Department of Transportation
Federal Aviation Administration

Warrenton Administrative Building
Warrenton, Virginia

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Issue For Bid
April 26, *2022*

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1100 N GLEBE RD.
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ARLINGTON, VA 22201

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LICENSED ARCHITECT
No. 18412
ALAN N. FLORA
STATE OF MARYLAND
03.11.2022

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

COVER SHEET

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS

ISSUED BY
ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763
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GENERAL NOTES

A. DIMENSION LINES SHOWN ON ARCHITECTURAL SHEETS ARE FROM COLUMN CENTER LINES AND FACE OF MASONRY, CONCRETE OR FINISHED FACE OF WALL, UNLESS OTHERWISE NOTED.

B. FIELD VERIFY EXISTING CONDITIONS & DIMENSIONS BEFORE DEMOLITION OF BUILDING SYSTEMS. COORDINATE DEMOLITION WITH THE WORK AND NOTIFY COR OF CONFLICTS. NO DEMOLITION WORK MUST PROCEED UNTIL CONFLICTS ARE RESOLVED TO SATISFACTION OF COR.

C. FINISHES & ASSOCIATED ADJACENT FINISHES AFFECTED BY THE WORK MUST BE PATCHED AND REPAIRED TO MATCH EXISTING ADJACENT FINISHES.

D. VERIFY DEMOLITION REQUIRED TO FACILITATE ROUTING OF MECHANICAL, ELECTRICAL AND FIRE PROTECTION SYSTEMS FOR DEMOLITION REQUIRED OUTSIDE OF AREA SHOWN ON ARCHITECTURAL DRAWINGS, REFER TO MECHANICAL, ELECTRICAL AND FIRE PROTECTION FOR ITEMS TO BE REMOVED.

E. CLEAN CONSTRUCTION AREAS DAILY. CONSTRUCTION DEBRIS & EQUIPMENT MUST NOT BE LEFT IN OCCUPIED AREAS.

F. MAINTAIN FIRE RATINGS OF FIRE RATED ASSEMBLIES IN FLOORS, WALLS, CEILINGS, ROOFS OR SMOKE BARRIERS PENETRATED BY DUCTS, ELECTRICAL CONDUITS, PIPES AND AND FIRE PROTECTION PENETRATIONS / OPENINGS CAUSED BY THE WORK OF THIS PROJECT WITH AN APPROVED U.L. SYSTEM. WHERE WORK IS REQUIRED ON BUILDINGS WHICH ARE PART OF THE FACILITY, COORDINATE WITH COR TO VERIFY EXISTING CONDITION OF BUILDING SYSTEMS (INCLUDING EXTERIOR WALLS, PARTITIONS, FLOORS, CEILINGS AND ROOFS) BEFORE ANY DEMOLITION OR CONSTRUCTION.

G. DO NOT SCALE DRAWINGS.

H. PROVIDE OPENINGS THROUGH EXISTING WALLS (GWB, MASONRY, AND CONCRETE) FOR PROVISION OF ARCHITECTURAL, MECHANICAL, ELECTRICAL & FIRE PROTECTION EQUIPMENT. COORDINATE SIZE & LOCATION WITH MECHANICAL, ELECTRICAL AND FIRE PROTECTION.

I. EXISTING BUILDING FLOOR PLANS AND SITE PLANS FOR THE EXISTING BUILDING CONSTRUCTION PRESENTED IN THIS DOCUMENT WERE OBTAINED FROM THE FAA. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY CONSTRUCTION WORK REQUIRED.

J. WORK SPECIFIED IN ROOMS/AREAS WITH BREAKLINES INCLUDES WORK FOR ENTIRE AREA, UNLESS OTHERWISE NOTED.

K. WORK IN CONFINED SPACES OR AREAS SHALL BE DONE IN ACCORDANCE WITH OSHA REQUIREMENTS, 29 CFR 1910.146 AND 1926.21(B)(6).

L. PRIOR TO CUTTING CONCRETE, USE MAGNETIC STEEL LOCATOR TO LOCATE ELECTRICAL CONDUITS EMBEDDED IN CONCRETE. AVOID CUTTING CONDUITS AS THEY MAY BE CRITICAL TO THE OPERATION OF THE FACILITY. CONCRETE WORK SHALL COMPLY WITH SILICA MANAGEMENT REQUIREMENTS.

M. DIMENSIONS (LAYOUTS, MOUNTING HEIGHTS, HEIGHTS ABOVE FINISH FLOOR, ETC.) AND CLEARANCES SHOWN ON THE DRAWINGS, IDENTIFIED IN SPECIFICATIONS, IDENTIFIED IN MANUFACTURERS' PRODUCT DATA, OR REFERENCED IN APPLICABLE ABA DOCUMENTS, CODES, AND CRITERIA FOR THE HANDICAPPED ACCESSIBILITY ARE TO BE HELD TRUE; PLUS OR MINUS

O. REFER TO OTHER DISCIPLINES FOR ADDITIONAL DEMOLITION REQUIRED. COORDINATE REMOVING EXISTING PARTITIONS AND ENCLOSURES TO ENABLE DEMOLITION OF CONCEALED SYSTEMS TO BE DEMOLISHED. PATCH AND REPAIR DAMAGED FINISHES, AND/OR FIRE RATED ASSEMBLIES TO MATCH EXISTING ADJACENT SURFACES.

LOCATION MAP

BUILDING CODE ANALYSIS

APPLICABLE CODES AND REGULATIONS

2018 INTERNATIONAL BUILDING CODE (IBC)

2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
NFPA 101 - LIFE SAFETY CODE, 2018 EDITION
ARCHITECTURAL BARRIERS ACT (ABA) STANDARDS (2015)
OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) INDUSTRY SAFETY & HEALTH STANDARDS (29 CFR 1910 AND 1926 - CURRENT ISSUE)
2018 INTERNATIONAL FIRE CODE
2018 INTERNATIONAL MECHANICAL CODE
NFPA 70 (NATIONAL ELECTRICAL CODE (NEC)), 2020 EDITION
NFPA 10, STANDARD FOR PORTABLE FIRE EXTINGUISHERS, 2018 EDITION
NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS, 2019 EDITION
NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE, 2019 EDITION
NFPA 90A, STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS, 2018 EDITION

CODE SUMMARY

IBC OCCUPANCY CLASSIFICATION: MIXED, NON-SEPARATED GROUP B/GROUP A-3 (W/ ACCESSORY GROUP S-2)
NFPA 101 OCCUPANCY CLASSIFICATION: MIXED, NON-SEPARATED BUSINESS/ASSEMBLY (W/ ACCESSORY STORAGE)
CONSTRUCTION TYPE: IBC, TYPE IIB
SPRINKLERED: YES
FIRE ALARM: YES, GENERAL EVACUATION
STORIES: 2 (ACTUAL) / 3 (MAXIMUM)
HEIGHT: 34 FT (ACTUAL) / 75 FT (MAXIMUM)
AREA: 21,855 SQFT (ACTUAL) / 28,500 (MAXIMUM)
NFPA 37, STANDARD FOR THE INSTALLATION AND USE OF STATIONARY COMBUSTION ENGINES AND GAS TURBINES
NFPA 110, STANDARD FOR EMERGENCY AND STANDBY POWER SYSTEMS
NFPA 780, STANDARD FOR THE INSTALLATION OF LIGHTING PROTECTION SYSTEMS

EGRESS REQUIREMENTS

MAX TRAVEL DISTANCE (BUSINESS): 300 FEET
MAX COMMON PATH OF TRAVEL (BUSINESS): 100 FEET
MAX DEAD END (BUSINESS): 50 FEET
MIN CLEAR WIDTH (CORRIDOR): 44 INCHES
MIN CLEAR WIDTH (EXIT DOOR): 34 INCHES
MAX TRAVEL DISTANCE (ASSEMBLY): 250 FEET
MAX COMMON PATH OF TRAVEL (ASSEMBLY): 75 FEET; 20 FEET SERVING >50 OCCUPANTS
MAX DEAD END (ASSEMBLY): 20 FEET
MIN CLEAR WIDTH (CORRIDOR): 44 INCHES
MIN CLEAR WIDTH (EXIT DOOR): 34 INCHES

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

LICENSED ARCHITECT No.15412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

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1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

INDEX OF DRAWINGS, GENERAL NOTES, LOCATION MAP & BUILDING CODE ANALYSIS

WARRENTON — DCCA ADM — VA

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WARRENTON, VA

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GENERAL ABBREVIATIONS

A	A	AMPERE, AIR, COMPRESSED AIR LINE
	AA	AIR COOLED
	AAV	AUTOMATIC AIR VENT
	AC	ALTERNATING CURRENT, ASPHALT CONCRETE, AIR COMPRESSOR
	ACC	AIR COOLED LIQUID CHILLER
	ACD	ADDRESSABLE CONTROL DEVICE
	ACF	ACCESS FLOOR SYSTEM
	ACM	ASBESTOS CONTAINING MATERIAL
	ACP	ACOUSTICAL CEILING PANEL
	ACT	ACCESS CONTROL TERMINAL, ACOUSTICAL CEILING TILE
	ACU	AIR CONDITIONING UNIT
	A/C	AIR CONDITIONING
	AD	AREA DRAIN, ACCESS DOOR
	ADJ	ADJACENT, ADJUSTABLE
	ADR	ACCESS DOOR
	ADTN	ADMINISTRATIVE DATA TRANSMISSION NETWORK
	AED	AUTOMATED EXTERNAL DEFIBRILLATOR
	AF	AMPERE FRAME, AIR FLOW SENSOR
	AFF	ABOVE FINISH FLOOR
	AFMS	AIR FLOW MEASURING STATION
	AH	AIR HANDLING UNIT
	AHU	AIR HANDLING UNIT
	AIC	AMPERES INTERRUPTING CAPACITY
	AID	ADDRESSABLE INTERFACE DEVICE
	AIF	AIR INTAKE FILTER
	AL	ALUMINUM
	ALT	ALTERNATE
	AM	AMP METER
	AMM	AMMETER
	ANN	ANNUNCIATOR
	AO	ANALOG OUTPUT
	AP	ANNUNCIATOR POINT
	APC	ACOUSTICAL PANEL CEILING
	APPROX	APPROXIMATELY
	ARCH	ARCHITECT(URAL)
	ARTCC	AIR ROUTE TRAFFIC CONTROL CENTER
	ARTS	AUTOMATED RADAR TERMINAL SYSTEM
	AS	AIR SEPARATOR
	ASSY	ASSEMBLY
	AT	AMPERE TRIP, AIR TRAFFIC
	ATB	AIR TERMINAL BOX
	ATS	AUTOMATIC TRANSFER SWITCH
	AUX	AUXILIARY
	AV	ACID VENT
	AVG	AVERAGE
	AWG	AMERICAN WIRE GUAGE
	AWP	ACOUSTICAL WALL PANEL
	AWR	AUTOMATION WING REHABILITATION
	&	AND
	@	AT
B	B	BOILER, BUILDING
	BAT CHR	BATTERY CHARGER
	BC	BARE COPPER
	BD	BOARD, BACK-DRAFT DAMPER, BLOWDOWN
	BEL	BELOW
	BF	BLIND FLANGE
	BFP	BACK FLOW PREVENTER
	BFV	BUTTERFLY VALVE
	BFW	BOILER FEED WATER
	BHP	BRAKE HORSE POWER
	BKR	BREAKER
	BLDG	BUILDING
	BLKG	BLOCKING
	BLO	BLOWER
	BLV	BALANCING VALVE
	BM	BENCH MARK, BEAM
	BOCA	BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL, INC
	BOD	BOTTOM OF DUCT, BASIS OF DESIGN
	BOP	BOTTOM OF PIPE
	BOT, BOTT	BOTTOM
	BPU	BREAKER PROGRAMMING UNIT
	BRG	BEARING
	BSMT	BASEMENT
	BTU	BRITISH THERMAL UNIT
	BTU/H	BRITISH THERMAL UNIT PER HOUR
	BV	BALL VALVE
	BWP	BACK WATER PREVENTER
	BWV	BACK WATER VALVE
C	C	CONDUIT
	CA	COMBUSTION AIR
	CAB	CABINET
	CB	CIRBUIT BREAKER
	CC	COOLING COIL
	CCMS	CENTRAL CONTROL AND MONITORING SYSTEM
	CD	CONTROL DAMPER, CEILING DIFFUSER, CONDENSATE DRAIN
	CENT	CENTRIFUGAL
	CFH	CUBIC FEET PER HOUR
	CFM	CUBIC FEET PER MINUTE
	CFT	CUBIC FOOT
	CG	CEILING GRILLE
	CH	CHILLER
	CI	CURB INLET, CAST IRON
	CIP	CAST IRON PIPE, CAST IN PLACE
	CIR	CIRCULATING
	CKT	CIRCUIT
	CL	CENTER LINE
	CLF	CURRENT LIMITING FUSE
	CLG	CEILING
	CLR	CLEAR
	CMP	CORRUGATED METAL PIPE
	CMU	CONCRETE MASONRY UNIT
	CO	CLEANOUT, CONDUIT ONLY
	COL	COLUMN
	COMB	COMBINATION, COMBINE, COMBUSTION AIR
	COMM	COMMUNICATIONS
	COMP	COMPRESSIBLE, COMPRESSED
	CONC	CONCRETE
	COND	CONDITION, CONDENSATE
	CONN	CONNECTION
	CONST	CONSTRUCTION
	CONT	CONTINUOUS, CONTINUATION
	CONTR	CONTRACTOR
	COORD	COORDINATE
	COR	CONTRACTING OFFICERS REPRESENTATIVE
	CP	CONTROL PANEL, CIRCULATING PUMP
	CPC	CRITICAL POWER CENTER
	CPDS	CRITICAL POWER DISTRIBUTION SYSTEM
	CPT	CARPET
	CPU	CENTRAL PROCESSING UNIT
	CR	CEILING REGISTER, CONTROL RELAY
	CRAC	COMPUTER ROOM AIR CONDITIONING UNIT
	CRAH	COMPUTER ROOM AIR HANDLING UNIT
	CRU	COMPUTER ROOM UNIT
	CS	CONTROL SWITCH
	CT	CABLE TRAY, COOLING TOWER
	CTR	CENTER, COOLING TOWER WATER RETURN
	CTS	COOLING TOWER WATER SUPPLY
	CU	CONDENSING UNIT
	CW	DOMESTIC COLD WATER
	CWR	CHILLER WATER RETURN
	CWS	CHILLER WATER SUPPLY
	CWV	COMBINATION WASTE AND VENT
	CU	CONDENSING UNIT
	CV	CONTROL VALVE, CONSTANT VOLUME TERMINAL
	CYD	CUBIC YARD
D	D	DRAIN, DELTA CONNECTION, DIFFUSER, DAMPER
	DB	DIRECT BURIAL, DRY BULB
	DBL	DOUBLE
	DC	DIRECT CURRENT
	DDCP	DIRECT DIGITAL CONTROL PANEL
	DEG	DEGREE(S)
	DET	DETAIL
	DGP	DATA GATHERING PANEL
	DI	DROP INLET, DAMPER POSITION INDICATOR, DIGITAL INPUT
	DIA	DIAMETER
	DIAG	DIAGONAL
	DISC	DISCONNECT
	DISP	DISPENSER
	DIST	DISTRIBUTION
	DL	DEAD LOAD
	DM	DEMAND METER
	DN	DOWN
	DO	DIGITAL OUTPUT
	DOM	DOMESTIC
	DP	DUSTPROOF PARTITION, DIFFERENTIAL PRESSURE SWITCH
	DPDT	DOUBLE POLE DOUBLE THROW
	DPNL	DISTRIBUTION PANEL
	DPST	DOUBLE POLE SINGLE THROW
	DR	DOOR
	DWG(S)	DRAWING(S)
E	EA	EACH, EXHAUST AIR
	EAT	ENTERING AIR TEMPERATURE
	ECP	ENGINE CONTROL PANEL
	EDAM	ELECTRICAL DATA ACQUISITION AND MONITORING
	EF	EXHAUST FAN
	EFF	EFFICIENCY
	EG	ENGINE GENERATOR, EXHAUST GRILLE
	EH	ELECTRIC HEATER
	EHC	ELECTRIC HEATING COIL
	EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
	EL, ELEV	ELEVATION, ELEVATOR
	ELEC	ELECTRIC(AL)
	EMD	ESTIMATED MAXIMUM DEMAND
	EMERG	EMERGENCY
	EMT	ELECTRICAL METAL TUBING
	ENT, ENTR	ENTRANCE
	EP	EXHAUST PIPE
	EPMS	ELECTRICAL POWER MONITORING SYSTEM
	EPX	EPOXY
	EQ	EQUAL
	EQUIP	EQUIPMENT
	ER	EXHAUST REGISTER
	ERMS	ENVIRONMENTAL REMOTE MONITORING SYSTEM
	ES	EXHAUST SILENCER
	ET	ELECTRIC HEAT TRACE
	EWC	ELECTRIC WATER COOLER
	EWH	ELECTRIC WATER HEATER
	EXH	EXHAUST
	EXIST, EX	EXISTING
	EXP	EXPOSED
	EXPN	EXPANSION
	EXT	EXTERIOR
F	F	FILTER, FIRE LINE
	FA	FAN COOLED
	FAA	FEDERAL AVIATION ADMINISTRATION
	FC	FAN COIL UNIT
	FCO	FLOOR CLEANOUT
	FCV	FLOW CONTROL VALVE
	FD	FIRE DAMPER OR FLOOR DRAIN
	FD/SD	COMBINATION FIRE AND SMOKE DAMPER
	FDR	FEEDER
	FE	FIRE EXTINGUISHER
	FEC	FIRE EXTINGUISHER CABINET
	FEPC	FRONT END PERSONAL COMPUTER
	FFE	FINISHED FLOOR ELEVATION
	FHC	FIRE HOSE CABINET
	FI	FLANGE INSULATION, FLOW INDICATOR
	FIN	FINISH
	FIX, FIXT	FIXTURE
	FL, FLR	FLOOR
	FLA	FULL LOAD AMPERES
	FLEX	FLEXIBLE DUCT
	FLG	FLANGE
	FLUOR	FLUORESCENT
	FM	FLOW METER, FIRE MAIN
	FO	FIBER OPTIC
	FOL	FUEL OIL LEVEL
	FOR	FUEL OIL RETURN
	FOS	FUEL OIL SUPPLY
	FOT	FIBER OPTIC TERMINAL
	FOV	FUEL OIL VENT
	FPM	FEET PER MINUTE
	FPU	FIELD PROGRAMMING UNIT
	FRP	FIBER GLASS REINFORCED PLASTIC
	FS	FLOW SWITCH
	FT, '	FEET
	FTR	FINNED TUBE RADIATION
	FV	FULL VOLTAGE
	FZ	FREEZESTAT
G	G	GAS
	GA	GAGE, GAUGE
	GALV	GALVANIZED
	GEN	GENERATOR
	GFE	GOVERNMENT FURNISHED EQUIPMENT
	GFM	GOVERNMENT FURNISHED MATERIAL
	GL	GLASS
	GND	GROUND, GROUND CONNECTOR
	GPH	GALLONS PER HOUR
	GPM	GALLONS PER MINUTE
	GR	GRILLE
	GRV	GRAVITY VENT
	GS	GAS SENSOR
	GV	GATE VALVE
	GW	GLYCOL WASTE
	GWB	GPYSUM WALLBOARD
	GWH	GAS WATER HEATER
H	H	HUMIDISTAT
	HAZMAT	HAZARDOUS MATERIALS
	HB	HOSE BIBB
	HC	HEATING COIL
	HCS	HOST COMPUTER ROOM
	HDW	HARDWARE
	HE	HEAT EXCHANGER
	HERM	HERMETIC
	HM	HOLLOW METAL
	HORIZ	HORIZONTAL
	HP	HORSE POWER, HEAT PUMP, HIGH PRESSURE
	HPL	HIGH PRESSURE LAMINATE
	HPS	HIGH PRESSURE SODIUM, HIGH PRESSURE STEAM
	HPT	HIGH POINT
	HR	HOUR
	HS	HIGH STRENGTH, HUMIDITY SENSOR
	HT	HEIGHT
	HTG	HEATING
	HTP	HOT TAP (W/ STOPPLE FITTING)
	HTR	HEATER
	HU	HUMIDIFIER
	HVAC	HEATING/VENTILATING/AIR CONDITIONING
	HW	DOMESTIC HOT WATER
	HWL	HIGH WATER LEVEL
	HWR	HOT WATER RETURN
	HWS	HOT WATER SUPPLY
	HZ	HERTZ
	HWY	HIGHWAY
I	IBC	INTERNATIONAL BUILDING CODE
	ID	INSIDE DIAMETER
	IEWH	INSTANTANEOUS ELECTRIC WATER HEATER
	IF	INSIDE FACE, INTERNAL FILTER
	IN, "	INCH
	INST	INSTRUMENTATION
	INSUL	INSULATION
	INT	INTERIOR
	INT'L	INTERNATIONAL
	INV	INVERT
	ITEA	INFORMATION TECHNOLOGY EQUIPMENT AREA
	ITER	INFORMATION TECHNOLOGY EQUIPMENT ROOM
J	J	JUNCTION
	JB	JUNCTION BOX
	JC	JANITOR'S CLOSET
K	KCMIL	THOUSAND CIRCULAR MILS
	KVA	KILOVOLT AMPERE
	KW	KILOWATTS
L	LAN	LOCAL AREA NETWORK
	LBS, #	POUNDS
	LCC	LEAD CONTAINING COATING
	LCP	LOCAL CONTROL PANEL
	LCV	LEVEL CONTROL VALVE
	LF	LINEAR FEET
	LG	LEVEL GAUGE
	LL	LIVE LOAD
	LLH	LONG LEG HORIZONTAL
	LLV	LONG LEG VERTICAL
	LONG	LONGITUDINAL
	LP	LOW POINT
	LPS	LOW PRESSURE STEAM
	LS	LEVEL SWITCH
	LT	LIGHT
	LTG	LIGHTING
M	M	MOTOR
	MAS	MASONRY
	MAT	MATERIAL
	MAX	MAXIMUM
	MCC	MOTOR CONTROL CENTER
	MECH	MECHANICAL
	MET	METAL
	MFG(R)	MANUFACTURER
	MG	MOTOR GENERATOR
	MIL	MILLIMETER
	MIN	MINIMUM
	MO	MASONRY OPENING
	MOD	MODIFICATION
	MS	MOISTURE SENSOR
	MTG	MOUNTING, MOUNTED
N	N/A	NOT APPLICABLE
	NAM	NEGATIVE AIR MACHINE
	NARACS	NATIONAL RADIO COMMUNICATIONS SYSTEM
	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
	NIC	NOT IN CONTRACT
	NO, #	NUMBER
	NOM	NOMINAL
	NPT	NATIONAL PIPE THREAD
	NTS	NOT TO SCALE
O	OA	OUTSIDE AIR
	OC	ON CENTER
	OD	OUTSIDE DIAMETER, OPEN DRAIN
	OF	OUTSIDE FACE
	OFD	OVERFLOW ROOF DRAIN
	OFOI	OWNER FURNISHED OWNER INSTALLED
	OH	OPPOSITE HAND
	OPNG	OPENING
	OPP	OPPOSITE
	OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
	OSW	OPERATIONS SUPPORT WING
P	P	PUMP, PHASE, POLE
	PACM	PRESSUMED ASBESTOS CONTAINING MATERIAL
	PBX	PRIVATE BRANCH EXCHANGE
	PC	PRESSURE CONTROL SWITCH
	PCB	POLYCHLORINATED BIPHENYLS
	PCF	POUNDS PER CUBIC FOOT
	PD	PRESSURE DIFFERENTIAL
	PDI	PRESSURE DIFFERENTIAL INDICATOR
	PDS	PRESSURE DIFFERENTIAL SENSOR
	PH	PHASE
	PHC	PREHEAT COIL
	PI	POINT OF INTERSECTION, PRESSURE INDICATOR
	PIV	POST INDICATOR VALVE
	PL	PROPERTY LINE, PLATE
	PLAM	PLASTIC LAMINATE
	PLF	POUNDS PER LINEAR FOOT
	PNL	PANEL
	POC	POINT OF CONNECTION
	PRV	PRESSURE REDUCING VALVE
	PS	PRESSURE SENSOR
	PSF	POUNDS PER SQUARE FOOT
	PSI	POUNDS PER SQUARE INCH
	PSM	POWER SYSTEMS MODIFICATION
	PT	PAINT, POINT OF TANGENCY
	PTVC	POINT OF VERTICAL CURVATURE
	PVC	POLYVINYL CHLORIDE
	PVDS	PORTABLE VISUAL DISPLAY SYSTEM
	PVI	POINT OF VERTICAL INTERSECTION
	PVMT	PAVEMENT
	PVT	POINT OF VERTICAL TANGENCY
R	R	RISER, RADIUS
	RA	RETURN AIR
	RAD	RADIUS
	RCP	REFLECTED CEILING PLAN
	RCRA	RESOURCE CONSERVATION AND RECOVERY ACT
	RD	ROOF DRAIN
	RECEPT, RPTS	RECEPTACLE
	REF	REFERENCE
	REG	REGISTER
	REINF	REINFORCING
	REQ'D	REQUIRED
	REV	REVERSE, REVISION
	RF	RETURN FAN
	RGS	RIGID GALVANIZED STEEL
	RHC	REHEAT COIL
	RM	ROOM
	RO	ROUGH OPENING
	RV	REFRIGERANT VENT
S	S	SMOKE DETECTOR
	SA	SUPPLY AIR
	SAN	SANITARY
	SAP	SOUND ABSORBING PANEL
	SCH, SCHED	SCHEDULE
	SCWD	SOLID CORE WOOD
	SD	SMOKE DAMPER
	SEC	SECTION
	SF	SUPPLY FAN, SQUARE FEET
	SHT	SHEET
	SIG	SIGNAL
	SIM	SIMILAR
	SM	SPRINKLER MAIN
	SP	SUMP PUMP/SEWAGE PUMP, STATIC PRESSURE INDICATOR
	SPEC	SPECIFICATIONS
	SQ	SQUARE
	SRF	SAFETY RUBBER FLOOR TILE
	SRGG	SIGNAL REFERENCE GROUND GRID
	SRS	SIGNAL REFERENCE STRUCTURE
	SSDI	SECURITY SYSTEMS DESIGN AND INTEGRATION
	SSTL, SS	STAINLESS STEEL
	ST	STEAM, STREET
	STA	STATION
	STC	SOUND TRANSMISSION CLASS
	STD	STANDARD
	STE	STANDARD TAPERED END
	STGP	SIGNAL TRANSPORT GROUND PLANE
	STL	STEEL
	STOR	STORAGE
	STRUC	STRUCTURAL, STRUCTURE
	SUCT	SUCTION
	SUSP	SUSPENDED
	SW	SWITCH
	SYM	SYMMETRICAL
T	T	THERMOSTAT, TREAD
	TBD	TO BE DETERMINED
	T&B	TOP AND BOTTOM
	T&G	TONGUE AND GROOVE
	TC	TEMPERATURE CONTROL SWITCH
	TELCO	TELECOMMUNICATION, TELEPHONE COMPANY LINE
	TEMP	TEMPERATURE
	TI	TEMPERATURE INDICATOR
	TIC	TEMPERATURE INDICATING CONTROLLER
	TK	TANK
	TM&O	TELECOMMUNICATIONS MANAGEMENT AND OPERATIONS
	TOC	TOP OF CONCRETE
	TOS	TOP OF STEEL
	TOW	TOP OF WALL
	TRACON	TERMINAL RADAR APPROACH CONTROL FACILITY
	TRANS	TRANSVERSE
	TS	TEMPERATURE SENSOR, TAMPER SWITCH
	TYP	TYPICAL
U	UBC	UNIFORM BUILDING CODE
	UH	UNIT HEATER
	UL	UNDERWRITER'S LABORATORIES, INC.
	UNO	UNLESS NOTED OTHERWISE
	UON	UNLESS OTHERWISE NOTED
	UPS	UNINTERRUPTIBLE POWER SYSTEM
	UTIL	UTILITY
	UV	UNIT VENTILATOR
V	V	VOLT
	VAT	VINYL ASBESTOS TILE
	VAV	VARIABLE VOLUME TERMINAL
	VB	VINYL BASE
	VBT	VINYL BASE & TRIM COMPONENTS
	VC	VERTICAL CURVE
	VCT	VINYL COMPOSITION TILE
	VD	VOLUME DAMPER
	VERT	VERTICAL
	VF	VERTICAL FEET, VENTILATION FAN
	VFD	VARIABLE FREQUENCY DRIVE
	VGWB	VINYL SURFACED GYPSUM WALL BOARD
	VIF	VERIFY IN FIELD
	VP	VELOCITY PRESSURE, VACUUM PRODUCER
	VS	VIBRATION SWITCH
W	W	WATT
	W/	WITH
	WD	WOOD
	WG	WATER GAGE
	WJHTC	WILLIAM J. HUGHES TECHNICAL CENTER
	W/O	WITHOUT
	WP	WEATHERPROOF
	WT	WEIGHT
X	XFER, XFR	TRANSFER
	XFMR	TRANSFORMER
Y	Y	WYE CONNECTION
	YD	YARD

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

GENERAL ABBREVIATIONS

WARRENTON — DCCA ADM — VA

Jacobs

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY A. FLORA
DRAWN BY A. FLORA
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - G003 REV.

PLOT DATE/TIME: 3/9/2022 1:03:46 PM

GENERAL LEGEND

REFERENCE

COLUMN LINE GRID DESIGNATION — 0

CENTER LINES

MATCH LINE SYMBOL

BREAK LINES

ELEVATION SYMBOL — Name, Elevation

DRAWING/DETAIL TITLE

DETAIL NUMBER — A8 / AXXX — View Name — 1/8" = 1'-0"

SHEET ON WHICH DETAIL IS DRAWN OR SCHEDULED

DETAIL TITLE REFERENCE

DETAIL DESIGNATION — A1 / A001

SHEET ON WHICH DETAIL IS DRAWN

SECTION CUT — DETAIL DESIGNATION — A1 / A001 — SHEET ON WHICH DETAIL IS DRAWN

SECTION DETAIL - CEILING — XX / AXXX

ELEVATION REFERENCE — A7, A8, A701, A6, A5 — DETAIL DESIGNATION — E1 / A001 — SHEET ON WHICH DETAIL IS DRAWN

PLAN NORTH/PROJECT NORTH — MAGNETIC NORTH, N, PROJECT NORTH — KEY NORTH

ROOM/AREA NUMBER — **Room Name** **BLS202**

DEMOLITION

REVISION — CLOUD TO ENCOMPASS REVISED AREA

REVISION DESIGNATION — 1 RFI-0000

SHEET NOTE NUMBER — 1

DEMOLITION NOTE — 1

HAZMAT NOTE, ASBESTOS REFERTO HAZMAT DWGS FOR SPECIFIC INFORMATION. — ABATE ACM 1,2,3 — MANAGE ACM IN PLACE 1,2,3

HAZMAT NOTE, LEAD PAINT REFERTO HAZMAT DWGS FOR SPECIFIC INFORMATION. — 11

GRAPHIC SCALE — 8 6 4 2 0 8 16 — SCALE: 1/8"=1'-0"

ARCHITECTURAL/STRUCTURAL LEGEND

MATERIALS

EARTH, ETC — EARTH, GRAVEL, SAND

CONCRETE, ETC — CONCRETE, TER, ASPH

METALS — STEEL, ALUMINUM, OTHER

MASONRY — CMU, BRICK, TILE

WOOD — FINISH EL, BLKG, STUD PARTITION, PLYWOOD

GYPSUM — GYPSUM

GLASS — LARGE SCALE, SMALL SCALE, ELEVATION

INSULATION — BATT OR LOOSE, RIGID

SYMBOLS

CONTRACTOR'S ACCESS ROUTE

VEHICULAR TRAFFIC DIRECTION

WALL — EXISTING, NEW WORK

DEMOLITION WALL

SUSPENDED CEILING SYSTEM — 2 X 2 ACP, 2 X 4 ACP, 4 X 4 ACP

GWB OR SEAMLESS ACOUSTICAL CEILING — BAFFLE PANEL CEILING

RECESSED LIGHT FIXTURES — LIGHT FIXTURES — REFER TO ELECTRICAL DRAWINGS FOR SYMBOLS

SUPPLY AIR CEILING DIFFUSER — RETURN AIR CEILING REGISTER — TRANSFER AIR GRILLE — REFER TO MECHANICAL DRAWINGS FOR SYMBOLS

LAVATORY

URINAL

WATER CLOSET

ELECTRIC WATER COOLER

SYMBOLS

TEMPORARY DUSTPROOF PARTITION WITH DOOR — DP, DP

TEMPORARY INTERIOR WALL WITH DOOR

DOOR NUMBER — 100

GLAZING PARTITION TYPE — WW

LOUVER NUMBER — ?

WALL TYPE NUMBER — FIRE RESISTANCE RATING — PARTITION TYPE DESIGNATION

ELECTRICAL PANEL

SUPPLY AIR DUCT

EMERGENCY SHOWER AND EYEWASH

FLOOR DRAIN — FD, FD

FLOOR SINK — FS

FLOOR HATCH

ROOF HATCH — RH

LADDER

SUMP

LOCKERS

FIRE EXTINGUISHER CABINET — SURFACE MOUNTED, SEMI-RECESSED

ACOUSTICAL BAFFLES

FOR OFFICIAL USE ONLY

PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

LICENSED ARCHITECT No.15412 ALAN N. FLORA STATE OF MARYLAND 03.11.2022

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
	01/21/2022	95% SUBMISSION			

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

GENERAL, ARCHITECTURAL, STRUCTURAL - LEGENDS

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY A. FLORA
CHECKED BY W. STEVENS

ISSUED BY: ENGINEERING SERVICES TERMINAL

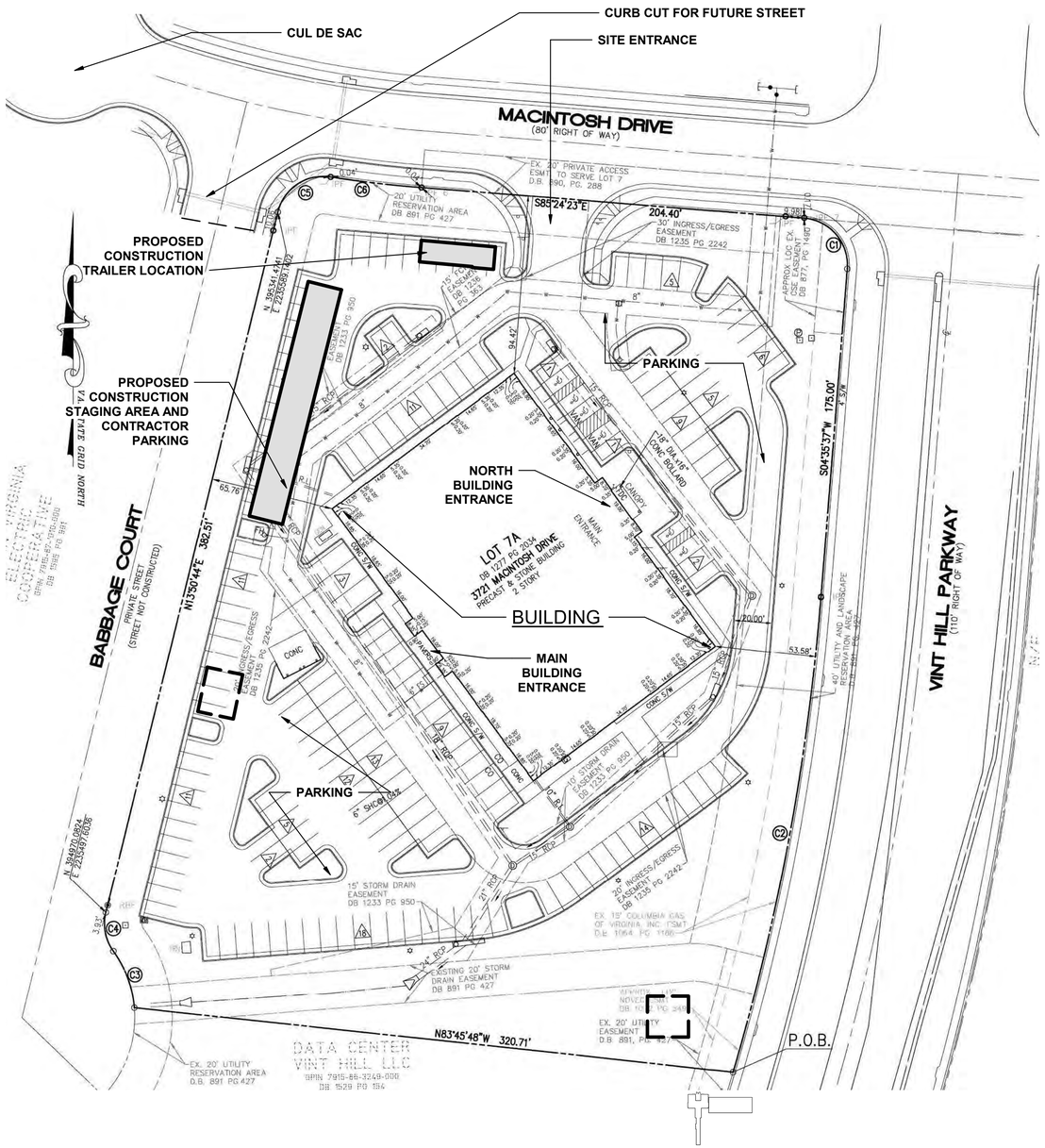
DATE 03/11/2022 JCN: 21001763

DRAWING NO. DCCA - D - ADM - G004 REV.

DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 3/9/2022 1:03:51 PM

GENERAL CONSTRUCTION STAGING NOTES



NOTE:
FINAL CONSTRUCTION STAGING AREA SHALL BE DETERMINED AT PRECONSTRUCTION MEETING.

A8 / G005 CONSTRUCTION STAGING PLAN
Not to Scale

THE FOLLOWING NOTES AND ACCOMPANYING "CONSTRUCTION STAGING PLAN" GRAPHICALLY REPRESENT MANY OF THE MAJOR REQUIREMENTS STATED IN "DIVISION 1 GENERAL REQUIREMENTS" OF THE SPECIFICATIONS. THESE NOTES PARAPHRASE DIVISION 1 REQUIREMENTS AND ARE NOT INTENDED TO MODIFY OR REPLACE DIVISION 1 REQUIREMENTS.

CONSTRUCTION ACCESS, PARKING, OFFICES AND EXTENT/SIZE OF CONSTRUCTION STAGING AREA MUST BE COORDINATED WITH SITE PERSONNEL VIA COR. REFER A8/G005 FOR LOCATION OF PROPOSED CONSTRUCTION STAGING AREA AND PROPOSED CONSTRUCTION TRAILER LOCATION. LOCATION OF FINAL CONSTRUCTION STAGING AREA AND CONSTRUCTION TRAILER LOCATION TO BE DETERMINED AT PRECONSTRUCTION CONFERENCE.

A. CONSTRUCTION ACCESS

1. **CONTRACTOR SITE ACCESS IS DIRECTLY ONTO THE SITE FROM ADJACENT STREETS.**
2. **CONTRACTOR'S ACCESS TO BUILDING FOR THE WORK SHALL BE THROUGH MAIN ENTRANCES OF THE BUILDING. IF NECESSARY TO PROVIDE BETTER ACCESS TO SECOND FLOOR FOR CONSTRUCTION MATERIALS, ONE WINDOW ON SECOND FLOOR CAN BE REMOVED IF REINSTALLED AFTER THE WORK IS DONE.**

B. CONTRACTOR PARKING

1. **CONTRACTOR'S PARKING IS ALLOWED OVER THE ENTIRE SITE BEYOND CONSTRUCTION STAGING AREAS .**

C. FAA SECURITY REQUIREMENTS

1. **SINCE THIS IS A FREESTANDING SITE AND OPEN SITE, THE CONTRACTOR WILL HAVE CONTROL OVER THE ACCESS TO SITE AND TO THE BUILDING DURING CONSTRUCTION. NO SPECIFIC FAA SECURITY REQUIREMENTS ARE APPLICABLE TO THE CONSTRUCTION SITE OR TO THE BUILDING.**
2. **CONTRACTOR PERSONNEL ARE NOT REQUIRED TO MEET ANY SPECIAL FAA SECURITY REQUIREMENTS.**

D. CONSTRUCTION MATERIAL STORAGE

1. **STORAGE OF CONSTRUCTION MATERIALS ON SITE MUST BE LIMITED TO THE CONSTRUCTION STAGING AREA. MATERIALS MUST BE NEATLY STORED AND PROTECTED. LIGHTING MUST BE INSTALLED BY THE CONTRACTOR IF CONTRACTOR REQUIRES. CONTRACTOR SHALL DO NO DIGGING WITHOUT PRIOR PERMISSION FROM COR. BURIED CABLES (UNDERGROUND UTILITIES) MAY RUN THROUGH STAGING AREA AND ELSEWHERE.**
2. **THE CONSTRUCTION STAGING AREA MUST BE SURROUNDED BY A LOCKABLE FENCE. CONSTRUCTION OF THE FENCE SHALL BE TO THE SATISFACTION OF THE COR. PROVIDE COR AND SECURITY WITH KEYS TO FENCE. COORDINATE NUMBER OF KEYS WITH COR.**

E. CONSTRUCTION DEBRIS

1. **ENCLOSED DUMPSTERS FOR DISPOSAL OF CONSTRUCTION DEBRIS MUST BE PROVIDED BY CONTRACTOR WITHIN THE CONSTRUCTION STAGING AREA. AREAS AROUND DUMPSTERS MUST BE KEPT CLEAN AND FREE OF EXCESS DEBRIS AND DUST DURING CONSTRUCTION. DEBRIS MUST BE REMOVED BY CONTRACTOR DAILY. QUANTITY AND POSITION OF DUMPSTERS MUST BE COORDINATED WITH THE COR PRIOR TO THEIR DELIVERY AND PLACEMENT.**

F. CONSTRUCTION OFFICE

1. **CONSTRUCTION TRAILERS FOR OFFICE, MATERIALS AND EQUIPMENT STORAGE MUST BE LOCATED IN PROPOSED CONSTRUCTION TRAILER LOCATION. TRAILER POINT OF CONNECTION MUST BE DETERMINED AT PRECONSTRUCTION CONFERENCE. HOOK-UPS MUST BE THE RESPONSIBILITY OF CONTRACTOR.**

G. CONSTRUCTION TOILET FACILITIES (REVIEW FURTHER WITH FAA)

1. **PORTABLE CHEMICAL TOILETS MUST BE PROVIDED WITHIN THE CONSTRUCTION STAGING AREA. COORDINATE WITH THE COR FOR SCHEDULING OF SERVICE.**
2. **PROVIDE WASH STATIONS IN ADDITION TO PORTABLE TOILETS IN CONSTRUCTION STAGING AREA.**
3. **TOILET ROOMS IN THE BUILDING PRIOR TO DEMOLITION MAY BE USED BY CONTRACTOR, HOWEVER NEWLY INSTALLED TOILETS MUST NOT BE USED BY THE CONTRACTOR.**

I. PARKING LOT, DRIVEWAY REPAIR, AND LANDSCAPED AREAS

1. **CONTRACTOR MUST ENSURE THAT PARKING LOT REPAIRS ARE NOT DAMAGED OR AFFECTED BY ANY WORK BEING FORMED IN THE BUILIDNG AND ON SITE AFTER SUCH REPAIRS ARE COMPLETED.**
2. **DISTURBED LAWNS AND LANDSCAPING MUST BE RESTORED TO ORIGINAL CONDITION BY CONTRACTOR TO THE SATISFACTION OF COR. LAWN DAMAGED BY THE WORK MUST BE REPLACED TO MATCH EXISTING AND TO SATISFACTION OF COR. REFER TO CIVIL FOR ADDITIONAL INFORMATION.**

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LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

CONSTRUCTION STAGING PLAN

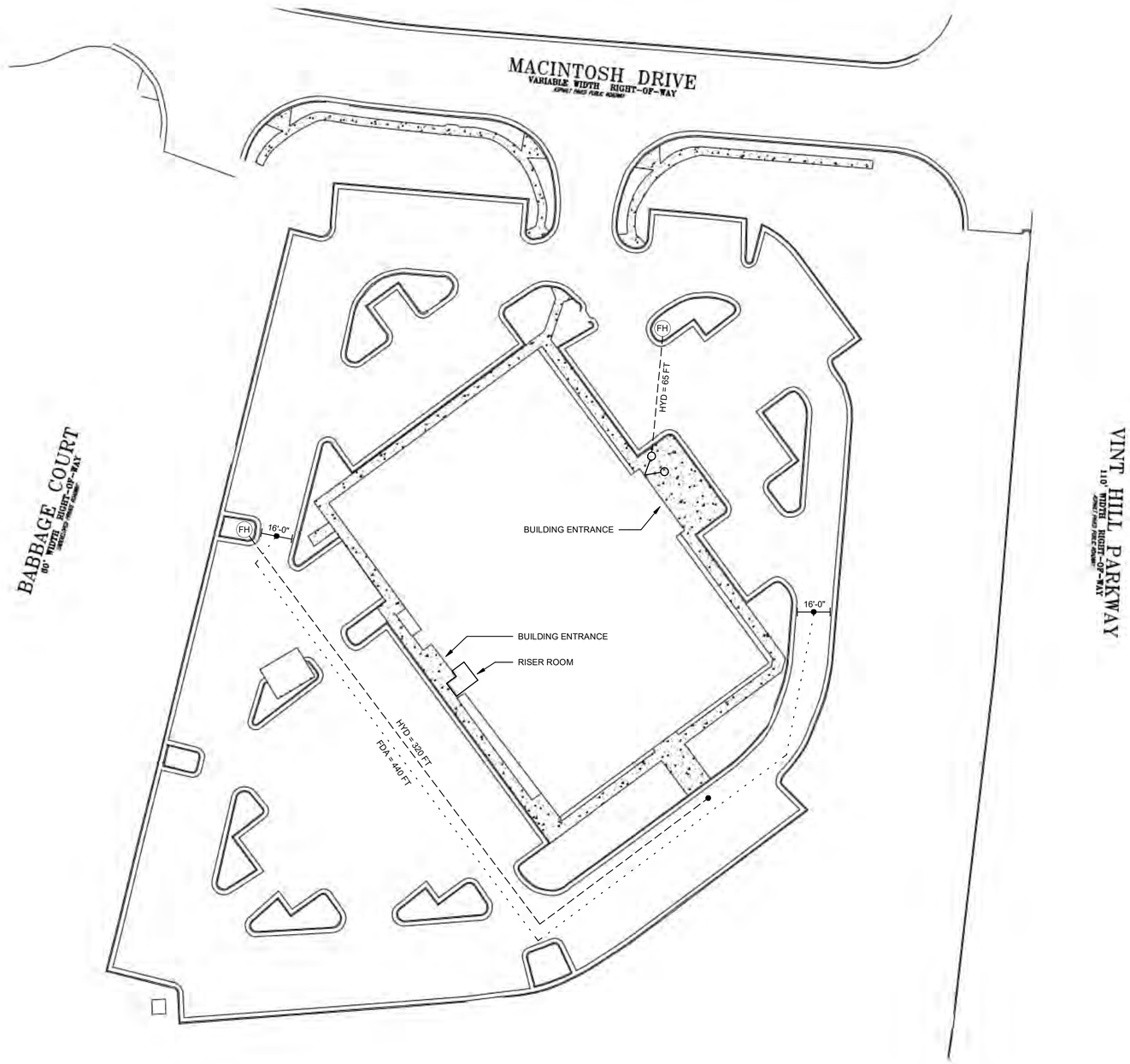
WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY	A. FLORA	ISSUED BY: ENGINEERING SERVICES TERMINAL	DATE 03/11/2022 — JCN: 21001763
DRAWN BY	A. FLORA		DRAWING NO. DCCA - D - ADM - G005 — REV.
CHECKED BY	W. STEVENS		

PLOT DATE/TIME: 3/9/2022 2:32:11 PM



B8 G100 **SITE PLAN**
1" = 30'-0"

SITE PLAN SYMBOLS:

- HYD = #FT — TRAVEL DISTANCE TO FIRE HYDRANT (MAX: 400 FT)
- FDA = #FT — TRAVEL DISTANCE FOR FIRE DEPARTMENT ACCESS (MAX: 450 FT)
- FH — EXISTING FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION

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STATE OF MARYLAND — JACOB T WATKINS — 44038 — PROFESSIONAL ENGINEER — 03/11/22

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

CODE COMPLIANCE SITE PLAN

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY J. WATKINS
DRAWN BY J. WATKINS
CHECKED BY J. BEALS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - G100 REV.

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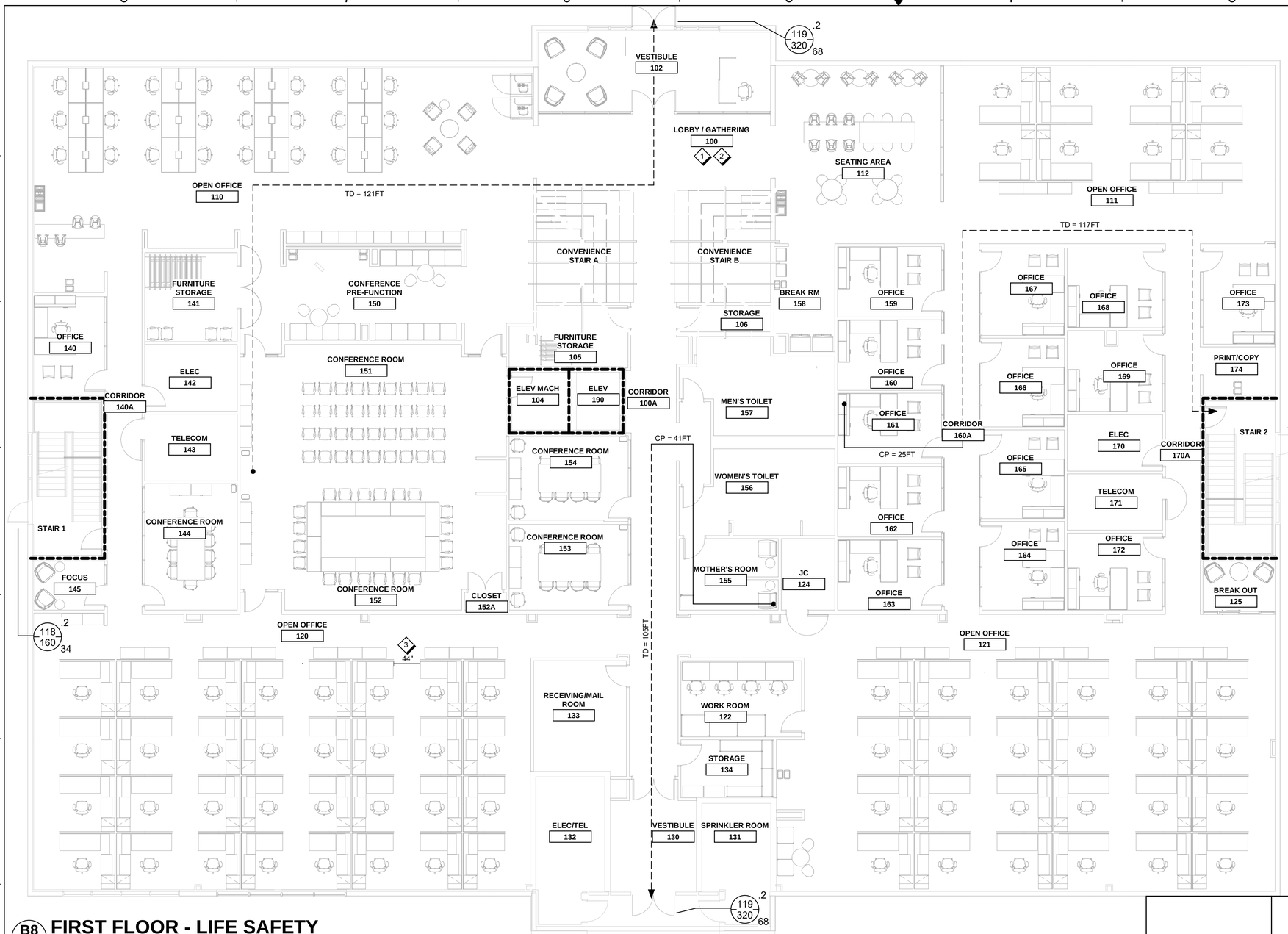

B8 G101 FIRST FLOOR - LIFE SAFETY

1/8" = 1'-0"

LIFE SAFETY NOTES

1. CONVENIENCE STAIR TO BE PROTECTED PER NFPA 101, SECTION 8.6.9.2 CRITERIA.
2. BENCH SEATING IN LOBBY ASSUMES 1 PERSON PER 18 LINEAR INCHES FOR OCCUPANCY LOAD CALCULATION.
3. MINIMUM CLEAR WIDTH TO BE MAINTAINED BETWEEN ALL WORK STATION AISLES (TYPICAL).

LIFE SAFETY SYMBOLS:

OCCUPANT LOAD:

- TD = #FT — TRAVEL DISTANCE (MAX: 300 FT)
- CP = #FT — COMMON PATH OF TRAVEL (MAX: 100 FT)
- 1 HOUR FIRE RATED ASSEMBLY

EXIT CAPACITY:

W = EXIT CAPACITY FACTOR (IN/PERSON)
X = OCCUPANTS USING EXIT (PERSONS)
Y = EXIT CAPACITY (PERSONS)
Z = EXIT CLEAR WIDTH (IN)

OCCUPANT LOAD TABLE

#	ROOM NAME	AREA (SQ. FT)	OCCUPANCY	LOAD FACTOR (SQ. FT/OCC)	OCC. LOAD
-	CONV. STAIRS	1548"	BENCH SEATS	1 PERSON/18"	86
100	LOBBY	547	BUSINESS	15	37
112	SEATING AREA	612	BUSINESS	15	41
122	WORK ROOM	190	BUSINESS	50	4
144	CONFERENCE	245	BUSINESS	15	17
150	CONF. PRE-FUN.	549	BUSINESS	15	37
151	CONFERENCE	703	ASSEMBLY	15	47
152	CONFERENCE	694	ASSEMBLY	15	47
153	CONFERENCE	212	BUSINESS	15	15
154	CONFERENCE	212	BUSINESS	15	15
158	BREAK ROOM	124	BUSINESS	15	9
-	REM. GROSS	17,767	BUSINESS	150	119
	TOTAL				474

8 0 8 16
Scale: 1/8 INCH = 1 FOOT

N
KEY NORTH

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STATE OF MARYLAND JACOB I WATKINS 44038 PROFESSIONAL ENGINEER 04/13/22

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR LIFE SAFETY PLAN

WARRENTON DCCA ADM VA

Jacobs

DCCA ADM
WARRENTON, VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE
	DESIGNED BY J. WATKINS	DATE 03/11/2022 JCN: 21001763
	DRAWN BY J. WATKINS	ISSUED BY ENGINEERING SERVICES TERMINAL
	CHECKED BY J. BEALS	DRAWING NO. DCCA - D - ADM - G101 REV.

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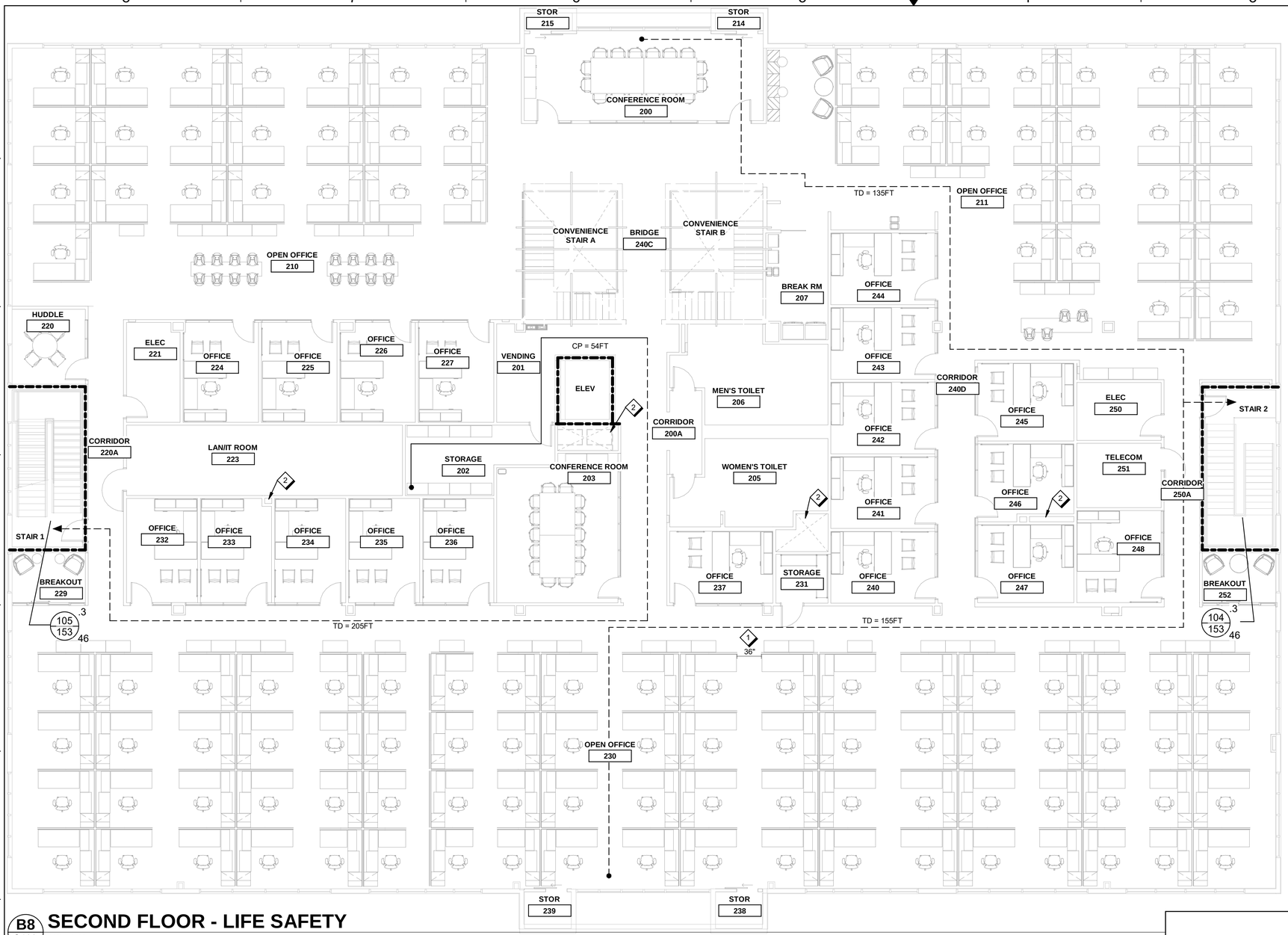

B8 / G102 SECOND FLOOR - LIFE SAFETY

1/8" = 1'-0"

LIFE SAFETY NOTES

1. MINIMUM CLEAR WIDTH TO BE MAINTAINED BETWEEN ALL WORK STATION AISLES (TYPICAL).
2. NON-RATED FLOOR SLAB OPENING FOR PENETRATIONS OF DUCTS AND PIPING TO BE SEALED TO RESIST THE PASSAGE OF SMOKE AND FIRE IN ACCORDANCE WITH IBC SECTIONS 714.6.2 AND 717.6.3

LIFE SAFETY SYMBOLS:

OCCUPANT LOAD:

- TD = #FT — TRAVEL DISTANCE (MAX: 300 FT)
- CP = #FT — COMMON PATH OF TRAVEL (MAX: 100 FT)
- 1 HOUR FIRE RATED ASSEMBLY

EXIT CAPACITY:

W / X / Y / Z

W = EXIT CAPACITY FACTOR (IN/PERSON)
X = OCCUPANTS USING EXIT (PERSONS)
Y = EXIT CAPACITY (PERSONS)
Z = EXIT CLEAR WIDTH (IN)

OCCUPANT LOAD TABLE

#	ROOM NAME	AREA (SQ. FT)	OCCUPANCY	LOAD FACTOR (SQ. FT/OCC)	OCC. LOAD
200	CONFERENCE	423	BUSINESS	15	29
203	CONFERENCE	349	BUSINESS	15	24
207	BREAK ROOM	127	BUSINESS	15	9
220	HUDDLE	110	BUSINESS	15	8
-	REM. GROSS	20,846	BUSINESS	150	139
	TOTAL				209

8 0 8 16
Scale: 1/8 INCH = 1 FOOT

N
KEY NORTH

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR LIFE SAFETY PLAN

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY J. WATKINS
DRAWN BY J. WATKINS
CHECKED BY J. BEALS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - G102
REV.

PLOT DATE/TIME: 3/9/2022 4:00:18 PM

SURVEY NOTES

1. PROPERTY IS THE LANDS OF BLUE ROCK I LLC AS RECORDED IN DEED BOOK 1536 AT PAGE 1346 AND HAVING A GPIN OF 7915-86-6894

2. AREA: 136,108 S.F. OR 3.1246 AC

3. LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. ALL LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE AS BUILT PLANS AND UTILITY MARK OUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES.

4. THIS PLAN IS BASED UPON INFORMATION PROVIDED BY A FIELD SURVEY PREPARED BY GRS GROUP, LLC AUGUST 31, 2021 TO SEPTEMBER 1, 2021 AND OTHER REFERENCE MATERIALS LISTED BELOW.

5. THE HORIZONTAL DATUM IS VIRGINIA COORDINATE SYSTEM 83 (2011) (NORTH ZONE) BASED UPON GPS OBSERVATIONS. THE VERTICAL DATUM IS BASED UPON GPS OBSERVATIONS (GEOID 12B) NAVD 88.

6. BY GRAPHIC PLOTTING THE PROPERTY IS LOCATED IN OTHER AREAS (NO SCREEN), ZONE "X" (AREA DETERMINED TO BE OUTSIDE THE 2% ANNUAL CHANCE FLOOD PLAIN) PER FEMA FLOOD INSURANCE RATE MAP FOR FAUQUIER COUNTY, VIRGINIA, AND INCORPORATED AREAS, MAP NUMBER 51061C 0335 C, PANEL 335 OF 550, MAP EFFECTIVE DATE FEBRUARY 6, 2008.

7. THERE WAS NO EVIDENCE OF A FIELD DELINEATION OF WETLANDS CONDUCTED ON THE SITE.

8. THERE WERE NO CEMETERIES OR FAMILY BURIAL GROUNDS OBSERVED AT THE TIME OF SURVEY.

9. THERE ARE NO ENCROACHMENTS.

10. THERE IS NO OBSERVABLE EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.

13 THERE ARE 174 PARKING SPACES INCLUDING 6 HANDICAP SPACES.

REFERENCES:
1. FAUQUIER COUNTY REAL ESTATE ONLINE

GENERAL CONSTRUCTION NOTES.

1. PAY FEES FOR AND SECURE REQUIRED PERMITS FOR CONSTRUCTION.

2. OBTAIN WRITTEN APPROVAL FROM THE COR FOR DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS.

3. PERFORM WORK IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES. NOTIFY THE COR IMMEDIATELY IF THERE IS ANY CONFLICT BETWEEN THE APPLICABLE ORDINANCES AND THE CONTRACT WORK.

4. COORDINATE CONSTRUCTION EFFORTS WITH ADJACENT ACTIVE CONSTRUCTION SITES.

5. USE ESTABLISHED ROADWAYS AND OBSERVE APPLICABLE WEIGHT RESTRICTIONS FOR VEHICLES AND/OR ROADWAYS.

6. MAINTAIN TRAFFIC AND USAGE OF THE EXISTING ROADWAYS ADJACENT TO THE PROJECT. SUBMIT A TRAFFIC CONTROL PLAN TO THE COR A MINIMUM OF 30 DAYS PRIOR TO ANY PROPOSED LANE CLOSURES OR WORK WITHIN THE EXISTING ROADWAYS, IF REQUIRED. MAINTAIN EMERGENCY VEHICLE ACCESS AT ALL TIMES.

7. PROVIDE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REQUIREMENTS.

8. ALL DIMENSIONS ARE TO THE FACE OF CURB / EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.

9. DIMENSIONS OR VALUES ON THE PLANS TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS OR VALUES.

10. DESIGN TEMPORARY CONSTRUCTION STRUCTURES SUCH AS SHEETING AND SHORING FOR EXCAVATIONS.

11. PROVIDE DESIGN CALCULATIONS AND DRAWINGS SHOWING THE LOCATIONS AND CONSTRUCTION DETAILS OF SAID TEMPORARY STRUCTURES PROPOSED. DOCUMENTS SHALL BE PREPARED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE WORK IS BEING PERFORMED.

12. NO DISTURBANCE IS ALLOWED BEYOND THE LIMITS OF DISTURBANCE INDICATED.

13. GRADES SHOWN DENOTE THE TOP OF CURB, TOP OF CONCRETE SIDEWALK/PAVEMENT OR TOP OF FINISHED GRADE UNLESS OTHERWISE STATED ON TYPICAL SECTIONS OR DETAILS.

14. GRADES BETWEEN SPOT ELEVATIONS AND BETWEEN CONTOURS HAVE A UNIFORM SLOPE UNLESS NOTED OTHERWISE.

15. MAXIMUM SLOPE IN ACCESSIBLE PARKING SPACES AND ACCESS AISLES IS 2%.

16. MAXIMUM SLOPE IN PARKING AREAS OUTSIDE OF ACCESSIBLE PARKING SPACES AND ACCESS AISLES IS 5%.

17. CONSTRUCT ALL ACCESSIBLE ROUTES IN ACCORDANCE WITH FEDERAL REQUIREMENTS.

18. MAXIMUM SLOPE OF DISTURBED AND RESTORED AREAS IS 3:1.

19. CONTRACTOR STAGING AND LAYDOWN AREA WILL BE COORDINATED DURING THE PRE-CONSTRUCTION MEETING.

20. PROVIDE POSITIVE DRAINAGE AWAY FROM EXISTING AND PROPOSED BUILDINGS DURING CONSTRUCTION AND AT FINAL GRADING AND STABILIZATION.

21. UPON COMPLETION OF CONSTRUCTION OF THE PROJECT, THE PROJECT AREA MUST BE FREE OF DEBRIS AND UNUSED MATERIAL. ALL DAMAGED CAUSED BY CONSTRUCTION ACTIVITIES MUST BE RESTORED TO MEET OR EXCEED THE ORIGINAL EXISTING CONDITION, TO INCLUDE PAVEMENT MARKINGS IN THE VICINITY OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE GOVERNMENT.

22. LOCATE PORTABLE TOILETS A MINIMUM OF 25 FEET AWAY FROM THE NEAREST STORMWATER FEATURE (INLET, SWALE, DITCH, POND, ETC.).

23. CONSTRUCT TEMPORARY FENCING AS NECESSARY TO SECURE THE PROJECT SITE AT ALL TIMES.

CIVIL UTILITY NOTES

1. PRIOR TO CONSTRUCTION DETERMINE THE EXACT LOCATION OF ALL UTILITIES WITHIN THE LIMITS OF DISTURBANCE. REPAIR DAMAGES TO UTILITIES DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE GOVERNMENT. IF DURING CONSTRUCTION UTILITIES OTHER THAN THOSE SHOWN HEREIN ARE DISCOVERED, IMMEDIATELY NOTIFY THE COR IN WRITING AND TAKE NECESSARY STEPS TO PROTECT THE UTILITY AND ENSURE CONTINUITY OF SERVICE.

2. WHERE UTILITIES WILL CROSS EXISTING UTILITIES, LOCATE THE EXISTING UTILITY IN BOTH THE HORIZONTAL AND VERTICAL AND NOTIFY THE COR IN WRITING IF THE EXISTING UTILITY WILL BE IN CONFLICT WITH THE WORK.

3. PROVIDE A MINIMUM OF 36 INCHES OF COVER OVER WATERLINES.

4. CONFIRM UTILITY TIE-IN LOCATIONS WITH THE RESPECTIVE UTILITY OWNER PRIOR TO CONSTRUCTION.

5. EXISTING UTILITY TIE-IN LOCATIONS ARE ACTIVE UNLESS NOTED OTHERWISE.

6. REFER TO THE ARCHITECTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, COMMUNICATIONS, AND ELECTRICAL PLANS TO CONFIRM BUILDING CONNECTION LOCATIONS AND SIZES PRIOR TO CONSTRUCTION.

7. DO NOT OPERATE EXISTING WATER VALVES WITHOUT PRIOR NOTIFICATION AND CONSENT OF THE COR AND THE FCWSA.

8. INSTALL WATER MAINS CROSSING SANITARY SEWER ABOVE THE SANITARY SEWER WITH A MINIMUM SEPARATION OF 18 INCHES. WHERE WATERLINES AND SANITARY SEWER RUN PARALLEL, PROVIDE A MINIMUM SEPARATION OF 10 FEET OUTSIDE TO OUTSIDE OF PIPE WITH A VERTICAL SEPARATION OF 18 INCHES, WATER OVER SEWER.

9. THESE WATER MAIN/SERVICE DESIGN PLANS DO NOT DEPICT THE LOCATION OF EVERY NECESSARY ELBOW, TEE, CROSS, THRUST BLOCK, BEND, VALVE, OR FITTING REQUIRED. INCLUDE ALL PIPING, FITTINGS AND APPURTENANCES REQUIRED FOR A FULLY FUNCTIONING INSTALLED SYSTEM.

10. ADJUST ALL EXISTING UTILITY STRUCTURE RIMS TO MEET FINAL GRADE.

11. INSTALL SANITARY AND STORM SEWER STARTING AT THE DOWNSTREAM POINT AND CONTINUE TO WORK UPSTREAM.

12. EXCAVATE ALL TRENCHES TO INDICATED GRADIENTS, LINES, DEPTHS, AND ELEVATIONS.

13. TAKE EXTRA CARE WHILE EXCAVATING NEAR OR WORKING IN CLOSE PROXIMITY TO EXISTING UTILITIES AND PROTECT ALL UTILITIES THROUGHOUT CONSTRUCTIONS. HAND EXCAVATE AS NECESSARY TO AVOID POTENTIAL DAMAGE.

14. UTILIZE TRENCH BOXES AND/OR TRENCH SHEETING OR SHORING AS REQUIRED TO PROTECT EXISTING SITE FEATURES AND UTILITIES.

CIVIL SITE DEMOLITION NOTES

1. LIMITS AND ITEMS SHOWN FOR REMOVAL ARE BASED ON THE TOPOGRAPHIC SURVEY AND AVAILABLE RECORD MAPPING. REMOVE ANY ITEMS NOT SHOWN WITHIN THE LIMITS OF CONSTRUCTION NECESSARY TO COMPLETE THE REQUIRED WORK. NOTIFY COR IN WRITING OF ANY ITEMS NOT SHOWN WITHIN THE LIMITS OF DISTURBANCE THAT REQUIRE DEMOLITION OR TEMPORARY REMOVAL TO COMPLETE THE REQUIRED WORK.

2. PROTECT EXISTING FEATURES TO REMAIN, INCLUDING TREES, ROADS, UTILITIES, PAVING AND SIMILAR ITEMS NOT PART OF THE CONTRACT WORK. REPAIR OR REPLACE ITEMS TO REMAIN THAT ARE DAMAGED TO MEET OR EXCEED THEIR EXISTING CONDITION. STORE ITEMS REQUIRED TO BE TEMPORARILY REMOVED IN A SAFE AND SECURE AREA. TEMPORARILY REMOVED ITEMS THAT ARE DAMAGED DURING STORAGE OR REPLACEMENT MUST BE REPAIRED TO MEET OR EXCEED THEIR EXISTING CONDITION.

3. PROVIDE CONSTRUCTION DUMPSTERS AND DISPOSE OF ALL DEBRIS AND CONSTRUCTION MATERIAL IN A LAWFUL MANNER. DISPOSE OF WASTE IN AN APPROVED OFF-SITE WASTE DISPOSAL FACILITY.

4. COORDINATE THE LIMITS OF REMOVAL AND DISTURBANCE WITH THE SITE LAYOUT AND GRADING PLANS.

5. SAWCUT ALL ASPHALT, CONCRETE PAVEMENT, SIDEWALKS OR CURBS/CURBS AND GUTTER TO THEIR FULL DEPTH AT THE LIMITS OF DEMOLITION. AS AN ALTERNATE, CONCRETE PAVEMENT, SIDEWALK, OR CURBS MAY BE REMOVED TO THE NEXT JOINT. IF REMOVED TO THE NEXT JOINT, EXTEND WORK TO THE JOINT MATCHING GRADE AT THE EXISTING INTERFACE.

6. PROVIDE A SMOOTH TRANSITION WHERE CURB, CONCRETE AND ASPHALT MEET EXISTING.

7. EXCAVATED SOIL MAY BE USED FOR BACKFILLING AND FILL PROVIDED IT MEETS THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS.

8. EXISTING UTILITIES MUST REMAIN IN SERVICE DURING DEMOLITION AND CONSTRUCTION. NOTIFY AND SCHEDULE ANY NECESSARY UTILITY INTERRUPTIONS WITH THE COR A MINIMUM OF 15 DAYS PRIOR TO THE SERVICE INTERRUPTION.

FAUQUIER COUNTY WATER AND SANITATION GENERAL SANITARY SEWER CONSTRUCTION NOTES

1. ALL SANITARY SEWER CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF THE FAUQUIER COUNTY WATER AND SANITATION AUTHORITY'S (FCWSA) UTILITY STANDARDS MANUAL (USM), LATEST REVISION.

2. ALL SEWER CONSTRUCTION MATERIALS SHALL BE APPROVED BY FCWSA PRIOR TO INSTALLATION AND SHALL BE IN ACCORDANCE WITH APPENDIX D OF THE USM.

3. THE CONTRACTOR PERFORMING SANITARY SEWER CONSTRUCTION MUST ATTEND A MANDATORY PRE-CONSTRUCTION MEETING WITH FCWSA PRIOR TO THE START OF CONSTRUCTION. THE MEETING MUST BE SCHEDULED BEFOREHAND WITH THE FCWSA INSPECTOR.

4. SEWER LINE INSPECTIONS AND TESTING MUST BE SCHEDULED A MINIMUM OF 48 HOURS (TWO BUSINESS DAYS) IN ADVANCE WITH THE FCWSA INSPECTOR.

5. NON-SHRINK GROUT MUST BE USED FOR ANY SANITARY SEWER USE, EXCLUDING INVERTS AND BENCHES.

6. NO DRY MIX CONCRETE SHALL BE USED IN CONJUNCTION WITH THE INSTALLATION OF THE SANITARY SEWER.

7. RUBBER PLUGS SHALL BE INSTALLED IN MANHOLE LIFT HOLES. ONLY ON OUTSIDE OF THE MANHOLE SHALL NON-SHRINK GROUT OR MASTIC BE USED.

8. INVERT CHANNELS IN TERMINAL MANHOLES SHALL BE BUILT AT THE SAME GRADE AS THE MAINLINE LEAVING THE MANHOLE BUT NOT LESS THAN ONE-INCH PER FOOT.

9. MANHOLES LOCATED WITHIN PAVEMENT AREAS MUST HAVE THE FRAMES AND COVERS SET IN NON-SHRINK GROUT. MASTIC SHALL BE USED ON THE OUTSIDE OF THE JOINT IN ORDER TO PROVIDE A WATER-TIGHT SEAL. MANHOLES LOCATED WITHIN EASEMENT AREAS MUST HAVE FRAMES AND COVERS SECURELY BOLTED TO THE MANHOLE WITH A MASTIC SEAL BETWEEN THE FRAME AND THE CONE SECTION AND/OR ADJUSTMENT RINGS. MANHOLES LOCATED WITHIN THE LIMITS OF THE 100-YEAR FLOOD PLAIN SHALL HAVE CAM-LOCKING TYPE FRAMES AND COVERS, AND SHALL HAVE FLOOD PROOF VENTS INSTALLED AT 1,000 FT. INTERVALS.

10. CONCRETE ADJUSTMENT RINGS SHALL BE USED WHEN ADJUSTMENT TO THE PRECAST MANHOLE TOP ELEVATION EXCEEDS TWO INCHES. NON-SHRINK GROUT WITH METAL OR MASONRY SHIMS MAY BE ALLOWED FOR FINAL SLOPE ADJUSTMENT. TOTAL ADJUSTMENT MUST NOT EXCEED 12".

11. MANHOLE INVERT CHANNELS MAY BE PRECAST OR CAST-IN-PLACE CONCRETE. BRICK OR MORTAR SHALL NOT BE USED IN THIS APPLICATION. THE INVERT CHANNEL SHALL BE SMOOTH AND CIRCULAR IN SHAPE, CONFORMING TO THE ADJACENT SEWER PIPE SECTION. CHANGES IN THE DIRECTION OF FLOW SHALL BE MADE WITH A SMOOTH CURVE MAINTAINING THE SAME DIAMETER AS THE ADJACENT PIPE. CHANGES IN SIZE AND GRADE OF THE CHANNELS SHALL BE MADE GRADUALLY AND EVENLY. THE BENCHES OF THE MANHOLE SHALL BE BUILT WITH ONE TO TWOINCH PER FOOT FALL FROM MANHOLE WALL TO THE MIDDLE POINT OF THE PIPE. THE INVERT CHANNEL DEPTH SHALL BE AT LEAST 0.8 TIMES THE DIAMETER OF THE PIPE. UNLESS OTHERWISE APPROVED BY THE AUTHORITY, A MINIMUM DROP OF 0.2' SHALL BE PROVIDED ACROSS THE MANHOLE.

12. ALL MANHOLES SHALL HAVE AN EXTERIOR PROTECTIVE COATING OF 16 MILS DRY FILM THICKNESS OF BITUMASTIC 300M AS MANUFACTURED BY CARBOLINE.

13. ALL MANHOLES REQUIRE INTERNAL OR EXTERNAL CHIMNEY SEALS IN ACCORDANCE WITH FCWSA DETAIL SC-03 AND SC-04.

14. BACKFILL COMPACTION:

a. WITHIN STREET RIGHTS-OF-WAY, BACKFILL COMPACTION SHALL BE A MINIMUM OF 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH AASHTO METHOD T-180.

b. GRADING WITHIN EASEMENT AREAS SHALL COMPLY WITH THE LINES AND GRADES INDICATED ON THE PLANS. IN GENERAL, ALL TRENCHES AND SUBGRADE OF EASEMENTS SHALL BE COMPACTED TO A DENSITY EQUAL TO THE SURROUNDING GROUND.

15. SANITARY SEWER LATERALS LOCATED OUTSIDE OF THE PUBLIC RIGHT-OF-WAY OR EASEMENT, ARE TO BE MAINTAINED BY THE LANDOWNER WHOM THEY SERVE.

16. ALL GRAVITY SEWER LINES SHALL BE C-900 PVC EXCEPT AS OTHERWISE REQUIRED BY THE USM.

17. ALL PRESSURE SEWER SHALL BE MINIMUM CLASS 52 DIP, WITH INTERIOR COATING/LINING AS SPECIFIED IN THE USM.

18. GRAVITY SANITARY SEWER SERVICE LATERALS:

a. ALL GRAVITY SANITARY SEWER LATERALS SHALL BE PVC C900 DR 25, UNLESS OTHERWISE INDICATED, AND IT SHALL MEET FAUQUIER COUNTY, HEALTH DEPARTMENT AND THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE (USBC).

b. LATERAL CONNECTIONS TO THE MAIN SHALL BE A MINIMUM OF TWO FEET FROM ANY PIPE JOINT (CENTER TO CENTER). THIS SPACING SHALL ALSO APPLY TO THE DISTANCE BETWEEN TWO LATERALS ALONG THE MAIN.

c. ALL NEW CONSTRUCTION OF THE SANITARY SEWER MAIN WILL REQUIRE THE INSTALLATION OF A PREFABRICATED SOLID WYE FITTING FOR SERVICE LATERAL CONNECTIONS. THE WYE FITTING SHALL BE MADE OF THE SAME PIPE MATERIAL AS THE SANITARY SEWER MAIN.

d. SERVICE CONNECTIONS TO AN EXISTING SEWER MAIN SHALL USE A SERVICE SADDLE SUITABLE FOR A GRAVITY COLLECTION SYSTEM AS SPECIFIED IN THE USM.

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COMMONWEALTH OF VIRGINIA
Patrick J. McPartland
Lic. No. 0402058735
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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA,GA

WARRENTON ADMINISTRATIVE BUILDING

CIVIL GENERAL NOTES

WARRENTON — DCCA ADM — VA

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DCCA ADM

DESIGNED BY P. McPARTLAND
DRAWN BY P. McPARTLAND
CHECKED BY D. TIRONA
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
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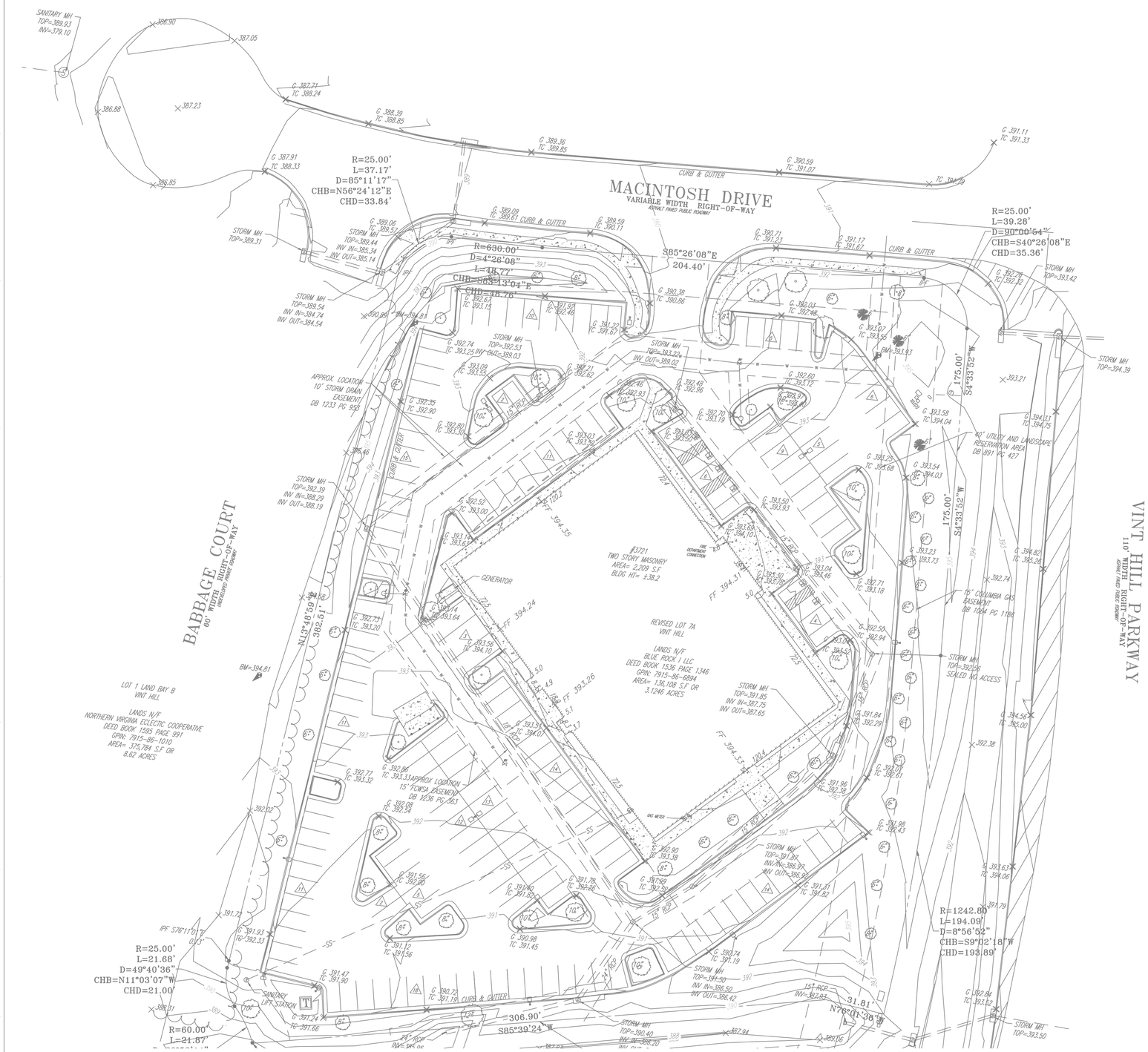

A8 EXISTING CONDITIONS PLAN

C100

1" = 30'

0 15 30 60 FEET

Scale: 1 INCH = 30 FEET

N

LEGEND

- × TC 262.83 — TOP OF CURB ELEVATION
- × G 262.83 — FLOWLINE ELEVATION
- × EP 262.83 — EDGE OF PAVEMENT ELEVATION
- × 262.83 — SPOT ELEVATION
- 262 — EXISTING CONTOUR
- W — APPROX. LOC. WATER LINE
- OVERHEAD WIRES
- METAL OR WOOD FENCE
- WIRE FENCE
- CONCRETE
- T — TRANSFORMER
- AREA LIGHT
- SIGN
- BOLLARD
- TREE (W/SIZE)
- BUSH
- TREE LINE
- GRATE INLET
- S — SANITARY MANHOLE
- T — TELEPHONE MANHOLE
- D — STORM DRAIN MANHOLE
- WV — WATER VALVE
- WM — WATER METER
- FIRE HYDRANT
- GV — GAS VALVE
- GM — GAS METER
- UTILITY POLE
- UTILITY POLE WITH LIGHT
- GUY WIRE
- TELE — TELEPHONE PEDESTAL
- T — TELECOMMUNICATION HANDHOLD
- E — ELECTRIC HANDHOLD
- CO — CLEAN OUT
- 8 — DENOTES PARKING COUNT
- 10 — TITLE EXCEPTION
- BENCHMARK
- PAINTED ARROWS
- WHEEL STOP
- HANDICAP PARKING
- ONLY STOP — STOP BAR
- CB — CODE BOX

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA,GA

WARRENTON ADMINISTRATIVE BUILDING

EXISTING CONDITIONS PLAN

WARRENTON — DCCA ADM — VA

COMMONWEALTH OF VIRGINIA
Patrick J. McPartland
Lic. No. 0402058735
10 MAR 22
PROFESSIONAL ENGINEER

DCCA ADM

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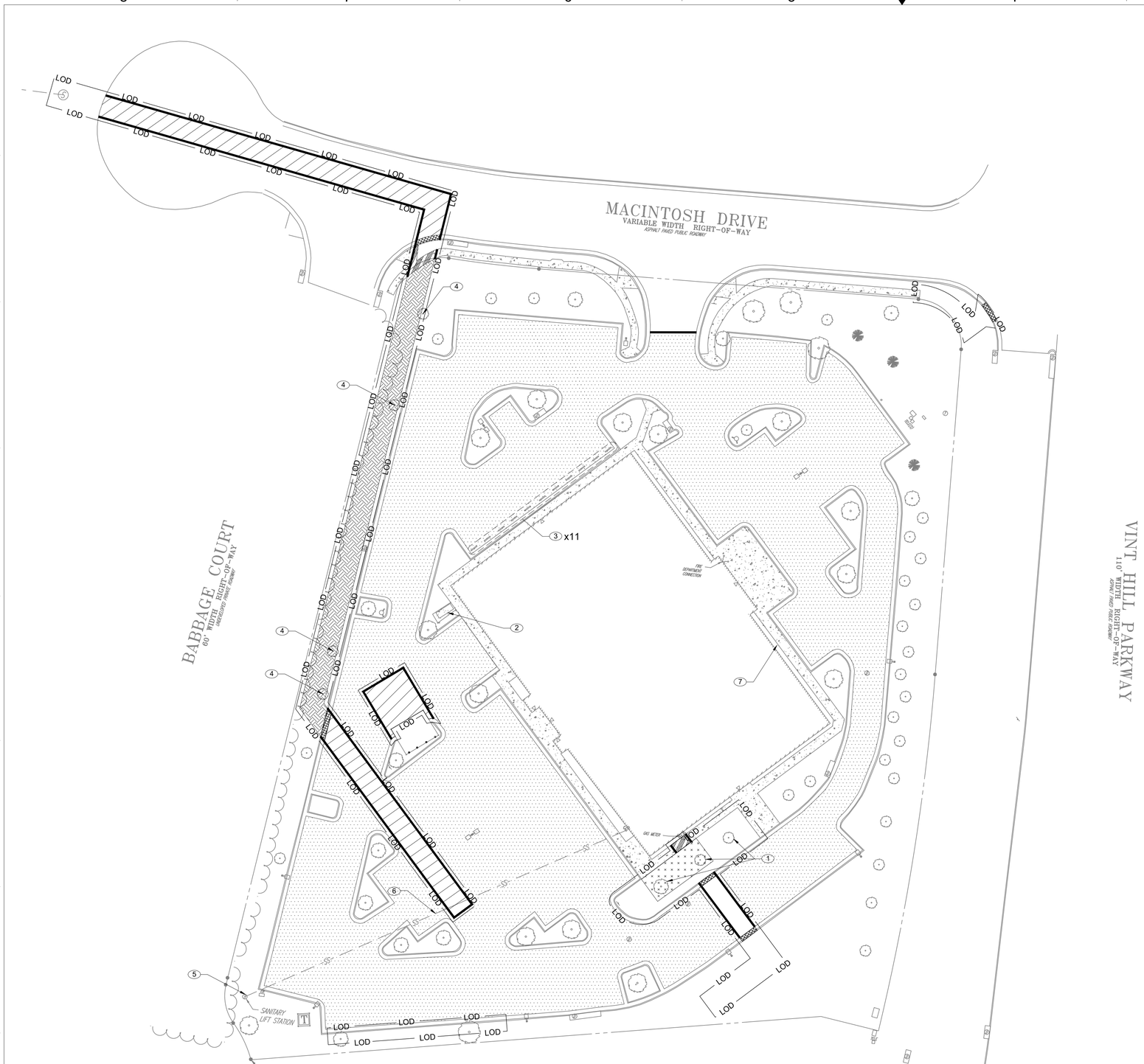

A8 DEMOLITION PLAN

C110

1" = 30'

0 15 30 60 FEET

Scale: 1 INCH = 30 FEET

N

GENERAL SHEET NOTES

A. ALL UTILITIES, UNLESS STATED OTHERWISE, SHALL BE PROTECTED DURING CONSTRUCTION.

B. SAME DAY STABILIZATION IS REQUIRED FOR UTILITY WORK.

C. SAWCUT THE EDGES OF EXCAVATIONS INTO PAVEMENT OR CONCRETE.

D. EXISTING PARKING LOT STRIPING AND PAVEMENT MARKINGS TO BE REMOVED WITH MILLING OPERATION.

SHEET NOTES

1. EXISTING TREE TO BE REMOVED
2. EXISTING GENERATOR TO BE REMOVED. CONCRETE PAD TO REMAIN. SEE ELECTRICAL PLANS.
3. REMOVE, SALVAGE, AND REINSTALL WHEEL STOPS. REPLACE ANY WHEEL STOPS THAT ARE DAMAGED. TREES TO BE PROTECTED IF POSSIBLE.
4. ANY DAMAGED TREE WILL BE REPLACED IN KIND.
5. DISCONNECT AND PLUG GRAVITY SANITARY FROM LIFT STATION.
6. REMOVE 5' OF EXISTING SANITARY SEWER PIPE BACK TO EXISTING LIFT STATION. CAP AND GROUT UNUSED PORTION OF SANITARY SEWER.
7. EXISTING HANDICAP SIGN TO BE RELOCATED

LEGEND

— LOD —	LIMIT OF DISTURBANCE
	SAWCUT
	1-1/2" ASPHALT MILLING
	FULL DEPTH ASPHALT REMOVAL
	REMOVE CONCRETE CURB AND GUTTER
	REMOVE CONCRETE SIDEWALK
	CLEAR AND GRUB
	EXCAVATE FOR SANITARY SEWER

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DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA,GA

WARRENTON ADMINISTRATIVE BUILDING

DEMOLITION PLAN

WARRENTON — DCCA ADM — VA

COMMONWEALTH OF VIRGINIA
Patrick J. McPartland
Lic. No. 0402058735
10 MAR 22
PROFESSIONAL ENGINEER

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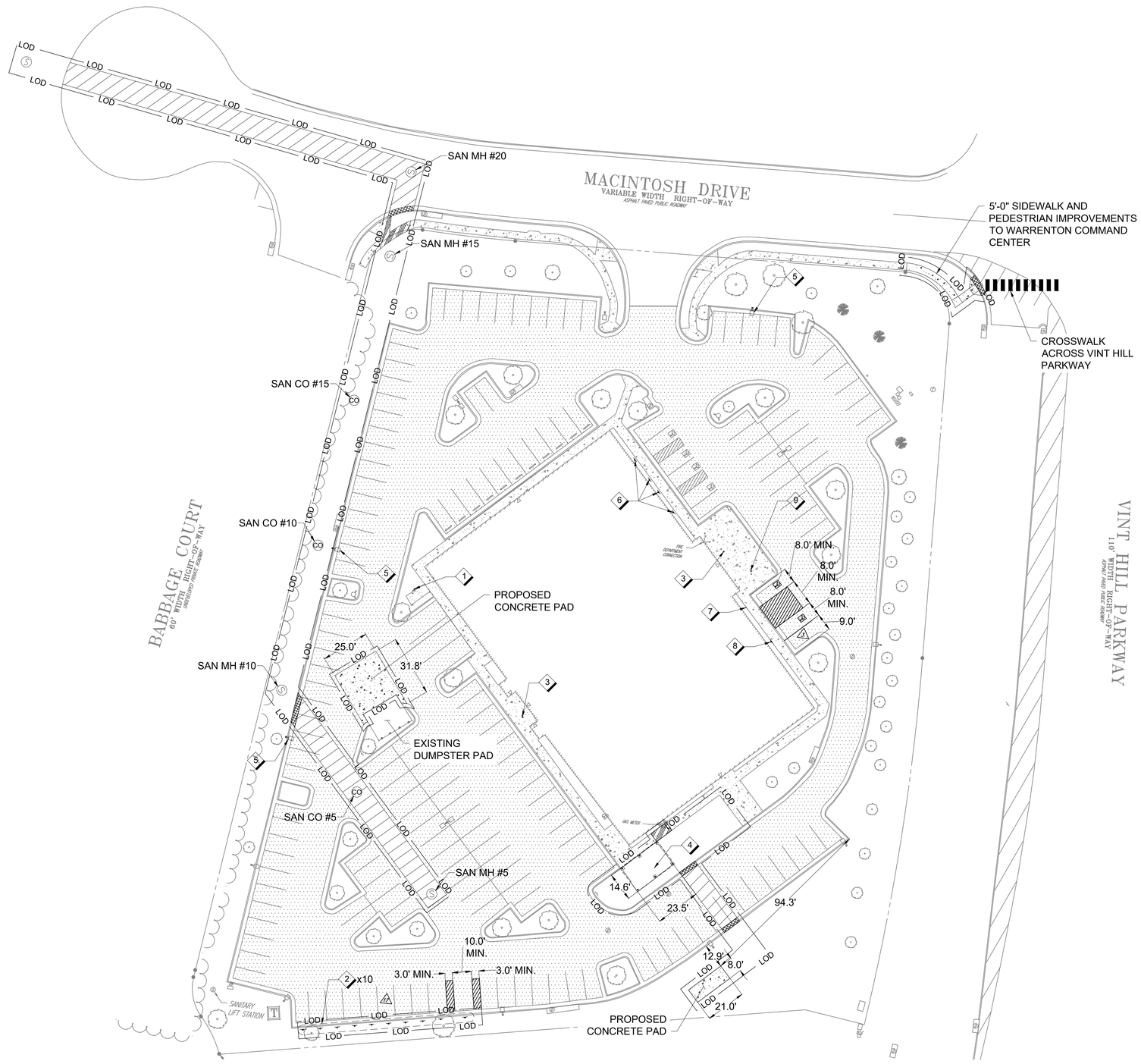

A8 SITE PLAN

C120

1" = 30'

0 15 30 60 FEET

Scale: 1 INCH = 30 FEET

N

GENERAL SHEET NOTES

A. ALL UTILITIES, UNLESS STATED OTHERWISE, SHALL BE PROTECTED DURING CONSTRUCTION.

B. PAVEMENT MARKINGS AND PARKING SPACES SHALL MATCH PRE MILL AND OVERLAY CONDITIONS UNLESS OTHERWISE NOTED.

C. PAY FEES FOR AND SECURE REQUIRED PERMITS FOR CONSTRUCTION. DOCUMENTS SHALL BE PREPARED TO THE REQUIRED STANDARDS OF THE PERMITTING AUTHORITY.

SHEET NOTES

1. DESIGNATED SMOKING AREA SIGN. SEE ARCHITECTURAL PLANS.
2. INSTALL ELECTRICAL VEHICLE PARKING SIGN. PAINT STRIPING AND CURB GREEN.
3. BOLLARD WITH PUSH PLATE. SEE ARCHITECTURAL PLANS.
4. OUTDOOR PERGOLA AREA. SEE LANDSCAPE PLANS.
5. LIGHT POLE WITH BASE. SEE ELECTRICAL PLANS.
6. HANDICAP PARKING SIGN
7. EXISTING HANDICAP PARKING SIGN. ADD VAN ACCESSIBLE SIGN.
8. RELOCATED HANDICAP PARKING SIGN. ADD VAN ACCESSIBLE SIGN.
9. FLAGPOLE

LEGEND

— LOD —	LIMIT OF DISTURBANCE
	1-1/2" ASPHALT OVERLAY
	FULL DEPTH ASPHALT REPLACEMENT
	REPLACE CONCRETE CURB AND GUTTER IN-LINE AND GRADE
	REPLACE CONCRETE SIDEWALK IN-LINE AND GRADE
	CONCRETE

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FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA,GA

WARRENTON ADMINISTRATIVE BUILDING

SITE PLAN

WARRENTON — DCCA ADM — VA

COMMONWEALTH OF VIRGINIA
Patrick J. McPartland
Lic. No. 0402058735
10 MAR 22
PROFESSIONAL ENGINEER

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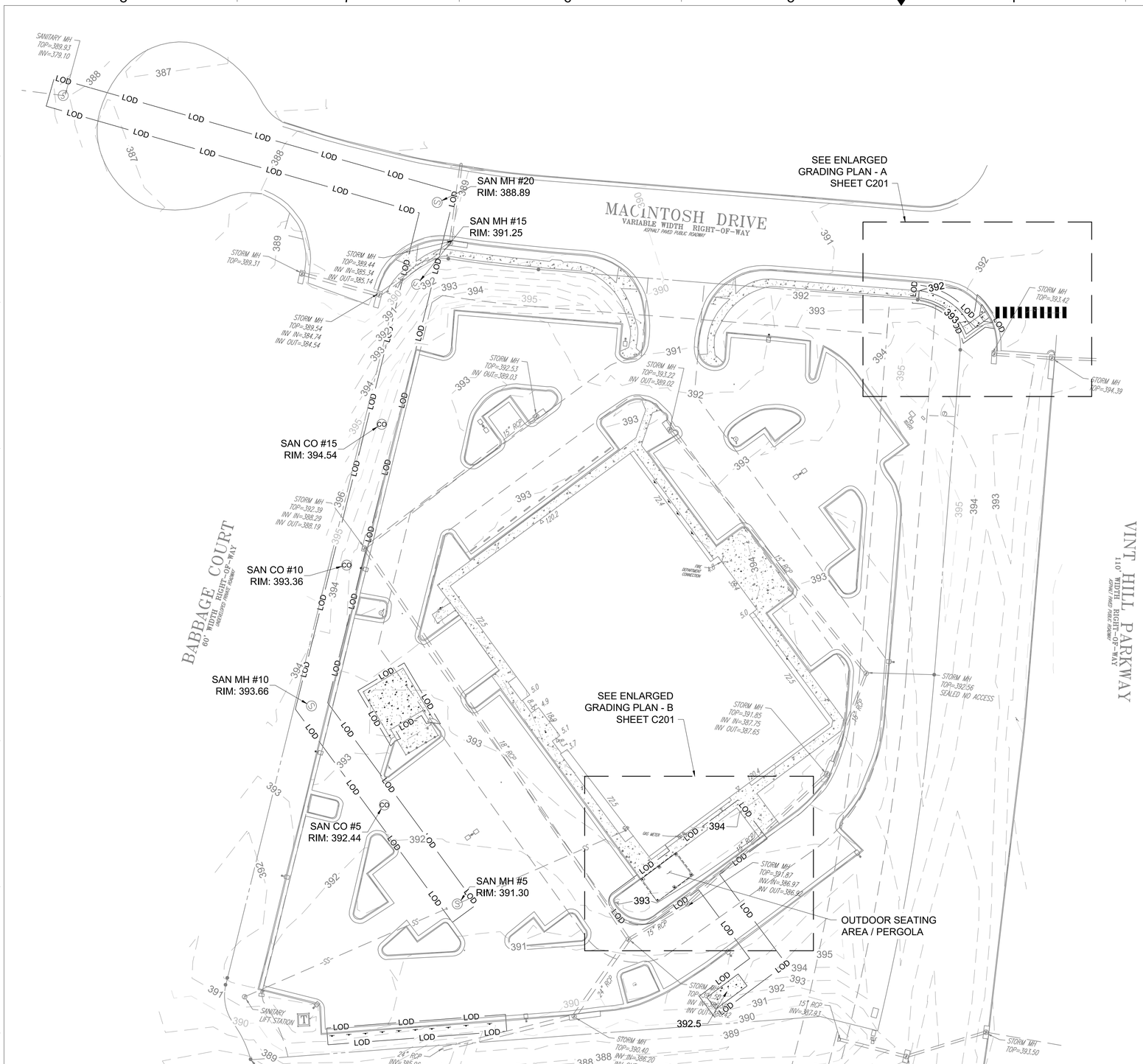

A8 C200 OVERALL GRADING PLAN

1" = 30'

0 15 30 60 FEET

Scale: 1 INCH = 30 FEET

N

GENERAL SHEET NOTES

A. GRADE TO DRAIN.

B. MAX SLOPE TO GRADE OUT 3H:1V ON GRASS

C. PROTECT SITE FROM PONDING WATER AND FLOODING.

LEGEND

— LOD —	LIMIT OF DISTURBANCE
387	EXISTING CONTOUR
387	PROPOSED CONTOUR
	EXISTING CURB INLET
	EXISTING STORM SEWER MANHOLE

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DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA,GA

WARRENTON ADMINISTRATIVE BUILDING

OVERALL GRADING PLAN

WARRENTON — DCCA ADM — VA

COMMONWEALTH OF VIRGINIA
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Lic. No. 0402059735
10 MAR 22
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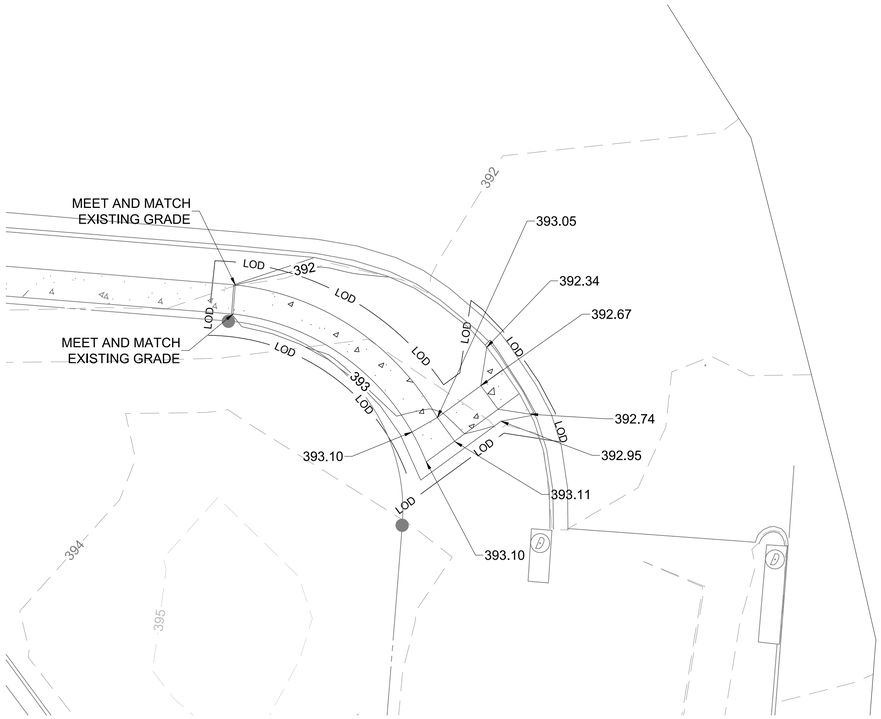


D8 ENLARGED GRADING PLAN - A

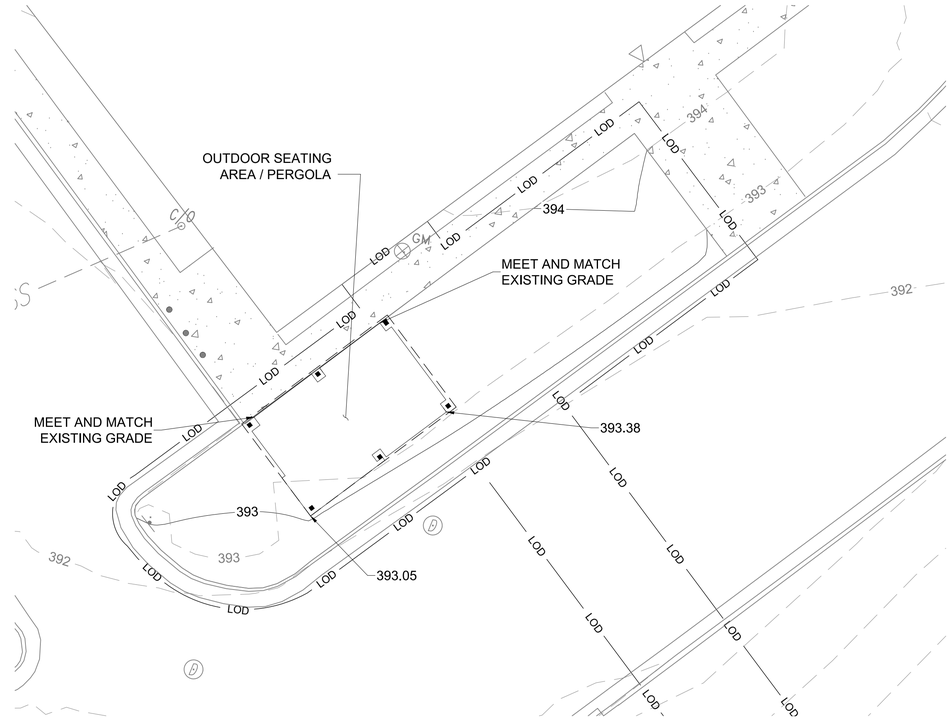
C201

1" = 10'

0 5 10 20 FEET

Scale: 1 INCH = 10 FEET

N



D5 ENLARGED GRADING PLAN - B

C201

1" = 10'

0 5 10 20 FEET

Scale: 1 INCH = 10 FEET

N

GENERAL SHEET NOTES

A. GRADE TO DRAIN.

B. MAX SLOPE TO GRADE OUT 3H:1V ON GRASS

C. PROTECT SITE FROM PONDING WATER AND FLOODING.

LEGEND

— LOD —	LIMIT OF DISTURBANCE
387	EXISTING CONTOUR
387	PROPOSED CONTOUR
	EXISTING CURB INLET
	EXISTING STORM SEWER MANHOLE

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COMMONWEALTH OF VIRGINIA
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DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA,GA

WARRENTON ADMINISTRATIVE BUILDING

ENLARGED GRADING PLANS

WARRENTON — DCCA ADM — VA

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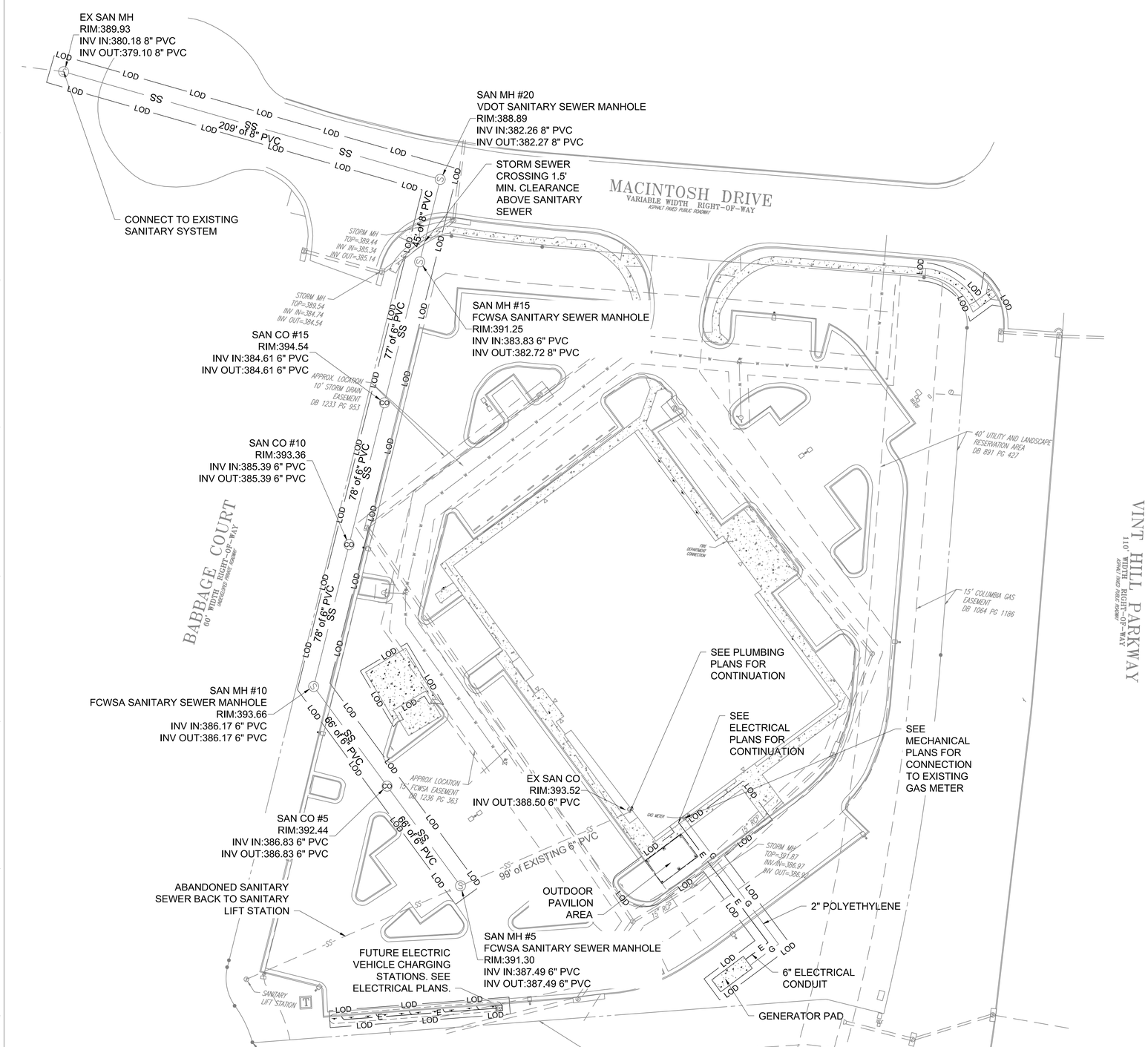

A8
C500

UTILITY PLAN

1" = 30'

0 15 30 60 FEET
Scale: 1 INCH = 30 FEET

N

GENERAL SHEET NOTES

A. ALL UTILITIES, UNLESS STATED OTHERWISE, MUST BE PROTECTED DURING CONSTRUCTION.

B. ALL STRUCTURES INSIDE TRAVELWAYS WILL BE TRAFFIC RATED.

C. PAY FEES FOR AND SECURE REQUIRED PERMITS FOR CONSTRUCTION. DOCUMENTS SHALL BE PREPARED TO THE REQUIRED STANDARDS OF THE PERMITTING AUTHORITY.

LEGEND

— LOD —	LIMIT OF DISTURBANCE
— SS —	SANITARY SEWER
— — —	EXISTING SANITARY SEWER
— G —	NATURAL GAS
— E —	ELECTRIC
Ⓢ	SANITARY SEWER MANHOLE
CO	SANITARY SEWER CLEANOUT
Ⓢ	EXISTING SANITARY SEWER MANHOLE
c/o	EXISTING SANITARY SEWER CLEANOUT

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA,GA

WARRENTON ADMINISTRATIVE BUILDING

UTILITY PLAN

WARRENTON — DCCA ADM — VA

Jacobs

COMMONWEALTH OF VIRGINIA
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10 MAR 22
PROFESSIONAL ENGINEER

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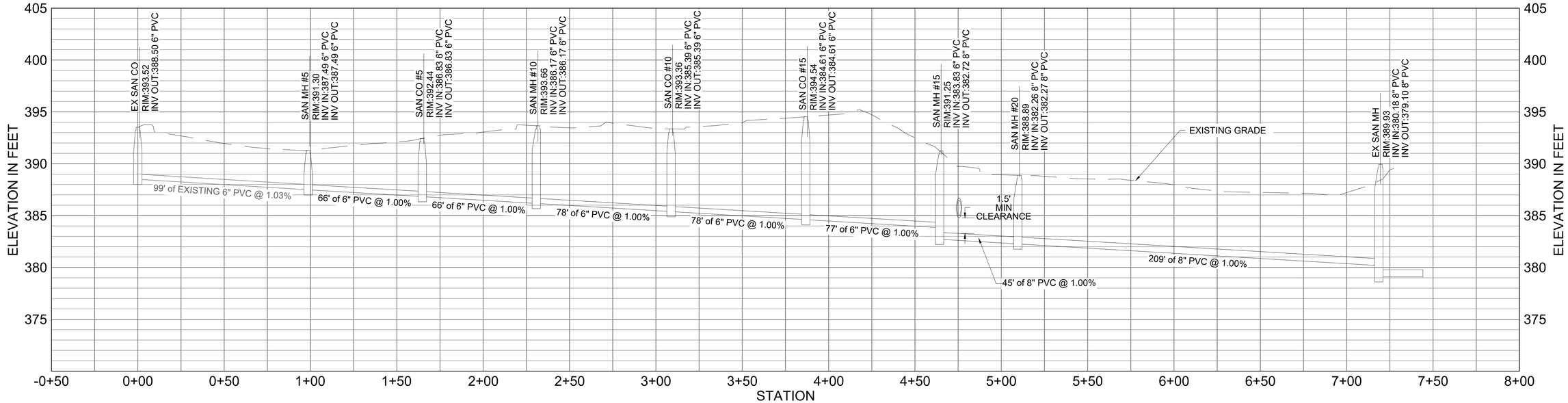

E8
C510

SANITARY SEWER PROFILE

H: 1"=30' / V: 1"=5'

0 15 30 60 FEET
Horizontal Scale: 1 INCH = 30 FEET

0 2.5 5 10 FEET
Vertical Scale: 1 INCH = 5 FEET

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COMMONWEALTH OF VIRGINIA
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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA,GA

WARRENTON ADMINISTRATIVE BUILDING

UTILITY PROFILE

WARRENTON — DCCA ADM — VA

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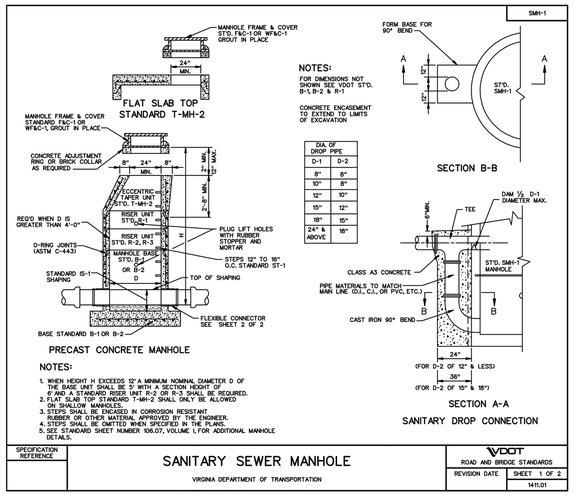
2016 ROAD & BRIDGE STANDARDS

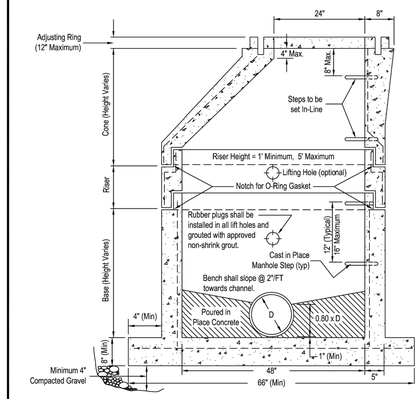


2016 ROAD & BRIDGE STANDARDS

E8 VDOT SANITARY SEWER MANHOLE

C540 NTS

Notes:
1) All manholes shall meet the current requirements of ASTM Specification C-476.
2) Concrete to be 4000 psi minimum compressive strength.
3) All reinforcing steel shall meet the current requirements of ASTM Specification A-615.
4) Tapered joint with O-Ring gasket shall meet the current requirements of ASTM Specifications C-361 & C-443.
5) Approved flexible joint shall be used on all pipe connections to manholes. Installation shall be in accordance with manufacturer's specifications.
6) 301 Mastic or approved equal shall be used in addition to the joint specified.
7) The entire exterior of the manhole shall be coated with 16 Mils DFT of Kop Coat 300M or approved equal. Coating may be applied at the factory, but any gouges and/or bare spots shall be touched-up before backfilling.

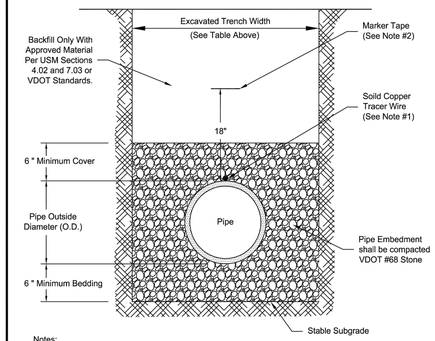


Fauquier County Water and Sanitation Authority	Standard 4' ID Precast Concrete Manhole	SC-05
	Not to Scale	Revised: 03/31/05

E5 FCWSA SANITARY SEWER MANHOLE

C540 NTS

SUBGRADE	MAIN SIZE	MINIMUM TRENCH WIDTH
SOIL	≤ 16"	O.D. + 12"
SOIL	> 16"	O.D. + 18"
ROCK	ALL	O.D. + 48"



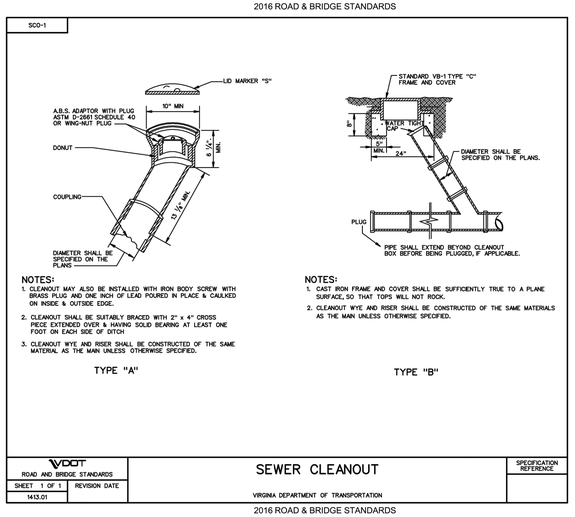
Notes:
1. Solid copper tracer wire shall be installed at the 12 o'clock position for all non-metallic pipe.
2. Non-detectable marker tape shall be buried 18 inches above the pipe for the entire length of the pipe.
3. All materials must conform to the applicable sections of the Utility Standards Manual (USM) Appendix D Approved Materials List.
4. Trenches in public roadways shall be excavated, backfilled and compacted in accordance with the standards specified in the VDOT's Road and Bridge Specifications or other acceptable criteria.
5. Installation of ductile iron pipe, in addition to the above, shall conform with the applicable provisions of ANSI/AWWA C600 or latest version.
6. Excavation shall be performed in accordance with OSHA Standard 29 CFR Part 1926, Subpart P "*Excavation and Trenching*".

Fauquier County Water and Sanitation Authority	Pipe Embedment and Backfill	G-01
	Not to Scale	Revised: 11/01/21

E2 PIPE EMBEDMENT AND BACKFILL

C540 NTS

2016 ROAD & BRIDGE STANDARDS



2016 ROAD & BRIDGE STANDARDS

A8 SEWER CLEANOUT

C540 NTS

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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA,GA

WARRENTON ADMINISTRATIVE BUILDING

UTILITY DETAILS

WARRENTON — DCCA ADM — VA

COMMONWEALTH OF VIRGINIA
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10 MAR 22
PROFESSIONAL ENGINEER

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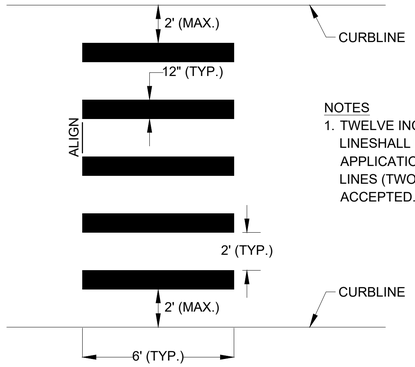
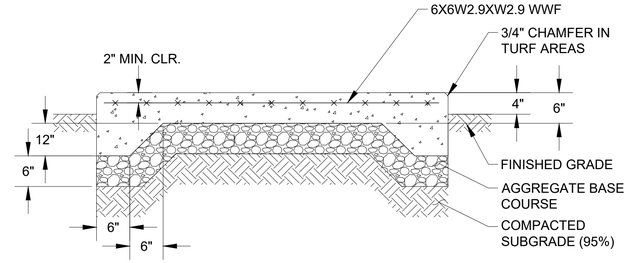


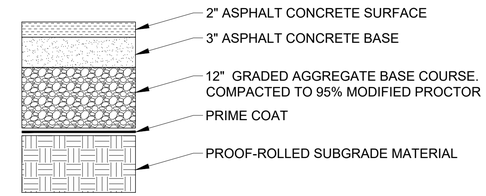
NOTES
1. TWELVE INCH (12") WHITE PAINT LINESHALL BE APPLIED IN ONE APPLICATION. NO COMBINATION OF LINES (TWO - 6 INCH LINES) WILL BE ACCEPTED.

F8 CROSSWALK
C800 NTS



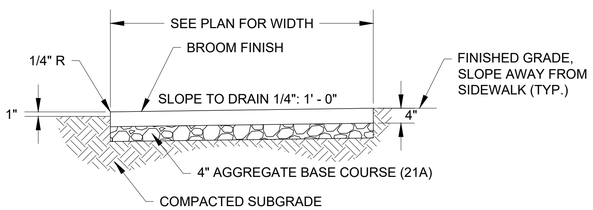
NOTES
1. MIN. CONCRETE STRENGTH fc' =4000 psi
2. REFER TO SITE PLAN FOR SLAB DIMENSIONS AND LOCATIONS.
3. EXTEND THE LENGTH AND WIDTH OF THE CONCRETE UTILITY PAD A MINIMUM OF 6 INCHES BEYOND THE LENGTH AND WIDTH OF THE SELECTED UTILITY EQUIPMENT ON EACH SIDE.
4. COORDINATE ANY CONDUIT PENETRATIONS WITH SELECTED ELECTRICAL/MECHANICAL EQUIPMENT.

F5 CONCRETE UTILITY PAD
C800 NTS



NOTES
1. ASPHALT MIXES AND AGGREGATE BASE TO BE DETERMINED BY THE DESIGNER OF RECORD AND GEOTECHNICAL RECOMMENDATIONS

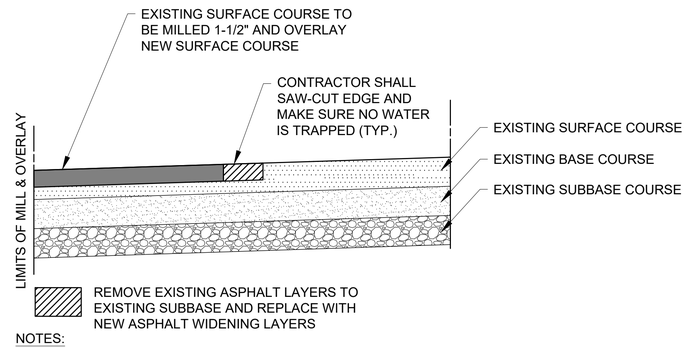
F3 ASPHALT PARKING LOT PAVEMENT (FULL DEPTH)
C800 NTS



NOTES
1. SIDEWALK SHALL DRAIN AWAY FROM BUILDING AND HAVE A MAXIMUM CROSS SLOPE OF 2.0%
2. 5' WIDE SIDEWALK - TRANSVERSE CONTROL JOINTS AT 5' INTERVALS, NO LONGITUDINAL JOINTS.
3. 10' WIDE SIDEWALK/PLAZA AREA - TRANSVERSE CONTROL JOINTS AT 5' INTERVALS, LONGITUDINAL CONTROL JOINTS AT 5' INTERVALS.
4. EXPANSION JOINTS TO BE PLACES BETWEEN ADJACENT SLABS, AT BUILDING LINE, AT CURBS, OR AT PENETRATING STRUCTURES.
5. PROVIDE A MEDIUM TEXTURE BROOM FINISH TO ALL SIDEWALKS.

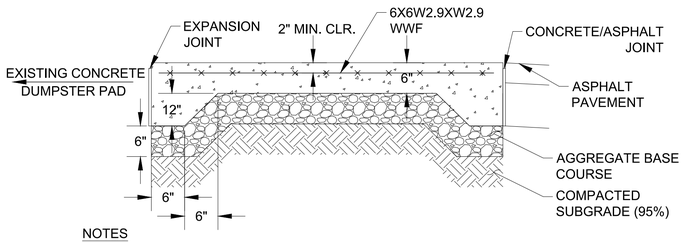
* 1" ELEVATION DIFFERENCE ON DOWN SLOPE OF SIDEWALK IN TURF AREAS ONLY. 0" ON UPHILL SIDE AND WHERE ABUTTING OTHER PAVED SURFACES OR BACK OF CURB. 4,000 PSI AIR ENTRAINED (A/E) CONCRETE.

C8 CONCRETE SIDEWALK
C800 NTS



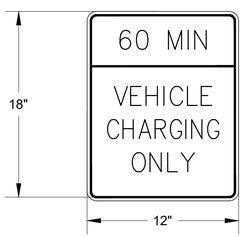
NOTES:
1. THE TOTAL EQUIVALENT STRENGTH OF THE PROPOSED PAVEMENT SECTION SHALL NOT BE LESS THAN THAT OF THE EXISTING PAVEMENT SECTION.
2. CONTRACTOR SHALL ENSURE THAT NO WATER IS TRAPPED BETWEEN EXISTING AND PROPOSED PAVEMENT AFTER THE CUTTING OPERATIONS HAVE BEEN PERFORMED.
3. BOTTOM AND ALL SIDES OF SAW CUT SHALL BE PRIMED WITH ASPHALT PRIOR TO PLACING ASPHALT MIX.

C5 MILL AND OVERLAY
C800 NTS



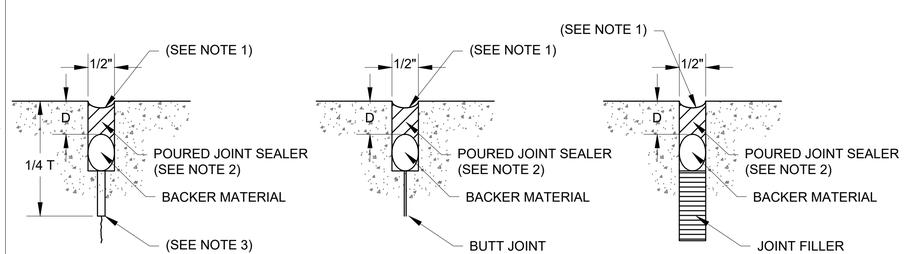
NOTES
1. MIN. CONCRETE STRENGTH fc' =4000 psi
2. REFER TO SITE PLAN FOR SLAB DIMENSIONS AND LOCATIONS.

E3 CONCRETE DUMPSTER PAD
C800 NTS



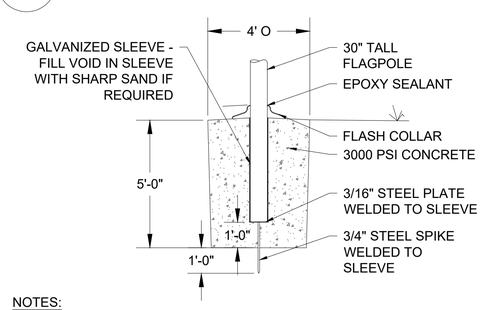
MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD): R7-114b
COLORS:
LEGEND, BORDER - GREEN (RETROREFLECTIVE)
BACKGROUND - WHITE (RETROREFLECTIVE)

C3 ELECTRICAL VEHICLE PARKING SIGN
C800 NTS



NOTES:
1. TOP OF SEALANT TO BE 1/8 INCH TO1/4 INCH FROM TOP OF PAVEMENT.
2. D = 3/4 INCH TO 1 1/8 INCHES.
3. INITIAL SAWCUT 1/8" WIDE OR INSERT

A8 JOINT SEALANT DETAILS
C800 NTS



NOTES:
FLAGPOLE SHALL BE ALUMINUM, SATIN FINISH MINIMUM 0.156" THICK, MIN. 6" DIAM. @ BASE AND TAPERED
TRUCK SHALL ALUMINUM & REVOLVE 360-DEGREES
CLEAT SHALL BE ALUMINUM
INTERNAL HALYARD
PROVIDE GOLD ANODIZED BALL FINIAL

FLAG SHALL BE 5' X 8' 200 DENIER EMBROIDERED NYLON WITH UV PROTECTION

BOTH PRODUCTS MUST BE MANUFACTURED IN THE USA

A5 FLAGPOLE
C800 NTS

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COMMONWEALTH OF VIRGINIA
Patrick J. McPartland
Lic. No. 0402058735
10 MAR 22
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ARLINGTON, VA 22201

Jacobs

DCCA ADM

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA,GA

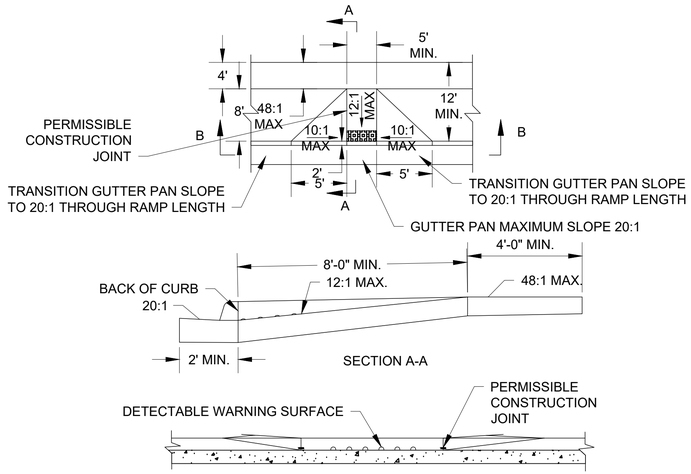
WARRENTON ADMINISTRATIVE BUILDING

SITE DETAILS

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY P. McPARTLAND
DRAWN BY P. McPARTLAND
CHECKED BY D. TIRONA
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D- ADM - C800 REV.



NOTES:

1. THE REQUIRED LENGTH OF A PARALLEL RAMP IS LIMITED TO 15 FEET, REGARDLESS OF THE SLOPE.
2. GUTTER PAN SHALL BE A MAXIMUM SLOPE OF 20:1 AT THE RAMP OPENING.
3. DIAGONAL PLACEMENT IS NOT PERMITTED.

E8 TYPE A - PERPENDICULAR CURB RAMP

C801 NTS

VDOT ROAD AND BRIDGE STANDARDS 2016
STANDARD CG-12

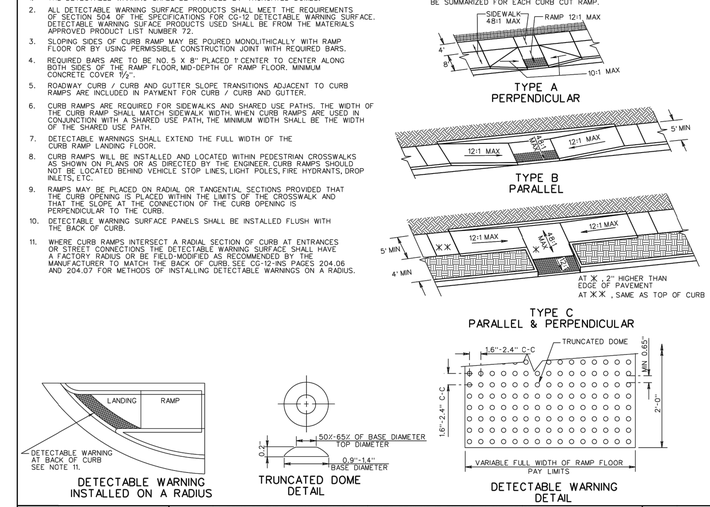
2016 ROAD & BRIDGE STANDARDS

CG-12

GENERAL NOTES:

1. THE DETECTABLE WARNING SHALL BE PROVIDED BY TRUNCATED DOMES.
2. ALL DETECTABLE WARNING SURFACE PRODUCTS SHALL MEET THE REQUIREMENTS OF SECTION 504 OF THE SPECIFICATIONS FOR CG-12 DETECTABLE WARNING SURFACE. DETECTABLE WARNING SURFACE PRODUCTS USED SHALL BE FROM THE MATERIALS APPROVED PRODUCT LIST NUMBER 72.
3. SLOPING SIDES OF CURB RAMP MAY BE POURED MONOLITHICALLY WITH RAMP FLOOR OR BY USING PERMISSIBLE CONSTRUCTION JOINT WITH REQUIRED BARS.
4. REQUIRED BARS ARE TO BE NO.5 X 8" PLACED 1" CENTER TO CENTER ALONG BOTH SIDES OF THE RAMP FLOOR, MID-DEPTH OF RAMP FLOOR. MINIMUM CONCRETE COVER 1½".
5. ROADWAY CURB / CURB AND GUTTER SLOPE TRANSITIONS ADJACENT TO CURB RAMPS ARE INCLUDED IN PAYMENT FOR CURB / CURB AND GUTTER.
6. CURB RAMPS ARE REQUIRED FOR SIDEWALKS AND SHARED USE PATHS. THE WIDTH OF THE CURB RAMP SHALL MATCH SIDEWALK WIDTH WHEN CURB RAMPS ARE USED IN CONJUNCTION WITH A SHARED USE PATH, THE MINIMUM WIDTH SHALL BE THE WIDTH OF THE SHARED USE PATH.
7. DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP LANDING FLOOR.
8. CURB RAMPS WILL BE INSTALLED AND LOCATED WITHIN PEDESTRIAN CROSSWALKS AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER. CURB RAMPS SHOULD NOT BE LOCATED BEHIND VEHICLE STOP LINES, LIGHT POLES, FIRE HYDRANTS, DROP INLETS, ETC.
9. RAMPS MAY BE PLACED ON RADIAL OR TANGENTIAL SECTIONS PROVIDED THAT THE CURB OPENING IS PLACED WITHIN THE LIMITS OF THE CROSSWALK AND THAT THE SLOPE AT THE CONNECTION OF THE CURB OPENING IS PERPENDICULAR TO THE CURB.
10. DETECTABLE WARNING SURFACE PANELS SHALL BE INSTALLED FLUSH WITH THE BACK OF CURB.
11. WHERE CURB RAMPS INTERSECT A RADIAL SECTION OF CURB AT ENTRANCES OR STREET CONNECTIONS THE DETECTABLE WARNING SURFACE SHALL HAVE A FACTORY RADIUS OR BE FIELD-MODIFIED AS RECOMMENDED BY THE MANUFACTURER TO MATCH THE BACK OF CURB. SEE CG-12-INS PAGES 204.06 AND 204.07 FOR METHODS OF INSTALLING DETECTABLE WARNINGS ON A RADIUS.

NOTE: COMPONENTS OF CURB RAMPS CONSIST OF THE FOLLOWING:
HYDRAULIC CEMENT SIDEWALK (DEPTH IN INCHES, AREA IN SQUARE YARDS)
CURB WHEN REQUIRED (CG-2 OR CG-3 IN LINEAR FEET)
DETECTABLE WARNING SURFACE (AREA IN SQUARE YARDS)
EACH OF THE ABOVE ITEMS IS A SEPARATE PAY ITEM AND SHOULD BE SUMMARIZED FOR EACH CURB CUT RAMP.



VDOT ROAD AND BRIDGE STANDARDS	A COPY OF THE ORIGINAL SEALED AND SIGNED DRAWING IS ON FILE IN THE CENTRAL OFFICE.	SPECIFICATION REFERENCE
SHEET 1 OF 5 / 204.01 — REVISION DATE 04/19	CG-12 DETECTABLE WARNING SURFACE (GENERAL NOTES) — VIRGINIA DEPARTMENT OF TRANSPORTATION	105, 502, 504

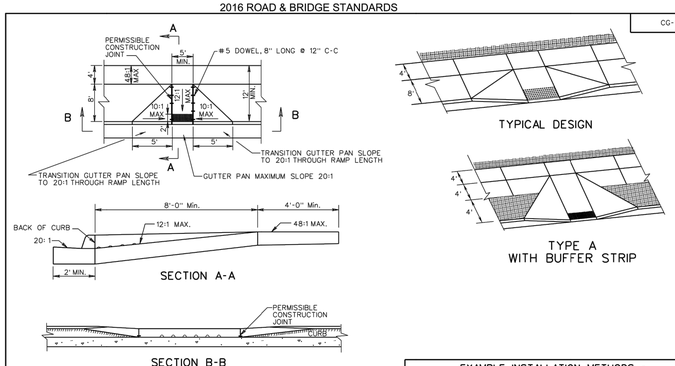
2016 ROAD & BRIDGE STANDARDS

E5 DETECTABLE WARNING SURFACE DETAILS

C801 NTS

2016 ROAD & BRIDGE STANDARDS

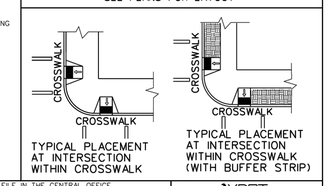
CG-12



NOTES:

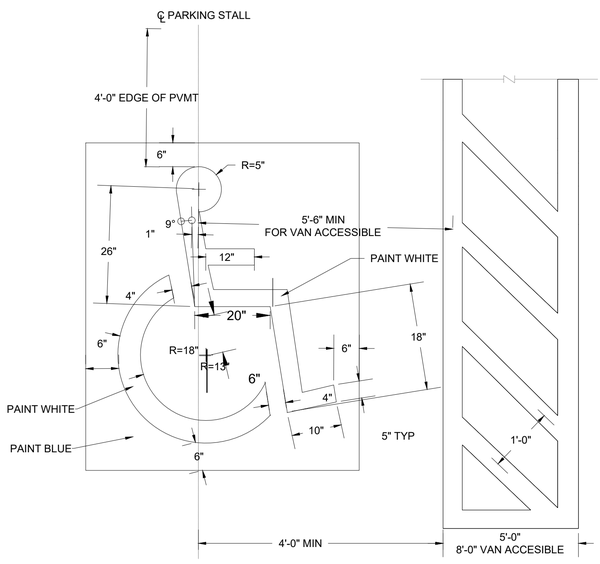
1. FOR GENERAL NOTES ON THE DETECTABLE WARNING SURFACE, SEE SHEET 1 OF 5.
2. THIS DESIGN TO BE USED FOR CONSTRUCTION THAT INCORPORATES WIDER SIDEWALK. LANDING (4' WIDE) REQUIRED AT TOP OF CURB RAMP. MINIMUM CURB RAMP LENGTH 8 FEET FOR NEW CONSTRUCTION.
3. GUTTER PAN SHALL BE A MAXIMUM SLOPE OF 20:1 AT THE RAMP OPENING.
4. DIAGONAL PLACEMENT IS NOT PERMITTED.

EXAMPLE INSTALLATION METHODS - SEE PLANS FOR LAYOUT



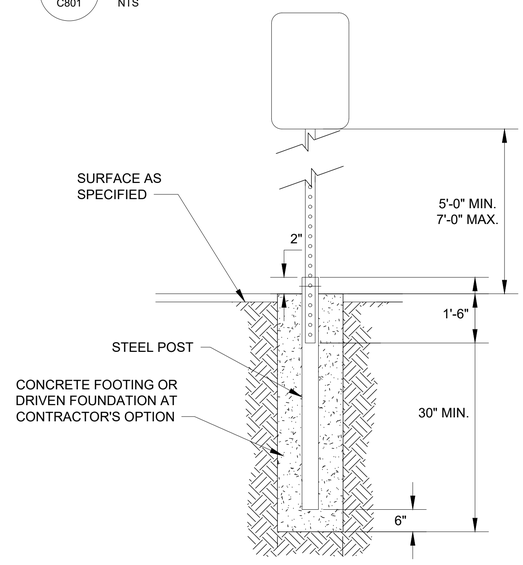
SPECIFICATION REFERENCE	A COPY OF THE ORIGINAL SEALED AND SIGNED DRAWING IS ON FILE IN THE CENTRAL OFFICE.	VDOT ROAD AND BRIDGE STANDARDS
105, 502, 504	CG-12 DETECTABLE WARNING SURFACE — TYPE A (PERPENDICULAR) APPLICATION — VIRGINIA DEPARTMENT OF TRANSPORTATION	REVISION DATE 04/19 — SHEET 2 OF 5 — 204.02

2016 ROAD & BRIDGE STANDARDS



B8 HANDICAP PARKING STRIPING

C801 NTS



B5 PARKING SIGN BASE

C801 NTS

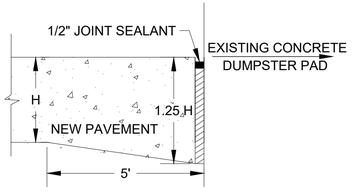
NOTE: SIGNS MUST CONFORM WITH CURRENT STATE AND LOCAL REGULATIONS

MUTCD: R7-8P

MUTCD: R7-8

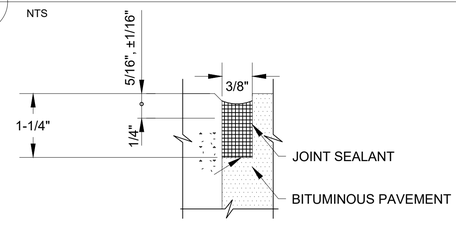
C3 HANDICAP PARKING SIGNS

C801 NTS



A8 EXPANSION JOINT AT STRUCTURE

C801 NTS



A5 CONCRETE/ASPHALT JOINT DETAILS

C801 NTS

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA,GA

WARRENTON ADMINISTRATIVE BUILDING

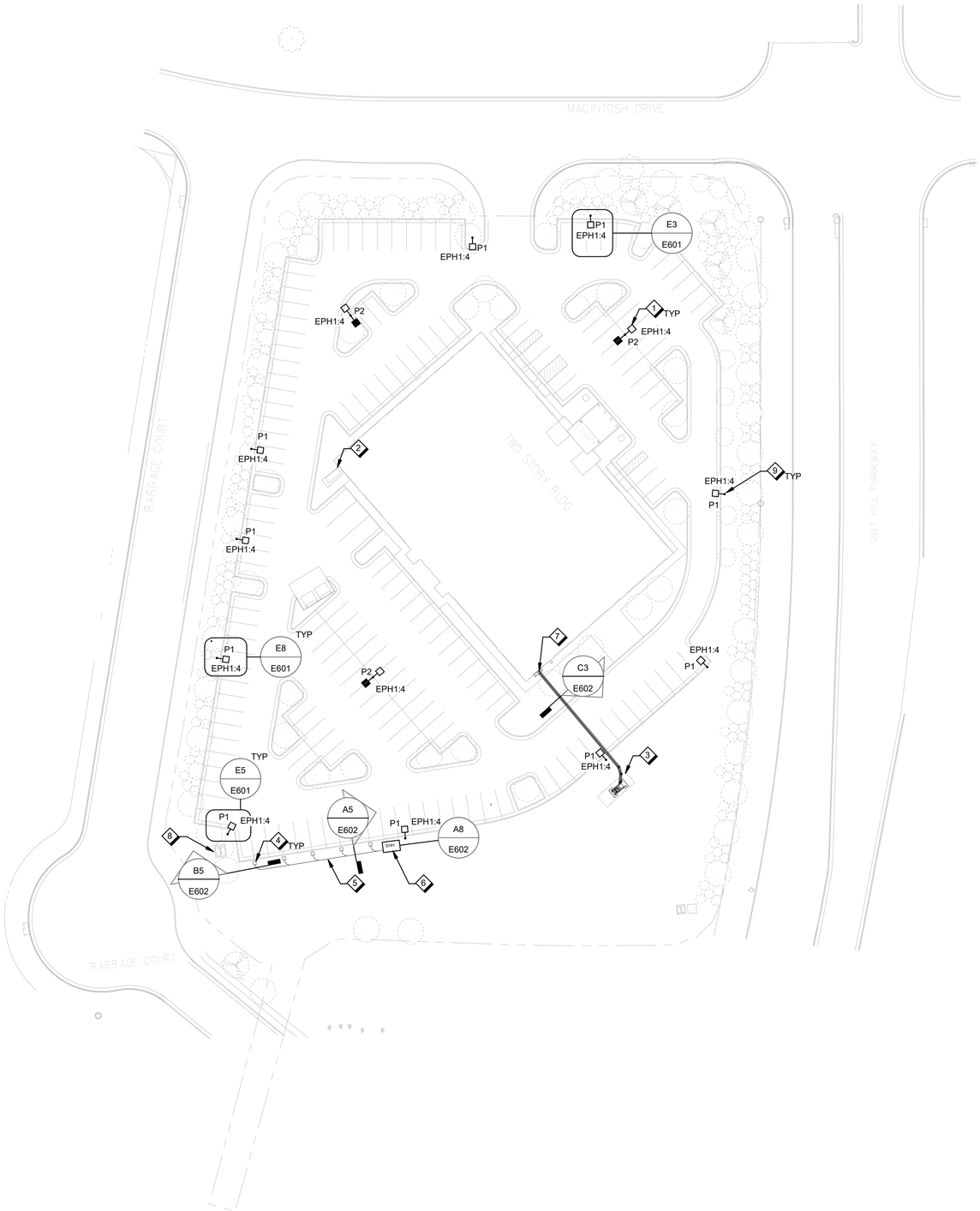
SITE DETAILS

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM

DESIGNED BY P. McPARTLAND
DRAWN BY P. McPARTLAND
CHECKED BY D. TIRONA
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D- ADM - C801
REV.



A8 ELECTRICAL SITE PLAN

C900

1" = 40'-0"

N

KEY NORTH

GENERAL SHEET NOTES

A. DRAWING IS DEVELOPED BASED ON AS BUILT DRAWINGS PROVIDED. VERIFY EXISTING CONDITION, INCLUDING BUT NOT LIMITED TO, FIXTURE LOCATION, CIRCUITING AND WIRING, AND LIGHTING CONTROL SYSTEM, PRIOR TO NEW WORK.

B. EXISTING CONTROL SYSTEM TO REMAIN IN PLACE. VERIFY EXISTING LIGHTING CONTROL SYSTEM TO ENSURE RATING IS ADEQUATE AND COMPATIBLE TO THE NEW FIXTURE.

C. REFER TO LIGHTING FIXTURE SCHEDULE, DRAWING E551, FOR FIXTURE TYPE.

SHEET NOTES

1 RECONNECT EXISTING CONDUIT AND WIRING TO NEW LED FIXTURES.

2 EXISTING GENERATOR TO BE REMOVED AND DEMOLISHED. PATCH AND REPAIR THE DAMAGE CAUSED BY THE ELECTRICAL DEMOLITION. REFER TO SITE CIVIL PLANS FOR EXACT LOCATION.

3 NEW GENERATOR LOCATION. REFER TO SITE CIVIL PLANS FOR EXACT LOCATION AND MOUNTING PAD DETAIL.

4 FUTURE ELECTRIC VEHICLE CHARGING STATION.

5 PROVIDE EMPTY CONDUIT DUCTBANK FOR FUTURE EV CHARGING STATIONS. COORDINATE CONDUIT RACEWAY REQUIREMENTS WITH COR. PATHWAY INDICATED ON THE DRAWING IS CONCEPTUAL. FIELD VERIFY EXACT PATHWAY ROUTING. EACH CHARGING STATION WILL FEED TWO EVs. PROVIDE CONDUIT FEEDS TO SUPPORT 5 CHARGING STATION PEDESTALS.

6 PROVIDE ELECTRIC HANDHOLE FOR FUTURE EV CHARGING STATION CONDUCTOR INSTALLATION. FIELD VERIFY EXACT LOCATION OF HANDHOLE AND EV CHARGING STATION ROUGH-IN LOCATIONS WITH THE COR. COORDINATE FUTURE EV CHARGING STATION REQUIREMENTS WITH THE COR.

7 REFER TO DRAWING E120 FOR CONDUIT RUN CONTINUATION.

8 EXISTING UTILITY TRANSFORMER.

9 REFER TO DRAWING E605 FOR EXTERIOR POLE LIGHTING CONTROLS ZONE SCHEDULE.

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COMMONWEALTH OF VIRGINIA
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Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ELECTRICAL SITE PLAN

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - C900
REV.

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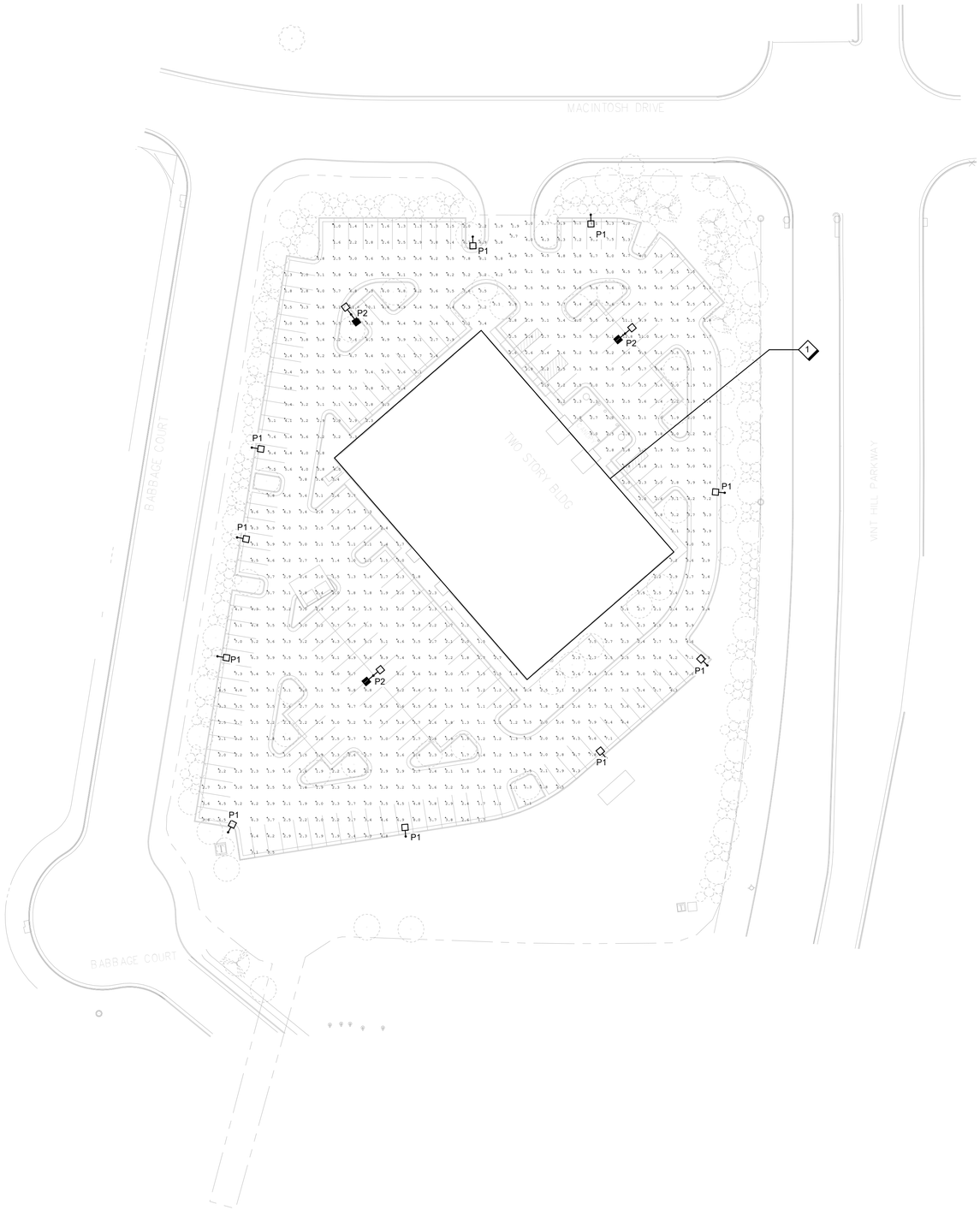

EXTERIOR LIGHTING CALCULATIONS TABULAR SUMMARY

AREA	TYPE	UNITS	AVG.	MAX.	MIN.	AVG/MIN	MAX/MIN
NORTHEAST PARKING LOT	ILLUMINANCE	FC	3.85	12.8	1.1	3.50	11.64
NORTHWEST PARKING LOT	ILLUMINANCE	FC	4.04	12.0	1.0	4.04	12.00
SOUTHEAST PARKING LOT	ILLUMINANCE	FC	3.03	8.3	1.1	2.75	7.55
SOUTHWEST PARKING LOT	ILLUMINANCE	FC	3.05	9.8	1.0	3.05	9.80

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B. EXISTING CONTROL SYSTEM TO REMAIN IN PLACE. VERIFY EXISTING LIGHTING CONTROL SYSTEM TO ENSURE RATING IS ADEQUATE AND COMPATIBLE TO THE NEW FIXTURE.

C. REFER TO LIGHTING FIXTURE SCHEDULE, DRAWING E551, FOR FIXTURE TYPE.

SHEET NOTES

1 FOOT-CANDLE ILLUMINANCE POINTS SHOWN AROUND BUILDING INCLUDE THE WALLPACK LUMENS. REFER TO FIRST FLOOR LIGHTING DRAWINGS E100 AND E101 FOR WALLPACK FIXTURE LOCATIONS.

A8 / C910 **PARKING LOT LIGHTING CALCULATION**

1" = 40'-0"

KEY NORTH

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WARRENTON ADMINISTRATIVE BUILDING

PARKING LOT LIGHTING CALCULATION

WARRENTON — DCCA ADM — VA

COMMONWEALTH OF VIRGINIA
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DCCA ADM
WARRENTON, VA

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DESIGNED BY M. BECKER
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ISSUED BY: ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 | JCN: 21001763

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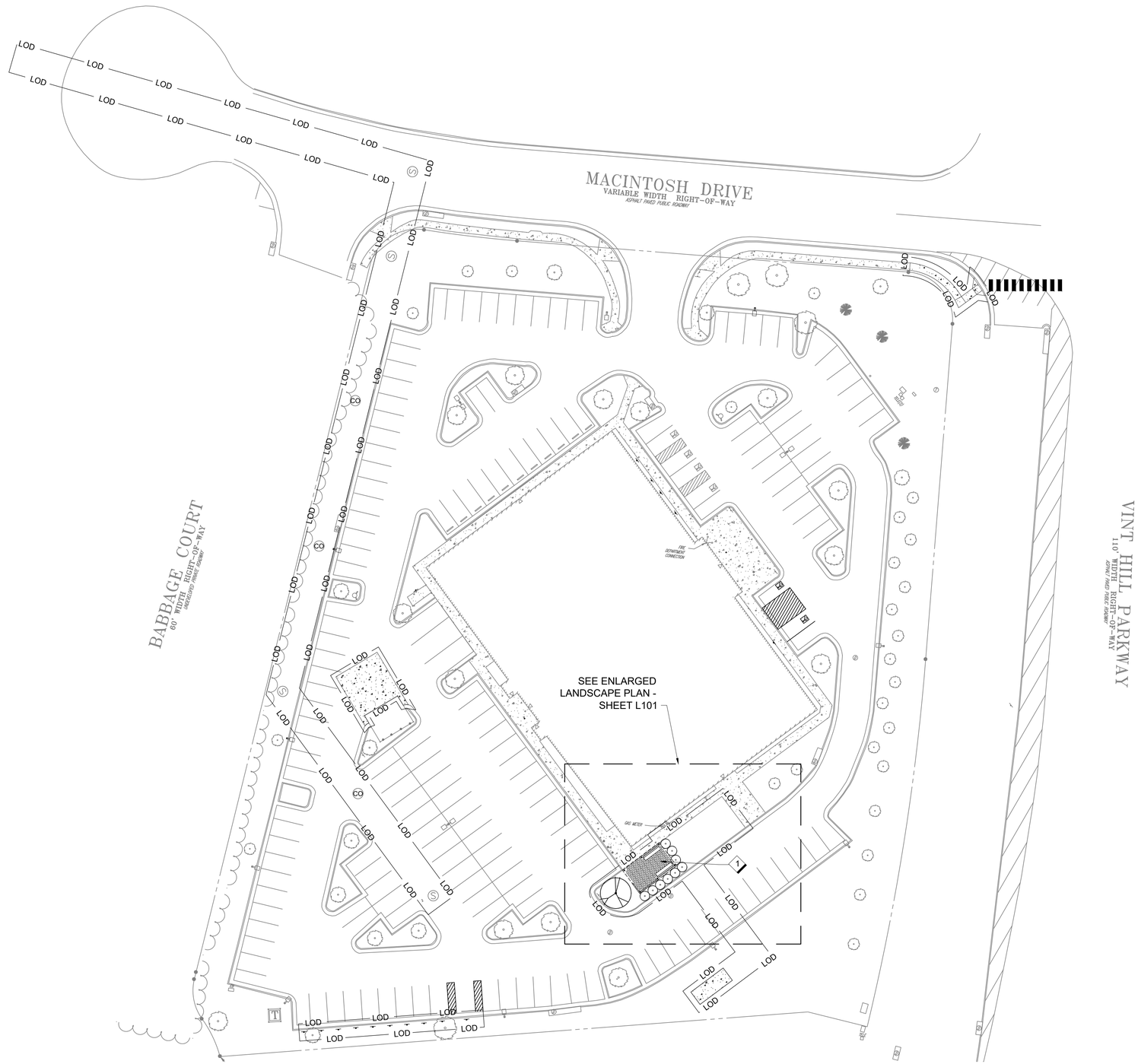

A8
L100

OVERALL LANDSCAPE PLAN

1" = 30'

0 15 30 60 FEET
Scale: 1 INCH = 30 FEET

N

GENERAL SHEET NOTES

A. ALL UTILITIES, UNLESS STATED OTHERWISE, SHALL BE PROTECTED DURING CONSTRUCTION.

B. LANDSCAPING SHALL NOT INTERFERE WITH SECURITY OBSERVATIONS.

C. ALL LANDSCAPING SHALL CONFORM TO FAUQUIER COUNTY REQUIREMENTS.

SHEET NOTES

1. OUTDOOR PAVILION AREA. SEE L101 FOR ENLARGED LANDSCAPE PLANS.

LEGEND

— LOD —	LIMIT OF DISTURBANCE
	PAVERS
	CANOPY TREE
	SHRUB

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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA,GA

WARRENTON ADMINISTRATIVE BUILDING

OVERALL LANDSCAPE PLAN

WARRENTON — DCCA ADM — VA

Jacobs

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM

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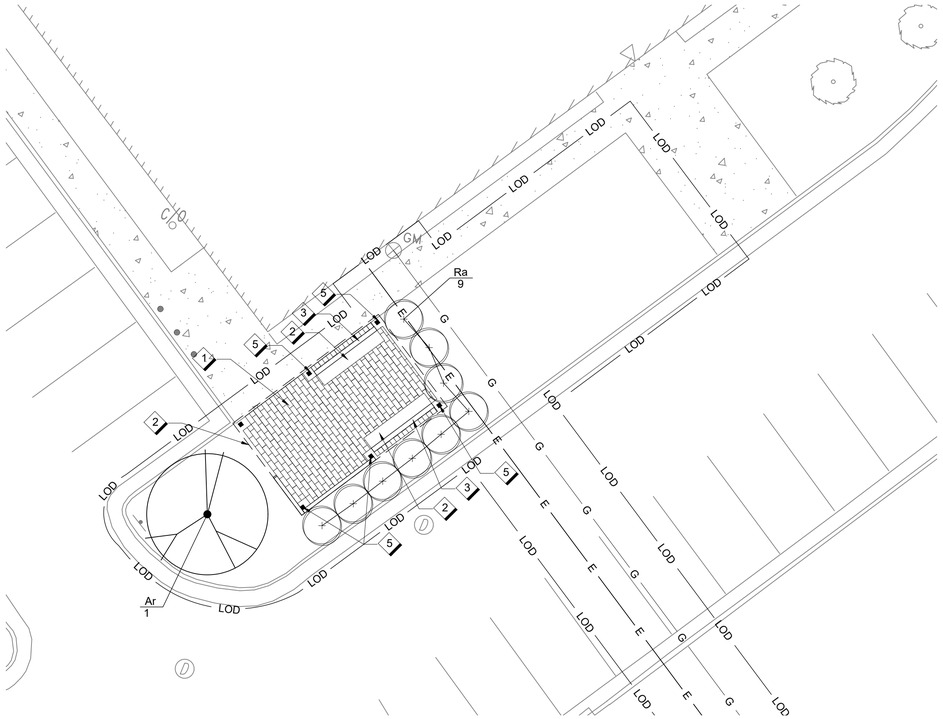
DRAWN BY	S. GULL	DATE 03/11/2022	JCN: 21001763
CHECKED BY	D. TIRONA	DRAWING NO. DCCA - D- ADM - L100	REV.



D8 ENLARGED LANDSCAPE PLAN

C201 1" = 10'

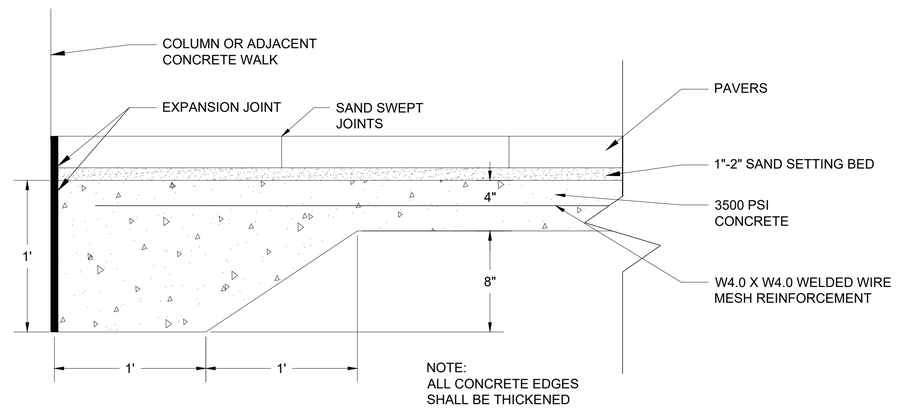
0 5 10 20 FEET
Scale: 1 INCH = 10 FEET

N

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE
Ar	1	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	3" CAL. MIN.
Ra	9	RHUS AROMATICA 'GROW LOW'	FRAGRANT SUMAC	30" HT. MIN.

G5 PLANT SCHEDULE

L101 NTS



D5 PAVER

L101 NTS

GENERAL SHEET NOTES

A. ALL UTILITIES, UNLESS STATED OTHERWISE, SHALL BE PROTECTED DURING CONSTRUCTION.

B. LANDSCAPING SHALL NOT INTERFERE WITH SECURITY OBSERVATIONS.

C. ALL LANDSCAPING SHALL CONFORM TO FAUQUIER COUNTY REQUIREMENTS.

SHEET NOTES

1. PAVERS
2. BENCH
3. PLANTER
4. PAVILION ROOF. SEE ARCHITECTURAL AND STRUCTURAL PLANS.
5. PAVILION ROOF COLUMNS. SEE ARCHITECTURAL AND STRUCTURAL PLANS.

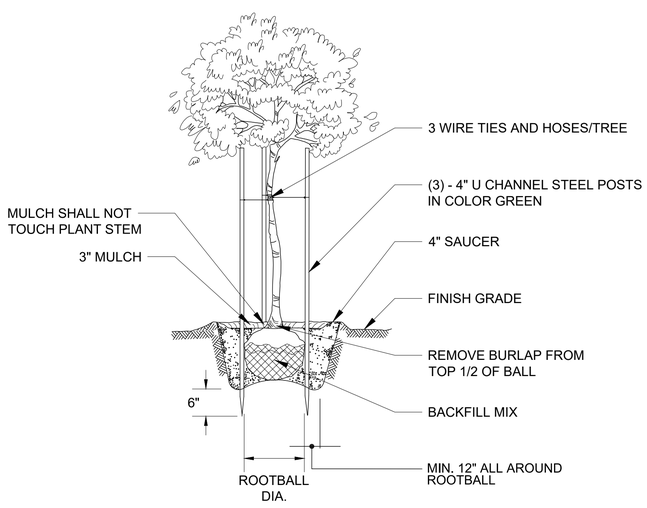
LEGEND

— LOD — LIMIT OF DISTURBANCE

PAVERS

CANOPY TREE

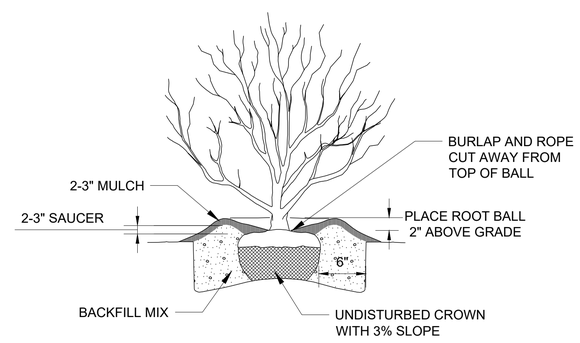
SHRUB



A8 DECIDUOUS TREE PLANTING

L101 NTS

PLANTING NOTE: CONTRACTOR SHALL INSTALL ALL PLANTS SO THAT TOP OF ROOT BALL/BASE OF STEM IS A MINIMUM OF 2" ABOVE EXISTING GRADE.



A6 SHRUB PLANTING

L101 NTS

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SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA,GA

WARRENTON ADMINISTRATIVE BUILDING

ENLARGED LANDSCAPE PLAN AND DETAILS

WARRENTON — DCCA ADM — VA

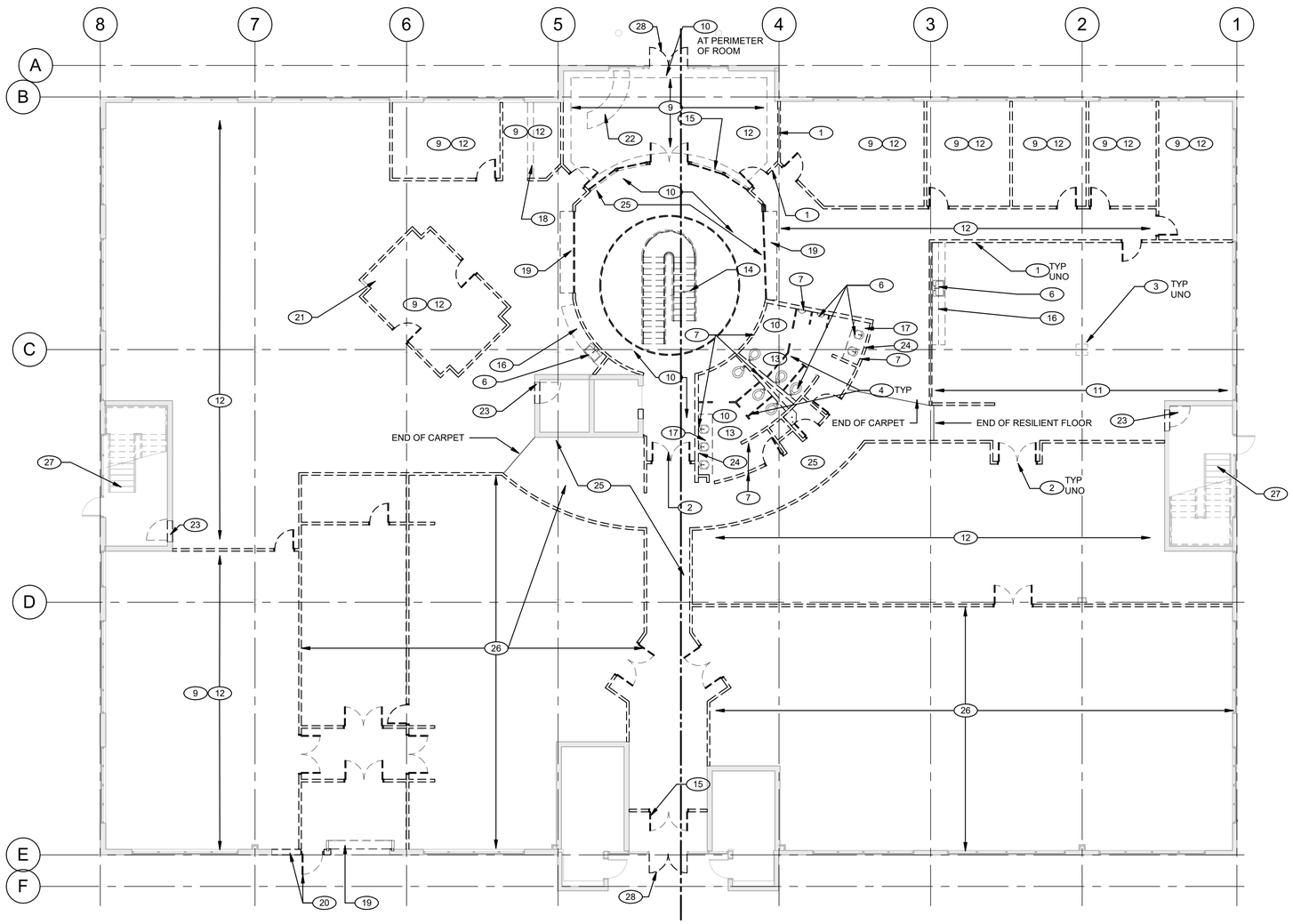
REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM

DESIGNED BY D. DEBLE
DRAWN BY S. GULL
CHECKED BY D. TIRONA

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D- ADM - L101 REV.



B8 / D110 DEMOLITION - FIRST FLOOR PLAN

3/32" = 1'-0"

DEMOLITION GENERAL NOTES

A. PROVIDE TEMPORARY SAFEGUARDS AS REQUIRED TO PROTECT EXISTING FINISHES AND EQUIPMENT TO REMAIN FROM DAMAGE DURING THE WORK.

B. INSPECT AND ASSESS EACH AREA TO FULFILL THE INTENT OF THE WORK INDICATED AS PART OF THE WORK. VERIFY CONDITIONS WITHIN THE CONTRACT LIMITS. DEVIATIONS NECESSITATED BY FIELD CONDITIONS MUST BE BROUGHT TO THE ATTENTION OF THE COR PRIOR TO PROCEEDING WITH THE WORK.

C. WHERE EXISTING ASSEMBLIES, NOT LIMITED TO EXTERIOR WALLS, WINDOW ASSEMBLIES, DOOR ASSEMBLIES, & INTERIOR PARTITIONS AS INDICATED, ARE TO REMAIN, PROTECT EXISTING ASSEMBLIES FROM DAMAGE AS A RESULT OF THE WORK.

D. WHERE EXISTING CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO, PARTITIONS, FLOORS AND BASES, DOOR AND WINDOW FRAMES, CEILINGS, CASEWORK, EQUIPMENT, ELECTRICAL AND MECHANICAL DEVICES, FIXTURES AND EQUIPMENT, IS REMOVED OR ALTERED, REPAIR ADJACENT SURFACES DISTURBED BY THE WORK AND PREPARE THESE SURFACES TO RECEIVE NEW SCHEDULED FINISHES. REPAIRS TO SURFACES DEEMED BY COR TO BE UNSATISFACTORY FOR THE PURPOSE MUST BE REMOVED AND REPLACED IN KIND.

E. PENETRATIONS, INCLUDING ABANDONED PENETRATIONS IN FIRE RATED ASSEMBLIES AS A RESULT OF THE WORK MUST BE REPAIRED IN A MANNER CONSISTENT WITH THE ADJACENT UL RATED CONSTRUCTION AND BE ACCEPTABLE TO THE COR.

F. REPAIRS TO FIRE, SMOKE OR ACOUSTICALLY RATED WALLS, FLOORS OR CEILINGS MUST BE MADE WITH MATERIALS APPROPRIATE TO ACHIEVE THE SAME RATING AS THE EXISTING. COORDINATE WITH THE COR.

G. MECHANICAL AND ELECTRICAL DEMOLITION IN FINISHED SPACES MUST BE REMOVED SUCH THAT EXISTING TERMINATIONS WILL BE CONCEALED BEHIND THE FINISHED WORK.

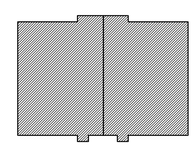
H. REFER TO STRUCTURAL AND PLUMBING FOR ADDITIONAL PLUMBING FIXTURE REMOVAL INFORMATION. REFER TO STRCTURAL EXTENT OF SLAB ON GRADE REMOVAL.

I. REMOVE WINDOWS BLINDS FROM WINDOWS

J. REMOVE AND REPLAIN FIRE EXTINGUISHERS AND HAND OVER TO COR.

DEMOLITION SHEET NOTES

1. REMOVE GWB AND METAL STUD PARTITION.
2. REMOVE HM DOOR/FRAME AND HARDWARE.
3. REMOVE FURRED PARTITION AROUND EXISTING STEEL COLUMN.
4. REMOVE TOILET PARTITIONS.
5. REMOVE GWB AND METAL STUD CHASE WALL WITH CERAMIC TILE
6. PLUMBING FIXTURES, REFER TO PLUMBING.
7. REMOVE GWB AND METAL STUD WALL WITH CERAMIC TILE FINISH
8. REMOVE SHAFT PARTITIONS (SECOND FLOOR ONLY)
9. REMOVE ACOUSTICAL PANEL CEILING SYSTEM AND CEILING MOUNTED DEVICES
10. REMOVE GWB CEILING SYSTEM
11. REMOVE RESILIENT FLOOR FINISH AND ADHESIVES.
12. REMOVE CARPET AND ADHESIVES.
13. REMOVE CERAMIC TILE FLOOR SYSTEM AND GROUT IN TOILET ROOMS.
14. REMOVE METAL FRAMED CONVENIENCE STAIR, GUARDRAIL/HANDRAIL AND STRUCTURAL SUPPORTS.
15. REMOVE INTERIOR STOREFRONT AND STOREFRONT DOORS.
16. REMOVE PLASTIC LAMINATE CLAD BASE AND WALL CABINETS.
17. REMOVE SOLID SURFACE COUNTERTOP AND BACKSPLASH.
18. REMOVE PLASTIC LAMINATE CLAD MILLWORK MAILBOXES AND KNEE WALL
19. REMOVE THE OVERHEAD DOOR AND SUPPORTING COMPONENTS OF THE OVERHEAD DOOR IN THEIR ENTIRETY.
20. REMOVE EXTERIOR HOLLOW METAL DOOR AND FRAME AND CONCRETE WALL
21. REMOVE WOOD PANEL CLAD GWB PARTITIONS.
22. REMOVE MILLWORK RECEPTION DESK
23. REMOVE HM DOOR AND FRAME AND DOOR HARDWARE
24. REMOVE MIRROR
25. STAINED CONCRETE FLOOR REMAINS
26. FLOOR AND STRUCTURAL DECK REMAIN AS IS IN ROOMS WITH NO FLOOR OR CEILING FINISH NOTE - EXPOSED TO STRUCTURE CEILING AND CONCRETE STAINED FLOOR
27. EXISTING STAIR REMAINS - PROTECT EXISTING FINISHES
28. REMOVE EXTERIOR STOREFRONT ENTRY DOORS



PARTS PLAN

8 0 8 16 24

Scale: 3/32 INCH = 1 FOOT

N

KEY NORTH

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND

03.11.2022

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

DEMOLITION - FIRST FLOOR PLAN

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY

SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS

ISSUED BY: ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 | JCN: 21001763

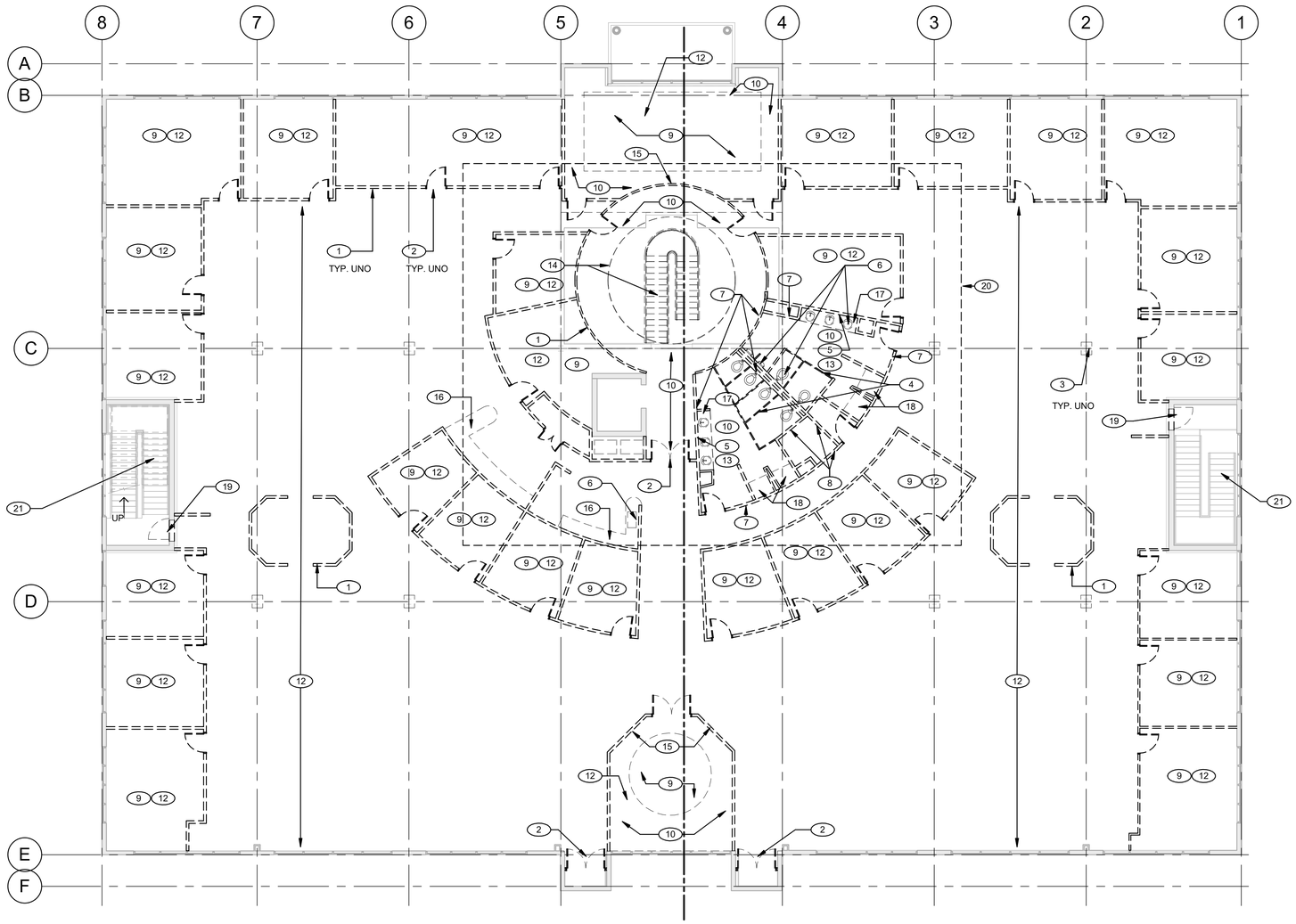
DRAWING NO. DCCA - D - ADM - D110 | REV.

DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 3/9/2022 1:03:20 PM

GENERAL SHEET NOTES

A. REFER TO D110 FOR DEMOLITION GENERAL NOTES.

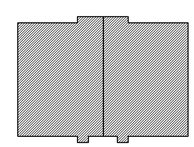


DEMOLITION SHEET NOTES

1. REMOVE GWB AND METAL STUD PARTITION.
2. REMOVE DOOR ASSEMBLY IN PARTITION TO BE REMOVED.
3. REMOVE FURRED PARTITION AROUND EXISTING STEEL COLUMN.
4. REMOVE TOILET PARTITIONS.
5. REMOVE MIRROR
6. PLUMBING FIXTURES, REFER TO PLUMBING.
7. REMOVE GWB AND METAL STUD WALL WITH CERAMIC TILE FINISH OR MIRRORS
8. REMOVE SHAFT PARTITIONS (SECOND FLOOR ONLY)
9. REMOVE ACOUSTICAL PANEL CEILING SYSTEM AND CEILING MOUNTED DEVICES THROUGHOUT.
10. REMOVE GWB CEILING SYSTEM
11. REMOVE RESILIENT FLOORING AND ADHESIVES.
12. REMOVE CARPET AND ADHESIVES.
13. REMOVE CERAMIC TILE FLOOR SYSTEM AND GROUT IN TOILET ROOMS.
14. REMOVE METAL FRAMED CONVENIENCE STAIR, GUARDRAIL/HANDRAIL AND STRUCTURAL SUPPORTS.
15. REMOVE INTERIOR WINDOW IN GWB PARTITION.
16. REMOVE PLASTIC LAMINATE CLAD BASE AND/OR WALL CABINETS.
17. REMOVE SOLID SURFACE COUNTERTOP AND BACKSPLASH.
18. REMOVE SHOWER ENCLOSURE AND BASIN.
19. REMOVE HM DOOR AND FRAME AND DOOR HARDWARE
20. REFER TO STRUCTURAL FOR THE EXTENT OF FLOOR SLAB REMOVAL.
21. EXISTING STAIR REMAINS - PROTECT EXISTING FINISHES

B8 / D111 DEMOLITION - SECOND FLOOR PLAN

3/32" = 1'-0"



PARTS PLAN

Scale: 3/32 INCH = 1 FOOT

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LICENSED ARCHITECT No. 15412 ALAN N. FLORA STATE OF MARYLAND

03.11.2022

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

DEMOLITION - SECOND FLOOR PLAN

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY

SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763

DRAWING NO. DCCA - D - ADM - D111 REV.

DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 3/9/2022 1:03:26 PM

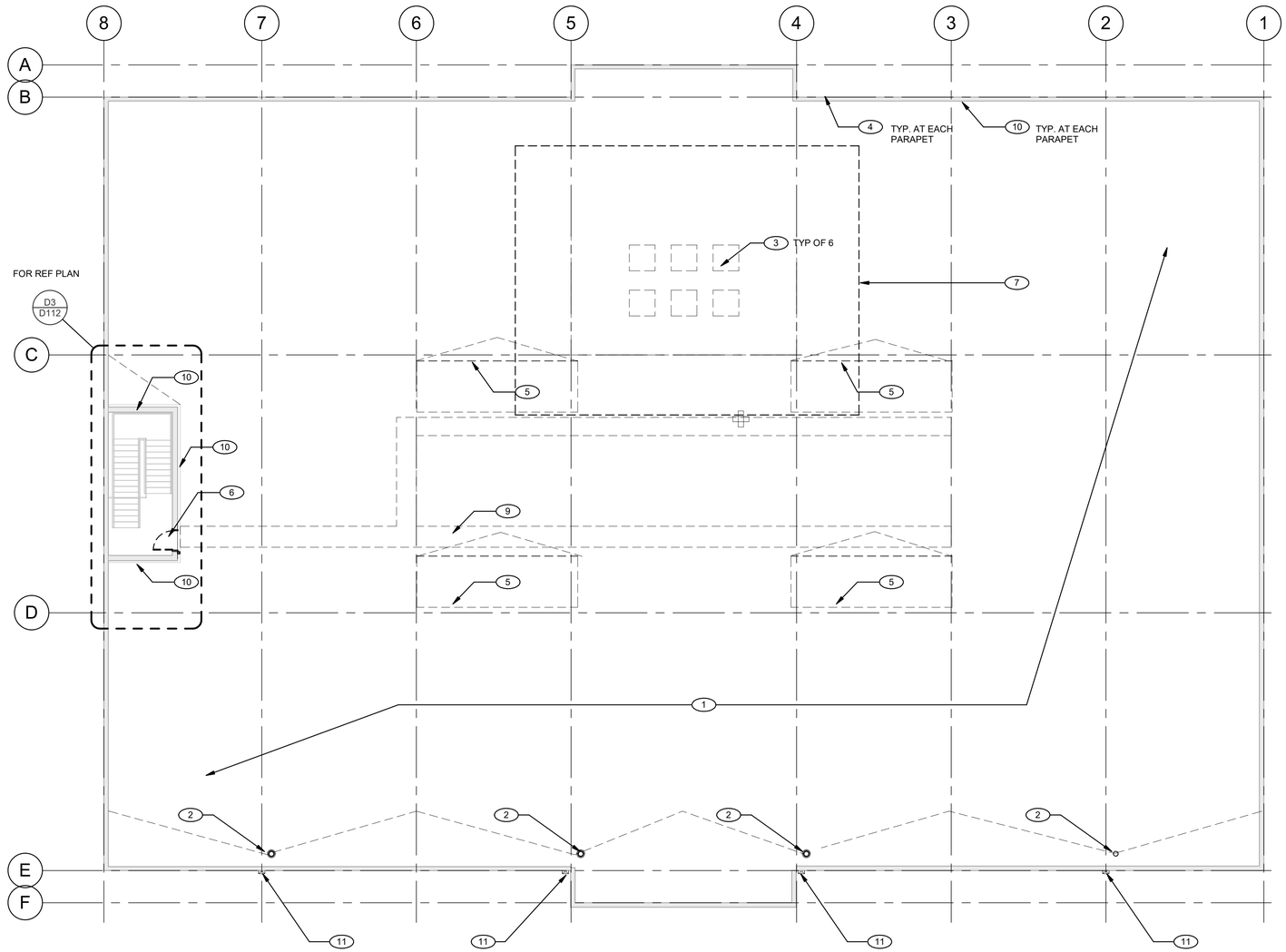
GENERAL SHEET NOTES

A. REFER TO D110 FOR DEMOLITION GENERAL NOTES.

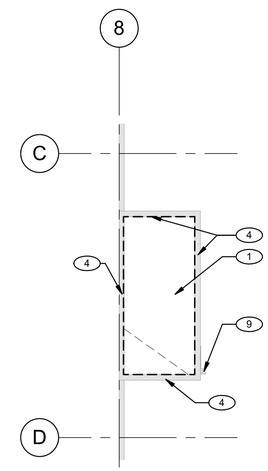
B. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DEMOLITION DRAWINGS FOR ADDITIONAL SCOPE TO BE REMOVED FROM ROOF.

DEMOLITION SHEET NOTES

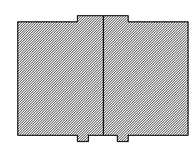
1. REMOVE SINGLE MEMBRANE ROOF SYSTEM DOWN TO THE STRUCTURAL METAL DECK AND REMOVE ROOF CRICKETS.
2. ROOF DRAINS - REFER TO PLUMBING
3. REMOVE SKYLIGHTS AND SKYLIGHT CURBS
4. REMOVE DECORATIVE FOAM COPING SYSTEM
5. MECHANICAL EQUIPMENT (RTU) – REFER TO MECHANICAL. CURB AT RTU TO BE REMOVED.
6. REMOVE HOLLOW METAL DOOR AND FRAME, AND HARDWARE.
7. REFER TO STRUCTURAL FOR EXTENT OF ROOF DECK AND ASSCOCIATED STRUCTURAL SUPPORTS TO BE REMOVED (WITHIN THE DASHED RECTANGLE).
8. EXISTING CONDUCTOR HEAD AND DOWNSPOUT TO REMAIN.
9. WALKWAY PADS TO BE REMOVED ALONG WITH THE ROOF SYSTEM.
10. REMOVE BASE FLASHING
11. EXISTING SCUPPER LOCATION TO BE RETAINED. REMOVE SCUPPER FLASHING AND MATERIAL IN ENTIRETY.



B8 D112 **DEMOLITION - ROOF PLAN**
3/32" = 1'-0"



D3 D112 **DEMOLITION - STAIR 1 ROOF PLAN**
3/32" = 1'-0"



PARTS PLAN

8 0 8 16 24
Scale: 3/32 INCH = 1 FOOT

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LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND
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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

DEMOLITION - ROOF PLANS

WARRENTON — DCCA ADM — VA

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DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
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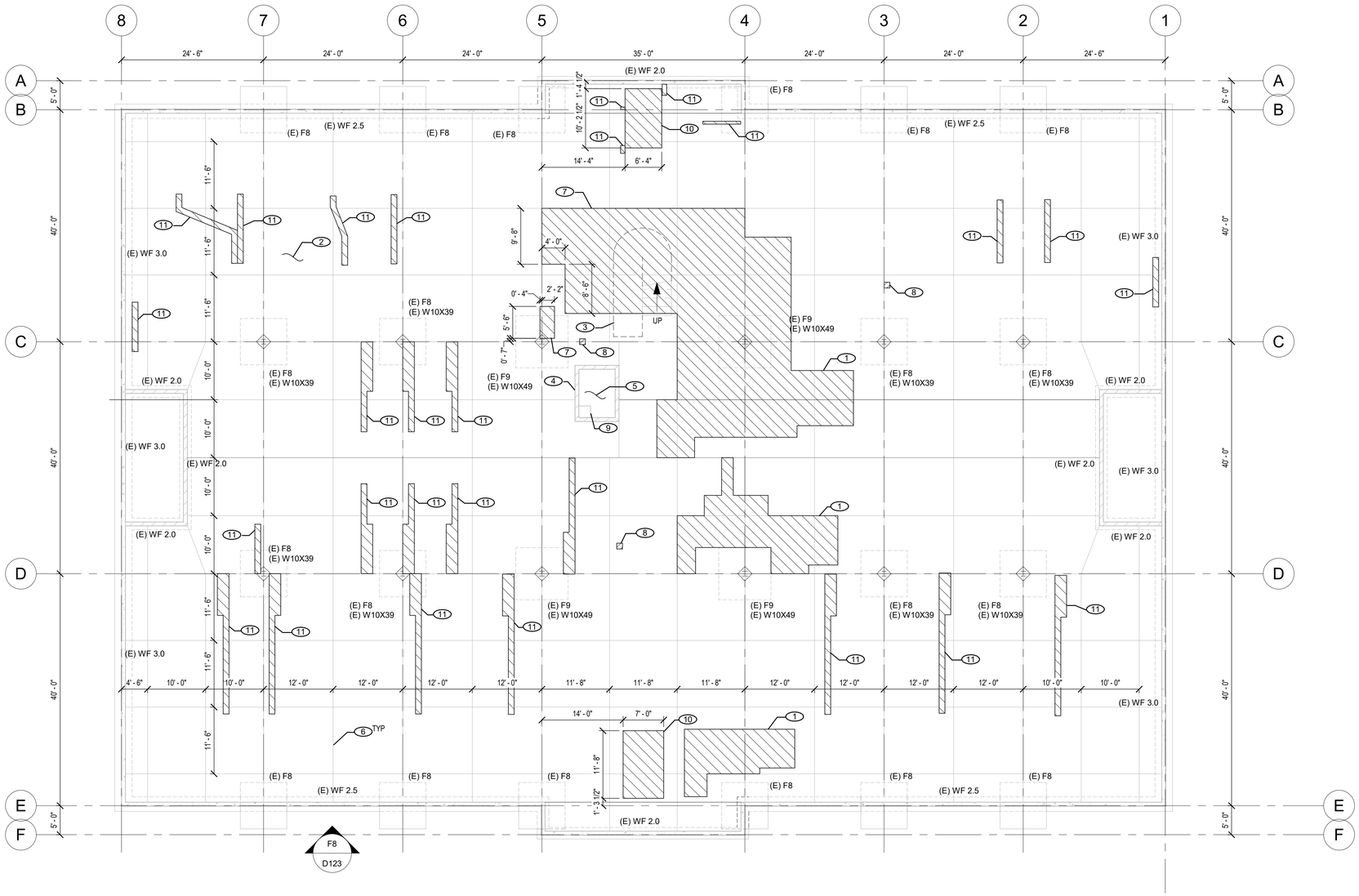


B8 STRUCTURAL FOUNDATION AND FIRST FLOOR DEMOLITION PLAN - OVERALL

D120 3/32" = 1'-0"

GENERAL SHEET NOTES

A. ELEVATIONS SHOWN FROM REFERENCE DATUM, UON

B. SEE S-001 AND S-002 FOR GENERAL NOTES AND ABBREVIATIONS.

C. COORDINATE EQUIPMENT AND COMPONENT'S DIMENSIONS WITH ARCH, MECH, ELEC, PLUMB, AND FP DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS.

D. TOP OF SLAB-ON-GROUND ELEVATION = 0' - 0"

E. TOP OF EXTERIOR FOOTING ELEVATION = [-1' - 6"], VERIFY IN FIELD

F. TOP OF INTERIOR FOOTING ELEVATION = [-1' - 0"], VERIFY IN FIELD

G. DO NOT REMOVE OR DAMAGE ANY PART OF SPREAD OR STRIP FOOTINGS

H. DO NOT EXCAVATE BELOW THE BOTTOM OF SPREAD OR STRIP FOOTINGS

I. MARKERS INDICATE EXISTING STRUCTURAL ELEMENTS AS FOLLOWS:

(E) FX = FOOTING
(E) CW = CONCRETE WALL
(E) WX = STEEL SHAPE
(E) WFX = WALL FOOTING
(E) MW = MASONRY WALL

EXISTING FOOTING SCHEDULE

FOOTING MARK	PLAN DIMENSION	THICKNESS
F8	8'-0" SQUARE	16"
F9	9'-0" SQUARE	20"
WF 2.0	2'-0" WIDE	18"
WF 2.5	2'-6" WIDE	18"
WF 3.0	3'-0" WIDE	18"

SHEET NOTES

1 SAWCUT AND REMOVE AREA OF EXISTING SLAB-ON-GROUND FOR PLACEMENT OF UNDERGROUND PIPES AS REQUIRED. REFER TO PLUMBING FOR LOCATIONS.

2 EXISTING 6" SLAB-ON-GROUND.

3 REMOVE EXISTING STAIRS.

4 EXISTING ELEVATOR SHAFT WALLS.

5 EXISTING ELEVATOR PIT SLAB-ON-GROUND EL = -4' - 0".

6 EXISTING SLAB-ON-GROUND CONTROL JOINT.

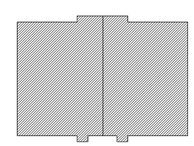
7 SAWCUT AND REMOVE AREA OF EXISTING SLAB-ON-GROUND FOR THICKENED SLAB UNDER STAIR BASE AND POSTS.

8 SAWCUT AND REMOVE NO GREATER THAN 1'-0" X 1'-0" AREA OF EXISTING SLAB-ON-GROUND FOR PIPE DEMOLITION. REFER TO PLUMBING FOR LOCATIONS.

9 EXISTING 2'-0" X 2'-0" SLAB DEPRESSION FOR SUMP PUMP EL = -6'-0", SEE PLUMBING.

10 SAWCUT AND REMOVE AREA OF EXISTING SLAB-ON-GROUND FOR DEPRESSED SLAB.

11 SAWCUT AND REMOVE AREA OF EXISTING SLAB-ON-GROUND FOR ELECTRICAL FLOOR BOXES AND CONDUITS. REFER TO ELECTRICAL FOR LOCATIONS.



PARTS PLAN

Scale: 3/32 INCH = 1 FOOT

KEY NORTH

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

STRUCTURAL FOUNDATION AND FIRST FLOOR DEMOLITION PLAN

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY C. MACKAIL
DRAWN BY C. MACKAIL
CHECKED BY C. DALY
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 01/21/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - D120 REV.

DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 4/13/2022 4:04:47 PM

GENERAL SHEET NOTES

A. ELEVATIONS SHOWN FROM REFERENCE DATUM, UON.

B. SEE S-001 AND S-002 FOR GENERAL NOTES AND ABBREVIATIONS.

C. COORDINATE EQUIPMENT AND COMPONENT'S DIMENSIONS WITH ARCH, MECH, ELEC, PLUMB, AND FP DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS.

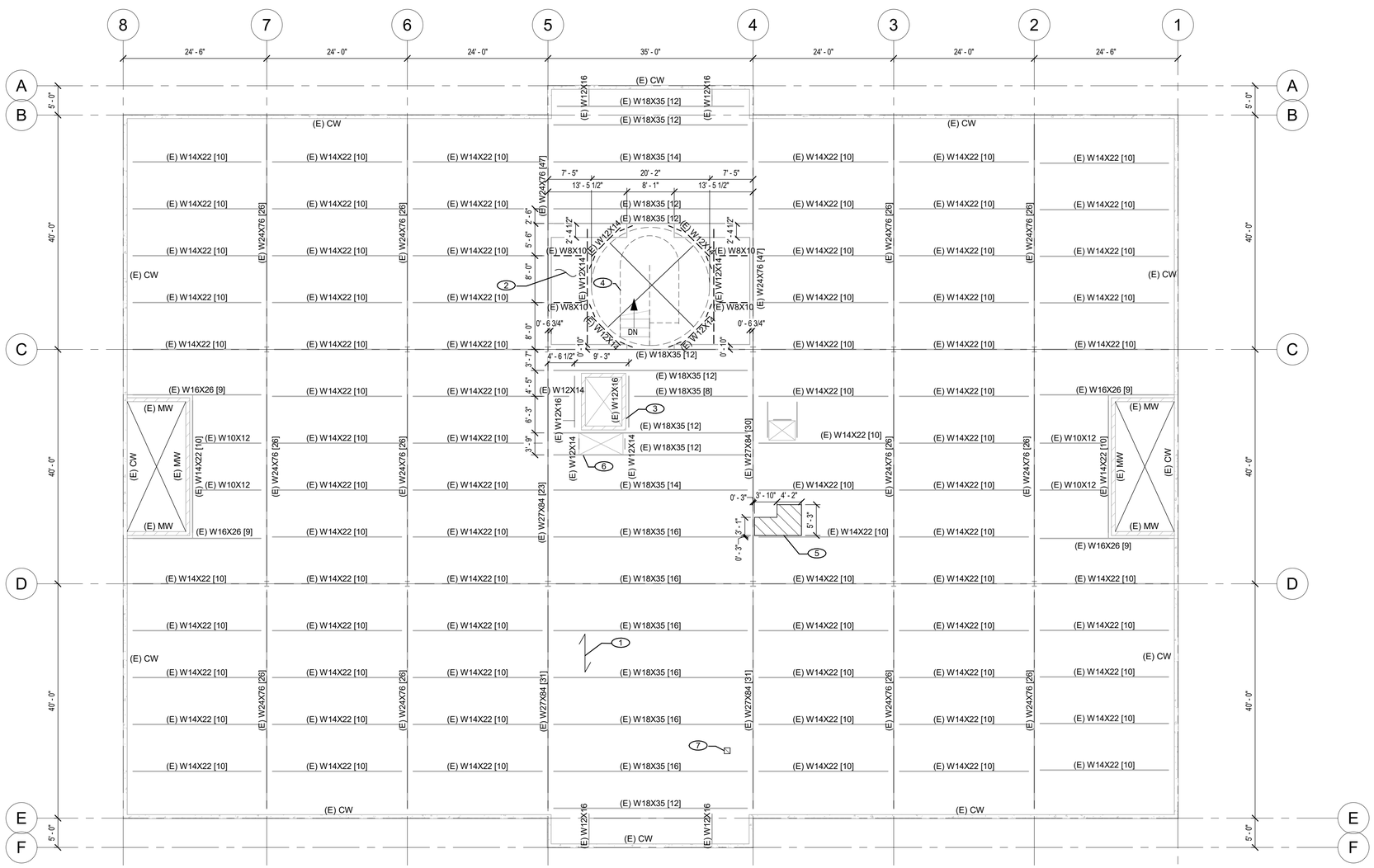
D. TOP OF STEEL ELEVATION = 14' - 7".

E. MARKERS INDICATE EXISTING STRUCTURAL ELEMENTS AS FOLLOWS:

(E) CW = CONCRETE WALL (E) MW = MASONRY WALL
(E) WX = STEEL SHAPE

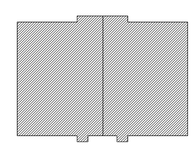
SHEET NOTES

1. EXISTING 2" CONCRETE ON 3" METAL DECK TO REMAIN.
2. REMOVE EXISTING CONCRETE FILLED METAL DECK, ENTIRE BEAMS, AND CONNECTIONS ENCLOSED WITHIN THE REGION.
3. EXISTING ELEVATOR SHAFT WALLS.
4. REMOVE EXISTING STAIRS.
5. REMOVE EXISTING CONCRETE FILLED METAL DECK.
6. EXISTING OPENING FOR MECHANICAL DUCTS TO REMAIN.
7. REMOVE EXISTING METAL DECK FOR DUCT OPENING, SEE MECHANICAL FOR PENETRATION LOCATION AND DIMENSIONS.



B8 STRUCTURAL SECOND FLOOR FRAMING DEMOLITION PLAN - OVERALL

D121 3/32" = 1'-0"



PARTS PLAN

Scale: 3/32 INCH = 1 FOOT

KEY NORTH

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

COMMONWEALTH OF VIRGINIA
BYRON L. COOK
Lic. No. 024732
11 March 2022
PROFESSIONAL ENGINEER

JACOBS
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ARLINGTON, VA 22201

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DCCA ADM
WARRENTON, VA

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

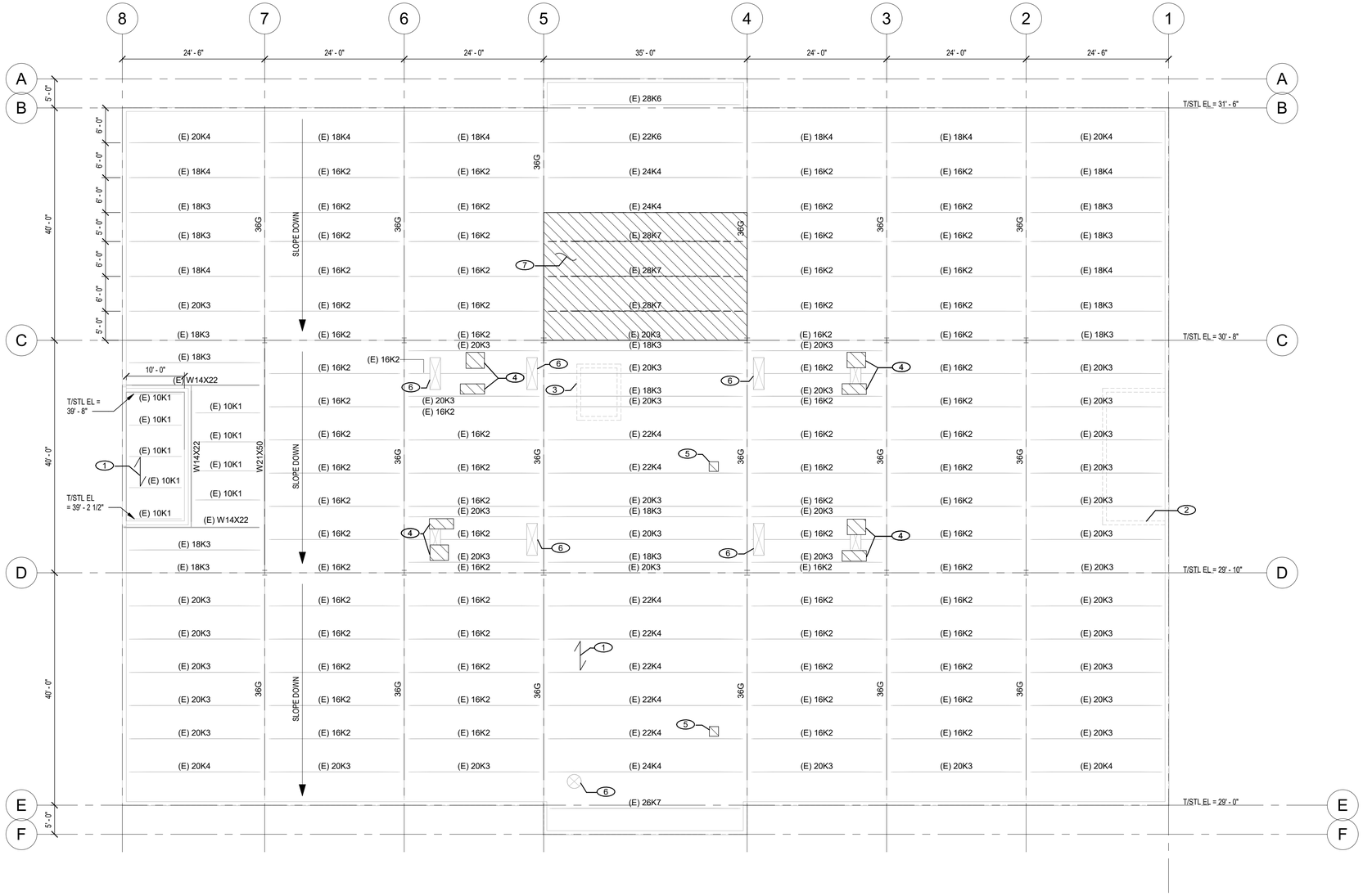
STRUCTURAL SECOND FLOOR FRAMING DEMOLITION PLAN

WARRENTON DCCA ADM VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY C. MACKAIL
DRAWN BY C. MACKAIL
CHECKED BY C. DALY
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 01/21/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - D121 REV.

PLOT DATE/TIME: 3/10/2022 7:33:11 AM



B8 STRUCTURAL ROOF FRAMING DEMOLITION PLAN - OVERALL

D122

3/32" = 1'-0"

GENERAL SHEET NOTES

A. ELEVATIONS SHOWN FROM REFERENCE DATUM, UON.

B. SEE S-001 AND S-002 FOR GENERAL NOTES AND ABBREVIATIONS.

C. COORDINATE EQUIPMENT AND COMPONENT'S DIMENSIONS WITH ARCH, MECH, ELEC, PLUMB, AND FP DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS.

D. MARKERS INDICATE EXISTING STRUCTURAL ELEMENTS AS FOLLOWS:

(E) XXKX = STEEL JOIST
(E) WX = STEEL SHAPE
(E) XXG = STEEL JOIST GIRDER

SHEET NOTES

1 EXISTING 1-1/2" METAL DECK.

2 EXISTING STAIRWELL CMU WALLS BELOW.

3 EXISTING ELEVATOR SHAFT WALLS.

4 REMOVE EXISTING METAL DECK FOR DUCT OPENING, SEE MECHANICAL FOR PENETRATION LOCATION AND DIMENSIONS.

5 REMOVE EXISTING METAL DECK FOR EXHAUST FAN OPENING, SEE MECHANICAL FOR PENETRATION LOCATION AND DIMENSIONS.

6 EXISTING OPENING FOR MECHANICAL DUCTS TO BE INFILLED.

7 ROOF FRAMING DEMOLITION PRODECURE:

7A. SHORE EXISTING ROOF DECK

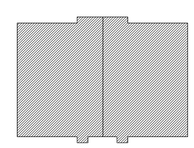
7B. DEMOLISH EXISTING JOISTS AND BRIDGING

7C. INSTALL NEW JOISTS

7D. DEMOLISH EXISTING ROOF DECK

7E. INSTALL NEW SKYLIGHT FRAMING

7F. INSTALL NEW SKYLIGHT AND ROOF DECK



PARTS PLAN

Scale: 3/32 INCH = 1 FOOT

KEY NORTH

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COMMONWEALTH OF VIRGINIA
BYRON L. COOK
Lic. No. 024732
11 March 2022
PROFESSIONAL ENGINEER

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

Jacobs

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

STRUCTURAL ROOF FRAMING DEMOLITION PLAN

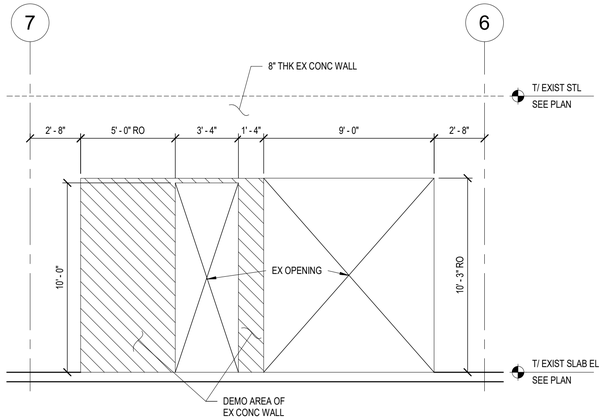
WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY C. MACKAIL
DRAWN BY C. MACKAIL
CHECKED BY C. DALY
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 01/21/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - D122 REV.

DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 3/10/2022 7:33:11 AM

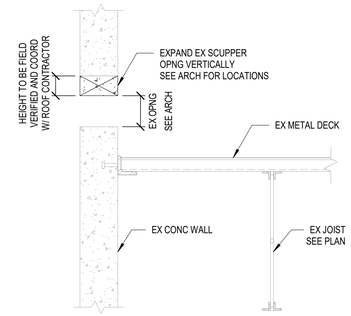


F8 D123 WALL DEMOLTION - SOUTH ELEVATION

1/4" = 1'-0"

PANEL CUTTING NOTES:

1. MARK SAW CUT LINES ON PANEL FOR WINDOW ENLARGEMENT.
2. CORE DRILL CORNERS OF WALL OPENING WITH A 4-INCH DIAMETER (MIN.) CORE BIT.
3. PERFORM VERTICAL SAW CUTS FIRST, CUT FROM BOTH SIDES OF THE PANEL IF NECESSARY TO AVOID OVERCUTS IN THE PANEL.
4. PERFORM HORIZONTAL SAW CUTS, CUT FROM BOTH SIDES OF THE PANEL IF NECESSARY TO AVOID OVERCUTS IN THE PANEL.
5. DETAIL CORNER WITH CHIPPING HAMMER FOR NEAT CORNERS.
6. DEMOLITION EQUIPMENT MUST BE LIMITED TO POWER SAWS, CORE DRILLS AND SMALL CHIPPING HAMMERS (#5).



F5 D123 OVERFLOW SCUPPER EXPANSION DETAIL

NOT TO SCALE

4 0 4 8
Scale: 1/4 INCH = 1 FOOT

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

STRUCTURAL DEMOLITION DETAILS

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY C. MACKAIL
DRAWN BY C. MACKAIL
CHECKED BY C. DALY
ISSUED BY ENGINEERING SERVICES TERMINAL
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DCCA ADM
WARRENTON, VA

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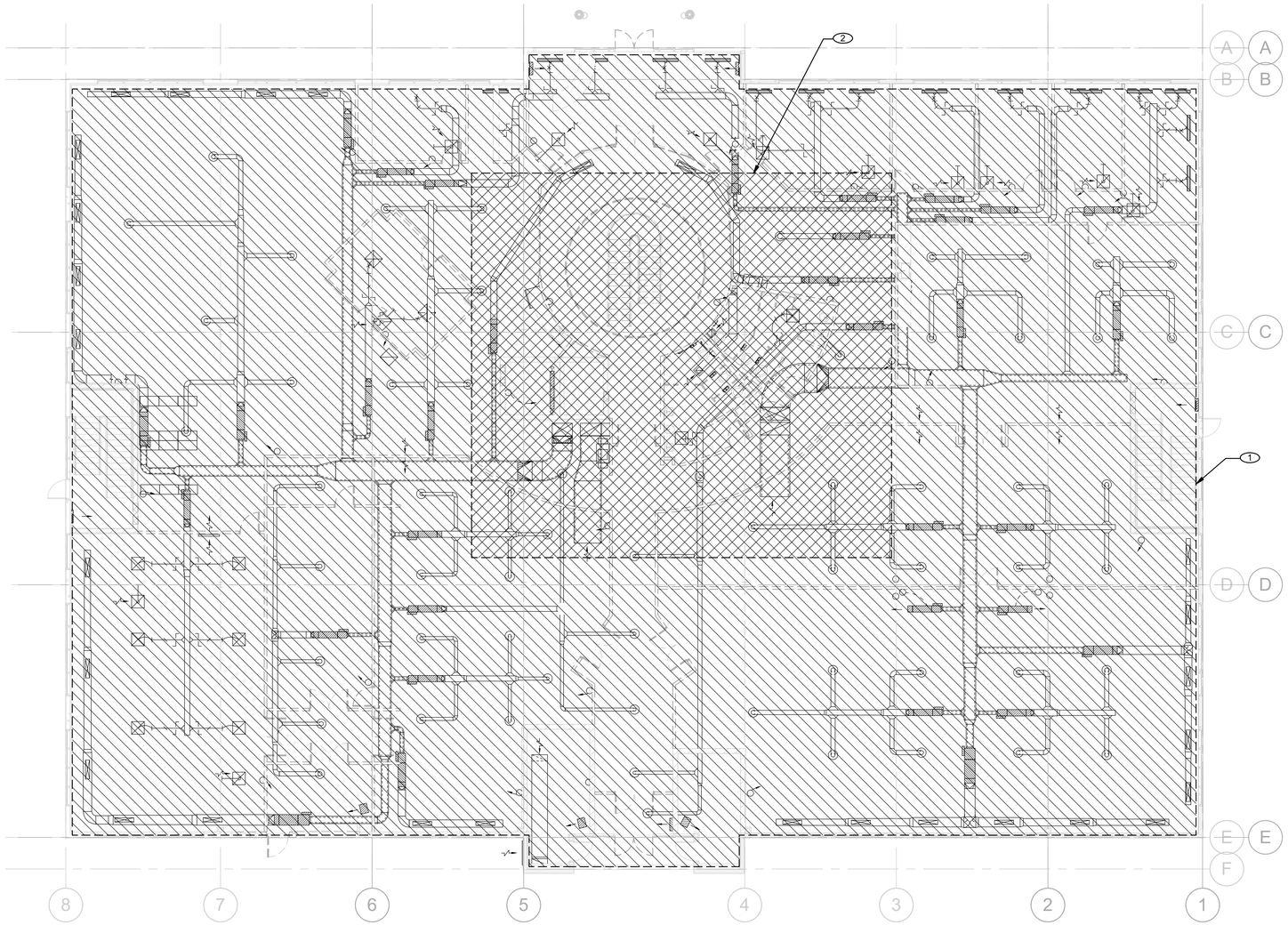


C8 / D130 HVAC AND HVAC PIPING LEVEL 1 - DEMOLITION

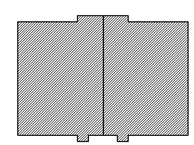
3/32" = 1'-0"

GENERAL SHEET NOTES

A. REFER TO DRAWING M001 AND M002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
B. WHERE MULTIPLE EXHAUST PIPE RISERS ARE UTILIZED TO CONNECT TO BELOW SLAB RADON MITIGAITON SYSTEM, DEMOLISH VERTICAL EXHAUST PIPES IN THEIR ENTIRETY.
C. IDENTIFY RADON MITIGATION EXHAUST SYSTEM PIPE OPENINGS CREATED BY DEMOLITION AT FIRST FLOOR SLAB. PROTECT AND SEAL PIPE OPENINGS FOR CONSTRUCTION DURATION FOR RECONNECTION.
D. EXISTING BELOW SLAB RADON MITIGATION SYSTEM PIPING MUST REMAIN. COORDINATE SLAB CUTTING DEMOLITION TO AVOID DAMAGE TO THE GREATEST EXTENT POSSIBLE. PROVIDE ALLOWANCE FOR A MINIMUM 100 SQUARE FEET CONCRETE FLOOR SLAB SAW CUTTING. WHERE RADON PIPE IS ENCOUNTERED, PROVIDE REPAIR TO DAMAGED PIPE UTILIZING METHODS AND MATERIALS MATCHING EXISTING SYSTEM IN A WORK MAN LIKE MANNER.

DEMOLITION SHEET NOTES

1 REMOVE FAN COILS, HUMIDIFIERS, REFRIGERANT PIPING, VAV BOXES, DUCTWORK, INSULATION, PIPING, SUPPORTS AND CONTROLS.
2 EXISTING RADON MITIGATION EXHAUST PIPE RISER ROUTED WITHIN WALLS THIS AREA. PROVIDE ALLOWANCE FOR DEMOLITION OF A MINIMUM OF 45 FEET VERTICAL AND 75 FEET HORIZONTAL EXHAUST PIPING. IDENTIFY ROUTING TO ALLOW FOR COMPLETE DEMOLITION THRU FIRST FLOOR LEVEL.



PARTS PLAN

8 0 8 16 24
Scale: 3/32 INCH = 1 FOOT

N
KEY NORTH

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STATE OF TEXAS
SAMUEL B. DODSON
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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

HVAC AND HVAC PIPING LEVEL 1 - DEMOLITION

WARRENTON — DCCA ADM — VA

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DESIGNED BY S. DODSON
DRAWN BY S. DODSON
CHECKED BY J. LEMENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE
JCN: 21001763
DRAWING NO. DCCA - D - ADM - D130
REV.

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WARRENTON, VA

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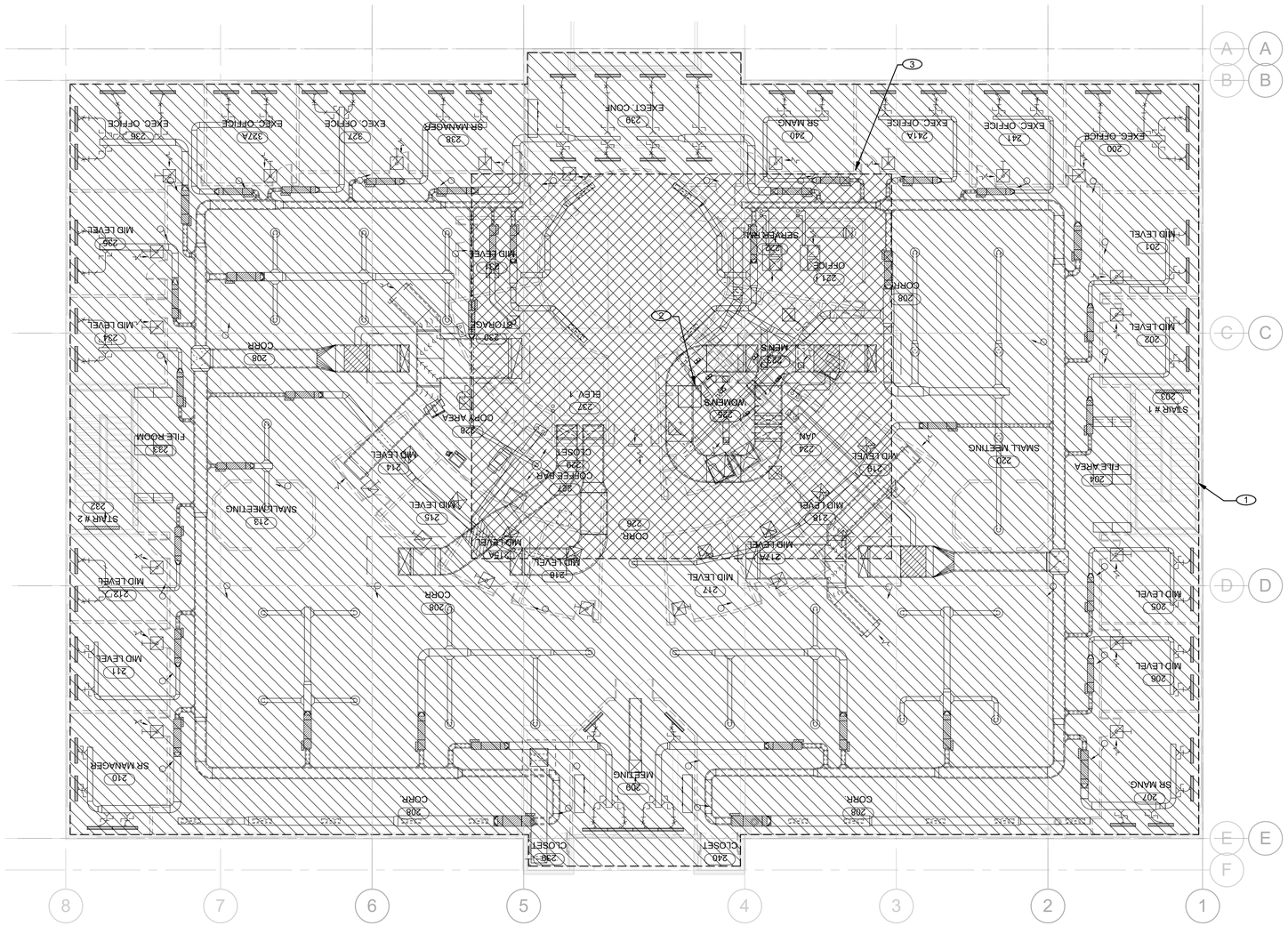


C8 D131 HVAC AND HVAC PIPING LEVEL 2 - DEMOLITION

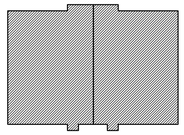
3/32" = 1'-0"

GENERAL SHEET NOTES

A. REFER TO DRAWING M001 AND M002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

DEMOLITION SHEET NOTES

1. REMOVE FAN COILS, HUMIDIFIERS, REFRIGERANT PIPING, VAV BOXES, DUCTWORK, INSULATION, PIPING, SUPPORTS AND CONTROLS.
2. DEMOLISH EXISTING RADON MITIGATION EXHAUST PIPE CONNECTED TO EXHAUST FAN JUST BELOW ROOF LEVEL.
3. EXISTING RADON MITIGATION EXHAUST PIPE RISER ROUTED WITHIN WALLS THIS AREA. PROVIDE ALLOWANCE FOR DEMOLITION OF A MINIMUM OF 15 FEET VERTICAL AND 25 FEET HORIZONTAL EXHAUST PIPING. IDENTIFY ROUTING TO ALLOW FOR COMPLETE DEMOLITION FROM EXHAUST FAN, THRU SECOND FLOOR AND DOWN TO FIRST FLOOR.



PARTS PLAN

8 0 8 16 24

Scale: 3/32 INCH = 1 FOOT

N

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STATE OF TEXAS
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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

HVAC AND HVAC PIPING LEVEL 2 - DEMOLITION

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
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DESIGNED BY S. DODSON
DRAWN BY S. DODSON
CHECKED BY J. LEMENS

ISSUED BY: ENGINEERING SERVICES TERMINAL

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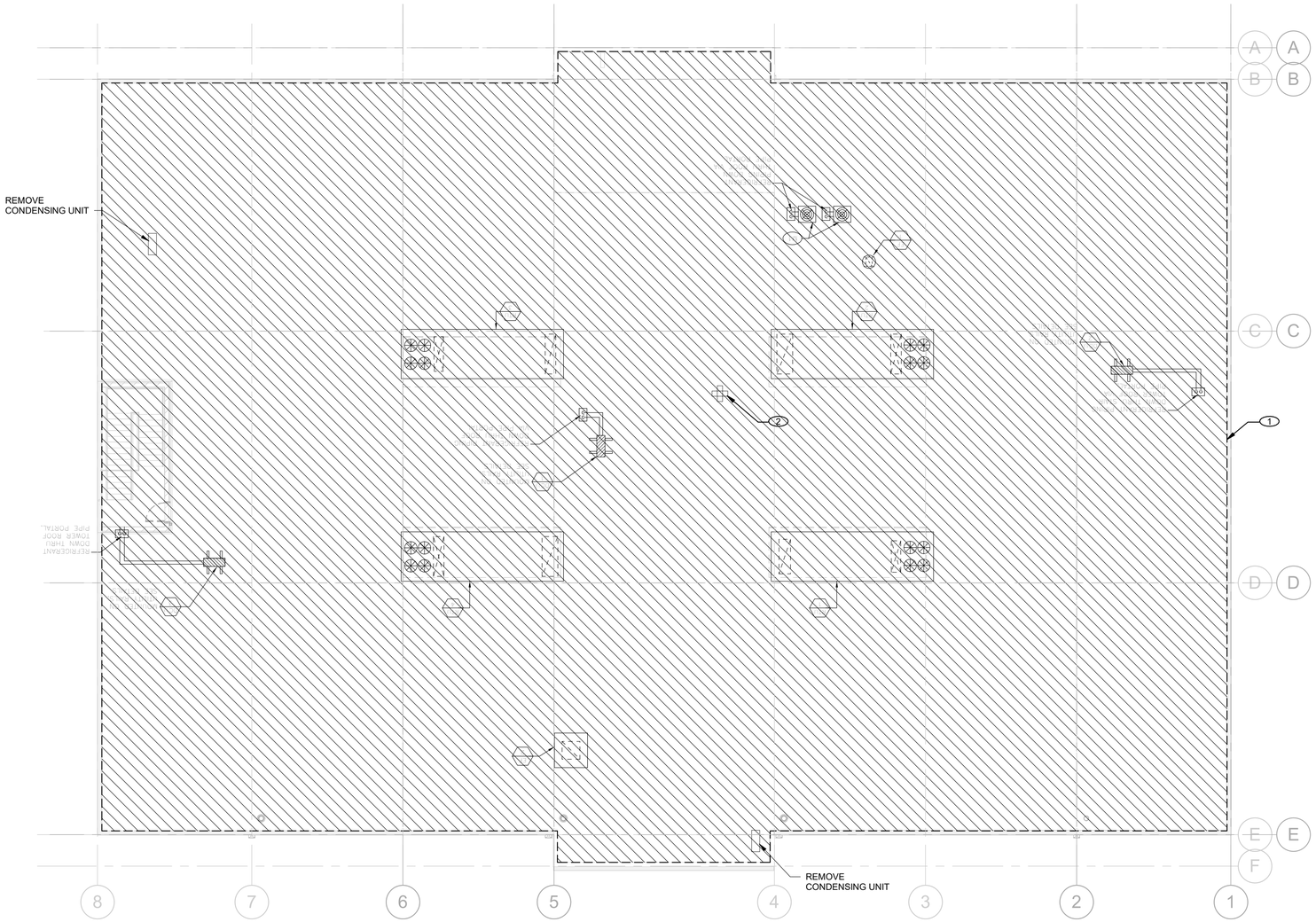


C8 / D132 HVAC AND HVAC PIPING ROOF - DEMOLITION

3/32" = 1'-0"

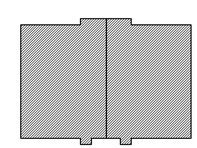
GENERAL SHEET NOTES

A. REFER TO DRAWING M001 AND M002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

DEMOLITION SHEET NOTES

1 REMOVE ROOF TOP UNITS, EXHAUST FANS, CONDENSING UNITS, HUMIDIFIERS, REFRIGERANT PIPING, SUPPORTS AND CONTROLS.

2 DEMOLISH RADON MITIGATION SYSTEM EXHAUST FAN



PARTS PLAN

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WARRENTON ADMINISTRATIVE BUILDING

HVAC AND HVAC PIPING ROOF - DEMOLITION

WARRENTON — DCCA ADM — VA

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	SUBMITTER'S TITLE	APPROVER'S TITLE

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ISSUED BY ENGINEERING SERVICES TERMINAL
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REV.

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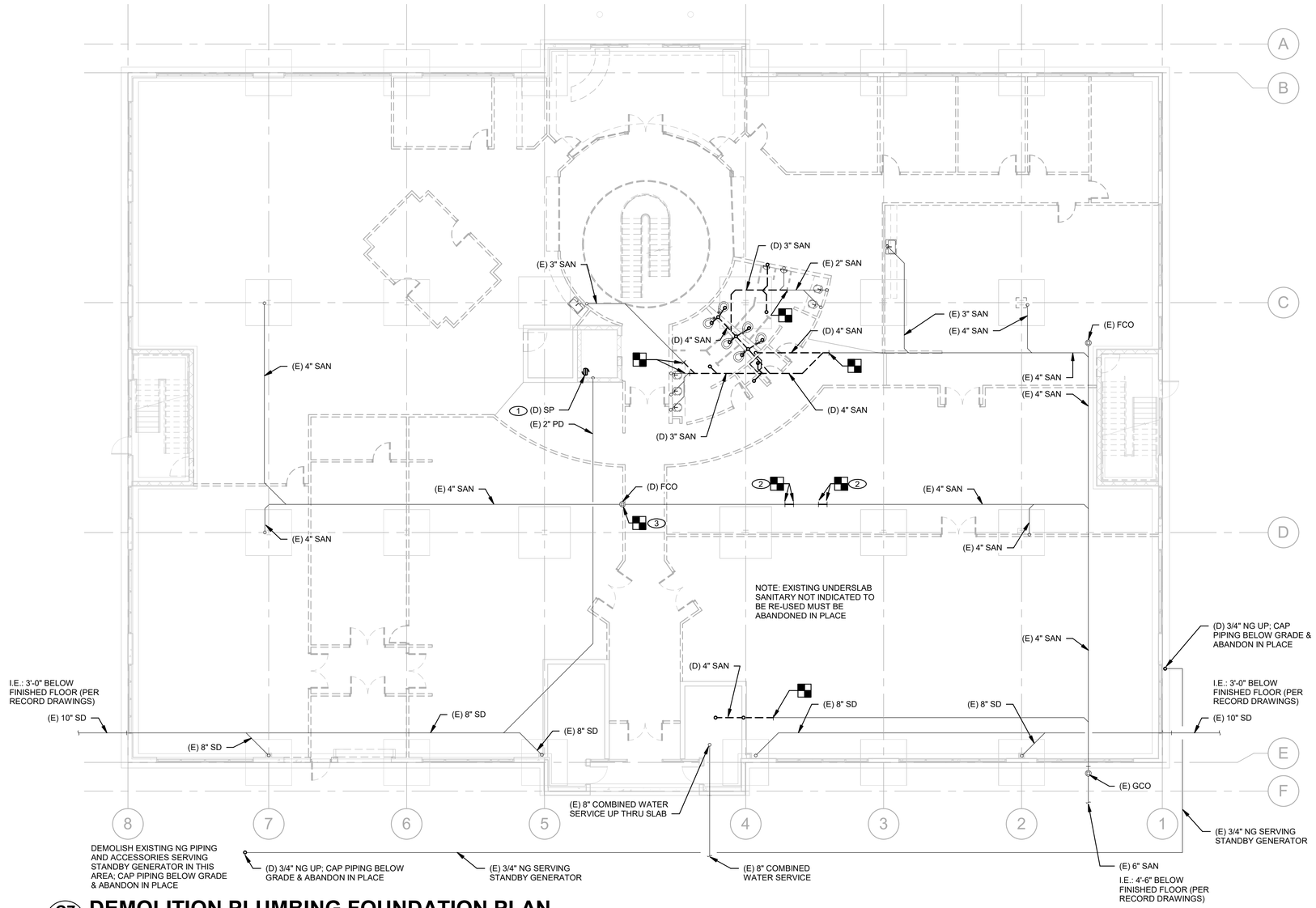
PLOT DATE/TIME: 3/10/2022 3:45:34 PM



C7 / D140

DEMOLITION PLUMBING FOUNDATION PLAN

3/32" = 1'-0"

GENERAL DEMOLITION SHEET NOTES

A. REFER TO SHEET P001 FOR LEGEND AND GENERAL NOTES.

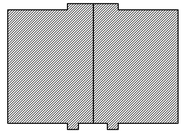
B. FIELD VERIFY EXISTING CONDITIONS AND NOTIFY COR OF ANY DISCREPANCY BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS.

DEMOLITION SHEET NOTES

1 REMOVE SUMP PUMP FROM ELEVATOR PIT AND ASSOCIATED PIPING. CAP REMAINING PIPING BELOW SLAB.

2 CUT UNDERSLAB SANITARY LINE AT DISCONNECTION POINT INDICATED; REFER TO NEW WORK PLANS.

3 DEMOLISH FLOOR CLEANOUT AND CAP SANITARY AT WYE CONNECTION BELOW SLAB.



PARTS PLAN

8 0 8 16 24

Scale: 3/32 INCH = 1 FOOT

KEY NORTH

COMMONWEALTH OF VIRGINIA
NASRI SLEEM
Lic. No. 033845
03/11/2022
PROFESSIONAL ENGINEER

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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

DEMOLITION PLUMBING FOUNDATION PLAN

WARRENTON — DCCA ADM — VA

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DESIGNED BY B. TANNER
DRAWN BY B. TANNER
CHECKED BY J. LEMENS
ISSUED BY ENGINEERING SERVICES TERMINAL
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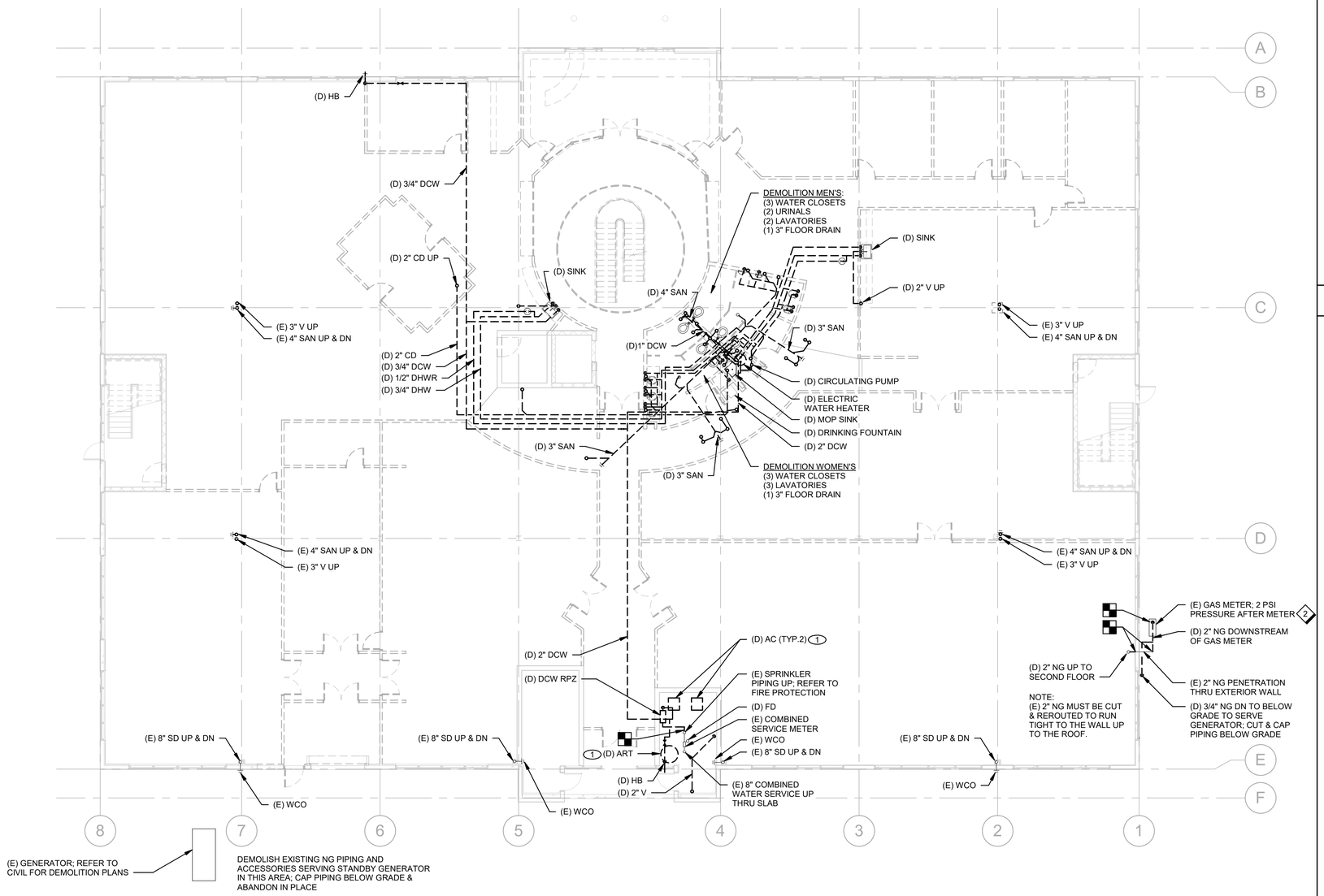


C7 / D141 DEMOLITION PLUMBING FIRST FLOOR PLAN

3/32" = 1'-0"

GENERAL DEMOLITION SHEET NOTES

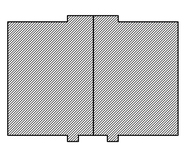
A. REFER TO SHEET P001 FOR LEGEND AND GENERAL NOTES.

B. FIELD VERIFY EXISTING CONDITIONS AND NOTIFY COR OF ANY DISCREPANCY BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS.

DEMOLITION SHEET NOTES

1 REMOVE AIR COMPRESSORS AND RECEIVING TANK; TURN OVER TO FAA.

2 EXISTING GAS METER SERVES 3400 MBH AT 2PSI DELIVERY PER RECORD DRAWINGS.



PARTS PLAN

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WARRENTON ADMINISTRATIVE BUILDING

DEMOLITION PLUMBING FIRST FLOOR PLAN

WARRENTON — DCCA ADM — VA

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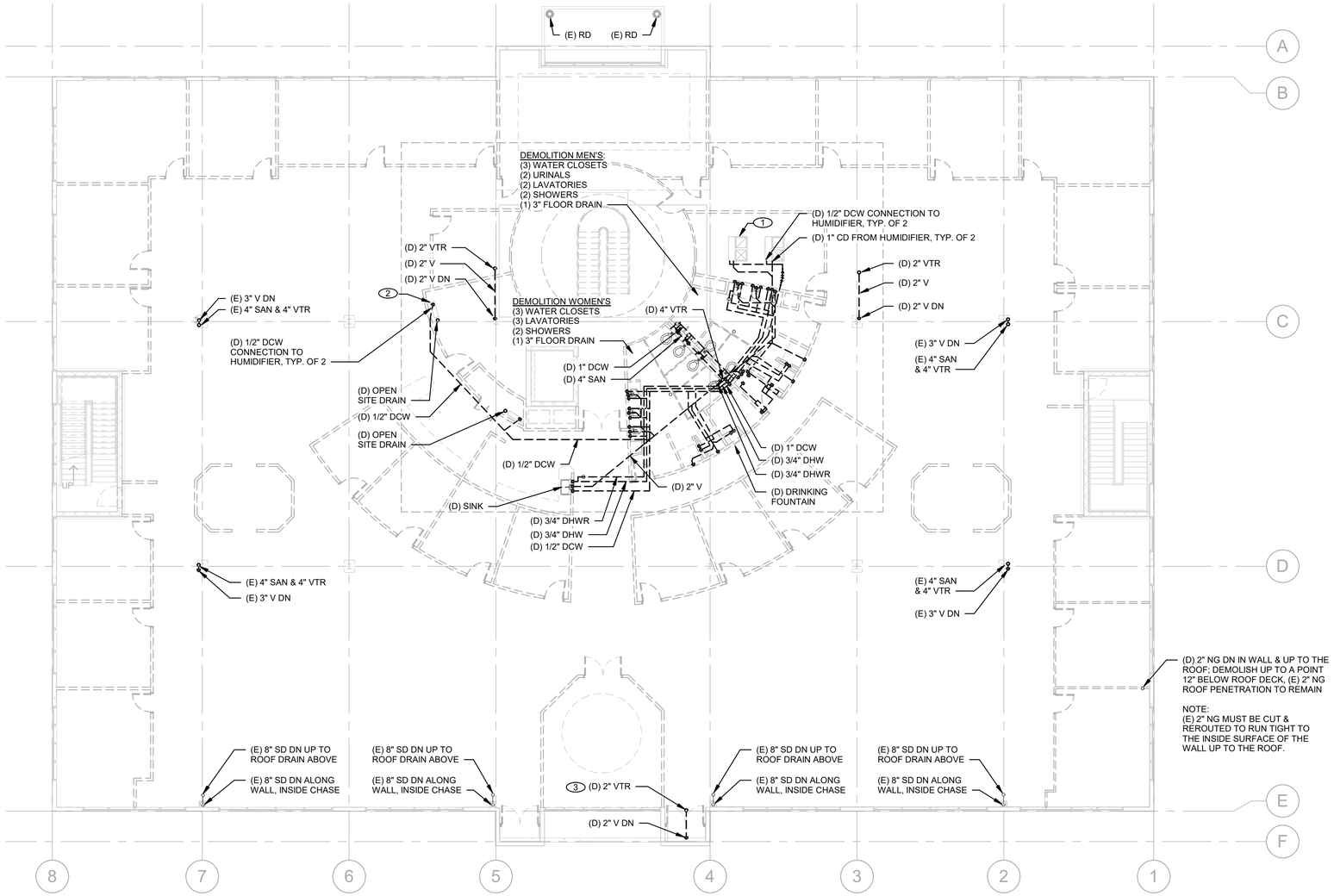


C7 / D142 DEMOLITION PLUMBING SECOND FLOOR PLAN

3/32" = 1'-0"

GENERAL DEMOLITION SHEET NOTES

A. REFER TO SHEET P001 FOR LEGEND AND GENERAL NOTES.

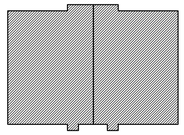
B. FIELD VERIFY EXISTING CONDITIONS AND NOTIFY COR OF ANY DISCREPANCY BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS.

DEMOLITION SHEET NOTES

1 EXISTING CEILING MOUNTED UNITS, TYP. OF 2; REFER TO MECHANICAL DEMOLITION PLANS.

2 EXISTING STEAM HUMIDIFIER, TYP. OF 2; REFER TO MECHANICAL DEMOLITION PLANS.

3 EXISTING 2" VENT ROOF PENETRATION TO BE RE-USED.



PARTS PLAN

8 0 8 16 24

Scale: 3/32 INCH = 1 FOOT

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

DEMOLITION PLUMBING SECOND FLOOR PLAN

WARRENTON — DCCA ADM — VA

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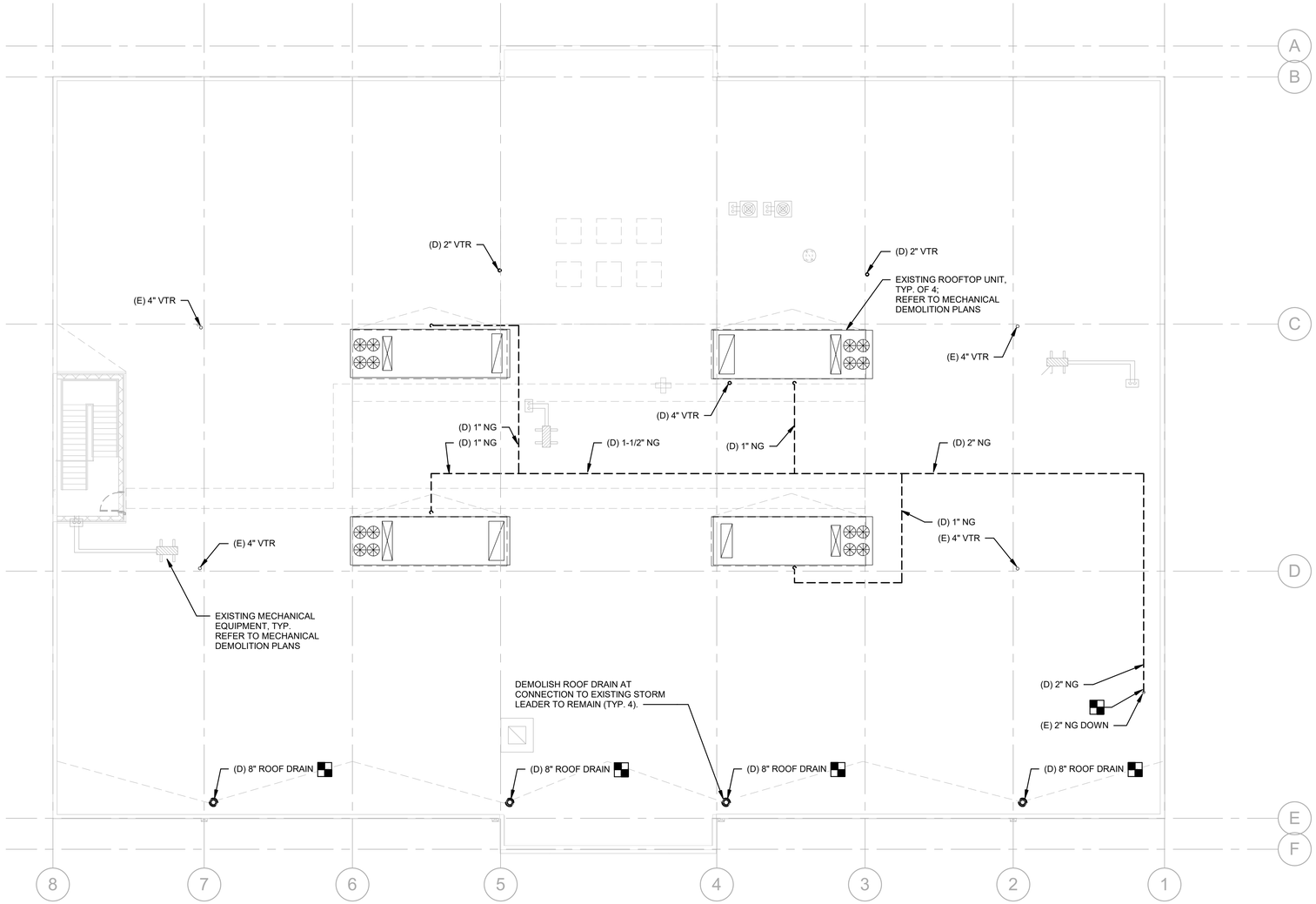

C7 / D143 DEMOLITION PLUMBING ROOF PLAN

3/32" = 1'-0"

GENERAL DEMOLITION SHEET NOTES

A. REFER TO SHEET P001 FOR LEGEND AND GENERAL NOTES.

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DEMOLITION SHEET NOTES

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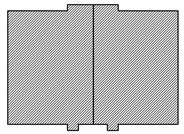

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

DEMOLITION PLUMBING ROOF PLAN

WARRENTON — DCCA ADM — VA

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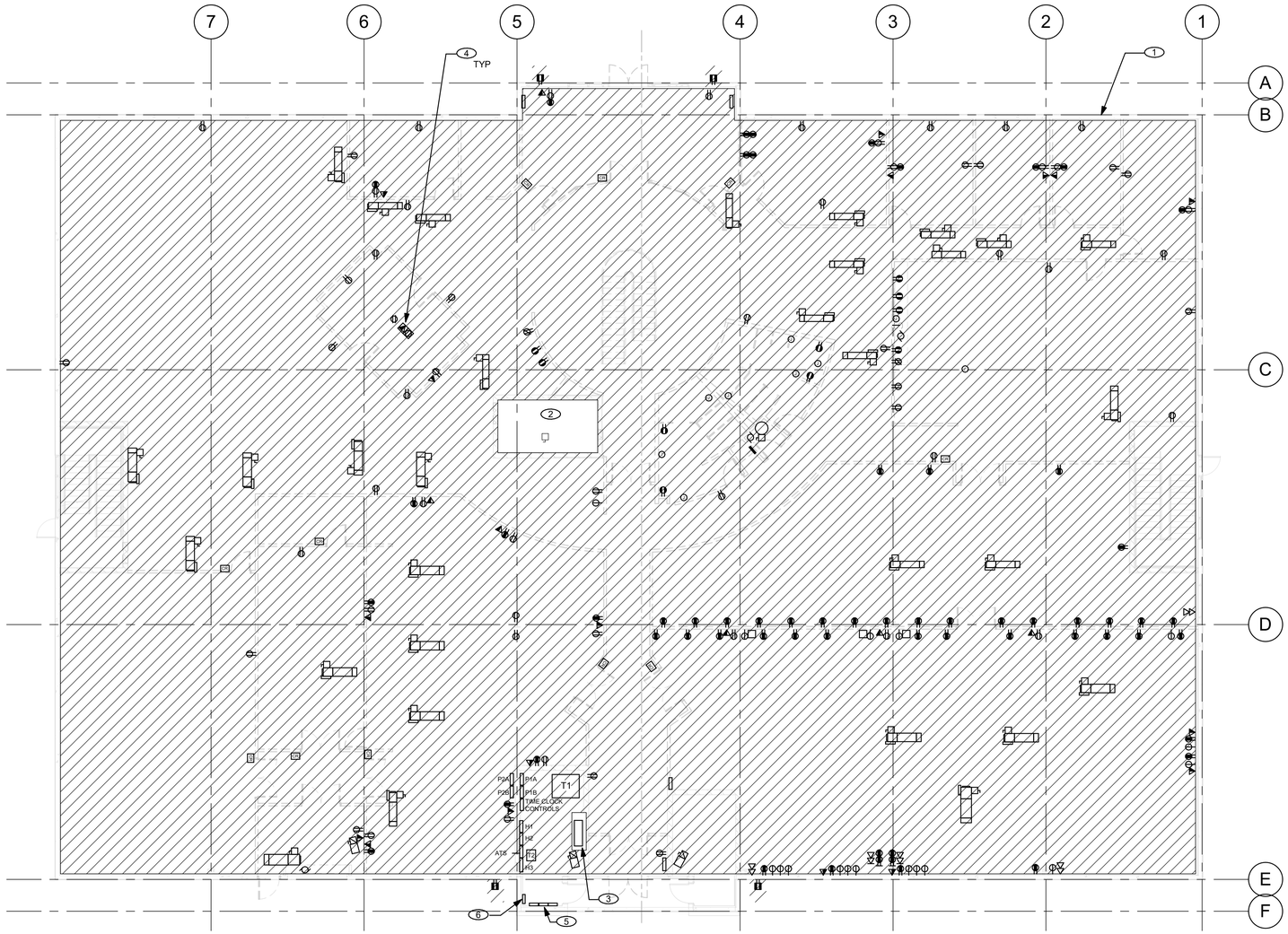
GENERAL SHEET NOTES

A. DEMOLITION WORK MUST FOLLOW THE SEQUENCE OF THE CONSTRUCTION PHASING, WHERE THE SCHEDULED OUTAGES MUST INCLUDE AND COORDINATE WITH OTHER TRADES AFFECTED BY THE LOSS OF THE UTILITY. UTILITIES THAT CANNOT BE INTERRUPTED FOR LONG PERIODS, OR SPECIFIED WITHIN THE DESIGN DOCUMENTS, MUST BE COORDINATED WITH THE APPROPRIATE SUPPORTING MEASURES BEFORE THE OUTAGE. THE UTILITY SERVICE REQUIRING MOBILE POWER GENERATION MUST SCHEDULE BEFORE, AND FOR THE DURATION OF THE SCHEDULED OUTAGE.



B8 / D150 DEMOLITION - FIRST FLOOR POWER PLAN

3/32" = 1'-0"

DEMOLITION SHEET NOTES

1 DISCONNECT AND DEMOLISH ALL ELECTRICAL AND TELECOM OUTLETS, EQUIPMENT, POWER CONNECTIONS TO TELECOM DEVICES AND MECHANICAL EQUIPMENT, WIRES, CONDUITS, MOUNTING HARDWARE, AND CONDUCTORS BACK TO POWER SOURCE. COORDINATE WITH TELECOMMUNICATION AND MECHANICAL DEMOLITION DRAWINGS.

2 EXISTING ELECTRICAL DEVICES, EQUIPMENT, CONDUITS AND WIRING SHALL REMAIN IN PLACE FOR ELEVATOR SYSTEM IN MACHINE ROOM AND PIT. EXISTING SYSTEM TO BE RECIRCUITED. REFER TO NEW WORK FOR MORE INFORMATION.

3 EXISTING UTILITY CT/PT CABINET AND INCOMING SERVICE TO REMAIN INTACT.

4 REMOVE POWER CONNECTION FOR FLOOR OUTLET. REMOVE OUTLET DEVICES, CABLING, AND DEVICE COVERS. ABANDON CONCEALED CONDUIT IN-PLACE. FILL-IN EMPTY DEVICE BOX OPENING WITH NONSHRINK CONCRETE FLOOR PATCH MATERIAL.

5 EXISTING TELECOM AND FIRE ALARM EQUIPMENT TO REMAIN INTACT. RECONNECT POWER TO NEW DISTRIBUTION SYSTEM AS INDICATED ON THE DRAWINGS. REFER TO FIRE PROTECTION AND TELECOM DRAWINGS FOR CONFIGURATION OF NEW SYSTEM.

6 EXISTING UTILITY METERING TO REMAIN INTACT.

8 0 8 16 24
Scale: 3/32 INCH = 1 FOOT

N
KEY NORTH

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

DEMOLITION - FIRST FLOOR POWER PLAN

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - D150 REV.

PLOT DATE/TIME: 4/22/2022 10:31:57 AM

GENERAL SHEET NOTES

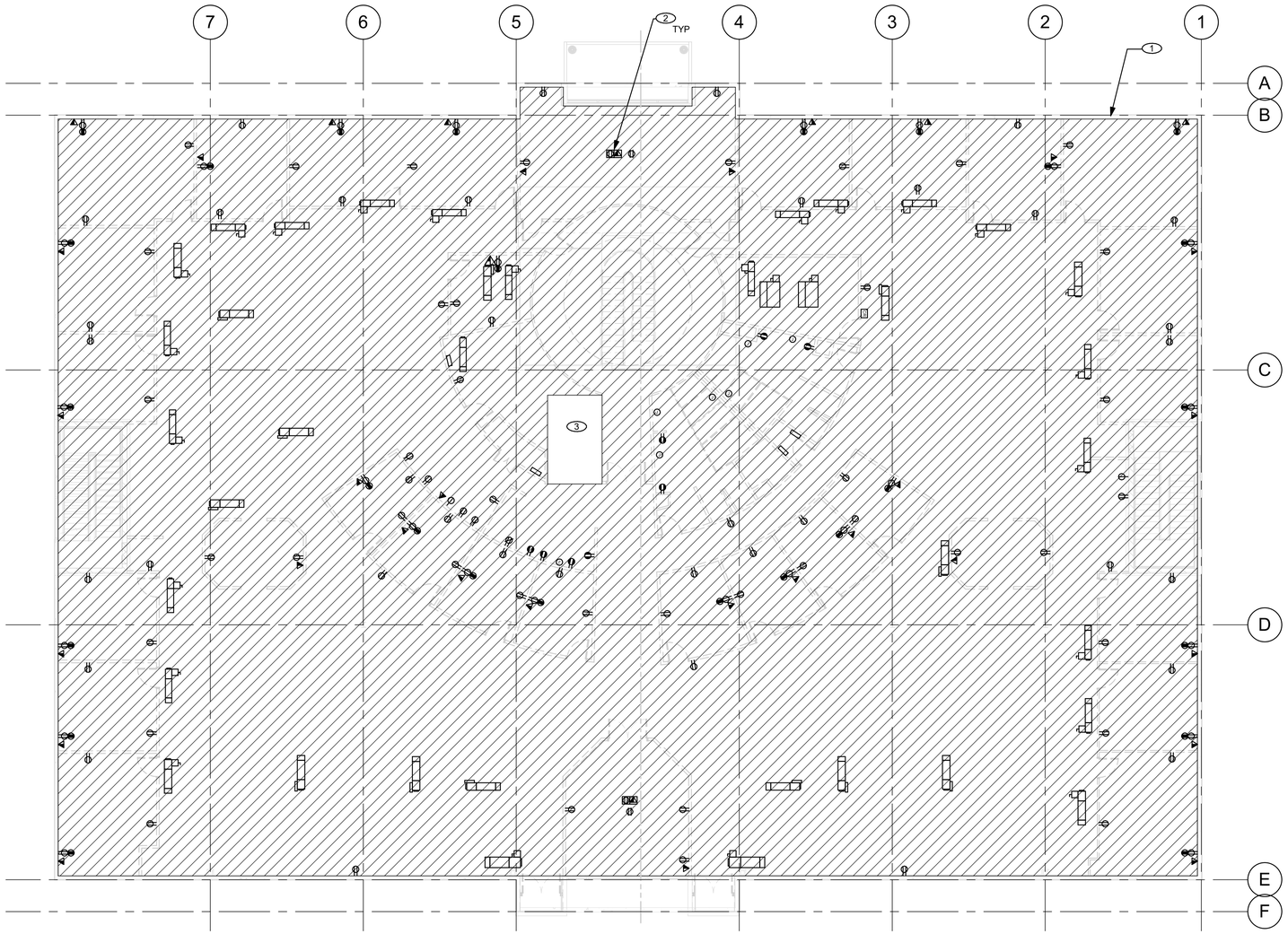
A. DEMOLITION WORK MUST FOLLOW THE SEQUENCE OF THE CONSTRUCTION PHASING, WHERE THE SCHEDULED OUTAGES MUST INCLUDE AND COORDINATE WITH OTHER TRADES AFFECTED BY THE LOSS OF THE UTILITY. UTILITIES THAT CANNOT BE INTERRUPTED FOR LONG PERIODS, OR SPECIFIED WITHIN THE DESIGN DOCUMENTS, MUST BE COORDINATED WITH THE APPROPRIATE SUPPORTING MEASURES BEFORE THE OUTAGE. THE UTILITY SERVICE REQUIRING MOBILE POWER GENERATION MUST SCHEDULE BEFORE, AND FOR THE DURATION OF THE SCHEDULED OUTAGE.

DEMOLITION SHEET NOTES

1 DISCONNECT AND DEMOLISH ALL ELECTRICAL AND TELECOM OUTLETS, EQUIPMENT, POWER CONNECTIONS TO TELECOM DEVICES AND MECHANICAL EQUIPMENT, WIRES, CONDUITS, MOUNTING HARDWARE, AND CONDUCTORS BACK TO POWER SOURCE. COORDINATE WITH TELECOMMUNICATION AND MECHANICAL DEMOLITION DRAWINGS.

2 REMOVE POWER CONNECTION FOR FLOOR OUTLET. REMOVE OUTLET DEVICES, CABLING, AND DEVICE COVERS. ABANDON CONCEALED CONDUIT IN-PLACE. FILL-IN EMPTY DEVICE BOX OPENING WITH NONSHRINK CONCRETE FLOOR PATCH MATERIAL.

3 EXISTING ELECTRICAL DEVICES, EQUIPMENT, CONDUITS AND WIRING SHALL REMAIN IN PLACE FOR ELEVATOR SYSTEM IN MACHINE ROOM AND PIT. EXISTING SYSTEM TO BE RECIRCUITED. REFER TO NEW WORK FOR MORE INFORMATION.



B8 / D151 DEMOLITION - SECOND FLOOR POWER PLAN

3/32" = 1'-0"

8 0 8 16 24

Scale: 3/32 INCH = 1 FOOT

N

KEY NORTH

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ARLINGTON, VA 22201

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

DEMOLITION - SECOND FLOOR POWER PLAN

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY

SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763

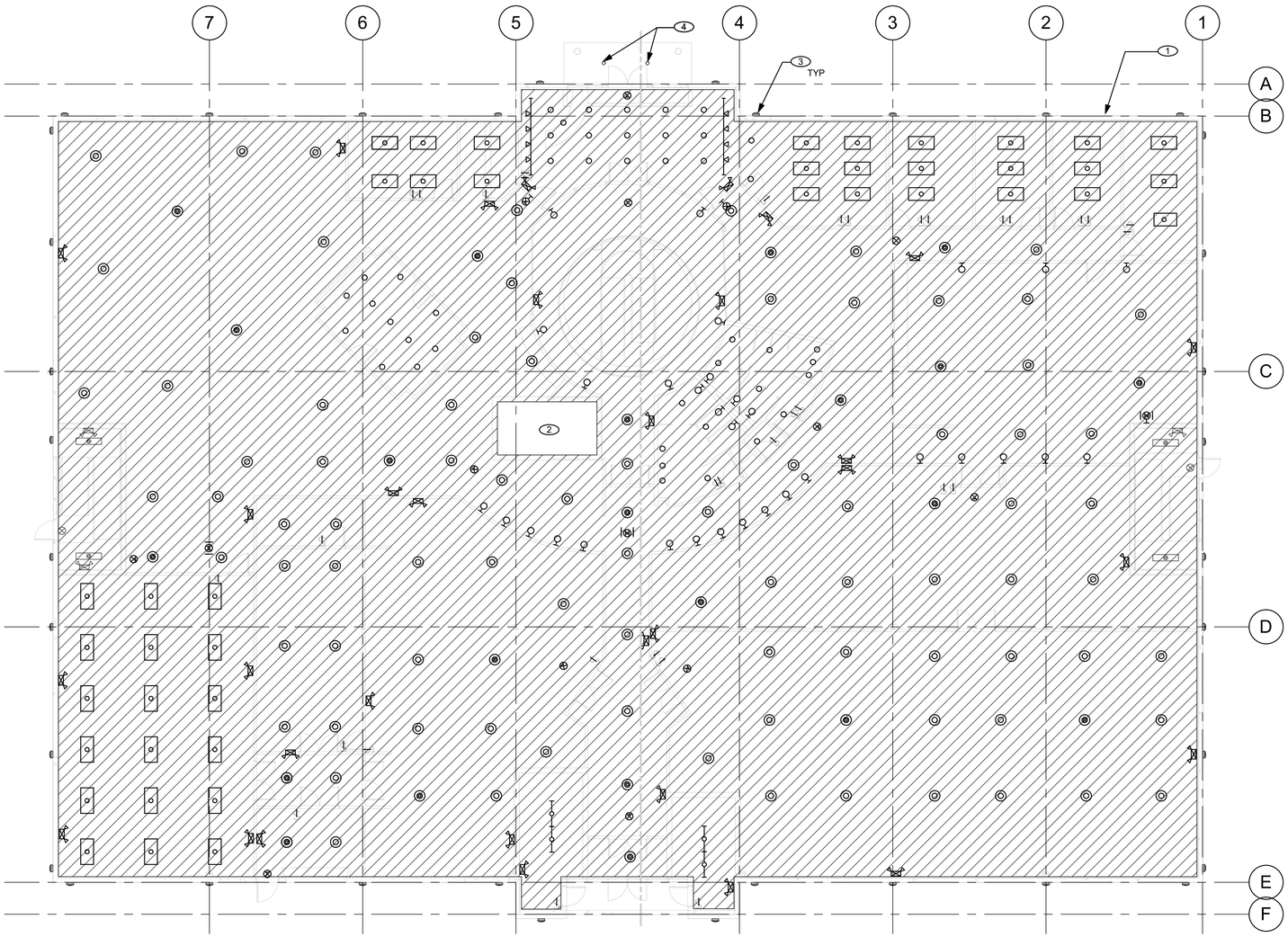
DRAWING NO. DCCA - D - ADM - D151 REV.

DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 4/22/2022 10:32:01 AM

GENERAL SHEET NOTES

A. DEMOLITION WORK MUST FOLLOW THE SEQUENCE OF THE CONSTRUCTION PHASING, WHERE THE SCHEDULED OUTAGES MUST INCLUDE AND COORDINATE WITH OTHER TRADES AFFECTED BY THE LOSS OF THE UTILITY. UTILITIES THAT CANNOT BE INTERRUPTED FOR LONG PERIODS, OR SPECIFIED WITHIN THE DESIGN DOCUMENTS, MUST BE COORDINATED WITH THE APPROPRIATE SUPPORTING MEASURES BEFORE THE OUTAGE. THE UTILITY SERVICE REQUIRING MOBILE POWER GENERATION MUST SCHEDULE BEFORE, AND FOR THE DURATION OF THE SCHEDULED OUTAGE.



DEMOLITION SHEET NOTES

1 DISCONNECT AND DEMOLISH ALL LIGHTING FIXTURES, DEVICES, SWITCHES, CONDUITS, WIRING, AND MOUNTING HARDWARE BACK TO POWER SOURCE.

2 EXISTING LIGHTING FIXTURES, CONTROLS, AND WIRING SHALL REMAIN IN PLACE IN ELEVATOR MACHINE ROOM AND PIT. EXISTING FIXTURES AND DEVICES TO BE RECIRCUITED. REFER TO NEW WORK FOR MORE INFORMATION.

3 EXISTING WALL PACK FIXTURES TO BE REPLACED WITH EQUIVALENT LED STYLE LIGHT FIXTURE. PROVIDE MOUNTING HARDWARE AND BACKPLATE INTERFACE TO COVER EXISTING LIGHT FIXTURE MOUNTING CONDITION. EXISTING CONDUIT ROUGH-IN FEED TO REMAIN FOR CONNECTION TO NEW FIXTURE. PATCH AND REPAIR WALL SURFACE TO MATCH THE EXISTING CONDITION. SEE NEW LIGHTING PLANS FOR NEW CIRCUITRY.

4 EXISTING CANOPY FIXTURES TO BE REPLACED WITH EQUIVALENT LED STYLE LIGHT FIXTURE. REFER TO NEW WORK FOR CIRCUITRY.

B8 / D152 DEMOLITION - FIRST FLOOR LIGHTING PLAN

3/32" = 1'-0"

8 0 8 16 24
Scale: 3/32 INCH = 1 FOOT

N
KEY NORTH

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
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1100 N GLEBE RD.
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Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

DEMOLITION - FIRST FLOOR LIGHTING PLAN

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - D152 REV.

PLOT DATE/TIME: 4/22/2022 10:32:05 AM

GENERAL SHEET NOTES

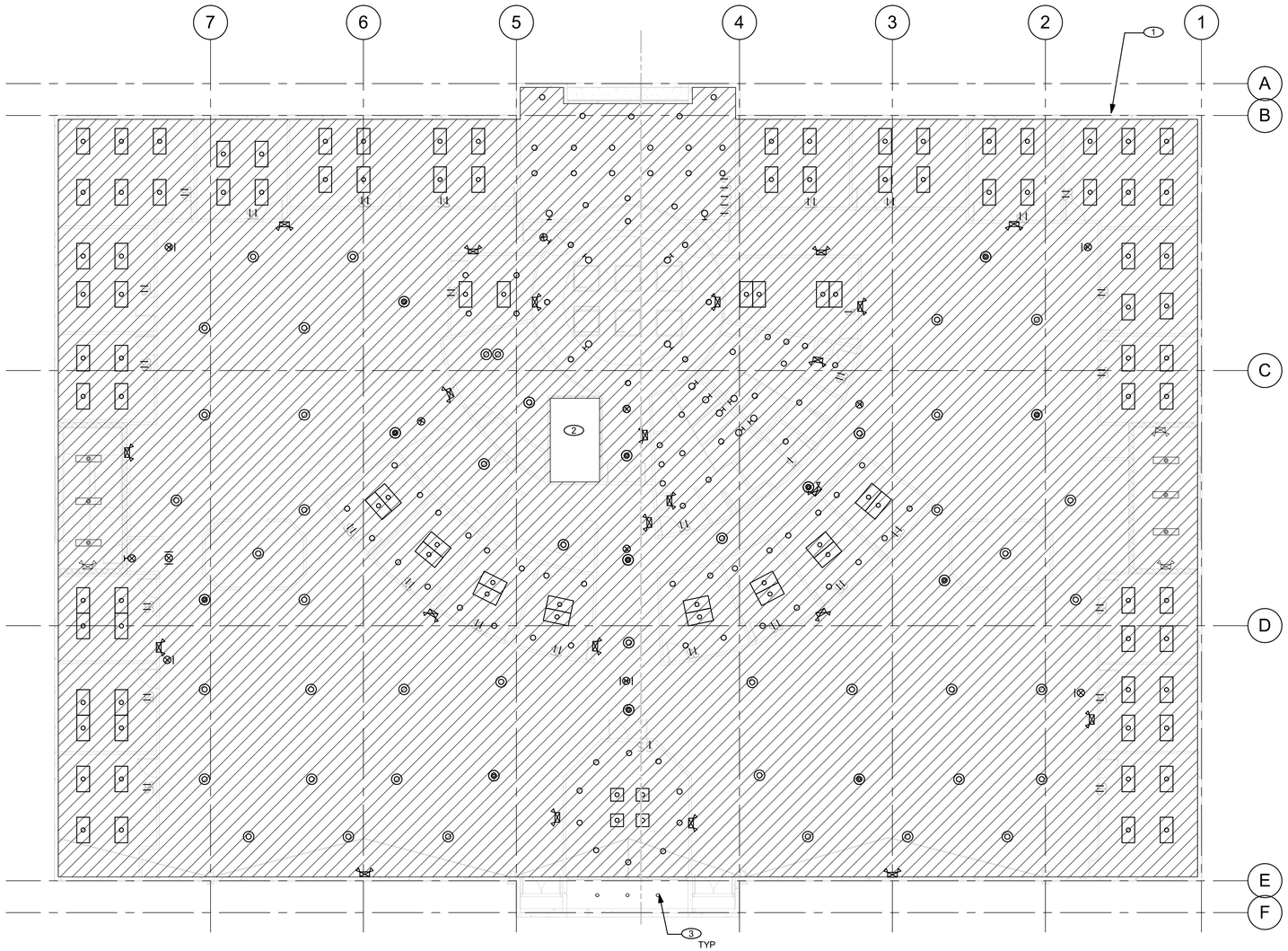
A. DEMOLITION WORK MUST FOLLOW THE SEQUENCE OF THE CONSTRUCTION PHASING, WHERE THE SCHEDULED OUTAGES MUST INCLUDE AND COORDINATE WITH OTHER TRADES AFFECTED BY THE LOSS OF THE UTILITY. UTILITIES THAT CANNOT BE INTERRUPTED FOR LONG PERIODS, OR SPECIFIED WITHIN THE DESIGN DOCUMENTS, MUST BE COORDINATED WITH THE APPROPRIATE SUPPORTING MEASURES BEFORE THE OUTAGE. THE UTILITY SERVICE REQUIRING MOBILE POWER GENERATION MUST SCHEDULE BEFORE, AND FOR THE DURATION OF THE SCHEDULED OUTAGE.

DEMOLITION SHEET NOTES

1 DISCONNECT AND DEMOLISH ALL LIGHTING FIXTURES, DEVICES, SWITCHES, CONDUITS, WIRING, AND MOUNTING HARDWARE BACK TO POWER SOURCE.

2 EXISTING LIGHTING FIXTURES, CONTROLS, AND WIRING SHALL REMAIN IN PLACE IN ELEVATOR MACHINE ROOM AND PIT. EXISTING FIXTURES AND DEVICES TO BE RECIRCUITED. REFER TO NEW WORK FOR MORE INFORMATION.

3 EXISTING CANOPY FIXTURES TO BE REPLACED WITH EQUIVALENT LED STYLE LIGHT FIXTURE. REFER TO NEW WORK FOR CIRCUITRY.



B8 D153 **DEMOLITION - SECOND FLOOR LIGHTING PLAN**

3/32" = 1'-0"

8 0 8 16 24

Scale: 3/32 INCH = 1 FOOT

N

KEY NORTH

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
03/11/22
PROFESSIONAL ENGINEER

JACOBS
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SUITE 500
ARLINGTON, VA 22201

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DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

DEMOLITION - SECOND FLOOR LIGHTING PLAN

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763

DRAWING NO. DCCA - D - ADM - D153 REV.

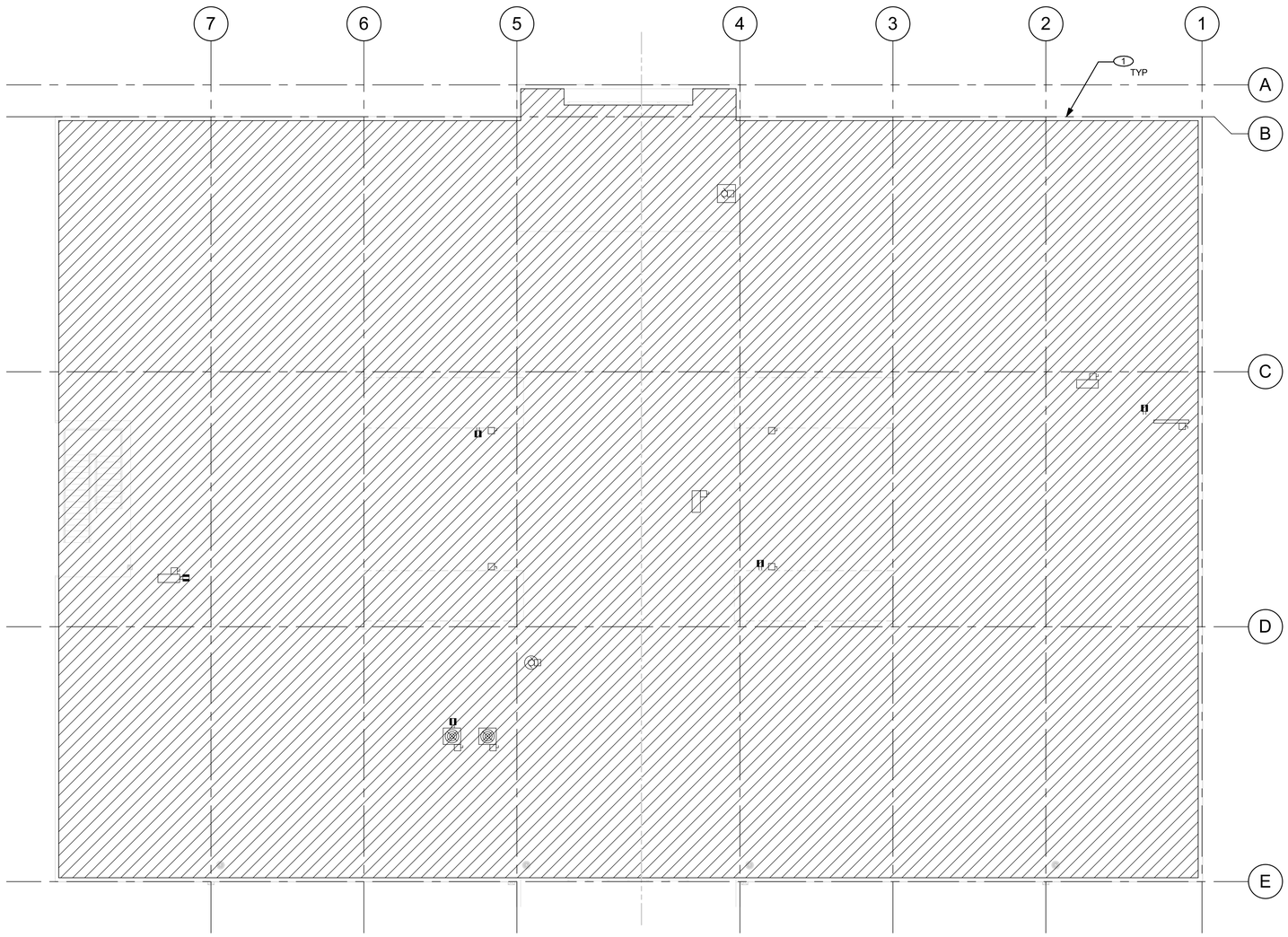
PLOT DATE/TIME: 4/22/2022 10:32:10 AM

GENERAL SHEET NOTES

A. DEMOLITION WORK MUST FOLLOW THE SEQUENCE OF THE CONSTRUCTION PHASING, WHERE THE SCHEDULED OUTAGES MUST INCLUDE AND COORDINATE WITH OTHER TRADES AFFECTED BY THE LOSS OF THE UTILITY. UTILITIES THAT CANNOT BE INTERRUPTED FOR LONG PERIODS, OR SPECIFIED WITHIN THE DESIGN DOCUMENTS, MUST BE COORDINATED WITH THE APPROPRIATE SUPPORTING MEASURES BEFORE THE OUTAGE. THE UTILITY SERVICE REQUIRING MOBILE POWER GENERATION MUST SCHEDULE BEFORE, AND FOR THE DURATION OF THE SCHEDULED OUTAGE.

DEMOLITION SHEET NOTES

1 DISCONNECT AND DEMOLISH ALL ELECTRICAL OUTLETS AND EQUIPMENT, POWER CONNECTIONS TO MECHANICAL EQUIPMENT, WIRES, CONDUITS, MOUNTING HARDWARE, AND CONDUCTORS BACK TO POWER SOURCE.



B8 DEMOLITION - ROOF POWER PLAN

D154 3/32" = 1'-0"

32 0 32 64

Scale: 1/32 INCH = 1 FOOT

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COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
03/11/22
PROFESSIONAL ENGINEER

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

DEMOLITION - ROOF POWER PLAN

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763

DRAWING NO. DCCA - D - ADM - D154 REV.

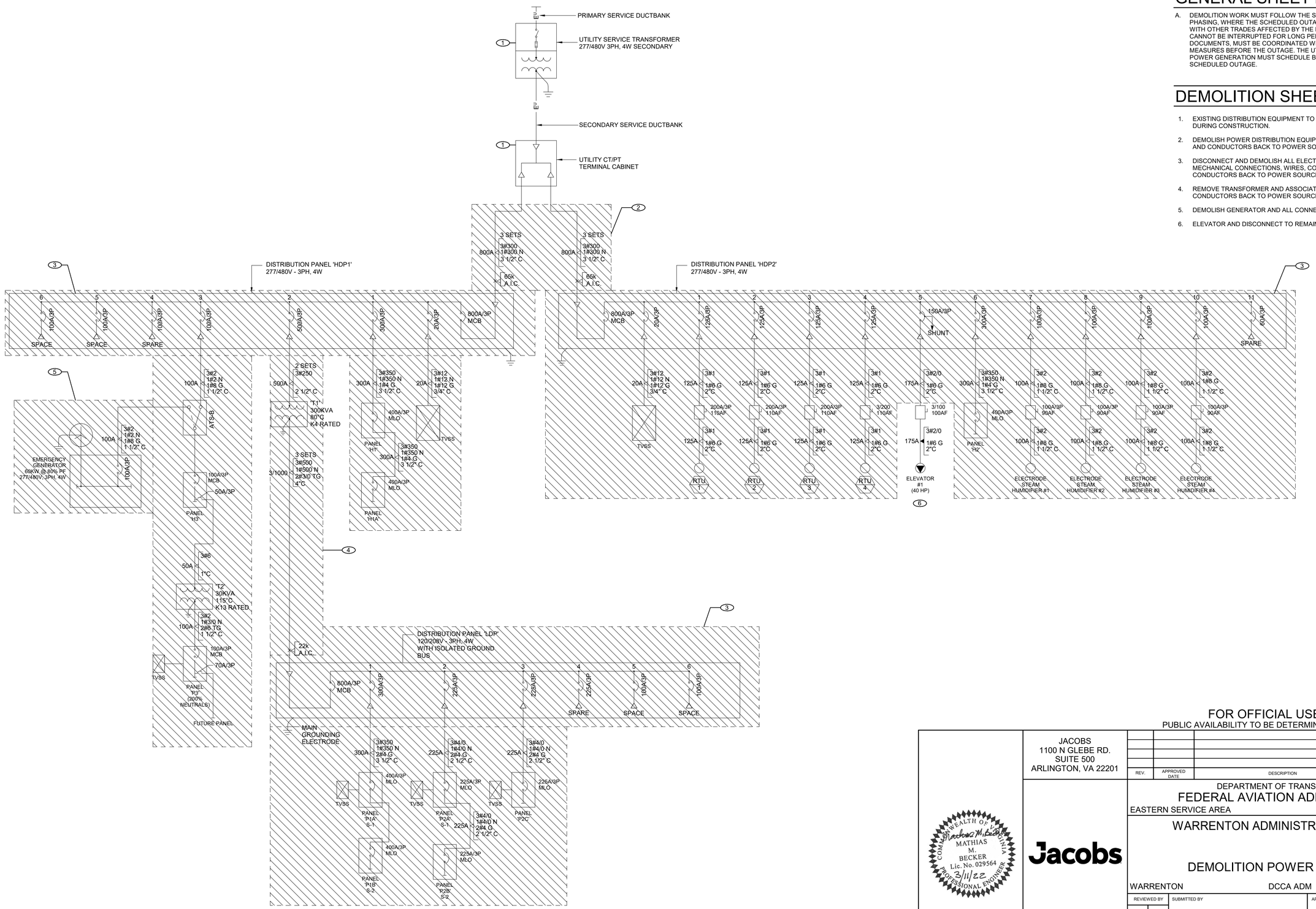
PLOT DATE/TIME: 4/22/2022 10:32:13 AM

GENERAL SHEET NOTES

A. DEMOLITION WORK MUST FOLLOW THE SEQUENCE OF THE CONSTRUCTION PHASING, WHERE THE SCHEDULED OUTAGES MUST INCLUDE AND COORDINATE WITH OTHER TRADES AFFECTED BY THE LOSS OF THE UTILITY. UTILITIES THAT CANNOT BE INTERRUPTED FOR LONG PERIODS, OR SPECIFIED WITHIN THE DESIGN DOCUMENTS, MUST BE COORDINATED WITH THE APPROPRIATE SUPPORTING MEASURES BEFORE THE OUTAGE. THE UTILITY SERVICE REQUIRING MOBILE POWER GENERATION MUST SCHEDULE BEFORE, AND FOR THE DURATION OF THE SCHEDULED OUTAGE.

DEMOLITION SHEET NOTES

1. EXISTING DISTRIBUTION EQUIPMENT TO REMAIN, MAINTAIN POWER CONTINUITY DURING CONSTRUCTION.
2. DEMOLISH POWER DISTRIBUTION EQUIPMENT. REMOVE ABANDONED CONDUITS AND CONDUCTORS BACK TO POWER SOURCE.
3. DISCONNECT AND DEMOLISH ALL ELECTRICAL PANELS AND EQUIPMENT, MECHANICAL CONNECTIONS, WIRES, CONDUITS, MOUNTING HARDWARE, AND CONDUCTORS BACK TO POWER SOURCE.
4. REMOVE TRANSFORMER AND ASSOCIATED FEEDER CONDUIT AND CONDUCTORS BACK TO POWER SOURCE.
5. DEMOLISH GENERATOR AND ALL CONNECTED ELECTRICAL EQUIPMENT.
6. ELEVATOR AND DISCONNECT TO REMAIN FOR NEW WORK.



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DCCA ADM
WARRENTON, VA

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

DEMOLITION POWER SINGLE LINE

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

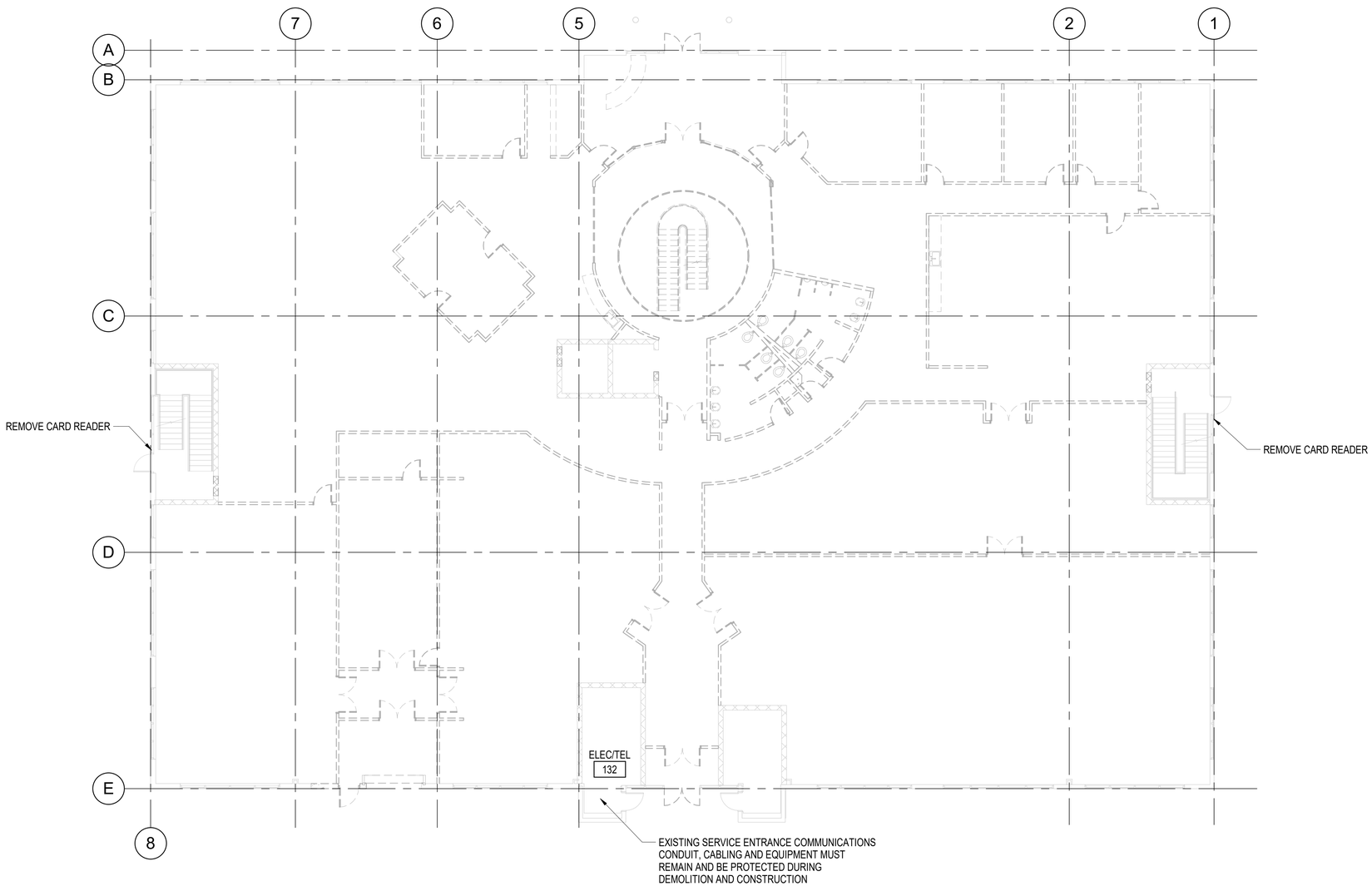
DESIGNED BY: M. BECKER
DRAWN BY: D. RUSTAMOVA
CHECKED BY: J. KOROULAKIS
ISSUED BY: ENGINEERING SERVICES TERMINAL
DATE: 03/11/2022
JCN: 21001763
DRAWING NO.: DCCA - D - ADM - D155
REV.

PLOT DATE/TIME: 4/22/2022 10:32:16 AM

GENERAL NOTES

A. REMOVE ALL COMMUNICATIONS AND SECURITY DEVICES INCLUDING BUT NOT LIMITED TO CABINETS, RACKS, CABLE TRAY ABOVE THE CEILING, OUTLETS, PAGING SPEAKERS, PAGING EQUIPMENT AND CABLING BACK TO ITS SOURCE. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

B. REMOVE EXPOSED AND ABOVE ACCESSIBLE CEILING ABANDONED CONDUIT AND INNERDUCT. CUT CONDUIT FLUSH WITH WALLS AND FLOORS AND PATCH SURFACES. PROVIDE BLANK COVERS OVER EXISTING TO REMAIN OUTLET BOXES.



B8 DEMOLITION - FIRST FLOOR COMMUNICATIONS PLAN

3/32" = 1'-0"

Scale: 3/32 INCH = 1 FOOT

KEY NORTH

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REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
SCOTT L HANSBERRY
BICSI ID# 112947
EXPIRES 12-31-24
RCDD
2022/03/11

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1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
	01/21/2022	95% SUBMISSION			

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

DEMOLITION - FIRST FLOOR COMMUNICATIONS PLAN

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY S. HANSBERRY
DRAWN BY C. TINKER
CHECKED BY J. HIMES
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 01/21/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - D160 REV.

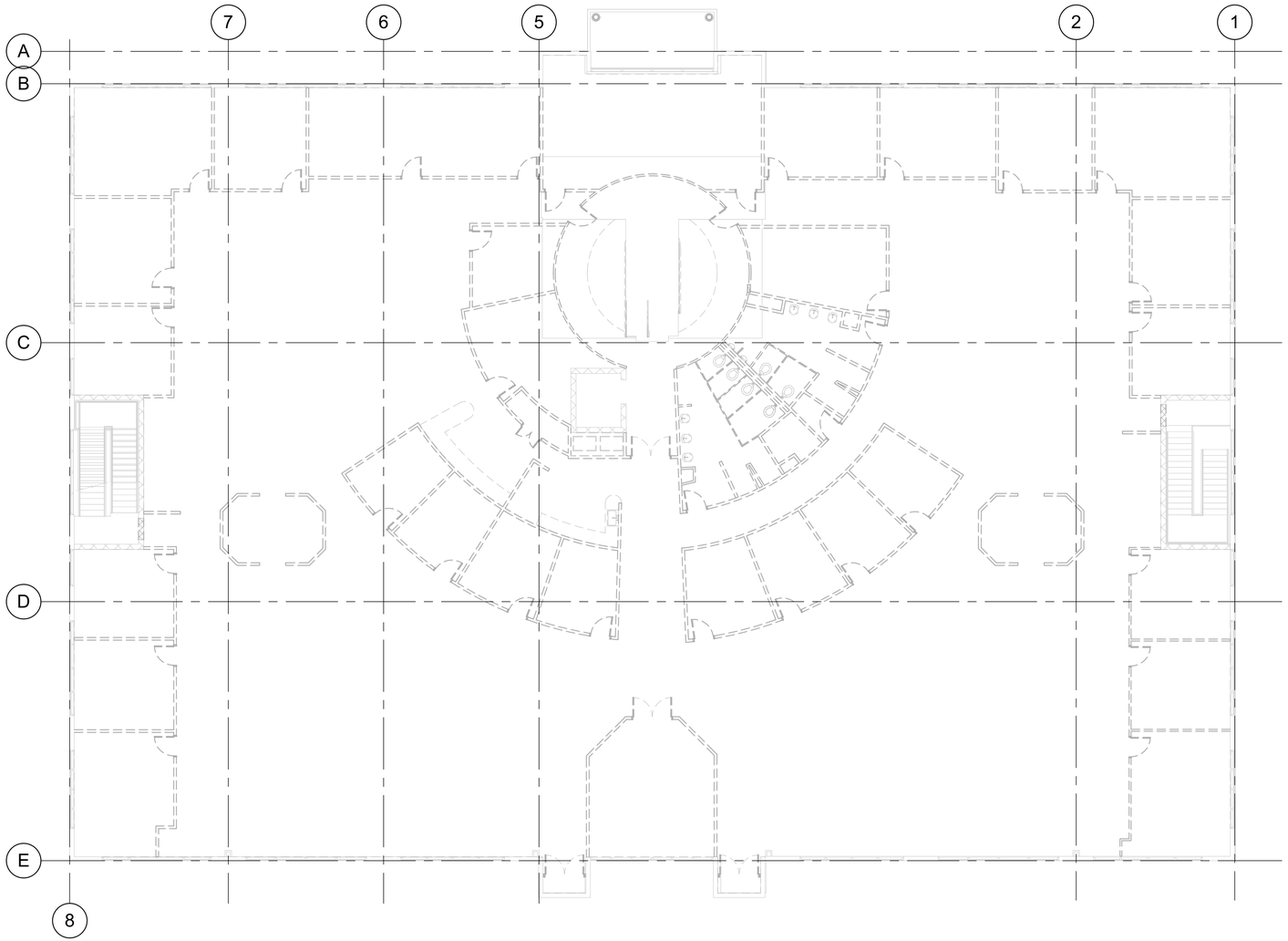
DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 3/10/2022 12:39:39 PM

GENERAL NOTES

A. REMOVE ALL COMMUNICATIONS AND SECURITY DEVICES INCLUDING BUT NOT LIMITED TO CABINETS, RACKS, CABLE TRAY ABOVE THE CEILING, OUTLETS, PAGING SPEAKERS, PAGING EQUIPMENT AND CABLING BACK TO ITS SOURCE. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

B. REMOVE EXPOSED AND ABOVE ACCESSIBLE CEILING ABANDONED CONDUIT AND INNERDUCT. CUT CONDUIT FLUSH WITH WALLS AND FLOORS AND PATCH SURFACES. PROVIDE BLANK COVERS OVER EXISTING TO REMAIN OUTLET BOXES.



B8 - **DEMOLITION - SECOND FLOOR COMMUNICATIONS PLAN**

3/32" = 1'-0"

8 0 8 16 24

Scale: 3/32 INCH = 1 FOOT

N

KEY NORTH

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REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
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BICSI ID# 112947
EXPIRES 12-31-24
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ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
	01/21/2022	95% SUBMISSION			

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

DEMOLITION - SECOND FLOOR COMMUNICATIONS PLAN

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY

SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY S. HANSBERRY
DRAWN BY C. TINKER
CHECKED BY J. HIMES

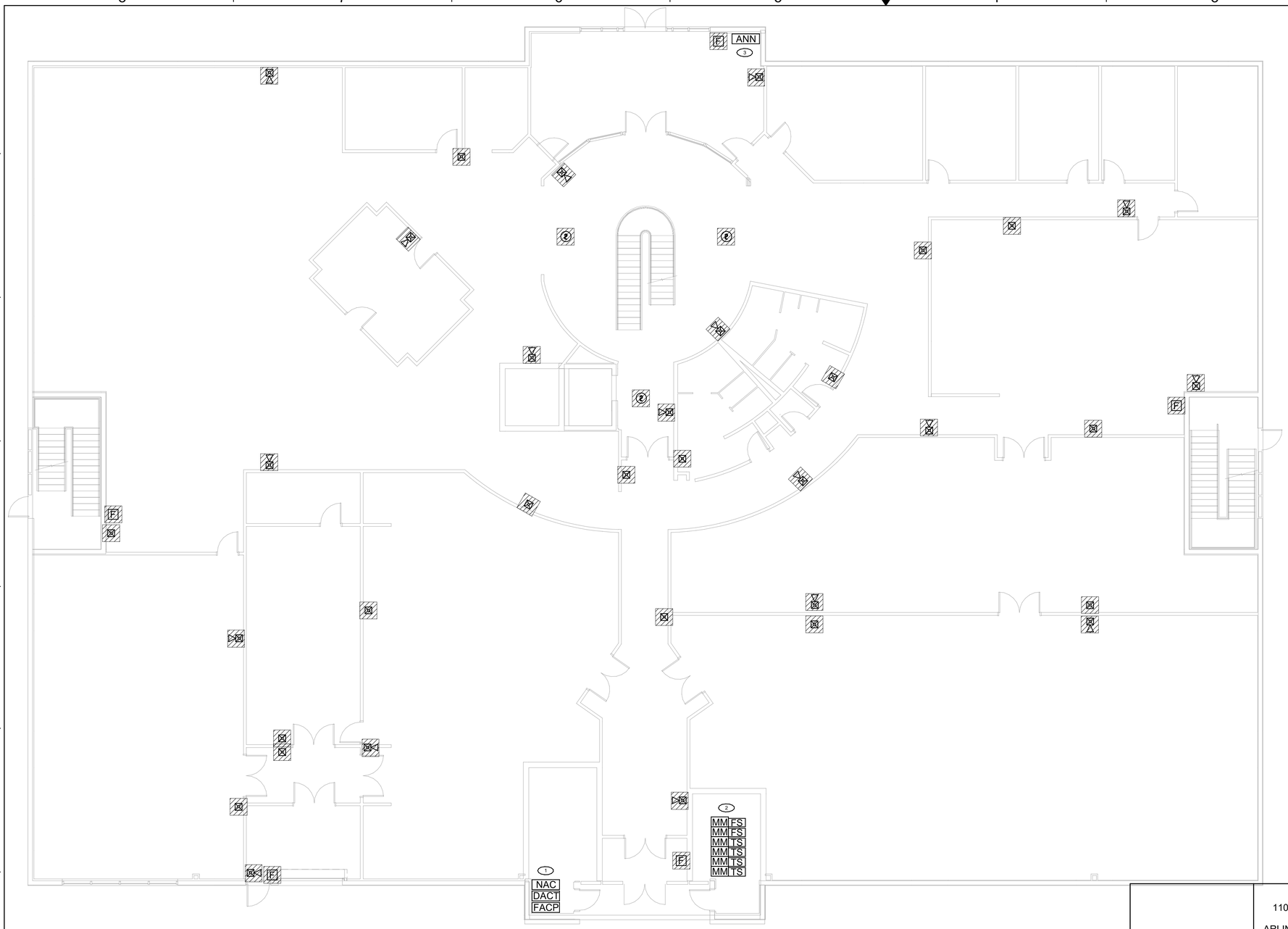
ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 01/21/2022 JCN: 21001763

DRAWING NO. DCCA - D - ADM - D161 REV.

DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 3/10/2022 12:39:39 PM



B8 / D170 FIRST FLOOR DEMOLITION - FIRE ALARM

1/8" = 1'-0"

8 0 8 16
Scale: 1/8 INCH = 1 FOOT

N
KEY NORTH

GENERAL NOTES

A. REFER TO SHEET F001 FOR GENERAL FIRE ALARM NOTES, LEGEND, AND ABBREVIATIONS.

B. EXISTING DEVICE LOCATIONS SHOWN ARE BASED ON THOSE OBSERVED DURING SITE SURVEY. CONTRACTOR SHALL VERIFY ALL EXISTING DEVICE LOCATIONS.

C. EXTENT OF DEMOLITION TO INCLUDE ALL EXISTING NOTIFICATION AND DETECTION DEVICES, AND ASSOCIATED WIRING AND CONDUIT, IN AREA OF WORK. EXISTING FIRE ALARM PANEL AND HEAD-END EQUIPMENT IS TO REMAIN AS NOTED.

DEMOLITION SHEET NOTES

1. EXISTING HEAD END EQUIPMENT INCLUDING FIRE ALARM PANEL, POWER BOOSTER PANELS, AND DACT TO REMAIN AND BE RE-USED FOR THIS RENOVATION.
2. EXISTING MONITORING MODULES FOR FIRE SUPPRESSION TAMPER AND FLOW SWITCHES TO REMAIN AND BE RE-USED.
3. EXISTING FIRE ALARM ANNUNCIATOR MAY BE RE-USED, BUT MUST BE MODIFIED TO REFLECT NEW BUILIDNG LAYOUT, AND RELOCATED AS SHOWN ON SHEET F111.

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STATE OF MARYLAND
JACOB I WATKINS
44038
PROFESSIONAL ENGINEER
03/11/22

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

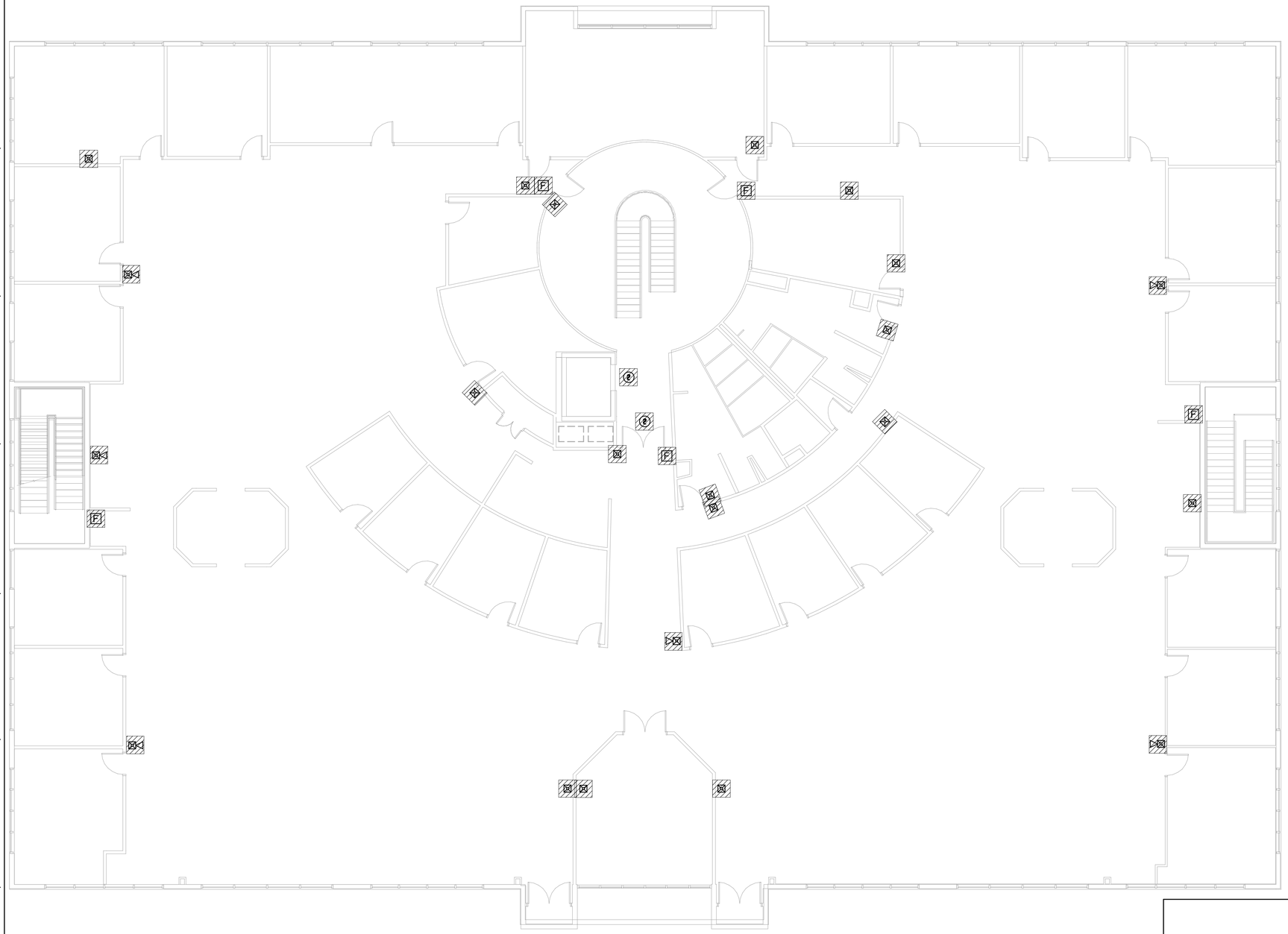
WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR FIRE ALARM DEMOLITION PLAN

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE
	DESIGNED BY J. WATKINS	ISSUED BY ENGINEERING SERVICES TERMINAL
	DRAWN BY J. WATKINS	DATE 03/11/2022 — JCN: 21001763
	CHECKED BY J. BEALS	DRAWING NO. DCCA - D - ADM - D170 — REV.

PLOT DATE/TIME: 3/9/2022 3:59:57 PM



GENERAL NOTES

A. REFER TO SHEET F001 FOR GENERAL FIRE ALARM NOTES, LEGEND, AND ABBREVIATIONS.

B. EXISTING DEVICE LOCATIONS SHOWN ARE BASED ON THOSE OBSERVED DURING SITE SURVEY. CONTRACTOR SHALL VERIFY ALL EXISTING DEVICE LOCATIONS.

C. EXTENT OF DEMOLITION TO INCLUDE ALL EXISTING NOTIFICATION AND DETECTION DEVICES, AND ASSOCIATED WIRING AND CONDUIT, IN AREA OF WORK. EXISTING FIRE ALARM PANEL AND HEAD-END EQUIPMENT IS TO REMAIN AS NOTED.

DEMOLITION SHEET NOTES

B8 / D171

SECOND FLOOR - FIRE ALARM DEMOLITION

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

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STATE OF MARYLAND
JACOB I WATKINS
44038
PROFESSIONAL ENGINEER
03/11/22

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR FIRE ALARM DEMOLITION PLAN

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY J. WATKINS
DRAWN BY J. WATKINS
CHECKED BY J. BEALS

ISSUED BY: ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 — JCN: 21001763
DRAWING NO. DCCA - D - ADM - D171 — REV.

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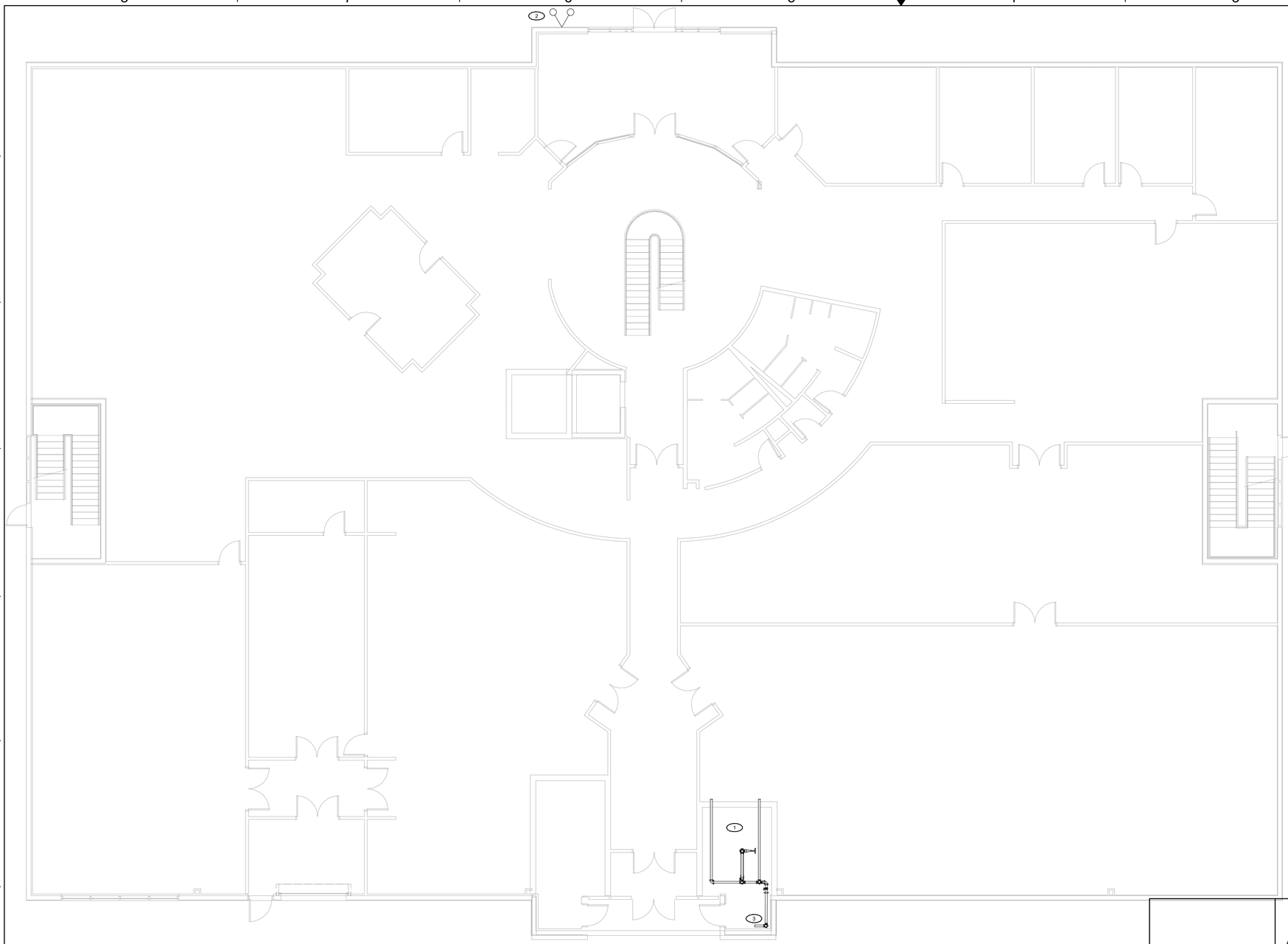

B8 / D172 FIRST FLOOR - FIRE SUPPRESSION DEMOLITION

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL DEMOLITION NOTES

A. REFER TO SHEET F001 FOR GENERAL FIRE PROTECTION NOTES, LEGEND, AND ABBREVIATIONS.

B. ALL EXSTING FIRE SUPPRESSION HEADS, PIPING, AND EQUIPMENT TO BE DEMOLISHED UNLESS SPECIFICALLY NOTED OTHERWISE IN THESE DRAWINGS. EXISTING DEVICE LOCATIONS SHOWN ARE BASED ON THOSE OBSERVED DURING SITE SURVEY. CONTRACTOR SHALL VERIFY ALL EXISTING DEVICE LOCATIONS.

DEMOLITION SHEET NOTES

1. EXISTING INCOMING SERVICE AND FIRE SUPPRESSION METER, BACKFLOW PREVENTER, AND VALVE ASSEMBLIES TO REMAIN AND BE RE-USED FOR THIS RENOVATION (SEE DETAIL X ON SHEET F601 FOR EXISTING RISER CONFIGURATION). DEMOLISH ALL EXISTING FIRST FLOOR SPRINKLER PIPING (EXCEPT FIRE DEPARTMENT CONNECTION FEED) BACK TO THIS ROOM.
2. EXISTING FIRE DEPARTMENT CONNECTION AND ASSOCIATED SUPPLY PIPING AND VALVES TO REMAIN.
3. EXISTING RISER TO SECOND FLOOR SPRINKLER ZONE TO REMAIN.

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

STATE OF MARYLAND
JACOB I WATKINS
44038
PROFESSIONAL ENGINEER
03/11/22

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

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Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR FIRE SUPPRESSION DEMOLITION PLAN

WARRENTON — DCCA ADM — VA

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DCCA ADM
WARRENTON, VA

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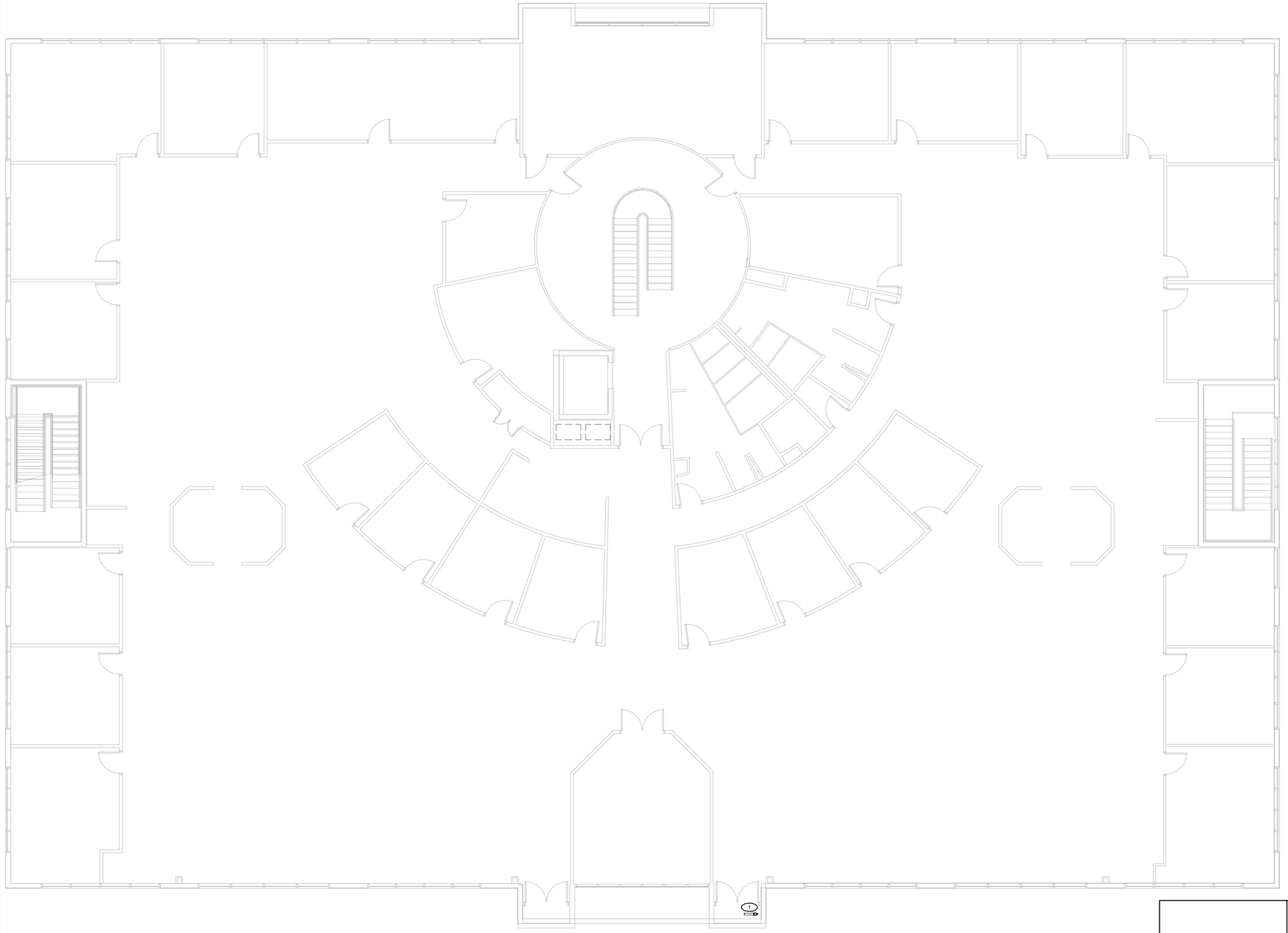

B8 / D173 SECOND FLOOR - FIRE SUPPRESSION DEMOLITION

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL NOTES

A. REFER TO SHEET F001 FOR GENERAL FIRE PROTECTION NOTES, LEGEND, AND ABBREVIATIONS.

B. ALL EXSTING FIRE SUPPRESSION HEADS, PIPING, AND EQUIPMENT TO BE DEMOLISHED UNLESS SPECIFICALLY NOTED OTHERWISE IN THESE DRAWINGS. EXISTING DEVICE LOCATIONS SHOWN ARE BASED ON THOSE OBSERVED DURING SITE SURVEY. CONTRACTOR SHALL VERIFY ALL EXISTING DEVICE LOCATIONS.

DEMOLITION SHEET NOTES

1. DEMOLISH ALL EXISTING SECOND FLOOR SPRINKLER PIPING BACK TO THIS RISER. RISER PIPING IS EXISTING TO REMAIN.

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JACOB I. WATKINS
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DESIGNED BY J. WATKINS	ISSUED BY ENGINEERING SERVICES TERMINAL	DATE 03/11/2022	JCN: 21001763
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PLOT DATE/TIME: 3/9/2022 4:00:00 PM

GENERAL NOTES:

1. ELEVATIONS INDICATED ON THE STRUCTURAL DRAWINGS ARE BASED ON AN ASSUMED TOP OF GROUND FLOOR ELEVATION OF 0' - 0". SEE CIVIL FOR ACTUAL ELEVATION BASED ON MEAN SEA LEVEL.
2. ALL DETAILS, SECTIONS, AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND APPLY TO SIMILAR SITUATIONS, UON.
3. NO CHANGE IN SIZE, DIMENSION OR POSITION OF STRUCTURAL ELEMENTS IS PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE COR.
4. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING CONSTRUCTION AND/OR SUBMITTING SHOP DRAWINGS. REPORT DISCREPANCIES TO THE COR BEFORE PROCEEDING WITH THE WORK.
5. COORDINATE SIZE AND LOCATION OF EQUIPMENT SUPPORTS, FOUNDATIONS, AND HOUSEKEEPING PADS WITH THE ACTUAL EQUIPMENT DIMENSIONS PRIOR TO SUBMITTING SHOP DRAWINGS FOR THESE ELEMENTS.
6. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, AND ELECTRICAL DRAWINGS FOR DIMENSIONS AND LOCATIONS OF OPENINGS, INSERTS, DEPRESSIONS, EQUIPMENT PADS, DRIPS, REVEALS, FINISHES, AND OTHER SUCH PROJECT REQUIREMENTS NOT SHOWN ON STRUCTURAL DRAWINGS.
7. SUBMIT DIMENSIONED COORDINATED SHOP DRAWINGS SHOWING THE LOCATIONS OF ALL SLEEVES AND OPENINGS REQUIRED BY ALL TRADES THROUGH STRUCTURAL ELEMENTS. ANY ADDITIONAL OPENINGS NOT SHOWN ON SHOP DRAWINGS WILL REQUIRE WRITTEN APPROVAL OF THE COR.
8. PROTECT EXISTING AND NEW UTILITIES, STRUCTURAL MEMBERS, FINISHES, ETC. ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE DURING CONSTRUCTION. RESTORATION OF DAMAGED AREAS WILL BE TO THE SATISFACTION OF THE GOVERNMENT, AT NO COST TO THE GOVERNMENT.
9. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILED INFORMATION REGARDING FINISHES, WATERPROOFING, LOCATIONS OF LOAD BEARING AND NON-LOAD BEARING PARTITIONS, EXTERIOR FACE OF BUILDING, ETC.
10. DO NOT REPRODUCE ANY PORTION OF THE STRUCTURAL CONTRACT DRAWINGS FOR RESUBMITTAL AS SHOP DRAWINGS. SHOP DRAWINGS PRODUCED IN SUCH A MANNER WILL BE REJECTED AND RETURNED.
11. DO NOT SCALE THE DRAWINGS FOR PURPOSES OF OBTAINING DIMENSIONS.
12. MAINTAIN STABILITY OF STRUCTURE AT ALL TIMES DURING CONSTRUCTION, PROVIDING TEMPORARY BRACING, SHORING, ETC. AS REQUIRED. RETAIN A QUALIFIED PROFESSIONAL OR STRUCTURAL ENGINEER TO DESIGN TEMPORARY SUPPORT SYSTEM.
13. BASIS OF ALTERATION IS ISSUE FOR CONSTRUCTION DRAWINGS FROM KOPF CONSULTING GROUP DATED SEPTEMBER 5, 2006.

CODES AND STANDARDS:

THE FOLLOWING CODES AND STANDARDS AS MODIFIED BY THE REFERENCED UFC PUBLICATIONS, INCLUDING ALL SPECIFICATIONS REFERENCED, APPLY TO THE DESIGN AND CONSTRUCTION OF THIS PROJECT:

1. IBC 2018, *INTERNATIONAL BUILDING CODE*
2. ASCE 7-16, *MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES*
3. IEBC 2018, *INTERNATIONAL EXISTING BUILDING CODE*
4. ACI 318-14, *BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE*
5. TMS 402-16, *BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES*
6. AISC 360- 16, *SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS*
7. AWS D1.1-15, *STRUCTURAL STEEL WELDING CODE*
8. SDI C-2017, *STANDARD FOR COMPOSITE STEEL FLOOR DECK - SLABS*
9. SDI RD-2017, *STANDARD FOR STEEL ROOF DECK*

DESIGN LOADS AND CRITERIA:

1. SUPERIMPOSED DEAD AND LIVE LOADS

LOCATION	SUPERIMPOSED DEAD LOAD	SUPERIMPOSED LIVE LOAD
STAIRS AND SECOND FLOOR-CORRIDORS AND ASSEMBLY AREAS	15 PSF	100 PSF
SECOND FLOOR- OFFICE AREA	15 PSF	50 PSF
ROOF	15 PSF	20 PSF

2. BUILDING RISK CATEGORY — II
3. SNOW LOADS
   - A. GROUND SNOW LOAD, Pg — 30 PSF
   - B. IMPORTANCE FACTOR, Is — 1.0
   - C. EXPOSURE FACTOR, Ce — 1.0
   - D. THERMAL FACTOR, Ct — 1.0
   - E. FLAT ROOF SNOW LOAD, Pf — 21 PSF
   - F. MINIMUM UNIFORM DESIGN LOAD — 21 PSF
4. WIND LOADS
   - A. ULTIMATE WIND SPEED WIND — 110 MPH
   - B. ENCLOSURE CLASSIFICATION — ENCLOSED
   - C. EXPOSURE CATEGORY — C
   - D. DIRECTIONALITY FACTOR, Kd — 0.85
   - E. TOPOGRAPHIC FACTOR, Kzt — 1.0
   - F. INTERNAL PRESSURE COEFFICIENT — ± 0.18
5. SEISMIC LOADS
   - A. IMPORTANCE FACTOR, Ie — 1.0
   - B. SITE SOIL CLASSIFICATION — B
   - C. SHORT PERIOD SPECTRAL ACCELERATION, Ss — 0.15
   - D. 1-SECOND PERIOD SPECTRAL ACCELERATION, Ss — 0.046
   - E. LATERAL LOAD RESISTING SYSTEM — ORDINARY REINFORCED CONCRETE SHEAR WALLS
   - F. RESPONSE MODIFICATION FACTOR, R — 4.5
   - G. DEFLECTION AMPLIFICATION FACTOR, Cd — 4.0
   - H. ANALYSIS PROCEDURE — EQUIVALENT LATERAL FORCE PROCEDURE

FOUNDATIONS AND EARTHWORK:

1. PLACE FOUNDATIONS AND SLABS ON UNDISTURBED, NATURAL SUBGRADE OR SELECT FILL COMPACTED TO 95% OF MAXIMUM DRY DENSITY BASED ON ASTM D1557. FOUNDATIONS DESIGNED FOR ALLOWABLE SOIL BEARING CAPACITY OF 2500 PSF PER ORIGINAL DESIGN DRAWINGS.

CAST-IN-PLACE CONCRETE:

1. CONCRETE MUST HAVE NORMAL WEIGHT COARSE AGREGATES CONFORMING TO ASTM C33, TYPE II OR I/II CEMENT CONFORMING TO ASTM C150, AND MUST HAVE MINIMUM COMPRESSIVE STRENGTH (F'C) OF 4,000 PSI AT 28 DAYS UON.
2. CONCRETE REINFORCING:
   - A. PLAIN WELDED WIRE — ASTM A1064, SUPPLIED IN FLAT SHEETS.
   - B. DEFORMED BARS — ASTM A615, GRADE 60 UON.
3. CONCRETE COVER OVER REINFORCING MUST BE AS FOLLOWS, UON:
   - A. CONCRETE CAST AGAINST & PERMANENTLY IN CONTACT WITH THE GROUND: 3"
   - B. CONCRETE EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND
     - a. #5 & SMALLER: 1 1/2"
     - b. #6 & LARGER: 2"
   - C. CONCRETE SLABS NOT EXPOSED TO EARTH OR WEATHER: 3/4"
4. SPLICE REINFORCING BARS PER ACI 318 WITH CLASS B TENSION LAP SPLICES
5. WWR MUST BE LAP SPLICED PER ACI 318 AND TIED SECURELY.
6. DOWELS MUST MATCH SIZE AND SPACING AND CLASS B TENSION LAP SPLICED WITH THE MAIN REINFORCEMENT, UON.
7. DO NOT WELD OR FIELD BEND REINFORCING UNLESS INDICATED OR APPROVED IN WRITING BY THE COR. DO NOT HEAT REBAR WITH A TORCH IN THE FIELD.
8. ROUGHEN CONSTRUCTION JOINTS TO A MAGNITUDE OF 1/4-INCH. PRIOR TO PLACING ADDITIONAL CONCRETE, CLEAN JOINTS WITH A STIFF WIRE BRUSH AND APPLY A BONDING AGENT OR CEMENT SLURRY.
9. CHAMFER ALL EXPOSED CORNERS 3/4", UON.

REINFORCING BAR DEVELOPMENT LENGTHS (INCHES)
f'c = 4000 PSI

BAR SIZE	UNCOATED				EPOXY-COATED			
	TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2
#3	19	28	15	22	25	37	22	33
#4	25	37	19	29	33	49	29	43
#5	31	47	24	36	41	61	36	54
#6	37	56	29	43	49	73	43	65
#7	54	81	42	63	71	106	63	94
#8	62	93	48	72	81	121	72	107
#9	70	105	54	81	91	137	81	121
#10	79	118	61	91	103	154	91	136
#11	87	131	67	101	114	171	101	151

TABLE NOTES:

A. "TOP BARS" ARE DEFINED AS ANY BARS IN WHICH THE DEPTH OF CONCRETE CAST IN ONE LIFT BENEATH THE BARS EXCEEDS 12 INCHES.

B. CASE 1: CLEAR SPACING OF BARS DEVELOPED OR SPLICED NOT LESS THAN Db, CLEAR COVER NOT LESS THAN Db, AND STIRRUPS OR TIES THROUGHOUT Ld NOT LESS THAN CODE MINIMUM; OR CLEAR SPACING OF BARS NOT LESS THAN 2Db AND CLEAR COVER NOT LESS THAN Db.

C. CASE 2: BARS DEVELOPED OR SPLICED NOT MEETING THE REQUIREMENTS OF CASE 1.

D. SPLICE LENGTHS: CLASS B TENSION SPLICE = 1.3XLd, 12" MIN

MASONRY:

1. CONCRETE MASONRY COMPONENTS AND ASSEMBLIES MUST BE AS FOLLOWS:
   - A. CONCRETE MASONRY UNITS - ASTM C90, NORMAL WEIGHT, f'c = 2000-PSI
   - B. GROUT - ASTM C467, f 'c = 3000 PSI
   - C. DESIGN STRENGTH, f'm = 2000-PSI
   - D. MORTAR - ASTM C270, REFER TO THE PROJECT SPECIFICATIONS FOR THE TYPE OF MORTAR IN NON-LOAD BEARING CMU WALLS AND PARTITIONS.
2. PROVIDE REINFORCING BARS CONFORMING TO ASTM A615, fy = 60-KSI.
3. REINFORCE MASONRY WALLS WITH #5 AT 32-INCHES ON CENTER, UON.
4. REINFORCEMENT PLACED IN BOND BEAMS MUST BE LAPPED A MINIMUM OF 48 BAR DIAMETERS AT SPLICES.
5. PROVIDE 9 GAGE WIRE LADDER-TYPE AND ZINC-COATED, COLD-DRAWN STEEL WIREBED JOINT REINFORCING AT AT EVERY SECOND BED JOINT.
6. DOWELS MUST MATCH MAIN REINFORCING SIZE AND SPACING.
7. PLACE MASONRY BLOCKS IN A RUNNING BOND PATTERN.

STRUCTURAL STEEL:

1. STRUCTURAL STEEL MUST CONFORM TO THE FOLLOWING DESIGNATIONS, UON:
   - A. W & WT SHAPES — ASTM A992
   - B. ROUND, RECTANGULAR & SQUARE HSS — ASTM A500, GRADE C
   - C. OTHER STEEL (PLATES, CHANNELS, ETC.) — ASTM A36
2. WELDING ELECTRODES AND FLUXES MUST CONFORM TO ONE OF THE SPECIFICATIONS OF THE AWS LISTED IN STRUCTURAL WELDING CODE - STEEL, AWS D1.1. ELECTRODES MUST HAVE A MINIMUM TENSILE STRENGTH OF 70 KSI. FILLET WELDS MUST HAVE A MINIMUM SIZE OF 1/4", UON. INCREASE THE EFFECTIVE THROAT OF THE WELD TO MAINTAIN THE REQUIRED WELD SIZE WHEN PARTS JOINED BY FILLET WELDS ARE SEPARATED. THE ROOT OPENING MUST NOT EXCEED 3/16".
3. BOLTED CONNECTIONS MUST HAVE A MINIMUM OF (2) 3/4" DIAMETER HIGH STRENGTH BOLTS.
4. MEMBERS EXPOSED TO WEATHER MUST BE HOT DIPPED GALVANIZED.
5. PROVIDE ZINC COATED (GALVANIZED) BOLTS, NUTS, AND WASHERS TO CONNECT GALVANIZED STEEL MEMBERS.
6. DO NOT CUT OPENINGS IN STRUCTURAL MEMBERS WITHOUT WRITTEN APPROVAL FROM THE COR.
7. PROVIDE STEEL TO STEEL CONNECTIONS NOT SPECIFICALLY DETAILED ON THE DRAWINGS FOR NO LESS THAN THE SHEAR CAPACITY OF THE CONNECTING MEMBER.

METAL DECKING:

1. METAL DECK MUST CONFORM TO THE REQUIREMENTS OF ASTM A653, Fy = 40 KSI MIN, GALVANIZED 60, UON.
2. SPECIFIED DECK GAGES AND DEPTHS ARE MINIMUM, AND HAVE BEEN SELECTED BASED ON UNSHORED SINGLE SPAN CONSTRUCTION.
3. DECK MUST HAVE THE FOLLOWING MINIMUM PROPERTIES PER FOOT OF WIDTH:
   ROOF LEVEL: 1 1/2" TYPE B, 22 GAGE, ROOF DECK
   $Ip = 0.155\ IN^4$ $Sp = 0.186\ IN^3$ $In = 0.183\ IN^4$ $Sn = 0.192\ IN^3$
   SECOND FLOOR: 3", 20 GAGE, COMPOSITE DECK
   $Ip = 0.907\ IN^4$ $Sp = 0.512\ IN^3$ $In = 0.909\ IN^4$ $Sn = 0.538\ IN^3$
   PLATFORM STAIR RISERS ON CFMF: 9/16", 24 GAGE, NON-COMPOSITE DECK
   $Ip = 0.019\ IN^4$ $Sp = 0.057\ IN^3$ $In = 0.019\ IN^4$ $Sn = 0.057\ IN^3$
4. BEAR DECK AT LEAST 1-1/2" ON STRUCTURAL SUPPORTS.
5. PROVIDE #10 SELF DRILLING SCREWS AT EACH END AND AT INTERMEDIATE SUPPORTS OF DECK UNITS. MAXIMUM SPACING OF SCREWS ACROSS WIDTH OF THE UNITS MUST BE 12" ON CENTER.
6. LONGITUDINAL EDGES AND SIDE LAPS SUPPORTED BY STEEL MEMBERS MUST BE FASTENED WITH #10 SCREWS AT A MAXIMUM SPACING OF 24" ON CENTER ALONG THE LENGTH OF THE PANEL.
7. LONGITUDINAL ADJACENT SIDELAPS WITHOUT STEEL SUPPORT MUST BE FASTENED WITH MINIMUM SIZE #10 SELF DRILLING SCREWS BETWEEN SUPPORTS AT A MAXIMUM SPACING OF 24" ON CENTER.
8. LONGITUDINAL EDGE CLOSURES MUST BE FASTENED BY SCREWS AT A MAXIMUM SPACING OF 24" ON CENTER.
9. PROVIDE CONTINUOUS SHEET METAL CLOSURES AT ALL SLAB OPENINGS AND SLAB EDGES AND CONTINUOUS DECK CLOSURE AT ALL DECK ENDS.
10. PROVIDE SUPPLEMENTAL FRAMING AT OPENINGS AS REQUIRED FOR SUPPORT OF THE METAL DECK. ALL OPENINGS MUST BE COORDINATED WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS.
11. HANG NO LOADS EXCEEDING 50 POUNDS FROM ANY STEEL DECKING. DUCTS & PIPES LESS THAN 12 INCHES DIAMETER MAY BE HUNG DIRECTLY FROM ANCHORS CAST OR POST-INSTALLED IN THE CONCRETE SLAB OF COMPOSITE DECKS. ALL PIPES, DUCTS, AND EQUIPMENT BENEATH ROOF DECKS AND PIPES & DUCTS LARGER THAN 12 INCHES BENEATH COMPOSITE CONCRETE AND STEEL DECK SLABS MUST BE SUPPORTED BY THE STRUCTURAL STEEL FRAME OR SUPPLEMENTARY MEMBERS THAT ARE DIRECTLY SUPPORTED BY THE STRUCTURAL STEEL FRAMING.

POST INSTALLED ANCHORS:

1. MATERIALS:
   - A. CARBON STEEL WEDGE ANCHOR STUDS: ASTM A 510 OR ASTM A 108.
   - B. NUT & WASHER: COMPATIBLE WITH STUD MATERIAL & FINISH.
   - C. CARBON STEEL THREADED ROD: ISO 898 CLASS 5.8.
   - D. CONCRETE REINFORCING DOWELS: ASTM A 615, GRADE 60
   - E. MESH SCREEN TUBE: CYLINDRICAL SHAPE WITH ONE END CLOSED MANUFACTURED FROM ZINC PLATED LOW CARBON STEEL OR STAINLESS STEEL. MESH SIZE, DIAMETER, AND LENGTH AS SPECIFIED BY ADHESIVE MANUFACTURER
2. MECHANICAL ANCHORS AND THREADED INSERTS MUST BE CARBON STEEL WITH ZINC PLATING IN ACCORDANCE WITH ASTM B 633,TYPE III Fe/Zn 5 (SC1), UON.
3. POST-INSTALLED ANCHORS MANUFACTURED BY HILTI, INC. ARE SPECIFIED AS A BASIS OF DESIGN AND TO ESTABLISH THE DESIRED QUALITY AND PERFORMANCE OF THE WORK. OTHER APPROVED MANUFACTURERS ARE:
   - A. SIMPSON STRONG TIE.
   - B. POWERS FASTENERS.
4. ANCHORING TO CONCRETE: TYPE AND SIZE AS INDICATED.
   - A. MECHANICAL ANCHORS:
     - a. MECHANICAL ANCHORS USED IN CONCRETE MUST HAVE BEEN TESTED AND PREQUALIFIED FOR PERFORMANCE IN CRACKED AND UNCRACKED CONCRETE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193, INCLUDING SEISMIC SHEAR AND TENSION.
     - b. EXPANSION ANCHORS: WEDGE TYPE, TORQUE CONTROLLED ANCHORS.
   - B. ADHESIVE ANCHORS:
     - a. ANCHORS CONSISTING OF AN INSERT AND CARTRIDGE TYPE, TWO COMPONENT, EPOXY OR HYBRID ADHESIVE DISPENSED AND MIXED THROUGH A STATIC MIXING NOZZLE PROVIDED BY THE ADHESIVE MANUFACTURER.
     - b. ADHESIVE MUST HAVE BEEN TESTED AND PREQUALIFIED FOR PERFORMANCE IN CRACKED AND UNCRACKED CONCRETE IN ACCORDANCE WITH ICC-ES AC308, INCLUDING SEISMIC SHEAR & TENSION, HORIZONTAL AND OVERHEAD INSTALLATIONS, AND LONG TERM CREEP.
5. IDENTIFY POSITION OF REINFORCING STEEL AND OTHER EMBEDDED ITEMS PRIOR TO DRILLING HOLES FOR ANCHORS. EXERCISE CARE IN DRILLING TO AVOID DAMAGING EXISTING REINFORCING OR EMBEDDED ITEMS. STOP WORK AND NOTIFY THE COR IF REINFORCING STEEL OR OTHER EMBEDDED ITEMS ARE ENCOUNTERED DURING DRILLING.
6. INSTALL ANCHORS IN DRY HOLES IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS. EMBED ANCHORS INTO THE SUBSTRATE AS INDICATED IN THE POST-INSTALLED ANCHOR SCHEDULE UON.

POST-INSTALLED ANCHOR SCHEDULE

ANCHORING TO NORMAL-WEIGHT CONCRETE

ANCHOR TYPE	BASIS OF DESIGN	ANCHOR DIAMETER	MINIMUM EFFECTIVE EMBEDMENT, UON
EXPANSION	KWIK-BOLT TZ2	1/2"	3 1/4"
		5/8"	4"
		3/4"	4 3/4"
ADHESIVE	HY-200	1/2" -1"	AS INDICATED
	HIT-RE 500 V3	#3 - #6	AS INDICATED

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COMMONWEALTH OF VIRGINIA
BYRON L. COOK
Lic. No. 024732
11 March 2022
PROFESSIONAL ENGINEER

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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

STRUCTURAL GENERAL NOTES

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
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WARRENTON, VA

DESIGNED BY C. MACKAIL
DRAWN BY C. MACKAIL
CHECKED BY C. DALY
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DATE 01/21/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - S001
REV.

PLOT DATE/TIME: 3/10/2022 7:33:12 AM

COLD FORMED METAL FRAMING:

1. PROVIDE LIGHT GAUGE METAL FRAMING MEMBERS OF THE TYPE, SIZE, AND GAUGE SHOWN ON THESE DRAWINGS AND ARCHITECTURE DRAWINGS AND THE FOLLOWING REQUIREMENTS.
2. FORM STUDS, JOISTS, AND ACCESSORIES FROM STEEL HAVING A G60 GALVANIZED COATING CONFORMING TO ASTM A924.
3. WELDING, WHERE PERMITTED, MUST BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS ON ROD TYPE AND AMPERAGE. MINIMUM GAUGE FOR WELDING IS 54 MIL. WELDS MUST BE TOUCHED UP WITH ZINC RICH PRIMER.
4. PROVIDE AND INSTALL LIGHT GAUGE MEMBERS AS PER MANUFACTURER'S RECOMMENDATIONS REGARDING MINIMUM INSTALLATION STANDARDS FOR BEARING, BRIDGING, AND BRACING.
5. WHERE TYPE, SIZE, AND GAUGE ARE NOT SHOWN, DESIGN AND PROVIDE LIGHT GAUGE MEMBERS AS PER AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" FOR INTERIOR WALL LATERAL PRESSURE (5 PSF SERVICE) LOADING.
6. LIGHT GAUGE MEMBER DESIGNATIONS ARE PER THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA). SEE SSMA FOR THICKNESS, SIZE, AND TYPE DESIGNATIONS.

DELEGATED DESIGN:

THE FOLLOWING MUST BE DESIGNED BY THE CONTRACTOR'S LICENSED PROFESSIONAL ENGINEER:

1. STEEL-TO-STEEL CONNECTIONS NOT SPECIFICALLY DETAILED ON THE DRAWINGS.
2. HAND AND GUARDRAILS DESIGNED FOR A 50 POUND PER LINEAL FOOT AND 200 POUND (NONCONCURRENT) ACTING IN ANY DIRECTION . SEE ARCHITECTURE DRAWINGS FOR LOCATIONS AND INFORMATION.
3. UNISTRUT FRAMING FOR LIGHTS AND BAFFLE CEILING.
4. LIGHT GAUGE VERTICAL AND HORIZONTAL FRAMING, HORIZONTAL BRACING AND BLOCKING, CROSS BRACING, CONNECTIONS, ANCHORS, ETC.
5. MECHANICAL EQUIPMENT SUPPORTS.

DEMOLITION

1. ALL WORK SHALL BE IN GENERAL COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE.
2. FURNISH ALL LABOR AND MATERIALS NECESSARY TO PERFORM THE DEMOLITION WORK IN A COMPLETED MANNER SUCH THAT NEW WORK CAN BE INSTALLED WITH MINIMUM PREPARATION.
3. CONTRACTOR SHALL INCLUDE IN THE SCOPE OF WORK ALL ASPECTS OF REQUIRED DEMOLITION, SHORING OF EXISTING STRUCTURE, STAGING THE REPAIR TASKS AND SCHEDULING THE WORK IN A MANNER APPROVED BY COR, CLEAN UP AFTER PORTIONS OF WORK ARE PERFORMED AND CLEAN UP AFTER THE ENTIRE REPAIR IS COMPLETED.
4. CONTRACTOR SHALL BE SOLELY RESOPNSIBLE FOR ALL TEMPORARY SHORING AND BRACING REQUIRED FOR DEMOLITION OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF AND PROCEDURES FOR THE REQUIRED TEMPORARY SHORING. TEMPORARY SHORING SHALL BE IN CONFORMANCE WITH OSHA REGULATIONS.
5. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT DAMAGE OF THE EXISTING STRUCTURE. IN THE EVENT OF DAMAGE, CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND CONTACT THE COR AND THE EOR FOR ASSESSMENT OF THE DAMAGE.
6. SCHEDULE ALL WORK IN A CAREFUL MANNER WITH ALL NECESSARY CONSIDERATION FOR FACILITY OPERATIONS, AND FACILITY PERSONNEL. ANY DAMAGE TO PERSON OR PROPERTY AS A RESULT OF DEMOLITION AND RELATED WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. ERECT BARRIERS FENCES, GUARDRAILS, WARNING DEVICES AND SHORING TO PROTECT PERSONNEL WORKING IN THE AREA.
8. SUBMIT PROCEDURES AND SCHEDULE PROPOSED FOR THE ACCOMPLISHMENT OF THE DEMOLITION WORK TO THE OWNER FOR APPROVAL. INCLUDE SAFE CONDUCT OF THE WORK, DISPOSITION OF MATERIALS, PROTECTION OF REMAINING PROPERTY AND COORDINATION WITH OTHER WORK.

SELECTIVE CONCRETE DEMOLITION

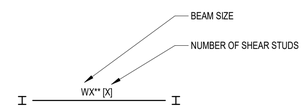
1. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, INCLUDING EMBEDDED UTILITY CONDUITS AT THE JOB SITE PRIOR TO CONSTRUCTION AND THE SUBMISSION OF SHOP DRAWINGS AND SHALL NOTIFY THE COR IMMEDIATELY OF ANY DISCREPANCIES. VERIFICATIONS AND NOTIFICATION SHALL PROCEED PRIOR TO THE START OF WORK SO THAT ANY NECESSARY CHANGES CAN BE MADE WITHOUT DELAYING THE PROJECT SCHEDULE.
2. CONTRACTOR SHALL LOCATE AND VERIFY EXISTING TOP AND BOTTOM AND/OR HORIZONTAL AND VERTICAL REINFORCING STEEL WITH PACHOMETER PRIOR TO DEMOLITION.
3. CONTRACTOR SHALL SAW-CUT EXISTING FLOOR SLAB AND/OR WALL FOR NEW FLOOR AND/OR WALL OPENING. CONTRACTOR SHALL MINIMIZE DAMAGE TO THE EXISTING STRUCTURE. NO OVER-CUTTING AT CORNERS IS PERMITTED.
4. DEMOLITION EQUIPMENT SHALL BE LIMITED TO POWER SAWS, CORE DRILLS AND SMALL CHIPPING HAMMERS (#5).
5. CONTRACTOR SHALL CORE DRILL CORNERS OF SLAB AND/OR WALL OPENING WITH 4-INCH DIAMETER (MIN.) CORE BIT AND DETAIL CORNER WITH CHIPPING HAMMER TO PREVENT OVER CUTTING OF SLAB AND/OR WALL OPENING.

SYMBOLS

ONE-WAY SLAB OR DECK SPAN

AREA OF DEMOLITION

BEAM DEMOLITION



ABBREVIATIONS

&	AND
@	AT
ACI	AMERICAN CONCRETE INSTITUTE
ADDL	ADDITIONAL
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ARCH	ARCHITECT or ARCHITECTURAL
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS
AWS	AMERICAN WELDING SOCIETY
B/	BOTTOM OF
BLDG	BUILDING
BOT	BOTTOM
BTWN	BETWEEN
C/C	CENTER TO CENTER
CFMF	COLD FORMED METAL FRAMING
CJ	CONTROL JOINT
CL	CENTER LINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
COR	CONTRACTING OFFICER'S REPRESENTATIVE
D	DEPTH
db	REINFORCING BAR DIAMETER
DEMO	DEMOLITION
DIA	DIAMETER
DIM	DIMENSION
DWG(S)	DRAWING(S)
(E)	EXISTING
EA	EACH
EF	EACH FACE
EL	ELEVATION
ELECT	ELECTRIC or ELECTRICAL
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
ETC	ETCETERA
EX/EXIST	EXISTING
EXT	EXTERIOR
FDN	FOUNDATION
FLR	FLOOR
FT	FOOT or FEET
FTG	FOOTING
GA	GAGE or GAUGE
GALV	GALVANIZED
HORZ	HORIZONTAL
HP	HIGH POINT
HT	HEIGHT
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
IN	INCH
INFO	INFORMATION
INT	INTERIOR
JT	JOINT
K	KIPS (1000 POUNDS)
KB	KNEE BRACE
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
L	LENGTH
LB(S)	POUND(S)
Ld	REINFORCING BAR DEVELOPMENT LENGTH
LL	LIVE LOAD
LP	LOW POINT
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
MANUF	MANUFACTURE(R)
MAX	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL AND PLUMBING
MEZZ	MEZZANINE
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
N	NORTH
(N)	NEW
NIC	NOT IN CONTRACT
No. or #	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE or OPPOSITE HAND
P/C	PRECAST CONCRETE
PEN	PENETRATION
PLUMB	PLUMBING
PSF	POUND PER SQUARE FOOT
PSI	POUND PER SQUARE INCH
RAD	RADIUS
REBAR	REINFORCING STEEL BARS
REF	REFERENCE
REINF	REINFORCEMENT or REINFORCING
REQD	REQUIRED
REV	REVISION
RO	ROUGH OPENING
SCHED	SCHEDULE
SDI	STEEL DECK INSTITUTE
SHT	SHEET
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SOG	SLAB-ON-GRADE
SPEC	SPECIFICATION
STD	STANDARD
STL	STEEL
STRUC	STRUCTURAL
T/	TOP OF
T&B	TOP AND BOTTOM
TEMP	TEMPORARY
THK	THICK or THICKNESS
THRU	THROUGH
TMS	THE MASONRY SOCIETY
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF SLAB
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
W/C	WATER-CEMENTITIOUS MATERIAL RATIO
W/O	WITHOUT
WP	WORK POINT
WT	WEIGHT
WWR	WELDED WIRE REINFORCING

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COMMONWEALTH OF VIRGINIA
BYRON L. COOK
Lic. No. 024732
11 March 2022
PROFESSIONAL ENGINEER

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Jacobs

DCCA ADM
WARRENTON, VA

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

STRUCTURAL GENERAL NOTES AND ABBREVIATIONS

WARRENTON — DCCA ADM — VA

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DESIGNED BY C. MACKAIL
DRAWN BY C. MACKAIL
CHECKED BY C. DALY
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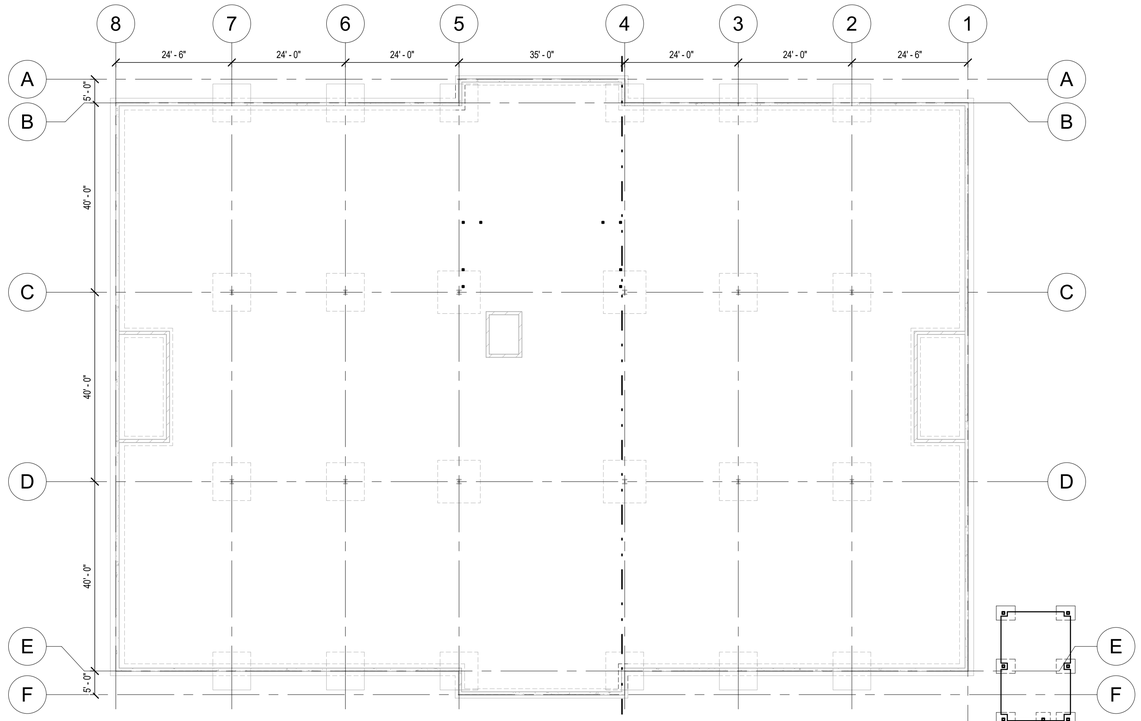
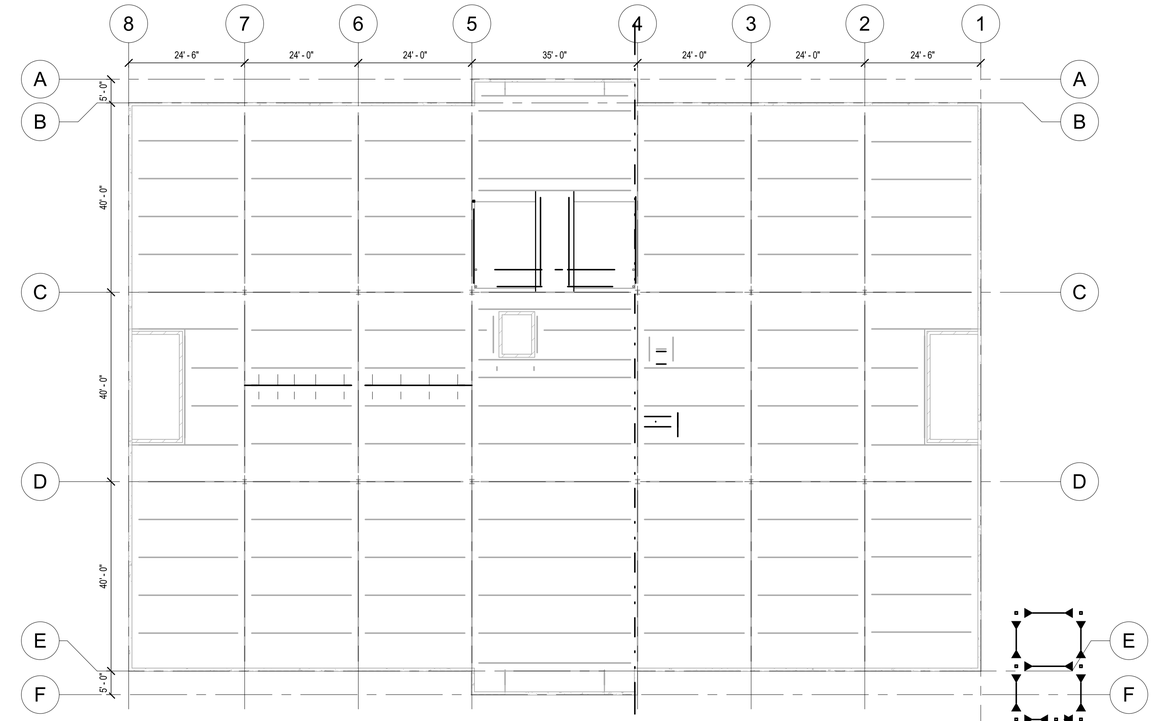
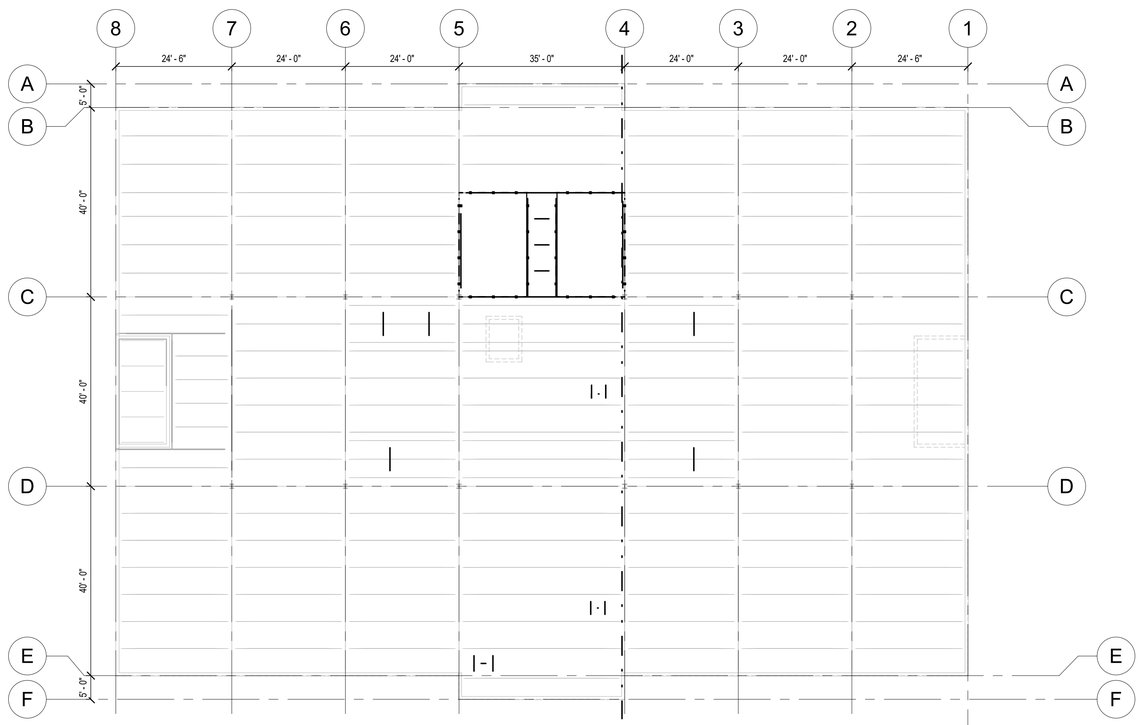


E8 S050 **STRUCTURAL FOUNDATION AND FIRST FLOOR PLAN - OVERALL**
1/16" = 1'-0"



E4 S050 **STRUCTURAL SECOND FLOOR FRAMING PLAN - OVERALL**
1/16" = 1'-0"



A8 S050 **STRUCTURAL ROOF FRAMING PLAN - OVERALL**
1/16" = 1'-0"

16 0 16 32
Scale: 1/16 INCH = 1 FOOT

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WARRENTON ADMINISTRATIVE BUILDING

STRUCTURAL OVERALL PLANS

WARRENTON — DCCA ADM — VA

COMMONWEALTH OF VIRGINIA
BYRON L. COOK
Lic. No. 024732
11 March 2022
PROFESSIONAL ENGINEER

Jacobs

DCCA ADM
WARRENTON, VA

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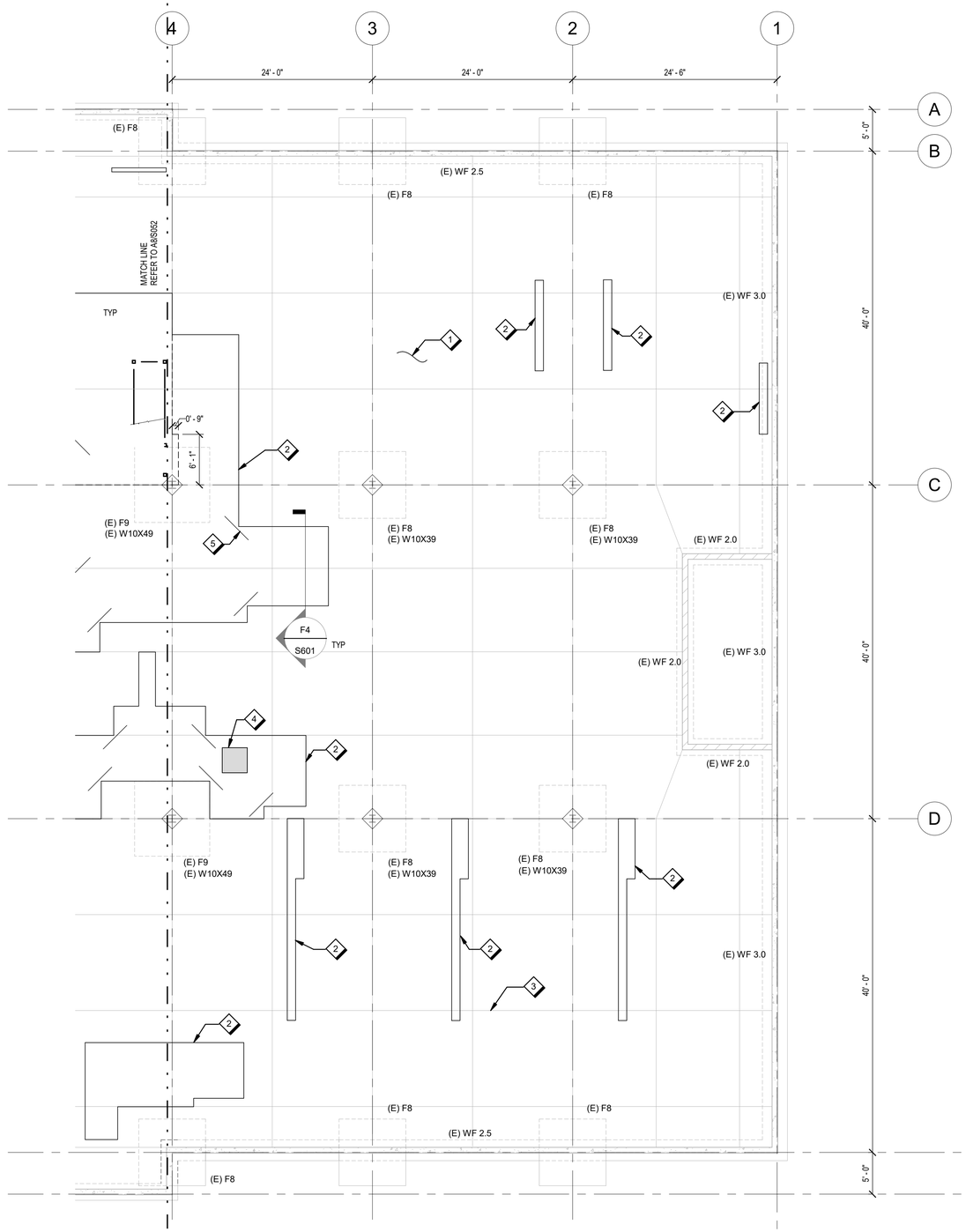
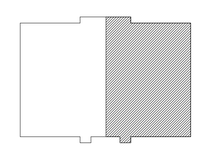


A8 S051 **STRUCTURAL FOUNDATION AND FIRST FLOOR PLAN - PART 1**

1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. ELEVATIONS SHOWN FROM REFERENCE DATUM, UON.

B. SEE S-001 AND S-002 FOR GENERAL NOTES AND ABBREVIATIONS.

C. COORDINATE EQUIPMENT AND COMPONENT'S DIMENSIONS WITH ARCH, MECH, ELEC, PLUMB, AND FP DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS.

D. TOP OF SLAB-ON-GROUND ELEVATION = 0' - 0"

E. TOP OF EXTERIOR FOOTING ELEVATION = [-1' - 6"], VERIFY IN FIELD

F. TOP OF INTERIOR FOOTING ELEVATION = [-1' - 0"], VERIFY IN FIELD

G. MARKERS INDICATE EXISTING STRUCTURAL ELEMENTS AS FOLLOWS:

(E) FX = FOOTING
(E) CW = CONCRETE WALL
(E) WX = STEEL SHAPE
(E) WFX = WALL FOOTING
(E) MW = MASONRY WALL

EXISTING FOOTING SCHEDULE

FOOTING MARK	PLAN DIMENSION	THICKNESS
F8	8'-0" SQUARE	16"
F9	9'-0" SQUARE	20"
WF 2.0	2'-0" WIDE	18"
WF 2.5	2'-6" WIDE	18"
WF 3.0	3'-0" WIDE	18"

SHEET NOTES

1 EXISTING 6" SLAB-ON-GROUND.

2 INFILL AREA WITH 6" THICK CONCRETE SLAB.

3 EXISTING SLAB-ON-GROUND CONTROL JOINT.

4 6" THICK EQUIPMENT PAD, SEE DETAIL D3/S601 FOR MORE INFO. COORD PAD LOCATIONS WITH PLUMBING DRAWINGS.

5 PROVIDE (1) #5 X 4'-0" LONG AT MID-HEIGHT OF SLAB AT REENTRANT CORNERS, TYP.

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WARRENTON ADMINISTRATIVE BUILDING

STRUCTURAL FOUNDATION AND FIRST FLOOR PLAN - PART 1

WARRENTON — DCCA ADM — VA

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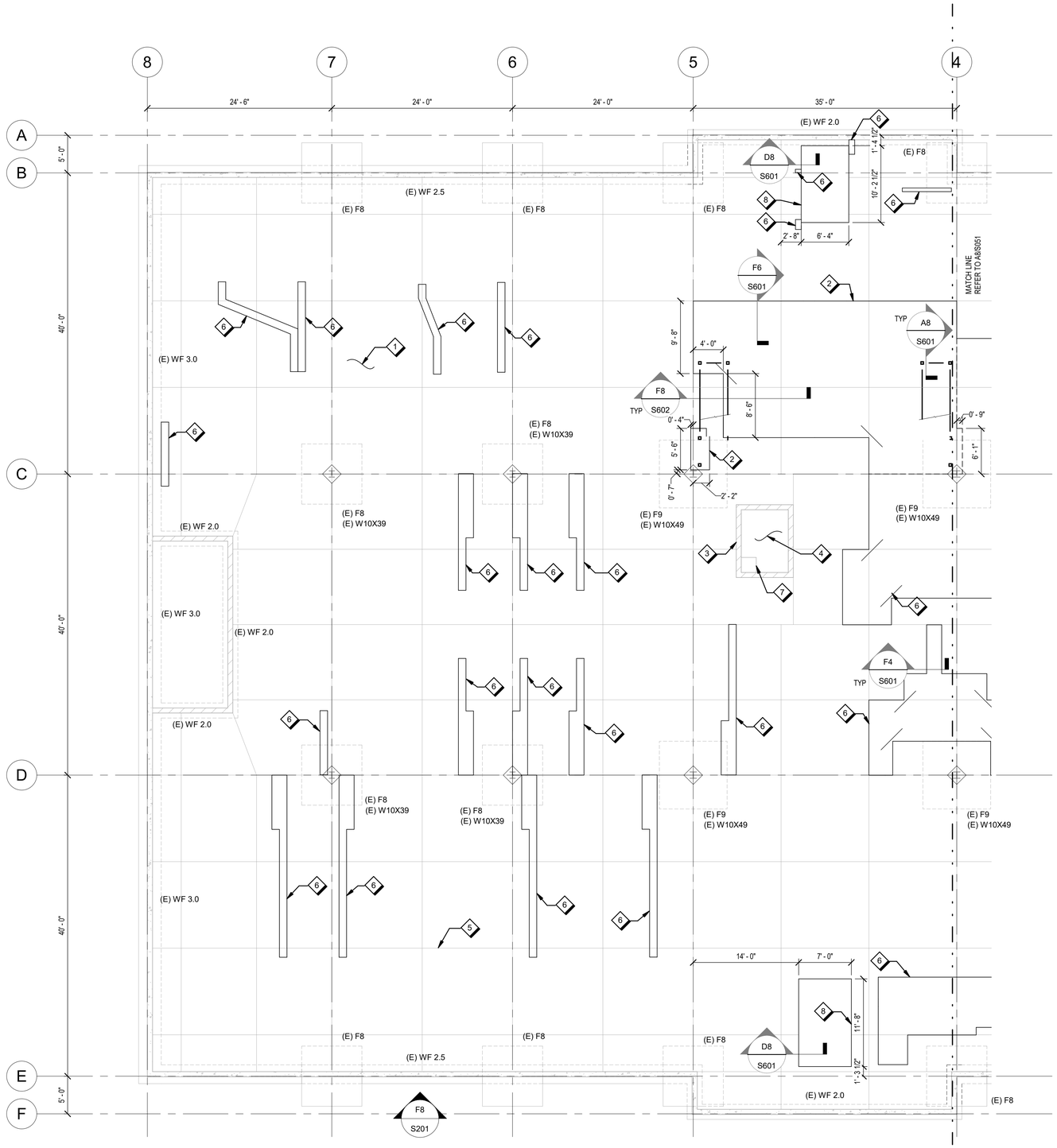

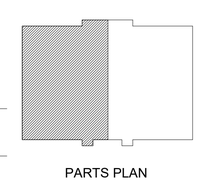

PARTS PLAN

A8 S052 **STRUCTURAL FOUNDATION AND FIRST FLOOR PLAN - PART 2**

1/8" = 1'-0"

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

N

KEY NORTH

GENERAL SHEET NOTES

A. ELEVATIONS SHOWN FROM REFERENCE DATUM, UON

B. SEE S-001 AND S-002 FOR GENERAL NOTES AND ABBREVIATIONS.

C. COORDINATE EQUIPMENT AND COMPONENT'S DIMENSIONS WITH ARCH, MECH, ELEC, PLUMB, AND FP DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS.

D. TOP OF SLAB-ON-GROUND ELEVATION = 0' - 0"

E. TOP OF EXTERIOR FOOTING ELEVATION = [-1' - 6"], VERIFY IN FIELD

F. TOP OF INTERIOR FOOTING ELEVATION = [-1' - 0"], VERIFY IN FIELD

G. MARKERS INDICATE EXISTING STRUCTURAL ELEMENTS AS FOLLOWS:

(E) FX = FOOTING
(E) CW = CONCRETE WALL
(E) WX = STEEL SHAPE
(E) WFX = WALL FOOTING
(E) MW = MASONRY WALL

EXISTING FOOTING SCHEDULE		
FOOTING MARK	PLAN DIMENSION	THICKNESS
F8	8'-0" SQUARE	16"
F9	9'-0" SQUARE	20"
WF 2.0	2'-0" WIDE	18"
WF 2.5	2'-6" WIDE	18"
WF 3.0	3'-0" WIDE	18"

SHEET NOTES

1 EXISTING 6" SLAB-ON-GROUND.

2 THICKENED SLAB BENEATH STAIR BASE.

3 EXISTING ELEVATOR SHAFT WALLS.

4 EXISTING ELEVATOR PIT SLAB-ON-GROUND EL = -4' - 0".

5 EXISTING SLAB-ON-GROUND CONTROL JOINT.

6 INFILL AREA WITH 6" THICK CONCRETE SLAB.

7 EXISTING 2'-0" X 2'-0" SLAB DEPRESSION FOR SUMP PUMP EL = -6'-0", SEE PLUMBING.

8 INFILL AREA WITH 5 3/8" THICK CONCRETE SLAB. TOP OF SLAB ELEVATION = [-0'-5/8"].

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WARRENTON ADMINISTRATIVE BUILDING

STRUCTURAL FOUNDATION AND FIRST FLOOR PLAN - PART 2

WARRENTON — DCCA ADM — VA

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WARRENTON, VA

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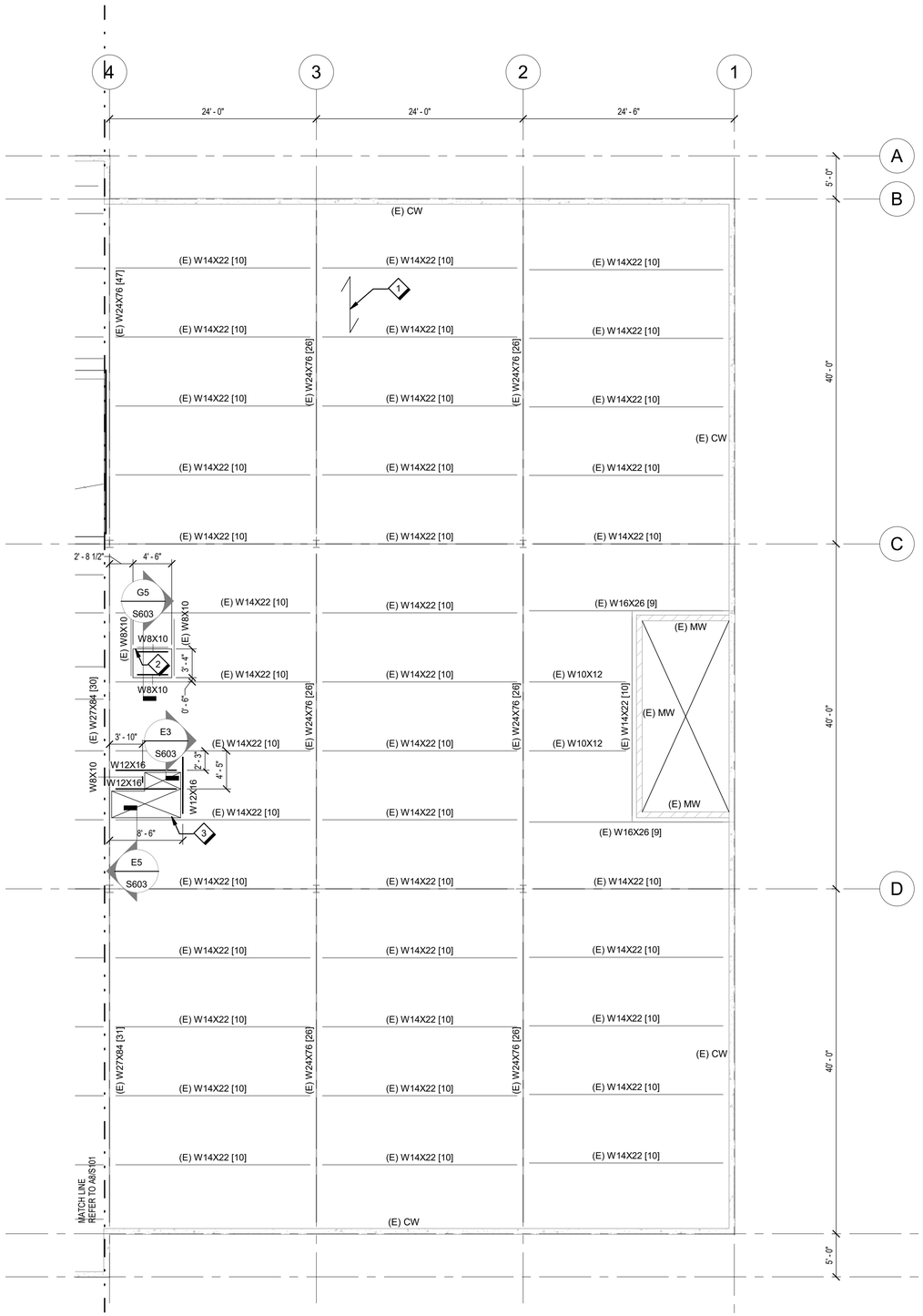
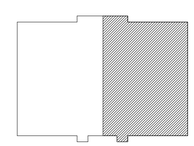


A8 STRUCTURAL SECOND FLOOR FRAMING PLAN - PART 1

S100 1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

N

KEY NORTH

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B. SEE S-001 AND S-002 FOR GENERAL NOTES AND ABBREVIATIONS.

C. COORDINATE EQUIPMENT AND COMPONENT'S DIMENSIONS WITH ARCH, MECH, ELEC, PLUMB, AND FP DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS.

D. TOP OF STEEL ELEVATION = 14' - 7", UON.

E. MARKERS INDICATE EXISTING STRUCTURAL ELEMENTS AS FOLLOWS:

(E) CW = CONCRETE WALL (E) MW = MASONRY WALL
(E) WX = STEEL SHAPE

SHEET NOTES

1 EXISTING 2" CONCRETE ON 3" METAL DECK TO REMAIN.

2 2" CONC ON 3" METAL DECK W/ 4X4- W2.9XW2.9 WWR 3/4" BELOW TOP SURFACE.

3 OPENING FOR MECHANICAL DUCTS.

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COMMONWEALTH OF VIRGINIA
BYRON L. COOK
Lic. No. 024732
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EASTERN SERVICE AREA ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

STRUCTURAL SECOND FLOOR FRAMING PLAN - PART 1

WARRENTON DCCA ADM VA

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SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY C. MACKAIL
DRAWN BY C. MACKAIL
CHECKED BY C. DALY

ISSUED BY ENGINEERING SERVICES TERMINAL

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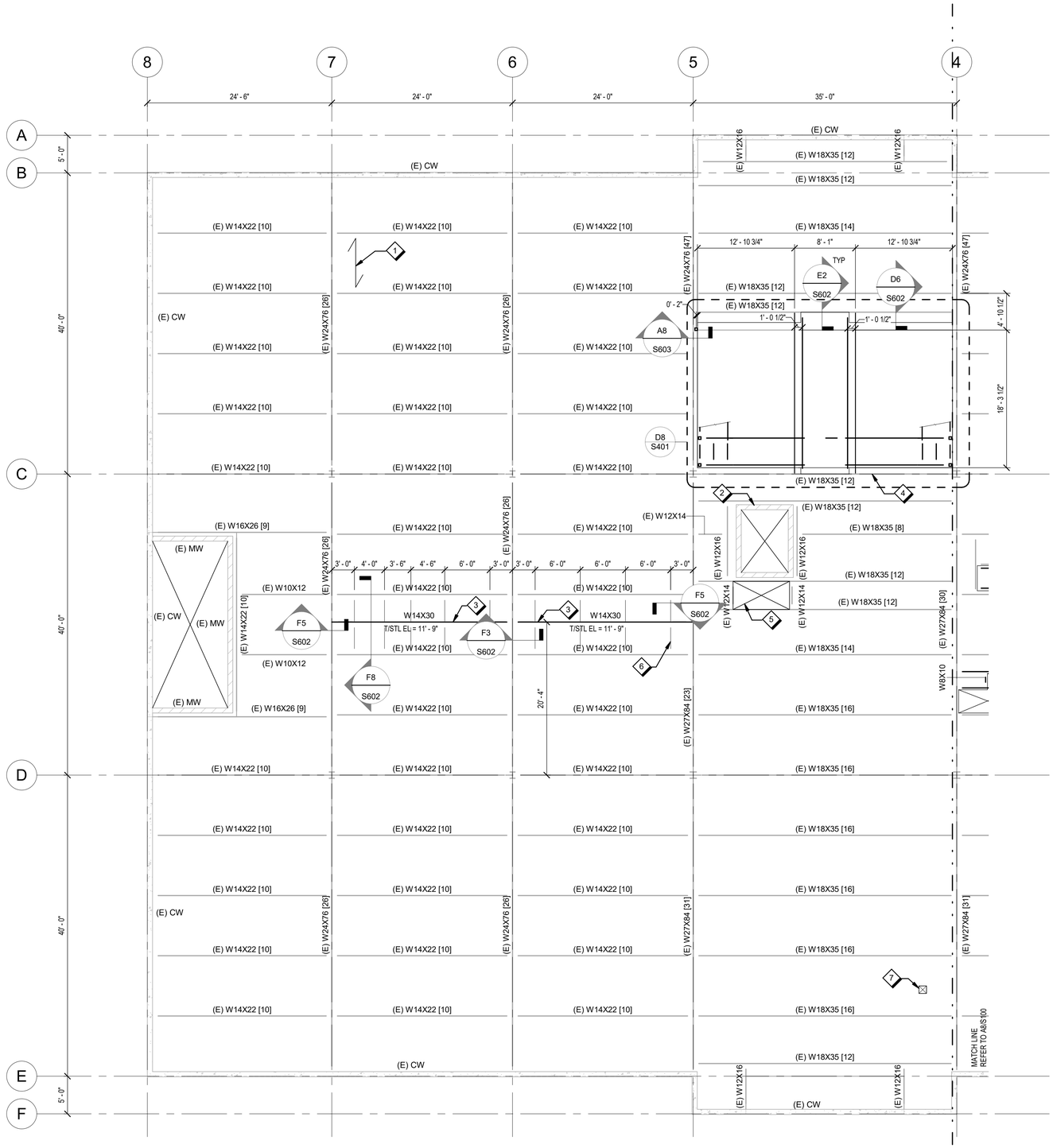

GENERAL SHEET NOTES

A. ELEVATIONS SHOWN FROM REFERENCE DATUM, UON

B. SEE S-001 AND S-002 FOR GENERAL NOTES AND ABBREVIATIONS.

C. COORDINATE EQUIPMENT AND COMPONENT'S DIMENSIONS WITH ARCH, MECH, ELEC, PLUMB, AND FP DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS.

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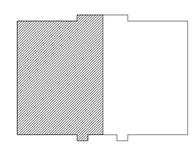
E. MARKERS INDICATE EXISTING STRUCTURAL ELEMENTS AS FOLLOWS:

(E) CW = CONCRETE WALL (E) MW = MASONRY WALL
(E) WX = STEEL SHAPE

SHEET NOTES

1. EXISTING 2" CONCRETE ON 3" METAL DECK TO REMAIN.
2. EXISTING ELEVATOR SHAFT WALLS.
3. STEEL BEAM TO SUPPORT OPERABLE PARTITION WALL BELOW. SEE ARCH FOR PARTITION INFORMATION.
4. REINFORCE EXISTING BEAM. SEE H2/S602 FOR DETAILS.
5. EXISTING OPENING FOR MECHANICAL DUCTS TO BE INFILLED.
6. L3X3X5/16 BRACING.
7. OPENING FOR MECHANICAL DUCTS.



PARTS PLAN

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

A8 STRUCTURAL SECOND FLOOR FRAMING PLAN - PART 2

S101 1/8" = 1'-0"

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11 March 2022
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Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

STRUCTURAL SECOND FLOOR FRAMING PLAN - PART 2

WARRENTON DCCA ADM VA

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	SUBMITTER'S TITLE	APPROVER'S TITLE

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DRAWING NO. DCCA - D - ADM - S101 REV.

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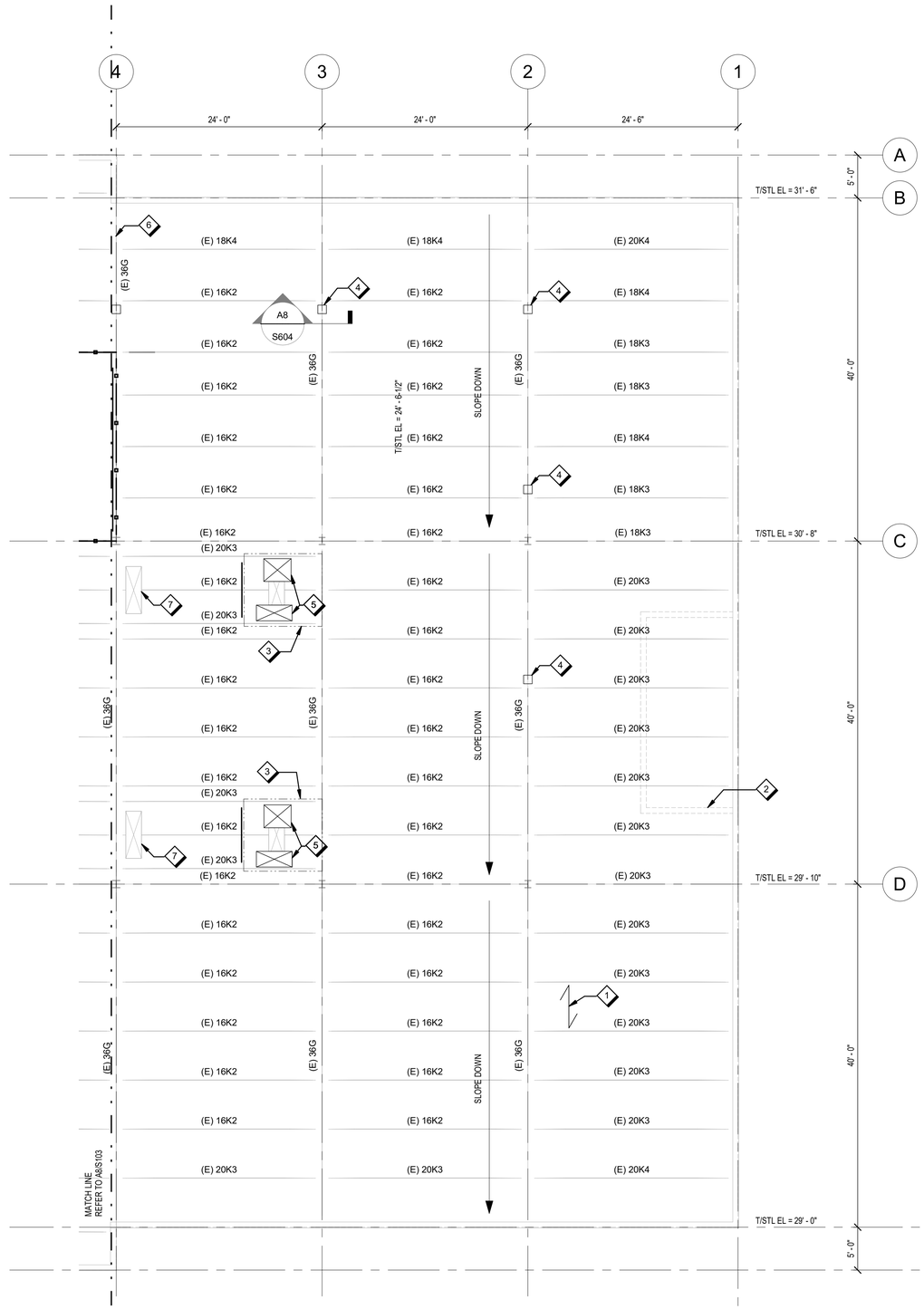
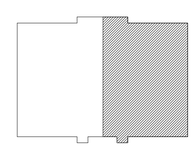


A8 S102 **STRUCTURAL ROOF FRAMING PLAN - PART 1**

1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

N

KEY NORTH

GENERAL SHEET NOTES

A. ELEVATIONS SHOWN FROM REFERENCE DATUM, UON

B. SEE S-001 AND S-002 FOR GENERAL NOTES AND ABBREVIATIONS.

C. COORDINATE EQUIPMENT AND COMPONENT'S DIMENSIONS WITH ARCH, MECH, ELEC, PLUMB, AND FP DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS.

D. MARKERS INDICATE EXISTING STRUCTURAL ELEMENTS AS FOLLOWS:

(E) XXKX = STEEL JOIST
(E) WX = STEEL SHAPE
(E) XXG = STEEL JOIST GIRDER

SHEET NOTES

1 EXISTING 1-1/2" METAL DECK.

2 EXISTING STAIRWELL CMU WALLS BELOW.

3 AIR HANDLING UNIT, SEE MECHANICAL. MAXIMUM ALLOWABLE WEIGHT OF 3200 LBS. CURBS OR SUPPORTS, SEE MECHANICAL. PROVIDE L5X3X1/4 BENEATH CURBS, SEE E8/S603 FOR JOIST CONNECTION DETAILS.

4 FALL PROTECTION TIE-BACK.

5 OPENING FOR MECHANICAL DUCTS. SEE E8/S603 FOR ANGLE FRAMING AROUND OPENING.

6 JOIST GIRDERS TO BE REINFORCED, SEE F5/S201 FOR DETAILS.

7 INFILL OPENING WITH 1 1/2" METAL DECK, SEE B5/S603 FOR DETAILS.

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

COMMONWEALTH OF VIRGINIA
BYRON L. COOK
Lic. No. 024732
11 March 2022
PROFESSIONAL ENGINEER

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

STRUCTURAL ROOF FRAMING PLAN - PART 1

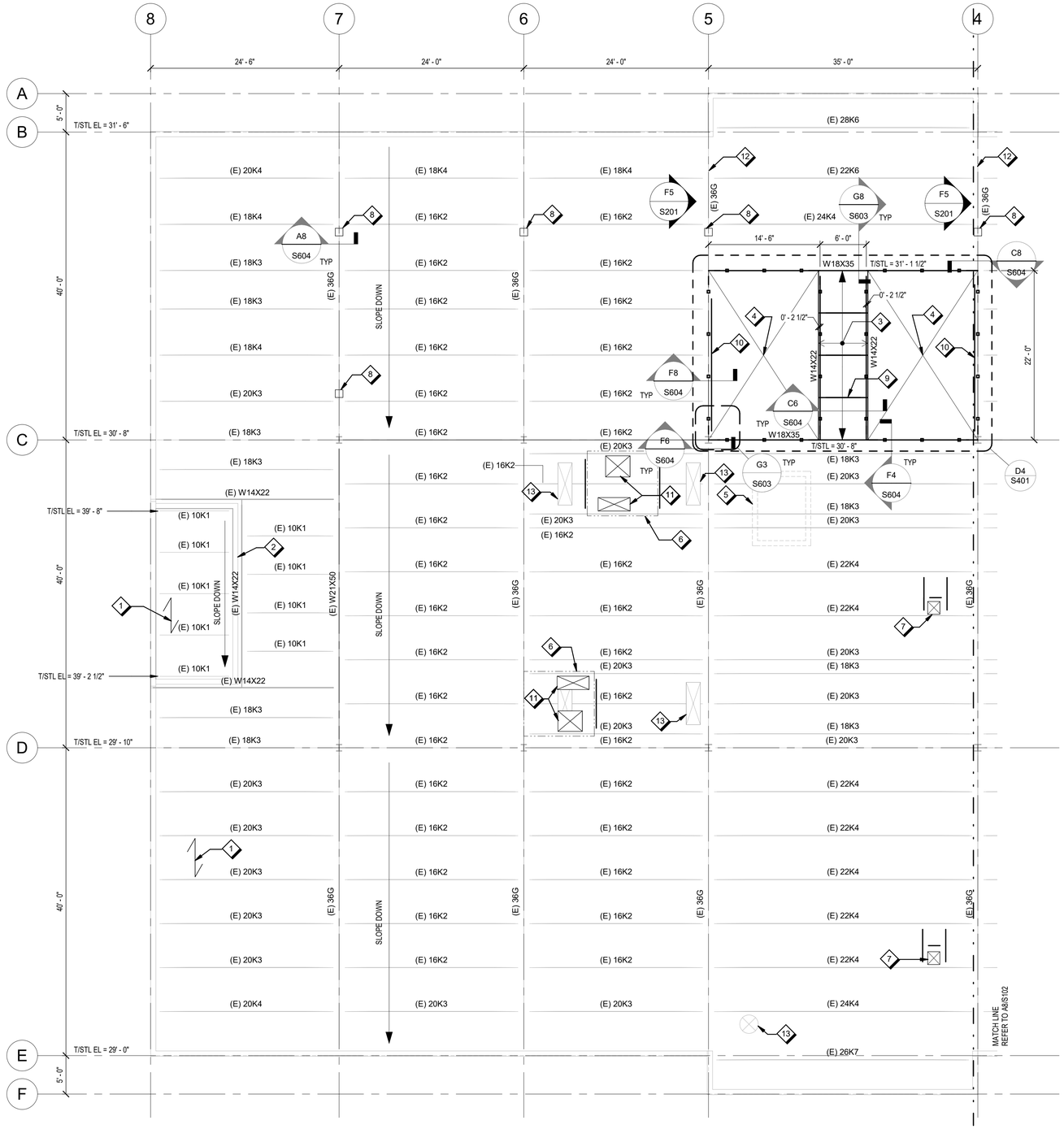
WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY C. MACKAIL
DRAWN BY C. MACKAIL
CHECKED BY C. DALY
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 01/21/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - S102 REV.

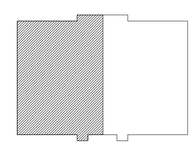
DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 3/10/2022 7:33:15 AM



A8 STRUCTURAL ROOF FRAMING PLAN - PART 2

S103 1/8" = 1'-0"



PARTS PLAN

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. ELEVATIONS SHOWN FROM REFERENCE DATUM, UON

B. SEE S-001 AND S-002 FOR GENERAL NOTES AND ABBREVIATIONS.

C. COORDINATE EQUIPMENT AND COMPONENT'S DIMENSIONS WITH ARCH, MECH, ELEC, PLUMB, AND FP DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS.

D. MARKERS INDICATE EXISTING STRUCTURAL ELEMENTS AS FOLLOWS:

(E) XXKX = STEEL JOIST (E) XXG = STEEL JOIST GIRDER
(E) WX = STEEL SHAPE

SHEET NOTES

1. EXISTING 1-1/2" METAL DECK.
2. EXISTING STAIRWELL ROOF PENTHOUSE.
3. 1 1/2" METAL DECK.
4. OPENING FOR SKYLIGHT.
5. EXISTING ELEVATOR SHAFT WALLS.
6. AIR HANDLING UNIT, SEE MECHANICAL. MAXIMUM ALLOWABLE WEIGHT OF 3200 LBS. CURBS OR SUPPORTS, SEE MECHANICAL. PROVIDE L5X3X1/4 BENEATH CURBS, SEE E8/S603 FOR JOIST CONNECTION DETAILS.
7. EXHAUST FAN, SEE MECHANICAL. SEE E8/S603 FOR ANGLE FRAMING AROUND OPENING.
8. FALL PROTECTION TIE-BACK.
9. HSS 2-1/2X2-1/2X1/4 AT 5'-6" ON CENTER.
10. HSS 6X4X1/4 BELOW. T/STL EL = 24' - 6 1/2".
11. OPENING FOR MECHANICAL DUCTS. SEE E8/S603 FOR ANGLE FRAMING AROUND OPENING.
12. JOIST GIRDERS TO BE REINFORCED, SEE F5/S201 FOR DETAILS.
13. INFILL OPENING WITH 1 1/2" METAL DECK, SEE B5/S603 FOR DETAILS.

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COMMONWEALTH OF VIRGINIA
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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

STRUCTURAL ROOF FRAMING PLAN - PART 2

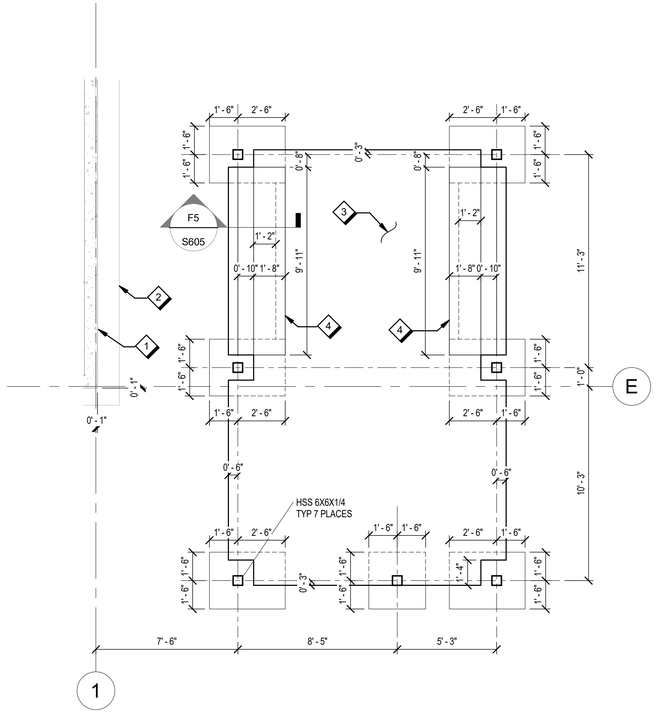
WARRENTON DCCA ADM VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY C. MACKAIL
DRAWN BY C. MACKAIL
CHECKED BY C. DALY
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 01/21/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - S103 REV.

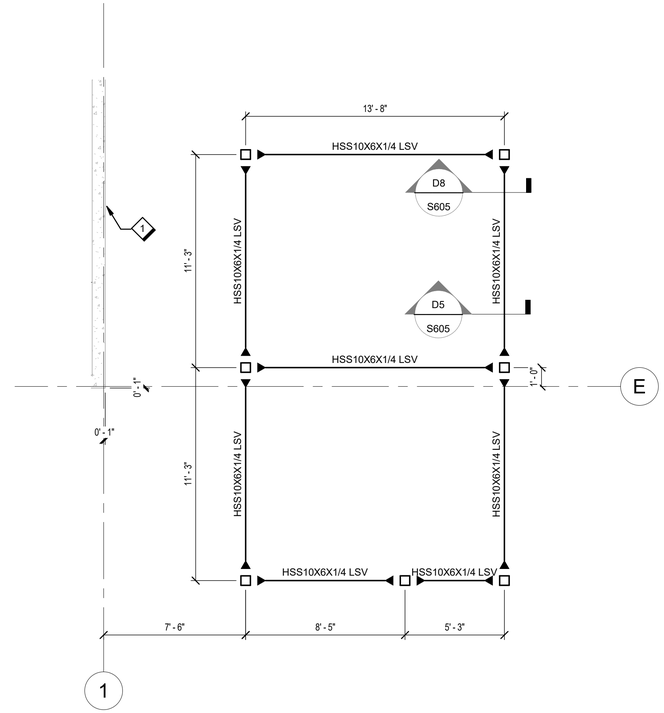
DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 3/10/2022 7:33:15 AM



D8 S104 STRUCTURAL PERGOLA FOUNDATION PLAN

1/4" = 1'-0"



D5 S104 STRUCTURAL PERGOLA FRAMING PLAN

1/4" = 1'-0"

GENERAL SHEET NOTES

A. ELEVATIONS SHOWN FROM REFERENCE DATUM, UON.

B. SEE S-001 AND S-002 FOR GENERAL NOTES AND ABBREVIATIONS.

C. COORDINATE COMPONENT'S DIMENSIONS WITH ARCH.

D. TOP OF FINISHED FLOOR ELEVATION = 0' - 0".

E. TOP OF FOOTING ELEVATION = [-1' - 1 3/4"].

F. TOP OF COLUMN ELEVATION = 10' - 4".

SHEET NOTES

1 EXISTING EXTERIOR WALL.

2 EXISTING WALL FOUNDATION.

3 6" THICK CONCRETE SLAB.

4 PERGOLA BENCH. REFER TO S605 AND ARCH DRAWINGS FOR DETAILS.

Scale: 1/4 INCH = 1 FOOT

KEY NORTH

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

COMMONWEALTH OF VIRGINIA
BYRON L. COOK
Lic. No. 024732
11 March 2022
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DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

STRUCTURAL PERGOLA PLANS

WARRENTON — DCCA ADM — VA

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SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY C. MACKAIL
DRAWN BY C. MACKAIL
CHECKED BY B. COOK

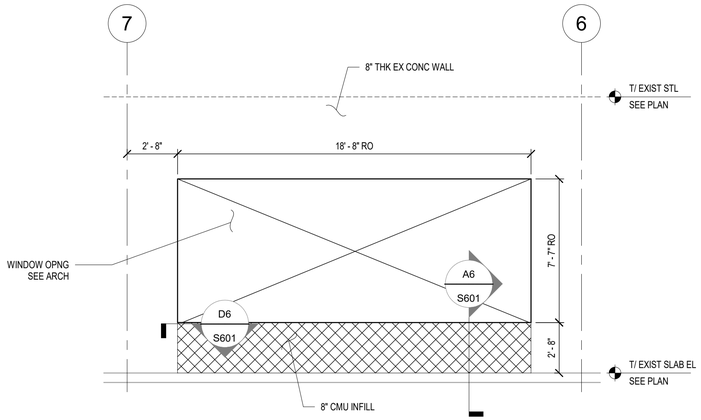
ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 01/21/2022 JCN: 21001763

DRAWING NO. DCCA - D - ADM - S104 REV.

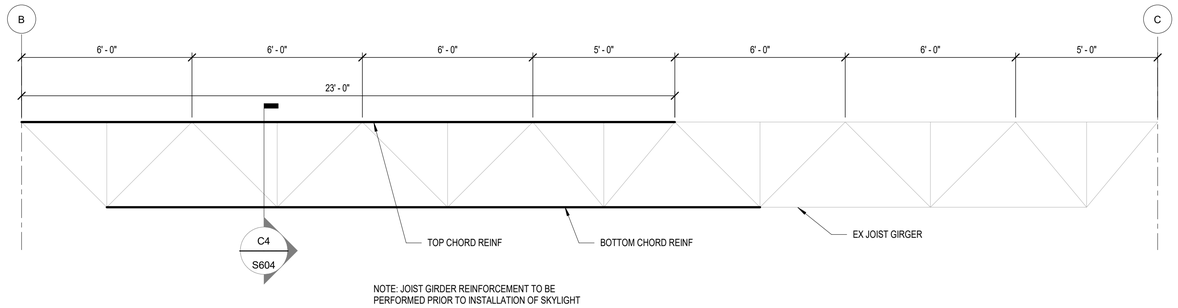
DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 3/10/2022 7:33:15 AM



F8 / S201 CMU INFILL ELEVATION - SOUTH ELEVATION

1/4" = 1'-0"



F5 / S201 JOIST GIRDER REINFORCEMENT

NTS

4 0 4 8
Scale: 1/4 INCH = 1 FOOT

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COMMONWEALTH OF VIRGINIA
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11 March 2022
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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

STRUCTURAL ELEVATIONS

WARRENTON — DCCA ADM — VA

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DESIGNED BY C. MACKAIL
DRAWN BY C. MACKAIL
CHECKED BY C. DALY
ISSUED BY ENGINEERING SERVICES TERMINAL
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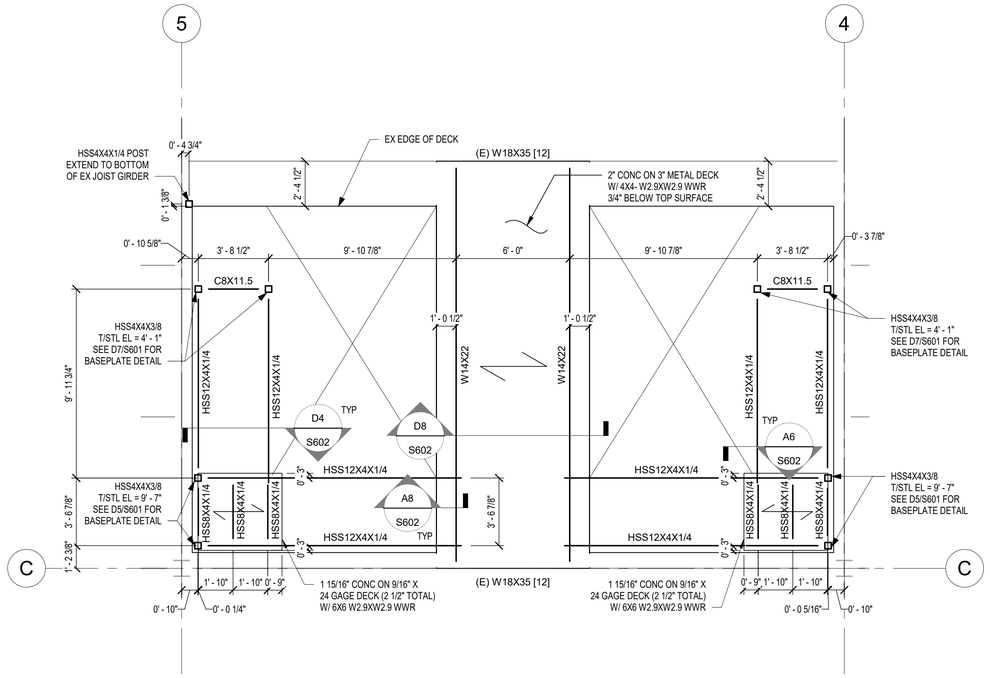
DRAWING NO. DCCA - D - ADM - S201 REV.

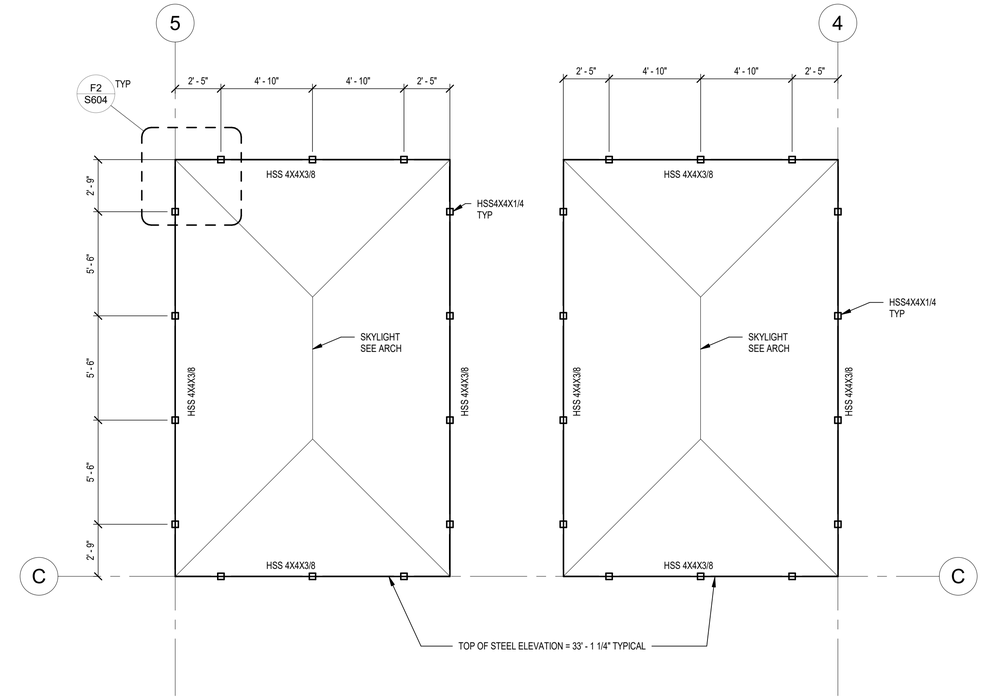
DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 3/10/2022 7:33:16 AM



D8 S401 ENLARGED STAIR FRAMING PLAN

1/4" = 1'-0"



D4 S401 ENLARGED SKYLIGHT TOP FRAMING PLAN

1/4" = 1'-0"

Scale: 1/4 INCH = 1 FOOT

KEY NORTH

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1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

STRUCTURAL ENLARGED PLAN VIEWS

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY

SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY C. MACKAIL
DRAWN BY C. MACKAIL
CHECKED BY C. DALY

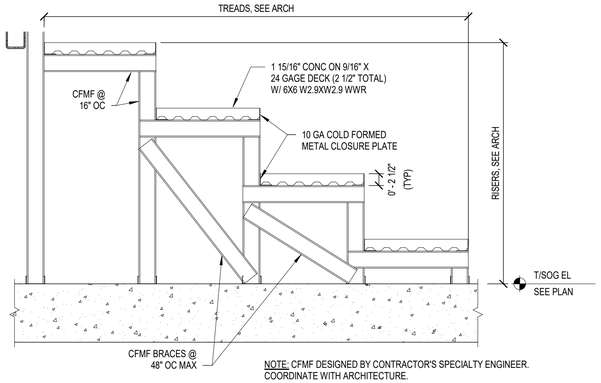
ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 01/21/2022 JCN: 21001763

DRAWING NO. DCCA - D - ADM - S401 REV.

DCCA ADM
WARRENTON, VA

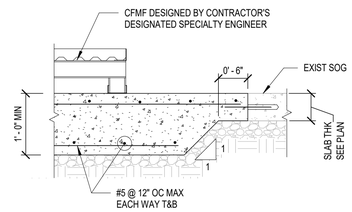
PLOT DATE/TIME: 3/10/2022 7:33:16 AM



NOTE: CFMF DESIGNED BY CONTRACTOR'S SPECIALTY ENGINEER.
COORDINATE WITH ARCHITECTURE.

F8 / S601 RISER SECTION

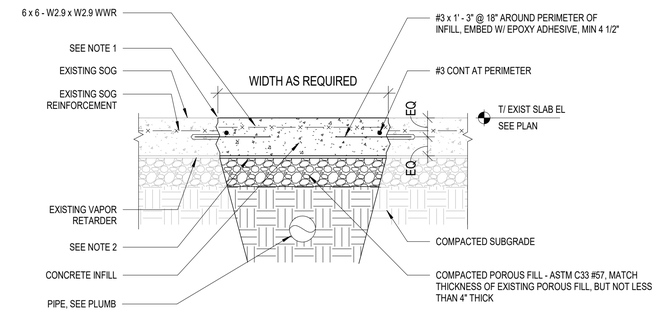
3/4" = 1'-0"



NOTE 1: WORK WITH DETAIL F4/S601 FOR INFILL PROCEDURE AND DOWELING TO EXISTING SLAB.

F6 / S601 THICKENED SLAB SECTION

NTS

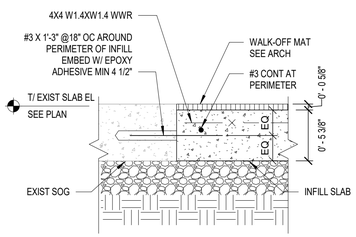


NOTES:

1. SAW CUT PERIMETER OF INFILL AREA 1" DEEP. REMOVE REMAINDER OF CONCRETE LEAVING JOINT ROUGHENED TO A 1/4" AMPLITUDE. RETAIN EXISTING REINFORCING TO THE EXTENT POSSIBLE.
2. REPAIR OR REPLACE VAPOR RETARDER SO THAT IT IS CONTINUOUS WITHOUT DEFECTS. USE MANUFACTURER'S RECOMMENDED REPAIR MATERIALS. REPLACEMENT VAPOR RETARDER MUST MATCH THE EXISTING.
3. APPLY BONDING AGENT TO EXISTING SLAB EDGE, REMOVE ALL STANDING WATER, AND ENSURE A DRY SURFACE.

F4 / S601 SLAB ON GROUND INFILL DETAIL

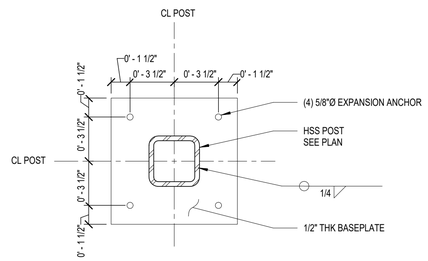
NTS



NOTE: SEE F4/S601 FOR MORE INFORMATION NOT SHOWN

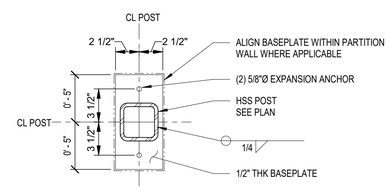
D8 / S601 WALK-OFF MAT SECTION

1 1/2" = 1'-0"



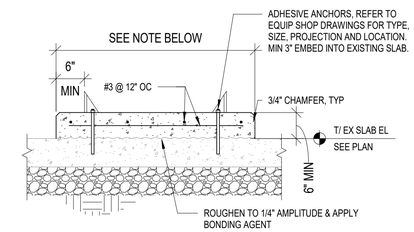
D7 / S601 STAIR POST BASEPLATE

NTS



D5 / S601 STAIR POST BASEPLATE

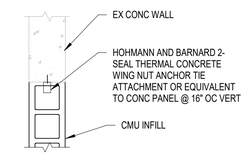
1 1/2" = 1'-0"



NOTE: COORDINATE PAD LOCATIONS AND SIZE WITH PLUMBING DRAWINGS AND EQUIP MANUFACTURER'S RECOMMENDATIONS

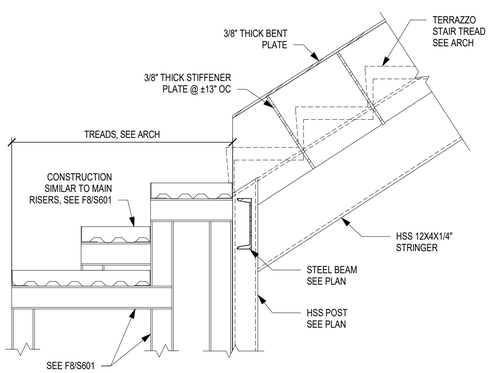
D3 / S601 INTERIOR EQUIPMENT PAD DETAIL

NTS



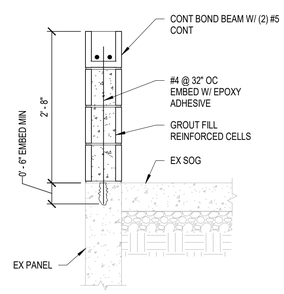
D6 / S601 MASONRY INFILL PLAN VIEW

NTS



A8 / S601 STAIR STRINGER CONNECTION

1" = 1'-0"



A6 / S601 MASONRY INFILL UNDER WINDOW

NTS

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COMMONWEALTH OF VIRGINIA
BYRON L. COOK
Lic. No. 024732
11 March 2022
PROFESSIONAL ENGINEER

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DCCA ADM
WARRENTON, VA

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

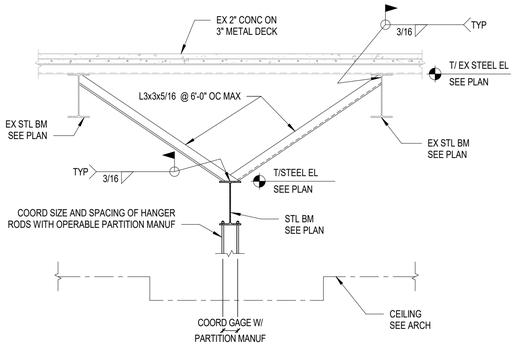
STRUCTURAL TYPICAL DETAILS

WARRENTON — DCCA ADM — VA

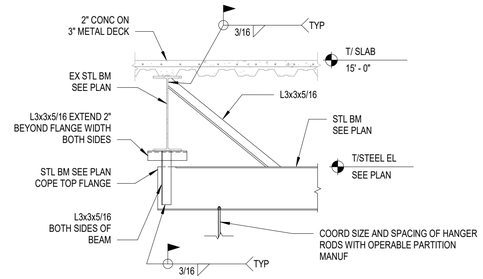
REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY C. MACKAIL
DRAWN BY C. MACKAIL
CHECKED BY C. DALY
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 01/21/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - S601
REV.

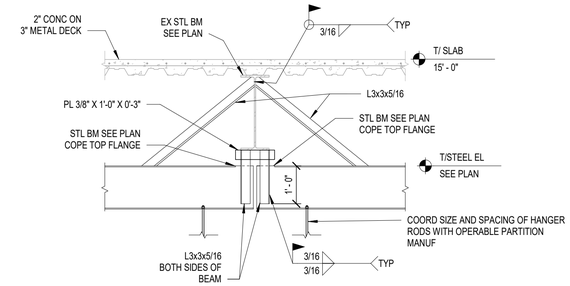
PLOT DATE/TIME: 3/10/2022 7:33:17 AM



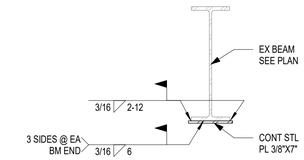
F8 PARTITION SUPPORT BEAM DETAIL
S602 1/2" = 1'-0"



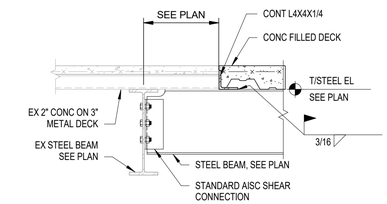
F5 PARTITION SUPPORT BEAM DETAIL
S602 1/2" = 1'-0"



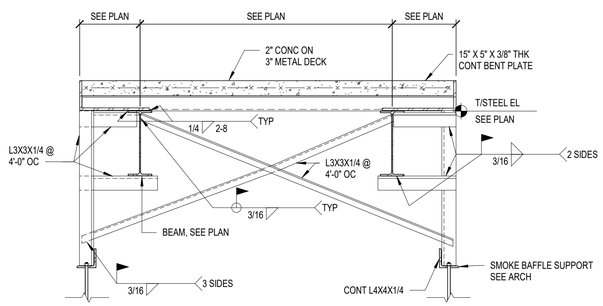
F3 PARTITION SUPPORT BEAM DETAIL
S602 1/2" = 1'-0"



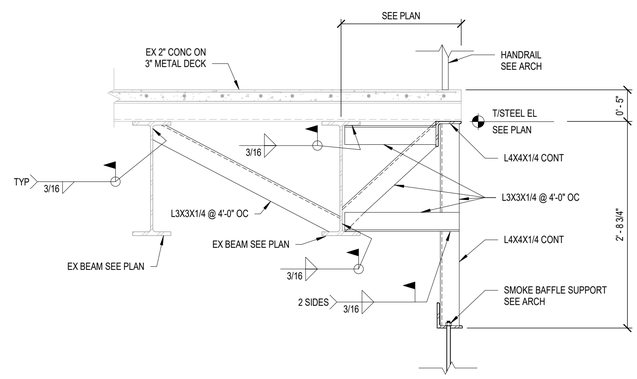
G2 BEAM REINFORCEMENT
S602 NTS



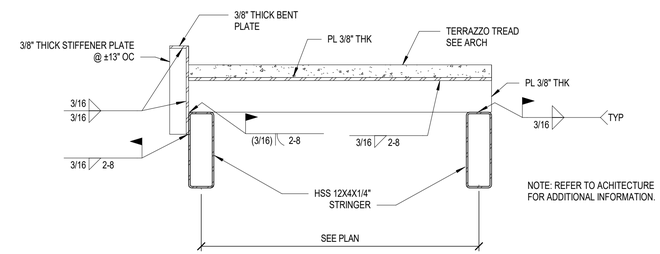
E2 WALKWAY CONNECTION
S602 3/4" = 1'-0"



D8 WALKWAY SECTION
S602 NTS

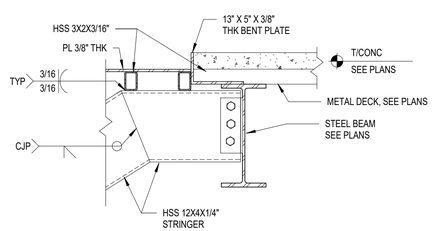


D6 SMOKE BAFFLE FRAMING SECTION
S602 1" = 1'-0"

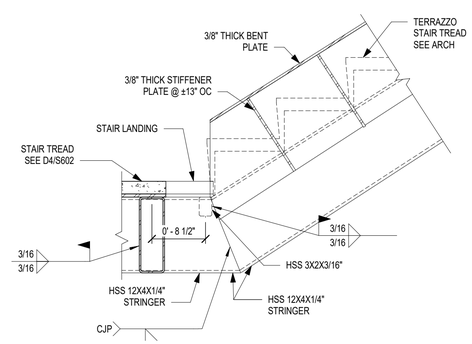


NOTE: REFER TO ACHITECTURE
FOR ADDITIONAL INFORMATION.

D4 STAIR STRINGER FRAMING
S602 1" = 1'-0"



A8 STAIR STRINGER CONNECTION AT TOP
S602 1" = 1'-0"



A6 STAIR FRAMING SECTION
S602 1" = 1'-0"

2 0 2 4
Scale: 1/2 INCH = 1 FOOT

1 0 1 2 3
Scale: 3/4 INCH = 1 FOOT

1 0 1 2
Scale: 1 INCH = 1 FOOT

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

COMMONWEALTH OF VIRGINIA
BYRON L. COOK
Lic. No. 024732
11 March 2022
PROFESSIONAL ENGINEER

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

STRUCTURAL TYPICAL DETAILS

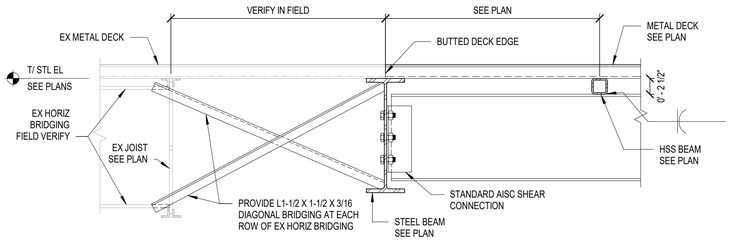
WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

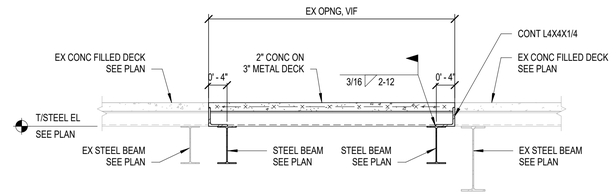
DESIGNED BY C. MACKAIL
DRAWN BY C. MACKAIL
CHECKED BY C. DALY
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 01/21/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - S602
REV.

PLOT DATE/TIME: 3/10/2022 7:33:18 AM



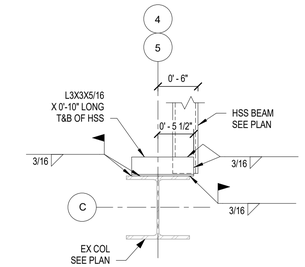
G8 / S603 ROOF FRAMING PLAN

NTS



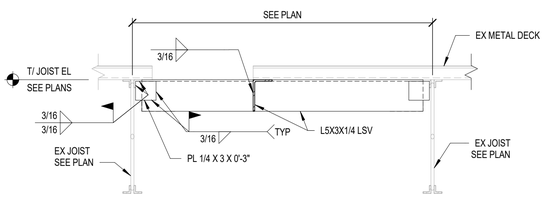
G5 / S603 SLAB INFILL SECTION

NTS



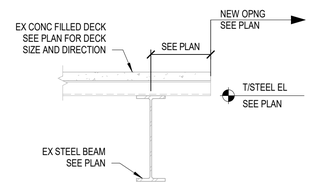
G3 / S603 HSS CONNECTION AT COLUMN

1" = 1'-0"



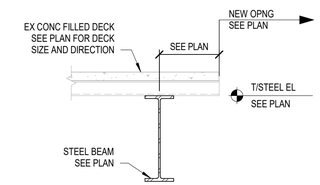
E8 / S603 ROOF OPENING DETAIL

1" = 1'-0"



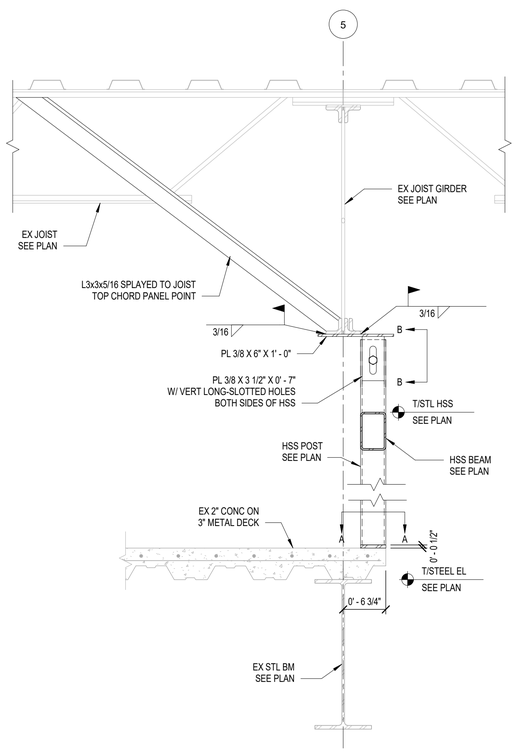
E5 / S603 EXISTING FRAMING FLOOR OPENING SECTION

NTS



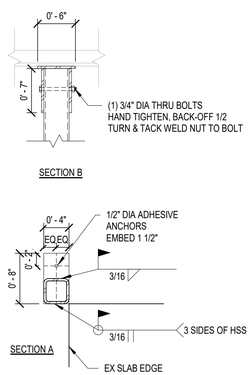
E3 / S603 NEW FLOOR OPENING SECTION

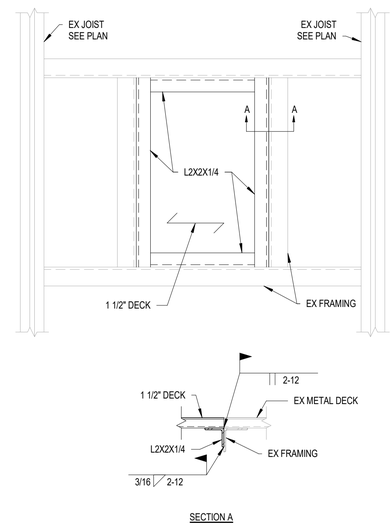
NTS



A8 / S603 PARTITION COLUMN SECTION

1" = 1'-0"





B5 / S603 ROOF OPENING INFILL

NTS

1 0 1 2

Scale: 1 INCH = 1 FOOT

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REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

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SUITE 500
ARLINGTON, VA 22201

Jacobs

DCCA ADM
WARRENTON, VA

COMMONWEALTH OF VIRGINIA
BYRON L. COOK
Lic. No. 024732
11 March 2022
PROFESSIONAL ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

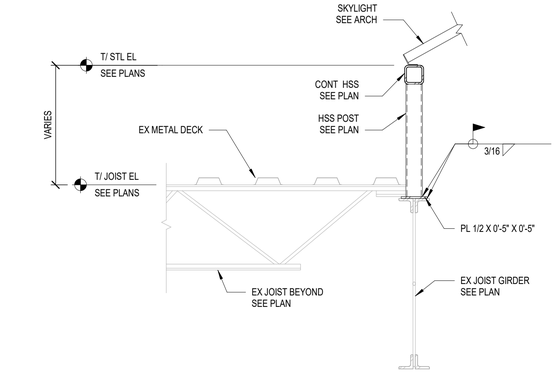
STRUCTURAL TYPICAL DETAILS

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

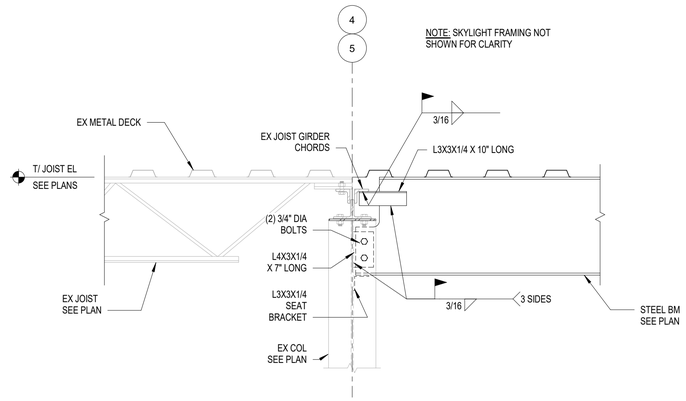
DESIGNED BY C. MACKAIL	ISSUED BY ENGINEERING SERVICES TERMINAL	DATE 01/21/2022	JCN: 21001763
DRAWN BY C. MACKAIL		DRAWING NO. DCCA - D - ADM - S603	REV.
CHECKED BY C. DALY			

PLOT DATE/TIME: 3/10/2022 7:33:19 AM



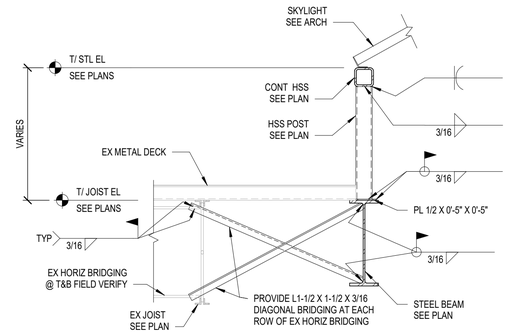
F8 / S604 SKYLIGHT FRAMING SECTION

NTS



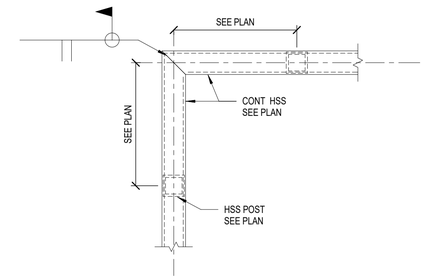
F6 / S604 SKYLIGHT FRAMING SECTION

NTS



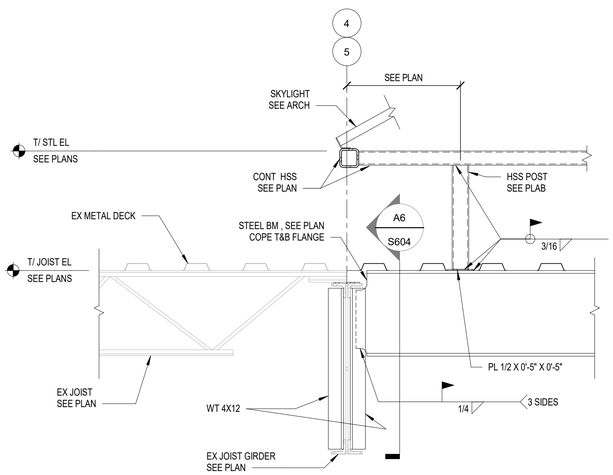
F4 / S604 SKYLIGHT FRAMING SECTION

NTS



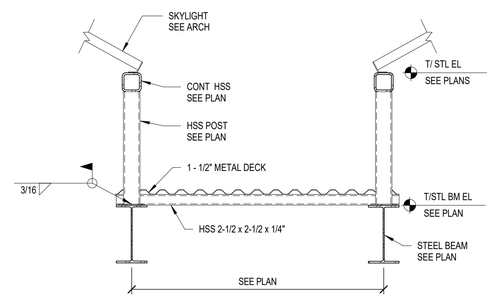
F2 / S604 SKYLIGHT FRAMING SECTION

NTS



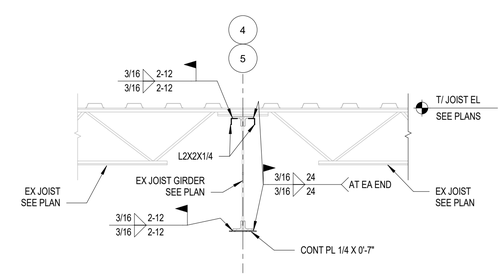
C8 / S604 SKYLIGHT FRAMING SECTION

NTS



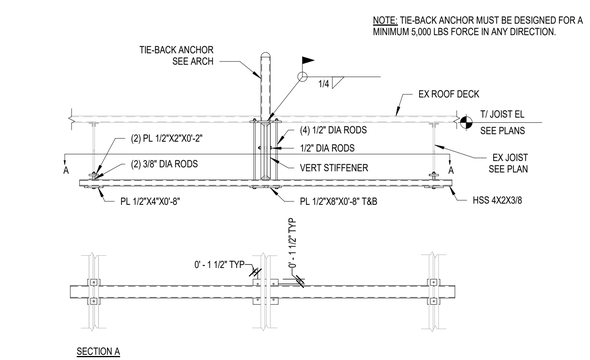
C6 / S604 FRAMING BETWEEN SKYLIGHTS

NTS



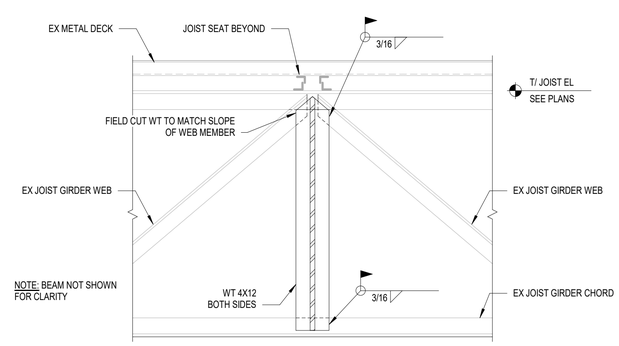
C4 / S604 JOIST GIRDER REINFORCEMENT

1/2" = 1'-0"



A8 / S604 FALL PROTECTION DETAIL

1/2" = 1'-0"



A6 / S604 SKYLIGHT FRAMING SECTION

NTS

1 0 1 2
Scale: 1 INCH = 1 FOOT

2 0 2 4
Scale: 1/2 INCH = 1 FOOT

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COMMONWEALTH OF VIRGINIA
BYRON L. COOK
Lic. No. 024732
11 March 2022
PROFESSIONAL ENGINEER

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

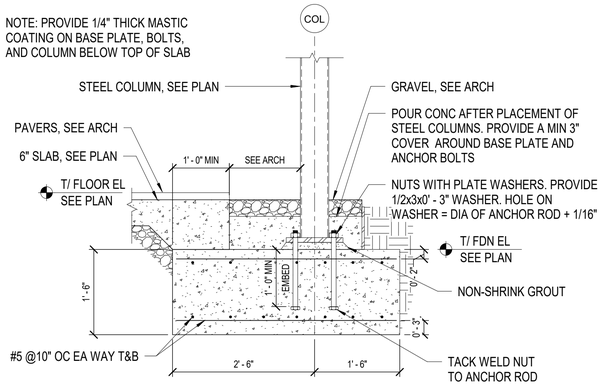
STRUCTURAL TYPICAL DETAILS

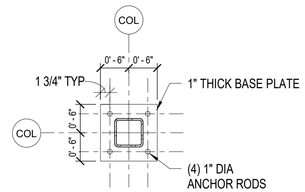
WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE
	DESIGNED BY C. MACKAIL	ISSUED BY ENGINEERING SERVICES TERMINAL
	DRAWN BY C. MACKAIL	DATE 01/21/2022 JCN: 21001763
	CHECKED BY C. DALY	DRAWING NO. DCCA - D - ADM - S604 REV.

DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 3/10/2022 7:33:19 AM

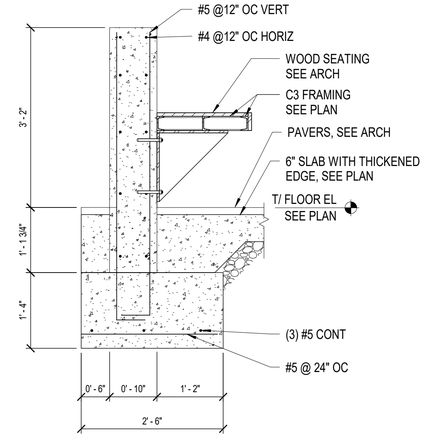




BASE PLATE

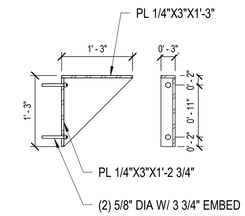
F8 / S605 COLUMN BASE CONNECTION

NTS

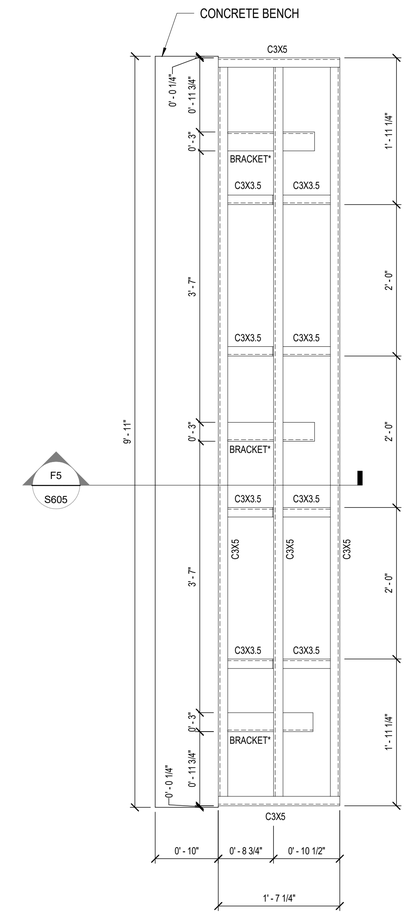


F5 / S605 BENCH SECTION

3/4" = 1'-0"



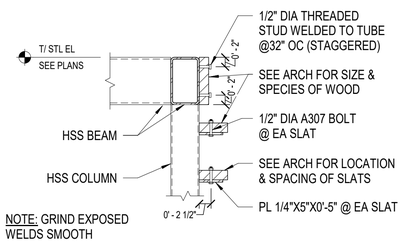
BRACKET AT 3 LOCATIONS PER BENCH



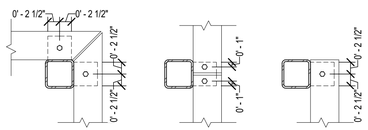
*NOTE: SEE F5/S605 FOR BRACKET DETAILS

C3 / S605 ENLARGED BENCH FRAMING PLAN

1" = 1'-0"



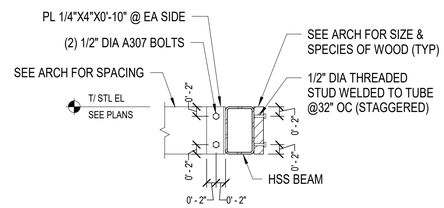
NOTE: GRIND EXPOSED WELDS SMOOTH



CORNER CONTINUOUS END

D8 / S605 FRAMING SECTION

3/4" = 1'-0"



D5 / S605 FRAMING SECTION

3/4" = 1'-0"

1 0 1 2
Scale: 1 INCH = 1 FOOT

1 0 1 2 3
Scale: 3/4 INCH = 1 FOOT

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COMMONWEALTH OF VIRGINIA
BYRON L. COOK
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11 March 2022
PROFESSIONAL ENGINEER

JACOBS
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ARLINGTON, VA 22201

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

STRUCTURAL PERGOLA DETAILS

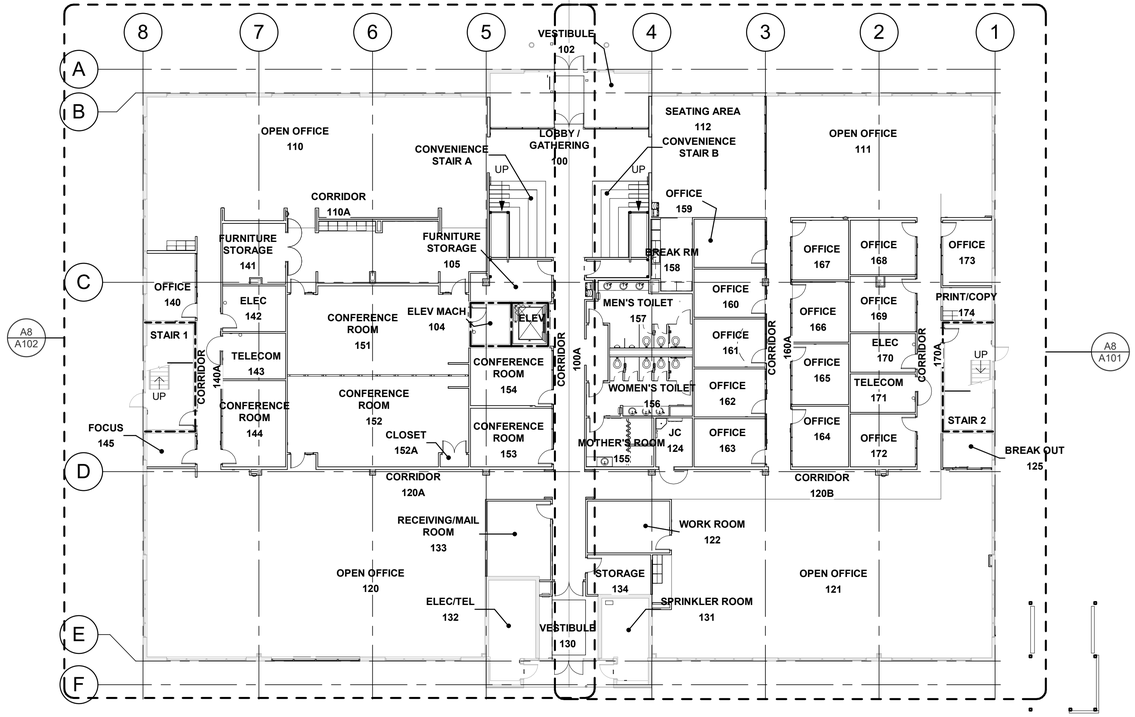
WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

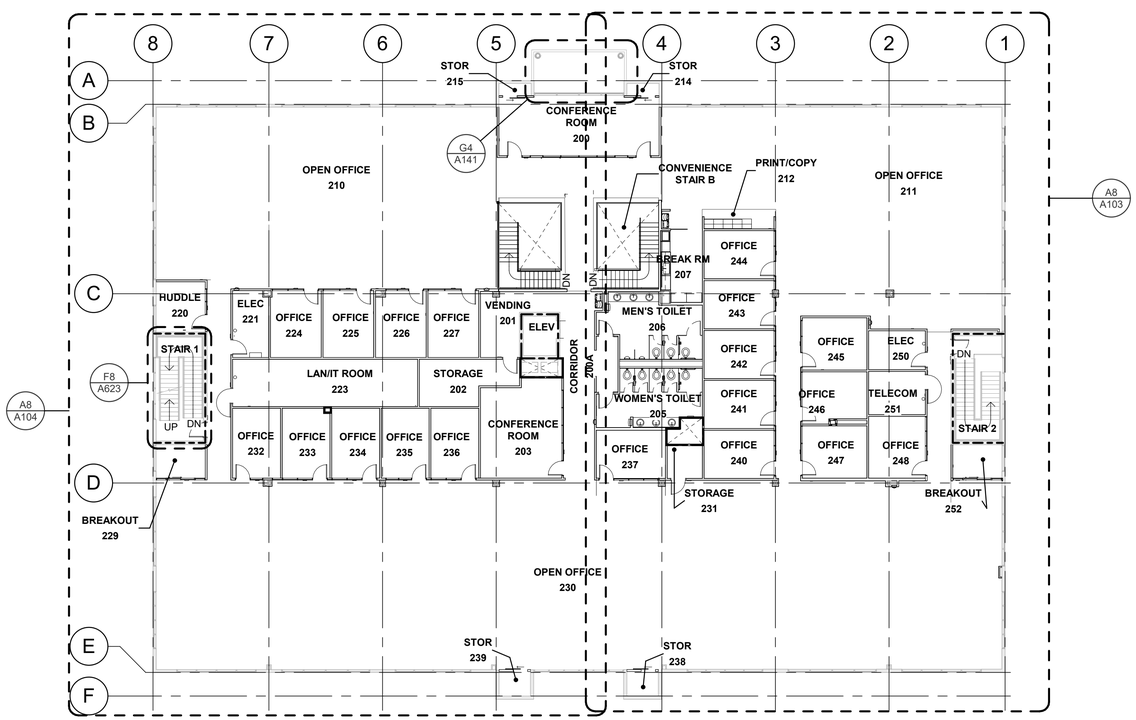
DESIGNED BY C. MACKAIL
DRAWN BY C. MACKAIL
CHECKED BY B. COOK
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 01/21/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - S605
REV.

PLOT DATE/TIME: 3/10/2022 7:33:20 AM



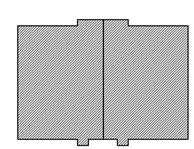
F8 / A100 FIRST FLOOR PLAN - OVERALL

1/16" = 1'-0"



A8 / A100 SECOND FLOOR PLAN - OVERALL

1/16" = 1'-0"



PARTS PLAN

24 16 8 0 24

SCALE: 1/16"=1'-0"

KEY NORTH

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

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DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

GUIDE FLOOR PLANS

WARRENTON — DCCA ADM — VA

Jacobs

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	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

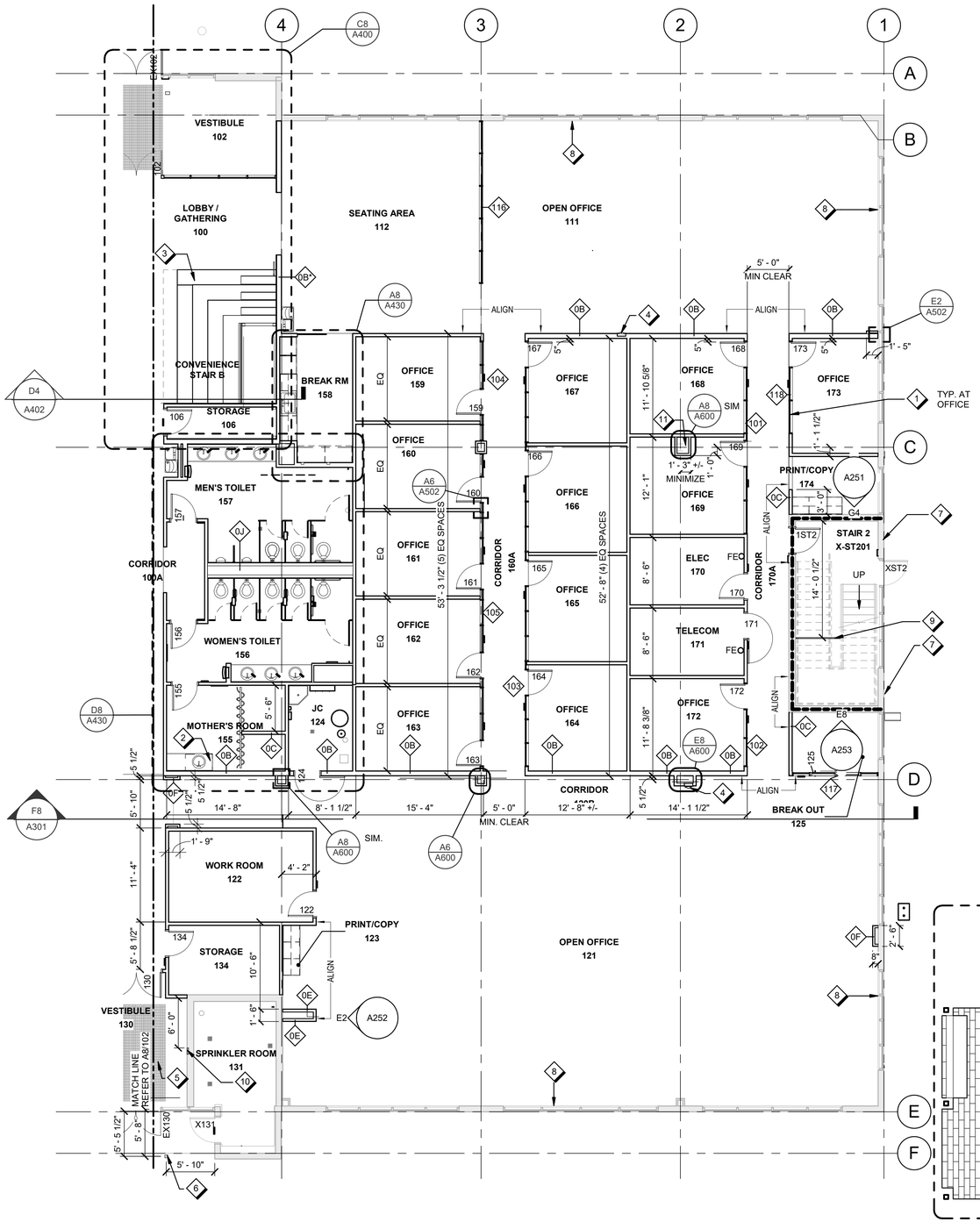
DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763

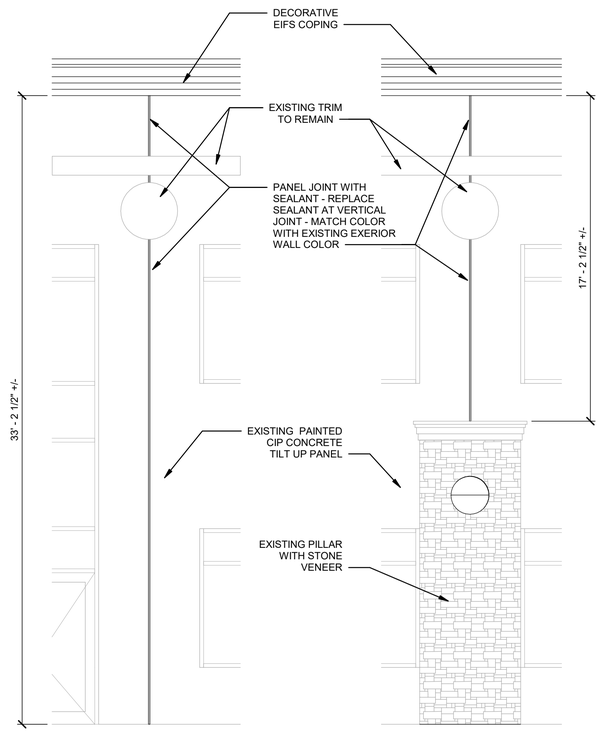
DRAWING NO. DCCA - D - ADM - A100 REV.

PLOT DATE/TIME: 4/13/2022 2:50:35 PM



A8 FIRST FLOOR PLAN - PART 1

A101 1/8" = 1'-0"

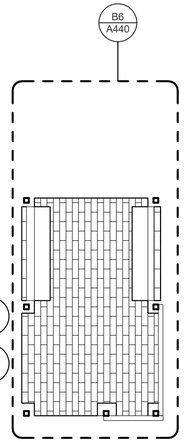


C4 EXTERIOR JOINT ELEVATION

A101 1/4" = 1'-0"

C3 EXTERIOR JOINT ELEVATION ABOVE PILLAR

A101 1/4" = 1'-0"



PARTS PLAN

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. PARTITIONS ARE TYPE 0A UNLESS OTHERWISE NOTED

B. REFER TO LIFE SAFETY DRAWINGS FOR FURTHER INFORMATION ON PARTITION RATINGS. MAINTAIN THE FIRE RATING AT ALL EXISTING PENETRATIONS THROUGH EXISTING FIRE RATED WALLS/PARTITIONS IN THE RENOVATION AREA OR ANY AREA WHERE INFRASTRUCTURE IS CARRIED THROUGH EXISTING OR ADDED FIRE RATED PARTITIONS.

C. REFER TO A630 FOR PARTITION TYPES

D. REFER TO A501 FOR DOOR SCHEDULE

E. REFER A520 & A521 FOR GLAZING AND STOREFRONT SCHEDULE

SHEET NOTES

1. GLAZED ALUM FRAMED PARTITION AS SCHEDULED.
2. PLASTIC LAMINATE CLAD BASE AND WALL CABINETS
3. WOOD CLAD STEPPED SEATING
4. SEMI-RECESSED FIRE EXTINGUISHER CABINET
5. RECESSED METAL WALK-OFF MATT
6. BOLLARD WITH DOOR OPERATOR PUSH PLATE - REFER TO DETAIL A8 / A615
7. REPLACE EXTERIOR AND INTERIOR SEALANT JOINT THE FULL HEIGHT OF BUILDING. REFER TO ELEVATION C4/A101. INTERIOR JOINT INSIDE STAIR.
8. PATCH AND REPAIR GWB AND PROVIDE INSULATION TO MATCH EXISTING AT EXTERIOR WALL FURRED PARTITIONS WHERE ELECTRICAL BACK BOXES AND RELATED ITEMS ARE REMOVED FROM THE WALL. TYPICAL AT ENTIRE GWB AREA AT EXTERIOR WALL. REFER TO ELECTRICAL FOR ITEMS REMOVED.
9. CANE DETECTION RAIL. REFER TO DETAIL F7/A623
10. DOOR OPERATOR PUSH PLATE PLACED IN EXISTING FURRED PARTITION - MOUNT 34" AFF TO CENTER LINE. ABOVE PUSH PLATE ARE CARD READER AND VIDEO PHONE PLACED DIRECTLY ABOVE PUSH PLATE - REFER TO TELECOMMUNICATIONS FOR MOUNTING HEIGHT AND ARRANGEMENT.
11. COORDINATE FURRED PARTITION TO ENCLOSE THE EXISTING PLUMBING RISER. MINIMIZE SIZE OF ENCLOSURE.

LEGEND

1-HOUR FIRE RATED BARRIER

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DCCA ADM
WARRENTON, VA

LICENSED ARCHITECT No. 15412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR PLAN - PART 1

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
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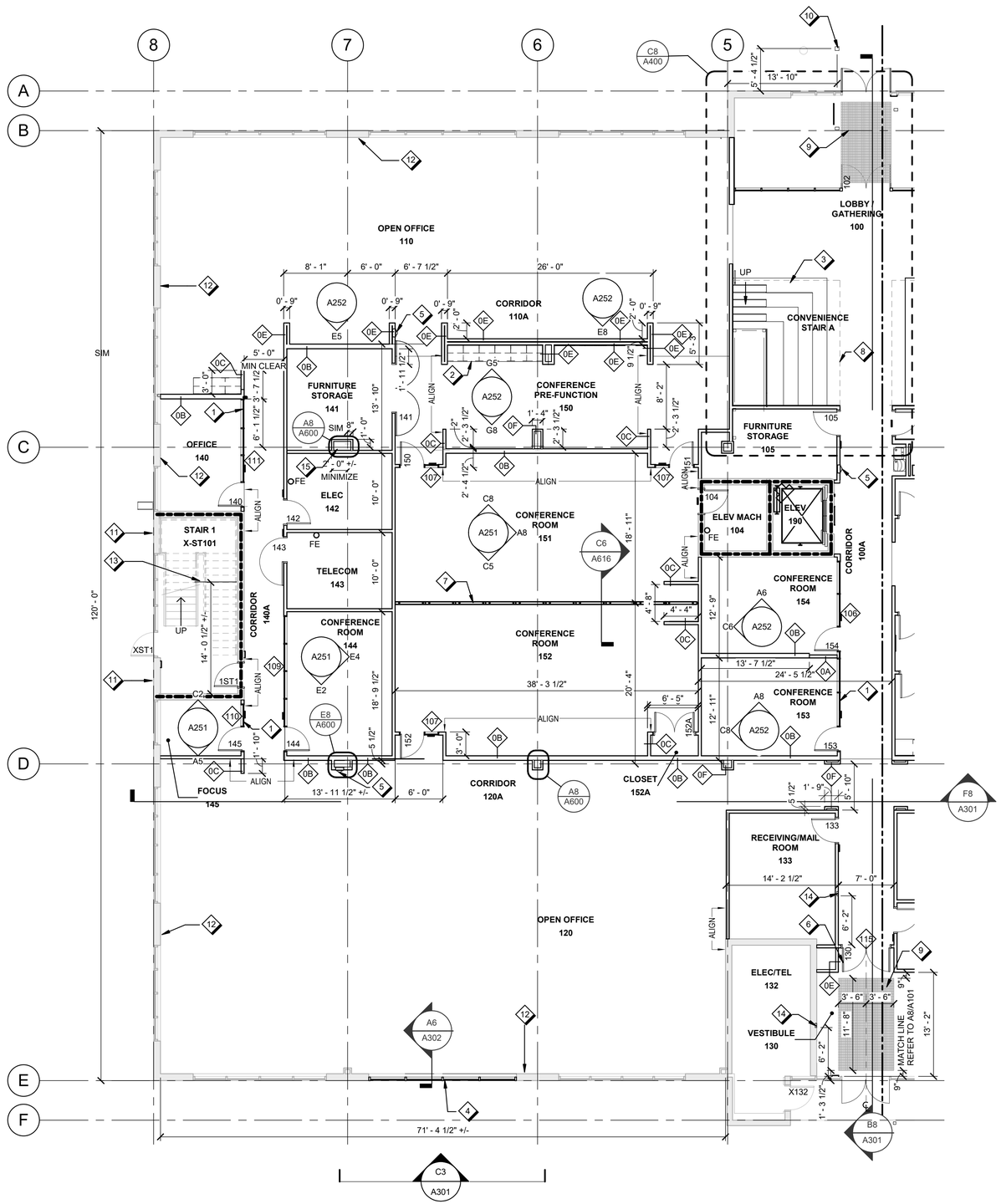
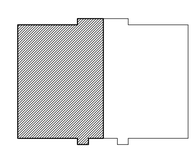
PLOT DATE/TIME: 4/13/2022 9:43:40 AM



A8 FIRST FLOOR PLAN - PART 2

A102

1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. PARTITIONS ARE TYPE 0A UNLESS OTHERWISE NOTED

B. REFER TO LIFE SAFETY DRAWINGS FOR FURTHER INFORMATION ON PARTITION RATINGS. MAINTAIN THE FIRE RATING AT ALL EXISTING PENETRATIONS THROUGH EXISTING FIRE RATED WALLS/PARTITIONS IN THE RENOVATION AREA OR ANY AREA WHERE INFRASTRUCTURE IS CARRIED THROUGH EXISTING OR ADDED FIRE RATED PARTITIONS.

C. REFER TO A630 FOR PARTITION TYPES

D. REFER TO A501 FOR DOOR SCHEDULE

E. REFER A520 & A521 FOR GLAZING AND STOREFRONT SCHEDULE

SHEET NOTES

1 GLAZED ALUM FRAMED PARTITION AS SCHEDULED.

2 WOOD VENEER CLAD BASE AND WALL CABINETS

3 WOOD CLAD STEPPED SEATING

4 EXTERIOR WINDOW TO MATCH EXISTING

5 SEMI-RECESSED FIRE EXTINGUISHER CABINET

6 STOREFRONT SYSTEM

7 FOLDING PANEL PARTITION - STC 55

8 EDGE OF OPENING ABOVE

9 RECESSED METAL WALK-OFF MATT

10 BOLLARD WITH DOOR OPERATOR PUSH PLATE - REFER TO DETAIL A8 / A615

11 REPLACE EXTERIOR AND INTERIOR SEALANT JOINT THE FULL HEIGHT OF BUILDING. REFER TO ELEVATION C4/A101. INTERIOR JOINT INSIDE STAIR.

12 PATCH AND REPAIR GWB AND PROVIDE INSULATION TO MATCH EXISTING AT EXTERIOR WALL FURRED PARTITIONS WHERE ELECTRICAL BACK BOXES AND RELATED ITEMS ARE REMOVED FROM THE WALL. TYPICAL AT ENTIRE GWB AREA AT EXTERIOR WALL. REFER TO ELECTRICAL FOR ITEMS REMOVED.

13 CANE DETECTION RAIL. REFER TO DETAIL F7/A623

14 DOOR OPERATOR PUSH PLATE - MOUNT 36" AFF TO CENTER LINE

15 COORDINATE FURRED PARTITION TO ENCLOSE THE EXISTING PLUMBING RISER. MINIMIZE SIZE OF ENCLOSURE.

LEGEND

1-HOUR FIRE RATED BARRIER

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DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR PLAN - PART 2

WARRENTON — DCCA ADM — VA

DCCA ADM
WARRENTON, VA

REVIEWED BY | SUBMITTED BY | APPROVED BY

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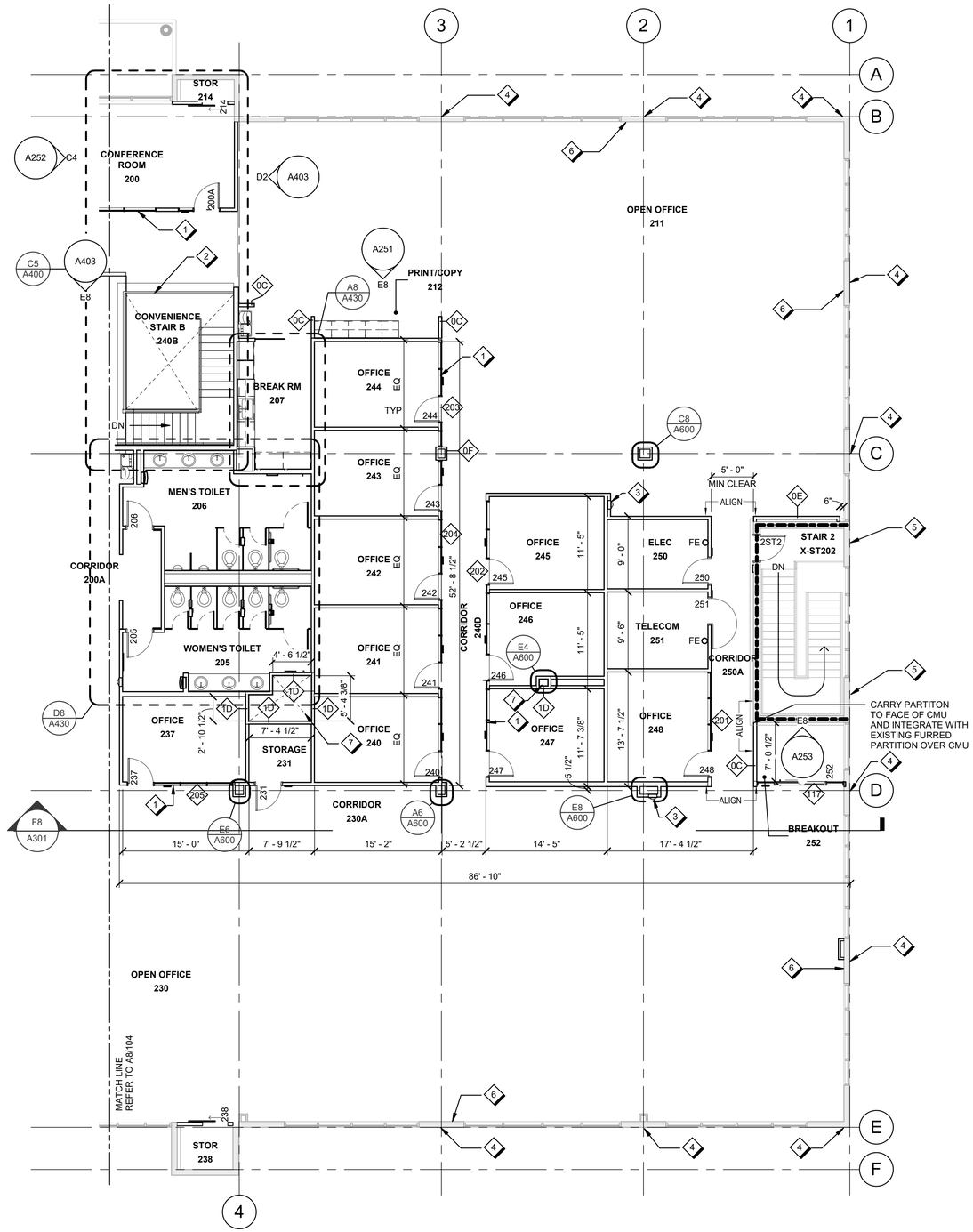
DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763

DRAWING NO. DCCA - D - ADM - A102 REV.

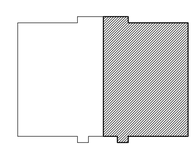
PLOT DATE/TIME: 4/13/2022 2:51:51 PM



A8 SECOND FLOOR PLAN - PART 1

A103

1/8" = 1'-0"



Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. PARTITIONS ARE TYPE 0A UNLESS OTHERWISE NOTED

B. REFER TO LIFE SAFETY DRAWINGS FOR FURTHER INFORMATION ON PARTITION RATINGS. MAINTAIN THE FIRE RATING AT ALL EXISTING PENETRATIONS THROUGH EXISTING FIRE RATED WALLS/PARTITIONS IN THE RENOVATION AREA OR ANY AREA WHERE INFRASTRUCTURE IS CARRIED THROUGH EXISTING OR ADDED FIRE RATED PARTITIONS.

C. REFER TO A630 FOR PARTITION TYPES

D. REFER TO A501 FOR DOOR SCHEDULE

E. REFER A520 & A521 FOR GLAZING AND STOREFRONT SCHEDULE

SHEET NOTES

1 GLAZED ALUM FRAMED PARTITION AS SCHEDULED.

2 GLASS PANEL GUARDRAIL SYSTEM

3 SEMI-RECESSED FIRE EXTINGUISHER CABINET

4 REPLACE EXTERIOR SEALANT JOINT FROM ABOVE STONE PILASTER TO ROOF COPING. REFER TO C3/A101

5 REPLACE EXTERIOR AND INTERIOR SEALANT JOINT THE FULL HEIGHT OF BUILDING. REFER TO ELEVATION C4/A101. INTERIOR JOINT INSIDE STAIR.

6 PATCH AND REPAIR GWB AND PROVIDE INSULATION TO MATCH EXISTING AT EXTERIOR WALL FURRED PARTITIONS WHERE ELECTRICAL BACK BOXES AND RELATED ITEMS ARE REMOVED FROM THE WALL. TYPICAL AT ENTIRE GWB AREA AT EXTERIOR WALL. REFER TO ELECTRICAL FOR ITEMS REMOVED.

7 PROVIDE SMOKE AND FIRESTOP SEALED PENETRATIONS AT THE SLAB OPENING BETWEEN DUCTS/PIPING AND THE SLAB

LEGEND

1-HOUR FIRE RATED BARRIER

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LICENSED ARCHITECT
No. 15412
ALAN N. FLORA
STATE OF MARYLAND
03.11.2022

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR - PART 1

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

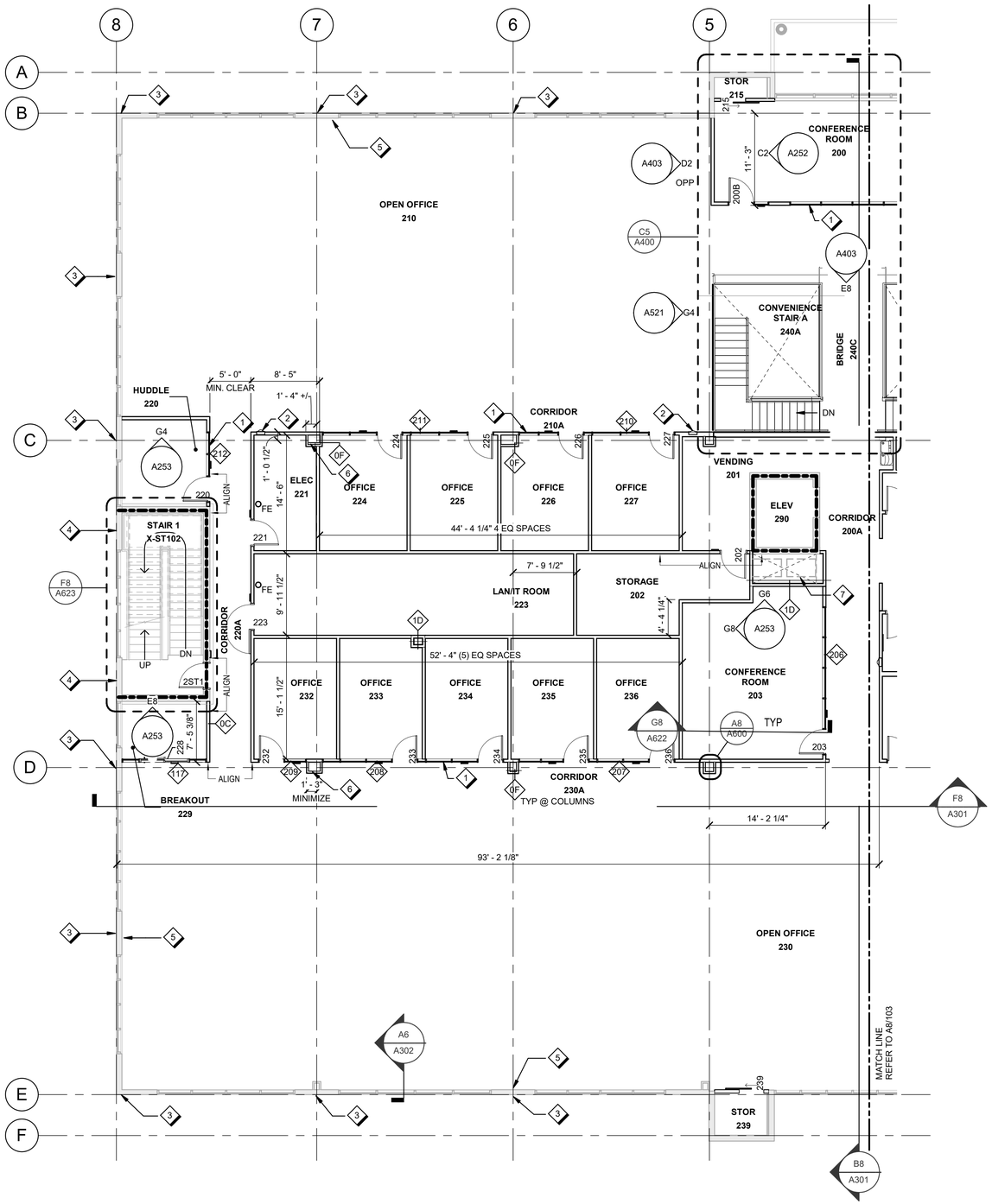
DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763

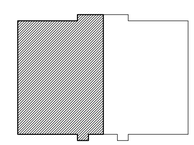
DRAWING NO. DCCA - D - ADM - A103 REV.

PLOT DATE/TIME: 3/9/2022 12:54:41 PM



A8 SECOND FLOOR PLAN - PART 2

A104 1/8" = 1'-0"



PARTS PLAN

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. PARTITIONS ARE TYPE 0A UNLESS OTHERWISE NOTED

B. REFER TO LIFE SAFETY DRAWINGS FOR FURTHER INFORMATION ON PARTITION RATINGS. MAINTAIN THE FIRE RATING AT ALL EXISTING PENETRATIONS THROUGH EXISTING FIRE RATED WALLS/PARTITIONS IN THE RENOVATION AREA OR ANY AREA WHERE INFRASTRUCTURE IS CARRIED THROUGH EXISTING OR ADDED FIRE RATED PARTITIONS.

C. REFER TO A630 FOR PARTITION TYPES

D. REFER TO A501 FOR DOOR SCHEDULE

E. REFER A520 & A521 FOR GLAZING AND STOREFRONT SCHEDULE

SHEET NOTES

1 GLAZED ALUM FRAMED PARTITION AS SCHEDULED.

2 SEMI-RECESSED FIRE EXTINGUISHER CABINET

3 REPLACE EXTERIOR SEALANT JOINT FROM ABOVE STONE PILASTER TO ROOF COPING. REFER TO C3/A101

4 REPLACE EXTERIOR AND INTERIOR SEALANT JOINT THE FULL HEIGHT OF BUILDING. REFER TO ELEVATION C4/A101. INTERIOR JOINT INSIDE STAIR.

5 PATCH AND REPAIR GWB AND PROVIDE INSULATION TO MATCH EXISTING AT EXTERIOR WALL FURRED PARTITIONS WHERE ELECTRICAL BACK BOXES AND RELATED ITEMS ARE REMOVED FROM THE WALL. TYPICAL AT ENTIRE GWB AREA AT EXTERIOR WALL. REFER TO ELECTRICAL FOR ITEMS REMOVED.

6 COORDINATE FURRED PARTITION TO ENCLOSE THE EXISTING PLUMBING RISER. MINIMIZE SIZE OF ENCLOSURE.

7 PROVIDE SMOKE AND FIRESTOP SEALED PENETRATIONS AT THE SLAB OPENING BETWEEN DUCTS/PIPING AND THE SLAB

LEGEND

1-HOUR FIRE RATED BARRIER

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR - PART 2

WARRENTON — DCCA ADM — VA

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DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
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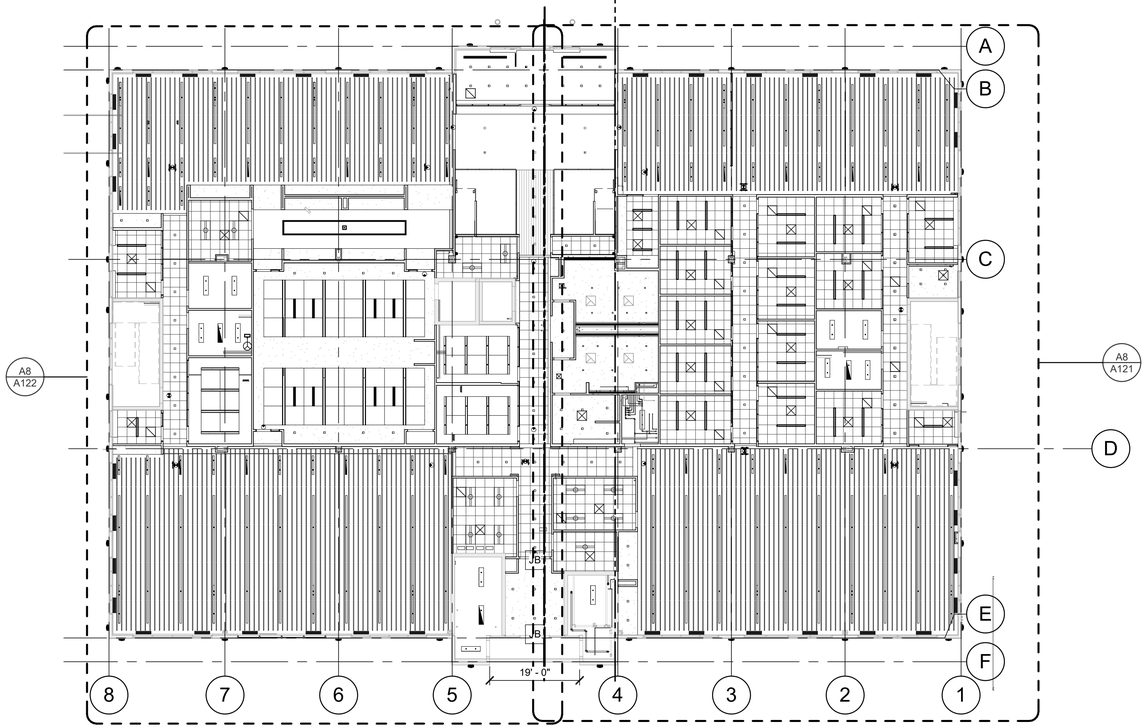
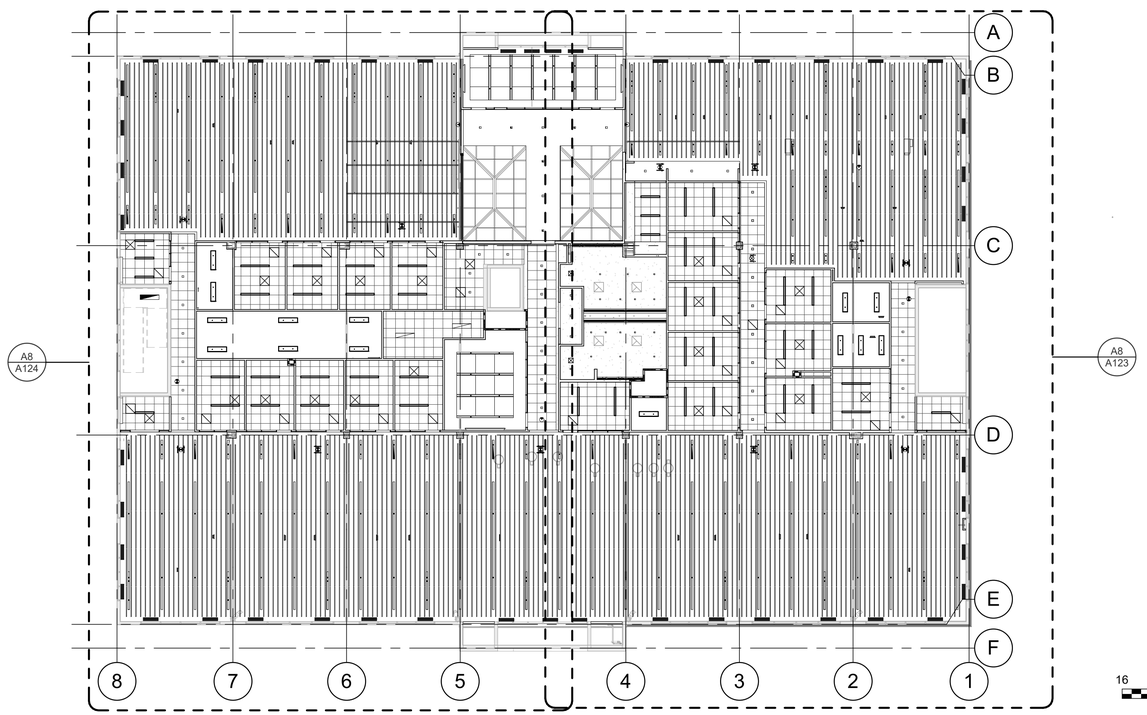
PLOT DATE/TIME: 3/9/2022 12:54:48 PM



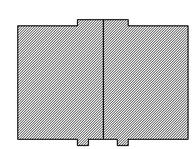
E8 / A120 **FIRST FLOOR OVERALL RCP**

1/16" = 1'-0"



A8 / A120 **SECOND FLOOR OVERALL RCP**

1/16" = 1'-0"



PARTS PLAN

16 0 16 32

Scale: 1/16 INCH = 1 FOOT

N

KEY NORTH

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

LICENSED ARCHITECT No.15412 ALAN N. FLORA STATE OF MARYLAND

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FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

GUIDE PLAN - FIRST AND SECOND FLOOR RCP

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS

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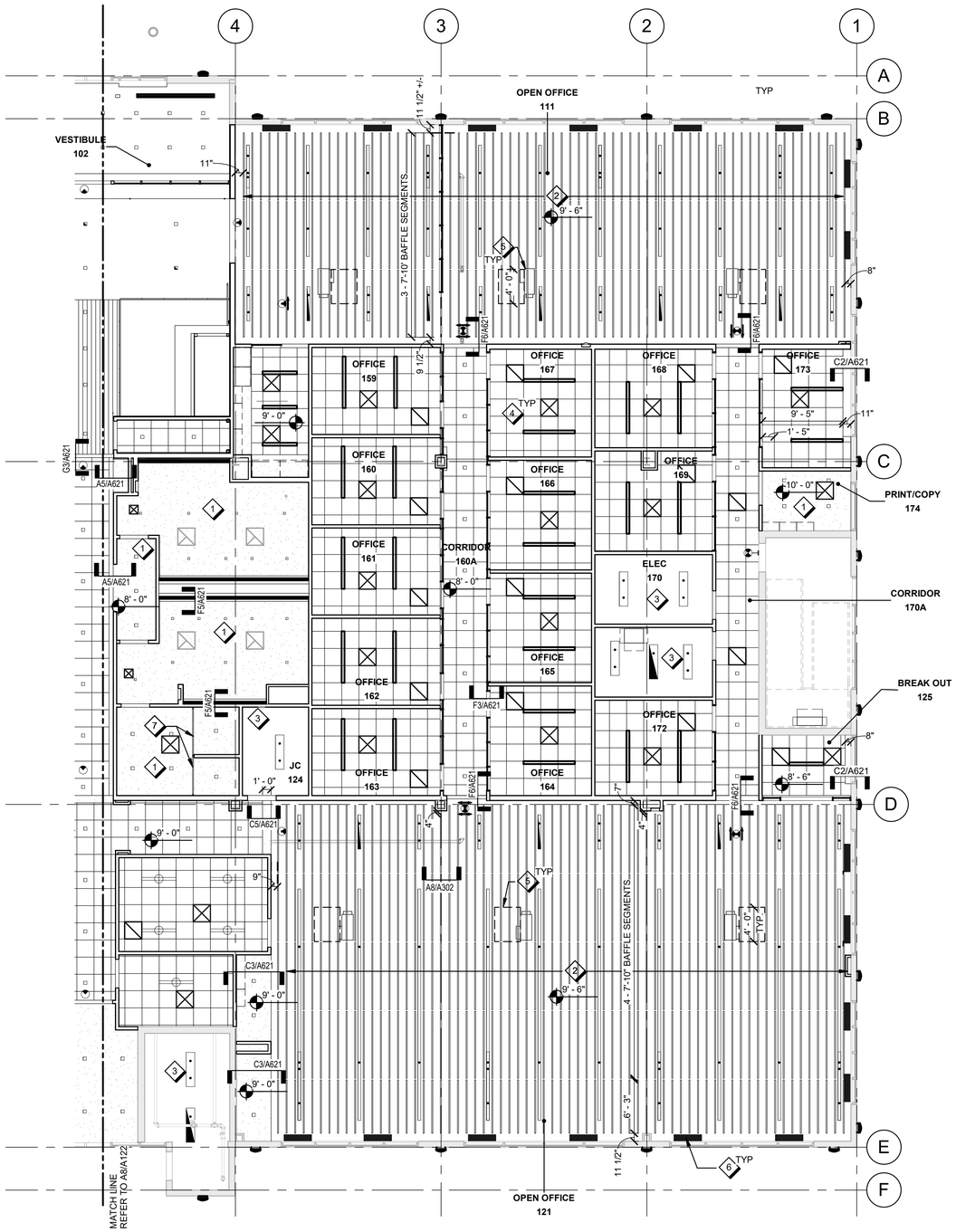
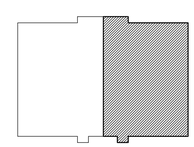
PLOT DATE/TIME: 4/13/2022 11:25:54 AM



A8 FIRST FLOOR PART 1 - RCP

A121 1/8" = 1'-0"



PARTS PLAN

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. MOUNT CEILING FIXTURES (FIRE SPRINKLER HEADS, SMOKE AND HEAT DETECTORS, CEILINGS REGISTERS, ETC.) IN CENTER OF ACOUSTICAL CEILING PANEL.

B. REFER TO G004 FOR ARCHITECTURAL CEILING MATERIAL LEGEND AND REFER TO MECH, FIRE PROTECTION, AND ELEC FOR CEILING FIXTURE LEGENDS. REFER TO THE INTERIORS FINISH SCHEDULE AND MATERIALS LEGEND FOR CEILING SYSTEM TYPES.

C. PROVIDE SIGNAGE OR STENCIL ON BOTH SIDES OF PARTITIONS/WALLS ABOVE SUSPENDED CEILING SYSTEM AT FIRE BARRIERS WITH THE FOLLOWING WORDING: "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS."
   a. WORDING MUST INDICATE HOURLY FIRE RESISTANCE RATING.
   b. TEXT MUST BE 3" IN HEIGHT AND SIGNAGE MUST BE MAXIMUM 15'-0" FROM END OF WALL AND REPEATED AT 30'-0" OC MAX.
   c. REFER TO GUIDE PLANS FOR LOCATIONS OF FIRE RESISTANCE RATED PARTITIONS AND WALLS.

D. SMOKE AND FIRESTOP PENETRATIONS AND ABANDONED PENETRATIONS THROUGH FIRE RESISTANCE RATED PARTITIONS, WALLS, AND FLOOR.

E. REFER TO A302 FOR SLOTTED CHANNEL STRUCTURE PER DELEGATED DESIGN FROM WHICH CEILING AND LIGHTING MUST BE HUNG.

F. CEILING CLOUDS SHOWN CENTERED IN ROOMS WITH OPEN EXPOSED STRUCTURE CEILING AT THE PERIMETER ARE TO BE PLACED WITH EQUAL DISTANCES TO WALL FROM ALL SIDES OF THE CLOUD.

G. TYPICAL ENCLOSED CEILING 8'-6" UNO.

H. ABOVE BAFFLE CEILING PROVIDE A DIRECT APPLIED TO DECK ACP CEILING SYSTEM. TO COVER 75% OF STRUCTURAL DECK ABOVE THE CEILING. PLACEMENT MUST AVOID MAJOR STRUCTURAL AND MEP ITEM SUPPORTS TIED BACK TO THE DECK.

SHEET NOTES

1 SUSPENDED GWB CEILING SYSTEM OR GWB SOFFIT

2 SUSPENDED BAFFLE PANEL CEILING SYSTEM

3 EXPOSED TO STRUCTURE

4 2' X 2' SUSPENDED APC CEILING SYSTEM

5 AT VAV BOX PROVIDE REMOVABLE BAFFLES WITHIN DASHED LINE BOX SHOWN AND ENSURE THAT THE UNISTRUT FRAMING IS NOT PLACED IN THE ACCESSIBLE AREA.

6 MECHANICAL DIFFUSER, REFER TO MECHANICAL

7 CEILING MOUNTED PRIVACY CURTAIN

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR - PART 1 - REFLECTED CEILING PLAN

WARRENTON — DCCA ADM — VA

LICENSED ARCHITECT No. 15412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

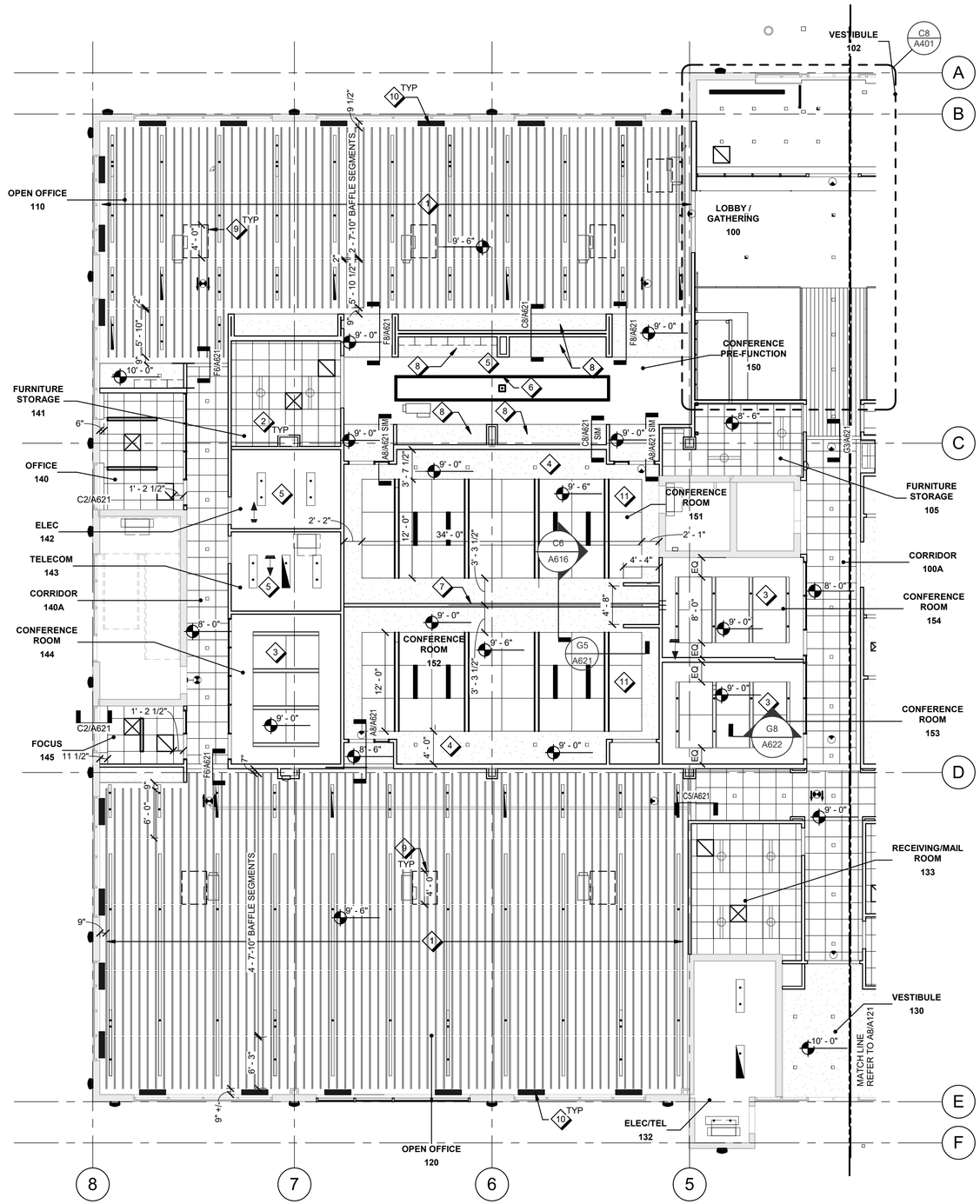
Jacobs

DCCA ADM
WARRENTON, VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A121 REV.

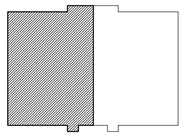
PLOT DATE/TIME: 4/8/2022 12:19:18 PM



A8 FIRST FLOOR PART 2 - RCP

A122

1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

N

KEY NORTH

GENERAL SHEET NOTES

A. MOUNT CEILING FIXTURES (FIRE SPRINKLER HEADS, SMOKE AND HEAT DETECTORS, CEILINGS REGISTERS, ETC.) IN CENTER OF ACOUSTICAL CEILING PANEL.

B. REFER TO G004 FOR ARCHITECTURAL CEILING MATERIAL LEGEND AND REFER TO MECH, FIRE PROTECTION, AND ELEC FOR CEILING FIXTURE LEGENDS. REFER TO THE INTERIORS FINISH SCHEDULE AND MATERIALS LEGEND FOR CEILING SYSTEM TYPES.

C. PROVIDE SIGNAGE OR STENCIL ON BOTH SIDES OF PARTITIONS/WALLS ABOVE SUSPENDED CEILING SYSTEM AT FIRE BARRIERS WITH THE FOLLOWING WORDING: "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS."
   a. WORDING MUST INDICATE HOURLY FIRE RESISTANCE RATING.
   b. TEXT MUST BE 3" IN HEIGHT AND SIGNAGE MUST BE MAXIMUM 15'-0" FROM END OF WALL AND REPEATED AT 30'-0" OC MAX.
   c. REFER TO GUIDE PLANS FOR LOCATIONS OF FIRE RESISTANCE RATED PARTITIONS AND WALLS.

D. SMOKE AND FIRESTOP PENETRATIONS AND ABANDONED PENETRATIONS THROUGH FIRE RESISTANCE RATED PARTITIONS, WALLS, AND FLOOR.

E. REFER TO A302 FOR SLOTTED CHANNEL STRUCTURE PER DELEGATED DESIGN FROM WHICH CEILING AND LIGHTING MUST BE HUNG.

F. CEILING CLOUDS SHOWN CENTERED IN ROOMS WITH OPEN EXPOSED STRUCTURE CEILING AT THE PERIMETER ARE TO BE PLACED WITH EQUAL DISTANCES TO WALL FROM ALL SIDES OF THE CLOUD.

G. TYPICAL ENCLOSED CEILING 8'-6" UNO.

H. ABOVE BAFFLE CEILING PROVIDE A DIRECT APPLIED TO DECK ACP CEILING SYSTEM. TO COVER 75% OF STRUCTURAL DECK ABOVE THE CEILING. PLACEMENT MUST AVOID MAJOR STRUCTURAL AND MEP ITEM SUPPORTS TIED BACK TO THE DECK.

SHEET NOTES

1	SUSPENDED BAFFLE PANEL CEILING SYSTEM
2	2' X 2' SUSPENDED APC CEILING SYSTEM
3	4' X 4' LARGE FORMAT SUSPENDED APC CEILING CLOUD - WITH OPEN TO STRUCTURE CEILING AT PERIMETER UNO
4	SUSPENDED GWB CEILING SYSTEM OR GWB SOFFIT
5	EXPOSED TO STRUCTURE
6	ELECTRICAL EQUIPMENT. REFER TO ELECTRICAL
7	FOLDING PANEL PARTITION TRACK
8	GWB CEILING TO BE CLAD IN WOOD FINISH, REFER TO FINISH MATERIAL LEGEND AND ROOM FINISH SCHEDULE
9	AT VAV BOX PROVIDE REMOVABLE BAFFLES WITHIN DASHED LINE BOX SHOWN AND ENSURE THAT THE UNISTRUT FRAMING IS NOT PLACED IN THE ACCESSIBLE AREA.
10	MECHANICAL DIFFUSER, REFER TO MECHANICAL
11	4' X 4' LARGE FORMAT SUSPENDED APC2 CEILING SYSTEM

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LICENSED ARCHITECT No. 15412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

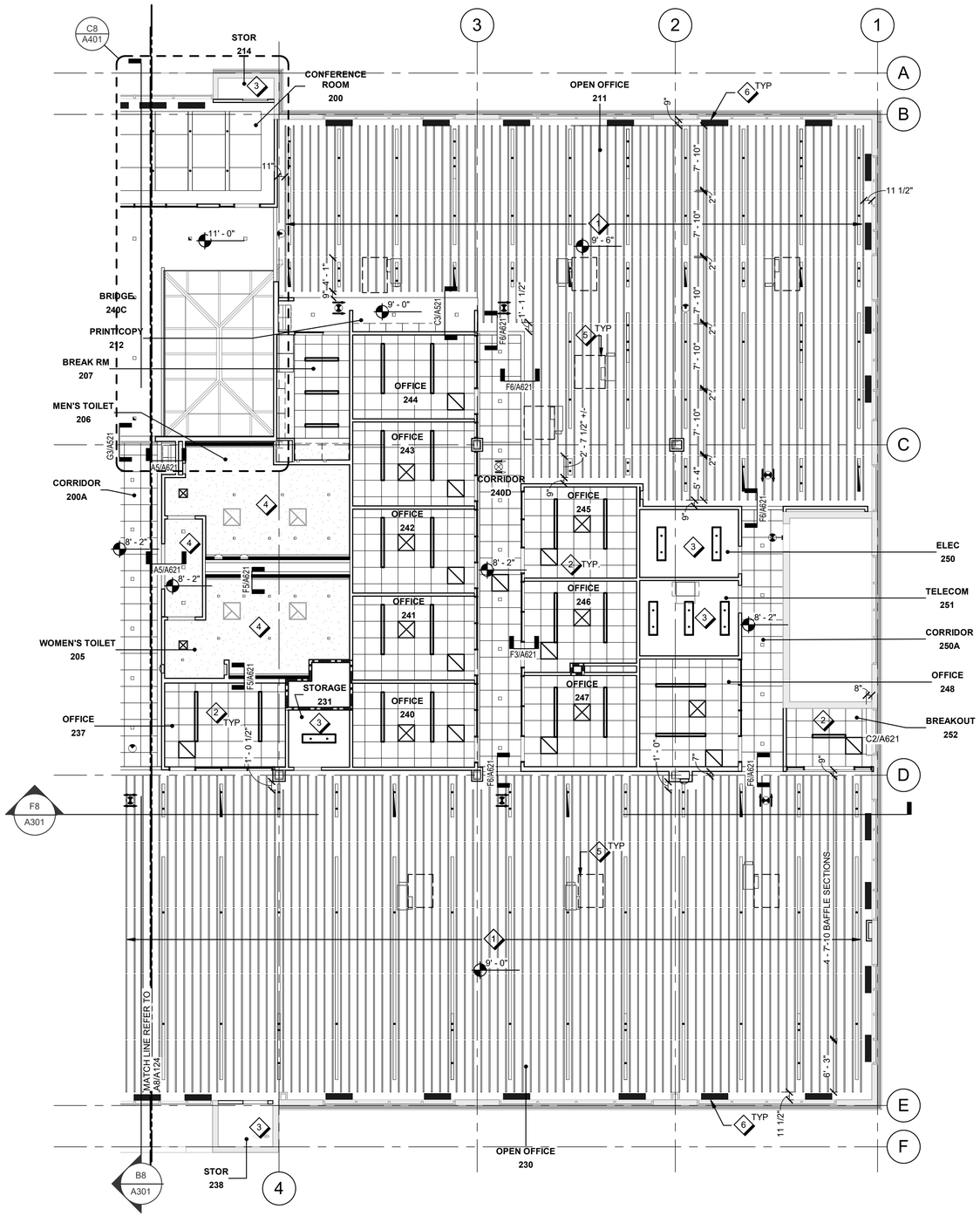
FIRST FLOOR - PART 2 - REFLECTED CEILING PLAN

WARRENTON — DCCA ADM — VA

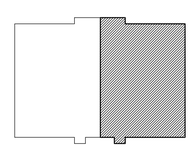
REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A122
REV.

PLOT DATE/TIME: 4/8/2022 12:19:22 PM



A8 SECOND FLOOR PART 1 RCP
A123 1/8" = 1'-0"



PARTS PLAN

8 0 8 16
Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. MOUNT CEILING FIXTURES (FIRE SPRINKLER HEADS, SMOKE AND HEAT DETECTORS, CEILINGS REGISTERS, ETC.) IN CENTER OF ACOUSTICAL CEILING PANEL.

B. REFER TO G004 FOR ARCHITECTURAL CEILING MATERIAL LEGEND AND REFER TO MECH, FIRE PROTECTION, AND ELEC FOR CEILING FIXTURE LEGENDS. REFER TO THE INTERIORS FINISH SCHEDULE AND MATERIALS LEGEND FOR CEILING SYSTEM TYPES.

C. PROVIDE SIGNAGE OR STENCIL ON BOTH SIDES OF PARTITIONS/WALLS ABOVE SUSPENDED CEILING SYSTEM AT FIRE BARRIERS WITH THE FOLLOWING WORDING: "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS."
   a. WORDING MUST INDICATE HOURLY FIRE RESISTANCE RATING.
   b. TEXT MUST BE 3" IN HEIGHT AND SIGNAGE MUST BE MAXIMUM 15'-0" FROM END OF WALL AND REPEATED AT 30'-0" OC MAX.
   c. REFER TO GUIDE PLANS FOR LOCATIONS OF FIRE RESISTANCE RATED PARTITIONS AND WALLS.

D. SMOKE AND FIRESTOP PENETRATIONS AND ABANDONED PENETRATIONS THROUGH FIRE RESISTANCE RATED PARTITIONS, WALLS, AND FLOOR.

E. REFER TO A302 FOR SLOTTED CHANNEL STRUCTURE PER DELEGATED DESIGN FROM WHICH CEILING AND LIGHTING MUST BE HUNG.

F. CEILING CLOUDS SHOWN CENTERED IN ROOMS WITH OPEN EXPOSED STRUCTURE CEILING AT THE PERIMETER ARE TO BE PLACED WITH EQUAL DISTANCES TO WALL FROM ALL SIDES OF THE CLOUD.

G. TYPICAL ENCLOSED CEILING 8'-6" UNO.

H. ABOVE BAFFLE CEILING PROVIDE A DIRECT APPLIED TO DECK ACP CEILING SYSTEM. TO COVER 75% OF STRUCTURAL DECK ABOVE THE CEILING. PLACEMENT MUST AVOID MAJOR STRUCTURAL AND MEP ITEM SUPPORTS TIED BACK TO THE DECK.

SHEET NOTES

1	SUSPENDED BAFFLE PANEL CEILING SYSTEM
2	2' X 2' SUSPENDED APC CEILING SYSTEM
3	EXPOSED TO STRUCTURE
4	SUSPENDED GWB CEILING SYSTEM OR GWB SOFFIT
5	AT VAV BOX PROVIDE REMOVABLE BAFFLES WITHIN DASHED LINE BOX SHOWN AND ENSURE THAT THE UNISTRUT FRAMING IS NOT PLACED IN THE ACCESSIBLE AREA.
6	MECHANICAL DIFFUSER, REFER TO MECHANICAL

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LICENSED ARCHITECT No. 16412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

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1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

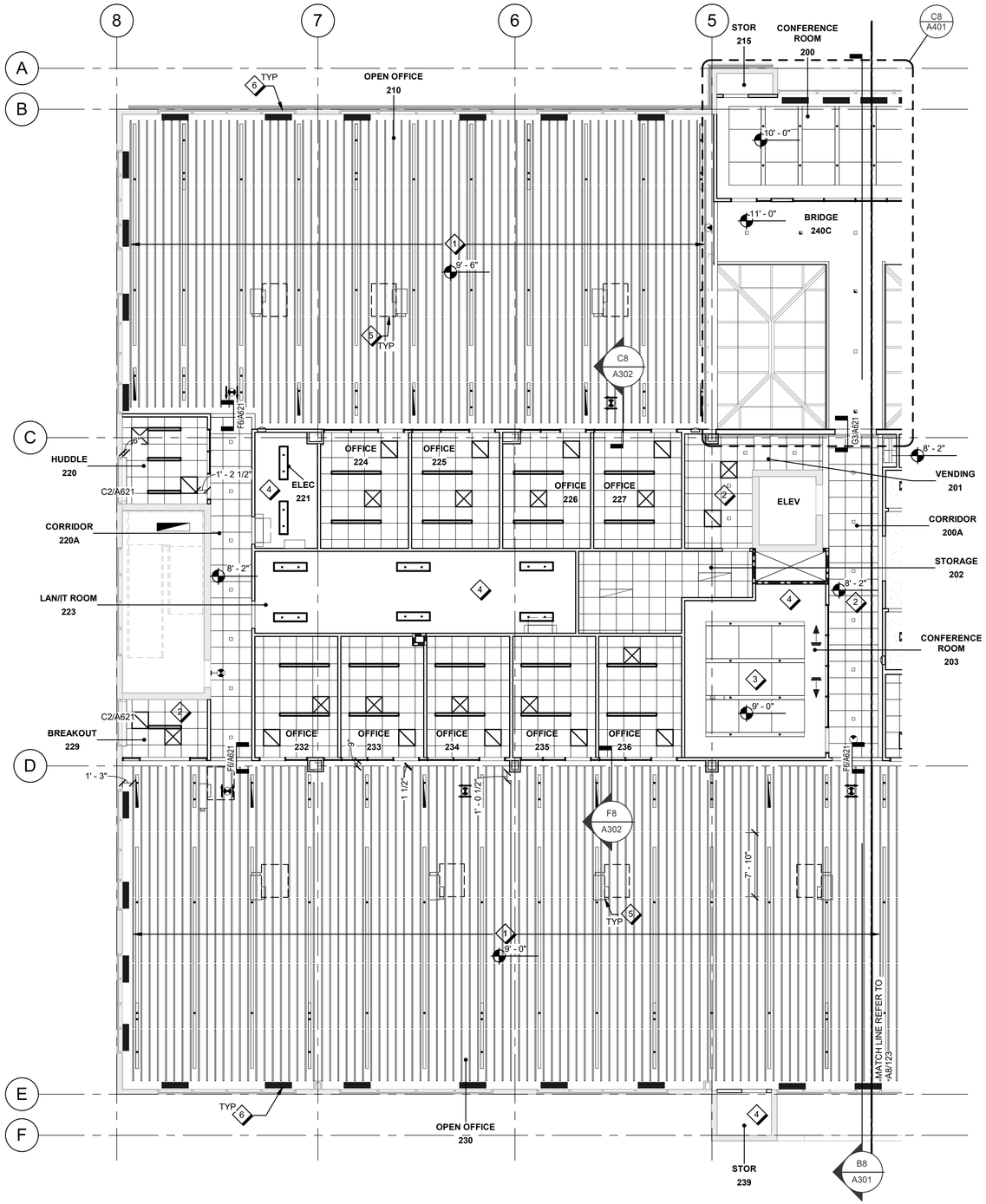
SECOND FLOOR - PART 1 - REFLECTED CEILING PLAN

WARRENTON — DCCA ADM — VA

DCCA ADM
WARRENTON, VA

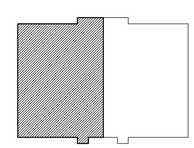
REVIEWED BY	
SUBMITTED BY	
SUBMITTER'S TITLE	
APPROVED BY	
APPROVER'S TITLE	
DESIGNED BY	A. FLORA
DRAWN BY	M. PEREZ
CHECKED BY	W. STEVENS
ISSUED BY	ENGINEERING SERVICES TERMINAL
DATE	03/11/2022
JCN:	21001763
DRAWING NO.	DCCA - D - ADM - A123
REV.	

PLOT DATE/TIME: 3/9/2022 12:55:26 PM



A8 SECOND FLOOR PART 2 RCP

A124 1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

N

KEY NORTH

GENERAL SHEET NOTES

A. MOUNT CEILING FIXTURES (FIRE SPRINKLER HEADS, SMOKE AND HEAT DETECTORS, CEILINGS REGISTERS, ETC.) IN CENTER OF ACOUSTICAL CEILING PANEL.

B. REFER TO G004 FOR ARCHITECTURAL CEILING MATERIAL LEGEND AND REFER TO MECH, FIRE PROTECTION, AND ELEC FOR CEILING FIXTURE LEGENDS. REFER TO THE INTERIORS FINISH SCHEDULE AND MATERIALS LEGEND FOR CEILING SYSTEM TYPES.

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   c. REFER TO GUIDE PLANS FOR LOCATIONS OF FIRE RESISTANCE RATED PARTITIONS AND WALLS.

D. SMOKE AND FIRESTOP PENETRATIONS AND ABANDONED PENETRATIONS THROUGH FIRE RESISTANCE RATED PARTITIONS, WALLS, AND FLOOR.

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F. CEILING CLOUDS SHOWN CENTERED IN ROOMS WITH OPEN EXPOSED STRUCTURE CEILING AT THE PERIMETER ARE TO BE PLACED WITH EQUAL DISTANCES TO WALL FROM ALL SIDES OF THE CLOUD.

G. TYPICAL ENCLOSED CEILING 8'-6" UNO.

H. ABOVE BAFFLE CEILING PROVIDE A DIRECT APPLIED TO DECK ACP CEILING SYSTEM. TO COVER 75% OF STRUCTURAL DECK ABOVE THE CEILING. PLACEMENT MUST AVOID MAJOR STRUCTURAL AND MEP ITEM SUPPORTS TIED BACK TO THE DECK.

SHEET NOTES

1 SUSPENDED BAFFLE PANEL CEILING SYSTEM

2 2' X 2' SUSPENDED APC CEILING SYSTEM

3 4' X 4' LARGE FORMAT SUSPENDED APC CEILING CLOUD - WITH OPEN TO STRUCTURE CEILING AT PERIMETER UNO

4 EXPOSED TO STRUCTURE

5 AT VAV BOX PROVIDE REMOVABLE BAFFLES WITHIN DASHED LINE BOX SHOWN AND ENSURE THAT THE UNISTRUT FRAMING IS NOT PLACED IN THE ACCESSIBLE AREA.

6 MECHANICAL DIFFUSER, REFER TO MECHANICAL

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR - PART 2 - REFLECTED CEILING PLAN

WARRENTON DCCA ADM VA

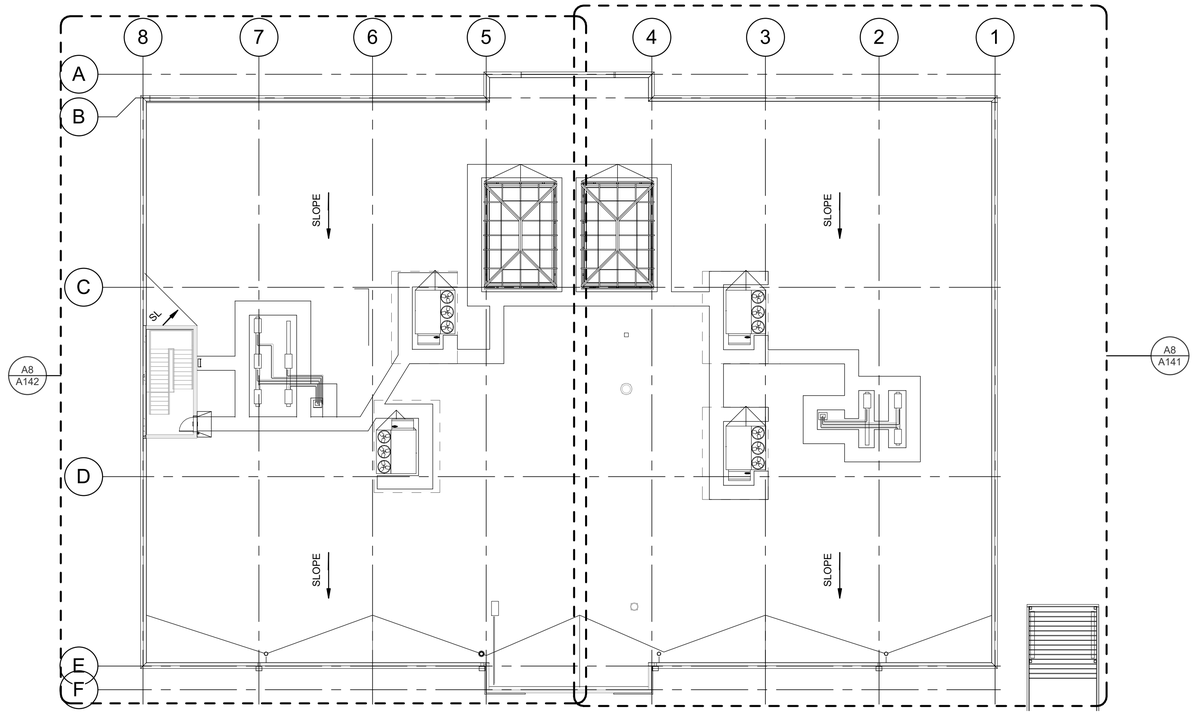
LICENSED ARCHITECT No.15412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

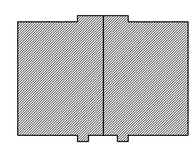
DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A124 REV.

PLOT DATE/TIME: 3/9/2022 12:55:33 PM



E8 / A140 ROOF PLAN

1/16" = 1'-0"



PARTS PLAN

Scale: 1/16 INCH = 1 FOOT

KEY NORTH

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LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND

03.11.2022

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DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

GUIDE PLAN - ROOF

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

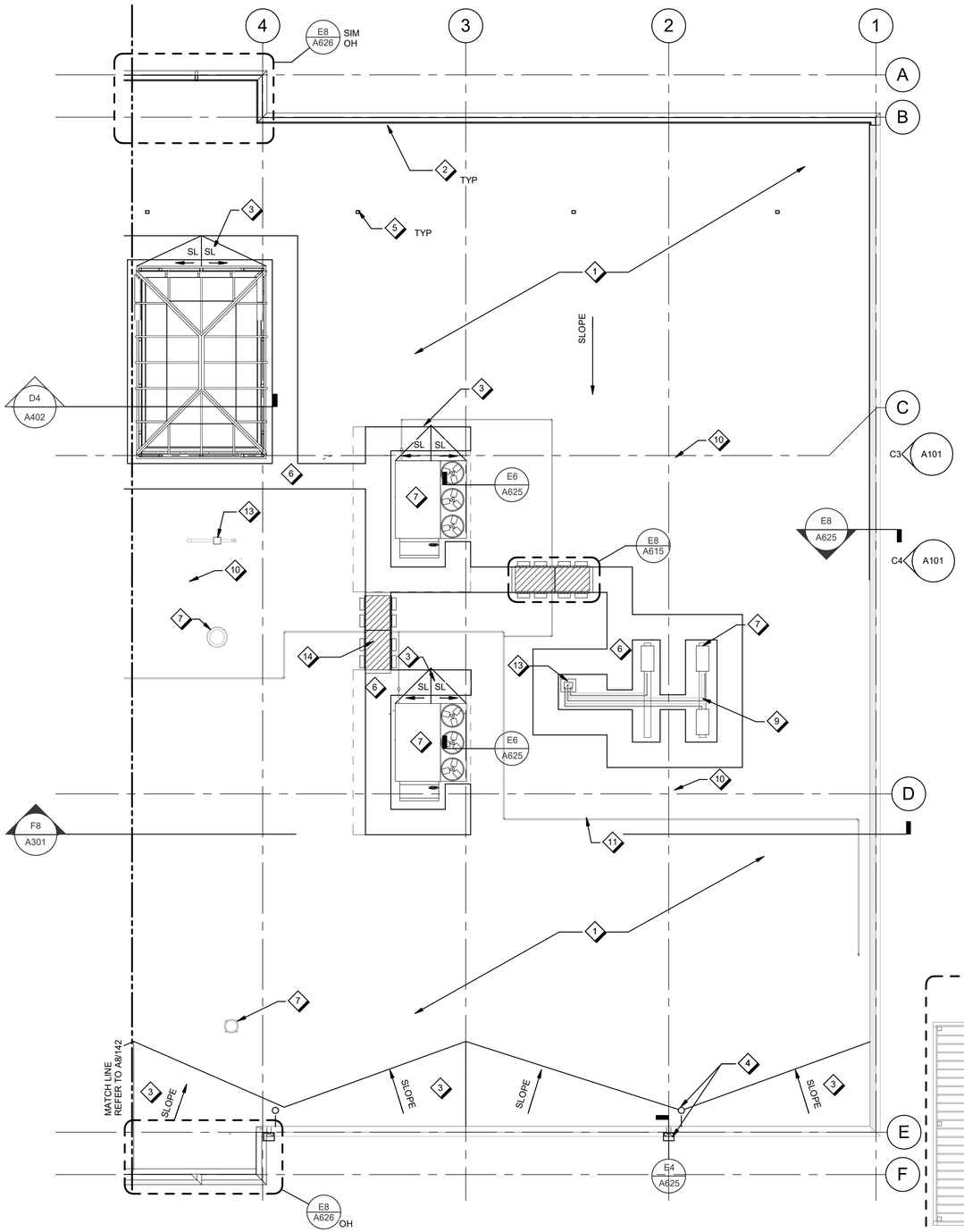
DCCA ADM
WARRENTON, VA

DESIGNED BY	A. FLORA	ISSUED BY	ENGINEERING SERVICES TERMINAL
DRAWN BY	M. PEREZ		
CHECKED BY	W. STEVENS		

DATE 03/11/2022 — JCN: 21001763

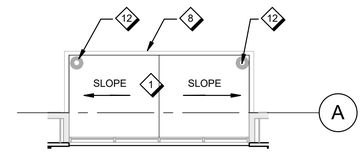
DRAWING NO. DCCA - D - ADM - A140 — REV.

PLOT DATE/TIME: 3/9/2022 12:55:39 PM



A8 ROOF PLAN - PART 1

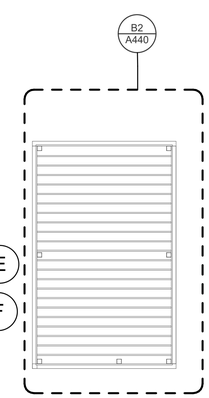
A141 1/8" = 1'-0"

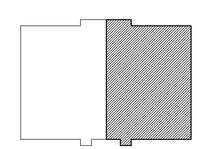


NOTE: CANOPY ROOF TAPERED INSULATION AND SLOPE TO MATCH EXISTING

G4 CANOPY ROOF

A141 1/8" = 1'-0"





PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

N

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO PLUMBING FOR ADDITIONAL ROOF DRAIN AND OVERFLOW ROOF DRAIN INFORMATION.

B. COORD ELECTRONIC LEAK DETECTION CONNECTIONS WITH SYSTEM SELECTED AND ROOFING MANUFACTURER REQUIREMENTS.

SHEET NOTES

1	TPO ROOF SYSTEM
2	EIFS DECORATIVE AND METAL COPING CAP
3	CRICKET
4	PROVIDE CONDUCTOR HEAD AND DOWNSPOUT AND REPLACE IN KIND. ALL COMPONENTS ARE TO BE PREFINISHED METAL.
5	FALL PROTECTION SYSTEM AT THE NORTH ROOF AREA ONLY WHERE PARAPET FALLS BELOW 42" – FALL PROTECTION TIE OFF LOCATIONS AND DESIGN PER DELEGATED DESIGN BY THE FALL PROTECTION MANUFACTURER
6	WALKWAY PAD
7	MECHANICAL EQUIPMENT - REFER TO MECHANICAL
8	EXISTING COPING TO REMAIN
9	EQUIPMENT SUPPORT CURB
10	PLUMBING EQUIPMENT. REFER TO PLUMBING
11	PIPING, REFER TO PLUMBING FOR MOUNTING
12	EXISTING ROOF DRAIN TO REMAIN
13	PIPE HOUSING. FOR DETAIL, SIZE, AND LOCATION REFER TO MECHANICAL
14	RAMP OVER PIPES FOR PROTECTION

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LICENSED ARCHITECT No.16412 ALAN W. FLORA STATE OF MARYLAND

03.11.2022

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

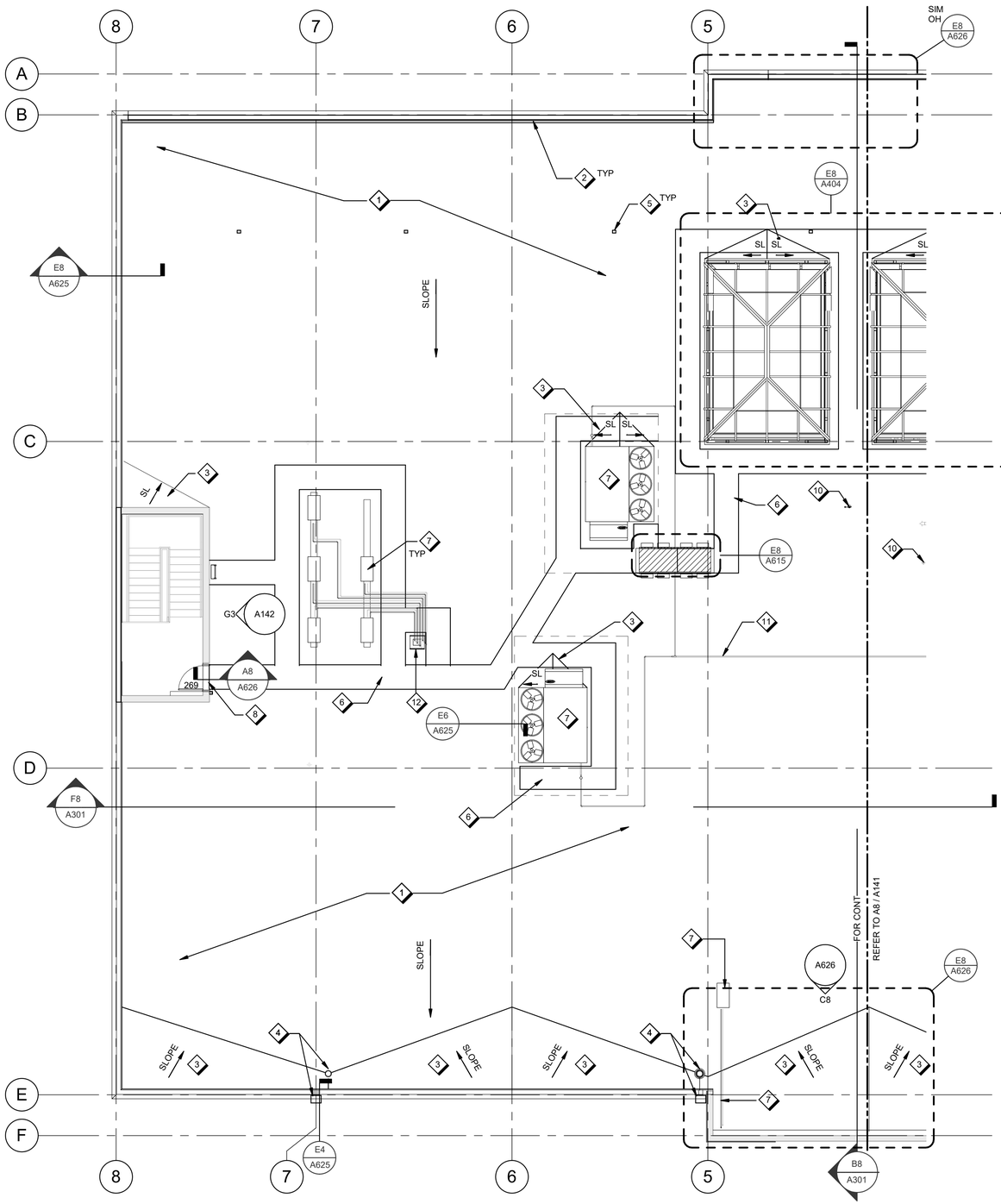
ROOF PLAN - PART 1

WARRENTON — DCCA ADM — VA

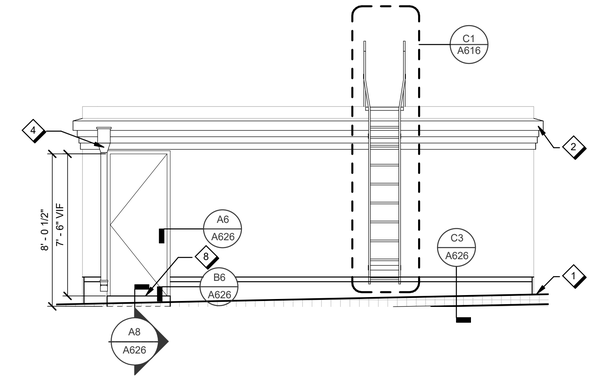
REVIEWED BY	SUBMITTED BY		APPROVED BY
	SUBMITTER'S TITLE		APPROVER'S TITLE
DESIGNED BY A. FLORA	ISSUED BY	DATE 03/11/2022	JCN: 21001763
DRAWN BY M. PEREZ	ENGINEERING SERVICES TERMINAL	DRAWING NO. DCCA - D - ADM - A141	REV.
CHECKED BY W. STEVENS			

DCCA ADM
WARRENTON, VA

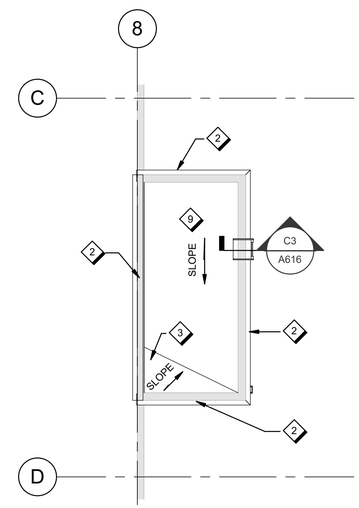
PLOT DATE/TIME: 3/9/2022 12:55:58 PM



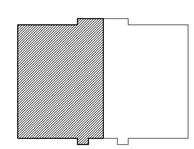
A8 ROOF PLAN - PART 2
A142 — 1/8" = 1'-0"



G3 ELEVATION - ROOF STAIR
A142 — 1/4" = 1'-0"



C3 STAIR ROOF PLAN
A142 — 1/8" = 1'-0"



PARTS PLAN

Scale: 1/8 INCH = 1 FOOT

Scale: 1/4 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO PLUMBING FOR ADDITIONAL ROOF DRAIN AND OVERFLOW ROOF DRAIN INFORMATION.

B. COORD ELECTRONIC LEAK DETECTION CONNECTIONS WITH SYSTEM SELECTED AND ROOFING MANUFACTURER REQUIREMENTS.

SHEET NOTES

1	TPO ROOF SYSTEM
2	EIFS DECORATIVE AND METAL COPING CAP
3	CRICKET
4	PROVIDE CONDUCTOR HEAD AND DOWNSPOUT AND REPLACE IN KIND. ALL COMPONENTS ARE TO BE PREFINISHED METAL.
5	FALL PROTECTION SYSTEM AT THE NORTH ROOF AREA ONLY WHERE PARAPET FALLS BELOW 42" – FALL PROTECTION TIE OFF LOCATIONS AND DESIGN PER DELEGATED DESIGN BY THE FALL PROTECTION MANUFACTURER
6	WALKWAY PAD
7	MECHANICAL EQUIPMENT - REFER TO MECHANICAL
8	DOOR CURB
9	VERIFY IN FIELD EXISTING ROOF COMPOSITION. PROVIDE TPO ROOF SYSTEM WITH EQUIVALENT OR GREATER INSULATION THICKNESS AND MATCH EXISTING ROOF SLOPE
10	PLUMBING EQUIPMENT. REFER TO PLUMBING
11	PIPING, REFER TO PLUMBING FOR MOUNTING
12	PIPE HOUSING. FOR DETAIL, SIZE, AND LOCATION REFER TO MECHANICAL

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ROOF PLAN - PART 2

WARRENTON — DCCA ADM — VA

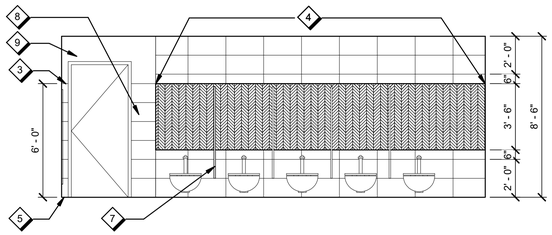
LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

Jacobs

DCCA ADM
WARRENTON, VA

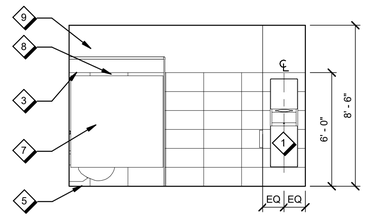
REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE
DESIGNED BY A. FLORA	ISSUED BY ENGINEERING SERVICES TERMINAL	DATE 03/11/2022 — JCN: 21001763
DRAWN BY M. PEREZ		DRAWING NO. DCCA - D - ADM - A142 — REV.
CHECKED BY W. STEVENS		

PLOT DATE/TIME: 3/9/2022 12:56:10 PM



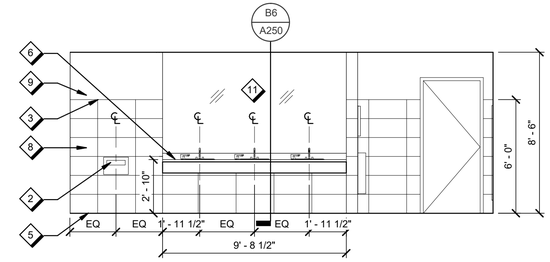
G8 A250 WOMEN'S TOILET NORTH ELEVATION, TYP.

1/4" = 1'-0"



G6 A250 WOMEN'S TOILET EAST ELEVATION, TYP.

1/4" = 1'-0"

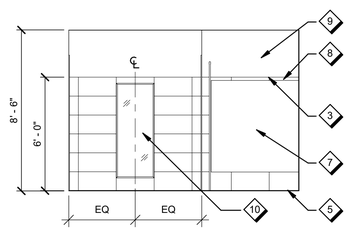


G4 A250 WOMEN'S TOILET SOUTH ELEVATION, TYP.

1/4" = 1'-0"

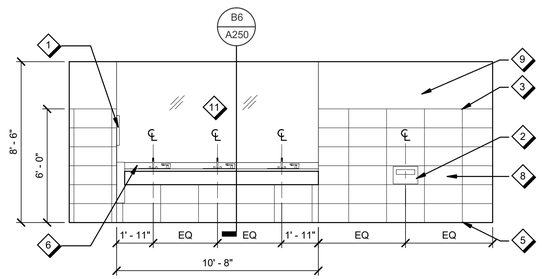
SHEET NOTES

1	RECESSED PAPER TOWEL DISPENSER AND TRASH RECEPTACLE
2	SEAT COVER DISPENSER
3	CAP PCT1 WITH SCHLUTER STRIP JOLLY, BRUSHED CHROME (ACGB)
4	PORCELAIN WALL TILE PWT1 AS SCHEDULED, LOCATE FIRST TILE ON CENTER OF PARTITION
5	INSTALL SCHLUTER DILEX-HKS IN BRUSHED STAINLESS STEEL AS BASE TRIM BETWEEN PORCELAIN FLOOR TILE AND WALL TILE
6	SOLID SURFACE SSM2 COUNTER AND BACKSPLASH AS SCHEDULED
7	TOILET PARTITION TP1 AS SCHEDULED
8	PORCELAIN CERAMIC TILE PCT1 AS SCHEDULED
9	PAINT WALL AS SCHEDULED
10	FULL LENGTH MIRROR
11	FULL WIDTH MIRROR



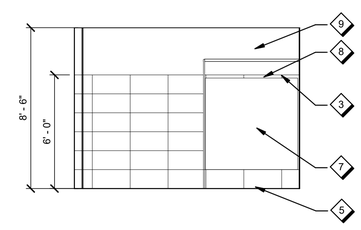
E8 A250 WOMEN'S TOILET WEST ELEVATION, TYP.

1/4" = 1'-0"



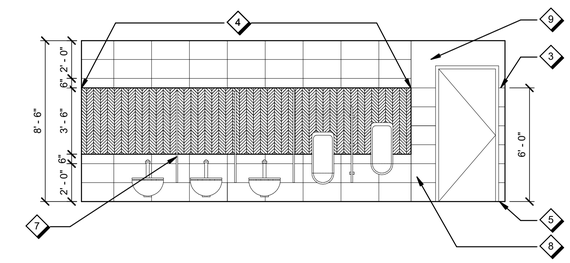
E6 A250 MEN'S TOILET NORTH ELEVATION, TYP.

1/4" = 1'-0"



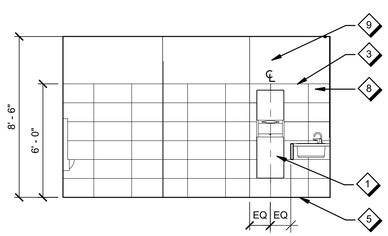
E4 A250 MEN'S TOILET EAST ELEVATION, TYP.

1/4" = 1'-0"



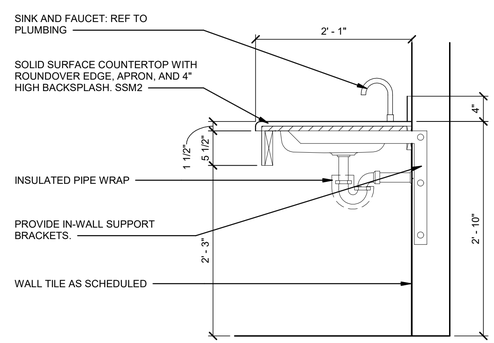
E2 A250 MEN'S TOILET SOUTH ELEVATION, TYP.

1/4" = 1'-0"



C8 A250 MEN'S TOILET WEST ELEVATION, TYP.

1/4" = 1'-0"



B6 A250 COUNTERTOP AT RESTROOM SINK

1" = 1'-0"

Scale: 1 INCH = 1 FOOT

Scale: 1/4 INCH = 1 FOOT

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LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

INTERIOR ELEVATIONS - RESTROOMS

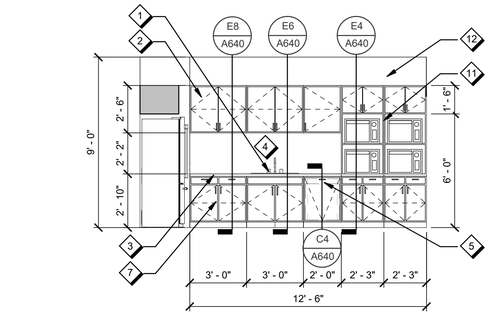
WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

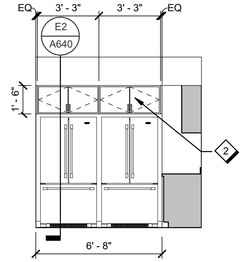
DCCA ADM
WARRENTON, VA

DESIGNED BY K. MILLER
DRAWN BY K. MILLER
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A250
REV.

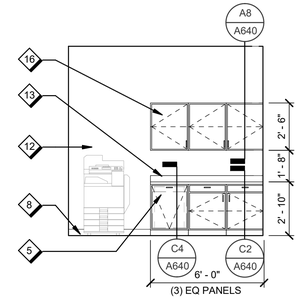
PLOT DATE/TIME: 3/9/2022 12:56:18 PM



G8 A251 **BREAK ROOM WEST ELEVATION, TYP.**
1/4" = 1'-0"



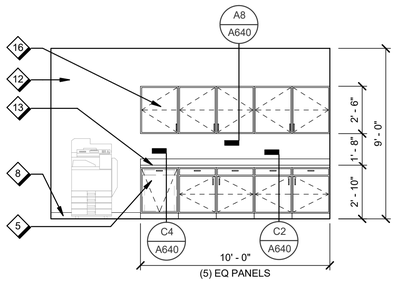
G6 A251 **BREAK ROOM SOUTH ELEVATION, TYP.**
1/4" = 1'-0"



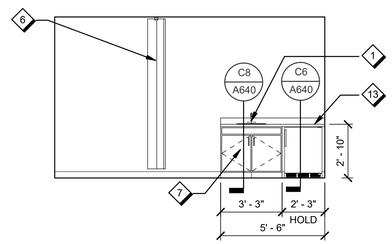
G4 A251 **TYPICAL PRINT/COPY MILLWORK**
1/4" = 1'-0"

SHEET NOTES

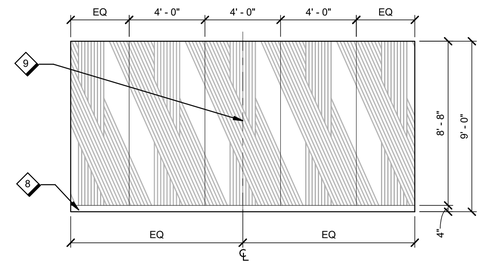
1. SINK AS SCHEDULED, REFER TO PLUMBING
2. UPPER CABINETS TO BE PL1 AS SCHEDULED
3. SOLID SURFACE COUNTER SSM1 AS SCHEDULED
4. EXTEND SSM1 TO UNDERSIDE OF UPPER CABINETS
5. ROLL OUT TRASH/RECYCLE DRAWER
6. PRIVACY CURTAIN PC1 AS SCHEDULED
7. LOWER CABINETS TO BE PL2 AS SCHEDULED
8. WALL BASE RB1 AS SCHEDULED
9. ACOUSTICAL WALL PANEL AWP1 AS SCHEDULED, CENTER WALL PANEL ON PARTITION AS NOTED
10. WALL MOUNTED MONITOR (OFOI), CENTER ON AWP1 AS NOTED. PROVIDE BLOCKING AS REQUIRED. COORDINATE WITH ELECTRICAL.
11. MICROWAVE TOWER FINISH PL1 AS SCHEDULED
12. PAINT WALL AS SCHEDULED
13. SOLID SURFACE SSM1 COUNTER AND BACKSPLASH AS SCHEDULED
14. GLASS MARKER BOARD MB1 AS SCHEDULED. PROVIDE BLOCKING AS REQUIRED.
15. OPERABLE PARTITION OP1 AS SCHEDULED
16. UPPER AND LOWER CABINETS TO BE PL1 AS SCHEDULED



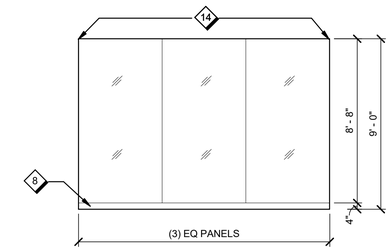
E8 A251 **PRINT/COPY 212 MILLWORK**
1/4" = 1'-0"



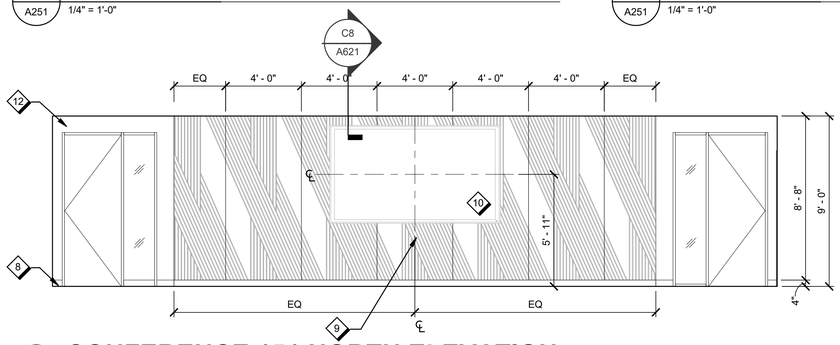
E6 A251 **MOTHER'S ROOM 155 MILLWORK**
1/4" = 1'-0"



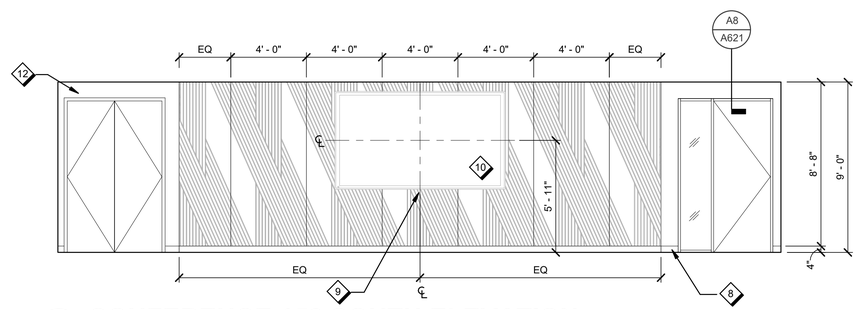
E4 A251 **CONFERENCE 144 EAST ELEVATION**
1/4" = 1'-0"



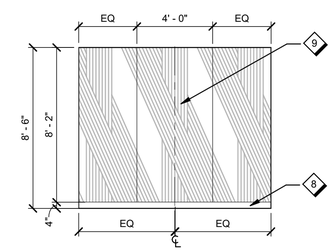
E2 A251 **CONFERENCE 144 SOUTH ELEVATION**
1/4" = 1'-0"



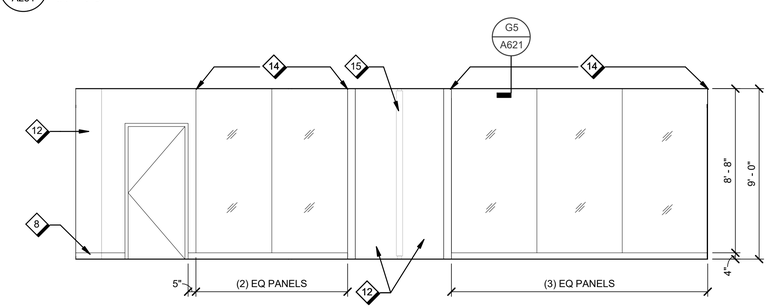
C8 A251 **CONFERENCE 151 NORTH ELEVATION**
1/4" = 1'-0"



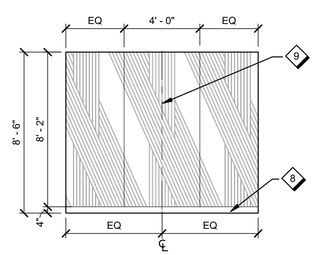
C5 A251 **CONFERENCE 152 SOUTH ELEVATION**
1/4" = 1'-0"



C2 A251 **FOCUS 145 NORTH ELEVATION**
1/4" = 1'-0"



A8 A251 **CONFERENCE 151 AND 152 EAST ELEVATION**
1/4" = 1'-0"



A5 A251 **FOCUS 145 SOUTH ELEVATION**
1/4" = 1'-0"

4 0 4 8
Scale: 1/4 INCH = 1 FOOT

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

LICENSED ARCHITECT No.16412 ALAN N. FLORIA STATE OF MARYLAND
03.11.2022

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/VD

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

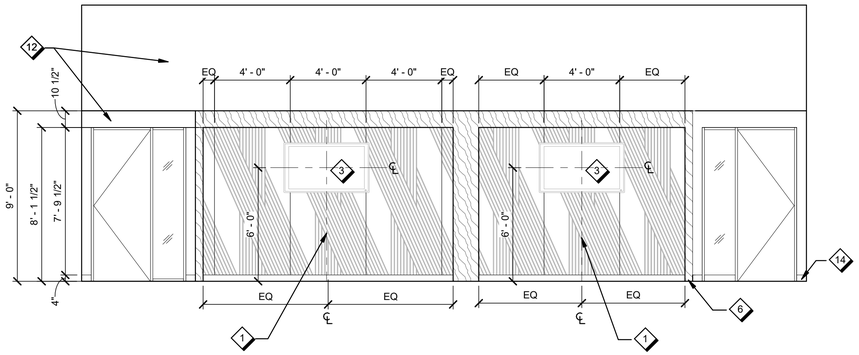
WARRENTON ADMINISTRATIVE BUILDING

INTERIOR ELEVATIONS

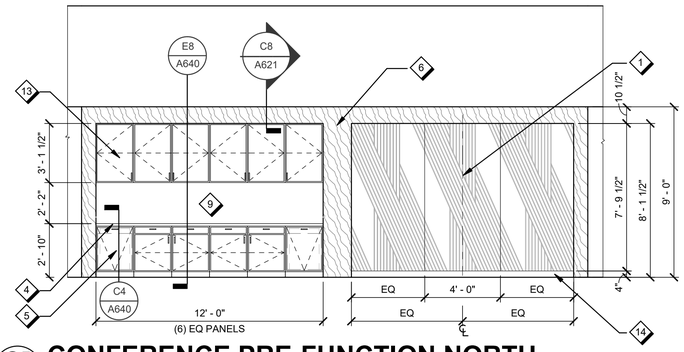
WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE
DESIGNED BY K. MILLER
DRAWN BY K. MILLER
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 | JCN: 21001763
DRAWING NO. DCCA - D - ADM - A251 | REV.

PLOT DATE/TIME: 3/9/2022 12:56:31 PM



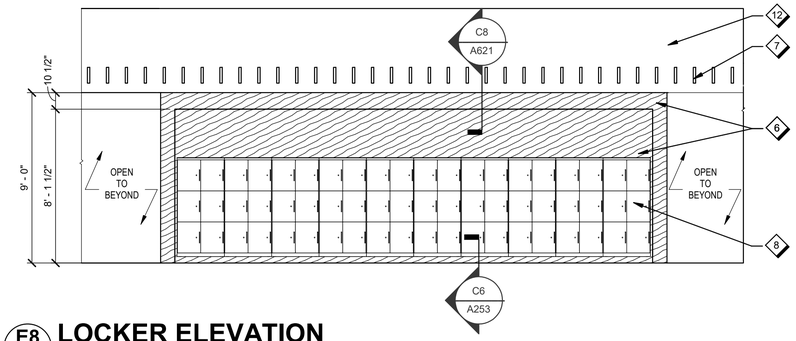
G8 A252 CONFERENCE PRE-FUNCTION SOUTH
1/4" = 1'-0"



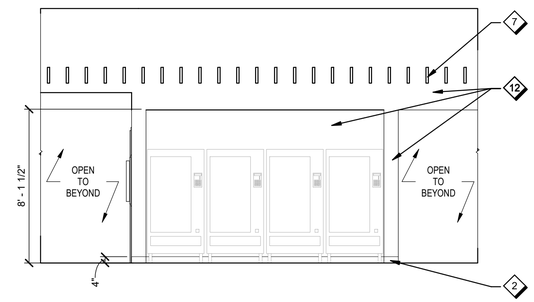
G5 A252 CONFERENCE PRE-FUNCTION NORTH
1/4" = 1'-0"

SHEET NOTES

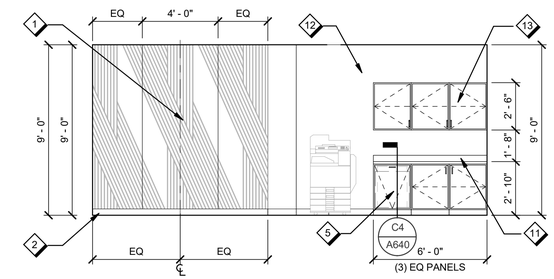
1. ACOUSTICAL WALL PANEL AWP1 AS SCHEDULED, CENTER WALL PANEL ON PARTITION AS NOTED
2. WALL BASE RB1 AS SCHEDULED
3. WALL MOUNTED MONITOR (OFOI), CENTER ON AWP1 AS NOTED. PROVIDE BLOCKING AS REQUIRED. COORDINATE WITH ELECTRICAL.
4. SOLID SURFACE COUNTER SSM1 AS SCHEDULED
5. ROLL OUT TRASH/RECYCLE DRAWER
6. WOOD WALL CLADDING WCC1 AS SCHEDULED
7. ACOUSTICAL BAFFLE CEILING ABC1/ABC2 AS SCHEDULED
8. STACKED LOCKERS, REFER TO FF&E PACKAGE FOR MORE INFORMATION
9. EXTEND SSM1 TO UNDERSIDE OF UPPER CABINETS
10. GLASS MARKER BOARD MB1 AS SCHEDULED. PROVIDE BLOCKING AS REQUIRED.
11. SOLID SURFACE SSM1 COUNTER AND BACKSPLASH AS SCHEDULED
12. PAINT WALL AS SCHEDULED
13. UPPER AND LOWER CABINETS TO BE PL1 AS SCHEDULED
14. TERRAZZO WALL BASE TZB1 AS SCHEDULED



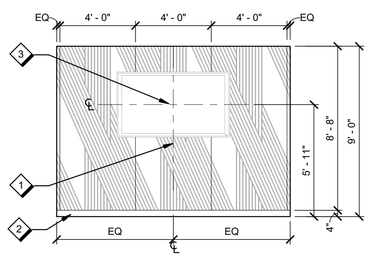
E8 A252 LOCKER ELEVATION
1/4" = 1'-0"



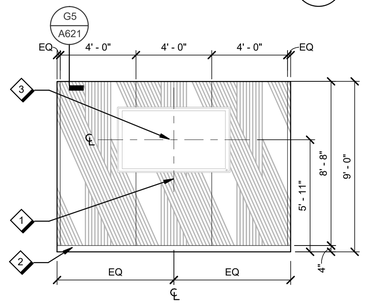
E5 A252 VENDING AREA ELEVATION
1/4" = 1'-0"



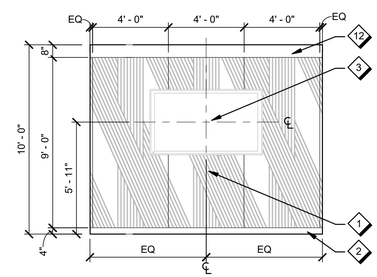
E2 A252 OPEN OFFICE 121 ELEVATION
1/4" = 1'-0"



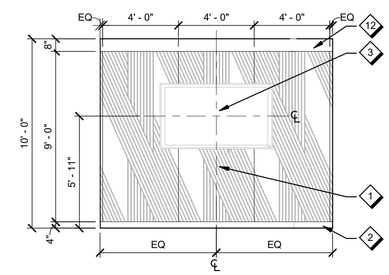
C8 A252 CONFERENCE 153 WEST ELEVATION
1/4" = 1'-0"



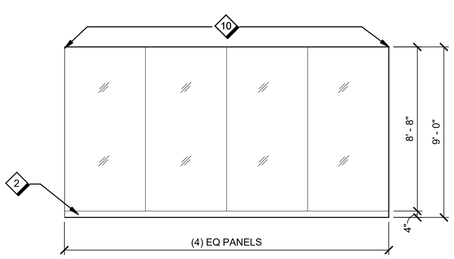
C6 A252 CONFERENCE 154 WEST ELEVATION
1/4" = 1'-0"



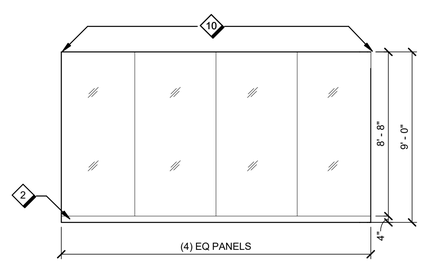
C4 A252 CONFERENCE 200 EAST ELEVATION
1/4" = 1'-0"



C2 A252 CONFERENCE 200 WEST ELEVATION
1/4" = 1'-0"



A8 A252 CONFERENCE 153 NORTH ELEVATION
1/4" = 1'-0"



A6 A252 CONFERENCE 154 NORTH ELEVATION
1/4" = 1'-0"

Scale: 1/4 INCH = 1 FOOT

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

LICENSED ARCHITECT No. 15412 ALAN N. FLORIA STATE OF MARYLAND
03.11.2022

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

INTERIOR ELEVATIONS

WARRENTON — DCCA ADM — VA

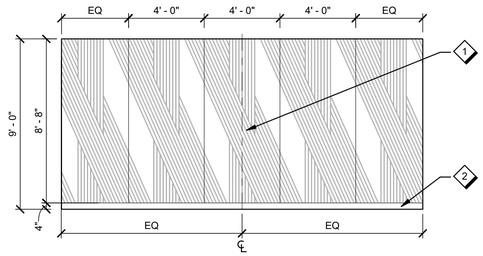
REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY K. MILLER
DRAWN BY K. MILLER
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A252 REV.

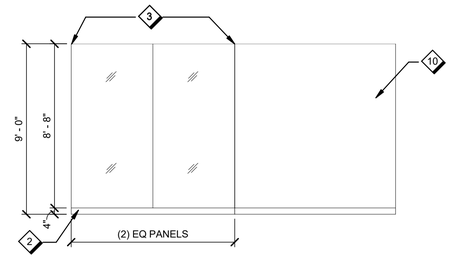
PLOT DATE/TIME: 4/13/2022 10:54:47 AM

SHEET NOTES

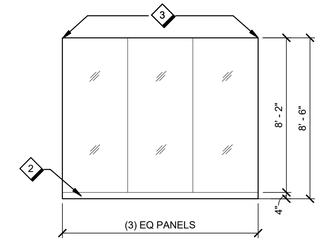
1. ACOUSTICAL WALL PANEL AWP1 AS SCHEDULED, CENTER WALL PANEL ON PARTITION AS NOTED
2. WALL BASE RB1 AS SCHEDULED
3. GLASS MARKER BOARD MB1 AS SCHEDULED. PROVIDE BLOCKING AS REQUIRED.
4. ELEVATOR HANDRAIL, SATIN STAINLESS STEEL FINISH
5. HANDRAIL PANEL, STAINLESS STEEL SATIN FINISH
6. ELEVATOR BASE FACING, STAINLESS STEEL SATIN FINISH
7. CORNER REVEAL, ALUMINUM CLEAR ANODIZED FINISH
8. CEILING TO BE STAINLESS STEEL SANDSTONE, MPC1 WITH (6) LED DOWNLIGHTS
9. TERRAZZO FLOOR AS SCHEDULED, LVT AS AN OPTION
10. PAINT WALL AS SCHEDULED



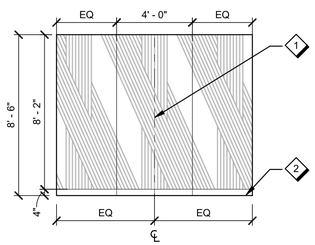
G8 / A253 CONFERENCE 203 WEST ELEVATION
1/4" = 1'-0"



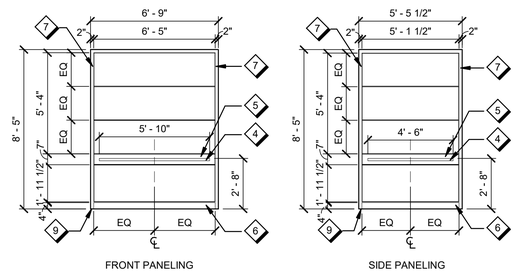
G6 / A253 CONFERENCE 203 NORTH ELEVATION
1/4" = 1'-0"



G4 / A253 HUDDLE 220 NORTH ELEVATION
1/4" = 1'-0"



E8 / A253 TYPICAL BREAK OUT ELEVATION
1/4" = 1'-0"



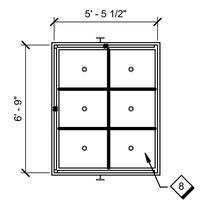
FRONT PANELING

SIDE PANELING

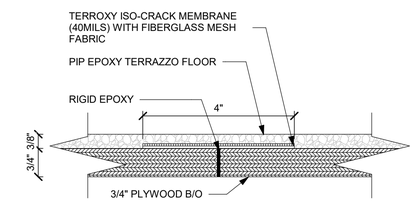
ELEVATOR PANELING BASIS OF DESIGN: FORMS + SURFACES LEVEL E-104 #1.

PANELS ABOVE HANDRAIL TO BE WP1 / PANEL BELOW HANDRAIL TO BE WP2. REFER TO A530 FOR INTERIOR MATERIAL FINISH LEGEND.

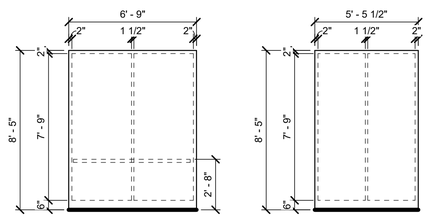
E6 / A253 ELEVATOR ELEVATION
1/4" = 1'-0"



E4 / A253 ELEVATOR CEILING NEW
1/4" = 1'-0"

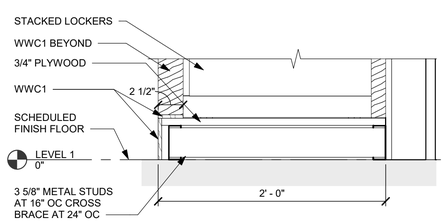


E2 / A253 ELEVATOR TERRAZZO FLOOR
6" = 1'-0"



REMOVE:
PLASTIC LAMINATE PANELS
HANDRAIL
FLOOR FINISH
CEILING
LIGHTING

C8 / A253 ELEVATOR ELEVATION DEMO
1/4" = 1'-0"



C6 / A253 LOCKER BASE DETAIL
1 1/2" = 1'-0"

Scale: 1 1/2 INCH = 1 FOOT

Scale: 1/4 INCH = 1 FOOT

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/VD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

INTERIOR ELEVATIONS AND ELEVATOR ELEVATIONS

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY K. MILLER
DRAWN BY K. MILLER
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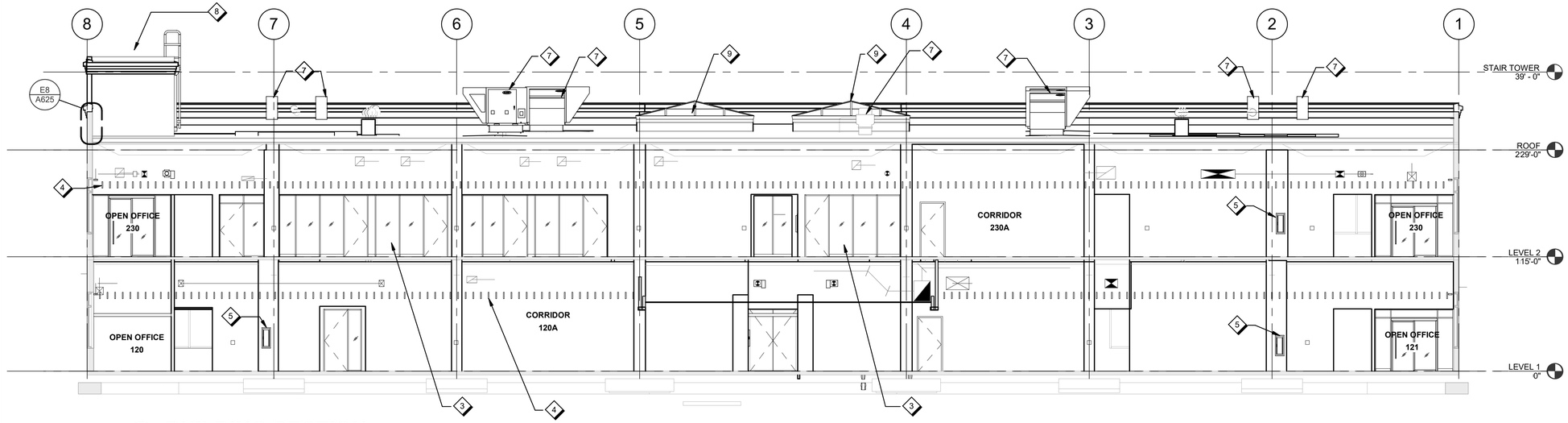
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A253 REV.

PLOT DATE/TIME: 3/9/2022 12:56:54 PM

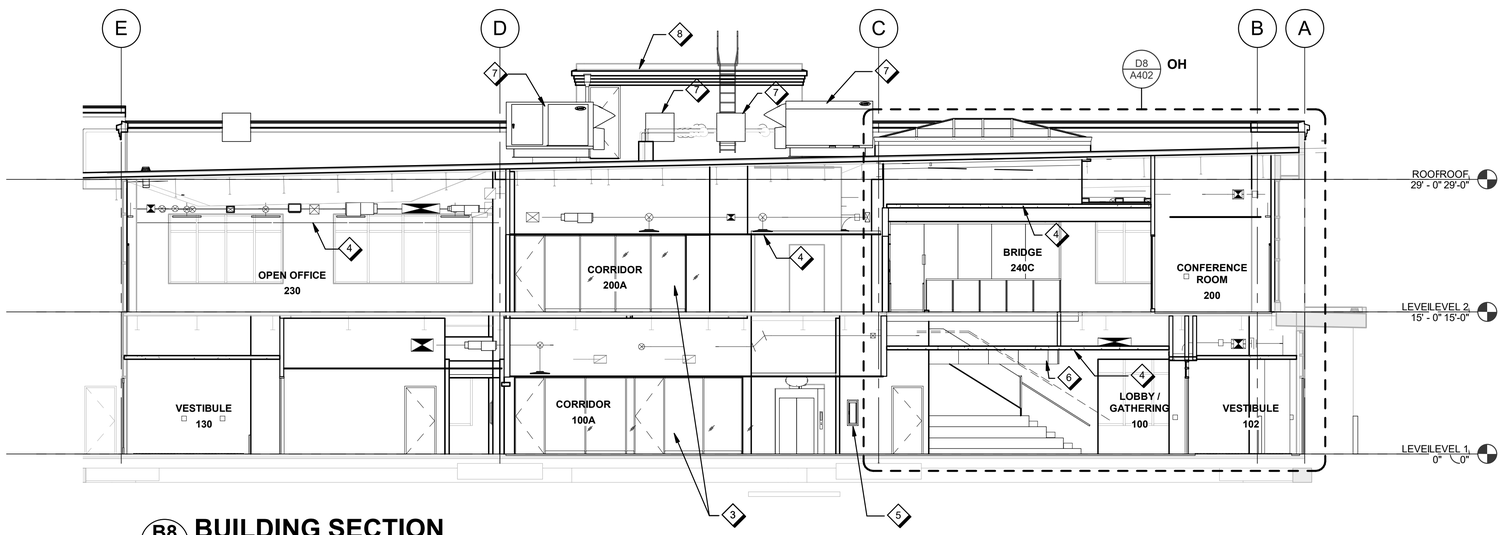


F8 A301 BUILDING SECTION

1/8" = 1'-0"

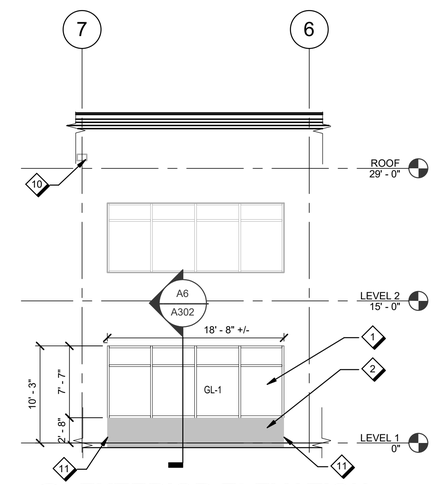
SHEET NOTES

1	STOREFRONT SYSTEM AND GLAZING TO MATCH EXISTING
2	CMU WALL WITH STUCCO SYSTEM TO MATCH EXISTING CONCRETE FINISH
3	ALUMINUM FRAMED GLAZED PARTITION AT OFFICES AND CONFERENCE ROOMS
4	CEILING SYSTEM AS SCHEDULED
5	RECESSED EXTINGUISHER CABINET REFER TO DETAIL G8/A615
6	GLASS PANEL DRAFT STOP SYSTEM
7	MECHANICAL EQUIPMENT - REFER TO MECHANICAL
8	DECORATIVE EIFS FOAM AND METAL COPING
9	SKYLIGHT SYSTEM
10	EXISTING SCUPPER
11	PATCH ALL AREAS CREATED BY ELECTRICAL DEMOLITION



B8 A301 BUILDING SECTION

1/8" = 1'-0"



C3 A301 EXTERIOR ELEVATION

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

BUILDING SECTIONS

WARRENTON — DCCA ADM — VA

LICENSED ARCHITECT No. 16412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

Jacobs

DCCA ADM
WARRENTON, VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
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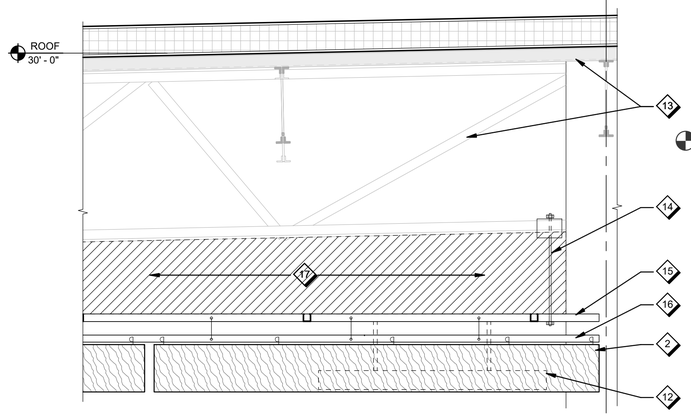
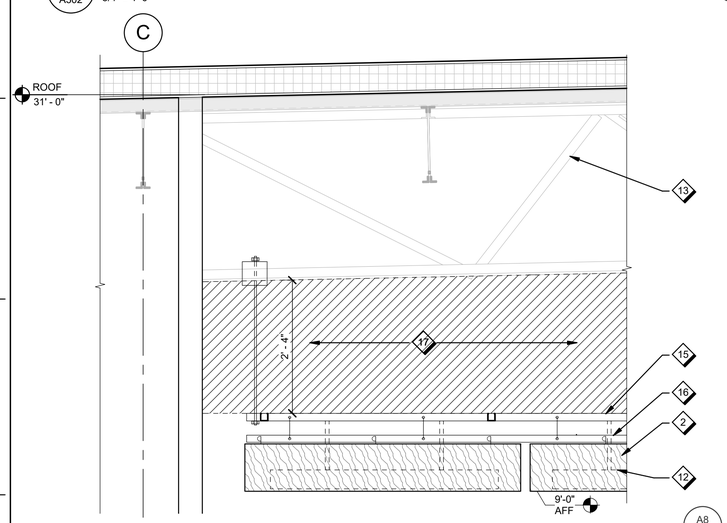


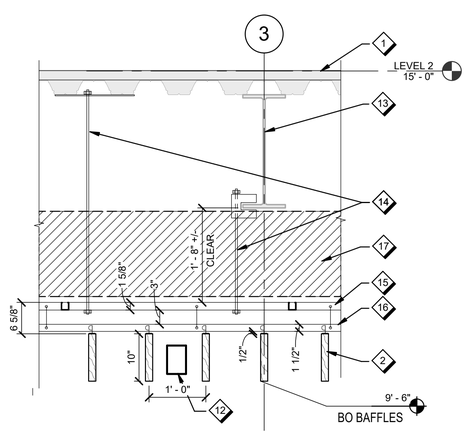
F8 / A302 SECTION AT CEILING - SOUTH SIDE

3/4" = 1'-0"



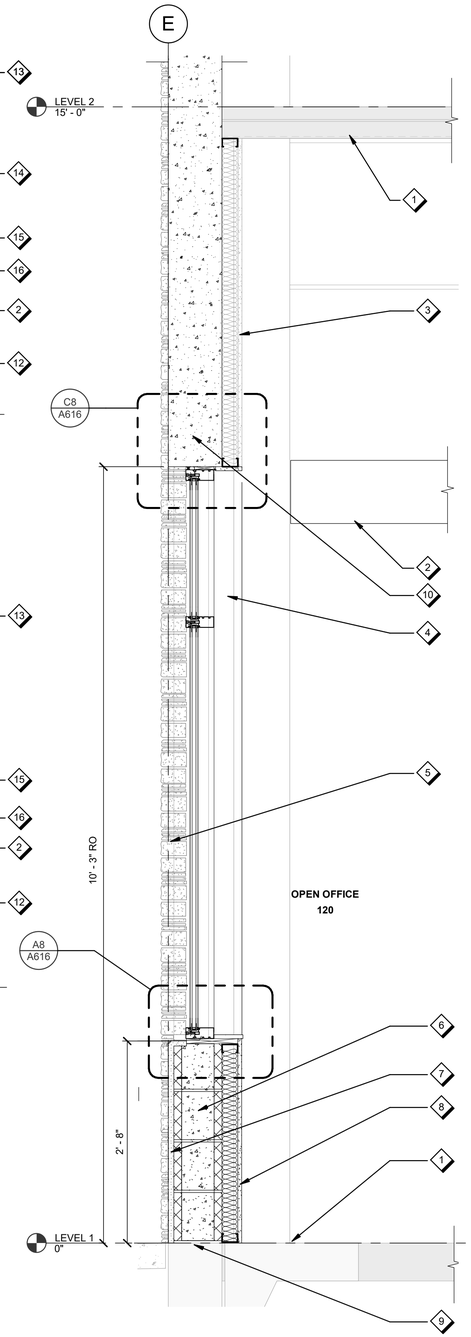
C8 / A302 SECTION AT CEILING - NORTH SIDE

3/4" = 1'-0"



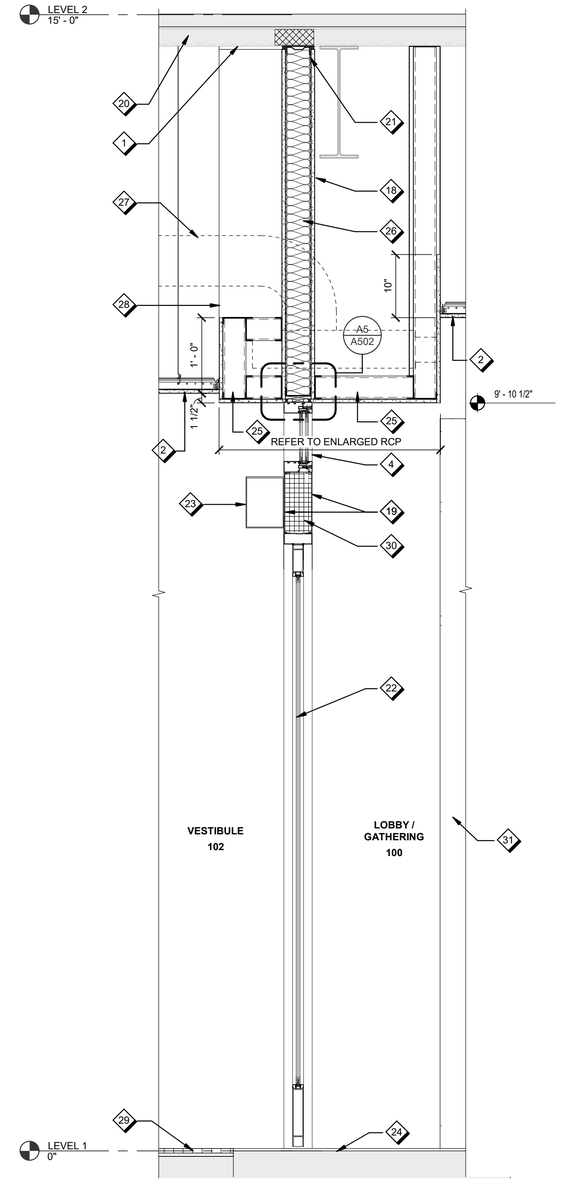
A8 / A302 SECTION AT CEILING

3/4" = 1'-0"



A6 / A302 WALL SECTION AT WINDOW OPENING

1" = 1'-0"



A4 / A302 WALL SECTION AT VESTIBULE/ LOBBY DOOR

1" = 1'-0"

Scale: 1 INCH = 1 FOOT

SCALE: 3/4"=1'-0"

SHEET NOTES

1. EXISTING FLOOR SLAB
2. CEILING SYSTEM AS SCHEDULED
3. EXISTING FURRED PARTITION WITH BATT INSULATION
4. STOREFRONT SYSTEM
5. EXISTING STONE VENEER BEYOND
6. 8" REINFORCED CMU WALL - REFER TO STRUCTURAL
7. 1" STUCCO SYSTEM APPLIED TO CMU
8. 5/8" GWB OVER 2 1/2" METAL STUD WITH THERMAL BATT INSULATION
9. EXISTING TILT UP WALL PANEL CUT TO PLACE NEW CMU WALL
10. EXISTING TILT UP CONCRETE EXTERIOR WALL
11. MECHANICAL EQUIPMENT - REFER TO MECHANICAL
12. LIGHTING FIXTURE, REFER TO ELECTRICAL
13. EXISTING STRUCTURE, REFER TO STRUCTURAL
14. UNISTRUT SUPPORT PER DELEGATED DESIGN
15. UNISTRUT SYSTEM PER DELEGATED DESIGN
16. CEILING SUSPENSION GRID
17. MEP AND TELECOM DISTRIBUTION ZONE
18. 4" METAL STUD PARTITION WITH 5/8" GWB EACH SIDE - PROVIDE CFMF PER DELEGATED DESIGN TO PROVIDE STOREFRONT SUPPORT
19. BREAK METAL FLUSH MOUNTED INFILL PANEL - FINISH TO MATCH STOREFRONT FRAMING
20. REFER TO DETAIL G4/A630 FOR METAL PLATE AT FLUTES AND PROVIDE MINERAL FIBER INSULATION TO FILL VOID OF DECK FLUTES
21. DEFLECTION TRACK SYSTEM
22. STOREFRONT DOOR REFER TO DOOR SCHEDULE
23. DOOR OPERATOR
24. SCHEDULED FLOOR SYSTEM OVER EXISTING CONCRETE SLAB
25. SOFFIT - 5/8" GWB OVER 3 5/8" METAL STUD
26. THERMAL BATT INSULATION
27. MECHANICAL EQUIPMENT (DUCTWORK) BEYOND
28. FACE OF PARTITION ENCLOSING DUCTWORK BEYOND - REFER TO DETAIL E2/A622 FOR SECTION AT DIFFUSER/DUCTWORK
29. RECESSED METAL GRATE
30. SEMI-RIGID INSULATION
31. OPENING BEYOND

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

WALL SECTIONS

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A302 REV.

DCCA ADM
WARRENTON, VA

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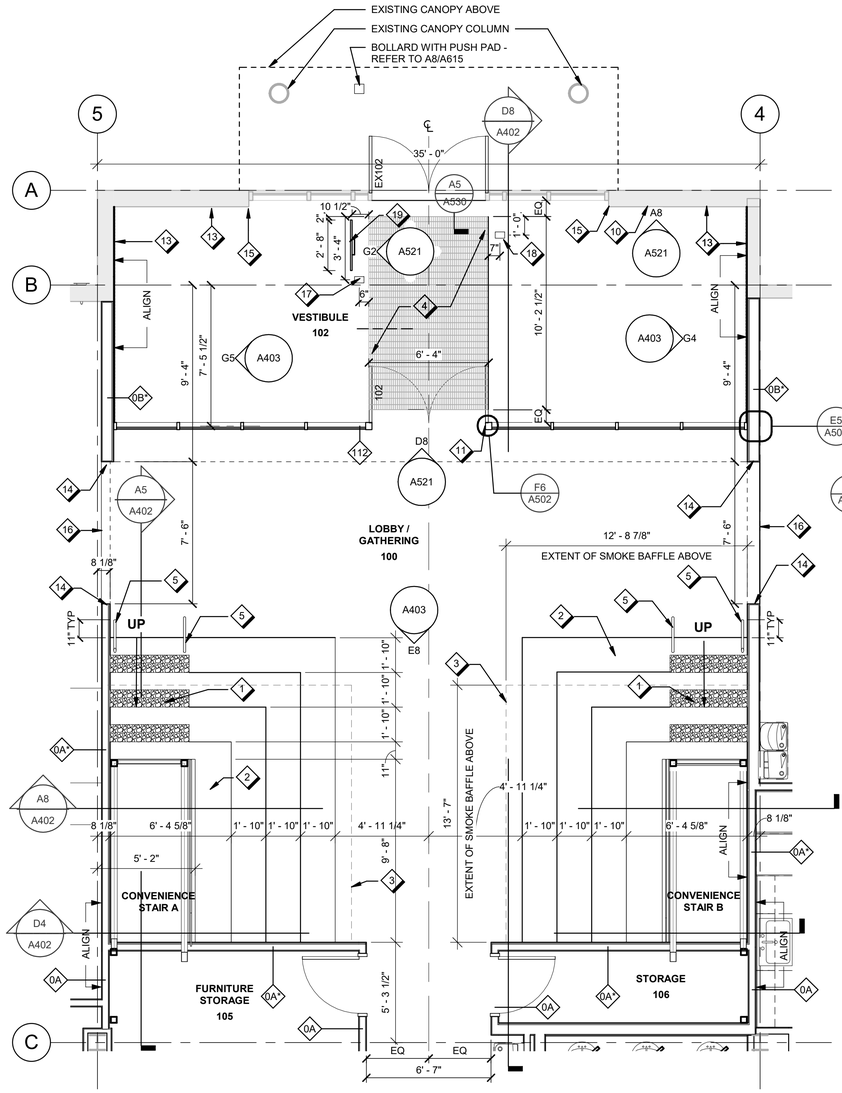
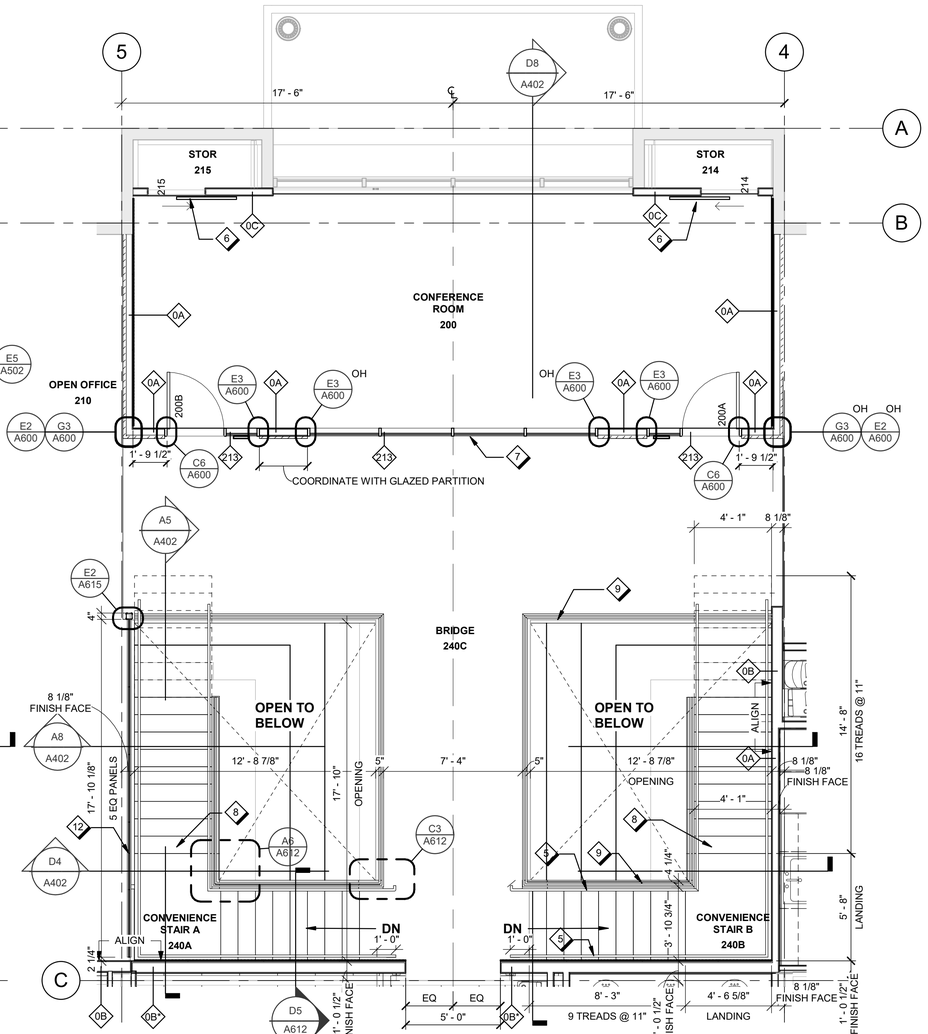


C8 / A400 ENLARGED FIRST FLOOR - LOBBY

1/4" = 1'-0"



C5 / A400 ENLARGED SECOND FLOOR - LOBBY

1/4" = 1'-0"

SHEET NOTES

1	TZS1 TERRAZZO STEP BETWEEN WOOD CLAD STEP
2	WTR1 WOOD CLAD STEPPED SEATING
3	EDGE OF OPENING ABOVE
4	RECESSED SS ENTRANCE GRATE
5	STAINLESS STEEL HANDRAIL
6	SLIDING DOOR WITH SURFACE MOUNTED TRACK
7	ALUMINUM FRAMED GLAZED INTERIOR PARTITION TO 10' HEIGHT
8	TZS1 TERRAZZO TREAD & RISER ON METAL STAIR
9	STAINLESS STEEL AND GLASS PANEL GUARDRAIL SYSTEM
10	PATCH AND REPAIR GWB WHERE DEVICES ARE REMOVED
11	MULLION MOUNTED DOOR OPERATOR PUSH PAD - MOUNT 36" AFF TO CENTERLINE. CONCEAL ALL WIRING TO PUSH PLATE.
12	GLASS PANEL SYSTEM TO MATCH GLASS PANELS IN GUARDRAIL SYSTEM
13	PROVIDE ONE LAYER OF 5/8" GWB OVER EXISTING GWB FINISH AT EXTERIOR WALLS. ALIGN NEW GWB PARTITIONS WITH THE FACE OF ADDITIONAL GWB LAYER. PROVIDE A RECESSED TERRAZZO BASE AT BASE OF WALL - REFER TO DETAIL G4/A615.
14	PROVIDE TWO LAYERS OF GWB AT THE FACE OF OPENING AND PROVIDE RECESSED TERRAZZO BASE TO FACE OF PARTITION AT OPEN OFFICE SIDE AND ALIGN BASE WITH TERRAZZO FLOORING.
15	PROVIDE ADDITIONAL LAYER OF GWB BACK TO EXISTING STOREFRONT MULLION AND PROVIDE A RECESSED BASE RETURN BACK TO STOREFRONT.
16	TERMINATION OF TERRAZZO FLOORING
17	4" X 6" X 45" TO 48" ALUM BOLLARD FOR MOUNTING CARD READER AND ABA DOOR OPERATOR PUSH BUTTON. REFER TO A8/A615. CONCEAL ALL CONDUIT/WIRING TO DEVICES ABOVE THE DOOR WITHIN THE MULLIONS OF THE STOREFRONT.
18	ALUM BOLLARD TO MATCH OTHER BOLLARD FOR ABA DOOR OPERATOR BUTTON ONLY - REFER TO A8/A615. CONCEAL ALL WIRING TO DOOR AND AT DOOR.
19	ALL GLASS PARTITION SYSTEM

Scale: 1/4 INCH = 1 FOOT

KEY NORTH

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ENLARGED FLOOR PLANS - LOBBY AND CONVENIENCE STAIR

WARRENTON — DCCA ADM — VA

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DRAWN BY M. PEREZ
CHECKED BY W. STEVENS

ISSUED BY: ENGINEERING SERVICES TERMINAL

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WARRENTON, VA

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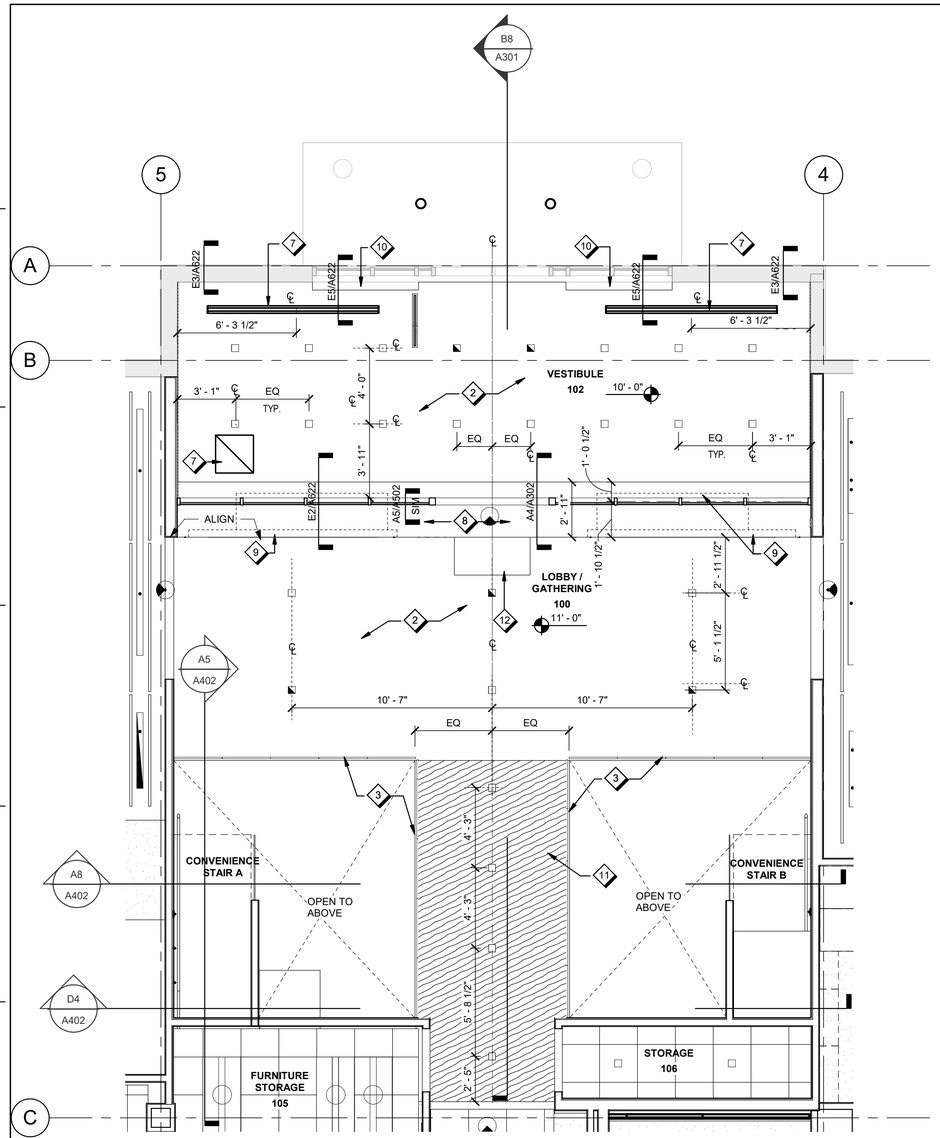
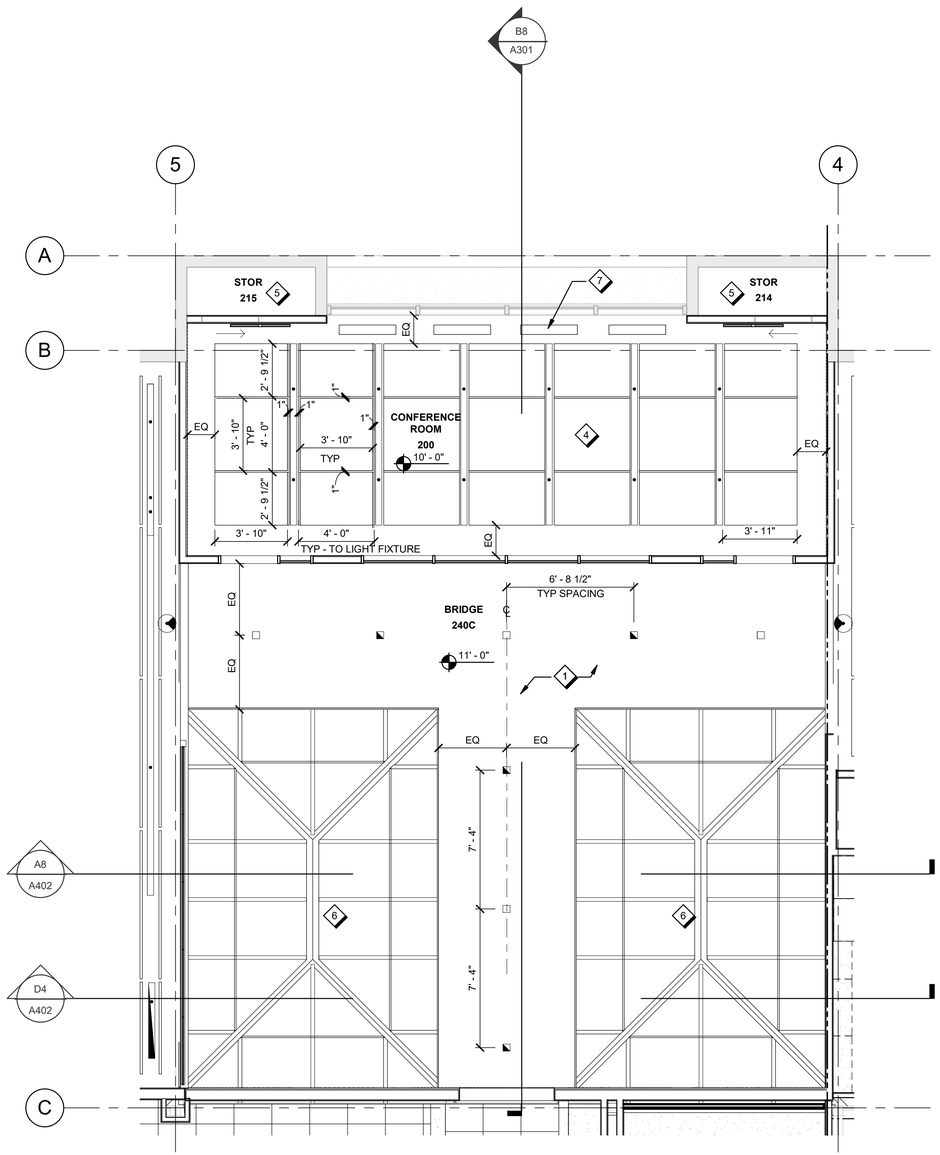


C8 / A401 ENLARGED FIRST FLOOR LOBBY - RCP

1/4" = 1'-0"



C5 / A401 ENLARGED SECOND FLOOR BRIDGE - RCP

1/4" = 1'-0"

GENERAL SHEET NOTES

A. MOUNT CEILING FIXTURES (FIRE SPRINKLER HEADS, SMOKE AND HEAT DETECTORS, CEILINGS REGISTERS, ETC.) IN CENTER OF ACOUSTICAL CEILING PANEL.

B. REFER TO G004 FOR ARCHITECTURAL CEILING MATERIAL LEGEND AND REFER TO MECH, FIRE PROTECTION, AND ELEC FOR CEILING FIXTURE LEGENDS. REFER TO THE INTERIORS FINISH SCHEDULE AND MATERIALS LEGEND FOR CEILING SYSTEM TYPES.

C. PROVIDE SIGNAGE OR STENCIL ON BOTH SIDES OF PARTITIONS/WALLS ABOVE SUSPENDED CEILING SYSTEM AT FIRE BARRIERS WITH THE FOLLOWING WORDING: "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS."
   a. WORDING MUST INDICATE HOURLY FIRE RESISTANCE RATING.
   b. TEXT MUST BE 3" IN HEIGHT AND SIGNAGE MUST BE MAXIMUM 15'-0" FROM END OF WALL AND REPEATED AT 30'-0" OC MAX.
   c. REFER TO GUIDE PLANS FOR LOCATIONS OF FIRE RESISTANCE RATED PARTITIONS AND WALLS.

D. SMOKE AND FIRESTOP PENETRATIONS AND ABANDONED PENETRATIONS THROUGH FIRE RESISTANCE RATED PARTITIONS, WALLS, AND FLOOR.

E. REFER TO A302 FOR SLOTTED CHANNEL STRUCTURE PER DELEGATED DESIGN FROM WHICH CEILING AND LIGHTING MUST BE HUNG.

F. CEILING CLOUDS SHOWN CENTERED IN ROOMS WITH OPEN EXPOSED STRUCTURE CEILING AT THE PERIMETER ARE TO BE PLACED WITH EQUAL DISTANCES TO WALL FROM ALL SIDES OF THE CLOUD.

G. TYPICAL ENCLOSED CEILING 8'-6" UNO.

H. ABOVE BAFFLE CEILING PROVIDE A DIRECT APPLIED TO DECK ACP CEILING SYSTEM. TO COVER 75% OF STRUCTURAL DECK ABOVE THE CEILING. PLACEMENT MUST AVOID MAJOR STRUCTURAL AND MEP ITEM SUPPORTS TIED BACK TO THE DECK.

SHEET NOTES

1	SUSPENDED GWB CEILING SYSTEM OR GWB SOFFIT
2	SUSPENDED ACOUSTICAL PANEL CEILING (SEAMLESS) APC4
3	GLASS PANEL DRAFT CURTAIN SYSTEM AT OPENING TO SECOND FLOOR
4	SUSPENDED 4' X 4' CLOUD CEILING - APC3 - WITH OPEN TO STRUCTURE CEILING PERIMETER
5	EXPOSED TO STRUCTURE CEILING
6	SKYLIGHT BEYOND
7	MECHANICAL DIFFUSER, REFER TO MECHANICAL
8	GYPSUM WALL BOARD SOFFIT
9	LINEAR DIFFUSER IN SOFFIT
10	SHADE POCKET
11	ACOUSTICAL WOOD PLANK CLADDING, WWP1
12	PROVIDE 2' X 4' REMOVABLE PANEL (FOR DOOR ACCESS CONTROLS AND ELECTRICAL)

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4 0 4 8
Scale: 1/4 INCH = 1 FOOT

LICENSED ARCHITECT No.15412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

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DEPARTMENT OF TRANSPORTATION
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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ENLARGED CEILING PLANS - LOBBY

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
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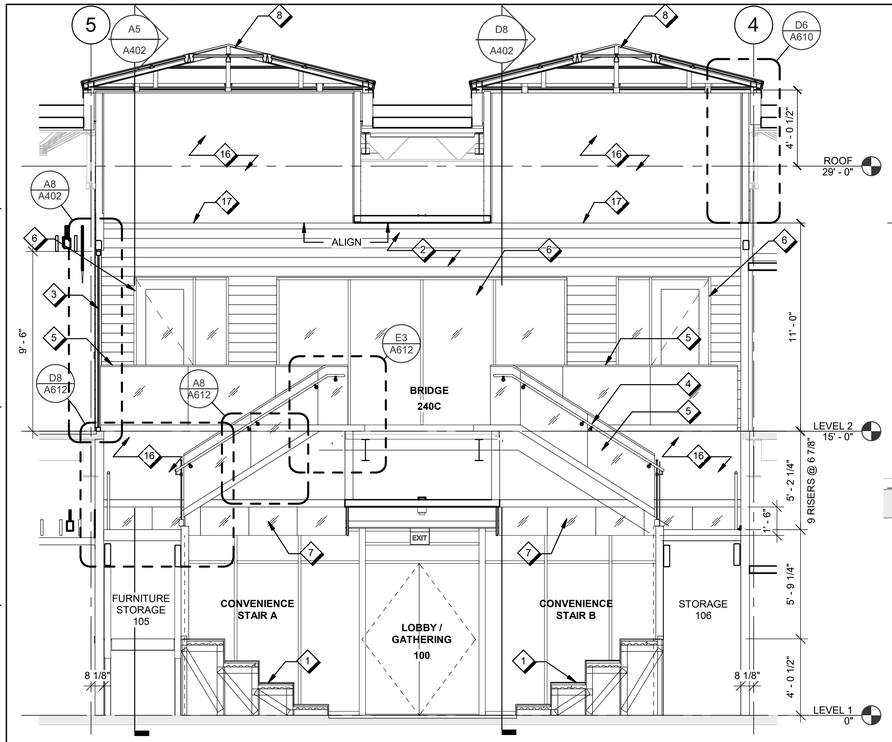
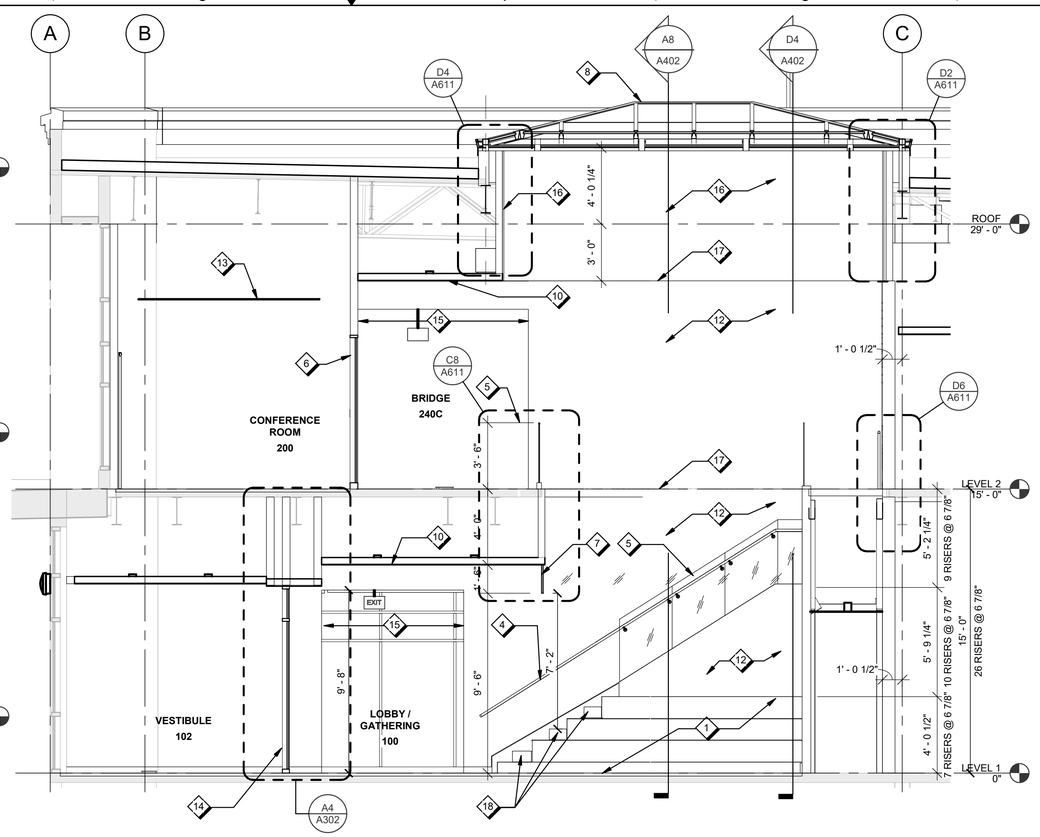
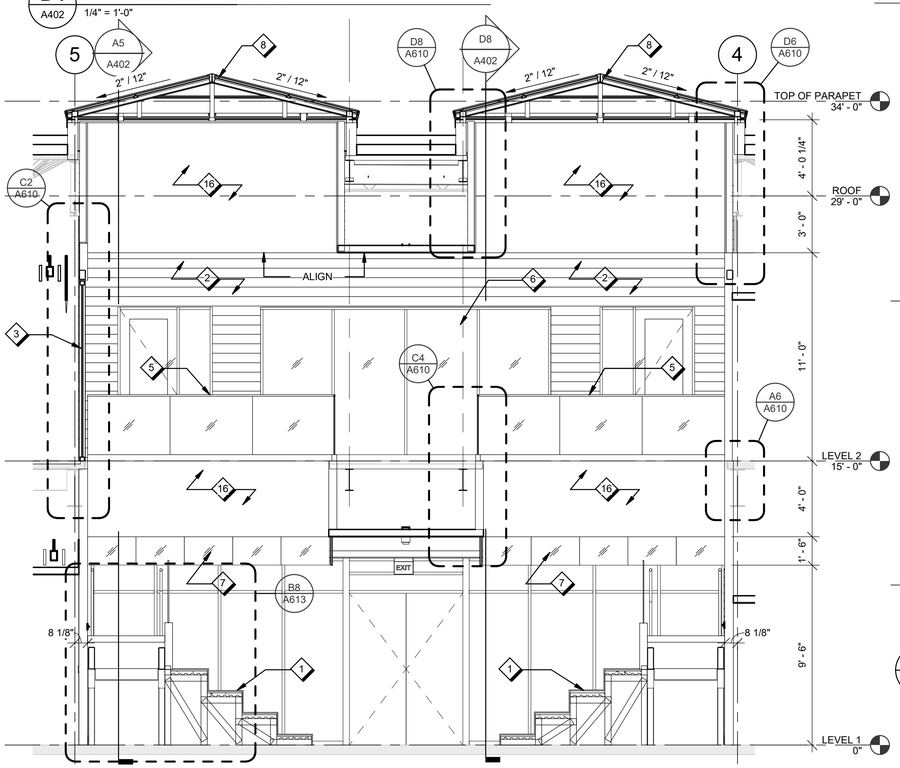


D4 / A402 SECTION - LOBBY

1/4" = 1'-0"



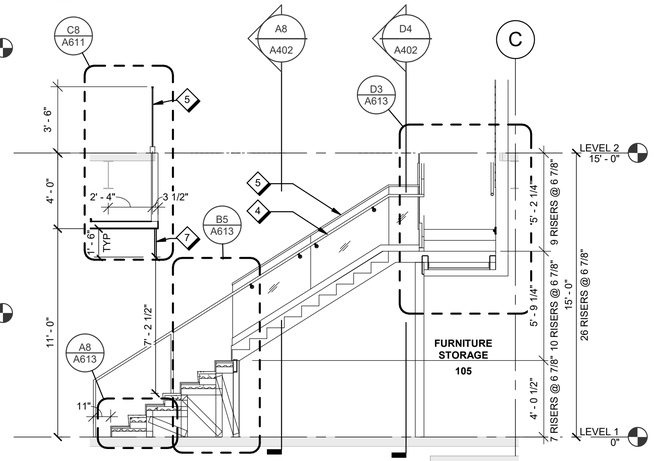


A8 / A402 SECTION - LOBBY

1/4" = 1'-0"

D8 / A402 SECTION - LOBBY

1/4" = 1'-0"



A5 / A402 SECTION LOBBY

1/4" = 1'-0"

4 0 4 8

Scale: 1/4 INCH = 1 FOOT

SHEET NOTES

1. WTR1 WOOD CLAD STEPPED SEATING
2. ACOUSTICAL WOOD PANEL OVER GWB AT COMMUNICATING STAIR
3. GLASS PANEL SYSTEM TO MATCH GLASS PANELS IN THE GUARDRAIL SYSTEM
4. STAINLESS STEEL HANDRAIL
5. STAINLESS STEEL AND GLASS PANEL GUARDRAIL SYSTEM
6. ALUMINUM FRAMED GLAZED PARTITION SYSTEM
7. GLASS PANEL DRAFT STOP SYSTEM
8. SKYLIGHT SYSTEM
9. GWB SOFFIT
10. APC4 SUSPENDED ACOUSTICAL MINERAL FIBER CEILING SYSTEM
11. SLIDING DOORS BEYOND
12. PAINT WALL PT-1, AS SCHEDULED
13. SUSPENDED 4 x 4 APC CEILING WITH OPEN TO STRUCTURE CEILING PERIMETER
14. INTERIOR STOREFRONT SYSTEM AT THE ENTRY VESTIBULE
15. OPENING TO OPEN OFFICE AREA BEYOND
16. APC4 MINERAL FIBER ACOUSTICAL PANEL, PAINT PT-1
17. CONTROL JOINT
18. TZS1 TERRAZZO STEP BETWEEN WOOD CLAD STEP

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LICENSED ARCHITECT No. 16412 ALAN N. FLORA STATE OF MARYLAND
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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ENLARGED SECTIONS - LOBBY AND COMMUNICATING STAIR

WARRENTON — DCCA ADM — VA

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DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
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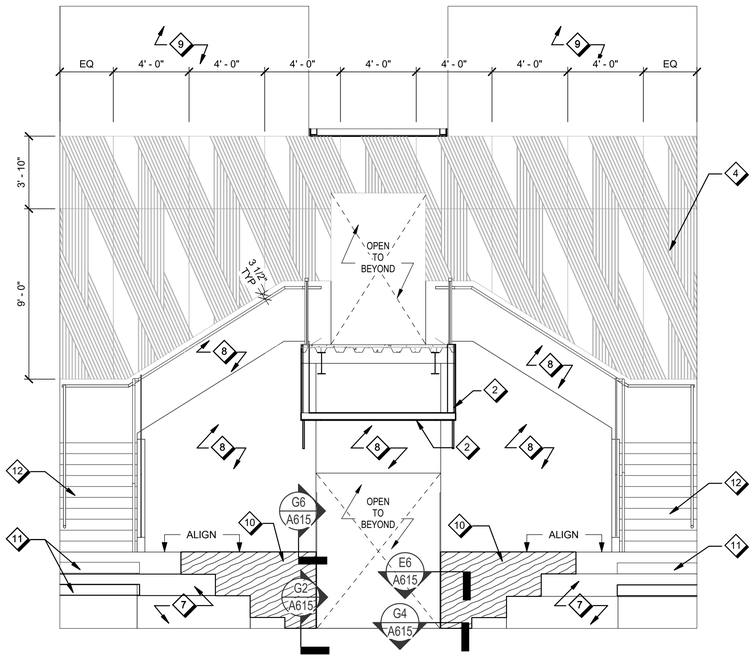
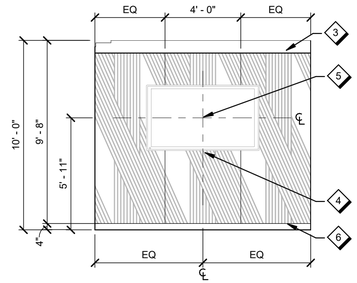


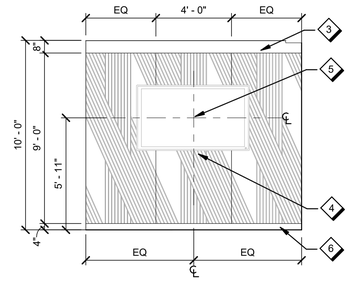
E8 A403 LOBBY SOUTH ELEVATION

1/4" = 1'-0"



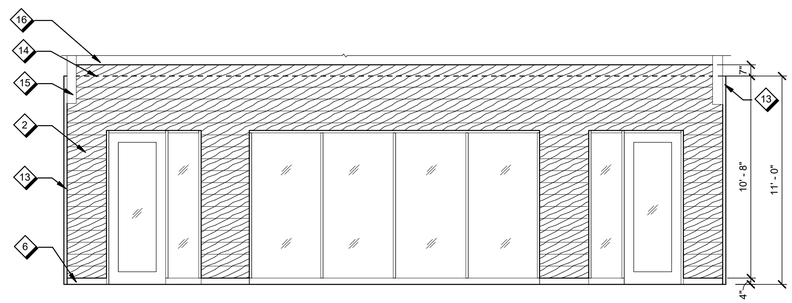
G5 A403 VESTIBULE WEST ELEVATION

1/4" = 1'-0"



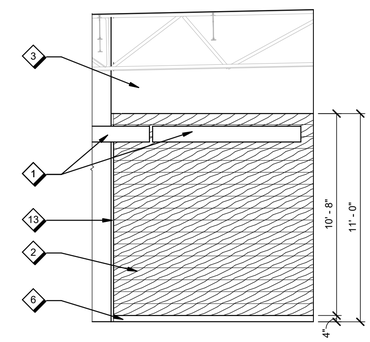
G4 A403 VESTIBULE EAST ELEVATION

1/4" = 1'-0"



E5 A403 CONFERENCE 200 ELEVATION

1/4" = 1'-0"



D2 A403 CONFERENCE 200 ELEVATION

1/4" = 1'-0"

SHEET NOTES

1	ACOUSTICAL BAFFLE CEILING ABC1/ABC2 AS SCHEDULED
2	WOOD WALL PLANKS WWP1 AS SCHEDULED
3	PAINT WALL AS SCHEDULED
4	ACOUSTICAL WALL PANEL AWP2 AS SCHEDULED, CENTER WALL PANEL ON PARTITION AS NOTED
5	WALL MOUNTED MONITOR (OFOI), CENTER ON AWP2 AS NOTED. PROVIDE BLOCKING AS REQUIRED, COORDINATE WITH ELECTRICAL.
6	TERRAZZO WALL BASE TZB1 AS SCHEDULED
7	WTR1 WOOD CLAD STEPPED SEATING
8	PAINT WALL PT1 AS SCHEDULED
9	APC4 MINERAL FIBER ACOUSTICAL PANEL, PAINTED PT1
10	WOOD WALL CLADDING WWC1 AS SCHEDULED
11	TZS1 TERRAZZO STEP BETWEEN WOOD CLAD STEP
12	TZS1 TERRAZZO TREAD & RISER ON METAL STAIR
13	ANODIZED ALUMINUM ANGLE CORNER TRIM
14	CEILING PLANE
15	INTERSECTING PARTITION AT OPENING
16	GWB PARTITION TO DECK BEYOND

Scale: 1/4 INCH = 1 FOOT

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DEPARTMENT OF TRANSPORTATION
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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ENLARGED ELEVATIONS - LOBBY AND CONVENIENCE STAIR

WARRENTON — DCCA ADM — VA

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SUBMITTER'S TITLE | APPROVER'S TITLE

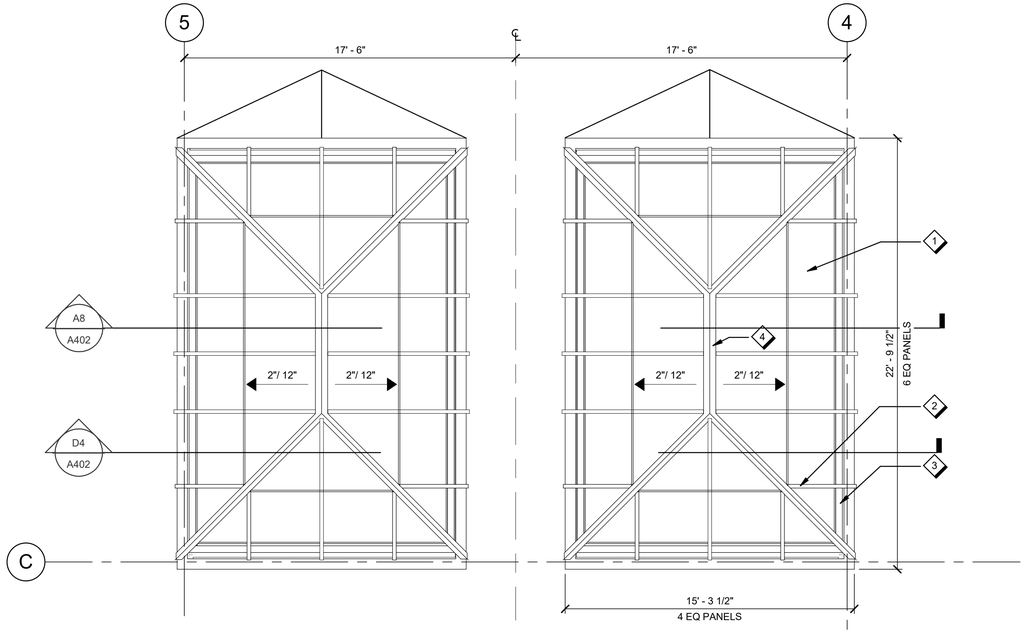
DCCA ADM
WARRENTON, VA

DESIGNED BY K. MILLER
DRAWN BY K. MILLER
CHECKED BY K. CHARBONEAU

ISSUED BY ENGINEERING SERVICES TERMINAL

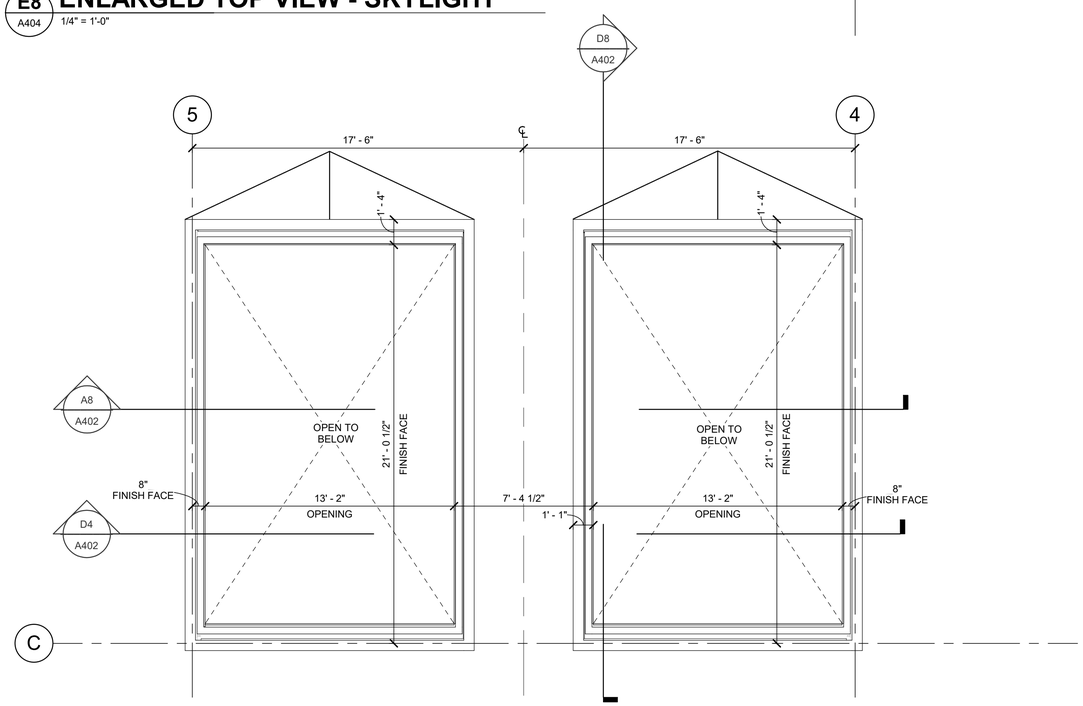
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A403
REV.

PLOT DATE/TIME: 4/8/2022 12:19:47 PM



E8 / A404 ENLARGED TOP VIEW - SKYLIGHT

1/4" = 1'-0"



A8 / A404 ENLARGED FLOOR PLAN - SKYLIGHT

1/4" = 1'-0"

Scale: 1/4 INCH = 1 FOOT

KEY NORTH

SHEET NOTES

1 EXTENDED PYRAMID TYPE ALUMINUM FRAMED SKYLIGHT TYP

2 ALUMINUM FRAMED SKYLIGHT MULLION TYP

3 ALUMINUM FRAMED INSULATED SKYLIGHT SILL MULLION

4 ALUMINUM FRAMED SKYLIGHT RIDGE MULLION

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

LICENSED ARCHITECT No.18412 ALAN N. FLORA STATE OF MARYLAND

03.11.2022

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ENLARGED FLOOR PLANS - LOBBY AND SKYLIGHTS

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY

SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

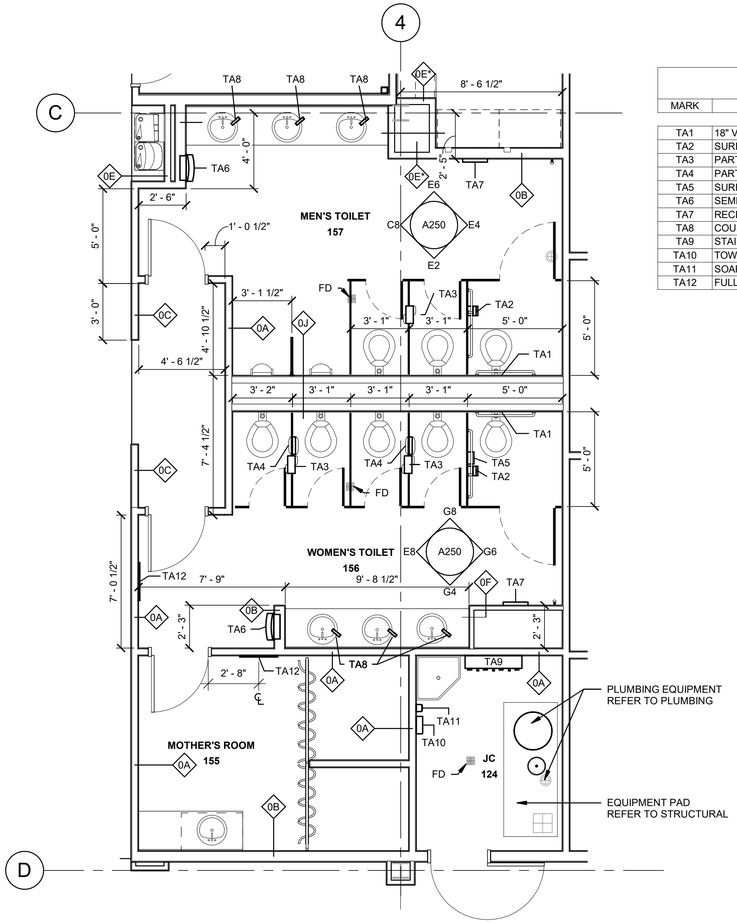
DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763

DRAWING NO. DCCA - D - ADM - A404 REV.

PLOT DATE/TIME: 3/9/2022 12:57:58 PM

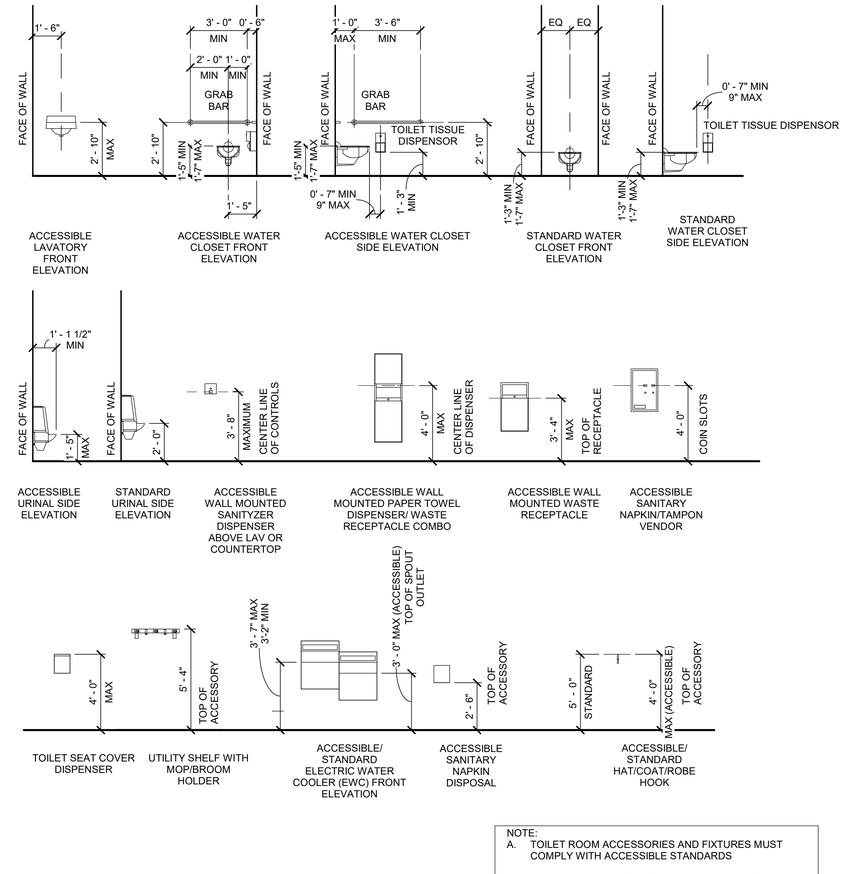


D8 / A430 ENLARGED FLOOR PLAN - TOILETS

1/4" = 1'-0"

TOILET ACCESSORIES

MARK	DESCRIPTION
TA1	18" VERTICAL GRAB BAR + 36" GRAB BAR + 42" GRAB BAR
TA2	SURFACE MOUNTED TOILET TISSUE DISPENSER
TA3	PARTITION MOUNTED SHARED COMBINATION TOILET TISSUE DISPENSER
TA4	PARTITION MOUNTED SHARED SANITARY NAPKIN DISPOSAL
TA5	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL
TA6	SEMI-RECESSED MOUNTED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
TA7	RECESSED MOUNTED TOILET SEAT COVER DISPENSER
TA8	COUNTER MOUNTED SOAP DISPENSER
TA9	STAINLESS STEEL UTILITY SHELF, 3 HOOKS/4 HOLDERS, 36"W
TA10	TOWEL DISPENSER
TA11	SOAP DISPENSER
TA12	FULL LENGTH MIRROR, 24" X 60"



TYPICAL FIXTURE AND ACCESSORY MOUNTING HEIGHT LEGEND

GENERAL SHEET NOTES:

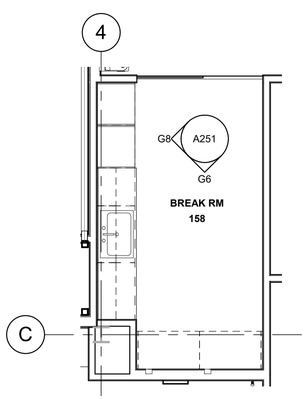
A. PARTITIONS ARE TYPE 0A UNLESS OTHERWISE NOTED

B. REFER TO A630 FOR PARTITION TYPE

C. REFER TO A501 FOR DOOR SCHEDULE

NOTE:
A. TOILET ROOM ACCESSORIES AND FIXTURES MUST COMPLY WITH ACCESSIBLE STANDARDS

B. INSULATE ALL EXPOSED PIPES UNDER LAVATORIES IN ACCORDANCE WITH ANSI, ADA, AND ABA STANDARDS.



A8 / A430 ENLARGED PLAN - BREAK ROOM

1/4" = 1'-0"

Scale: 1/4 INCH = 1 FOOT

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JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ENLARGED FLOOR PLANS - RESTROOMS AND BREAK ROOMS

WARRENTON — DCCA ADM — VA

LICENSED ARCHITECT No.16412 ALAN W. FLORA STATE OF MARYLAND
03.11.2022

Jacobs

DCCA ADM
WARRENTON, VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS

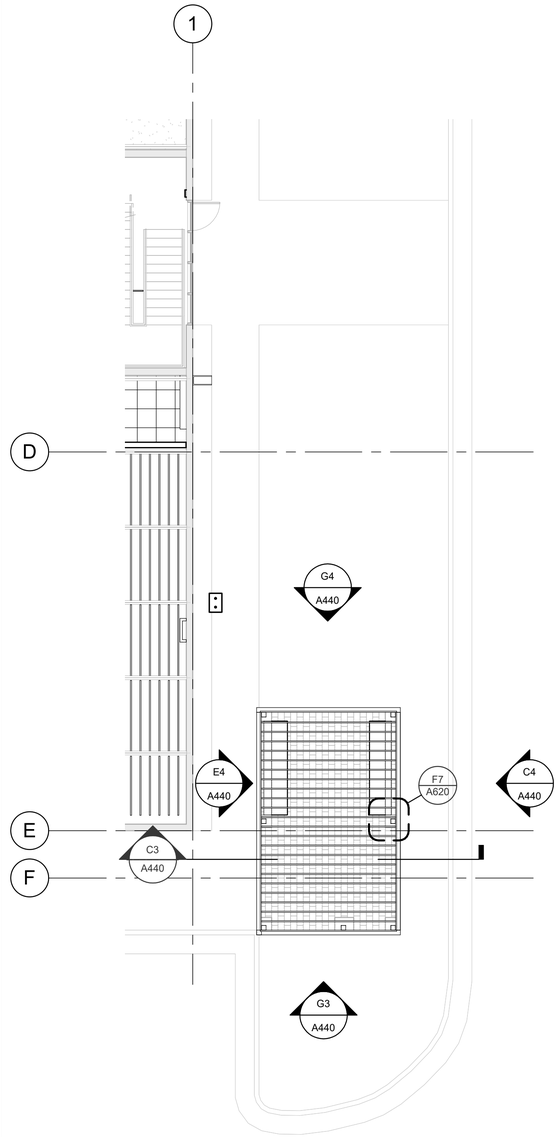
ISSUED BY: ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 | JCN: 21001763
DRAWING NO. DCCA - D - ADM - A430 | REV.

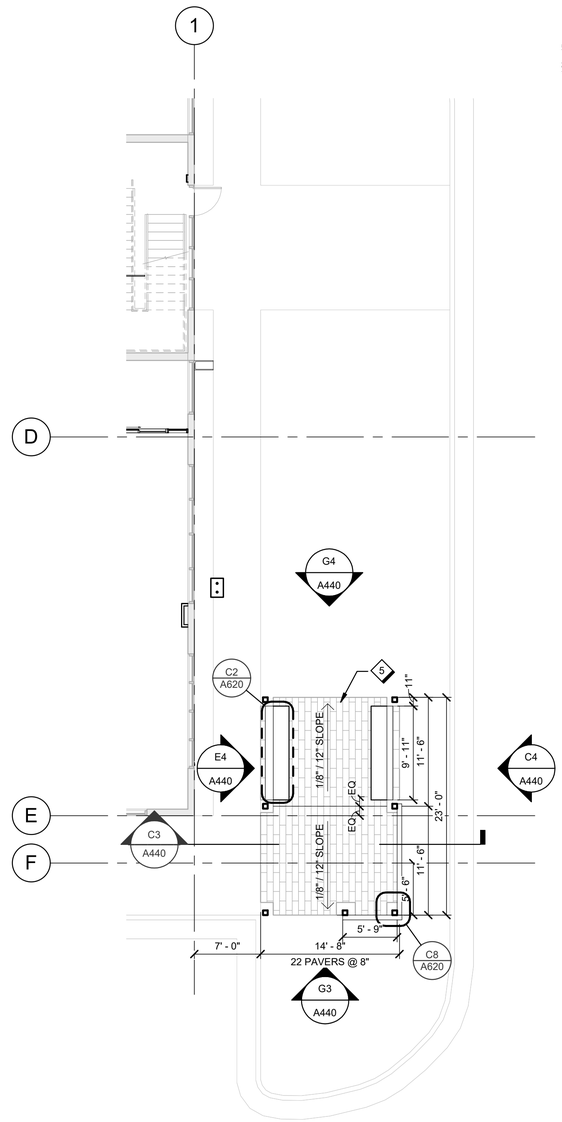
PLOT DATE/TIME: 3/9/2022 12:58:06 PM

GENERAL SHEET NOTES

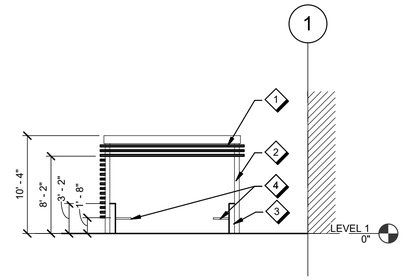
A. REFER TO CIVIL AND LANDSCAPE FOR ADDITIONAL INFORMATION.



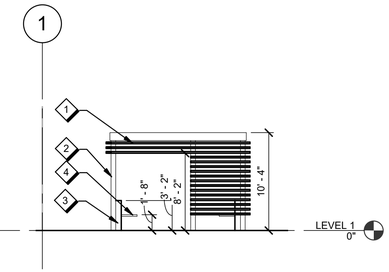
B2 A440 **ROOF PLAN**
1/8" = 1'-0"



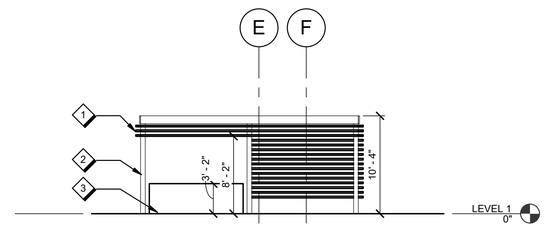
B6 A440 **FLOOR PLAN**
1/8" = 1'-0"



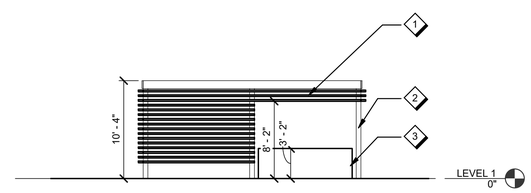
G4 A440 **NORTH ELEVATION**
1/8" = 1'-0"



G3 A440 **SOUTH ELEVATION**
1/8" = 1'-0"



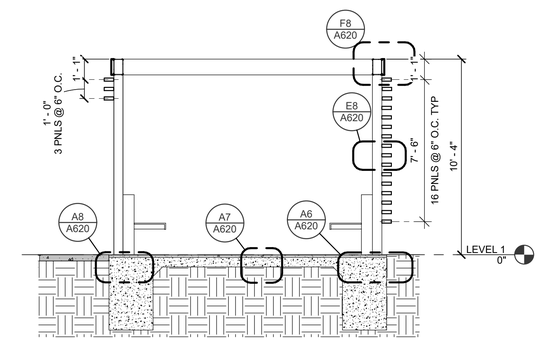
E4 A440 **WEST ELEVATION**
1/8" = 1'-0"



C4 A440 **EAST ELEVATION**
1/8" = 1'-0"

SHEET NOTES

1. SUN SHADING SYSTEM
2. STRUCTURAL POST, REFER TO STRUCTURE
3. 8" ARCHITECTURAL CMU
4. BUILT-IN BENCH
5. 8" X 48" PORCELAIN PAVER. BOD BELGRAD, MOON, DAYLIGHT SERIES



C3 A440 **SECTION**
1/4" = 1'-0"

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8 0 8 16
Scale: 1/8 INCH = 1 FOOT

N
KEY NORTH

LICENSED ARCHITECT
No. 16412
ALAN N. FLORA
STATE OF MARYLAND
03.11.2022

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PATIO PERGOLA FLOOR PLANS AND ELEVATIONS

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY S. LIGHT
DRAWN BY S. LIGHT
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A440
REV.

PLOT DATE/TIME: 3/9/2022 12:58:14 PM

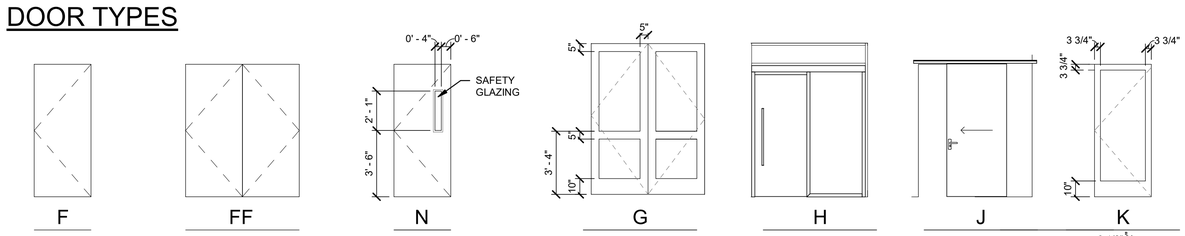
DOOR SCHEDULE

DOOR				FIRE RATING IN MINUTES	FRAME					HARDWARE	REMARKS
NUMBER	TYPE	W X H	MATERIAL		MATERIAL	TYPE	HEAD	JAMB	SILL		
1ST1	N	3' - 0" X 7' - 0"	HM	60 MIN	HM	F1	-	-		18	MATCH EXISTING FRAME PROFILE
1ST2	N	3' - 0" X 7' - 0"	HM	60 MIN	HM	F1	-	-		18	MATCH EXISTING FRAME PROFILE
2ST1	N	3' - 0" X 7' - 0"	HM	60 MIN	HM	F1	-	-		18	MATCH EXISTING FRAME PROFILE
2ST2	N	3' - 0" X 7' - 0"	HM	60 MIN	HM	F1	-	-		18	MATCH EXISTING FRAME PROFILE
102	G	6' - 0" X 8' - 0"	AL/GL	-	AL	F2	-	-		1	STOREFRONT
104	F	3' - 0" X 7' - 0"	HM	45 MIN	HM	F1	A4/A501	A4/A501	C3/A501	2	SOUND CONTROL DOOR - STC 55
105	F	3' - 0" X 7' - 0"	HM	-	HM	F1	C4/A501	C4/A501		3	
106	F	3' - 0" X 7' - 0"	HM	-	HM	F1	C4/A501	C4/A501		3	
122	F	3' - 0" X 7' - 0"	WD	-	AL	F1	C8/A502	A8- G6/A502		16	
124	F	3' - 0" X 7' - 0"	HM	-	HM	F1	C4/A501	C4/A501		5	
125	H	6' - 0" X 7' - 0"	AL/GL	-	AL		-	-		6	SLIDING DOOR AS PART OF GLAZED PARTITION
130	G	6' - 0" X 8' - 0"	AL/GL	-	AL	F2	-	-		1	STOREFRONT
133	F	3' - 0" X 7' - 0"	HM	-	HM	F1	C4/A501	C4/A501		16	
134	F	3' - 0" X 7' - 0"	HM	-	HM	F1	C4/A501	C4/A501		16	
140	F	3' - 0" X 7' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		8	
141	FF	6' - 0" X 7' - 0"	WD	-	AL	F1	C8/A502	A8- G6/A502		9	
142	F	3' - 0" X 7' - 0"	HM	-	HM	F1	C4/A501	C4/A501		16	
143	F	3' - 0" X 7' - 0"	HM	-	HM	F1	C4/A501	C4/A501		16.1	
144	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		11	
145	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		11	
150	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		12	
151	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		12	
152	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		12	
152A	FF	5' - 0" X 8' - 0"	WD	-	AL	F1	C8/A502	A8- G6/A502		13	
153	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		11	
154	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		11	
155	F	3' - 0" X 7' - 0"	WD	-	HM	F1	C4/A501	C4/A501		14	
156	F	3' - 0" X 7' - 0"	WD	-	HM	F1	C4/A501	C4/A501		15	
157	F	3' - 0" X 7' - 0"	WD	-	HM	F1	C4/A501	C4/A501		15	
159	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		8	
160	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		8	
161	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		8	
162	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		8	
163	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		8	
164	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		8	
165	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		8	
166	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		8	
167	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		8	
168	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		8	
169	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		8	
170	F	3' - 0" X 7' - 0"	HM	-	HM	F1	C4/A501	C4/A501		16	
171	F	3' - 0" X 7' - 0"	HM	-	HM	F1	C4/A501	C4/A501		16.1	
172	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		8	
173	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		8	
200A	K	3' - 0" X 8' - 0"	AL/GL	-	AL	F2	C8/A502	A8- G6/A502		11	
200B	K	3' - 0" X 8' - 0"	AL/GL	-	AL	F2	C8/A502	A8- G6/A502		11	
202	F	3' - 0" X 7' - 0"	HM	-	HM	F1	C4/A501	C4/A501		16	
203	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A502	A8- G6/A502		11	
205	F	3' - 0" X 7' - 0"	WD	-	HM	F1	C4/A501	C4/A501		15	
206	F	3' - 0" X 7' - 0"	WD	-	HM	F1	C4/A501	C4/A501		15	
214	J	3' - 0" X 7' - 0"	WD	-	HM	-	-	-		17	SLIDING BARN DOOR - CASED OPENING
215	J	3' - 0" X 7' - 0"	WD	-	HM	-	-	-		17	SLIDING BARN DOOR - CASED OPENING
220	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		11	
221	F	3' - 0" X 7' - 0"	HM	-	HM	F1	C4/A501	C4/A501		16	
223	F	3' - 0" X 7' - 0"	HM	-	HM	F1	C4/A501	C4/A501		16.1	
224	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
225	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
226	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
227	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
228	H	6' - 0" X 8' - 0"	GL	-	AL		C8/A501	A8- G6/A502		6	SLIDING DOOR AS PART OF GLAZED PARTITION
231	F	3' - 0" X 7' - 0"	HM	-	HM	F1	C4/A501	C4/A501		16.1	
232	F	3' - 0" X 7' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
233	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
234	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
235	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
236	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
237	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
238	J	3' - 0" X 7' - 0"	WD	-	HM	-	-	-		17	SLIDING BARN DOOR - CASED OPENING
239	J	3' - 0" X 7' - 0"	WD	-	HM	-	-	-		17	SLIDING BARN DOOR - CASED OPENING
240	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
241	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
242	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
243	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
244	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
245	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
246	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
247	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	

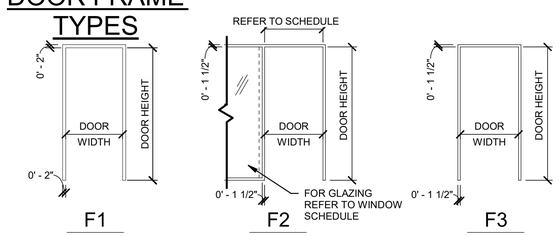
DOOR SCHEDULE

DOOR				FIRE RATING IN MINUTES	FRAME					HARDWARE	REMARKS
NUMBER	TYPE	W X H	MATERIAL		MATERIAL	TYPE	HEAD	JAMB	SILL		
248	F	3' - 0" X 8' - 0"	WD	-	AL	F2	C8/A501	A8- G6/A502		8	
250	F	3' - 0" X 7' - 0"	HM	-	HM	F1	C4/A501	C4/A501		16	
251	F	3' - 0" X 7' - 0"	HM	-	HM	F1	C4/A501	C4/A501		16.1	
252	H	6' - 0" X 7' - 0"	AL/GL	-	AL		-	-		6	SLIDING DOOR AS PART OF GLAZED PARTITION
269	F	3' - 0" X 7' - 6"	HM	-	HM	F1	A6/A626	A6/A626	A8/A626	2.1	
EX102	LL	6' - 0" X 8' - 0"	AL/GL	-	AL	-	-	-		1.1	STOREFRONT
EX130	LL	6' - 0" X 8' - 0"	AL/GL	-	AL	-	-	-		1.1	STOREFRONT
X131	-	3' - 0" X 7' - 0"	-	-	-	-				19	EXISTING DOOR
X132	-	3' - 0" X 7' - 0"	-	-	-	-				19	EXISTING DOOR
XST1	-	3' - 0" X 8' - 0"	-	-	-	-				20	EXISTING DOOR
XST2	-	3' - 0" X 8' - 0"	-	-	-	-				20	EXISTING DOOR

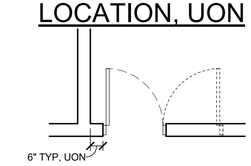
DOOR TYPES



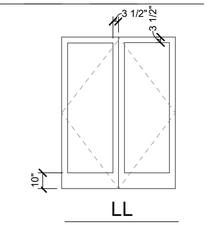
DOOR FRAME TYPES

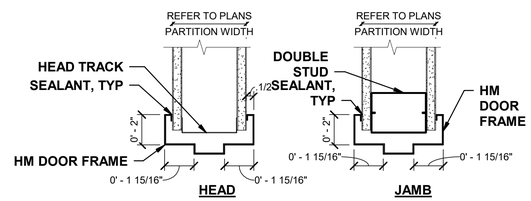


INTERIOR DOOR LOCATION, UON



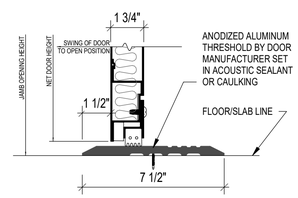
NOTE:
REFER TO DOOR SCHEDULE FOR SIZE AND TYPE OF DOOR.





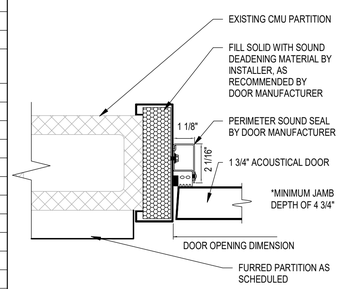
C4 / A501 DOOR FRAME DETAILS

NTS



C3 / A501 DOOR THRESHOLD - STC 50

3" = 1'-0"



A4 / A501 JAMB/HEAD - STC50

3" = 1'-0"

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

LICENSED ARCHITECT No. 15412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

DOOR SCHEDULE

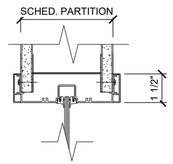
WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

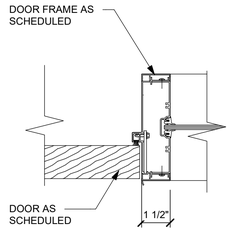
DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A501 REV.

DCCA ADM
WARRENTON, VA

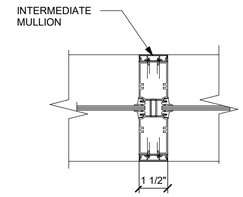
PLOT DATE/TIME: 3/9/2022 12:58:20 PM



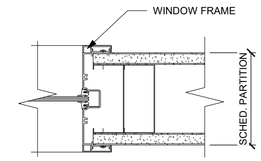
G8 A502 GLAZED PARTITION - HEAD
3" = 1'-0"



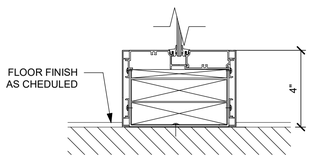
G6 A502 GLAZED PARTITION DOOR JAMB
3" = 1'-0"



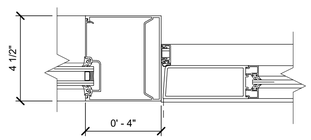
G5 A502 GLAZED PARTITION INTERMEDIATE MULLION
3" = 1'-0"



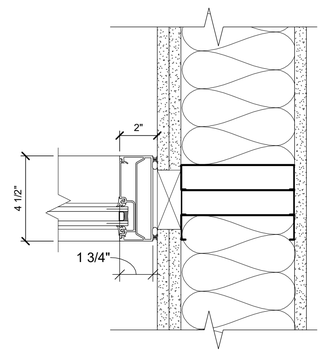
G3 A502 GLAZED PARTITION - JAMB
3" = 1'-0"



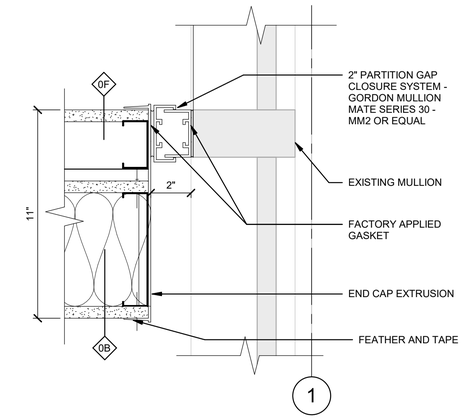
F8 A502 GLAZED PARTITION SILL
3" = 1'-0"



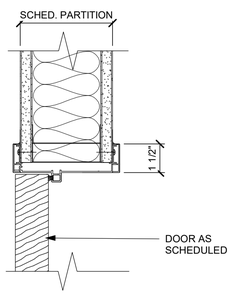
F6 A502 STOREFRONT DOOR JAMB
3" = 1'-0"



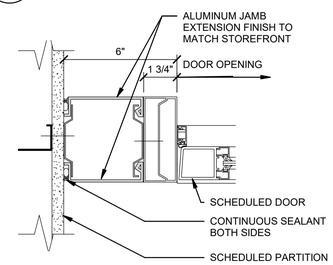
E5 A502 STOREFRONT JAMB
3" = 1'-0"



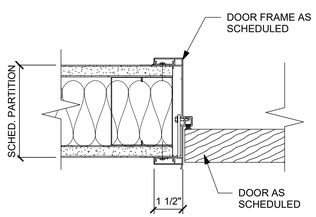
E2 A502 WALL ENCLOSURE
3" = 1'-0"



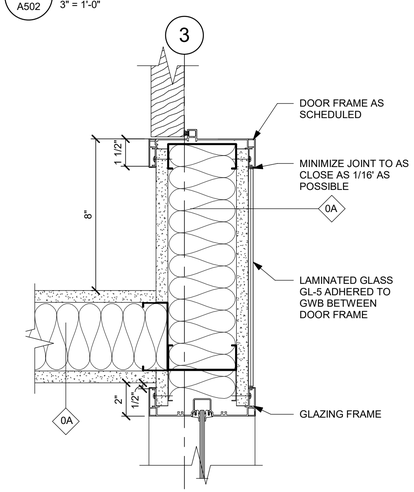
D8 A502 ALUM DOOR FRAME - HEAD
3" = 1'-0"



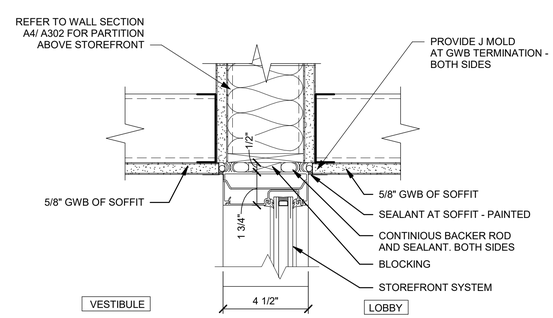
D6 A502 JAMB - SOUTH VESTIBULE
3" = 1'-0"



A8 A502 ALUM DOOR FRAME - JAMB
3" = 1'-0"



A6 A502 ALUM DOOR FRAME TAMB WITH GLASS PANEL
3" = 1'-0"



A5 A502 STOREFRONT HEAD
3" = 1'-0"

0 4" 8" 12"
Scale: 3 INCH = 1 FOOT

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

LICENSED ARCHITECT No. 15412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

GLAZED PARTITION, STOREFRONT AND DOOR DETAILS

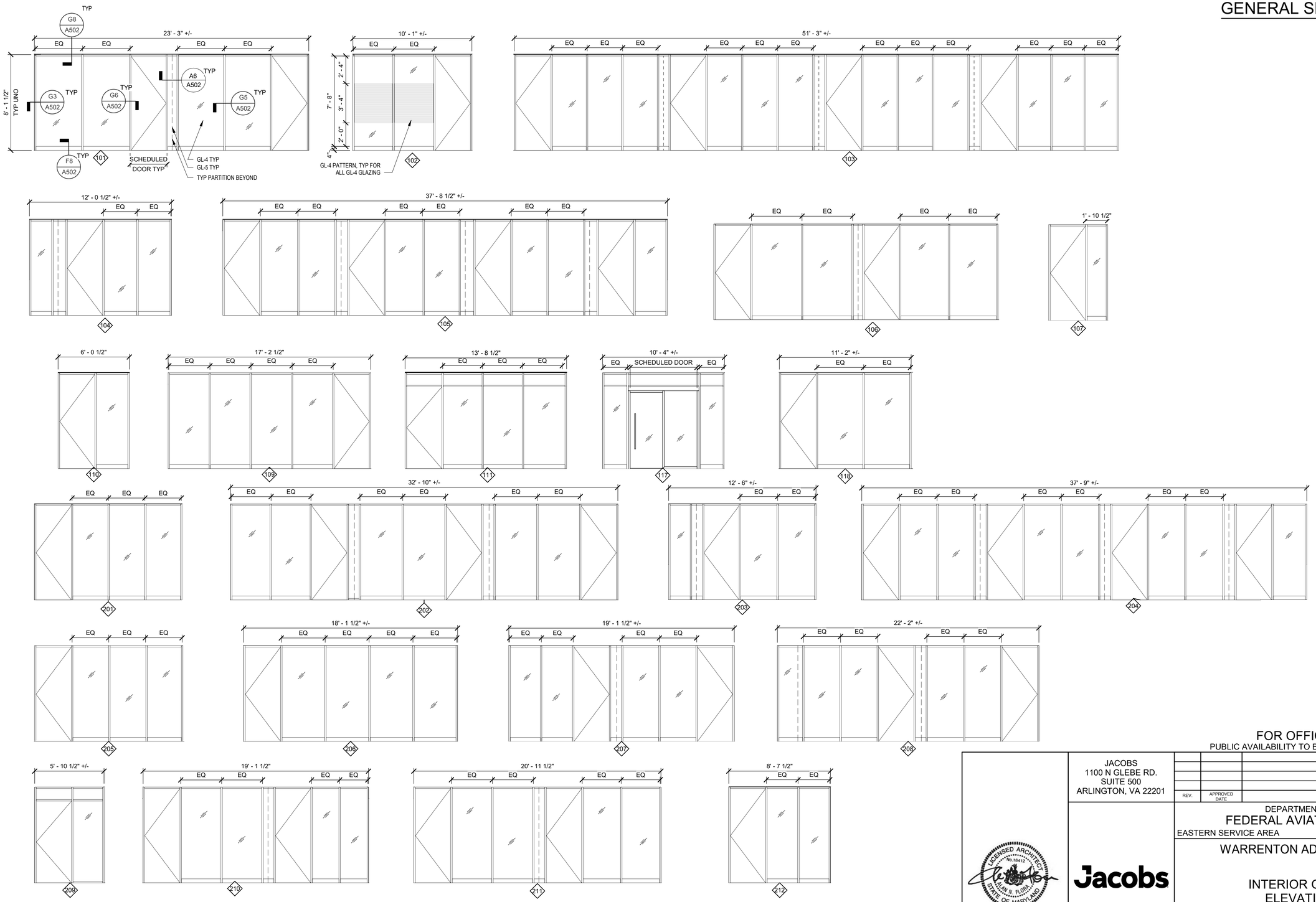
WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A502 REV.

PLOT DATE/TIME: 4/8/2022 12:19:50 PM

GENERAL SHEET NOTES



INTERIOR GLAZED PARTITIONS

1/4" = 1'-0"

4 0 4 8

Scale: 1/4 INCH = 1 FOOT

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

LICENSED ARCHITECT No. 16412 ALAN N. FLORA STATE OF MARYLAND

03.11.2022

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

INTERIOR GLAZED PARTITION
ELEVATIONS/SCHEDULE

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY

SUBMITTER'S TITLE | APPROVER'S TITLE

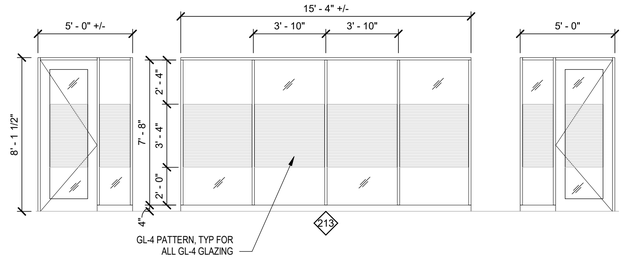
DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS

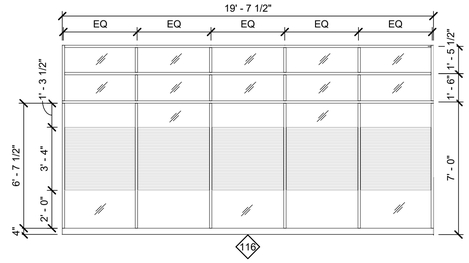
ISSUED BY: ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 | JCN: 21001763

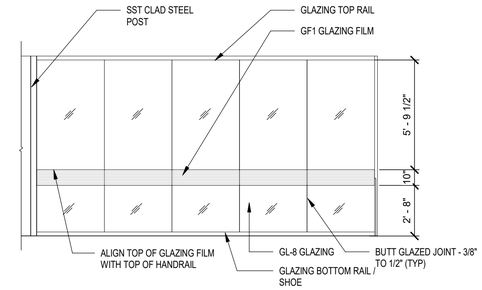
DRAWING NO. DCCA - D - ADM - A520 | REV.

PLOT DATE/TIME: 3/9/2022 12:58:39 PM





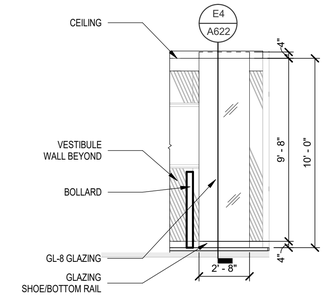
INTERIOR GLAZED PARTITION ELEVATIONS



G4 / A521 OPEN OFFICE 210 GLAZING

1/4" = 1'-0"

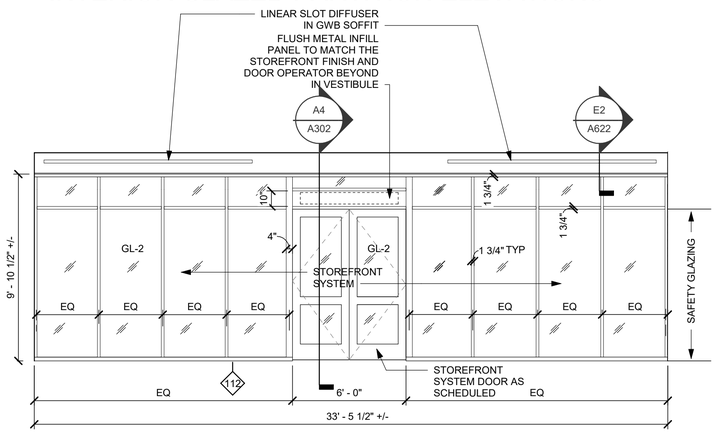
ALL GLASS SYSTEM



G2 / A521 VESTIBULE 102 GLAZING

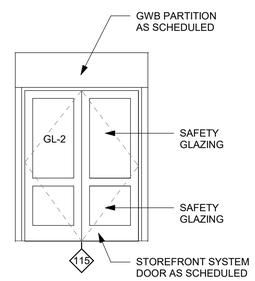
1/4" = 1'-0"

ALL GLASS SYSTEM



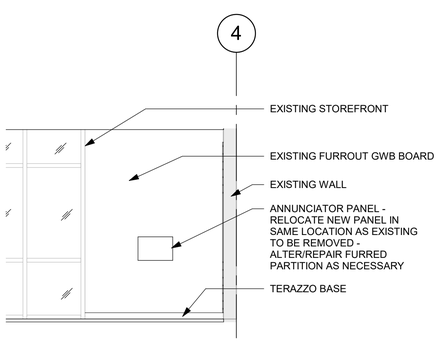
D8 / A521 VESTIBULE #102 STOREFRONT ELEVATION

1/4" = 1'-0"



D6 / A521 VESTIBULE #130 STOREFRONT ELEVATION

1/4" = 1'-0"



A8 / A521 VESTIBULE 102- ELEVATION

1/4" = 1'-0"

4 0 4 8

Scale: 1/4 INCH = 1 FOOT

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

INTERIOR GLAZED PARTITION AND STOREFRONT ELEVATION SCHEDULE

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763

DRAWING NO. DCCA - D - ADM - A521

REV.

PLOT DATE/TIME: 4/13/2022 11:07:32 AM

INTERIOR MATERIALS FINISH SCHEDULE

CODE	SURFACE	MATERIAL	MANUFACTURER	MODEL/STYLE	COLOR	SIZE	REMARKS
ABC1	CEILING	ACOUSTICAL BAFFLE CEILING	ARMSTRONG	SOUNDSCAPES BLADES	WHITE	10" X 46" X 2"	
ABC2	CEILING	ACOUSTICAL BAFFLE CEILING	ARMSTRONG	SOUNDSCAPES BLADES	WHITE	10" X 94" X 2"	
APC1	CEILING	ACOUSTICAL PANEL CEILING	ARMSTRONG	OPTIMA TEGULAR	WHITE	24" X 24"	
APC2	CEILING	ACOUSTICAL PANEL CEILING	ARMSTRONG	OPTIMA TEGULAR	WHITE	48" X 48"	
APC3	CEILING	ACOUSTICAL PANEL CEILING	ARMSTRONG	SOUNDSCAPE SHAPES	WHITE	48" X 48"	
APC4	CEILING, WALL	ACOUSTICAL PANEL CEILING	ARMSTRONG	ACOUSTIBUILT	NO FINISH, FIELD PAINTABLE	24" X 48"	
APC5	CEILING	ACOUSTICAL PANEL CEILING	ARMSTRONG	INVISACOUSTICS	NO FINISH, FIELD PAINTABLE	24" X 48"	
AWP1	WALL	ACOUSTICAL WALL PANEL	ACUOFELT	FRACTURE, INTERSECT	COLOR TO MATCH SW 7030 ANEW GRAY	48" X 110"	1/2" THICK
AWP2	WALL	ACOUSTICAL WALL PANEL	ACUOFELT	FRACTURE, INTERSECT	COLOR TO MATCH SW 7028 INCREDIBLE WHITE	48" x 110"	1/2" THICK
CPT1	FLOOR	CARPET TILE	BENTLEY MILLS	8OF240AA0T OFF THE CHAIN	NEEDLE, 800121	18" X 36"	ASHLAR INSTALLATION, REFER TO FINISH PLANS FOR DIRECTION OF PATTERN
CPT2	FLOOR	CARPET TILE	BENTLEY MILLS	8BC200AA0T BACKSTAGE	STAGE DOOR, 802108	18" X 36"	MONOLITHIC INSTALLATION, REFER TO FINISH PLANS FOR DIRECTION OF PATTERN
CPT3	FLOOR	CARPET TILE	BENTLEY MILLS	4SET409A0X SHAPESHIFTER	TRANSMITTER,400024	9" X 36"	BRICK INSTALLATION, REFER TO FINISH PLANS FOR DIRECTION OF PATTERN
FRP1	WALL	FIBERGLASS REINFORCED PANEL	MARLITE	STANDARD RFP, PEBBLED SURFACE	P-151 LIGHT GRAY	48" X 96" X 3/32"	
GF1	WALL	GLAZING FILM	3M	FASARA GLASS FINISHES	SLAT (SH2FGSL)	10"H	REFER TO G4/A521 FOR PLACEMENT
GL4	WALL	GLASS	MCGRORY GLASS	JACO-137	CLEAR/FROSTED	-	
GL5	WALL	GLASS	MCGRORY GLASS	JACO-132	COLOR TO MATCH SW 7004 SNOWBOUND	-	
GT1	FLOOR	GROUT	MAPEI	UNSANDED	02 PEWTER	-	TO BE USED ON WALLS, USE MANUFACTURER'S RECOMMENDED JOINT SIZE
GT2	WALL	GROUT	MAPEI	SANDED	02 PEWTER	-	TO BE USED ON FLOORS, USE MANUFACTURER'S RECOMMENDED JOINT SIZE
LVT1	FLOOR	LUXURY VINYL TILE	INTERFACE	BRUSHED LINES A016	A01611 MOUSSE	25CM X 100CM	MONOLITHIC INSTALLATION UNLESS NOTED OTHERWISE, REFER TO FINISH PLANS
MB1	MARKER BOARD	BACK PAINTED GLASS MARKER BOARD	CLARUS	WALL2WALL	CBC-107	-	REFER TO ELEVATIONS FOR OVERALL HEIGHT AND WIDTH
MPC1	CEILING	METAL PAN CEILING	FORMS + SURFACES	STAINLESS STEEL	SANDSTONE	-	ELEVATOR CEILING
OP1	WALL	OPERABLE PARTITION	MAHARAM	UPHOLSTERED WALLS	SPIRAL 901882, 002 BIRCH	-	
PC1	CEILING	PRIVACY CURTAIN	CARNEGIE	PRIVACY DRAPERY	RIVER 4684 32	-	MOTHER'S ROOM PRIVACY CURTAIN
PCT1	FLOOR, WALL	PORCELAIN TILE	ATLAS CONCORDE USA	COVE	COAST, MATTE	12"x24"	FLOOR INSTALLATION TO BE HERRINGBONE, WALL INSTALLATION TO BE MONOLITHIC
PL1	MILLWORK	PLASTIC LAMINATE	FORMICA	HIGH PRESSURE LAMINATE	GRAYSTONE 464-90, GLOSS FINISH	-	
PL2	MILLWORK	PLASTIC LAMINATE	WILSONART	HIGH PRESSURE LAMINATE	FAWN CYPRESS	-	
PT1	WALL	PAINT	SHERWIN WILLIAMS	PROMAR 200 ZERO VOC INTERIOR LATEX, EGGSHELL	SNOWBOUND SW 7004	-	
PT2	WALL	PAINT	SHERWIN WILLIAMS	PROMAR 200 ZERO VOC INTERIOR LATEX, EGGSHELL	ANEW GRAY SW 7030	-	
PT3	WALL	PAINT	SHERWIN WILLIAMS	PROMAR 200 ZERO VOC INTERIOR LATEX, EGGSHELL	AGREEABLE GRAY SW7029		
PT4	DOOR, FRAME	PAINT	SHERWIN WILLIAMS	PROMAR 200 ZERO VOC INTERIOR LATEX, SEMI-GLOSS	SNOWBOUND SW 7004	-	HOLLOW METAL DOOR/FRAME
PT5	CEILING	PAINT	SHERWIN WILLIAMS	PROMAR 200 ZERO VOC INTERIOR LATEX, FLAT	HIGH REFLECTIVE WHITE SW 7757	-	GWB CEILINGS, EXPOSED CONFERENCE AND UTILITY ROOM CEILINGS
PT6	CEILING	PAINT	SHERWIN WILLIAMS	PROMAR 200 ZERO VOC INTERIOR LATEX, FLAT	PORPOISE SW 7047	-	OPEN OFFICE EXPOSED CEILINGS ABOVE ABC1 AND ABC2
PWT1	WALL	PORCELAIN WALL TILE	ATLAS CONCORDE USA	COVE, DART MOSAIC	COAST	11-3/4" X 11-3/4"	
RB1	WALL	RUBBER WALL BASE	ROPPE	VINYL WALL BASE	129 DOLPHIN	4"H	
RFG1	FLOOR	RECESSED FLOOR GRILLE	MATS INC.	METROSTEEL GRATE	STEEL	-	
SC1	FLOOR	SEALED CONCRETE	LATICRETE INTERNATIONAL, INC.	DRESS & SEAL WB	CLEAR, MEDIUM GLOSS	-	WATER BASED
SSM1	COUNTERS, SILLS	SOLID SURFACE MATERIAL	CORIAN	QUARTZ	CLOUD WHITE	-	
SSM2	COUNTERS	SOLID SURFACE MATERIAL	CORIAN	QUARTZ	VALENTE PEARL	-	
TP1	WALL	TOILET PARTITION	BRADLEY CORP	STAINLESS STEEL PARTITIONS	BRUSHED STAINLESS STEEL	-	
TS1	FLOOR	TRANSITION STRIP	ROPPE	#43 CUSTOM CARPET EDGING 1/4"	129 DOLPHIN	-	CARPET TO SEALED CONCRETE
TS2	FLOOR	TRANSITION STRIP	SCHLUTER	RENO-TK REDUCER 1/4"	STAIN ANODIZED ALUMINUM	-	CARPET TO LVT
TZ1	FLOOR	TERRAZZO	TERRAZZO & MARBLE SUPPLY COMPANY	THINSET EPOXY TERRAZZO	TM#21-3007	-	
TZB1	WALL	TERRAZZO BASE	TERRAZZO & MARBLE SUPPLY COMPANY	THINSET PRECAST EPOXY TERRAZZO	TM#21-3007	-	
TZS1	FLOOR	TERRAZZO TREADS AND RISERS	TERRAZZO & MARBLE SUPPLY COMPANY	THINSET PRECAST EPOXY TERRAZZO	TM#21-3007	-	
WD1	DOOR	WOOD DOOR	MASONITE ARCHITECTURAL	ASPIRO SERIES	NATURAL BIRCH, CANE	-	ROTARY CUT
WP1	WALL	WALL PANEL	FORMS + SURFACES	VIVICHROME CHROMIS REFLECT	WHITE	-	ELEVATOR CAB
WP2	WALL	WALL PANEL	FORMS + SURFACES	STAINLESS STEEL	SATIN	-	ELEVATOR CAB
WT1	WINDOW	WINDOW TREATMENT	MECHOSYSTEMS	EUROTWILL 6000 SERIES (3% OPEN)	6018 STONE	-	
WTR1	FLOOR	WOOD TREADS AND RISERS	ANTHOLOGY WOODS	SOLID FLOORING	LEFT COAST WHITE OAK, LOW VOC-POLY	3/4" THICK	FACTORY APPLIED FLAME RETARDANT COATING REQUIRED
WWC1	CEILING, WALL	WOOD WALL CLADDING	ANTHOLOGY WOODS	HARDWOOD CLADDING, THINCLAD	LEFT COAST WHITE OAK, LOW VOC-POLY	4"H, 3/8" THICK	
WWP1	CEILING, WALL	WOOD WALL PLANK	CERTAINTEED ARCHITECTURAL	DECOUSTICS RONDOLO PLANK	WHITE OAK, CLEAR LACQUER	7-9/16" X 96"	

GENERAL SHEET NOTES

A. MANUFACTURER'S COLORS AND PATTERNS ARE INTENDED FOR REFERENCE ONLY. WHERE PRODUCT OR COLOR IS SHOWN AS BEING SPECIFIC TO ONE MANUFACTURER, AN EQUIVALENT PRODUCT OR COLOR BY ANOTHER MANUFACTURER MAY BE SUBSTITUTED FOR APPROVAL. MANUFACTURERS, MATERIALS, AND PRODUCTS SPECIFIED ARE NOT INTENDED TO LIMIT THE SELECTION OF EQUAL PRODUCTS OR COLORS FROM OTHER MANUFACTURERS.

B. FIELD VERIFY DIMENSIONS, MODIFY LAYOUT AS REQUIRED TO ACCOMMODATE FIELD CONDITIONS TO ACHIEVE DESCRIBED PATTERN AND DESIGN INTENT.

C. REFER TO FINISH PLANS FOR FLOOR MATERIALS AND FINISH LOCATIONS.

D. TRANSITION STRIPS TO BE CENTERED UNDER DOOR AND INSTALLED PER MANUFACTURER'S INSTRUCTION.

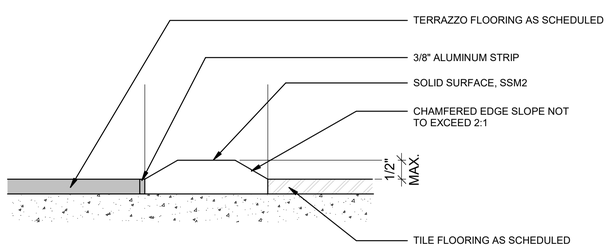
E. UNLESS OTHERWISE NOTED, WHERE ADJOINING ROOMS HAVE DIFFERENT TYPES AND/OR THICKNESS OF FLOOR, INSTALL METAL EDGE PROTECTIVE STRIP AND TAPER FLOOR TO A REDUCTION IN THICKNESS FROM 1/2 TO 1/4 INCH ACROSS NOMINAL 4 INCH DIMENSION TO ENSURE A SMOOTH AND LEVEL TRANSITION BETWEEN FLOOR SURFACES. TRANSITIONS MUST BE IN ACCORDANCE WITH ANSI, ADA, AND ABA STANDARDS.

F. CONCEALED SPRINKLER COVER PLATES TO BE WHITE UNLESS NOTED OTHERWISE. SUBMIT SAMPLES OF WHITE OPTIONS FOR COVER PLATES TO THE INTERIOR DESIGNER OF RECORD.

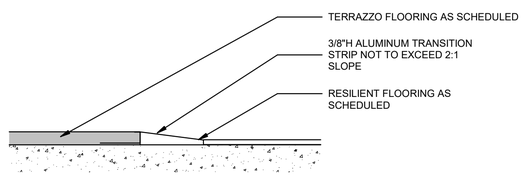
G. SOME MATERIALS AND/OR FINISHES MAY NOT APPEAR ON THIS SHEET.

ABBREVIATIONS

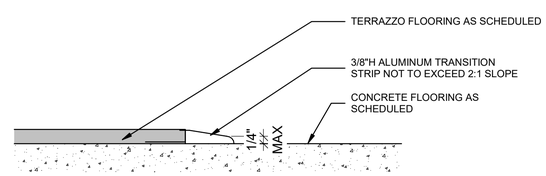
ABC	ACOUSTICAL BAFFLE CEILING	PWT	PORCELAIN WALL TILE
APC	ACOUSTICAL PANEL CEILING	RB	RUBBER WALL BASE
AWP	ACOUSTICAL WALL PANEL	RFG	RECESSED FLOOR GRILLE
CPT	CARPET TILE	SC	SEALED CONCRETE
EX	EXISTING	SSM	SOLID SURFACE MATERIAL
FRP	FIBERGLASS REINFORCED PANEL	TP	TOILET PARTITION
GF	GLAZING FILM	TS	TRANSITION STRIP
GL	GLASS	TZ	TERRAZZO
GT	GROUT	TZB	TERRAZZO TILE BASE
LVT	LUXURY VINYL TILE	TZS	TERRAZZO TREADS AND RISERS
MB	MARKER BOARD	WD	WOOD DOOR
MPC	METAL PAN CEILING	WP	WALL PANEL
OP	OPERABLE PARTITION	WT	WINDOW TREATMENT
PC	PRIVACY CURTAIN	WTR	WOOD TREADS AND RISERS
PCT	PORCELAIN CERAMIC TILE	WWC	WOOD WALL CLADDING
PL	PLASTIC LAMINATE	WWP	WOOD WALL PLANK
PT	PAINT		



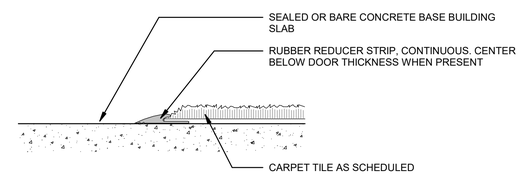
C8 A530 **TERRAZZO TO PORCELAIN TILE**
6" = 1'-0"



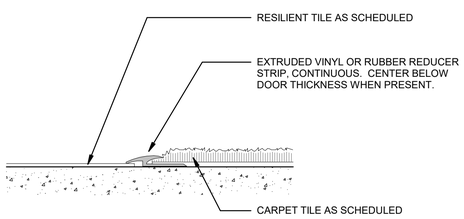
C6 A530 **TERRAZZO TO RESILIENT FLOORING**
6" = 1'-0"



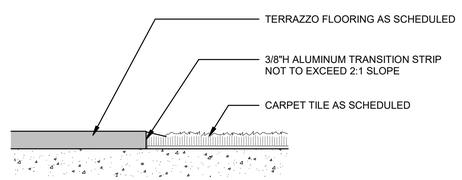
C5 A530 **TERRAZZO TO SEALED CONCRETE**
6" = 1'-0"



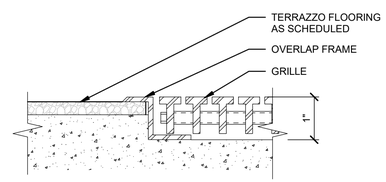
C2 A530 **SEALED CONCRETE TO CARPET**
6" = 1'-0"



A8 A530 **RESILIENT FLOORING TO CARPET**
6" = 1'-0"



A6 A530 **TERRAZZO TO CARPET**
6" = 1'-0"



A5 A530 **WALK OF GRATE DETAIL**
6" = 1'-0"

3 2 1 0 3
SCALE: 6"=1'-0"

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COMMONWEALTH OF VIRGINIA
KIMBERLY S. MILLER
Cert. No. 1060
03-11-2022
CERTIFIED INTERIOR DESIGNER

JACOBS
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REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/VD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

INTERIOR FINISH SCHEDULE

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY K. MILLER
DRAWN BY K. MILLER
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A530 REV.

DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 4/13/2022 2:10:47 PM

FIRST FLOOR ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING FINISH	NOTES
100	LOBBY / GATHERING	TZ1	TZB1	-	PT1	PT1, AWP2	PT1	APC4, PT5	
100A	CORRIDOR	TZ1	TZB1	-	PT1	PT1	PT1	APC1, PT5, WWP1	
102	VESTIBULE	TZ1, RFG1	TZB1	PT1	PT1, AWP2	-	PT1, AWP2	APC4, PT5	
104	ELEV MACH	EX	EX	EX	EX	EX	EX	EX	
105	FURNITURE STORAGE	SC1	RB1	PT1	PT1	PT1	PT1	APC1	
106	STORAGE	SC1	RB1	PT1	PT1	PT1	PT1	APC1	
110	OPEN OFFICE	CPT1, LVT1	RB1	PT1	PT1	PT1	PT1	ABC1, ABC2, PT5, PT6	
110A	CORRIDOR	CPT1, CPT3, LVT1, WWC1	RB1	-	PT1	PT1, WWC1	-	ABC1, ABC2, PT5, PT6	
111	OPEN OFFICE	CPT1, CPT3	RB1	PT1	PT1	PT1	-	ABC1, ABC2, PT6	
112	SEATING AREA	CPT1, CPT3	RB1	PT1	-	PT1	PT1	ABC1, ABC2, PT6	
120	OPEN OFFICE	CPT1	RB1	-	PT1	PT1	PT1	ABC1, ABC2, PT5, PT6	
120A	CORRIDOR	CPT1, CPT3, TZ1	RB1, TZB1	PT1	-	-	-	ABC1, ABC2, APC1, PT5, PT6	
120B	CORRIDOR	CPT1, CPT3, TZ1	RB1, TZB1	PT1	-	-	-	ABC1, ABC2, APC1, PT5, PT6	
121	OPEN OFFICE	CPT1	RB1	-	PT1	PT1	PT1, AWP1	ABC1, ABC2, PT5, PT6	
122	WORK ROOM	CPT2	RB1	PT1	PT1	PT1	PT1	APC1	
123	PRINT/COPY	LVT1	RB1	PT1	-	PT1	PT1	PT5	
124	JC	SC1	RB1	FRP1, PT1	PT1	PT1	FRP1, PT1	PT5	
125	BREAK OUT	CPT2	RB1	AWP1	PT1	-	PT1	APC1	
130	VESTIBULE	TZ1, RFG1	TZB1	PT1	PT1	PT1	PT1	PT5	
131	SPRINKLER ROOM	EX	EX	EX	EX	EX	EX	EX	
132	ELEC/TEL	EX	EX	EX	EX	EX	EX	EX	
133	RECEIVING/MAIL ROOM	LVT1	RB1	PT1	PT1	PT1	PT1	APC1	
134	STORAGE	LVT1	RB1	PT1	PT1	PT1	PT1	APC1	
140	OFFICE	CPT2	RB1	PT1	PT1	PT1	PT1	APC1	
140A	CORRIDOR	CPT1, CPT3	RB1	-	PT1	-	PT1	APC1	
141	FURNITURE STORAGE	LVT1	RB1	PT1	PT1	PT1	PT1	APC1	
142	ELEC	SC1	RB1	PT1	PT1	PT1	PT1	PT5	
143	TELECOM	SC1	RB1	PT1	PT1	PT1	PT1	PT5	
144	CONFERENCE ROOM	CPT2, CPT3	RB1	PT1	AWP1	MB1	PT1	APC3, PT5	
145	FOCUS	CPT2	RB1	AWP1	PT1	AWP1	PT1	APC1	
150	CONFERENCE PRE-FUNCTION	TZ1	TZB1	PT1, WWC1, SSM1, AWP1	PT1	PT1, WWC1, AWP1	PT1	WWC1, PT5	
151	CONFERENCE ROOM	CPT2	RB1	PT1, AWP1	PT1, MB1	OP1	PT1	APC2, PT5	
152	CONFERENCE ROOM	CPT2	RB1	OP1	PT1, MB1	PT1, AWP1	PT1	APC2, PT5	
152A	CLOSET	CPT2	RB1	PT1	PT1	PT1	PT1	PT5	
153	CONFERENCE ROOM	CPT2	RB1	MB1	PT1	PT1	AWP1	APC3, PT5	
154	CONFERENCE ROOM	CPT2	RB1	MB1	PT1	PT1	AWP1	APC3, PT5	
155	MOTHER'S ROOM	LVT1	RB1	PT2	PT2	PT2	PT2	PT5	
156	WOMEN'S TOILET	PCT1	PCT1	PCT1, PWT1, PT3	PCT1, PT3	PCT1, PT3	PCT1, PT3	PT5	
157	MEN'S TOILET	PCT1	PCT1	PCT1, PT3	PCT1, PT3	PCT1, PWT1, PT3	PCT1, PT3	PT5	
158	BREAK RM	LVT1	RB1	PT1	PT1	PT1	PT1, SSM1	APC1, PT5	
159	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
160	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
160A	CORRIDOR	CPT1, CPT3	RB1	-	PT1	-	PT1	APC1	
161	OFFICE	CPT2, CPT3	RB1	PT1	-	PT1	PT1	APC1	
162	OFFICE	CPT2, CPT3	RB1	PT1	-	PT1	PT1	APC1	
163	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
164	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
165	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	-	APC1	
166	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	-	APC1	
167	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
168	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
169	OFFICE	CPT2, CPT3	RB1	PT1	-	PT1	PT1	APC1	
170	ELEC	SC1	RB1	PT1	PT1	PT1	PT1	PT5	
170A	CORRIDOR	CPT1, CPT3	RB1	-	PT1	-	PT1	APC1	
171	TELECOM	SC1	RB1	PT1	PT1	PT1	PT1	PT5	
172	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
173	OFFICE	CPT2	RB1	PT1	PT1	PT1	PT1	APC1	
174	PRINT/COPY	LVT1	RB1	PT1	PT1	PT1	PT1	PT5	

SECOND FLOOR ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING FINISH	NOTES
200	CONFERENCE ROOM	CPT2	RB1	PT1	AWP1, PT1	PT1	AWP1, PT1	APC3, PT5	
200A	CORRIDOR	TZ1	TZB1	-	PT1	-	PT1	APC1, PT5	
201	VENDING	TZ1	TZB1	PT1	PT1	PT1	PT1	APC1	
202	STORAGE	LVT1	RB1	PT1	PT1	PT1	PT1	APC1	
203	CONFERENCE ROOM	CPT2	RB1	PT1, MB1	PT1	PT1	AWP1	APC3, PT5	
205	WOMEN'S TOILET	PCT1	PCT1	PCT1, PWT1, PT3	PCT1, PT3	PCT1, PT3	PCT1, PT3	PT5	
206	MEN'S TOILET	PCT1	PCT1	PCT1, PT3	PCT1, PT3	PCT1, PWT1, PT3	PCT1, PT3	PT5	
207	BREAK RM	LVT1	RB1	PT1	PT1	PT1	PT1, SSM1	APC1, PT5	
210	OPEN OFFICE	CPT1	RB1, TZB1	PT1	WWP1, PT1, GF1	PT1	PT1	ABC1, ABC2, PT6	
210A	CORRIDOR	CPT1, CPT3	RB1	-	GF1	PT1	-	ABC1, ABC2, PT6	
211	OPEN OFFICE	CPT1, CPT3	RB1, TZB1	PT1	PT1	PT1	WWP1, PT1	ABC1, ABC2, PT5, PT6	
212	PRINT/COPY	LVT1	RB1	-	PT1	PT1	PT1	PT5	
214	STOR	CPT2	RB1	PT1	PT1	PT1	PT1	PT5	
215	STOR	CPT2	RB1	PT1	PT1	PT1	PT1	PT5	
220	HUDDLE	CPT2	RB1	MB1	PT1	PT1	PT1	APC1	
220A	CORRIDOR	CPT1, CPT3	RB1	-	PT1	-	PT1	APC1	
221	ELEC	SC1	RB1	PT1	PT1	PT1	PT1	PT5	
223	LAN/IT ROOM	SC1	RB1	PT1	PT1	PT1	PT1	PT5	
224	OFFICE	CPT2, CPT3	RB1	-	PT1	PT1	PT1	APC1	
225	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
226	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
227	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
229	BREAKOUT	CPT2	RB1	AWP1	PT1	-	PT1	APC1	
230	OPEN OFFICE	CPT1	RB1	-	PT1	PT1	PT1	ABC1, ABC2, PT6	
230A	CORRIDOR	CPT1, CPT3	RB1	PT1	-	-	-	ABC1, ABC2, PT6	
231	STORAGE	LVT1	RB1	PT1	PT1	PT1	PT1	PT5	
232	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
233	OFFICE	CPT2, CPT3	RB1	PT1	PT1	-	PT1	APC1	
234	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
235	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
236	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
237	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
238	STOR	CPT1	RB1	PT1	PT1	PT1	PT1	PT5	
239	STOR	CPT1	RB1	PT1	PT1	PT1	PT1	PT5	
240	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
240A	CONVENIENCE STAIR A	TZS1, WTR1	TZB1	-	-	PT1, AWP2	PT1	-	
240B	CONVENIENCE STAIR B	TZS1, WTR1	TZB1	-	PT1	PT1, AWP2	-	-	
240C	BRIDGE	TZ1	TZB1	WWP1	-	-	-	PT5	
240D	CORRIDOR	CPT1, CPT3	RB1	-	-	-	-	APC1	
241	OFFICE	CPT2, CPT3	RB1	PT1	-	PT1	PT1	APC1	
242	OFFICE	CPT2, CPT3	RB1	PT1	-	PT1	PT1	APC1	
243	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
244	OFFICE	CPT2, CPT3	RB1	PT1	-	PT1	PT1	APC1	
245	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
246	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	-	APC1	
247	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
248	OFFICE	CPT2, CPT3	RB1	PT1	PT1	PT1	PT1	APC1	
250	ELEC	SC1	RB1	PT1	PT1	PT1	PT1	PT5	
250A	CORRIDOR	CPT1, CPT3	RB1	-	PT1	-	PT1	APC1	
251	TELECOM	SC1	RB1	PT1	PT1	PT1	PT1	PT5	
252	BREAKOUT	CPT2	RB1	AWP1	PT1	-	PT1	APC1	
X-ST101	STAIR 1	EX	RB1	PT1	PT1	PT1	PT1	EX	
X-ST102	STAIR 1	EX	RB1	PT1	PT1	PT1	PT1	EX	
X-ST201	STAIR 2	EX	RB1	PT1	PT1	PT1	PT1	EX	
X-ST202	STAIR 2	EX	RB1	PT1	PT1	PT1	PT1	EX	

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1100 N GLEBE RD.
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ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

COMMONWEALTH OF VIRGINIA
KIMBERLY S. MILLER
Cert. No. 1060
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Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ROOM FINISH SCHEDULE

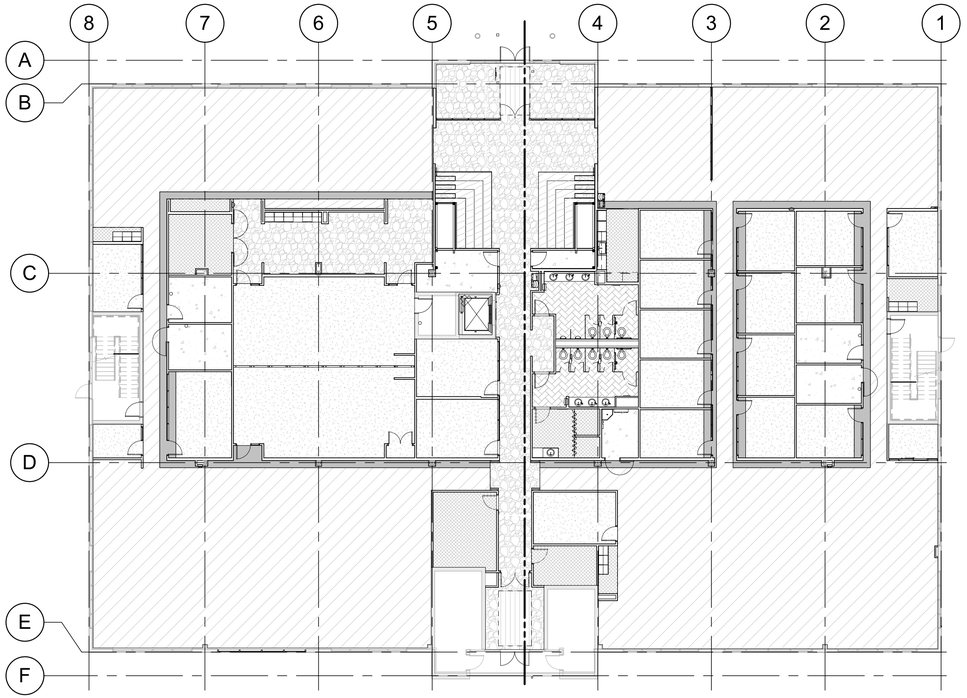
WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

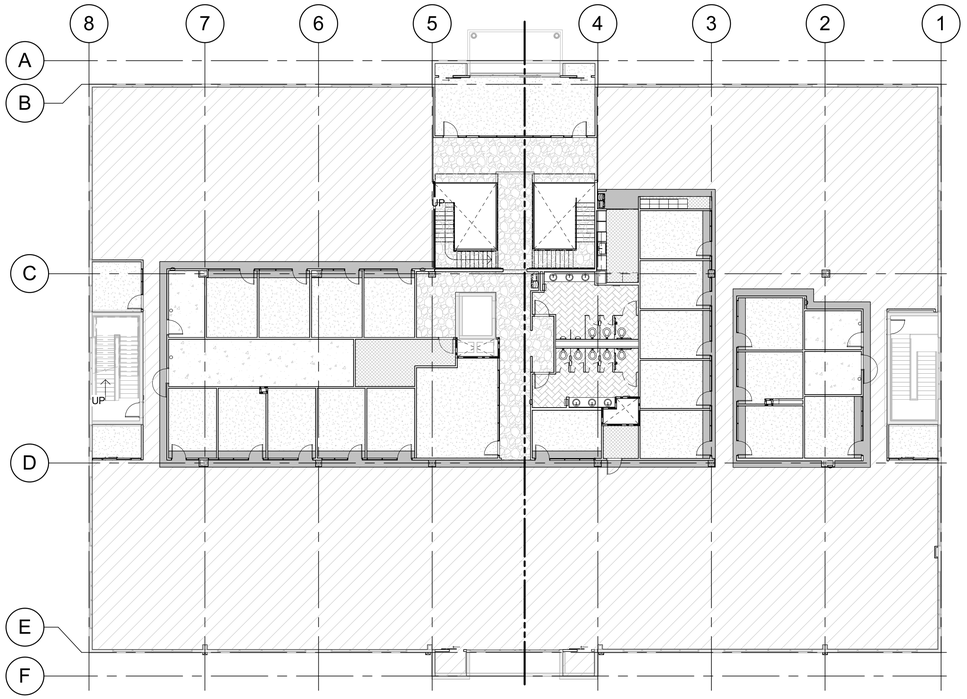
DESIGNED BY K. MILLER
DRAWN BY K. MILLER
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 | JCN: 21001763
DRAWING NO. DCCA - D - ADM - A531 | REV.

PLOT DATE/TIME: 4/13/2022 2:10:52 PM



E8 / A532 FIRST FLOOR FINISH PLAN - OVERALL

1/16" = 1'-0"



A8 / A532 SECOND FLOOR FINISH PLAN - OVERALL

1/16" = 1'-0"

GENERAL SHEET NOTES

A. REFER TO A530 THROUGH A531 FOR INTERIOR FINISH SCHEDULES, MATERIAL INFORMATION AND ABBREVIATION LEGEND.

B. FLOOR TRANSITIONS BETWEEN ROOMS TO OCCUR AT THE CENTERLINE OF DOOR UNLESS OTHERWISE NOTED. TRANSITIONS ARE NOT REQUIRED BETWEEN MATERIALS OF THE SAME THICKNESS. REFER TO FINISH MATERIAL LEGEND FOR TRANSITION TYPE.

C. WALLS TO BE PAINTED PT1 UNLESS OTHERWISE NOTED. WALLS TO HAVE EGGSHELL FINISH IN A 'NON-VOC' PAINT UNLESS OTHERWISE NOTED. PROVIDE ONE (1) PRIME COAT AND TWO (2) FINISH COATS OF PAINT.

D. WALLS TO RECEIVE WALL BASE RB1 UNLESS OTHERWISE NOTED.

E. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION INSTRUCTIONS. PREP SURFACES AS REQUIRED.

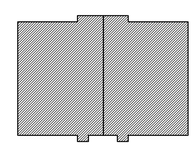
F. REFER TO A120 THROUGH A124 FOR REFLECTED CEILING PLANS.

G. REFER TO A250 THROUGH A253 FOR INTERIOR ELEVATIONS AND DETAILS.

H. WINDOW SILLS TO BE SMM1, REFER TO A8/A615.

LEGEND

CARPET TILE CPT1	RECESSED FLOOR GRILLE RFG1
CARPET TILE CPT2	SEALED CONCRETE SC1
CARPET TILE CPT3	TERRAZZO TZ1, TZS1
LUXURY VINYL TILE LVT1	WOOD FINISH WTR1, WWC1
PORCELAIN TILE PCT1	EXISTING TO REMAIN



PARTS PLAN

24 16 8 0 24

SCALE: 1/16"=1'-0"

KEY NORTH

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

COMMONWEALTH OF VIRGINIA
KIMBERLY S. MILLER
Cert. No. 1060
03-11-2022
CERTIFIED INTERIOR DESIGNER

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

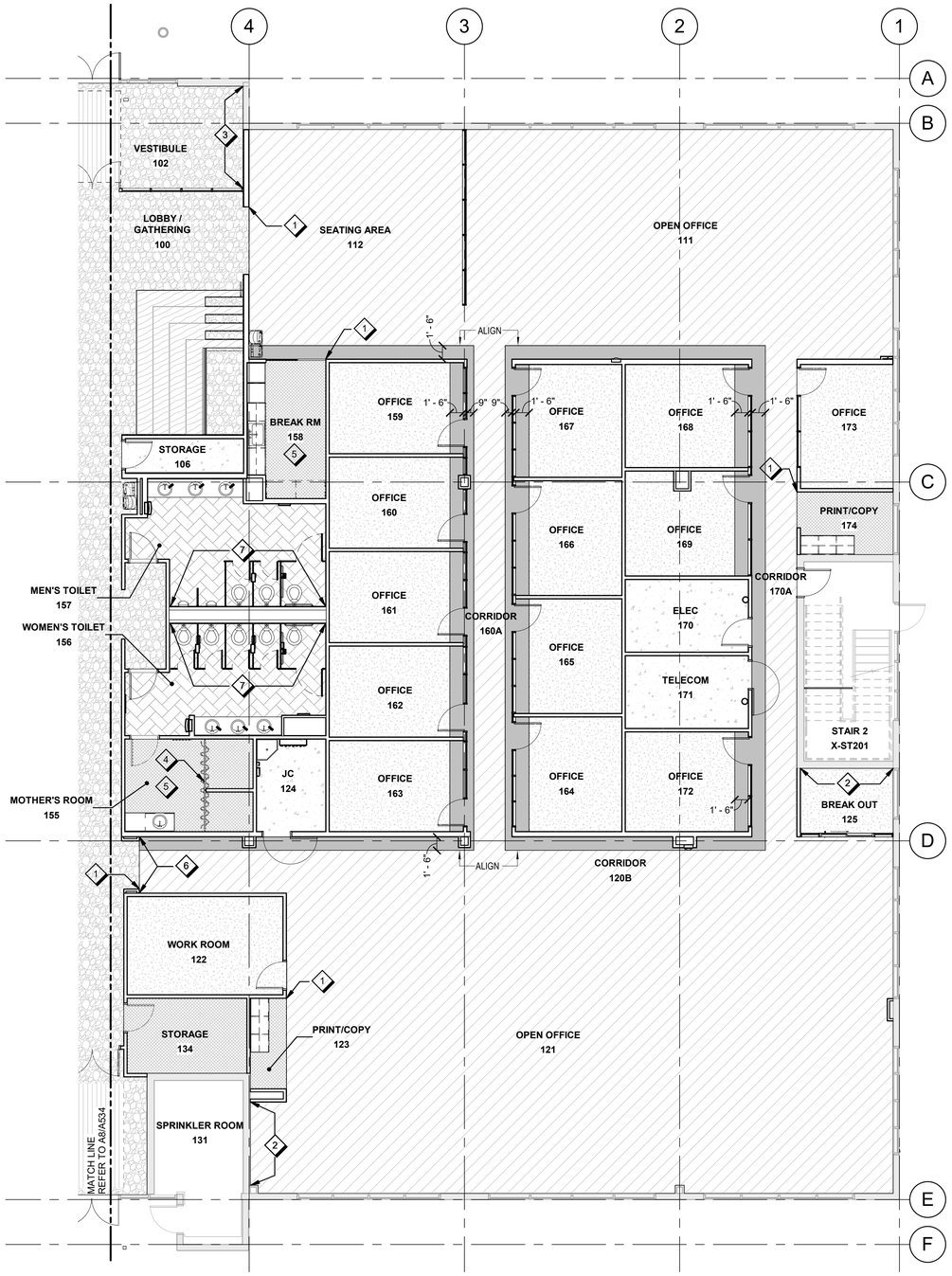
GUIDE PLAN - FIRST AND SECOND FLOOR FINISH PLANS

WARRENTON — DCCA ADM — VA

DCCA ADM
WARRENTON, VA

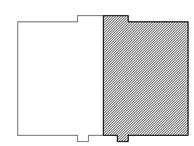
REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE
	DESIGNED BY K. MILLER	ISSUED BY ENGINEERING SERVICES TERMINAL
	DRAWN BY K. MILLER	DATE 03/11/2022 — JCN: 21001763
	CHECKED BY K. CHARBONEAU	DRAWING NO. DCCA - D - ADM - A532 — REV.

PLOT DATE/TIME: 4/13/2022 2:25:05 PM



A8 / A533 FIRST FLOOR FINISH PLAN - PART 1

1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO A530 THROUGH A531 FOR INTERIOR FINISH SCHEDULES, MATERIAL INFORMATION AND ABBREVIATION LEGEND.

B. FLOOR TRANSITIONS BETWEEN ROOMS TO OCCUR AT THE CENTERLINE OF DOOR UNLESS OTHERWISE NOTED. TRANSITIONS ARE NOT REQUIRED BETWEEN MATERIALS OF THE SAME THICKNESS.

C. WALLS TO BE PAINTED PT1 UNLESS OTHERWISE NOTED. WALLS TO HAVE EGGSHELL FINISH IN A 'NON-VOC' PAINT UNLESS OTHERWISE NOTED. PROVIDE ONE (1) PRIME COAT AND TWO (2) FINISH COATS OF PAINT.

D. WALLS TO RECEIVE WALL BASE RB1 UNLESS OTHERWISE NOTED.

E. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION INSTRUCTIONS. PREP ALL SURFACES AS REQUIRED.

F. REFER TO A120 THROUGH A124 FOR REFLECTED CEILING PLANS.

G. REFER TO A250 THROUGH A253 FOR INTERIOR ELEVATIONS AND DETAILS.

H. WINDOW SILLS TO BE SSM1, REFER TO A8/A615. WINDOWS TO RECEIVE WT1.

SHEET NOTES

1 ALIGN FLOOR FINISH TRANSITION WITH FACE OF PARTITION

2 ACOUSTICAL WALL PANEL AS SCHEDULED, AWP1

3 ACOUSTICAL WALL PANEL AS SCHEDULED, AWP2

4 MOTHER'S ROOM PRIVACY CURTAIN PC1 AS SCHEDULED

5 LVT1 FLOOR FINISH TO BE INSTALLED IN HERRINGBONE PATTERN

6 CONTINUE TERRAZZO BASE TZB1 TO INSIDE CORNER OF PARTITION AS SHOWN, BEGIN RUBBER BASE RB1 AT PERPENDICULAR PARTITION

7 PORCELAIN WALL TILE PWT1 EXTENTS

LEGEND

CARPET TILE CPT1	RECESSED FLOOR GRILLE RFG1
CARPET TILE CPT2	SEALED CONCRETE SC1
CARPET TILE CPT3	TERRAZZO TZ1, TZS1
LUXURY VINYL TILE LVT1	WOOD FINISH WTR1, WWC1
PORCELAIN TILE PCT1	EXISTING TO REMAIN

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COMMONWEALTH OF VIRGINIA
KIMBERLY S. MILLER
Cert. No. 1060
03-11-2022
CERTIFIED INTERIOR DESIGNER

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SUITE 500
ARLINGTON, VA 22201

Jacobs

DCCA ADM
WARRENTON, VA

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

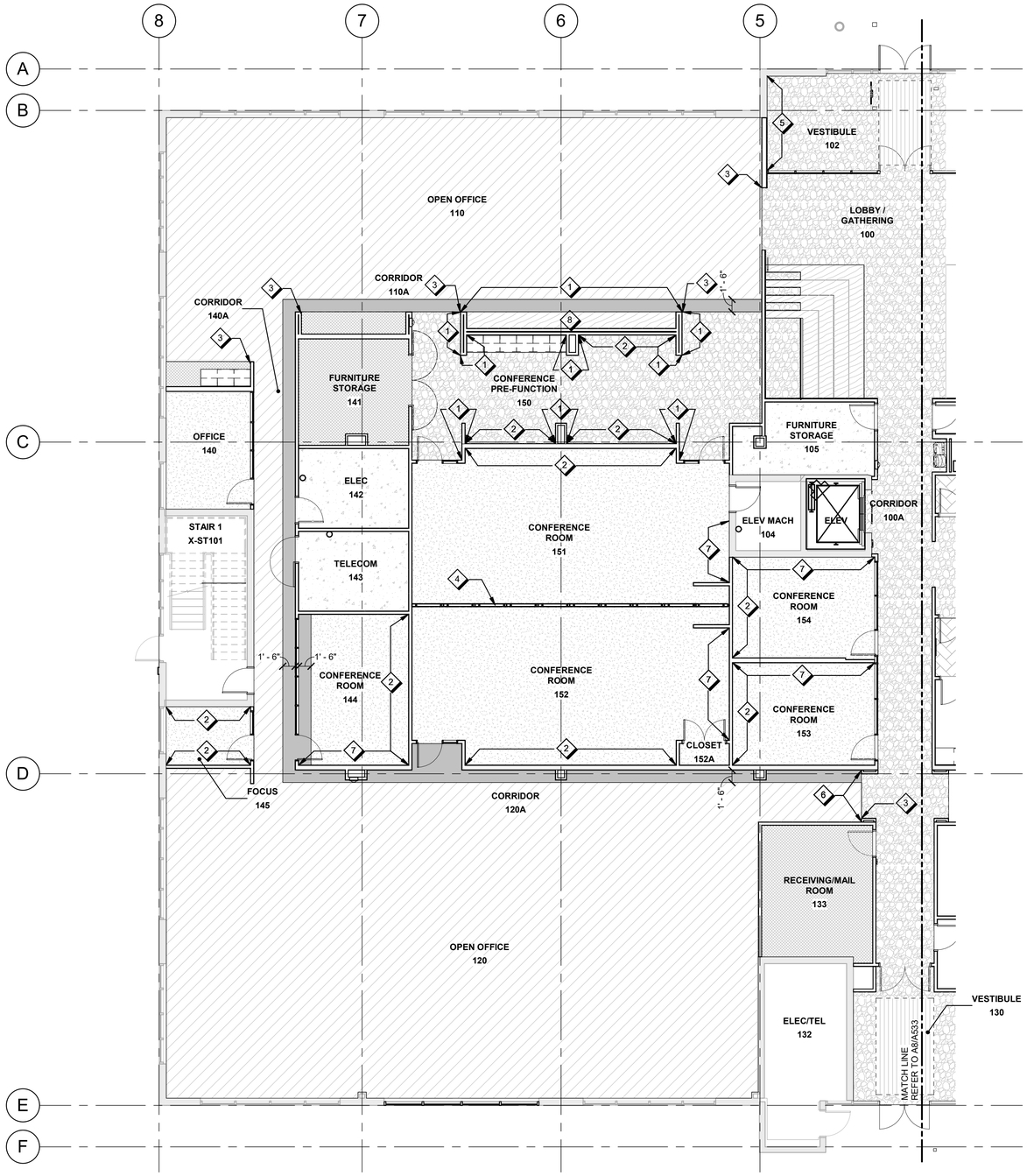
FIRST FLOOR FINISH PLAN - PART 1

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

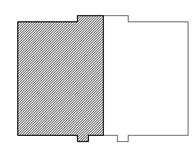
DESIGNED BY K. MILLER
DRAWN BY K. MILLER
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022
JCN: 21001763
DRAWING NO. DCCA - D - ADM - A533
REV.

PLOT DATE/TIME: 4/13/2022 2:10:56 PM



A8 / A534 FIRST FLOOR FINISH PLAN - PART 2

1/8" = 1'-0"



PARTS PLAN

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO A530 THROUGH A531 FOR INTERIOR FINISH SCHEDULES, MATERIAL INFORMATION AND ABBREVIATION LEGEND.

B. FLOOR TRANSITIONS BETWEEN ROOMS TO OCCUR AT THE CENTERLINE OF DOOR UNLESS OTHERWISE NOTED. TRANSITIONS ARE NOT REQUIRED BETWEEN MATERIALS OF THE SAME THICKNESS.

C. WALLS TO BE PAINTED PT1 UNLESS OTHERWISE NOTED. WALLS TO HAVE EGGSHELL FINISH IN A 'NON-VOC' PAINT UNLESS OTHERWISE NOTED. PROVIDE ONE (1) PRIME COAT AND TWO (2) FINISH COATS OF PAINT.

D. WALLS TO RECEIVE WALL BASE RB1 UNLESS OTHERWISE NOTED.

E. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION INSTRUCTIONS. PREP ALL SURFACES AS REQUIRED.

F. REFER TO A120 THROUGH A124 FOR REFLECTED CEILING PLANS.

G. REFER TO A250 THROUGH A253 FOR INTERIOR ELEVATIONS AND DETAILS.

H. WINDOW SILLS TO BE SSM1, REFER TO A8/A615. WINDOWS TO RECEIVE WT1.

SHEET NOTES

1 WOOD WALL CLADDING EXTENTS, WWC1

2 ACOUSTICAL WALL PANEL AS SCHEDULED, AWP1

3 ALIGN FLOOR FINISH TRANSITION WITH FACE OF PARTITION

4 OPERABLE PARTITION OP1 AS SCHEDULED

5 ACOUSTICAL WALL PANEL AS SCHEDULED, AWP2

6 CONTINUE TERRAZZO BASE TZB1 TO INSIDE CORNER OF PARTITION AS SHOWN, BEGIN RUBBER BASE RB1 AT PERPENDICULAR PARTITION

7 MARKER BOARD MB1 AS SCHEDULED

8 PLYWOOD PLATFORM WITH WWC1, REFER TO C6/A253 FOR WWC1 EXTENTS. INSTALL WWC1 ON ALL EXPOSED SURFACES OF THE PLATFORM. DO NOT INSTALL UNDER LOCKERS.

LEGEND

CARPET TILE CPT1	RECESSED FLOOR GRILLE RFG1
CARPET TILE CPT2	SEALED CONCRETE SC1
CARPET TILE CPT3	TERRAZZO TZ1, TZS1
LUXURY VINYL TILE LVT1	WOOD FINISH WTR1, WWC1
PORCELAIN TILE PCT1	EXISTING TO REMAIN

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COMMONWEALTH OF VIRGINIA
KIMBERLY S. MILLER
Cert. No. 1060
03-11-2022
CERTIFIED INTERIOR DESIGNER

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR FINISH PLAN - PART 2

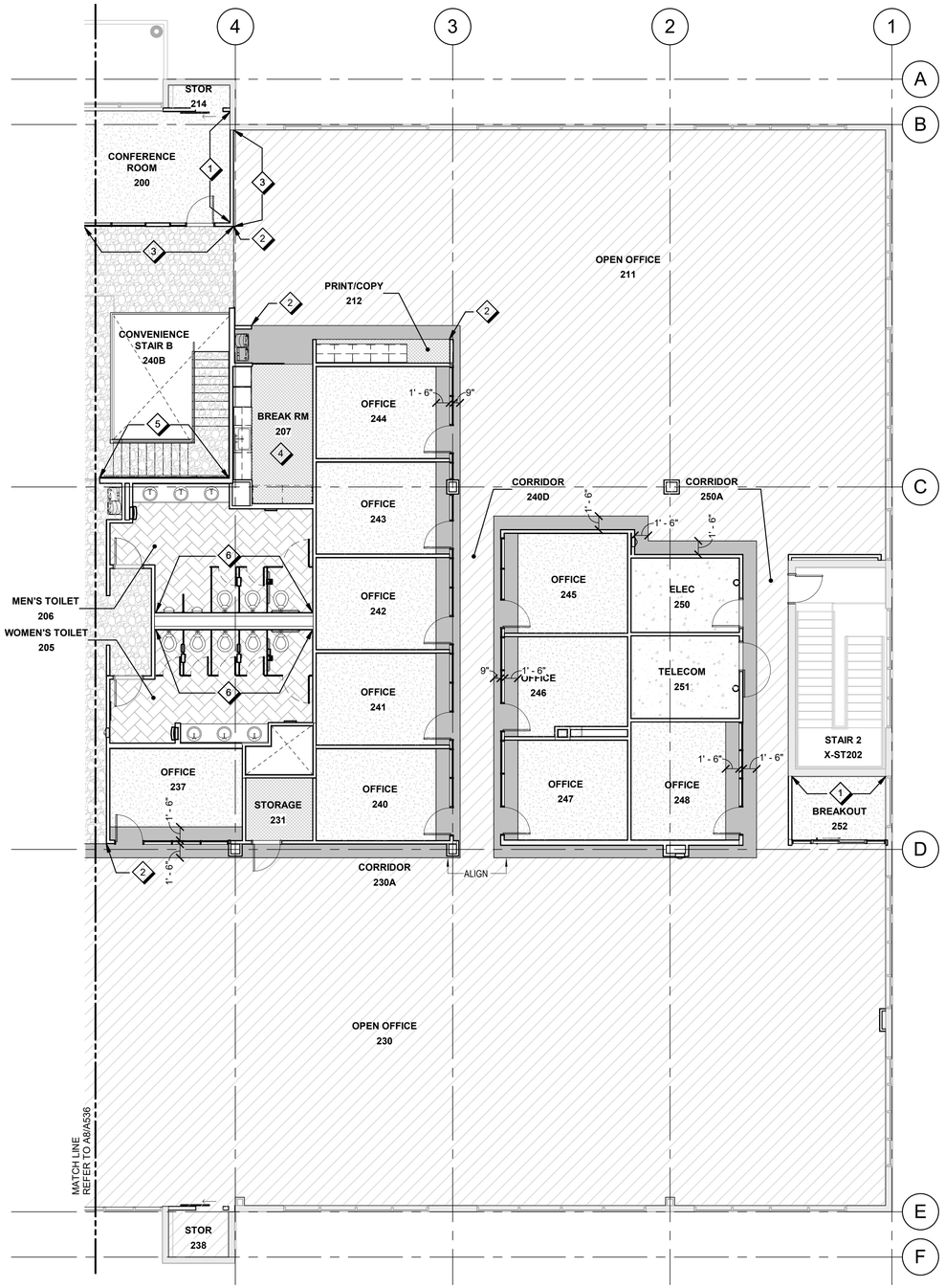
WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

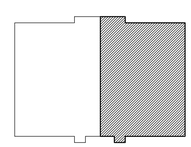
DESIGNED BY K. MILLER
DRAWN BY K. MILLER
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A534
REV.

PLOT DATE/TIME: 4/13/2022 2:17:49 PM



A8 / A535 SECOND FLOOR FINISH PLAN - PART 1

1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO A530 THROUGH A531 FOR INTERIOR FINISH SCHEDULES, MATERIAL INFORMATION AND ABBREVIATION LEGEND.

B. FLOOR TRANSITIONS BETWEEN ROOMS TO OCCUR AT THE CENTERLINE OF DOOR UNLESS OTHERWISE NOTED. TRANSITIONS ARE NOT REQUIRED BETWEEN MATERIALS OF THE SAME THICKNESS.

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D. WALLS TO RECEIVE WALL BASE RB1 UNLESS OTHERWISE NOTED.

E. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION INSTRUCTIONS. PREP ALL SURFACES AS REQUIRED.

F. REFER TO A120 THROUGH A124 FOR REFLECTED CEILING PLANS.

G. REFER TO A250 THROUGH A253 FOR INTERIOR ELEVATIONS AND DETAILS.

H. WINDOW SILLS TO BE SSM1, REFER TO A8/A615. WINDOWS TO RECEIVE WT1.

SHEET NOTES

1 ACOUSTICAL WALL PANEL AS SCHEDULED, AWP1

2 ALIGN FLOOR FINISH TRANSITION WITH FACE OF PARTITION

3 WOOD WALL PANEL WWP1 EXTENTS, CONTINUE TERRAZZO BASE TZB1 BELOW

4 LVT1 FLOOR FINISH TO BE INSTALLED IN HERRINGBONE PATTERN

5 ACOUSTICAL WALL PANEL AS SCHEDULED, AWP2

6 PORCELAIN WALL TILE PWT1 EXTENTS

LEGEND

- CARPET TILE CPT1
- CARPET TILE CPT2
- CARPET TILE CPT3
- LUXURY VINYL TILE LVT1
- PORCELAIN TILE PCT1
- RECESSED FLOOR GRILLE RFG1
- SEALED CONCRETE SC1
- TERRAZZO TZ1, TZS1
- WOOD FINISH WTR1, WWC1
- EXISTING TO REMAIN

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COMMONWEALTH OF VIRGINIA
KIMBERLY S. MILLER
Cert. No. 1060
03-11-2022
CERTIFIED INTERIOR DESIGNER

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

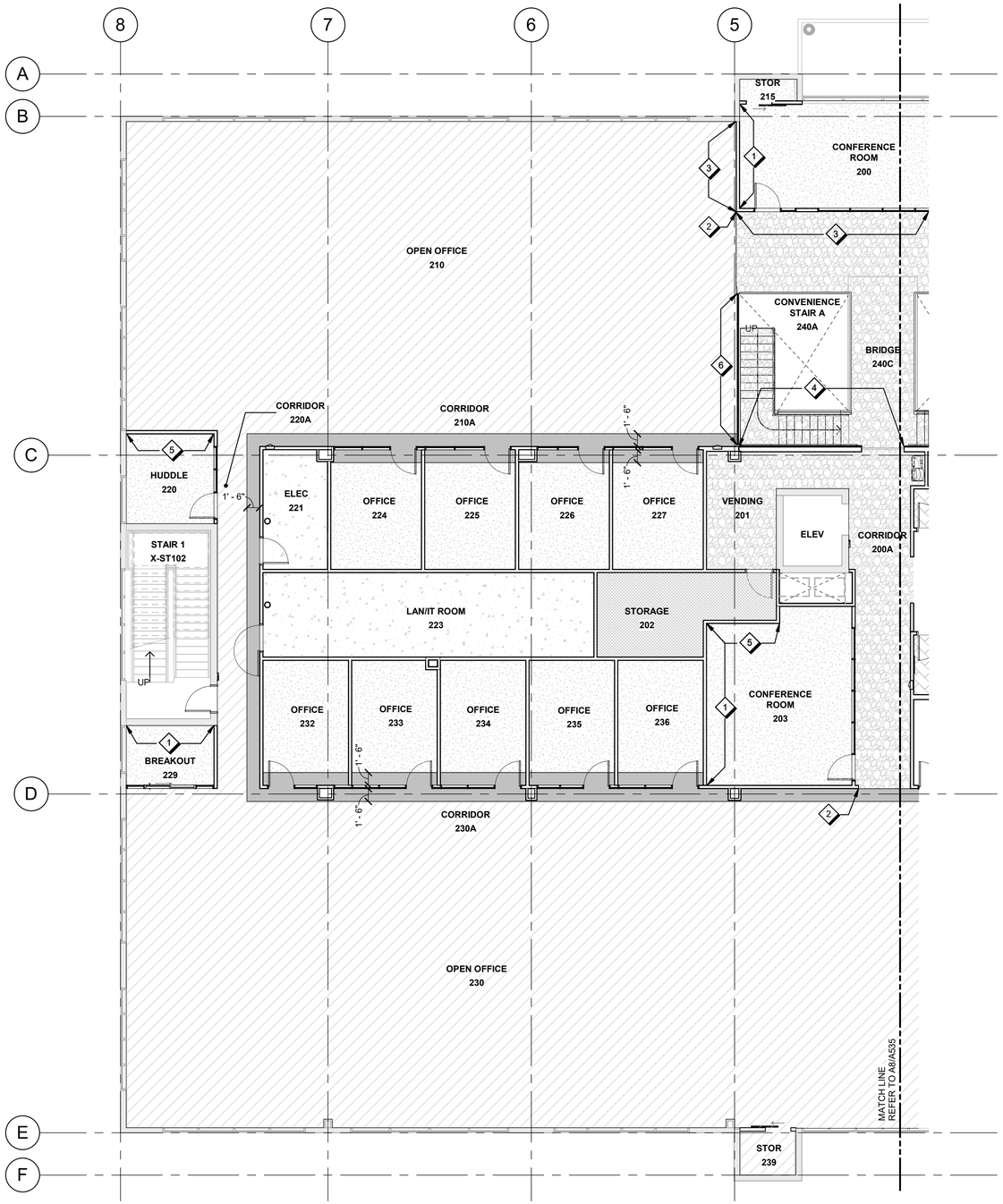
SECOND FLOOR FINISH PLAN - PART 1

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY K. MILLER
DRAWN BY K. MILLER
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A535 REV.

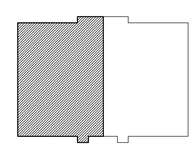
PLOT DATE/TIME: 4/13/2022 2:11:00 PM



A8 SECOND FLOOR FINISH PLAN - PART 2

A536

1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO A530 THROUGH A531 FOR INTERIOR FINISH SCHEDULES, MATERIAL INFORMATION AND ABBREVIATION LEGEND.

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F. REFER TO A120 THROUGH A124 FOR REFLECTED CEILING PLANS.

G. REFER TO A250 THROUGH A253 FOR INTERIOR ELEVATIONS AND DETAILS.

H. WINDOW SILLS TO BE SSM1, REFER TO A8/A615. WINDOWS TO RECEIVE WT1.

SHEET NOTES

1 ACOUSTICAL WALL PANEL AS SCHEDULED, AWP1

2 ALIGN FLOOR FINISH TRANSITION WITH FACE OF PARTITION

3 WOOD WALL PANEL WWP1 EXTENTS, CONTINUE TERRAZZO BASE TZB1 BELOW

4 ACOUSTICAL WALL PANEL AS SCHEDULED, AWP2

5 MARKER BOARD MB1 AS SCHEDULED

6 GLAZING FILM GF1 AS SCHEDULED

LEGEND

CARPET TILE CPT1	RECESSED FLOOR GRILLE RFG1
CARPET TILE CPT2	SEALED CONCRETE SC1
CARPET TILE CPT3	TERRAZZO TZ1, TZS1
LUXURY VINYL TILE LVT1	WOOD FINISH WTR1, WWC1
PORCELAIN TILE PCT1	EXISTING TO REMAIN

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SUITE 500
ARLINGTON, VA 22201

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COMMONWEALTH OF VIRGINIA
KIMBERLY S. MILLER
Cert. No. 1060
03-11-2022
CERTIFIED INTERIOR DESIGNER

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

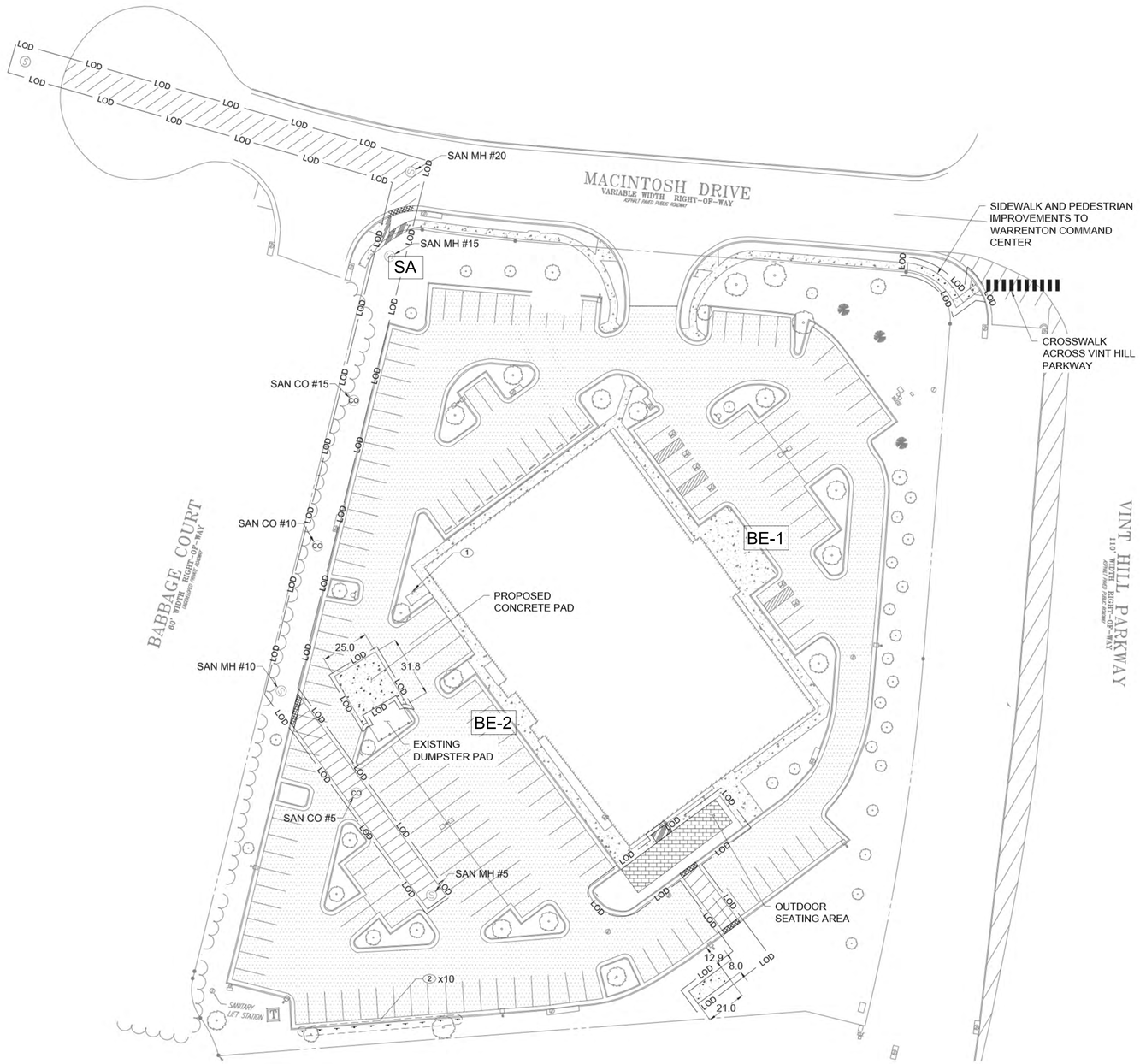
SECOND FLOOR FINISH PLAN - PART 2

WARRENTON — DCCA ADM — VA

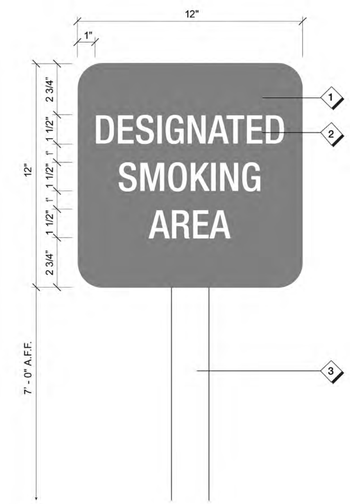
REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY K. MILLER
DRAWN BY K. MILLER
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A536 REV.

PLOT DATE/TIME: 4/13/2022 2:11:04 PM



A8 / A540 **SIGNAGE SITE PLAN**
NOT TO SCALE



C4 / A540 **SIGN TYPE SA**
NOT TO SCALE

GENERAL SHEET NOTES

A. ALL SIGNAGE MUST COMPLY WITH UFC 3-120-01 STANDARDS AND NFPA 101 REQUIREMENTS.

B. KNOWN SIGNAGE IS DOCUMENTED ON THESE DRAWINGS. VERIFY AND PROVIDE ANY ADDITIONAL REGULATORY SIGNAGE/GRAPHICS REQUIRED BY LOCAL CODE.

SHEET NOTES

1. 1/8" PAINTED ALUMINUM SIGN WITH PAINTED BACKGROUND TO MATCH MP 20303 DARK BRONZE METALLIC.
2. PAINTED 1-1/2" TALL WHITE LETTERS.
3. 2" SQUARE WHITE PAINTED ALUMINUM POST WITH 7'-0" CLEARANCE TO THE BOTTOM OF SIGN.

EXTERIOR SIGNAGE LEGEND

INDICATES EXTERIOR SIGNAGE → BE-1

EXTERIOR SIGNAGE SCHEDULE

SIGN TYPE	SIGN MESSAGE
BE-1	(FAA SEAL) WARRENTON ADMINISTRATIVE BUILDING
BE-2	(FAA SEAL) STAFF ONLY
SA	DESIGNATED SMOKING AREA

N
KEY NORTH

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

LICENSED ARCHITECT No. 16412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

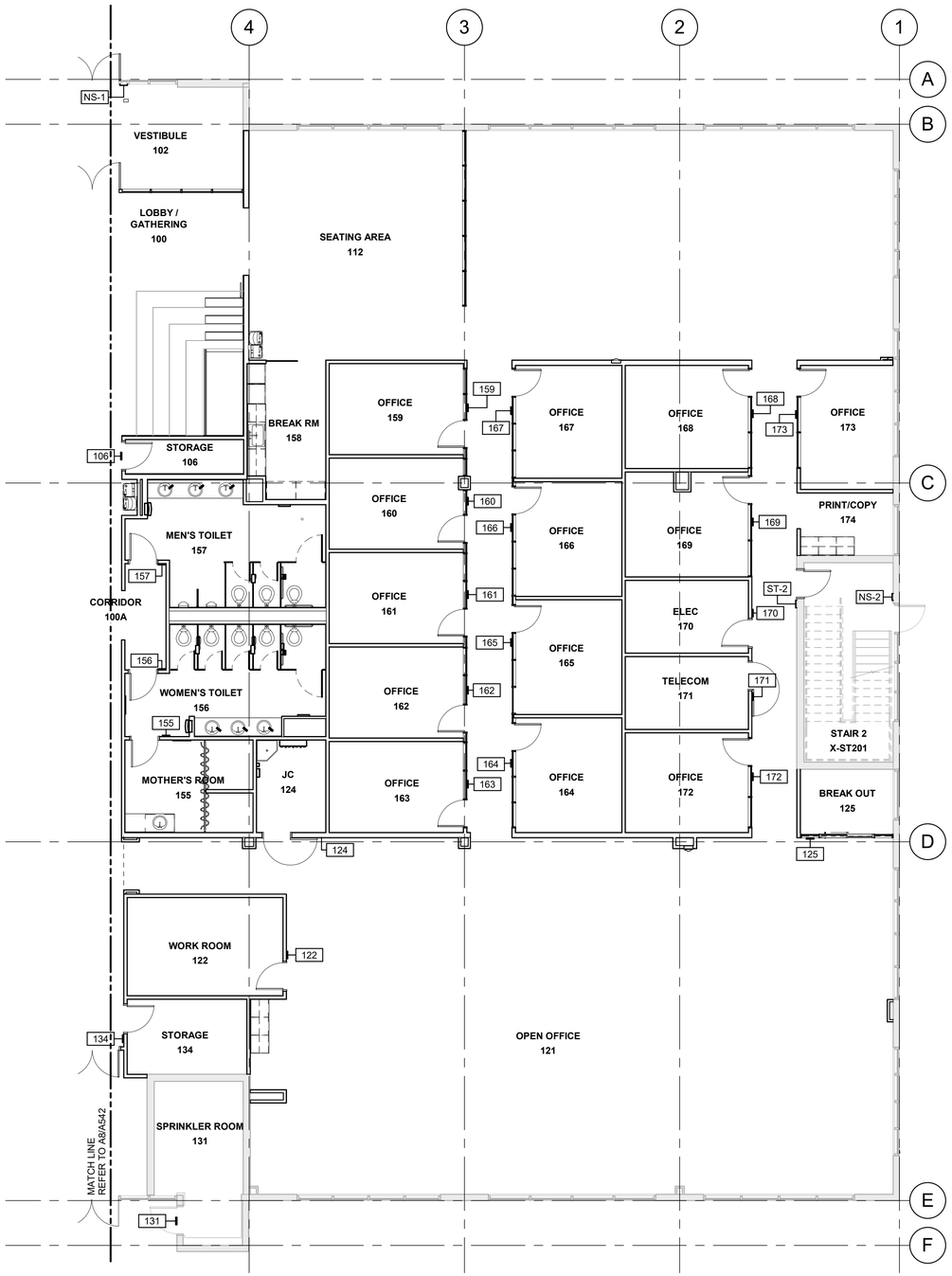
SIGNAGE SITE PLAN

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

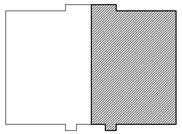
DESIGNED BY J. CHERUNDOLO
DRAWN BY J. CHERUNDOLO
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A540
REV.

PLOT DATE/TIME: 3/9/2022 12:59:46 PM



A8 / A541 FIRST FLOOR SIGNAGE PLAN - PART 1

1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. SIGNAGE LOCATIONS/PLACEMENT MUST MEET ABA REQUIREMENTS.

B. ALL SIGNAGE MUST COMPLY WITH UFC 3-120-01 STANDARDS AND NFPA 101 REQUIREMENTS.

C. ROOM NAMES AND NUMBERS SHOWN ON PLANS ARE FOR CONSTRUCTION PURPOSES, NOT NECESSARILY THE USER'S PREFERRED SYSTEM. COORDINATE ALL ROOM NUMBERS AND VERBIAGE FOR SIGNS WITH CONTRACTING OFFICER'S REPRESENTATIVE (COR) PRIOR TO FABRICATION.

D. KNOWN SIGNAGE IS DOCUMENTED ON THESE DRAWINGS. VERIFY AND PROVIDE ANY ADDITIONAL REGULATORY SIGNAGE/GRAPHICS REQUIRED BY LOCAL CODE.

E. MOUNT ALL LIKE-SIGNS AT THE SAME HEIGHT.

F. PROVIDE 18" X 18" CLEAR FLOOR SPACE CENTERED IN FRONT OF ALL SIGNS WITH TACTILE LETTERS/NUMBERS.

G. REFER TO A548 FOR INTERIOR SIGNAGE SCHEDULE AND A546 FOR INTERIOR SIGNAGE DETAILS.

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03.11.2022

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR SIGNAGE PLAN - PART 1

WARRENTON DCCA ADM VA

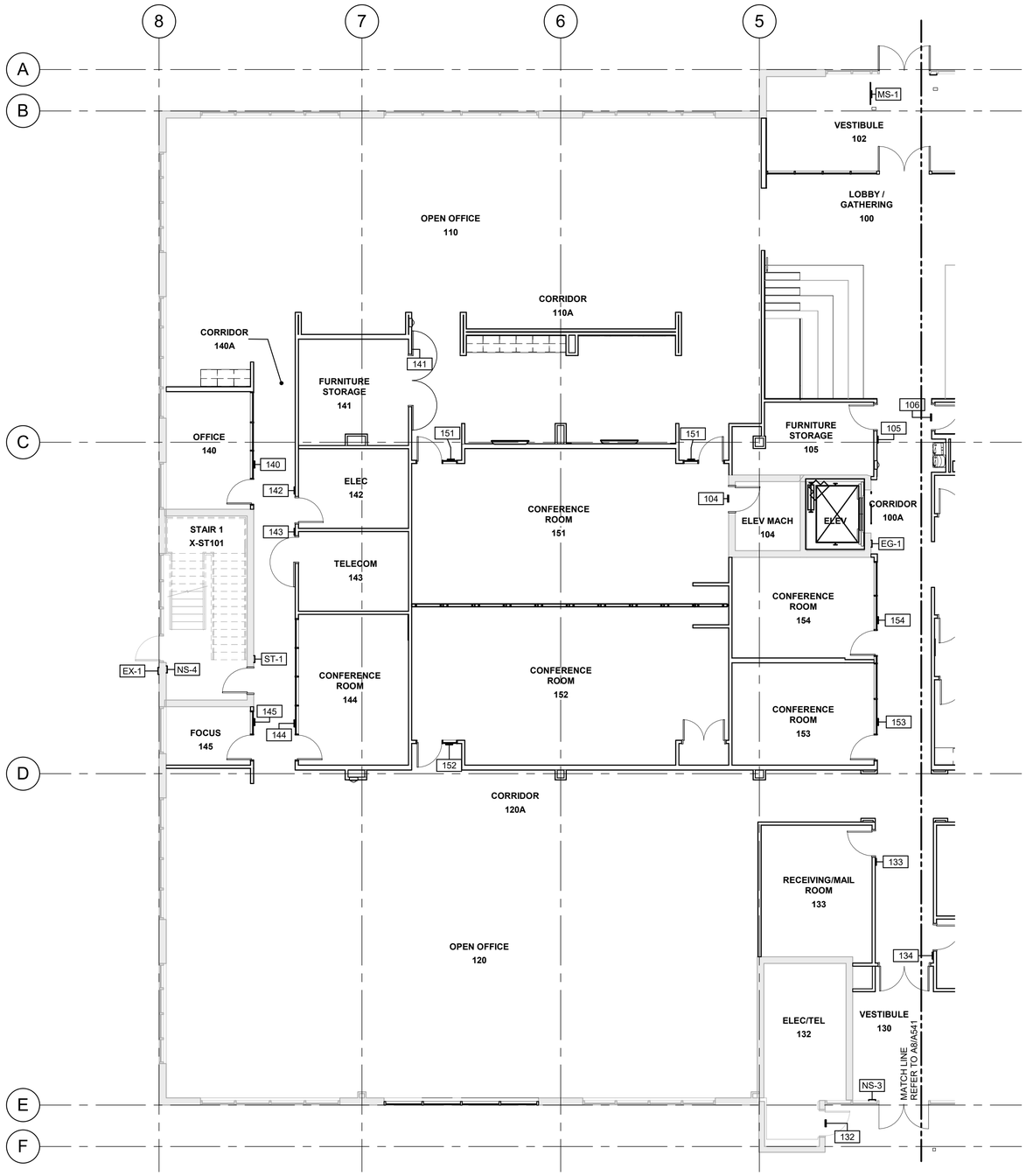
Jacobs

DCCA ADM
WARRENTON, VA

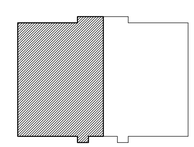
REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY J. CHERUNDOLO
DRAWN BY J. CHERUNDOLO
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A541 REV.

PLOT DATE/TIME: 4/13/2022 12:20:34 PM



A8
A542
FIRST FLOOR SIGNAGE PLAN - PART 2
1/8" = 1'-0"



PARTS PLAN

8 0 8 16
Scale: 1/8 INCH = 1 FOOT

N
KEY NORTH

GENERAL SHEET NOTES

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C. ROOM NAMES AND NUMBERS SHOWN ON PLANS ARE FOR CONSTRUCTION PURPOSES, NOT NECESSARILY THE USER'S PREFERRED SYSTEM. COORDINATE ALL ROOM NUMBERS AND VERBIAGE FOR SIGNS WITH CONTRACTING OFFICER'S REPRESENTATIVE (COR) PRIOR TO FABRICATION.

D. KNOWN SIGNAGE IS DOCUMENTED ON THESE DRAWINGS. VERIFY AND PROVIDE ANY ADDITIONAL REGULATORY SIGNAGE/GRAPHICS REQUIRED BY LOCAL CODE.

E. MOUNT ALL LIKE-SIGNS AT THE SAME HEIGHT.

F. PROVIDE 18" X 18" CLEAR FLOOR SPACE CENTERED IN FRONT OF ALL SIGNS WITH TACTILE LETTERS/NUMBERS.

G. REFER TO A548 FOR INTERIOR SIGNAGE SCHEDULE AND A546 FOR INTERIOR SIGNAGE DETAILS.

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

LICENSED ARCHITECT
No. 15412
ALAN N. FLORA
STATE OF MARYLAND
03.11.2022

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR SIGNAGE PLAN - PART 2

WARRENTON — DCCA ADM — VA

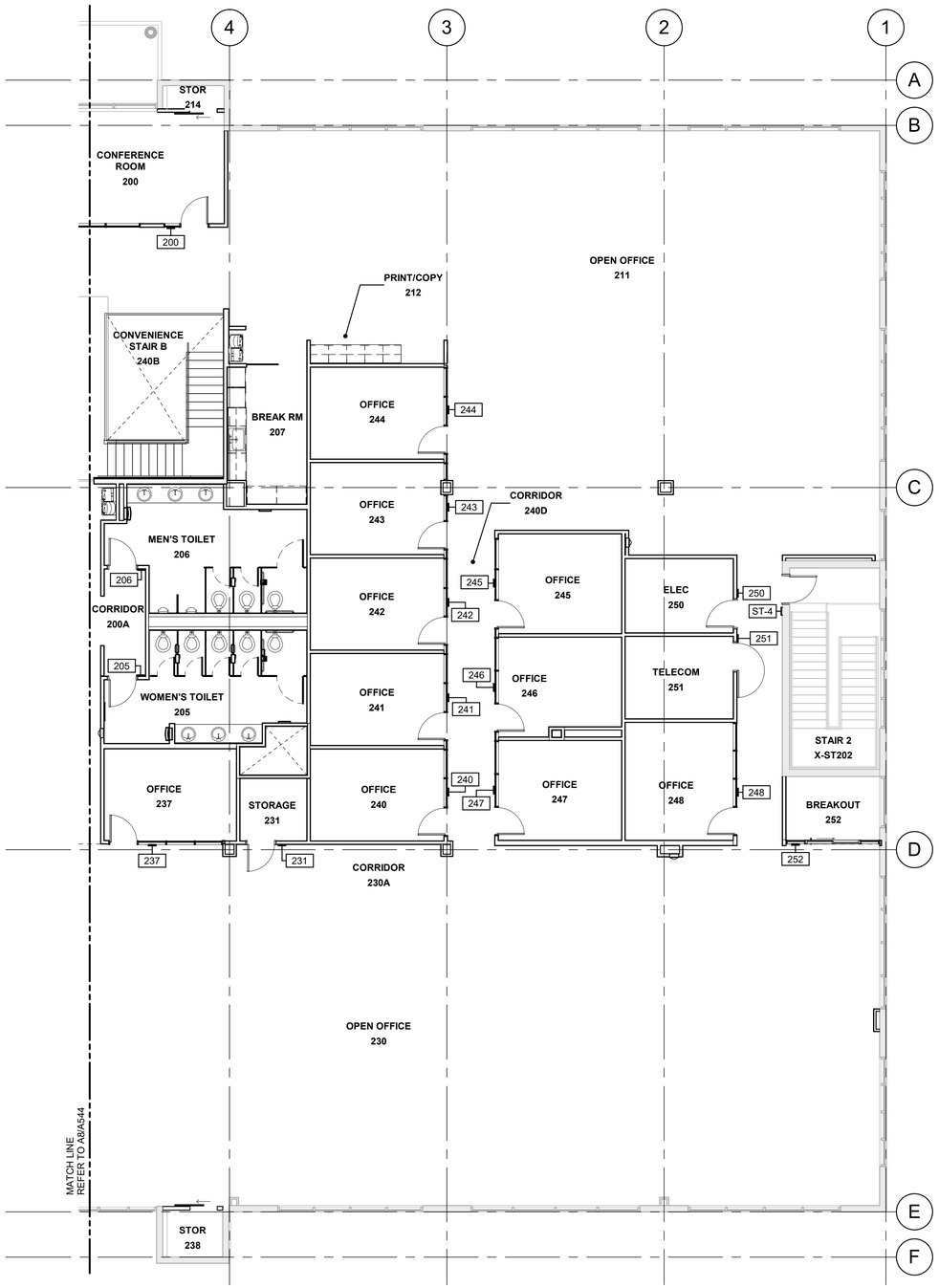
REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY J. CHERUNDOLO
DRAWN BY J. CHERUNDOLO
CHECKED BY K. CHARBONEAU

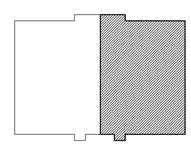
ISSUED BY: ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 | JCN: 21001763
DRAWING NO. DCCA - D - ADM - A542 | REV.

PLOT DATE/TIME: 4/13/2022 11:10:29 AM



A8
A543
SECOND FLOOR SIGNAGE PLAN - PART 1
1/8" = 1'-0"



PARTS PLAN

8 0 8 16
Scale: 1/8 INCH = 1 FOOT

N
KEY NORTH

GENERAL SHEET NOTES

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LICENSED ARCHITECT
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ALAN N. FLORA
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JACOBS
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SUITE 500
ARLINGTON, VA 22201

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR SIGNAGE PLAN - PART 1

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

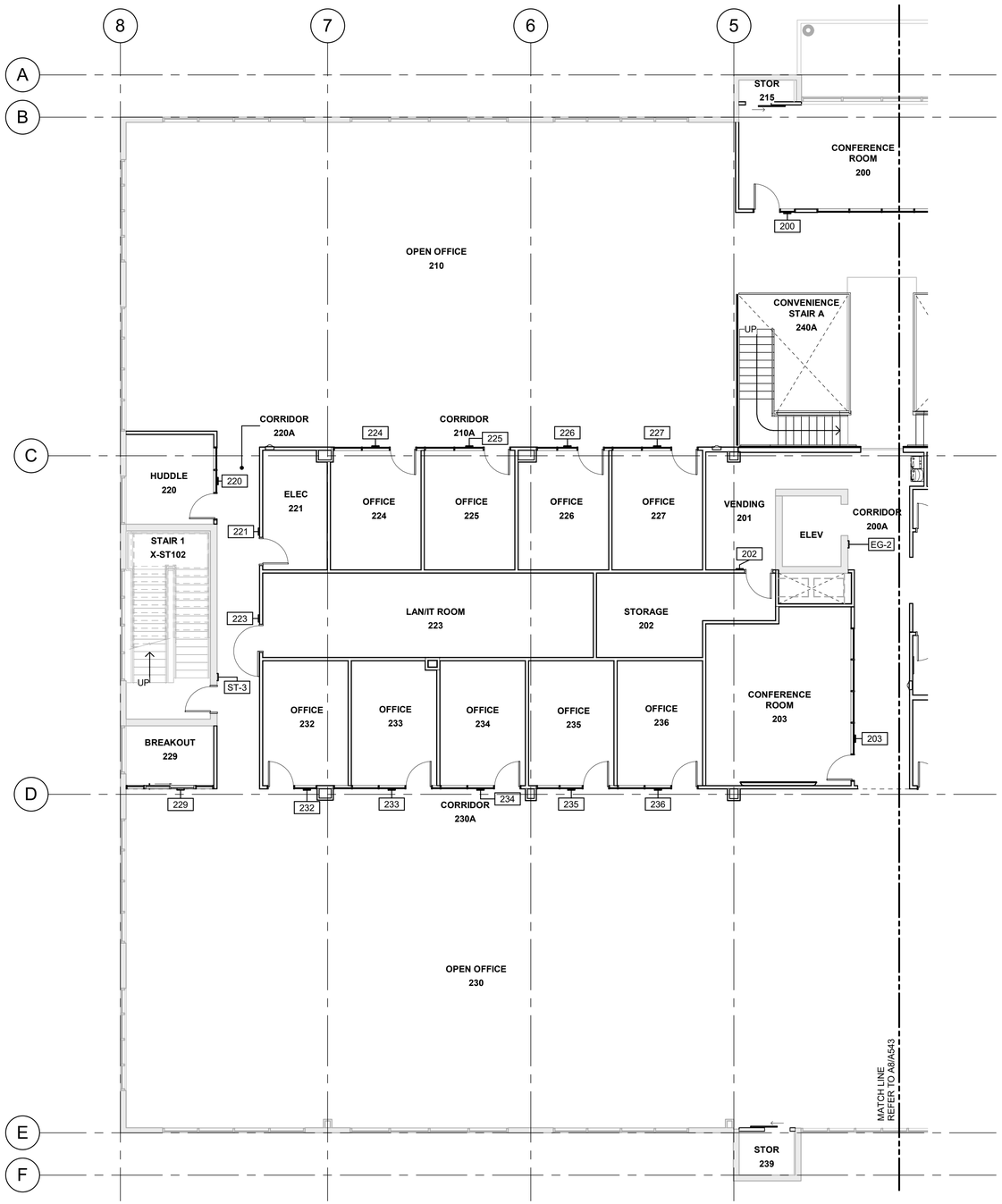
DCCA ADM
WARRENTON, VA

DESIGNED BY J. CHERUNDOLO
DRAWN BY J. CHERUNDOLO
CHECKED BY K. CHARBONEAU

ISSUED BY
ENGINEERING SERVICES TERMINAL

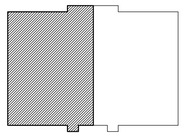
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A543
REV.

PLOT DATE/TIME: 3/9/2022 1:00:02 PM



A8 SECOND FLOOR SIGNAGE PLAN - PART 2

A544 1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

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03.11.2022

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR SIGNAGE PLAN - PART 2

WARRENTON DCCA ADM VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

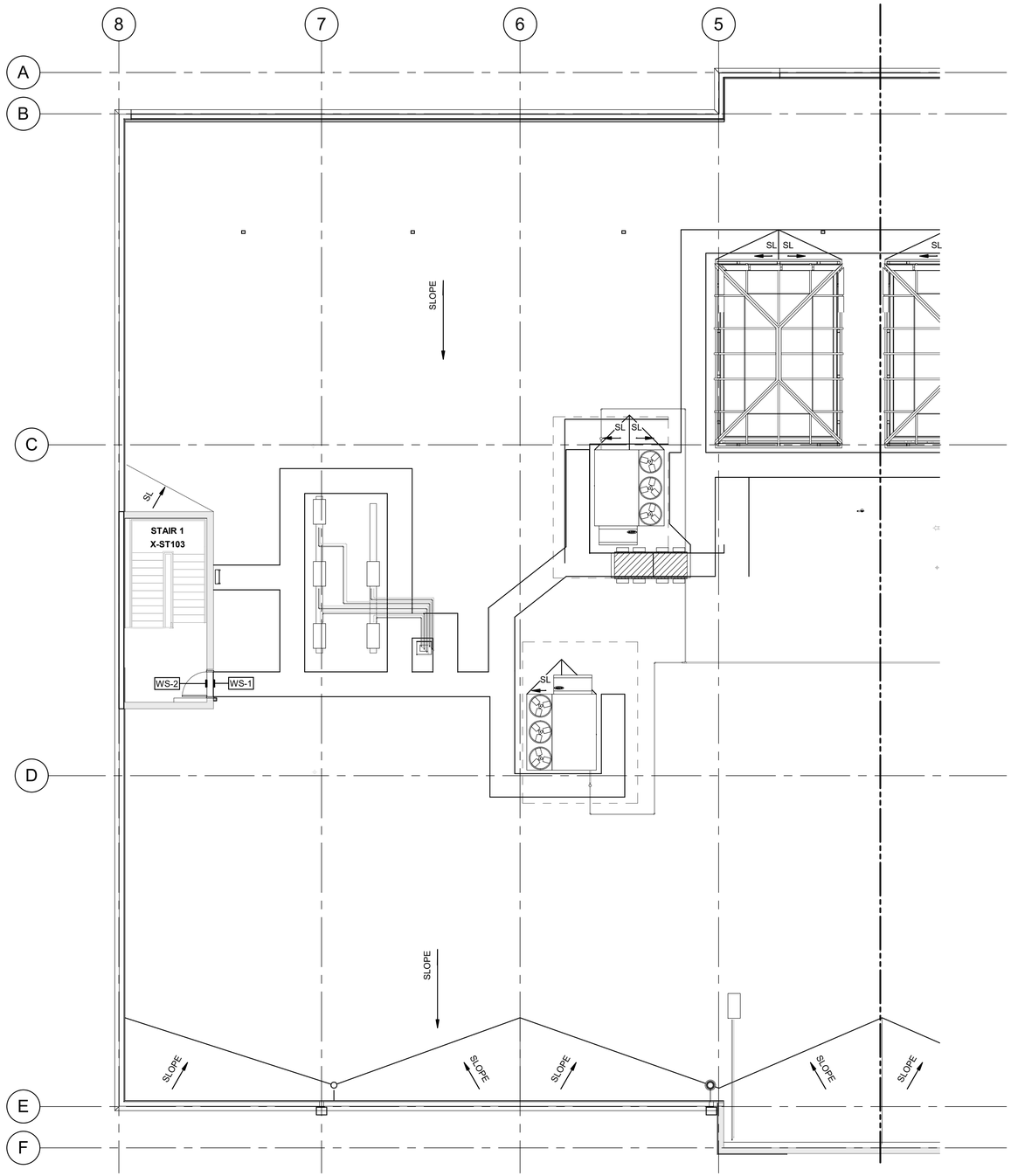
DCCA ADM
WARRENTON, VA

DESIGNED BY J. CHERUNDOLO
DRAWN BY J. CHERUNDOLO
CHECKED BY K. CHARBONEAU

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A544 REV.

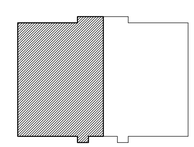
PLOT DATE/TIME: 3/9/2022 1:00:10 PM



A8 ROOF SIGNAGE PLAN - PART 2

A545

1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

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DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ROOF SIGNAGE PLAN - PART 2

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY

SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

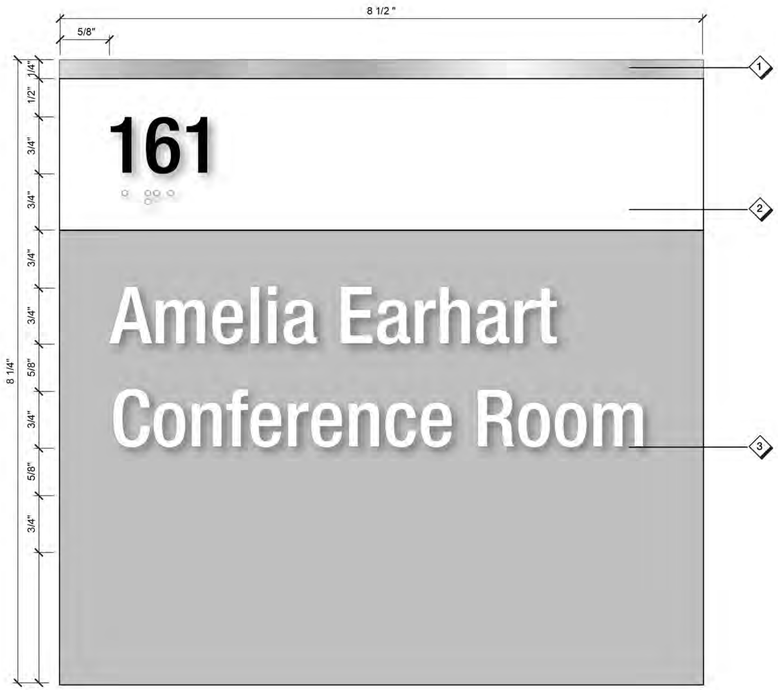
DESIGNED BY J.CHERUNDOLO
DRAWN BY J.CHERUNDOLO
CHECKED BY K. CHARBONEAU

ISSUED BY ENGINEERING SERVICES TERMINAL

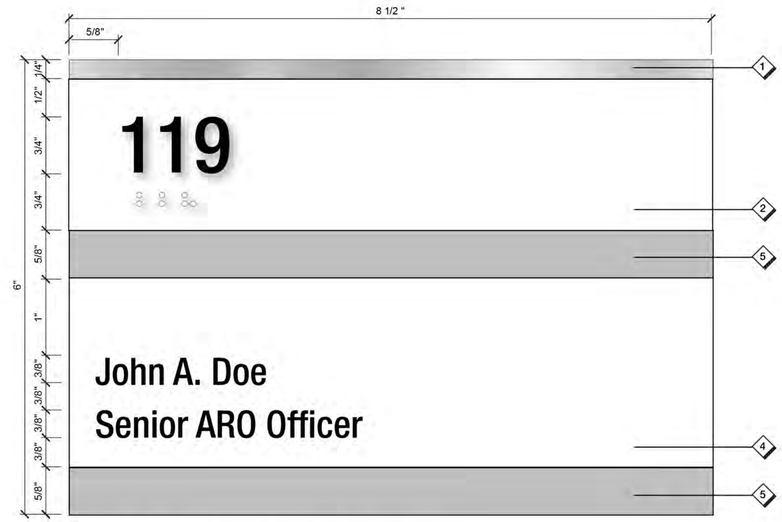
DATE 03/11/2022 JCN: 21001763

DRAWING NO. DCCA - D - ADM - A545 REV.

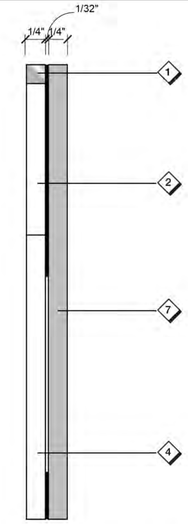
PLOT DATE/TIME: 3/9/2022 1:00:23 PM



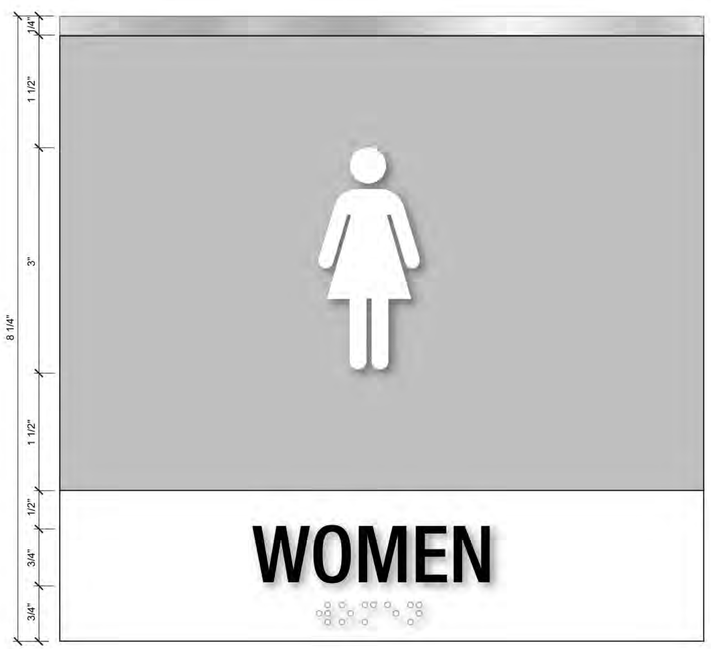
E8 A545 **SIGN TYPE CR (Conference Room Sign)**
FULL SCALE



F5 A545 **SIGN TYPE OS (Office Sign)**
FULL SCALE

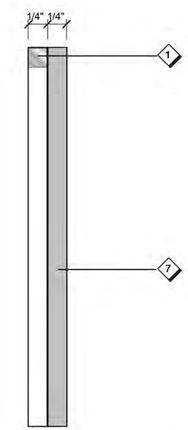


F3 A545 **SIGN TYPE OS Details**
FULL SCALE



A8 A545 **SIGN TYPE RR (Restroom), TYPE ST (Stair) Similar**
FULL SCALE

C5 A545 **SIGN TYPE SR (Support Room Sign)**
FULL SCALE



C3 A545 **SIGN TYPE SR, RR, CR Details**
FULL SCALE

D2 A545 **SIGN TYPE WS (Warning Sign)**
SCALE: 3" = 1'-0"

A5 A545 **SIGN TYPE NS (Non Smoking Sign)**
FULL SCALE

SHEET NOTES

1. BRUSH ALUMINUM ACCENT TOP TRIM.
2. SUB-SURFACE WHITE PAINTED 1/4" FROSTED P95 FINISH NON-GLARE ACRYLIC WITH ENGRAVED AND RAISED CUT OUT BLACK LETTERS AND CLEAR RASTER GRADE 2 BRAILLE.
3. SUB-SURFACE LITE GREY PAINTED 1/4" FROSTED P95 FINISH NON-GLARE ACRYLIC WITH ENGRAVED AND RAISED CUT OUTACRYLIC WITH ENGRAVED AND RAISED CUT OUT ALUMINUM SYMBOL AND LETTERS AND CLEAR RASTER GRADE 2 BRAILLE FOR SUPPORT ROOM SIGN.
4. SUB-SURFACE WHITE PAINTED 1/4" CLEAR P99 FINISH NON-GLARE ACRYLIC WINDOW WITH 1/32" CLEARANCE FOR PAPER INSERT.
5. FIRST SURFACE PAINTED ACRYLIC COLOR BAND.
6. CUT OUT AND APPLIED REFLECTIVE WHITE VINYL SYMBOL AND LETTERINGS APPLY TO WINDOW.
7. 1/4" ACRYLIC BACKER PANEL MOUNTED TO WALL WITH VHS DOUBLE-FACED TAPE AND SILICONE ADHESIVE. WHITE VINYL BACK COVER FOR WINDOW APPLICATION.
8. 1/8" PAINTED ALUMINUM SIGN APPLIED TO DOOR.

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LICENSED ARCHITECT No.15412 ALAN N. FLORIO STATE OF MARYLAND
03.11.2022

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

Jacobs

DCCA ADM
WARRENTON, VA

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

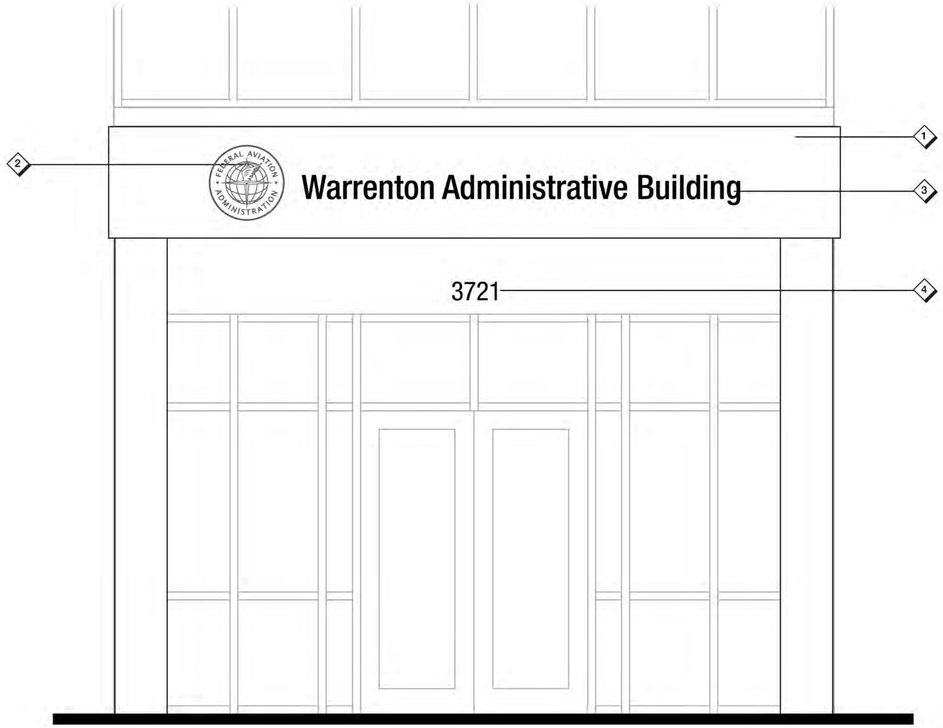
SIGNAGE DETAILS

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

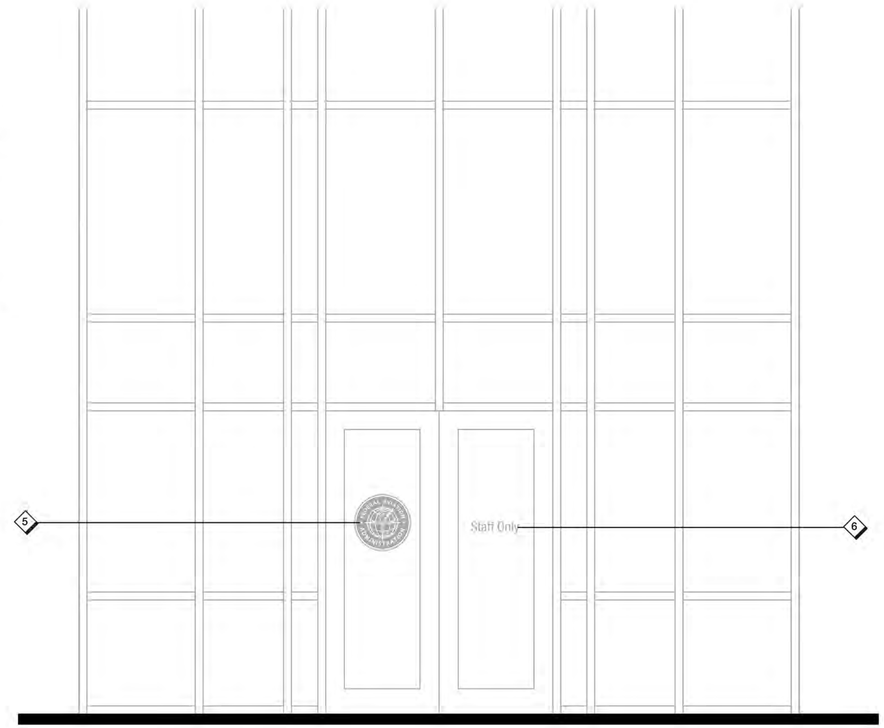
DESIGNED BY J. CHERUNDOLO
DRAWN BY J. CHERUNDOLO
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A546
REV.

PLOT DATE/TIME: 3/9/2022 2:21:41 PM



C8 / A546 SIGN TYPE BE-1 (Building Front Entrance Sign)

SCALE: 1/2" = 1'-0"

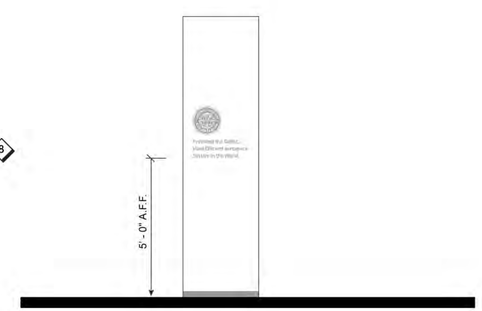


C5 / A546 SIGN TYPE BE-2 (Building Back Entrance Sign)

SCALE: 1/2" = 1'-0"

A8 / A546 SIGN TYPE MS (Mission Statement Sign)

SCALE: 3" = 1'-0"



A5 / A546 SIGN TYPE MS Elevation

SCALE: 1/2" = 1'-0"

SHEET NOTES

1. NEW STAINLESS STEEL FASCIA OVERLAY TO MATCH EXISTING FINISH. VERIFY EXISTING DIMENSIONS IN FIELD.
2. 1/4" THICK AND 24" DIA. ETCHED AND BLACK FILLED BRUSHED STAINLESS FAA SEAL.
3. 1/4" THICK AND 8" TALL CUT OUT BRUSHED ALUMINUM LETTERS WITH BLACK ANODIZED FINISH PIN MOUNTED TO FASCIA.
4. 1/4" THICK AND 6" TALL CUT OUT BRUSHED ALUMINUM LETTERS WITH BLACK ANODIZED FINISH PIN MOUNTED TO FASCIA.
5. 18" DIA. REVERSE CUT OUT FROSTED VINYL SEAL APPLIED TO DOOR.
6. 3" TALL REVERSE CUT OUT FROSTED VINYL TEXT APPLIED TO DOOR.
7. 12" DIA. CUT OUT FROSTED VINYL SEAL APPLIED TO GLASS PANEL.
8. 1 1/2" TALL CUT OUT FROSTED VINYL TEXT APPLIED TO GLASS PANEL.

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SIGNAGE EXTERIOR ELEVATIONS

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

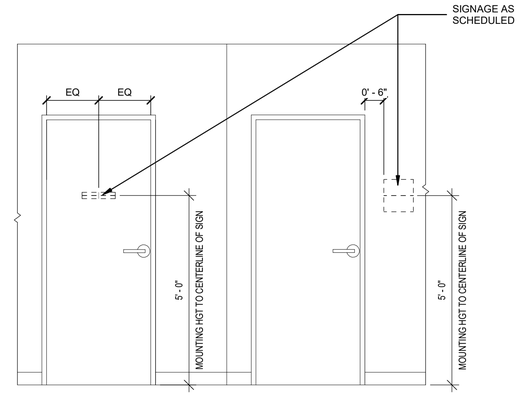
DCCA ADM
WARRENTON, VA

DESIGNED BY J. CHERUNDOLO
DRAWN BY J. CHERUNDOLO
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A547
REV.

PLOT DATE/TIME: 4/11/2022 11:30:16 AM

SIGNAGE SCHEDULE

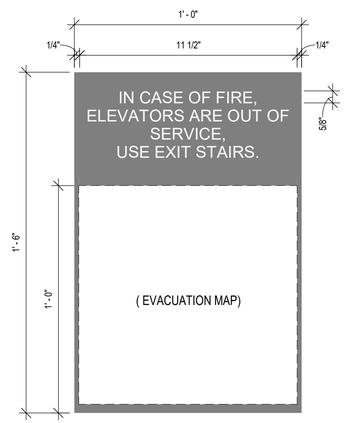
SIGN	ROOM NUMBER	ROOM NAME	SIGN TYPE	SIGN MESSAGE
104	104	ELEV MACH	SR	ELEVATOR MACHINE ROOM
105	105	FURNITURE STORAGE	SR	FURNITURE STORAGE
106	106	STORAGE	SR	STORAGE ROOM
122	122	WORK ROOM	SR	WORK ROOM
124	124	JC	SR	JANITOR'S CLOSET
125	125	BREAK OUT	SR	BREAKOUT
131	131	SPRINKLER ROOM	SR	SPRINKLER ROOM
132	132	ELEC/TEL	SR	ELEC/TEL
133	133	RECEIVING/MAIL ROOM	SR	MAIL ROOM
134	134	STORAGE	SR	STORAGE
140	140	OFFICE	OS	OFFICE/TBD
141	141	FURNITURE STORAGE	SR	FURNITURE STORAGE
142	142	ELEC	SR	ELECTRICAL CLOSET
143	143	TELECOM	SR	TELECOM
144	144	CONFERENCE ROOM	CR	CONFERENCE ROOM
145	145	FOCUS	SR	FOCUS
151	151	CONFERENCE ROOM	CR	CONFERENCE ROOM
152	152	CONFERENCE ROOM	CR	CONFERENCE ROOM
153	153	CONFERENCE ROOM	CR	CONFERENCE ROOM
154	154	CONFERENCE ROOM	CR	CONFERENCE ROOM
155	155	MOTHER'S ROOM	SR	MOTHER'S ROOM
156	156	WOMEN'S TOILET	RR	WOMEN
157	157	MEN'S TOILET	RR	MEN
159	159	OFFICE	OS	OFFICE/TBD
160	160	OFFICE	OS	OFFICE/TBD
161	161	OFFICE	OS	OFFICE/TBD
162	162	OFFICE	OS	OFFICE/TBD
163	163	OFFICE	OS	OFFICE/TBD
164	164	OFFICE	OS	OFFICE/TBD
165	165	OFFICE	OS	OFFICE/TBD
166	166	OFFICE	OS	OFFICE/TBD
167	167	OFFICE	OS	OFFICE/TBD
168	168	OFFICE	OS	OFFICE/TBD
169	169	OFFICE	OS	OFFICE/TBD
170	170	ELEC	SR	ELECTRICAL CLOSET
171	171	TELECOM	SR	TELECOM
172	172	OFFICE	OS	OFFICE/TBD
173	173	OFFICE	OS	OFFICE/TBD
200	200	CONFERENCE ROOM	CR	CONFERENCE ROOM
202	202	STORAGE	SR	STORAGE ROOM
203	203	CONFERENCE ROOM	CR	CONFERENCE ROOM
205	205	WOMEN'S TOILET	RR	WOMEN
206	206	MEN'S TOILET	RR	MEN
220	220	HUDDLE	SR	HUDDLE
221	221	ELEC	SR	ELECTRICAL CLOSET
223	223	LAN/IT ROOM	SR	LAN/IT ROOM
224	224	OFFICE	OS	OFFICE/TBD
225	225	OFFICE	OS	OFFICE/TBD
226	226	OFFICE	OS	OFFICE/TBD
227	227	OFFICE	OS	OFFICE/TBD
229	229	BREAKOUT	SR	BREAKOUT
231	231	STORAGE	SR	STORAGE ROOM
232	232	OFFICE	OS	OFFICE/TBD
233	233	OFFICE	OS	OFFICE/TBD
234	234	OFFICE	OS	OFFICE/TBD
235	235	OFFICE	OS	OFFICE/TBD
236	236	OFFICE	OS	OFFICE/TBD
237	237	OFFICE	OS	OFFICE/TBD
240	240	OFFICE	OS	OFFICE/TBD
241	241	OFFICE	OS	OFFICE/TBD
242	242	OFFICE	OS	OFFICE/TBD
243	243	OFFICE	OS	OFFICE/TBD
244	244	OFFICE	OS	OFFICE/TBD
245	245	OFFICE	OS	OFFICE/TBD
246	246	OFFICE	OS	OFFICE/TBD
247	247	OFFICE	OS	OFFICE/TBD
248	248	OFFICE	OS	OFFICE/TBD
250	250	ELEC	SR	ELECTRICAL CLOSET
251	251	TELECOM	SR	TELECOM
252	252	BREAKOUT	SR	BREAKOUT
EG-1	100A	CORRIDOR	EG	IN CASE OF FIRE, ELEVATORS ARE OUT OF SERVICE, USE EXIT STAIRS.
EG-2	200A	CORRIDOR	EG	IN CASE OF FIRE, ELEVATORS ARE OUT OF SERVICE, USE EXIT STAIRS.
EX-1	EXTERIOR	EXTERIOR	EX	STAIRWAY ACCESS TO ROOF
MS-1	102	VESTIBULE	MS	PROVIDING THE SAFEST, MOST EFFICIENT AEROSPACE SYSTEM IN THE WORLD
NS-1	102	VESTIBULE	NS	SMOKING IS PROHIBITED WITHIN 25 FEET OF BUILDING
NS-2	X-ST201	STAIR 2	NS	SMOKING IS PROHIBITED WITHIN 25 FEET OF BUILDING
NS-3	130	VESTIBULE	NS	SMOKING IS PROHIBITED WITHIN 25 FEET OF BUILDING
NS-4	X-ST101	STAIR 1	NS	SMOKING IS PROHIBITED WITHIN 25 FEET OF BUILDING
ST-1	X-ST101	STAIR 1	ST	STAIR 1
ST-2	X-ST201	STAIR 2	ST	STAIR 2
ST-3	X-ST103-ROOF	STAIR 1	ST	STAIR 1
ST-4	X-ST202	STAIR 2	ST	STAIR 2
WS-1	X-ST103	STAIR 1	WS	CAUTION - WATCH YOUR STEP
WS-2	X-ST103	STAIR 1	WS	CAUTION - WATCH YOUR STEP



TYPICAL SIGN MOUNTING AT DOOR
CR, NS, OS, RR, SR, ST TYPES TO BE MOUNTED 6" FROM LATCH SIDE OF DOOR JAMB. SR TO BE CENTERED ON DOOR WHERE APPLICABLE.

F5 / A548 TYPICAL SIGNAGE MOUNTING DIAGRAM

1/2" = 1'-0"

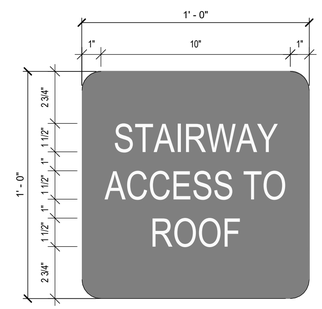


TEXT: HELVETICA NEUE 55 ROMAN, 5/8" CAPITAL LETTER HEIGHT, CENTERED. SIGN SUB-SURFACE TO BE PAINTED LITE GRAY WITH 1/4" FROSTED P95 FINISH. NON-GLARE ACRYLIC WITH ENGRAVED AND RAISED CUT OUT ALUMINUM LETTERS.

INSERT: REPLACEABLE EVACUATION MAP TO INCLUDE LOCATION OF STAIRS

C5 / A548 EGRESS SIGN EG

3" = 1'-0"



TEXT: HELVETICA NEUE 55 ROMAN, 1-1/2" CAPITAL LETTER HEIGHT, CENTERED. SIGN SUB-SURFACE TO BE PAINTED LITE GRAY WITH 1/4" FROSTED P95 FINISH. NON-GLARE ACRYLIC WITH ENGRAVED AND RAISED CUT OUT ALUMINUM LETTERS.

MOUNTED 5'-0" AFF TO BOTTOM OF SIGN.

PIN MOUNTED TO WALL 6" AWAY FROM DOOR JAM ON THE LATCH SIDE.

C4 / A548 EXTERIOR SIGN EX1

3" = 1'-0"

GENERAL SHEET NOTES

A. SIGNAGE LOCATIONS/PLACEMENT MUST MEET ABA REQUIREMENTS.

B. ALL SIGNAGE MUST COMPLY WITH UFC 3-120-01 STANDARDS AND NFPA 101 REQUIREMENTS.

C. ROOM NAMES AND NUMBERS SHOWN ON PLANS ARE FOR CONSTRUCTION PURPOSES, NOT NECESSARILY THE USER'S PREFERRED SYSTEM. COORDINATE ALL ROOM NUMBERS AND VERBIAGE FOR SIGNS WITH CONTRACTING OFFICER'S REPRESENTATIVE (COR) PRIOR TO FABRICATION.

D. KNOWN SIGNAGE IS DOCUMENTED ON THESE DRAWINGS. VERIFY AND PROVIDE ANY ADDITIONAL REGULATORY SIGNAGE/GRAPHICS REQUIRED BY LOCAL CODE.

E. MOUNT ALL LIKE-SIGNS AT THE SAME HEIGHT.

F. PROVIDE 18" X 18" CLEAR FLOOR SPACE CENTERED IN FRONT OF ALL SIGNS WITH TACTILE LETTERS/NUMBERS.

G. PROVIDE SNAP-IN SIGN MODULES OF INDICATED HEIGHT AND WIDTH WITH GRAPHICS AND FEATURES TO ACCOMMODATE LASER PRINTED MESSAGE CARDS.

H. ALL PERMANENT WORKSTATIONS (WITH PANELS) MUST BE PROVIDED WITH A SIGN. SIGNS AT WORKSTATIONS MUST BE PROVIDED WITH CLIPS FOR EASY ATTACHMENT TO WORKSTATION PANELS. WORKSTATION SIGNS ARE NOT LOCATED ON PLANS. COORDINATE LOCATION AND VERBIAGE WITH CONTRACTING OFFICER.

I. ENSURE THAT ALL SIGN INSERTS CAN BE EASILY REMOVED/REPLACED. CONSIDER INSTALLATION OF SIGNS IN TIGHT CORNERS AND ALCOVES/SIDELIGHTS TO ENSURE THAT SIGN INSERT IS ACCESSIBLE.

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

2 0 2 4
Scale: 1/2 INCH = 1 FOOT

LICENSED ARCHITECT No.15412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/VD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SIGNAGE SCHEDULE AND MOUNTING HEIGHTS

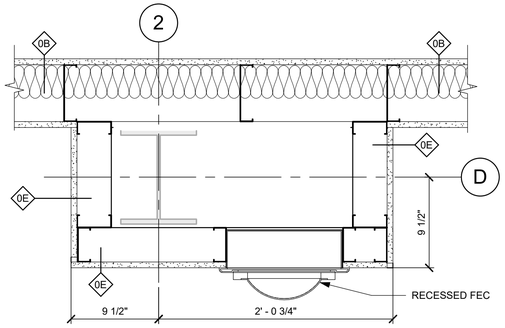
WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

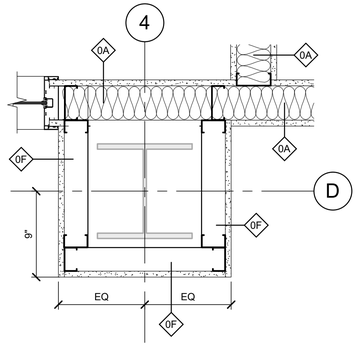
DCCA ADM
WARRENTON, VA

DESIGNED BY J. CHERUNDOLO
DRAWN BY J. CHERUNDOLO
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A548
REV.

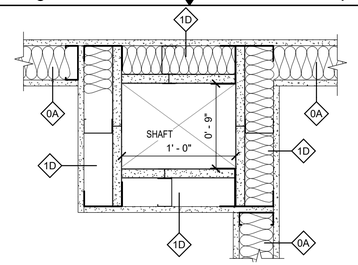
PLOT DATE/TIME: 4/13/2022 11:14:26 AM



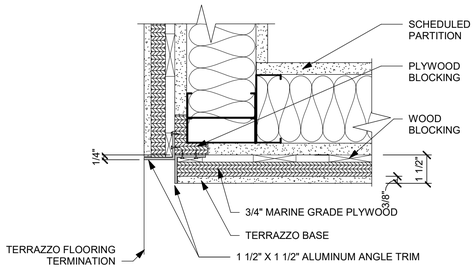
E8 A600 **PLAN DETAIL - COL D/2**
1 1/2" = 1'-0"



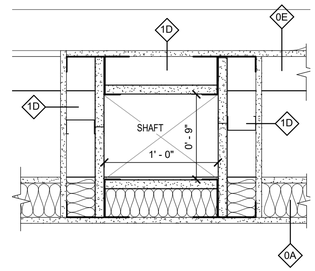
E6 A600 **PLAN DETAIL - COL D/4**
1 1/2" = 1'-0"



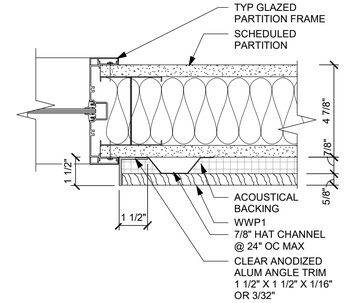
G4 A600 **PLAN DETAIL - SHAFT 2**
1 1/2" = 1'-0"



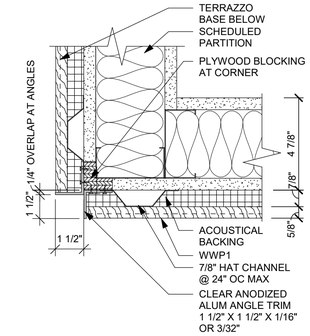
G3 A600 **TERRAZO BASE PLAN DETAIL**
3" = 1'-0"



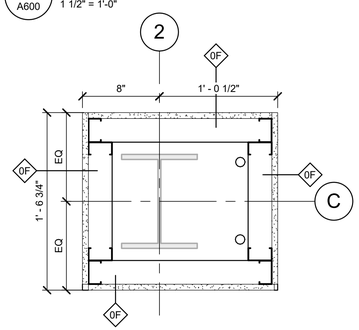
E4 A600 **PLAN DETAIL - SHAFT**
1 1/2" = 1'-0"



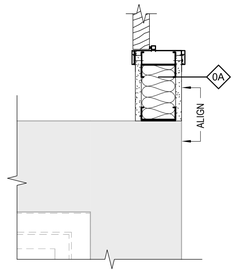
E3 A600 **HEAD AND JAMB DETAIL CONFERENCE ROOM 200**
3" = 1'-0"



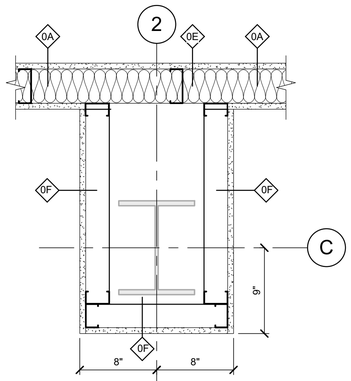
E2 A600 **CORNER OF CONFERENCE ROOM 200**
3" = 1'-0"



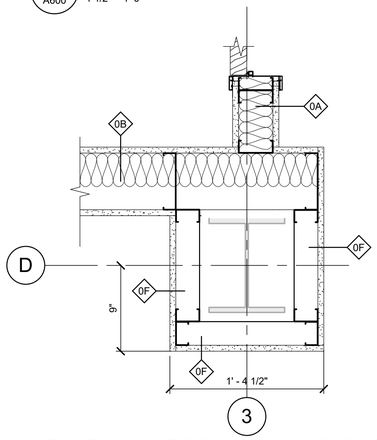
C8 A600 **PLAN DETAIL - AT COLUMN**
1 1/2" = 1'-0"



C6 A600 **PLAN DETAIL - STOREFRONT**
1 1/2" = 1'-0"



A8 A600 **PLAN DETAIL - C/2**
1 1/2" = 1'-0"



A6 A600 **PLAN DETAIL - COL D/3**
1 1/2" = 1'-0"

1 0 1
Scale: 1 1/2 INCH = 1 FOOT

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REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

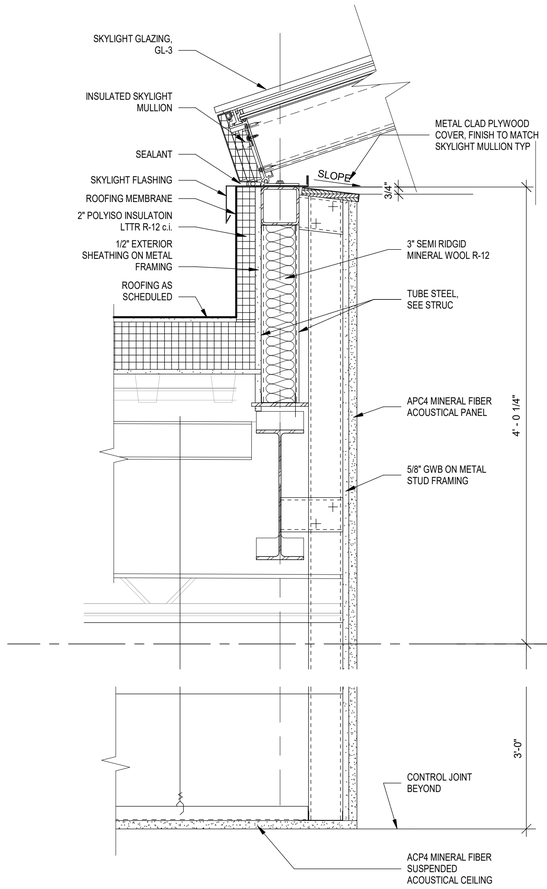
ENLARGED DETAILS

WARRENTON — DCCA ADM — VA

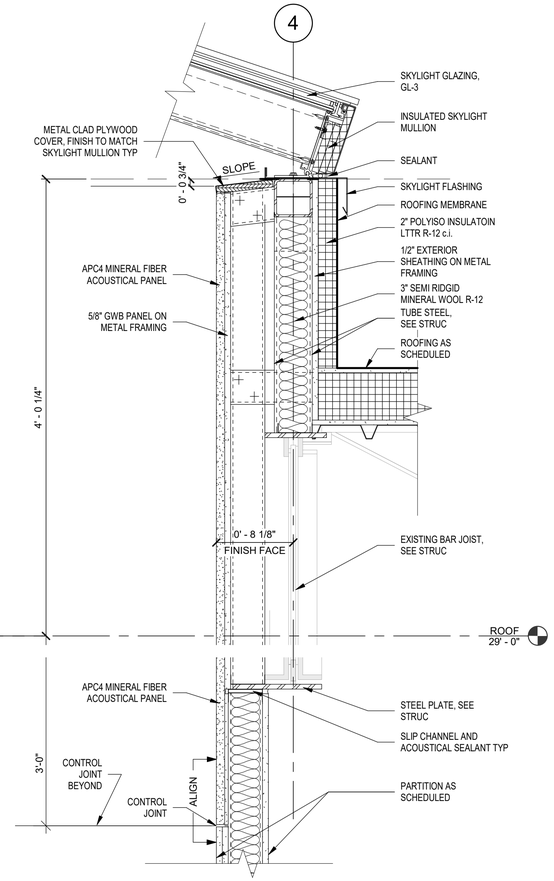
REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A600
REV.

PLOT DATE/TIME: 3/9/2022 1:00:42 PM



D8 A610 **SECTION DETAIL**
1 1/2" = 1'-0"



D6 A610 **SECTION DETAIL**
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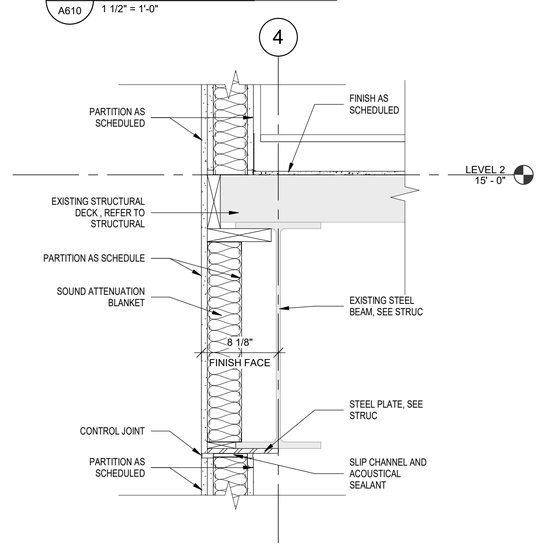
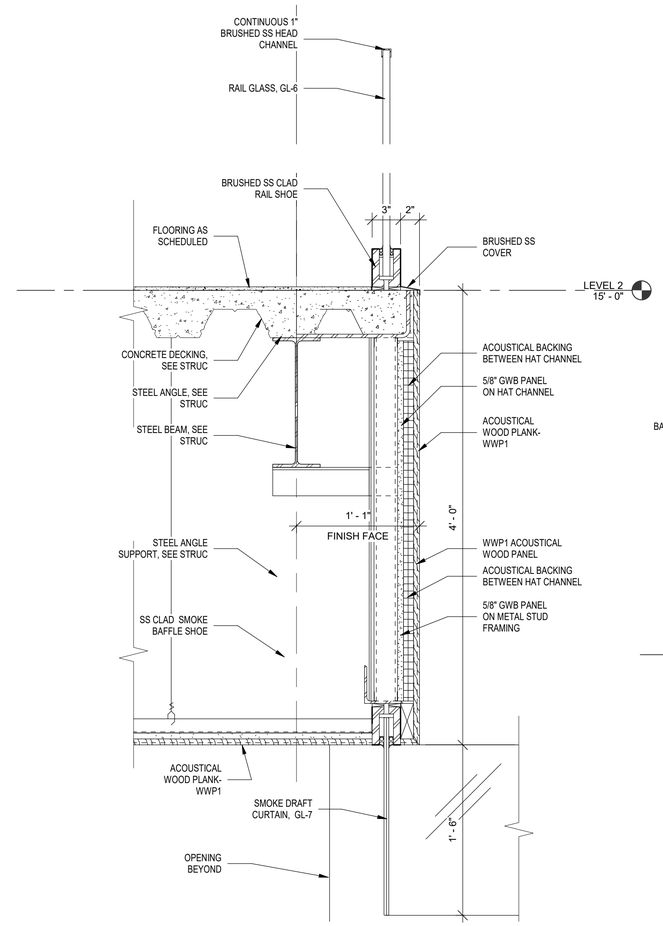
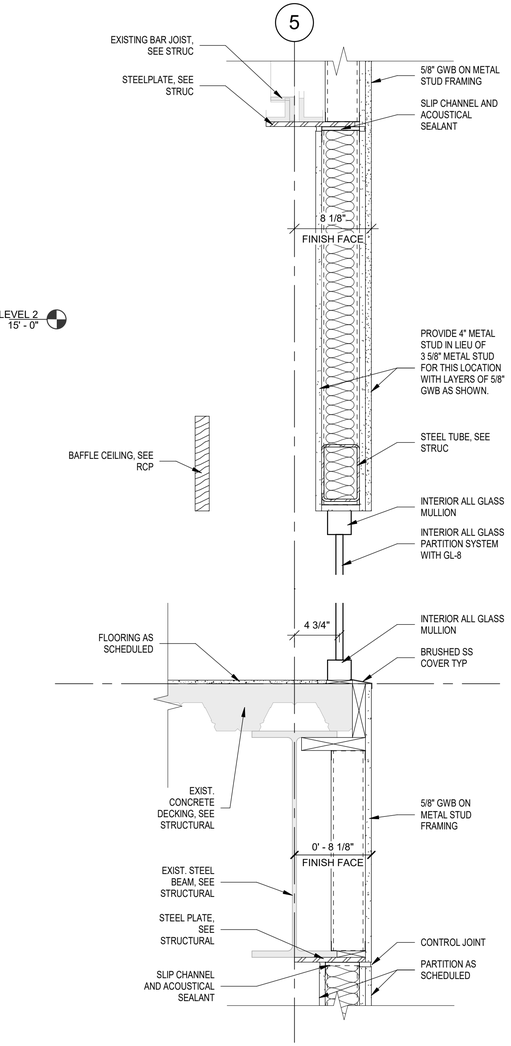


A6 A610 **SECTION DETAIL**
1 1/2" = 1'-0"



C4 A610 **SECTION DETAIL**
1 1/2" = 1'-0"



C2 A610 **SECTION DETAIL**
1 1/2" = 1'-0"

1 0 1
Scale: 1 1/2 INCH = 1 FOOT

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LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND
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DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

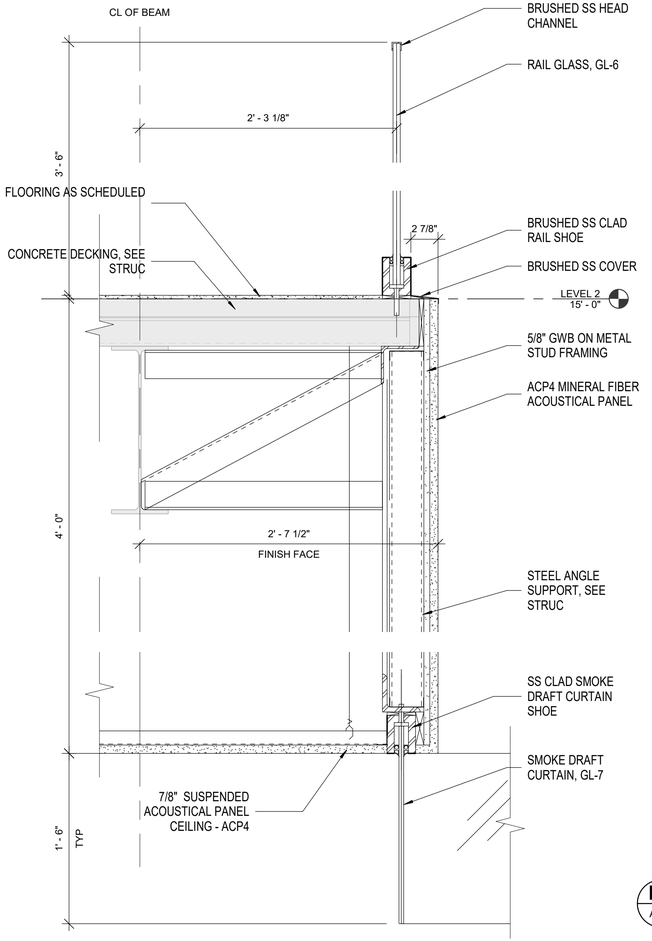
ENLARGED DETAILS

WARRENTON — DCCA ADM — VA

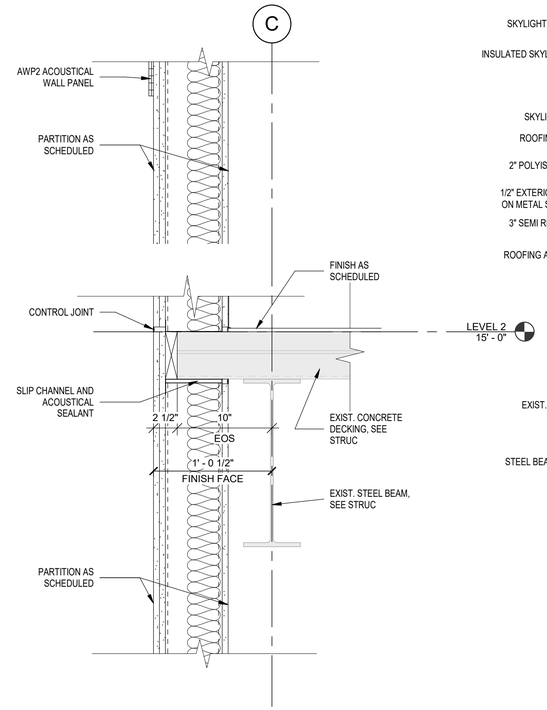
REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A610
REV.

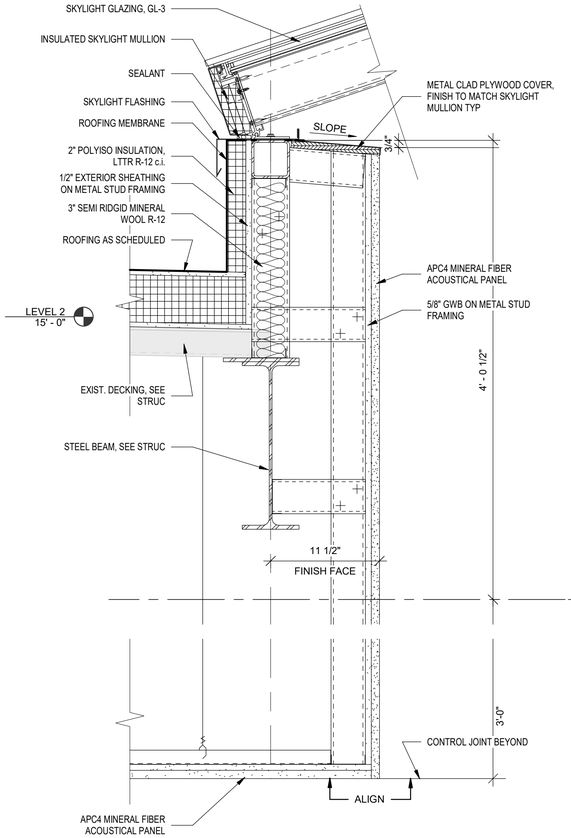
PLOT DATE/TIME: 3/9/2022 1:00:49 PM



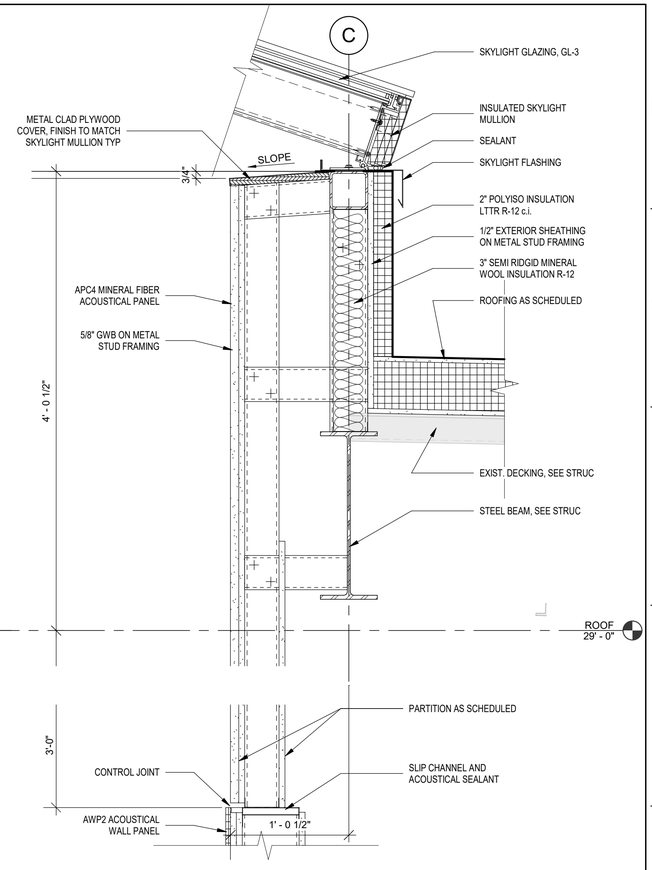
C8 SECTION DETAIL
A611 1 1/2" = 1'-0"



D6 SECTION DETAIL
A611 1 1/2" = 1'-0"



D4 SECTION DETAIL
A611 1 1/2" = 1'-0"



D2 SECTION DETAIL
A611 1 1/2" = 1'-0"

1 0 1
Scale: 1 1/2 INCH = 1 FOOT

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LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

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1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ENLARGED DETAILS

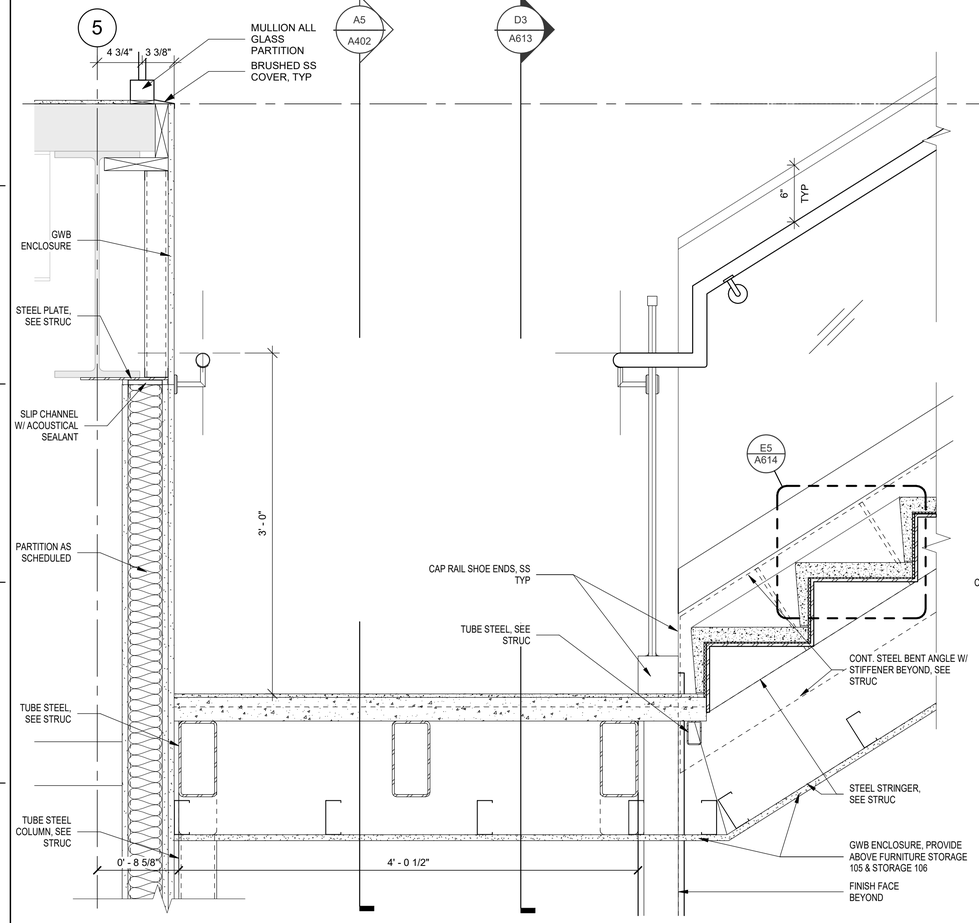
WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

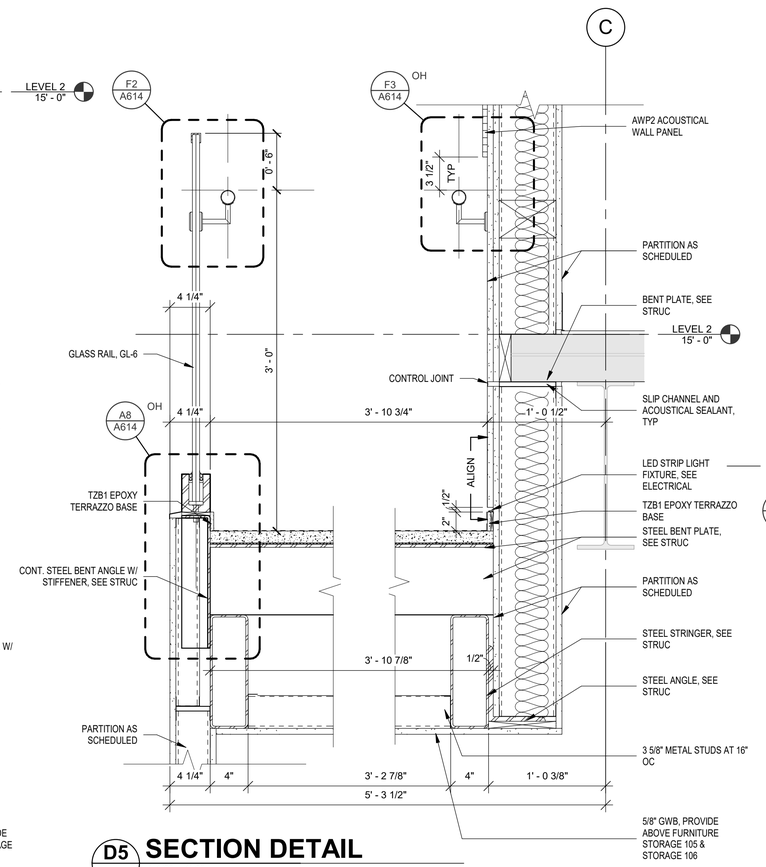
DCCA ADM
WARRENTON, VA

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A611
REV.

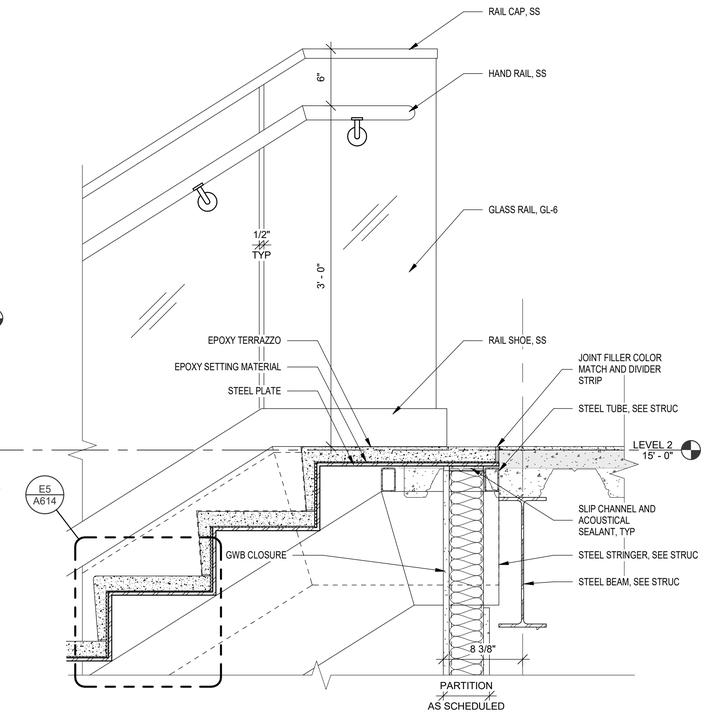
PLOT DATE/TIME: 3/9/2022 1:00:55 PM



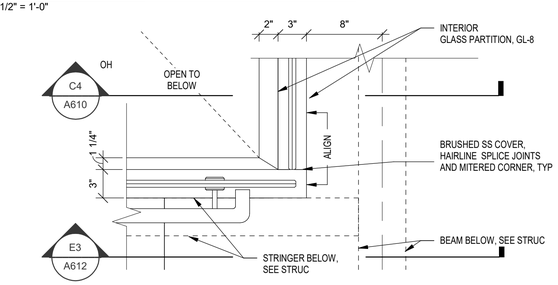
D8 SECTION DETAIL
A612 1 1/2" = 1'-0"



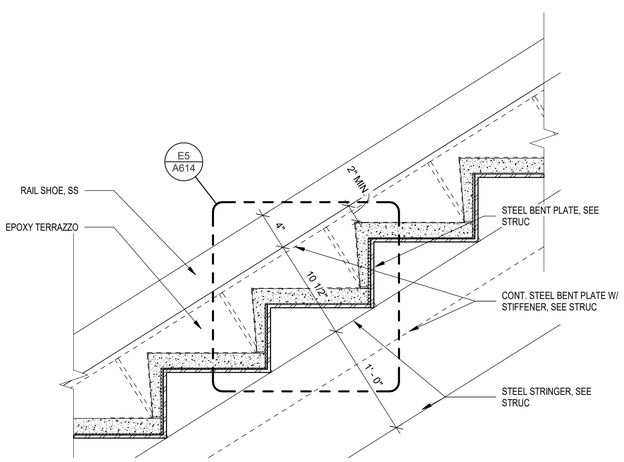
D5 SECTION DETAIL
A612 1 1/2" = 1'-0"



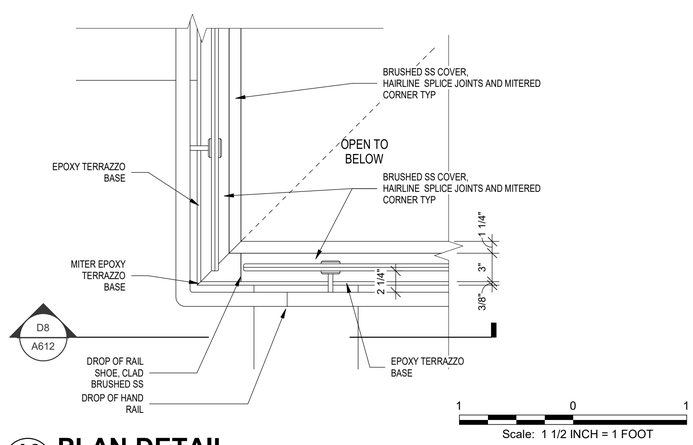
E3 SECTION DETAIL
A612 1 1/2" = 1'-0"



C3 PLAN DETAIL
A612 1 1/2" = 1'-0"



A8 SECTION DETAIL
A612 1 1/2" = 1'-0"



A6 PLAN DETAIL
A612 1 1/2" = 1'-0"

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REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

LICENSED ARCHITECT No.15412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

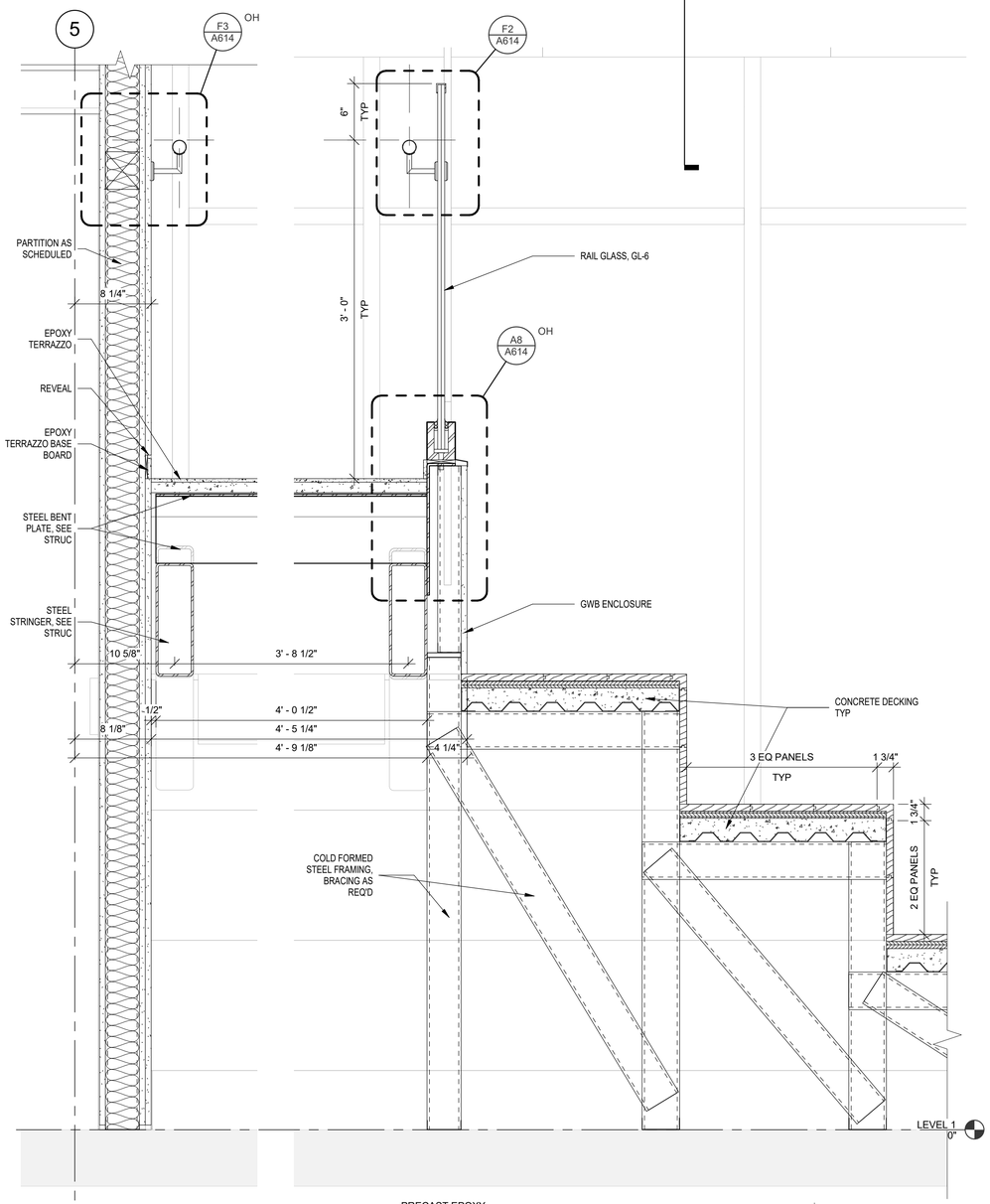
ENLARGED DETAILS

WARRENTON — DCCA ADM — VA

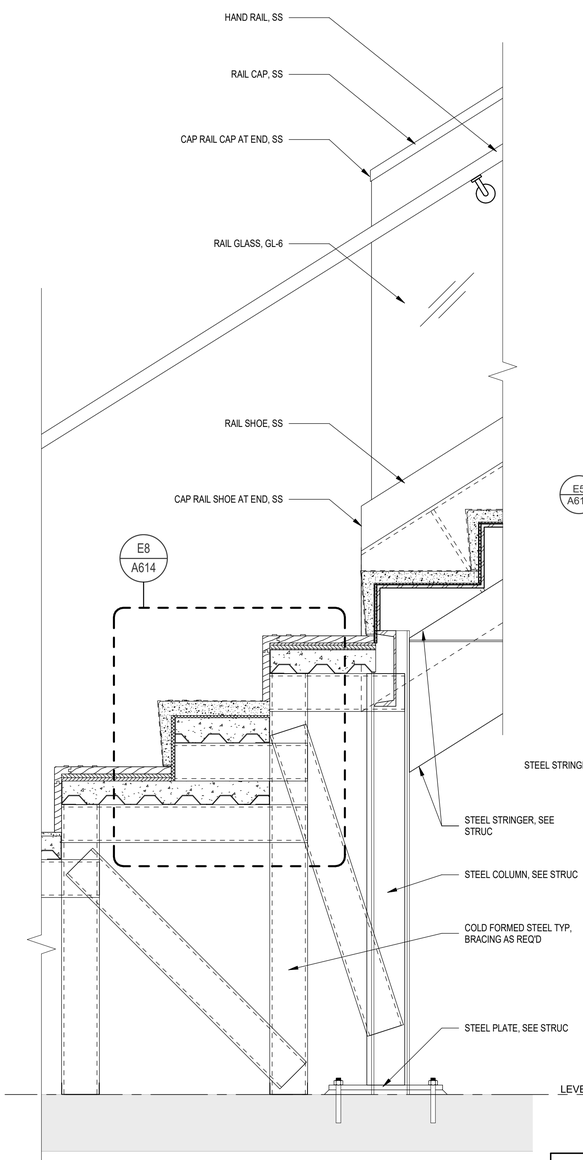
REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A612
REV.

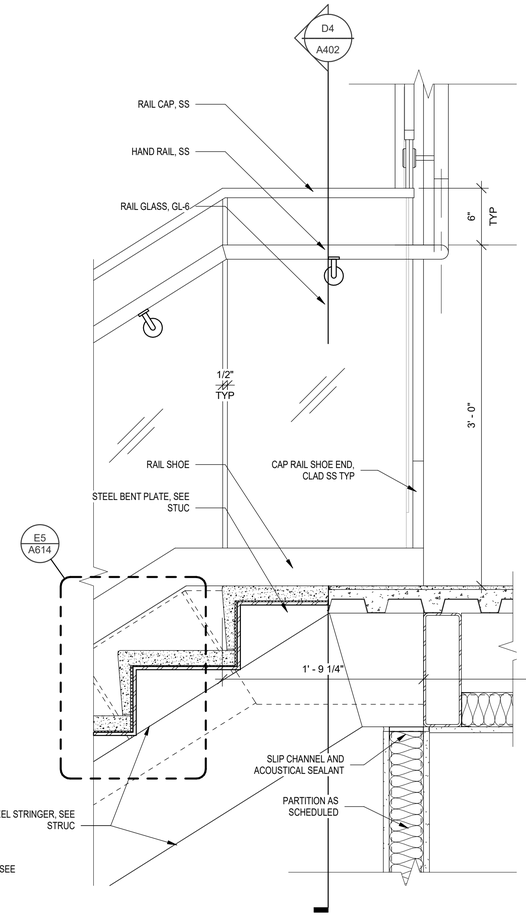
PLOT DATE/TIME: 3/9/2022 1:01:01 PM



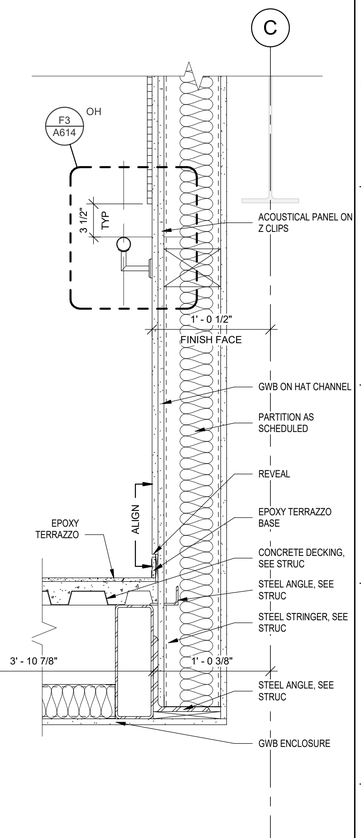
B8 SECTION DETAIL
A613 1 1/2" = 1'-0"

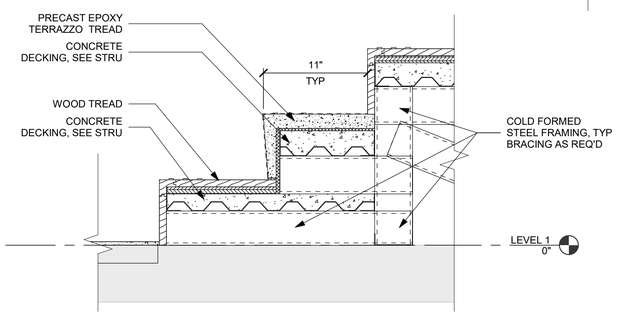


B5 SECTION DETAIL
A613 1 1/2" = 1'-0"



D3 SECTION DETAIL
A613 1 1/2" = 1'-0"





A8 SECTION DETAIL
A613 1 1/2" = 1'-0"

1 0 1
Scale: 1 1/2 INCH = 1 FOOT

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LICENSED ARCHITECT No.18412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

JACOBS
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ARLINGTON, VA 22201

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DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

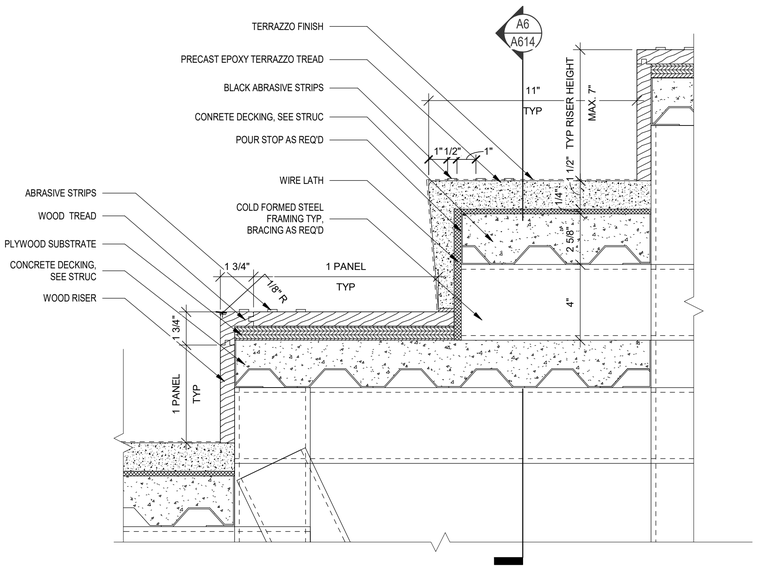
ENLARGED DETAILS

WARRENTON — DCCA ADM — VA

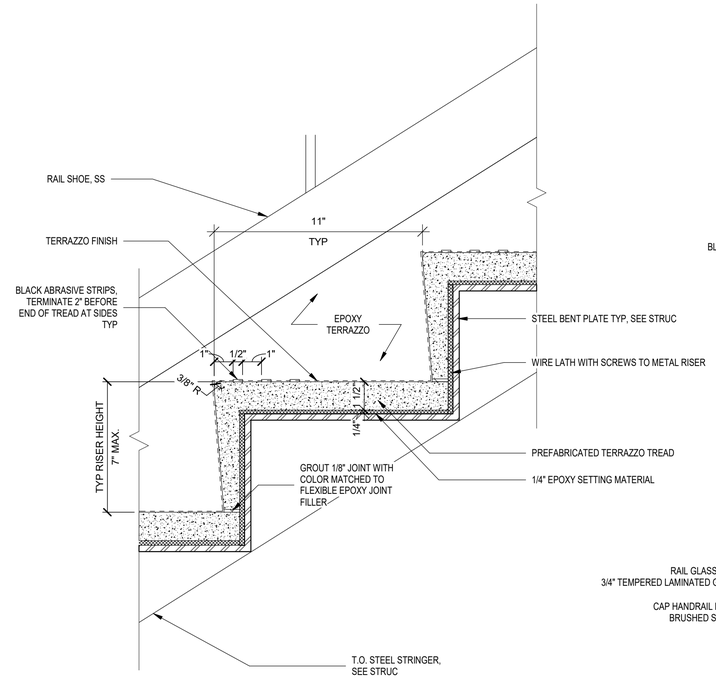
REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A613
REV.

PLOT DATE/TIME: 4/13/2022 10:51:02 AM



E8 SECTION DETAIL
A614 3" = 1'-0"



E5 SECTION DETAIL
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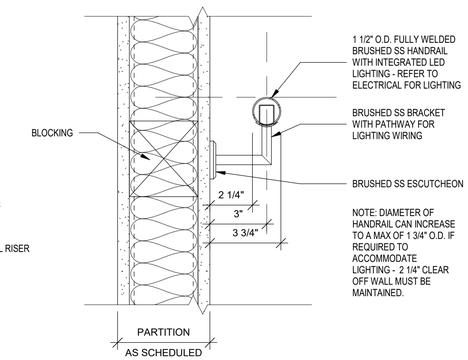

F3 SECTION DETAIL
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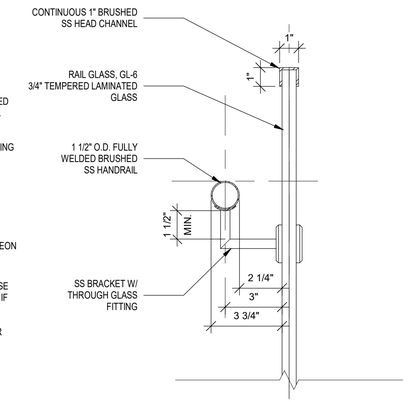

F2 SECTION DETAIL
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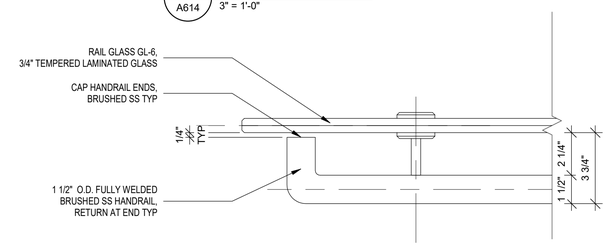
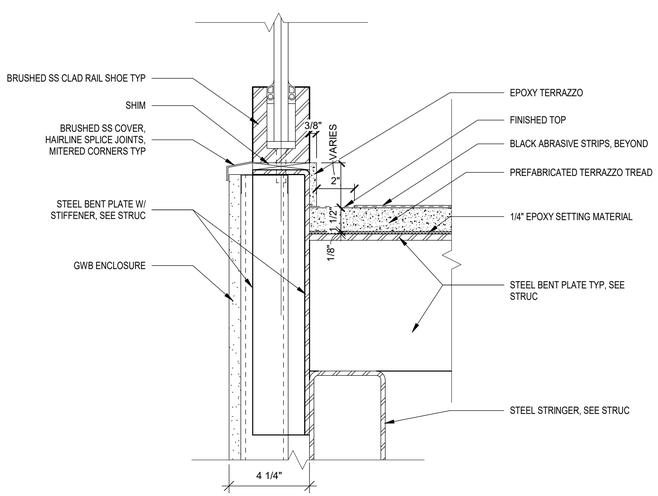
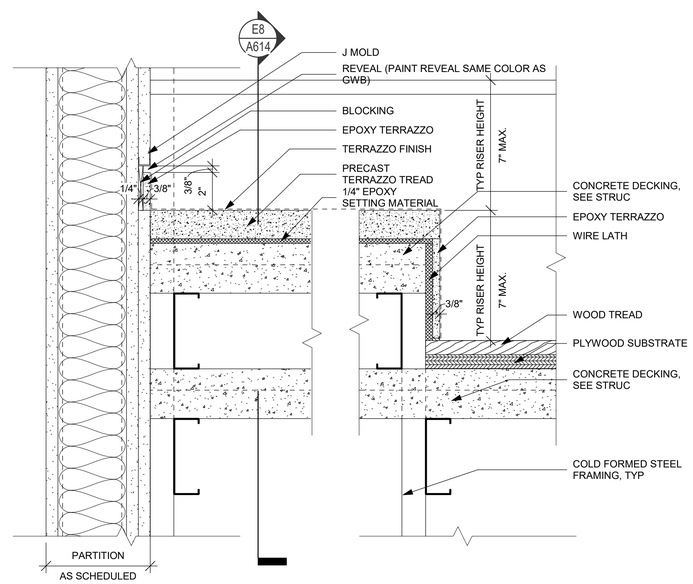


D3 PLAN/SECTION DETAIL
A614 3" = 1'-0"



A8 SECTION DETAIL
A614 3" = 1'-0"



A6 SECTION DETAIL
A614 3" = 1'-0"

0 4" 8" 12"
Scale: 3 INCH = 1 FOOT

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/D

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ENLARGED DETAILS

WARRENTON — DCCA ADM — VA

LICENSED ARCHITECT No. 15412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

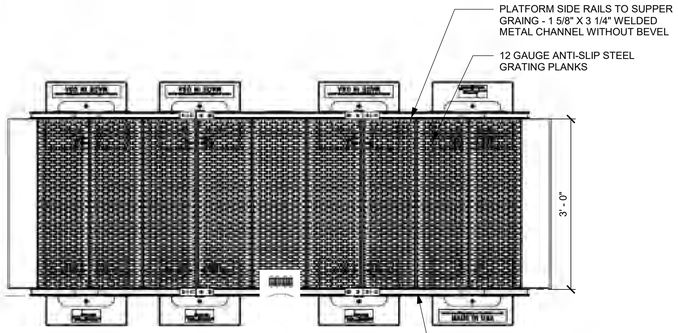
Jacobs

DCCA ADM
WARRENTON, VA

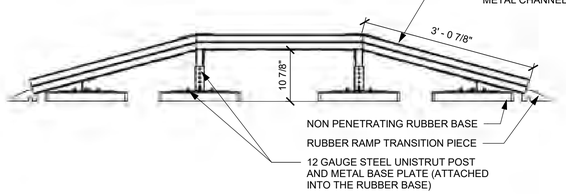
REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A614
REV.

PLOT DATE/TIME: 4/13/2022 12:12:06 PM

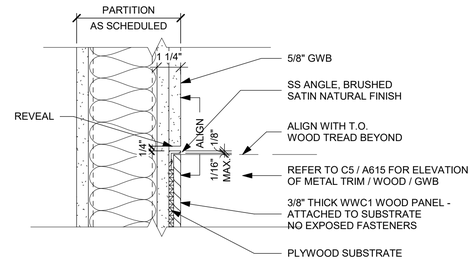


PLAN

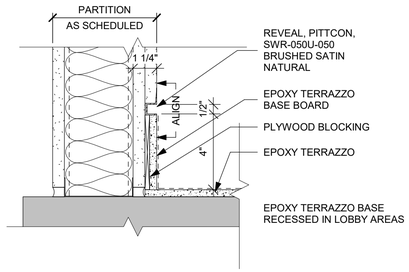


SECTION

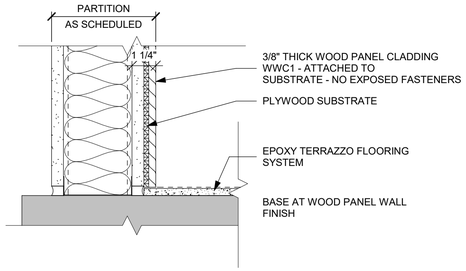
E8 / A615 CROSSOVER RAMP
3/4" = 1'-0"



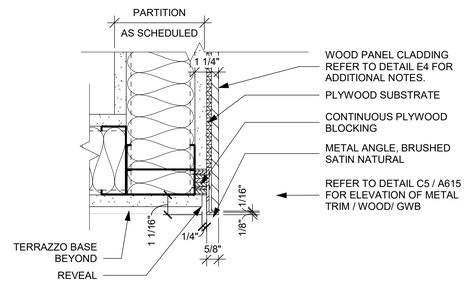
G6 / A615 SECTION DETAIL
3" = 1'-0"



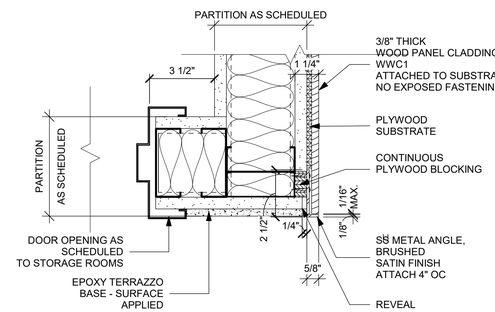
G4 / A615 SECTION DETAIL - TERRAZZO BASE
3" = 1'-0"



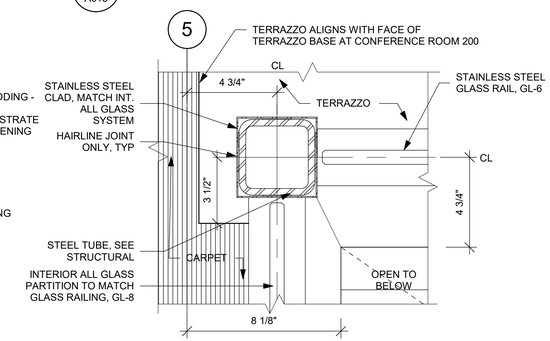
G2 / A615 SECTION DETAIL
3" = 1'-0"



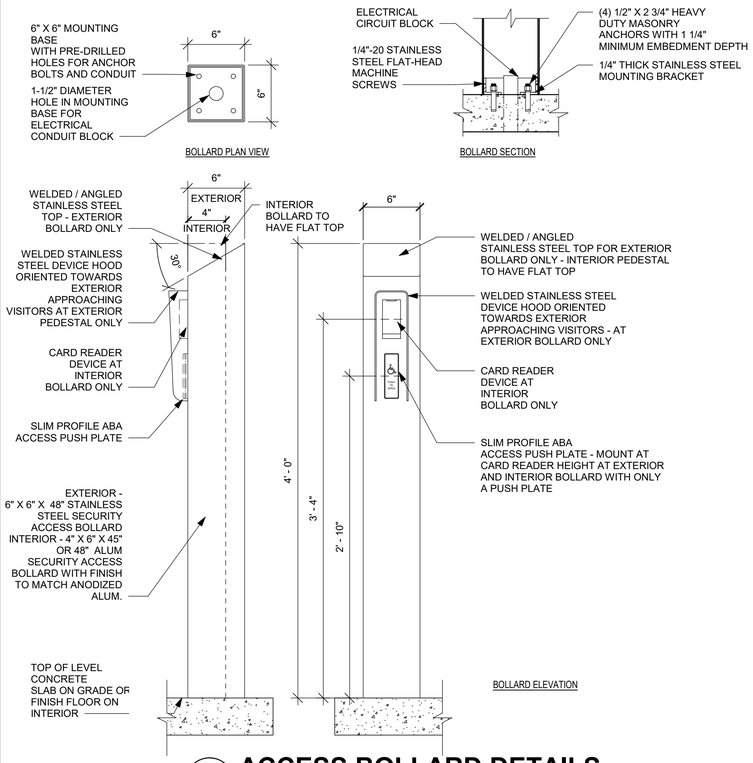
E6 / A615 PLAN DETAIL
3" = 1'-0"



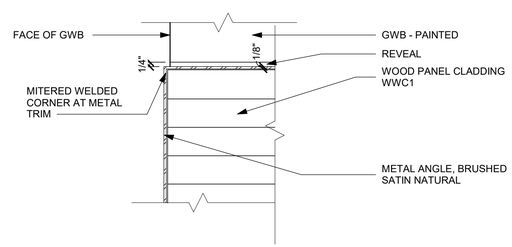
E4 / A615 PLAN DETAIL
3" = 1'-0"



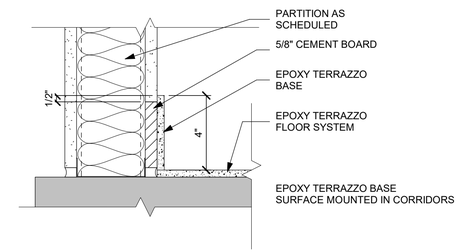
E2 / A615 PLAN DETAIL
3" = 1'-0"



A8 / A615 ACCESS BOLLARD DETAILS
1 1/2" = 1'-0"



C5 / A615 ELEVATION DETAIL
3" = 1'-0"



C4 / A615 SECTION DETAIL - TERRAZZO BASE
3" = 1'-0"

SCALE: 3/4"=1'-0"

SCALE: 1/2"=1'-0"

Scale: 3 INCH = 1 FOOT

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

Jacobs

LICENSED ARCHITECT No.15412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ENLARGED DETAILS

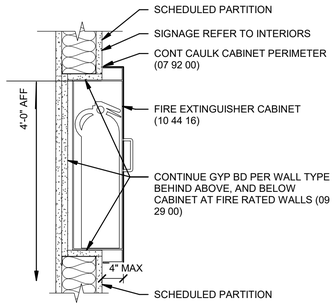
WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

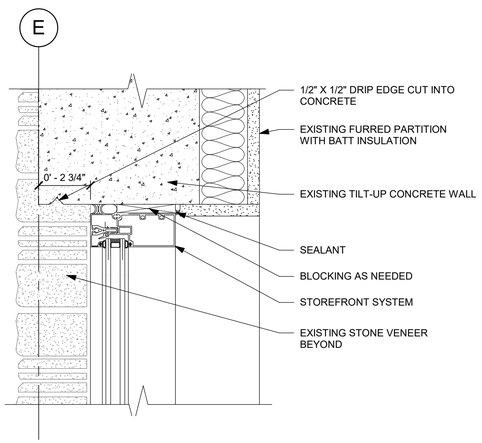
DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A615 REV.

DCCA ADM
WARRENTON, VA

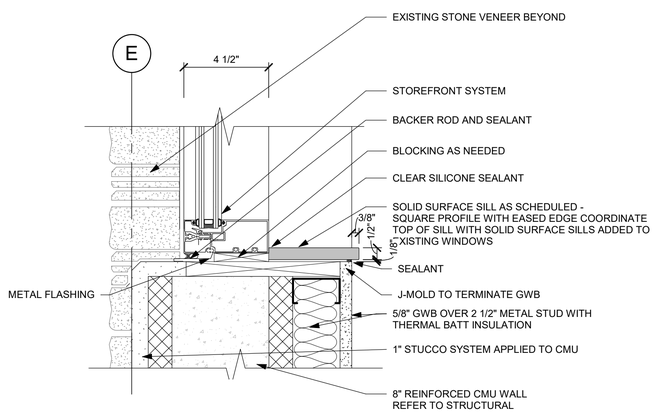
PLOT DATE/TIME: 4/13/2022 10:24:50 AM



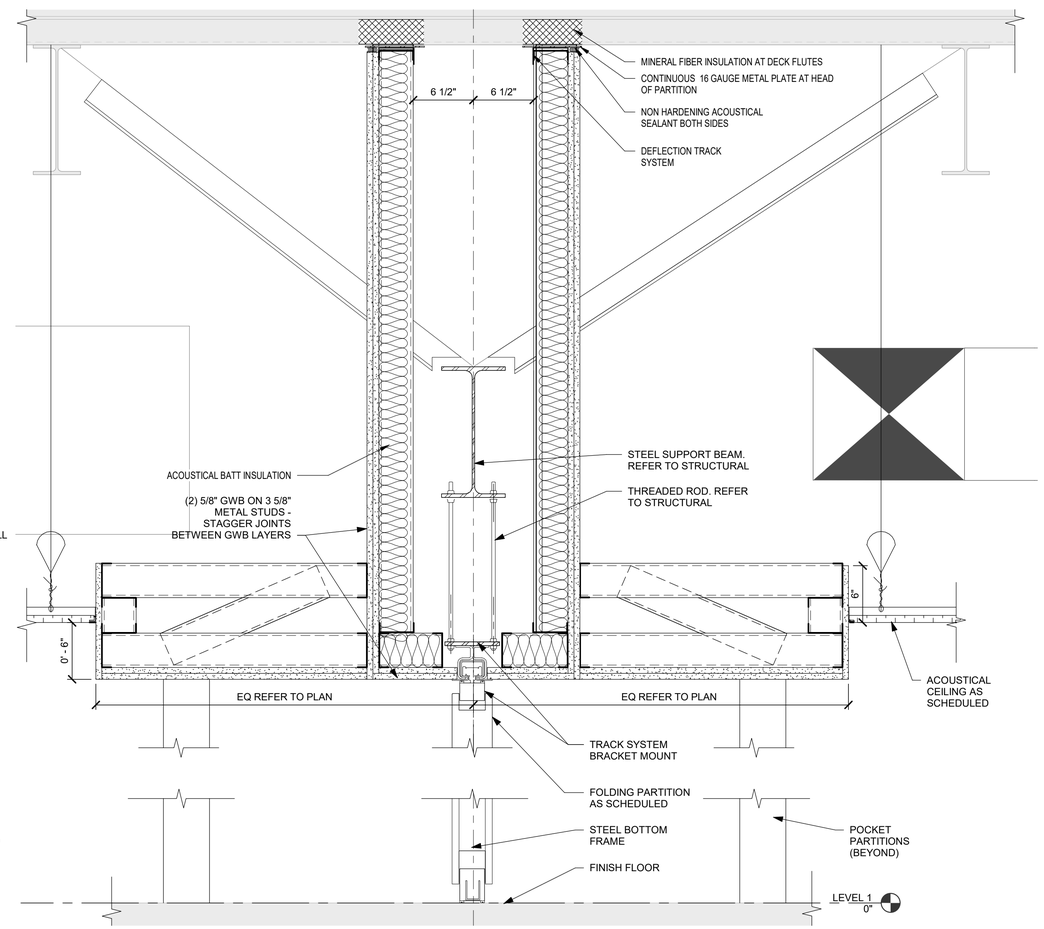
G8 SEMI RECESSED FEC
A616 1 1/2" = 1'-0"



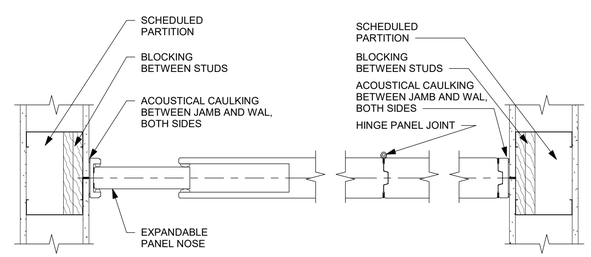
C8 EXTERIOR WINDOW HEAD DETAIL
A616 3" = 1'-0"



A8 EXTERIOR WINDOW SILL DETAIL
A616 3" = 1'-0"



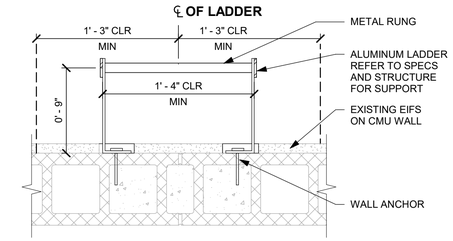
C6 FOLDING PANEL PARTITION SECTION
A616 1 1/2" = 1'-0"



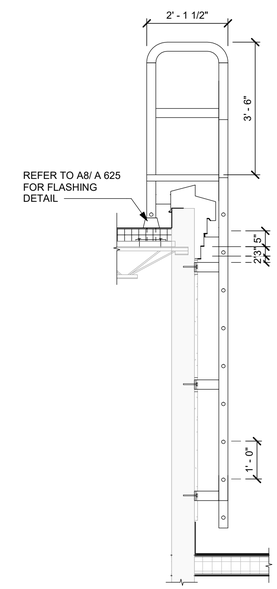
A6 FOLDING PANEL PARTITION PLAN
A616 1 1/2" = 1'-0"

0 4" 8" 12"
Scale: 3 INCH = 1 FOOT

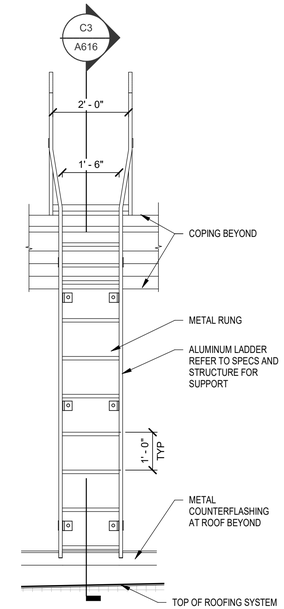
1 0 1
SCALE: 1 1/2"=1'-0"



G3 PLAN DETAIL - LADDER
A616 1 1/2" = 1'-0"



C3 SECTION LADDER
A616 1/2" = 1'-0"



C1 ELEVATION LADDER
A616 1/2" = 1'-0"

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

Jacobs

DCCA ADM
WARRENTON, VA

LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

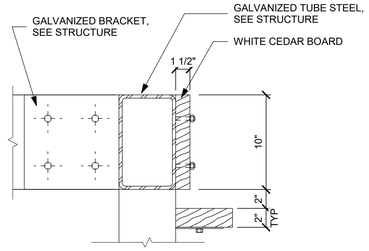
ENLARGED DETAILS

WARRENTON — DCCA ADM — VA

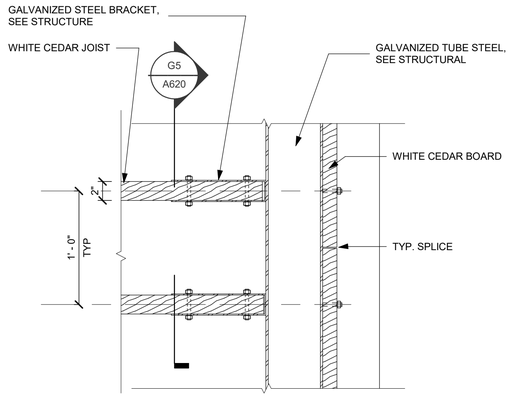
REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

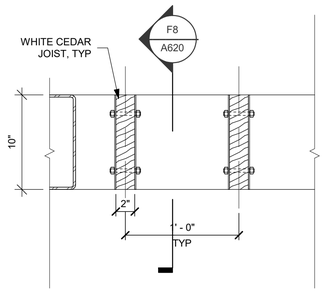
DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A616
REV.

PLOT DATE/TIME: 3/9/2022 1:01:22 PM

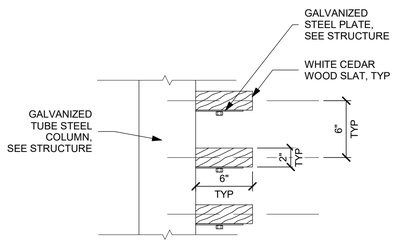


F8 SECTION DETAIL
A620 — 1 1/2" = 1'-0"



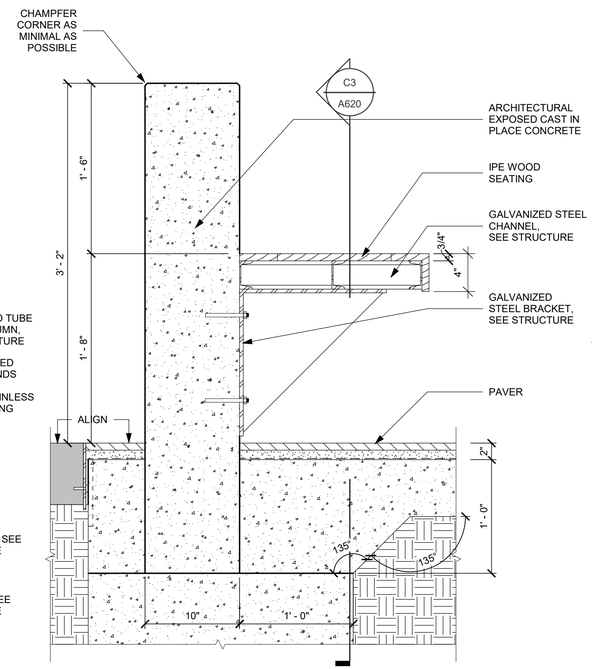


G5 SECTION DETAIL
A620 — 1 1/2" = 1'-0"



E8 SECTION DETAIL
A620 — 1 1/2" = 1'-0"

F7 PLAN DETAIL
A620 — 1 1/2" = 1'-0"



C5 SECTION DETAIL
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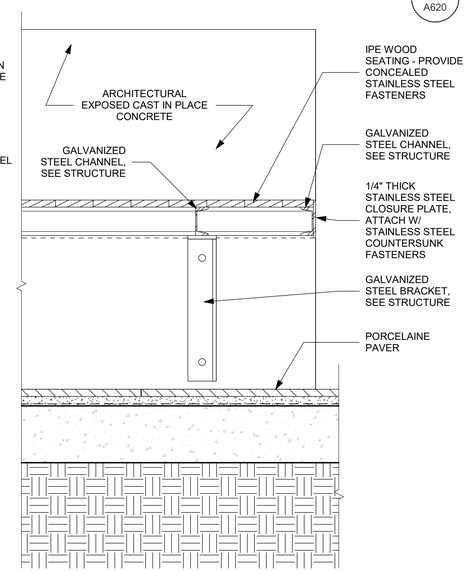
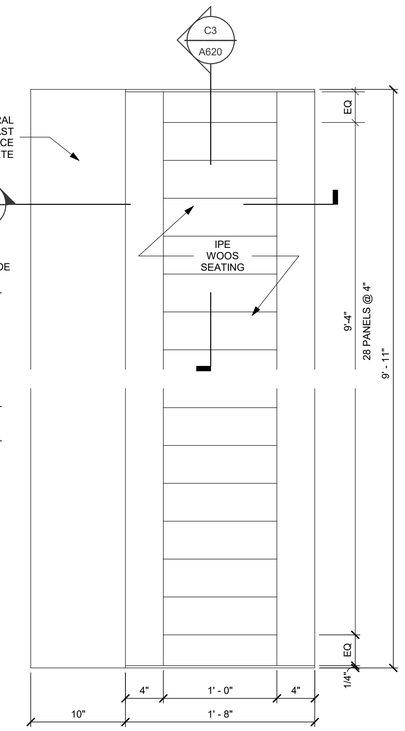
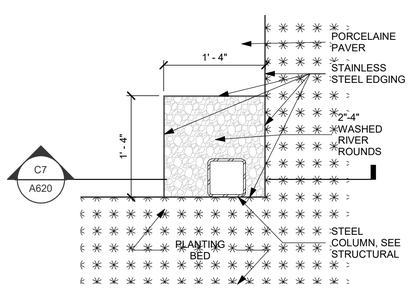


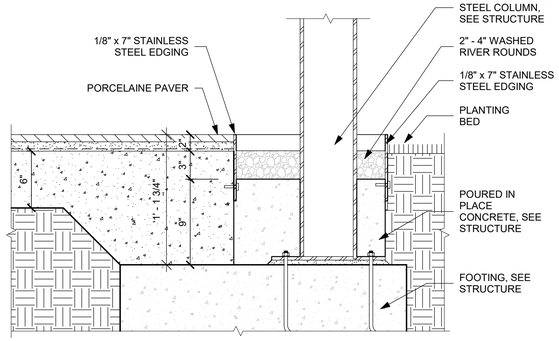
C3 SECTION DETAIL
A620 — 1 1/2" = 1'-0"



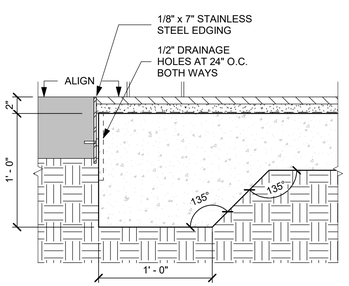
C2 PLAN DETAIL
A620 — 1 1/2" = 1'-0"



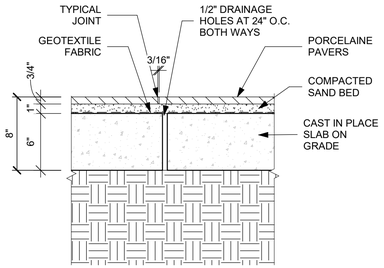
C8 PLAN DETAIL
A620 — 1" = 1'-0"



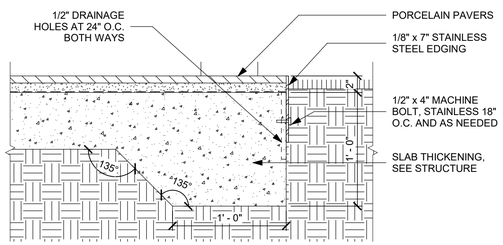
C7 SECTION DETAIL
A620 — 1 1/2" = 1'-0"



A8 SECTION DETAIL
A620 — 1 1/2" = 1'-0"



A7 SECTION DETAIL
A620 — 1 1/2" = 1'-0"



A6 SECTION DETAIL
A620 — 1 1/2" = 1'-0"

1 0 1
Scale: 1 1/2 INCH = 1 FOOT

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

LICENSED ARCHITECT No.16412 ALAN W. FLORA STATE OF MARYLAND
03.11.2022

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ENLARGED DETAILS

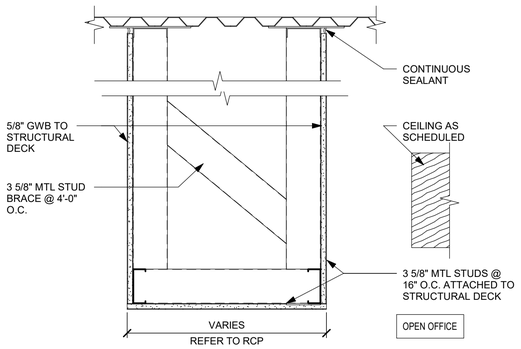
WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

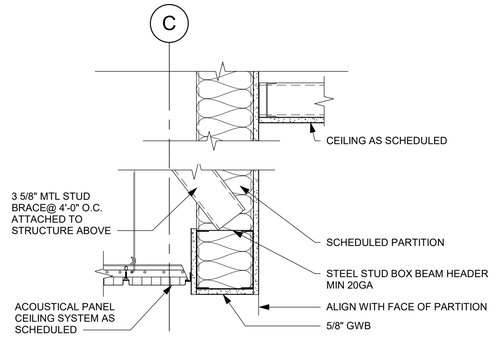
DCCA ADM
WARRENTON, VA

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A620 REV.

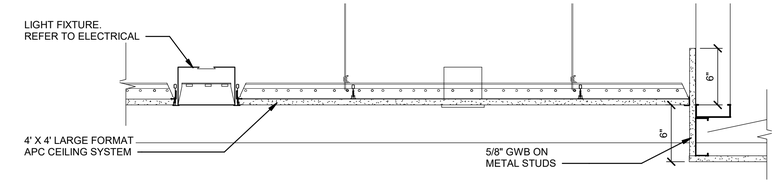
PLOT DATE/TIME: 3/9/2022 4:27:06 PM



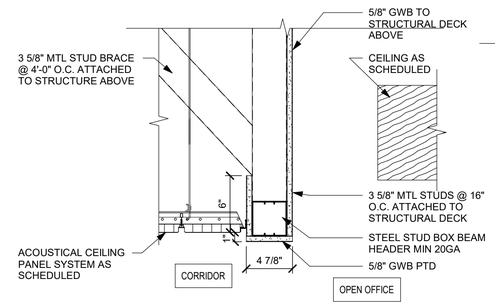
F8 A621 CEILING DETAIL PRE - FUNCTION
1 1/2" = 1'-0"



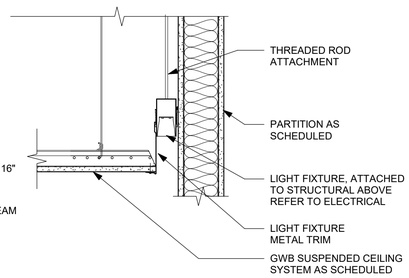
G3 A621 DETAIL AT CORRIDOR / BRIDGE
1 1/2" = 1'-0"



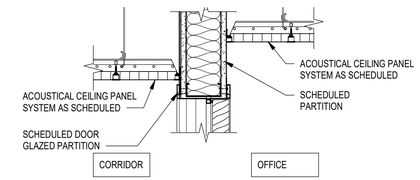
G5 A621 CEILING DETAIL AT CONFERENCE ROOM
1 1/2" = 1'-0"



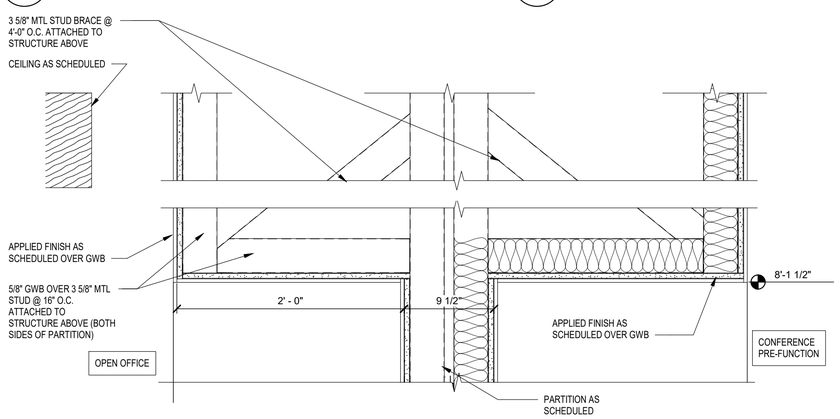
F6 A621 DETAIL AT OFFICE - CORRIDOR
1 1/2" = 1'-0"



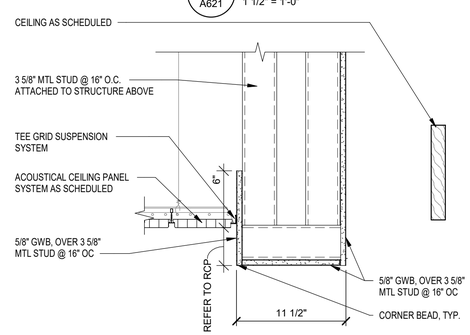
F5 A621 DETAIL- COVE LIGHT
1 1/2" = 1'-0"



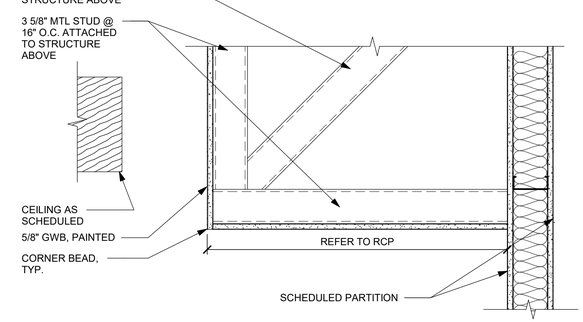
F3 A621 DETAIL AT OFFICE TYP
1 1/2" = 1'-0"



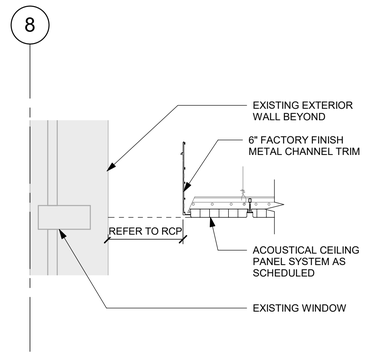
C8 A621 CEILING DETAIL AT PRE - FUNCTION
1 1/2" = 1'-0"



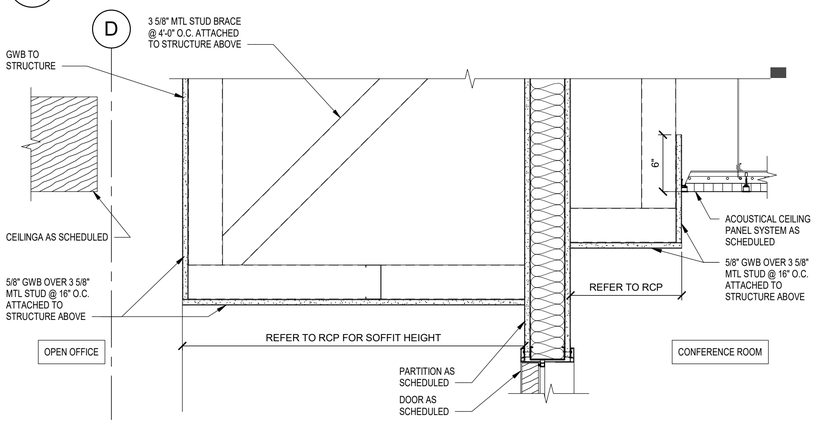
C5 A621 CEILING DETAIL
1 1/2" = 1'-0"



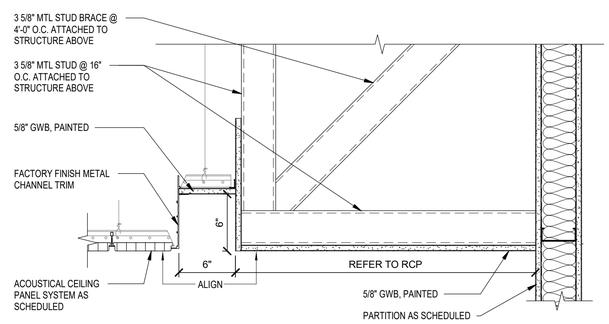
C3 A621 CEILING DETAIL - TYP SOFFIT
1 1/2" = 1'-0"



C2 A621 CEILING DETAIL
1 1/2" = 1'-0"



A8 A621 CEILING DETAIL AT CONFERENCE ROOM
1 1/2" = 1'-0"



A5 A621 CEILING DETAIL AT CORRIDOR
1 1/2" = 1'-0"

1 0 1
Scale: 1 1/2 INCH = 1 FOOT

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REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

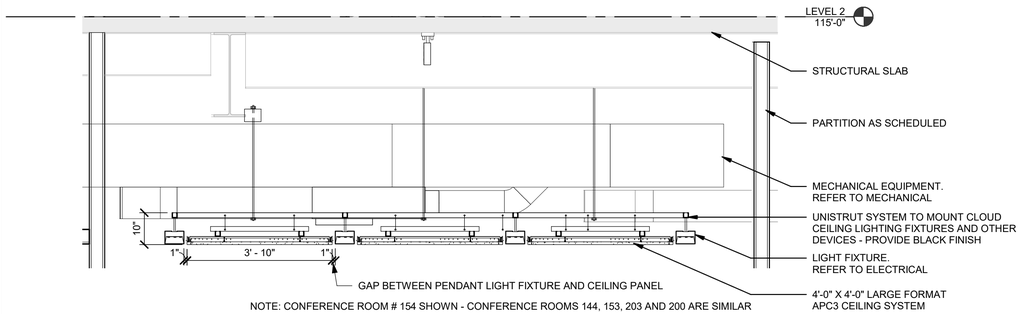
CEILING DETAILS

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A621
REV.

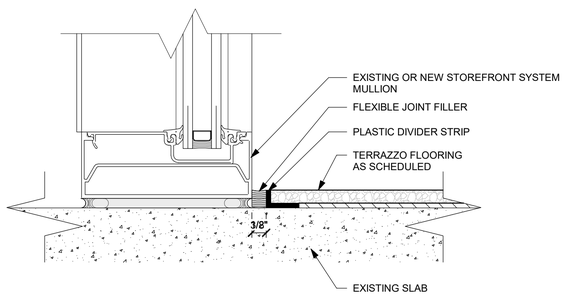
PLOT DATE/TIME: 3/9/2022 1:01:38 PM



NOTE: CONFERENCE ROOM # 154 SHOWN - CONFERENCE ROOMS 144, 153, 203 AND 200 ARE SIMILAR

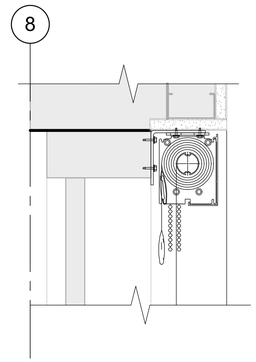
G8 / A622 SECTION AT CONFERENCE ROOM WITH CLOUD CEILING

1/2" = 1'-0"



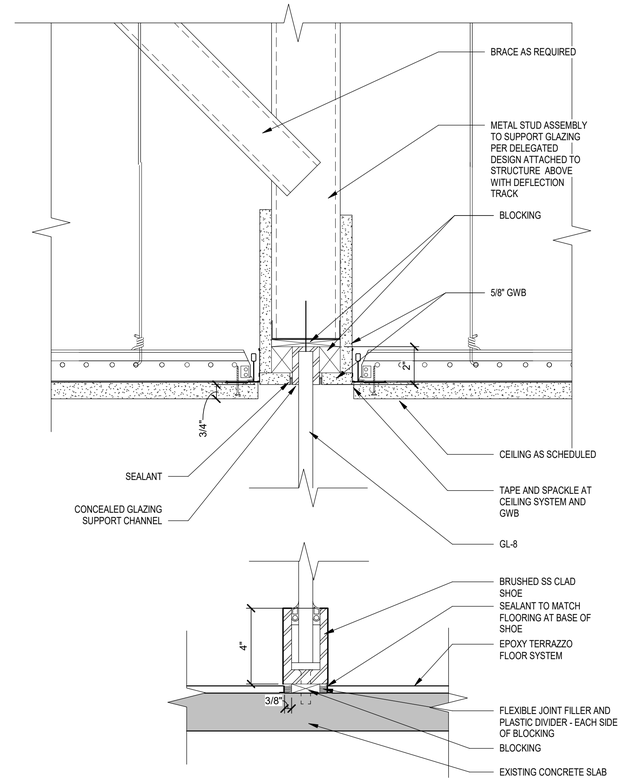
E8 / A622 TERRAZZO ISOLATION JOINT DETAIL

6" = 1'-0"



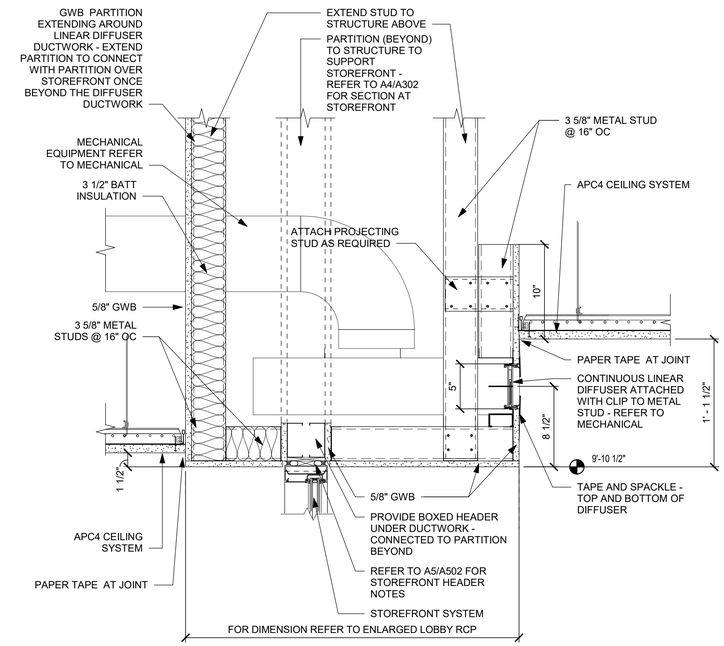
G3 / A622 SHADE AT EXISTING WINDOWS

3" = 1'-0"



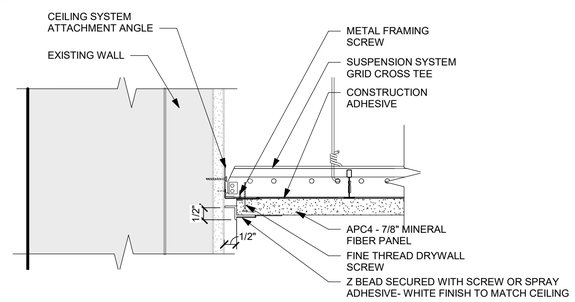
E4 / A622 ALL GLASS PARTITION SECTION DETAIL

3" = 1'-0"



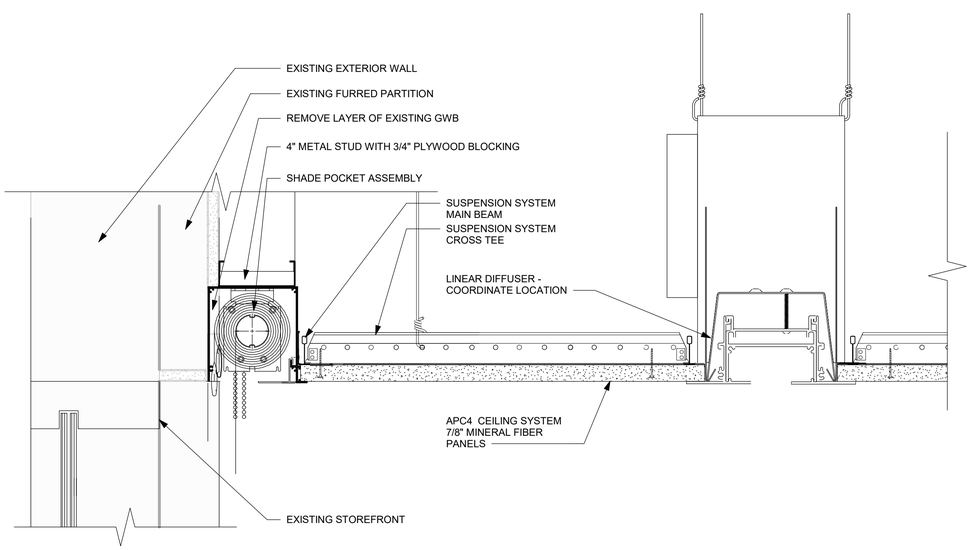
E2 / A622 SOFFIT DETAIL AT LINEAR DIFFUSER

1 1/2" = 1'-0"



E3 / A622 SECTION DETAIL - CEILING

3" = 1'-0"



E5 / A622 LOBBY CEILING SECTION AT SHADE AND DIFFUSER

3" = 1'-0"

0 4" 8" 12"

Scale: 3 INCH = 1 FOOT

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JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

LICENSED ARCHITECT No. 15412 ALAN N. FLORA STATE OF MARYLAND

03.11.2022

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

CEILING AND MISCELLANEOUS DETAILS

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

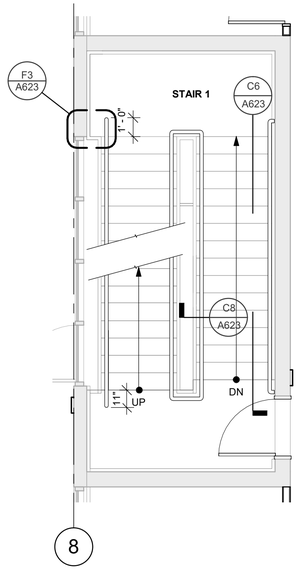
DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS

ISSUED BY: ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763

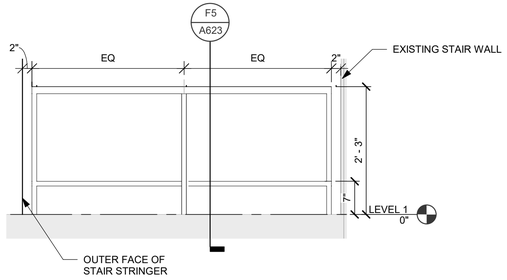
DRAWING NO. DCCA - D - ADM - A622 REV.

PLOT DATE/TIME: 4/13/2022 1:58:50 PM



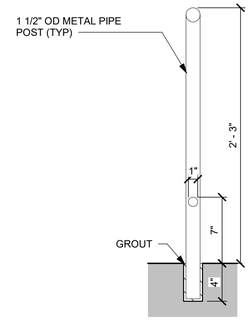
F8 A623 STAIRS - SECOND FLOOR PLAN

1/4" = 1'-0"



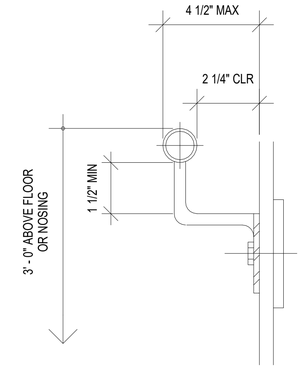
F7 A623 CANE DETECTION RAIL - ELEVATION

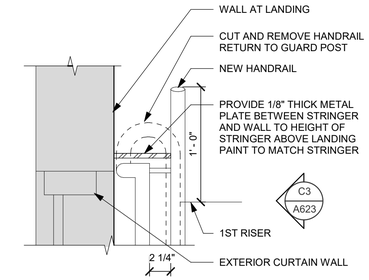
3/4" = 1'-0"



F5 A623 CANE DETECTION RAIL

1 1/2" = 1'-0"

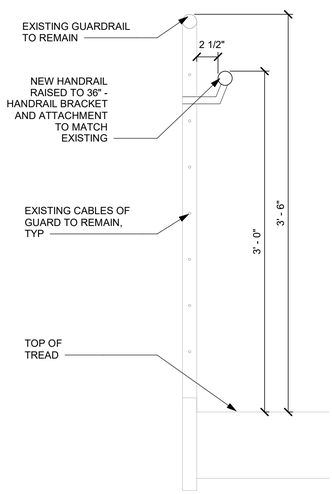




HANDRAIL PLAN DETAIL @ LANDING

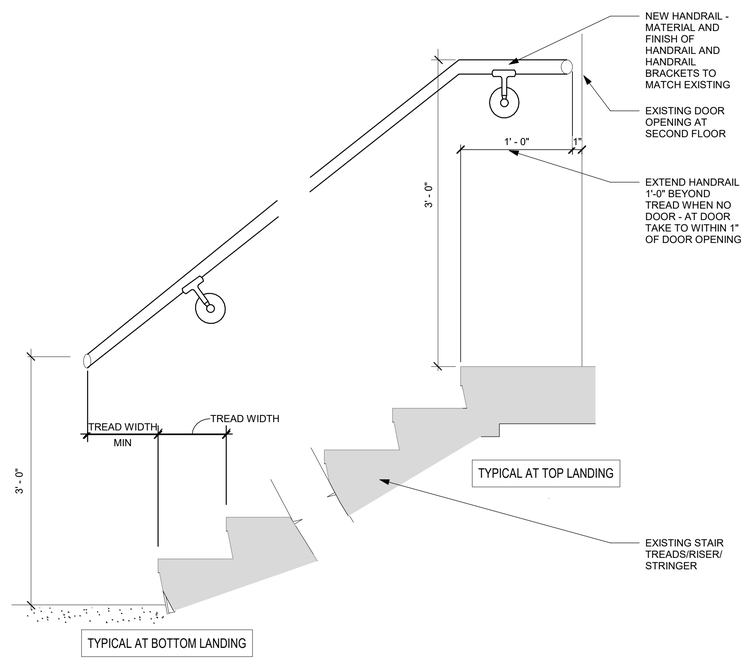
F3 A623 STAIR PLAN DETAIL

1 1/2" = 1'-0"



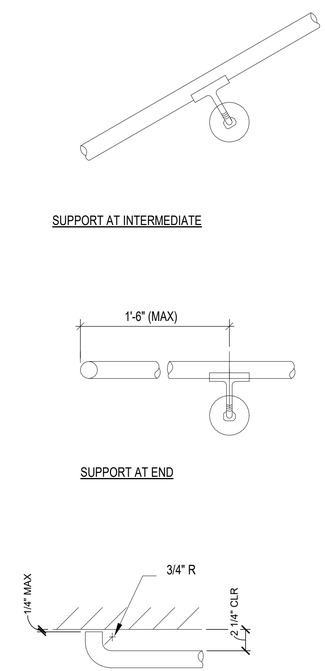
C8 A623 SECTION AT STAIR GUARDRAIL

1 1/2" = 1'-0"



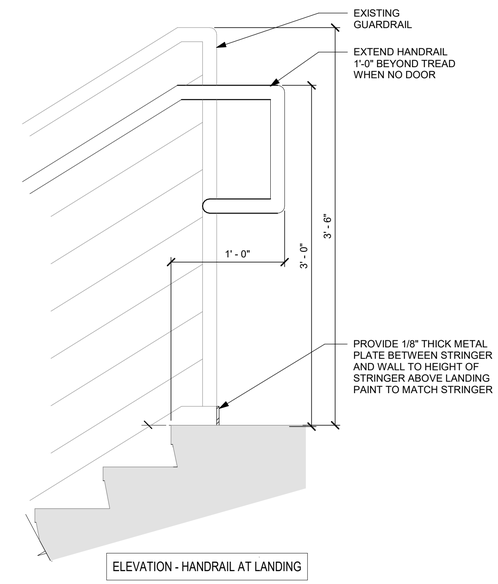
C6 A623 HANDRAIL AT WALL ELEVATION

1 1/2" = 1'-0"



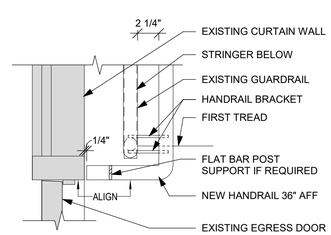
C4 A623 HANDRAIL TYP WALL RAIL ANCHORAGE

1 1/2" = 1'-0"



C3 A623 STAIR ELEVATION DETAIL

1 1/2" = 1'-0"



A6 A623 STAIR PLAN DETAIL - FIRST FLOOR

1 1/2" = 1'-0"

4 3 2 1 0 4 8

SCALE: 1/4"=1'-0"

1 0 1

Scale: 1 1/2 INCH = 1 FOOT

N

KEY NORTH

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND

03.11.2022

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

STAIR DETAILS

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

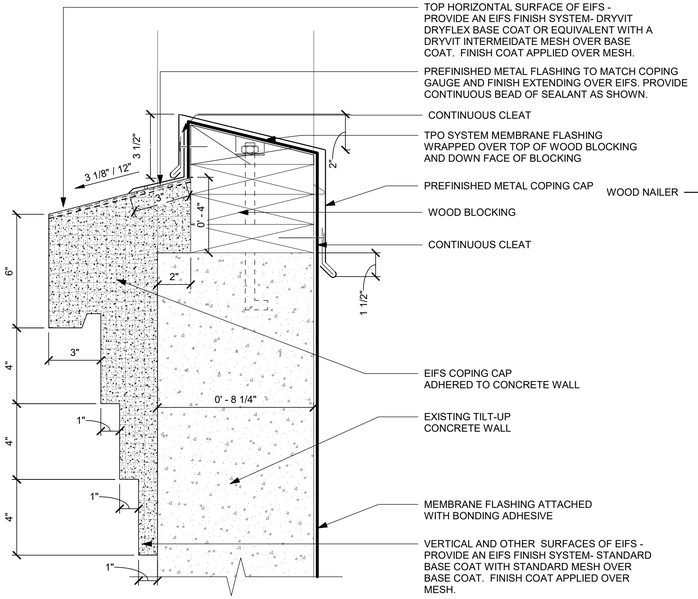
DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763

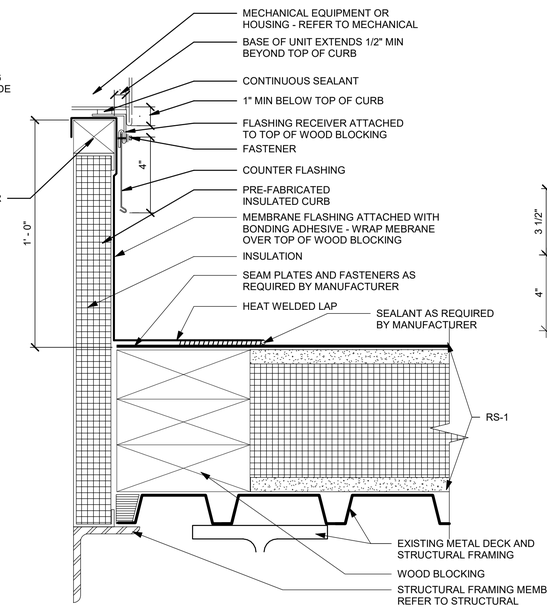
DRAWING NO. DCCA - D - ADM - A623 REV.

PLOT DATE/TIME: 3/9/2022 1:01:50 PM



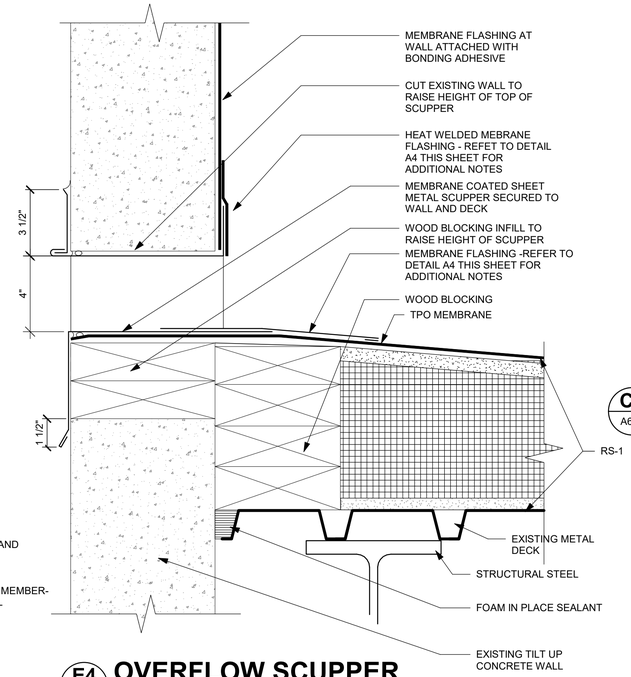
E8 / A625 ROOF DETAIL - PARAPET

3" = 1'-0"



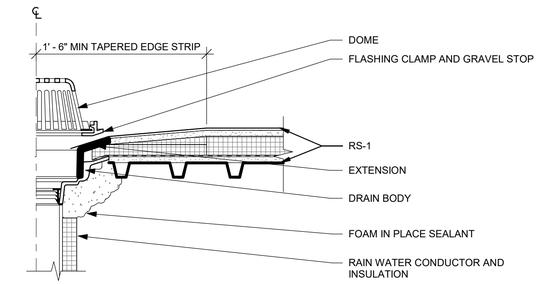
E6 / A625 MECHANICAL CURB DETAIL

3" = 1'-0"



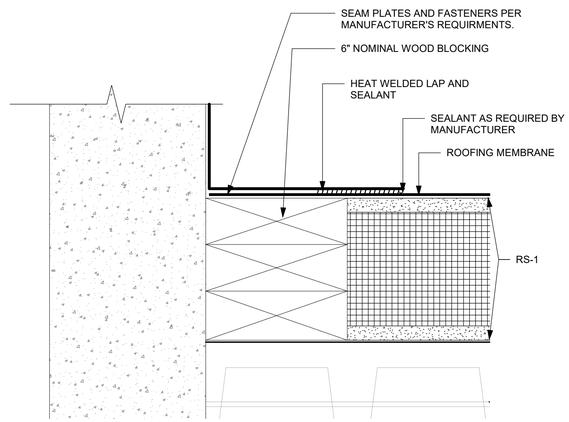
E4 / A625 OVERFLOW SCUPPER

3" = 1'-0"



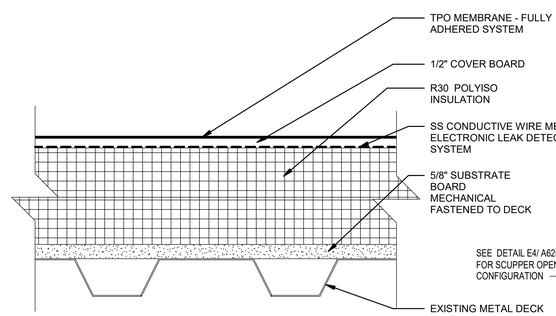
C8 / A625 ROOF DRAIN DETAIL

1 1/2" = 1'-0"



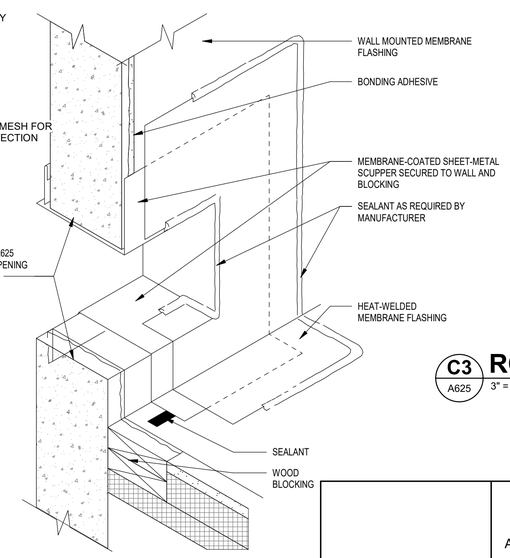
E8 / A625 ROOF DETAIL - PARAPET

3" = 1'-0"



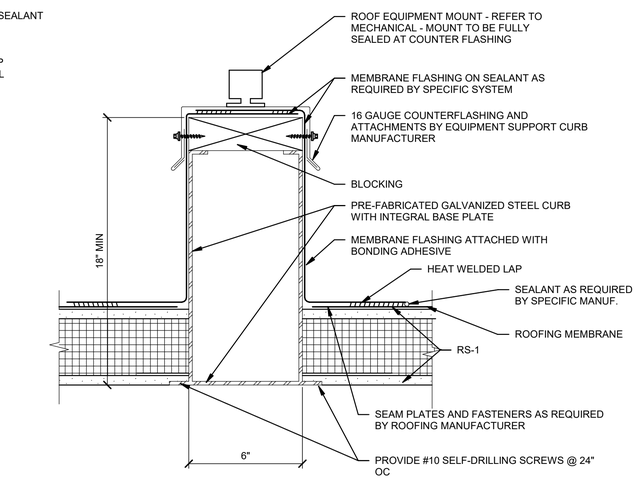
C6 / A625 ROOF ASSEMBLY - RS-1

3" = 1'-0"



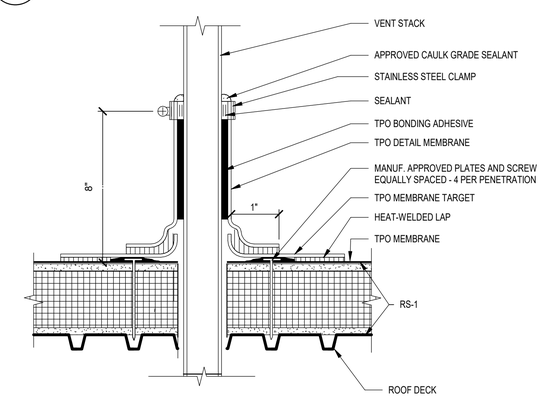
A4 / A625 OVERFLOW SCUPPER ISO

12" = 1'-0"



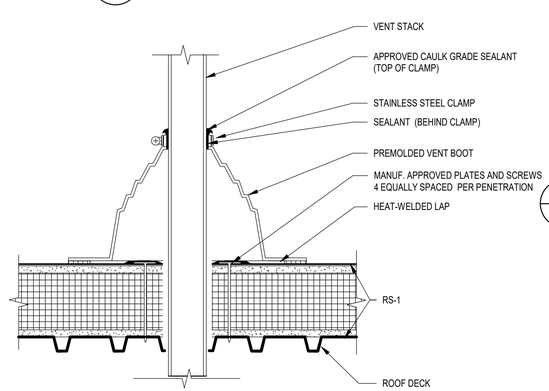
C3 / A625 ROOF DETAIL - EQUIPMENT SUPPORT CURB

3" = 1'-0"



A8 / A625 FIELD WRAP PENETRATION DETAIL

1 1/2" = 1'-0"



A6 / A625 PREMOLDED VENT BOOT FLASHING DETAIL

1 1/2" = 1'-0"

0 4" 8" 12"
Scale: 3 INCH = 1 FOOT

1 0 1
Scale: 1 1/2 INCH = 1 FOOT

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REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

Jacobs

DCCA ADM
WARRENTON, VA

LICENSED ARCHITECT
No. 19412
ALAN N. FLORA
STATE OF MARYLAND
03.11.2022

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

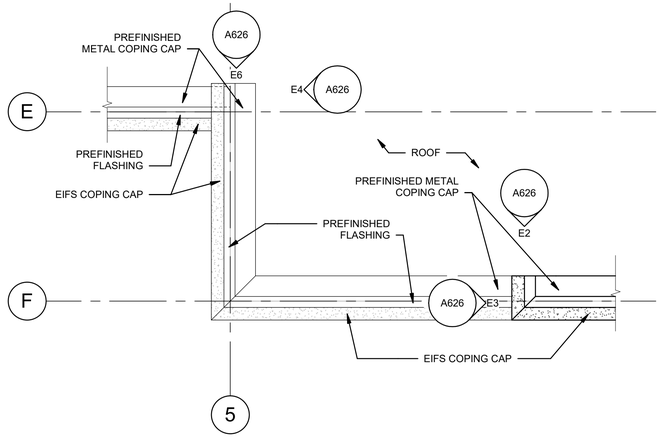
ROOF DETAILS

WARRENTON — DCCA ADM — VA

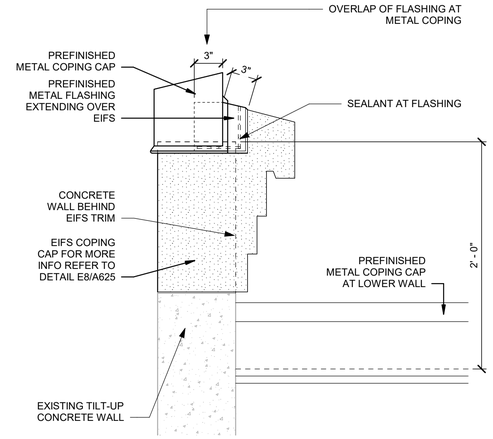
REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A625 REV.

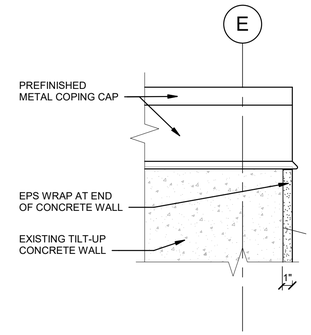
PLOT DATE/TIME: 3/9/2022 1:01:55 PM



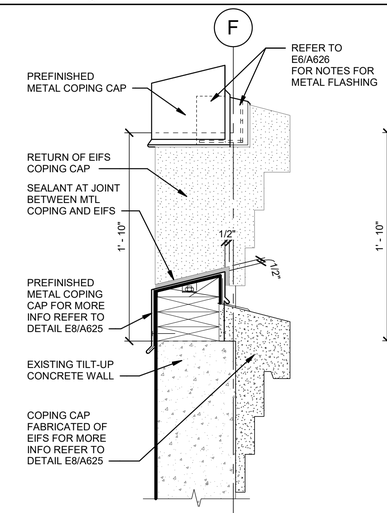
E8 / A626 ENLARGED PLAN - PARAPET COPING
1/2" = 1'-0"



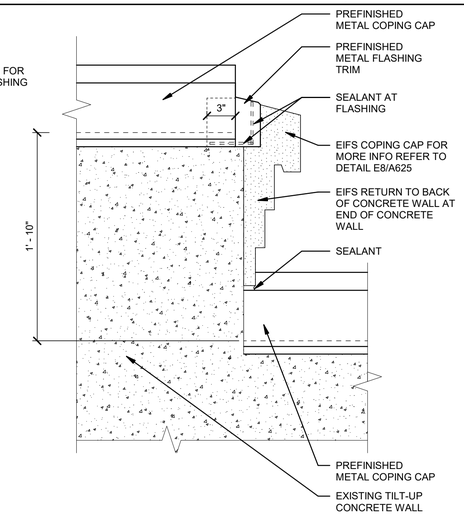
E6 / A626 COPING DETAIL
1 1/2" = 1'-0"



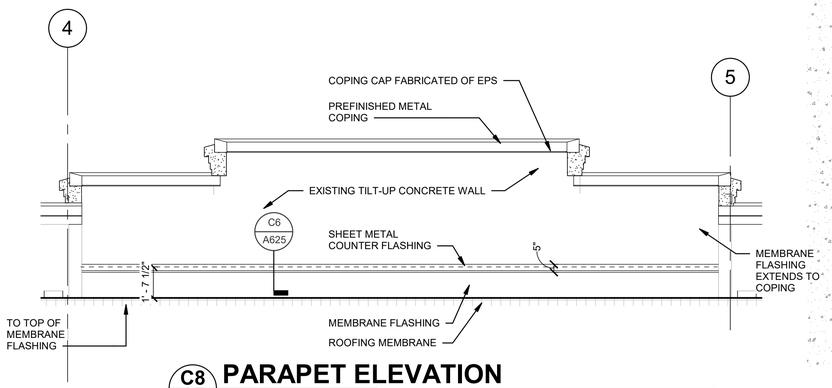
E4 / A626 COPING DETAIL
1 1/2" = 1'-0"



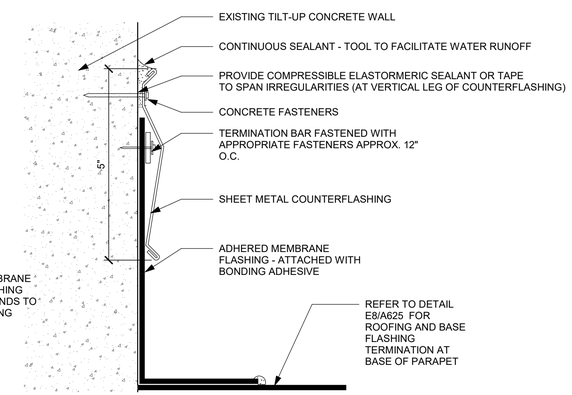
E3 / A626 COPING DETAIL
1 1/2" = 1'-0"



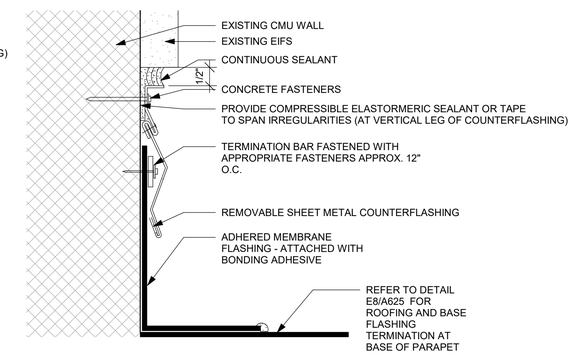
E2 / A626 COPING DETAIL
1 1/2" = 1'-0"



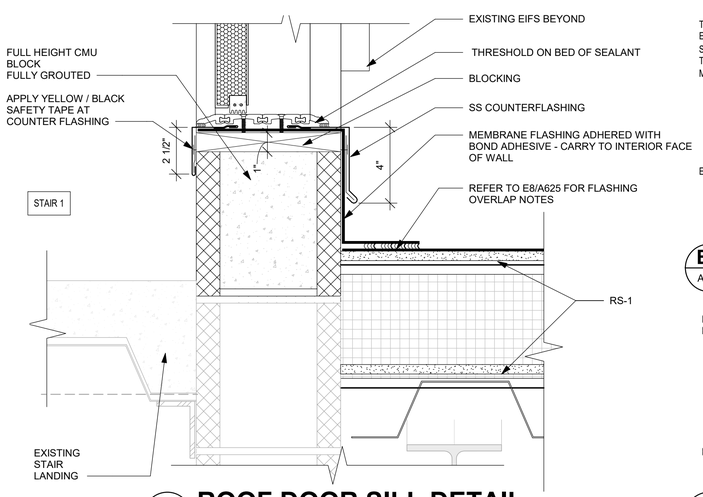
C8 / A626 PARAPET ELEVATION
1/4" = 1'-0"



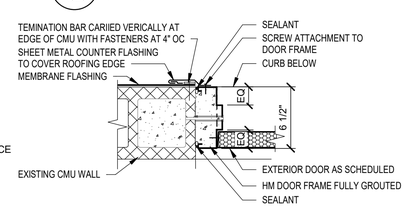
ROOF DETAIL
C6 / A626 SURFACE MOUNTED COUNTERFLASHING
6" = 1'-0"



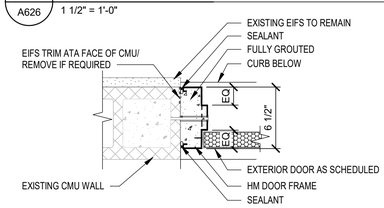
ROOF DETAIL - SURFACE MOUNTED COUNTERFLASHING
C3 / A626 COUNTERFLASHING
6" = 1'-0"



A8 / A626 ROOF DOOR SILL DETAIL
3" = 1'-0"



JAMB DOOR DETAIL BELOW EXISTING EIFS
B6 / A626
1 1/2" = 1'-0"



HEAD / JAMB DOOR DETAIL
A6 / A626
1 1/2" = 1'-0"

4 0 4 8
Scale: 1/4 INCH = 1 FOOT

2 0 2 4
Scale: 1/2 INCH = 1 FOOT

0 2" 4" 6"
Scale: 6 INCH = 1 FOOT

1 0 1
Scale: 1 1/2 INCH = 1 FOOT

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

Jacobs

DCCA ADM
WARRENTON, VA

LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ROOF DETAILS

WARRENTON — DCCA ADM — VA

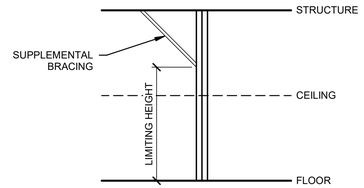
REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY A. FLORA
DRAWN BY M. PEREZ
CHECKED BY W. STEVENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A626 REV.

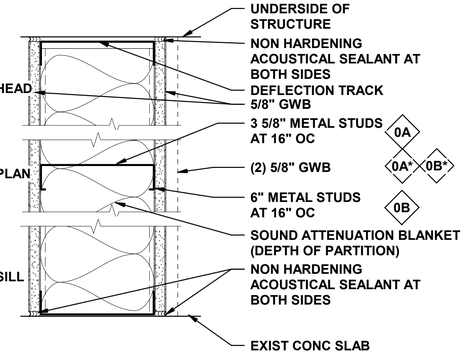
PLOT DATE/TIME: 3/9/2022 1:02:02 PM

GENERAL PARTITION INFORMATION

1. LIMITING HEIGHTS INDICATE THE MAXIMUM UNSUPPORTED HEIGHT FOR THAT PARTITION TYPE BASED ON A DEFLECTION CRITERIA RATIO OF L/240. WHERE FLOOR TO STRUCTURE HEIGHT OF PARTITION EXCEEDS THE INDICATED LIMITING HEIGHT, PROVIDE SUPPLEMENTAL BRACING TO MAINTAIN DEFLECTION RATIO WITHIN L/240.

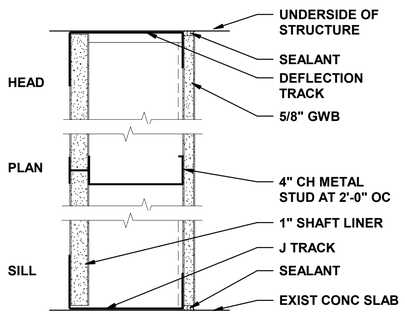


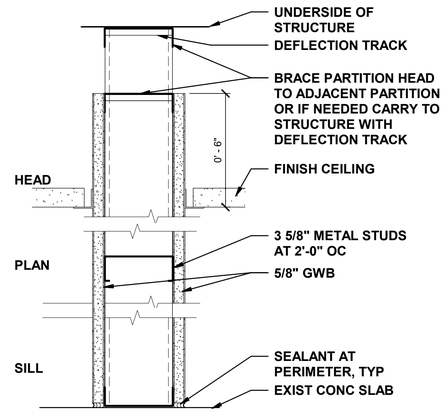
2. DO NOT SCALE DRAWINGS - FOLLOW WRITTEN DIMENSIONS ONLY.
3. PROVIDE MOISTURE RESISTANT GWB AT WET LOCATIONS, WITHOUT TILE, I.E., TOILET ROOM AND JANITOR CLOSETS.
4. PROVIDE CEMENTITIOUS BACKER FOR TILE BACK UP IN TOILET ROOMS.
5. PROVIDE TYPE-X GYPSUM WALL BOARD IN ALL RATED PARTITIONS.



0B 0B* 0A 0A* **7 1/4" PARTITION / 7 7/8" PARTITION**

4 7/8" PARTITION / 5 1/2" PARTITION	SCALE: 3" = 1'-0"
FIRE RATING: N/A	DESIGN: N/A
STC RATING: N/A	TEST NO: N/A



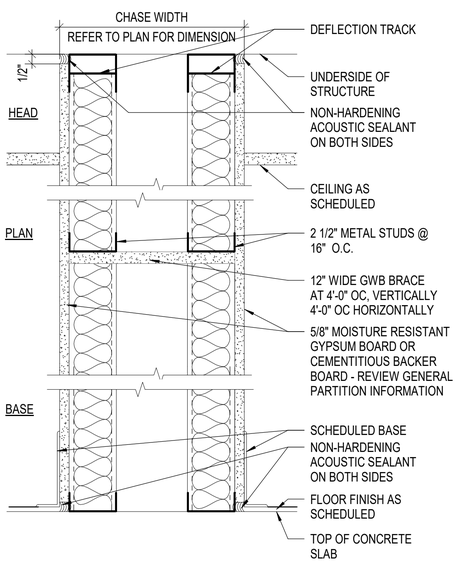


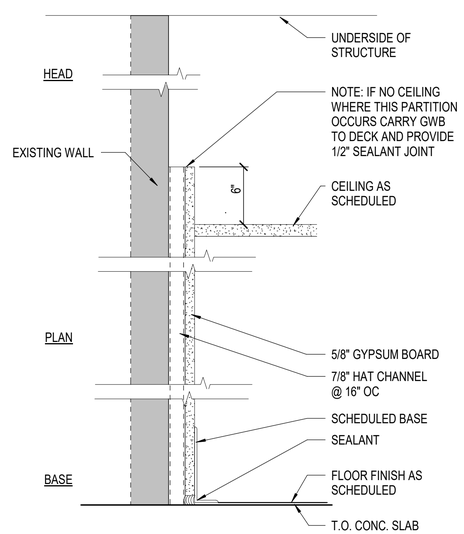
1D

4 5/8" PARTITION	SCALE: 3" = 1'-0"
FIRE RATING:1 HOUR	DESIGN: UL U499
STC RATING: N/A	TEST NO: N/A

0C

4 7/8" PARTITION	SCALE: 3" = 1'-0"
FIRE RATING:N/A	DESIGN: N/A
STC RATING: N/A	TEST NO: N/A



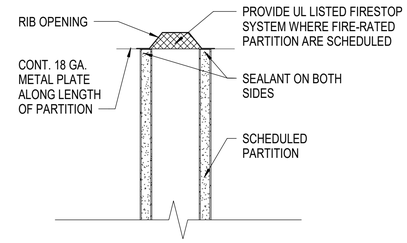


0J

NON-RATED, WITH STC	TH. VARIES
FIRE RATING: NON RATED	DESIGN: URC #66 SIM.
STC RATING: N/A	TEST NO: N/A

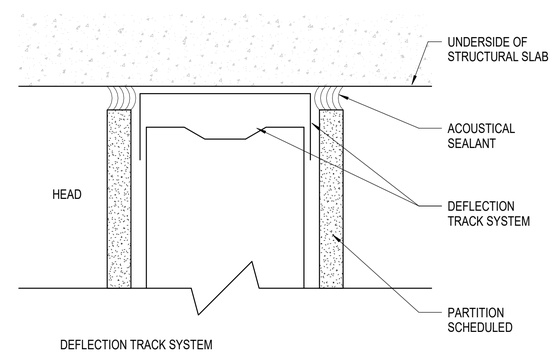
0H

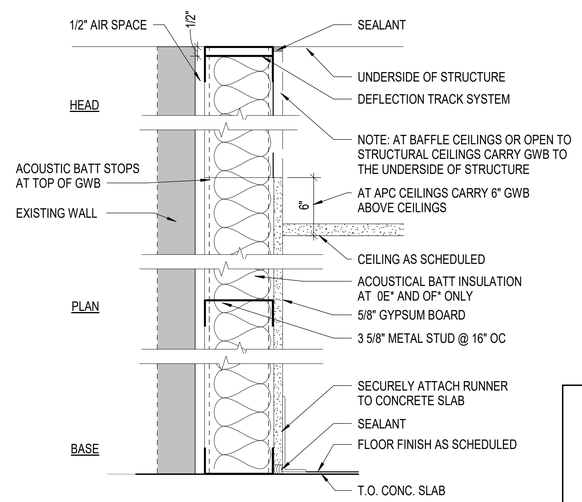
FURRING PARTITION	TH. 1 1/2"
FIRE RATING: NON RATED	DESIGN: N/A
STC RATING: NON RATED	TEST NO: N/A



G4 / A630 TYP HEAD AT METAL DECK

3" = 1'-0"





0G WITH 1 5/8" METAL STUDS @ 16" OC - TH. 2 1/4"

0F* 0F WITH 2 1/2" METAL STUDS @ 16" OC - TH. 3 1/8"

0E* 0E

4 1/4" FURRING PARTITON			SCALE: 3" = 1'-0"
FIRE RATING:	NON-RATED	DESIGN:	N/A
STC RATING:	NON-RATED	TEST NO.:	N/A

0 4" 8" 12"

Scale: 3 INCH = 1 FOOT

GENERAL SHEET NOTES

1. ALL FIRE-RATED PARTITIONS MUST BE FULL HEIGHT TO DECK ABOVE PROVIDE CONTINUOUS FIRE-RATED SEALANT AT ALL EDGES.
2. WHERE A PARTITION IS INDICATED TO BE FIRE-RATED, PROVIDE THROUGH-PENETRATION FIRE STOPPING (TESTED AND COMPATIBLE WITH LEVEL OF RATING INDICATED) AT ALL PENETRATIONS THROUGH PARTITION.
3. DUCT PENETRATIONS THROUGH SOUND BARRIER PARTITIONS MUST RECEIVE PERIMETER SOUND SEAL BETWEEN DUCT AND WALL FRAMING ON BOTH SIDES OF GYPSUM WALLBOARD LAYER MEETING DUCT SURFACES.
4. FINISH ALL EXPOSED GYPSUM WALLBOARD CONSTRUCTION. FINISH MUST BE IN ACCORDANCE WITH THE ROOM FINISH SCHEDULE AND/OR FINISH LEVELS NOTED IN THE GYPSUM WALLBOARD ASSEMBLIES SPECIFICATION SECTION.
5. PARTITION ARE PERPENDICULAR AND/OR PARALLEL TO COLUMN GRID. UNLESS OTHERWISE NOTED.
6. NOTES TO 'ALIGN' MEAN TO ALIGN FINISH FACE OF PARTITION UNLESS OTHERWISE NOTED AND MUST HAVE PRIORITY OVER DIMENSIONED LOCATIONS.
7. AT ALL ROOMS DESIGNATED AS 'TELECOM' PROVIDE 3/4", A/C GRADE OR BETTER, VOID-FREE FIRE RESISTANT PLYWOOD, KILN-DRIED TO MAXIMUM MOISTURE CONTENT OF 15%, ON FACE OF PARTITIONS INDICATED ON TELECOM DRAWINGS, EXTEND PLYWOOD FROM 4" ABOVE FLOOR TO 8'-4" AFF. FASTEN PLYWOOD THROUGH GYPSUM BOARD TO STEEL STUDS WITH 2" SCREWS AT 16" O.C. EACH WAY. GYPSUM BOARD CONCELED BY PLYWOOD NEED NOT BE PAINTED. FACE 'A' SIDE OF PLYWOOD OUTWARD INTO ROOM.
8. WHERE FURRED AREA REQUIRES ELECTRICAL COMPONENTS THAT REQUIRE GREATER CLEARANCE, USE 1-5/8" (20 GAGE) STEEL STUDS AT 16" O.C. IN LIEU OF 7/8" 'HAT SECTIONS'.
9. PROVIDE STEEL STUDS OF GAUGE AND SPACING ADEQUATE TO SUPPORT APPLIED LOADS INCLUDING HANDRAILS, GRAB BARS, WALL MOUNTED FIXTURES, ETC.
10. LIMITING HEIGHTS SHOWN ARE BASED ON MINIMUM STUD SECTION PROPERTIES AS LISTED IN THE STEEL STUD MANUFACTURER'S ASSOCIATION PRODUCT TECHNICAL INFORMATION PUBLICATION. WHERE GYPSUM BOARD IS PROVIDED ON ONE SIDE ONLY LIMITING HEIGHTS ARE BASED ON NON-COMPOSITE ACTION. WHERE GYPSUM BOARD IS PROVIDED NO BOTH SIDES LIMITING HEIGHTS ARE BASED ON COMPOSITE ACTION.
11. WHERE NOTED UL DESIGNS REFERENCE PROPRIETARY MATERIALS, EQUIVALENT MATERIALS FROM OTHER MANUFACTURERS WILL ONLY BE APPROVED UPON SUBMISSION BY THE CONTRACTOR OF EVIDENCE OR A SUCCESSFUL FIRE TEST BY AN INDEPENDENT TESTING LABORATORY OF THE PROPOSED MANUFACTURER'S ASSEMBLY INDICATING COMPLIANCE WITH THE LISTED FIRE-RESISTANT RATING.
12. IN PARTITIONS WITH SOUND ATTENUATION BLANKETS LOCATE ELECTRICAL DEVICES IN DEMISING PARTITION AS INDICATED.
13. PROVIDE WOOD OR METAL STRAP BLOCKING IN ALL STUD AND GYPSUM BOARD PARTITIONS FOR ALL FIRE PROTECTION CABINETS, CASEWORK, FINISH HARDWARE ITEMS, GRAB BARS, TOILET ACCESSORIES, TOILET PARTITIONS, HANDRAILS, CAMERAS, PLUMBING, MECHANICAL, ELECTRICAL ITEMS, ETC. AS REQUIRED.
14. PROVIDE BLOCKING IN ALL INTERIOR PARTITONS AND EXTERIOR WALLS AS REQUIRED TO SECURE ALL EQUIPMENT, ACCESSORIES, HANDRAILS, CASEWORK, ETC.
15. FOR ALL PARTITION TYPES WITH STC RATINGS LISTED PROVIDE ACOUSTICAL SEALANT AT ALL JOINTS AND INTERSECTIONS WITH DISSIMILAR MATERIALS AND OTHER LOCATIONS REQUIRING SEALANT.
16. SEALANT IS INDICATED AT PERIMETER OF ACOUSTICAL AND FIRE RATED PARTITIONS ON PARTITION TYPES. LIFE SAFETY PLANS INDICATE CERTAIN ROOMS TO HAVE PARTITIONS TO RESIST THE PASSAGE OF SMOKE TO OTHER INTERIOR ROOMS. THOSE ENCLOSING PARTITIONS MUST HAVE SEALANT AT PERIMETERS, AND JOINTS, AND PENETRATIONS WHETHER INDICATED ON PARTITION TYPES OR NOT.
17. FIRE RESISTANT AND FIRE RESISTANT SMOKE BARRIER RATINGS MUST SURROUND ALL OPENINGS IN RATED PARTITIONS.

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND
03.11.2022

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APV'D

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PARTITION SCHEDULE

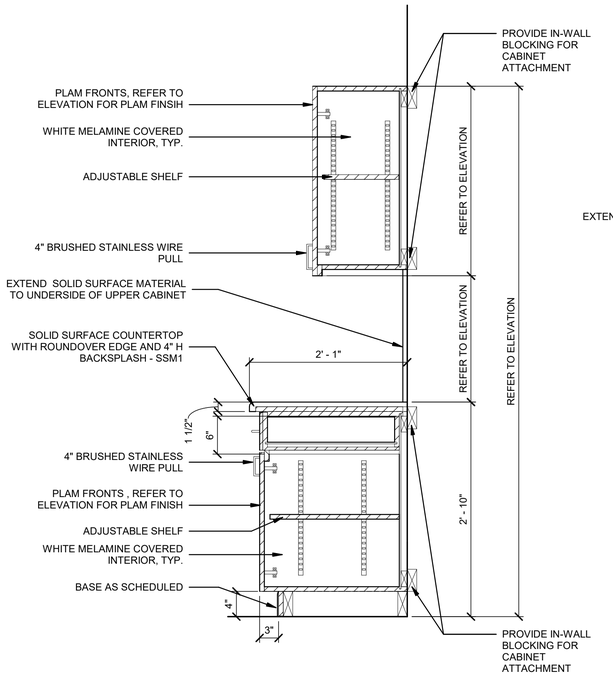
WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

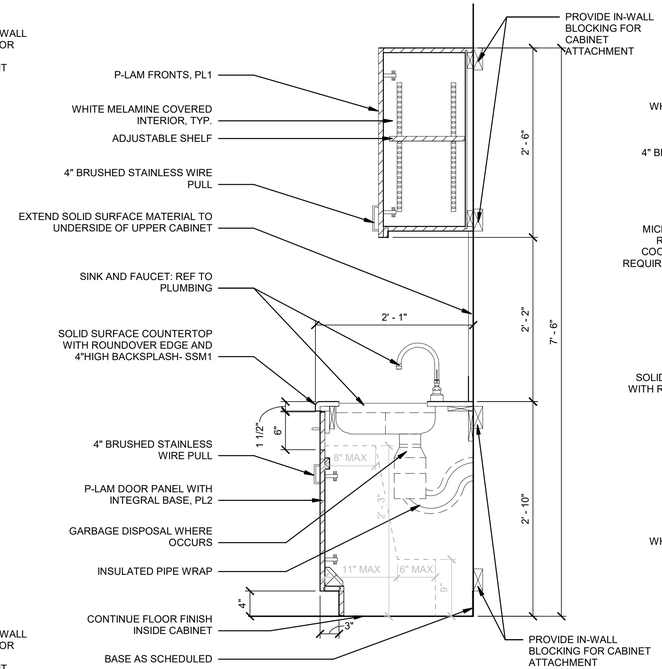
DESIGNED BY	K. MILLER	ISSUED BY	ENGINEERING SERVICES TERMINAL
DRAWN BY	K. MILLER	DATE	03/11/2022
CHECKED BY	W. STEVENS	JCN:	21001763
		DRAWING NO.	DCCA - D - ADM - A630
		REV.	

PLOT DATE/TIME: 3/9/2022 1:02:06 PM



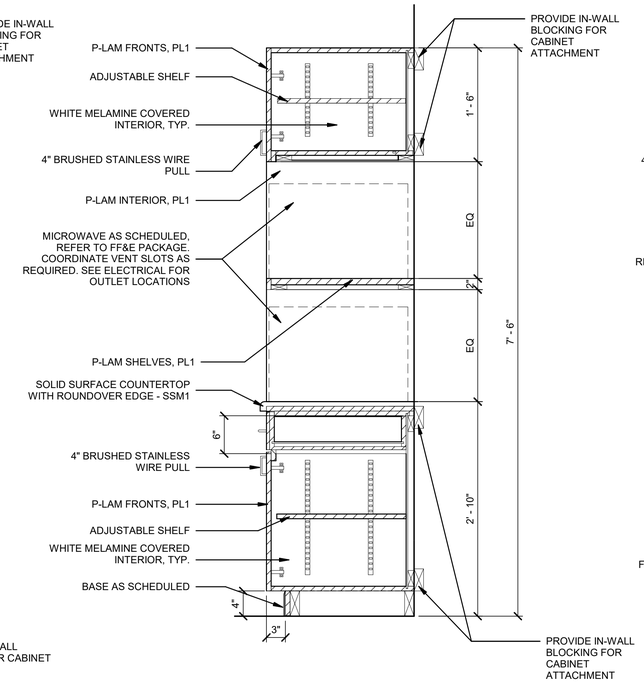
E8 UPPER AND BASE CABINETS

A640 1" = 1'-0"



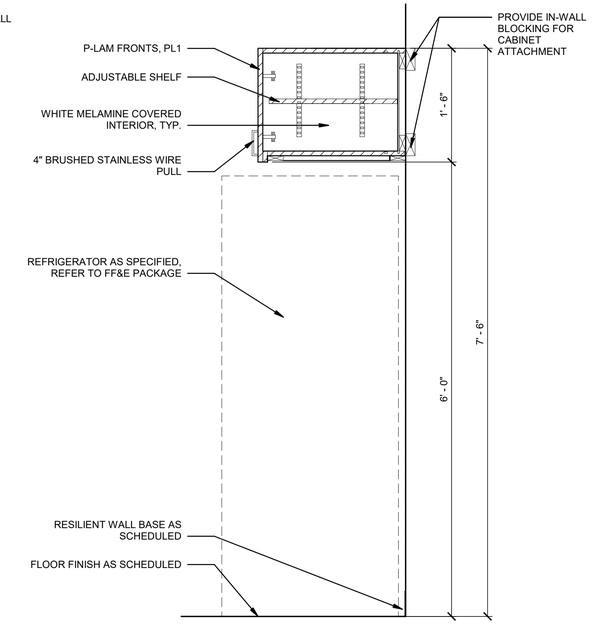
E6 UPPER AND BASE CABINETS AT SINK

A640 1" = 1'-0"



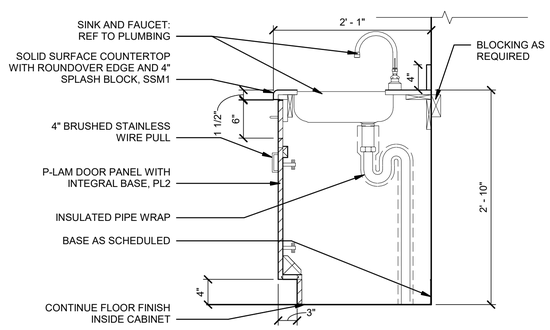
E4 MICROWAVE CABINET TOWER

A640 1" = 1'-0"



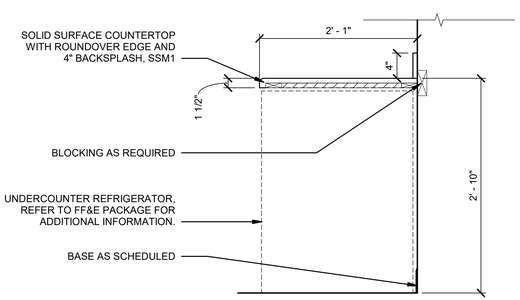
E2 UPPER CABINET AT REFRIGERATOR

A640 1" = 1'-0"



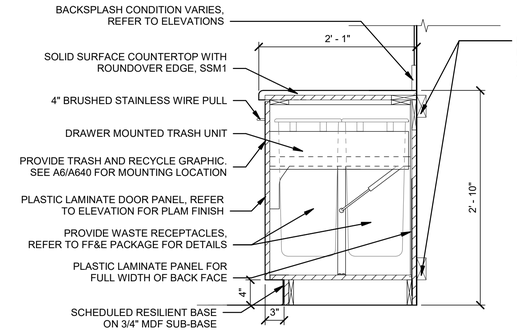
C8 BASE CABINET WITH SINK

A640 1" = 1'-0"



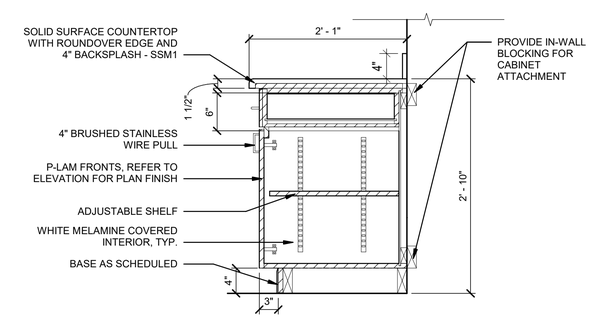
C6 COUNTER AT APPLIANCE

A640 1" = 1'-0"



C4 BASE CABINET AT TRASH DRAWER

A640 1" = 1'-0"



C2 BASE CABINET WITH DRAWER

A640 1" = 1'-0"

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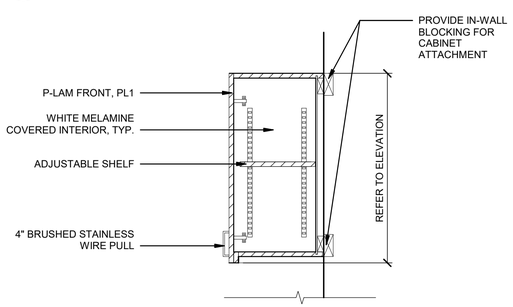
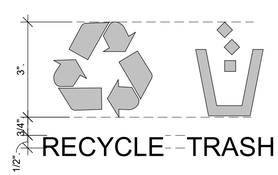
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552



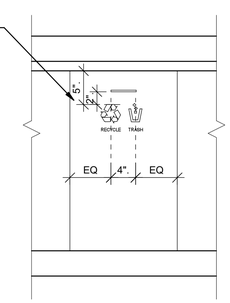
A8 UPPER CABINET, TYP.

A640 1" = 1'-0"

TOP EDGE OF GRAPHIC TO BE 2" BELOW SURFACE MOUNTED PULL, OR TO BE 5" BELOW TOP EDGE OF DOOR PANEL WHEN TAB PULL IS PRESENT. COORDINATE ON SITE. GRAPHICS TO HORIZONTALLY ALIGN.



NOTE:
VINYL GRAPHIC FILM TO BE EQUAL TO "SCOTCHCAL ELECTROCUT" PREMIUM CAST FILM AS MANUFACTURED BY 3M. COLOR TO BE SELECTED BY INTERIOR DESIGNER FROM PRODUCT'S STANDARD COLOR LINE. PROVIDE TWO ADDITIONAL GRAPHICS OF EACH DESIGN ON TRANSFER FILM FOR ATTIC STOCK. DELIVER TO TENANT REPRESENTATIVE.



A6 BASE CABINET TRASH DRAWER GRAPHIC

A640 1" = 1'-0"

1 1/2 0 1 2

SCALE: 1"=1'-0"

LICENSED ARCHITECT No.16412 ALAN N. FLORA STATE OF MARYLAND

03.11.2022

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/VD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

MILLWORK DETAILS

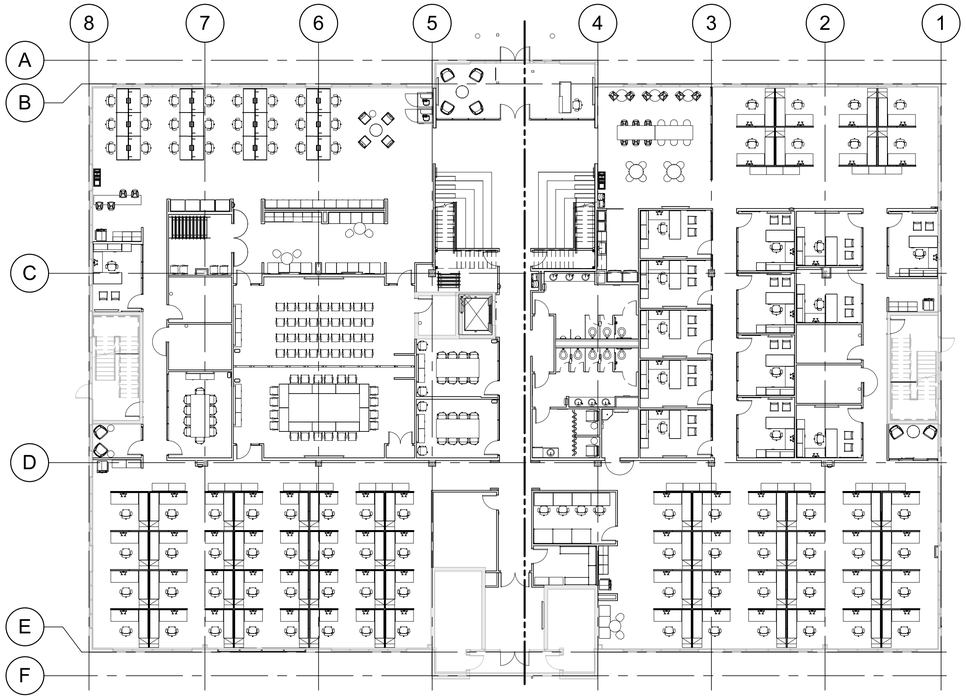
WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

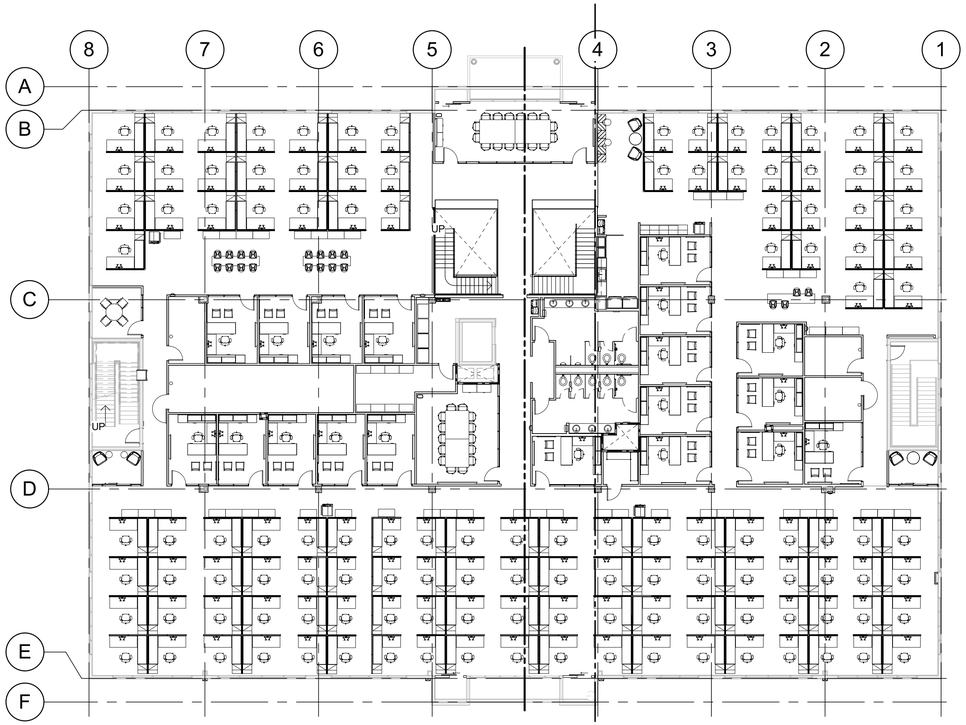
DESIGNED BY K. MILLER
DRAWN BY K. MILLER
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A640
REV.

PLOT DATE/TIME: 3/9/2022 1:02:12 PM



E8 A700 **FIRST FLOOR FURNITURE PLAN - OVERALL**

1/16" = 1'-0"



A8 A700 **SECOND FLOOR FURNITURE PLAN - OVERALL**

1/16" = 1'-0"

GENERAL SHEET NOTES

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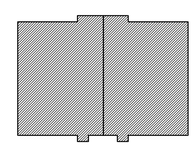


PARTS PLAN

24 16 8 0 24

SCALE: 1/16"=1'-0"

N

KEY NORTH

FOR OFFICIAL USE ONLY

PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

COMMONWEALTH OF VIRGINIA
KIMBERLY S. MILLER
Cert. No. 1060
4-11-2022
CERTIFIED INTERIOR DESIGNER

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/VD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

GUIDE PLAN - FIRST AND SECOND FLOOR FURNITURE PLANS

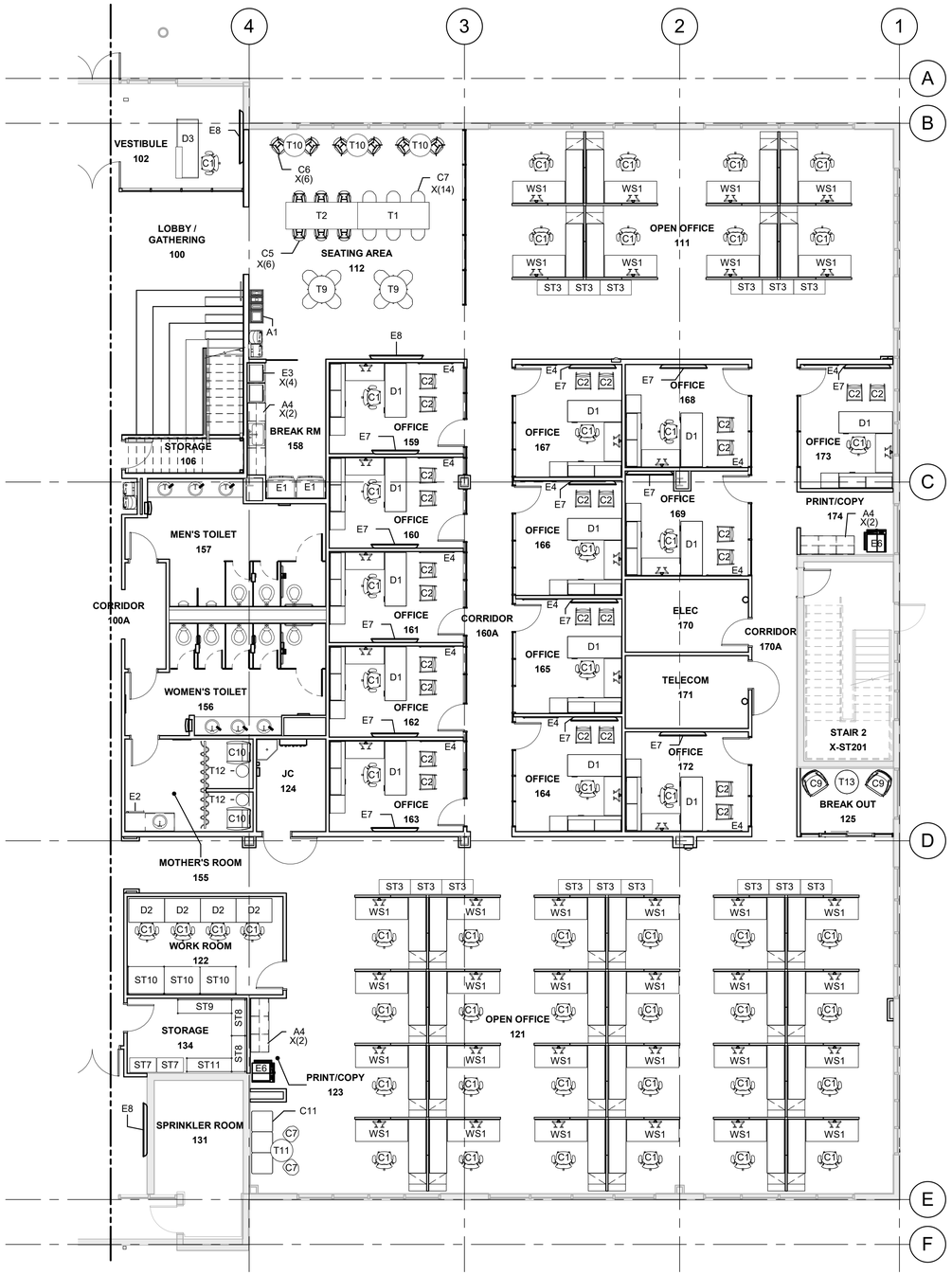
WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

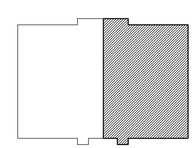
DESIGNED BY K. MILLER
DRAWN BY K. MILLER
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A700
REV.

PLOT DATE/TIME: 4/13/2022 2:26:57 PM



A8 FIRST FLOOR FURNITURE PLAN - PART 1

A701 1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

N

KEY NORTH

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G. PROVIDE (1) DESKSIDE WASTEBASKET (A3) PER WORKSTATION AND PRIVATE OFFICE.

FF&E LEGEND

ACCESSORIES
- A1 TRASH/RECYCLE RECEPTACLE
- A2 RECYCLE RECEPTACLE
- A3 DESKSIDE WASTEBASKET
- A4 TRASH/RECYCLE WASTEBASKET
- A5 CONFERENCE ROOM WASTEBASKET

SEATING
- C1 TASK CHAIR
- C2 GUEST CHAIR
- C3 CONFERENCE CHAIR, MID-BACK
- C4 CONFERENCE CHAIR, STACKING
- C5 STOOL, COUNTER HEIGHT
- C6 STOOL, BAR HEIGHT
- C7 SIDE CHAIR, BREAK AREA
- C8 LOUNGE CHAIR
- C9 LOUNGE CHAIR
- C10 LOUNGE CHAIR
- C11 BENCH, MODULAR
- C12 BENCH, THREE SEAT

DESKS
- D1 PRIVATE OFFICE TYPICAL
- D2 WORK DESK, 48"X30"
- D3 RECEPTION DESK

PHONE BOOTH
- PH1 FREESTANDING PHONE BOOTH

STORAGE
- ST1 LATERAL FILE, 5 DRAWER, 36" W
- ST2 LATERAL FILE, 3 DRAWER, 36" W
- ST3 LATERAL FILE, 3 DRAWER, 42" W
- ST4 LOCKER, 6 UNITS
- ST5 AV CREDENZA, 72"X 20"
- ST6 AV CREDENZA, 108"X20"
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- ST8 WIRE SHELVING, 48"W X 18"D
- ST9 WIRE SHELVING, 72"W X 18"D
- ST10 WIRE SHELVING, 48"W X 36"D
- ST11 WIRE SHELVING, 60"W X 18"D

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- T4 CONFERENCE TABLE, 60"X24"
- T5 CONFERENCE TABLE, 108"X48"
- T6 CONFERENCE TABLE, 144"X60"
- T7 CONFERENCE TABLE, 180"X60"
- T8 CONFERENCE TABLE, 48" DIA.
- T9 CAFE TABLE, SEATED HEIGHT, 36" DIA.
- T10 CAFE TABLE, STANDING HEIGHT, 30" DIA.
- T11 SIDE TABLE, 30" DIA.
- T12 PULL UP TABLE, 17" DIA.
- T13 OCCASIONAL TABLE, 30" DIA.
- T14 OCCASIONAL TABLE, 30" DIA.

WORKSTATIONS
- WS1 OPEN OFFICE TYPICAL 1, 8'-0" X 8'-0"
- WS2 OPEN OFFICE TYPICAL 2, 8'-0" X 6-0"
- WS3 OPEN OFFICE HOTELING STATIONS

EQUIPMENT
- E1 REFRIGERATOR, FULL SIZE
- E2 REFRIGERATOR, UNDERCOUNTER
- E3 MICROWAVE
- E4 GLASS MARKER BOARD
- E5 VENDING MACHINE, NIC
- E6 MULTIFUNCTION DEVICE, NIC
- E7 65" MONITOR, WALL-MOUNTED, NIC
- E8 75" MONITOR, WALL-MOUNTED, NIC
- E9 110" MONITOR, WALL-MOUNTED, NIC
- E10 55" MONITOR, WALL-MOUNTED, NIC

FOR OFFICIAL USE ONLY

PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

COMMONWEALTH OF VIRGINIA
KIMBERLY S. MILLER
Cert. No. 1060
03-11-2022
CERTIFIED INTERIOR DESIGNER

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/VD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR FURNITURE PLAN - PART 1

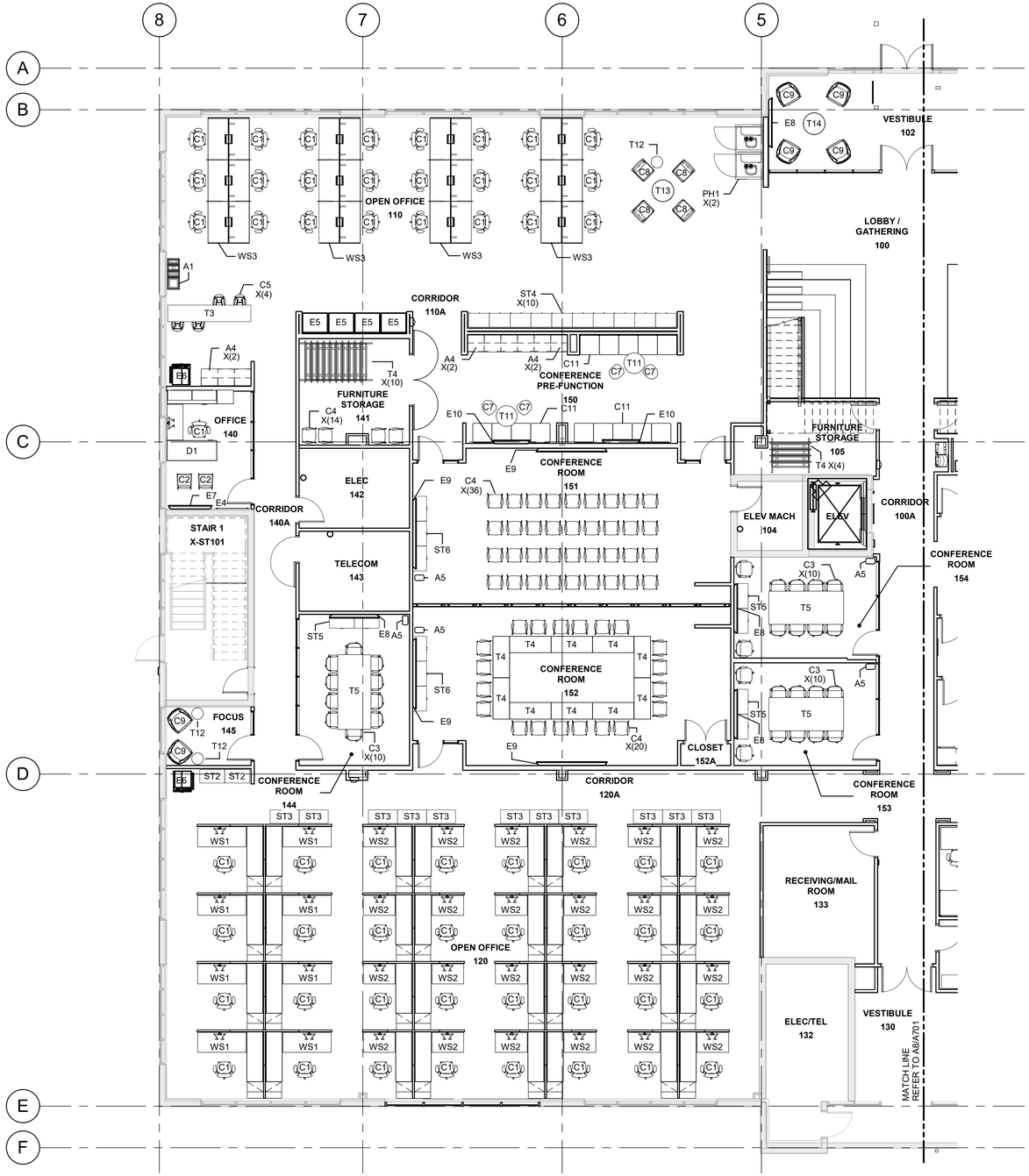
WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY K. MILLER
DRAWN BY K. MILLER
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A701
REV.

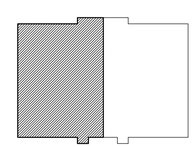
PLOT DATE/TIME: 4/13/2022 2:27:02 PM



A8 FIRST FLOOR FURNITURE PLAN - PART 2

A702

1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

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DESKS
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JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/D

COMMONWEALTH OF VIRGINIA
KIMBERLY S. MILLER
Cert. No. 1060
03-11-2022
CERTIFIED INTERIOR DESIGNER

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

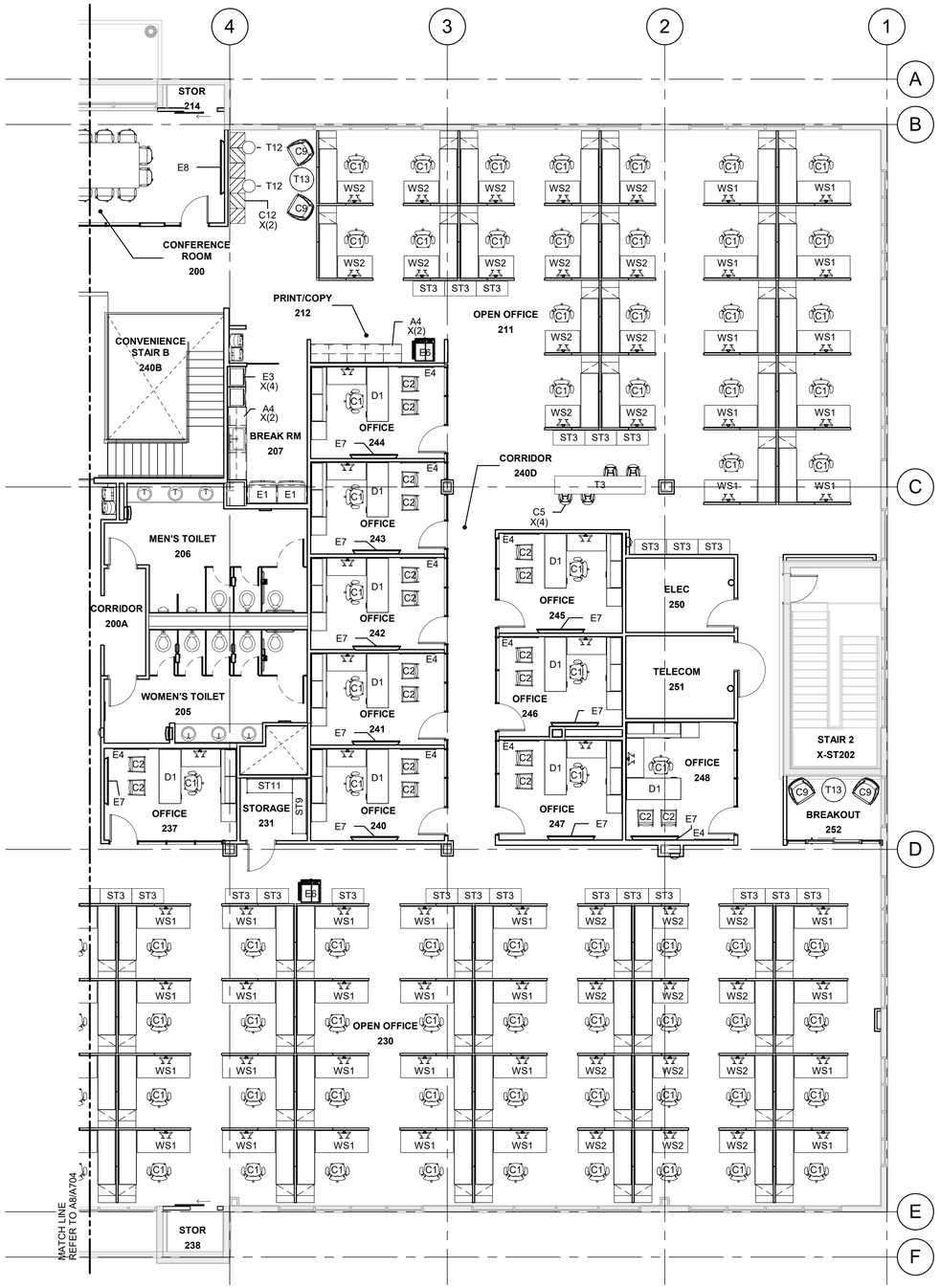
FIRST FLOOR FURNITURE PLAN - PART 2

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

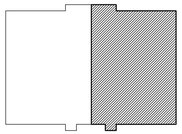
DESIGNED BY K. MILLER
DRAWN BY K. MILLER
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A702 REV.

PLOT DATE/TIME: 4/13/2022 2:27:07 PM



A8 SECOND FLOOR FURNITURE PLAN - PART 1

A703 1/8" = 1'-0"



PARTS PLAN

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR FURNITURE PLAN - PART 1

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

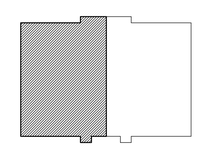
DESIGNED BY K. MILLER
DRAWN BY K. MILLER
CHECKED BY K. CHARBONEAU
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - A703 REV.

DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 4/13/2022 2:27:12 PM

A8 SECOND FLOOR FURNITURE PLAN - PART 2

A704 1/8" = 1'-0"



PARTS PLAN

8 0 8 16

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- WS3 OPEN OFFICE HOTELING STATIONS

EQUIPMENT
- E1 REFRIGERATOR, FULL SIZE
- E2 REFRIGERATOR, UNDERCOUNTER
- E3 MICROWAVE
- E4 GLASS MARKER BOARD
- E5 VENDING MACHINE, NIC
- E6 MULTIFUNCTION DEVICE, NIC
- E7 65" MONITOR, WALL-MOUNTED, NIC
- E8 75" MONITOR, WALL-MOUNTED, NIC
- E9 110" MONITOR, WALL-MOUNTED, NIC
- E10 55" MONITOR, WALL-MOUNTED, NIC

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REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

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03-11-2022
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Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR FURNITURE PLAN - PART 2

WARRENTON DCCA ADM VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY K. MILLER	ISSUED BY ENGINEERING SERVICES TERMINAL	DATE 03/11/2022	JCN: 21001763
DRAWN BY K. MILLER		DRAWING NO. DCCA - D - ADM - A704	REV.
CHECKED BY K. CHARBONEAU			

PLOT DATE/TIME: 4/13/2022 2:27:17 PM

HVAC LEGEND

EQUIPMENT

AHU 200
- SYMBOL
- EQUIPMENT DESIGNATION
- NUMBER

MISCELLANEOUS

- POINT OF CONNECTION OF NEW TO EXISTING
- POINT OF TERMINATION
- NEW WORK - DARK LINE WEIGHT
- EXISTING - LIGHT LINE WEIGHT
- TO BE DEMOLISHED

SINGLE LINE DUCTWORK

- FILTER
- COOLING COIL
- HEATING COIL
- LOUVER
- MOTORIZED PARALLEL BLADE DAMPER
- BACKDRAFT DAMPER
- MOTORIZED OPPOSED BLADE DAMPER
- ELECTRIC HEATING COIL
- FIRE/SMOKE DAMPER
- AIR FLOW MEASURING STATION/STATIC PRESSURE MEASURING STATION
- HUMIDIFIER
- UNIT HEATER
- FAN
- FAN WITH VARIABLE FREQ. MOTOR CONTROLLER
- RECTANGULAR TO ROUND TRANSITION
- SQUARE REDUCER/ INCREASER
- FLEXIBLE DUCT

DOUBLE LINE DUCTWORK

- 20X10 — RECTANGULAR DUCT (FIRST FIGURE IS SIDE SHOWN)
- 20"⌀ — ROUND DUCT (DIAMETER)
- LINED DUCT
- FLEXIBLE DUCT
- FLEXIBLE CONNECTION
- MANUAL DAMPER
- M A OBD BBD — MOTORIZED, AUTOMATIC, OPPOSED BLADE DAMPER, BACKDRAFT DAMPER
- FD SD — FIRE DAMPER, SMOKE DAMPER
- FSD — COMBINATION FIRE/SMOKE DAMPER
- FD/FSD/SD — VERTICAL DAMPER, SEE TAILS FOR TYPE
- TURNING VANES
- HIDDEN DUCTWORK
- SUPPLY DUCT (UP OR OUT)
- SUPPLY DUCT (DOWN)
- RETURN DUCT (UP OR OUT)
- RETURN DUCT (DOWN)
- EXHAUST AIR UP
- EXHAUST AIR DOWN
- S-X / 200 — DIFFUSER, GRILLE, OR REGISTER DESIGNATION; AIR FLOW RATE (CFM)
- PRG — CEILING PLENUM RETURN GRILLE, UNLESS OTHERWISE NOTED
- EXHAUST GRILLE
- SIZE / CFM — OUTSIDE AIR INTAKE
- DOOR LOUVER
- U — UNDERCUT DOOR
- R — DUCT RISE
- D — DUCT DROP
- TRANSITION-RECTANGULAR TO ROUND
- SPD — STATIC PRESSURE DAMPER
- T — THERMOSTAT

PIPING

SIZE (IN)

COND	CONDENSATE
CR	STEAM CONDENSATE RETURN
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CWS	COOLING TOWER WATER SUPPLY
CWR	COOLING TOWER WATER RETURN
D	DRAIN
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
IW	INDUSTRIAL WATER
RV	REFRIGERANT VENT
SAN	SANITARY DRAIN
LPS	LOW PRESSURE STEAM
VAC	VACUUM

PIPING (CONT.)

SYMBOL	ABBREVIATION	DESCRIPTION
		DIRECTION OF PITCH
		FLUID FLOW DIRECTION
		PIPE TURNING UP
		PIPE TURNING DOWN
		CONCENTRIC REDUCER
		ECCENTRIC REDUCER
		CAPPED PIPE/OUTLET
		PLUGGED PIPE/OUTLET
		WELD CAP
		PIPE HEADER WITH BLIND FLANGE
		HOT TAP/STOPPLE FITTING
	BV	BALL VALVE
M	FCV	FLOW CONTROL VALVE
		SHUT-OFF VALVE
	AV	ANGLE VALVE
	GLV	GLOBE VALVE
	CV	CHECK VALVE
	BFV	BUTTERFLY VALVE
M	FCV	FLOW CONTROL VALVE
	GC	GAS COCK
	PV	PLUG VALVE
		TEST COCK
		PETE'S PLUG
	U	UNION
		FLEXIBLE HOSE (FLANGED ENDS)
		FLEXIBLE HOSE (SCREWED ENDS)
		FLEXIBLE PIPE CONNECTOR
		AIR ELIMINATOR
	AV	MANUAL AIR VENT
	AAV	AUTOMATIC AIR VENT
		WATER METER
		FLOW CONTROL VALVE
		FLOW METER
		STRAP-ON SENSOR
S		SOLENOID VALVE
M		MOTOR OPERATED 2-WAY CONTROL VALVE
M		MOTOR OPERATED 3-WAY CONTROL VALVE
		STRAINER WITH BLOWDOWN VALVE
		TEST AND BALANCE VALVE
		PRESSURE REGULATING VALVE
	P/TRV	PRESSURE/TEMPERATURE RELIEF/SAFETY VALVE
		PUMP
	CP	INLINE PUMP
	PI	PRESSURE GAUGE
	TI	THERMOMETER
		DIAPHRAGM VALVE

ABBREVIATIONS

A	AMPERES
ABV	ABOVE
AD	ACCESS DOOR
AFF/G	ABOVE FINISHED FLOOR/GRADE
AAV	AUTOMATIC AIR VENT
AC	AIR CONDITIONING
ACGIH	AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
ACT	ACCOUSTICAL TILE, ACTUAL
ACM	ASBESTOS CONTAINING MATERIAL
ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR
ADA	AMERICANS WITH DISABILITIES
ADD	ADDENDUM, ADDITION
ADDL	ADDITIONAL
ADH	ADHESIVE
ADJ	ADJACENT
AF	AFTER FILTER, AIR FOIL
AFF	ABOVE FINISHED FLOOR
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
AIA	AMERICAN INSTITUTE OF ARCHITECTS
ALT	ALTERNATE, ALTITUDE
AMB	AMBIENT
AMP	AMPERE
ANCH	ANCHOR
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
APPROX	APPROMIXATE, APPROXIMATELY
APRVD	APPROVED
ARCH	ARCHITECT
AS	AIR SEPARATOR
ATTEN	ATTENUATION
AV	MANUAL AIR VENT
AVG	AVERAGE
B	BOILER
BAS	BUILDING AUTOMATION SYSTEM
BEL	BELOW
BDD	BACK DRAFT DAMPER
BF	BLIND FLANGE
BFP	BACK FLOW PREVENTER
BHP	BRAKE HORSEPOWER
BM	BEAM
BOD	BOTTOM OF DUCT, BASIS OF DESIGN
BOT	BOTTOM
BT	BOTTOM THROAT, BUFFER TANK
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
C	CONDENSER
CAP	CAPACITY
CAV	CONSTANT AIR VOLUME
CC	COOLING COIL
CD	CEILING DIFFUSER, CONTROL DAMPER
CFM	CUBIC FEET PER MINUTE
CFR	CODE OF FEDERAL REGULATIONS
CH	CHILLER
CLG	CEILING
COMPR	COMPRESSOR
COND	CONDENSATE
CONN	CONNECTION
CONT	CONTINUATION
COR	CONTRACTING OFFICER'S REPRESNTATIVE
CP	CONTROL PANEL
CU	CONDENSING UNIT
CV	CONSTANT VOLUME, CONTROL VALVE
CW	COLD WATER
D	DROP, DRAIN
DB	DRY BULB
DCW	DOMESTIC COLD WATER
DDCS	DIRECT DIGITAL CONTROL SYSTEM
DE	DEMOLISH EXISTING
DEG	DEGREE
DEGF	DEGREES FAHREINHEIT
DEMO	DEMOLITION
DHW	DOMESTIC HOT WATER
DIAM, DIA	DIAMETER
DMPR	DAMPER
DN	DOWN
DP	DIFFERENTIAL PRESSURE
DWG	DRAWING
E, (E)	EXISTING
EA	EXHAUST AIR
EAL	EXHAUST AIR LOUVER
EAT	ENTERING AIR TEMPERATURE
EDB	ENTERING DRY BULB TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EFF	EFFICIENCY
EH	ELECTRIC HUMIDIFIER
EL	ELEVATION
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATION
ENT	ENTERING
ER	EXISTING RELOCATED, EXHAUST REGISTER
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EWB	ENTERING WET BULB
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
EXH	EXHAUST
EXP	EXPANSION
F	FILTER
°F	DEGREES FAHREINHEIT
FA	FREE AREA (SQ.FT)
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER
FF	FINAL FILTER
FIN FL, FF	FINISHED FLOOR
FL	FLOOR
FLA	FULL LOAD AMPERES
FLEX	FLEXIBLE
FLR	FLOOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FRP	FIBERGLASS REINFORCED PIPE
FSD, FD/SD	COMBINATION FIRE AND SMOKE DAMPER
FT	FEET
FT H20	FEET OF WATER
FTR	FINNED TUBE RADIATION
FV	FACE VELOCITY
G, GA	GAUGE
GAL	GALLON
GALV'D	GALVANIZED
GEN	GENERATOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRADE
GX	GENERAL EXHAUST
GYP	GYPSUM
H, (H)	HEIGHT
HB	HOSE BIBB
HC	HEATING COIL
HD	HEAD
HORZ	HORIZONTAL
HP	HORSEPOWER, HEAT PUMP
HR	HOUR
HS	HAND SWITCH
HTG	HEATING
HTR	HEATER
HTP	HOT TAP/ STOPPLE FITTING
HU	HUMIDIFIER
HWC	HOT WATER COIL
HWP	HOT WATER PUMP
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HV	HEATING AND VENTILATION
HZ	HERTZ
INS	INSULATION
IPLV	INTEGRATED PART LOAD VALUE
IPS	IRON PIPE SIZE
IN	INCH OR INCHES
IN WC	INCHES WATER COLUMN
IN WG	INCHES WATER GAUGE
IW	INDUSTRIAL WATER
KW	KILOWATT
L, (L)	LENGTH
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LBS/HR	POUNDS PER HOUR
LDB	LEAVING DRY BULB TEMPERATURE
LIN FT, LF	LINEAR FEET
LPS	LOW PRESSURE STEAM
LV	LOW VOLTAGE
LWB	LEAVING WET BULB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MCA	MINIMUM CURRENT AMPACITY
MECH	MECHANICAL
MFS	MAXIMUM FUSE SIZE
MFR	MANUFACTURER
MIN	MINIMUM
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MOCP	MAXIMUM OVERCURRENT PROTECTION
MOT, MTR	MOTOR
MTD	MOUNTED
NC	NORMALLY CLOSED, NOISE CRITERIA
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN, NUMBER
NOM	NOMINAL
NPLV	NON-STANDARD PART LOAD VALUE
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAL	OUTSIDE AIR LOUVER
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OD	OUTSIDE DIAMETER, OPEN DRAIN
OED	OPEN END DUCT
OPNG	OPENING
OPP	OPPOSITE
PD	PRESSURE DROP
PERF	PERFORATED, PERFORMANCE
PERP	PERPENDICULAR
PF	PACKAGED FILTER, PREFILTER
PH	PHASE
PLUM	PLUMBING
PRV	PRESSURE REDUCING VALVE
PRESS.	PRESSURE
PSI	POUNDS PER SQUARE INCH
PSIG	PSI GAUGE
PSIA	PSI ABSOLUTE
PVC	POLYVINYL CHLORIDE
PWR	POWER
QUAL	QUALITY
QTY	QUANTITY
R	RELOCATED, RISE
RA	RETURN AIR
RAD	RADIATION, RADIANT HEATER
RE	RADON EXHAUST
REM	REMOVE
REQ	REQUIRED
RG	RETURN GRILLE
RH	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
RR	RETURN REGISTER
RX	REMOVE EXISTING
SA	SUPPLY AIR, SOUND ATTENUATOR
SEN, SENS	SENSIBLE
SF	SUPPLY FAN
SG	SUPPLY GRILLE
SD	SMOKE DETECTOR
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SR	SUPPLY REGISTER
T	THROAT
TA	TRANSFER AIR
TDH	TOTAL DYNAMIC HEAD
TEMP	TEMPERATURE
TS	TIGHT TO STRUCTURE
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TV	TURNING VANES
TYP	TYPICAL
TX	TOILET EXHAUST
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VAC	VACUUM
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VSD	VARIABLE SPEED DRIVE
W, (W)	WIDTH
W/	WITH
W/O	WITHOUT
WB	WET BULB
WMS	WIRE MESH SCREN
WP	WORKING PRESSURE
WPD	WATER PRESSURE DROP

GENERAL NOTES

A. ABBREVIATIONS SHOWN MAY BE USED ON THIS PROJECT.

B. FOR LOCATIONS AND SIZES OF WALL OPENINGS SEE ARCHITECTURAL DRAWINGS.

C. INSTALLATION MUST PROVIDE READY ACCESS TO VALVES, DAMPERS, COILS AIR FILTERS, AND OTHER DEVICES. ACCESS DOORS MUST BE INSTALLED TO PROVIDE ADEQUATE CLEARANCES FOR DIRECT ACCESS.

D. FOR LOCATION OF CEILING DIFFUSERS AND GRILLES SEE ARCHITECTURAL REFLECTED CEILING PLANS.

E. DESIGNATE A PERSON TO BE RESPONSIBLE FOR FIRE PROTECTION DURING WELDING AND CUTTING OPERATIONS. PERSON PERFORMING FIRE PROTECTION DUTIES MUST NOT BE SAME INDIVIDUAL THAT IS PERFORMING WELDING OPERATIONS. COMPLY WITH OSHA STANDARDS FOR WELDING IN 29 CFR-1910 AND 29 CFR-1926. PROVIDE TEMPORARY FIRE EXTINGUISHERS DURING CONSTRUCTION. WELDING MUST BE SCHEDULED IN WRITING WITH COR AND MUST BE PERFORMED OUTSIDE OF FACILITY OR IN SAFE LOCATION TO BE DETERMINED BY COR.

F. FOR WELDING THAT MUST BE PERFORMED INSIDE THE BUILDING, PROVIDE LOCAL MECHANICAL VENTILATION DURING WELDING DUCTED TO OUTSIDE, APPROVED BY FAA AND AMERICAN CONFERENCE OF GOVERMENTAL INDUSTRIAL HYGIENISTS (ACGIH).

G. NO WELDING MUST BE POWERED FROM FACILITY ELECTRICAL SYSTEM. CONNECT METAL TO BE WELDED TO A GOOD EARTH GROUND. FACILITY STRUCTURAL STEEL OR PIPING MUST NOT BE USED AS A GROUND PATH.

H. AIR FLOW QUANTITIES SHOWN ARE FLOW QUANTITIES AT SITE ELEVATION.

I. EQUIPMENT MUST BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.

J. LOCATIONS, SIZES, CLEARANCES AND CONFIGURATIONS OF EQUIPMENT SHOWN ARE BASED ON SPECIFIC SCHEDULED MANUFACTURERS AND MODEL NUMBERS. SUBSTITUTION OF SUCH EQUIPMENT MANUFACTURERS WILL REQUIRE THE CONTRACTORS PRIOR VERIFICATION OF CONFORMANCE PER THE REQUIREMENTS OF LOCATION, SIZE CLEARANCES AND CONFIGURATION AS COMPARED TO SPACE ALLOCATED TO HOUSE SPECIFIC EQUIPMENT. RESUBMIT PROPOSED EQUIPMENT TO CONTRACTING OFFICER'S REPRESENTATIVE (COR) FOR APPROVAL, PRIOR TO INSTALLATION.

K. SUPPLY AND RETURN AIR DUCTWORK MUST BE CONSTRUCTED, INSTALLED, AND INSULATED AS SPECIFIED; INSPECT DUCTWORK, SUPPORTS AND INSULATION FOR DAMAGE OR FAULTY INSTALLATION. REPLACE, OR REPAIR AS REQUIRED SO THAT FINAL INSTALLATION IS ADEQUATELY SEALED FROM LEAKS, FREE OF DEFECTS, AND IN ACCORDANCE WITH SPECIFICATIONS.

L. PROVIDE LOCAL VENTILATION DURING APPLICATION OF PRODUCTS WHICH MAY CAUSE ACUTE OR CHRONIC HEALTH OR SAFETY EFFECTS TO FACILITY OCCUPANTS IN ACCORDANCE WITH OSHA AND ACGIH REQUIREMENTS. SUBMIT VENTILATION PLAN TO COR FOR APPROVAL.

M. BUILDING CONTAINS HAZARDOUS MATERIALS. REFER TO HAZMAT ABATEMENT SHEETS HZ105, HZ115, HZ125, AND HZ133 FOR CAUTIONS AND SPECIFIC AREAS WHERE HAZARDOUS MATERIALS OCCUR.

N. PROVIDE FIRE DAMPERS IN PENETRATIONS OF FIRE RATED FLOORS, WALLS AND PARTITIONS IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE.

O. PROVIDE 2 INCH THICK INSULATED METAL BLANK OFF PANELS FOR UNUSED PORTIONS OF LOUVERS.

P. USE OF FLEXIBLE DUCTS MUST BE LIMITED TO AIR OUTLET CONNECTIONS AND MUST NOT EXCEED 5'-0" IN LENGTH. AIR DEVICES INSTALLED IN A HARD CEILING WITHOUT ACCESS MUST BE COMPLETELY HARD-DUCTED.

Q. PROVIDE WIRE MESH SCREENS FOR DUCT OPENINGS WITHOUT GRILLES.

R. FOR AREAS WITH INACCESSIBLE VOLUME DAMPERS, PROVIDE DAMPER WITH FLEXIBLE METAL CABLE OPERATORS FOR REMOTE OPERATION OF THE DAMPER THROUGH FACE OF DIFFUSER, GRILLE OR REGISTER.

S. PROVIDE A DETAILED SCHEDULE FOR DEMOLITION OF HVAC EQUIPMENT AND INSTALLATION OF NEW HVAC SYSTEMS. COORDINATE WITH COR PRIOR TO REMOVAL OF EQUIPMENT.

T. PRIOR TO THE DEMOLITION OF ITEMS WHICH HAVE UTILITIY CONNECTIONS (WATER, ELECTRICITY, GAS ETC.) ARRANGE WITH COR TO LOCATE SHUT-OFF VALVES, PANEL BOXES AND OTHER CONTROL ELEMENTS. FAA PERSONNEL MUST SHUT OFF, ISOLATE EQUIPMENT AND BRING EQUIPMENT BACK ONLINE.

U. REFER TO STRUCTURAL SHEET S001 FOR APPLICABLE WIND LOAD CRITERIA.

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ABBREVIATIONS, SYMBOLS AND GENERAL NOTES

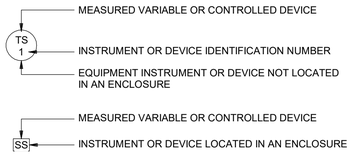
WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE
DESIGNED BY S. DODSON	ISSUED BY ENGINEERING SERVICES TERMINAL	DATE / JCN: 21001763
DRAWN BY S. DODSON		DRAWING NO. DCCA - D - ADM - M000 / REV.
CHECKED BY J. LEMENS		

DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 3/10/2022 3:45:36 PM

CONTROLS & INSTRUMENTATION



ACD	ADRESSABLE CONTROL DEVICE
AFM	AIR FLOW METER
AFS	AIR FLOW SWITCH
AM	AMPERAGE
AX	AUXILIARY CONTACT
C	COMMON
CD	CONTROL DAMPER
CI	COMMAND INPUT
COMM	COMMUNICATIONS
CR	CURRENT RELAY
DDCP	DIRECT DIGITAL CONTROL PANEL
DDCS	DIRECT DIGITAL CONTROL SYSTEM
DI	DAMPER POSITION INDICATOR
DPS	DIFFERENTIAL PRESSURE SWITCH
ECMS	ENERGY CONTROL AND MONITORING SYSTEM
ED	ENABLE/DISABLE
FACP	FIRE ALARM CONTROL PANEL
FCV	FLOW CONTROL VALVE
GFH	GAS-FIRED HEATER
H	HORN
HS	HUMIDITY SENSOR
JB	JUNCTION BOX
M	ELECTRIC MOTOR/ACTUATOR
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
PD	PRESSURE DIFFERENTIAL SENSOR
PDI	PRESSURE DIFFERENTIAL INDICATOR
SD	SMOKE DETECTOR
SL	STROBE LIGHT
SS	START/STOP
SW	SWITCH
T	THERMOSTAT
TS	TEMPERATURE SENSOR

- - - - - - ELECTRONIC INTERLOCK WIRING

– — – DDC CONTROL SYSTEM WIRING

AID ADDRESSABLE INTERFACE MODULE

X DDCP DATA INPUT/OUTPUT TO CENTRAL FEPC

DI DIGITAL INPUT TO DDCP

DO DIGITAL OUTPUT FROM DDCP

AI ANALOG INPUT TO DDCP

AO ANALOG OUTPUT FROM DDCP

CONSTRUCTION SEQUENCE

I. NOTES AND PREPARATION

DEMOLITION

1. REMOVAL OF EQUIPMENT SHALL INCLUDE REMOVAL OF ASSOCIATED PIPING, SUPPORT, INSULATION, MOTORS ELECTRICAL CONNECTIONS, AUTOMATIC CONTROL WIRING AND ITS COMPONENTS UNLESS OTHERWISE NOTED (UON).
2. DEMOLITION DRAWINGS INDICATE PIPING AND EQUIPMENT WITHIN THE WORK AREA. REMOVE AND REINSTALL (AS REQUIRED) PIPING, ELECTRICAL WIRING, CONDUITS, LIGHTNING PROTECTION, ETC. NOT INDICATED AND NOT RELATED TO THE EQUIPMENT INSTALLATION WHERE THEY INTERFERE WITH THE WORK. OBTAIN PRIOR APPROVAL FROM COR FOR SUCH WORK. REFER TO ELECTRICAL SPECIFICATIONS FOR ELECTRICAL REQUIREMENTS.

NEW WORK

1. PHYSICAL SIZES AND LOCATION OF EQUIPMENT AND ASSOCIATED PIPING ARE APPROXIMATE. VERIFY SIZES AND DIMENSIONS AFFECTING THE WORK.
2. DRAWINGS DO NOT SHOW ALL REQUIRED FITTINGS, ELBOWS, AND/OR OFFSETS. FINAL INSTALLATION OF ALL FITTINGS, ELBOWS, AND OFFSETS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AT NO ADDITIONAL COST TO THE FAA.
3. VERIFY AND COORDINATE DIMENSIONS, VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT PRIOR TO ORDERING AND SUBMIT THIS INFORMATION WITH SHOP DRAWINGS.
4. COORDINATE THE INSTALLATION OF MECHANICAL WORK WITH THE WORK OF OTHER TRADES.
5. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE CODES, THE PRINTED INSTALLATION INSTRUCTIONS OF THE MANUFACTURER, THE SPECIFICATIONS, AND APPROVED SHOP DRAWINGS.

PREPARATION

A. VERIFY LOCATIONS AND DIMENSIONS OF EXISTING EQUIPMENT AND COORDINATE WORK PRIOR TO THE START OF CONSTRUCTION. BEFORE THE START OF DEMOLITION AND CONSTRUCTION FOR COOLING TOWERS, PUMPS AND ACCESSORIES SHALL BE APPROVED AND ON SITE. APPROVED CONSTRUCTION PLANS SHOWING FABRICATED LENGTH OF PIPING AND PLACEMENT OF EQUIPMENT SHALL BE COMPLETED AND APPROVED BEFORE START OF WORK. THIS MUST INCLUDE ELEVATIONS AND ANY MODIFICATION DUE TO CONFLICTS AND "AS IS" CONDITIONS.

B. PROTECT FLOOR DRAINS, ROOF DRAINS AND STORM DRAINS FROM DAMAGE AND DEBRIS AT ALL TIMES. DRAINS SHALL NOT BE USED FOR DISPOSAL OF CONSTRUCTION MATERIALS.

C. SHUTDOWN AND REMOVAL OF THE EQUIPMENT AND PIPING SHALL BE ACCOMPLISHED BY CLOSING SHUT-OFF VALVES AND DE-ENERGIZING ELECTRICAL SUPPLY. THIS WORK SHALL BE SCHEDULED AND COORDINATED WITH THE COR BEFORE START OF WORK. MECHANICAL AND ELECTRICAL SHUTDOWN FOR WORK SHALL BE ACCOMPLISHED BY FAA PERSONNEL.

D. COORDINATE ALL WORK WITH THE WORK OF OTHER TRADES. ELECTRICAL WORK SHALL MATCH MECHANICAL PHASING PLAN AS REQUIRED.

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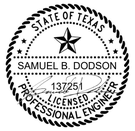

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

MECHANICAL INSTRUMENTATION AND CONSTRUCTION SEQUENCE

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY	S. DODSON	ISSUED BY	ENGINEERING SERVICES TERMINAL
DRAWN BY	S. DODSON		
CHECKED BY	J. LEMENS		

DATE — JCN: 21001763
DRAWING NO. DCCA - D - ADM - M001 — REV.

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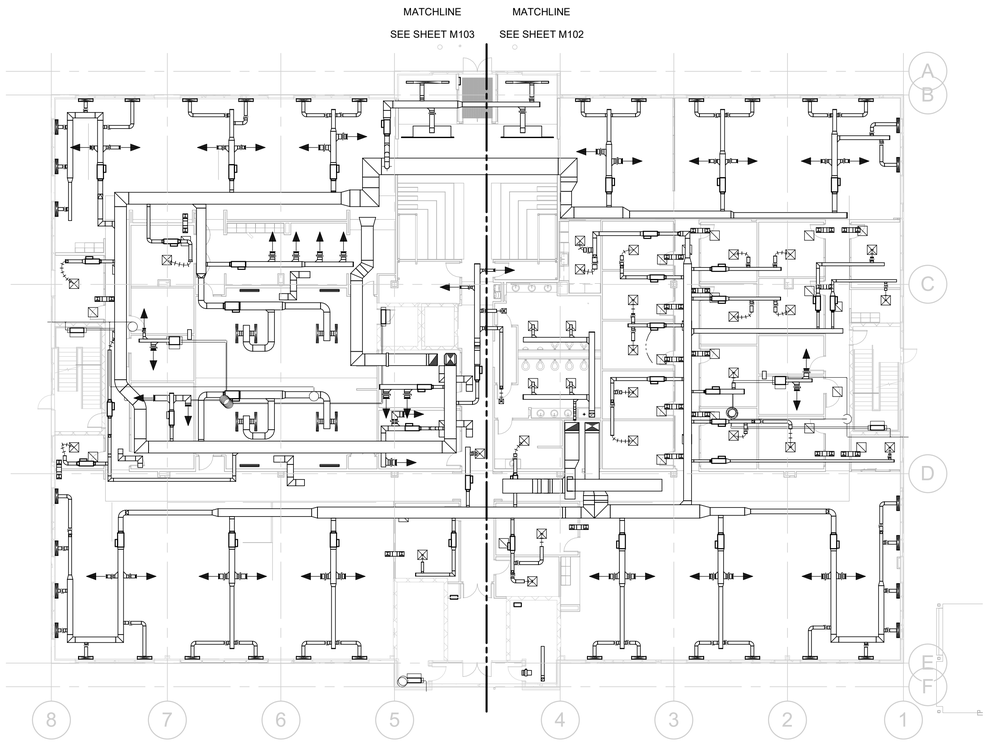
GENERAL SHEET NOTES

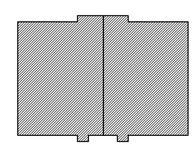
A. REFER TO DRAWING M001 AND M002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

SHEET NOTES



C8 / M100 **HVAC AND HVAC PIPING LEVEL 1 - OVERALL**

1/16" = 1'-0"



PARTS PLAN

16 0 16 32

Scale: 1/16 INCH = 1 FOOT

KEY NORTH

STATE OF TEXAS
SAMUEL B. DODSON
137251
LICENSED
PROFESSIONAL ENGINEER

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JACOBS
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SUITE 500
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DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

HVAC AND HVAC PIPING LEVEL 1 - OVERALL

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY S. DODSON
DRAWN BY S. DODSON
CHECKED BY J. LEMENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE
JCN: 21001763
DRAWING NO. DCCA - D - ADM - M100
REV.

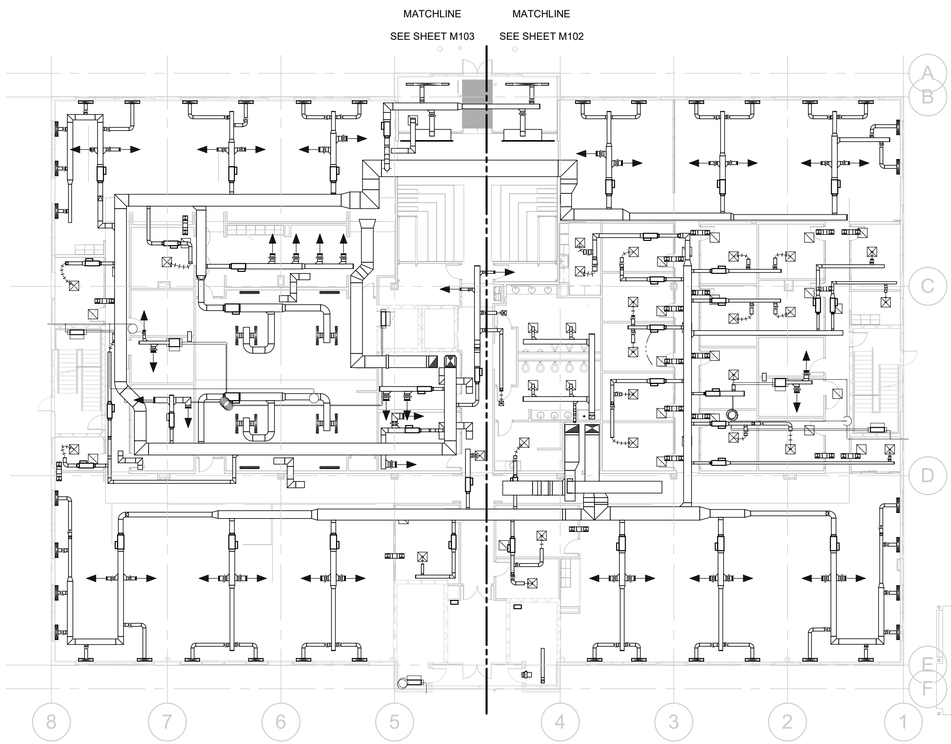
DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 3/10/2022 3:45:38 PM

GENERAL SHEET NOTES

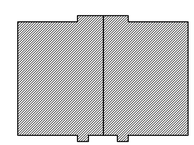
A. REFER TO DRAWING M001 AND M002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

SHEET NOTES



C8 / M100 HVAC AND HVAC PIPING LEVEL 1 - OVERALL

1/16" = 1'-0"



PARTS PLAN

16 0 16 32

Scale: 1/16 INCH = 1 FOOT

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FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

HVAC AND HVAC PIPING LEVEL 1 - OVERALL

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY

SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY S. DODSON
DRAWN BY S. DODSON
CHECKED BY J. LEMENS

ISSUED BY: ENGINEERING SERVICES TERMINAL

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DCCA ADM
WARRENTON, VA

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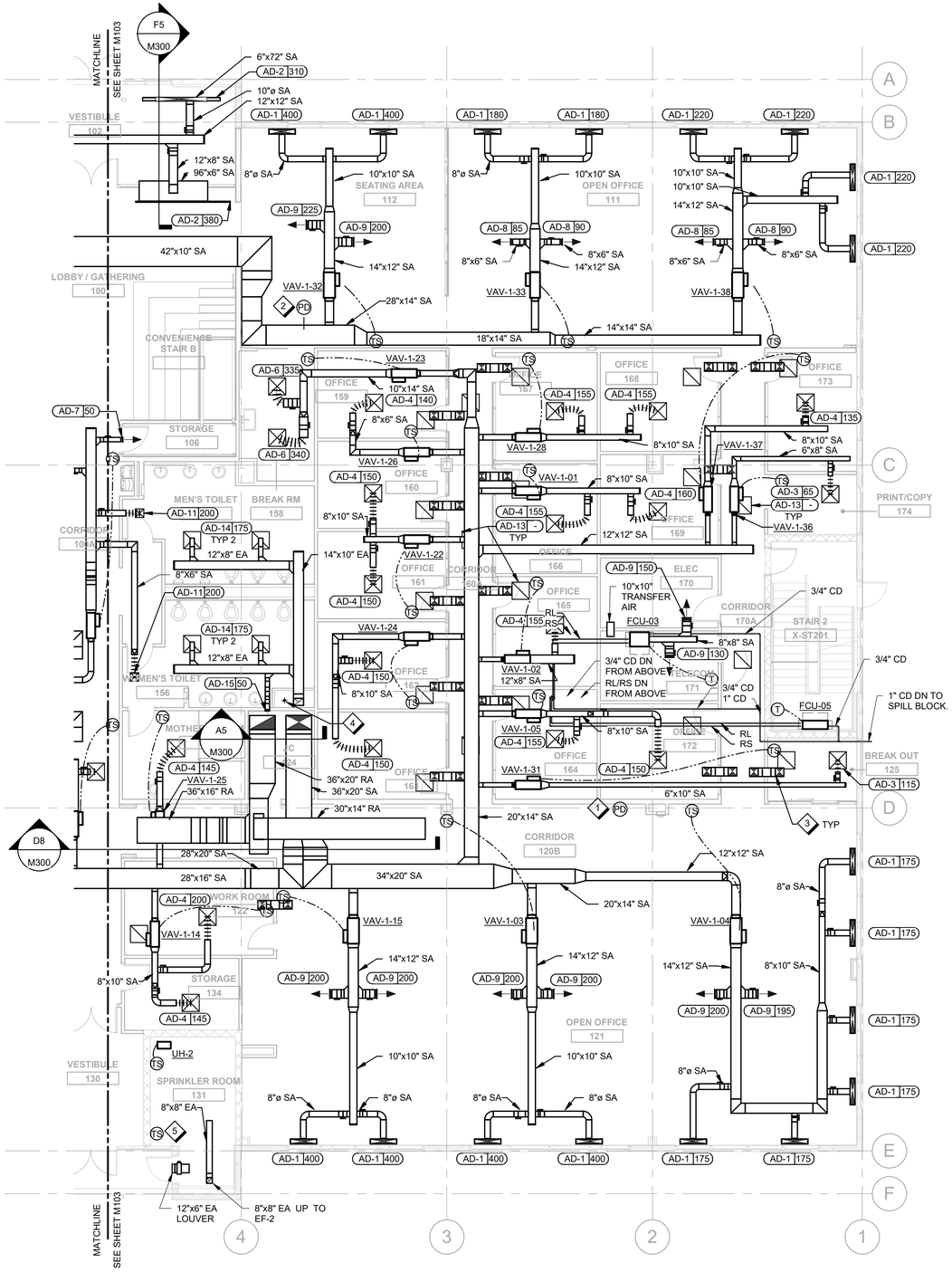


A8 / M102 HVAC AND HVAC PIPING LEVEL 1 - PART 1

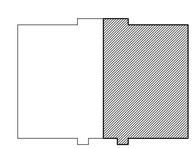
1/8" = 1'-0"

GENERAL SHEET NOTES

A. REFER TO DRAWING M001 AND M002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
B. WHERE MULTIPLE EXHAUST PIPE RISERS ARE UTILIZED TO CONNECT TO BELOW SLAB RADON MITIGAITON SYSTEM, PROVIDE MULTIPLE REPLACEMENT PIPE RISERS TO EACH EXISTING CONNECTION.
C. RECONNECT REPLACEMENT VERTICAL RADON EXHAUST PIPE RISERS TO EXISTING RADON MITIGATION EXHAUST SYSTEM PIPE OPENINGS CREATED BY DEMOLITION AT FIRST FLOOR SLAB. PROVIDE ALLOWANCE FOR REPAIR OF A MINIMUM 100 SQUARE FEET CONCRETE FLOOR SLAB SAW CUTTING FOR REROUTING OF EXISTING SYSTEM CONNECTIONS TO REVISED RISER LOCATIONS AT RENOVATED WALLS.
D. EXISTING BELOW SLAB RADON MITIGATION SYSTEM PIPING MUST REMAIN. WHERE RADON PIPE IS ENCOUNTERED, PROVIDE REPAIR TO DAMAGED PIPE UTILIZING METHODS AND MATERIALS MATCHING EXISTING SYSTEM IN A WORK MAN LIKE MANNER. CONFLICTS BETWEEN REPLACEMENT SANITARY SYSTEMS ROUTING AND EXISTING RADON MITIGATION SYSTEM PIPING MUST BE COORDINTED AS REQUIRED FOR REVISED INVERTS. NOTIFY OWNER AND ENGINEER IMMEDIATLY.

SHEET NOTES

1. PROVIDE BUILDING DIFFERENTIAL PRESSURE SENSOR FOR RTU-3. INSTALL DIFFERENTIAL PRESSURE SENSOR ON THE WALL 6" ABOVE THE CEILING.
2. PROVIDE DUCT STATIC PRESSURE SENSOR FOR RTU-1.
3. 12X12 RETURN AIR BOOT UNLESS NOTED OTHERWISE.
4. REPLACEMENT 4 INCH RADON MITIGATION EXHAUST PIPE RISER ROUTED THRU FIRST FLOOR LEVEL.
5. PROVIDE TEMPERATURE SENSOR FOR SPACE TEMPERATURE CONTROL AND MONITORING.



PARTS PLAN

8 0 8 16
Scale: 1/8 INCH = 1 FOOT

N
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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

HVAC AND HVAC PIPING LEVEL 1 - PART 1

WARRENTON — DCCA ADM — VA

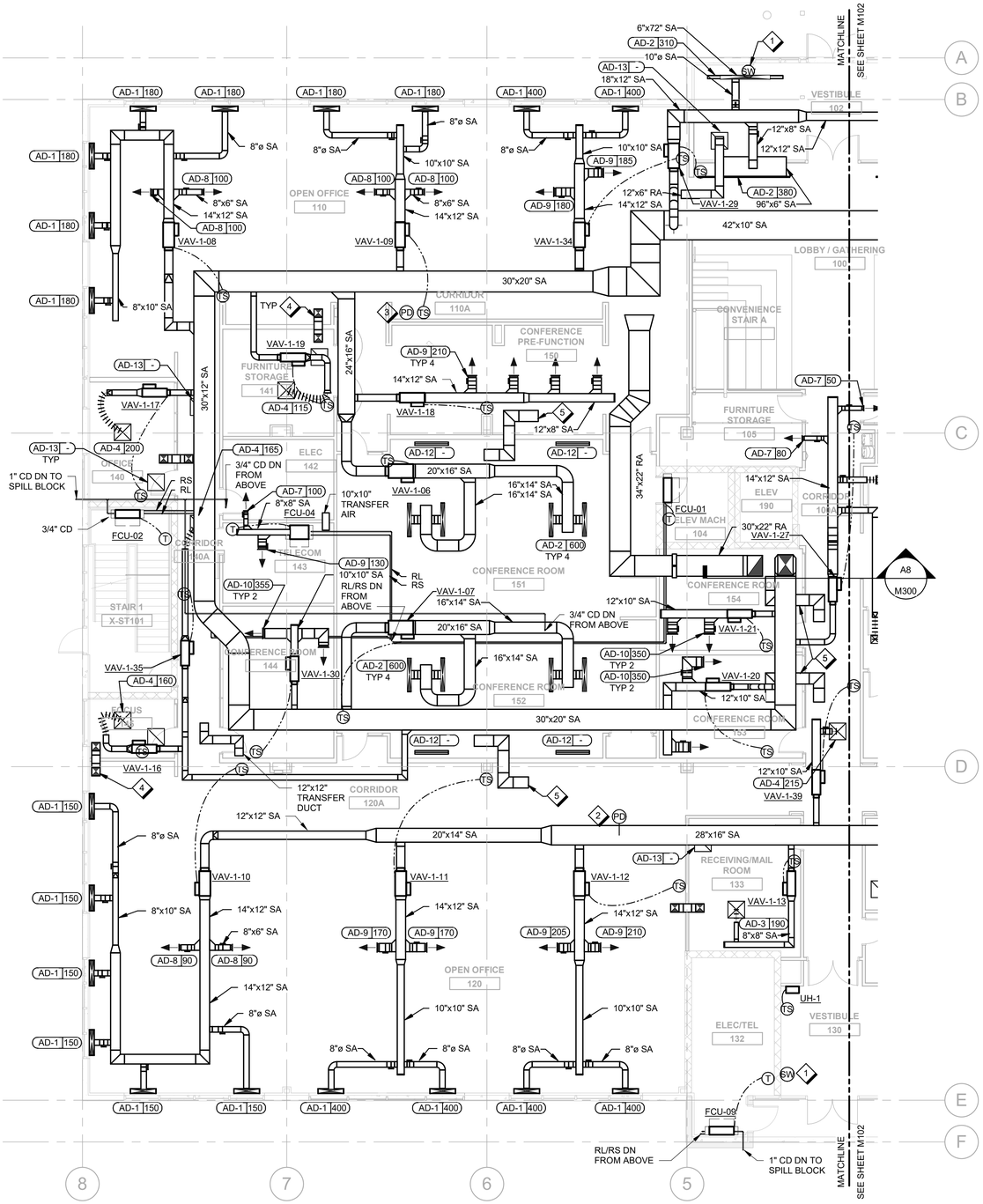
STATE OF TEXAS
SAMUEL B. DODSON
137251
LICENSED PROFESSIONAL ENGINEER

Jacobs

DCCA ADM
WARRENTON, VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE
DESIGNED BY S. DODSON
DRAWN BY S. DODSON
CHECKED BY J. LEMENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE | JCN: 21001763
DRAWING NO. DCCA - D - ADM - M102 | REV.

PLOT DATE/TIME: 4/13/2022 4:00:27 PM



A8 HVAC AND HVAC PIPING LEVEL 1 - PART 2

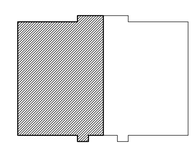
M103 1/8" = 1'-0"

GENERAL SHEET NOTES

A. REFER TO DRAWING M001 AND M002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

SHEET NOTES

1. PROVIDE EMERGENCY AIR DISTRIBUTION SHUTDOWN SWITCH WITH CLEAR HINGED COVER, WARNING SIGN, AND A TAG.
2. PROVIDE DUCT STATIC PRESSURE SENSOR FOR RTU-3.
3. PROVIDE BUILDING DIFFERENTIAL PRESSURE SENSOR FOR RTU-1. INSTALL DIFFERENTIAL PRESSURE SENSOR ON THE WALL 6" ABOVE THE CEILING.
4. 12X12 RETURN AIR BOOT UNLESS NOTED OTHERWISE.
5. 16X10 TRANSFER AIR DUCT.



PARTS PLAN

8 0 8 16
Scale: 1/8 INCH = 1 FOOT

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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

HVAC AND HVAC PIPING LEVEL 1 - PART 2

WARRENTON — DCCA ADM — VA

STATE OF TEXAS — SAMUEL B. DODSON — 137251 — LICENSED PROFESSIONAL ENGINEER

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DCCA ADM
WARRENTON, VA

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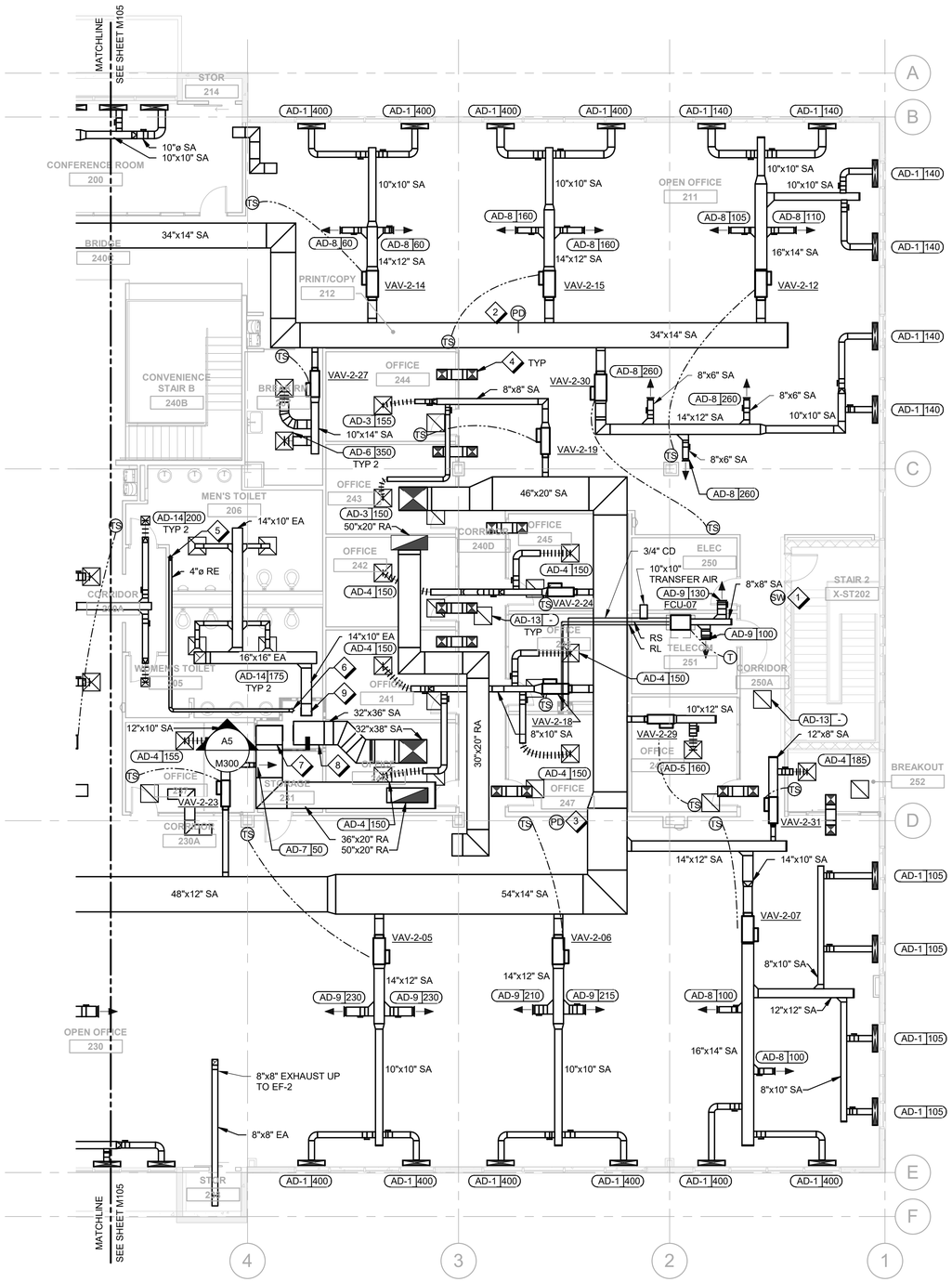
	SUBMITTER'S TITLE		APPROVER'S TITLE
	DESIGNED BY S. DODSON	ISSUED BY ENGINEERING SERVICES TERMINAL	DATE / JCN: 21001763
	DRAWN BY S. DODSON		DRAWING NO. DCCA - D - ADM - M103 / REV.
	CHECKED BY J. LEMENS		

PLOT DATE/TIME: 4/13/2022 4:00:29 PM



A8 HVAC AND HVAC PIPING LEVEL 2 - PART 1

M104 1/8" = 1'-0"

GENERAL SHEET NOTES

A. REFER TO DRAWING M001 AND M002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

SHEET NOTES

1. PROVIDE EMERGENCY AIR DISTRIBUTION SHUTDOWN SWITCH WITH CLEAR HINGED COVER, WARNING SIGN, AND A TAG.
2. PROVIDE DUCT STATIC PRESSURE SENSOR FOR RTU-4.
3. PROVIDE BUILDING DIFFERENTIAL PRESSURE SENSOR FOR RTU-2. INSTALL DIFFERENTIAL PRESSURE SENSOR ON THE WALL 6" ABOVE THE CEILING.
4. 12X12 RETURN AIR BOOT UNLESS NOTED OTHERWISE.
5. ROUTE REPLACEMENT 4 INCH RADON MITIGATION EXHAUST PIPE CONNECTED TO EXHAUST FAN JUST BELOW ROOF LEVEL. PROVIDE FLEX AT EXHAUST FAN CONNECTION.
6. ROUTE REPLACEMENT 4 INCH RADON MITIGATION EXHAUST PIPE RISER FROM EXHAUST FAN, THRU SECOND FLOOR AND DOWN TO FIRST FLOOR.
7. 36X20 RA DUCT DOWN TO FIRST FLOOR.
8. 36X32 SA DUCT DOWN TO FIRST FLOOR.
9. 14X10 EA DUCT DOWN TO FIRST FLOOR.

PARTS PLAN

8 0 8 16
Scale: 1/8 INCH = 1 FOOT

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

HVAC AND HVAC PIPING LEVEL 2 - PART 1

WARRENTON — DCCA ADM — VA

STATE OF TEXAS
SAMUEL B. DODSON
137251
LICENSED
PROFESSIONAL ENGINEER

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	SUBMITTER'S TITLE	APPROVER'S TITLE

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WARRENTON, VA

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DRAWN BY S. DODSON
CHECKED BY J. LEMENS
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JCN: 21001763
DRAWING NO. DCCA - D - ADM - M104
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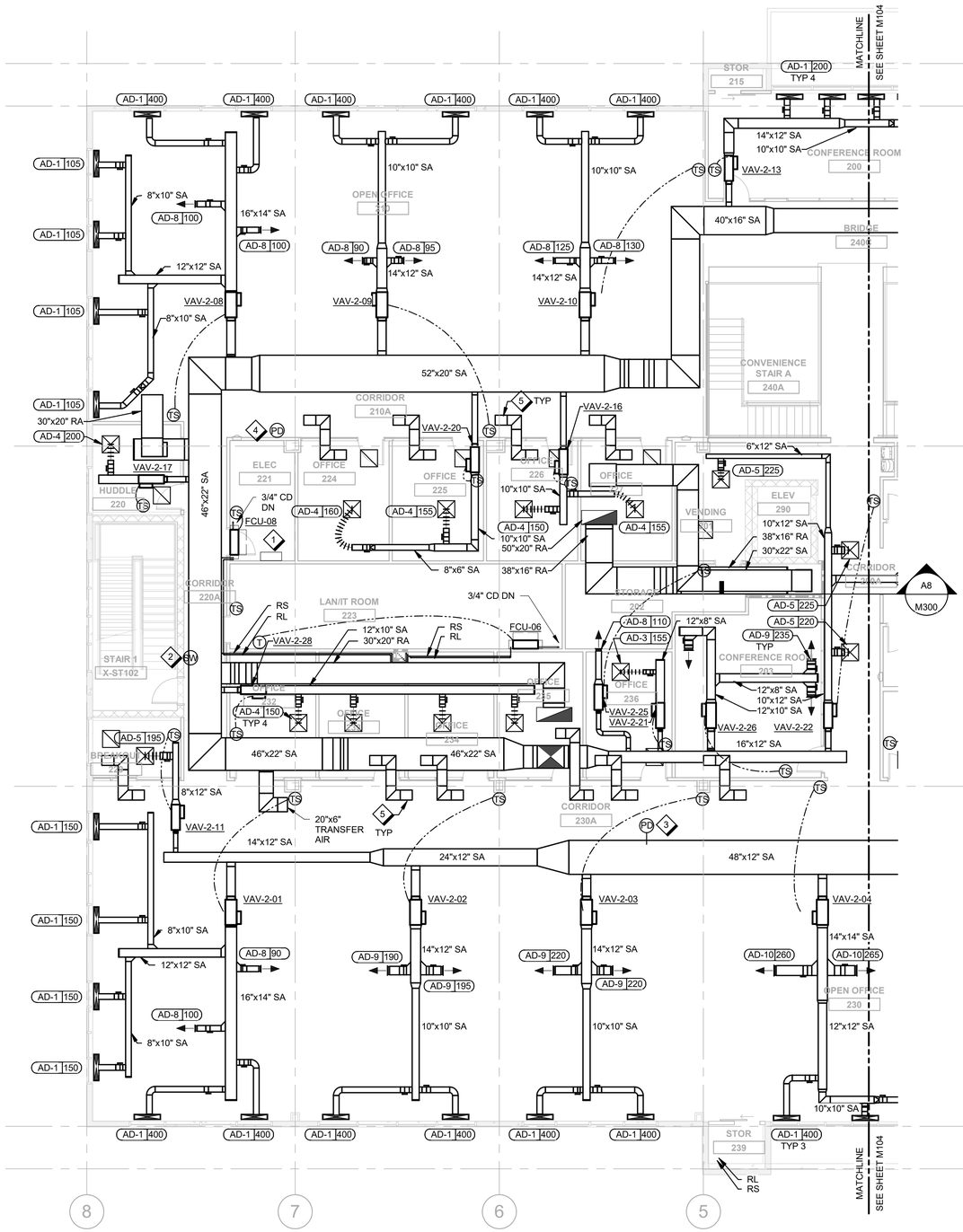
PLOT DATE/TIME: 3/10/2022 3:45:52 PM



A8 HVAC AND HVAC PIPING LEVEL 2 - PART 2

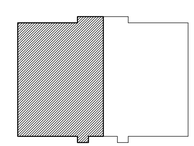
M105 1/8" = 1'-0"

GENERAL SHEET NOTES

A. REFER TO DRAWING M001 AND M002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

SHEET NOTES

1. PROVIDE BUILDING CONTROL PANEL.
2. PROVIDE EMERGENCY AIR DISTRIBUTION SHUTDOWN SWITCH WITH CLEAR HINGED COVER, WARNING SIGN, AND A TAG.
3. PROVIDE DUCT STATIC PRESSURE SENSOR FOR RTU-2.
4. PROVIDE BUILDING DIFFERENTIAL PRESSURE SENSOR FOR RTU-4. INSTALL DIFFERENTIAL PRESSURE SENSOR ON THE WALL 6" ABOVE THE CEILING.
5. 14X14 TRANSFER AIR DUCT UNLESS NOTED OTHERWISE.



PARTS PLAN

Scale: 1/8 INCH = 1 FOOT

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

HVAC AND HVAC PIPING LEVEL 2 - PART 2

WARRENTON — DCCA ADM — VA

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STATE OF TEXAS — SAMUEL B. DODSON — 137251 — LICENSED PROFESSIONAL ENGINEER

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DRAWING NO. DCCA - D - ADM - M105
REV.

PLOT DATE/TIME: 3/10/2022 3:45:56 PM

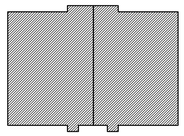
GENERAL SHEET NOTES

A. REFER TO DRAWING M001 AND M002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

SHEET NOTES

C8 / M141 **HVAC AND HVAC PIPING ROOF - OVERALL**

1/16" = 1'-0"



PARTS PLAN

16 0 16 32

Scale: 1/16 INCH = 1 FOOT

KEY NORTH

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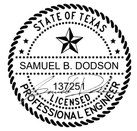

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

HVAC AND HVAC PIPING ROOF - OVERALL

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

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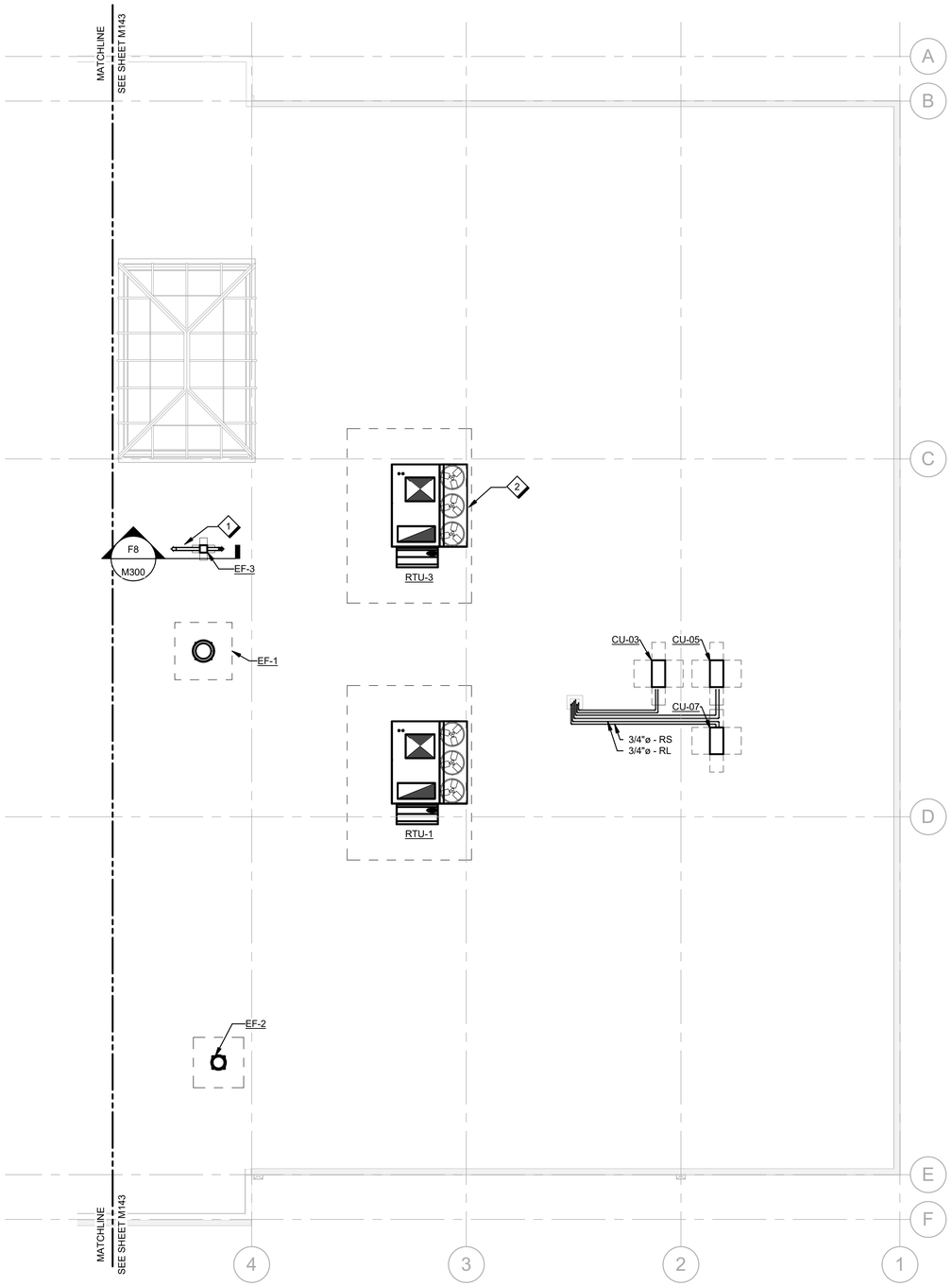
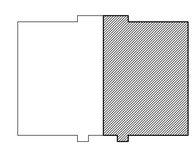
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE
JCN: 21001763
DRAWING NO. DCCA - D - ADM - M141
REV.

PLOT DATE/TIME: 3/10/2022 3:45:56 PM



A8 / M142 HVAC AND HVAC PIPING ROOF - PART 1

1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO DRAWING M001 AND M002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

SHEET NOTES

1 EXISTING RADON MITIGATION SYSTEM EXHAUST FAN TO REMAIN.
2 UNDER RTU FILL SPACE IN ROOF CURB WITH SOUND ABSORBING BATT INSULATION.

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EASTERN SERVICE AREA ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

HVAC AND HVAC PIPING ROOF - PART 1

WARRENTON DCCA ADM VA

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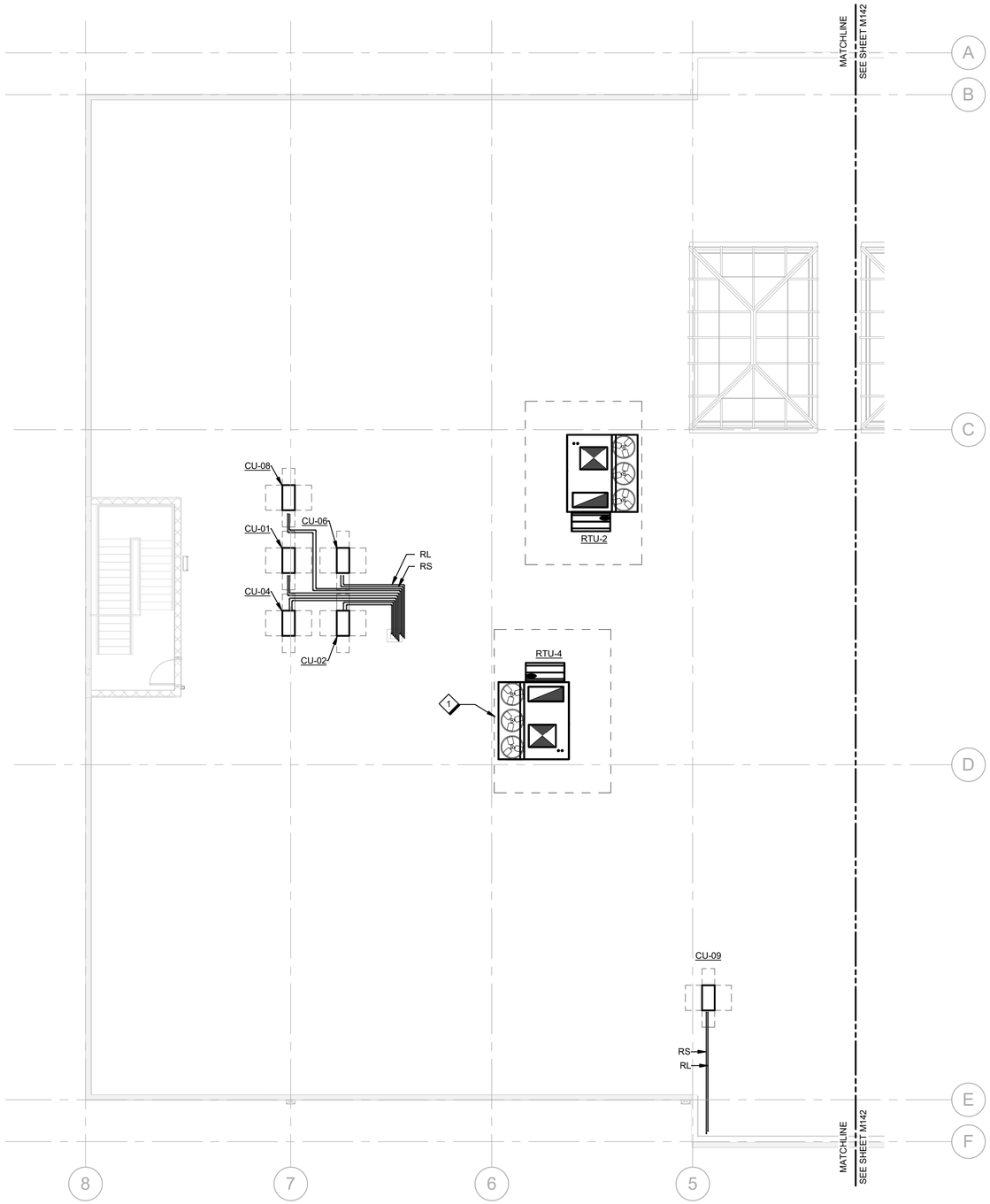
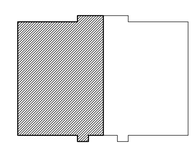
	CHECKED BY J. LEMENS	DRAWING NO. DCCA - D - ADM - M142 / REV.

PLOT DATE/TIME: 3/10/2022 3:45:57 PM



A8 / M143 HVAC AND HVAC PIPING ROOF - PART 2

1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO DRAWING M001 AND M002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

SHEET NOTES

1 UNDER RTU FILL SPACE IN ROOF CURB WITH SOUND ABSORBING BATT INSULATION.

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WARRENTON ADMINISTRATIVE BUILDING

HVAC AND HVAC PIPING ROOF - PART 2

WARRENTON — DCCA ADM — VA

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DCCA ADM
WARRENTON, VA

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DRAWN BY	S. DODSON		
CHECKED BY	J. LEMENS		

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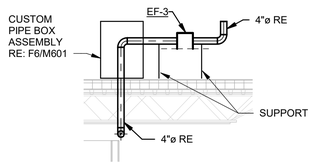
GENERAL SHEET NOTES

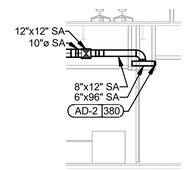
A. REFER TO DRAWING M001 AND M002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
B. WHERE MULTIPLE EXHAUST PIPE RISERS ARE UTILIZED TO CONNECT TO BELOW SLAB RADON MITIGAITON SYSTEM, PROVIDE MULTIPLE REPLACEMENT PIPE RISERS TO EACH EXISTING CONNECTION.
C. RECONNECT REPLACEMENT VERTICAL RADON EXHAUST PIPE RISERS TO EXISTING RADON MITIGATION EXHAUST SYSTEM PIPE OPENINGS CREATED BY DEMOLITION AT FIRST FLOOR SLAB. PROVIDE ALLOWANCE FOR REPAIR OF A MINIMUM 100 SQUARE FEET CONCRETE FLOOR SLAB SAW CUTTING FOR REROUTING OF EXISTING SYSTEM CONNECTIONS TO REVISED RISER LOCATIONS AT RENOVATED WALLS.
D. EXISTING BELOW SLAB RADON MITIGATION SYSTEM PIPING MUST REMAIN. WHERE RADON PIPE IS ENCOUNTERED, PROVIDE REPAIR TO DAMAGED PIPE UTILIZING METHODS AND MATERIALS MATCHING EXISTING SYSTEM IN A WORK MAN LIKE MANNER. CONFLICTS BETWEEN REPLACEMENT SANITARY SYSTEMS ROUTING AND EXISTING RADON MITIGATION SYSTEM PIPING MUST BE COORDINTED AS REQUIRED FOR REVISED INVERTS. NOTIFY OWNER AND ENGINEER IMMEDIATLY.

SHEET NOTES

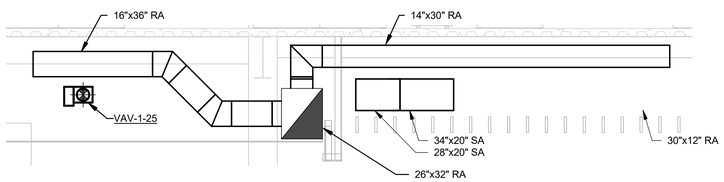
1 REPLACEMENT 4 INCH RADON MITIGATION EXHAUST PIPE RISER ROUTED THRU FIRST FLOOR LEVEL.



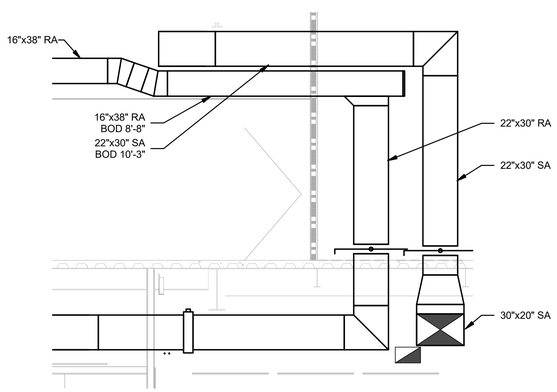
F8 / M300 RADON EXHAUST FAN SECTION
1/4" = 1'-0"



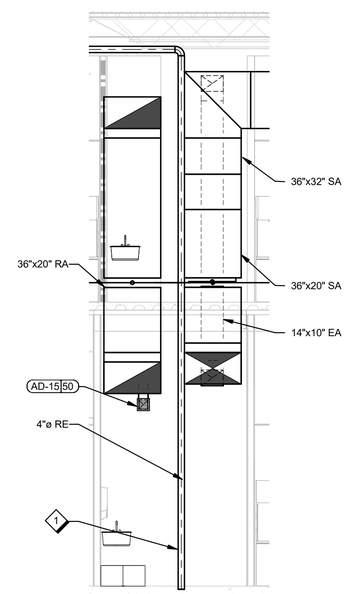
F5 / M300 LOBBY SECTION
1/8" = 1'-0"



D8 / M300 COORIDOR SECTION
1/4" = 1'-0"



A8 / M300 MECHANICAL CHASE SECTION 2
1/4" = 1'-0"



A5 / M300 MECHANICAL CHASE SECTION 1
1/4" = 1'-0"

4 0 4 8
Scale: 1/4 INCH = 1 FOOT

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

HVAC SECTIONS

WARRENTON — DCCA ADM — VA

STATE OF TEXAS
SAMUEL B. DODSON
137251
LICENSED PROFESSIONAL ENGINEER

Jacobs

DCCA ADM
WARRENTON, VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY S. DODSON
DRAWN BY S. DODSON
CHECKED BY J. LEMENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE
JCN: 21001763
DRAWING NO. DCCA - D - ADM - M300
REV.

PLOT DATE/TIME: 4/13/2022 5:21:13 PM

ROOF TOP UNIT SCHEDULE

MARK	AREA SERVED	TON	SUPPLY FAN TOTAL CFM	SUPPLY FAN O.A. CFM	SUPPLY FAN EXT. S.P. IN.	SUPPLY FAN TOTAL S.P. IN.	SUPPLY FAN MAX BHP	SUPPLY FAN RATED HP	EXHAUST FAN CFM	EXHAUST FAN EXT. S.P. IN.	EXHAUST FAN MAX BHP	EXHAUST FAN RATED HP	PRE FILTER	FINAL FILTER	MIN. QTY. OF COMPRESSORS	DX COOLING ENT. AIR °F DB	DX COOLING ENT. AIR °F WB	DX COOLING LVG. AIR °F DB	DX COOLING LVG. AIR °F WB	DX COOLING MAX. FACE VELOCITY FPM	DX COOLING MBH SENS.	DX COOLING MBH TOTAL	NATURAL GAS HEATING ENT. AIR °F	NATURAL GAS HEATING LVG. AIR °F	NATURAL GAS HEATING MBH INPUT	NATURAL GAS HEATING TOTAL CAPACITY MBH	NATURAL GAS HEATING HOT GAS REHEAT COIL CAPACITY MBH	NATURAL GAS HEATING HOT GAS REHEAT COIL IN. WG.	ELECTRICAL VOLTS	ELECTRICAL PHASE	ELECTRICAL HZ	EER	AFUE%	TURN DOWN RATIO	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)	MAX. WT. LB.	REMARKS
RTU-1	LEVEL 1	30	7400	1200	2.50	4.54	8	10	6200	0.75	3	5.0	MERV 8	MERV 14	2	78	64	50	49	372	230.6	324.4	16	50	270	218.7	174.0	6.00	460	3	60	11	80	9	110	101	59	3118	1, 2, 3
RTU-2	LEVEL 1	30	6200	1400	2.50	4.16	6	7.5	4800	0.75	1.67	2.0	MERV 8	MERV 14	2	78	64	50	49	312	212.2	313.9	16	50	270	218.7	159.0	6.00	460	3	60	11	80	9	110	101	59	3083	1, 2, 3
RTU-3	LEVEL 2	30	8400	1200	2.50	4.88	10	15	7200	1.00	4.34	5.0	MERV 8	MERV 14	2	78	64	53	51	422	244.3	332.9	16	50	270	218.7	182.0	6.00	460	3	60	11	80	9	110	101	59	3185	1, 2, 3
RTU-4	LEVEL 2	30	9700	1200	2.50	5.34	14	15	8500	1.00	6.7	7.5	MERV 8	MERV 14	2	78	64	53	53	488	263.1	339.3	16	50	270	218.7	194.0	6.00	460	3	60	11	80	9	110	101	59	3218	1, 2, 3

NOTES:
1. PROVIDE VARIABLE CAPACITY SCROLL TYPE COMPRESSORS.
2. PROVIDE FANS WITH VFD AND INTEGRAL DISCONNECT SWITCH.
3. PROVIDE UNIT WITH AIRFLOW MONITORING STATION ON THE OUTSIDE AIR INLET.
4. PROVIDE SEACOAST SOATING FOR OUTDOOR AIR COILS.

FAN COIL UNIT

MARK	TYPE	SERVICE	COOLING CAPACITY BTUH	HEATING CAPACITY BTUH	CFM	MOTOR W	SEER	COP	FILTER TYPE	VOLTAGE	PHASE	FLA
FCU-01	WALL MOUNTED	103-ELEV MACHINE	24000	0	716	35	19	-	-	208	1	0.5
FCU-02	DUCTED CONCEALED	01-STAIR 1 / 02-STAIR 1	24000	24000	716	230	18.6	3.8	MERV 13	208	1	1.54
FCU-03	DUCTED CONCEALED	170-ELEC / 171-TELE	9000	0	297	130	17.8	4.1	MERV 13	208	1	0.63
FCU-04	DUCTED CONCEALED	142-ELEC / 143-TELE	9000	0	225	130	17.8	4.1	MERV 13	208	1	0.63
FCU-05	DUCTED CONCEALED	01-STAIR 2 / 02-STAIR 2	24000	24000	716	230	18.6	3.8	MERV 13	208	1	1.54
FCU-06	WALL MOUNTED	223-LAN/IT	24000	0	716	35	19	-	-	208	1	0.5
FCU-07	DUCTED CONCEALED	250-ELEC / 251-TELE	9000	0	225	130	17.8	4.1	MERV 13	208	1	0.63
FCU-08	WALL MOUNTED	221-ELEC	9000	0	195	38	19	-	-	208	1	0.3
FCU-09	WALL MOUNTED	132-ELEC	9000	0	200	38	19	-	-	208	1	0.3

CONDENSING UNIT SCHEDULE

MARK	LOCATION	SERVES	CFM	MOTOR W	VOLTAGE	PHASE	MCA
CU-01	ROOF	FCU-01	1900	128	208	1	13.4
CU-02	ROOF	FCU-02	2410	76	208	1	19.8
CU-03	ROOF	FCU-03	1100	39	208	1	9
CU-04	ROOF	FCU-04	1100	39	208	1	9
CU-05	ROOF	FCU-05	2410	76	208	1	19.8
CU-06	ROOF	FCU-06	1900	128	208	1	13.4
CU-07	ROOF	FCU-07	1100	39	208	1	9
CU-08	ROOF	FCU-08	1080	41	208	1	7
CU-09	ROOF	FCU-09	1080	41	208	1	7

NOTES:
1. PROVIDE SEACOAST SOATING FOR COILS.

FAN SCHEDULE

MARK	AREA SERVED	FAN TYPE	CFM	EXT. S.P. IN.	MIN. BHP	MIN. MOTOR HP	DRIVE	V/F/P	FLA	MAX. RELATIVE SOUND dBA	REMARKS
EF-1	RESTROOM	INLINE CENTRIFUGAL	1400	0.50	0.23	0.5	DIRECT	115/60/1	6.6	58	
EF-2	SPRINKLER ROOM	CENTRIGUAL UPBLAST	150	0.25	0.01	0.016	DIRECT	115/60/1	N/A	40	
EF-3	RADON EXHAUST	INLINE	165	0.20	0.07		DIRECT	120/60/1	0.48		

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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

HVAC SCHEDULES

WARRENTON — DCCA ADM — VA

Jacobs

STATE OF TEXAS
SAMUEL B. DODSON
137251
LICENSED PROFESSIONAL ENGINEER

DCCA ADM
WARRENTON, VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE
DESIGNED BY S. DODSON
DRAWN BY S. DODSON
CHECKED BY J. LEMENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE | JCN: 21001763
DRAWING NO. DCCA - D - ADM - M500 | REV.

PLOT DATE/TIME: 3/10/2022 3:46:06 PM

AIR DEVICE SCHEDULE

MARK	SERVICE	DESCRIPTION	NECK SIZE (IN)	MAXIMUM FLOW (CFM)	MAXIMUM FLOW (CFM/FT)	FACE SIZE (IN)	MAXIMUM NECK VELOCITY (FPM)	MAXIMUM THROW (FT)	VELOCITY PRESSURE (IN W.C.)	MAX TOTAL PRESSURE (IN W.C.)	NEGATIVE STATIC PRESSURE (IN W.C.)	MAXIMUM NOISE CRITERIA	MATERIAL	REMARKS
AD-1	SUPPLY AIR	LINEAR SLOT		0	268	36X6	500	15	0.02	0.05	0.00	25	ALUMINUM	
AD-2	SUPPLY AIR	LINEAR SLOT		0	150	2.5", 2-SLOT	500	25	0.02	0.05	0.00	25	ALUMINUM	
AD-3	SUPPLY AIR	LAY-IN	6"ø	195	0	24X24	500	9	0.02	0.05	0.00	25	ALUMINUM	
AD-4	SUPPLY AIR	LAY-IN	8"ø	280	0	24X24	500	11	0.02	0.05	0.00	25	ALUMINUM	
AD-5	SUPPLY AIR	LAY-IN	10"ø	435	0	24X24	500	14	0.02	0.05	0.00	25	ALUMINUM	
AD-6	SUPPLY AIR	LAY-IN	12"ø	625	0	24X24	500	18	0.02	0.05	0.00	25	ALUMINUM	
AD-7	SUPPLY AIR	SIDE WALL	6X6	100	0	6X6	500	9	0.02	0.05	0.00	25	ALUMINUM	
AD-8	SUPPLY AIR	SIDE WALL	8X6	130	0	8X6	500	10	0.02	0.05	0.00	25	ALUMINUM	
AD-9	SUPPLY AIR	SIDE WALL	12X6	200	0	12X6	500	11	0.02	0.05	0.00	25	ALUMINUM	
AD-10	SUPPLY AIR	SIDE WALL	14X8	350	0	14X8	500	12	0.02	0.05	0.00	25	ALUMINUM	
AD-11	SUPPLY AIR	CEILING MOUNTED	8"ø	175	0	12X12	500	8	0.02	0.05	0.00	25	ALUMINUM	
AD-12	RETURN AIR	LINEAR SLOT		0	0	2.5", 2-SLOT	500		0.00	0	0.08	25	ALUMINUM	
AD-13	RETURN AIR	LAY-IN	22X22	1580	0	24X24	500		0.00	0	0.08	25	ALUMINUM	
AD-14	EXHAUST AIR	CEILING MOUNTED	6X6	175	0	24X24	500		0.00	0	0.08	25	ALUMINUM	
AD-15	EXHAUST AIR	SIDE WALL	6X6	120	0	6X6	500		0.00	0	0.08	25	ALUMINUM	

UNIT HEATER SCHEDULE

MARK	DESCRIPTION	HEATING CAPACITY (KW)	CFM	VOLT/PHASE	FREQUENCY	AMPS
UH-1	HIDEAWAY FRONT-DISCHARGE	0.8	200	115/1	60	6.6
UH-2	HIDEAWAY FRONT-DISCHARGE	0.8	200	115/1	60	6.6

VAV BOX AND REHEAT COIL SCHEDULE

MARK	VAV BOX SIZE	AREA SERVED	MAX. CFM	MIN. CFM	MAX. AIR P.D. IN.	ELECTRICAL HEAT COIL						ELECTRICAL		REMARKS
						CFM	KW	VOLTAGE	PHASE	ENT. AIR °F	LVG. AIR °F	MCA	MOP	
VAV-1-01	6	LEVEL 1	315	170	0.10	170	2	277	1	55	92	9	15	1
VAV-1-02	6	LEVEL 1	155	100	0.02	100	1	277	1	55	87	5	15	1
VAV-1-03	12	LEVEL 1	1200	680	0.02	680	5	277	1	55	76	20	25	1
VAV-1-04	12	LEVEL 1	1445	680	0.03	680	5	277	1	55	76	20	25	1
VAV-1-05	6	LEVEL 1	305	165	0.03	165	2	277	1	55	83	7	15	1
VAV-1-06	14	LEVEL 1	2400	1365	0.11	1365	9	480	3	55	76	14	15	1
VAV-1-07	14	LEVEL 1	2400	1365	0.10	1365	9	480	3	55	76	14	15	1
VAV-1-08	12	LEVEL 1	1100	605	0.09	605	4	277	1	55	76	18	20	1
VAV-1-09	10	LEVEL 1	560	305	0.11	305	2	277	1	55	76	9	15	1
VAV-1-10	12	LEVEL 1	1080	590	0.08	590	4	277	1	55	76	18	20	1
VAV-1-11	12	LEVEL 1	1140	625	0.02	625	4	277	1	55	75	18	20	1
VAV-1-12	12	LEVEL 1	1215	670	0.02	670	5	277	1	55	76	20	25	1
VAV-1-13	6	LEVEL 1	190	105	0.01	105	1	277	1	55	85	5	15	1
VAV-1-14	8	LEVEL 1	345	210	0.10	285	2	277	1	55	77	9	15	1
VAV-1-15	12	LEVEL 1	1200	655	0.08	655	5	277	1	55	77	20	25	1
VAV-1-16	6	LEVEL 1	160	90	0.11	90	1	277	1	55	91	5	15	1
VAV-1-17	6	LEVEL 1	200	110	0.23	110	1	277	1	55	84	5	15	1
VAV-1-18	10	LEVEL 1	840	465	0.23	465	3	277	1	55	75	14	15	1
VAV-1-19	6	LEVEL 1	115	100	0.11	100	1	277	1	55	87	5	15	1
VAV-1-20	10	LEVEL 1	700	385	0.08	385	3	277	1	55	76	11	15	1
VAV-1-21	10	LEVEL 1	700	385	0.10	385	3	277	1	55	76	11	15	1
VAV-1-22	6	LEVEL 1	300	165	0.08	165	1	277	1	55	74	5	15	1
VAV-1-23	8	LEVEL 1	675	370	0.02	370	3	277	1	55	76	11	15	1
VAV-1-24	6	LEVEL 1	305	165	0.03	165	2	277	1	55	83	7	15	1
VAV-1-25	6	LEVEL 1	145	100	0.10	100	1	277	1	55	87	5	15	1
VAV-1-26	6	LEVEL 1	140	100	0.04	100	1	277	1	55	87	5	15	1
VAV-1-27	8	LEVEL 1	500	300	0.10	440	3	277	1	55	77	14	15	1
VAV-1-28	6	LEVEL 1	310	170	0.04	170	2	277	1	55	83	7	15	1
VAV-1-29	12	LEVEL 1	1380	825	0.07	330	5	277	1	55	79	23	25	1
VAV-1-30	10	LEVEL 1	710	390	0.14	390	3	277	1	55	75	11	15	1
VAV-1-31	6	LEVEL 1	115	100	0.17	100	1	277	1	55	87	5	15	1
VAV-1-32	12	LEVEL 1	1225	675	0.14	675	5	277	1	55	76	20	25	1
VAV-1-33	10	LEVEL 1	535	295	0.09	295	2	277	1	55	77	9	15	1
VAV-1-34	12	LEVEL 1	1165	640	0.12	640	5	277	1	55	77	20	25	1
VAV-1-35	6	LEVEL 1	165	90	0.11	90	1	277	1	55	90	5	15	1
VAV-1-36	6	LEVEL 1	140	100	0.04	100	1	277	1	55	87	5	15	1
VAV-1-37	6	LEVEL 1	135	100	0.06	100	1	277	1	55	87	5	15	1
VAV-1-38	12	LEVEL 1	1055	585	0.01	585	4	277	1	55	77	18	20	1
VAV-1-39	6	LEVEL 1	215	120	0.03	120	1	277	1	55	82	5	15	1
VAV-2-01	12	LEVEL 2	1590	875	0.03	875	6	480	3	55	75	9	15	1
VAV-2-02	12	LEVEL 2	1185	650	0.07	650	5	277	1	55	77	20	25	1
VAV-2-03	12	LEVEL 2	1240	680	0.08	680	5	277	1	55	76	20	25	1
VAV-2-04	14	LEVEL 2	1725	950	0.04	950	6	480	3	55	75	9	15	1
VAV-2-05	12	LEVEL 2	1260	695	0.09	695	5	277	1	55	75	20	25	1
VAV-2-06	12	LEVEL 2	1225	675	0.09	675	5	277	1	55	76	20	25	1
VAV-2-07	12	LEVEL 2	1420	780	0.07	780	5	277	1	55	75	23	25	1
VAV-2-08	12	LEVEL 2	1425	785	0.06	785	5	277	1	55	75	23	25	1
VAV-2-09	12	LEVEL 2	985	540	0.07	540	4	277	1	55	75	16	20	1
VAV-2-10	12	LEVEL 2	1055	580	0.08	580	4	277	1	55	77	18	20	1
VAV-2-11	6	LEVEL 2	195	125	0.08	125	1	277	1	55	80	5	15	1
VAV-2-12	10	LEVEL 2	775	425	0.07	425	3	277	1	55	77	14	15	1
VAV-2-13	10	LEVEL 2	800	440	0.10	440	3	277	1	55	77	14	15	1
VAV-2-14	10	LEVEL 2	920	505	0.08	505	4	277	1	55	77	16	20	1
VAV-2-15	12	LEVEL 2	1120	615	0.01	615	4	277	1	55	76	18	20	1
VAV-2-16	6	LEVEL 2	305	170	0.02	170	2	277	1	55	83	7	15	1
VAV-2-17	6	LEVEL 2	200	110	0.02	160	1	277	1	55	75	5	15	1
VAV-2-18	10	LEVEL 2	600	335	0.09	335	3	277	1	55	79	11	15	1
VAV-2-19	6	LEVEL 2	305	170	0.07	170	2	277	1	55	83	7	15	1
VAV-2-20	6	LEVEL 2	320	175	0.07	175	2	277	1	55	82	7	15	1
VAV-2-21	6	LEVEL 2	155	95	0.04	95	1	277	1	55	88	5	15	1
VAV-2-22	10	LEVEL 2	670	370	0.02	370	3	277	1	55	77	11	15	1
VAV-2-23	6	LEVEL 2	200	110	0.02	110	1	277	1	55	84	5	15	1
VAV-2-24	6	LEVEL 2	305	170	0.08	170	2	277	1	55	83	7	15	1
VAV-2-25	6	LEVEL 2	110	100	0.12	100	1	277	1	55	87	5	15	1
VAV-2-26	10	LEVEL 2	705	385	0.08	510	3	277	1	55	77	11	15	1
VAV-2-27	8	LEVEL 2	700	385	0.08	385	3	277	1	55	76	11	15	1
VAV-2-28	10	LEVEL 2	600	330	0.07	330	3	277	1	55	79	11	15	1
VAV-2-29	6	LEVEL 2	160	90	0.08	90	1	277	1	55	91	5	15	1
VAV-2-30	12	LEVEL 2	1060	585	0.08	585	4	277	1	55	77	18	20	1
VAV-2-31	6	LEVEL 2	185	100	0.02	100	1	277	1	55	86	5	15	1

NOTES:
1. PROVIDE UNIT WITH SCR TYPE HEATING SOURCE.

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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

HVAC SCHEDULES

WARRENTON — DCCA ADM — VA

STATE OF TEXAS
SAMUEL B. DODSON
137251
LICENSED
PROFESSIONAL ENGINEER

DCCA ADM
WARRENTON, VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

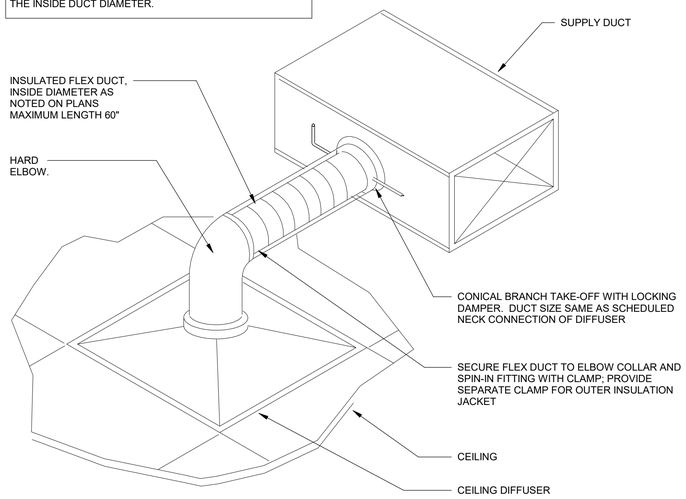
DESIGNED BY S. DODSON
DRAWN BY S. DODSON
CHECKED BY J. LEMENS

ISSUED BY: ENGINEERING SERVICES TERMINAL

DATE | JCN: 21001763
DRAWING NO. DCCA - D - ADM - M501 | REV.

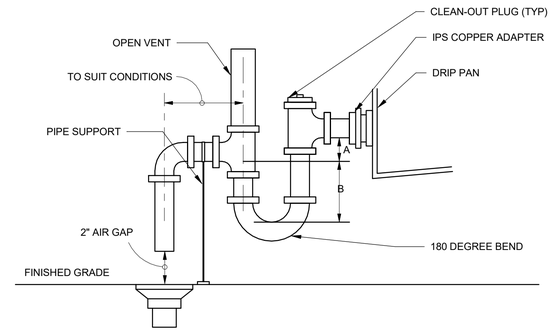
PLOT DATE/TIME: 4/13/2022 4:00:41 PM

NOTE:
MINIMUM BEND IN FLEXIBLE DUCTWORK SHALL NOT BE LESS THAN ONE DUCT DIAMETER BEND RADIUS BASED ON THE INSIDE DUCT DIAMETER.



E8 / M600 CEILING DIFFUSER DETAIL

NTS



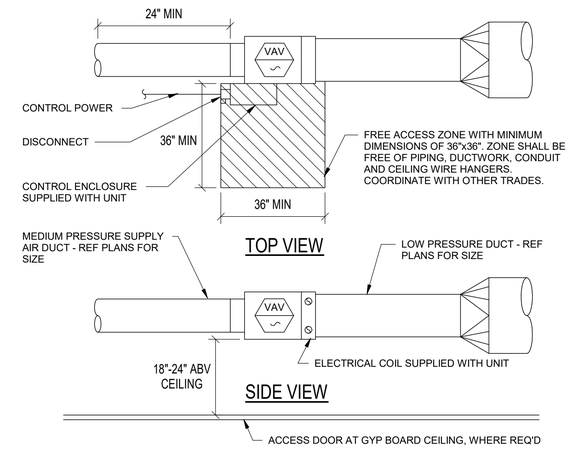
PIPE SUPPORT: SPLIT PIPE CLAMP, 3/8" THREADED ROD

UNIT TYPE	A	B
DRAW THRU	2" PLUS X	X
BLOW THRU	2" MIN	2X

WHERE X = STATIC PRESSURE (AHU TOTAL STATIC PRESSURE) IN DRAIN PAN

E5 / M600 AHU CONDENSATE DRAIN DETAIL

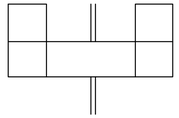
NTS



E3 / M600 TYPICAL TERMINAL UNIT CONNECTION DETAIL

NTS

NOTE:
TRANSFER BOOTS ARE 12"x12" CLEAR INSIDE DIMENSION UNLESS OTHERWISE NOTED.



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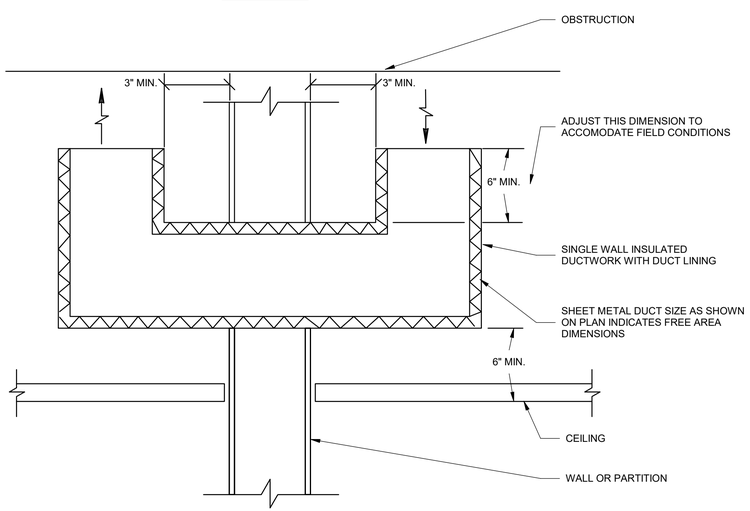

A8 / M600 RETURN AIR TRANSFER DETAIL - FULL BOOT

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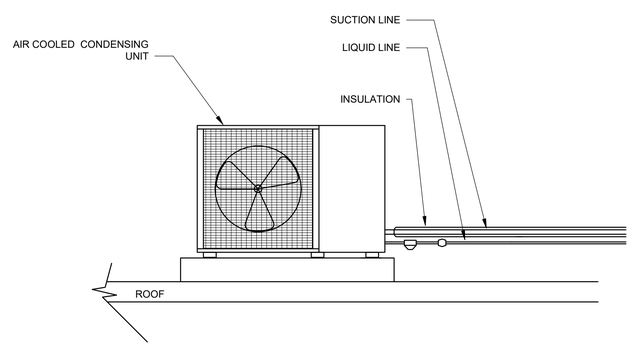

A5 / M600 ROOF MOUNTED CU DETAIL

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SUITE 500
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REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

HVAC DETAILS

WARRENTON — DCCA ADM — VA

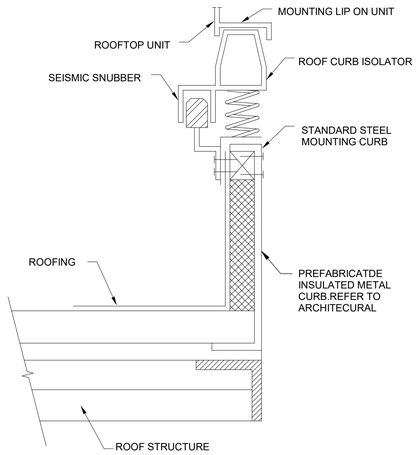
Jacobs

STATE OF TEXAS
SAMUEL B. DODSON
137251
LICENSED PROFESSIONAL ENGINEER

DCCA ADM
WARRENTON, VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE
DESIGNED BY S. DODSON
DRAWN BY S. DODSON
CHECKED BY J. LEMENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE | JCN: 21001763
DRAWING NO. DCCA - D - ADM - M600 | REV.

PLOT DATE/TIME: 3/10/2022 3:46:11 PM



ROOF MOUNTING CURB FOR MOUNTING ROOFTOP UNIT

F8 / M601 ROOF SUPPORTS WITH VIBRATION ISOLATION

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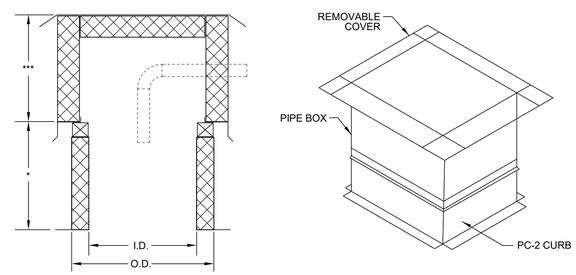
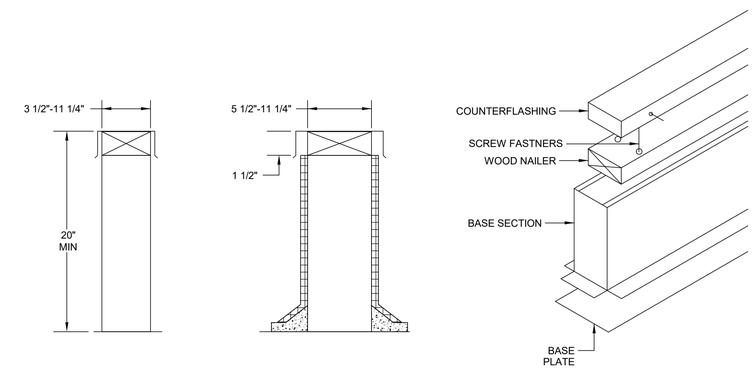


F6 / M601 CUSTOM PIPE BOX ASSEMBLY

NTS



F3 / M601 EQUIPMENT SUPPORTS

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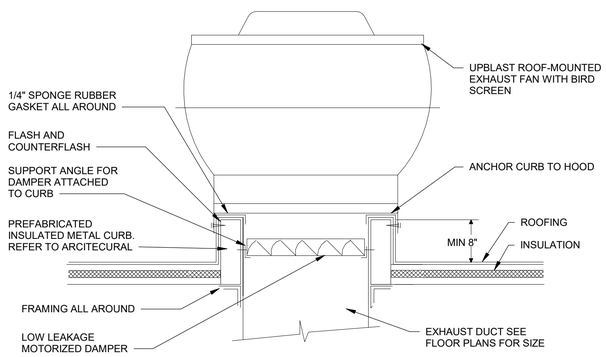
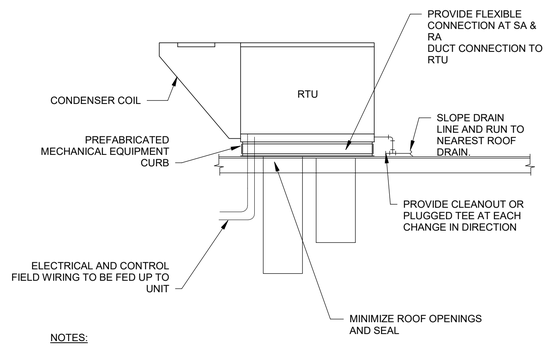


C8 / M601 ROOF MOUNTED UPBLAST FAN DETAIL

NTS

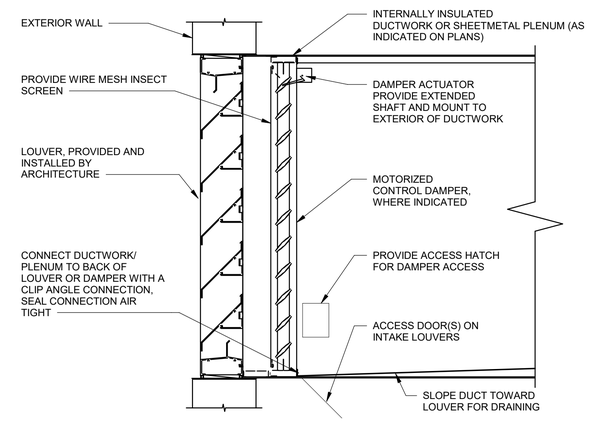


NOTES:

1. DIMENSIONS OF CURB DIFFER FROM DIMENSIONS OF UNIT DUE TO THE SLOPED CONDENSER COIL.

C6 / M601 ROOFTOP HVAC UNIT DETAIL

NTS



C3 / M601 LOUVER CONNECTION DETAIL

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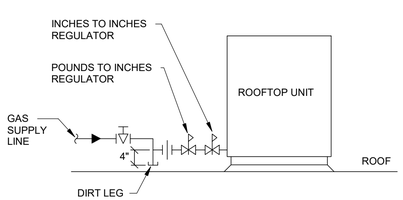

A8 / M601 GAS CONNECTION TO ROOFTOP UNIT

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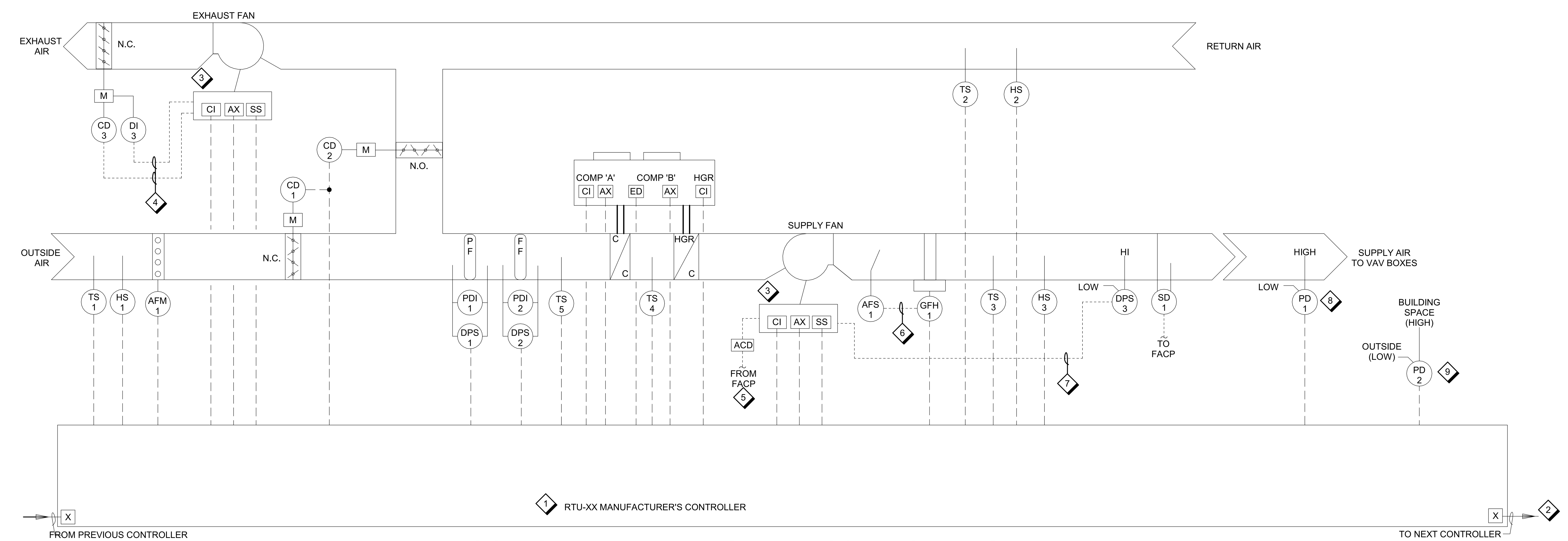

E7 M800

ROOFTOP AIR HANDLING UNIT - CONTROL DIAGRAM

NTS

GENERAL SHEET NOTES

A. REFER TO DRAWING M001 AND M002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

SHEET NOTES

1 MANUFACTURER'S PACKAGED CONTROLLER ASSOCIATED WITH ROOFTOP AIR-CONDITIONING UNIT MUST COMMUNICATE WITH DDCS VIA UNIT MOUNTED BACNET INTERFACE CARD. XX REPRESENTS ASSOCIATED UNIT NUMBER.

2 CONNECT RTU BACNET INTERFACE TO THE DDCS NETWORK AND PROVIDE MONITORING POINTS INDICATED IN THE POINTS SCHEDULE THROUGH THE BACNET NETWORK.

3 VARIABLE FREQUENCY DRIVE (VFD).

4 PROVIDE INTERLOCK WIRING BETWEEN EXHAUST FAN AND ASSOCIATED ISOLATION DAMPER. WHEN ISOLATION DAMPER IS OPEN THE FAN MUST BE STARTED BY THE DAMPER POSITION SWITCH. FAN MUST STOP IF ISOLATION DAMPER CLOSES.

5 PROVIDE INTERLOCK WIRING BETWEEN SUPPLY FAN AND FIRE ALARM SYSTEM THROUGH FIRE ALARM CONTROL MODULE FOR RTU SHUT DOWN. THE INTERLOCK MUST BE HARDWIRED AND NOT PERFORMED THROUGH THE DDCS.

6 HARDWIRE INTERLOCK GAS-FIRED HEATER WITH AIR FLOW SWITCH. WHEN AIR FLOW SWITCH INDICATED THAT THERE IS NO AIR FLOW, GAS-FIRED HEATER MUST BE DISABLE.

7 PROVIDE HARDWIRE INTERLOCK BETWEEN SUPPLY FAN VFD AND DUCT HIGH PRESSURE SWITCH. IF SWITCH IS ACTIVATED ON A HIGH DUCT PRESSURE CONDITION, FAN MUST BE DISABLE.

8 SEE SHEETS M-102, M-103, M-102, M-103 FOR LOCATIONS OF DUCT STATIC PRESSURE SENSORS.

9 SEE SHEETS M-102, M-103, M-104, M-105 FOR LOCATIONS OF BUILDING DIFFERENTIAL PRESSURE SENSORS.

SEQUENCES OF OPERATION

1. **GENERAL:** THE ROOFTOP AIR HANDLING UNIT MUST BE FULLY CONTROLLED BY THE MANUFACTURER UNIT BACNET CONTROLS AND MUST BE FULLY INTEGRATED INTO THE DDCS. THE CONTROLS MUST CONTAIN ALGORITHMS TO MAINTAIN ACCURATE TEMPERATURE CONTROL AND MINIMIZE DRIFT FROM SET POINT. THE UNIT CONTROLLER MUST PROVIDE ANTI-SHORT CYCLE TIMING AND TIME DELAY BETWEEN COMPRESSORS. THE CONTROLS CONTRACTOR MUST BE RESPONSIBLE FOR PROVIDING PROGRAMMING AND GRAPHICAL DISPLAYS NECESSARY TO IMPLEMENT THE ROOFTOP UNIT INTO THE DDCS. AT A MINIMUM, MAP CONTROL AND MONITORING POINTS LISTED IN THE “DDCS POINT FUNCTION SCHEDULE".
2. **UNIT RUN:** UNIT MUST BE AUTOMATICALLY OR MANUALLY ENABLED TO RUN IN OCCUPIED OR UNOCCUPIED MODE AS FOLLOWS:
   - A. AUTOMATIC OPERATION IN OCCUPIED/UNOCCUPIED MODES BASED ON A DAILY PROGRAM (TIME) SCHEDULE. COORDINATE THE TIME SCHEDULE WITH THE FACILITY MAINTENANCE PERSONNEL.
   - B. OR MANUALLY SELECTED BY USER FROM GRAPHIC INTERFACE.
3. **AHU UNOCCUPIED MODE:** UNIT FANS, HEATING, AND COOLING MUST BE DE-ENERGIZED, AND THE OUTSIDE AND EXHAUST AIR DAMPERS MUST BE CLOSED. WHEN AT LEAST TWO TERMINAL UNIT SPACE TEMPERATURES (ADJ.) FALL OUTSIDE OF THE UNOCCUPIED MODE TEMPERATURE RANGE, THE UNIT WILL BE ENERGIZED AND CONTROLLED AS DESCRIBED BELOW. THE UNIT OUTSIDE AIR DAMPER MUST REMAIN CLOSED, UNLESS COOLING IS CALLED FOR AND ECONOMIZER OPERATION IS AVAILABLE. THE UNIT MUST BE DE-ENERGIZED ONCE ALL ZONES ARE WITHIN THE UNOCCUPIED MODE TEMPERATURE RANGE.
   - A. **UNOCCUPIED HEATING MODE:** WHEN AT LEAST TWO TERMINAL UNIT SPACE TEMPERATURES (ADJ.) FALL BELOW THE UNOCCUPIED HEATING SETPOINT, INITIALLY SET AT 55°F (ADJ.), UNOCCUPIED HEATING MODE IS INITIATED AND THE UNIT DISCHARGE AIR TEMPERATURE WILL BE CONTROLLED TO 70°F (ADJ.) BY MODULATING THE GAS-FIRED HEATER. THE UNIT MUST OPERATE UNTIL ALL SPACE TEMPERATURES ARE AT 60°F (ADJ.).
   - B. **UNOCCUPIED COOLING MODE:** WHEN AT LEAST TWO TERMINAL UNIT SPACE TEMPERATURES (ADJ.) RISE ABOVE THE UNOCCUPIED COOLING SETPOINT, INITIALLY SET AT 85°F (ADJ.), UNOCCUPIED COOLING MODE IS INITIATED AND THE UNIT DISCHARGE AIR TEMPERATURE MUST BE CONTROLLED TO 55°F (ADJ.) BY CONTROLLING COMPRESSORS AND ECONOMIZER. UNIT CONTROLLER MUST USE ECONOMIZER MODE FOR COOLING IF CONDITIONS ARE APPROPRIATE. THE UNIT MUST OPERATE UNTIL ALL SPACE TEMPERATURES HAVE DROPPED BELOW 80°F (ADJ.).
   - C. **OCCUPANCY OVERRIDE:** ALL VAV TERMINAL UNITS SERVED BY AHU MUST BE LINKED WITH ASSOCIATED AHU CONTROLLER. WHENEVER THE OCCUPANCY OVERRIDE NETWORK POINT ENTERS IN OCCUPIED STATE DURING REGULARLY SCHEDULED UNOCCUPIED PERIODS, THE AHU MUST BE INDEXED IN OCCUPIED MODE FOR 120 MINUTES (ADJ.). WHEN THE OCCUPANCY OVERRIDE NETWORK POINT IS NO LONGER IN OCCUPIED STATE, THE UNIT MUST RETURN TO THE NORMAL MODE.
4. **AHU MORNING START-UP:** THE DDCS MUST USE AN OPTIMIZED MORNING START-UP ROUTINE, INCORPORATING OA TEMPERATURE, ZONE TEMPERATURES, AND PAST HISTORY OF BUILDING RESPONSE TO DETERMINE THE OPTIMUM TIME TO START THE AIR HANDLING UNIT. THE UNIT OA DAMPER MUST REMAIN CLOSED, UNLESS COOLING IS CALLED FOR AND ECONOMIZER OPERATION IS AVAILABLE. ONCE SCHEDULED BUILDING OCCUPANCY TIME IS REACHED, OA DAMPER IS ENABLED. IF START-UP WAS INITIATED BY AN UNOCCUPIED MODE OVERRIDE BUTTON, INITIATE OCCUPIED MODE AS SOON AS NEITHER MORNING WARM-UP NOR MORNING COOL-DOWN CONDITIONS APPLY. UNIT DISCHARGE AIR TEMPERATURE MUST BE CONTROLLED AS DESCRIBED BELOW.
   - A. **MORNING WARM-UP:** IF MORE THAN 25% (ADJ.) OF THE ZONES ARE BELOW OCCUPIED MODE SETPOINT, MORNING WARM-UP MODE IS INITIATED AND THE UNIT DISCHARGE AIR TEMPERATURE MUST BE CONTROLLED TO 80°F (ADJ.) BY MODULATING THE GAS-FIRED HEATER. MORNING WARM-UP IS TERMINATED WHEN NO MORE THAN 15% OF ZONES (ADJ.) ARE BELOW SETPOINT. UPON TERMINATION, UNIT OPERATES TO MAINTAIN DISCHARGE AIR TEMPERATURE AS DESCRIBED FOR OCCUPIED MODE.
   - B. **MORNING COOL-DOWN:** IF MORE THAN 25% (ADJ.) OF THE ZONES ARE ABOVE OCCUPIED MODE SETPOINT, MORNING COOL-DOWN IS INITIATED AND DX COIL OR ECONOMIZER MUST OPERATE TO MAINTAIN DISCHARGE AIR TEMPERATURE SETPOINT, SET AT 55°F (ADJ.). MORNING COOL-DOWN IS TERMINATED WHEN NO MORE THAN 15% OF ZONES (ADJ.) ARE ABOVE SETPOINT. UPON TERMINATION, UNIT OPERATES TO MAINTAIN DISCHARGE AIR TEMPERATURE AS DESCRIBED FOR OCCUPIED MODE.
5. **AHU OCCUPIED MODE:** DURING THIS MODE, THE ROOFTOP UNIT MUST OPERATE AS DESCRIBED BELOW.
   - A. **SUPPLY FAN CONTROL:**
     - a. **SUPPLY FAN START/STOP CONTROL:** TO START THE FAN, THE UNIT CONTROLLER MUST SEND A START SIGNAL TO THE FAN VFD WHICH MUST START THE FAN. TO STOP THE SUPPLY FAN, THE UNIT CONTROLLER MUST SEND A STOP COMMAND TO THE FAN VFD WHICH MUST DE-ENERGIZE THE FAN.
     - b. **SUPPLY FAN STATUS:** A FAN-PROVING DEVICE MUST INDICATE THE SUPPLY FAN STATUS. IF THE STATUS INDICATED DOES NOT MATCH THE COMMANDED OUTPUT FOR THE FAN, AFTER A 60 SECONDS (ADJ.) TIME DELAY, A FAN FAILURE ALARM MUST BE GENERATED IN THE CONTROLLER, AND THE FAN START COMMAND MUST BE CANCELED.
     - c. **SUPPLY FAN CONTROL:** ONCE THE FAN OPERATION HAS BEEN PROVEN, THE UNIT CONTROLLER MUST CONTROL THE SPEED OF THE VFD TO MAINTAIN THE SUPPLY DUCT STATIC PRESSURE AS SENSED BY STATIC PRESSURE SENSOR LOCATED IN SUPPLY DUCT, AT THE SUPPLY DUCT STATIC PRESSURE SET POINT. WHEN THE SUPPLY DUCT STATIC PRESSURE IS BELOW THE SET POINT, THE SPEED MUST INCREASE AND WHEN THE SUPPLY DUCT STATIC PRESSURE IS ABOVE THE SET POINT, THE SPEED MUST DECREASE. WHEN THE VFD IS STOPPED, THE UNIT CONTROLLER SIGNAL MUST RETURN THE VFD TO A SPEED OF ZERO.
     - d. **SUPPLY DUCT STATIC PRESSURE SET POINT:** THE SET POINT MUST RESET BASED ON THE VAV BOX REQUIRING THE MOST STATIC PRESSURE. THE DDCS MUST MONITOR THE POSITIONS OF THE DAMPERS IN THE VAV BOXES AND SEND A RESET SIGNAL TO THE UNIT CONTROLLER. THE SUPPLY AIR STATIC PRESSURE SET POINT SHALL BE RESET UP 0.1 INCHES W.C. (ADJ.) EVERY 5 MINUTES (ADJ.) UNTIL ONE OF THE VAV BOX DAMPERS HAS MODULATED MORE THAN 90% OPEN (ADJ.). THE SUPPLY AIR STATIC PRESSURE SET POINT SHALL BE RESET DOWN 0.1 INCHES W.C. (ADJ.) EVERY 5 MINUTES (ADJ.) UNTIL ONE OF THE VAV BOX DAMPERS IS LESS THAN 80% OPEN (ADJ.). THE STATIC PRESSURE SET POINT MUST NOT BE ALLOWED TO RISE ABOVE 1.5 INCHES W.C. OR FALL BELOW 0.25 INCHES W.C.
     - e. **LOSS COMMUNICATION:** IN THE EVENT OF LOSS OF COMMUNICATION WITH VAV TERMINAL UNIT CONTROLLERS THE SYSTEM MUST REVERT TO MODULATING THE FAN SPEED TO MAINTAIN THE DUCT STATIC PRESSURE SETPOINT OF 1 IN W.C. (ADJUSTABLE)
   - B. **EXHAUST FAN CONTROL:**
     - a. **EXHAUST FAN START/STOP CONTROL:** THE EXHAUST FAN MUST BE ENABLED ONLY AS NEEDED INDEPENDENTLY FROM SUPPLY FAN, AND SPEED MUST BE CONTROLLED TO MAINTAIN BUILDING PRESSURE IN AREA SERVED BY THE RTU UNIT. TO START THE FAN, THE UNIT CONTROLLER MUST SEND A START SIGNAL TO THE FAN VFD WHICH THROUGH A HARDWIRE INTERLOCK MUST OPEN THE EXHAUST AIR DAMPER. ONCE DAMPER IS FULLY OPEN, AS SENSED BY THE ASSOCIATED DAMPER POSITION SWITCH, THE FAN MUST BE ENERGIZED. TO STOP THE EXHAUST FAN, THE UNIT CONTROLLER MUST SEND A STOP COMMAND TO THE FAN VFD WHICH MUST DE-ENERGIZE THE FAN AND CLOSE THE EXHAUST AIR DAMPER.
     - b. **EXHAUST FAN STATUS:** A FAN-PROVING DEVICE MUST INDICATE THE EXHAUST FAN STATUS. IF THE STATUS INDICATED DOES NOT MATCH THE COMMANDED OUTPUT FOR THE FAN, AFTER A 120 SECONDS (ADJ.) TIME DELAY, A FAN FAILURE ALARM MUST BE GENERATED IN THE CONTROLLER, AND THE FAN START COMMAND MUST BE CANCELED.
     - c. **EXHAUST FAN CONTROL:** ONCE THE FAN OPERATION HAS BEEN PROVEN, THE UNIT CONTROLLER MUST CONTROL THE SPEED OF THE VFD TO MAINTAIN THE BUILDING PRESSURE RELATIVE TO THE OUTSIDE AS SENSED BY RESPECTIVE STATIC PRESSURE SENSOR SHOWN ON THE MECHANICAL FLOOR PLANS. AS THE BUILDING PRESSURE FALLS BELOW THE SET POINT, THE DEMAND SIGNAL MUST DECREASE. AS THE BUILDING PRESSURE RISES ABOVE THE SET POINT, THE DEMAND SIGNAL MUST INCREASE. THE BUILDING PRESSURE SETPOINT MUST BE INITIALLY SET AT 0.05 INCHES W.C. AND MUST BE USER ADJUSTABLE. DURING MECHANICAL COOLING MODE, THE DEMAND SIGNAL MUST BE ZERO. WHEN THE DEMAN SIGNAL IS ZERO, THE EXHAUST FAN MUST BE OFF.
   - C. **SUPPLY AIR TEMPERATURE SET POINT RESET CONTROL:** THE DISCHARGE AIR TEMPERATURE SETPOINT MUST RESET BASED ON THE MAXIMUM COOLING DEMAND FROM THE SPACES. WHEN THE MAXIMUM COOLING DEMAND OF ANY TWO (ADJUSTABLE) TERMINAL UNITS IS GREATER THAN 95%, THE DISCHARGE AIR SETPOINT MUST RESET DOWN BY 0.5 °F (ADJUSTABLE) EVERY FIVE MINUTES (ADJUSTABLE). WHEN THE MAXIMUM COOLING DEMAND IS LESS THAN 90%, RESET DISCHARGE AIR SETPOINT UP BY 0.5 °F (ADJUSTABLE) EVERY FIVE MINUTES (ADJUSTABLE). MINIMUM AND MAXIMUM DISCHARGE AIR SETPOINTS ARE 55 °F (ADJUSTABLE) AND 65 °F(ADJUSTABLE) RESPECTIVELY. INITIAL DISCHARGE AIR TEMPERATURE SETPOINT WHEN TRANSITIONING INTO AN OCCUPIED MODE IS BASED ON THE FOLLOWING SCHEDULE:

MAXIMUM TERMINAL UNIT COOLING DEMAND	DISCHARGE AIR TEMPERATURE SETPOINT
0	65 °F
100	55 °F

   - A. **OUTDOOR AND RETURN AIR DAMPERS CONTROL:** THE UNIT CONTROLLER MUST MODULATE OUTDOOR AND RETURN AIR DAMPERS AS DESCRIBED BELOW.
     - a. **MINIMUM OUTSIDE AIR VOLUME CONTROL:** AN AIRFLOW MEASURING STATION MUST BE PROVIDED TO CONTINUOUSLY MONITOR THE MINIMUM OUTSIDE AIR VOLUME IN CFM AND SEND OUTPUT TO THE UNIT CONTROLLER TO MAINTAIN OA CFM SETPOINT. AS SYSTEM FAN MODULATE ONCE THE UNIT IS ON, THE MINIMUM OUTDOOR AIR DAMPER MUST MODULATE TO MAINTAIN A CONSTANT OUTSIDE AIR FLOW AS MEASURED BY THE AIR FLOW MEASURING STATION. SEE THE AIR HANDLING UNIT SCHEDULE IN THE MECHANICAL DRAWINGS FOR THE SCHEDULED MINIMUM OUTDOOR AIR FLOW.
     - b. **ECONOMIZER CONTROL:** WHEN THE OUTDOOR AIR DRY-BULB TEMPERATURE IS BELOW 65 °F (ADJUSTABLE), THE OUTSIDE AND RETURN AIR DAMPERS MUST MODULATE TO MAINTAIN DISCHARGE AIR TEMPERATURE SET POINT. WHEN THE OUTDOOR AIR DRY-BULB TEMPERATURE IS HIGHER THAN 65 °F (ADJUSTABLE), THE ECONOMIZER MUST BE DISABLED. WHEN THE ECONOMIZER IS UNABLE TO SATISFY THE DISCHARGE AIR TEMPERATURE SETPOINT, COMPRESSORS MUST BE SEQUENCED ON WHEN OUTDOOR AIR TEMPERATURE IS ABOVE THE COOLING LOCK-OUT TEMPERATURE OF 55°F (ADJ.).
   - E. **COOLING CONTROL:** WHEN THE SUPPLY FAN IS OFF, THE COMPRESSORS MUST BE DISABLED. COOLING CONTROL MUST BE ACTIVATED IN COORDINATION WITH HEATING CONTROL SO BOTH COOLING AND HEATING CONTROL DON'T OPERATE SIMULTANEOUSLY. THE ROOFTOP UNIT IS EQUIPPED WITH TWO COMPRESSORS, ONE VARIABLE CAPACITY COMPRESSOR (VCC) AND ONE FIXED CAPACITY COMPRESSOR (FCC).
     - a. **COOLING LOADING:**
       - WHEN THERE IS A DEMAND FOR COOLING, THE UNIT CONTROLLER MUST ENABLE AND MODULATE THE VCC TO MAINTAIN THE SUPPLY AIR TEMPERATURE AT THE SUPPLY TEMPERATURE COOLING SET POINT. IF SUPPLY AIR TEMPERATURE IS ABOVE SETPOINT AND THE VCC IS AT 100% CAPACITY FOR CERTAIN PERIOD OF TIME, THE ROOFTOP CONTROLLER MUST ENABLE THE FCC AND MODULATE THE VCC DOWN AS NEEDED TO MAINTAIN THE SUPPLY AIR TEMPERATURE SET POINT.
       - FOR COMPRESSORS TO STAGE ON, MINIMUM OFF TIMES (ADJ.) MUST BE SATISFIED AS WELL AS STAGE UP DELAYS (ADJ.).
     - b. **COOLING UNLOADING:**
       - IF SUPPLY AIR TEMPERATURE IS BELOW SETPOINT AND THE VCC STAYS AT 0% CAPACITY FOR CERTAIN PERIOD OF TIME, WHILE THE FCC IS ENABLED, THE ROOFTOP CONTROLLER MUST DISABLE THE FCC AND MODULATE THE VCC TO MAINTAIN THE SUPPLY AIR TEMPERATURE AT SET POINT.
       - FOR COMPRESSORS TO STAGE DOWN, MINIMUM RUN TIMES (ADJ.) MUST BE SATISFIED AS WELL AS STAGE DOWN DELAYS (ADJ.). THE VCC IS ALWAYS THE LAST COMPRESSOR TO BE DEACTIVATED.
   - F. **DEHUMIDIFICATION CONTROL:**
     - a. WHEN THE RETURN AIR HUMIDITY RISES ABOVE THE SET POINT, INITIALLY SET AT 60% (ADJUSTABLE), THE UNIT CONTROLLER MUST PLACE THE UNIT IN THE DEHUMIDIFICATION MODE OF OPERATION. WHEN THE DEHUMIDIFICATION MODE IS ACTIVATED, THE UNIT CONTROLLER MUST MAINTAIN THE EVAPORATOR COIL SUCTION TEMPERATURE AT THE COIL SUCTION TEMPERATURE SETPOINT BY MODULATING THE VCC. IF ADDITIONAL DEHUMIDIFICATION IS REQUIRED, FCC MUST BE STAGED ON. ONCE FCC IS ACTIVATED, THE VCC MUST ONLY BE ALLOWED TO MODULATE DOWN TO 70% IN ORDER TO MAINTAIN REHEAT CAPACITY. DURING THIS MODE, THE HOT GAS REHEAT COIL MUST BE CONTROLLED AS REQUIRED TO REHEAT THE UNIT'S DISCHARGE AIR TEMPERATURE.
     - b. TO STAGE DOWN THE COMPRESSORS, MINIMUM RUNS TIMES MUST BE MET, THE EVAPORATOR COIL SUCTION TEMPERATURE MUST BE BELOW THE EVAPORATOR COIL SUCTION TEMPERATURE SETPOINT AND THE VCC MUST BE AT 70% FOR A PERIOD OF TIME EQUAL TO THE STAGE DOWN DELAY. ONCE THE FCC STAGES OFF, THE VCC MUST GO TO 100% AND MODULATE DOWN AS NEEDED TO MAINTAIN THE COIL TEMPERATURE SETPOINT. THE VCC IS ALWAYS THE LAST COMPRESSOR TO BE DEACTIVATED.
     - c. WHEN THE RETURN HUMIDITY FALLS BELOW THE SET POINT MINUS 5% RH (ADJ.), CONTROL OF THE SUPPLY AIR TEMPERATURE MUST RETURN TO NORMAL OPERATION.
   - G. **HEATING CONTROL:** WHEN THERE IS A DEMAND FOR HEATING, THE ROOFTOP CONTROLLER MUST MODULATE THE GAS HEATER TO MAINTAIN THE SUPPLY AIR TEMPERATURE AT THE SUPPLY TEMPERATURE HEATING SET POINT. GAS FIRED HEATING MUST BE HARD WIRE INTERLOCKED WITH AN AIRFLOW SWITCH, WHICH MUST DISABLE HEATING IF NO AIRFLOW IS PRESENT. THE AIRFLOW SWITCH IS PROVIDED WITH THE GAS FIRED HEATER UNDER DIVISION 23, "ROOFTOP UNIT". WHEN THE SUPPLY FAN IS OFF, THE HEATING MUST BE OFF. HEATING CONTROL MUST BE ACTIVATED IN COORDINATION WITH COOLING CONTROL SO BOTH COOLING AND GAS HEATING CONTROL DO NOT OPERATE SIMULTANEOUSLY.
6. **UNIT SAFETY SHUTDOWN:**
   - A. WHEN PARTICLES OF COMBUSTION ARE SENSED BY THE SUPPLY AIR DUCT SMOKE DETECTOR, A DUCT SMOKE ALARM SIGNAL MUST BE SENT TO THE FIRE ALARM SYSTEM AND DDCS. UPON RECEIVING AN ALARM SIGNAL FROM THE SUPPLY AIR DUCT SMOKE DETECTOR, THE FIRE ALARM SYSTEM MUST ACTIVATE AN ADDRESSABLE CONTROL DEVICE (ACD) TO STOP THE UNIT FANS. WHEN THE FIRE ALARM CONDITION HAS BEEN CLEARED AND THE FIRE ALARM SYSTEM HAS BEEN RESET, THE UNIT MUST BE RETURNED TO NORMAL OPERATION.
   - B. WHEN A HIGH DUCT PRESSURE IS SENSED BY THE DUCT STATIC PRESSURE SWITCH, THE UNIT SUPPLY FAN MUST BE STOPPED AND AN ALARM SIGNAL MUST BE SENT TO THE UNIT CONTROLLER AND THE DDCS. THE DUCT PRESSURE SWITCH MUST BE SET AT 3” (MANUALLY ADJUSTABLE) AND MUST BE MANUALLY RESET AT THE SWITCH.
   - C. WHEN ECONOMIZER IS ENABLED, IF THE MIXED AIR TEMPERATURE DROPS BELOW 45 °F (ADJUSTABLE), AN ALARM SIGNAL MUST BE SENT TO THE BAS AND THE OUTSIDE AIR DAMPER MUST MODULATE TO CLOSE POSITION TO PREVENT THE MIXED AIR TEMPERATURE FROM DROPPING BELOW THE MIXED AIR LOW LIMIT SETPOINT.
7. **FILTER DIFFERENTIAL PRESSURE MONITOR:** DIFFERENTIAL PRESSURE SWITCHES MUST MONITOR THE PRESSURE DROP AT THE PRE AND FINAL FILTERS. WHEN THE PRESSURE EXCEEDS AN ADJUSTABLE LIMIT, A SIGNAL MUST BE SENT TO THE UNIT CONTROLLER AND THE DDCS. PRESSURE DIFFERENCE INDICATOR LOCATED AT THE FILTERS MUST INDICATE THE DIFFERENTIAL PRESSURE ACROSS THE FILTER.
8. **EMERGENCY VENTILATION SHUTDOWN:** SEE DETAIL F6 ON M801 SHEET FOR EMERGENCY VENTILATION SHUTDOWN SEQUENCE.

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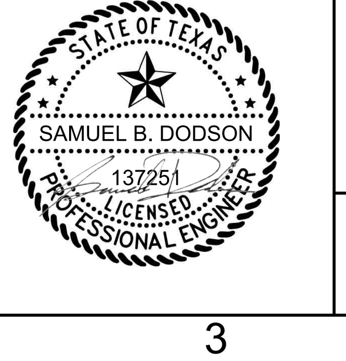

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REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

HVAC CONTROLS

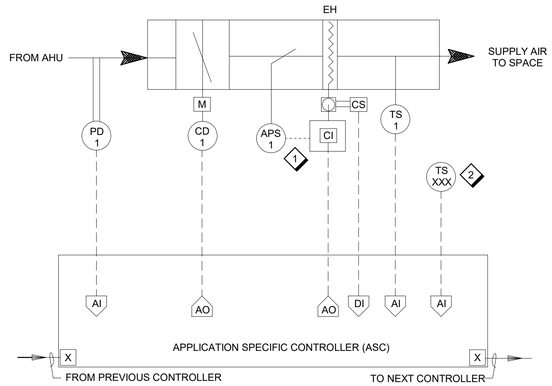
WARRENTON DCCA ADM VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY M. PAUN	ISSUED BY	DATE	JCN: 21001763
DRAWN BY M. PAUN	ENGINEERING SERVICES TERMINAL	DRAWING NO. DCCA - D - ADM - M800	REV.
CHECKED BY J. LEMENS			

PLOT DATE/TIME: 3/10/2022 3:46:13 PM

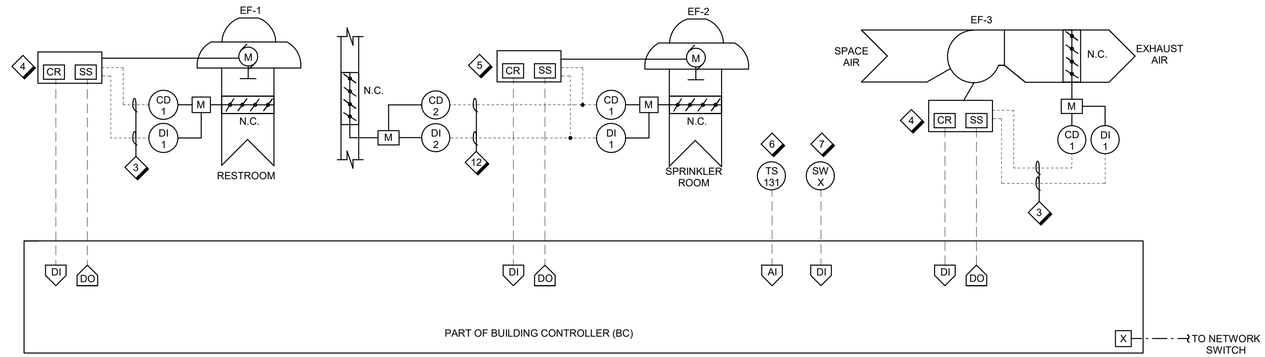


F8 M801 VAV BOX WITH REHEAT - CONTROL DIAGRAM

NTS

SEQUENCES OF OPERATION

1. **GENERAL:** THE VARIABLE AIR VOLUME TERMINAL MUST BE FULLY CONTROLLED BY THE DDCS. CONTROL MUST BE PRESSURE INDEPENDENT WITH MINIMUM AND MAXIMUM FLOW SETPOINTS, SCHEDULED OCCUPANCY WITH OPTIMUM PREOCCUPANCY, OCCUPANCY OVERRIDE, AND CONTROL OF HEATING. SCHEDULE MUST BE THE SAME AS THE PARENT AHU. .
2. **VAV BOX DAMPER CONTROL:** THE VAV BOX CONTROLLER MUST MODULATE THE VAV BOX DAMPER TO MAINTAIN THE AMOUNT OF AIR SUPPLIED TO THE SPACE AT THE SPACE AIR FLOW SET POINT (ADJUSTABLE). THE SPACE AIR FLOW SET POINT MUST BE RESET BY THE SPACE TEMPERATURE BETWEEN THE BOX MINIMUM AIR FLOW AND BOX MAXIMUM AIR FLOW. UPON A RISE IN SPACE TEMPERATURE ABOVE THE SPACE TEMPERATURE SET POINT (ADJUSTABLE), THE VAV BOX MUST INCREASE AIRFLOW TO THE MAXIMUM AIR FLOW. UPON A DROP-IN SPACE TEMPERATURE BELOW THE SPACE TEMPERATURE SET POINT, THE VAV BOX MUST DECREASE AIR FLOW TO THE MINIMUM AIR FLOW. SEE VAV TERMINAL SCHEDULE FOR VAV BOX MINIMUM AND MAXIMUM AIR FLOW SET POINTS.
3. **ELECTRIC REHEAT CONTROL:** UPON A DROP IN SPACE TEMPERATURE, AS SENSED BY THE LOCAL SPACE TEMPERATURE SENSOR, AFTER THE VAV BOX IS DELIVERING THE MINIMUM AIR FLOW, THE VAV BOX MUST ENERGIZE THE VAV BOX ELECTRIC REHEAT COIL. UPON AN INCREASE IN TEMPERATURE, THE ELECTRIC REHEAT COIL MUST BE DE-ENERGIZED.
4. **VAV BOX SET POINT CONTROL:** BY SWITCHING BETWEEN OCCUPIED AND UNOCCUPIED MODE, THE VAV CONTROLLER MUST FOLLOW THE APPROPRIATE OCCUPIED/UNOCCUPIED SETPOINTS:
   A. OCCUPIED HEATING SET POINT - 68 °F
   B. OCCUPIED COOLING SET POINT - 78 °F
   C. UNOCCUPIED HEATING SET POINT - 60 °F
   D. UNOCCUPIED COOLING SET POINT - 85 °F
5. **OCCUPANCY OVERRIDE:** WHEN THE OCCUPANCY OVERRIDE BUTTON ON THE ROOM SENSOR IS DEPRESSED MOMENTARILY DURING THE UNOCCUPIED PERIOD, THE VAV BOX MUST BE INDEXED TO THE OCCUPIED PERIOD FOR 120 MINUTES (ADJ.)
6. **ZONE SET POINT ADJUST;** THE OCCUPANT MUST BE ABLE TO ADJUST THE SPACE TEMPERATURE HEATING AND COOLING SET POINTS AT THE SPACE TEMPERATURE SENSOR. THE TEMPERATURE OFFSET MUST BE NO MORE THAN +/- 5°F.
7. **VAV HEATER STATUS:** A CURRENT SWITCH MUST BE USED TO MONITOR THE STATUS OF THE ELECTRIC HEATER.



F6 M801 EF-1, EF-2 & EF-3 EXHAUST FANS - CONTROL DIAGRAM

NTS

SEQUENCES OF OPERATION

EF-1 SEQUENCE OF OPERATION

1. **GENERAL:** THE DDCS MUST START AND STOP THE FAN BASED ON A TIME SCHEDULE. EXHAUST FAN SCHEDULE MUST BE THE SAME AS AHUs.
2. **EXHAUST FAN HAND-OFF-AUTO OPERATION:** PROVIDE A HAND-OFF-AUTO OPERATION SWITCH AT THE MOTOR STARTER. IN THE OFF MODE, THE ISOLATION DAMPER MUST BE CLOSED AND THE EXHAUST FAN MUST BE STOPPED. IN THE HAND MODE, THE ISOLATION DAMPER MUST BE OPENED AND THE DAMPER POSITION END SWITCH MUST START THE EXHAUST FAN THROUGH A HARDWIRED INTERLOCK AFTER DAMPER IS FULLY OPENED. IN THE AUTO MODE, THE EXHAUST FAN MUST BE CONTROLLED BY THE DDCS AS DESCRIBED BELOW.
3. **AUTOMATIC MODE START/STOP CONTROL:** TO START THE FAN, THE DDCS MUST SEND A START SIGNAL TO THE MOTOR STARTER. THIS MUST ENABLE THE HARD WIRE INTERLOCK THAT OPENS THE ISOLATION DAMPER. THIS MUST ENABLE THE HARD WIRE INTERLOCK THAT OPENS THE ISOLATION DAMPER. WHEN THE DAMPER IS FULLY OPENED, AS SENSED BY THE DAMPER POSITION SWITCH, THE FAN MUST BE ENERGIZED THROUGH THE HARD WIRE INTERLOCK. TO STOP THE FAN, THE DDCS MUST SEND A STOP COMMAND TO THE MOTOR STARTER WHICH MUST DE-ENERGIZES THE FAN AND CLOSE THE ISOLATION DAMPER.
4. **FAN STATUS:** A CURRENT SWITCH MUST BE USED TO MONITOR THE STATUS OF THE FAN. IF THE STATUS INDICATED DOES NOT MATCH THE COMMANDED OUTPUT FOR THE FAN AFTER A 60 SECOND (ADJUSTABLE) TIME DELAY, AN ALARM MUST BE GENERATED AND SENT TO THE DDCS AND THE FAN START COMMAND MUST BE CANCELED.

EF-3 SEQUENCE OF OPERATION

1. **GENERAL:** THE RADON FAN MUST BE MANUALLY START AND STOP BY AN AUTHORIZED PERSONNEL THROUGH THE DDCS.
2. **EXHAUST FAN HAND-OFF-AUTO OPERATION:** PROVIDE A HAND-OFF-AUTO OPERATION SWITCH AT THE MOTOR STARTER. IN THE OFF MODE, THE ISOLATION DAMPER MUST BE CLOSED AND THE EXHAUST FAN MUST BE STOPPED. IN THE HAND MODE, THE ISOLATION DAMPER MUST BE OPENED AND THE DAMPER POSITION END SWITCH MUST START THE EXHAUST FAN THROUGH A HARDWIRED INTERLOCK AFTER DAMPER IS FULLY OPENED. IN THE AUTO MODE, THE EXHAUST FAN MUST BE CONTROLLED BY THE DDCS AS DESCRIBED BELOW.
3. **AUTOMATIC MODE START/STOP CONTROL:** TO START THE FAN, THE DDCS MUST SEND A START SIGNAL TO THE MOTOR STARTER. THIS MUST ENABLE THE HARD WIRE INTERLOCK THAT OPENS THE ISOLATION DAMPER. THIS MUST ENABLE THE HARD WIRE INTERLOCK THAT OPENS THE ISOLATION DAMPER. WHEN THE DAMPER IS FULLY OPENED, AS SENSED BY THE DAMPER POSITION SWITCH, THE FAN MUST BE ENERGIZED THROUGH THE HARD WIRE INTERLOCK. TO STOP THE FAN, THE DDCS MUST SEND A STOP COMMAND TO THE MOTOR STARTER WHICH MUST DE-ENERGIZES THE FAN AND CLOSE THE ISOLATION DAMPER.
4. **FAN STATUS:** A CURRENT SWITCH MUST BE USED TO MONITOR THE STATUS OF THE FAN. IF THE STATUS INDICATED DOES NOT MATCH THE COMMANDED OUTPUT FOR THE FAN AFTER A 60 SECOND (ADJUSTABLE) TIME DELAY, AN ALARM MUST BE GENERATED AND SENT TO THE DDCS AND THE FAN START COMMAND MUST BE CANCELED.

EF-2 SEQUENCE OF OPERATION

1. **GENERAL:** THE DDCS MUST START AND STOP TO MAINTAIN THE SPACE TEMPERATURE AS DESCRIBED BELOW.
2. **EXHAUST FAN HAND-OFF-AUTO OPERATION:** PROVIDE A HAND-OFF-AUTO OPERATION SWITCH AT THE FAN STARTER. IN THE OFF MODE, THE OUTSIDE AIR DAMPER AND EXHAUST AIR DAMPER MUST BE CLOSED, AND THE EXHAUST FAN MUST BE STOPPED. IN THE HAND MODE, THE OUTSIDE AIR DAMPER AND EXHAUST AIR DAMPER MUST OPEN. WHEN THE DAMPERS ARE FULLY OPEN, THE ASSOCIATED DAMPER POSITION SWITCHES MUST START THE EXHAUST FAN MUST START AND IT RUNS CONTINUOUSLY. IN THE AUTO MODE, THE EXHAUST FAN MUST BE CONTROLLED BY THE DDCS AS DESCRIBED BELOW.
3. **AUTOMATIC MODE START/STOP CONTROL:**
   A. WHEN SPACE TEMPERATURE RISES ABOVE THE SET POINT, INITIALLY SET AT 90°F (ADJUSTABLE), THE DDCS MUST SEND A SIGNAL TO THE MOTOR STARTER WHICH MUST OPEN THE ASSOCIATED ISOLATION DAMPER AND OUTDOOR AIR INTAKE DAMPER. WHEN BOTH DAMPERS ARE FULLY OPENED, AS SENSED BY THE DAMPER POSITION SWITCHES, THE EXHAUST FAN MUST BE ENERGIZED THROUGH THE HARD WIRED INTERLOCK.
   B. WHEN SPACE TEMPERATURE DROPS BELOW SET POINT, THE DDCS MUST SEND A STOP SIGNAL TO THE MOTOR STARTER, WHICH MUST DISABLE THE EXHAUST FAN AND CLOSE THE DAMPERS.
4. **FAN STATUS:** A CURRENT SWITCH MUST BE USED TO MONITOR THE STATUS OF THE FAN. IF THE STATUS INDICATED DOES NOT MATCH THE COMMANDED OUTPUT FOR THE FAN AFTER A 60 SECOND (ADJUSTABLE) TIME DELAY, AN ALARM MUST BE GENERATED AND SENT TO THE DDCS AND THE FAN START COMMAND MUST BE CANCELED.
5. **SPACE TEMPERATURE ALARM:** AN ALARM MUST BE ANNUNCIATED TO THE DDCS IN THE EVENT THAT SPACE TEMPERATURE FALLS BELOW 50 DEGREES F (ADJ.) OR RISES ABOVE 100 DEGREES F (ADJ.).

AIR DISTRIBUTION EMERGENCY SHUT-OFF SWITCH SEQUENCE OF OPERATION

WHEN THE EMERGENCY AIR DISTRIBUTION SHUTOFF SWITCH IS ACTIVATED, RTU SUPPLY FANS MUST CONTINUE TO RUN; RTU EXHAUST FANS MUST STOP AND ASSOCIATED EXHAUST DAMPERS MUST CLOSE; RETURN AIR DAMPERS MUST FULLY OPEN AND OUTDOOR AIR DAMPERS MUST CLOSE; ALL EXHAUST FANS MUST STOP AND ASSOCIATED DAMPERS MUST CLOSE. WHEN THE EMERGENCY CONDITION HAS BEEN CLEARED, AND THE MANUAL SWITCH HAS BEEN RESET, THE MECHANICAL EQUIPMENT MUST BE RETURNED TO NORMAL OPERATION. PROGRAM A TIME DELAY SEQUENCE INTO THE DDCS TO STAGGER THE RESTART OF MECHANICAL EQUIPMENT AFTER AN EMERGENCY SHUTDOWN TO PREVENT CREATING A SPIKE IN THE FACILITY ELECTRICAL POWER.

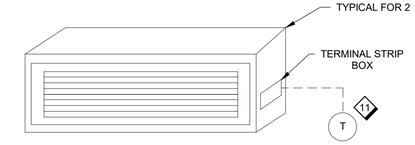
GENERAL SHEET NOTES

A. REFER TO DRAWING M001 AND M002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. PROVIDE LOW LEAKAGE AIR DAMPER TO MEET ATFP REQUIREMENTS.

SHEET NOTES

1. HARDWIRE INTERLOCK ELECTRIC COIL WITH AIR FLOW SWITCH. WHEN AIR FLOW SWITCH INDICATED THAT THERE IS NO AIR FLOW, ELECTRIC COIL MUST BE DISABLE.
2. PROVIDE SPACE TEMPERATURE SENSOR FOR SPACE TEMPERATURE CONTROL AND MONITORING. SEE MECHANICAL FLOOR PLANS FOR SPACE TEMPERATURE SENSOR'S LOCATION. XXX REPRESENTS ASSOCIATED VAV UNIT NUMBER.
3. PROVIDE INTERLOCK WIRING BETWEEN EXHAUST FAN AND ASSOCIATED ISOLATION DAMPER. WHEN ISOLATION DAMPER IS OPEN THE FAN MUST BE STARTED BY THE DAMPER POSITION SWITCH. FAN MUST STOP IF ISOLATION DAMPER CLOSES.
4. MOTOR STARTER WITH HAND-OFF-AUTO SWITCH.
5. DISCONNECT SWITCH WITH HAND-OFF AUTO SWITCH.
6. PROVIDE SPACE TEMPERATURE SENSOR FOR SPACE TEMPERATURE CONTROL AND MONITORING. SEE MECHANICAL SHEET M102 FOR SPACE TEMPERATURE SENSOR LOCATION.
7. PROVIDE AIR DISTRIBUTION EMERGENCY SHUT-OFF SWITCH WHERE INDICATED ON MECHANICAL SHEETS M102, M103, M104, M105.
8. CONNECT AC UNIT MOUNTED BACNET INTERFACE CARD TO THE BAS NETWORK AND PROVIDE MONITORING POINTS INDICATED IN THE POINTS SCHEDULE THROUGH THE BACNET NETWORK.
9. THERMOSTAT IS PROVIDED BY UNIT MANUFACTURER FOR INSTALLATION IN FIELD. INSTALL AND CONNECT THERMOSTAT IN ACCORDANCE WITH REQUIREMENTS AND INSTRUCTIONS PROVIDED BY FCU MANUFACTURER. SEE MECHANICAL FLOOR PLANS FOR LOCATION OF THERMOSTAT ASSOCIATED WITH FCU.
10. UNIT MOUNTED BACNET INTERFACE CARD PROVIDED BY FCU MANUFACTURER.
11. WALL-MOUNTED THERMOSTAT PROVIDED BY HEATER MANUFACTURER.
12. PROVIDE INTERLOCK WIRING BETWEEN EXHAUST FAN, ASSOCIATED EXHAUST AIR DAMPER AND OUTSIDE AIR INTAKE LOUVER DAMPER. WHEN FAN IS COMMANDED TO START IN EITHER HAND OR AUTO MODE, THE DAMPERS MUST OPEN. ONCE THE DAMPERS ARE PROVEN OPEN BY DAMPER LIMIT SWITCHES, THE FAN MUST START. THE EXHAUST FAN MUST STOP IF ANY DAMPER CLOSES.

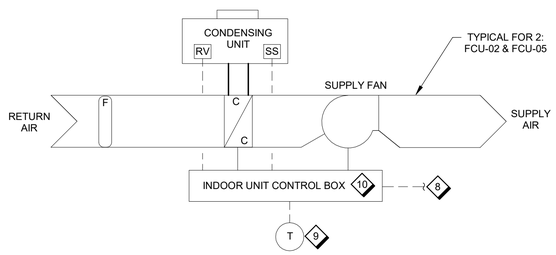


F4 M801 UNIT HEATER - CONTROL DIAGRAM

NTS

SEQUENCES OF OPERATION

1. **GENERAL:** ELECTRIC UNIT HEATER MUST BE CONTROLLED BY A WALL-MOUNTED THERMOSTAT, NOT THROUGH THE DDCS.
2. **ELECTRIC UNIT HEATER:** WHEN THE TEMPERATURE DROPS BELOW THE SETPOINT, INITIALLY SET AT 55°F (ADJ.), THE ELECTRIC UNIT HEATER MUST BE ENABLED AND THE FAN MUST OPERATE. WHEN THE TEMPERATURE RISES ABOVE THE SET POINT, THE ELECTRIC UNIT HEATER MUST BE DISABLED AND THE FAN MUST STOP.

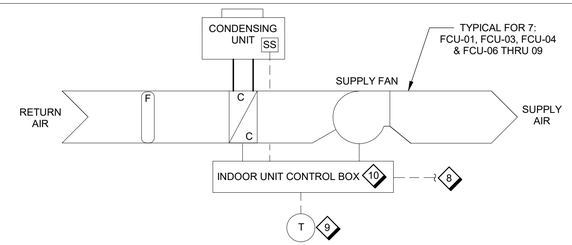


B8 M801 FAN COIL UNIT(HEAT PUMP) - CONTROL DIAGRAM

NTS

SEQUENCES OF OPERATION

1. **GENERAL:** HEAT PUMP FAN COIL UNIT MUST BE CONTROLLED BY A WALL-MOUNTED THERMOSTAT PROVIDED BY UNIT'S MANUFACTURER. THE UNIT MUST HAVE THE ABILITY TO COMMUNICATE WITH THE BUILDING CONTROL SYSTEM THROUGH BACNET NETWORK AND MUST INCLUDE THE READING AND WRITING OF DATA TO ALLOW UNIT MONITORING, CONTROL AND ALARM NOTIFICATION.
2. **UNIT ENABLE/DISABLE:** THE DDCS MUST ENABLE OR DISABLE THE FCU. WHEN THE UNIT IS ENABLED BY THE DDCS, THE UNIT MUST OPERATE CONTINUOUSLY, 24 HOURS A DAY, YEAR ROUND. IF COMMUNICATION IS LOST, A CRITICAL ALARM MUST BE GENERATED AT THE BAS OPERATOR'S WORKSTATION AND THE UNIT CONTROLLER MUST OPERATE USING DEFAULT MODE AND SETPOINT.
3. **FAN CONTROL:** FAN SPEED MUST BE ADJUSTABLE BY THE USER AT THE WALL-MOUNTED THERMOSTAT AND/OR THE DDCS.
4. **SPACE TEMPERATURE CONTROL:** WHEN THE SPACE TEMPERATURE RISES ABOVE THE SPACE TEMPERATURE COOLING SETPOINT THE REVERSING VALVE MUST BE INDEXED TO PROVIDE COOLING AND THE COMPRESSOR MUST CYCLE ON TO MAINTAIN SPACE TEMPERATURE SETPOINT OF 78 DEGREES F (ADJ.). WHEN THE SPACE TEMPERATURE FALLS BELOW THE SPACE TEMPERATURE HEATING SETPOINT THE REVERSING VALVE MUST BE INDEXED TO PROVIDE HEATING AND THE COMPRESSOR MUST CYCLE ON TO MAINTAIN SPACE TEMPERATURE SETPOINT OF 55 DEGREES F (ADJ.). WHEN THE SPACE TEMPERATURE IS IN BETWEEN THE HEATING AND COOLING SETPOINTS, THE COMPRESSOR MUST BE DEACTIVATED.
5. **SPACE TEMPERATURE ALARM;** AN ALARM MUST BE ANNUNCIATED TO THE DDCS IN THE EVENT THAT SPACE TEMPERATURE FALLS BELOW 50 DEGREES F (ADJ.) OR RISES ABOVE 82 DEGREES F (ADJ.).



B6 M801 FAN COIL UNIT - CONTROL DIAGRAM

NTS

SEQUENCES OF OPERATION

1. **GENERAL:** FCU MUST BE CONTROLLED BY A WALL-MOUNTED THERMOSTAT PROVIDED BY UNIT'S MANUFACTURER. THE UNIT MUST HAVE THE ABILITY TO COMMUNICATE WITH THE BUILDING CONTROL SYSTEM THROUGH BACNET NETWORK AND MUST INCLUDE THE READING AND WRITING OF DATA TO ALLOW UNIT MONITORING, CONTROL AND ALARM NOTIFICATION.
2. **UNIT ENABLE/DISABLE:** THE DDCS MUST ENABLE OR DISABLE THE FCU. WHEN THE UNIT IS ENABLED BY THE DDCS, THE UNIT MUST OPERATE CONTINUOUSLY, 24 HOURS A DAY, YEAR ROUND. IF COMMUNICATION IS LOST, A CRITICAL ALARM MUST BE GENERATED AT THE BAS OPERATOR'S WORKSTATION AND THE UNIT CONTROLLER MUST OPERATE USING DEFAULT MODE AND SETPOINT.
3. **FAN CONTROL:** FAN SPEED MUST BE ADJUSTABLE BY THE USER AT THE WALL-MOUNTED THERMOSTAT AND/OR THE DDCS.
4. **SPACE TEMPERATURE CONTROL:** THE INDOOR UNIT MUST MODULATE ITS INTERNAL LINEAR EXPANSION VALVE TO MAINTAIN THE TEMPERATURE SET POINT VIA THE INDOOR UNIT'S INTERNAL CONTROLS. THE SET POINT MUST BE ADJUSTABLE AT THE THERMOSTAT AND INITIALLY SET AT 78 DEGREES F (ADJ°F.).
5. **SPACE TEMPERATURE ALARM:** AN ALARM MUST BE ANNUNCIATED TO THE DDCS IN THE EVENT THAT SPACE TEMPERATURE RISES ABOVE 82 DEGREES F (ADJ.).

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

HVAC CONTROLS

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE
	DESIGNED BY M. PAUN	ISSUED BY: ENGINEERING SERVICES TERMINAL
	DRAWN BY M. PAUN	DATE — JCN: 21001763
	CHECKED BY J. LEMENS	DRAWING NO. DCCA - D - ADM - M801 — REV.

PLOT DATE/TIME: 4/13/2022 4:00:44 PM

DDCS POINT FUNCTION SCHEDULE

POINT DESCRIPTION	DEVICE CODE	HARDWARE: SUPERVISED WIRING	ANALOG INPUT	DIGITAL INPUT	ADDRESSABLE INPUT	ACCUMULATOR INPUT	ANALOG OUTPUT	2 STATE DIGITAL OUTPUT	3 STATE DIGITAL OUTPUT	ADDRESSABLE OUTPUT	FAIL MODE: FAIL ON (OPEN)	FAIL OFF (CLOSED)	LAST COMMAND STATE	LOCAL DEFAULT	SOFTWARE: NETWORK POINT	CALCULATED POINT	MAINTENANCE ALARM	CRITICAL ALARM	PROGRAM START (STOP)	OPTIMUM START (STOP)	MORNING WARM/COOL	UNOCCUPIED SETPOINT	DEMAND LIMIT	DUTY CYCLE	ENTHALPY ECONOMIZER	DIRECT DIGITAL CONTROL	SET POINT ADJUSTMENT	TOTALIZER	RUN TIME	LIGHTING CONTROL	TENANT BILLING	ALARM INSTRUCTIONS	MAINTENANCE WORK ORDER	ALARM LIMITS	SOFTWARE INTERLOCKS	GRAPHICS: 2-D GRAPHICS	3-D GRAPHICS	FLOOR PLAN	POINT LIST	ALARM LIMITS: LOW LIMIT (1)	HIGH LIMIT (1)	NOTES
ROOFTOP AIR HANDLING UNITS (RTU-1 THRU 4)															■																					■		■	■			TYPICAL FOR 4
SUPPLY FAN START/STOP	SS														■																											TYPICAL FOR 4
SUPPLY FAN STATUS	AX														■																											TYPICAL FOR 4
SUPPLY FAN VFD SPEED	CI														■																											TYPICAL FOR 4
SUPPLY AIR TEMPERATURE	TS														■																									50 °F	70 °F	TYPICAL FOR 4
SUPPLY AIR HUMIDITY	HS														■																											TYPICAL FOR 4
GAS-FIRED HEATER	GFH														■																											TYPICAL FOR 4
RETURN AIR TEMPERATURE	TS														■																											TYPICAL FOR 4
RETURN AIR HUMIDITY	HS														■																										65 %RH	TYPICAL FOR 4
COMP "A" COMMAND	CI														■																											TYPICAL FOR 4
COMP "A" STATUS	AX														■																											TYPICAL FOR 4
COMP "B" ENABLE/DISABLE	ED														■																											TYPICAL FOR 4
COMP "B" STATUS	AX														■																											TYPICAL FOR 4
DX HOT GAS REHEAT COMMAND	CI														■																											TYPICAL FOR 4
COOLING COIL DISCHARGE AIR TEMPERATURE	TS														■																											TYPICAL FOR 4
PRE-FILTER ALARM	DP														■																											TYPICAL FOR 4
FINAL-FILTER ALARM	DP														■																											TYPICAL FOR 4
MIXED AIR TEMPERATURE	TS														■																									45 °F		TYPICAL FOR 4
MIXED AIR DAMPER	CD														■																											TYPICAL FOR 4
OUTDOOR AIR FLOW METER	AFM														■																											TYPICAL FOR 4
EXHAUST FAN START/STOP	SS														■																											TYPICAL FOR 4
EXHAUST FAN STATUS	AX														■																											TYPICAL FOR 4
EXHAUST FAN VFD SPEED	CI														■																											TYPICAL FOR 4
OUTDOOR AIR TEMPERATURE	TS														■																											TYPICAL FOR 4
OUTDOOR AIR HUMIDITY	HS														■																											TYPICAL FOR 4
DUCT STATIC PRESSURE	PD														■																									0.2 IN WC	1.7 IN WC	TYPICAL FOR 4
BUILDING DIFFERENTIAL PRESSURE	PD														■																									-0.1 IN WC	0.1 IN WC	TYPICAL FOR 4
VAV BOX WITH REHEAT																																			■		■	■			TYPICAL FOR 70
SPACE TEMPERATURE	TS		●														●														●		●							60 °F	80 °F	TYPICAL FOR 70
SUPPLY AIR TEMPERATURE	TS		●														●														●		●							---	100 °F	TYPICAL FOR 70
DAMPER CONTROL	CD								●				●													●								●								TYPICAL FOR 70
ELECTRIC COIL COMMAND INPUT	CI						●					●														●																TYPICAL FOR 70
ELECTRIC COIL STATUS	CS			●																																						TYPICAL FOR 70
VAV BOX AIR FLOW (CFM)	PD		●														●														●		●									TYPICAL FOR 70
EXHAUST FANS (EF-1, EF-2 & EF-3)																																			■		■	■				
EF-1 START/STOP	SS						●																																			
EF-1 STATUS	CR			●														●											●			●										
EF-2 START/STOP	SS						●																																			
EF-2 STATUS	CR			●														●											●			●										
SPACE TEMPERATURE	TS		●														●														●		●							50 °F	100 °F	
EF-3 START/STOP	SS						●																																			
EF-3 STATUS	CR			●														●											●			●										
EMERGENCY AIR DISTRIBUTION SHUTDOWN	SW			●																																						TYPICAL FOR 4
HEAT PUMP FAN COIL UNIT (FCU-02 & FCU-05)	---																																		■		■	■			TYPICAL FOR 2
SYSTEM ENABLE/DISABLE	---														■																											TYPICAL FOR 2
UNIT OFF/ON SETUP	---														■																											TYPICAL FOR 2
UNIT MODE SETUP	---														■																											TYPICAL FOR 2
SUPPLY FAN ECM SPEED SETUP	---														■																											TYPICAL FOR 2
UNIT OFF/ON STATE	---														■																											TYPICAL FOR 2
UNIT MODE STATE	---														■																											TYPICAL FOR 2
FAN SPEED STATE	---														■																											TYPICAL FOR 2
REVERSING VALVE	---														■																											TYPICAL FOR 2
SPACE TEMPERATURE	---														■																									50 °F	80 °F	TYPICAL FOR 2
SPACE TEMPERATURE SETPOINT	---														■																											TYPICAL FOR 2
UNIT FAULT	---														■																											
FAN COIL UNIT (FCU-01, FCU-03, FCU-04, & FCU-06 THRU 09)	---														■																				■		■	■			TYPICAL FOR 7
SYSTEM ENABLE/DISABLE	---														■																											TYPICAL FOR 7
UNIT OFF/ON SETUP	---														■																											TYPICAL FOR 7
UNIT MODE SETUP	---														■																											TYPICAL FOR 7
SUPPLY FAN ECM SPEED SETUP	---														■																											TYPICAL FOR 7
UNIT OFF/ON STATE	---														■																											TYPICAL FOR 7
UNIT MODE STATE	---														■																											TYPICAL FOR 7
FAN SPEED STATE	---														■																											TYPICAL FOR 7
SPACE TEMPERATURE	---														■																										80 °F	TYPICAL FOR 7
SPACE TEMPERATURE SETPOINT	---														■																											TYPICAL FOR 7
UNIT FAULT	---														■																											TYPICAL FOR 7

LEGEND:

- ● DENOTES HARDWARE BACNET DDC POINT
- ■ DENOTES NETWORK BACNET DDC POINT

GENERAL SHEET NOTES

A. REFER TO DRAWING M001 AND M002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

SHEET NOTES (-)

1. LISTED ALARM LIMITS ARE INITIAL SETTINGS ONLY. ACTUAL ALARM LIMITS MAY DIFFER DEPENDING ON ACTUAL OPERATING CONDITIONS.
2. POINT TO BE MAPPED TO ROOFTOP AIR HANDLING UNIT CONTROLLERS FOR EMERGENCY VENTILATION SHUTDOWN SEQUENCE.

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

HVAC CONTROLS

WARRENTON — DCCA ADM — VA

STATE OF TEXAS — SAMUEL B. DODSON — 137251 — LICENSED PROFESSIONAL ENGINEER

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

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DRAWN BY: M. PAUN
CHECKED BY: J. LEMENS
ISSUED BY: ENGINEERING SERVICES TERMINAL
DATE
JCN: 21001763
DRAWING NO.: DCCA - D - ADM - M802
REV.

PLOT DATE/TIME: 4/13/2022 4:00:46 PM

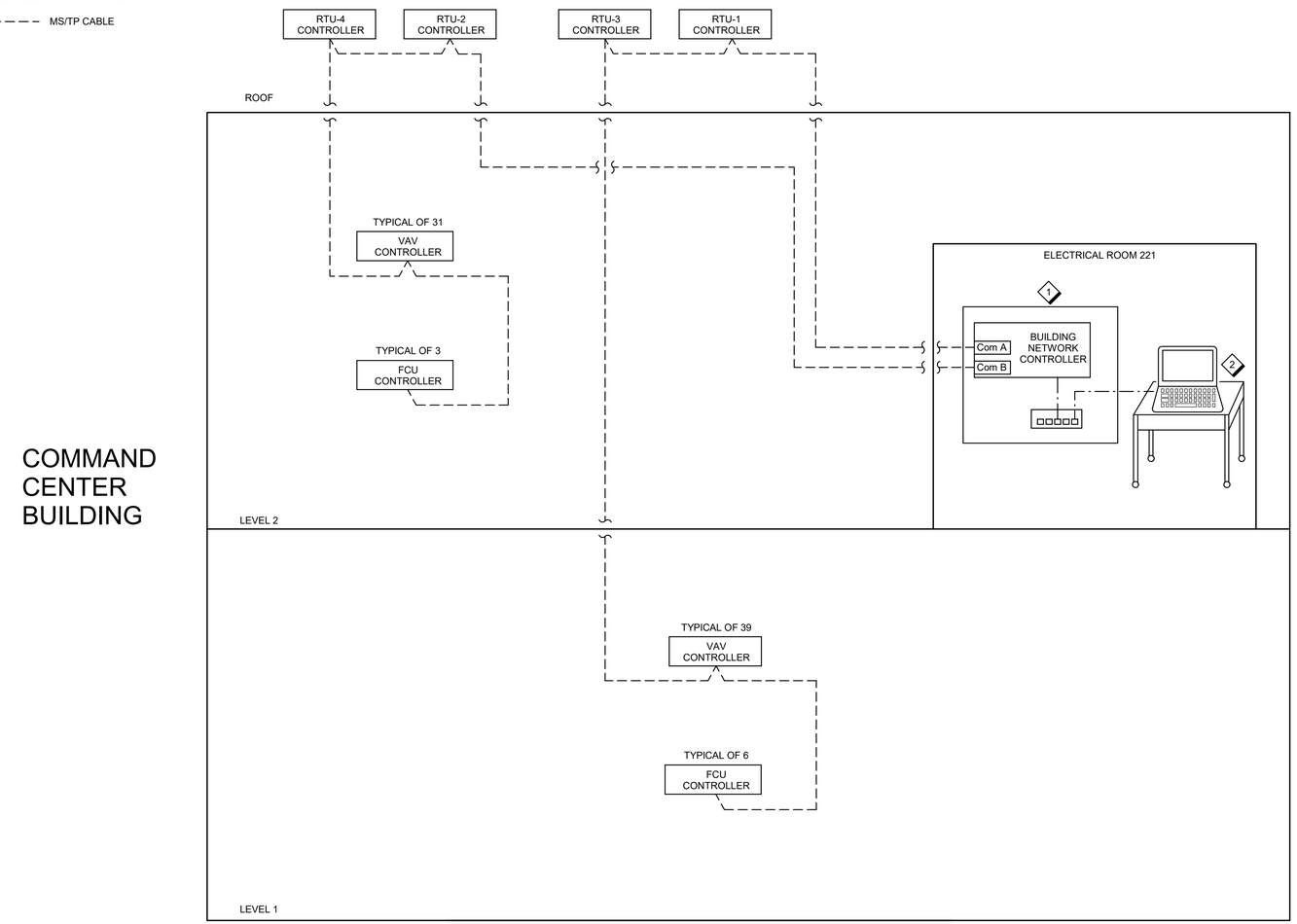
GENERAL SHEET NOTES

A. REFER TO DRAWING M001 AND M002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

LEGEND

CAT 5E/6 CABLE

MS/TP CABLE



B7 / M803 **DDC SYSTEM NETWORK RISER DIAGRAM** 3

NTS

SHEET NOTES 3

1. PROVIDE BUILDING NETWORK CONTROL PANEL IN ELECTRICAL ROOM 221.
2. PROVIDE LAPTOP COMPUTER LOADED WITH FULLY LICENSED BACNET FRONT-END SOFTWARE AND NECESSARY NETWORK HARDWARE IN ELECTRICAL ROOM 221. PROVIDE STANDING COMPUTER WORKSTATION AS INDICATED ON THE DIAGRAM.
3. THE INTENT OF THIS DIAGRAM IS TO DEFINE NETWORK COMMUNICATION. THIS DIAGRAM IS NOT INTENDED TO DEFINE ALL HARDWARE AND NETWORK REQUIREMENTS.

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WARRENTON ADMINISTRATIVE BUILDING

HVAC CONTROLS

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DCCA ADM
WARRENTON, VA

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PLUMBING ABBREVIATIONS

ABBREVIATION	DESCRIPTION
(D)	TO BE DEMOLISHED
(E)	EXISTING TO REMAIN
AC	AIR COMPRESSOR
ACFM	ACTUAL CUBIC FEET PER MIN.
ADJ.	ADJUSTABLE
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
AP	ACCESS PANEL
ART	COMPRESSED AIR RECEIVING TANK
B&C	BALANCING & CHECK VALVE
BFF	BELOW FINISHED FLOOR
BV	BALANCING VALVE
C	CONDENSATE
CBV	CALIBRATED BALANCING VALVE
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CLG	CEILING
CO	CLEANOUT
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CV	CHECK VALVE
DCP	DOMESTIC HOT WATER CIRCULATING PUMP
DCV	DUAL CHECK VALVE
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWH	DOMESTIC HOT WATER HEATER
DHWR	DOMESTIC HOT WATER RECIRCULATION
DIAM.	DIAMETER
DN	DOWN
DWV	DRAIN-WASTE-VENT SYSTEM
ET	EXPANSION TANK
EWH	ELECTRIC WATER HEATER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
F.F.E.	FINISHED FLOOR ELEVATION
F.G.E.	FINISHED GRADE ELEVATION
FLR	FLOOR
FR	FROM
FS	FLOOR SINK
GALS	GALLONS
GCO	GRADE CLEANOUT
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GV	GATE VALVE
GWH	GAS WATER HEATER
HB	HOSE BIBB
HP	HORSEPOWER
ID	INDIRECT DRAIN
I.E.	INVERT ELEVATION
IN. WC	INCHES OF WATER COLUMN
LAV	LAVATORY
m	METERS
mm	MILLIMETERS
MBH	THOUSAND BRITISH THERMAL UNITS
MS	MOP SINK
NFHB	NON-FREEZE HOSE BIBB
NG	NATURAL GAS
(NO)	NORMALY OPEN
NPW	NON-POTABLE WATER
OFD	OVERFLOW DRAINS
PD	PUMP DISCHARGE
PG	PRESSURE GAUGE
PSIG	POUNDS PER SQUARE INCH GAUGE
RD	ROOF DRAIN
RL	RAINLEADER
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE BACKFLOW PREVENTER
RTU	ROOF TOP UNIT
SAN OR SS	SANITARY
SD	STORM
SOV	LINE SIZE, FULL OPEN PORT SHUT OFF VALVE
SP	SUMP PUMP
TAB	TESTING, ADJUSTING, BALANCING
TBD	TO BE DETERMINED
TDH	TOTAL DYNAMIC HEAD
TPV	TRAP PRIMER VALVE
U	URINAL
UH	UNIT HEATER
US	UTILITY SINK
V	VENT
VFD/VSD	VARIABLE FREQUENCY/SPEED DRIVE
VTR	VENT THROUGH ROOF
W	WASTE
WHA	WATER HAMMER ARRESTOR
WC	WATER CLOSET
WCO	WALL OR PLUGGET CLEANOUT

PLUMBING LEGENDS & SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
	DCW	DOMESTIC COLD WATER SUPPLY
	DHW	DOMESTIC HOT WATER SUPPLY
	DHWR	DOMESTIC HOT WATER RETURN LINE
CA	CA	COMPRESSED AIR LINE
NG	NG	NATURAL GAS
SAN	SAN	SANITARY SEWER/WASTE ABOVE FLOOR OR GRADE
SAN	SAN	SANITARY SEWER/WASTE BELOW FLOOR OR GRADE
	V	SANITARY VENT
SD	SD	STORM DRAIN ABOVE FLOOR OR GRADE
SD	SD	STORM DRAIN BELOW FLOOR OR GRADE
PD	PD	SUMP PUMP DISCHARGE
CRPD	CRPD	CONDENSATE RETURN PUMP DISCHARGE
F	F	FIRE LINE
	ID	INDIRECT DRAIN
MPG	MPG	MEDIUM PRESSURE FUEL GAS
OFD	OFD	OVERFLOW RAIN LEADER ABOVE FLOOR OR GRADE
OFD	OFD	OVERFLOW RAIN LEADER BELOW FLOOR OR GRADE
RL	RL	RAIN LEADER ABOVE FLOOR OR GRADE
RL	RL	RAIN LEADER BELOW FLOOR OR GRADE
		GAS COCK
	WHA	WATER HAMMER ARRESTOR
		ANCHOR
	RPZ	REDUCED PRESSURE BACKFLOW ASSEMBLY
		FLUID FLOW DIRECTION
		PIPE TURNING UP
		PIPE TURNING DOWN
		CONCENTRIC REDUCER
		ECCENTRIC REDUCER
		CAPPED PIPE/OUTLET
		PLUGGED PIPE/OUTLET
		RUNNING TRAP
		BALANCING VALVE
		BALL VALVE
		GATE VALVE
		ANGLE VALVE
		CHECK VALVE
		GAS PRESSURE REGULATOR
		OS & Y/SHUT-OFF VALVE
		PRESSURE REDUCING VALVE
		PRESSURE/TEMPERATURE RELIEF VALVE
		UNION
	HB	HOSE BIBB
C	FD	FLOOR DRAIN
	CO	FLOOR CLEANOUT
	WCO	WALL AND ABOVE CEILING CLEANOUT
	BWV	BACKWATER VALVE
		DIRECTION OF FLOW
PD	PD	PUMP DISCHARGE
TW	TW	TEMPERED WATER
NPW	NPW	NON-POTABLE WATER
C	C	CONDENSATE DRAIN PIPE
TP	TP	TRAP PRIMER LINE
S	S	SANITARY AND VENT RISER
W	W	DOMESTIC WATER RISER
RL	RL	STORM RAINLEADER RISER

NOTE: NOT ALL ABBREVIATION AND SYMBOLS SHOWN HERE ARE UTILIZED.

DEMOLITION LEGENDS & SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
	(D) DCW	DOMESTIC COLD WATER SUPPLY TO BE REMOVED
	(D) DHW	DOMESTIC HOT WATER SUPPLY TO BE REMOVED
	(D) DHWR	DOMESTIC HOT WATER RETURN LINE TO BE REMOVED
	(D) NG	NATURAL GAS PIPING TO BE REMOVED
	(D) SAN	SANITARY SEWER/WASTE ABOVE FLOOR TO BE REMOVED
	(D) V	SANITARY VENT TO BE REMOVED
	(D) SD	STORM DRAIN BELOW FLOOR OR GRADE TO BE REMOVED
		ENDING POINT OF DEMOLITION
		POINT OF CONNECTION OF NEW TO EXISTING

GENERAL DEMOLITION NOTES

A. FIELD VERIFY EXISTING CONDITIONS AND NOTIFY COR OF ANY DISCREPANCY BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS.

B. COORDINATE EXTENT OF DEMOLITION WITH NEW CONSTRUCTION.

C. PLUMBING FIXTURES WITHIN SCOPE MUST BE DEMOLISHED IN THEIR ENTIRETY. ALL CARRIERS, HANGERS, FITTINGS, SUPPORTS AND OTHER EXISTING PIPING ASSOCIATED ELEMENTS WILL BE DEMOLISHED.

D. SANITARY PIPING LOCATED UNDERNEATH FIRST FLOOR CONCRETE SLAB THAT IS TO BE DEMOLISHED IN PLACE MUST BE ABANDONED IN PLACE BY COMPLETELY FILLING WITH CONCRETE/GROUT AND CAPPED WITH FLUSH FLOOR PLATE MECHANICALLY SECURED IN PLACE.

E. ASSOCIATED ABOVEGROUND SANITARY PIPING MUST BE DEMOLISHED AND CAPPED TO BELOW SLAB. ASSOCIATED VENT PIPING MUST BE DEMOLISHED IN ITS ENTIRETY.

F. ASSOCIATED COLD AND HOT WATER PIPING WILL BE DEMOLISHED AND CAPPED WATERTIGHT BACK TO MAINS OR TO POINT INDICATED ON PLANS.

G. COORDINATE ALL DEMOLITION PHASING AND SHUT DOWNS WITH CONTRACTING OFFICER'S REPRESENTATIVE TO ENSURE THAT NO AREA IS TAKEN OUT OF SERVICE WITHOUT OWNER'S CONSENT.

H. FIRST FLOOR CONCRETE SLAB CUTTING MUST BE COORDINATED TO PREVENT DAMAGE TO EXISTING RADON MITIGATION PVC PIPE GRID SYSTEM, AND COORDINATED FOR BELOW SLAB STRUCTURAL ELEMENTS. WHERE PIPING IS ENCOUNTERED OR DAMAGED, IT MUST BE REPAIRED BY REPLACING ANY DAMAGED PIPE USING QUALITY MATERIALS AND QUALITY WORKMANSHIP PRACTICES AND PROCEDURES. ANY VAPOR BARRIERS DISTURBED MUST BE REPAIRED BY REPLACING ANY DAMAGED BARRIERS USING QUALITY MATERIALS AND QUALITY WORKMANSHIP PRACTICES AND PROCEDURES.

GENERAL NOTES

A. THE INTENT OF THESE DRAWINGS IS TO PROVIDE COMPLETE AND PROPERLY FUNCTIONING PLUMBING SYSTEMS. LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLETE THIS WORK MUST BE PROVIDED.

B. PLUMBING WORK ON THIS PROJECT MUST BE PROVIDED IN ACCORDANCE WITH THE 2018 INTERNATIONAL PLUMBING CODE AND APPLICABLE LOCAL CODES.

C. COORDINATE PLUMBING WORK WITH SITE CONDITIONS AND THE WORK OF OTHER TRADES.

D. VERIFY SLOPES AND INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF WORK.

E. THE WORK REQUIRED MUST INCLUDE PROVIDING MATERIALS, CUTTING, PATCHING, ADAPTING AND OTHER INCIDENTAL WORK, TOGETHER WITH SUCH TEMPORARY CONNECTIONS AS MAY BE REQUIRED.

F. SLOPE ALL HORIZONTAL SANITARY WASTE PIPING 3" AND SMALLER AT 1/4" PER FOOT AND SLOPE ALL HORIZONTAL SANITARY WASTE PIPING 4" AND LARGER AT 1/8" PER FOOT UNLESS OTHERWISE SPECIFIED ON PLANS.

G. ALL ABOVESLAB HORIZONTAL PIPING, INCLUDING SANITARY WASTE INSTALLED OVERHEAD, MUST BE RUN ABOVE CEILING OR TIGHT TO STRUCTURE UNLESS NOTED OTHERWISE.

H. PROVIDE FIRE-STOPPING AT PENETRATIONS THROUGH RATED PARTITIONS. THIS INCLUDE PENETRATIONS THROUGH RATED WALLS, BARRIERS, CEILINGS, ROOFS, AND FLOORS. PROVIDE MANUFACTURER'S STANDARD FIRE-STOPPING SEALANT, WITH ACCESSORY MATERIALS, HAVING A MINIMUM FIRE RESISTANCE RATING EQUAL TO THE FIRE-RATED BARRIER THAT IS PENETRATED. FIRE-STOPPING SYSTEMS MUST BE UL 1479 LISTED AND TESTED IN ACCORDANCE WITH ASTM E814.

I. PROVIDE ACCESS PANELS FOR VALVES, TRAP PRIMERS AND OTHER PLUMBING SPECIALTIES LOCATED INSIDE CHASES, BEHIND WALLS OR ABOVE INACCESSIBLE CEILINGS.

J. SHUT OFF VALVES MUST BE PROVIDED AT THE BEGINNING OF BRANCH LINES AND AT EACH INDIVIDUAL WATER LINE SERVING WALL HYDRANTS OR HOSE BIBBS. INDIVIDUAL SHUT OFF VALVES (ANGLE STOP VALVES) MUST BE PROVIDED AT WATER SUPPLY LINES SERVING THE PLUMBING FIXTURES. REFER TO RISER DIAGRAMS FOR LOCATIONS OF SHUT OFF VALVES.

K. HOT WATER RECIRCULATION SYSTEM MUST BE PROVIDED WITH BALANCING VALVES AND CHECK VALVES AT EACH RECIRCULATION BRANCH.

L. PAINT VENT THROUGH ROOF (VTR) TO MATCH THE ADJACENT ROOF.

M. EXTERIOR NATURAL GAS PIPING MUST BE PAINTED WITH CORROSION RESISTANT EPOXY COATING. COLOR MUST BE 'SAFETY YELLOW' UNLESS OTHERWISE SPECIFIED BY THE ARCHITECT.

N. SANITARY AND STORM PIPE INVERTS EXITING THE BUILDING MUST BE COORDINATED WITH BUILDING FOOTERS.

O. PLUMBING DRAWINGS ARE IN PART DIAGRAMMATIC AND INTENDED TO SHOW THE SCOPE AND GENERAL ARRANGEMENT OF THE WORK UNDER THIS CONTRACT. FOLLOW THESE DRAWINGS FOR SIZES OF THE EQUIPMENT, PIPING AND GENERAL PIPE ROUTING. DRAWINGS ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MEASUREMENTS NOR TO SERVE AS SHOP DRAWINGS. WHERE JOB CONDITIONS REQUIRE CHANGES OR ADJUSTMENTS IN THE INDICATED LOCATIONS OR ARRANGEMENT OF THE WORK, SUCH CHANGES MUST BE MADE WITHOUT CHANGE IN THE CONTRACT AMOUNT.

P. INDICATED EXISTING CONDITIONS (E.G. SIZE/LOCATION OF PIPING, EQUIPMENT, AND BUILDING ELEMENTS) ARE BASED ON INFORMATION OBTAINED FROM AVAILABLE RECORD DRAWINGS AND/OR FIELD SURVEYS. EXISTING CONDITIONS NOT RELATED TO THE WORK MAY NOT BE SHOWN. EXISTING CONDITIONS ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND ARE NOT GUARANTEED TO BE COMPLETE OR CORRECT. PLANNING AND CHECKING HAS BEEN DONE BY THE ENGINEER TO MINIMIZE INTERFERENCES. PRIOR TO START OF EFFORT, FIELD VERIFY EXACT LOCATION AND SIZES OF ALL ELEMENTS RELATED TO THE WORK. ROUTING OF PIPING SHOWN ON DRAWINGS IS DIAGRAMMATIC. ASCERTAIN THAT INTERFERENCES WILL NOT BE ENCOUNTERED, PREVENTING THE DISASSEMBLY OF PARTIALLY OR COMPLETELY ERECTED SYSTEMS FOR RE-ROUTINGTO CLEAR OBSTRUCTIONS WHICH MAY EXIST.

Q. EXISTING BELOW SLAB RADON MITIGATION SYSTEM PIPING MUST REMAIN. WHERE RADON PIPE IS ENCOUNTERED, PROVIDE REPAIR TO DAMAGED PIPE UTILIZING METHODS AND MATERIALS MATCHING EXISTING SYSTEM IN A WORKMANLIKE MANNER. CONFLICTS BETWEEN REPLACEMENT SANITARY SYSTEMS ROUTING AND EXISTING RADON MITIGATION SYSTEM PIPING MUST BE COORDINATED AS REQUIRED FOR REVISED INVERTS. NOTIFY OWNER AND ENGINEER IMMEDIATELY.

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PLUMBING LEGEND, SYMBOLS, ABBREVIATIONS AND GENERAL NOTES

WARRENTON — DCCA ADM — VA

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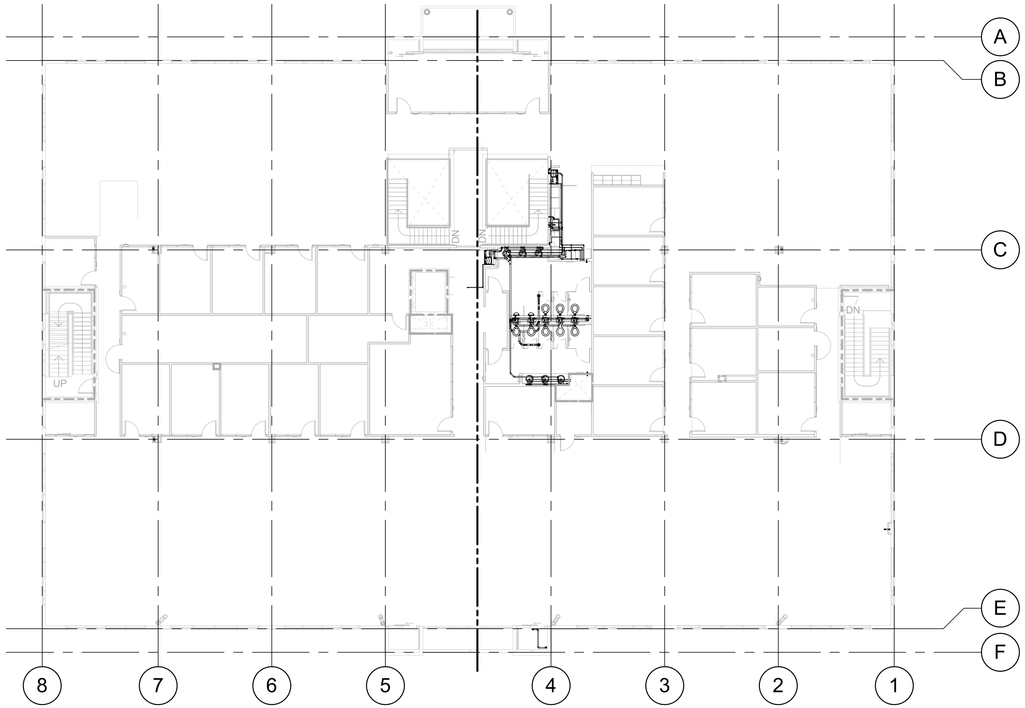
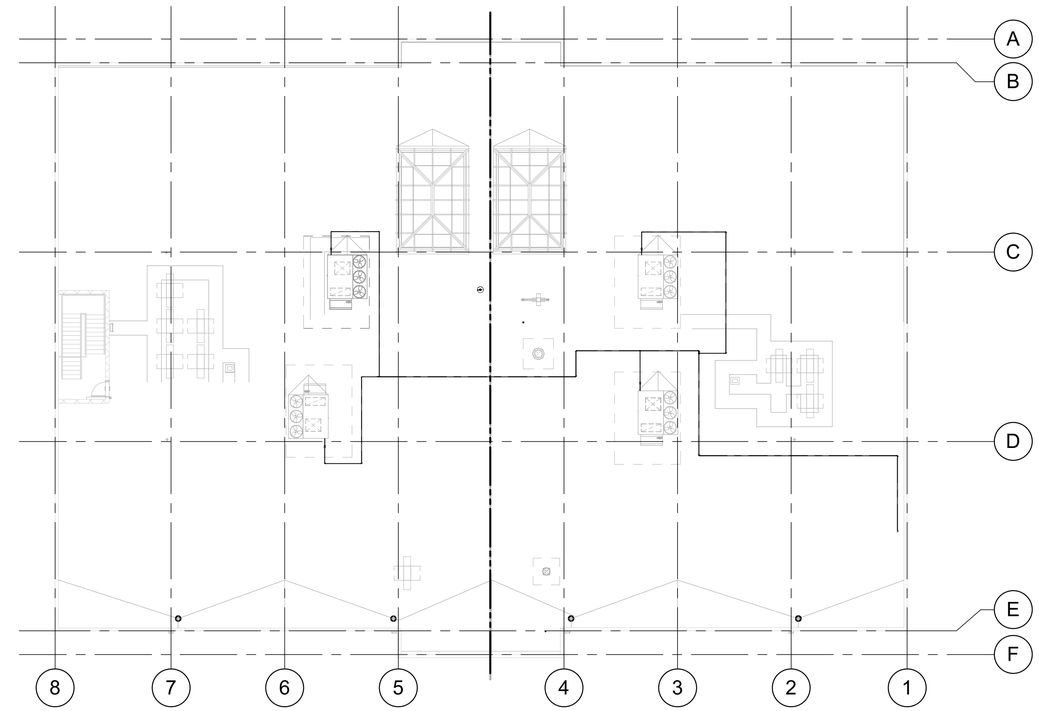
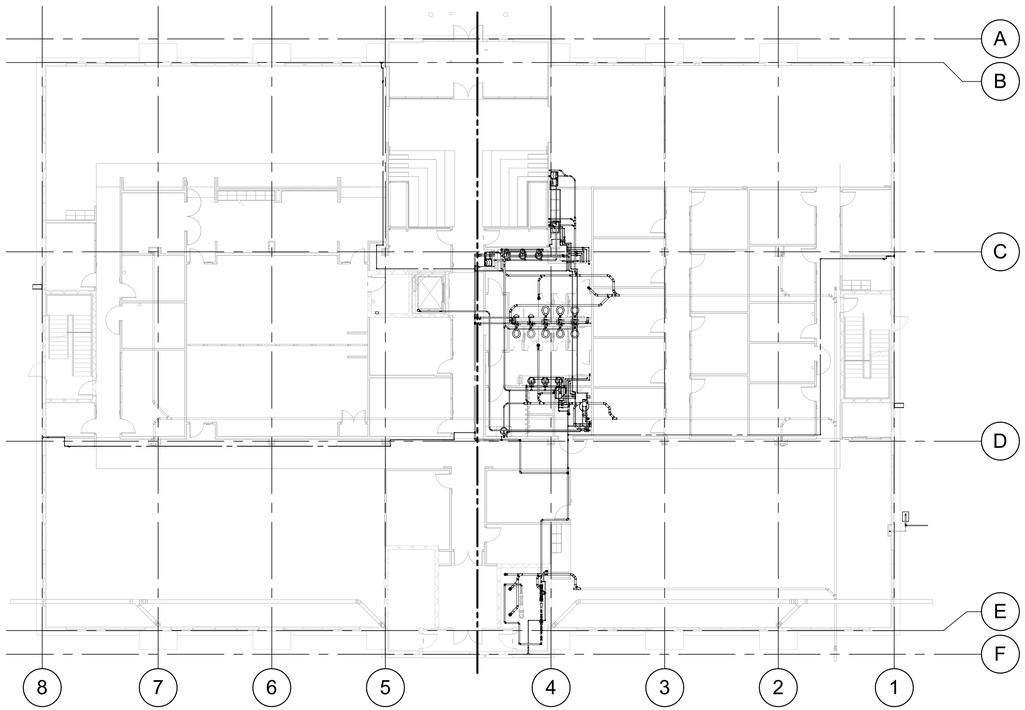


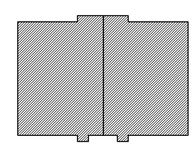
E8 P100 **OVERALL SECOND FLOOR PLUMBING**
1/16" = 1'-0"



D4 P100 **03 OVERALL ROOF PLUMBING**
1/16" = 1'-0"



A8 P100 **OVERALL FIRST FLOOR PLUMBING**
1/16" = 1'-0"



PARTS PLAN

16 0 16 32
Scale: 1/16 INCH = 1 FOOT

N
KEY NORTH

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

OVERALL PLUMBING FLOOR PLANS

WARRENTON — DCCA ADM — VA

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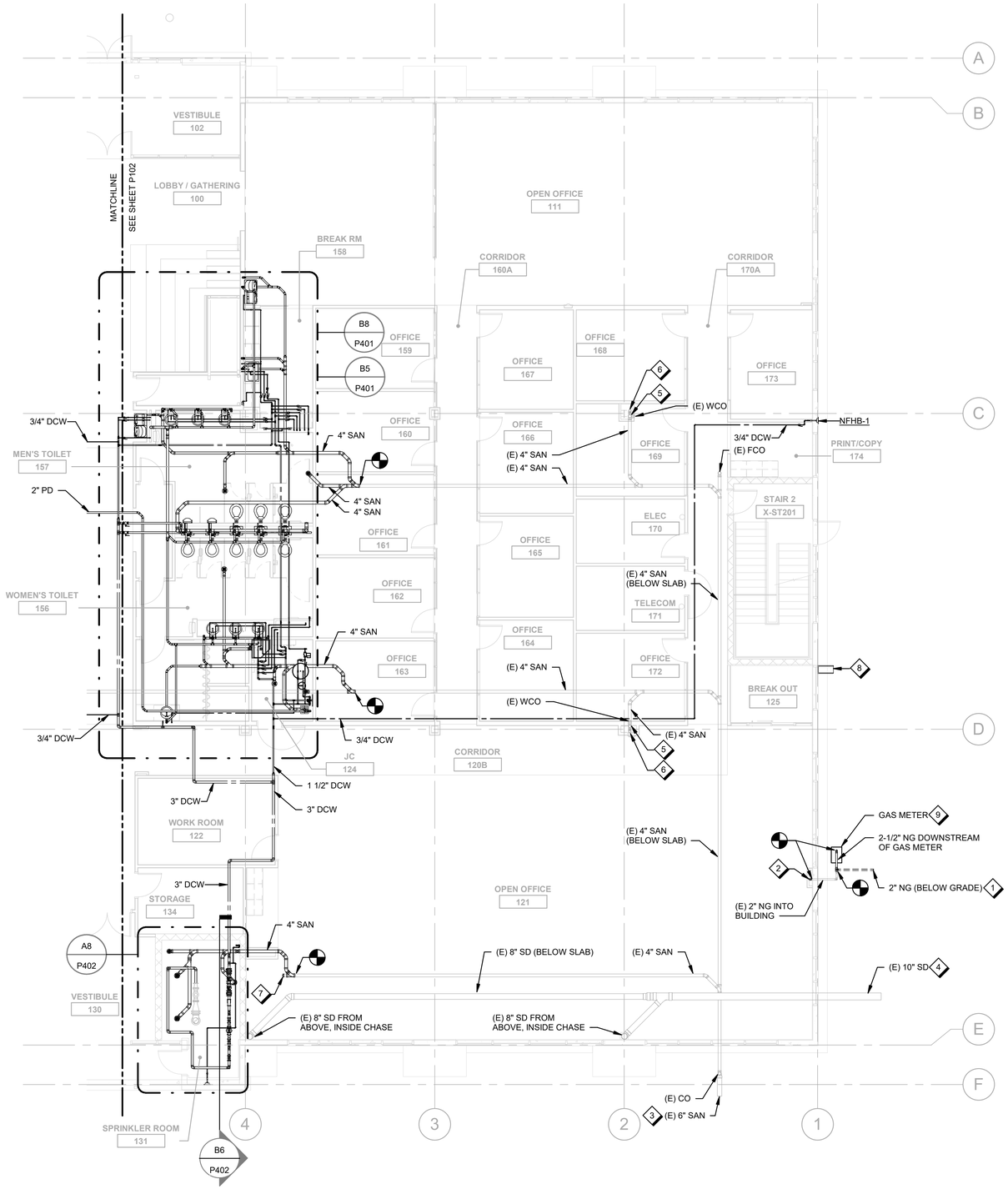
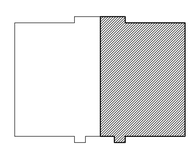


A8 PARTIAL PLUMBING FIRST FLOOR PLAN - PART 1

A8 / P101

1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO SHEET P001 FOR LEGEND AND GENERAL NOTES.

B. PROVIDE UL LISTED FIRE-STOPPING SYSTEMS AT PENETRATIONS THROUGH RATED PARTITIONS.

SHEET NOTES ◇

1 PROVIDE 2" NG BELOW GRADE TO GENERATOR G-1; REFER TO CIVIL FOR CONTINUATION OF PIPING TO GENERATOR. PROVIDE NATURAL GAS PRESSURE REGULATOR SET TO 7 - 11 IN. WC OUTLET PRESSURE AT GENERATOR PER DETAIL D3/P501. PROVIDE 3" NATURAL GAS PIPING DOWNSTREAM OF PRESSURE REGULATOR.

2 PROVIDE 2" NG UP TO SECOND FLOOR ROUTED TIGHT TO WALL INSIDE CHASE.

3 EXISTING 6" SANITARY TO MAIN SANITARY SEWER; REFER TO CIVIL FOR CONTINUATION. I.E.: 4'-6" BFF PER RECORD DRAWINGS.

4 EXISTING 10" STORM TO MAIN STORM SEWER; I.E.: 3'-0" BFF PER RECORD DRAWINGS.

5 EXISTING 4" SAN DN TO BELOW SLAB & UP TO SECOND FLOOR.

6 EXISTING 3" V UP THRU FLOOR ABOVE WITH STUB 12" BELOW CEILING CAPPED FOR FUTURE.

7 EXISTING 4" SAN CAPPED BELOW SLAB.

8 PROVIDE 1' x 2' CONCRETE SPLASH BLOCK TO SERVE MECHANICAL CONDENSATE DRAINAGE; COORDINATE EXACT LOCATION WITH MECHANICAL.

9 COORDINATE WITH LOCAL GAS UTILITY TO PROVIDE NEW GAS METER CAPABLE OF TOTAL GAS LOAD OF 5211 MBH AT 2PSI DELIVERY OR VERIFY THE EXISTING GAS METER IS CAPABLE OF NEW LOAD.

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WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PARTIAL PLUMBING FIRST FLOOR PLAN - PART 1

WARRENTON — DCCA ADM — VA

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DRAWN BY B. TANNER
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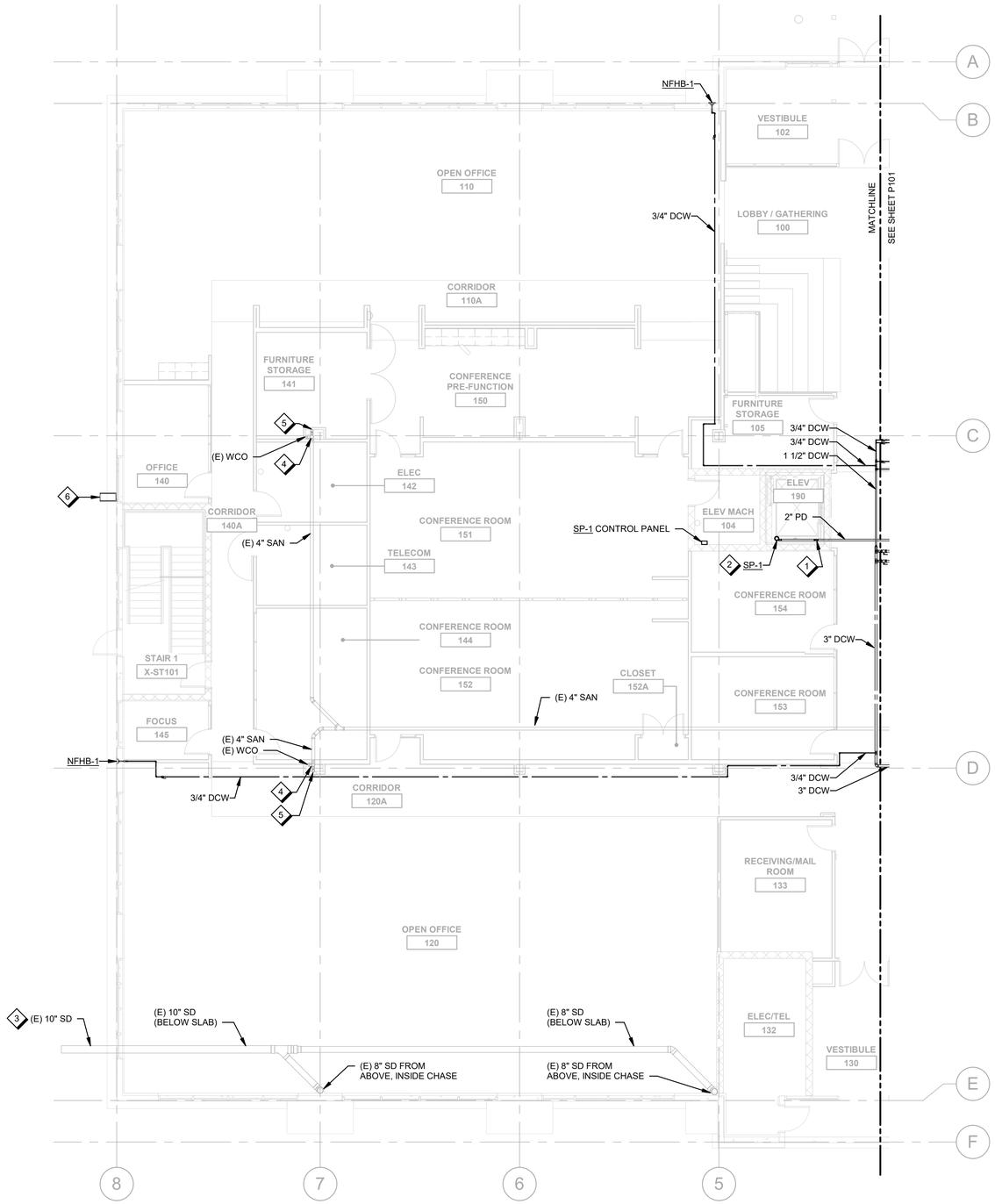

A8 / P102 PARTIAL FIRST FLOOR PLUMBING - PART 2

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO SHEET P001 FOR LEGEND AND GENERAL NOTES.

B. PROVIDE UL LISTED FIRE-STOPPING SYSTEMS AT PENETRATIONS THROUGH RATED PARTITIONS.

SHEET NOTES ◇

1 SP-1 DISCHARGE ROUTED UP TO CEILING; TERMINATE DISCHARGE WITH AN AIR GAP AT FS-1 IN JANITOR CLOSET.

2 PROVIDE INLINE CHECK VALVE AND SHUT OFF VALVE ON BOTH INDIVIDUAL PUMP DISCHARGES. REFER TO ELEVATOR SUMP PUMP DETAIL ON SHEET P502.

3 EXISTING 10" STORM TO MAIN STORM SEWER; I.E.: 3'-0" BFF PER RECORD DRAWINGS.

4 EXISTING 4" SAN DN TO BELOW SLAB & UP TO SECOND FLOOR.

5 EXISTING 3" V UP THRU FLOOR ABOVE WITH STUB 12" BELOW CEILING CAPPED FOR FUTURE.

6 PROVIDE 1' x 2' CONCRETE SPLASH BLOCK TO SERVE MECHANICAL CONDENSATE DRAINAGE; COORDINATE EXACT LOCATION WITH MECHANICAL.

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COMMONWEALTH OF VIRGINIA
NASRI SLEEM
Lic. No. 033845
03/11/2022
PROFESSIONAL ENGINEER

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

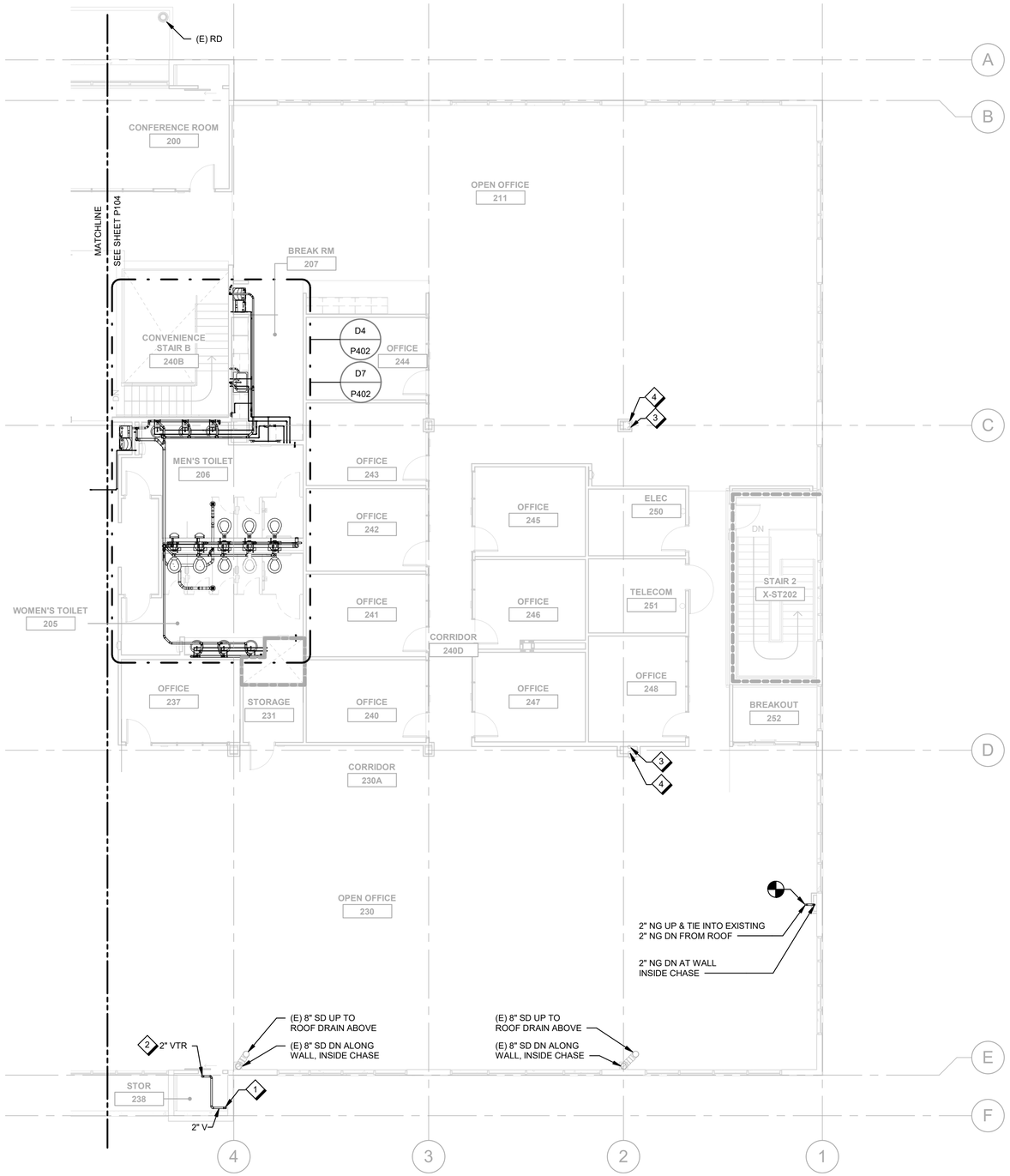
PARTIAL PLUMBING FIRST FLOOR PLAN - PART 2

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

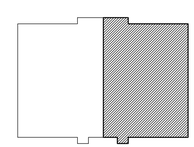
DESIGNED BY B. TANNER
DRAWN BY B. TANNER
CHECKED BY J. LEMENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - P102 REV.

PLOT DATE/TIME: 4/7/2022 5:22:11 PM



A8 / P103 PARTIAL SECOND FLOOR PLUMBING - PART 1

1/8" = 1'-0"



PARTS PLAN

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO SHEET P001 FOR LEGEND AND GENERAL NOTES.

B. PROVIDE UL LISTED FIRE-STOPPING SYSTEMS AT PENETRATIONS THROUGH RATED PARTITIONS.

SHEET NOTES ◇

1 2" V FROM BELOW.

2 2" VENT UP THROUGH ROOF AT EXISTING VENT ROOF PENETRATION.

3 EXISTING 4" SAN DN TO FLOOR BELOW AND 4" VENT UP THRU ROOF.

4 EXISTING 3" V DN TO FLOOR BELOW AND UP TO CEILING CONNECTED TO EXISTING 4" V AT 12' AFF.

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WARRENTON ADMINISTRATIVE BUILDING

PARTIAL PLUMBING SECOND FLOOR PLAN - PART 1

WARRENTON — DCCA ADM — VA

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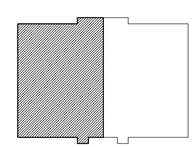
DESIGNED BY B. TANNER	ISSUED BY ENGINEERING SERVICES TERMINAL	DATE 03/11/2022	JCN: 21001763
DRAWN BY B. TANNER		DRAWING NO. DCCA - D - ADM - P103	REV.
CHECKED BY J. LEMENS			

PLOT DATE/TIME: 4/7/2022 5:22:17 PM



PARTS PLAN

A8 / P104 PARTIAL SECOND FLOOR PLUMBING - PART 2

1/8" = 1'-0"

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO SHEET P001 FOR LEGEND AND GENERAL NOTES.

B. PROVIDE UL LISTED FIRE-STOPPING SYSTEMS AT PENETRATIONS THROUGH RATED PARTITIONS.

SHEET NOTES ◇

1 3/4" DCW UP TO RH-1 ON ROOF.

2 EXISTING 4" SAN DN TO FLOOR BELOW AND 4" VENT UP THRU ROOF.

3 EXISTING 3" V DN TO FLOOR BELOW AND UP TO CEILING CONNECTED TO EXISTING 4" V AT 12' AFF.

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WARRENTON ADMINISTRATIVE BUILDING

PARTIAL PLUMBING SECOND FLOOR PLAN - PART 2

WARRENTON — DCCA ADM — VA

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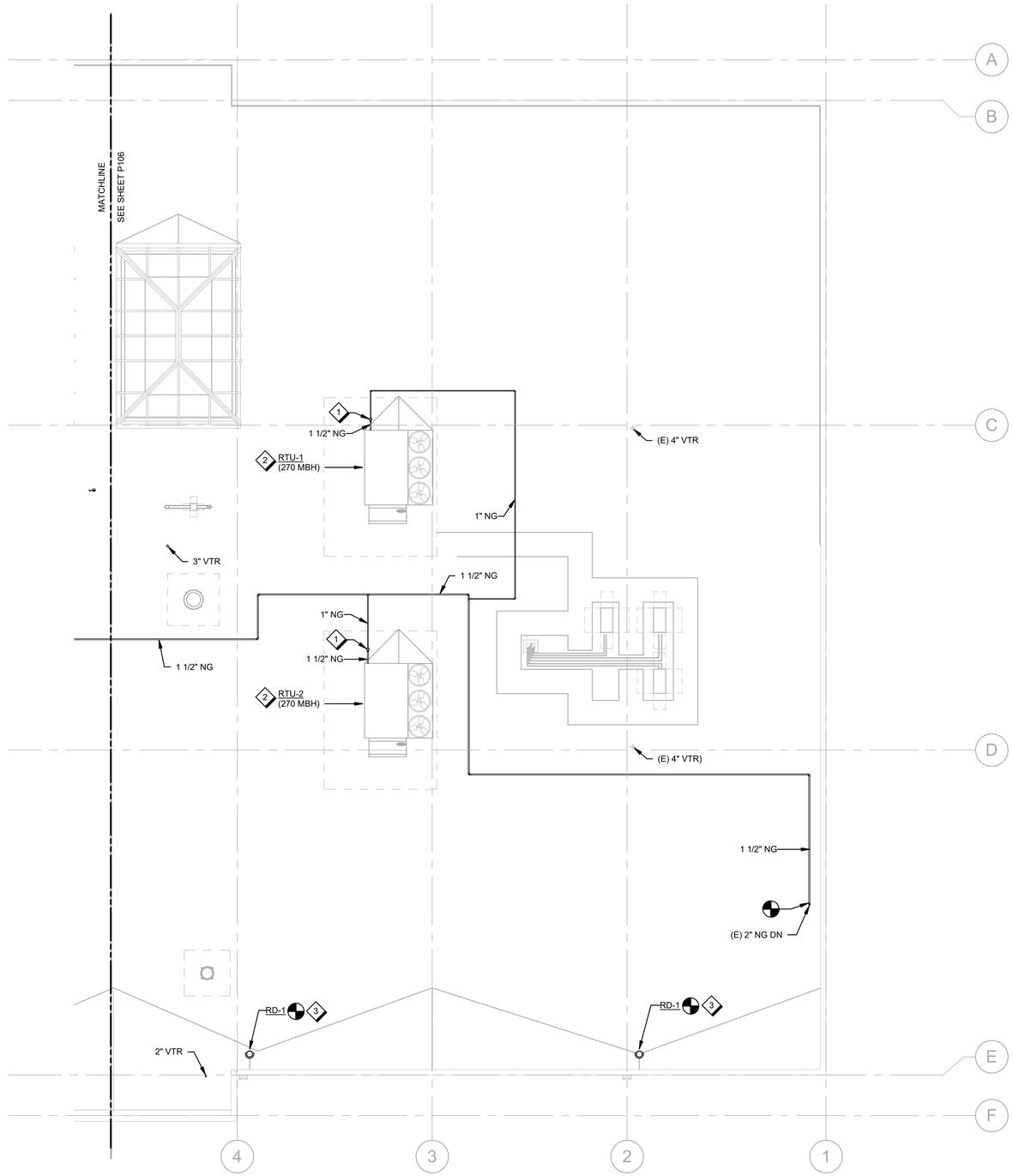
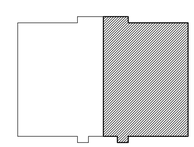


A8 / P105 PARTIAL ROOF PLUMBING - PART 1

1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO SHEET P001 FOR LEGEND AND GENERAL NOTES.

B. PROVIDE UL LISTED FIRE-STOPPING SYSTEMS AT PENETRATIONS THROUGH RATED PARTITIONS.

C. PROVIDE ROOF-MOUNTED PIPE SUPPORT SYSTEM FOR NATURAL GAS PIPING SPACED PER NFPA 54 TABLE 7.2.5.2.

SHEET NOTES ◇

1 GAS PRESSURE REGULATOR; 6 - 10.5 IN. WC OUTLET PRESSURE.

2 ROOFTOP UNIT, MECHANICAL EQUIPMENT; REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.

3 CONNECT ROOF DRAIN TO EXISTING STORM LEADER.

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WARRENTON ADMINISTRATIVE BUILDING

PARTIAL PLUMBING ROOF PLAN - PART 1

WARRENTON — DCCA ADM — VA

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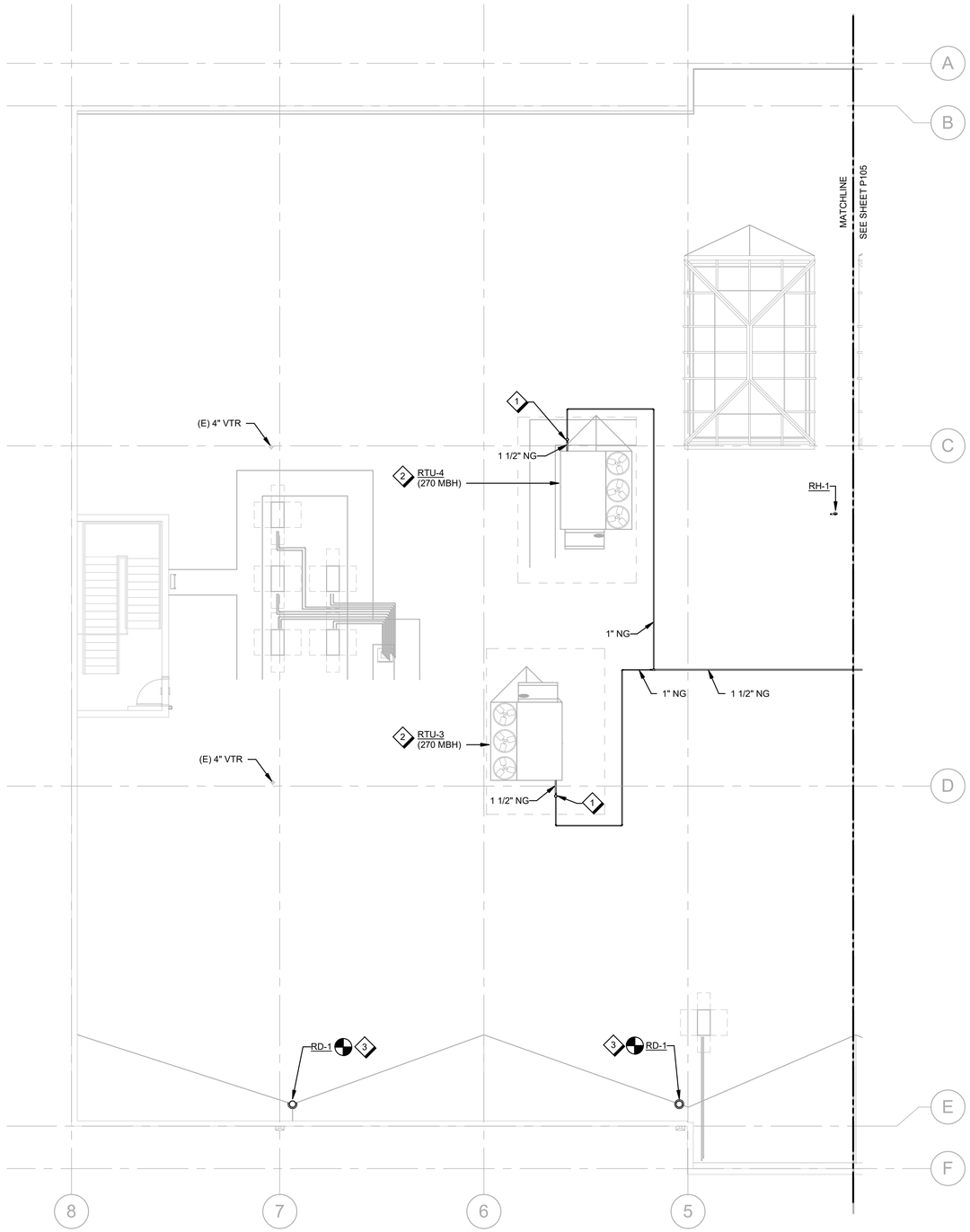
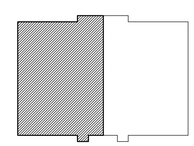


A8 PARTIAL ROOF PLUMBING - PART 2

P106

1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO SHEET P001 FOR LEGEND AND GENERAL NOTES.

B. PROVIDE UL LISTED FIRE-STOPPING SYSTEMS AT PENETRATIONS THROUGH RATED PARTITIONS.

C. PROVIDE ROOF-MOUNTED PIPE SUPPORT SYSTEM FOR NATURAL GAS PIPING SPACED PER NFPA 54 TABLE 7.2.5.2.

SHEET NOTES ◇

1 GAS PRESSURE REGULATOR; 6 - 10.5 IN. WC OUTLET PRESSURE.

2 ROOFTOP UNIT, MECHANICAL EQUIPMENT; REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.

3 CONNECT ROOF DRAIN TO EXISTING STORM LEADER.

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PARTIAL PLUMBING ROOF PLAN - PART 2

WARRENTON — DCCA ADM — VA

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DATE 03/11/2022 JCN: 21001763
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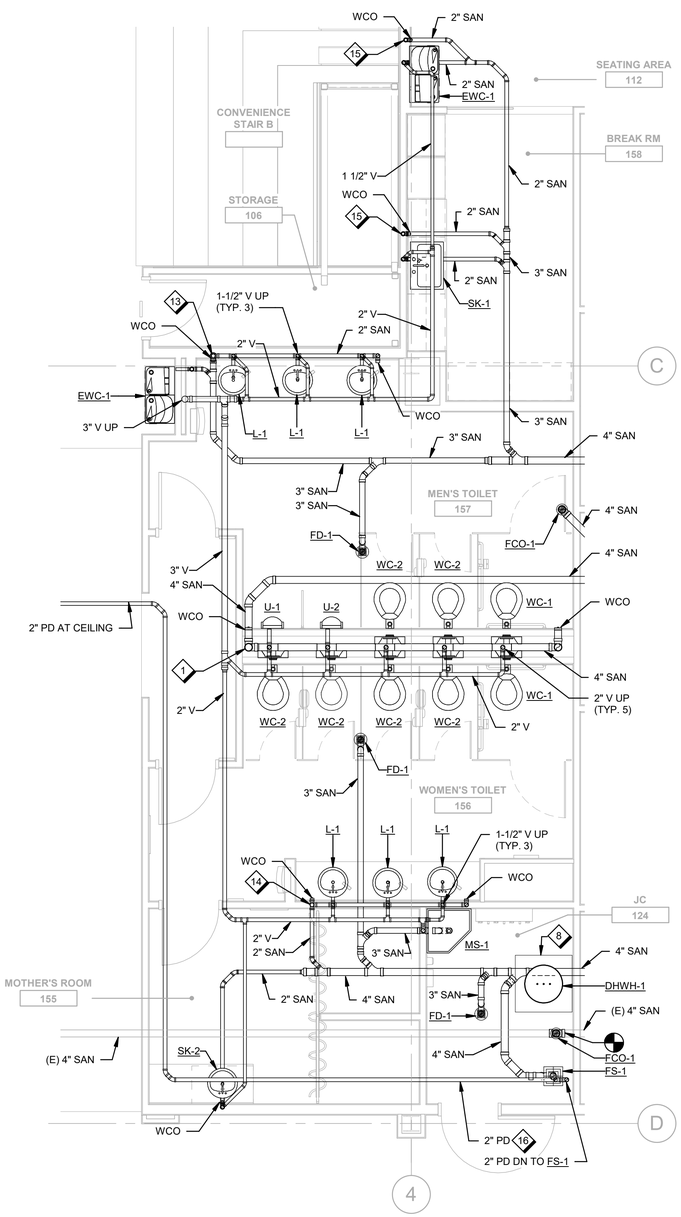
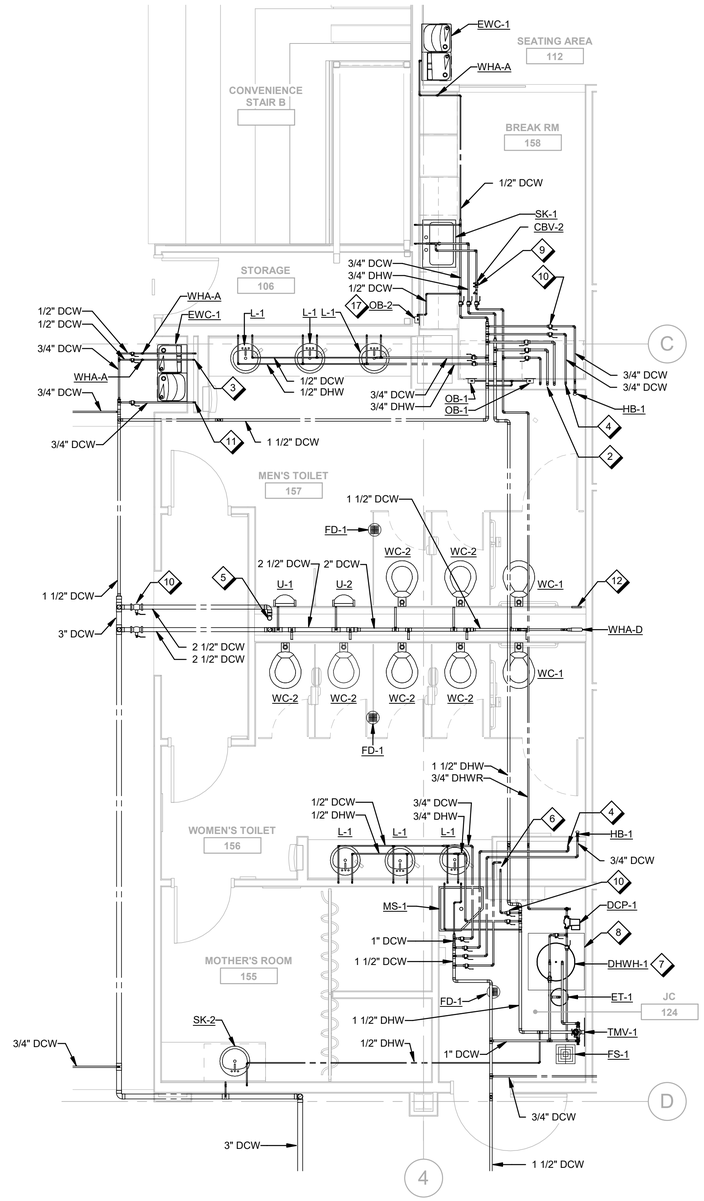
PLOT DATE/TIME: 4/7/2022 5:22:24 PM



B8 ENLARGED FIRST FLOOR PLAN - SANITARY & VENT

P401 1/4" = 1'-0"



B5 ENLARGED FIRST FLOOR PLAN - DOMESTIC WATER

P401 1/4" = 1'-0"

4 0 4 8

Scale: 1/4 INCH = 1 FOOT

N

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO SHEET P001 FOR LEGEND AND GENERAL NOTES.

B. PROVIDE UL LISTED FIRE-STOPPING SYSTEMS AT PENETRATIONS THROUGH RATED PARTITIONS.

SHEET NOTES ◇

1 4" SAN UP TO SECOND FLOOR & 4" SAN DOWN THROUGH SLAB.

2 1" DCW, 1" DHW & 3/4" DHWR UP TO SECOND FLOOR.

3 1/2" DCW UP TO SECOND FLOOR.

4 3/4" DCW UP TO SECOND FLOOR.

5 2-1/2" DCW UP TO SECOND FLOOR.

6 3/4" DCW & DHW UP TO SECOND FLOOR.

7 REFER TO ELECTRIC WATER HEATER DETAIL ON SHEET P-501 FOR DETAILED PIPING ARRANGEMENT.

8 6" HOUSEKEEPING PAD, EXTEND 6" FROM EQUIPMENT FOOTPRINT. REFER TO STRUCTURAL DRAWINGS FOR DETAILED DIMENSIONS AND SPECIFICATIONS.

9 PROVIDE BALANCING VALVE AND CHECK VALVE FOR RECIRCULATION BRANCH. SET BALANCING VALVE TO 0.5 GPM. FINALIZE BALANCING VALVE FLOW DURING TAB.

10 PROVIDE LINE SIZE ISOLATION VALVES ON BRANCH LINES (TYPICAL).

11 3/4" DCW UP TO SECOND FLOOR.

12 PROVIDE 6" x 6" WHITE POWDER COATED METAL ACCESS PANEL FOR WATER HAMMER ARRESTOR ACCESS.

13 2" SAN UP TO SECOND FLOOR & 3" SAN DOWN THROUGH SLAB.

14 2" SAN UP TO SECOND FLOOR & 2" SAN DOWN THROUGH SLAB.

15 1-1/2" SAN UP TO SECOND FLOOR & 2" SAN DOWN THROUGH SLAB.

16 2" SUMP PUMP DISCHARGE SLOPED AT 1/4" PER FOOT TOWARD DRAIN; TERMINATE WITH AIR GAP AT FLOOR SINK FS-1.

17 PROVIDE INDIVIDUAL ASSE 1022 DUAL CHECK VALVE ON SUPPLY TO OB-2 FOR COFFEE MAKER.

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PLUMBING ENLARGED PLANS

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY B. TANNER	ISSUED BY ENGINEERING SERVICES TERMINAL	DATE 03/11/2022	JCN: 21001763
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CHECKED BY J. LEMENS			

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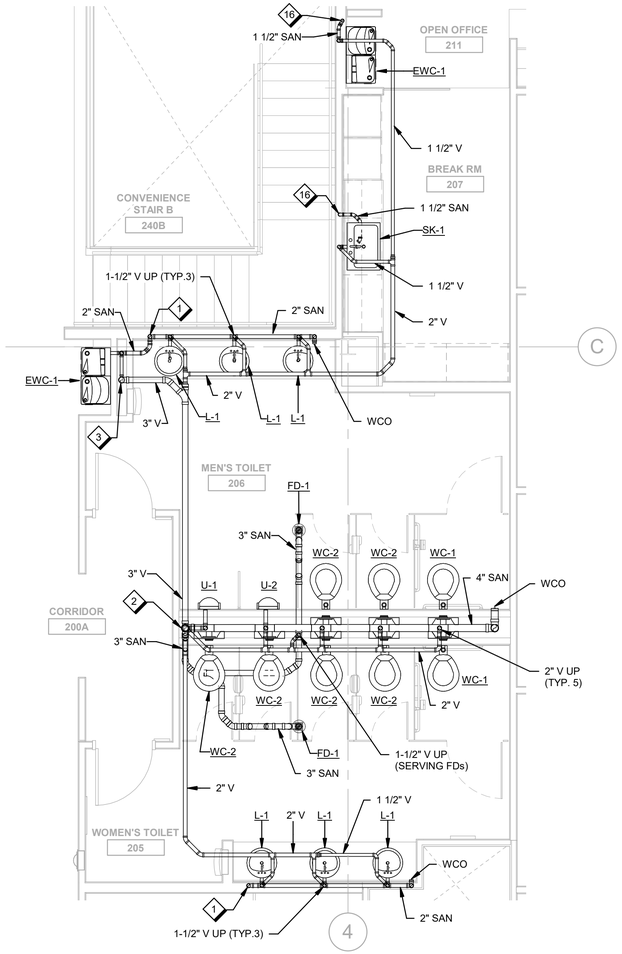
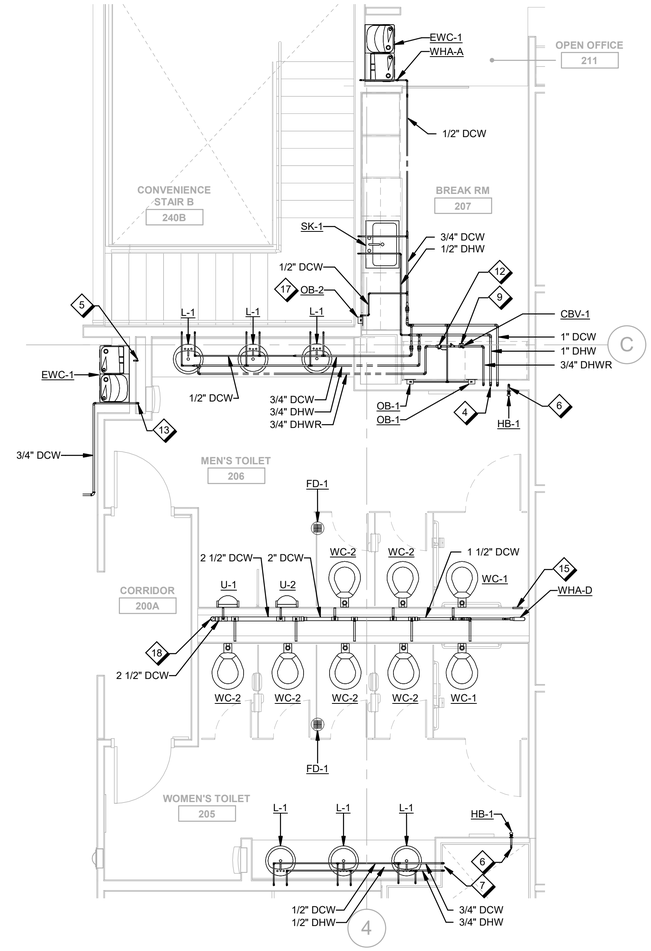


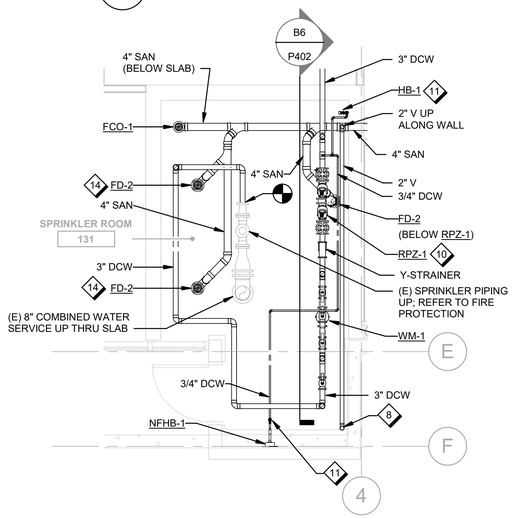
D7 / P402 ENLARGED SECOND FLOOR PLAN - SANITARY & VENT

1/4" = 1'-0"



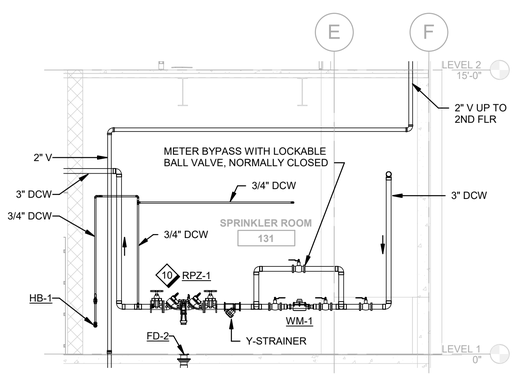
D4 / P402 ENLARGED SECOND FLOOR PLAN - DOMESTIC WATER

1/4" = 1'-0"



A8 / P402 ENLARGED SPRINKLER ROOM - PLUMBING

1/4" = 1'-0"



B6 / P402 SPRINKLER ROOM SECTION - EAST

1/4" = 1'-0"

Scale: 1/4 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO SHEET P001 FOR LEGEND AND GENERAL NOTES.

B. PROVIDE UL LISTED FIRE-STOPPING SYSTEMS AT PENETRATIONS THROUGH RATED PARTITIONS.

SHEET NOTES ◇

1 2" SAN DOWN TO FIRST FLOOR.

2 4" SAN DOWN TO FIRST FLOOR & 3" VENT UP THROUGH ROOF.

3 3" V FROM BELOW.

4 1" DCW, 1" DHW & 3/4" DHWR FROM BELOW.

5 1/2" DCW FROM BELOW.

6 3/4" DCW FROM BELOW.

7 3/4" DCW & DHW FROM BELOW.

8 2" V UP TO SECOND FLOOR.

9 PROVIDE BALANCING VALVE AND CHECK VALVE FOR RECIRCULATION BRANCH. SET BALANCING VALVE TO 0.5 GPM. FINALIZE BALANCING VALVE FLOW DURING TAB.

10 REFER TO WATER SERVICE ENTRANCE DETAIL ON SHEET P-501 FOR RPZ-1 PIPING SUPPORT LOCATIONS AND DETAILED PIPING ARRANGEMENT.

11 PROVIDE LINE SIZE S.O.V. IN VERTICAL.

12 PROVIDE LINE SIZE ISOLATION VALVES ON BRANCH LINES (TYPICAL).

13 3/4" DCW FROM BELOW.

14 COORDINATE FLOOR DRAIN LOCATION WITH EXISTING SPRINKLER PIPING & EQUIPMENT.

15 PROVIDE 6" x 6" WHITE POWDER COATED METAL ACCESS PANEL FOR WATER HAMMER ARRESTOR ACCESS.

16 1-1/2" SAN DOWN TO FIRST FLOOR.

17 PROVIDE INDIVIDUAL ASSE 1022 DUAL CHECK VALVE ON SUPPLY TO OB-2 FOR COFFEE MAKER.

18 2-1/2" DCW FROM BELOW.

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
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WARRENTON ADMINISTRATIVE BUILDING

PLUMBING ENLARGED PLANS

WARRENTON — DCCA ADM — VA

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	DESIGNED BY B. TANNER	ISSUED BY ENGINEERING SERVICES TERMINAL
	DRAWN BY B. TANNER	DATE 03/11/2022 — JCN: 21001763
	CHECKED BY J. LEMENS	DRAWING NO. DCCA - D - ADM - P402 — REV.

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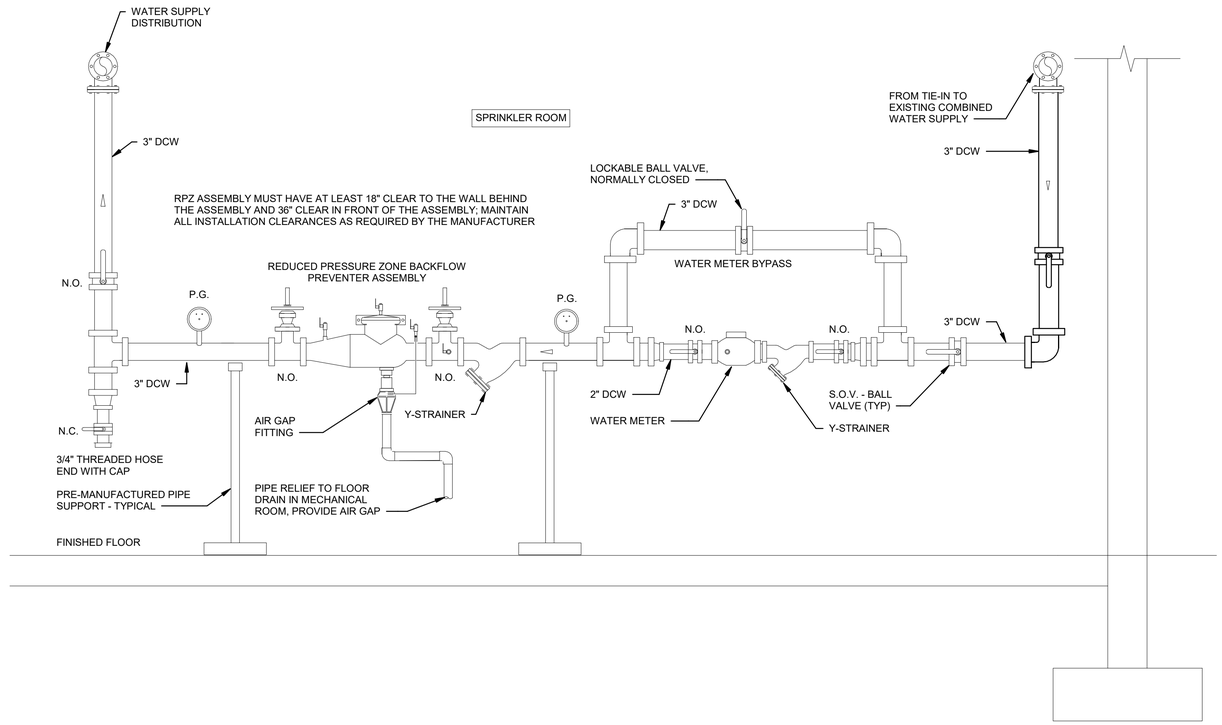
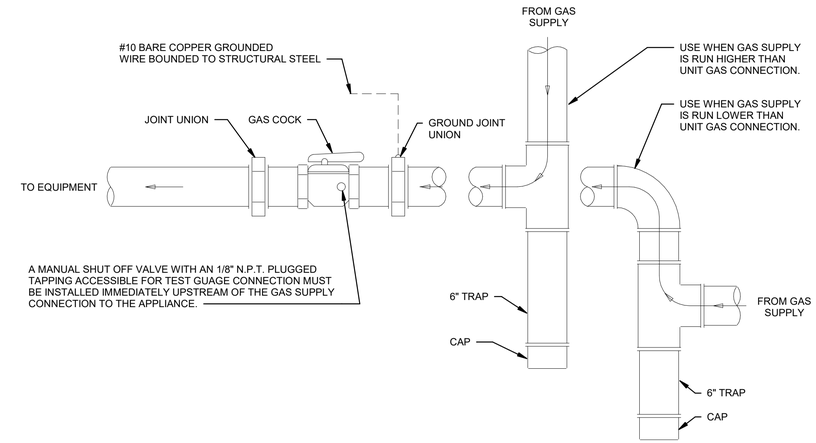


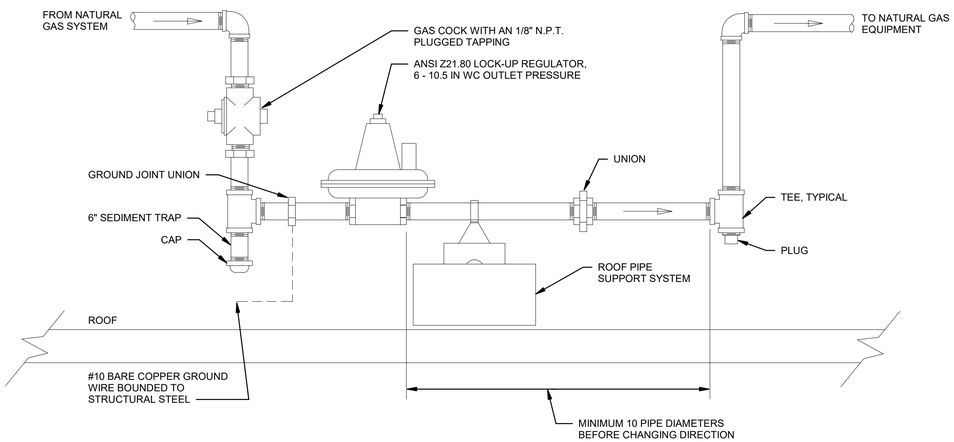
E8 / P501 WATER SERVICE ENTRANCE DETAIL

N.T.S.



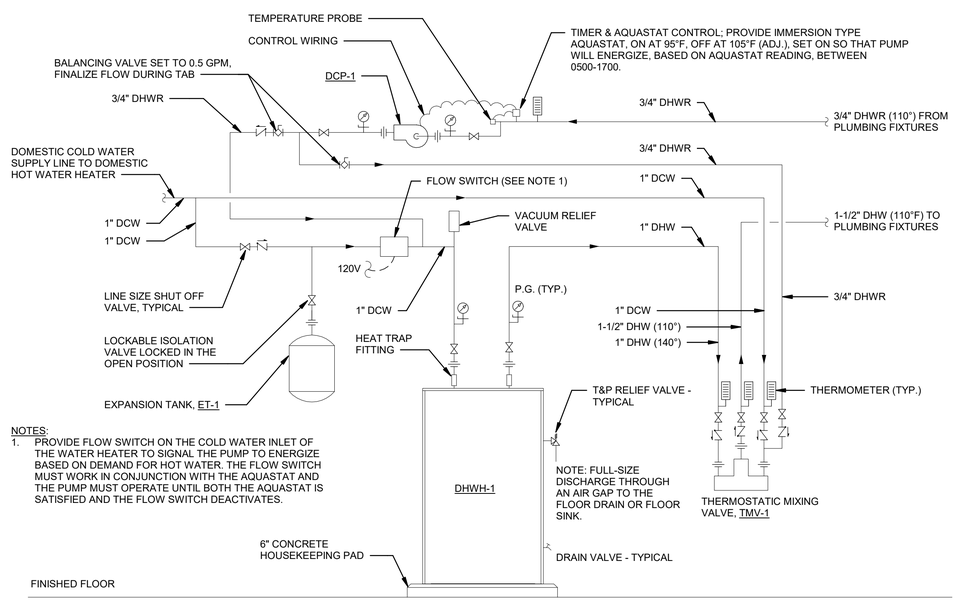
F3 / P501 GAS DRIP LEG DETAIL

N.T.S.



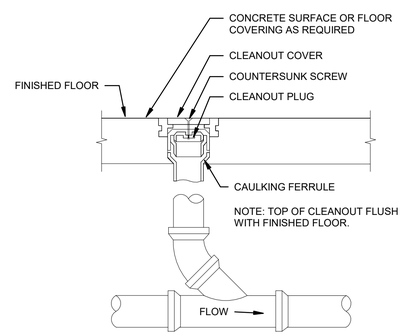
D3 / P501 NATURAL GAS PRESSURE REGULATOR PIPING DETAIL

N.T.S.



A8 / P501 ELECTRIC WATER HEATER DETAIL

N.T.S.



A4 / P501 FLOOR CLEANOUT DETAIL

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PLUMBING DETAILS

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DCCA ADM
WARRENTON, VA

DESIGNED BY B. TANNER
DRAWN BY B. TANNER
CHECKED BY J. LEMENS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN 21001763

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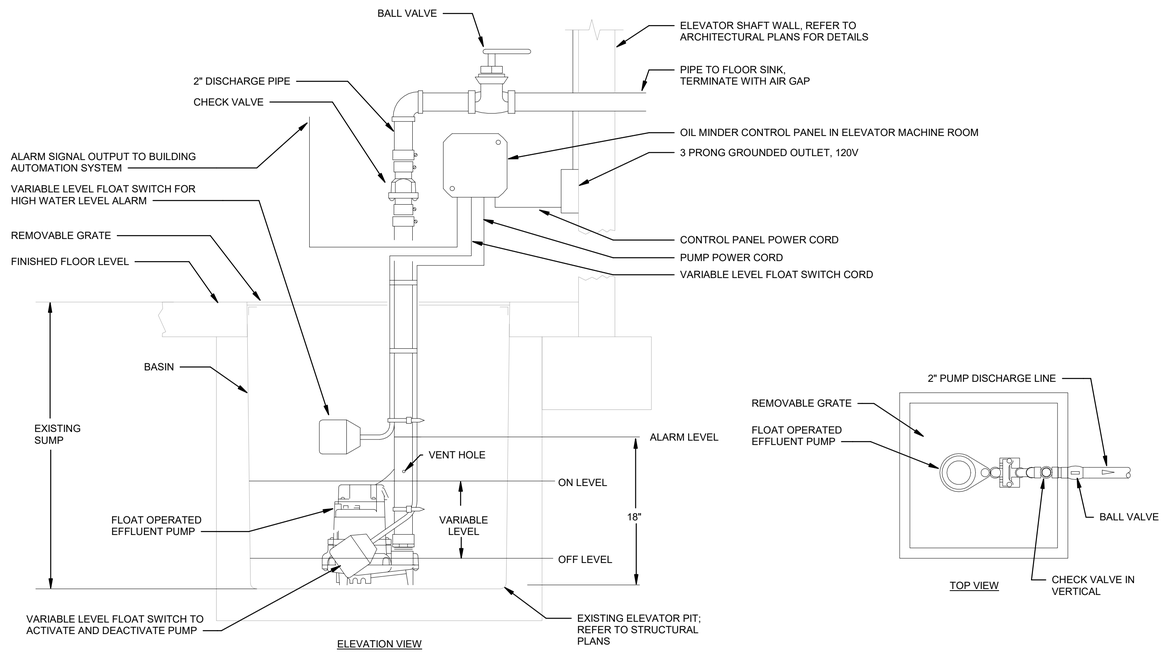
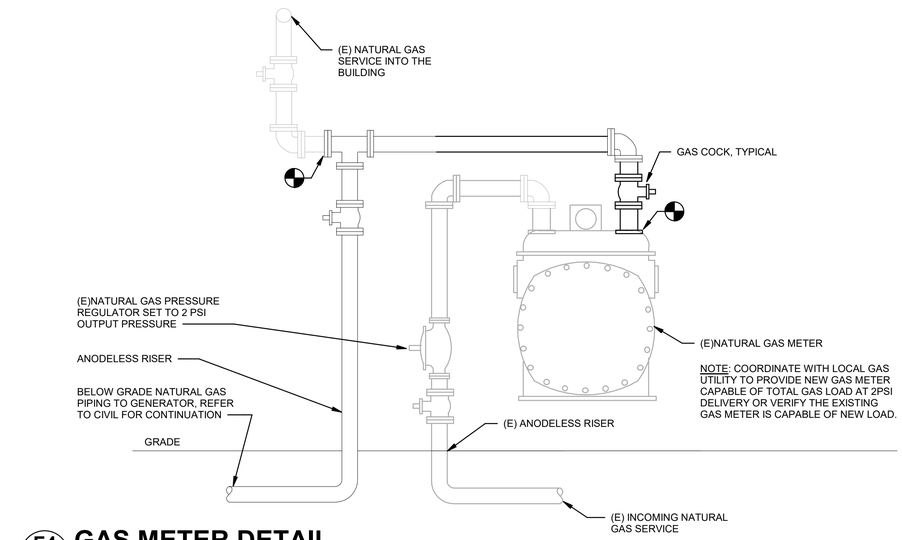


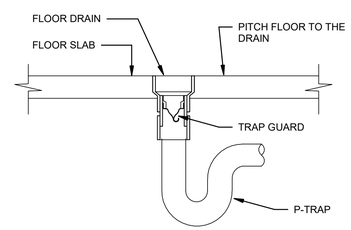
E8 / P502 ELEVATOR SUMP PUMP DETAIL

N.T.S.



F4 / P502 GAS METER DETAIL

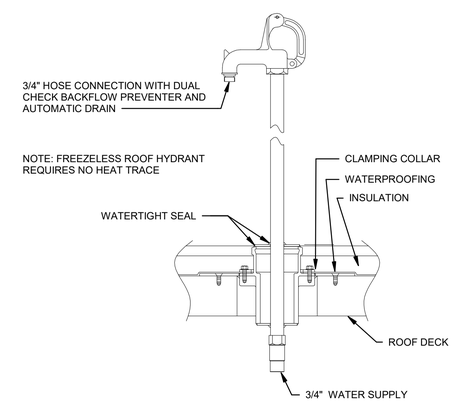
N.T.S.



NOTE: UNLESS OTHERWISE NOTED, PROVIDE EACH FLOOR DRAIN WITH A TRAP GUARD INSERT.

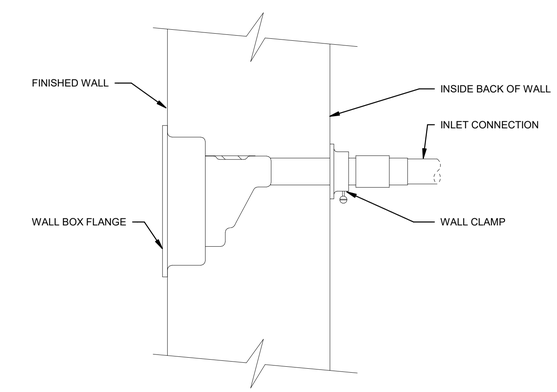
C6 / - FLOOR DRAIN DETAIL

N.T.S.



C4 / P502 ROOF HYDRANT DETAIL

N.T.S.



C2 / P502 FREEZE PROOF WALL HYDRANT DETAIL

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COMMONWEALTH OF VIRGINIA
NASRI SLEEM
Lic. No. 033845
03/11/2022
PROFESSIONAL ENGINEER

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DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PLUMBING DETAILS

WARRENTON — DCCA ADM — VA

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DESIGNED BY B. TANNER
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CHECKED BY J. LEMENS

ISSUED BY: ENGINEERING SERVICES TERMINAL

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PLUMBING FIXTURE SCHEDULE

TAG	ITEM	CONNECTION SIZE (IN.)				WSFU	DFU	REMARKS
		WASTE	VENT	DCW	DHW			
EWC-1	ACCESSIBLE WATER COOLER WITH BOTTLE FILLER	1-1/2"	1-1/4"	1/2"	-	0.25	0.5	REFRIGERATED ABA COMPLIANT HIGH/LOW WATER COOLER WITH BOTTLE FILLER AND 8 GPH CHILLER, 115V/60HZ POWER
FCO-1	FLOOR CLEANOUT	SEE PLAN	-	-	-	-	-	MEDIUM DUTY EPOXY COATED CAST IRON FLOOR CLEANOUT, NICKEL BRONZE TOP, BRASS PLUG
FD-1	FLOOR DRAIN	3"	-	-	-	-	2	EPOXY COATED CAST IRON FLOOR DRAIN WITH VANDAL PROOF NICKEL BRONZE STRAINER. PROVIDE WITH ASSE 1072 TRAP GUARD
FD-2	FLOOR DRAIN	4"	-	-	-	-	2	HEAVY DUTY EPOXY COATED CAST IRON FLOOR DRAIN WITH VANDAL PROOF NICKEL BRONZE STRAINER. PROVIDE WITH ASSE 1072 TRAP GUARD
FS-1	FLOOR SINK	4"	-	-	-	-	2	EPOXY COATED CAST IRON FLOOR SINK WITH HALF GRATE AND SEDIMENT BUCKET. PROVIDE WITH ASSE 1072 TRAP GUARD
HB-1	HOSE BIBB	-	-	3/4"	-	-	-	MODERATE CLIMATE, INTEGRAL BACKFLOW PREVENTER, EXPOSED WITH LOCKING STEM AND KEY
L-1	LAVATORY, COUNTER-MOUNT	1-1/2"	1-1/4"	1/2"	1/2"	2	1	ACCESSIBLE, VITREOUS CHINA, COUNTER- MOUNTED, FRONT OVERFLOW, BATTERY-POWERED SENSOR OPERATED FAUCET WITH VANDAL-RESISTANT 0.5 GPM FLOW CONTROL. PROVIDE WITH ASSE 1070 THERMOSTATIC MIXING VALVE W/ 1/2" MALE NPT CONNECTION
MS-1	MOP SINK	3"	1-1/2"	1/2"	1/2"	3	2	PRECAST TERRAZZO, 12" HIGH 2" WIDE WALLS WITH 6" DROP FRONT. STAINLESS STEEL DRAIN BODY, COMBINATION STAINLESS STEEL DOME STRAINER WITH LINT BASKET. PROVIDE DEEP SEAL P-TRAP, DUAL HANDLE 2.2 GPM WALL-MOUNT FAUCET WITH HOSE & INTEGRAL INLET CHECK VALVES. PROVIDE INDIVIDUAL CHECK VALVES ON THE COLD AND HOT WATER SUPPLY PIPING TO THE FAUCET
NFHB-1	NON-FREEZE HOSE BIBB	-	-	3/4"	-	-	-	FREEZE-PROOF WALL HYDRANT, INTEGRAL VACUUM BREAKER, RECESSED BOX, LOCKING COVER AND KEY
OB-1	ICE MAKER OUTLET BOX	-	-	1/2"	-	-	-	RECESSED WHITE POWDER COATED ICE MAKER OUTLET BOX WITH BRASS-PLATED, QUARTER TURN WATER HAMMER ARRESTOR VALVE MEETING LEAD-FREE REQUIREMENTS; PROVIDE 1/2" FLEXIBLE BRAIDED STAINLESS STEEL LINE ON FINAL CONNECTION TO APPLIANCE.
OB-2	COFFEE MAKER OUTLET BOX	-	-	1/2"	-	-	-	RECESSED WHITE POWDER COATED ICE MAKER OUTLET BOX WITH BRASS-PLATED, QUARTER TURN WATER HAMMER ARRESTOR VALVE MEETING LEAD-FREE REQUIREMENTS; PROVIDE 1/2" FLEXIBLE BRAIDED STAINLESS STEEL LINE ON FINAL CONNECTION TO APPLIANCE.
RD-1	ROOF DRAIN	8"	-	-	-	-	-	15-INCH DIAMETER ROOF DRAIN, DURA-COATED CAST IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARDS, DOUBLE TOP-SET DECK PLATE AND LOW SILHOUETTE CAST IRON DOME
RH-1	FREEZE-PROOF ROOF HYDRANT	-	-	3/4"	-	-	-	ASSE 1057 RESISTANT ROOF HYDRANT WITH INTEGRAL ASSE 1052 DUAL CHECK VALVE
SK-1	BREAK ROOM SINK	1-1/2"	1-1/2"	1/2"	1/2"	1.4	2	COUNTED-MOUNTED STAINLESS STEEL SINGLE BOWL SINK WITH PULL-OUT SPRAY LEVER HANDLE, 1.5 GPM AERATOR, ABA COMPLIANT; PROVIDE WITH GARBAGE DISPOSAL OUTLET.
SK-2	MOTHER'S ROOM SINK	1-1/2"	1-1/2"	1/2"	1/2"	1.4	2	COUNTED-MOUNTED STAINLESS STEEL SINGLE BOWL SINK WITH SINGLE LEVER HANDLE FAUCET, 1.5 GPM AERATOR, ABA COMPLIANT
TMV-1	THERMOSTATIC MIXING VALVE	-	-	1"	1"	-	-	THERMOSTATIC WATER MIXING VALVE, ADJUSTABLE HIGH TEMPERATURE LIMIT STOP, INLET CHECKSTOPS, OUTLET BALL VALVE, 0.5 GPM MINIMUM FLOW CAPABILITY, 10 PSI PRESSURE DROP AT 40 GPM
U-1	ACCESSIBLE URINAL, WALL MOUNT	2"	2"	3/4"	-	5	2	ACCESSIBLE, VITREOUS CHINA, 0.125 GPF BATTERY POWERED SENSOR OPERATED FLUSH VALVE
U-2	URINAL, WALL MOUNT	2"	2"	3/4"	-	5	2	VITREOUS CHINA, 0.125 GPF BATTERY POWERED SENSOR OPERATED FLUSH VALVE
WC-1	ACCESSIBLE WATER CLOSET, WALL MOUNT	4"	2"	1"	-	10	4	ACCESSIBLE, VITREOUS CHINA, WALL MOUNT, ELONGATED BOWL, OPEN FRONT SEAT, LESS COVER, 1.28 GPF BATTERY-POWERED SENSOR OPERATED FLUSH
WC-2	WATER CLOSET, WALL MOUNT	4"	2"	1"	-	10	4	VITREOUS CHINA, WALL MOUNT, ELONGATED BOWL, OPEN FRONT SEAT, LESS COVER, 1.28 GPF BATTERY-POWERED SENSOR OPERATED FLUSH VALVE

WATER METER SCHEDULE

TAG	LOCATION	TYPE	REGISTER TYPE	INLET/OUTLET (IN.)	FLOW RANGE MIN/MAX (GPM)	NOTES
WM-1	SPRINKLER ROOM 131	NUTATING DISC, POSITIVE DISPLACEMENT	MAGNETIC DRIVE	2"	2.5 / 170	1, 2 & 3

NOTES:
1. PROVIDE WATER METER ENCODER WITH 3-WIRE PULSE OUTPUT CONNECTION TO BAS.
2. PROVIDE USER-PROGRAMMABLE REMOTE MOUNTED DISPLAY PANEL MONITORING CURRENT AND TOTAL WATER FLOW RATE.
3. PRESSURE DROP ACROSS WATER METER MUST BE 6 PSI OR LESS AT THE DESIGN FLOW RATE OF 110 GPM.

WATER HAMMER ARRESTOR SCHEDULE

TAG	FIXTURE UNITS	PIPE SIZE (IN.)	NOTES
WHA-A	1 - 11	1/2"	1, 2 & 3
WHA-D	61 - 113	1"	1, 2 & 3

NOTES:
1. PROVIDE PISTON OPERATED, COPPER BODY, LEAD FREE WATER HAMMER ARRESTOR.
2. WATER HAMMER ARRESTOR SIZING MUST BE BASED ON SPECIFIC MANUFACTURER'S FIXTURE UNIT CAPACITY TABLE.
3. WATER HAMMER ARRESTORS MUST BE CERTIFIED BY THE PLUMBING AND DRAINAGE INSTITUTE

BACKFLOW PREVENTER SCHEDULE

TAG	LOCATION	CROSS CONNECTION	TYPE	INLET/OUTLET (IN.)	NOTES
RPZ-1	SPRINKLER ROOM 131	DOMESTIC WATER	REDUCED PRESSURE ZONE	3"	1, 2 & 3

NOTES:
1. PROVIDE LEAD FREE ASSE 1013 REDUCED PRESSURE ZONE BACKFLOW PREVENTER WITH INLET STRAINER.
2. ROUTE RELIEF DRAIN THROUGH AIR GAP TO FLOOR DRAIN.
3. PRESSURE DROP ACROSS BACKFLOW PREVENTER MUST BE 8 PSI OR LESS AT THE DESIGN FLOW RATE OF 110 GPM.

GAS EQUIPMENT SCHEDULE

TAG	GAS EQUIPMENT	NATURAL GAS INPUT (MBH)	GAS PRESSURE (IN WC)		NOTES
			MIN	MAX	
G-1	STANDBY GENERATOR	4131	7	11	1 & 3
RTU-1	ROOFTOP UNIT	270	6	10.5	2 & 3
RTU-2	ROOFTOP UNIT	270	6	10.5	2 & 3
RTU-3	ROOFTOP UNIT	270	6	10.5	2 & 3
RTU-4	ROOFTOP UNIT	270	6	10.5	2 & 3

NOTES:
1. ELECTRICAL EQUIPMENT; SEE ELECTRICAL DRAWINGS FOR DETAILS.
2. MECHANICAL EQUIPMENT; SEE MECHANICAL DRAWINGS FOR DETAILS.
3. CONFIRM REQUIRED INLET GAS PRESSURE AND PROVIDE GAS PRESSURE REGULATOR TO DECREASE PRESSURE TO EQUIPMENT-REQUIRED LEVELS. PROVIDE GAS PRESSURE REGULATOR PER MANUFACTURER'S INSTALLATION GUIDELINES.

DOMESTIC ELECTRIC WATER HEATER SCHEDULE

TAG	LOCATION	SERVICE	TYPE	RECOVERY (GPH)	TEMP RISE (°F)	TEMP SETPOINT (°F)	CAPACITY (GAL)	ELECTRICAL DATA					NOTES
								TOTAL KW	NUMBER OF ELEMENTS	VOLTAGE	FLA	PHASE	
DHWH-1	JANITOR CLOSET 123	HOT WATER	ELECTRIC, STORAGE	36	100	140	80	9	2	480 V	18.75	1	1, 2 & 3

NOTES:
1. SET STORAGE TEMPERATURE TO 140°F AND PROVIDE WITH ASSE 1017 THERMOSTATIC MASTER MIXING VALVE SET TO 110°F.
2. KW INDICATED IS THE TOTAL OF TWO 4.5 KW ELEMENTS OPERATING SIMULTANEOUSLY.
3. PROVIDE THERMAL EXPANSION TANK; REFER TO EXPANSION TANK SCHEDULE.

PUMP SCHEDULE

TAG	LOCATION	TYPE	FLUID TYPE	FLOW (GPM)	PUMP HEAD (FT H20)	ELECTRICAL DATA				NOTES
						MOTOR HP	VOLTAGE	PHASE	RPM	
DCP-1	JANITOR CLOSET 123	DOMESTIC HOT WATER CIRCULATING PUMP	110F HOT WATER	2	20	0.09	115 V	1	3600	1 & 2
SP-1	ELEVATOR PIT	SIMPLEX ELEVATOR SUMP PUMP	SEEPAGE	50	20	0.5	115 V	1	3600	3

NOTES:
1. PROVIDE LEAD FREE STAINLESS STEEL BODY WITH STAINLESS STEEL IMPELLER.
2. PROVIDE IMMERSION AQUASTAT WITH PROGRAMMABLE TIMER.
3. PROVIDE PACKAGED SIMPLEX ELEVATOR SUMP PUMP AND CONTROL SYSTEM WITH OIL DETECTION; PUMP SYSTEM MUST BE CAPABLE OF PUMPING DISCHARGE WATER WITHOUT THE POTENTIAL OF DISCHARGING AN OIL-WATER MIXTURE. LOCATE CONTROL PANEL INSIDE ELEVATOR MACHINE ROOM. PROVIDE DRY CONTACT CONNECTION FOR REMOTE MONITORING OF HIGH LEVEL ALARM TO BAS.

EXPANSION TANK (DIAPHRAGM TYPE) SCHEDULE

TAG	LOCATION	SERVICE	TYPE	FLUID	ACCEPTANCE VOLUME (GAL)	SIZE VOLUME (GAL)	FILL PRESSURE (PSIG)	RELIEF VALVE SETTING (PSIG)	NOTES
ET-1	JANITOR CLOSET 123	DHW SYSTEM	DIAPHRAGM	WATER	3.2	6.4	60	150	1, 2 & 3

NOTES:
1. PROVIDE ASME VERTICAL EXPANSION TANK WITH HEAVY DUTY BUTYL DIAPHRAGM, STEEL CONSTRUCTION.
2. PROVIDE LINE SIZE ISOLATION BALL VALVES ON CONNECTION.
3. EXPANSION TANK CANNOT BE SUSPENDED FROM THE PIPING SYSTEM; IT MUST BE SUPPORTED FROM THE STRUCTURE OF THE BUILDING.

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COMMONWEALTH OF VIRGINIA
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03/11/2022
PROFESSIONAL ENGINEER

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PLUMBING SCHEDULES

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

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DRAWN BY B. TANNER
CHECKED BY J. LEMENS
ISSUED BY ENGINEERING SERVICES TERMINAL
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WARRENTON, VA

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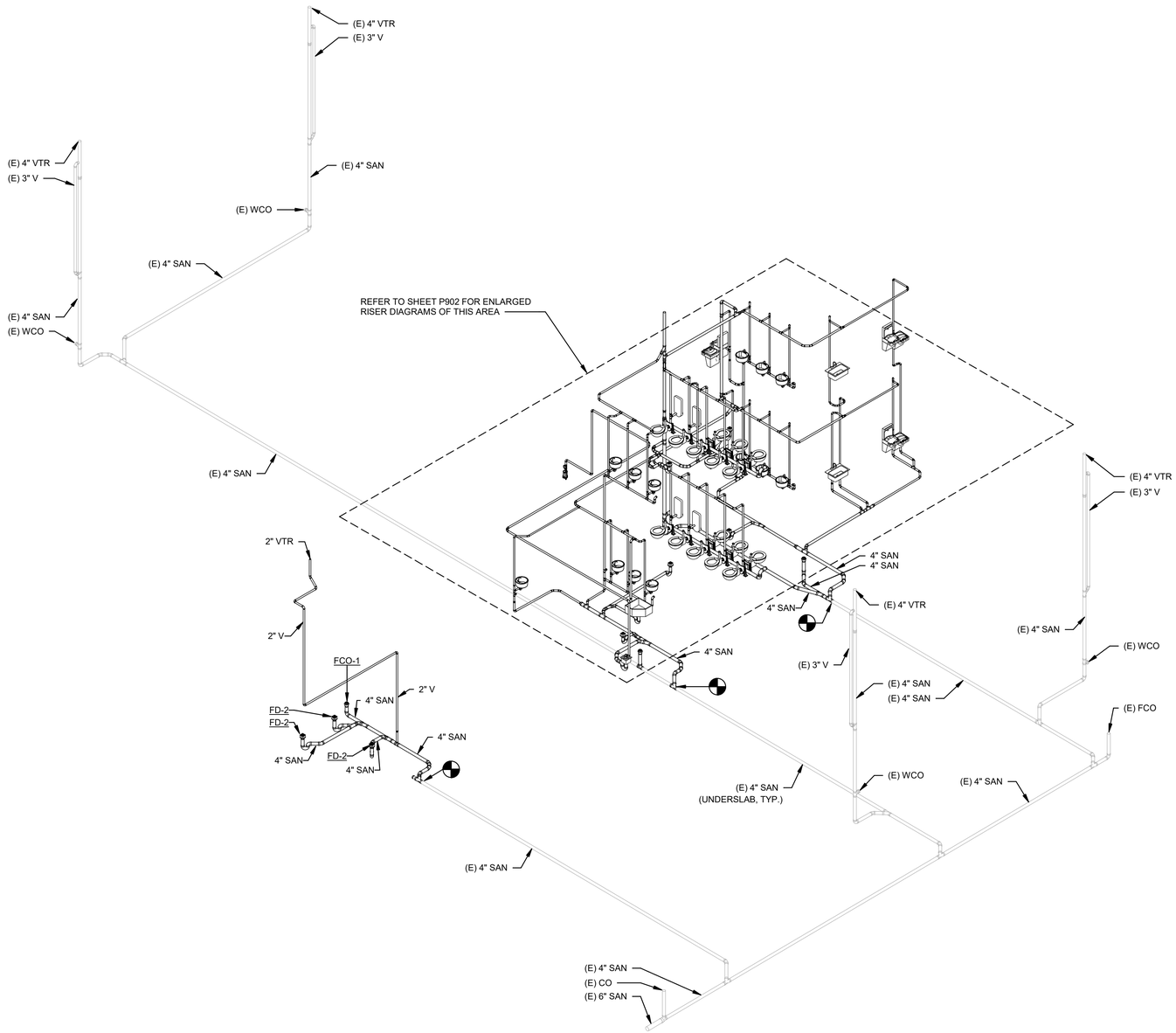

C8
P901

RISER DIAGRAMS - SANITARY & VENT - OVERALL

GENERAL SHEET NOTES

A. REFER TO SHEET P001 FOR LEGEND AND GENERAL NOTES.

B. PROVIDE UL LISTED FIRE-STOPPING SYSTEMS AT PENETRATIONS THROUGH RATED PARTITIONS.

SHEET NOTES ◇

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WARRENTON ADMINISTRATIVE BUILDING

PLUMBING RISER DIAGRAMS - SANITARY & VENT

WARRENTON — DCCA ADM — VA

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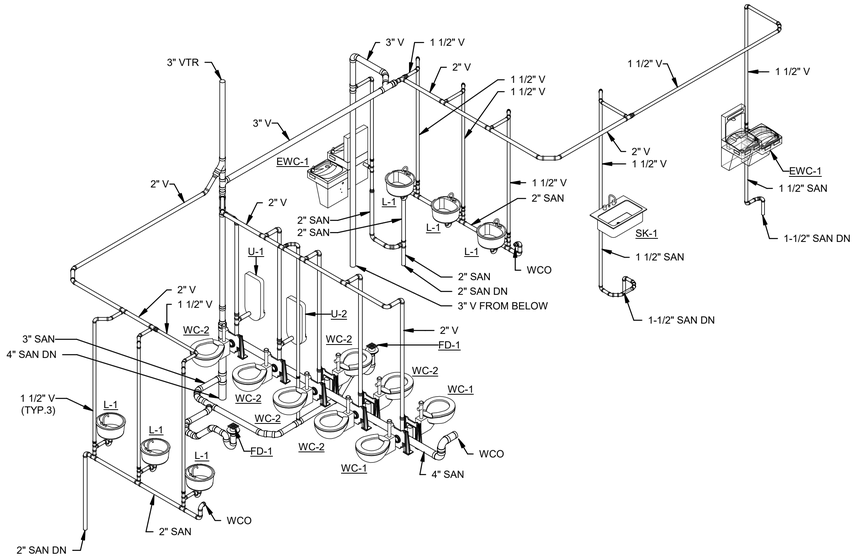
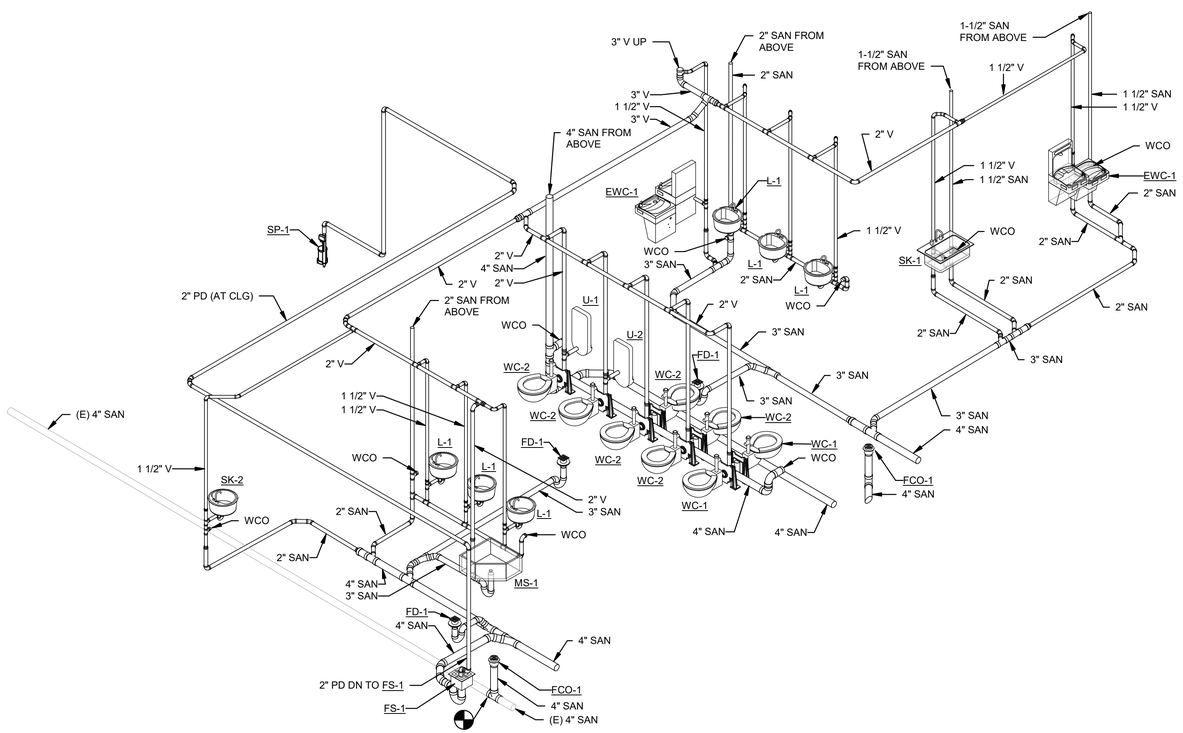


E2 P902 RISER DIAGRAMS - SANITARY & VENT - ENLARGED SECOND FLOOR



A8 P902 RISER DIAGRAMS - SANITARY & VENT - ENLARGED FIRST FLOOR

GENERAL SHEET NOTES

A. REFER TO SHEET P001 FOR LEGEND AND GENERAL NOTES.

B. PROVIDE UL LISTED FIRE-STOPPING SYSTEMS AT PENETRATIONS THROUGH RATED PARTITIONS.

SHEET NOTES ◇

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PLUMBING RISER DIAGRAMS - ENLARGED SANITARY & VENT

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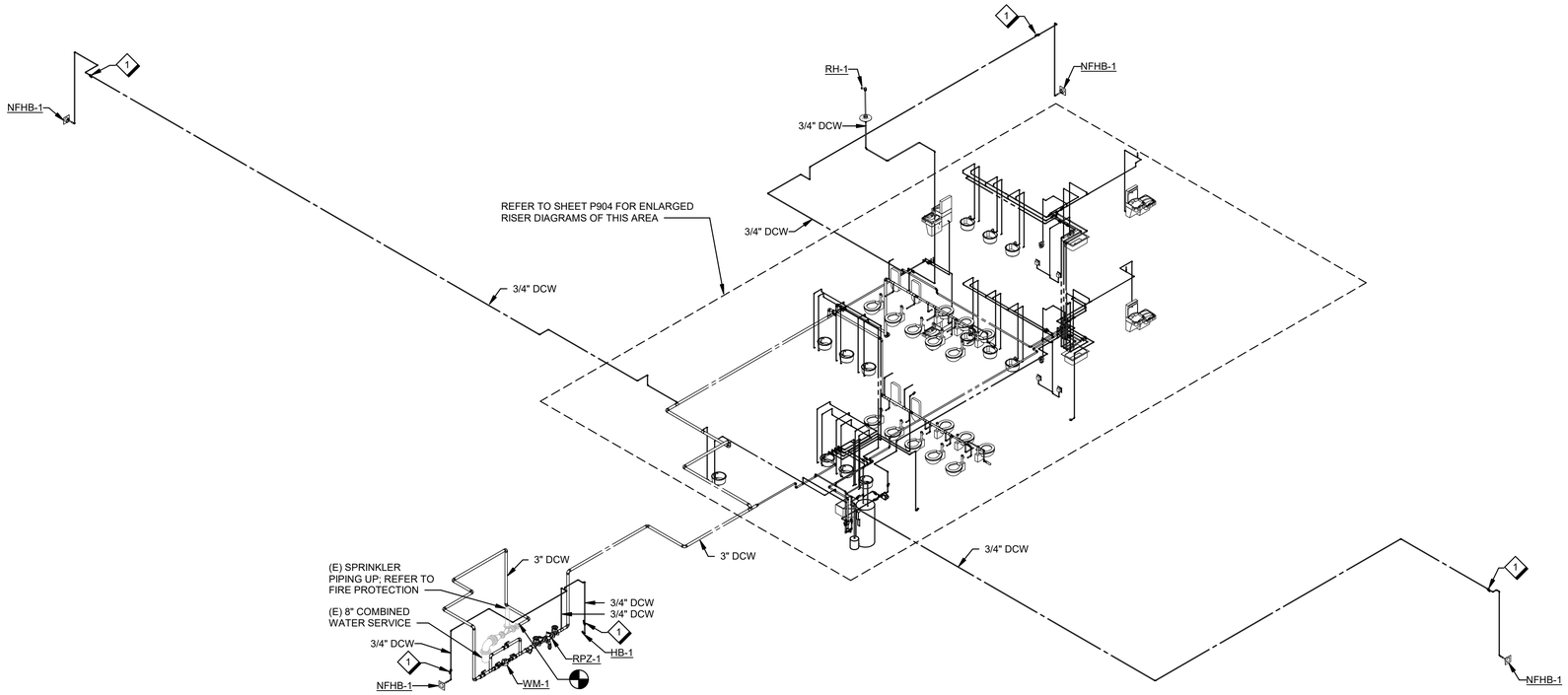

C8 / P903 RISER DIAGRAMS - DOMESTIC WATER - OVERALL

GENERAL SHEET NOTES

A. REFER TO SHEET P001 FOR LEGEND AND GENERAL NOTES.

B. PROVIDE UL LISTED FIRE-STOPPING SYSTEMS AT PENETRATIONS THROUGH RATED PARTITIONS.

SHEET NOTES ◇

1 PROVIDE LINE SIZE ISOLATION VALVE TO SERVE HOSE BIBB (TYPICAL).

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WARRENTON ADMINISTRATIVE BUILDING

PLUMBING RISER DIAGRAMS - DOMESTIC WATER

WARRENTON — DCCA ADM — VA

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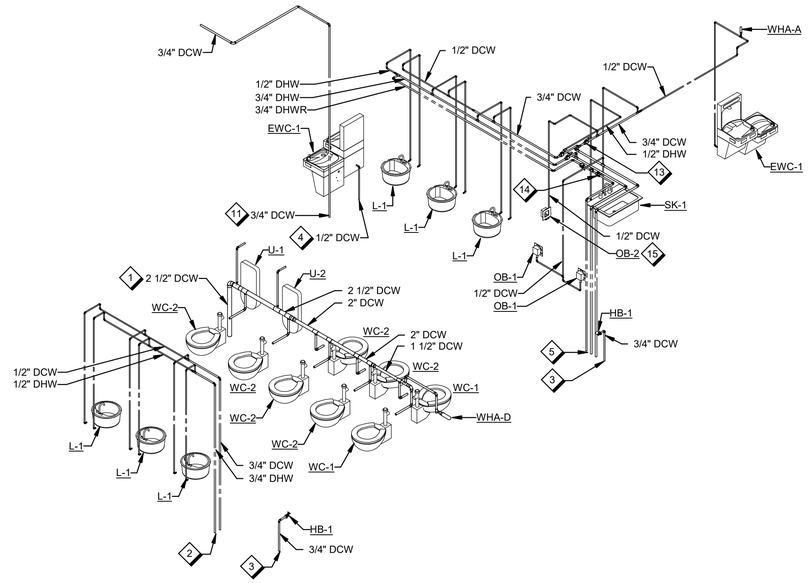
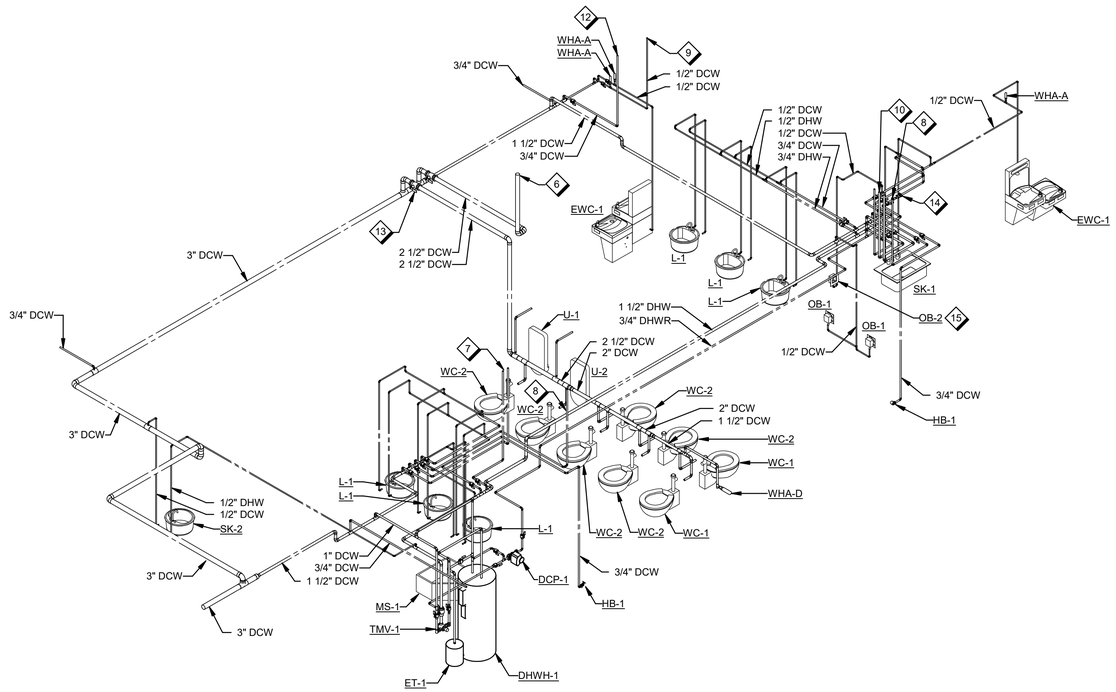


E8 RISER DIAGRAMS - DOMESTIC WATER - ENLARGED SECOND FLOOR

P904



A8 RISER DIAGRAMS - DOMESTIC WATER - ENLARGED FIRST FLOOR

P904

GENERAL SHEET NOTES

A. REFER TO SHEET P001 FOR LEGEND AND GENERAL NOTES.

B. PROVIDE UL LISTED FIRE-STOPPING SYSTEMS AT PENETRATIONS THROUGH RATED PARTITIONS.

SHEET NOTES ◇

1 2-1/2" DCW FROM BELOW.

2 3/4" DCW & DHW FROM BELOW.

3 3/4" DCW FROM BELOW.

4 1/2" DCW FROM BELOW.

5 1" DCW, 1" DHW & 3/4" DHWR FROM BELOW.

6 2-1/2" DCW UP TO SECOND FLOOR.

7 3/4" DCW & DHW UP TO SECOND FLOOR.

8 3/4" DCW UP TO SECOND FLOOR.

9 1/2" DCW UP TO SECOND FLOOR.

10 1" DCW, 1" DHW & 3/4" DHWR UP TO SECOND FLOOR.

11 3/4" DCW FROM BELOW.

12 3/4" DCW UP TO SECOND FLOOR.

13 PROVIDE LINE SIZE ISOLATION VALVES ON BRANCH LINES (TYPICAL).

14 PROVIDE BALANCING VALVE AND CHECK VALVE FOR RECIRCULATION BRANCH. SET BALANCING VALVE TO 0.5 GPM. FINALIZE BALANCING VALVE FLOW DURING TAB.

15 PROVIDE INDIVIDUAL ASSE 1022 DUAL CHECK VALVE ON SUPPLY TO OB-2 FOR COFFEE MAKER.

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WARRENTON ADMINISTRATIVE BUILDING

PLUMBING RISER DIAGRAMS - ENLARGED DOMESTIC WATER

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DCCA ADM
WARRENTON, VA

DESIGNED BY B. TANNER
DRAWN BY B. TANNER
CHECKED BY J. LEMENS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - P904
REV.

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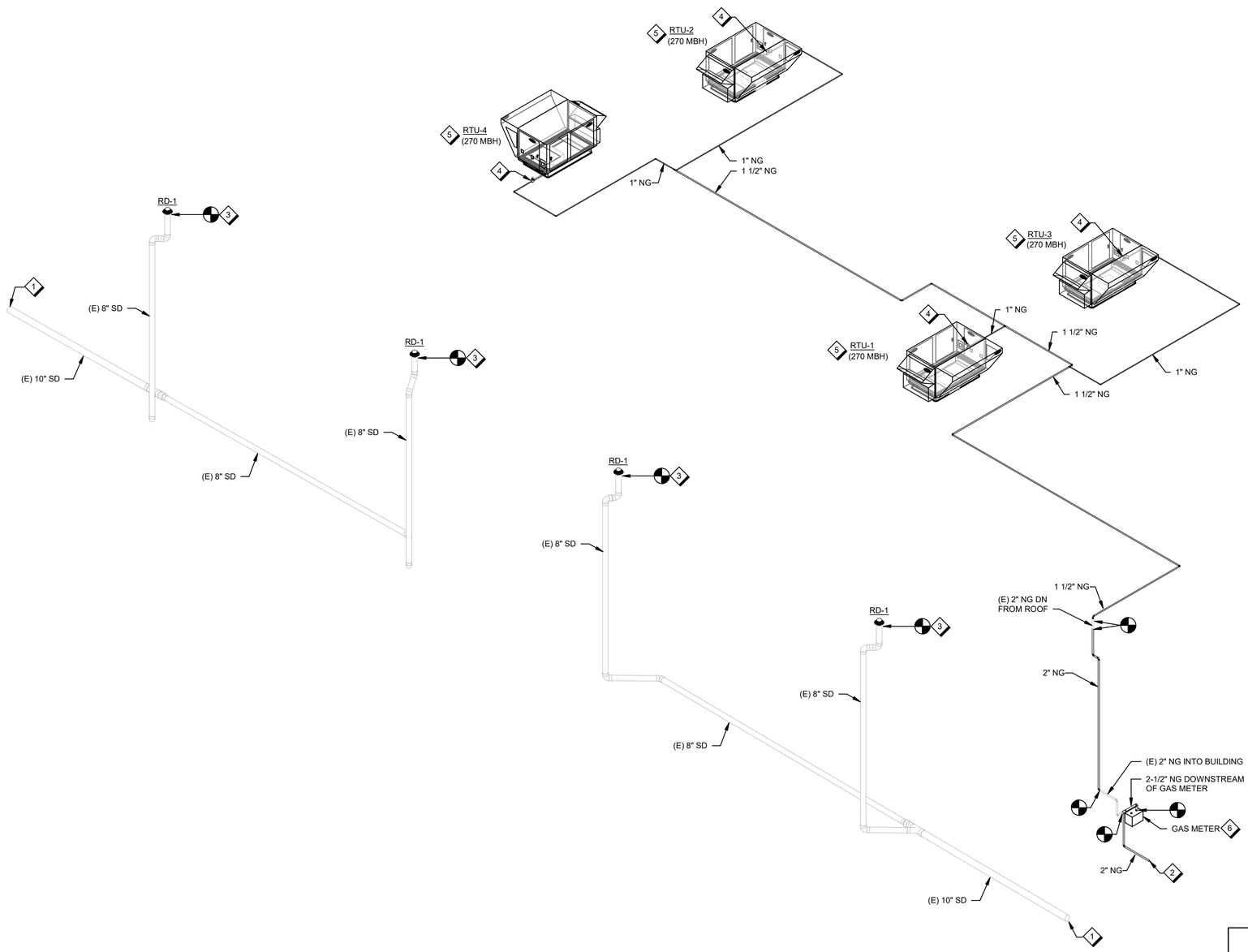

B8 / P905 RISER DIAGRAMS - STORM & NATURAL GAS

GENERAL SHEET NOTES

A. REFER TO SHEET P001 FOR LEGEND AND GENERAL NOTES.

B. PROVIDE UL LISTED FIRE-STOPPING SYSTEMS AT PENETRATIONS THROUGH RATED PARTITIONS.

SHEET NOTES ◇

1 EXISTING 10" STORM TO MAIN STORM SEWER; I.E.: 3'-0" BFF PER RECORD DRAWINGS.

2 PROVIDE 2" NG BELOW GRADE TO GENERATOR G-1; REFER TO CIVIL FOR CONTINUATION OF PIPING TO GENERATOR. PROVIDE NATURAL GAS PRESSURE REGULATOR SET TO 7 - 11 IN. WC OUTLET PRESSURE AT GENERATOR PER DETAIL D3/P501. PROVIDE 3" NATURAL GAS PIPING DOWNSTREAM OF PRESSURE REGULATOR.

3 CONNECT ROOF DRAIN TO EXISTING STORM LEADER.

4 GAS PRESSURE REGULATOR; 6 - 10.5 IN. WC OUTLET PRESSURE.

5 ROOFTOP UNIT, MECHANICAL EQUIPMENT; REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.

6 COORDINATE WITH LOCAL GAS UTILITY TO PROVIDE NEW GAS METER CAPABLE OF TOTAL GAS LOAD OF 5211 MBH AT 2PSI DELIVERY OR VERIFY THE EXISTING GAS METER IS CAPABLE OF NEW LOAD.

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PLUMBING RISER DIAGRAMS - STORM & NATURAL GAS

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
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WIRING DEVICE LEGEND

13	ONE OR TWO NUMERIC DIGIT BRANCH CIRCUIT NUMBER (13 IN THIS EXAMPLE)
+48"	DENOTES THE MOUNTING HEIGHT IN INCHES ABOVE THE FINISHED FLOOR.
A	ARC FAULT CIRCUIT INTERRUPTER
EWC	ELECTRIC WATER COOLER
GFI	GFCI TYPE, WIRED FOR GFCI TRIP FOR DESIGNATED RECEPTACLE ONLY (NON-FEED-THRU INSTALLATION)
L	PAD LOCKABLE COVER
PR	PROJECTOR RECEPTACLE TO BE LOCATED WITHIN PROJECTOR OR CEILING MOUNT
TR	TAMPER RESISTANT TYPE RECEPTACLE
TV	TELEVISION RECEPTACLE TYPE RECEPTACLE; COORDINATE MOUNTING HEIGHT AND EXACT LOCATION WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION
U	USB CHARGING
WP-WIN	WEATHER-RESISTANT TYPE, WEATHERPROOF WITH WHILE-IN-USE COVER
	DUPLEX RECPTACLE. UNLESS INDICATED OTHERWISE, RECEPTACLES ARE FLUSH MOUNTED, 20A,125V, 1PH, 2P, 3W, NEMA 5-20R.
	DUPLEX RECPTACLE. UNLESS INDICATED OTHERWISE, RECEPTACLES ARE FLUSH MOUNTED, 20A,125V, 1PH, 2P, 3W, NEMA 5-20R, MOUNTED 6" ABOVE COUNTERTOP OR BACKSPLASH UNLESS OTHERWISE NOTED.
	DUPLEX RECPTACLE. UNLESS INDICATED OTHERWISE, RECEPTACLES ARE FLUSH MOUNTED, 20A,125V, 1PH, 2P, 3W, NEMA 5-20R ON AN EMERGENCY CIRCUIT.
	TWO DUPLEX (QUAD) RECEPTACLES. UNLESS INDICATED OTHERWISE, RECEPTACES ARE FLUSH MOUNTED, 20A, 125V, 1PH, 2P, 3W, NEMA 5-20R.
	DUPLEX RECEPTACLE. UNLESS INDICATED OTHERWISE, RECEPTACLES ARE FLUSH MOUNTED, 20A,125V,1PH, 2P, 3W, NEMA 5-20R, TYP. REFER TO TELECOM DRAWINGS T203 AND T204 FOR LOCATION AND MOUNTING HEIGHTS.
	SPECIAL PURPOSE RECEPTACLE, UNLESS INDICATED OTHERWISE, RECEPTACLES ARE FLUSH MOUNTED, 20A, 125V, 1PH, 2P, 3W, NEMA L5-20.
	CEILING MOUNTED DUPLEX RCPT. UNLESS INDICATED OTHERWISE, 20A,125V, 1PH, 2P, 3W, NEMA 5-20R
A5	CEILING MOUNTED SPECIAL PURPOSE RECEPTACLE. TYPES ARE AS NOTED IN THE SPECIAL RECEPTACLE SCHEDULE.
	SURFACE MOUNTED RECEPTACLE
1T.1	FLUSH FLOOR TYPE FLOOR BOX FOR POWER. INSTALL PER MANUFACTURER INSTRUCTION.
1T.1	FLUSH FLOOR TYPE FLOOR BOX FOR POWER AND TELECOM. INSTALL PER MANUFACTURER INSTRUCTION.
1T.1	FLUSH FLOOR TYPE POKE-THRU BOX FOR POWER AND TELECOM. INSTALL PER MANUFACTURER INSTRUCTION. FLOOR BOX TAG. REFER TO DRAWING E512 FOR FURNITURE FLOOR BOX TYPE AND CIRCUIT CONNECTIONS.
F 1A.1	FURNITURE FEED BOX. INSTALL PER MANUFACTURER INSTRUCTION. FURNITURE FEED TAG. REFER TO DRAWING E512 FOR FURNITURE FLOOR BOX TYPE AND CIRCUIT CONNECTIONS.
	WALL MOUNTED TWO-COMPARTMENT SURFACE MOUNTED RACEWAY WITH DUPLEX 120V, 20A, 3-WIRE, NEMA 5-20R RECEPTACLES AT 18" ON CENTER. MOUNT 6" ABOVE COUNTER TOP, UNLESS INDICATED OTHERWISE.

NPL2-3:1 / +36" / WP GFI

- PANEL NAME
- NUMERAL = CIRCUIT NUMBER
- +(INCHES) = HEIGHT IN INCHES ABOVE FINISHED FLOOR
- CAPITAL LETTER(S) = SPECIAL DESIGNATOR SUBSCRIPT DEFINED ABOVE

LUMINAIRE LEGEND

	1'X4' RECESSED LUMINAIRE
	1'X4' RECESSED CENTER BASKET LUMINAIRE
	1'X4' SURFACE LUMINAIRE
	1'X4' SURFACE CENTER BASKET LUMINAIRE
	1'X4' RECESSED LUMINAIRE CONNECTED TO EMERGENCY SOURCE
	2'X2' RECESSED LUMINAIRE
	2'X2' RECESSED CENTER BASKET LUMINAIRE
	2'X2' SURFACE LUMINAIRE
	2'X2' SURFACE CENTER BASKET LUMINAIRE
	2'X2' RECESSED LUMINAIRE CONNECTED TO EMERGENCY SOURCE
	2'X4' RECESSED LUMINAIRE
	2'X4' RECESSED CENTER BASKET LUMINAIRE
	2'X4' SURFACE LUMINAIRE
	2'X4' SURFACE CENTER BASKET LUMINAIRE
	2'X4' RECESSED LUMINAIRE CONNECTED TO EMERGENCY SOURCE
	1'X4' PENDANT LUMINAIRE
	1'X4' PENDANT LUMINAIRE CONNECTED TO EMERGENCY SOURCE
	1'X8' LINEAR PENDANT LUMINAIRE
	1'X8' LINEAR PENDANT LUMINAIRE CONNECTED TO EMERGENCY SOURCE
	ROUND PENDANT LUMINAIRE. SEE LUMINAIRE ANCILLARIES BELOW FOR ADDITIONAL REQUIREMENTS.
	DOWNLIGHT LUMINAIRE
	DOWNLIGHT LUMINAIRE CONNECTED TO EMERGENCY SOURCE
	DOWNLIGHT WALL WASHER LUMINAIRE (CHEVRON(S) POINT TO WASHED WALL(S))
	SURFACE OR PENDANT MOUNTED TRACK LUMINAIRE. NUMBERS OF LAMP HEADS AS INDICATED IN LIGHTING FIXTURE SCHEDULE. SEE LUMINAIRE ANCILLARIES BELOW FOR ADDITIONAL REQUIREMENTS.
	SITE POLE LUMINAIRE WITH CONCRETE FOOTING. NUMBERS OF LAMP HEADS AS INDICATED IN LIGHTING FIXTURE SCHEDULE. SEE LUMINAIRE ANCILLARIES BELOW FOR ADDITIONAL REQUIREMENTS.
	WALL MOUNTED EGRESS LIGHT. MOUNT 8'-0" ABOVE FINISHED FLOOR, UNLESS INDICATED OTHERWISE. NUMBERS OF LAMP HEADS AS INDICATED IN LIGHTING FIXTURE SCHEDULE.
	WALL MOUNTED REMOTE LAMP HEAD EMERGENCY LIGHT. MOUNT 8'-0" ABOVE FINISHED FLOOR, UNLESS INDICATED OTHERWISE. NUMBERS OF LAMP HEADS AS INDICATED IN LIGHTING FIXTURE SCHEDULE.
	PENDANT OR CEILING MOUNTED ILLUMINATED EGRESS EXIT SIGN. WHERE USED, DIRECTIONAL ARROWS AS INDICATED. MOUNT 8'-0" ABOVE FINISHED FLOOR, UNLESS INDICATED OTHERWISE.
	WALL MOUNTED ILLUMINATED EGRESS EXIT SIGN. WHERE USED, DIRECTIONAL ARROWS AS INDICATED. MOUNTED 8'-0" AFF UNLESS INDICATED OTHERWISE .
	DENOTES POLE MOUNTED SINGLE ARM LUMINAIRE. POLE HEIGHT AS INDICATED.
	DENOTES POLE MOUNTED TWIN CONFIGURATION SINGLE ARM LUMINAIRE. INDIVIDUAL LUMINAIRE TYPE AS INDICATED; POLE HEIGHT AS INDICATED.
	DENOTES POLE MOUNTED TRIPLEX CONFIGURED SINGLE ARM LUMINAIRE. INDIVIDUAL TYPE AS INDICATED; POLE HEIGHT AS INDICATED.
	DENOTES POLE MOUNTED QUADRAPLEX CONFIGURED SINGLE ARM LUMINAIRE. INDIVIDUAL LUMINAIRE TYPE AS INDICATED; POLE HEIGHT AS INDICATED.

NPL2-3:12 / A1 a

- PANEL NAME
- NUMERAL = CIRCUIT NUMBER
- LOWERCASE ALPHANUMERIC CHARACTER = LIGHTING SWITCH OR CONTROL ZONE
- ALPHANUMERIC TAG = LUMINAIRE TAG; COORDINATE WITH LIGHTING FIXTURE SCHEDULE

POWER DISTRIBUTION / EQUIPMENT LEGEND

	FLOOR OR SURFACE MOUNTED 208V PANELBOARD
	FLOOR OR SURFACE MOUNTED 480V PANELBOARD
	RECESSED 208V PANELBOARD
	RECESSED 480V PANELBOARD
T75	GENERAL PURPOSE, DRY TYPE TRANSFORMER. 'T75' IS THE KVA RATING FOR THE TRANSFORMER. IN THIS EXAMPLE, 'T75' REPRESENTS A TRANSFORMER RATED 75KVA.
ATS	AUTOMATIC TRANSFER SWITCH.
SPD	SURGE PROTECTIVE DEVICE
M	MOTOR CONNECTION
	HARDWIRED EQUIPMENT CONNECTION, WITH EQUIPMENT SERVED.
	FUSED SAFETY SWITCH
	NON-FUSED SAFETY SWITCH
	COMBINATION LOCAL CONTROLLER, FUSED SAFETY SWITCH
	LOCAL CONTROLLER
VFD	MOTOR CONTROL CENTER MOTOR STARTER OR LOCAL CONTROLLER. IN THIS EXAMPLE, 'VFD' DENOTES VARIABLE FREQUENCY DRIVE.
CTL	CONTROL PANEL
JB	JUNCTION BOX WITH COVER PLATE
JB	WALL MOUNTED JUNCTION BOX WITH COVER PLATE
EPO	EMERGENCY POWER OFF SWITCH

LIGHTING CONTROL DEVICE LEGEND

$3	THREE WAY.
4	FOUR WAY.
D	WALL DIMMER.
MS	MASTER SWITCH
OS	OCCUPANCY SENSOR [WITH MANUAL OVERRIDE].
V	VACANCY SENSOR/SWITCH
VD	VACANCY SENSOR/DIMMER
O	OCCUPANCY SENSOR/SWITCH
OD	OCCUPANCY SENSOR/DIMMER
MC	3 POSITION, MOMENTARY CONTACT WITH CENTER OFF.
WP	WEATHERPROOF.
M	SURFACE MOUNTED MOTOR RATED WITH OVERLOAD ELEMENTS, CONTINOUS CURRENT RATING AND QUANTITY OF POLES AS REQUIRED FOR EQUIPMENT SERVED.
$	RECESSED WALL MOUNTED SWITCH. INSTALL ADJACENT DEVICES UNDER COMMON FACEPLATE, FOUR DEVICES MAXIMUM PER FACEPLATE. EVENLY DIVIDE DEVICES INTO SEPARATE GROUPS WHERE ADJCENT DEVICES EXCEEDS FOUR.
$	SURFACE WALL MOUNTED SWITCH.INSTALL ADJACENT DEVICES UNDER COMMON FACEPLATE, FOUR DEVICES MAXIMUM PER FACEPLATE. EVENLY DIVIDE DEVICES INTO SEPARATE GROUPS WHERE ADJCENT DEVICES EXCEEDS FOUR.
O	CEILING MOUNTED DUAL-TECHNOLOGY OCCUPANCY SENSOR
O	PENDANT DUAL-TECHNOLOGY OCCUPANCY SENSOR
P	PHOTO SENSOR
D	PENDANT DAYLIGHT SENSOR

$3a

- LIGHTING CONTROL DEVICE IDENTIFICATION (TYPICAL FOR ALL LIGHTING CONTROL DEVICE SYMBOLS WHERE USED)
- LOWERCASE LETTER(S) = CONTROL ZONE
- CAPITAL LETTER(S) AND/OR NUMERAL = SPECIAL DESIGNATOR SUBSCRIPT DEFINED ABOVE

GROUNDING AND LIGHTNING PROTECTION LEGEND

–G–G–G–	GROUNDING CONDUCTOR.
	GROUND CONNECTION TO BUILDING STEEL OR EQUIPMENT / VESSEL.
	MAIN GROUND BAR.
BGA	BARREL GROUNDING BAR ASSEMBLY; MOUNTED 5'-0" AFF.
–LPS–LPS–	MAIN LIGHTNING PROTECTION CONDUCTOR
	LIGHTNING PROTECTION AIR TERMINAL.
	LIGHTNING PROTECTION GROUND ROD.

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ELECTRICAL SYMBOLS

WARRENTON — DCCA ADM — VA

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SINGLE LINE DIAGRAM LEGEND

LSIG, 250 AF 225 AT	LOW VOLTAGE MOLDED CASE CIRCUIT BREAKER.
3, LSIG, 1200/5	SOLID STATE TRIP UNIT WITH CT INPUT OR MODULE CAPABLE OF MONITORING AMPS, INSTANTANEOUS KW, PEAK KW AND KWH.
3, MR 1200/5	PHASE CURRENT TRANSFORMER.
1, 50/5	ZERO SEQUENCE CURRENT TRANSFORMER.
PT 100 VA	POTENTIAL TRANSFORMER.
480V 10KVA, 1PH 120/240V, CPT	CONTROL POWER TRANSFORMER.
T-PD2A 30KVA 480 V- 208/120 V	TRANSFORMER.
	CABLE LUG TERMINATION
LA'S 3	LIGHTNING ARRESTER. NUMERIC VALUE DENOTES QUANTITY.
P S L ATS	TRANSFER SWITCH. 'ATS' DENOTES AUTOMATIC TRANSFER TYPE, 'MTS' DENOTES MANUAL TRANSFER TYPE. 'P' DENOTES PRIMARY POWER SOURCE; 'S' DENOTES SECONDARY POWER SOURCE; 'L' DENOTES TRANSFER SWITCH LOAD SIDE CONNECTION POINT.
	BATTERY.
DM	DIGITAL METER.
	GROUNDING CONNECTION.
13Y	FEEDER / BRANCH CIRCUIT DESIGNATION. IN THIS EXAMPLE, '13Y' REFERS TO THE SYMBOL COLUMN OF THE FEEDER/BRANCH CIRCUIT SCHEDULE. THE ASSOCIATED SYMBOL DESIGNATION DENOTES THE FEEDER / BRANCH CIRCUIT REQUIREMENTS FOR THE ITEM TAGGED.
M, EF-01	MOTOR
M	MULTIFUNCTION METER
	DENOTES FUTURE CIRCUIT / EQUIPMENT
	DENOTES BRANCH CIRCUIT / FEEDER IN CABLE TRAY.
	DENOTES BRANCH CIRCUIT / FEEDER IN CONDUIT.
	DENOTES GROUNDING SYSTEM.
	DENOTES ELECTRICAL EQUIPMENT BUS.
	DENOTES DATA CIRCUITRY
	DENOTES EQUIPMENT ENCLOSURE.

SINGLE LINE DIAGRAM LEGEND

SPD	SURGE PROTECTIVE DEVICE.
30A/3P, N.C.	NON-FUSED DISCONNECT / SAFETY SWITCH.
30A/3P, N.C., F-30A	FUSED DISCONNECT / SAFETY SWITCH.
E	ENGINE.
G	GENERATOR.
GFP	GROUND FAULT PROTECTION.
	LOADBANK.
	FUSE
	FUSED POTENTIAL TRANSFORMER.
R1	RELAY.
VFD	MOTOR CONTROL CENTER MOTOR STARTER OR LOCAL CONTROLLER. IN THIS EXAMPLE, 'VFD' DENOTES VARIABLE OR ADJUSTABLE FREQUENCY DRIVE. UNLESS INDICATED OTHERWISE, LOCAL CONTROLLER ENCLOSURES ARE RATED NEMA 1.
60A/3P	IN THIS EXAMPLE. DENOTES 60 AMPERES / 3 POLE.
F-30A	IN THIS EXAMPLE, DENOTES FUSED WITH 30 AMPERE FUSES.
F-MFR	DENOTES FUSE RATING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS FOR THE UTILIZATION EQUIPMENT PROTECTED BY THE FUSES.
N3R	IN THIS EXAMPLE, DENOTES NEMA 3R ENCLOSURE.
SN	DENOTES SOLID NEUTRAL.
N.C.	DENOTES NORMALLY CLOSED.
N.O.	DENOTES NORMALLY OPEN.

LSIG, 1600 AF 800 AT

- DEVICE ADJUSTABLE PROTECTION OPTIONS. LONG, SHORT, INSTANTANEOUS, AND GROUND PICKUPS IN THIS EXAMPLE.
- "AF" DENOTES FRAME SIZE, "AT" DENOTES TRIP SETTING. 1600A FRAME WITH 800A TRIP IN THIS EXAMPLE.

30A/3P, N.C., (3) F-30A

- DENOTES SWITCH SIZE AND POLES. 30A, 3-POLE SWITCH IN THIS EXAMPLE.
- DENOTES ORIENTATION OF SWITCH. NORMALLY CLOSED IN THIS EXAMPLE.
- DENOTES QUANTITY AND RATING OF FUSES. THREE 30A IN THIS EXAMPLE.

ELECTRICAL EQUIPMENT NOMENCLATURE

POWER SOURCE / DISTRIBUTION SYSTEM DESIGNATIONS

UTIL	SITE INCOMING WJHTC FACILITY POWER SOURCE
_	(BLANK) BUILDING INTERIOR NORMAL POWER DISTRIBUTION
C	CRITICAL POWER
E	ESSENTIAL
G	GENERATOR POWER
LB	LOAD BANK
SE	SERVICE ENTRANCE
U	UPS POWER

POWER DISTRIBUTION EQUIPMENT TYPE DESIGNATIONS

ATS	AUTOMATIC TRANSFER SWITCH
BC	BATTERY CABINET/RACK
D	SAFETY DISCONNECT SWITCH
DP	DISTRIBUTION PANELBOARD (I-LINE SERIES)
P	BRANCH CIRCUIT PANELBOARD
S	SWITCHBOARD
STS	STATIC TRANSFER SWITCH
T	TRANSFORMER
UPS	UNINTERRUPTIBLE POWER SUPPLY

DISTRIBUTION SYSTEM / EQUIPMENT VOLTAGE DESIGNATIONS

MV	MEDIUM VOLTAGE (12470 VOLTS)
H	480V OR 480Y/277V
L	208V OR 208Y/120V

POWER PATH IDENTIFIER (WHERE APPLICABLE)

A	POWER PATH "A"
B	POWER PATH "B"
M	MAINTENANCE
T	TEMPORARY

NUMBER

1,2, ETC

(EXAMPLES)

BUILDING SERVICE TRANSFORMER:

T - UTIL-A

BUILDING SERVICE ENTRANCE EQUIPMENT:

SEDP
MAIN SERVICE ENTRANCE EQUIPMENT
DISTRIBUTION PANELBOARD

DISTRIBUTION PANELBOARD:

UDPLA-1
UPS POWER PANEL
DISTRIBUTION PANELBOARD
VOLTAGE (208Y/120V)
POWER PATH "A"
"1" DENOTES SYSTEM GROUP

BRANCH PANELBOARD:

EPLA1-1
ESSENTIAL POWER PANEL
VOLTAGE (208Y/120V)
POWER PATH "A"
"1-1" DENOTE PANEL 1 OF GROUP 1

WIRING SYSTEM/RACEWAY/CABLE TRAY LEGEND

#10, 3/4", LP-1,3	BRANCH CIRCUIT "HOMERUN", TIC MARKS INDICATE NUMBER OF CONDUCTORS (INCLUDING NEUTRAL). #10 INDICATES AWG WIRE SIZE, AND 3/4" INDICATES CONDUIT SIZE. WIRE AND CONDUIT SIZE IS APPLICABLE TO EACH CIRCUIT INDICATED FOR ENTIRE LENGTH OF CIRCUIT. ALL BRANCH CIRCUIT WIRING SHALL INCLUDE A #12 AWG GROUND IN 3/4" CONDUIT. ARROW HEADS DENOTE A HOMERUN TO PANELBOARD. NUMBER OF ARROWHEADS INDICATE NUMBER OF CIRCUITS IN CONDUIT. "LP-1,3" INDICATES PANEL AND CIRCUIT NUMBERS.
A	SWITCH LEG CONNECTED TO SWITCH "A"
R1	SWITCH LEG CONNECTED TO RELAY #1 IN LIGHTING CONTROL PANEL INDICATED.
	CONDUIT OR CABLE TURNING UP OR TOWARD THE OBSERVER
	CONDUIT OR CABLE TURNING DOWN OR AWAY FROM THE OBSERVER
	CONDUIT OR CABLE CHANGE IN ELEVATION
3	SINGLE CONDUIT CAPPED
	MULTIPLE CONDUITS, ALL INDIVIDUALLY CAPPED. WHERE NUMERIC DESIGNATION INDICATED, DENOTES QUANTITY OF CAPPED CONDUITS. IN THIS EXAMPLE, THREE CAPPED CONDUITS
	CONDUIT WITH BUSHING
	RACEWAY CONTINUATION
	CABLE TRAY

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WARRENTON ADMINISTRATIVE BUILDING

ELECTRICAL GENERAL AND SINGLE LINE DIAGRAM SYMBOLS

WARRENTON — DCCA ADM — VA

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GENERAL NOTES:

1. WHERE "SPLIT CIRCUIT" IS INDICATED, EXTEND SPLIT CIRCUIT HOME RUNS TO A COMMON JUNCTION BOX ABOVE THE PANEL INDICATED. TIE HOME RUNS TOGETHER USING SPLICE KIT AND EXTEND A SINGLE SET OF CONDUCTORS TO CIRCUIT BREAKER NUMBER INDICATED. WIRING USED IN SPLIT CIRCUITS SHALL BE THE SAME SIZE.
2. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL IN NATURE AND INDICATE THE GENERAL LOCATION OF OUTLETS, EQUIPMENT, AND THE CIRCUIT ARRANGEMENT OF THE REQUIRED WIRING. ALTHOUGH THE DRAWINGS DO NOT NECESSARILY INDICATE THE ACTUAL ROUTES OF SURFACE MOUNTED CONDUITS, WHERE INDICATED, THEY SHALL BE FOLLOWED AS CLOSELY AS PROPER COORDINATION WITH THE WORK OF OTHER TRADES AND SPACE WILL PERMIT. WHERE CONDUIT RUNS ARE NOT SHOWN ON THE DRAWINGS, SUCH AS FOR MECHANICAL EQUIPMENT, COORDINATE CONDUIT RUNS WITH THE WORK OF OTHER TRADES AND STRUCTURE. SIMPLIFY INSTALLATION WHEREVER POSSIBLE, BUT SUBJECT TO APPROVAL BY THE COR FOR VISUAL AND STRUCTURAL REASONS. IT IS NOT WITHIN THE SCOPE OF THE DRAWINGS TO SHOW ALL NECESSARY OFFSETS, BENDS, PULL BOXES, AND OBSTRUCTIONS. THE DRAWINGS ARE NOT INTENDED TO BE SCALED, REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
3. NOT ALL SYMBOLS SHOWN IN LEGENDS ARE USED - SEE DRAWINGS FOR APPLICABLE DEVICES.
4. MOUNTING HEIGHTS INDICATED AS '+##' ARE MEASURED FROM FINISHED FLOOR UNLESS OTHERWISE NOTED.
5. PROVIDE LABELS DENOTING EQUIPMENT SERVED AND CORRESPONDING CIRCUIT NUMBER ON DEDICATED RECEPTACLES.
6. SEAL PENETRATIONS OF FIRE- AND/OR SMOKE-RATED CONSTRUCTION WITH U.L. APPROVED STOPPING MATERIAL TO RESTORE THE ORIGINAL RATING OF THE PENETRATED CONSTRUCTION.
7. SEAL PENETRATIONS OF NON-RATED PARTITIONS WITH APPROVED MATERIAL TO PREVENT AIRFLOW AND DEBRIS.
8. MOUNTING HEIGHTS SHOWN ON ELECTRICAL, COMMUNICATIONS, AND SYSTEMS DRAWINGS ARE FOR BIDDING PURPOSES ONLY. REFER TO INTERIOR ELEVATION DRAWINGS FOR MOUNTING HEIGHTS OF DEVICES AND EQUIPMENT. WHERE DISCREPANCIES OCCUR, INTERIOR ELEVATIONS TAKE PRECEDENCE.
9. SUPPORT BOXES AND CONDUIT ABOVE CEILING INDEPENDENTLY. DO NOT SUPPORT FROM SUSPENDED CEILING SYSTEM.
10. WHERE CONCEALED BY INACCESSIBLE FINISHES, PROVIDE ACCESS DOORS FOR JUNCTION & PULL BOXES, CONTROL DEVICES & EQUIPMENT, DISCONNECT SWITCHES, AND OTHER ITEMS REQUIRING SERVICE, MAINTENANCE, OPERATION, OR ADJUSTMENT. SIZE AND LOCATE ACCESS DOORS FOR EASE OF PERFORMANCE OF THE FUNCTION INTENDED. DOORS SHALL NOT BE SMALLER THAN 18" x 18". COORDINATE LOCATION OF ACCESS DOORS WITH AFFECTED TRADES. SUBMIT PANEL LOCATIONS FOR APPROVAL BY THE ARCHITECT PRIOR TO INSTALLATION.
11. INSTALL ADJACENT DEVICES UNDER A COMMON FACEPLATE, WITH NO MORE THAN FOUR DEVICES IN A SINGLE FACEPLATE. WHERE MORE THAN FOUR ADJACENT DEVICES ARE PRESENT, EVENLY DIVIDE DEVICES INTO SEPARATE GROUPS OF NO LESS THAN TWO DEVICES PER GROUP. PROVIDE BARRIERS WITHIN BOXES TO SEPARATE DEVICES WHERE DIFFERENT CIRCUITS AND DIFFERENT VOLTAGES ARE PRESENT.
12. PROVIDE LUGS AS NECESSARY FOR TERMINATING OVERSIZED CONDUCTORS OR OTHERWISE MAKE PROVISIONS FOR TERMINATING OVERSIZED CONDUCTORS IN DEVICES WHOSE LUGS DO NOT ACCEPT THE OVERSIZED CONDUCTOR SIZE.
13. SHARED NEUTRAL CONDUCTORS ARE PROHIBITED.
14. ALL OUTAGES MUST BE SCHEDULED WITH A MINIMUM OF 21 CALENDAR DAYS IN ADVANCE. NOTIFY THE COR. MAKE AN APPLICATION FOR OUTAGES TO COR WITH THE PROVIDED REQUEST FORMS AND SUBMIT FOR APPROVAL FOR THE OUTAGES. NO OUTAGES WILL TAKE PLACE WITHOUT WRITTEN AUTHORIZATION TO THE COR. OUTAGES CAN BE CANCELED BY THE GOVERNMENT UP UNTIL THE SCHEDULED TIME OF THE OUTAGE. OUTAGES SHALL BE COORDINATED WITH THE COR TO MINIMIZE TOTAL OUTAGES TO THE FACILITY.
15. ADJUST WIRE SIZES TO COMPENSATE FOR VOLTAGE DROP. THE LENGTH OF A SINGLE PHASE 20A CIRCUIT (ONE-WAY) SHALL NOT EXCEED THE FOLLOWING VALUES (BASED ON 16A LOAD):

CONDUCTOR SIZE (AWG)	MAXIMUM 120V CIRCUIT LENGTH	MAXIMUM 277V CIRCUIT LENGTH
#12	60'-0"	135'-0"
#10	90'-0"	210'-0"
#8	140'-0"	330'-0"
#6	225'-0"	525'-0"

GENERAL DEMOLITION NOTES:

1. EXISTING INFORMATION IS INTENDED TO ASSIST IN IDENTIFYING THE EXISTING CONDITIONS BASED UPON THE INFORMATION GATHERED FROM RECORD DRAWINGS AND THROUGH NON-INVASIVE FIELD INVESTIGATION. PERFORM DEMOLITION WITH THE INTENT OF COMPLETELY REMOVING EQUIPMENT, DEVICES, AND ASSOCIATED WIRING AND CONDUIT WITHIN THE PROJECT AREA, UNLESS NOTED OTHERWISE. VERIFY ROUTING AND CIRCUIT ARRANGEMENT SHOWN ON THE DRAWINGS PRIOR TO COMMENCING WORK.
2. WHERE EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO BE DEMOLISHED OR RELOCATED, MAINTAIN CIRCUIT CONTINUITY TO THE PORTION OF THE CIRCUIT REQUIRED TO REMAIN IN SERVICE.
3. REMOVE DEMOLISHED ELECTRICAL EQUIPMENT FROM THE SITE UNLESS NOTED OTHERWISE. CLEAR AND PREPARE AREAS AS REQUIRED FOR NEW ELECTRICAL WORK.
4. PATCH, REPAIR, AND PAINT HOLES AND DAMAGE CAUSED BY THE ELECTRICAL DEMOLITION AND MODIFICATIONS TO MATCH ADJACENT AREA AND EXISTING CONDITIONS. PATCHES SHALL BE MADE SUCH THAT EXISTING PARTITION'S FIRE, ACOUSTIC, RF, AND/OR FORCE PROTECTION RATINGS ARE MAINTAINED.
5. RETURN EQUIPMENT IDENTIFIED TO BE SALVAGED TO THE COR.
6. SAFEGUARD EXISTING TO REMAIN EQUIPMENT, DEVICES, WIRING, CONDUIT,AND RELATED ITEMS FROM DAMAGE OR SERVICE INTERRUPTION. IF DEEMED NECESSARY TO RELOCATE COMPONENTS, TEMPORARILY OR OTHERWISE, ACQUIRE APPROVAL FROM THE COR PRIOR TO SUCH ACTION.
7. WHEN DEMOLISHING DEVICES AND EQUIPMENT, REMOVE ASSOCIATED WIRING, CONDUIT, BOXES, HANGERS, AND APPURTENANCES BACK TO THE SOURCE, UNLESS OTHERWISE NOTED. LABEL CIRCUIT BREAKERS NO LONGER IN USE AS "SPARE" AND SWITCH TO THE OFF POSITION. MAINTAIN SERVICE AND CIRCUIT CONTINUITY TO REMAINING DEVICES AND EQUIPMENT WITHIN AND OUTSIDE THE AREA OF WORK THROUGHOUT THE DURATION OF WORK. PROVIDE TEMPORARY POWER TO SUPPORT EXISTING TO REMAIN CIRCUITS, AS REQUIRED TO MINIMIZE OUTAGES. INSTALL TEMPORARY SOURCES PRIOR TO DE-ENERGIZATION OF EQUIPMENT OR DEVICES SCHEDULED FOR DEMOLITION.
8. WHERE CONDUIT AND BOXES ARE CONCEALED IN INACCESSIBLE FINISHES, OR IN SURFACES NOT OTHERWISE AFFECTED BY THE WORK, THEY MAY BE ABANDONED IN PLACE AFTER THE DEVICES AND WIRING HAVE BEEN DEMOLISHED. CUT EMBEDDED CONDUIT 12-INCHES FROM THE SURFACE, CAP, AND LABEL AS "EMPTY". PROVIDE COVER PLATES ON ABANDONED BOXES.
9. VERIFY CIRCUITS SERVING EQUIPMENT TO BE DEMOLISHED OR RELOCATED PRIOR TO BEGINNING WORK.

MOUNTING HEIGHT SCHEDULE

DEVICES/EQUIPMENT	MOUNTING HEIGHT (AFF)	MEASURED TO:
RECEPTACLES	AS INDICATED ON LEGEND/PLANS	CENTER
TOGGLE SWITCHES	4'-0"	CENTER
WALL DIMMERS	4'-0"	CENTER
MANUAL MOTOR STARTERS	4'-0"	CENTER
OCCUPANCY SENSORS - WALL MOUNTED	4'-0"	CENTER
LIGHTING CONTROL PANEL	6'-6"	TOP
LIGHTING CONTROL STATION	4'-0"	CENTER
JUNCTION BOXES	AS INDICATED ON LEGEND/PLANS	CENTER
MONITORING/CONTROL PANEL	5'-0"	TOP
SURFACE METAL RACEWAYS	AS INDICATED ON LEGEND/PLANS	TOP
PANELBOARDS	6'-6"	TOP
DISCONNECT SWITCHES	5'-0"	TOP
AUTOMATIC TRANSFER SWITCHES	6'-6"	TOP
MANUAL TRANSFER SWITCHES	6'-6"	TOP
CONTROL STATIONS	6'-6"	TOP
MAGNETIC MOTOR CONTROLLERS	6'-6"	TOP
LIGHTING CONTACTORS ENCLOSURES	6'-6"	TOP
INDIVIDUAL CKT BREAKERS ENCLOSURES	6'-6"	TOP
EMERGENCY POWER OFF SWITCHES	5'-6"	CENTER
TIME SWITCHES	6'-6"	TOP
GROUND FAULT CIRCUIT INTERRUPTER	4'-0"	CENTER
GROUND BUS BARS	2'-0"	CENTER
GENERATOR REMOTE ALARM ANNUNCIATOR	5'-0"	TOP
GENERATOR STOP SWITCH	5'-6"	CENTER

MOUNTING HEIGHT SCHEDULE NOTES:

1. USE ABOVE INDICATED MOUNTING HEIGHTS UNLESS INDICATED OTHER WISE ON DRAWINGS OR SPECIFICATIONS.
2. COORDINATE MOUNTING HEIGHTS WITH FIELD CONDITIONS, OTHER TRADES, AND RELATED EQUIPMENT.
3. REDUCE MOUNTING HEIGHTS OF FIRE ALARM VISUAL AND AUDIO/VISUAL ALARMS WHERE REQUIRED TO MAINTAIN 6" MINIMUM SPACING FROM CEILING.

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COMMONWEALTH OF VIRGINIA
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Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

GENERAL NOTES

WARRENTON — DCCA ADM — VA

DCCA ADM
WARRENTON, VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E003 REV.

PLOT DATE/TIME: 4/22/2022 10:32:23 AM

ABBREVIATIONS

ABBREV.	DESCRIPTION
Δ	DELTA
1/C	SINGLE CONDUCTOR CABLE
2S1W	TWO SPEED, ONE WINDING
2S2W	TWO SPEED, TWO WINDING
3/C	THREE CONDUCTOR CABLE
3PDT	THREE POLE-DOUBLE THROW
3PST	THREE POLE-SINGLE THROW
A, AMP	AMMETER, AMPERE
AA	AMBIENT AIR
ABBREV	ABBREVIATION
ABV	ABOVE
AC	ALTERNATING CURRENT
ACT	ABOVE COUNTER TOP
AF	AMP FRAME, CIRCUIT BREAKER FRAME AND TRIP DEVICE SENSOR SIZE (AMPS)
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
AM	AMPERE METER
ANN	ANNUNCIATOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AS	AMMETER SWITCH
ASYM	ASYMMETRICAL
AT	AMP TRIP, TRIP DEVICE RATING PLUG SIZE (AMPS)
ATC	AIR TERMINAL CHAMBER
ATS	AUTOMATIC TRANSFER SWITCH, TRIP DEVICE LONG TIME PICKUP SETTING (AMPS)
ATX	AUTO TRANSFORMER
AVG	AVERAGE
AWG	AMERICAN WIRE GAUGE
B.O.C.	BOTTOM OF CONDUIT
B.O.D.	BOTTOM OF DUCT
B.O.P.	BOTTOM OF PIPE
B.O.T.	BOTTOM OF TRAY
BAS	BUILDING AUTOMATION SYSTEM
BATT	BATTERY, BATTERIES
BC	BARE COPPER
BIAX	BIAXIAL
BIL	BASIC IMPULSE LEVEL
BKR	BREAKER
BLDG	BUILDING
*C	CELSIUS
C	CONDUIT, COIL
CAT. NO, CAT	CATALOG
CBM	CERTIFIED BALLAST MANUFACTURER
CCTV	CLOSED CIRCUIT TELEVISION CAMERA
CEG	COMMON EQUIPMENT GROUND
CFM	CUBIC FEET PER MINUTE
CKT	CIRCUIT
CLF	CURRENT LIMITING FUSE
CLO	CLOSET
cm	CENTIMETER
CMS	COMBINATION MOTOR STARTER
CND	CONDUIT
COMPT	COMPARTMENT
CONT	CONTINUOUS, CONTINUED
CPT	CONTROL POWER TRANSFORMER
CPU	CENTRAL PROCESSING UNIT
CRAC	COMPUTER ROOM AIR CONDITIONING UNIT
CRI	COLOR RENDERING INDEX
CS	CONTROL SWITCH
CSA	CANADIAN STANDARDS ASSOCIATION
CSCCN	CENTRAL SCIENTIFIC COMMUNICATIONS NETWORK
CT	CURRENT TRANSFORMER, CABLE TRAY
CU	COPPER, COEFFICIENT OF UTILIZATION
CY	CYCLE(S)
D	DEPTH, DEEP
DB	DUCT BANK
DC	DIRECT CURRENT
DEPT	DEPARTMENT
DESIG	DESIGNATION
DIA	DIAMETER
DISC	DISCONNECT
DIST, DISTRIB	DISTRIBUTION
DIV	DIVISION
DPDT	DOUBLE POLE-DOUBLE THROW
DPST	DOUBLE POLE-SINGLE THROW
DS, DSW	DISCONNECT SWITCH
DWG(S)	DRAWING(S)
(E), EX	EXISTING
E	EMPTY
E.T.	ELECTRONIC TRIP
EC	EMPTY CONDUIT
EF	EACH FACE
EGC	EQUIPMENT GROUNDING CONDUCTOR
EL. ELEV	ELEVATION
ELEC	ELECTRICAL/ELECTRIC
EM, EMER	EMERGENCY
EMER	EMERGENCY
EMH	EXISTING MANHOLE, ELECTRICAL MANHOLE
EMO	EMERGENCY MANUAL OFF
EMS	ENERGY MANAGEMENT SYSTEM
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRICAL NON-METALLIC TUBING
EO	ELECTRICALLY OPERATED
EOL	END-OF-LINE DEVICE

ABBREVIATIONS

ABBREV.	DESCRIPTION
EPP	EXISTING POWER POLE
EPR	ETHYLENE-PROPYLENE RUBBER
EQPT	EQUIPMENT
ES	ENERGY SAVING
ETC	ETCETERA
ETL	ELECTRICAL TESTING LABORATORIES
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXST	EXISTING, EXHAUST
(F)	FUTURE
F	FAHRENHEIT
FA	FORCED AIR, FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS, FURNISHED BY OWNER
FC	FLEXIBLE CONDUIT
FDR	FEEDER
FFE	FINISHED FLOOR ELEVATION
FIXT	FIXTURE
FL	FOOT LAMBERTS
FLR	FLOOR
FLUOR	FLUORESCENT
FREQ	FREQUENCY
FRP	FIBERGLASS-REINFORCED POLYESTER
FT	FOOT
FU	FUSE
FUT	FUTURE
FVNR	FULL VOLTAGE NON-REVERSING
FVR	FULL VOLTAGE REVERSING
FWE	FURNISHED WITH EQUIPMENT, INDICATES ITEM IS FURNISHED WITH EQUIPMENT SUPPLIED UNDER OTHER DIVISIONS, BUT INSTALLED UNDER DIVISION 26.
g	GRAM
G, GND	GROUND
GA	GAUGE
GALV	GALVANIZED
GEC	GROUNDING ELECTRODE CONDUCTOR
GEN	GENERATOR
GFCI	GROUND FAULT EQUIPMENT PROTECTIVE DEVICE
GFE	DENOTES GOVERNMENT FURNISHED EQUIPMENT, CONTRACTOR INSTALLED
GFEPD	GROUND FAULT EQUIPMENT PROTECTIVE DEVICE
GFP	GROUND FAULT PROTECTION
GFR	GROUND FAULT RELAY
GP	GENERAL PURPOSE
H	HEIGHT, HORN
HALOG	HALOGEN
HE	HIGH EXPOSURE
HH	HANDHOLE
HID	HIGH INTENSITY DISCHARGE
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HRG	HIGH RESISTANCE GROUND
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HZ	HERTZ
IAW	IN ACCORDANCE WITH
ICEA	INSULATED CABLE ENGINEERS ASSOCIATION
IDS	INTRUSION DETECTION SYSTEM
IEC	INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
IESCR	INTEGRATED EQUIPMENT SHORT CIRCUIT RATING
IESNA, IES	ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INC, INCAND	INCANDESCENT
INST	INSTRUCTIONS, INSTRUMENT/INSTRUMENTATION
INTER	INTERMEDIATE
J, JB	JUNCTION BOX
*K	DEGREES KELVIN
K	KEY INTERLOCK
KA	KILO-AMPERES
KCM, KCMIL	1000 CIRCULAR MILS
KG	KILO-GRAM
KM	KILO-METER
KV	KILO-VOLTS
KVA	KILO-VOLT AMPERES
KVAC	KILO-VOLT AMPERES CONNECTED
KVAD	KILO-VOLT AMPERES DEMAND
KVAR	KILO-VOLT AMPERES REACTIVE
KW	KILOWATT
KWD	KILOWATT DEMAND
L	LUMEN, LENGTH
LA	LIGHTNING ARRESTER
LAN	LOCAL AREA NETWORK
LB(S)	POUND(S)
LCP	LIGHTING CONTROL PANEL - ZONE
LED('S)	LIGHT EMITTING DIODE(S)
LPF	LOW POWER FACTOR
LRG	LOW RESISTANCE GROUND
LSGM	LONG-TIME/SHORT-TIME TRIP
LSI	LONG-TIME/SHORT-TIME/INSTANTANEOUS TRIP
LSIG	LONG-TIME/SHORT-TIME/INSTANTANEOUS/GROUND FAULT TRIP
LSIGM	LONG-TIME/SHORT-TIME/INSTANTANEOUS/GROUND FAULT TRIP AND METERING
LSIM	LONG-TIME/SHORT-TIME/INSTANTANEOUS TRIP AND METERING
LT	LIQUID TIGHT

ABBREVIATIONS

ABBREV.	DESCRIPTION
LTG	LIGHTING
LTS	LIGHTS
LV	LOW VOLTAGE
LVR	LOW VOLTAGE RELAY
m	METER
M/G	MOTOR/GENERATOR
MAX	MAXIMUM
MC	METAL-CLAD CABLE
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCCB	MOLDED CASE CIRCUIT BREAKER
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MOUNTING HEIGHT, MAN HOLE
MHL	METAL HALIDE LAMP
MI	MINERAL INSULATED
MIN	MINIMUM
MIP	MEDICAL ISOLATION PANEL
MLCP	MAIN LIGHTING CONTROL PANEL
MLO	MAIN LUGS ONLY
mm	MILLIMETER
MO	MECHANICALLY OPERATED, MOTOR OPERATOR
MP	MOTOR PROTECTOR
MS	MASTER SUBSTATION, MOTOR STARTER
MSP	MOTOR STARTER PANEL
MT	MOUNT
MTD	MOUNTED
MTG	MOUNTING
MTTOE	MOUNTED TO TOP OF EQUIPMENT
MV	MEDIUM VOLTAGE
(N)	NEW
N, NEUT	NEUTRAL
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
N.O.L.	NON-OVERLOAD
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO.	NUMBER
NOS	NUMBERS
NPF	NORMAL POWER FACTOR
NPT	NATIONAL PIPE THREAD
NTE	NOT TO EXCEED
NTS	NOT TO SCALE
O.C.	ON CENTER
O.L.	OVERLOAD
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFE	OWNER FURNISHED EQUIPMENT, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OPT	OPTIONAL
P	POLE, POWER
PB	PRIVATE BRANCH EXCHANGE
PBRD	PANELBOARD
PCC	POINT OF COMMON COUPLING
PDP	POWER DISTRIBUTION PANEL
PDU	POWER DISTRIBUTION UNIT
PF	POWER FACTOR
PH	PHASE
PLC	PLUG LOAD CONTROL PANEL
PMCS	POWER MONITORING AND CONTROL SYSTEM
PNL	PANEL
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE
QTY	QUANITY
%R	PERCENT RESISTANCE
(R)	RELOCATE
R	RESISTANCE, RATE, RISE
R/I	RECTIFIER/INVERTER
RCPT	RECEPTACLE
RCR	ROOM CAVITY RATIO
RECP(S)	RECEPTACLE(S)
REQD	REQUIRED
REQMTS	REQUIREMENTS
RFI	RADIO FREQUENCY INTERFERENCE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
RMS	ROOT MEAN SQUARE
RQD	REQUIRED
RVAT	REDUCED VOLTAGE AUTOTRANSFORMER
RVNR	REDUCED VOLTAGE NON-REVERSING
RVR	REDUCED VOLTAGE REVERSING
S	SPEAKER
S.C.	SHORT CIRCUIT
S/MH	SPACING TO MOUNTING HEIGHT RATIO
SCHED	SCHEDULE
SE	SERVICE ENTRANCE
SEC	SECONDS
SECT	SECTION
SES	SERVICE ENTRANCE SUBSATATION
SHLD	SHIELDED, SHIELD
SKVA	STARTING KILO-VOLT AMPERES
SM	SOLID NEUTRAL
SN	SHARED NEUTRAL
SP	SPARE

ABBREVIATIONS

ABBREV.	DESCRIPTION
SPD	SURGE PROTECTIVE DEVICE
SPDT	SINGLE POLE-DOUBLE THROW
SPST	SINGLE POLE-SINGLE THROW
SQ	SQUARE
SS	STAINLESS STEEL
SSBJ	SUPPLY-SIDE BONDING JUMPER
SSL	SOLID STATE LIGHT
SSM	SOLID STATE METERING
SST	SOLID STATE TRIP
ST	SHUNT TRIP
STA	STATION
STD	STANDARD
STP	SHIELDED TWISTED PAIR
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYM	SYMMETRICAL
SYNC	SYNCHRONIZER
T&B	TOP AND BOTTOM
T, TX	TRANSFORMER
T.O.C.	TOP OF CONDUIT
TB	TERMINAL BLOCK
TBD	TO BE DETERMINED
TDR	TIME DELAY RELAY
TEL	TELEPHONE
TEL CAB	TELEPHONE CABINET
TJB	TERMINAL JUNCTION BOX
TP	TRANSFORMER PROTECTION
TSTAT	THERMOSTAT
TYP, (TYP)	TYPICAL
UDS	UNITIZED DISTRIBUTION SUBSTATION
UG, UGND	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS' LABORATORIES
UNO, UON	UNLESS NOTED OTHERWISE, UNLESS OTHERISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
UV	ULTRAVIOLET
V	VOLT, VOLTS, VOLTMETER
VA	VOLT-AMPERE
VAC	VOLTS ALTERNATING CURRENT
VAR	VOLT AMPERE REACTIVE
VDC	VOLTS DIRECT CURRENT
VERT	VERTICAL
VESDA	VERY EARLY SMOKE DETECTION
VFD	VARIABLE FREQUENCY DRIVE
VM	VOLT METER
VPE	VACUUM PRESSURE ENCAPSULATED
VPI	VACUUM PRESSURE IMPREGNATED
VS	VOLTMETER SWITCH
VSD	VARIABLE SPEED DRIVE
VT	VOLTAGE TRANSFORMER
W	WATT(S), WIRE, WIDTH
W/	WITH
W/O	WITHOUT
WG	WATER GAGE
WHD	WATTHOUR DEMAND METER
WP	WEATHERPROOF
%X	PERCENT REACTANCE
X	REACTANCE
XFMR	TRANSFORMER
XLP	CROSS-LINK POLYETHYLENE INSULATION
Y	WYE-CONNECTED
%Z	PERCENT IMPEDANCE
Z	IMPEDANCE

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ELECTRICAL ABBREVIATIONS

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
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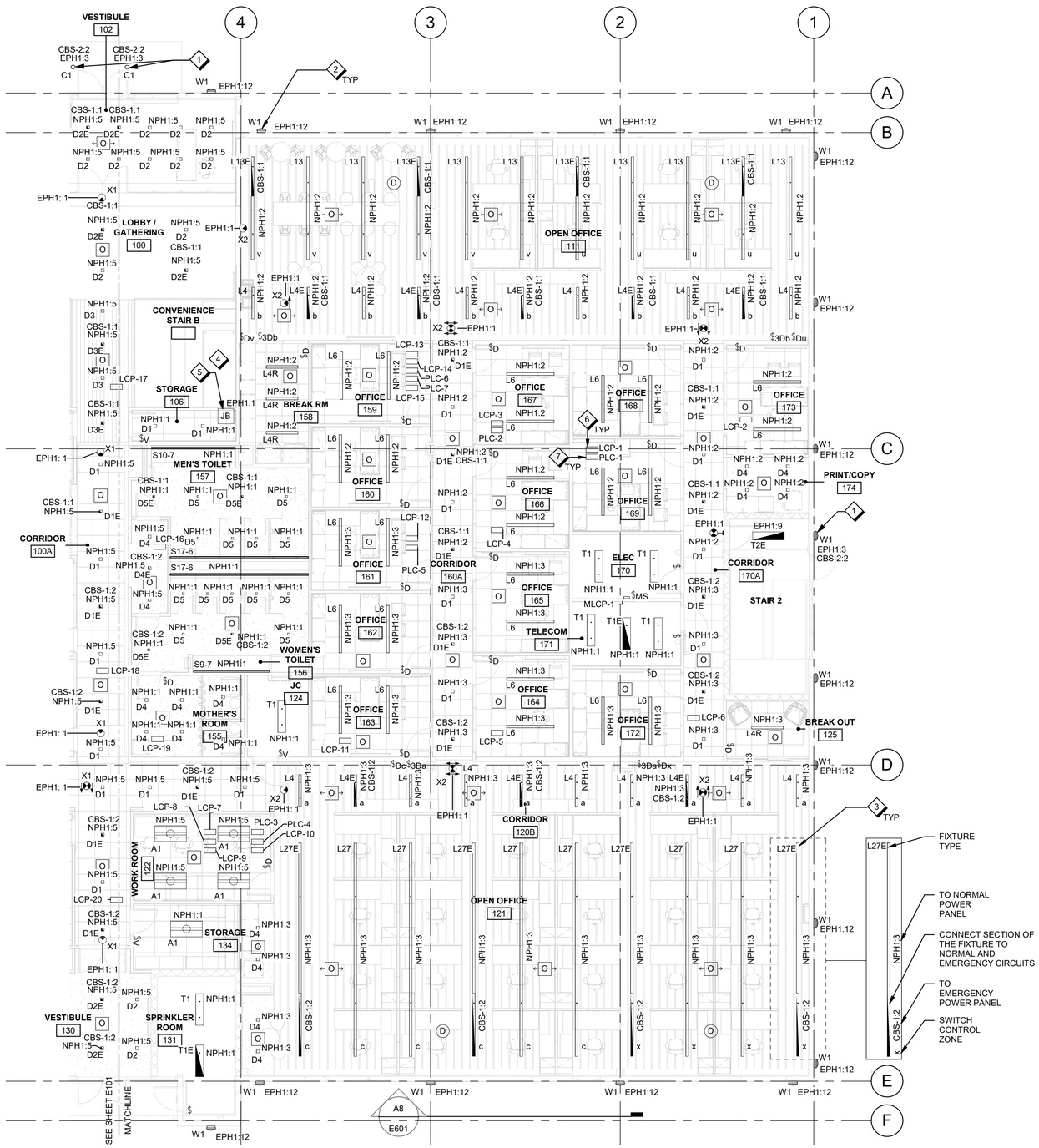

A8 FIRST FLOOR LIGHTING PLAN - PART 1

E100 1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E001 AND E002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. REFER TO ARCHITECTURAL FOR DIMENSIONAL INFORMATION, CEILING TYPES AND ROOM FINISHES.

C. REFER TO LIGHTING FIXTURE SCHEDULE, DRAWING E550 AND E551, FOR FIXTURE TYPE AND SPACE CONTROL SEQUENCE OF OPERATION.

D. FOR EMERGENCY EGRESS LIGHTING FIXTURES,THE EMERGENCY DRIVER SHALL BE CONNECTED TO THE UNSWITCHED PORTION OF THE BRANCH CIRCUIT AHEAD OF LOCAL SWITCH CONTROLS. EMERGENCY DRIVER TO ILLUMINATE FIXTURE UPON LOSS OF POWER INDEPENDENT OF LOCAL SWITCH CONTROLS.

SHEET NOTES

1. REFER TO DETAIL D6/E605 FOR EXTERIOR EMERGENCY LIGHTING CONNECTION DIAGRAM.
2. REFER TO DRAWING E605 FOR EXTERIOR LIGHTING CONTROLS ZONE SCHEDULE AND WIRING DIAGRAM.
3. REFER TO DETAIL D3/E605 FOR INTERIOR EMERGENCY LIGHTING CONNECTION DIAGRAM.
4. REFER TO DRAWING A6/E605 FOR MAIN LOBBY STAIR LIGHTING ISOMETRIC VIEW.
5. POWER SUPPLY TO FEED STAIRWELL S1 TYPE FIXTURE. CIRCUIT TO THE NEAREST EXIT SIGN CIRCUITRY.
6. LIGHTING CONTROL PANEL ABOVE THE CEILING. REFER TO LIGHTING CONTROLS DIAGRAM DRAWINGS FOR WIRING AND CIRCUITRY.
7. PLUG LOAD CONTROL PANEL ABOVE THE CEILING. REFER TO LIGHTING CONTROLS DIAGRAM DRAWINGS FOR WIRING AND CIRCUITRY.

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR LIGHTING RCP - PART 1

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
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DATE 03/11/2022 JCN: 21001763
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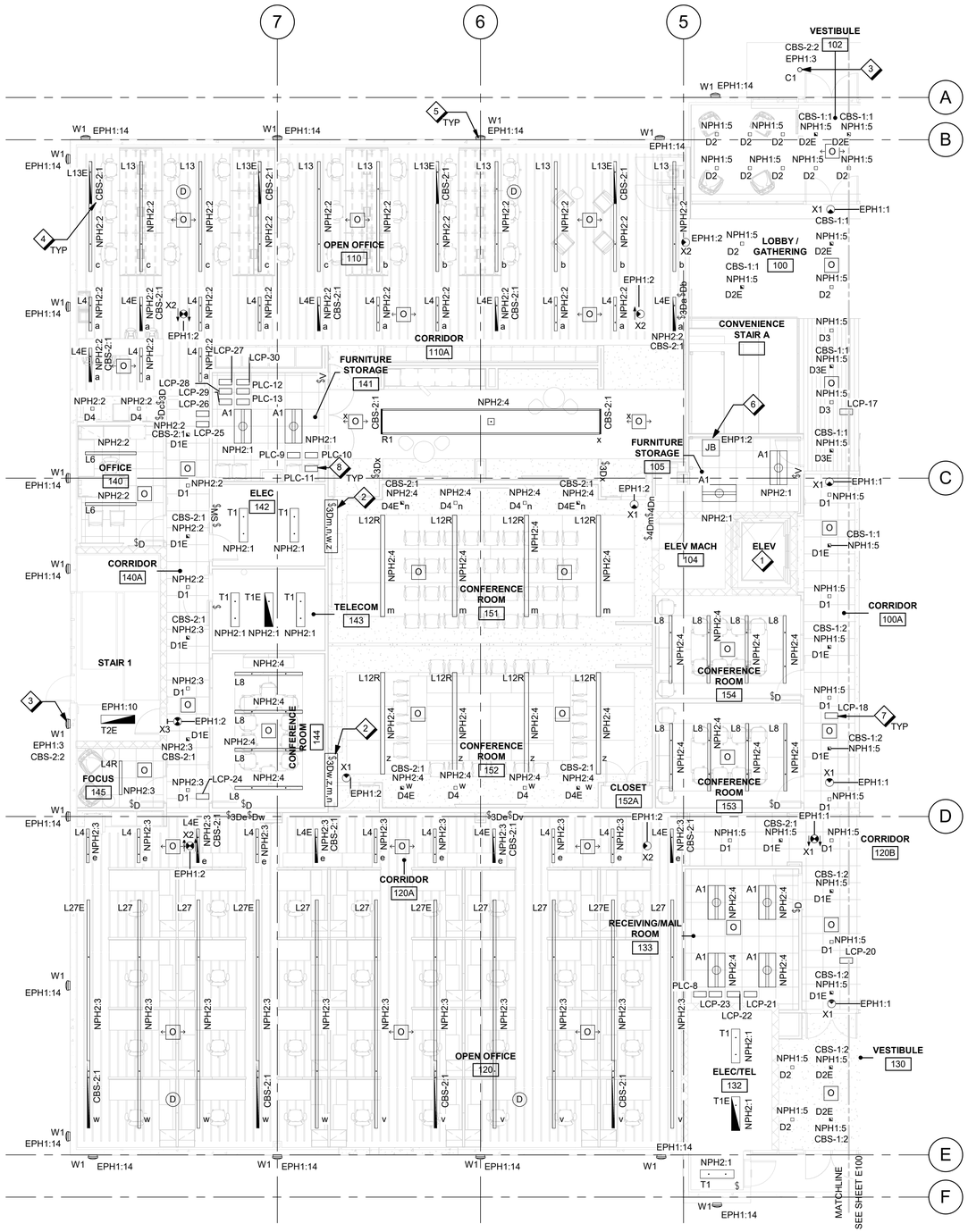

A8 FIRST FLOOR LIGHTING PLAN - PART 2

E101

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E001 AND E002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. REFER TO ARCHITECTURAL FOR DIMENSIONAL INFORMATION, CEILING TYPES AND ROOM FINISHES.

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D. FOR EMERGENCY EGRESS LIGHTING FIXTURES,THE EMERGENCY DRIVER SHALL BE CONNECTED TO THE UNSWITCHED PORTION OF THE BRANCH CIRCUIT AHEAD OF LOCAL SWITCH CONTROLS. EMERGENCY DRIVER TO ILLUMINATE FIXTURE UPON LOSS OF POWER INDEPENDENT OF LOCAL SWITCH CONTROLS.

SHEET NOTES

1. RECIRCUIT ALL THE EXISTING LIGHTING FIXTURES AND DEVICES TO NPL2-1. REFER TO ELEVATOR WIRING DETAIL A8/E605.
2. PROVIDE MASTER WALL CONTROL STATION, REFER TO DRAWING E560 FOR ADDITIONAL SWITCH DETAIL INFORMATION.
3. REFER TO DETAIL D6/E605 FOR EXTERIOR EMERGENCY LIGHTING CONNECTION DIAGRAM.
4. REFER TO DETAIL D3/E605 FOR INTERIOR EMERGENCY LIGHTING CONNECTION DIAGRAM.
5. REFER TO DRAWING E605 FOR EXTERIOR LIGHTING CONTROLS ZONE SCHEDULE AND WIRING DIAGRAM.
6. POWER SUPPLY TO FEED STAIRWELL S1 TYPE FIXTURE. CIRCUIT TO THE NEAREST EXIT SIGN CIRCUITRY.
7. LIGHTING CONTROL PANEL ABOVE THE CEILING. REFER TO LIGHTING CONTROLS DIAGRAM DRAWINGS FOR WIRING AND CIRCUITRY.
8. PLUG LOAD CONTROL PANEL ABOVE THE CEILING. REFER TO LIGHTING CONTROLS DIAGRAM DRAWINGS FOR WIRING AND CIRCUITRY.

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DCCA ADM
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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR LIGHTING RCP - PART 2

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY: M. BECKER
DRAWN BY: D. RUSTAMOVA
CHECKED BY: J. KOROULAKIS
ISSUED BY: ENGINEERING SERVICES TERMINAL
DATE: 03/11/2022
JCN: 21001763
DRAWING NO.: DCCA - D - ADM - E101
REV.

PLOT DATE/TIME: 4/22/2022 10:32:52 AM

A8 SECOND FLOOR LIGHTING PLAN - PART 1

E102

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E001 AND E002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. REFER TO ARCHITECTURAL FOR DIMENSIONAL INFORMATION, CEILING TYPES AND ROOM FINISHES.

C. REFER TO LIGHTING FIXTURE SCHEDULE, DRAWING E550 AND E551, FOR FIXTURE TYPE AND SPACE CONTROL SEQUENCE OF OPERATION.

D. FOR EMERGENCY EGRESS LIGHTING FIXTURES,THE EMERGENCY DRIVER SHALL BE CONNECTED TO THE UNSWITCHED PORTION OF THE BRANCH CIRCUIT AHEAD OF LOCAL SWITCH CONTROLS. EMERGENCY DRIVER TO ILLUMINATE FIXTURE UPON LOSS OF POWER INDEPENDENT OF LOCAL SWITCH CONTROLS.

SHEET NOTES

1 REFER TO DETAIL D3/E605 FOR INTERIOR EMERGENCY LIGHTING CONNECTION DIAGRAM.

2 REFER TO DETAIL D6/E605 FOR EXTERIOR EMERGENCY LIGHTING CONNECTION DIAGRAM.

3 LIGHTING CONTROL PANEL ABOVE THE CEILING. REFER TO LIGHTING CONTROLS DIAGRAM DRAWINGS FOR WIRING AND CIRCUITRY.

4 PLUG LOAD CONTROL PANEL ABOVE THE CEILING. REFER TO LIGHTING CONTROLS DIAGRAM DRAWINGS FOR WIRING AND CIRCUITRY.

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WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR LIGHTING RCP - PART 1

WARRENTON — DCCA ADM — VA

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DESIGNED BY: M. BECKER
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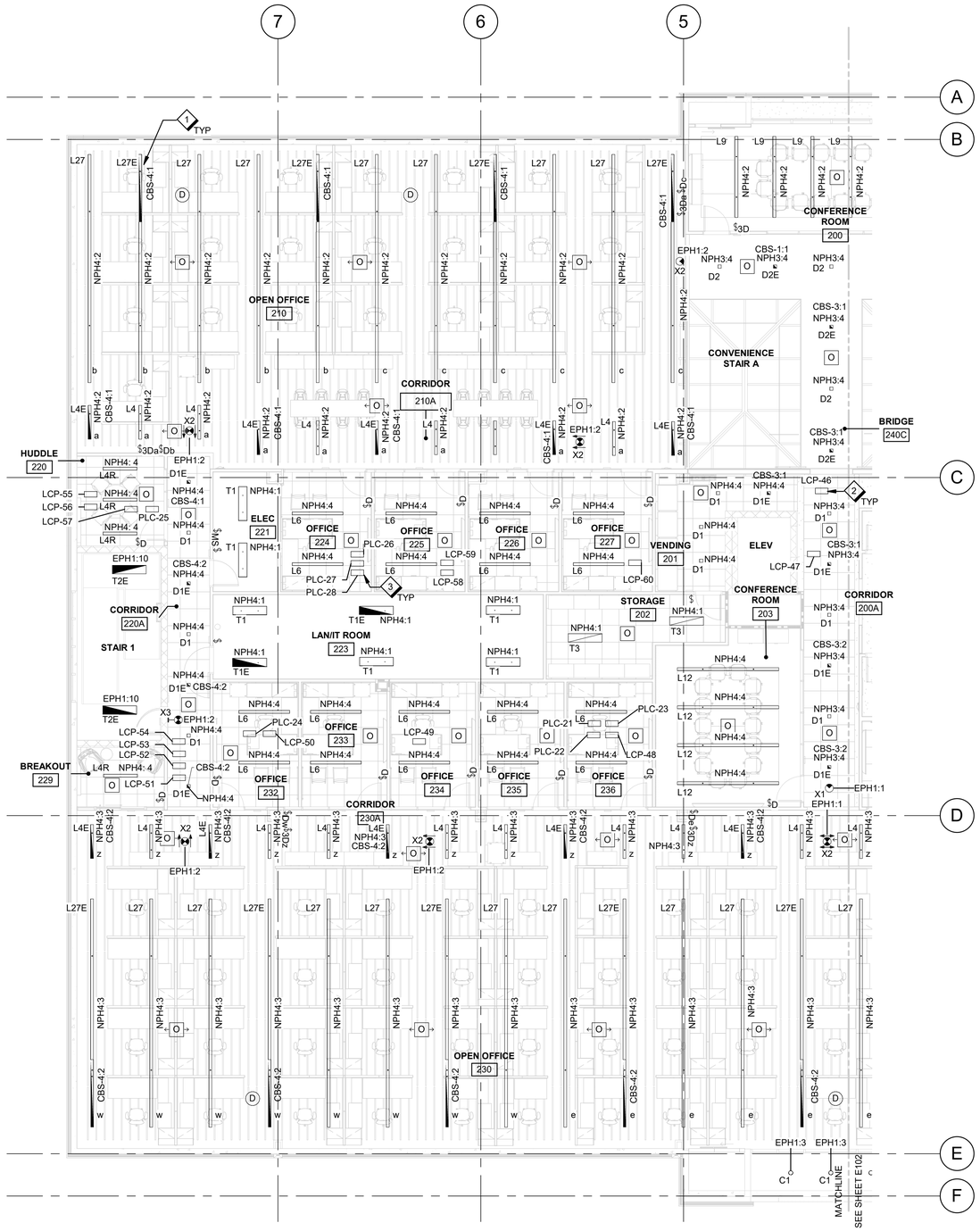
ISSUED BY: ENGINEERING SERVICES TERMINAL
DATE: 03/11/2022
JCN: 21001763
DRAWING NO.: DCCA - D - ADM - E102
REV.

PLOT DATE/TIME: 4/22/2022 10:33:04 AM



A8 SECOND FLOOR LIGHTING PLAN - PART 2

E103

1/8" = 1'-0"

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

N

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E001 AND E002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. REFER TO ARCHITECTURAL FOR DIMENSIONAL INFORMATION, CEILING TYPES AND ROOM FINISHES.

C. REFER TO LIGHTING FIXTURE SCHEDULE, DRAWING E550 AND E551, FOR FIXTURE TYPE AND SPACE CONTROL SEQUENCE OF OPERATION.

D. FOR EMERGENCY EGRESS LIGHTING FIXTURES,THE EMERGENCY DRIVER SHALL BE CONNECTED TO THE UNSWITCHED PORTION OF THE BRANCH CIRCUIT AHEAD OF LOCAL SWITCH CONTROLS. EMERGENCY DRIVER TO ILLUMINATE FIXTURE UPON LOSS OF POWER INDEPENDENT OF LOCAL SWITCH CONTROLS.

SHEET NOTES

1 REFER TO DETAIL D3/E605 FOR INTERIOR EMERGENCY LIGHTING CONNECTION DIAGRAM.

2 LIGHTING CONTROL PANEL ABOVE THE CEILING. REFER TO LIGHTING CONTROLS DIAGRAM DRAWINGS FOR WIRING AND CIRCUITRY.

3 PLUG LOAD CONTROL PANEL ABOVE THE CEILING. REFER TO LIGHTING CONTROLS DIAGRAM DRAWINGS FOR WIRING AND CIRCUITRY.

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WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR LIGHTING RCP - PART 2

WARRENTON — DCCA ADM — VA

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	SUBMITTER'S TITLE	APPROVER'S TITLE

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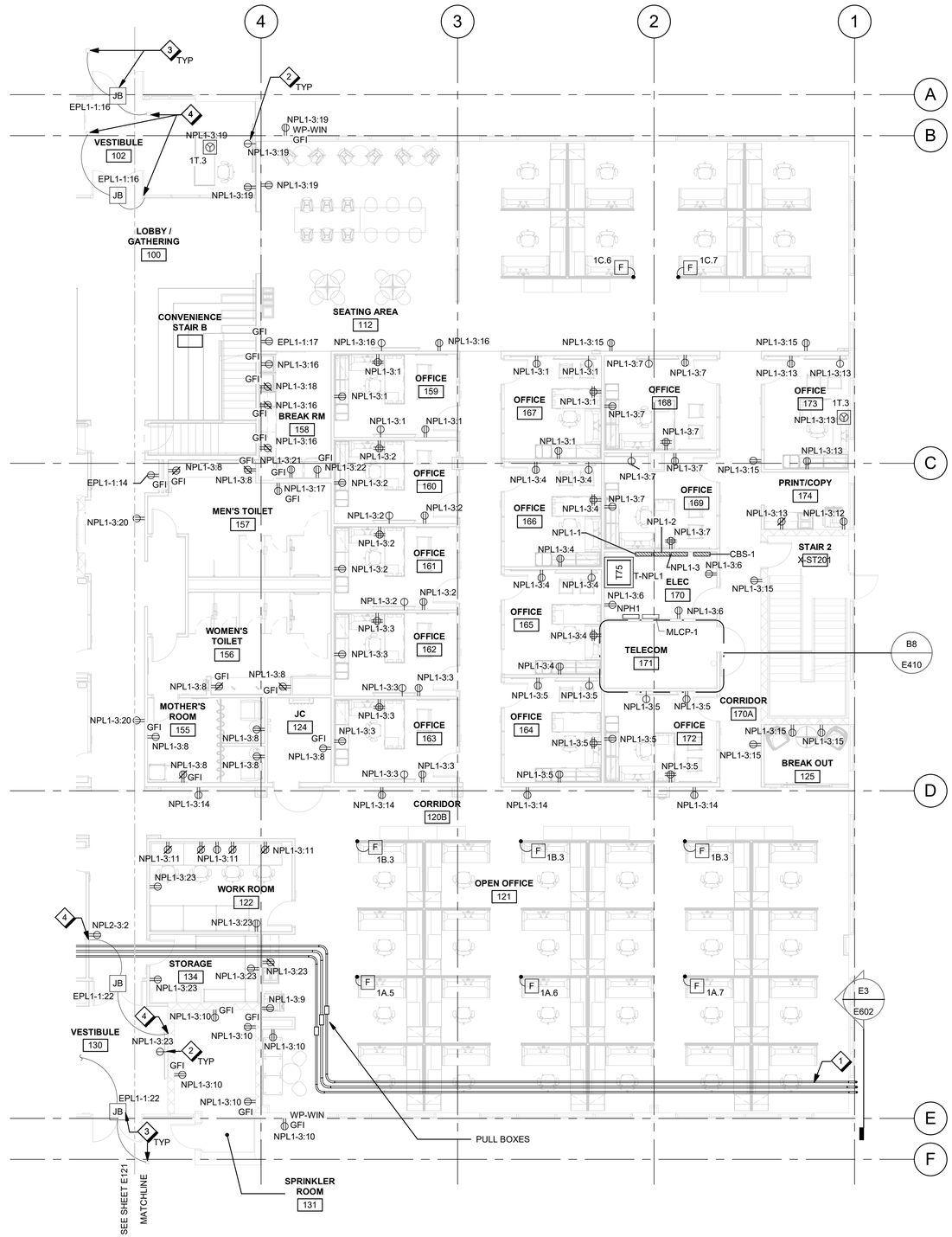
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763

DRAWING NO. DCCA - D - ADM - E103 REV.

PLOT DATE/TIME: 4/22/2022 10:33:15 AM



A8 FIRST FLOOR POWER PLAN - PART 1

E120 1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E001 AND E002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. MAINTAIN CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION OR PROVIDE TEMPORARY POWER IN AREAS WHERE NECESSARY.

C. COORDINATE LOCATION OF OUTLETS AND DEVICES WITH CASEWORK, FURNITURE, AND PARTITION ELEVATIONS. REFER TO ARCHITECTURAL AND INTERIOR ELEVATIONS, DETAILS, AND MOUNTING INSTALLATION INFORMATION. NOTIFY CONTRACTING OFFICER OF ANY DISCREPANCIES BEFORE INSTALLATION OF ANY CONDUIT, OUTLET BOXES, AND/OR SUPPORTING HARDWARE.

D. REFER TO SHEET E512 FOR FURNITURE CIRCUIT SCHEDULE.

SHEET NOTES

1. CONDUIT PATH RUNS FROM EXTERIOR GENERATOR TO ATS, EDPH, AND GDP SHOWN FOR REFERENCE ONLY. FIELD VERIFY PATHWAY PRIOR TO NEW WORK.
2. REFER TO TELECOM AV ELEVATION DRAWINGS FOR DEVICE MOUNTING INFORMATION.
3. REFER TO ARCHITECTURAL DETAIL A8/A615. AND ELECTRICAL WIRING DETAIL C3/E600.
4. REFER TO ARCHITECTURAL/TELECOM DRAWINGS FOR DOOR OPERATOR PUSH PLATE MOUNTING HEIGHTS, LOCATIONS, AND SYSTEM REQUIREMENTS.

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WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR POWER PLAN - PART 1

WARRENTON — DCCA ADM — VA

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SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

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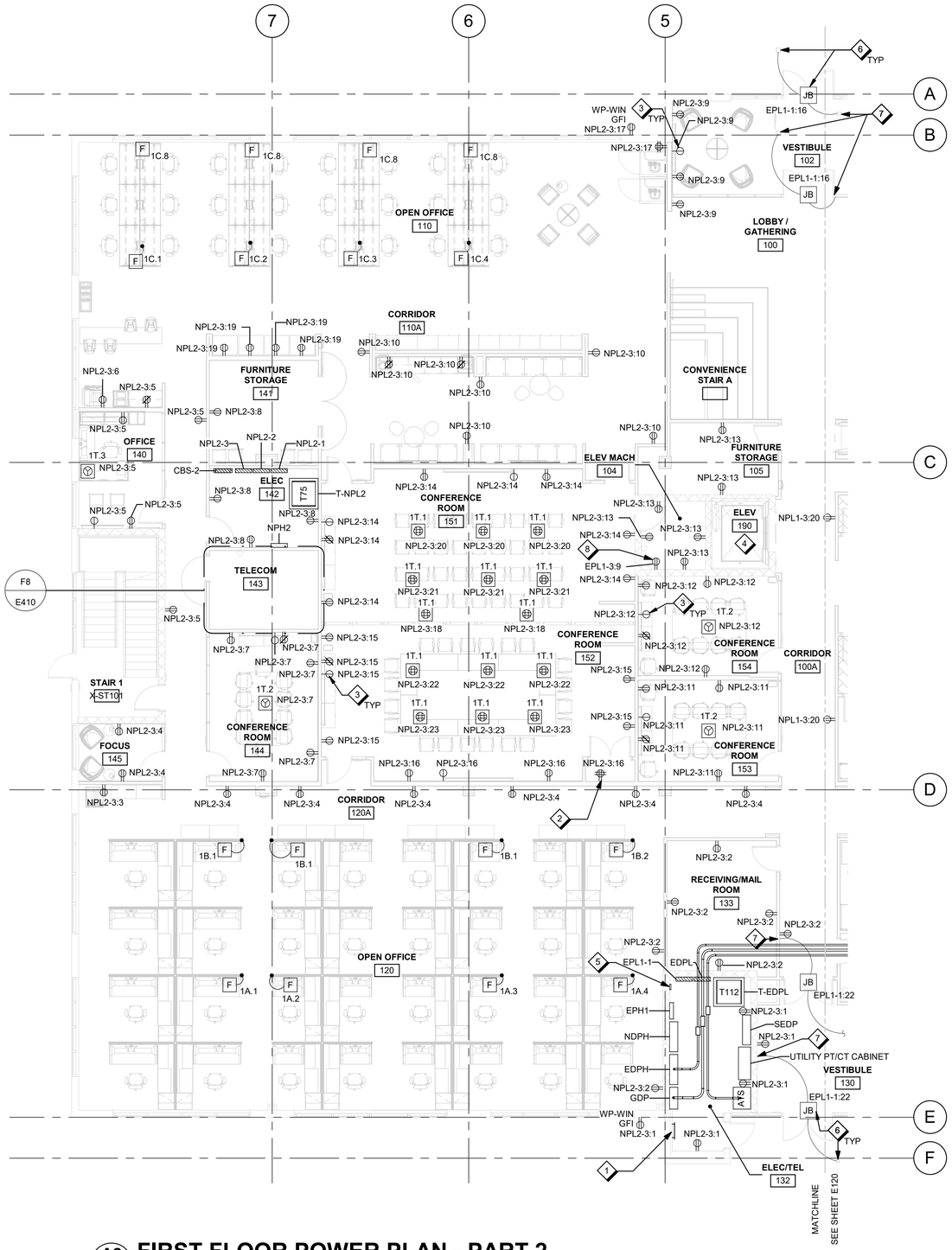
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E120
REV.

PLOT DATE/TIME: 4/22/2022 10:33:21 AM



A8 FIRST FLOOR POWER PLAN - PART 2

E121

1/8" = 1'-0"

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

N

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E001 AND E002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. MAINTAIN CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION OR PROVIDE TEMPORARY POWER IN AREAS WHERE NECESSARY.

C. COORDINATE LOCATION OF OUTLETS AND DEVICES WITH CASEWORK, FURNITURE, AND PARTITION ELEVATIONS. REFER TO ARCHITECTURAL AND INTERIOR ELEVATIONS, DETAILS, AND MOUNTING INSTALLATION INFORMATION. NOTIFY CONTRACTING OFFICER OF ANY DISCREPANCIES BEFORE INSTALLATION OF ANY CONDUIT, OUTLET BOXES, AND/OR SUPPORTING HARDWARE.

D. REFER TO SHEET E512 FOR FURNITURE CIRCUIT SCHEDULE.

SHEET NOTES

1 PROVIDE MAIN GROUND PLATE.

2 PROVIDE RECEPTACLE FOR AV CABINET.

3 REFER TO TELECOM AV ELEVATION DRAWINGS FOR DEVICE MOUNTING INFORMATION.

4 REFER TO DETAIL A8/E605 FOR EXISTING ELEVATOR EQUIPMENT RECONNECTION DIAGRAM.

5 REFER TO DRAWING E605 FOR EXTERIOR LIGHTING CONTROLS ZONE SCHEDULE AND WIRING DIAGRAM.

6 REFER TO ARCHITECTURAL DETAIL A8/A615. AND ELECTRICAL WIRING DETAIL C3/E600.

7 REFER TO ARCHITECTURAL/TELECOM DRAWINGS FOR DOOR OPERATOR PUSH PLATE MOUNTING HEIGHTS, LOCATIONS, AND SYSTEM REQUIREMENTS.

8 PROVIDE DEDICATED RECEPTACLE FOR SUMP PUMP SP-1.

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WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR POWER PLAN - PART 2

WARRENTON — DCCA ADM — VA

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	SUBMITTER'S TITLE	APPROVER'S TITLE

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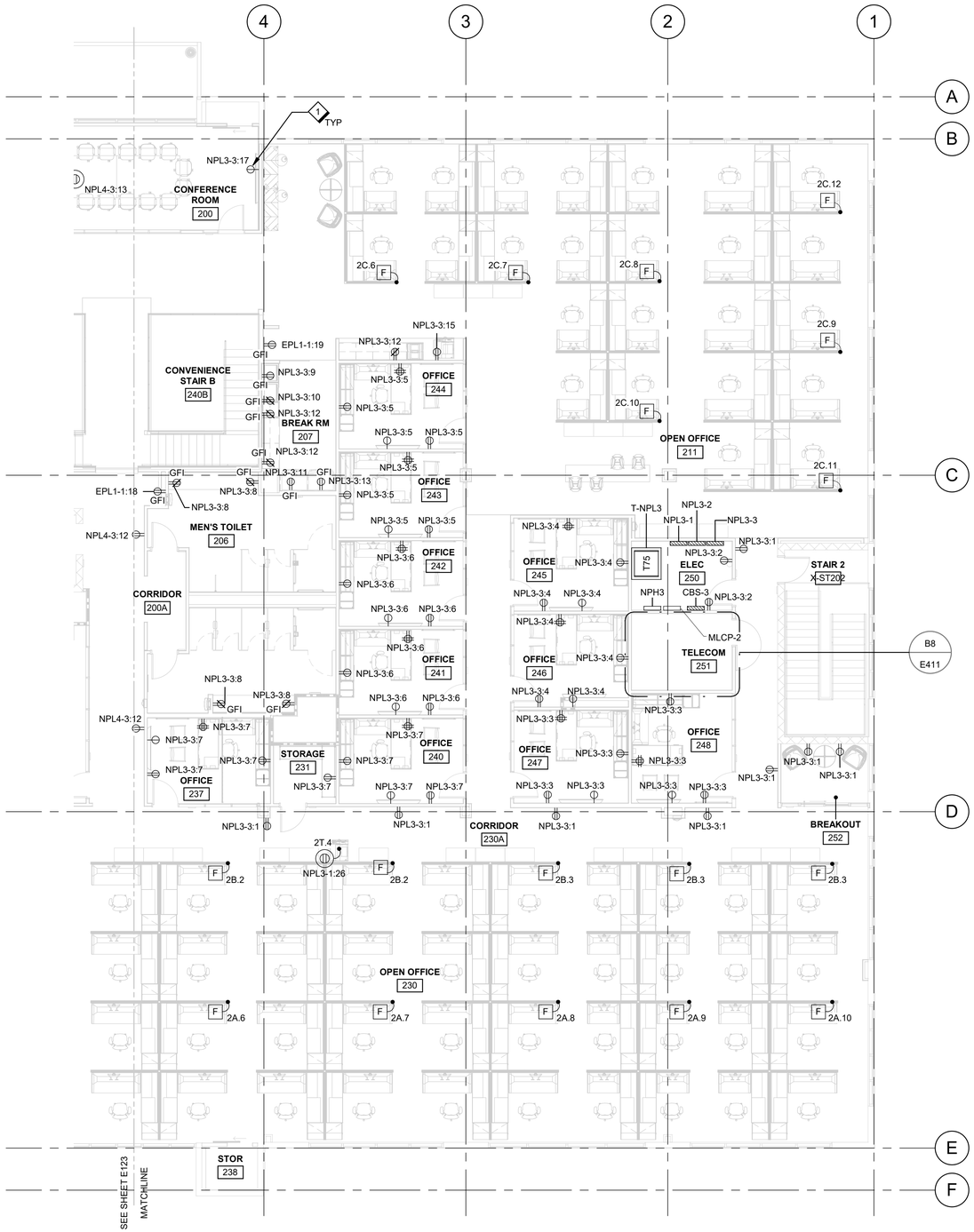
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E121
REV.

PLOT DATE/TIME: 4/22/2022 10:33:27 AM



A8 SECOND FLOOR POWER PLAN - PART 1

E122 1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E001 AND E002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. MAINTAIN CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION OR PROVIDE TEMPORARY POWER IN AREAS WHERE NECESSARY.

C. COORDINATE LOCATION OF OUTLETS AND DEVICES WITH CASEWORK, FURNITURE, AND PARTITION ELEVATIONS. REFER TO ARCHITECTURAL AND INTERIOR ELEVATIONS, DETAILS, AND MOUNTING INSTALLATION INFORMATION. NOTIFY CONTRACTING OFFICER OF ANY DISCREPANCIES BEFORE INSTALLATION OF ANY CONDUIT, OUTLET BOXES, AND/OR SUPPORTING HARDWARE.

D. REFER TO SHEET E512 FOR FURNITURE CIRCUIT SCHEDULE.

SHEET NOTES

1 REFER TO TELECOM AV ELEVATION DRAWINGS FOR DEVICE MOUNTING INFORMATION.

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR POWER PLAN - PART 1

WARRENTON — DCCA ADM — VA

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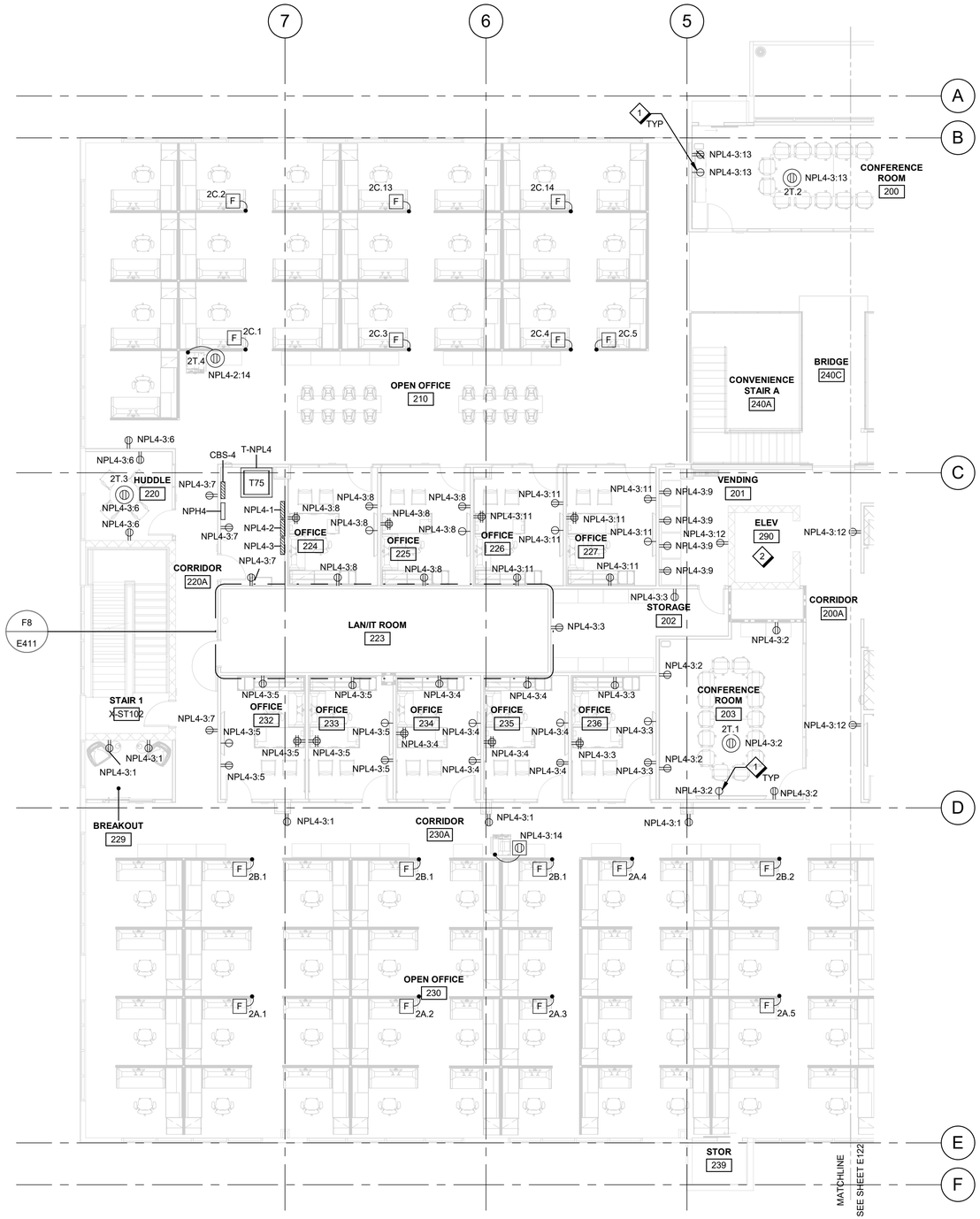
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E122 REV.

PLOT DATE/TIME: 4/22/2022 10:33:33 AM



A8 SECOND FLOOR POWER PLAN - PART 2

E123

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E001 AND E002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. MAINTAIN CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION OR PROVIDE TEMPORARY POWER IN AREAS WHERE NECESSARY.

C. COORDINATE LOCATION OF OUTLETS AND DEVICES WITH CASEWORK, FURNITURE, AND PARTITION ELEVATIONS. REFER TO ARCHITECTURAL AND INTERIOR ELEVATIONS, DETAILS, AND MOUNTING INSTALLATION INFORMATION. NOTIFY CONTRACTING OFFICER OF ANY DISCREPANCIES BEFORE INSTALLATION OF ANY CONDUIT, OUTLET BOXES, AND/OR SUPPORTING HARDWARE.

D. REFER TO SHEET E512 FOR FURNITURE CIRCUIT SCHEDULE.

SHEET NOTES

1 REFER TO TELECOM AV ELEVATION DRAWINGS FOR DEVICE MOUNTING INFORMATION.

2 REFER TO DETAIL A8/E605 FOR EXISTING ELEVATOR EQUIPMENT RECONNECTION DIAGRAM.

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SECOND FLOOR POWER PLAN - PART 2

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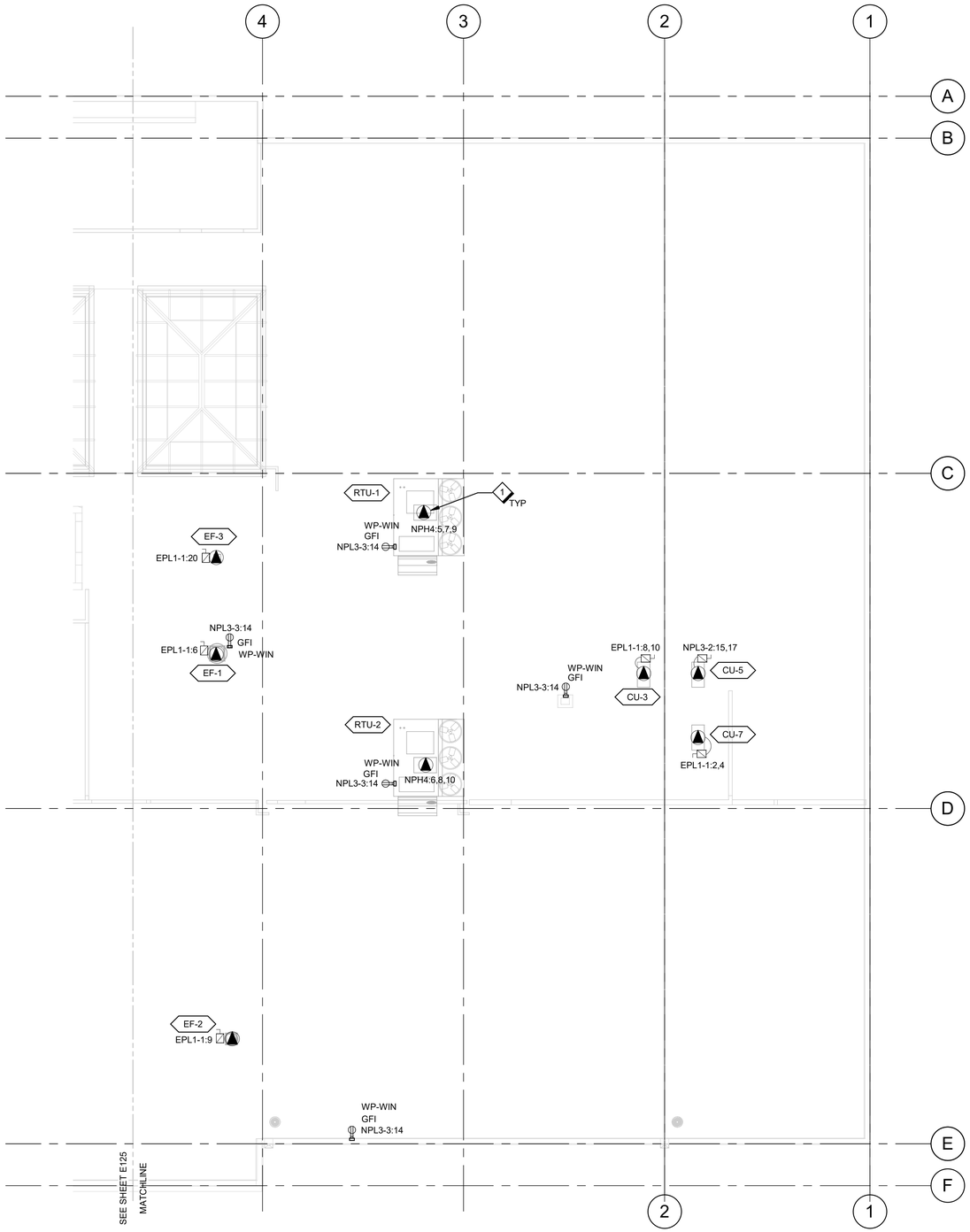
PLOT DATE/TIME: 4/22/2022 10:33:38 AM



A8 E124 **ROOF POWER PLAN - PART 1**

1/8" = 1'-0"

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

N

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. REFER TO DRAWING E-510 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.

C. MAINTAIN CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION OR PROVIDE TEMPORARY POWER IN AREAS WHERE NECESSARY.

SHEET NOTES

1 PROVIDE POWER CONNECTION TO MECHANICAL EQUIPMENT.

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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ROOF POWER PLAN - PART 1

WARRENTON — DCCA ADM — VA

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	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY M. BECKER
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ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022
JCN: 21001763
DRAWING NO. DCCA - D - ADM - E124
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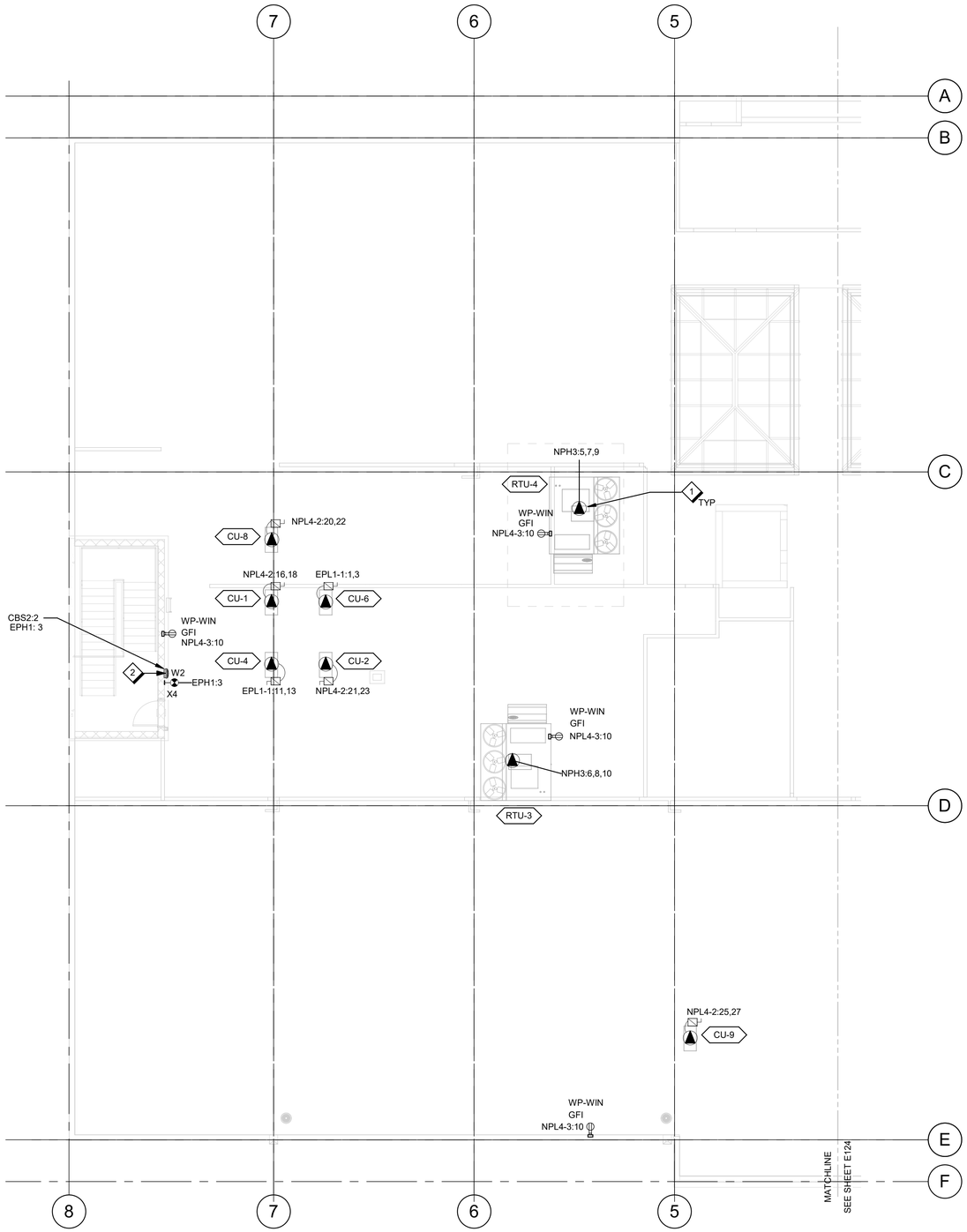
PLOT DATE/TIME: 4/22/2022 10:33:42 AM



A8 E125 **ROOF POWER PLAN - PART 2**

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. REFER TO DRAWING E-510 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.

C. MAINTAIN CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION OR PROVIDE TEMPORARY POWER IN AREAS WHERE NECESSARY.

SHEET NOTES

1 PROVIDE POWER CONNECTION TO MECHANICAL EQUIPMENT.

2 REFER TO DETAIL D6/E605 FOR EXTERIOR EMERGENCY LIGHTING CONNECTION DIAGRAM.

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WARRENTON ADMINISTRATIVE BUILDING

ROOF POWER PLAN - PART 2

WARRENTON — DCCA ADM — VA

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DESIGNED BY M. BECKER
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ISSUED BY ENGINEERING SERVICES TERMINAL

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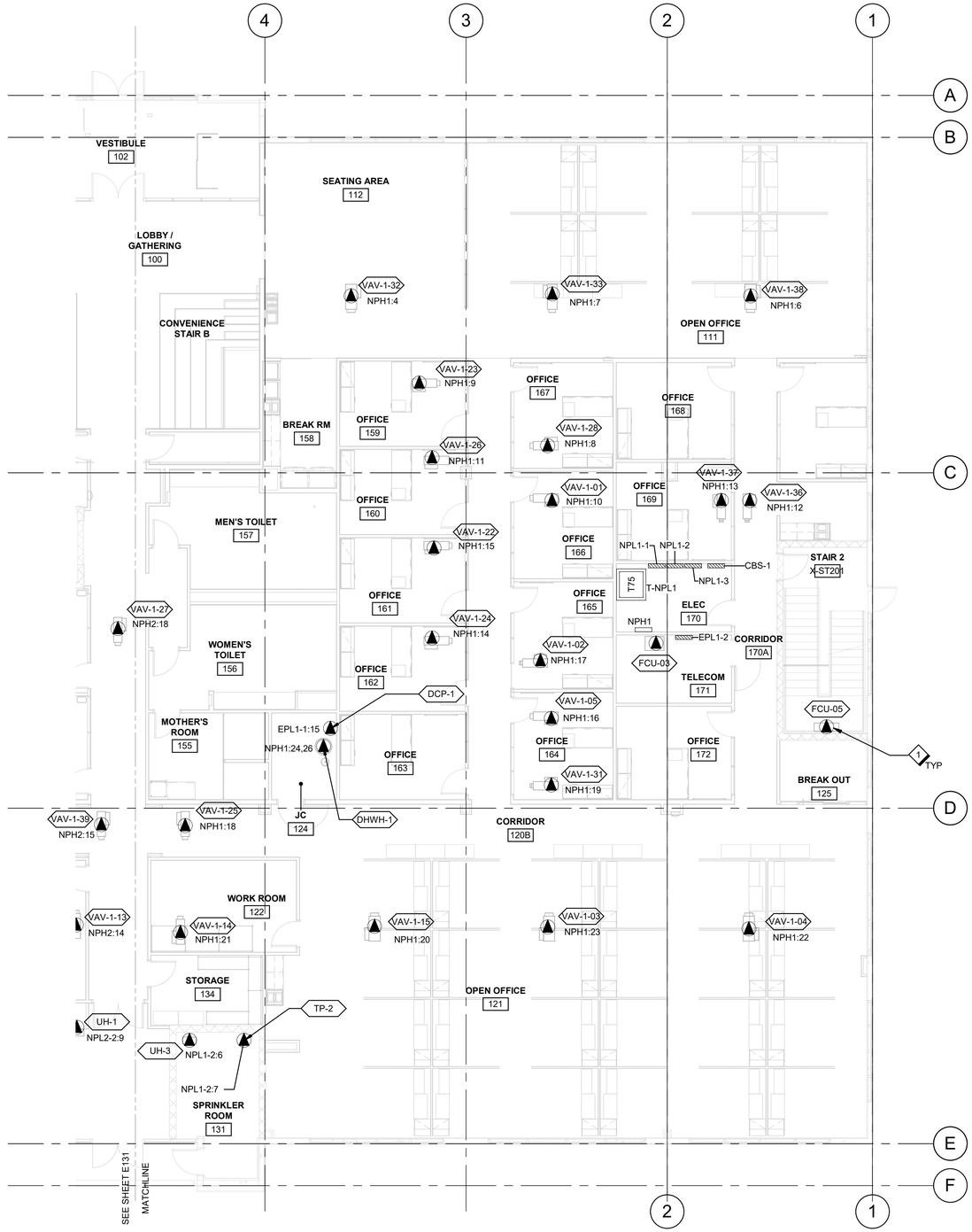

A8 FIRST FLOOR MECHANICAL POWER PLAN - PART 1

E130 1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. REFER TO DRAWING E510 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.

C. CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION OR PROVIDE TEMPORARY POWER IN AREAS WHERE NECESSARY.

D. COORDINATE LOCATION OF OUTLETS AND DEVICES WITH CASEWORK, FURNITURE, AND PARTITION ELEVATIONS. REFER TO ARCHITECTURAL AND INTERIOR ELEVATIONS, DETAILS, AND MOUNTING INSTALLATION INFORMATION. NOTIFY CONTRACTING OFFICER OF ANY DISCREPANCIES BEFORE INSTALLATION OF ANY CONDUIT, OUTLET BOXES, AND/OR SUPPORTING HARDWARE.

SHEET NOTES

1 PROVIDE POWER FOR FCU FROM ASSOCIATED OUTDOOR UNIT.

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WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR MECHANICAL POWER PLAN - PART 1

WARRENTON — DCCA ADM — VA

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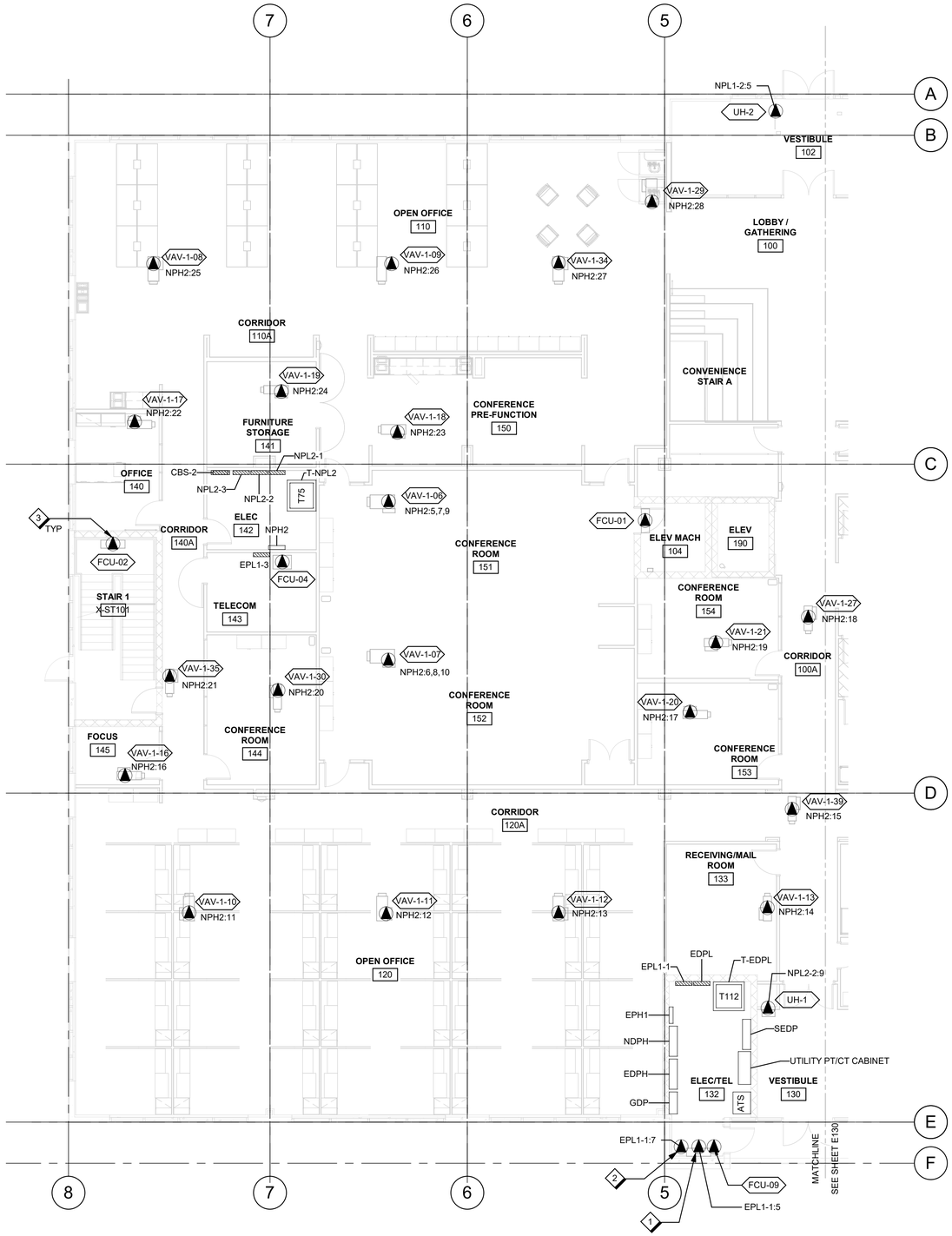
WARRENTON, VA

DESIGNED BY M. BECKER
DRAWN BY J. FRIEDBERG
CHECKED BY J. KOROULAKIS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E130 REV.

PLOT DATE/TIME: 4/22/2022 10:33:51 AM



A8 FIRST FLOOR MECHANICAL POWER PLAN - PART 2

E131 1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. REFER TO DRAWING E510 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.

C. CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION OR PROVIDE TEMPORARY POWER IN AREAS WHERE NECESSARY.

D. COORDINATE LOCATION OF OUTLETS AND DEVICES WITH CASEWORK, FURNITURE, AND PARTITION ELEVATIONS. REFER TO ARCHITECTURAL AND INTERIOR ELEVATIONS, DETAILS, AND MOUNTING INSTALLATION INFORMATION. NOTIFY CONTRACTING OFFICER OF ANY DISCREPANCIES BEFORE INSTALLATION OF ANY CONDUIT, OUTLET BOXES, AND/OR SUPPORTING HARDWARE.

SHEET NOTES

1 PROVIDE NEW POWER CONNECTION FOR EXISTING FIRE ALARM CONTROL PANEL.

2 PROVIDE NEW POWER CONNECTION FOR EXISTING NAC PANEL.

3 PROVIDE POWER FOR FCU FROM ASSOCIATED OUTDOOR UNIT.

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COMMONWEALTH OF VIRGINIA
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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR MECHANICAL POWER PLAN - PART 2

WARRENTON — DCCA ADM — VA

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	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY M. BECKER
DRAWN BY J. FRIEDBERG
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E131
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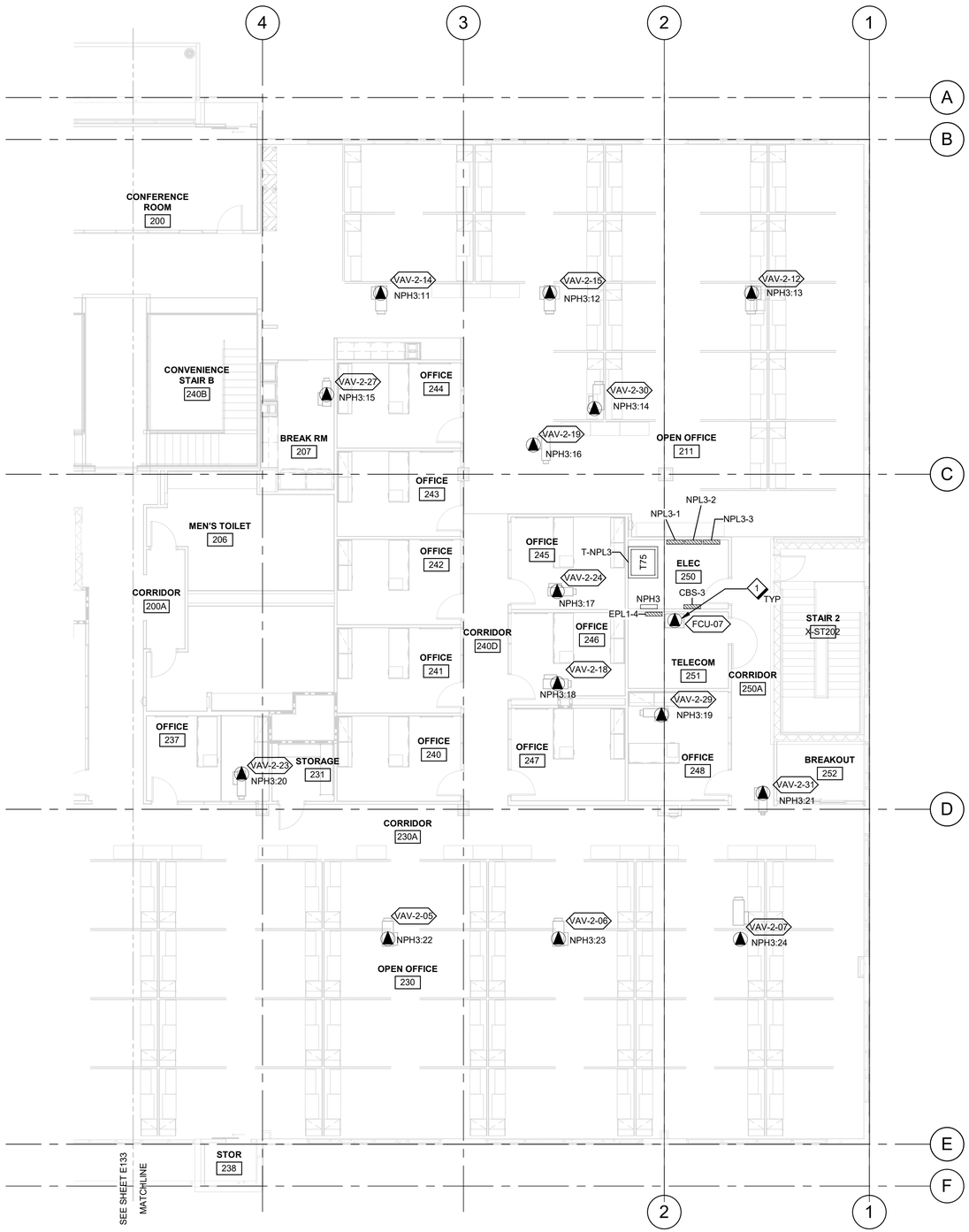

A8 SECOND FLOOR MECHANICAL POWER PLAN - PART 1

E132 1/8" = 1'-0"

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

N

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. REFER TO DRAWING E510 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.

C. CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION OR PROVIDE TEMPORARY POWER IN AREAS WHERE NECESSARY.

D. COORDINATE LOCATION OF OUTLETS AND DEVICES WITH CASEWORK, FURNITURE, AND PARTITION ELEVATIONS. REFER TO ARCHITECTURAL AND INTERIOR ELEVATIONS, DETAILS, AND MOUNTING INSTALLATION INFORMATION. NOTIFY CONTRACTING OFFICER OF ANY DISCREPANCIES BEFORE INSTALLATION OF ANY CONDUIT, OUTLET BOXES, AND/OR SUPPORTING HARDWARE.

SHEET NOTES

1 PROVIDE POWER FOR FCU FROM ASSOCIATED OUTDOOR UNIT.

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EASTERN SERVICE AREA ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR MECHANICAL POWER PLAN - PART 1

WARRENTON DCCA ADM VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

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CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E132 REV.

DCCA ADM
WARRENTON, VA

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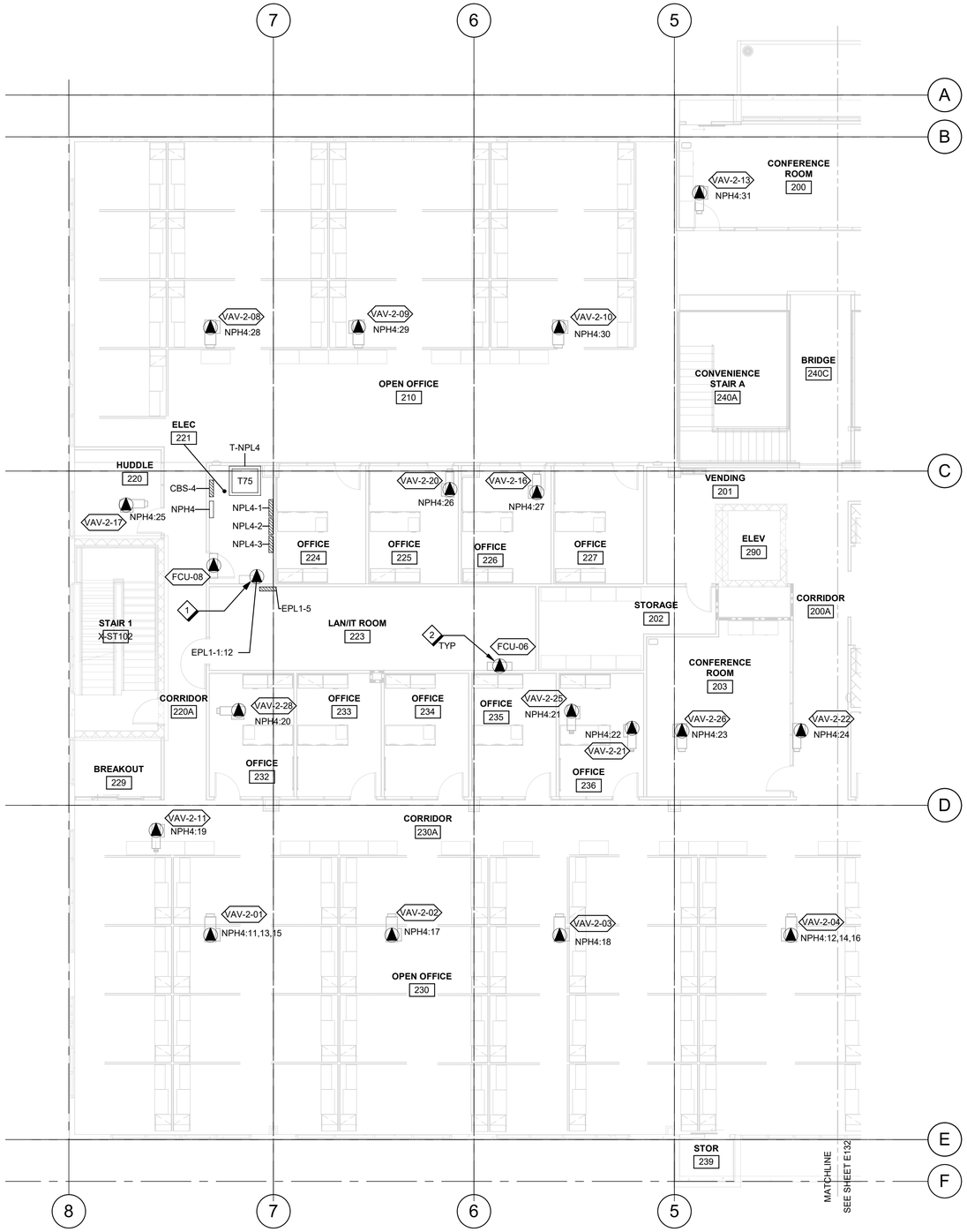

A8 / E133 **SECOND FLOOR MECHANICAL POWER PLAN - PART 2**

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. REFER TO DRAWING E510 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.

C. CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION OR PROVIDE TEMPORARY POWER IN AREAS WHERE NECESSARY.

D. COORDINATE LOCATION OF OUTLETS AND DEVICES WITH CASEWORK, FURNITURE, AND PARTITION ELEVATIONS. REFER TO ARCHITECTURAL AND INTERIOR ELEVATIONS, DETAILS, AND MOUNTING INSTALLATION INFORMATION. NOTIFY CONTRACTING OFFICER OF ANY DISCREPANCIES BEFORE INSTALLATION OF ANY CONDUIT, OUTLET BOXES, AND/OR SUPPORTING HARDWARE.

SHEET NOTES

1 PROVIDE POWER CONNECTION FOR DDC PANEL.

2 PROVIDE POWER FOR FCU FROM ASSOCIATED OUTDOOR UNIT.

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR MECHANICAL POWER PLAN - PART 2

WARRENTON — DCCA ADM — VA

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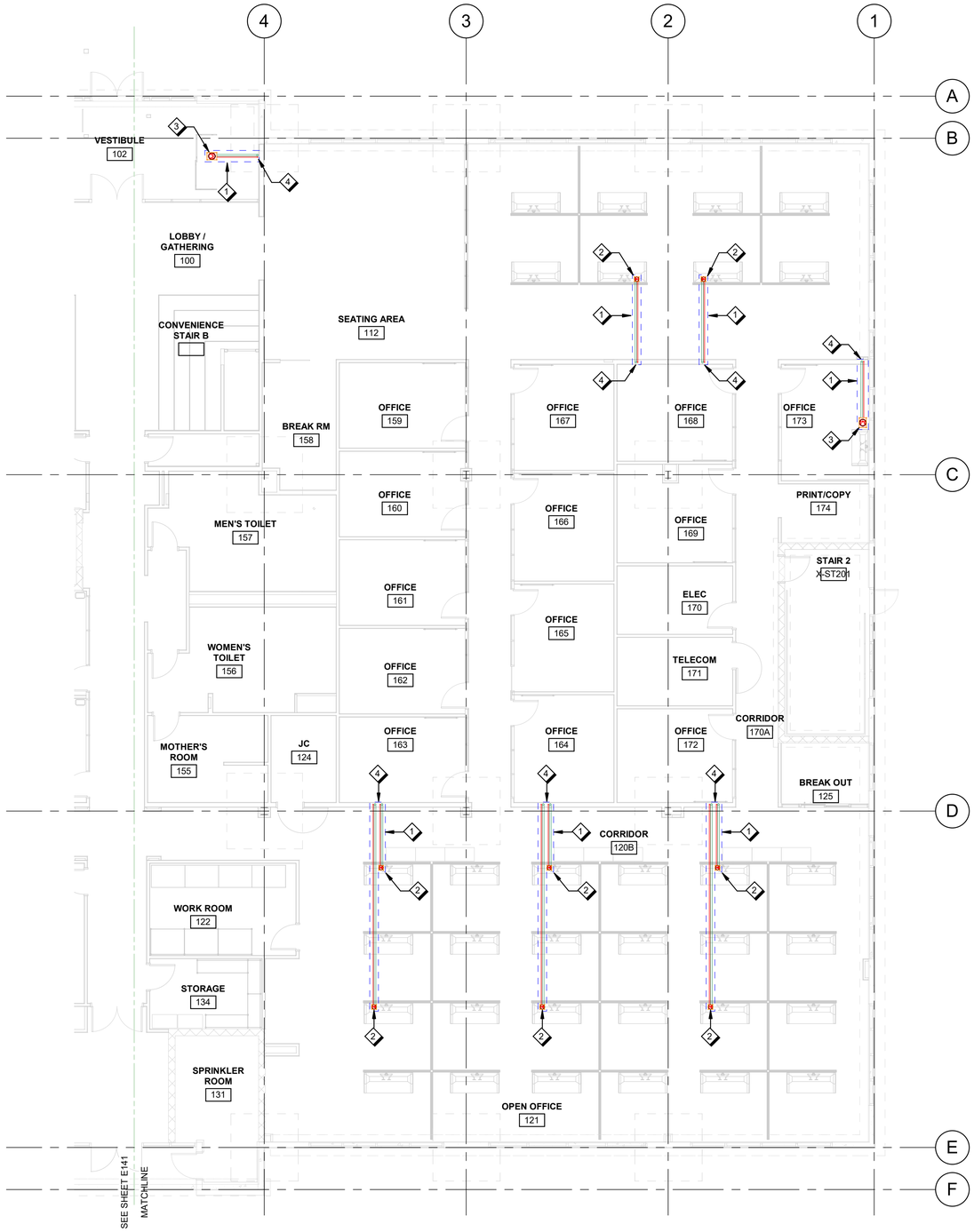

A8 E140 **FIRST FLOOR CONDUIT ROUTING ROUGH-IN PLAN - PART 1**

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. DRAWING INDICATES LOCATION FOR ELECTRICAL FLOOR BOXES TO FURNITURE SYSTEMS, REFER TO STRUCTURAL DRAWINGS GENERAL DEMOLITION REQUIREMENTS.

B. CUT AND PATCH CONCRETE FLOOR SLAB TO MATCH EXISTING FINISH WHERE REQUIRED TO INSTALL NEW FLOOR BOXES.

C. COORDINATE LOCATION FOR FURNITURE SYSTEMS WITH FURNITURE VENDOR SHOP DRAWING SUBMISSIONS. FIELD VERIFY ELECTRIC AND COMMUNICATION UTILITIES WITH FURNITURE VENDOR INSTALLATION DRAWINGS.

D. REFER TO SHEET E512 FOR FURNITURE CIRCUIT SCHEDULE.

SHEET NOTES

1 POWER AND COMMUNICATION CONDUIT ROUGH-IN LOCATION, COORDINATE EXTENT OF CONCRETE SLAB CUT AND PATCH WORK TO ACCOMMODATE FLOOR BOX INSTALLATION.

2 PROVIDE TYPE-1 FLUSH FLOOR BOX FOR FURNITURE SYSTEM UTILITY IN-FEED.

3 PROVIDE TYPE-2 FLUSH FLOOR BOX FOR POWER AND COMMUNICATION UTILITIES.

4 COORDINATE EXACT LOCATION OF CONDUIT TURN-UP IN WALL PARTITION WITH ARCHITECTURAL INTERIOR WALL LAYOUT.

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WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR UTILITY ROUGH-IN PLAN - PART 1

WARRENTON — DCCA ADM — VA

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SUBMITTER'S TITLE | APPROVER'S TITLE

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WARRENTON, VA

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DRAWN BY D. RUSTAMOVA
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DATE 03/11/2022 JCN: 21001763
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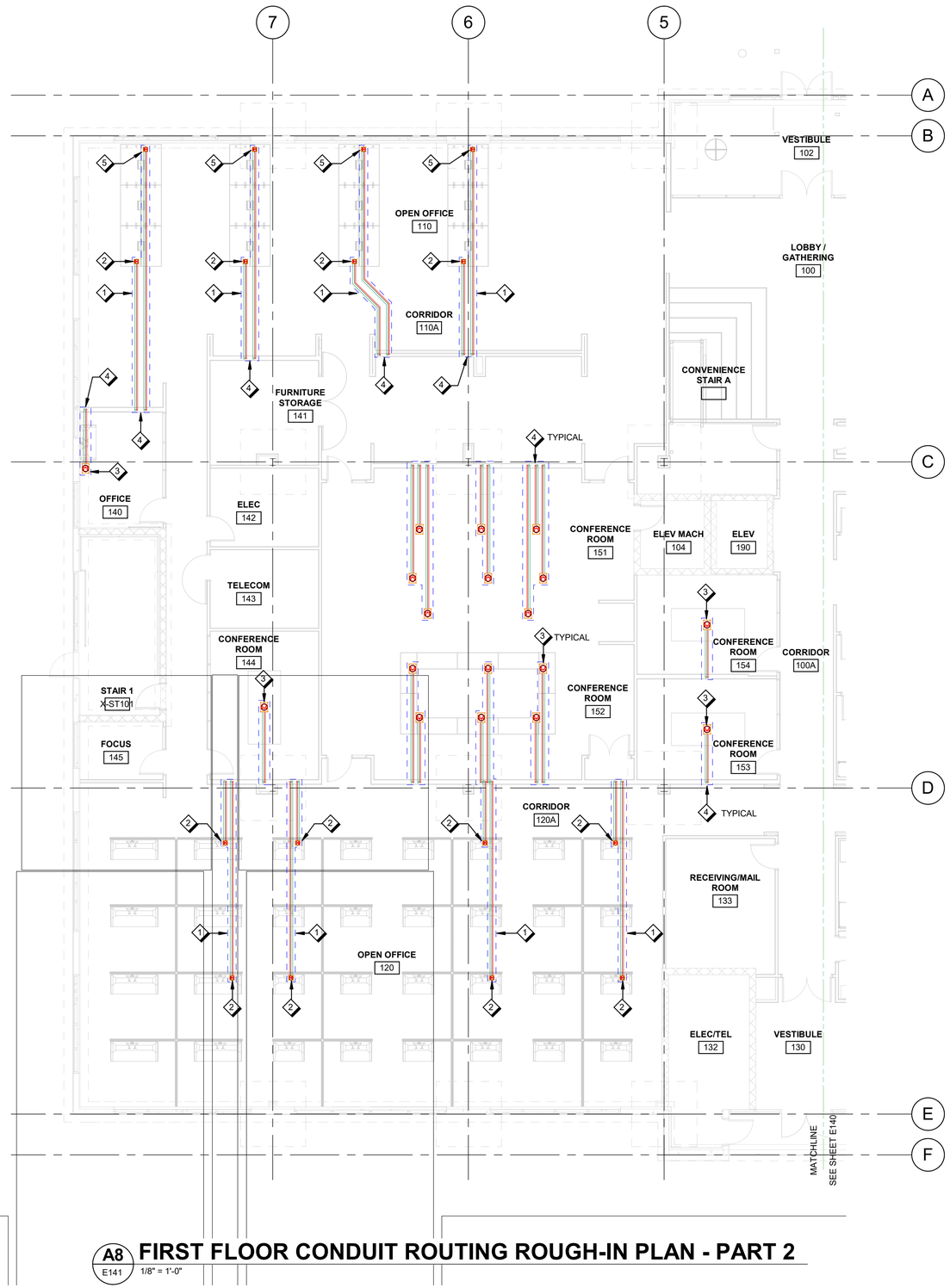

A8 / E141 FIRST FLOOR CONDUIT ROUTING ROUGH-IN PLAN - PART 2

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. DRAWING INDICATES LOCATION FOR ELECTRICAL FLOOR BOXES TO FURNITURE SYSTEMS, REFER TO STRUCTURAL DRAWINGS GENERAL DEMOLITION REQUIREMENTS.

B. CUT AND PATCH CONCRETE FLOOR SLAB TO MATCH EXISTING FINISH WHERE REQUIRED TO INSTALL NEW FLOOR BOXES.

C. COORDINATE LOCATION FOR FURNITURE SYSTEMS WITH FURNITURE VENDOR SHOP DRAWING SUBMISSIONS. FIELD VERIFY ELECTRIC AND COMMUNICATION UTILITIES WITH FURNITURE VENDOR INSTALLATION DRAWINGS.

D. REFER TO SHEET E512 FOR FURNITURE CIRCUIT SCHEDULE.

SHEET NOTES

1 POWER AND COMMUNICATION CONDUIT ROUGH-IN LOCATION, COORDINATE EXTENT OF CONCRETE SLAB CUT AND PATCH WORK TO ACCOMMODATE FLOOR BOX INSTALLATION.

2 PROVIDE TYPE-1 FLUSH FLOOR BOX FOR FURNITURE SYSTEM UTILITY IN-FEED.

3 PROVIDE TYPE-2 FLUSH FLOOR BOX FOR POWER AND COMMUNICATION UTILITIES.

4 COORDINATE EXACT LOCATION OF CONDUIT TURN-UP IN WALL PARTITION WITH ARCHITECTURAL INTERIOR WALL LAYOUT.

5 PROVIDE TYPE-1T FLUSH FLOOR BOX FOR COMMUNICATION UTILITIES.

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR UTILITY ROUGH-IN PLAN - PART 2

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
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DATE 03/11/2022 JCN: 21001763
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DCCA ADM
WARRENTON, VA

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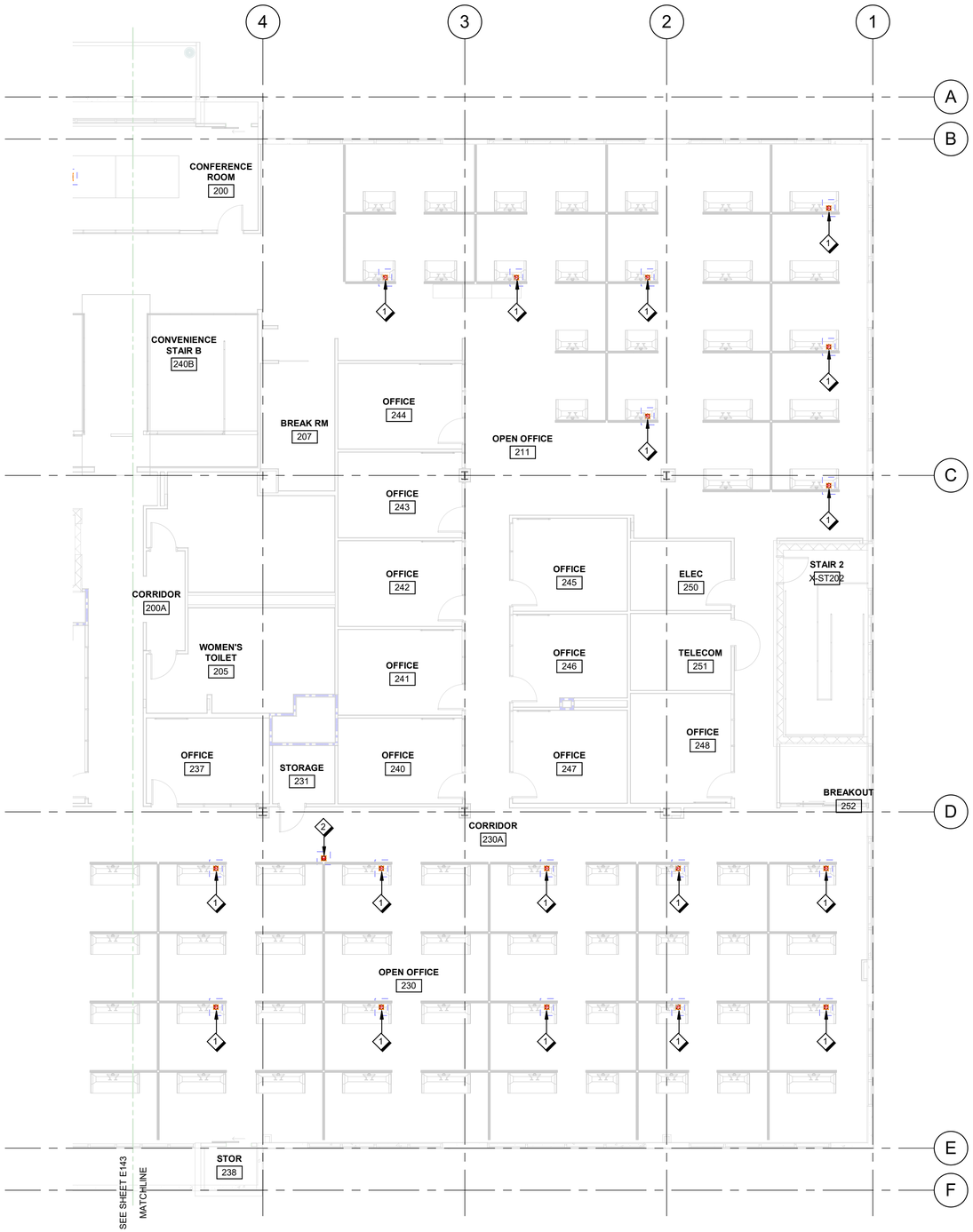

A8 / E142 SECOND FLOOR CONDUIT ROUTING ROUGH-IN PLAN - PART 1

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. DRAWING INDICATES LOCATION FOR ELECTRICAL FLOOR BOXES TO FURNITURE SYSTEMS, REFER TO STRUCTURAL DRAWINGS GENERAL DEMOLITION REQUIREMENTS.

B. CUT AND PATCH CONCRETE FLOOR SLAB TO MATCH EXISTING FINISH WHERE REQUIRED TO INSTALL NEW FLOOR BOXES.

C. COORDINATE LOCATION FOR FURNITURE SYSTEMS WITH FURNITURE VENDOR SHOP DRAWING SUBMISSIONS. FIELD VERIFY ELECTRIC AND COMMUNICATION UTILITIES WITH FURNITURE VENDOR INSTALLATION DRAWINGS.

D. REFER TO SHEET E512 FOR FURNITURE CIRCUIT SCHEDULE.

SHEET NOTES

1. PROVIDE TYPE-3 FLUSH POKE-THROUGH FLOOR BOX FOR FURNITURE SYSTEM UTILITY IN-FEED.

2. PROVIDE TYPE-4 FLUSH POKE-THROUGH FLOOR BOX FOR POWER AND COMMUNICATION UTILITIES.

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR UTILITY ROUGH-IN PLAN - PART 1

WARRENTON — DCCA ADM — VA

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WARRENTON, VA

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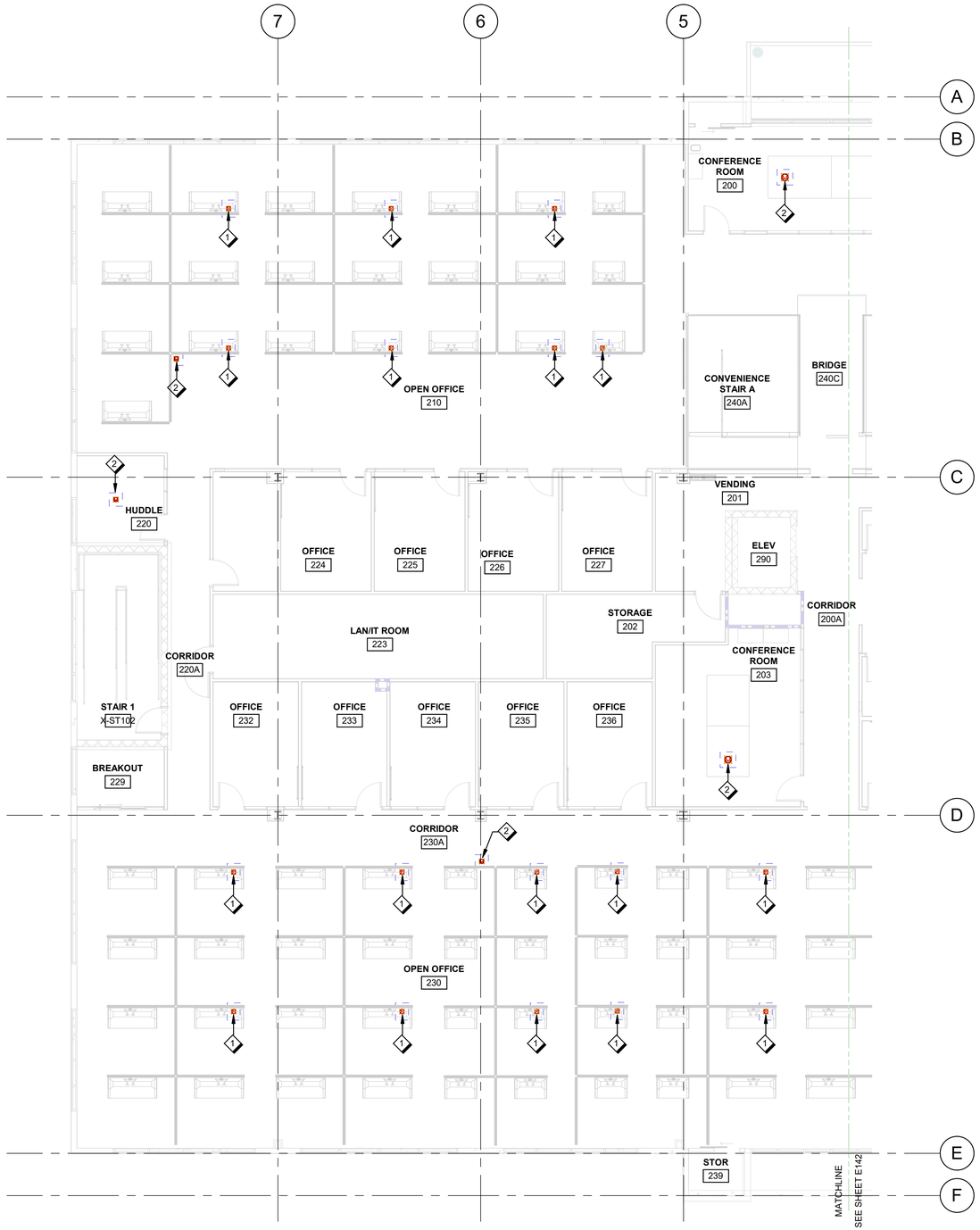

A8 E143 **SECOND FLOOR CONDUIT ROUTING ROUGH-IN PLAN - PART 2**

1/8" = 1'-0"

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

N

KEY NORTH

GENERAL SHEET NOTES

A. DRAWING INDICATES LOCATION FOR ELECTRICAL FLOOR BOXES TO FURNITURE SYSTEMS, REFER TO STRUCTURAL DRAWINGS GENERAL DEMOLITION REQUIREMENTS.

B. CUT AND PATCH CONCRETE FLOOR SLAB TO MATCH EXISTING FINISH WHERE REQUIRED TO INSTALL NEW FLOOR BOXES.

C. COORDINATE LOCATION FOR FURNITURE SYSTEMS WITH FURNITURE VENDOR SHOP DRAWING SUBMISSIONS. FIELD VERIFY ELECTRIC AND COMMUNICATION UTILITIES WITH FURNITURE VENDOR INSTALLATION DRAWINGS.

D. REFER TO SHEET E512 FOR FURNITURE CIRCUIT SCHEDULE.

SHEET NOTES

1. PROVIDE TYPE-3 FLUSH POKE-THROUGH FLOOR BOX FOR FURNITURE SYSTEM UTILITY IN-FEED.

2. PROVIDE TYPE-4 FLUSH POKE-THROUGH FLOOR BOX FOR POWER AND COMMUNICATION UTILITIES.

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WARRENTON, VA

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR UTILITY ROUGH-IN PLAN - PART 2

WARRENTON — DCCA ADM — VA

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ISSUED BY: ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763

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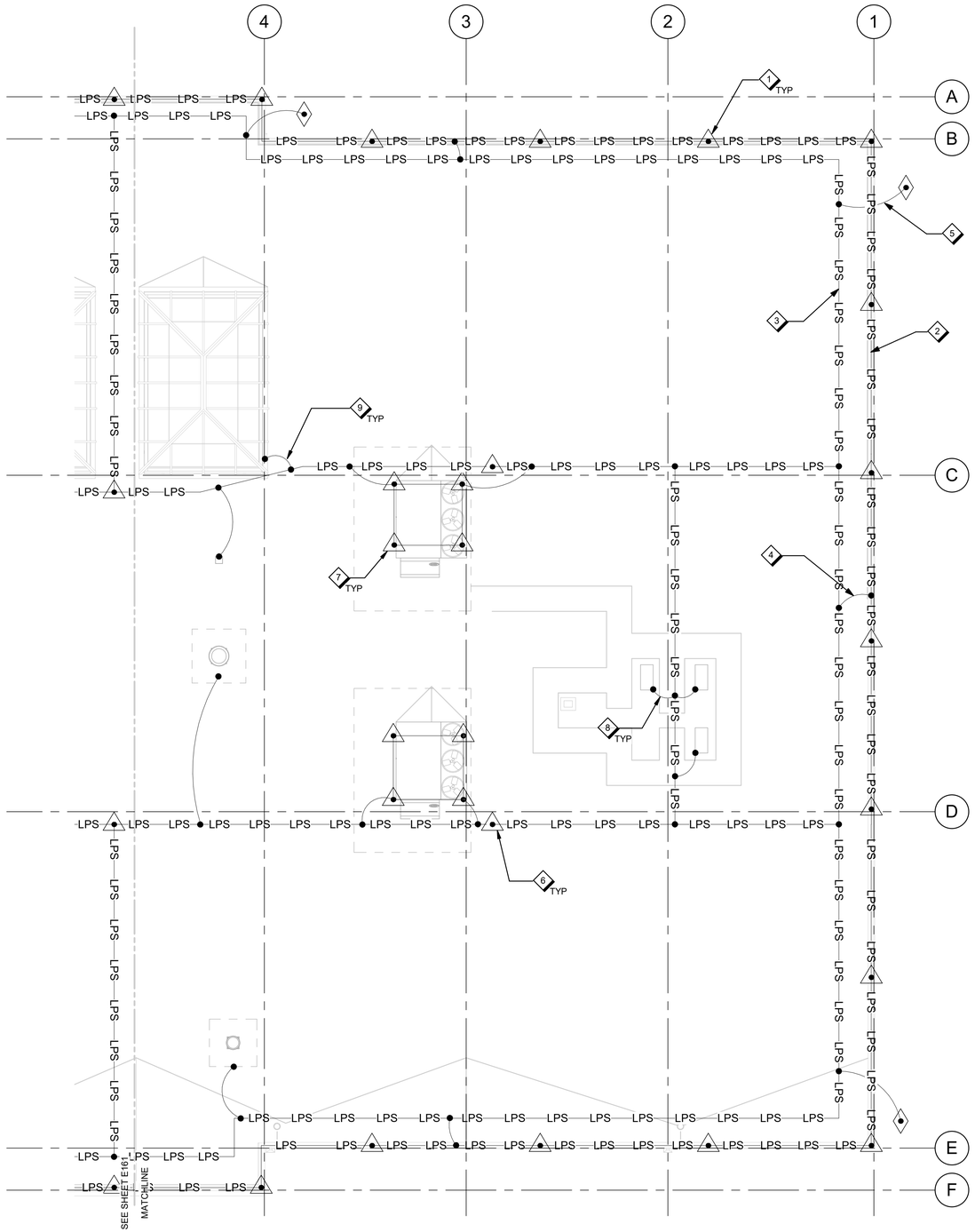

A8 / E160 LIGHTNING PROTECTION AND GROUNDING PLAN - PART 1

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. ALL ROOF EXPOSED METALLIC BODIES, SUCH AS EQUIPMENT ENCLOSURES, MECHANICAL PIPING, HVAC DUCTWORK, AND GUARD RAIL ASSEMBLIES SHALL BE BONDED TO THE LIGHTNING PROTECTION SYSTEM.

B. PROVIDE A UL MASTER LABEL FOR THE LIGHTNING PROTECTION SYSTEM INSTALLATION. PROVIDE CLASS II GRADE SYSTEM COMPONENTS IN ACCORDANCE WITH NFPA 780 REQUIREMENTS FOR CLASS II SYSTEM INSTALLATIONS. CONTRACTOR SHALL PROVIDE WRITTEN CERTIFICATION FROM UL INDICATING LIGHTNING PROTECTION SYSTEM IS UL MASTER LABEL CERTIFIED.

SHEET NOTES

1 PROVIDE AIR TERMINAL PROTECTION ALONG THE PERIMETER OF ROOF.

2 ROUTE CLASS II LPS CONDUCTOR ALONG TOP OF PARAPET.

3 CLASS II LIGHTNING PROTECTION CONDUCTOR ROUTED ON ROOF.

4 BOND PARAPET CONDUCTOR DOWN TO LOWER ROOF CONDUCTOR LOOP.

5 ROUTE EXTERIOR BUILDING MOUNTED DOWN CONDUCTOR TO GROUND ROD. PROVIDE #4/0 AWG GROUND LOOP CONDUCTOR 30 INCHES BELOW GRADE TO INTERCONNECT GROUND RODS.

6 PROVIDE INTERIOR ROOF AIR TERMINAL. MOUNT TOP OF AIR TERMINAL 5'-0" ABOVE THE ROOF.

7 PROVIDE AIR TERMINALS FOR MECHANICAL EQUIPMENT.

8 BOND MECHANICAL EQUIPMENT TO LIGHTNING PROTECTION SYSTEM.

9 BOND METALLIC OBJECTS TO LIGHTNING PROTECTION SYSTEM ROOF CONDUCTOR.

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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

LIGHTNING PROTECTION AND GROUNDING PLAN - PART 1

WARRENTON — DCCA ADM — VA

Jacobs

DCCA ADM
WARRENTON, VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

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DATE 03/11/2022 JCN: 21001763
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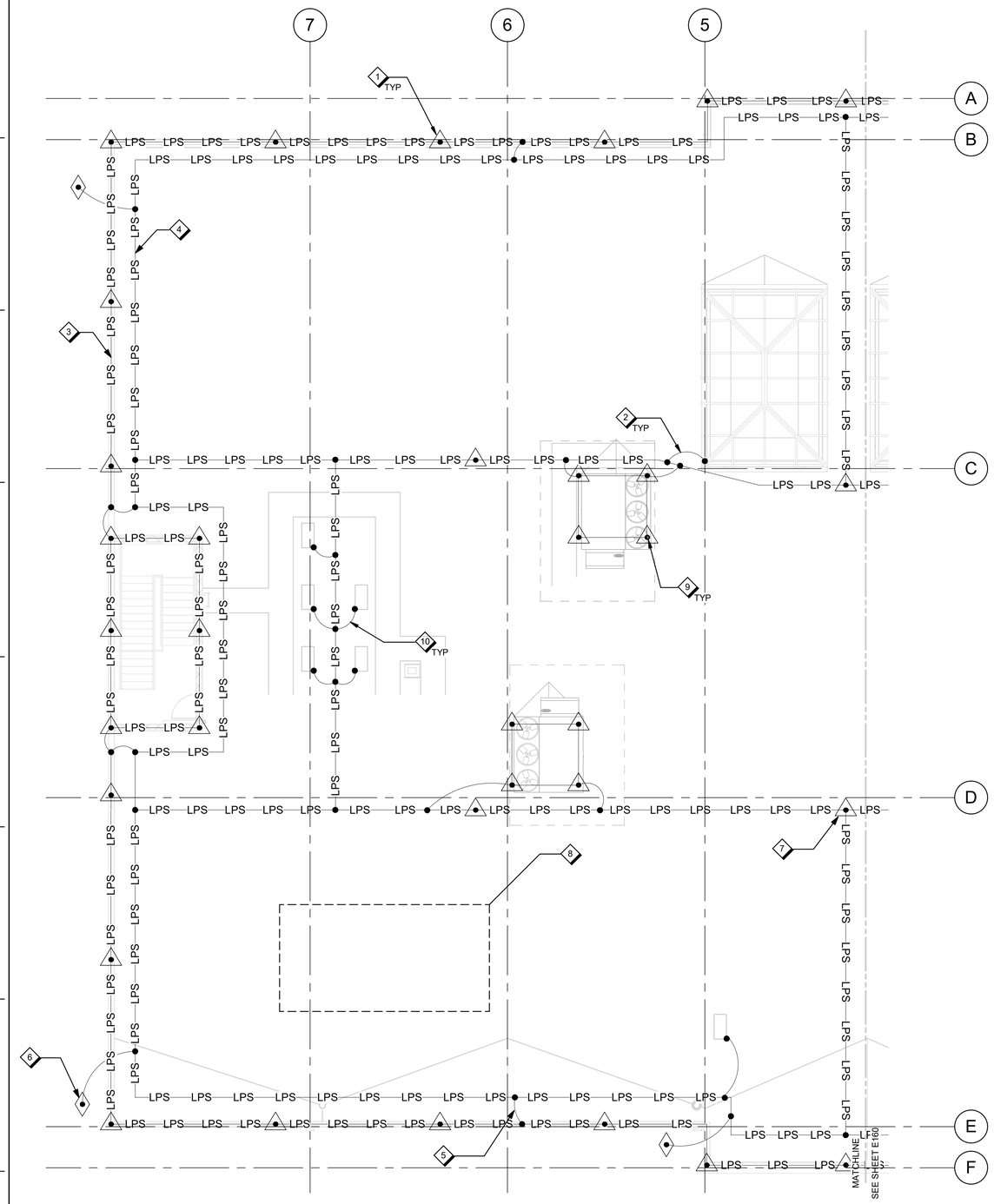

A8 / E161 LIGHTNING PROTECTION AND GROUNDING PLAN - PART 2

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL SHEET NOTES

A. ALL ROOF EXPOSED METALLIC BODIES, SUCH AS EQUIPMENT ENCLOSURES, MECHANICAL PIPING, HVAC DUCTWORK, AND GUARD RAIL ASSEMBLIES SHALL BE BONDED TO THE LIGHTNING PROTECTION SYSTEM.

B. PROVIDE A UL MASTER LABEL FOR THE LIGHTNING PROTECTION SYSTEM INSTALLATION. PROVIDE CLASS II GRADE SYSTEM COMPONENTS IN ACCORDANCE WITH NFPA 780 REQUIREMENTS FOR CLASS II SYSTEM INSTALLATIONS. CONTRACTOR SHALL PROVIDE WRITTEN CERTIFICATION FROM UL INDICATING LIGHTNING PROTECTION SYSTEM IS UL MASTER LABEL CERTIFIED.

SHEET NOTES

1 PROVIDE AIR TERMINAL PROTECTION ALONG THE PERIMETER OF ROOF.

2 BOND METALLIC OBJECTS TO LIGHTNING PROTECTION SYSTEM ROOF CONDUCTOR.

3 ROUTE CLASS II LPS CONDUCTOR ALONG TOP OF PARAPET.

4 CLASS II LIGHTNING PROTECTION CONDUCTOR ROUTED ON ROOF.

5 BOND PARAPET CONDUCTOR DOWN TO LOWER ROOF CONDUCTOR LOOP.

6 ROUTE EXTERIOR BUILDING MOUNTED DOWN CONDUCTOR TO GROUND ROD. PROVIDE #4/0 AWG GROUND LOOP CONDUCTOR 30 INCHES BELOW GRADE TO INTERCONNECT GROUND RODS.

7 PROVIDE INTERIOR ROOF AIR TERMINAL. MOUNT TOP OF AIR TERMINAL 5'-0" ABOVE THE ROOF.

8 DEMOLISH EXISTING ANTENNA FARM ON ROOF.

9 PROVIDE AIR TERMINALS FOR MECHANICAL EQUIPMENT.

10 BOND MECHANICAL EQUIPMENT TO LIGHTNING PROTECTION SYSTEM.

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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

LIGHTNING PROTECTION AND GROUNDING PLAN - PART 2

WARRENTON — DCCA ADM — VA

DCCA ADM
WARRENTON, VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

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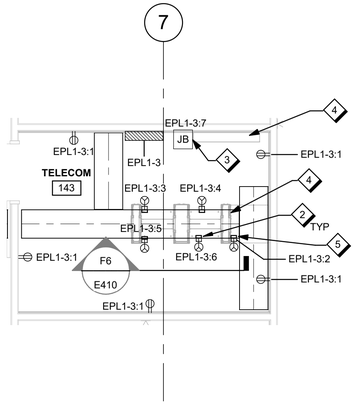
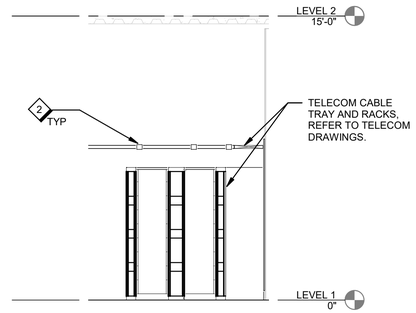
REV.

PLOT DATE/TIME: 4/22/2022 10:34:13 AM



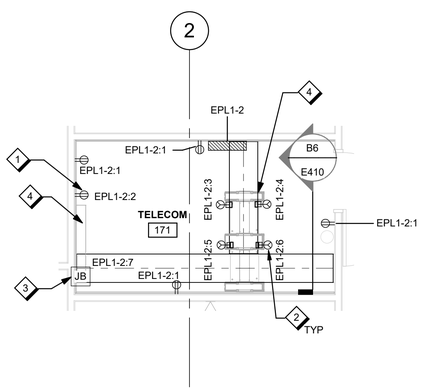
F8 / E410 TELECOM 143 ENLARGED POWER PLAN

1/4" = 1'-0"



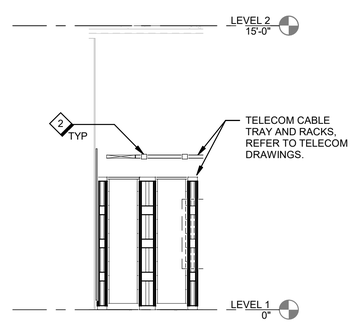
F6 / E410 TELECOM 143 RACK ELEVATION

1/4" = 1'-0"



B8 / E410 TELECOM 171 ENLARGED POWER PLAN

1/4" = 1'-0"



B6 / E410 TELECOM 171 RACK ELEVATION

1/4" = 1'-0"

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. MAINTAIN CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION OR PROVIDE TEMPORARY POWER IN AREAS WHERE NECESSARY.

C. COORDINATE LOCATION OF OUTLETS AND DEVICES WITH CASEWORK, FURNITURE, AND PARTITION ELEVATIONS. REFER TO ARCHITECTURAL AND INTERIOR ELEVATIONS, DETAILS, AND MOUNTING INSTALLATION INFORMATION. NOTIFY CONTRACTING OFFICER OF ANY DISCREPANCIES BEFORE INSTALLATION OF ANY CONDUIT, OUTLET BOXES, AND/OR SUPPORTING HARDWARE.

SHEET NOTES ◇

1 PROVIDE A DEDICATED RECEPTACLE FOR CATV EQUIPMENT.

2 MOUNT L5-20R RECEPTACLE FOR EQUIPMENT RACK TO SIDE OF CABLE TRAY SUPPORTS.

3 SYSTEM 1 POWER SUPPLY. LOCATE JUNCTION BOX ADJACENT TO SYSTEM 1 WIREWAY AS SHOWN ON TELECOM DRAWING DETAIL C3/T604. FIELD VERIFY EXACT LOCATION WITH SYSTEM 1 VENDOR.

4 SYSTEM 1 WIREWAY AND TELECOM RACKS, REFER TO TELECOM DRAWINGS.

5 PROVIDE DEDICATED CIRCUIT FOR AV EQUIPMENT CABINET, REFER TO AUDIO VISUAL DRAWINGS.

4 0 4 8
Scale: 1/4 INCH = 1 FOOT

N
KEY NORTH

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/VD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ENLARGED FIRST FLOOR POWER PLANS

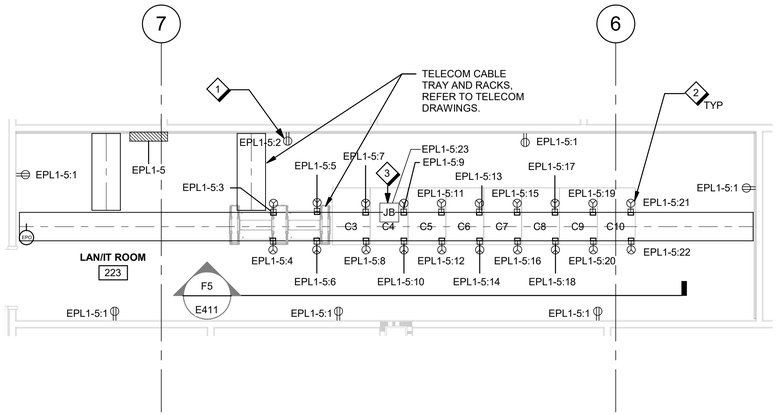
WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY J. FRIEDBERG
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E410 REV.

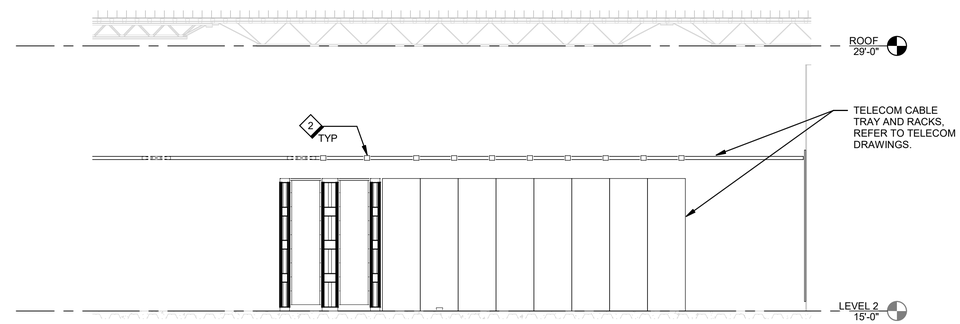
DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 4/22/2022 10:34:21 AM



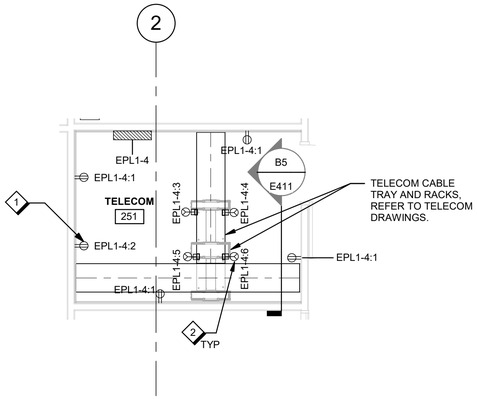
F8 / E411 LAN/IT ROOM 223 ENLARGED POWER PLAN

1/4" = 1'-0"



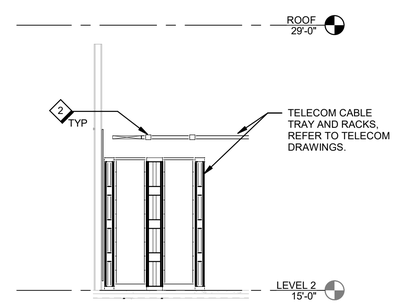
F5 / E411 LAN/IT ROOM 223 RACK ELEVATION

1/4" = 1'-0"



B8 / E411 TELECOM 251 ENLARGED POWER PLAN

1/4" = 1'-0"



B5 / E411 TELECOM 251 RACK ELEVATION

1/4" = 1'-0"

4 0 4 8

Scale: 1/4 INCH = 1 FOOT

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. MAINTAIN CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION OR PROVIDE TEMPORARY POWER IN AREAS WHERE NECESSARY.

C. COORDINATE LOCATION OF OUTLETS AND DEVICES WITH CASEWORK, FURNITURE, AND PARTITION ELEVATIONS. REFER TO ARCHITECTURAL AND INTERIOR ELEVATIONS, DETAILS, AND MOUNTING INSTALLATION INFORMATION. NOTIFY CONTRACTING OFFICER OF ANY DISCREPANCIES BEFORE INSTALLATION OF ANY CONDUIT, OUTLET BOXES, AND/OR SUPPORTING HARDWARE.

SHEET NOTES

1 PROVIDE A DEDICATED RECEPTACLE FOR CATV EQUIPMENT.

2 MOUNT L5-20R RECEPTACLE FOR EQUIPMENT RACK TO SIDE OF CABLE TRAY SUPPORTS.

3 SYSTEM 1 POWER SUPPLY. LOCATE JUNCTION BOX ADJACENT TO OVERHEAD RECEPTACLE AT THE LADDER RACK AS SHOWN ON TELECOM DRAWING DETAIL C3/T604. FIELD VERIFY EXACT LOCATION WITH SYSTEM 1 VENDOR.

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
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REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ENLARGED SECOND FLOOR POWER PLANS

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY

SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763

DRAWING NO. DCCA - D - ADM - E411 REV.

DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 4/22/2022 10:34:31 AM

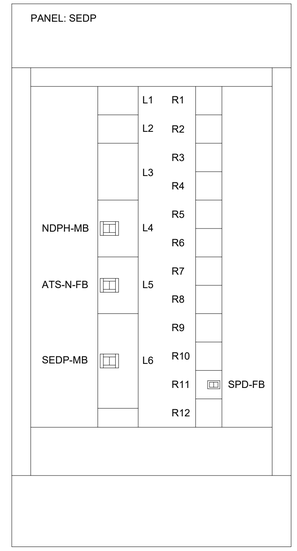
SWITCHBOARD SCHEDULE

NAME: SEDP
LOCATION: ELEC/TEL 132
FED FROM: UTILITY
MODEL TYPE: I-LINE
VOLTAGE RATING: 480Y/277V - 3PH - 4W
BUS RATING: 1200A, 35kAIC SYM.

DEVICE NO.	CIRCUIT / NAMEPLATE DESCRIPTION	DEVICE FRAME RATING	TRIP UNIT TYPE	SENSOR/TRIP RATING	POLES	DEMAND LOAD (kVA)	REMARKS
L1	-			-	3P	-	SPACE PROVISION
L2	-			-	3P	-	SPACE PROVISION
L3	-			-	3P	-	SPACE PROVISION
L4	NDPH-FB			800AT	3P	558.54	
L5	ATS-N-FB			600AT	3P	50.43	
L6	SEDP-MB			1200AT	3P	-	
R1	-			-	3P	-	SPACE PROVISION
R2	-			-	3P	-	SPACE PROVISION
R3	-			-	3P	-	SPACE PROVISION
R4	-			-	3P	-	SPACE PROVISION
R5	-			-	3P	-	SPACE PROVISION
R6	-			-	3P	-	SPACE PROVISION
R7	-			-	3P	-	SPACE PROVISION
R8	-			-	3P	-	SPACE PROVISION
R9	-			-	3P	-	SPACE PROVISION
R10	-			-	3P	-	SPACE PROVISION
R11	SPD-FB			225AT	3P	-	
R12	-			-	3P	-	SPACE PROVISION
				ESTIMATED DEMAND LOAD:	kVA	608.97	

NOTES:

1. See DWG No. E800 for power one-line diagram.



PANEL FRONT ELEVATION
(45"W x 9.5"D x 86"H)

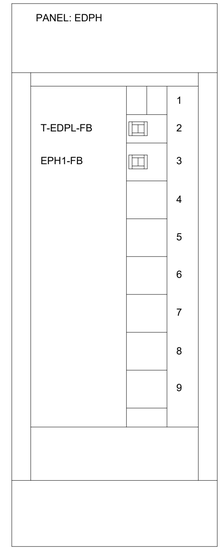
SWITCHBOARD SCHEDULE

NAME: EDPH
LOCATION: ELEC/TEL 132
FED FROM: ATS
MODEL TYPE: I-LINE
VOLTAGE RATING: 480Y/277V - 3PH - 4W
BUS RATING: 800A, 35kAIC SYM.

DEVICE NO.	CIRCUIT / NAMEPLATE DESCRIPTION	DEVICE FRAME RATING	TRIP UNIT TYPE	SENSOR/TRIP RATING	POLES	DEMAND LOAD (kVA)	REMARKS
1	-			-	3P	-	SPACE PROVISION
2	T-EDPL-FB			175AT	3P	41.17	
3	EPH1-FB			125AT	3P	9.26	
4	-			-	3P	-	SPACE PROVISION
5	-			-	3P	-	SPACE PROVISION
6	-			-	3P	-	SPACE PROVISION
7	-			-	3P	-	SPACE PROVISION
8	-			-	3P	-	SPACE PROVISION
9	-			-	3P	-	SPACE PROVISION
				ESTIMATED DEMAND LOAD:	kVA	50.43	

NOTES:

1. See DWG No. E800 for power one-line diagram.



PANEL FRONT ELEVATION
(27"W x 8.25"D x 86"H)

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PANEL SCHEDULES

WARRENTON — DCCA ADM — VA

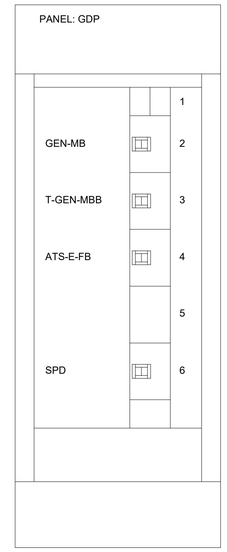
REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY J. FRIEDBERG
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E500 REV.

DCCA ADM
WARRENTON, VA

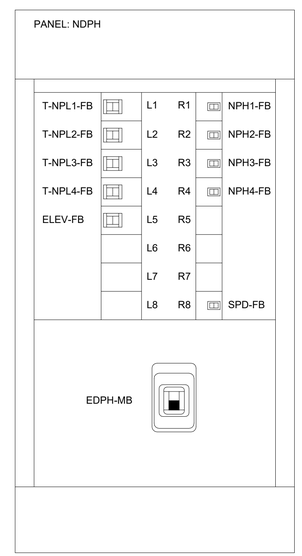
PLOT DATE/TIME: 4/22/2022 10:34:34 AM

SWITCHBOARD SCHEDULE							
NAME:	GDP		MODEL TYPE:	I-LINE			
LOCATION:	ELEC/TEL 132		VOLTAGE RATING:	480Y/277V - 3PH - 4W			
FED FROM:	E/G		BUS RATING:	800A, 35kAIC SYM.			
DEVICE NO.	CIRCUIT / NAMEPLATE DESCRIPTION	DEVICE FRAME RATING	TRIP UNIT TYPE	SENSOR/TRIP RATING	POLES	DEMAND LOAD (kVA)	REMARKS
1	-			-	3P	-	SPACE PROVISION
2	GEN-MB			250AT	3P	-	
3	T-GEN-MBB			250AT	3P	-	
4	ATS-E-FB			250AT	3P	50.43	
5	-			-	3P	-	SPACE PROVISION
6	SPD-FB			225AT	3P	-	
			ESTIMATED DEMAND LOAD:		kVA	50.43	
NOTES:							
1.	See DWG No. E800 for power one-line diagram.						



PANEL FRONT ELEVATION
(27"W x 8.25"D x 86"H)

SWITCHBOARD SCHEDULE							
NAME:	NDPH		MODEL TYPE:	I-LINE			
LOCATION:	ELEC/TEL 132		VOLTAGE RATING:	480Y/277V - 3PH - 4W			
FED FROM:	SEDP		BUS RATING:	800A, 35kAIC SYM.			
DEVICE NO.	CIRCUIT / NAMEPLATE DESCRIPTION	DEVICE FRAME RATING	TRIP UNIT TYPE	SENSOR/TRIP RATING	POLES	DEMAND LOAD (kVA)	REMARKS
L1	T-NPL1-FB			125AT	3P	32.86	
L2	T-NPL2-FB			125AT	3P	38.56	
L3	T-NPL3-FB			125AT	3P	42.64	
L4	T-NPL4-FB			125AT	3P	45.77	
L5	ELEV-FB			150AT	3P	43.23	EXISTING
L6	-			-	3P		SPACE PROVISION
L7	-			-	3P	-	SPACE PROVISION
L8	-			-	3P	-	SPACE PROVISION
R1	NPH1-FB			250AT	3P	44.29	
R2	NPH2-FB			250AT	3P	46.05	
R3	NPH3-FB			250AT	3P	136.64	
R4	NPH4-FB			250AT	3P	128.5	
R5	-			-	3P	-	SPACE PROVISION
R6	-			-	3P	-	SPACE PROVISION
R7	-			-	3P	-	SPACE PROVISION
R8	SPD-FB			100AT	3P	-	
			ESTIMATED DEMAND LOAD:		kVA	558.54	
NOTES:							
1.	See DWG No. E801 for power one-line diagram.						



PANEL FRONT ELEVATION
(42"W x 9.5"D x 86"H)

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/VD

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PANEL SCHEDULES

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY M. BECKER
DRAWN BY J. FRIEDBERG
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E501
REV.

PLOT DATE/TIME: 4/22/2022 10:34:36 AM

PANELBOARD: EPH1

LOCATION: ELEC/TEL 132
SUPPY FROM: EDPH
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 480/277V,3P,4W,60Hz
BUS AMPS: 250 A
MCB FRAME / MCB SIZE: 250 A / 125 A

INTERRUPTING RATING (kA SYMMETRICAL): 35 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	LTG	EXIT SIGNS - LEVEL 1 & 2 PART 1	100 A	20 A	1	1	0.072			0.042			2	1	20 A	100 A	EXIT SIGNS - LEVEL 1 & 2 PART 2	LTG	
	LTG	LTG EXTERIOR EGRESS ZONE 3	100 A	20 A	1	3		0.232			3		4	1	20 A	100 A	LTG - EXTERIOR POLES ZONE 1	LTG	
	LTG	CBS-1 EGRESS LEVEL 1 - PART 1	100 A	15 A	1	5			0.747			0.678	6	1	15 A	100 A	CBS-2 EGRESS LEVEL 1 - PART 2	LTG	
	LTG	CBS-3 EGRESS LEVEL 2 - PART 1	100 A	15 A	1	7	0.475			0.446			8	1	15 A	100 A	CBS-4 EGRESS LEVEL 2 - PART 2	LTG	
	LTG	LTG STAIR 2	100 A	20 A	1	9		0.159			0.265		10	1	20 A	100 A	LTG STAIR 1	LTG	
	--	SPD	100 A	100 A	3	11			0			0.646	12	1	20 A	100 A	EXTERIOR WALL PACKS ZONE 2	LTG	
	--	--	--	--	--	13	0			0.646			14	1	20 A	100 A	EXTERIOR WALL PACKS ZONE 2	LTG	
	--	--	--	--	--	15		0			0		16	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	17			0			0	18	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	19	0			--			20	1	--	--	SPACE	--	
	--	SPACE	--	--	1	21		--			--		22	1	--	--	SPACE	--	
	--	SPACE	--	--	1	23			--			--	24	1	--	--	SPACE	--	
	--	SPACE	--	--	1	25	--			--			26	1	--	--	SPACE	--	
	--	SPACE	--	--	1	27		--			--		28	1	--	--	SPACE	--	
	--	SPACE	--	--	1	29			--			--	30	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	1.681 kVA		3.656 kVA		2.071 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
LTG	7.408 kVA	125.00%	9.26 kVA

TOTAL LOAD SUMMARY

LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	7.408 kVA	CONNECTED CURRENT:	8.9 A
ESTIMATED DEMAND LOAD:	9.260 kVA	ESTIMATED DEMAND CURRENT:	11.1 A
ESTIMATED DEMAND FACTOR:	125.00%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	9.26 kVA	ESTIMATED CURRENT WITH SPARE:	11 A

PANELBOARD NOTES:

PANELBOARD: EDPL

LOCATION: ELEC/TEL 132
SUPPY FROM: T-EDPL
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 400 A
MCB FRAME / MCB SIZE: 400 A / 400 A

INTERRUPTING RATING (kA SYMMETRICAL): 35 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	Spare;...	EPL1-1	400 A	125 A	3	1	4.922			2.1			2	3	125 A	400 A	EPL1-2	Spare;...	
	--	--	--	--	--	3		3.409			1.5		4	--	--	--	--	--	
	--	--	--	--	--	5			2.688			1.5	6	--	--	--	--	--	
	Spare;...	EPL1-3	400 A	125 A	3	7	2.85			0.9			8	3	125 A	400 A	EPL1-4	Spare;...	
	--	--	--	--	--	9		2.46			1.5		10	--	--	--	--	--	
	--	--	--	--	--	11			1.5			1.5	12	--	--	--	--	--	
	Spare;...	EPL1-5	400 A	125 A	3	13	5.76			0			14	3	125 A	400 A	SPARE	--	
	--	--	--	--	--	15		6			0		16	--	--	--	--	--	
	--	--	--	--	--	17			5.7			0	18	--	--	--	--	--	
	--	SPD	100 A	100 A	3	19	0			--			20	1	--	--	SPACE	--	
	--	--	--	--	--	21		0			--		22	1	--	--	SPACE	--	
	--	--	--	--	--	23			0			--	24	1	--	--	SPACE	--	
	--	SPACE	--	--	1	25	--			--			26	1	--	--	SPACE	--	
	--	SPACE	--	--	1	27		--			--		28	1	--	--	SPACE	--	
	--	SPACE	--	--	1	29			--			--	30	1	--	--	SPACE	--	
	--	SPACE	--	--	1	31	--						32						
	--	SPACE	--	--	1	33		--					34						
						35							36						
						37							38						
						39							40						
						41							42						
						TOTAL CONNECTED LOAD / PHASE:	16.532 kVA		14.869 kVA		12.888 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
LTG	0 kVA	0.00%	0 kVA
REC	5.76 kVA	100.00%	5.76 kVA
EOC	0.36 kVA	125.00%	0.45 kVA
EQN	3.6 kVA	75.00%	2.7 kVA
PUMPS	0.011 kVA	60.00%	0.007 kVA
FANS	0.804 kVA	75.00%	0.603 kVA
CU	8.403 kVA	75.00%	6.302 kVA
TELCO	24.75 kVA	100.00%	24.75 kVA
FLS	0.6 kVA	100.00%	0.6 kVA

TOTAL LOAD SUMMARY

LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	44.288 kVA	CONNECTED CURRENT:	122.9 A
ESTIMATED DEMAND LOAD:	41.172 kVA	ESTIMATED DEMAND CURRENT:	114.3 A
ESTIMATED DEMAND FACTOR:	92.96%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	41.172 kVA	ESTIMATED CURRENT WITH SPARE:	114 A

PANELBOARD NOTES:

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/VD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PANEL SCHEDULES

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY J. FRIEDBERG
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E502
REV.

DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 4/22/2022 10:34:39 AM

PANELBOARD: EPL1-1

LOCATION: ELEC/TEL 132
SUPPY FROM: EDPL
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 250 A
MCB FRAME / MCB SIZE: 250 A / 125 A

INTERRUPTING RATING (kA SYMMETRICAL): 25 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	CU	CU-6	100 A	20 A	2	1	1.394			0.936			2	2	15 A	100 A	CU-7	CU	
	--	--	--	--	--	3		1.394			0.936		4	--	--	--	--	--	
	FLS	FACP	100 A	20 A	1	5			0.3			0.792	6	1	20 A	100 A	EF-1	FANS	
	FLS	NAC	100 A	20 A	1	7	0.3			0.936			8	2	15 A	100 A	CU-3	CU	
	FANS	EF-2	100 A	20 A	1	9		0.012			0.936		10	--	--	--	--	--	
	CU	CU-4	100 A	15 A	2	11			0.936			0.3	12	1	20 A	100 A	DDC PNL	EQC	
	--	--	--	--	--	13	0.936			0.18			14	1	20 A	100 A	EWC	REC	
	PUMPS	DCP-1	100 A	20 A	1	15		0.011			0.06		16	1	20 A	100 A	VESTIBULE 102 - ENTRANCE...	REC	
	REC	EWC	100 A	20 A	1	17			0.18			0.18	18	1	20 A	100 A	EWC	REC	
	REC	EWC	100 A	20 A	1	19	0.18			0.06			20	1	20 A	100 A	EF-3	EQC	
	LTG	LTG TIME CLOCK	100 A	20 A	1	21		0			0.06		22	1	20 A	400 A	VESTIBULE 130 - ENTRANCE...	REC	
	--	SPARE	100 A	20 A	1	23			0			0	24	1	20 A	400 A	SPARE	--	
	--	SPARE	100 A	20 A	1	25	0			0			26	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	27		0			0		28	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	29			0			0	30	1	20 A	100 A	SPARE	--	
	--	SPACE	--	--	1	31	--			0			32	1	20 A	100 A	SPARE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	4.922 kVA		3.409 kVA		2.688 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
LTG	0 kVA	0.00%	0 kVA
REC	0.84 kVA	100.00%	0.84 kVA
EQC	0.36 kVA	125.00%	0.45 kVA
PUMPS	0.011 kVA	60.00%	0.007 kVA
FANS	0.804 kVA	75.00%	0.603 kVA
CU	8.403 kVA	75.00%	6.302 kVA
FLS	0.6 kVA	100.00%	0.6 kVA

TOTAL LOAD SUMMARY			
LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	11.018 kVA	CONNECTED CURRENT:	30.6 A
ESTIMATED DEMAND LOAD:	8.802 kVA	ESTIMATED DEMAND CURRENT:	24.4 A
ESTIMATED DEMAND FACTOR:	79.89%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	8.802 kVA	ESTIMATED CURRENT WITH SPARE:	24 A

PANELBOARD NOTES:

PANELBOARD: EPL1-2

LOCATION: TELECOM 171
SUPPY FROM: EDPL
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 100 A
MCB FRAME / MCB SIZE: 100 A / 125 A

INTERRUPTING RATING (kA SYMMETRICAL): 25 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	REC	REC TELECOM 171	100 A	20 A	1	1	0.72			0.18			2	1	20 A	100 A	REC TELECOM 171	REC	
	TELCO	REC TELECOM 171	100 A	20 A	1	3		0.75			0.75		4	1	20 A	100 A	REC TELECOM 171	TELCO	
	TELCO	REC TELECOM 171	100 A	20 A	1	5			0.75			0.75	6	1	20 A	100 A	REC TELECOM 171	TELCO	
	EQN	SYSTEM 1 POWER CIRCUIT	100 A	20 A	1	7	1.2			0			8	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	9		0			0		10	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	11			0			0	12	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	13	0			0			14	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	15		0			0		16	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	17			0			0	18	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	19	0			0			20	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	21		0			0		22	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	23			0			0	24	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	25	0			0			26	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	27		0			0		28	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	29			0			0	30	1	20 A	100 A	SPARE	--	
	--	SPACE	--	--	1	31	--			--			32	1	--	--	SPACE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	2.1 kVA		1.5 kVA		1.5 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
REC	0.9 kVA	100.00%	0.9 kVA
EQN	1.2 kVA	75.00%	0.9 kVA
TELCO	3 kVA	100.00%	3 kVA

TOTAL LOAD SUMMARY			
LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	5.100 kVA	CONNECTED CURRENT:	14.2 A
ESTIMATED DEMAND LOAD:	4.800 kVA	ESTIMATED DEMAND CURRENT:	13.3 A
ESTIMATED DEMAND FACTOR:	94.12%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	4.8 kVA	ESTIMATED CURRENT WITH SPARE:	13 A

PANELBOARD NOTES:

PANELBOARD: EPL1-3

LOCATION: TELECOM 143
SUPPY FROM: EDPL
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 250 A
MCB FRAME / MCB SIZE: 250 A / 125 A

INTERRUPTING RATING (kA SYMMETRICAL): 25 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	REC	REC TELECOM 143	100 A	20 A	1	1	0.9			0.75			2	1	20 A	100 A	REC TELECOM 143 - AV CABINET	TELCO	
	TELCO	REC TELECOM 143	100 A	20 A	1	3		0.75			0.75		4	1	20 A	100 A	REC TELECOM 143	TELCO	
	TELCO	REC TELECOM 143	100 A	20 A	1	5			0.75			0.75	6	1	20 A	100 A	REC TELECOM 143	TELCO	
	EQN	SYSTEM 1 POWER CIRCUIT	100 A	20 A	1	7	1.2			0			8	1	20 A	100 A	SPARE	--	
	REC	SP-1 RECEPTACLE	400 A	20 A	1	9		0.96			0		10	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	11			0			0	12	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	13	0			0			14	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	15		0			0		16	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	17			0			0	18	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	19	0			0			20	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	21		0			0		22	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	23			0			0	24	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	25	0			0			26	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	27		0			0		28	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	29			0			0	30	1	20 A	100 A	SPARE	--	
	--	SPACE	--	--	1	31	--			--			32	1	--	--	SPACE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	2.85 kVA		2.46 kVA		1.5 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
REC	1.86 kVA	100.00%	1.86 kVA
EQN	1.2 kVA	75.00%	0.9 kVA
TELCO	3.75 kVA	100.00%	3.75 kVA

TOTAL LOAD SUMMARY			
LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	6.810 kVA	CONNECTED CURRENT:	18.9 A
ESTIMATED DEMAND LOAD:	6.510 kVA	ESTIMATED DEMAND CURRENT:	18.1 A
ESTIMATED DEMAND FACTOR:	95.59%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	6.51 kVA	ESTIMATED CURRENT WITH SPARE:	18 A

PANELBOARD NOTES:

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/D

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PANEL SCHEDULES

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY J. FRIEDBERG
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E503
REV.

PLOT DATE/TIME: 4/22/2022 10:34:41 AM

PANELBOARD: EPL1-4

LOCATION: TELECOM 251
SUPPY FROM: EDPL
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 250 A
MCB FRAME / MCB SIZE: 250 A / 125 A

INTERRUPTING RATING (kA SYMMETRICAL): 25 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	REC	REC TELECOM 251	100 A	20 A	1	1	0.72			0.18			2	1	20 A	100 A	REC TELECOM 251	REC	
	TELCO	REC TELECOM 251	100 A	20 A	1	3		0.75			0.75		4	1	20 A	100 A	REC TELECOM 251	TELCO	
	TELCO	REC TELECOM 251	100 A	20 A	1	5			0.75			0.75	6	1	20 A	100 A	REC TELECOM 251	TELCO	
	--	SPARE	100 A	20 A	1	7	0			0			8	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	9		0			0		10	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	11			0			0	12	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	13	0			0			14	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	15		0			0		16	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	17			0			0	18	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	19	0			0			20	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	21		0			0		22	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	23			0			0	24	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	25	0			0			26	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	27		0			0		28	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	29			0			0	30	1	20 A	100 A	SPARE	--	
	--	SPACE	--	--	1	31	--			--			32	1	--	--	SPACE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	0.9 kVA		1.5 kVA		1.5 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
REC	0.9 kVA	100.00%	0.9 kVA
TELCO	3 kVA	100.00%	3 kVA

TOTAL LOAD SUMMARY			
LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	3.900 kVA	CONNECTED CURRENT:	10.8 A
ESTIMATED DEMAND LOAD:	3.900 kVA	ESTIMATED DEMAND CURRENT:	10.8 A
ESTIMATED DEMAND FACTOR:	100.00%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	3.9 kVA	ESTIMATED CURRENT WITH SPARE:	11 A

PANELBOARD NOTES:

PANELBOARD: EPL1-5

LOCATION: LAN/IT ROOM 223
SUPPY FROM: EDPL
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 100 A
MCB FRAME / MCB SIZE: 100 A / 125 A

INTERRUPTING RATING (kA SYMMETRICAL): 25 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	REC	REC LAN/IT ROOM 223	100 A	20 A	1	1	1.08			0.18			2	1	20 A	100 A	REC LAN/IT ROOM 223	REC	
	TELCO	REC LAN/IT ROOM 223	100 A	20 A	1	3		0.75			0.75		4	1	20 A	100 A	REC LAN/IT ROOM 223	TELCO	
	TELCO	REC LAN/IT ROOM 223	100 A	20 A	1	5			0.75			0.75	6	1	20 A	100 A	REC LAN/IT ROOM 223	TELCO	
	TELCO	REC LAN/IT ROOM 223	100 A	20 A	1	7	0.75			0.75			8	1	20 A	100 A	REC LAN/IT ROOM 223	TELCO	
	TELCO	REC LAN/IT ROOM 223	100 A	20 A	1	9		0.75			0.75		10	1	20 A	100 A	REC LAN/IT ROOM 223	TELCO	
	TELCO	REC LAN/IT ROOM 223	100 A	20 A	1	11			0.75			0.75	12	1	20 A	100 A	REC LAN/IT ROOM 223	TELCO	
	TELCO	REC LAN/IT ROOM 223	100 A	20 A	1	13	0.75			0.75			14	1	20 A	100 A	REC LAN/IT ROOM 223	TELCO	
	TELCO	REC LAN/IT ROOM 223	100 A	20 A	1	15		0.75			0.75		16	1	20 A	100 A	REC LAN/IT ROOM 223	TELCO	
	TELCO	REC LAN/IT ROOM 223	100 A	20 A	1	17			0.75			0.75	18	1	20 A	100 A	REC LAN/IT ROOM 223	TELCO	
	TELCO	REC LAN/IT ROOM 223	100 A	20 A	1	19	0.75			0.75			20	1	20 A	100 A	REC LAN/IT ROOM 223	TELCO	
	TELCO	REC LAN/IT ROOM 223	100 A	20 A	1	21		0.75			0.75		22	1	20 A	100 A	REC LAN/IT ROOM 223	TELCO	
	EQN	SYSTEM 1 POWER CIRCUIT	100 A	20 A	1	23			1.2			0	24	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	25	0			0			26	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	27		0			0		28	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	29			0			0	30	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	31	0			--			32	1	--	--	SPACE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	5.76 kVA		6 kVA		5.7 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
REC	1.26 kVA	100.00%	1.26 kVA
EQN	1.2 kVA	75.00%	0.9 kVA
TELCO	15 kVA	100.00%	15 kVA

TOTAL LOAD SUMMARY			
LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	17.460 kVA	CONNECTED CURRENT:	48.5 A
ESTIMATED DEMAND LOAD:	17.160 kVA	ESTIMATED DEMAND CURRENT:	47.6 A
ESTIMATED DEMAND FACTOR:	98.28%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	17.16 kVA	ESTIMATED CURRENT WITH SPARE:	48 A

PANELBOARD NOTES:

PANELBOARD: NPH1

LOCATION: ELEC 170
SUPPY FROM: NDPH
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 480/277V,3P,4W,60Hz
BUS AMPS: 250 A
MCB FRAME / MCB SIZE: 250 A / 250 A

INTERRUPTING RATING (kA SYMMETRICAL): 35 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	LTG	LTG - UTILITY RM & RESTROOMS	100 A	20 A	1	1	0.843			1.672			2	1	20 A	100 A	LTG - NORTHEAST	LTG	
	LTG	LTG - SOUTHEAST	100 A	20 A	1	3		1.909			5		4	1	25 A	100 A	VAV-1-32	VAV	
	LTG	LTG - VESTIBULE & CORRIDOR	100 A	20 A	1	5			0.991			4	6	1	20 A	100 A	VAV-1-38	VAV	
	VAV	VAV-1-33	100 A	15 A	1	7	2			2			8	1	15 A	100 A	VAV-1-28	VAV	
	VAV	VAV-1-23	100 A	20 A	1	9		3			2		10	1	15 A	100 A	VAV-1-01	VAV	
	VAV	VAV-1-26	100 A	15 A	1	11			1			1	12	1	15 A	100 A	VAV-1-36	VAV	
	VAV	VAV-1-37	100 A	15 A	1	13	1			2			14	1	15 A	100 A	VAV-1-24	VAV	
	VAV	VAV-1-22	100 A	15 A	1	15		1			2		16	1	15 A	100 A	VAV-1-05	VAV	
	VAV	VAV-1-02	100 A	15 A	1	17			1			1	18	1	15 A	100 A	VAV-1-25	VAV	
	VAV	VAV-1-31	100 A	15 A	1	19	1			5			20	1	25 A	100 A	VAV-1-15	VAV	
	VAV	VAV-1-14	100 A	15 A	1	21		2			5		22	1	25 A	100 A	VAV-1-04	VAV	
	VAV	VAV-1-03	100 A	25 A	1	23			5			4.576	24	2	30 A	100 A	DHWH-1	WH	
	LTG	MLCP-1	100 A	20 A	1	25	1.5			4.576			26	--	--	--	--	--	
	LTG	LTG - LCPs NORTHEAST	100 A	20 A	1	27		1.4			1.4		28	1	20 A	100 A	LTG - LCPs SOUTHEAST	LTG	
	--	SPARE	100 A	20 A	1	29			0			0	30	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	31	0			0			32	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	33		0			0		34	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	35			0			0	36	1	20 A	100 A	SPARE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	21.577 kVA		24.701 kVA		18.567 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
LTG	9.7 kVA	125.00%	12.125 kVA
VAV	46 kVA	60.00%	27.6 kVA
WH	9.152 kVA	50.00%	4.576 kVA

TOTAL LOAD SUMMARY			
LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	64.844 kVA	CONNECTED CURRENT:	78.0 A
ESTIMATED DEMAND LOAD:	44.293 kVA	ESTIMATED DEMAND CURRENT:	53.3 A
ESTIMATED DEMAND FACTOR:	68.31%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	44.293 kVA	ESTIMATED CURRENT WITH SPARE:	53 A

PANELBOARD NOTES:

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
03/11/22
PROFESSIONAL ENGINEER

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/D

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PANEL SCHEDULES

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY M. BECKER
DRAWN BY J. FRIEDBERG
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E504
REV.

PLOT DATE/TIME: 4/22/2022 10:34:44 AM

PANELBOARD: NPH2

LOCATION: ELEC 142
SUPPY FROM: NDPH
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 480/277V,3P,4W,60Hz
BUS AMPS: 250 A
MCB FRAME / MCB SIZE: 250 A / 250 A

INTERRUPTING RATING (kA SYMMETRICAL): 35 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	LTG	LTG - UTILITY ROOMS	100 A	20 A	1	1	0.32			0.96			2	1	20 A	100 A	LTG - NORTHWEST	LTG	
	LTG	LTG - SOUTHWEST	100 A	20 A	1	3		1.321			1.166		4	1	20 A	100 A	LTG - CONFERENCE ROOMS	LTG	
	VAV	VAV-1-06	100 A	20 A	3	5			3			3	6	3	20 A	100 A	VAV-1-07	VAV	
	--	--	--	--	--	7	3			3			8	--	--	--	--	--	
	--	--	--	--	--	9		3			3		10	--	--	--	--	--	
	VAV	VAV-1-10	100 A	20 A	1	11			4			4	12	1	20 A	100 A	VAV-1-11	VAV	
	VAV	VAV-1-12	100 A	25 A	1	13	5			1			14	1	15 A	100 A	VAV-1-13	VAV	
	VAV	VAV-1-39	100 A	15 A	1	15		1			1		16	1	15 A	100 A	VAV-1-16	VAV	
	VAV	VAV-1-20	100 A	20 A	1	17			3			3	18	1	20 A	100 A	VAV-1-27	VAV	
	VAV	VAV-1-21	100 A	20 A	1	19	3			3			20	1	20 A	100 A	VAV-1-30	VAV	
	VAV	VAV-1-35	100 A	15 A	1	21		1			1		22	1	15 A	100 A	VAV-1-17	VAV	
	VAV	VAV-1-18	100 A	20 A	1	23			3			1	24	1	15 A	100 A	VAV-1-19	VAV	
	VAV	VAV-1-08	100 A	20 A	1	25	4			2			26	1	15 A	100 A	VAV-1-09	VAV	
	VAV	VAV-1-34	100 A	25 A	1	27		5			3		28	1	20 A	100 A	VAV-1-29	VAV	
	LTG	LIGHTING CONTROL PANELS	100 A	20 A	1	29			1.4			0	30	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	31	0			0			32	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	33		0			0		34	1	20 A	100 A	SPARE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	25.279 kVA		20.48 kVA		25.4 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
LTG	5.162 kVA	125.00%	6.452 kVA
VAV	66 kVA	60.00%	39.6 kVA

TOTAL LOAD SUMMARY

	LOAD (kVA)		CURRENT (AMPS)
CONNECTED LOAD:	71.159 kVA	CONNECTED CURRENT:	85.6 A
ESTIMATED DEMAND LOAD:	46.049 kVA	ESTIMATED DEMAND CURRENT:	55.4 A
ESTIMATED DEMAND FACTOR:	64.71%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	46.049 kVA	ESTIMATED CURRENT WITH SPARE:	55 A

PANELBOARD NOTES:

PANELBOARD: NPH3

LOCATION: ELEC 250
SUPPY FROM: NDPH
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 480/277V,3P,4W,60Hz
BUS AMPS: 250 A
MCB FRAME / MCB SIZE: 250 A / 250 A

INTERRUPTING RATING (kA SYMMETRICAL): 35 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	LTG	LTG - UTILITY RM & RESTROOMS	100 A	20 A	1	1	0.619			1.15			2	1	20 A	100 A	LTG - OPEN OFFICE 211	LTG	
	LTG	LTG - OPEN OFFICE 230 AREA	100 A	20 A	1	3		1.232			1.511		4	1	20 A	100 A	LTG - CORRIDORS & OFFICES	LTG	
	RTU	RTU-4	225 A	110 A	3	5			23.278			22.17	6	3	100 A	100 A	RTU-3	RTU	
	--	--	--	--	--	7	23.278			22.17			8	--	--	--	--	--	
	--	--	--	--	--	9		23.278			22.17		10	--	--	--	--	--	
	VAV	VAV-2-14	100 A	20 A	1	11			4			4	12	1	20 A	100 A	VAV-2-15	VAV	
	VAV	VAV-2-12	100 A	20 A	1	13	3			4			14	1	20 A	100 A	VAV-2-30	VAV	
	VAV	VAV-2-27	100 A	20 A	1	15		3			2		16	1	15 A	100 A	VAV-2-19	VAV	
	VAV	VAV-2-24	100 A	15 A	1	17			2			3	18	1	20 A	100 A	VAV-2-18	VAV	
	VAV	VAV-2-29	100 A	15 A	1	19	1			1			20	1	15 A	100 A	VAV-2-23	VAV	
	VAV	VAV-2-31	100 A	15 A	1	21		1			5		22	1	25 A	100 A	VAV-2-05	VAV	
	VAV	VAV-2-06	100 A	25 A	1	23			5			5	24	1	25 A	100 A	VAV-2-07	VAV	
	LTG	LTG - LCPs NORTHEAST	100 A	20 A	1	25	1.4			0.98			26	1	20 A	100 A	LTG - LCPs SOUTHEAST	LTG	
	--	SPARE	100 A	20 A	1	27		0			0		28	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	29			0			0	30	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	31	0			0			32	1	20 A	100 A	SPARE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	58.597 kVA		59.161 kVA		68.448 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
LTG	6.869 kVA	125.00%	8.586 kVA
RTU	136.343 kVA	75.00%	102.257 kVA
VAV	43 kVA	60.00%	25.8 kVA

TOTAL LOAD SUMMARY

	LOAD (kVA)		CURRENT (AMPS)
CONNECTED LOAD:	186.205 kVA	CONNECTED CURRENT:	224.0 A
ESTIMATED DEMAND LOAD:	136.635 kVA	ESTIMATED DEMAND CURRENT:	164.3 A
ESTIMATED DEMAND FACTOR:	73.38%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	136.635 kVA	ESTIMATED CURRENT WITH SPARE:	164 A

PANELBOARD NOTES:

PANELBOARD: NPH4

LOCATION: ELEC 221
SUPPY FROM: NDPH
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 480/277V,3P,4W,60Hz
BUS AMPS: 250 A
MCB FRAME / MCB SIZE: 250 A / 250 A

INTERRUPTING RATING (kA SYMMETRICAL): 35 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	LTG	LTG - UTILITY ROOMS	100 A	20 A	1	1	0.346			1.481			2	1	20 A	100 A	LTG - OPEN OFFICE 210 & CONF...	LTG	
	LTG	LTG - OPEN OFFICE 230 AREA	100 A	20 A	1	3		1.68			1.293		4	1	20 A	100 A	LTG - CORRIDORS & OFFICES	LTG	
	RTU	RTU-1	100 A	100 A	3	5			20.23			18.29	6	3	90 A	100 A	RTU-2	RTU	
	--	--	--	--	--	7	20.23			18.29			8	--	--	--	--	--	
	--	--	--	--	--	9		20.23			18.29		10	--	--	--	--	--	
	VAV	VAV-2-01	100 A	15 A	3	11			2			2	12	3	15 A	100 A	VAV-2-04	VAV	
	--	--	--	--	--	13	2			2			14	--	--	--	--	--	
	--	--	--	--	--	15		2			2		16	--	--	--	--	--	
	VAV	VAV-2-02	100 A	25 A	1	17			5			5	18	1	25 A	100 A	VAV-2-03	VAV	
	VAV	VAV-2-11	100 A	15 A	1	19	1			3			20	1	20 A	100 A	VAV-2-28	VAV	
	VAV	VAV-2-25	100 A	15 A	1	21		1			1		22	1	15 A	100 A	VAV-2-21	VAV	
	VAV	VAV-2-26	100 A	20 A	1	23			4			3	24	1	20 A	100 A	VAV-2-22	VAV	
	VAV	VAV-2-17	100 A	15 A	1	25	1			2			26	1	15 A	100 A	VAV-2-20	VAV	
	VAV	VAV-2-16	100 A	15 A	1	27		2			5		28	1	25 A	100 A	VAV-2-08	VAV	
	VAV	VAV-2-09	100 A	20 A	1	29			4			4	30	1	20 A	100 A	VAV-2-10	VAV	
	VAV	VAV-2-13	100 A	20 A	1	31	3			0			32	1	20 A	100 A	SPARE	--	
	LTG	LIGHTING CONTROL PANELS	100 A	20 A	1	33		1.82			--		34	1	--	--	SPACE	--	
	--	SPARE	100 A	20 A	1	35			0			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	54.347 kVA		56.28 kVA		67.52 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
LTG	6.593 kVA	125.00%	8.241 kVA
RTU	115.559 kVA	75.00%	86.669 kVA
VAV	56 kVA	60.00%	33.6 kVA

TOTAL LOAD SUMMARY

	LOAD (kVA)		CURRENT (AMPS)
CONNECTED LOAD:	178.145 kVA	CONNECTED CURRENT:	214.3 A
ESTIMATED DEMAND LOAD:	128.503 kVA	ESTIMATED DEMAND CURRENT:	154.6 A
ESTIMATED DEMAND FACTOR:	72.13%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	128.503 kVA	ESTIMATED CURRENT WITH SPARE:	155 A

PANELBOARD NOTES:

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/D

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PANEL SCHEDULES

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY M. BECKER
DRAWN BY J. FRIEDBERG
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022
JCN: 21001763
DRAWING NO. DCCA - D - ADM - E505
REV.

PLOT DATE/TIME: 4/22/2022 10:34:47 AM

PANELBOARD: NPL1-1

LOCATION: ELEC 170
SUPPY FROM: T-NPL1
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 250 A
MCB FRAME / MCB SIZE: 250 A / 250 A

INTERRUPTING RATING (kA SYMMETRICAL): 22 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: Yes

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	FURN	FURNITURE 1A.5 CKT 1	100 A	20 A	1	1	1.08			1.08			2	1	20 A	100 A	FURNITURE 1A.6 CKT 1	FURN	
	FURN	FURNITURE 1A.5 CKT 2	100 A	20 A	1	3		1.08			1.08		4	1	20 A	100 A	FURNITURE 1A.6 CKT 2	FURN	
	FURN	FURNITURE 1A.5 CKT 3	100 A	20 A	1	5			1.08			1.08	6	1	20 A	100 A	FURNITURE 1A.6 CKT 3	FURN	
	FURN	FURNITURE 1A.5 CKT 4	100 A	20 A	1	7	1.08			1.08			8	1	20 A	100 A	FURNITURE 1A.6 CKT 4	FURN	
	FURN	FURNITURE 1A.7 CKT 1	100 A	20 A	1	9		1.08			1.08		10	1	20 A	100 A	FURNITURE 1B.3 CKT 1	FURN	
	FURN	FURNITURE 1A.7 CKT 2	100 A	20 A	1	11			1.08			1.08	12	1	20 A	100 A	FURNITURE 1B.3 CKT 2	FURN	
	FURN	FURNITURE 1A.7 CKT 3	100 A	20 A	1	13	1.08			1.08			14	1	20 A	100 A	FURNITURE 1B.3 CKT 3	FURN	
	FURN	FURNITURE 1A.7 CKT 4	100 A	20 A	1	15		1.08			1.08		16	1	20 A	100 A	FURNITURE 1B.3 CKT 4	FURN	
	--	SPARE	100 A	20 A	1	17			0			0	18	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	19	0			0			20	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	21		0			0		22	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	23			0			0	24	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	25	0			0			26	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	27		0			0		28	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	29			0			0	30	1	20 A	100 A	SPARE	--	
	--	SPACE	--	--	1	31	--			--			32	1	--	--	SPACE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	18.372 kVA		16.44 kVA		10.404 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
REC	20.22 kVA	74.73%	15.11 kVA
EQN	0.372 kVA	75.00%	0.279 kVA
FURN	23.04 kVA	71.70%	16.52 kVA
UH	1.584 kVA	60.00%	0.95 kVA

TOTAL LOAD SUMMARY

LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	45.216 kVA	CONNECTED CURRENT:	125.5 A
ESTIMATED DEMAND LOAD:	32.859 kVA	ESTIMATED DEMAND CURRENT:	91.2 A
ESTIMATED DEMAND FACTOR:	72.67%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	32.859 kVA	ESTIMATED CURRENT WITH SPARE:	91 A

PANELBOARD NOTES:

PANELBOARD: NPL1-2

LOCATION: ELEC 170
SUPPY FROM: NPL1-1
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 100 A
MCB FRAME / MCB SIZE: 100 A / 100 A

INTERRUPTING RATING (kA SYMMETRICAL): 22 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: Yes

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	FURN	FURNITURE 1C.7 CKT 1	100 A	20 A	1	1	1.44			1.44			2	1	20 A	100 A	FURNITURE 1C.6 CKT 1	FURN	
	FURN	FURNITURE 1C.7 CKT 2	100 A	20 A	1	3		1.44			1.44		4	1	20 A	100 A	FURNITURE 1C.6 CKT 2	FURN	
	UH	UH-2	100 A	20 A	1	5			0.792			0.792	6	1	20 A	100 A	UH-3	UH	
	EQN	TP-2	100 A	20 A	1	7	0.012			0			8	1	20 A	100 A	SPARE	--	
	REC	PLC-1 TO PLC-7	100 A	20 A	1	9		0.42			0		10	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	11			0			0	12	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	13	0			0			14	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	15		0			0		16	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	17			0			0	18	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	19	0			0			20	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	21		0			0		22	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	23			0			0	24	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	25	0			0			26	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	27		0			0		28	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	29			0			0	30	1	20 A	100 A	SPARE	--	
	--	SPACE	--	--	1	31	--			--			32	1	--	--	SPACE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	11.892 kVA		9.96 kVA		6.084 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
REC	20.22 kVA	74.73%	15.11 kVA
EQN	0.372 kVA	75.00%	0.279 kVA
FURN	5.76 kVA	100.00%	5.76 kVA
UH	1.584 kVA	60.00%	0.95 kVA

TOTAL LOAD SUMMARY

LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	27.936 kVA	CONNECTED CURRENT:	77.5 A
ESTIMATED DEMAND LOAD:	22.099 kVA	ESTIMATED DEMAND CURRENT:	61.3 A
ESTIMATED DEMAND FACTOR:	79.11%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	22.099 kVA	ESTIMATED CURRENT WITH SPARE:	61 A

PANELBOARD NOTES:

PANELBOARD: NPL1-3

LOCATION: ELEC 170
SUPPY FROM: NPL1-2
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 100 A
MCB FRAME / MCB SIZE: 100 A / 100 A

INTERRUPTING RATING (kA SYMMETRICAL): 22 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: Yes

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	REC	REC OFFICE 159	100 A	20 A	1	1	1.62			1.44			2	1	20 A	100 A	REC OFFICE 161	REC	
	REC	REC OFFICE 161	100 A	20 A	1	3		1.44			1.44		4	1	20 A	100 A	REC OFFICE 165	REC	
	REC	REC OFFICE 172	100 A	20 A	1	5			1.44			0.54	6	1	20 A	100 A	REC ELEC 170	REC	
	REC	REC OFFICE 168	100 A	20 A	1	7	1.44			1.62			8	1	20 A	100 A	REC JC 124	REC	
	REC	REC	100 A	20 A	1	9		0.18			1.08		10	1	20 A	100 A	REC SPRINKLER ROOM 131	REC	
	REC	REC CONFERENCE ROOM 122	100 A	20 A	1	11			0.9			0.18	12	1	20 A	100 A	REC PRINT/COPY 174	REC	
	REC;...	REC PRINT/COPY 174	100 A	20 A	1	13	0.9			0.72			14	1	20 A	100 A	REC Space 135	REC	
	REC	REC CORRIDOR 170A	100 A	20 A	1	15		1.26			0.9		16	1	20 A	100 A	REC BREAK RM 158	REC	
	REC	REC BREAK RM 158	100 A	20 A	1	17			0.18			0.18	18	1	20 A	100 A	REC BREAK RM 158	REC	
	REC;...	REC WAITING AREA 103	100 A	20 A	1	19	0.9			0.36			20	1	20 A	100 A	REC CORRIDOR 100A	REC	
	REC	REC FRIDGE BREAK RM 158	100 A	20 A	1	21		0.18			0.18		22	1	20 A	100 A	REC FRIDGE BREAK RM 158	REC	
	REC	REC VESTIBULE 130 & STORAG...	100 A	20 A	1	23			1.08			0	24	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	25	0			0			26	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	27		0			0		28	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	29			0			0	30	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	31	0			--			32	1	--	--	SPACE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	9 kVA		6.66 kVA		4.5 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
REC	19.8 kVA	75.25%	14.9 kVA
EQN	0.36 kVA	75.00%	0.27 kVA

TOTAL LOAD SUMMARY

LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	20.160 kVA	CONNECTED CURRENT:	56.0 A
ESTIMATED DEMAND LOAD:	15.170 kVA	ESTIMATED DEMAND CURRENT:	42.1 A
ESTIMATED DEMAND FACTOR:	75.25%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	15.17 kVA	ESTIMATED CURRENT WITH SPARE:	42 A

PANELBOARD NOTES:

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/VD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PANEL SCHEDULES

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY M. BECKER
DRAWN BY J. FRIEDBERG
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E506
REV.

PLOT DATE/TIME: 4/22/2022 10:34:50 AM

PANELBOARD: NPL2-1

LOCATION: ELEC 142
SUPPY FROM: T-NPL2
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 250 A
MCB FRAME / MCB SIZE: 250 A / 250 A

INTERRUPTING RATING (kA SYMMETRICAL): 22 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	FURN	FURNITURE 1A.1 CKT 1	100 A	20 A	1	1	1.08			1.08			2	1	20 A	100 A	FURNITURE 1A.2 CKT 1	FURN	
	FURN	FURNITURE 1A.1 CKT 2	100 A	20 A	1	3		1.08			1.08		4	1	20 A	100 A	FURNITURE 1A.2 CKT 2	FURN	
	FURN	FURNITURE 1A.1 CKT 3	100 A	20 A	1	5			1.08			1.08	6	1	20 A	100 A	FURNITURE 1A.2 CKT 3	FURN	
	FURN	FURNITURE 1A.1 CKT 4	100 A	20 A	1	7	1.08			1.08			8	1	20 A	100 A	FURNITURE 1A.2 CKT 4	FURN	
	FURN	FURNITURE 1A.3 CKT 1	100 A	20 A	1	9		1.08			1.08		10	1	20 A	100 A	FURNITURE 1A.4 CKT 1	FURN	
	FURN	FURNITURE 1A.3 CKT 2	100 A	20 A	1	11			1.08			1.08	12	1	20 A	100 A	FURNITURE 1A.4 CKT 2	FURN	
	FURN	FURNITURE 1A.3 CKT 3	100 A	20 A	1	13	1.08			1.08			14	1	20 A	100 A	FURNITURE 1A.4 CKT 3	FURN	
	FURN	FURNITURE 1A.3 CKT 4	100 A	20 A	1	15		1.08			1.08		16	1	20 A	100 A	FURNITURE 1A.4 CKT 4	FURN	
	FURN	FURNITURE 1B.1 CKT 1	100 A	20 A	1	17			1.08			1.5	18	2	20 A	100 A	EXISTING ELEVATOR...	EQN	
	FURN	FURNITURE 1B.1 CKT 2	100 A	20 A	1	19	1.08			1.5			20	--	--	--	--	--	
	FURN	FURNITURE 1B.1 CKT 3	100 A	20 A	1	21		1.08			0		22	1	20 A	100 A	SPARE	--	
	FURN	FURNITURE 1B.1 CKT 4	100 A	20 A	1	23			1.08			0	24	1	20 A	100 A	SPARE	--	
	FURN	FURNITURE 1B.2	100 A	20 A	1	25	1.44			0			26	1	20 A	100 A	SPARE	--	
	EQN	EXISTING ELEVATOR PIT	100 A	20 A	1	27		1.5			0		28	1	20 A	100 A	SPARE	--	
	EQN	EXISTING ELEVATOR MACH. LTG	100 A	20 A	1	29			1.5			0	30	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	31	0			--			32	1	--	--	SPACE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	20.4 kVA		17.772 kVA		15.42 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
REC	18.72 kVA	76.71%	14.36 kVA
EQN	6.72 kVA	75.00%	5.04 kVA
FURN	27.36 kVA	68.27%	18.68 kVA
UH	0.792 kVA	60.00%	0.475 kVA

TOTAL LOAD SUMMARY

LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	53.592 kVA	CONNECTED CURRENT:	148.8 A
ESTIMATED DEMAND LOAD:	38.555 kVA	ESTIMATED DEMAND CURRENT:	107.0 A
ESTIMATED DEMAND FACTOR:	71.94%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	38.555 kVA	ESTIMATED CURRENT WITH SPARE:	107 A

PANELBOARD NOTES:

PANELBOARD: NPL2-2

LOCATION: ELEC 142
SUPPY FROM: NPL2-1
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 100 A
MCB FRAME / MCB SIZE: 100 A / 100 A

INTERRUPTING RATING (kA SYMMETRICAL): 22 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	FURN	FURNITURE 1C.1 CKT 1	100 A	20 A	1	1	0.54			0.54			2	1	20 A	100 A	FURNITURE 1C.2 CKT 1	FURN	
	FURN	FURNITURE 1C.1 CKT 2	100 A	20 A	1	3		0.54			0.54		4	1	20 A	100 A	FURNITURE 1C.2 CKT 2	FURN	
	FURN	FURNITURE 1C.3 CKT 1	100 A	20 A	1	5			0.54			0.54	6	1	20 A	100 A	FURNITURE 1C.4 CKT 1	FURN	
	FURN	FURNITURE 1C.3 CKT 2	100 A	20 A	1	7	0.54			0.54			8	1	20 A	100 A	FURNITURE 1C.4 CKT 2	FURN	
	UH	UH-1	100 A	20 A	1	9		0.792			0.36		10	1	20 A	100 A	PLC-8 TO PLC-13	REC	
	--	SPARE	100 A	20 A	1	11			0			0	12	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	13	0			0			14	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	15		0			0		16	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	17			0			0	18	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	19	0			0			20	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	21		0			0		22	1	20 A	100 A	SPARE	--	
	--	SPACE	--	--	1	23			--			--	24	1	--	--	SPACE	--	
	--	SPACE	--	--	1	25	--			--			26	1	--	--	SPACE	--	
	--	SPACE	--	--	1	27		--			--		28	1	--	--	SPACE	--	
	--	SPACE	--	--	1	29			--			--	30	1	--	--	SPACE	--	
	--	SPACE	--	--	1	31	--			--			32	1	--	--	SPACE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	9.9 kVA		8.712 kVA		5.94 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
REC	18.72 kVA	76.71%	14.36 kVA
EQN	0.72 kVA	75.00%	0.54 kVA
FURN	4.32 kVA	100.00%	4.32 kVA
UH	0.792 kVA	60.00%	0.475 kVA

TOTAL LOAD SUMMARY

LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	24.552 kVA	CONNECTED CURRENT:	68.1 A
ESTIMATED DEMAND LOAD:	19.695 kVA	ESTIMATED DEMAND CURRENT:	54.7 A
ESTIMATED DEMAND FACTOR:	80.22%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	19.695 kVA	ESTIMATED CURRENT WITH SPARE:	55 A

PANELBOARD NOTES:

PANELBOARD: NPL2-3

LOCATION: ELEC 142
SUPPY FROM: NPL2-2
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 100 A
MCB FRAME / MCB SIZE: 100 A / 100 A

INTERRUPTING RATING (kA SYMMETRICAL): 22 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	REC	REC ELEC/TEL 132	100 A	20 A	1	1	0.9			1.26			2	1	20 A	100 A	REC OPEN OFFICE 120	REC	
	REC	REC OPEN OFFICE 120	100 A	20 A	1	3		0.18			1.44		4	1	20 A	100 A	REC FOCUS 145	REC	
	REC;...	REC EXECUTIVE HOTELING 140	100 A	20 A	1	5			1.26			0.18	6	1	20 A	100 A	REC OPEN OFFICE 110	REC	
	REC;...	REC CONFERENCE ROOM 144	100 A	20 A	1	7	1.26			0.72			8	1	20 A	100 A	REC TELECOM 143	REC	
	REC	REC RECEPTION 101	100 A	20 A	1	9		1.08			1.26		10	1	20 A	100 A	REC	REC	
	REC;...	REC CONFERENCE ROOM 153	100 A	20 A	1	11			1.08			1.08	12	1	20 A	100 A	REC CONFERENCE ROOM 154	REC;...	
	REC	REC FURNITURE STORAGE 105	100 A	20 A	1	13	1.08			1.44			14	1	20 A	100 A	REC CONFERENCE ROOM 151	REC	
	REC	REC CONFERENCE ROOM 152	100 A	20 A	1	15		1.08			0.72		16	1	20 A	100 A	REC CONFERENCE ROOM 152	REC	
	REC	PHONE BOOTH - DEDICATED...	100 A	20 A	1	17			0.54			0.36	18	1	20 A	100 A	REC CONFERENCE ROOM 152	REC	
	REC	REC CORRIDOR 110A	100 A	20 A	1	19	0.72			0.36			20	1	20 A	100 A	REC CONFERENCE ROOM 152	REC	
	REC	REC CONFERENCE ROOM 151	100 A	20 A	1	21		0.36			0.36		22	1	20 A	100 A	REC CONFERENCE ROOM 152	REC	
	REC	REC CONFERENCE ROOM 151	100 A	20 A	1	23			0.36			0	24	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	25	0			0			26	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	27		0			0		28	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	29			0			0	30	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	31	0			--			32	1	--	--	SPACE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	7.74 kVA		6.48 kVA		4.86 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
REC	18.36 kVA	77.23%	14.18 kVA
EQN	0.72 kVA	75.00%	0.54 kVA

TOTAL LOAD SUMMARY

LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	19.080 kVA	CONNECTED CURRENT:	53.0 A
ESTIMATED DEMAND LOAD:	14.720 kVA	ESTIMATED DEMAND CURRENT:	40.9 A
ESTIMATED DEMAND FACTOR:	77.15%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	14.72 kVA	ESTIMATED CURRENT WITH SPARE:	41 A

PANELBOARD NOTES:

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/D

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PANEL SCHEDULES

WARRENTON — DCCA ADM — VA

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
03/11/22
PROFESSIONAL ENGINEER

Jacobs

DCCA ADM
WARRENTON, VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY J. FRIEDBERG
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022
JCN: 21001763
DRAWING NO. DCCA - D - ADM - E507
REV.

PLOT DATE/TIME: 4/22/2022 10:34:53 AM

PANELBOARD: NPL3-1

LOCATION: ELEC 250
SUPPY FROM: T-NPL3
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 250 A
MCB FRAME / MCB SIZE: 250 A / 250 A

INTERRUPTING RATING (kA SYMMETRICAL): 22 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	FURN	FURNITURE 2B.2 CKT 1	100 A	20 A	1	1	1.08			1.08			2	1	20 A	100 A	FURNITURE 2A.6 CKT 1	FURN	
	FURN	FURNITURE 2B.2 CKT 2	100 A	20 A	1	3		1.08			1.08		4	1	20 A	100 A	FURNITURE 2A.6 CKT 2	FURN	
	FURN	FURNITURE 2B.2 CKT 3	100 A	20 A	1	5			1.08			1.08	6	1	20 A	100 A	FURNITURE 2A.6 CKT 3	FURN	
	FURN	FURNITURE 2B.2 CKT 4	100 A	20 A	1	7	1.08			1.08			8	1	20 A	100 A	FURNITURE 2A.6 CKT 4	FURN	
	FURN	FURNITURE 2A.7 CKT 1	100 A	20 A	1	9		1.08			1.08		10	1	20 A	100 A	FURNITURE 2A.8 CKT 1	FURN	
	FURN	FURNITURE 2A.7 CKT 2	100 A	20 A	1	11			1.08			1.08	12	1	20 A	100 A	FURNITURE 2A.8 CKT 2	FURN	
	FURN	FURNITURE 2A.7 CKT 3	100 A	20 A	1	13	1.08			1.08			14	1	20 A	100 A	FURNITURE 2A.8 CKT 3	FURN	
	FURN	FURNITURE 2A.7 CKT 4	100 A	20 A	1	15		1.08			1.08		16	1	20 A	100 A	FURNITURE 2A.8 CKT 4	FURN	
	FURN	FURNITURE 2A.9 CKT 1	100 A	20 A	1	17			1.08			1.08	18	1	20 A	100 A	FURNITURE 2A.10 CKT 1	FURN	
	FURN	FURNITURE 2A.9 CKT 2	100 A	20 A	1	19	1.08			1.08			20	1	20 A	100 A	FURNITURE 2A.10 CKT 2	FURN	
	FURN	FURNITURE 2A.9 CKT 3	100 A	20 A	1	21		1.08			1.08		22	1	20 A	100 A	FURNITURE 2A.10 CKT 3	FURN	
	FURN	FURNITURE 2A.9 CKT 4	100 A	20 A	1	23			1.08			1.08	24	1	20 A	100 A	FURNITURE 2A.10 CKT 4	FURN	
	FURN	FURNITURE 2B.3 CKT 1	100 A	20 A	1	25	1.08			0.18			26	1	20 A	100 A	PRINTER 230A	REC	
	FURN	FURNITURE 2B.3 CKT 2	100 A	20 A	1	27		1.08			0		28	1	20 A	100 A	SPARE	--	
	FURN	FURNITURE 2B.3 CKT 3	100 A	20 A	1	29			1.08			--	30	1	--	--	SPACE	--	
	FURN	FURNITURE 2B.3 CKT 4	100 A	20 A	1	31	1.08			--			32	1	--	--	SPACE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
				TOTAL CONNECTED LOAD / PHASE:			21.96 kVA		22.819 kVA		18.439 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
REC	13.02 kVA	88.40%	11.51 kVA
FURN	46.08 kVA	60.85%	28.04 kVA
CU	4.118 kVA	75.00%	3.089 kVA

TOTAL LOAD SUMMARY

LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	63.218 kVA	CONNECTED CURRENT:	175.5 A
ESTIMATED DEMAND LOAD:	42.639 kVA	ESTIMATED DEMAND CURRENT:	118.4 A
ESTIMATED DEMAND FACTOR:	67.45%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	42.639 kVA	ESTIMATED CURRENT WITH SPARE:	118 A

PANELBOARD NOTES:

PANELBOARD: NPL3-2

LOCATION: ELEC 250
SUPPY FROM: NPL3-1
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 100 A
MCB FRAME / MCB SIZE: 100 A / 100 A

INTERRUPTING RATING (kA SYMMETRICAL): 22 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	FURN	FURNITURE 2C.9 CKT 1	100 A	20 A	1	1	1.44			1.44			2	1	20 A	100 A	FURNITURE 2C.8 CKT 1	FURN	
	FURN	FURNITURE 2C.9 CKT 2	100 A	20 A	1	3		1.44			1.44		4	1	20 A	100 A	FURNITURE 2C.8 CKT 2	FURN	
	FURN	FURNITURE 2C.9 CKT 3	100 A	20 A	1	5			0			0	6	1	20 A	100 A	FURNITURE 2C.8 CKT 3	FURN	
	FURN	FURNITURE 2C.9 CKT 4	100 A	20 A	1	7	0			0			8	1	20 A	100 A	FURNITURE 2C.8 CKT 4	FURN	
	FURN	FURNITURE 2C.10 CKT 1	100 A	20 A	1	9		1.44			1.44		10	1	20 A	100 A	FURNITURE 2C.7 CKT 1	FURN	
	FURN	FURNITURE 2C.11 CKT 1	100 A	20 A	1	11			1.44			1.44	12	1	20 A	100 A	FURNITURE 2C.7 CKT 2	FURN	
	FURN	FURNITURE 2C.11 CKT 2	100 A	20 A	1	13	1.44			1.44			14	1	20 A	100 A	FURNITURE 2C.6 CKT 1	FURN	
	CU	CU-5	100 A	20 A	2	15		2.059			1.44		16	1	20 A	100 A	FURNITURE 2C.12 CKT 1	FURN	
	--	--	--	--	--	17			2.059			0	18	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	19	0			0			20	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	21		0			0		22	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	23			0			0	24	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	25	0			0			26	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	27		0			0		28	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	29			0			0	30	1	20 A	100 A	SPARE	--	
	--	SPACE	--	--	1	31	--			--			32	1	--	--	SPACE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
				TOTAL CONNECTED LOAD / PHASE:			10.98 kVA		13.099 kVA		8.719 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
REC	12.84 kVA	88.94%	11.42 kVA
FURN	15.84 kVA	81.57%	12.92 kVA
CU	4.118 kVA	75.00%	3.089 kVA

TOTAL LOAD SUMMARY

LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	32.798 kVA	CONNECTED CURRENT:	91.0 A
ESTIMATED DEMAND LOAD:	27.429 kVA	ESTIMATED DEMAND CURRENT:	76.1 A
ESTIMATED DEMAND FACTOR:	83.63%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	27.429 kVA	ESTIMATED CURRENT WITH SPARE:	76 A

PANELBOARD NOTES:

PANELBOARD: NPL3-3

LOCATION: ELEC 250
SUPPY FROM: NPL3-2
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 100 A
MCB FRAME / MCB SIZE: 100 A / 100 A

INTERRUPTING RATING (kA SYMMETRICAL): 22 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	REC	REC BREAKOUT 252	100 A	20 A	1	1	1.44			0.36			2	1	20 A	100 A	REC ELEC 250	REC	
	REC	REC OFFICE 248	100 A	20 A	1	3		1.44			1.44		4	1	20 A	100 A	REC OFFICE 245	REC	
	REC	REC OFFICE 244	100 A	20 A	1	5			1.44			1.44	6	1	20 A	100 A	REC OFFICE 241	REC	
	REC	REC OFFICE 237	100 A	20 A	1	7	1.62			0.72			8	1	20 A	100 A	REC WOMEN'S TOILET 205	REC	
	REC	REC BREAK RM 207	100 A	20 A	1	9		0.18			0.18		10	1	20 A	100 A	REC BREAK RM 207	REC	
	REC	REC FRIDGE BREAK RM 207	100 A	20 A	1	11			0.18			0.54	12	1	20 A	100 A	REC PRINT/COPY 212	REC	
	REC	REC FRIDGE BREAK RM 207	400 A	20 A	1	13	0.18			0.9			14	1	20 A	100 A	REC ROOF	REC	
	REC	REC PRINT/COPY 212	100 A	20 A	1	15		0.18			0.42		16	1	20 A	100 A	PLC-14 TO PLC-20	REC	
	REC	REC CONFERENCE ROOM 200	100 A	20 A	1	17			0.18			0	18	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	19	0			0			20	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	21		0			0		22	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	23			0			0	24	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	25	0			0			26	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	27		0			0		28	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	29			0			0	30	1	20 A	100 A	SPARE	--	
	--	SPACE	--	--	1	31	--			--			32	1	--	--	SPACE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
				TOTAL CONNECTED LOAD / PHASE:			5.22 kVA		3.84 kVA		3.78 kVA								

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
REC	12.84 kVA	88.94%	11.42 kVA

TOTAL LOAD SUMMARY

LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	12.840 kVA	CONNECTED CURRENT:	35.6 A
ESTIMATED DEMAND LOAD:	11.420 kVA	ESTIMATED DEMAND CURRENT:	31.7 A
ESTIMATED DEMAND FACTOR:	88.94%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	11.42 kVA	ESTIMATED CURRENT WITH SPARE:	32 A

PANELBOARD NOTES:

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/D

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PANEL SCHEDULES

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY J. FRIEDBERG
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E508
REV.

PLOT DATE/TIME: 4/22/2022 10:34:56 AM

PANELBOARD: NPL4-1

LOCATION: ELEC 221
SUPPY FROM: T-NPL4
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 250 A
MCB FRAME / MCB SIZE: 250 A / 250 A

INTERRUPTING RATING (kA SYMMETRICAL): 22 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	FURN	FURNITURE 2A.1 CKT 1	100 A	20 A	1	1	1.08			1.08			2	1	20 A	100 A	FURNITURE 2A.2 CKT 1	FURN	
	FURN	FURNITURE 2A.1 CKT 2	100 A	20 A	1	3		1.08			1.08		4	1	20 A	100 A	FURNITURE 2A.2 CKT 2	FURN	
	FURN	FURNITURE 2A.1 CKT 3	100 A	20 A	1	5			1.08			1.08	6	1	20 A	100 A	FURNITURE 2A.2 CKT 3	FURN	
	FURN	FURNITURE 2A.1 CKT 4	100 A	20 A	1	7	1.08			1.08			8	1	20 A	100 A	FURNITURE 2A.2 CKT 4	FURN	
	FURN	FURNITURE 2A.3 CKT 1	100 A	20 A	1	9		1.08			1.08		10	1	20 A	100 A	FURNITURE 2B.1 CKT 1	FURN	
	FURN	FURNITURE 2A.3 CKT 2	100 A	20 A	1	11			1.08			1.08	12	1	20 A	100 A	FURNITURE 2B.1 CKT 2	FURN	
	FURN	FURNITURE 2A.3 CKT 3	100 A	20 A	1	13	1.08			1.08			14	1	20 A	100 A	FURNITURE 2B.1 CKT 3	FURN	
	FURN	FURNITURE 2A.3 CKT 4	100 A	20 A	1	15		1.08			1.08		16	1	20 A	100 A	FURNITURE 2B.1 CKT 4	FURN	
	FURN	FURNITURE 2A.5 CKT 1	100 A	20 A	1	17			1.08			1.44	18	1	20 A	100 A	FURNITURE 2A.4 CKT 1	FURN	
	FURN	FURNITURE 2A.5 CKT 2	100 A	20 A	1	19	1.08			1.44			20	1	20 A	100 A	FURNITURE 2A.4 CKT 2	FURN	
	FURN	FURNITURE 2A.5 CKT 3	100 A	20 A	1	21		1.08			0		22	1	20 A	100 A	SPARE	--	
	FURN	FURNITURE 2A.5 CKT 4	100 A	20 A	1	23			1.08			0	24	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	25	0			0			26	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	27		0			0		28	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	29			0			0	30	1	20 A	100 A	SPARE	--	
	--	SPACE	--	--	1	31	--			--			32	1	--	--	SPACE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	22.696 kVA			22.309 kVA		21.633 kVA							

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
REC	13.62 kVA	86.71%	11.81 kVA
FURN	43.2 kVA	61.57%	26.6 kVA
CU	9.817 kVA	75.00%	7.363 kVA

TOTAL LOAD SUMMARY

LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	66.637 kVA	CONNECTED CURRENT:	185.0 A
ESTIMATED DEMAND LOAD:	45.773 kVA	ESTIMATED DEMAND CURRENT:	127.1 A
ESTIMATED DEMAND FACTOR:	68.69%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	45.773 kVA	ESTIMATED CURRENT WITH SPARE:	127 A

PANELBOARD NOTES:

PANELBOARD: NPL4-2

LOCATION: ELEC 221
SUPPY FROM: NPL4-1
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 100 A
MCB FRAME / MCB SIZE: 100 A / 100 A

INTERRUPTING RATING (kA SYMMETRICAL): 22 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	FURN	FURNITURE 2C.1 CKT 1	100 A	20 A	1	1	1.08			1.08			2	1	20 A	100 A	FURNITURE 2C.3 CKT 1	FURN	
	FURN	FURNITURE 2C.1 CKT 2	100 A	20 A	1	3		1.08			1.08		4	1	20 A	100 A	FURNITURE 2C.3 CKT 2	FURN	
	FURN	FURNITURE 2C.2 CKT 1	100 A	20 A	1	5			1.44			1.08	6	1	20 A	100 A	FURNITURE 2C.3 CKT 3	FURN	
	FURN	FURNITURE 2C.2 CKT 2	100 A	20 A	1	7	1.44			1.08			8	1	20 A	100 A	FURNITURE 2C.3 CKT 4	FURN	
	FURN	FURNITURE 2C.4 CKT 1	100 A	20 A	1	9		1.08			1.08		10	1	20 A	100 A	FURNITURE 2C.5 CKT 1	FURN	
	FURN	FURNITURE 2C.4 CKT 2	100 A	20 A	1	11			1.08			1.08	12	1	20 A	100 A	FURNITURE 2C.5 CKT 2	FURN	
	FURN	FURNITURE 2C.4 CKT 3	100 A	20 A	1	13	1.08			0.18			14	1	20 A	100 A	PRINTER 228	REC	
	FURN	FURNITURE 2C.4 CKT 4	100 A	20 A	1	15		1.08			1.394		16	2	20 A	100 A	CU-1	CU	
	FURN	FURNITURE 2C.13 CKT 1	100 A	20 A	1	17			1.44			1.394	18	--	--	--	--	--	
	FURN	FURNITURE 2C.14 CKT 1	100 A	20 A	1	19	1.44			0.728			20	2	15 A	100 A	CU-8	CU	
	CU	CU-2	100 A	20 A	2	21		2.059			0.728		22	--	--	--	--	--	
	--	--	--	--	--	23			2.059			0	24	1	20 A	100 A	SPARE	--	
	CU	CU-9	100 A	15 A	2	25	0.728			0			26	1	20 A	100 A	SPARE	--	
	--	--	--	--	--	27		0.728			0		28	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	29			0			0	30	1	20 A	100 A	SPARE	--	
	--	SPARE	400 A	20 A	1	31	0			--			32	1	--	--	SPACE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	13.696 kVA			14.749 kVA		13.713 kVA							

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
REC	13.62 kVA	86.71%	11.81 kVA
FURN	18.72 kVA	76.71%	14.36 kVA
CU	9.817 kVA	75.00%	7.363 kVA

TOTAL LOAD SUMMARY

LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	42.157 kVA	CONNECTED CURRENT:	117.0 A
ESTIMATED DEMAND LOAD:	33.533 kVA	ESTIMATED DEMAND CURRENT:	93.1 A
ESTIMATED DEMAND FACTOR:	79.54%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	33.533 kVA	ESTIMATED CURRENT WITH SPARE:	93 A

PANELBOARD NOTES:

PANELBOARD: NPL4-3

LOCATION: ELEC 221
SUPPY FROM: NPL4-2
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208/120V,3P,4W,60Hz
BUS AMPS: 100 A
MCB FRAME / MCB SIZE: 100 A / 100 A

INTERRUPTING RATING (kA SYMMETRICAL): 22 kA
GROUND BUS: EQUIP. ONLY
NEUTRAL BUS RATING: 100%
SUBFEED LUGS: No

NOTES	LOAD CLASS	DESCRIPTIONS	FRAME	TRIP AMPS	POLES	CKT NO.	A	B	C	A	B	C	CKT NO.	POLES	TRIP AMPS	FRAME	DESCRIPTIONS	LOAD CLASS	NOTES
	REC	REC BREAKOUT 231	100 A	20 A	1	1	0.9			1.08			2	1	20 A	100 A	REC CONFERENCE ROOM 203	REC	
	REC	REC STORAGE 202	100 A	20 A	1	3		1.08			1.44		4	1	20 A	100 A	REC OFFICE 235	REC	
	REC	REC OFFICE 233	100 A	20 A	1	5			1.44			0.72	6	1	20 A	100 A	REC OPEN OFFICE-1 210-1	REC	
	REC	REC CORRIDOR 220A	100 A	20 A	1	7	0.72			1.44			8	1	20 A	100 A	REC OFFICE 224	REC	
	REC	REC VENDING AREA 201	100 A	20 A	1	9		0.72			0.72		10	1	20 A	400 A	REC ROOF	REC	
	REC	REC OFFICE 226	100 A	20 A	1	11			1.44			0.54	12	1	20 A	100 A	REC VENDING AREA 201	REC	
	REC	REC CONFERENCE ROOM 200	100 A	20 A	1	13	0.54			0.18			14	1	20 A	100 A	PRINTER 230A	REC	
	REC	PLC-21 TO PLC-28	100 A	20 A	1	15		0.48			0		16	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	17			0			0	18	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	19	0			0			20	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	21		0			0		22	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	23			0			0	24	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	25	0			0			26	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	27		0			0		28	1	20 A	100 A	SPARE	--	
	--	SPARE	100 A	20 A	1	29			0			0	30	1	20 A	100 A	SPARE	--	
	--	SPACE	--	--	1	31	--			--			32	1	--	--	SPACE	--	
	--	SPACE	--	--	1	33		--			--		34	1	--	--	SPACE	--	
	--	SPACE	--	--	1	35			--			--	36	1	--	--	SPACE	--	
	--	SPACE	--	--	1	37	--			--			38	1	--	--	SPACE	--	
	--	SPACE	--	--	1	39		--			--		40	1	--	--	SPACE	--	
	--	SPACE	--	--	1	41			--			--	42	1	--	--	SPACE	--	
						TOTAL CONNECTED LOAD / PHASE:	4.86 kVA			4.44 kVA		4.14 kVA							

LOAD CLASSIFICATIONS	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
REC	13.44 kVA	87.20%	11.72 kVA

TOTAL LOAD SUMMARY

LOAD (kVA)		CURRENT (AMPS)	
CONNECTED LOAD:	13.440 kVA	CONNECTED CURRENT:	37.3 A
ESTIMATED DEMAND LOAD:	11.720 kVA	ESTIMATED DEMAND CURRENT:	32.5 A
ESTIMATED DEMAND FACTOR:	87.20%		
SPARE CAPACITY:			
ESTIMATED LOAD WITH SPARE:	11.72 kVA	ESTIMATED CURRENT WITH SPARE:	33 A

PANELBOARD NOTES:

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

PANEL SCHEDULES

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY J. FRIEDBERG
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E509
REV.

DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 4/22/2022 10:34:59 AM

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

EQUIPMENT TAG I.D.	DESCRIPTION/LOCATION	VOLTAGE	PHASE	MOTOR H.P.	KW	F.L.A.	BRANCH CIRCUIT OCPD (AMPS)	BRANCH CIRCUIT WIRING						EQUIPMENT CONNECTION TYPE (ENCLOSURE RATING AND DISCONNECT SWITCH TYPE)(DIV 26 SHALL PROVIDE EQUIPMENT UNLESS OTHERWISE NOTED)	SHEET NOTES
								SETS	QTY.	WIRE SIZE	EQUIP. GROUND WIRE SIZE	CONDUIT SIZE	BRANCH CIRCUIT NO.		
ROOF TOP UNITS															
RTU-1	ROOF	480	3	-	-	73	100	1	3	#1	#6	1 1/4"	NPH4:5,7,9	INTEGRAL DISCONNECT SWITCH	
RTU-2	ROOF	480	3	-	-	66	90	1	3	#2	#8	1 1/4"	NPH4:6,8,10	INTEGRAL DISCONNECT SWITCH	
RTU-3	ROOF	480	3	-	-	80	100	1	3	#1	#6	1 1/4"	NPH3:6,8,10	INTEGRAL DISCONNECT SWITCH	
RTU-4	ROOF	480	3	-	-	84	110	1	3	#1	#6	1 1/4"	NPH3:5,7,9	INTEGRAL DISCONNECT SWITCH	
ELECTRIC WATER HEATER															
DHWH-1	JANITOR CLOSET 124	480	1	-	9	18.75	30	1	2	#10	#10	3/4"	NPH1:24,26	EQUIPMENT CONNECTION	
PUMPS															
DCP-1	JANITOR CLOSET 124	120	1	0.09	-	4.4	20	1	2	#12	#12	3/4"	EPL1-1:15	EQUIPMENT CONNECTION	
SP-1	ELEVATOR PIT	120	1	0.5	-	8	20	1	2	#10	#10	3/4"	EPL1-3:9	RECEPTACLE	
FAN COIL UNITS															
FCU-01	ELEV MACH 104	208	1	-	-	1	20	1	2	#12	#12	3/4"	FED FROM OUTDOOR UNIT	EQUIPMENT CONNECTION	
FCU-02	STAIR 1	208	1	-	-	1.54	20	1	2	#12	#12	3/4"	FED FROM OUTDOOR UNIT	EQUIPMENT CONNECTION	
FCU-03	TELECOM 171	208	1	-	-	0.13	20	1	2	#12	#12	3/4"	FED FROM OUTDOOR UNIT	EQUIPMENT CONNECTION	
FCU-04	TELECOM 143	208	1	-	-	0.13	20	1	2	#12	#12	3/4"	FED FROM OUTDOOR UNIT	EQUIPMENT CONNECTION	
FCU-05	STAIR 2	208	1	-	-	1.54	20	1	2	#12	#12	3/4"	FED FROM OUTDOOR UNIT	EQUIPMENT CONNECTION	
FCU-06	LAN/IT ROOM 223	208	1	-	-	1	20	1	2	#12	#12	3/4"	FED FROM OUTDOOR UNIT	EQUIPMENT CONNECTION	
FCU-07	TELECOM 251	208	1	-	-	0.13	20	1	2	#12	#12	3/4"	FED FROM OUTDOOR UNIT	EQUIPMENT CONNECTION	
FCU-08	ELEC 221	208	1	-	-	0.36	15	1	2	#12	#12	3/4"	FED FROM OUTDOOR UNIT	EQUIPMENT CONNECTION	
FCU-09	ELEC/TEL 132	208	1	-	-	0.36	15	1	2	#12	#12	3/4"	FED FROM OUTDOOR UNIT	EQUIPMENT CONNECTION	
FANS															
EF-1	ROOF	120	1	0.5	-	6.6	20	1	2	#12	#12	3/4"	EPL1-1:6	FUSIBLE SAFETY SWITCH	1
EF-2	ROOF	120	1	1/60	-	4.4	20	1	2	#12	#12	3/4"	EPL1-1:9	FUSIBLE SAFETY SWITCH	1
EF-3	ROOF	120	1	-	-	0.48	20	1	2	#12	#12	3/4"	EPL1-1:20	FUSIBLE SAFETY SWITCH	1
CONDENSER UNITS															
CU-1	ROOF	208	1	-	-	10.7	20	1	2	#12	#12	3/4"	NPL4-2:16,18	FUSIBLE SAFETY SWITCH	1
CU-2	ROOF	208	1	-	-	15.8	20	1	2	#12	#12	3/4"	NPL4-2:21,23	FUSIBLE SAFETY SWITCH	1
CU-3	ROOF	208	1	-	-	7.2	15	1	2	#12	#12	3/4"	EPL1-1:8,10	FUSIBLE SAFETY SWITCH	1
CU-4	ROOF	208	1	-	-	7.2	15	1	2	#12	#12	3/4"	EPL1-1:11,13	FUSIBLE SAFETY SWITCH	1
CU-5	ROOF	208	1	-	-	15.8	20	1	2	#12	#12	3/4"	NPL3-2:15,17	FUSIBLE SAFETY SWITCH	1
CU-6	ROOF	208	1	-	-	10.7	20	1	2	#12	#12	3/4"	EPL1-1:1,3	FUSIBLE SAFETY SWITCH	1
CU-7	ROOF	208	1	-	-	7.2	15	1	2	#12	#12	3/4"	EPL1-1:2,4	FUSIBLE SAFETY SWITCH	1
CU-8	ROOF	208	1	-	-	5.6	15	1	2	#12	#12	3/4"	NPL4-2:20,22	FUSIBLE SAFETY SWITCH	1
CU-9	ROOF	208	1	-	-	5.6	15	1	2	#12	#12	3/4"	NPL4-2:25,27	FUSIBLE SAFETY SWITCH	1
UNIT HEATERS															
UH-1	VESTIBULE 130	120	1	-	-	6.6	20	1	2	#12	#12	3/4"	NPL2-2:17	NON-FUSIBLE SAFETY SWITCH	2
UH-2	VESTIBULE 102	120	1	-	-	6.6	20	1	2	#12	#12	3/4"	NPL1-2:5	NON-FUSIBLE SAFETY SWITCH	2
UH-3	SPRINKLER ROOM 131	120	1	-	-	6.6	20	1	2	#12	#12	3/4"	NPL2-2:18	NON-FUSIBLE SAFETY SWITCH	2
VAV BOXES															
VAV-1-01	OFFICE 166	277	1	-	2	7.2	15	1	2	#12	#12	3/4"	NPH1:10	EQUIPMENT CONNECTION	
VAV-1-02	OFFICE 165	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH1:15	EQUIPMENT CONNECTION	
VAV-1-03	OPEN OFFICE 121	277	1	-	5	18.1	25	1	2	#10	#10	3/4"	NPH1:21	EQUIPMENT CONNECTION	
VAV-1-04	OPEN OFFICE 121	277	1	-	5	18.1	25	1	2	#10	#10	3/4"	NPH1:22	EQUIPMENT CONNECTION	
VAV-1-05	OFFICE 164	277	1	-	2	7.2	15	1	2	#12	#12	3/4"	NPH1:16	EQUIPMENT CONNECTION	
VAV-1-06	CONFERENCE ROOM 151	480	3	-	9	10.8	20	1	3	#10	#10	3/4"	NPH2:5,7,9	EQUIPMENT CONNECTION	
VAV-1-07	CONFERENCE ROOM 152	480	3	-	9	10.8	20	1	3	#10	#10	3/4"	NPH2:6,8,10	EQUIPMENT CONNECTION	
VAV-1-08	OPEN OFFICE 110	277	1	-	4	14.4	20	1	3	#12	#12	3/4"	NPH2:25	EQUIPMENT CONNECTION	
VAV-1-09	OPEN OFFICE 110	277	1	-	2	7.2	15	1	2	#12	#12	3/4"	NPH2:26	EQUIPMENT CONNECTION	
VAV-1-10	OPEN OFFICE 120	277	1	-	4	14.4	20	1	3	#12	#12	3/4"	NPH2:11	EQUIPMENT CONNECTION	
VAV-1-11	OPEN OFFICE 120	277	1	-	4	14.4	20	1	3	#12	#12	3/4"	NPH2:12	EQUIPMENT CONNECTION	
VAV-1-12	OPEN OFFICE 120	277	1	-	5	18.1	25	1	2	#10	#10	3/4"	NPH2:13	EQUIPMENT CONNECTION	
VAV-1-13	RECEIVING/MAIL ROOM 133	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH2:14	EQUIPMENT CONNECTION	
VAV-1-14	WORK ROOM 122	277	1	-	2	7.2	15	1	2	#12	#12	3/4"	NPH1:19	EQUIPMENT CONNECTION	
VAV-1-15	OPEN OFFICE 121	277	1	-	5	18.1	25	1	2	#10	#10	3/4"	NPH1:20	EQUIPMENT CONNECTION	
VAV-1-16	FOCUS 145	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH2:16	EQUIPMENT CONNECTION	
VAV-1-17	OFFICE 140	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH2:22	EQUIPMENT CONNECTION	
VAV-1-18	CONFERENCE PRE-FUNCTION 150	277	1	-	3	10.8	20	1	2	#12	#12	3/4"	NPH2:23	EQUIPMENT CONNECTION	
VAV-1-19	FURNITURE STORAGE 141	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH2:24	EQUIPMENT CONNECTION	
VAV-1-20	CONFERENCE ROOM 153	277	1	-	3	10.8	20	1	2	#12	#12	3/4"	NPH2:17	EQUIPMENT CONNECTION	
VAV-1-21	CONFERENCE ROOM 154	277	1	-	3	10.8	20	1	2	#12	#12	3/4"	NPH2:19	EQUIPMENT CONNECTION	
VAV-1-22	OFFICE 161	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH1:13	EQUIPMENT CONNECTION	

SHEET NOTES

1. PROVIDE 600V, 60A/2P FUSED SAFETY SWITCH WITH 15A FUSES IN NEMA-3R ENCLOSURE.
2. PROVIDE 600V, 60A/1P NON-FUSED SAFETY SWITCH IN NEMA-1 ENCLOSURE.

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

MECHANICAL EQUIPMENT SCHEDULE

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY M. BECKER
DRAWN BY J. FRIEDBERG
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E510 REV.

PLOT DATE/TIME: 4/22/2022 10:35:00 AM

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

EQUIPMENT TAG I.D.	DESCRIPTION/LOCATION	VOLTAGE	PHASE	MOTOR H.P.	KW	F.L.A.	BRANCH CIRCUIT OCPD (AMPS)	BRANCH CIRCUIT WIRING						EQUIPMENT CONNECTION TYPE (ENCLOSURE RATING AND DISCONNECT SWITCH TYPE)(DIV 26 SHALL PROVIDE EQUIPMENT UNLESS OTHERWISE NOTED)	SCHEDULE NOTES
								SETS	QTY.	WIRE SIZE	EQUIP. GROUND WIRE SIZE	CONDUIT SIZE	BRANCH CIRCUIT NO.		
VAV BOXES															
VAV-1-23	OFFICE 159	277	1	-	3	10.8	20	1	2	#12	#12	3/4"	NPH1:7	EQUIPMENT CONNECTION	
VAV-1-24	OFFICE 162	277	1	-	2	7.2	15	1	2	#12	#12	3/4"	NPH1:14	EQUIPMENT CONNECTION	
VAV-1-25	CORRIDOR 120B	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH1:18	EQUIPMENT CONNECTION	
VAV-1-26	OFFICE 160	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH1:9	EQUIPMENT CONNECTION	
VAV-1-27	CORRIDOR 100A	277	1	-	3	10.8	20	1	2	#12	#12	3/4"	NPH2:18	EQUIPMENT CONNECTION	
VAV-1-28	OFFICE 167	277	1	-	2	7.2	15	1	2	#12	#12	3/4"	NPH1:8	EQUIPMENT CONNECTION	
VAV-1-29	OPEN OFFICE 110	277	1	-	3	10.8	20	1	2	#12	#12	3/4"	NPH2:28	EQUIPMENT CONNECTION	
VAV-1-30	CONFERENCE ROOM 144	277	1	-	3	10.8	20	1	2	#12	#12	3/4"	NPH2:20	EQUIPMENT CONNECTION	
VAV-1-31	OFFICE 164	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH1:17	EQUIPMENT CONNECTION	
VAV-1-32	SEATING AREA 112	277	1	-	5	18.1	25	1	2	#10	#10	3/4"	NPH1:4	EQUIPMENT CONNECTION	
VAV-1-33	OPEN OFFICE 111	277	1	-	2	7.2	15	1	2	#12	#12	3/4"	NPH1:5	EQUIPMENT CONNECTION	
VAV-1-34	OPEN OFFICE 110	277	1	-	5	18.1	25	1	2	#10	#10	3/4"	NPH2:27	EQUIPMENT CONNECTION	
VAV-1-35	CORRIDOR 140A	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH2:21	EQUIPMENT CONNECTION	
VAV-1-36	CORRIDOR 170A	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH1:12	EQUIPMENT CONNECTION	
VAV-1-37	OFFICE 169	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH1:11	EQUIPMENT CONNECTION	
VAV-1-38	OPEN OFFICE 111	277	1	-	4	14.4	20	1	3	#12	#12	3/4"	NPH1:6	EQUIPMENT CONNECTION	
VAV-1-39	CORRIDOR 120A	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH2:15	EQUIPMENT CONNECTION	
VAV-2-01	OPEN OFFICE 230	480	3	-	6	7.2	15	1	3	#12	#12	3/4"	NPH4:11,13,15	EQUIPMENT CONNECTION	
VAV-2-02	OPEN OFFICE 230	277	1	-	5	18.1	25	1	2	#10	#10	3/4"	NPH4:17	EQUIPMENT CONNECTION	
VAV-2-03	OPEN OFFICE 230	277	1	-	5	18.1	25	1	2	#10	#10	3/4"	NPH4:18	EQUIPMENT CONNECTION	
VAV-2-04	OPEN OFFICE 230	480	3	-	6	7.2	15	1	3	#12	#12	3/4"	NPH4:12,14,16	EQUIPMENT CONNECTION	
VAV-2-05	OPEN OFFICE 230	277	1	-	5	18.1	25	1	2	#10	#10	3/4"	NPH3:22	EQUIPMENT CONNECTION	
VAV-2-06	OPEN OFFICE 230	277	1	-	5	18.1	25	1	2	#10	#10	3/4"	NPH3:23	EQUIPMENT CONNECTION	
VAV-2-07	OPEN OFFICE 230	277	1	-	5	18.1	25	1	2	#10	#10	3/4"	NPH3:24	EQUIPMENT CONNECTION	
VAV-2-08	OPEN OFFICE 210	277	1	-	5	18.1	25	1	2	#10	#10	3/4"	NPH4:28	EQUIPMENT CONNECTION	
VAV-2-09	OPEN OFFICE 210	277	1	-	4	14.4	20	1	3	#12	#12	3/4"	NPH4:29	EQUIPMENT CONNECTION	
VAV-2-10	OPEN OFFICE 210	277	1	-	4	14.4	20	1	3	#12	#12	3/4"	NPH4:30	EQUIPMENT CONNECTION	
VAV-2-11	CORRIDOR 230A	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH4:19	EQUIPMENT CONNECTION	
VAV-2-12	OPEN OFFICE 211	277	1	-	3	10.8	20	1	2	#12	#12	3/4"	NPH3:13	EQUIPMENT CONNECTION	
VAV-2-13	CONFERENCE ROOM 200	277	1	-	3	10.8	20	1	2	#12	#12	3/4"	NPH4:31	EQUIPMENT CONNECTION	
VAV-2-14	OPEN OFFICE 211	277	1	-	4	14.4	20	1	3	#12	#12	3/4"	NPH3:11	EQUIPMENT CONNECTION	
VAV-2-15	OPEN OFFICE 211	277	1	-	4	14.4	20	1	3	#12	#12	3/4"	NPH3:12	EQUIPMENT CONNECTION	
VAV-2-16	OFFICE 226	277	1	-	2	7.2	15	1	2	#12	#12	3/4"	NPH4:27	EQUIPMENT CONNECTION	
VAV-2-17	HUDDLE 220	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH4:25	EQUIPMENT CONNECTION	
VAV-2-18	OFFICE 246	277	1	-	3	10.8	20	1	2	#12	#12	3/4"	NPH3:18	EQUIPMENT CONNECTION	
VAV-2-19	OPEN OFFICE 211	277	1	-	2	7.2	15	1	2	#12	#12	3/4"	NPH3:16	EQUIPMENT CONNECTION	
VAV-2-20	OFFICE 225	277	1	-	2	7.2	15	1	2	#12	#12	3/4"	NPH4:26	EQUIPMENT CONNECTION	
VAV-2-21	OFFICE 236	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH4:22	EQUIPMENT CONNECTION	
VAV-2-22	CORRIDOR 200A	277	1	-	3	10.8	20	1	2	#12	#12	3/4"	NPH4:24	EQUIPMENT CONNECTION	
VAV-2-23	OFFICE 237	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH3:20	EQUIPMENT CONNECTION	
VAV-2-24	OFFICE 245	277	1	-	2	7.2	15	1	2	#12	#12	3/4"	NPH3:17	EQUIPMENT CONNECTION	
VAV-2-25	OFFICE 236	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH4:21	EQUIPMENT CONNECTION	
VAV-2-26	CONFERENCE ROOM 203	277	1	-	4	14.4	20	1	3	#12	#12	3/4"	NPH4:23	EQUIPMENT CONNECTION	
VAV-2-27	BREAK ROOM 207	277	1	-	3	10.8	20	1	2	#12	#12	3/4"	NPH3:15	EQUIPMENT CONNECTION	
VAV-2-28	OFFICE 232	277	1	-	3	10.8	20	1	2	#12	#12	3/4"	NPH4:20	EQUIPMENT CONNECTION	
VAV-2-29	OFFICE 248	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH3:19	EQUIPMENT CONNECTION	
VAV-2-30	OPEN OFFICE 211	277	1	-	4	14.4	20	1	3	#12	#12	3/4"	NPH3:14	EQUIPMENT CONNECTION	
VAV-2-31	CORRIDOR 250A	277	1	-	1	3.6	15	1	2	#12	#12	3/4"	NPH3:21	EQUIPMENT CONNECTION	

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

MECHANICAL EQUIPMENT SCHEDULE

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY J. FRIEDBERG
CHECKED BY J. KOROULAKIS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E511 REV.

DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 4/22/2022 10:35:03 AM

FIRST FLOOR OPEN OFFICES FURNITURE FEED SCHEDULE

TAG	FURNITURE TYPE	CIRCUITS	DETAIL A8/E803 EXAMPLE NUMBER	FLOOR BOX TYPE	REMARKS
1A.1	6 - WORKSTATION LAYOUT (BF4)	NPL2-1:1,3,5,7	6	TYPE-1 / SEE DRAWING E701	PROVIDE FLOOR BOX WITH 3/4" POWER CONDUIT AND 2" TELECOM CABLE ENTRY. SEE TELECOM DRAWINGS FOR ADDITIONAL REQUIREMENTS.
1A.2	6 - WORKSTATION LAYOUT (BF4)	NPL2-1:2,4,6,8	6		
1A.3	6 - WORKSTATION LAYOUT (BF4)	NPL2-1:9,11,13,15	6		
1A.4	6 - WORKSTATION LAYOUT (BF4)	NPL2-1:10,12,14,16	6		
1A.5	6 - WORKSTATION LAYOUT (BF4)	NPL1-1:1,3,5,7	6		
1A.6	6 - WORKSTATION LAYOUT (BF4)	NPL1-1:2,4,6,8	6		
1A.7	6 - WORKSTATION LAYOUT (BF4)	NPL1-1:9,11,13,15	6		
1B.1	6 - WORKSTATION LAYOUT (BF4)	NPL2-1:17,19,21,23	6		
1B.2	2 - WORKSTATION LAYOUT (BF1)	NPL2-1:25	1		
1B.3	6 - WORKSTATION LAYOUT (BF4)	NPL1-1:10,12,14,16	6		
1C.1	HOTEL WORKSTATION (BF2)	NPL2-2:1,3	2		
1C.2	HOTEL WORKSTATION (BF2)	NPL2-2:2,4	2		
1C.3	HOTEL WORKSTATION (BF2)	NPL2-2:5,7	2		
1C.4	HOTEL WORKSTATION (BF2)	NPL2-2:6,8	2		
1C.6	4 - WORKSTATION LAYOUT (BF2)	NPL1-2:2,4	3		
1C.7	4 - WORKSTATION LAYOUT (BF2)	NPL1-2:1,3	3		
1C.8	-	-	2		PROVIDE FLOOR BOX WITH ONLY TELECOM PROVISIONS. REFER TO TELECOM DRAWINGS.

SECOND FLOOR OPEN OFFICES FURNITURE FEED SCHEDULE

TAG	FURNITURE TYPE	CIRCUITS	DETAIL A8/E803 EXAMPLE NUMBER	FLOOR BOX TYPE	REMARKS
2A.1	6 - WORKSTATION LAYOUT (BF4)	NPL4-1:1,3,5,7	6	TYPE-2 / SEE DRAWING E702	PROVIDE FLOOR BOX WITH 3/4" POWER CONDUIT AND 2" TELECOM CABLE ENTRY. SEE TELECOM DRAWINGS FOR ADDITIONAL REQUIREMENTS.
2A.2	6 - WORKSTATION LAYOUT (BF4)	NPL4-1:2,4,6,8	6		
2A.3	6 - WORKSTATION LAYOUT (BF4)	NPL4-1:9,11,13,15	6		
2A.4	4 - WORKSTATION LAYOUT (BF2)	NPL4-1:18,20	5		
2A.5	6 - WORKSTATION LAYOUT (BF4)	NPL4-1:17,19,21,23	6		
2A.6	6 - WORKSTATION LAYOUT (BF4)	NPL3-1:2,4,6,8	6		
2A.7	6 - WORKSTATION LAYOUT (BF4)	NPL3-1:9,11,13,15	6		
2A.8	6 - WORKSTATION LAYOUT (BF4)	NPL3-1:10,12,14,16	6		
2A.9	6 - WORKSTATION LAYOUT (BF4)	NPL3-1:17,19,21,23	6		
2A.10	6 - WORKSTATION LAYOUT (BF4)	NPL3-1:18,20,22,24	6		
2B.1	6 - WORKSTATION LAYOUT (BF4)	NPL4-1:10,12,14,16	6		
2B.2	6 - WORKSTATION LAYOUT (BF4)	NPL3-1:1,3,5,7	6		
2B.3	6 - WORKSTATION LAYOUT (BF4)	NPL3-1:25,27,29,31	6		
2C.1	3 - WORKSTATION LAYOUT (BF2)	NPL4-2:1,3	5		
2C.2	4 - WORKSTATION LAYOUT (BF2)	NPL4-2:5,7	5		
2C.3	6 - WORKSTATION LAYOUT (BF4)	NPL4-2:2,4,6,8	4		
2C.4	6 - WORKSTATION LAYOUT (BF4)	NPL4-2:9,11,13,15	4		
2C.5	3 - WORKSTATION LAYOUT (BF2)	NPL4-2:10,12	7		
2C.6	2 - WORKSTATION LAYOUT (BF1)	NPL3-2:14	1		
2C.7	4 - WORKSTATION LAYOUT (BF2)	NPL3-2:10,12	3		
2C.8	6 - WORKSTATION LAYOUT (BF4)	NPL3-2:2,4,6,8	4		
2C.9	6 - WORKSTATION LAYOUT (BF4)	NPL3-2:1,3,5,7	4		
2C.10	2 - WORKSTATION LAYOUT (BF1)	NPL3-2:9	1		
2C.11	4 - WORKSTATION LAYOUT (BF2)	NPL3-2:11,13	3		
2C.12	2 - WORKSTATION LAYOUT (BF1)	NPL3-2:16	1		
2C.13	2 - WORKSTATION LAYOUT (BF1)	NPL4-2:17	1		
2C.14	3 - WORKSTATION LAYOUT (BF1)	NPL4-2:19	1		

FURNITURE FEED SCHEDULE

TAG	FURNITURE TYPE	CIRCUITS	DETAIL DRAWING	FLOOR BOX TYPE	REMARKS
1T.1	CONFERENCE TABLE T4	NPL2-3:18,20,21,22,23	A8/E705	TYPE-6 / SEE DRAWING E705	PROVIDE FLOOR BOX WITH 3/4" POWER CONDUIT ENTRY ONLY.
1T.2	CONFERENCE TABLE T5	NPL2-3:7, NPL2-3:11, NPL2-3:12	F8/E704	TYPE-4 / SEE DRAWING E704	PROVIDE FLOOR BOX WITH 3/4" POWER CONDUIT AND 1" TELECOM CABLE ENTRY. SEE TELECOM DRAWINGS FOR ADDITIONAL REQUIREMENTS.
1T.3	OFFICE 140, OFFICE 173, VESTIBULE 102	NPL2-3:5, NPL1-3:13, & NPL1-3:19	F8/E703	TYPE-6 / SEE DRAWING E705	PROVIDE FLOOR BOX WITH 3/4" POWER CONDUIT AND 1" TELECOM CABLE ENTRY. SEE TELECOM DRAWINGS FOR ADDITIONAL REQUIREMENTS.
2T.1	CONFERENCE TABLE T6	NPL4-3:2	D6/E704	TYPE-5 / SEE DRAWING E704	PROVIDE FLOOR BOX WITH 3/4" POWER CONDUIT AND 1" TELECOM CABLE ENTRY. SEE TELECOM DRAWINGS FOR ADDITIONAL REQUIREMENTS.
2T.2	CONFERENCE TABLE T7	NPL4-3:13	D3/E704	TYPE-5 / SEE DRAWING E704	PROVIDE FLOOR BOX WITH 3/4" POWER CONDUIT AND 1" TELECOM CABLE ENTRY. SEE TELECOM DRAWINGS FOR ADDITIONAL REQUIREMENTS.
2T.3	HUDDLE ROOM 220	NPL4-3:6	A8/E703	TYPE-5 / SEE DRAWING E704	PROVIDE FLOOR BOX WITH 3/4" POWER CONDUIT AND 1/2" TELECOM CABLE ENTRY. SEE TELECOM DRAWINGS FOR ADDITIONAL REQUIREMENTS.
2T.4	PRINTERS AT 230A & PRINTER AT 210	NPL3-1:26, NPL4-2:14 & NPL4-2:14	C6/E702	TYPE-3 / SEE DRAWING E702	PROVIDE FLOOR BOX WITH 3/4" POWER CONDUIT AND 1/2" TELECOM CABLE ENTRY. SEE TELECOM DRAWINGS FOR ADDITIONAL REQUIREMENTS.

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REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FURNITURE CIRCUIT SCHEDULE

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY J. FRIEDBERG
CHECKED BY J. KOROULAKIS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E512 REV.

DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 4/22/2022 10:35:06 AM

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	ASSEMBLY CONSTRUCTION	OPTICAL DISTRIBUTION	MOUNTING	POWER SUPPLY / DRIVER	NOMINAL LUMENS	LPW	WATTS (NOMINAL)	LAMP TYPE	VOLTAGE	BASIS OF DESIGN MANUFACTURER / SERIES	ALTERNATIVE APPROVED MANUFACTURER / SERIES	
A1	2X4 STATIC VOLUMETRIC LED TROFFER WITH CENTER BASKET	ONE-PIECE STEEL PAINTED HOUSING WITH EMBOSSED FACETS REFELECTOR SURFACE, CLEAR ACRYLIC DIFFUSER, DLC PREMIUM LISTING, WHITE FINISH.	VOLUMETRIC ILLUMINATION CHARACTERISTICS WITH RIBBED REFLECTOR AND CURVED SMOOTH ACRYLIC PRISMATIC LINEAR DIFFUSER WITH TRIM RINGS FOR LED ARRAY CONCEALMENT AND LUMEN-PER-WHAT PERFORMANCE.	RECESSED - GRID CEILING	0-10V DIMMABLE LED DRIVER	3600	137	26.4	LED 4000K 90 MIN CRI	120/277V	COLUMBIA / LCAT24	LITHONIA / 2VTL4	WILLIAMS LIGHTING / LT LED
C1	6" DIAMETER CANOPY LIGHT	IP-66 RATED WEATHERPROOF ENCLOSURE. MARINE-GRADE, DIE-CAST ALUMINUM ENCLOSURE WITH SAFETY GLASS, SILICONE CONTROLLED COMPRESSION GASKET LENS. WHITE FINISH.	SYMMETRIC, WIDE BEAM OPTICAL DISTRIBUTION	RECESSED - CANOPY	0-10V DIMMABLE LED DRIVER	2300	55	43	LED 4000K 80 MIN CRI	120/277V	PRESCOLITE / LTR-6RD	KIRLIN LIGHTING / LRR LENSED DOWNLIGHT	WE-EF LIGHTING / DOC120 LED
D1 / D1E	4" SQUARE DOWNLIGHT WITH WHITE TRIM TYPE D1E SAME AS TYPE D1 FIXTURE EXCEPT CONNECTED TO EMEGENCY LIGHTING CIRCUIT.	GALVANIZED STEEL MOUNTING FRAME FOR GRID CEILINGS.	OPEN DOWNLIGHT WITH CONCEALED LED DIFFUSING LENS, SELF-FLANGED ANODIZED SEMI-SPECULAR CLEAR REFLECTOR WITH WHITE TRIM.	RECESSED - GRID CEILING	LUTRON T-SERIES, ECOSYSTEM 0.1% TUNABLE WHITE LED DRIVER	1500	83	18.6	LED TUNABLE WHITE 90 MIN CRI	120/277V	LUMENWERX / VOILA 4" SQUARE	LITHONIA / LDN4SQ	WILLIAMS LIGHTING / 4DS
D2 / D2E	4" SQUARE DOWNLIGHT WITH WHITE TRIM TYPE D2E SAME AS TYPE D2 FIXTURE EXCEPT CONNECTED TO EMEGENCY LIGHTING CIRCUIT.	GALVANIZED STEEL MOUNTING FRAME.	OPEN DOWNLIGHT WITH CONCEALED LED DIFFUSING LENS, SELF-FLANGED ANODIZED SEMI-SPECULAR CLEAR REFLECTOR WITH WHITE TRIM.	RECESSED - GWB CEILING	LUTRON T-SERIES, ECOSYSTEM 0.1% TUNABLE WHITE LED DRIVER	1500	83	18.6	LED TUNABLE WHITE 90 MIN CRI	120/277V	LUMENWERX / VOILA 4" SQUARE	LITHONIA / LDN4SQ	WILLIAMS LIGHTING / 4DS SERIES
D3 / D3E	4" SQUARE DOWNLIGHT WITH ALUMINUM TRIM TYPE D3E SAME AS TYPE D3 FIXTURE EXCEPT CONNECTED TO EMEGENCY LIGHTING CIRCUIT.	MOUNTING FRAME FOR WOOD PANEL CEILING.	OPEN DOWNLIGHT WITH CONCEALED LED DIFFUSING LENS, SELF-FLANGED ANODIZED SEMI-SPECULAR CLEAR REFLECTOR WITH WITH ALUMINUM FINISH.	RECESSED - WOOD PANEL CEILING	LUTRON T-SERIES, ECOSYSTEM 0.1% TUNABLE WHITE LED DRIVER	1500	83	18.6	LED TUNABLE WHITE 90 MIN CRI	120/277V	LUMENWERX / VOILA 4" SQUARE	LITHONIA / LDN4SQ	WILLIAMS LIGHTING / 4DS SERIES
D4 / D4E	4" SQUARE DOWNLIGHT WITH WHITE TRIM TYPE D4E SAME AS TYPE D4 FIXTURE EXCEPT CONNECTED TO EMEGENCY LIGHTING CIRCUIT.	GALVANIZED STEEL MOUNTING FRAME.	OPEN DOWNLIGHT WITH CONCEALED LED DIFFUSING LENS, SELF-FLANGED ANODIZED SEMI-SPECULAR CLEAR REFLECTOR WITH WHITE TRIM.	RECESSED - GWB CEILING	LUTRON T-SERIES, ECOSYSTEM 0.1% TUNABLE WHITE LED DRIVER	1000	102	12	LED TUNABLE WHITE 90 MIN CRI	120/277V	LUMENWERX / VOILA 4" SQUARE	LITHONIA / LDN4SQ	WILLIAMS LIGHTING / 4DS
D5 / D5E	3" SQUARE DOWNLIGHT WITH ALUMINUM TRIM TYPE D5E SAME AS TYPE D5 FIXTURE EXCEPT CONNECTED TO EMEGENCY LIGHTING CIRCUIT.	GALVANIZED STEEL MOUNTING FRAME.	OPEN DOWNLIGHT WITH CONCEALED LED DIFFUSING LENS, 55 DEGREEE CUTOFF TO LIGHT SOURCE, SELF-FLANGED ANODIZED SEMI-SPECULAR CLEAR REFLECTOR WITH WITH ALUMINUM TRIM.	RECESSED - GWB CEILING	LUTRON T-SERIES, ECOSYSTEM 0.1% TUNABLE WHITE LED DRIVER	600	84	7.8	LED TUNABLE WHITE 90 MIN CRI	120/277V	LUMENWERX / AERA 3" SQUARE	LITHONIA / LDN3SQ	WILLIAMS LIGHTING / 4DS
L2	4" WIDTH, 2FT LONG LINEAR DIRECT PENDANT FIXTURE.	EXTRUDED ALUMINUM HOUSING ENCLOSURE WITH TOTAL FIXTURE LENGTH TAILORED AS INDICATED ON DRAWINGS. WHITE FINISH HOUSING WITH DIE-CAST ALUMINUM END CAPS, ADJUSTABLE STEEL-PLATED AIRCRAFT CABLE SUSPENSION MOUNTING HARDWARE AND STATIC WHITE SINGLE-CIRCUIT POWER FEED CONNECTION DROPS. PROVIDE POWER DROPS WHERE REQUIRED TO ACCOMMODATE NORMAL AND EMERGENCY LIGHTING CIRCUITRY INDICATED ON DRAWINGS.	DIRECT LINEAR OPTICS WITH TUNABLE WHITE TAILORED LIGHT LEVELS. DIE-FORMED STEEL REFLECTOR FINISHED IN HIGH REFLECTANCE WHITE POWDER COAT PAINT. MANUFACTURER STANDARD FLUSH SHEILDING OPTICS.	PENDANT	LUTRON T-SERIES, ECOSYSTEM 0.1% TUNABLE WHITE LED DRIVER	375, PER FT (TOTAL 650 LM)	115.4	3.25, PER FT (TOTAL 7 W)	LED TUNABLE WHITE 90 MIN CRI	120/277V	LITECONTROL / 4L-P-D	FINELITE / HP-4	FOCAL POINT / SEEM 4
L3 / L3E	4" WIDTH, 3FT LONG LINEAR DIRECT PENDANT FIXTURE. TYPE L3E SAME AS TYPE L3 FIXTURE EXCEPT CONNECTED TO EMEGENCY LIGHTING CIRCUIT.			PENDANT		375, PER FT (TOTAL 1125 LM)	115.4	3.25, PER FT (TOTAL 10 W)		120/277V	LITECONTROL / 4L-P-D	FINELITE / HP-4	FOCAL POINT / SEEM 4
L4 / L4E	4" WIDTH, 4FT LONG LINEAR DIRECT PENDANT FIXTURE. TYPE L4E SAME AS TYPE L4 FIXTURE EXCEPT CONNECTED TO EMEGENCY LIGHTING CIRCUIT.			PENDANT		375, PER FT (TOTAL 1500 LM)	115.4	3.25, PER FT (TOTAL 13 W)		120/277V	LITECONTROL / 4L-P-D	FINELITE / HP-4	FOCAL POINT / SEEM 4
L4R	4" WIDTH, 4FT LONG LINEAR DIRECT RECESSED FIXTURE.			RECESSED - GRID CEILING		625, PER FT (TOTAL 2500 LM)	113.6	5.5, PER FT (TOTAL 22 W)		120/277V	LITECONTROL / 4L-R-D	FINELITE / HP-4	FOCAL POINT / SEEM 4
L6	4" WIDTH, 6FT LONG LINEAR DIRECT			RECESSED - GRID CEILING		625, PER FT (TOTAL 3750 LM)	113.6	5.5, PER FT (TOTAL 33 W)		120/277V	LITECONTROL / 4L-R-D	FINELITE / HP-4	FOCAL POINT / SEEM 4
L8	4" WIDTH, 8FT LONG LINEAR DIRECT			PENDANT		375, PER FT (TOTAL 3000 LM)	115.4	3.25, PER FT (TOTAL 26 W)		120/277V	LITECONTROL / 4L-P-D	FINELITE / HP-4	FOCAL POINT / SEEM 4
L9	4" WIDTH, 9FT-7IN LONG LINEAR DIRECT			PENDANT		375, PER FT (TOTAL 3600 LM)	112.5	3.25, PER FT (TOTAL 32 W)		120/277V	LITECONTROL / 4L-P-D	FINELITE / HP-4	FOCAL POINT / SEEM 4
L12	4" WIDTH, 12FT LONG LINEAR DIRECT			PENDANT		375, PER FT (TOTAL 4500 LM)	115.4	3.25, PER FT (TOTAL 39 W)		120/277V	LITECONTROL / 4L-P-D	FINELITE / HP-4	FOCAL POINT / SEEM 4
L12R	6" WIDTH, 12FT LONG LINEAR DIRECT			RECESSED		375, PER FT (TOTAL 4500 LM)	115.4	3.25, PER FT (TOTAL 39 W)		120/277V	LITECONTROL / 6L-R-D	FINELITE / HP-6	FOCAL POINT / SEEM 6
L13 / L13E	4" WIDTH, 13FT LONG LINEAR DIRECT PENDANT FIXTURE. TYPE L13E SAME AS TYPE L13 FIXTURE EXCEPT CONNECTED TO EMEGENCY LIGHTING CIRCUIT. 5FT SECTION OF THE FIXTURE IS CONNECTED TO NORMAL AND EMERGENCY CIRCUITS.			PENDANT		300, PER FT (TOTAL 3900 LM)	110	2.6, PER FT (TOTAL 34 W)		120/277V	LITECONTROL / 4L-P-D	FINELITE / HP-4	FOCAL POINT / SEEM 4
L14 / 14E	4" WIDTH, 14FT LONG LINEAR DIRECT PENDANT FIXTURE. TYPE L14E SAME AS TYPE L14 FIXTURE EXCEPT CONNECTED TO EMEGENCY LIGHTING CIRCUIT. 6FT SECTION OF THE FIXTURE IS CONNECTED TO NORMAL AND EMERGENCY CIRCUITS.			PENDANT		300, PER FT (TOTAL 4200 LM)	110	2.6, PER FT (TOTAL 36 W)		120/277V	LITECONTROL / 4L-P-D	FINELITE / HP-4	FOCAL POINT / SEEM 4
L27 / L27E	4" WIDTH, 27FT LONG LINEAR DIRECT PENDANT FIXTURE. TYPE L27E SAME AS TYPE L27 FIXTURE EXCEPT CONNECTED TO EMEGENCY LIGHTING CIRCUIT. 8FT SECTION OF THE FIXTURE IS CONNECTED TO NORMAL AND EMERGENCY CIRCUITS.			PENDANT		300, PER FT (TOTAL 8100 LM)	110	2.6, PER FT (TOTAL 70 W)		120/277V	LITECONTROL / 4L-P-D	FINELITE / HP-4	FOCAL POINT / SEEM 4

LIGHTING CONTROL MATRIX

SPACE TYPE	MANUAL ON	MANUAL OFF	MANUAL ADJUST	MANUAL OVERRIDE	TIMER ON	TIMER OFF	OCCUPANCY ON	OCCUPANCY OFF	VACANCY OFF	VACANCY DIM TO 50%	DAYLIGHT ADJUST	PHOTOCELL ON	PHOTOCELL OFF	SEQUENCE OF OPERATION	NOTES
FOCUS / BREAK ROOM / MOTHERS ROOM			X				X	X						SOO A	INTEGRATE WITH CIRCADIAN LIGHTING CONTROLS
CONFERENCE ROOM			X				X	X						SOO B	INTEGRATE WITH CIRCADIAN LIGHTING CONTROLS
COPY / PRINT ROOM							X	X						SOO C	INTEGRATE WITH CIRCADIAN LIGHTING CONTROLS
CORRIDORS						X	X			X				SOO D	INTEGRATE WITH CIRCADIAN LIGHTING CONTROLS
ELECTRICAL / MECHANICAL / TELECOM ROOM	X	X												SOO E	
JANITOR CLOSETS/ STORAGE	X	X							X					SOO F	
OPEN OFFICE			X				X	X			X			SOO G	INTEGRATE WITH CIRCADIAN LIGHTING CONTROLS
LOBBY / VESTIBULE						X	X			X				SOO H	INTEGRATE WITH CIRCADIAN LIGHTING CONTROLS
ENCLOSED OFFICE / HUDDLE ROOM			X				X	X						SOO I	INTEGRATE WITH CIRCADIAN LIGHTING CONTROLS
RESTROOMS							X	X						SOO J	
STAIRS							X	X						SOO K	FIXTURE MOUNTED OCCUPANCY SENSORS
EXTERIOR					X	X						X	X	REFER TO DRAWING E605 FOR EXTERIOR WIRING CONTROLS	

SOO A	OCCUPANCY SENSORS AUTOMATICALLY TURNS ON LIGHTING TO 75% DURING ACTIVITY. OCCUPANCY SENSOR SHALL TURN LIGHTS OFF WHEN SPACE IS VACANT MORE THAN 15 MINUTES. IN ADDITION, LIGHTS CONTROLLED BY LOCAL 3 BUTTON DIMMING SWITCH PROGRAMMED TO 100% / 50% / OFF WITH RAISE/LOWER OPTIONS.
SOO B	OCCUPANCY SENSOR AUTOMATICALLY TURNS ON LIGHTING TO 75% DURING ACTIVITY. DIMMING MANUAL CONTROL BRINGS LIGHTING UP TO 100%. OCCUPANT MAY ENACT SCENE SELECTION VIA LV SWITCH. OCCUPANCY SENSOR SHALL TURN LIGHTS OFF WHEN SPACE IS VACANT MORE THAN 15 MINUTES. LIGHTS MAY BE CONTROLLED BY AV EQUIPMENT IN SPACE.
SOO C	OCCUPANCY SENSORS AUTOMATICALLY TURNS ON LIGHTING TO 100% DURING ACTIVITY. OCCUPANCY SENSORS SHALL DIM LIGHTS TO 50% WHEN SPACE IS VACANT MORE THAN 15 MINUTES THEN AFTER ANOTHER 5 MINUTES OF INACTIVITY LIGHTS TURN OFF.
SOO D	OCCUPANCY SENSORS AUTOMATICALLY TURNS ON LIGHTING TO 100% DURING ACTIVITY AND DIMS THE LIGHTS TO 50% WHEN INACTIVATE FOR MORE THAN 15 MINUTES. IN ADDITION, LIGHTS CONTROLLED TO TURN OFF VIA TIME CLOCK TO ALIGN WITH OPERATION HOURS.
SOO E	LINE VOLTAGE MANUAL ON/OFF CONTROLS ONLY.
SOO F	LIGHTS SHALL BE CONTROLLED BY MANUAL ON/OFF SWITCH. WALL MOUNTED VACANCY SENSOR WILL TURN OFF LIGHTS WHEN SPACE IS VACANT MORE THAN 10 MINUTES.
SOO G	OCCUPANCY SENSORS AUTOMATICALLY TURNS ON LIGHTING TO 75% DURING ACTIVITY AND TURNS LIGHTS OFF WHEN INACTIVATE FOR MORE THAN 15 MINUTES. IN ADDITION, LIGHTS CONTROLLED BY LOCAL 3 BUTTON DIMMING SWITCH PROGRAMMED TO 100% / 50% / OFF WITH RAISE/LOWER OPTIONS. WHEN EXTERIOR GLAZING IS PRESENT IN THE SPACE, LIGHTS SHALL DIM TO ACHIEVE 30FC ON TASK PLAN.
SOO H	OCCUPANCY SENSORS AUTOMATICALLY TURNS ON LIGHTING TO 100% DURING ACTIVITY AND DIMS THE LIGHTS TO 50% WHEN INACTIVATE FOR MORE THAN 15 MINUTES. IN ADDITION, LIGHTS CONTROLLED TO TURN OFF VIA TIME CLOCK TO ALIGN WITH OPERATION HOURS.
SOO I	OCCUPANCY SENSORS AUTOMATICALLY TURNS ON LIGHTING TO 75% DURING ACTIVITY AND TURNS LIGHTS OFF WHEN INACTIVATE FOR MORE THAN 15 MINUTES. IN ADDITION, LIGHTS CONTROLLED BY LOCAL 3 BUTTON DIMMING SWITCH PROGRAMMED TO 100% / 50% / OFF WITH RAISE/LOWER OPTIONS.
SOO J	OCCUPANCY SENSORS AUTOMATICALLY TURNS ON LIGHTING TO 100% DURING ACTIVITY. OCCUPANCY SENSOR DIMS LIGHTS TO 50% WHEN SPACE IS VACANT MORE THAN 10 MINUTES. THEN AFTER ANOTHER 5 MINUTES OF INACTIVITY, LIGHTS TURN OFF.
SOO K	LIGHTS SHALL BE CONTROLLED BY FIXTURE MOUNTED OCCUPANCY SENSORS. SENSORS SHALL BE PROGRAMMED TO TURN ON TO 100% LIGHT OUTPUT BY OCCUPANCY SENSOR AND DIM TO 50% LIGHT OUTPUT WHEN SPACE IS VACANT MORE THAN 10 MINUTES. THEN TO 10% AFTER ANOTHER 5 MINUTES OF INACTIVITY AND AFTER 1 ADDITIONAL MINUTE TURNS LIGHTING OFF.

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

LIGHTING FIXTURE AND CONTROLS SCHEDULE

WARRENTON — DCCA ADM — VA

DCCA ADM
WARRENTON, VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

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DRAWING NO. DCCA - D - ADM - E550
REV.

PLOT DATE/TIME: 4/22/2022 10:35:08 AM

LIGHTING FIXTURE SCHEDULE CONTINUED

TYPE	DESCRIPTION	ASSEMBLY CONSTRUCTION	OPTICAL DISTRIBUTION	MOUNTING	POWER SUPPLY / DRIVER	NOMINAL LUMENS	LPW	WATTS (NOMINAL)	LAMP TYPE	VOLTAGE	BASIS OF DESIGN MANUFACTURER / SERIES	ALTERNATIVE APPROVED MANUFACTURER / SERIES	
P1	SITE PARKING LOT AREA LUMINAIRE - POLE MOUNTED, SINGE HEAD POLE TOP CONFIGURATION	DIE-CAST ALUMINUM HOUSING ENCLOSURE WITH INTEGRAL POLE MOUNTING ARM, IP66 RATED, DLC PREMIUM LISTING WITH THERMOSET POWDER COAT PAINTED BRONZE FINISH. REFER TO DRAWING DETAILS FOR POLE AND MOUNTING CONFIGURATION.	ACRYLIC REFRACTIVE LENS WITH TYPE-4 WIDE OPTICAL DISTRIBUTION.	POLE	UL CLASS 1 ELECTRONIC LED DRIVER	24000	130	185	LED 4000K 70 MIN CRI	120/277V	HUBBELL OUTDOOR / RATIO SERIES	LITHONIA / RSX2	HALOPHANE / MGLED
P2	SAME AS TYPE P1 FIXTURE EXCEPT PROVIDE DOUBLE HEAD @180 DEGREE POLE TOP CONFIGURATION	-	-	-	-	-	-	-	-	-	-	-	-
R1	4" WIDTH, SPECIAL 26FT RECTANGULAR LED PENDANT FIXTURE FOR PRE-FUNCTION AREA. SECTION ENDS CONNECTED TO EMERGENCY AND NORMAL CIRCUITS.	DIE-FORMED AND WELDED 22-GUAGE COLD ROLLED STEEL CONTINUOUS RUN HOUSING ENCLOSURE WITH TOTAL FIXTURE LENGTH AND CONFIGURATION AS INDICATED ON DRAWINGS. WHITE FINISH PAINTED HOUSING, PRE-FABRICATED AND FULLY ILLUMINATED CORNER, ADJUSTABLE STEEL-PLATED AIRCRAFT CABLE SUSPENSION MOUNTING HARDWARE AND STATIC WHITE SINGLE-CIRCUIT POWER FEED CANOPY DROPS. PROVIDE POWER DROPS WHERE REQUIRED TO ACCOMMODATE NORMAL AND EMERGENCY LIGHTING CIRCUITRY INDICATED ON DRAWINGS. DLC LISTING.	DIRECT LINEAR OPTICS WITH TUNABLE WHITE TAILORED LIGHT LEVELS. MANUFACTURER'S STANDARD REFLECTOR AND FLUSH SHIELDING OPTICS.	PENDANT	LUTRON T-SERIES, ECOSYSTEM 0.1% TUNABLE WHITE LED DRIVER	15000	125	120	LED TUNABLE WHITE 90 MIN CRI	120/277V	ALCON LIGHTING / 12100-45-P	FINELITE / HP-4	MARK ARCHITECTURAL LIGHTING / SLOT 4 PENDANT
S1	LINEAR ILLUMINATED HANDRAIL SYSTEM - MAIN LOBBY STAIRWELL	PROVIDE REMOTE 277-VOLT, 100 WATTS POWER SUPPLY WHERE REQUIRED TO FEED FIXTURE. REFER TO LIGHTING DRAWINGS FOR POWER SUPPLY CIRCUITRY.	PROVIDE ASYMMETRIC WITH MEDIUM LIGHT OUTPUT AND CLEAR LENS. REFER TO ARCHITECTUAL FOR HANDRAIL SIZE, MOUNTING STYLE, MATERIAL AND FINISHES.	HANDRAIL INTEGRATED LINEAR LED	DIMMABLE LED DRIVER	310 PER FT	-	2.93 PER FT	LED 4000K	120/277V	ETi / MYRIS	BEGA / 24-233	ARCHITECT APPROVED EQUIVALENT
S9-7	2" WIDE APERTURE LINEAR DIRECT PERIMETER SLOT FIXTURE. PROVIDE 9FT-7IN LONG CONTINUOUS CONFIGURATION. FIELD VERIFY LENGTH.	EXTRUDED ALUMINUM HOUSING ENCLOSURE WITH TOTAL FIXTURE LENGTH TAILORED AS INDICATED ON DRAWINGS. WHITE FINISH HOUSING WITH MANUFACTURER'S STANDARD INTERNAL JOINER SYSTEM AND PLUG-TOGETHER WIRING CONFIGURATION. PROVIDE FULLY ILLUMINATED INSIDE AND OUTSIDE CORNER CONNECTIONS WHERE INDICATED ON DRAWINGS. PROVIDE WALL BRACKET MOUNTING SYSTEM TO INTEGRATED WITH ARCHITECTURAL CEILING SYSTEM AS INDICATED.	DIE-FORMED 20-GUAGE STEEL REFLECTORS FINISHED IN HIGH REFLECTANCE WHITE POWDER COAT PAINT. PROVIDE MANUFACTURER'S STANDARD DIRECT FLUSH DIFFUSER SYSTEM.	WALL - PERIMETER SLOT	0-10V DIMMABLE LED DRIVER	3162	93	34	LED 4000K 90 MIN CRI	120/277V	LITECONTROL / 2L-WS-D	NEORAY / S122RDRP	FINELITE, HP2-WS SERIES
S10-7	SAME AS TYPE S9-7 FIXTURE EXCEPT PROVIDE 10FT-7IN LONG CONTINUOUS CONFIGURATION. FIELD VERIFY LENGTH.	-	-	-	-	3488	94	37	LED 4000K 90 MIN CRI	120/277V	-	-	-
S17-6	SAME AS TYPE S9-7 FIXTURE EXCEPT PROVIDE 17FT-6IN LONG CONTINUOUS CONFIGURATION. FIELD VERIFY LENGTH.	-	-	-	-	5738	93	62	LED 4000K 90 MIN CRI	120/277V	-	-	-
T1	4FT LONG LINEAR INDUSTRIAL LIGHTING FIXTURE	COLD-ROLLED STEEL CHANNEL HOUSING WITH LENS AND INJECTION MOLDED END CAPS. BAKED WHITE POLYESTER PAINTED FINISH. DLC PREMIUM LISTING.	WIDE DIFFUSE ACRYLIC LENS OPTICAL DISTRIBUTION.	PENDANT	0-10V DIMMABLE LED DRIVER	4000	141	31.6	LED 4000K 80 MIN CRI	120/277V	COLUMBIA / MPS	LITHNONIA / CLX	HOLOPHANE / HRTC
T1E	4FT LONG LINEAR INDUSTRIAL LIGHTING FIXTURE WITH EMERGENCY BATTERY PACK.	COLD-ROLLED STEEL CHANNEL HOUSING WITH LENS AND INJECTION MOLDED END CAPS. BAKED WHITE POLYESTER PAINTED FINISH. DLC PREMIUM LISTING.	WIDE DIFFUSE ACRYLIC LENS OPTICAL DISTRIBUTION.	PENDANT	0-10V DIMMABLE LED DRIVER	4000	141	31.6	LED 4000K 80 MIN CRI	120/277V	COLUMBIA / MPS	LITHNONIA / CLX	HOLOPHANE / HRTC
T2E	4FT LONG SURFACE VOLUMETRIC WRAP-AROUND LIGHTING FIXTURE WITH EMERGENCY BATTERY PACK AND INTEGRAL SENSOR SWITCH	COLD-ROLLED STEEL CHANNEL HOUSING WITH IMPACT MODIFIED LINEAR-FACETED REFRACTOR AND LIGHT DIFFUSING FILM. REFRACTOR ATTACHES TO DIE CAST END CAPS. WHITE POLYESTER POWDER COAT PAINTED FINISH. DLC LISTING.	VOLUMETRIC ILLUMINATION CHARACTERISTICS WITH LINEAR-FACETED REFRACTOR AND LIGHT DIFFUSING FILM.	SURFACE	0-10V DIMMABLE LED DRIVER	5880	149	40	LED 4000K 80 MIN CRI	120/277V	COLUMBIA / RLW	LITHONIA / STL4	HOLOPHANE / HRTC
T3	4FT LONG SURFACE VOLUMETRIC WRAP-AROUND LIGHTING FIXTURE	COLD-ROLLED STEEL CHANNEL HOUSING WITH IMPACT MODIFIED LINEAR-FACETED REFRACTOR AND LIGHT DIFFUSING FILM. REFRACTOR ATTACHES TO DIE CAST END CAPS. WHITE POLYESTER POWDER COAT PAINTED FINISH. DLC LISTING.	VOLUMETRIC ILLUMINATION CHARACTERISTICS WITH LINEAR-FACETED REFRACTOR AND LIGHT DIFFUSING FILM.	SURFACE	0-10V DIMMABLE LED DRIVER	4000	148	28	LED 4000K 80 MIN CRI	120/277V	COLUMBIA / RLW	LITHONIA / STL4	HOLOPHANE / HRTC
W1	EXTERIOR BUILDING MOUNTED WALLPACK LIGHT FIXTURE WITH BRONZE FINISH AND FROSTED RIBBED LENS, EYELID GUARD	ONE-PIECE MARINE GRADE DIE-CAST ALUMINUM HOUSING ENCLOSURE, POLYESTER POWDER COAT PAINTED BRONZE FINISH. MOUNTING HARDWARE FOR USE DIRECTLY OVER POWER OUTLET BOX CONDUIT ENTRY. POLYCARBONATE LENS WITH ONE-PIECE SILICONE GASKET AND STAINLESS STEEL TORX TYPE MOUNTING HARDWARE. IP65 WET LOCATION LISTING.	CUTOFF SHIELDING FRONT OPTICS, INJECTION MOLDED, 0.125 INCH THICK POLYCARBONATE LENS, SMOOTH EXTERIOR, INTERIOR PATTERN FOR DIFFUSE LIGHT DISTRIBUTION.	WALL - SURFACE	UL CLASS 1 ELECTRONIC LED DRIVER	1300	96.3	13.5	LED 4000K 80 MIN CRI	120/277V	LAMARLED / GNL-Z	FC LIGHTING / FC3052	WILLIAMS LIGHTING / WLRD
W2	EXTERIOR BUILDING MOUNTED WALLPACK LIGHT FIXTURE WITH DARK BRONZE MATTE TEXTURED FINISH	TWO-PIECE MARINE GRADE DIE-CAST ALUMINUM HOUSING ENCLOSURE, HINGED DOOR WITH THERMOSET POWDER COAT PAINTED BRONZE FINISH. MOUNTING HARDWARE FOR USE DIRECTLY OVER POWER OUTLET BOX CONDUIT ENTRY. GLASS LENS WITH ONE-PIECE SILICONE GASKET AND STAINLESS STEEL TORX TYPE MOUNTING HARDWARE. IP65 WET LOCATION LISTING. DLC LISTING.	BOROSILICATE GLASS REFRACTOR FOR DIFFUSE LIGHT DISTRIBUTION.	WALL - SURFACE	UL CLASS 1 ELECTRONIC LED DRIVER	3815	138	28	LED 4000K 80 MIN CRI	120/277V	HUBBELL OUTDOOR / PERIMALITER	LITHONIA / TWX2	HOLOPHANE / W4GLED
X1	EXIT SIGN, SINGLE/DOUBLE FACE WITH DIRECTIONAL ARROWS AS INDICATED ON THE LIGHTING PLANS.	EDGE-LIT TYPE WITH EXTRUDED BRUSHED ALUMINUM FINISH AND CLEAR ACRYLIC PANELS. PROVIDE INTEGRAL EMERGNECY BATTERY OPTION, SEALED MAINTENANCE-FREE NICKEL-CADMIUM BATTERY WITH 90-MINUTES CAPACITY TO LAMP. PROVIDE SELF-DIAGNOSTICS TEST OPTION.	UNIFORM LED ILLUMINATION, RED LETTERING.	CEILING SURFACE	UL CLASS 1 ELECTRONIC LED DRIVER	-	-	2.8	LED	120/277V	COMPASS / CEL EDGE-LIT	LITHONIA / EDGR LED EDGE-LIT EXITS	WILLIAMS LIGHTING / EXIT/EL
X2	EXIT SIGN, SINGLE/DOUBLE FACE WITH DIRECTIONAL ARROWS AS INDICATED ON THE LIGHTING PLANS.	EDGE-LIT TYPE WITH EXTRUDED BRUSHED ALUMINUM FINISH AND CLEAR ACRYLIC PANELS. PROVIDE INTEGRAL EMERGNECY BATTERY OPTION, SEALED MAINTENANCE-FREE NICKEL-CADMIUM BATTERY WITH 90-MINUTES CAPACITY TO LAMP. PROVIDE SELF-DIAGNOSTICS TEST OPTION.	UNIFORM LED ILLUMINATION, RED LETTERING.	PENDANT	UL CLASS 1 ELECTRONIC LED DRIVER	-	-	2.8	LED	120/277V	COMPASS / CEL EDGE-LIT	LITHONIA / EDG LED EDGE-LIT EXITS	WILLIAMS LIGHTING / EXIT/EL
X3	EXIT SIGN, SINGLE FACE WITH DIRECTIONAL ARROWS AS INDICATED ON THE LIGHTING PLANS.	DIE-CAST ALUMINUM HOUSING, BRUSHED ALUMINUM FACE WITH MATTE BLACK HOUSING. PROVIDE INTEGRAL EMERGNECY BATTERY OPTION, SEALED MAINTENANCE-FREE NICKEL-CADMIUM BATTERY WITH 90-MINUTES CAPACITY TO LAMP. PROVIDE SELF-DIAGNOSTICS TEST OPTION.	UNIFORM LED ILLUMINATION, RED LETTERING.	WALL - SURFACE	UL CLASS 1 ELECTRONIC LED DRIVER	-	-	2.7	LED	120/277V	COMPASS / CCE THIN DIE CAST	LITHONIA / LE-LRE SIGNATURE	WILLIAMS LIGHTING / EXIT/CA
X4	EXIT SIGN, SINGLE FACE WITH DIRECTIONAL ARROWS AS INDICATED ON THE LIGHTING PLANS.	THERMOPLASTIC HOUSING WITH UV-STABLE POLYCARBONATE COVER, WHITE FINISH. PROVIDE INTEGRAL EMERGENCY BATTERY OPTION, SEALED MAINTENANCE-FREE NICKEL-CADMIUM BATTERY WITH 90-MINUTES CAPACITY TO LAMP. PROVIDE SELF-DIAGNOSTICS TEST OPTION. IP66 WET LOCATION LISTED ENCLOSURE.	UNIFORM LED ILLUMINATION, RED LETTERING.	WALL - SURFACE	UL CLASS 1 ELECTRONIC LED DRIVER	-	-	2.7	LED	120/277V	COMPASS / CEW WET LOCATION	LITHONIA / WLTE	WILLIAMS LIGHTING / EXIT/WET/CP

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COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
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3/11/22
PROFESSIONAL ENGINEER

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SUITE 500
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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

LIGHTING FIXTURE SCHEDULE

WARRENTON — DCCA ADM — VA

Jacobs

DCCA ADM
WARRENTON, VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE
DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 | JCN: 21001763
DRAWING NO. DCCA - D - ADM - E551 | REV.

PLOT DATE/TIME: 4/22/2022 10:35:11 AM

GENERAL SHEET NOTES

A. COLOR CODED ZONES SHOW THE SENSOR MODULE (SM-#) COVERAGE AREAS FOR OCCUPANCY AND DAYLIGHT SENSORS, FIXTURES, AND WALL STATION SWITCHES.

B. REFER TO DRAWINGS E-001 FOR LIGHTING FIXTURES AND DEVICES' LEGENDS.

C. REFER TO LIGHTING CONTROLS MATRIX DRAWING E551, FOR SPACE CONTROL SEQUENCE OF OPERATION.

D. REFER TO DRAWINGS FROM E554 TO E560 FOR CIRCADIAN WIRING CONTROLS DIAGRAMS.

B8 / E552 FIRST FLOOR - CIRCADIAN LIGHTING ZONES

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PROFESSIONAL ENGINEER

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

CIRCADIAN LIGHTING LAYOUT - LEVEL 1

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763

DRAWING NO. DCCA - D - ADM - E552 REV.

PLOT DATE/TIME: 4/22/2022 10:41:50 AM

GENERAL SHEET NOTES

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D. REFER TO DRAWINGS FROM E554 TO E560 FOR CIRCADIAN WIRING CONTROLS DIAGRAMS.

B8 / E553 SECOND FLOOR - CIRCADIAN LIGHTING ZONES

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

CIRCADIAN LIGHTING LAYOUT - LEVEL 2

WARRENTON — DCCA ADM — VA

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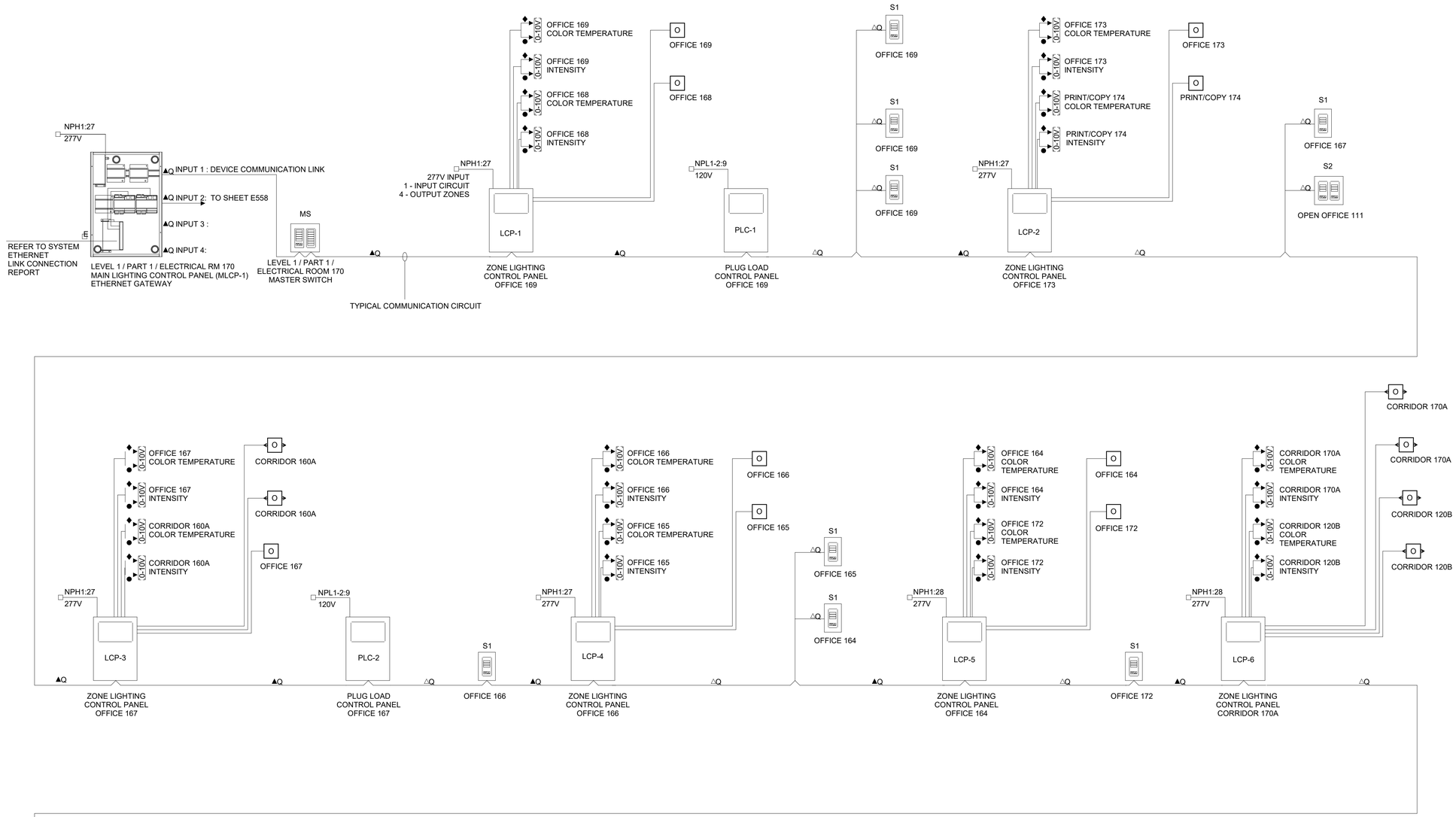

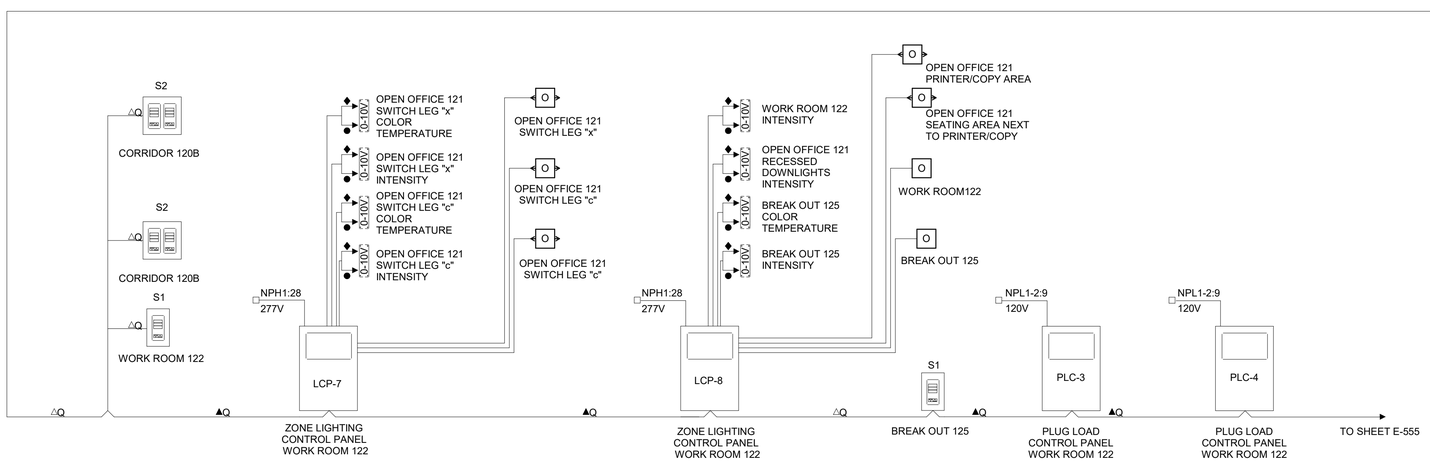

WIRING LEGEND

- △Q MULTI PAIR COMMUNICATION CONTROL LINK CABLING (CONNECT WIRES 1, 2, 3 AND 4)
- ▲Q MULTI PAIR COMMUNICATION CONTROL LINK CABLING (CONNECT WIRES 1, 3 AND 4. DO NOT CONNECT WIRE 2)
- □ NORMAL INPUT POWER 2 #12 AWG (4 SQ MM) + GROUND
- ◪ NORMAL-EMERGENCY INPUT POWER 2 #12 AWG (4 SQ MM) + GROUND
- ③ 3 PHASE 4 WIRE INPUT POWER, 4 #12AWG (4 SQ MM) + GROUND
- ● 2 #12 AWG (4 SQ MM) + GROUND
- ○ 3 #12 AWG (4 SQ MM) + GROUND
- ◆ 0-10 V SIGNAL: 2#18AWG (1.0 SQ MM)
- ↔ 2#18 AWG (1.0 SQ MM)
- ∞ 3#18 AWG (1.0 SQ MM)
- ETHERNET CABLE. CAT5E OR BETTER CABLE FOR NETWORK TERMINATED WITH RJ45 CONNECTORS. 328 FT MAXIMUM RUN.

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ELECTRICAL LIGHTING CONTROLS DIAGRAM

WARRENTON — DCCA ADM — VA

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

Jacobs

DCCA ADM
WARRENTON, VA

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	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
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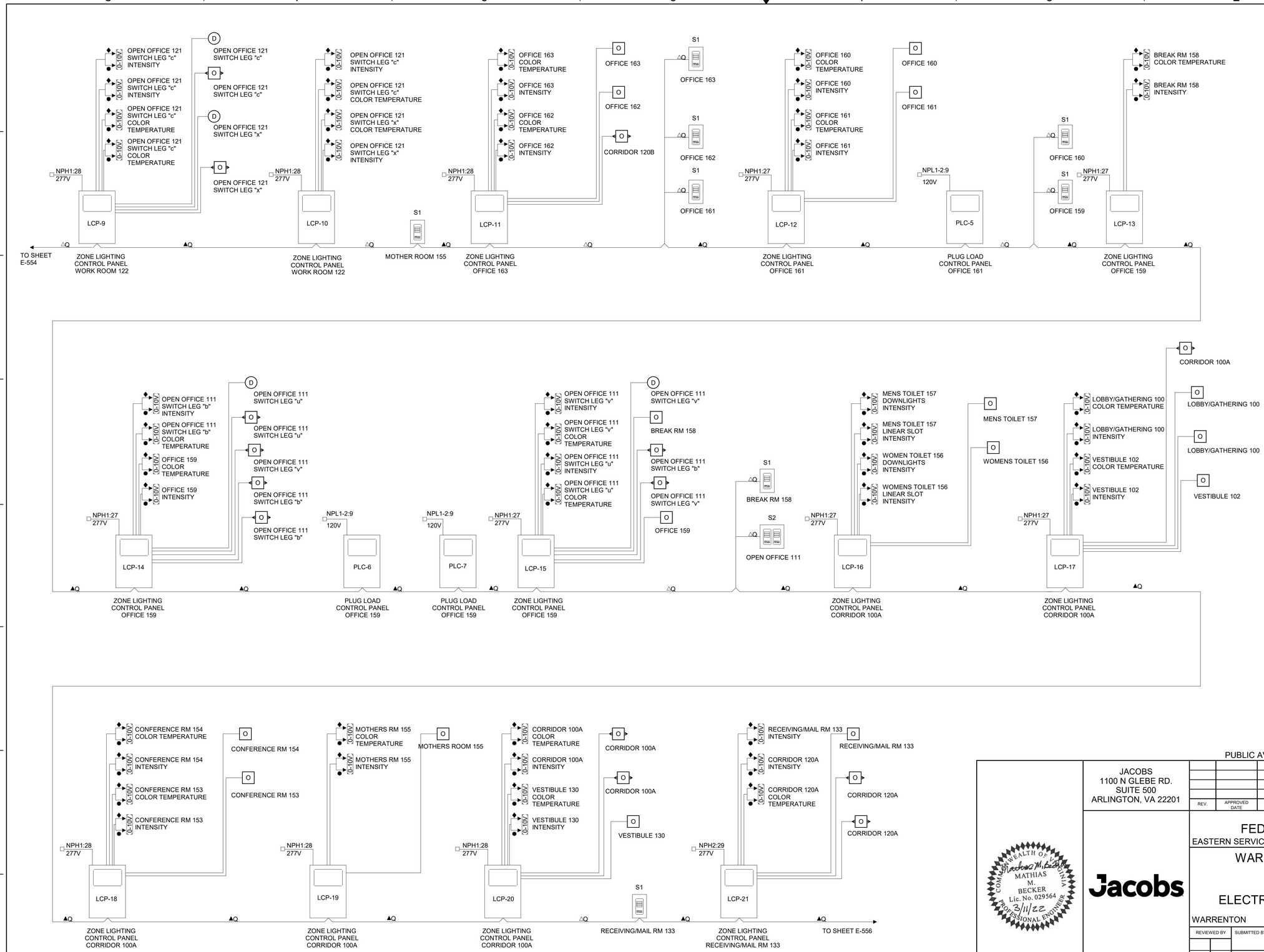

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WARRENTON ADMINISTRATIVE BUILDING

ELECTRICAL LIGHTING CONTROLS DIAGRAM

WARRENTON — DCCA ADM — VA

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WARRENTON, VA

DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS

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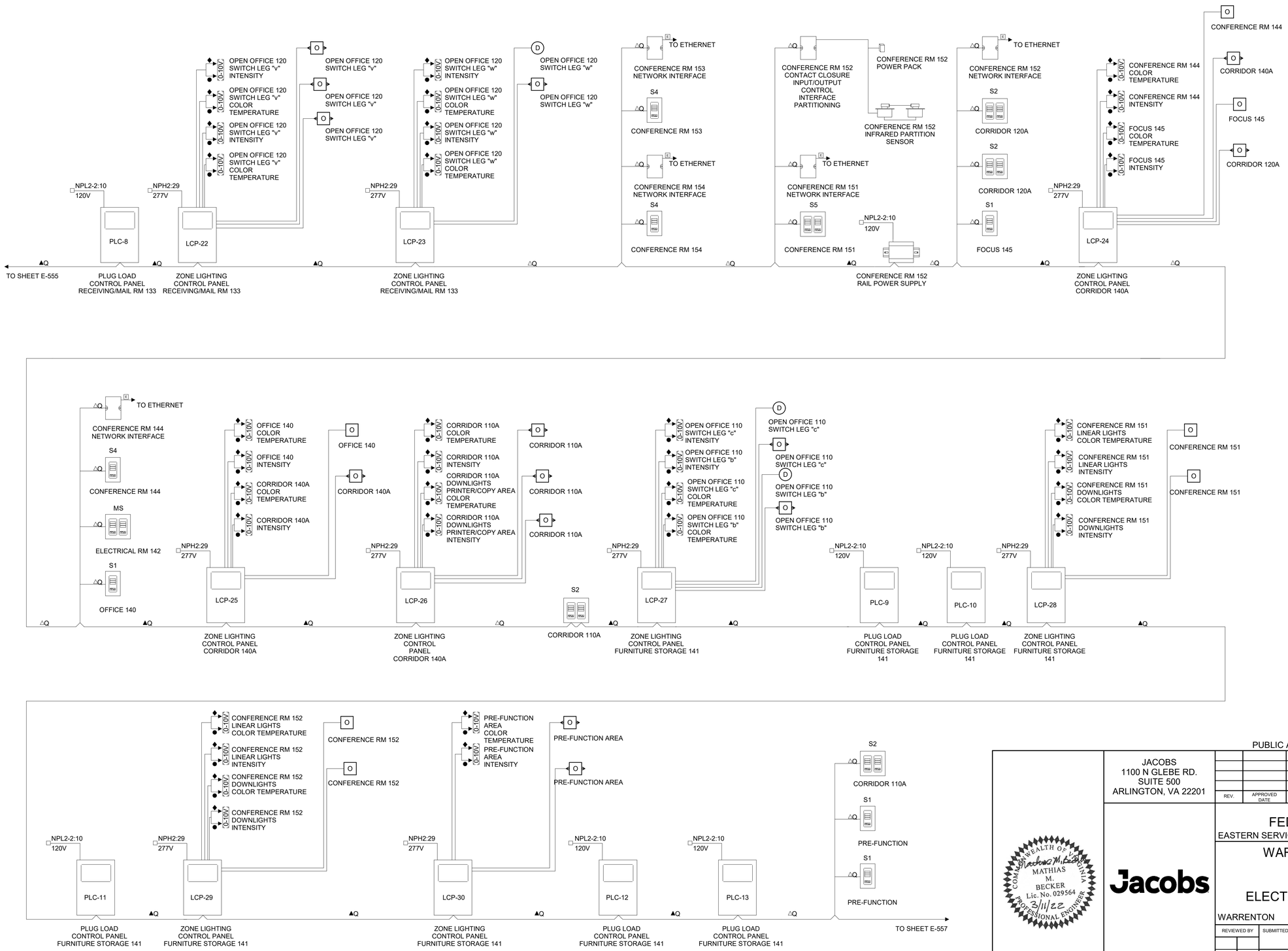

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FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ELECTRICAL LIGHTING CONTROLS DIAGRAM

WARRENTON — DCCA ADM — VA

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
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Jacobs

DCCA ADM
WARRENTON, VA

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DESIGNED BY M. BECKER
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CHECKED BY J. KOROULAKIS

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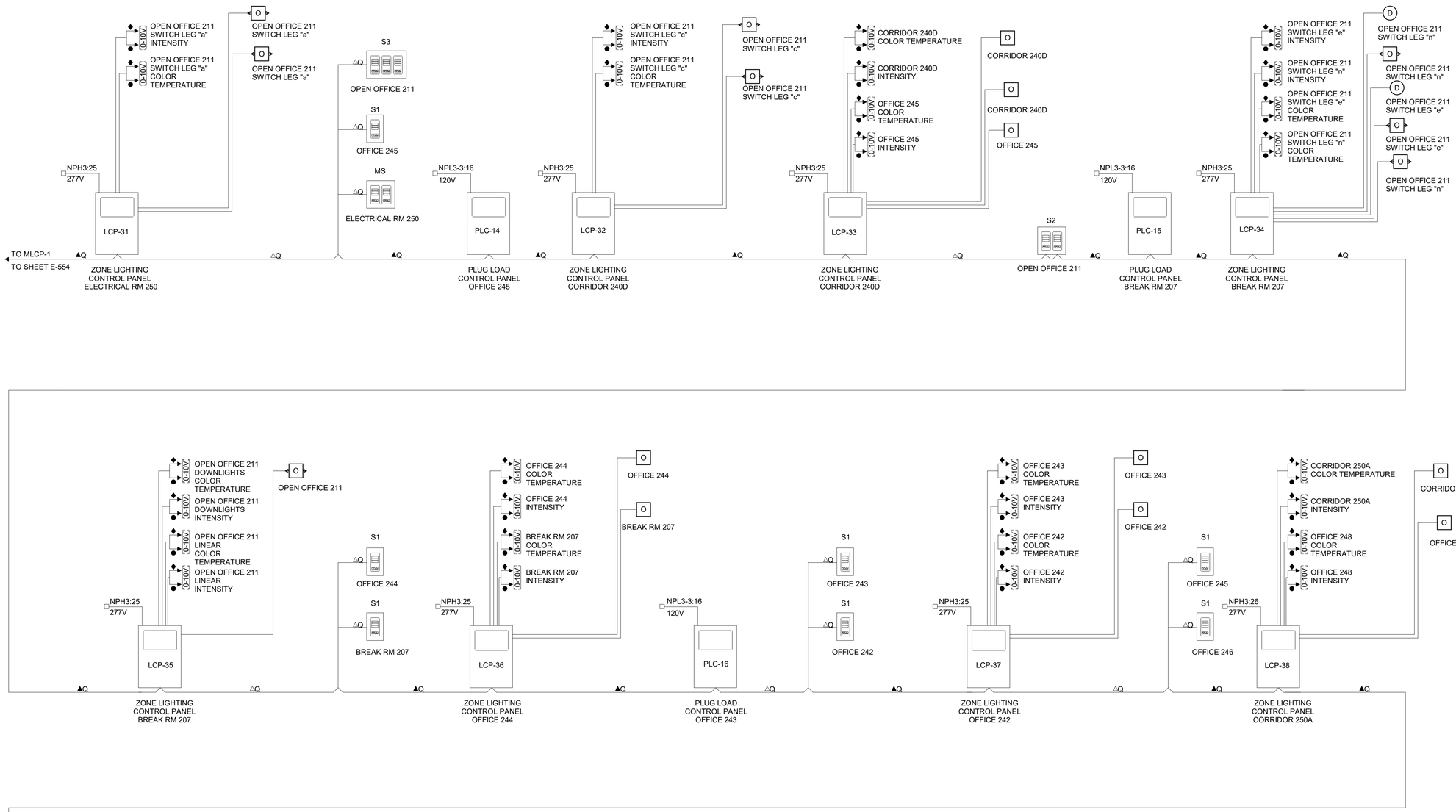

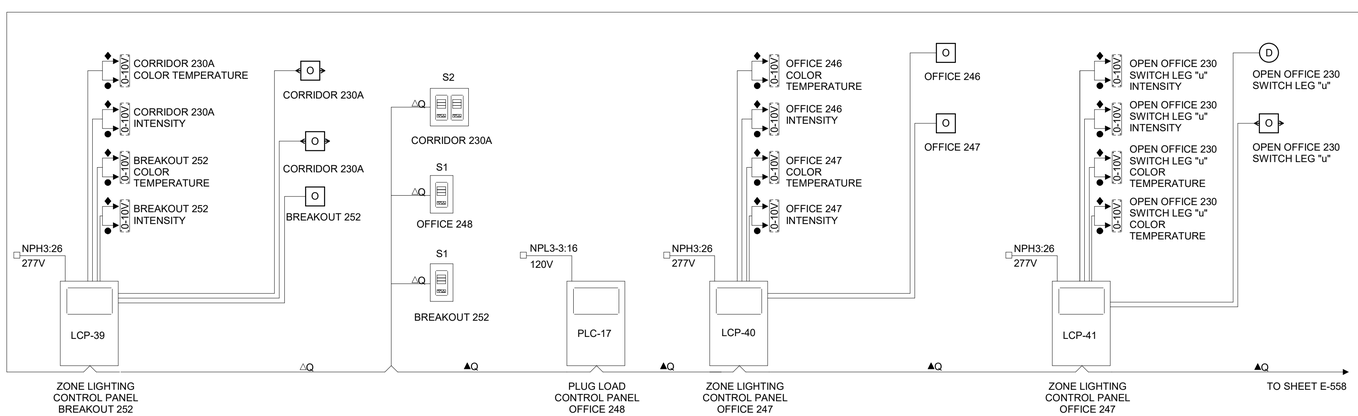

WIRING LEGEND

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- □ NORMAL INPUT POWER 2 #12 AWG (4 SQ MM) + GROUND
- ◪ NORMAL-EMERGENCY INPUT POWER 2 #12 AWG (4 SQ MM) + GROUND
- ③ 3 PHASE 4 WIRE INPUT POWER, 4 #12AWG (4 SQ MM) + GROUND
- ● 2 #12 AWG (4 SQ MM) + GROUND
- ○ 3 #12 AWG (4 SQ MM) + GROUND
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- ∞ 3#18 AWG (1.0 SQ MM)
- E ETHERNET CABLE. CAT5E OR BETTER CABLE FOR NETWORK TERMINATED WITH RJ45 CONNECTORS. 328 FT MAXIMUM RUN.

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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ELECTRICAL LIGHTING CONTROLS DIAGRAM

WARRENTON — DCCA ADM — VA

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

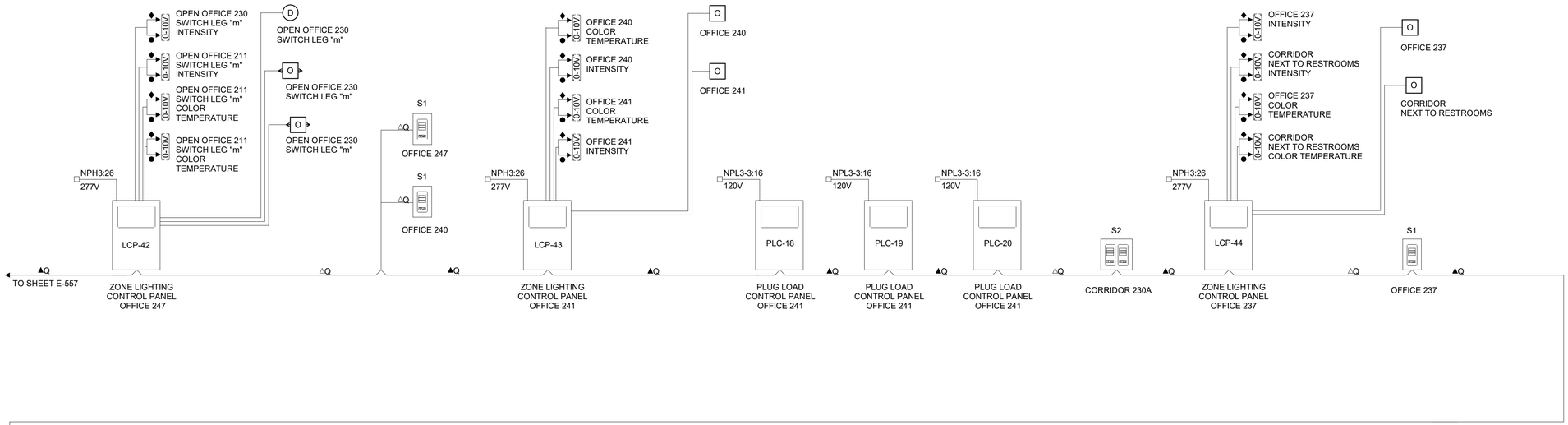
Jacobs

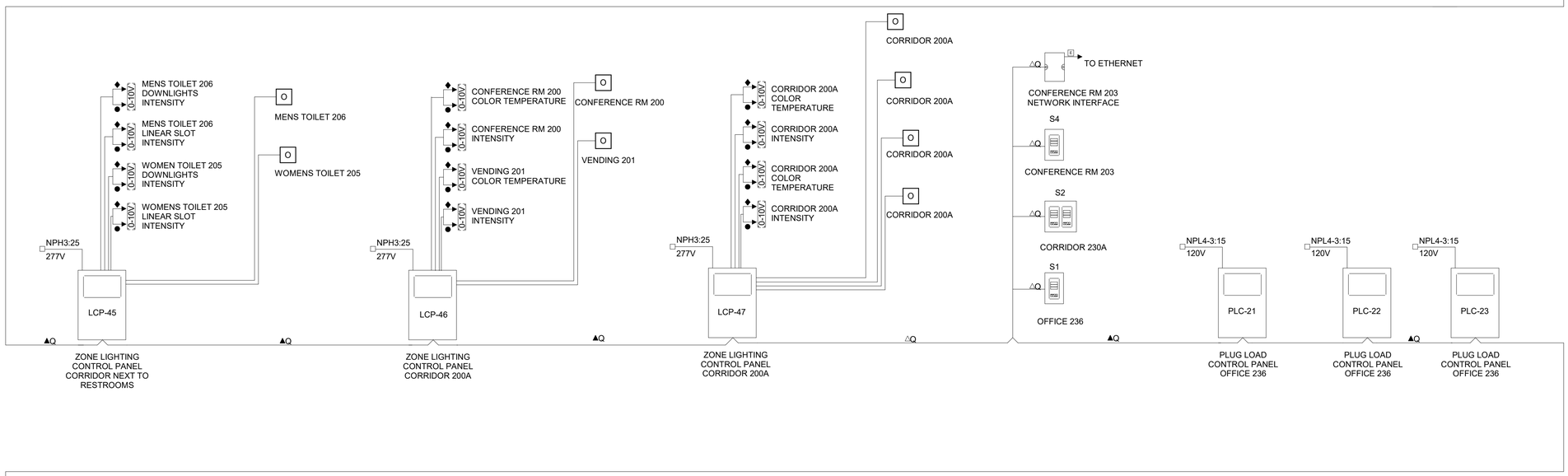
DCCA ADM
WARRENTON, VA

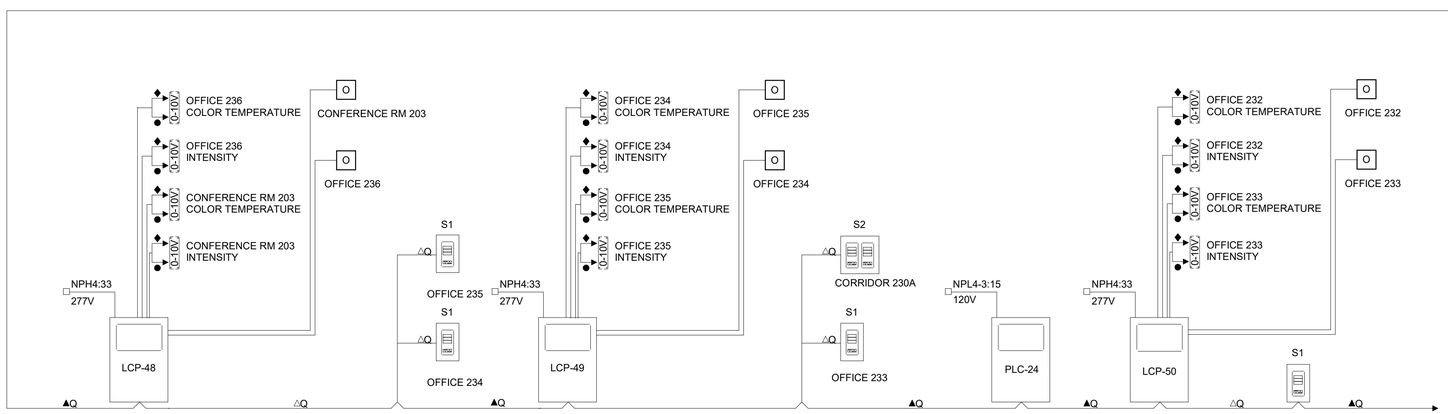
REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E557
REV.

PLOT DATE/TIME: 4/22/2022 10:35:22 AM







WIRING LEGEND

- △Q MULTI PAIR COMMUNICATION CONTROL LINK CABLING (CONNECT WIRES 1, 2, 3 AND 4)
- ▲Q MULTI PAIR COMMUNICATION CONTROL LINK CABLING (CONNECT WIRES 1, 3 AND 4. DO NOT CONNECT WIRE 2)
- □ NORMAL INPUT POWER 2 #12 AWG (4 SQ MM) + GROUND
- ◪ NORMAL-EMERGENCY INPUT POWER 2 #12 AWG (4 SQ MM) + GROUND
- ③ 3 PHASE 4 WIRE INPUT POWER, 4 #12AWG (4 SQ MM) + GROUND
- ● 2 #12 AWG (4 SQ MM) + GROUND
- ○ 3 #12 AWG (4 SQ MM) + GROUND
- ◆ 0-10 V SIGNAL: 2#18AWG (1.0 SQ MM)
- ↔ 2#18 AWG (1.0 SQ MM)
- ∞ 3#18 AWG (1.0 SQ MM)
- E ETHERNET CABLE. CAT5E OR BETTER CABLE FOR NETWORK TERMINATED WITH RJ45 CONNECTORS. 328 FT MAXIMUM RUN.

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ELECTRICAL LIGHTING CONTROLS DIAGRAM

WARRENTON — DCCA ADM — VA

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

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WARRENTON, VA

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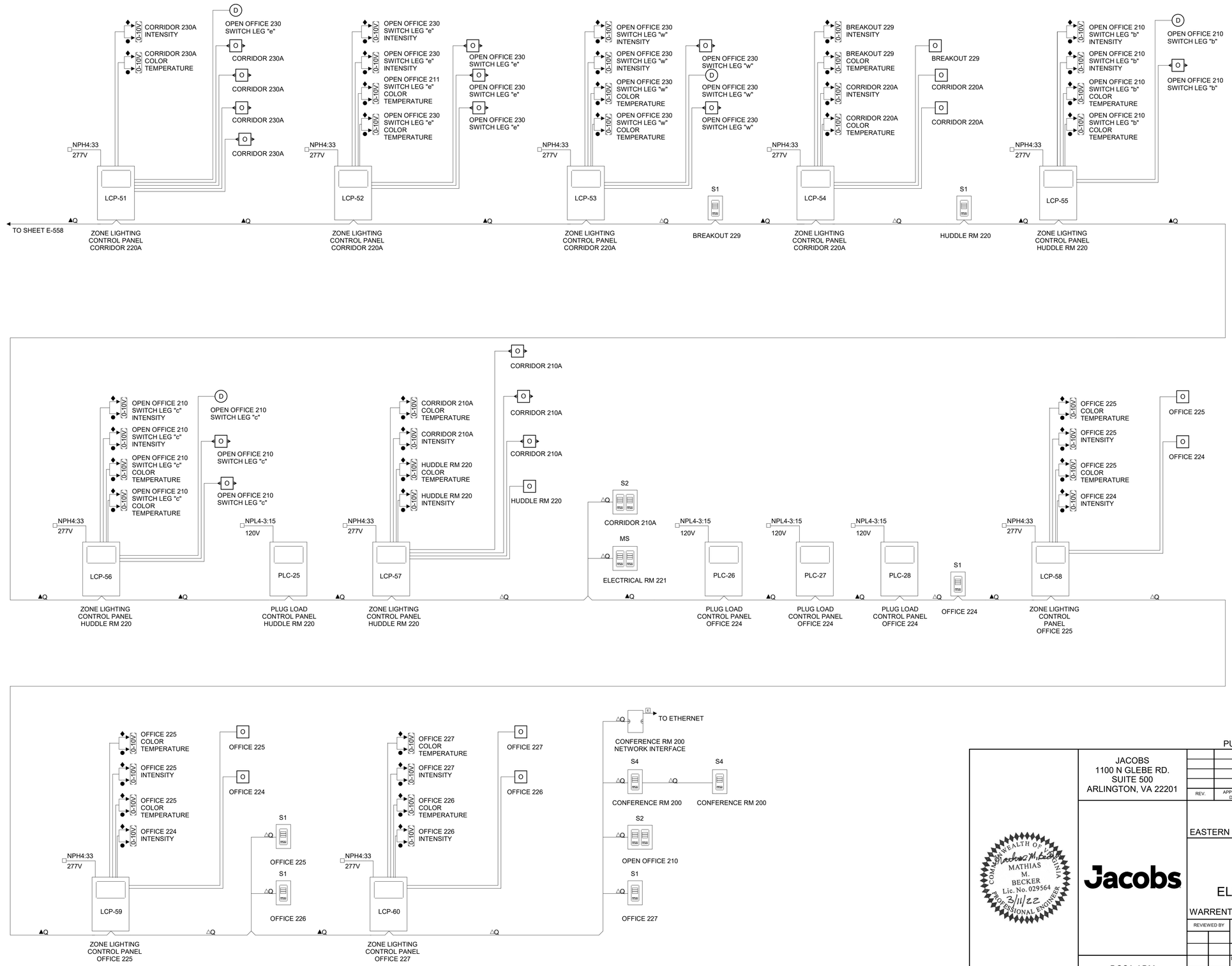

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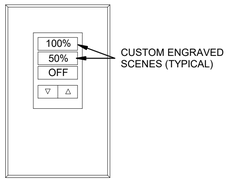


S1 ← TYPE OF SWITCH SHOWN ONLY FOR WIRING INFO (TYPICAL)

CONTROL SCHEME APPLIES TO THE FOLLOWING SPACES:

1. REFER TO LIGHTING CONTROLS DIAGRAM DRAWINGS FROM E554 TO E560 FOR ROOMS WITH S1 TYPE SWITCHES.

SPACES SHALL HAVE THE FOLLOWING FEATURES AND FUNCTIONS:

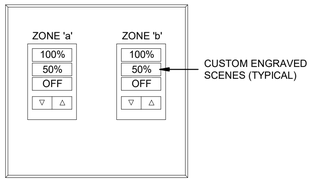
1. CEILING MOUNTED OCCUPANCY SENSOR AUTOMATICALLY TURNS ON LIGHTING TO 75% DURING ACTIVITY.
2. LIGHTING CONTROL STATION(S) SHALL PROVIDE THE SCENES AS SHOWN ABOVE. SCENES ARE DEFINED AS:

   PRIMARY CONTROL WITH DIMMING

   A. 100%: LIGHT FIXTURES IN THE SPACE SHALL TURN ON TO FULL LIGHT OUTPUT.
   B. 50%: LIGHT FIXTURES IN THE SPACE SHALL TURN ON TO 50% LIGHT OUTPUT.
   C. OFF: LIGHT FIXTURES IN THE SPACE SHALL TURN OFF.
   D. RAISE: LIGHT FIXTURES IN THE SPACE SHALL INCREMENTALLY INCREASE LIGHT OUTPUT UP TO FULL LIGHT OUTPUT. LOWER: LIGHT FIXTURES IN THE SPACE SHALL INCREMENTALLY DECREASE LIGHT OUTPUT DOWN TO OFF.
3. RECEPTACLE CONTROL: UPON DETECTION OF OCCUPANCY, SWITCHED RECEPTACLES IN THE SPACE SHALL TURN ON.
4. AUTOMATIC OFF: WHEN OCCUPANCY IS NOT DETECTED FOR 15 MINUTES, LIGHT FIXTURES AND SWITCHED RECEPTACLES IN THE SPACE SHALL TURN OFF.

NOTES:

1. PROVIDE THREE-WAY SWITCHES WHERE INDICATED ON THE LIGHTING PLANS.



S2

CONTROL SCHEME APPLIES TO THE FOLLOWING SPACES:

1. OPEN OFFICES WITH TWO ZONES. REFER TO LIGHTING PLANS AND CONTROLS DIAGRAMS FOR SWITCH ZONES.

SPACES SHALL HAVE THE FOLLOWING FEATURES AND FUNCTIONS:

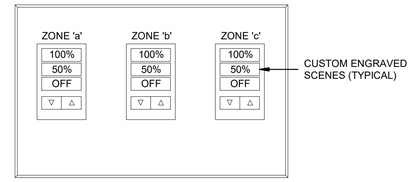
1. AUTOMATIC ON TO 75%: UPON DETECTION OF OCCUPANCY, LIGHT FIXTURES IN RESPECTIVE ZONE(S) SHALL TURN ON TO 75% LIGHT OUTPUT.
2. LIGHTING CONTROL STATION(S) SHALL PROVIDE THE SCENES AS SHOWN ABOVE. SCENES ARE DEFINED AS:

   PRIMARY CONTROL WITH DIMMING (ZONE 'a' AND ZONE 'b', ZONES DENOTED BY SWITCH LEG 'x")

   A. 100%: LIGHT FIXTURES IN ZONE 'x' SHALL TURN ON TO FULL LIGHT OUTPUT.
   B. 50%: LIGHT FIXTURES IN ZONE 'x' SHALL TURN ON TO 50% LIGHT OUTPUT.
   C. OFF: LIGHT FIXTURES IN ZONE 'x' SHALL TURN OFF.
   D. RAISE: LIGHT FIXTURES IN ZONE 'x' SHALL INCREMENTALLY INCREASE LIGHT OUTPUT UP TO FULL LIGHT OUTPUT. LOWER: LIGHT FIXTURES IN ZONE 'x' SHALL INCREMENTALLY DECREASE LIGHT OUTPUT DOWN TO OFF.
3. RECEPTACLE CONTROL: UPON DETECTION OF OCCUPANCY, SWITCHED RECEPTACLES IN THE SPACE SHALL TURN ON.
4. AUTOMATIC OFF: WHEN OCCUPANCY IS NOT DETECTED FOR 15 MINUTES, LIGHT FIXTURES AND SWITCHED RECEPTACLES IN THE SPACE SHALL TURN OFF.
5. FIRE ALARM OVERRIDE: UPON ACTIVATION OF FIRE ALARM, EMERGENCY LIGHT FIXTURES MUST TURN ON TO FULL LIGHT OUTPUT, REGARDLESS OCCUPANCY. WHEN FIRE ALARM SYSTEM IS DEACTIVATED, LIGHTING CONTROLS SHALL RESUME NORMAL PROGRAMMING.

NOTES:

1. PROVIDE THREE-WAY SWITCHES WHERE INDICATED ON THE LIGHTING PLANS.



S3

CONTROL SCHEME APPLIES TO THE FOLLOWING SPACES:

1. OPEN OFFICES WITH THREE ZONES. REFER TO LIGHTING PLANS AND CONTROLS DIAGRAMS FOR SWITCH ZONES.

SPACES SHALL HAVE THE FOLLOWING FEATURES AND FUNCTIONS:

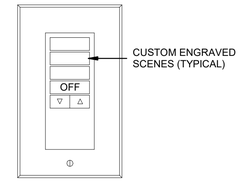
1. AUTOMATIC ON TO 75%: UPON DETECTION OF OCCUPANCY, LIGHT FIXTURES IN RESPECTIVE ZONE(S) SHALL TURN ON TO 75% LIGHT OUTPUT.
2. LIGHTING CONTROL STATION(S) SHALL PROVIDE THE SCENES AS SHOWN ABOVE. SCENES ARE DEFINED AS:

   PRIMARY CONTROL WITH DIMMING (ZONE 'a', ZONE 'b', AND ZONE, 'c', ZONES DENOTED BY SWITCH LEG 'x')

   A. 100%: LIGHT FIXTURES IN ZONE 'x' SHALL TURN ON TO FULL LIGHT OUTPUT.
   B. 50%: LIGHT FIXTURES IN ZONE 'x' SHALL TURN ON TO 50% LIGHT OUTPUT.
   C. OFF: LIGHT FIXTURES IN ZONE 'x' SHALL TURN OFF.
   D. RAISE: LIGHT FIXTURES IN ZONE 'x' SHALL INCREMENTALLY INCREASE LIGHT OUTPUT UP TO FULL LIGHT OUTPUT. LOWER: LIGHT FIXTURES IN ZONE 'x' SHALL INCREMENTALLY DECREASE LIGHT OUTPUT DOWN TO OFF.
3. RECEPTACLE CONTROL: UPON DETECTION OF OCCUPANCY, SWITCHED RECEPTACLES IN THE SPACE SHALL TURN ON.
4. AUTOMATIC OFF: WHEN OCCUPANCY IS NOT DETECTED FOR 15 MINUTES, LIGHT FIXTURES AND SWITCHED RECEPTACLES IN THE SPACE SHALL TURN OFF.
5. FIRE ALARM OVERRIDE: UPON ACTIVATION OF FIRE ALARM, EMERGENCY LIGHT FIXTURES MUST TURN ON TO FULL LIGHT OUTPUT, REGARDLESS OCCUPANCY. WHEN FIRE ALARM SYSTEM IS DEACTIVATED, LIGHTING CONTROLS SHALL RESUME NORMAL PROGRAMMING.

NOTES:

1. PROVIDE THREE-WAY SWITCHES WHERE INDICATED ON THE LIGHTING PLANS.



S4

CONTROL SCHEME APPLIES TO THE FOLLOWING SPACES:

1. CONFERENCE ROOMS 144, 154, 153, 200 AND 203

SPACES SHALL HAVE THE FOLLOWING FEATURES AND FUNCTIONS:

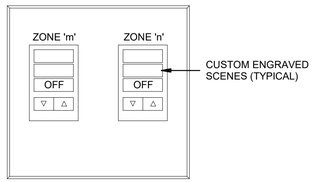
1. CEILING MOUNTED OCCUPANCY SENSOR AUTOMATICALLY TURNS ON LIGHTING TO 75% DURING ACTIVITY.
2. LIGHTING CONTROL STATION(S) SHALL PROVIDE THE SCENES AS SHOWN ABOVE. SCENES ARE DEFINED AS:

   PRIMARY CONTROL WITH DIMMING

   A. USER CONFIGURED SCENES TO BE FIELD PROGRAMMED
   B. USER CONFIGURED SCENES TO BE FIELD PROGRAMMED
   C. USER CONFIGURED SCENES TO BE FIELD PROGRAMMED
   D. OFF: LIGHT FIXTURES IN THE SPACE SHALL TURN OFF.
   E. RAISE: LIGHT FIXTURES IN THE SPACE SHALL INCREMENTALLY INCREASE LIGHT OUTPUT UP TO FULL LIGHT OUTPUT. LOWER: LIGHT FIXTURES IN THE SPACE SHALL INCREMENTALLY DECREASE LIGHT OUTPUT DOWN TO OFF.
3. RECEPTACLE CONTROL: UPON DETECTION OF OCCUPANCY, SWITCHED RECEPTACLES IN THE SPACE SHALL TURN ON.
4. AUTOMATIC OFF: WHEN OCCUPANCY IS NOT DETECTED FOR 15 MINUTES, LIGHT FIXTURES AND SWITCHED RECEPTACLES IN THE SPACE SHALL TURN OFF.

NOTES:

1. PROVIDE THREE-WAY SWITCHES WHERE INDICATED ON THE LIGHTING PLANS.



S5

CONTROL SCHEME APPLIES TO THE FOLLOWING SPACES:

1. CONFERENCE ROOM 151

SPACES SHALL HAVE THE FOLLOWING FEATURES AND FUNCTIONS:

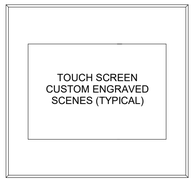
1. AUTOMATIC ON TO 75%: UPON DETECTION OF OCCUPANCY, LIGHT FIXTURES IN RESPECTIVE ZONE(S) SHALL TURN ON TO 75% LIGHT OUTPUT.
2. LIGHTING CONTROL STATION(S) SHALL PROVIDE THE SCENES AS SHOWN ABOVE. SCENES ARE DEFINED AS:

   PRIMARY CONTROL WITH DIMMING (ZONE 'm' AND ZONE 'n', ZONE DENOTED BY SWITCH LEG 'x')

   A. USER CONFIGURED SCENES TO BE FIELD PROGRAMMED.
   B. USER CONFIGURED SCENES TO BE FIELD PROGRAMMED.
   C. OFF: LIGHT FIXTURES IN ZONE 'x' SHALL TURN OFF.
   D. RAISE: LIGHT FIXTURES IN ZONE 'x' SHALL INCREMENTALLY INCREASE LIGHT OUTPUT UP TO FULL LIGHT OUTPUT. LOWER: LIGHT FIXTURES IN ZONE 'x' SHALL INCREMENTALLY DECREASE LIGHT OUTPUT DOWN TO OFF.
3. RECEPTACLE CONTROL: UPON DETECTION OF OCCUPANCY, SWITCHED RECEPTACLES IN THE SPACE SHALL TURN ON.
4. AUTOMATIC OFF: WHEN OCCUPANCY IS NOT DETECTED FOR 15 MINUTES, LIGHT FIXTURES AND SWITCHED RECEPTACLES IN THE SPACE SHALL TURN OFF.

NOTES:

1. PROVIDE FOUR-WAY SWITCH.



S7

CONTROL SCHEME APPLIES TO THE FOLLOWING SPACES:

1. CONFERENCE ROOM 151 AND 152

SPACES SHALL HAVE THE FOLLOWING FEATURES AND FUNCTIONS:

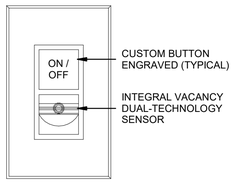
1. AUTOMATIC ON TO 75%: UPON DETECTION OF OCCUPANCY, LIGHT FIXTURES IN RESPECTIVE ZONE(S) SHALL TURN ON TO 75% LIGHT OUTPUT.
2. LIGHTING CONTROL STATION(S) SHALL PROVIDE THE SCENES AS SHOWN ABOVE. SCENES ARE DEFINED AS:

   PRIMARY CONTROL WITH DIMMING

   USER CONFIGURED SCENES TO BE FIELD PROGRAMMED.
   PARTITION STATUS
   OFF: LIGHT FIXTURES IN ZONES DENOTED BY SWITCH LEG 'x' SHALL TURN OFF.
   RAISE: LIGHT FIXTURES IN ZONE 'x' SHALL INCREMENTALLY INCREASE LIGHT OUTPUT UP TO FULL LIGHT OUTPUT. LOWER: LIGHT FIXTURES IN ZONE 'x' SHALL INCREMENTALLY DECREASE LIGHT OUTPUT DOWN TO OFF.
3. RECEPTACLE CONTROL: UPON DETECTION OF OCCUPANCY, SWITCHED RECEPTACLES IN THE SPACE SHALL TURN ON.
4. AUTOMATIC OFF: WHEN OCCUPANCY IS NOT DETECTED FOR 15 MINUTES, LIGHT FIXTURES AND SWITCHED RECEPTACLES IN THE SPACE SHALL TURN OFF.

NOTES:

1. PROVIDE THREE-WAY SWITCHES WHERE INDICATED ON THE LIGHTING PLANS.

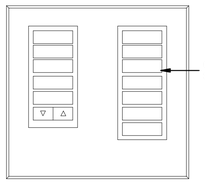


CONTROL SCHEME APPLIES TO THE FOLLOWING SPACES:

1. STORAGE ROOMS, JANITOR CLOSETS, FURNITURE STORAGE ROOMS

SPACES SHALL HAVE THE FOLLOWING FEATURES AND FUNCTIONS:

1. MANUAL ON: INITIAL ENTRY INTO THE SPACE SHALL REQUIRE MANUAL ACTIVATION OF LIGHT FIXTURES THROUGH LOCAL LIGHTING CONTROL STATION.
2. LIGHTING CONTROL STATION IS A LINE VOLTAGE STAND-ALONE WALL STATION WITH INTEGRAL VACANCY DUAL-TECHNOLOGY AND MANUAL ON/OFF PUSH BUTTON.
3. ON/OFF: WHEN THE LIGHT FIXTURE(S) IN THE SPACE IS (ARE) OFF, MANUAL ACTIVATION OF THE PUSH BUTTON SHALL TURN ON THE LIGHT FIXTURE(S) IN THE SPACE TO FULL LIGHT OUTPUT. WHEN THE LIGHT FIXTURE(S) IN THE SPACE IS (ARE) ON, MANUAL ACTIVATION OF THE PUSH BUTTON SHALL TURN OFF THE LIGHT FIXTURE(S) IN THE SPACE.
4. AUTOMATIC OFF: WHEN OCCUPANCY IS NOT DETECTED FOR 15 MINUTES, LIGHT FIXTURES IN THE SPACE SHALL TURN OFF.



MS

NOTES:

1. MASTER SWITCHES LOCATED AT ELECTRICAL ROOMS 142, 170, 221, AND 250.

MASTER SWITCH SHALL HAVE THE FOLLOWING FEATURES AND FUNCTIONS:

1. COLOR TEMPERATURE CONTROL FOR ALL ZONES THAT ARE LOCATED WITHIN THE PART 1 / PART 2 OF THE FLOOR AREAS.
2. INTENSITY CONTROL FOR ALL ZONES THAT ARE LOCATED WITHIN THE PART 1 / PART 2 OF THE FLOOR AREAS.

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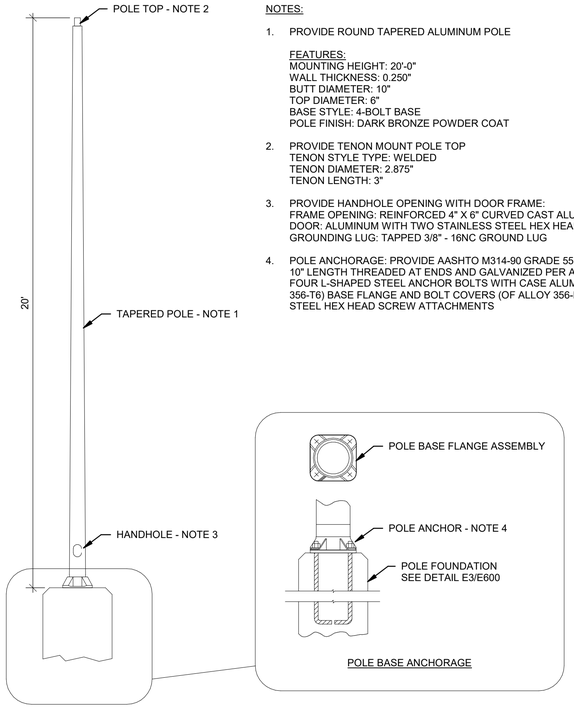


NOTES:

1. PROVIDE ROUND TAPERED ALUMINUM POLE

   FEATURES:
   MOUNTING HEIGHT: 20'-0"
   WALL THICKNESS: 0.250"
   BUTT DIAMETER: 10"
   TOP DIAMETER: 6"
   BASE STYLE: 4-BOLT BASE
   POLE FINISH: DARK BRONZE POWDER COAT

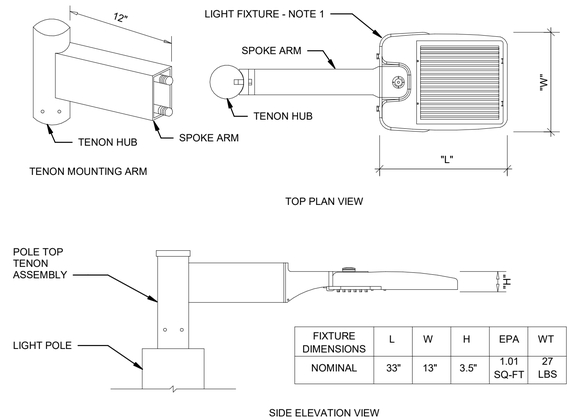
2. PROVIDE TENON MOUNT POLE TOP
   TENON STYLE TYPE: WELDED
   TENON DIAMETER: 2.875"
   TENON LENGTH: 3"

3. PROVIDE HANDHOLE OPENING WITH DOOR FRAME:
   FRAME OPENING: REINFORCED 4" X 6" CURVED CAST ALUMINUM
   DOOR: ALUMINUM WITH TWO STAINLESS STEEL HEX HEAD SCREW MOUNTS
   GROUNDING LUG: TAPPED 3/8" - 16NC GROUND LUG

4. POLE ANCHORAGE: PROVIDE AASHTO M314-90 GRADE 55 STEEL BOLTS WITH 10" LENGTH THREADED AT ENDS AND GALVANIZED PER ASTM A153. PROVIDE FOUR L-SHAPED STEEL ANCHOR BOLTS WITH CASE ALUMINUM (OF ALLOY 356-T6) BASE FLANGE AND BOLT COVERS (OF ALLOY 356-F) AND STAINLESS STEEL HEX HEAD SCREW ATTACHMENTS

E8 / E601 TYPICAL LIGHT POLE DETAIL

NTS



FIXTURE DIMENSIONS	L	W	H	EPA	WT
NOMINAL	33"	13"	3.5"	1.01 SQ-FT	27 LBS

NOTES:

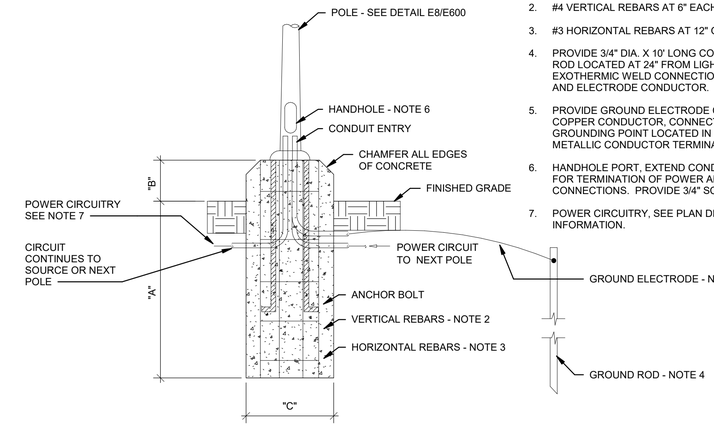
1. PROVIDE LED AREA LUMINAIRE TYPE P1 AND P2.
2. PROVIDE POLE TOP TENON ARM MOUNT FOR ALUMINUM POLE. ARMS AND FIXTURE MOUNTING POSITION: ONE AT 90 DEGREES. HUB SIZE AND SPOKE LENGTH: 2.375" DIAMETER TENON, 12" LENGTH, FINISH DARK BRONZE TO MATCH POLE AND FIXTURE FINISH.

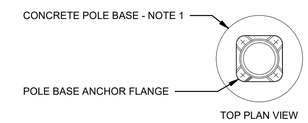
E5 / E601 TYPICAL LUMINAIRE ASSEMBLY DETAIL

NTS

NOTES:

1. PROVIDE CONCRETE POLE BASE WITH STEELREINFORCEMENT.
2. #4 VERTICAL REBARS AT 6" EACH FACE
3. #3 HORIZONTAL REBARS AT 12" ON CENTER
4. PROVIDE 3/4" DIA. X 10' LONG COPPER EARTH DRIVEN GROUND ROD LOCATED AT 24" FROM LIGHT POLE BASE. PROVIDE EXOTHERMIC WELD CONNECTION BETWEEN GROUND ROD AND ELECTRODE CONDUCTOR.
5. PROVIDE GROUND ELECTRODE CONDUCTOR, #1/0AWG BARE COPPER CONDUCTOR, CONNECT TO POLE INTERNAL GROUNDING POINT LOCATED IN HANDHOLE PORT. PROVIDE BI-METALLIC CONDUCTOR TERMINATION.
6. HANDHOLE PORT, EXTEND CONDUIT INTO HANDHOLE AREA FOR TERMINATION OF POWER AND GROUNDING CONNECTIONS. PROVIDE 3/4" SCHEDULE 80 PVC CONDUIT
7. POWER CIRCUITRY, SEE PLAN DRAWINGS FOR WIRE SIZE INFORMATION.

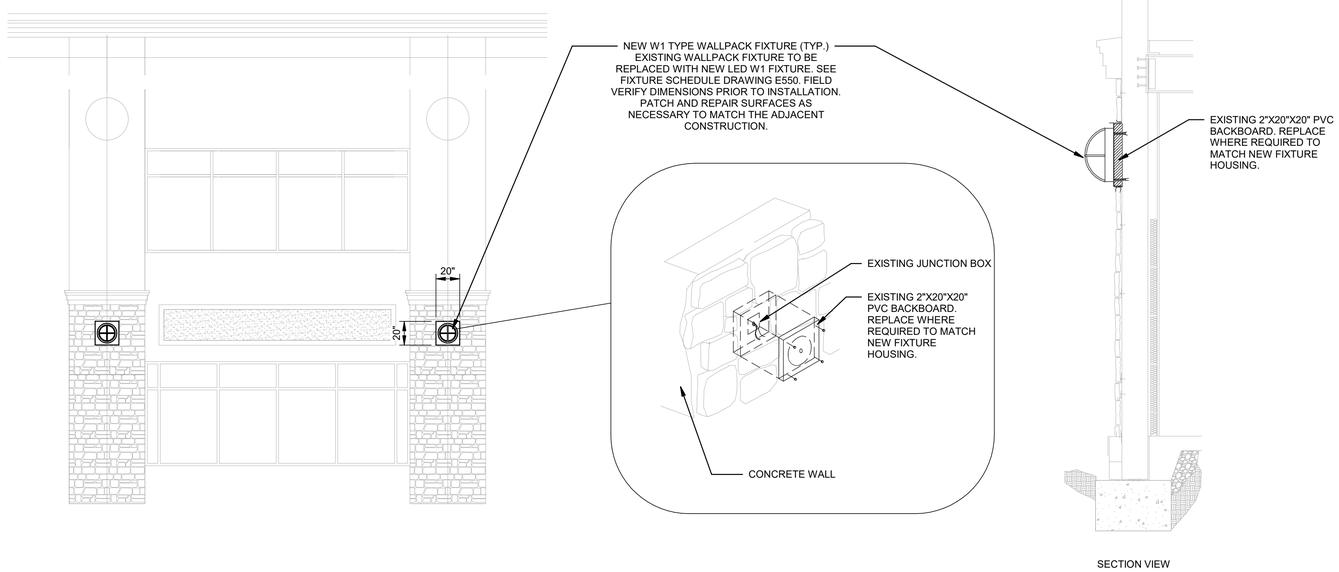




POLE HEIGHT	A	B	C
20'	48"	12"	24"

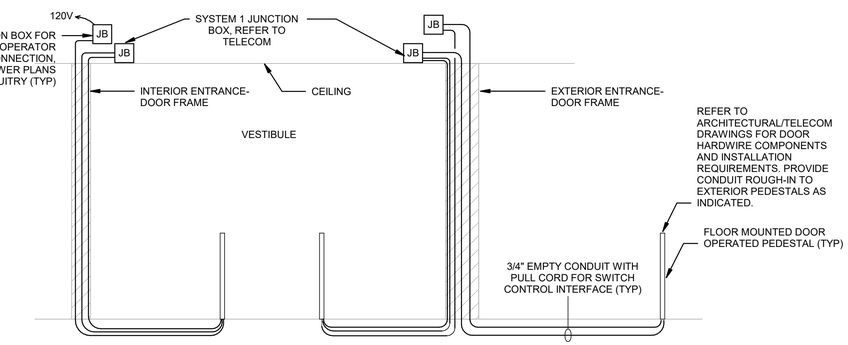
E3 / E601 LIGHT POLE - BASE FOUNDATION DETAIL

NTS



A8 / E601 TYPICAL EXTERIOR WALLPACK DETAIL

NTS



C3 / E601 TYPICAL ELECTRICAL WIRING DETAIL - DOOR OPERATOR PUSH

NTS

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MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ELECTRICAL DETAILS

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS

ISSUED BY
ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E601
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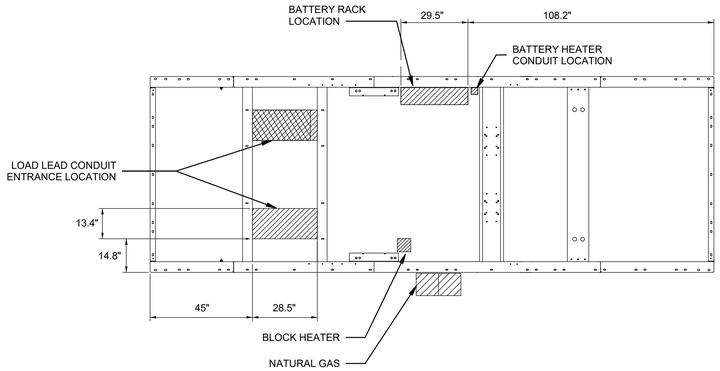
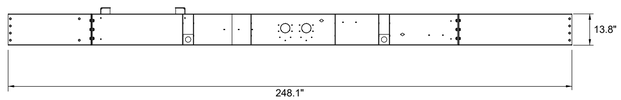
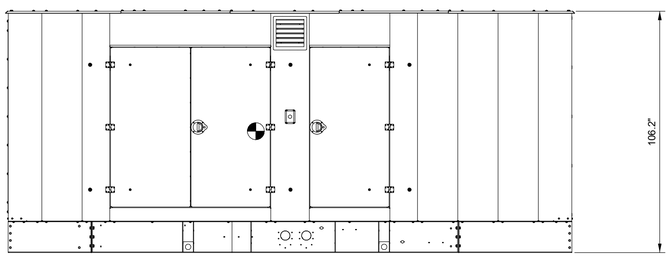


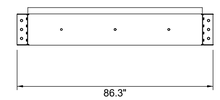
PLAN VIEW - SUB FRAME ASSEMBLY



FRAME ELEVATION



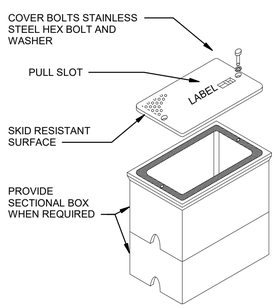
SIDE ELEVATION VIEW



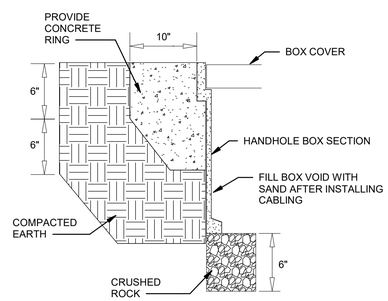
END ELEVATION VIEW

D8 E602 GENERATOR SET - ENCLOSURE DETAILS

NTS



ISOMETRIC VIEW



SECTION VIEW

NOTES:

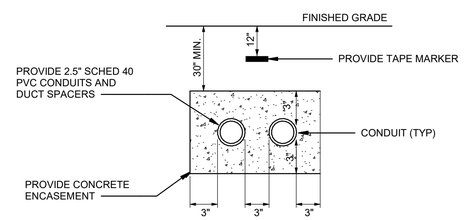
1. PROVIDE HOUSING WITH POLYMER CONCRETE REINFORCED AND HEAVY WEAVE FIBERGLASS. REINFORCING WITH COMPRESSIVE STRENGTH OF NO LESS THAN 10,000 PSI.
2. PROVIDE COVER AND BOX SERVICE LOAD RATING OF NO LESS THAN 15,000 LBS OVER A 10" x 10" AREA.
3. PROVIDE STAINLESS STEEL HEX HEAD BOLTS AND INSERTS.
4. PROVIDE WITH (2) 2 1/2" MOUSEHOLES.
5. PROVIDE COVER LABEL "ELECTRIC" OR "COMMUNICATION" AS REQUIRED FOR SYSTEM APPLICATION.

HANDHOLE	DIMENSIONS
NOMINAL	65" X 41" X 36" DEEP

SIZE PULL BOX TO ACCOMMODATE CONDUIT ENTRY.

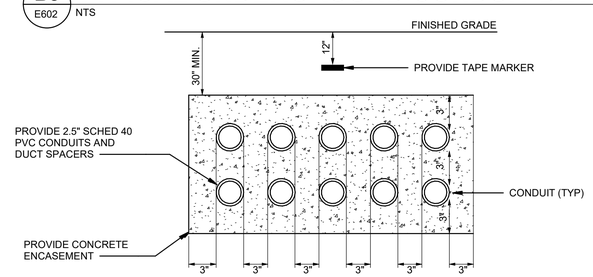
A8 E602 TYPICAL HANDHOLE ASSEMBLY DETAIL

NTS



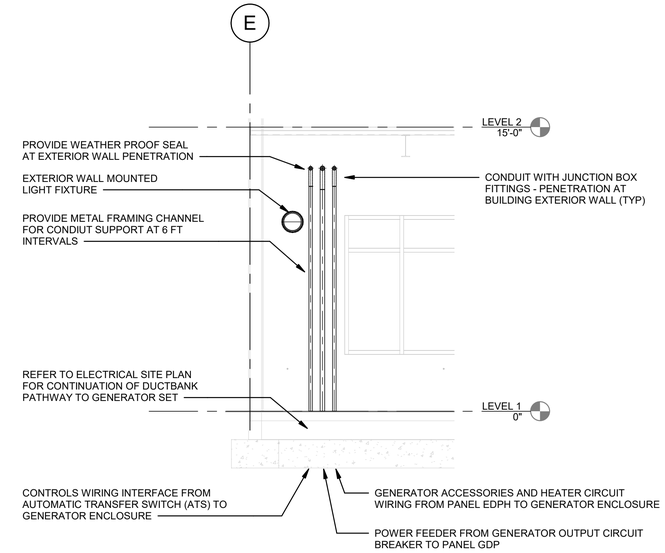
B5 E602 TYPICAL UNDERGROUND CONDUIT DETAIL

NTS



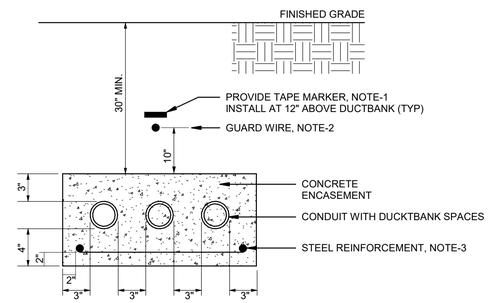
A5 E602 TYPICAL UNDERGROUND CONDUIT DETAIL

NTS



E3 E602 GENERATOR POWER FEEDER ELEVATION DETAIL

NTS



NOTES:

1. PROVIDE WARNING MARKER TAPE.
2. PROVIDE #4/0 AWG BARE COPPER GUARD WIRE. TERMINATE CONDUCTOR AT EACH END TO A GUARD ROD CONNECTED TO COUNTERDISE LOOP CONDUCTOR.
3. PROVIDE DUCTBANK STEEL REINFORCEMENT WITH #4 REBAR AND #8 WIRE HOOPS TIED ON 12" CENTERS. COORDINATE STEEL PLACEMENT AND CONDUIT DUCT CONFIGURATION TO PREVENT CONDUCTIVE LOOPS. PROVIDE RED DYES COLOR CONCRETE.

C3 E602 GENERATOR POWER FEEDER - DUCTBANK DETAIL

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ELECTRICAL DETAILS

WARRENTON — DCCA ADM — VA

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DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
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DCCA ADM
WARRENTON, VA

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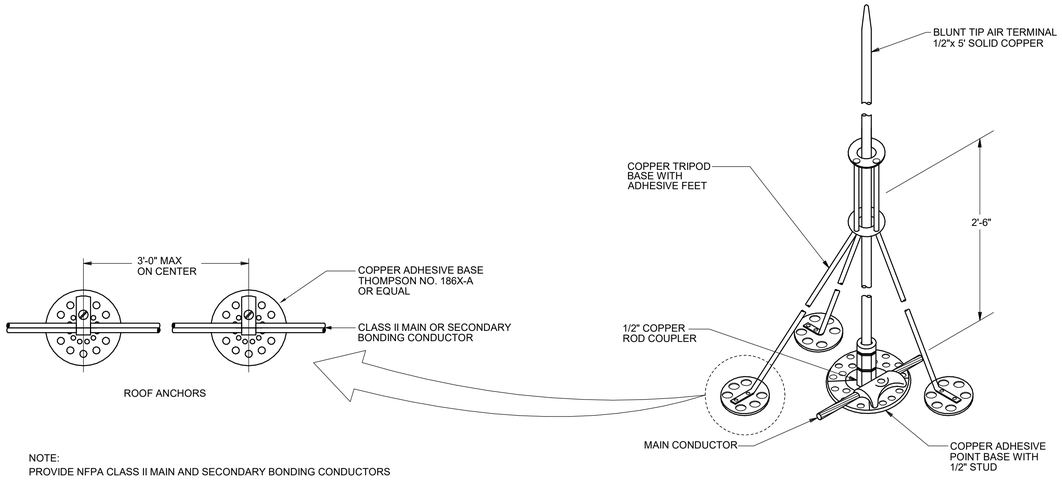
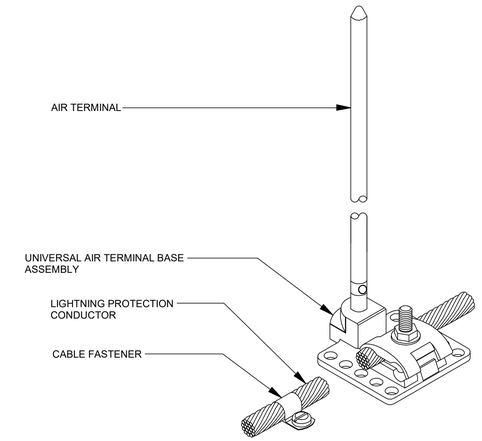


NOTE:
PROVIDE NFPA CLASS II MAIN AND SECONDARY BONDING CONDUCTORS

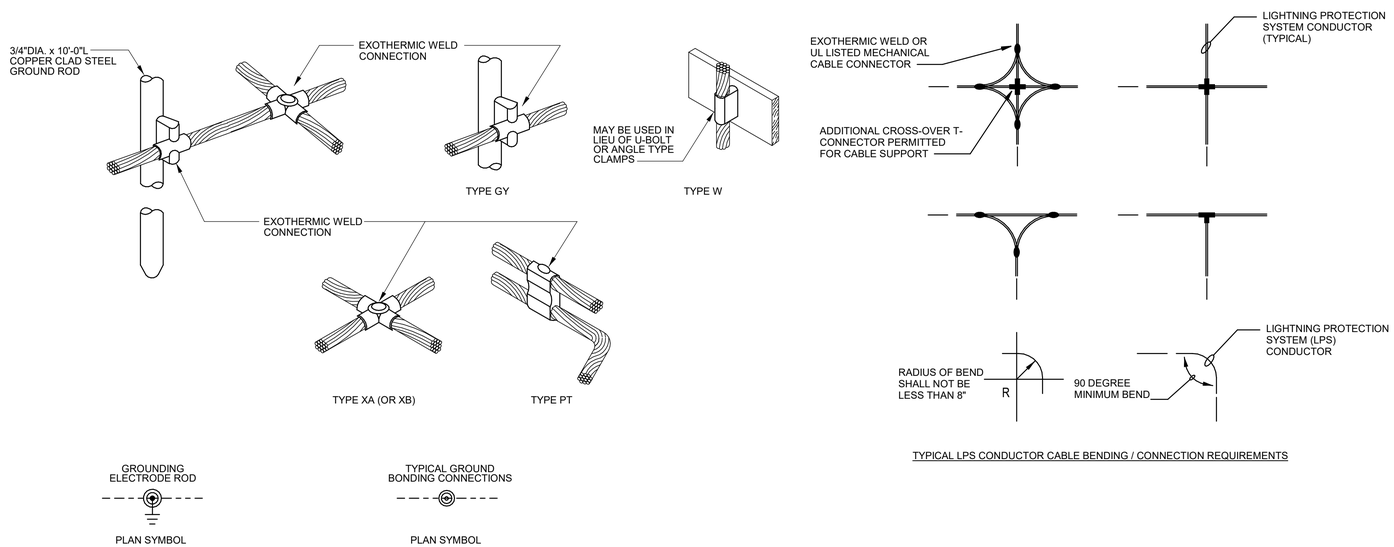
F8 / E603 AIR TERMINAL MOUNTING DETAIL (ON FLAT ROOF)

NTS



F3 / E603 TYPICAL AIR TERMINAL MOUNTING DETAIL

NTS



TYPICAL LPS CONDUCTOR CABLE BENDING / CONNECTION REQUIREMENTS

B8 / E603 TYPICAL GROUNDING CONNECTION DETAILS

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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ELECTRICAL DETAILS

WARRENTON — DCCA ADM — VA

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DESIGNED BY: M. BECKER
DRAWN BY: D. RUSTAMOVA
CHECKED BY: J. KOROULAKIS
ISSUED BY: ENGINEERING SERVICES TERMINAL
DATE: 03/11/2022 | JCN: 21001763
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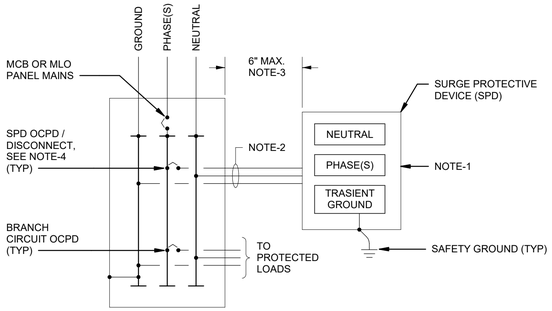


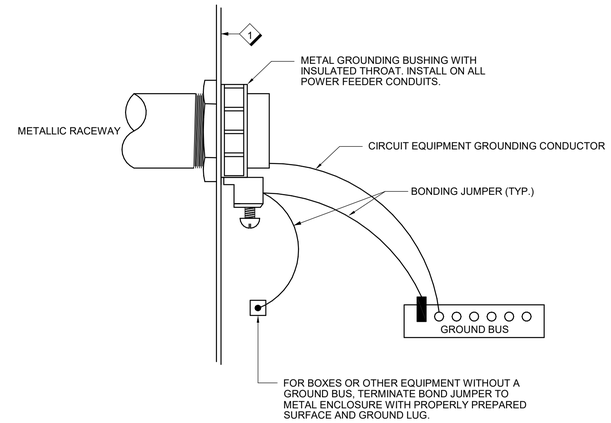
DISTRIBUTION OR BRANCH PANELBOARD APPLICATION:

NOTES:

1. SURGE PROTECTIVE DEVICE BASIS OF DESIGN:
   A. TYPE-1 SPD:
      RAYVOSS SERIES STRIKESORB 80, 480Y/277V SYSTEM 200kA SURGE CURRENT CAPACITY, MODEL #277-3Y-A1-4-03-C
   B. TYPE-2 SPD:
      RAYVOSS SERIES STRIKESORB 80, 208Y/120V SYSTEMS, 200kA SURGE CURRENT CAPACITY, MODEL #120-3Y-A1-4-03-A
   C. PROVIDE NEMA-1 ENCLOSURE FOR INTERIOR LOCATION, NEMA-3R FOR EXTERIOR LOCATIONS
   D. PROVIDE SURGE COUNTER AND PHASE INDICATION LED'S.
2. PROVIDE CONDUCTORS IN CONDUIT SIZED TO MATCH SPD INPUT TERMINAL CONNECTION PER MANUFACTURER'S RECOMMENDATION. MINIMUM WIRE SIZE #8 AWG UNLESS OTHERWISE NOTED.
3. INSTALL CONDUCTOR LEAD LENGTHS AS STRAIGHT AND SHORT AS POSSIBLE.
4. LOCATE SPD CIRCUIT BREAKER IN POSITION NEARST THE PANEL MAIN CIRCUIT BREAKER OR INCOMING LUG TERMINALS.

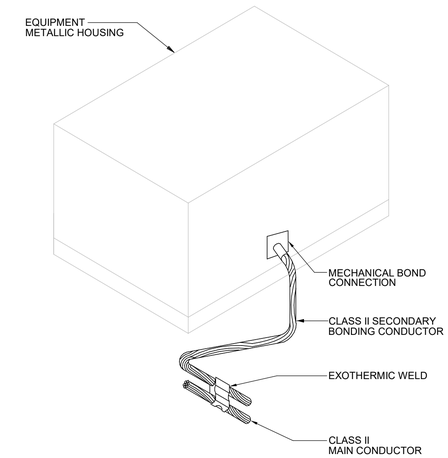
E8 / E604 TYPICAL SPD CONNECTION DETAIL

NTS



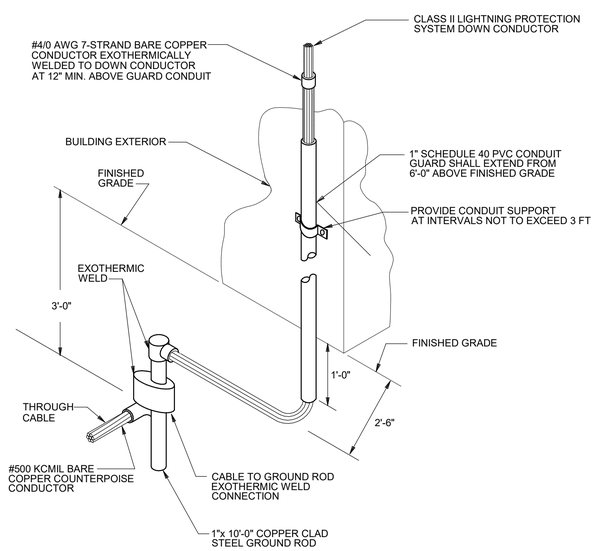
E5 / E604 TYPICAL CONDUIT BONDING DETAIL

NTS



A3 / E604 TYPICAL EQUIPMENT BONDING DETAIL

NTS



A8 / E604 TYPICAL DOWN CONDUCTOR CONNECTION DETAIL

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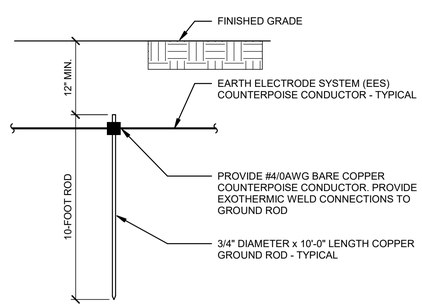
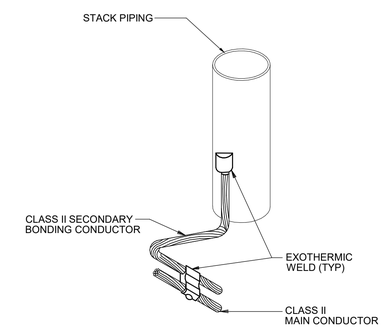


A5 / E604 TYPICAL GROUND ROD INSTALLATION DETAIL

NTS



C3 / E604 TYPICAL VENT STACK BONDING DETAILS

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WARRENTON ADMINISTRATIVE BUILDING

ELECTRICAL DETAILS

WARRENTON — DCCA ADM — VA

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DCCA ADM
WARRENTON, VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

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DRAWN BY: D. RUSTAMOVA
CHECKED BY: J. KOROULAKIS
ISSUED BY: ENGINEERING SERVICES TERMINAL
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CONTACTOR CONTROL SCHEDULE

MARK	LOAD DESCRIPTION	CIRCUITS CONTROLLED	POLES	RATING	CONTACTOR LOCATION	CONTROL	REMARKS
C1	SITE LIGHTS	EPH1:4	1	30A	-	ZONE 1 (NOTE 4)	MECHANICALLY HELD
C1A	EXTERIOR WALLPACKS	EPH1:12	1	30A	-	ZONE 2 (NOTE 4)	MECHANICALLY HELD
C2	EXTERIOR WALLPACKS	EPH1:14	1	30A	-	ZONE 2 (NOTE 4)	MECHANICALLY HELD
C2A	EXTERIOR ENTRANCE	EPH1:3	1	30A	-	ZONE 3 (NOTE 4)	ELECTRICALLY HELD, NORMALLY CLOSED
C3	FUTURE	-	-	30A	-	ZONE 4 (NOTE 4)	-
C4	FUTURE	-	-	30A	-	ZONE 4 (NOTE 4)	-

NOTES:

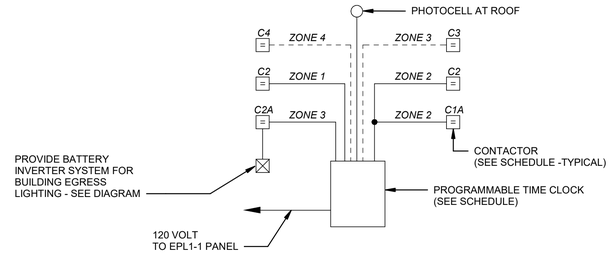
1. CONTACTORS TO BE MECHANICALLY HELD TYPE ASCO #917 SERIES WITH MODULE OR APPROVED EQUIVALENT.
2. CONTACTORS TO BE HOUSED IN NEMA 1 WALL MOUNTED CABINET WITH HINGED LOUVERED DOOR. LOCATE CABINET ADJACENT TO LIGHTING PANEL.
3. PROVIDE 120 VOLT COIL POWER.
4. PROGRAMMABLE TIME CLOCK CONTROL (SEE SCHEDULE AND DIAGRAM).

PROGRAMMABLE TIME CLOCK SCHEDULE

ZONE	DESCRIPTION	CONTROL
1	SITE LIGHTS	DUSK ON/TIMECLOCK OFF
2	EXTERIOR WALL MOUNTED LIGHTING	DUSK ON/DAWN OFF
3	EXTERIOR ENTRANCE LIGHTS	DUSK ON/DAWN OFF

NOTES:

1. CLOCK SHALL BE PARAGON #EC74/120D SERIES APPROVED EQUIVALENT WITH BATTERY BACK-UP
2. THE CLOCK SHALL HAVE THE FOLLOWING FEATURE: MEMORY BATTERY BACK-UP, 4 INDEPENDENT ON/OFF CHANNEL CONTROLS (ZONES),TIME OF DAY/365 DAY CALENDAR W/HOLIDAY PROGRAMMING, AUTOMATIC LEAP YEAR CORRECTION, AND PHOTOCELL INPUT FOR DUSK ON/DAWN OFF SIGNAL
3. THE CONTRACTOR SHALL COORDINATE AND SET INITIAL CHANNEL CONTROL SETTING AS DIRECTED BY THE OWNER.

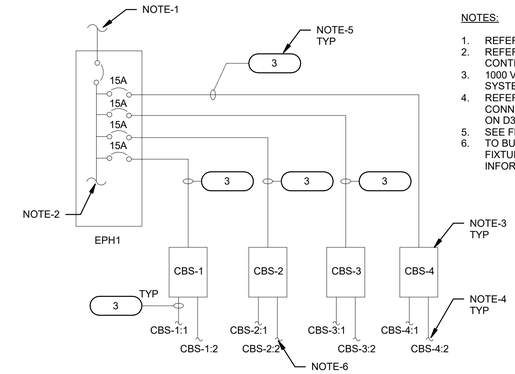


NOTES :

1. PROVIDE MANUAL BY PASS "ON" SWITCHES FOR ALL CONTACTORS.
2. CONTACTORS TO BE GANGED AND LOCATED IN AN ENCLOSED VENTILATED CABINET WITH HINGED DOOR.

F6 / E605 TIME CLOCK / CONTACTOR CONTROL DIAGRAM

NTS

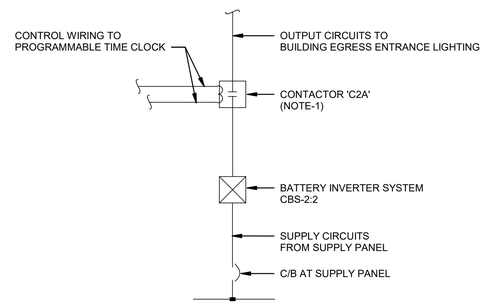


NOTES:

1. REFER TO DRAWING E800 FOR CONTINUATION.
2. REFER TO DRAWING E502 FOR PANEL SCHEDULE CONTINUATION.
3. 1000 VA EMERGENCY LIGHTING BATTERY INVERTER SYSTEM.
4. REFER TO LIGHTING PLANS, EMERGENCY FIXTURES CONNECTED TO TWO CIRCUITS. SEE WIRING DETAIL ON D3/E605.
5. SEE FEEDER SCHEDULE ON E801 DRAWING.
6. TO BUILDING EXTERIOR ENTRANCE EMERGENCY FIXTURES. SEE DETAIL D6/A605 FOR ADDITIONAL INFORMATION.

F3 / E605 POWER ONE-LINE FOR INTERIOR EMERGENCY LIGHTING

NTS

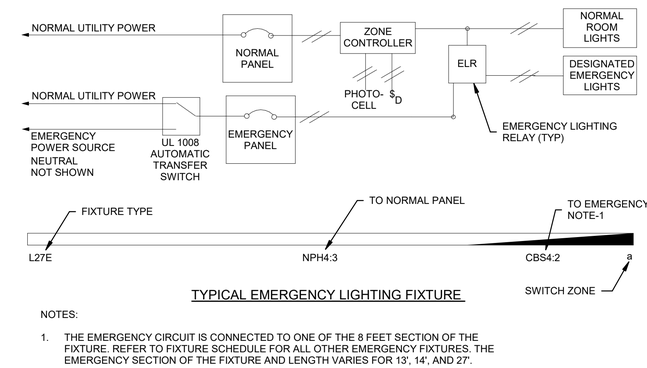


NOTES :

1. CONTACTOR 'CA2' SHALL BE ELECTRICALLY HELD AND NORMALLY CLOSED TYPE SUCH THAT THE CONTACTOR SHALL FAIL SAFE CLOSED UPON LOSS OF TIME CLOCK SIGNAL.

D6 / E605 TYPICAL EXTERIOR EMERGENCY LIGHTING DIAGRAM

NTS



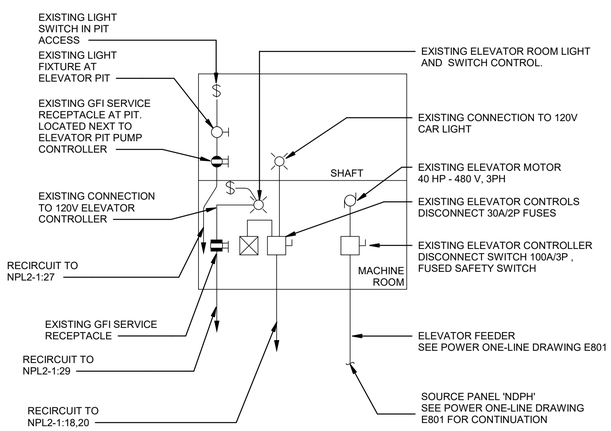
TYPICAL EMERGENCY LIGHTING FIXTURE

NOTES:

1. THE EMERGENCY CIRCUIT IS CONNECTED TO ONE OF THE 8 FEET SECTION OF THE FIXTURE. REFER TO FIXTURE SCHEDULE FOR ALL OTHER EMERGENCY FIXTURES. THE EMERGENCY SECTION OF THE FIXTURE AND LENGTH VARIES FOR 13', 14', AND 27'.

D3 / E605 TYPICAL INTERIOR EMERGENCY LIGHTING DIAGRAM

NTS

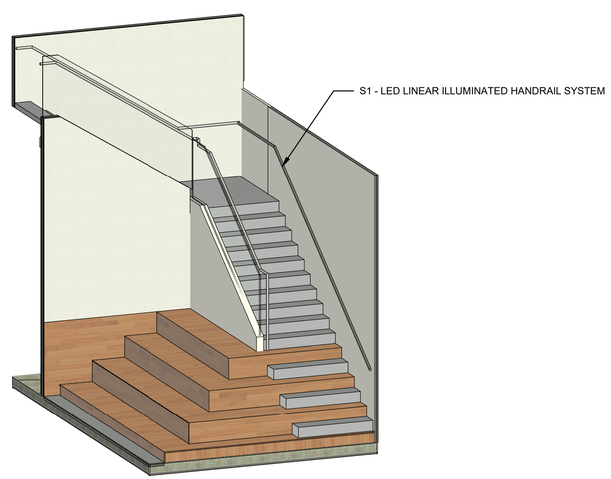


NOTE:

1. DIAGRAM ILLUSTRATES THE EXISTING POWER UTILITIES FOR EXISTING ELEVATOR EQUIPMENT TO REMAIN INTACT. PROVIDE NEW BRANCH CIRCUITRY AS INDICATED TO REFEED THE EXISTING SYSTEM.

A8 / E605 ELEVATOR WIRING DIAGRAM

NTS



NOTE:

1. REFER TO ARCHITECTURAL PLANS FOR HANDRAIL DESIGN, LAYOUT, AND MATERIAL INFORMATION.

A6 / E605 ISOMETRIC VIEW MAIN LOBBY STAIR LIGHTING

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ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	AP/D

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

ELECTRICAL DETAILS

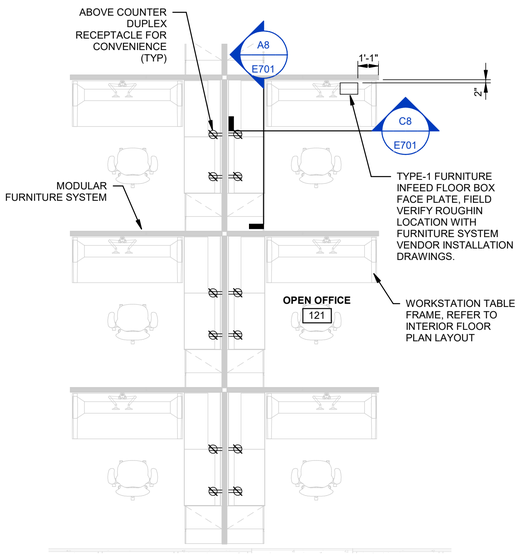
WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

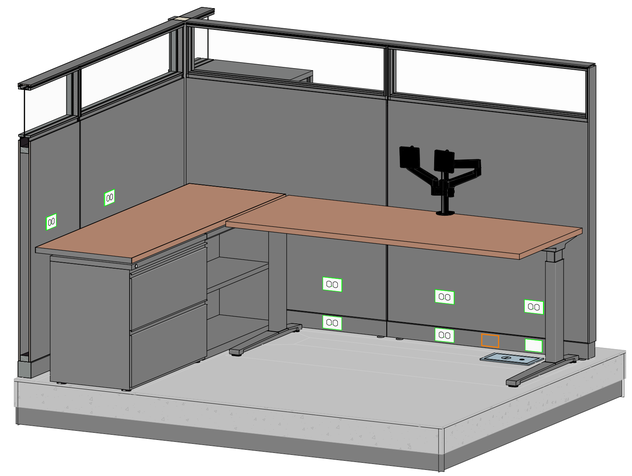
DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E605
REV.

PLOT DATE/TIME: 4/22/2022 10:42:21 AM

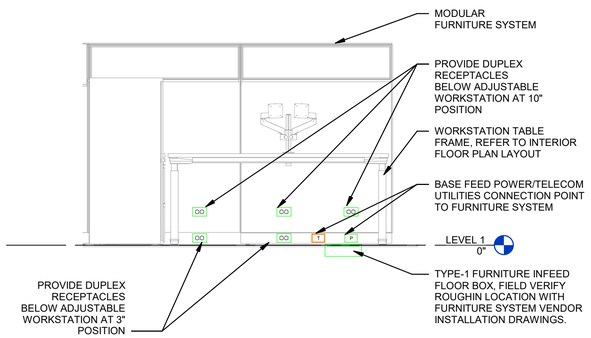


E8 / E701 TYP. FIRST FLOOR OPEN OFFICE PLAN VIEW

NTS

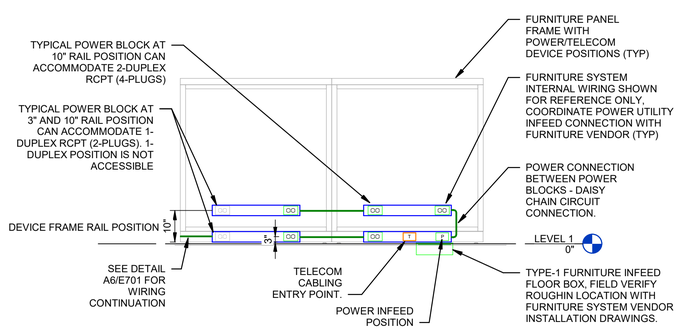


E6 / E701 FIRST FLOOR OPEN OFFICE ISOMETRIC VIEW



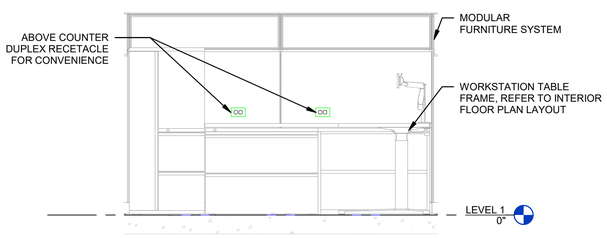
C8 / E701 FIRST FLOOR CUBICLE - ELEVATION DETAIL-A

NTS



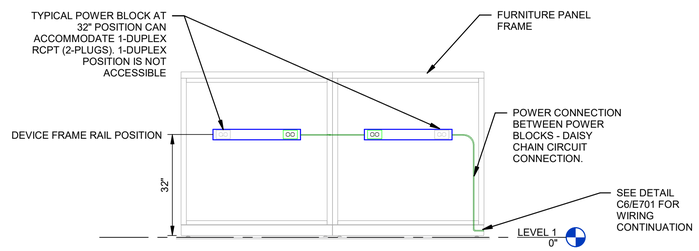
C6 / E701 FIRST FLOOR CUBICLE - WIRING DIAGRAM-A

NTS



A8 / E701 FIRST FLOOR CUBICLE - ELEVATION DETAIL-B

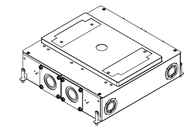
NTS



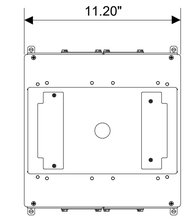
A6 / E701 FIRST FLOOR CUBICLE - WIRING DIAGRAM-B

NTS

TYPE-1 RECESSED FLOOR BOX - FURNITURE INFEED



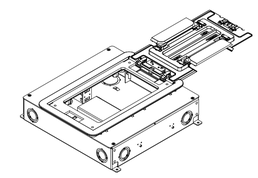
ISOMETRIC VIEW



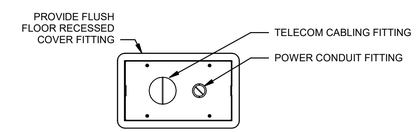
TOP PLAN VIEW

NOTES:

1. PROVIDE A UL 514A RATED GALVANIZED STEEL BOX ASSEMBLY WITH EPOXY COATED ON EXTERIOR SURFACE FOR CONCRETE INSTALLATION.
2. PROVIDE GALVANIZED STEEL TOP MOUNTING ASSEMBLY WITH ZINC COATING FINISH.
3. PROVIDE INTERIOR ASSEMBLY COMPONENTS:
   - A. COPPER GROUND BONDING CONNECTION
   - B. GALVANIZED STEEL WIRING CHANNEL WITH ZINC FINISH
   - C. GALVANIZED STEEL REMOVABLE WIRING CHANNEL DIVIDERS WITH ZINC FINISH
   - D. GALVANIZED STEEL FLUSH TEMPORARY COVER WITH ZINC FINISH
   - E. THERMOPLASTIC RAISED TEMPORARY COVER
4. PROVIDE CONDUIT ENTRY POINT PROVISIONS:
   - A. BOX ENDS: SIZES FROM 3/4" TO 2" CONDUITS
   - B. BOX SIDES: SIZES FROM 3/4" TO 1 1/2" CONDUITS
   - C. BOTTOM: SIZES FROM 1/2" TO 1 1/4" CONDUITS



FLUSH COVER DETAIL OPEN



FLUSH COVER DETAIL - SURFACE STYLE

NOTES:

1. PROVIDE BRUSHED ALUMINUM FINISH COVER.
2. PROVIDE CONDUIT ENTRY POINT PROVISIONS:
   - A. POWER: 3/4" CONDUIT WITH THREADED HUB
   - B. COMM: 2" CONDUIT WITH THREADED HUB

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JACOBS
1100 N GLEBE RD.
SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

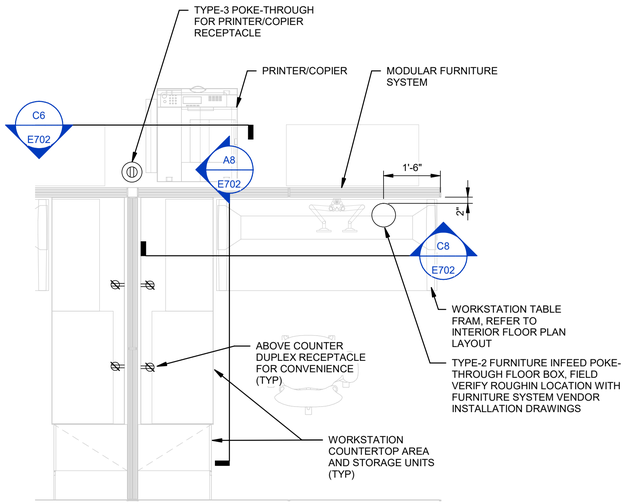
FIRST FLOOR TYPICAL FURNITURE POWER CONNECTIONS

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

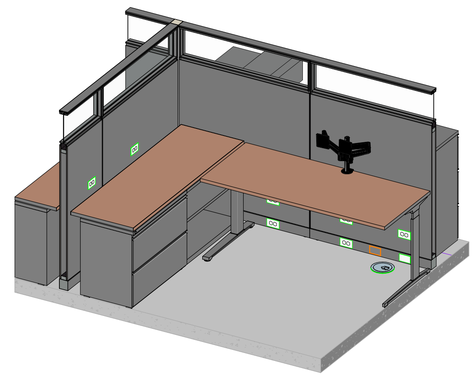
DESIGNED BY: M. BECKER
DRAWN BY: D. RUSTAMOVA
CHECKED BY: J. KOROULAKIS
ISSUED BY: ENGINEERING SERVICES TERMINAL
DATE: 03/11/2022
JCN: 21001763
DRAWING NO.: DCCA - D - ADM - E701
REV.

PLOT DATE/TIME: 4/22/2022 10:42:30 AM



E8 / E702 TYP. SECOND FLOOR OPEN OFFICE PLAN VIEW

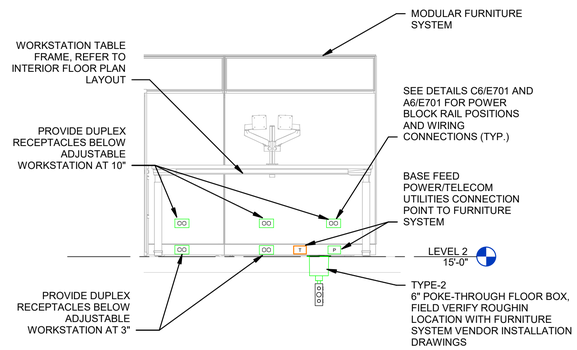
NTS



NOTES:

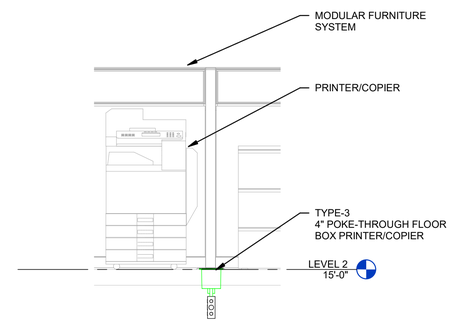
THE FURNITURE MANUFACTURER WILL PROVIDE FOUR DUPLEX OUTLETS AND ONE DATA OUTLET ABOVE THE DESK SURFACE AREA. ADDITIONALLY, PROVIDE TWO BASE FEED CUTOUTS AND COVERS FOR POWER CONDUIT AND DATA CABLES TO PULL FROM THE FURNITURE INFEED POKE-THROUGH FLOOR BOX.

E6 / E702 SECOND FLOOR OPEN OFFICE ISOMETRIC VIEW



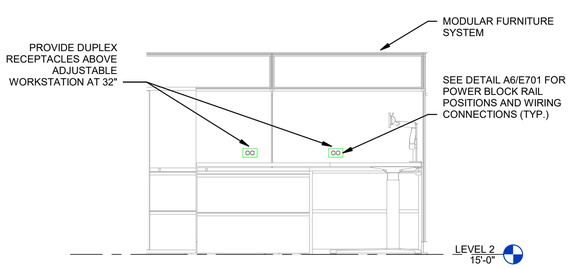
C8 / E702 SECOND FLOOR CUBICLE - ELEVATION DETAIL-A

NTS



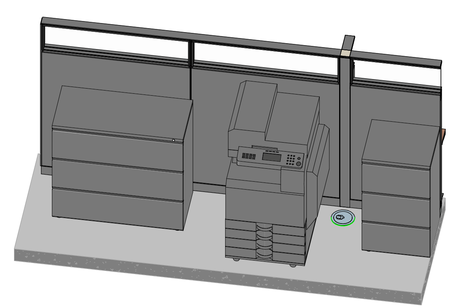
C6 / E702 SECOND FLOOR OPEN OFFICE PRINTER

NTS



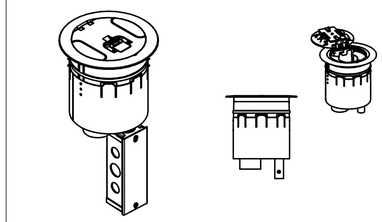
A8 / E702 SECOND FLOOR CUBICLE - ELEVATION DETAIL-B

NTS

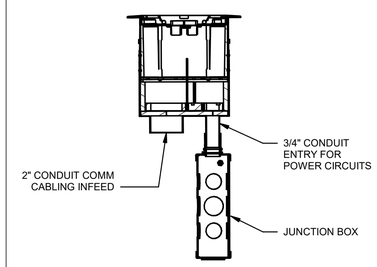


A6 / E702 SECOND FLOOR PRINTER ISOMETRIC VIEW

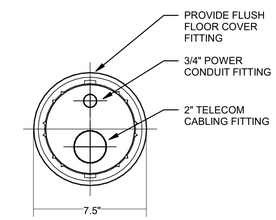
TYPE-2 BOX



ISOMETRIC VIEW

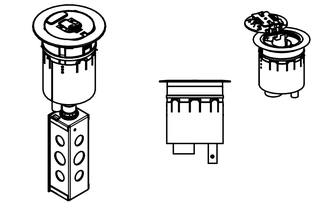


SECTION VIEW

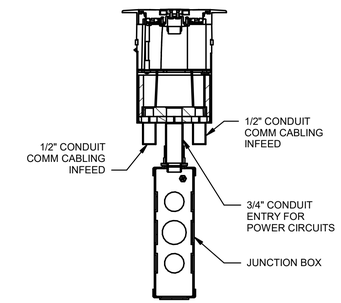


FLUSH COVER DETAIL - SURFACE STYLE

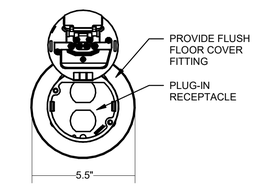
TYPE-3 BOX



ISOMETRIC VIEW



SECTION VIEW



FLUSH COVER DETAIL - SURFACE STYLE

NOTES:

1. PROVIDE A 6" FIRE-RATED FURNITURE POKE-THROUGH ASSEMBLY WITH POWER AND TELECOM SERVICE FEEDS.
2. PROVIDE BRUSHED ALUMINUM FINISH COVER.
3. PROVIDE 2HR FIRE RATING FOR POKE-THROUGH FITTING.
4. PROVIDE CONDUIT ENTRY POINT PROVISIONS:
   A. POWER: 3/4" CONDUIT WITH THREADED HUB
   B. COMM: 2" CONDUIT WITH THREADED HUB

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COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

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SUITE 500
ARLINGTON, VA 22201

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

Jacobs

DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

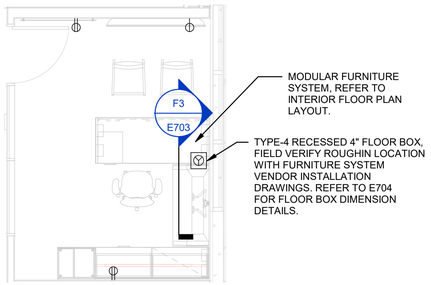
SECOND FLOOR TYPICAL FURNITURE POWER CONNECTIONS

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

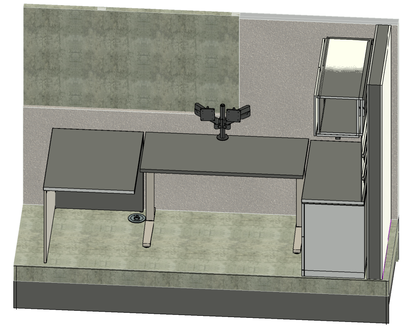
DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
DRAWING NO. DCCA - D - ADM - E702
REV.

PLOT DATE/TIME: 4/22/2022 11:38:53 AM

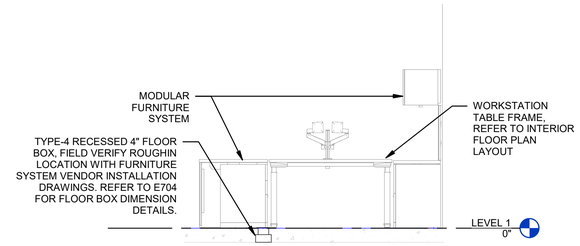


F8 / E703 ENCLOSED OFFICE 173 & 140 - PLAN VIEW

NTS



F6 / E703 ISOMETRIC VIEW ENCLOSED OFFICE



F3 / E703 ENCLOSED OFFICE - ELEVATION DETAIL-A

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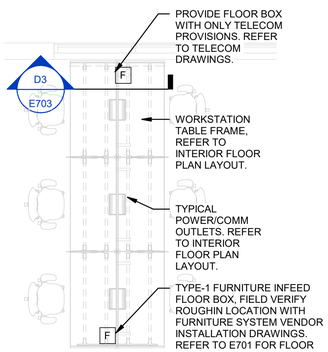

D8 / E703 FIRST FLOOR HOTEL WORKSTATIONS PLAN VIEW

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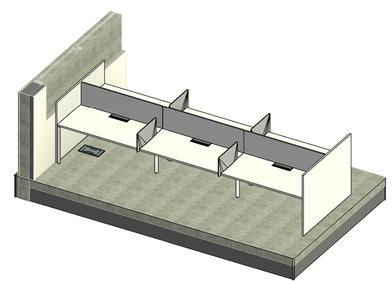
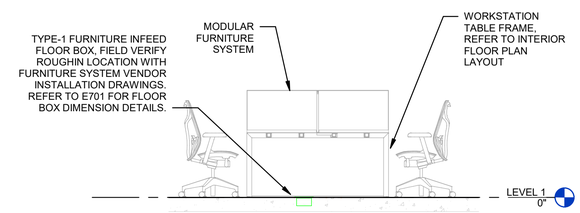


D5 / E703 ISOMETRIC VIEW HOTEL WORKSTATIONS



D3 / E703 HOTEL WORKSTATION - ELEVATION DETAIL-A

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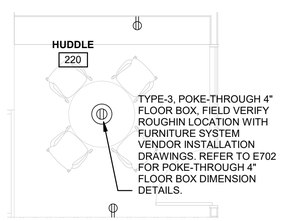
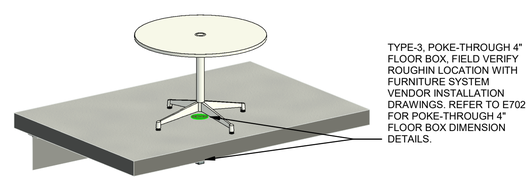


A8 / E703 SECOND FLOOR HUDDLE RM PLAN VIEW

NTS



A5 / E703 ISOMETRIC VIEW HUDDLE RM

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

TYPICAL FURNITURE POWER CONNECTIONS

WARRENTON — DCCA ADM — VA

COMMONWEALTH OF VIRGINIA
MATHIAS M. BECKER
Lic. No. 029564
3/11/22
PROFESSIONAL ENGINEER

Jacobs

DCCA ADM
WARRENTON, VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

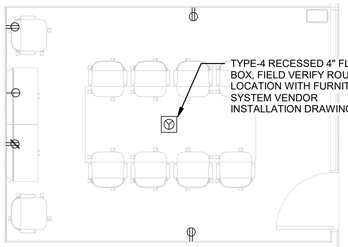
DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS

ISSUED BY: ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 — JCN: 21001763

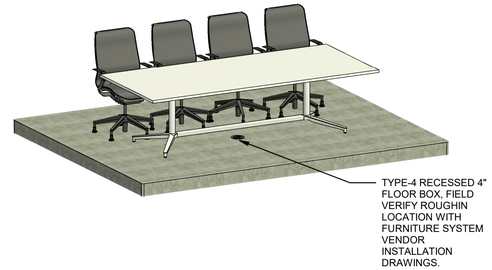
DRAWING NO. DCCA - D - ADM - E703 — REV.

PLOT DATE/TIME: 4/22/2022 10:43:35 AM

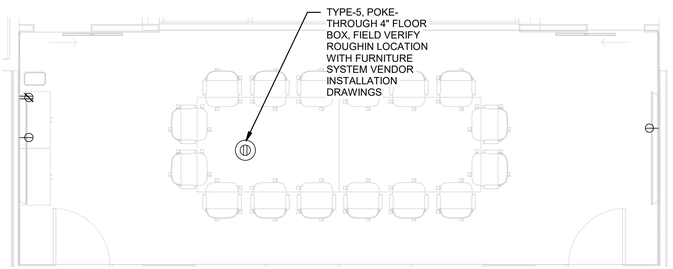


F8 / E704 TYPICAL CONFERENCE TABLE - T5

NTS



F6 / E704 ISOMETRIC VIEW CONFERENCE TABLE - T5



D3 / E704 TYPICAL CONFERENCE TABLE - T7

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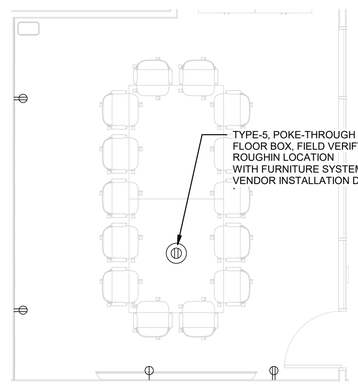
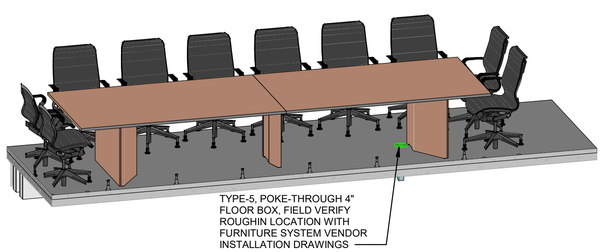
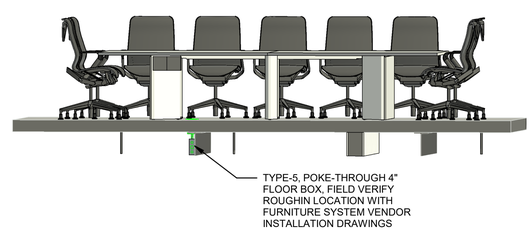


D6 / E704 TYPICAL CONFERENCE TABLE - T6

NTS

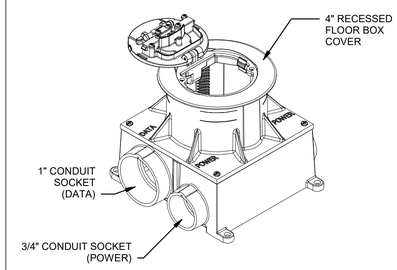


A8 / E704 ISOMETRIC VIEW CONFERENCE TABLE - T7

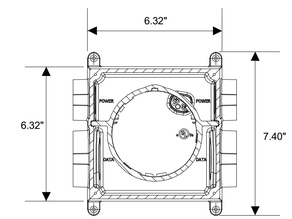


A6 / E704 ISOMETRIC VIEW CONFERENCE TABLE - T6

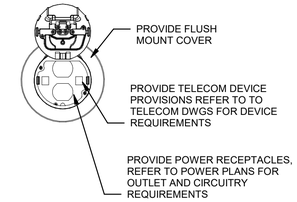
TYPE-4 BOX



ISOMETRIC VIEW

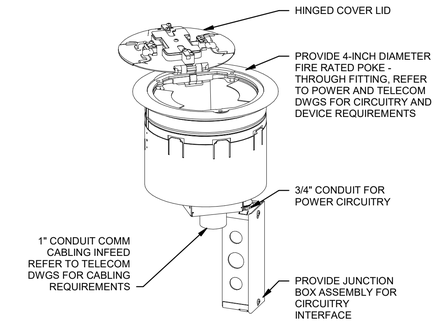


VIEW THROUGH BOX BELOW RISER

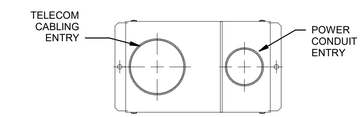


FLUSH COVER WITH OPENING DETAIL - PLAN VIEW

TYPE-5 BOX

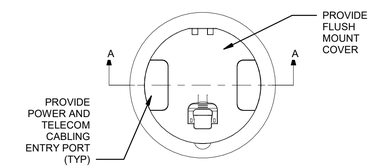


ISOMETRIC VIEW

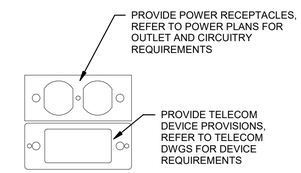


CONDUIT ENTRY BOTTOM VIEW

RECESSED FIRE RATED POKE - THROUGH FITTING ASSEMBLY DETAIL



FLUSH COVER DETAIL - PLAN VIEW:



SECTION A-A INTERIOR DEVICE PLATE DETAIL:

NOTES:

1. PROVIDE A 4" FIRE-RATED POKE-THROUGH ASSEMBLY WITH POWER AND TELECOM WIRING DEVICES.
2. PROVIDE BRUSHED ALUMINUM FINISH COVER.
3. PROVIDE 2HR FIRE RATING FOR POKE-THROUGH FITTING.
4. PROVIDE CONDUIT ENTRY POINT PROVISIONS:
   A. POWER: 3/4" CONDUIT WITH THREADED HUB
   B. COMM: 1" CONDUIT WITH THREADED HUB

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DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

TYPICAL CONFERENCE FURNITURE POWER CONNECTIONS

WARRENTON — DCCA ADM — VA

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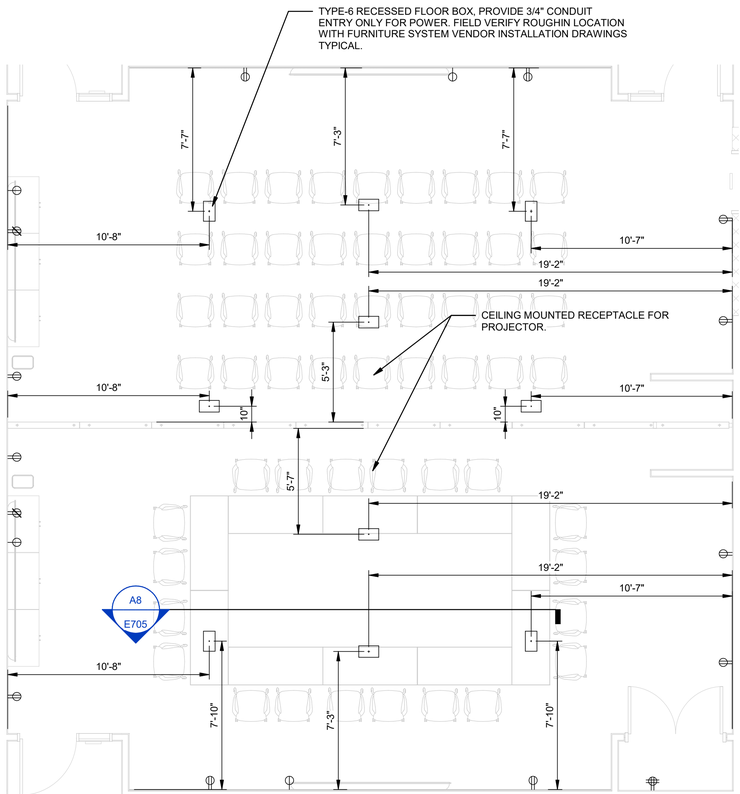
	SUBMITTER'S TITLE	APPROVER'S TITLE

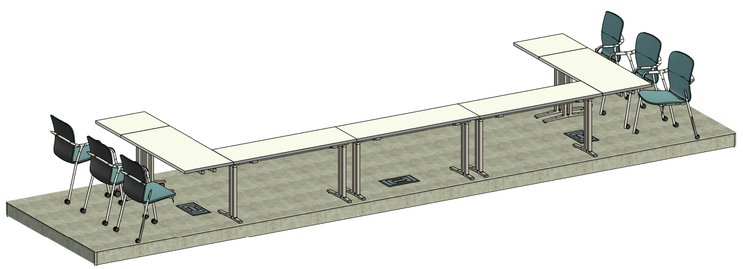
DESIGNED BY: M. BECKER
DRAWN BY: D. RUSTAMOVA
CHECKED BY: J. KOROULAKIS
ISSUED BY: ENGINEERING SERVICES TERMINAL
DATE: 03/11/2022
JCN: 21001763
DRAWING NO.: DCCA - D - ADM - E704
REV.

PLOT DATE/TIME: 4/22/2022 11:39:44 AM

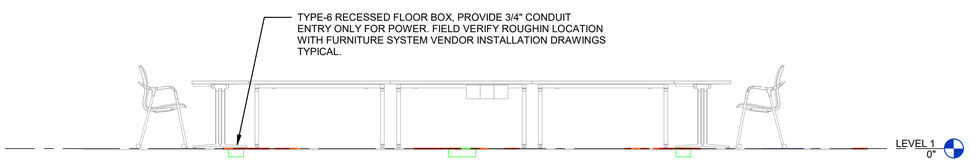


D8 / E705 TYPICAL CONFERENCE TABLE - T4

NTS



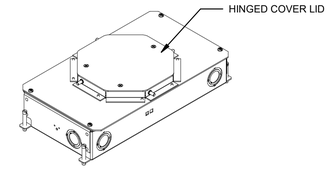
B8 / E705 CONFERENCE TABLE T4 - ISOMETRIC VIEW



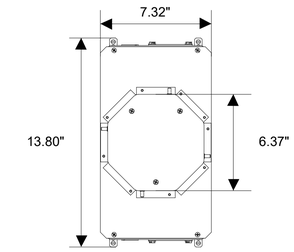
A8 / E705 CONFERENCE TABLE T4 - SECTION VIEW

NTS

TYPE-6 RECESSED FLOOR BOX



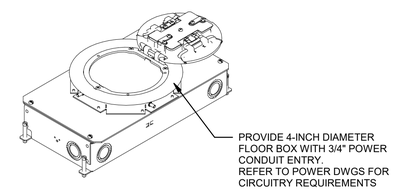
ISOMETRIC VIEW



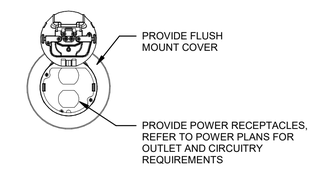
TOP VIEW

NOTES:

1. PROVIDE A UL 514A RATED GALVANIZED STEEL BOX ASSEMBLY WITH EPOXY COATED ON EXTERIOR SURFACE FOR CONCRETE INSTALLATION.
2. PROVIDE GALVANIZED STEEL TOP MOUNTING ASSEMBLY WITH ZINC COATING FINISH.
3. PROVIDE INTERIOR ASSEMBLY COMPONENTS:
   - A. COPPER GROUND BONDING CONNECTION
   - B. GALVANIZED STEEL WIRING CHANNEL WITH ZINC FINISH
   - C. GALVANIZED STEEL REMOVABLE WIRING CHANNEL DIVIDERS WITH ZINC FINISH
   - D. GALVANIZED STEEL FLUSH TEMPORARY COVER WITH ZINC FINISH
   - E. THERMOPLASTIC RAISED TEMPORARY COVER
4. PROVIDE CONDUIT ENTRY POINT PROVISIONS:
   - A. BOX ENDS: SIZES FROM 3/4" TO 2" CONDUITS
   - B. BOX SIDES: SIZES FROM 3/4" TO 1 1/2" CONDUITS
   - C. BOTTOM: SIZES FROM 1/2" TO 1 1/4" CONDUIT



ROUND COVER OPENING



FLUSH COVER WITH OPENING DETAIL - PLAN VIEW

NOTES:

1. PROVIDE BRUSHED ALUMINUM FINISH COVER.
2. PROVIDE CONDUIT ENTRY POINT PROVISIONS:
   - A. POWER: 3/4" CONDUIT WITH THREADED HUB
   - B. COMM: 2" CONDUIT WITH THREADED HUB

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WARRENTON ADMINISTRATIVE BUILDING

TYPICAL CONFERENCE FURNITURE POWER CONNECTIONS

WARRENTON — DCCA ADM — VA

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DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS

ISSUED BY ENGINEERING SERVICES TERMINAL

DATE 03/11/2022 JCN: 21001763

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WARRENTON, VA

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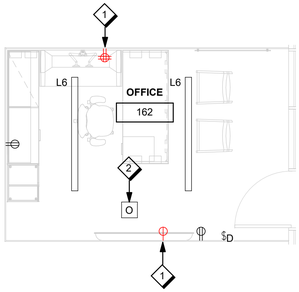
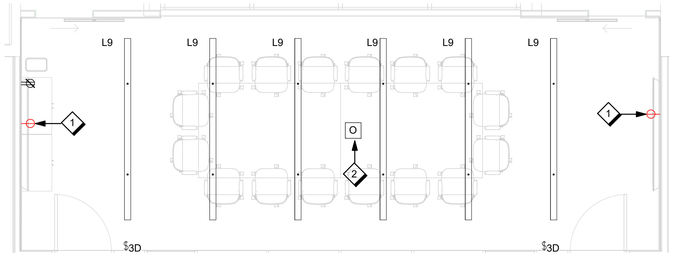
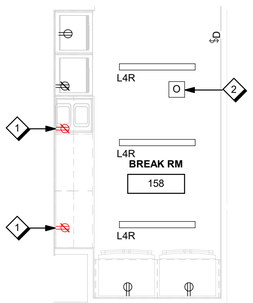


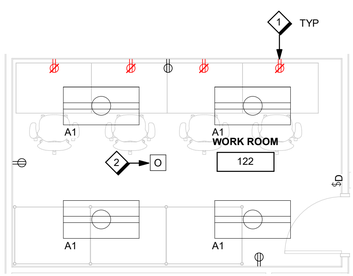
G8 TYP. ENCLOSED OFFICE PLUG LOAD
E706 NTS



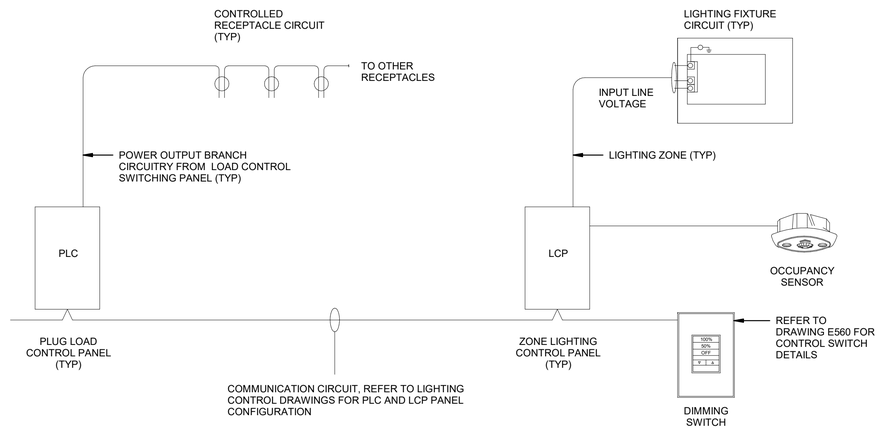
G6 TYP. CONFERENCE ROOM - PLUG LOAD
E706 NTS



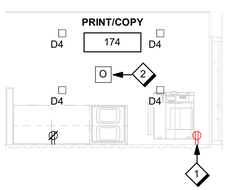
E8 TYP. BREAK ROOM PLUG LOAD
E706 NTS



C8 WORK ROOM 122 PLUG LOAD
E706 NTS



C6 LIGHTING AND PLUG LOAD CONTROL CONNECTION DIAGRAM
E706 NTS



A8 TYP. PRINT/COPY PLUG LOAD
E706 NTS

GENERAL SHEET NOTES

A. PROVIDE CONTROLLED RECEPTACLES AND BRANCH CIRCUITS FOR AUTOMATIC PLUG LOAD CONTROL. INTEGRATE THE CONTROLLED RECEPTACLE CIRCUITS INTO THE LIGHTING CONTROL SYSTEM. REFER TO LIGHTING CONTROL DIAGRAMS FOR PLUG LOAD SWITCHING CONTROL PANELS AND SYSTEM CONFIGURATION.

B. INTEGRATE THE PLUG LOAD CONTROL PANELS INTO THE LIGHTING CONTROL TIME-BASED SYSTEM FOR PROGRAMMED ON/OFF SCHEDULING FUNCTIONS. PROVIDE MANUAL OVERRIDE FUNCTION TO ALLOW THE OCCUPANT TO MANUALLY OVERRIDE SYSTEM CONTROL AND ENERGIZE THE RECEPTACLE CIRCUIT FOR UP TO TWO HOUR PERIOD. COORDINATE SYSTEM TIME-BASED PROGRAMMING SCHEDULES WITH THE COR.

C. PROVIDE RECEPTACLES WITH PERMANENTLY MARKED IDENTIFICATION LABELS FOR CONTROLLED RECEPTACLES TO VISUALLY DIFFERENTIATE THEM FROM UNCONTROLLED RECEPTACLES.

SHEET NOTES

1 PROVIDE PLUG LOAD CONTROLLED RECEPTACLES, REFER TO DETAIL E8/E707.

2 LIGHTING CONTROL SYSTEM CEILING MOUNTED SENSOR, REFER TO LIGHTING AND PLUG LOAD CONTROL CONNECTION DIAGRAM DETAIL C6/E706 FOR TYPICAL SPACE CONNECTIONS. REFER TO ELECTRICAL LIGHTING CONTROLS DIAGRAM DRAWINGS FOR OVERALL SYSTEM CONFIGURATION.

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Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

TYPICAL PLUG LOAD POWER CONNECTIONS

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE
DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
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DCCA ADM
WARRENTON, VA

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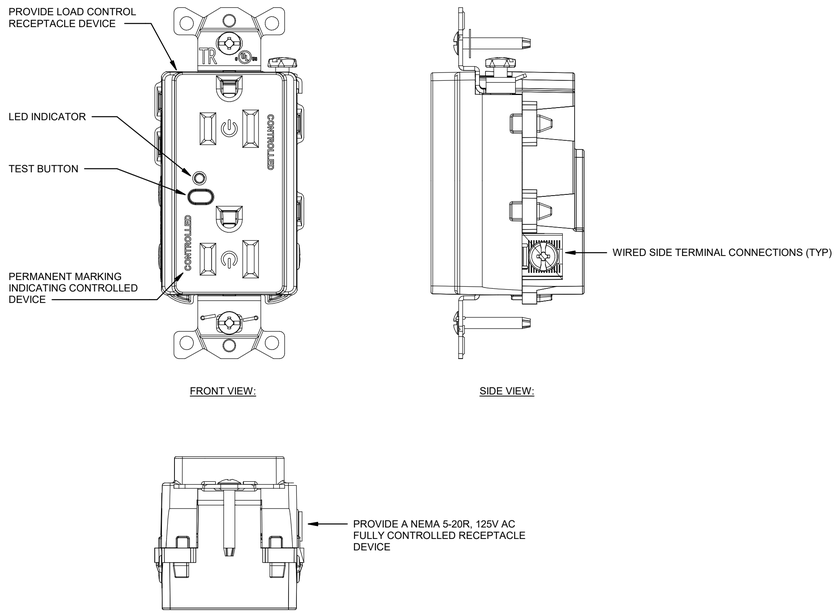
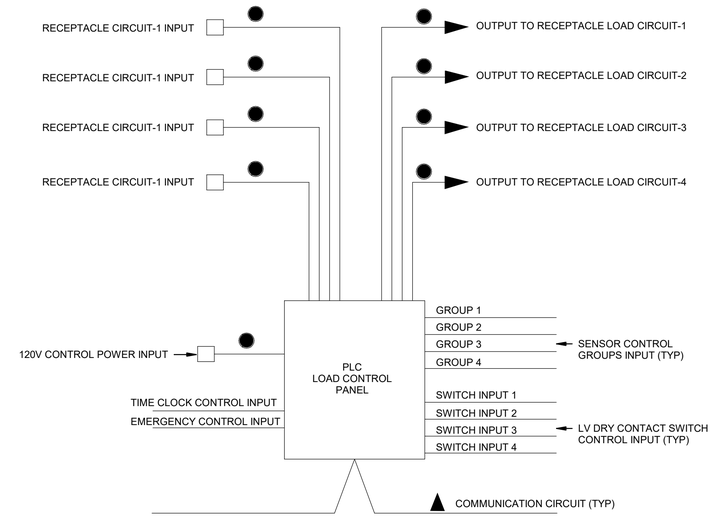


E8 TYPICAL PLUG LOAD CONTROL RECEPTACLE DETAIL

E707 NTS



DETAIL NOTES:

- ● PROVIDE #12AWG MIN. BRANCH CIRCUIT POWER CONDUCTORS.
- □ PROVIDE 120 V AC CONTROL POWER CIRCUIT, REFER TO LIGHTING CONTROL DIAGRAMS FOR CIRCUITRY INFORMATION.
- ▲ PROVIDE 4-CONDUCTOR CONTROL LOOP CABLE PER CONTROL PANEL MANUFACTURER'S RECOMMENDATIONS.

E4 TYPICAL PLUG LOAD CONTROL PANEL CONNECTION DIAGRAM

E707 NTS

GENERAL SHEET NOTES

A. REFER TO ELECTRICAL LIGHTING CONTROLS DIAGRAM DRAWINGS FOR CONFIGURATION OF PLUG LOAD CONTROL PANELS.

B. PROVIDE CONTROLLED RECEPTACLES AND BRANCH CIRCUITS FOR AUTOMATIC PLUG LOAD CONTROL. INTEGRATE THE CONTROLLED RECEPTACLE CIRCUITS INTO THE LIGHTING CONTROL SYSTEM. REFER TO LIGHTING CONTROL DIAGRAMS FOR PLUG LOAD SWITCHING CONTROL PANELS AND SYSTEM CONFIGURATION.

C. INTEGRATE THE PLUG LOAD CONTROL PANELS INTO THE LIGHTING CONTROL TIME-BASED SYSTEM FOR PROGRAMMED ON/OFF SCHEDULING FUNCTIONS. PROVIDE MANUAL OVERRIDE FUNCTION TO ALLOW THE OCCUPANT TO MANUALLY OVERRIDE SYSTEM CONTROL AND ENERGIZE THE RECEPTACLE CIRCUIT FOR UP TO TWO HOUR PERIOD. COORDINATE SYSTEM TIME-BASED PROGRAMMING SCHEDULES WITH THE COR.

D. PROVIDE RECEPTACLES WITH PERMANENTLY MARKED IDENTIFICATION LABELS FOR CONTROLLED RECEPTACLES TO VISUALLY DIFFERENTIATE THEM FROM UNCONTROLLED RECEPTACLES.

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

TYPICAL PLUG LOAD POWER CONNECTIONS

WARRENTON — DCCA ADM — VA

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ISSUED BY: ENGINEERING SERVICES TERMINAL

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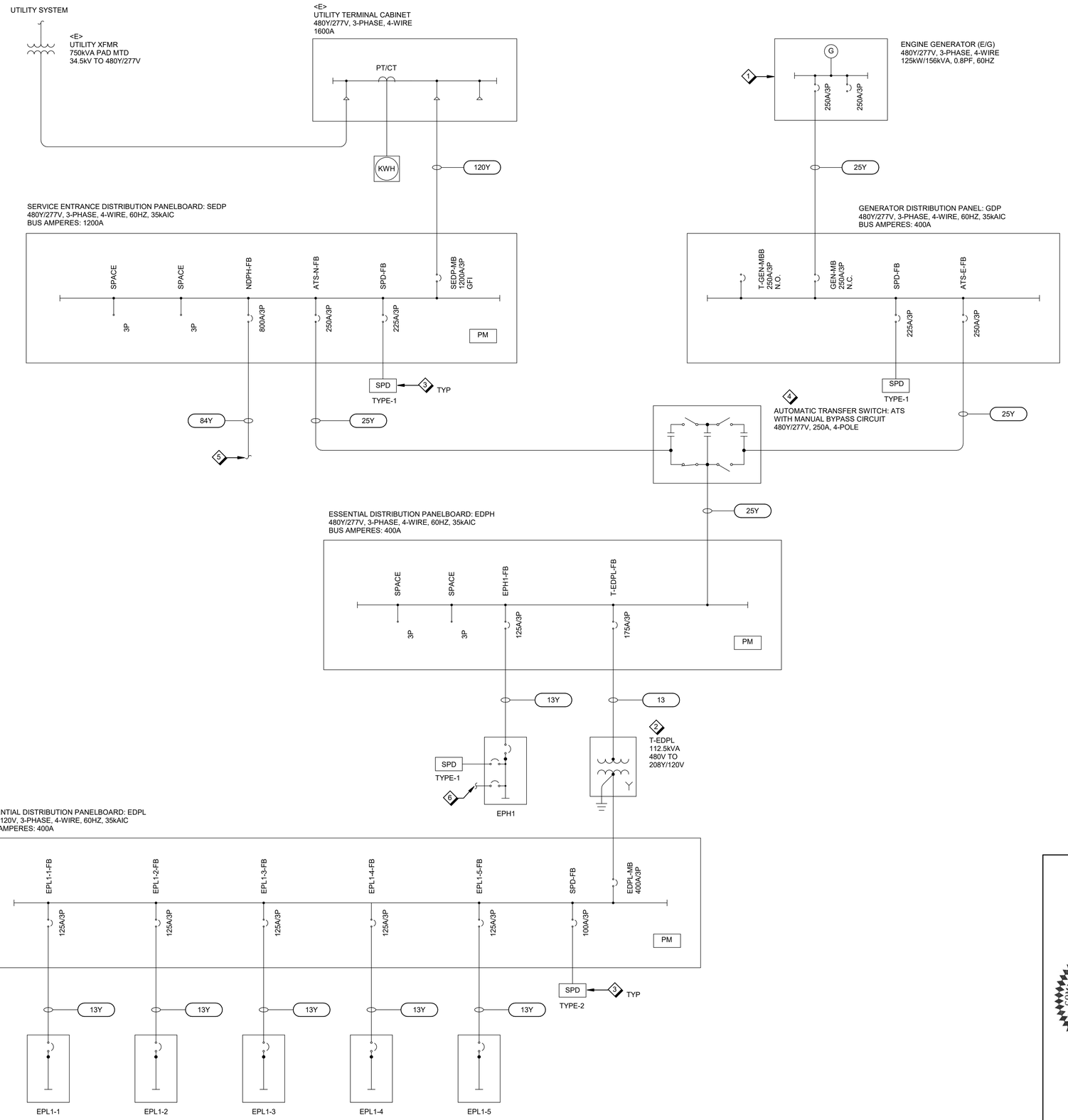

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. COORDINATE WITH OTHER DEMOLITION WORK SHOWN ON ARCHITECTURAL AND MECHANICAL DRAWINGS.

SHEET NOTES ◇

1. PROVIDE PACKAGED NATURAL GAS FIRED ENGINE GENERATOR SET WITH OUTDOOR RATED ENCLOSURE.
2. REFER TO DRY-TYPE TRANSFORMER SCHEDULE FOR EQUIPMENT RATINGS AND PRIMARY AND SECONDARY CONNECTION REQUIREMENTS.
3. PROVIDE NEW SURGE PROTECTIVE DEVICE FOR INDICATED PANELBOARD. REFER TO E8/E604 FOR SPD WIRING DETAIL.
4. PROVIDE AUTOMATIC TRANSFER SWITCH, 4-POLE, WITH OPEN TRANSITION OPERATION AND MAINTENANCE BY-PASS.
5. REFER TO DRAWING E801 FOR CONTINUATION.
6. REFER TO DETAIL F3/E605 FOR CONTINUATION.

TRANSFORMER SCHEDULE 1

TYPE	PRIMARY VOLTAGE	PRIMARY WIRE AND CONDUIT	SECONDARY VOLTAGE	SECONDARY WIRE AND CONDUIT
112.5 kVA	480 V	3 - #2/0 + #6G IN 2" C	208 V	3 - 500KCMIL + 500KCMIL N + #1/0G + #1/0 GEC IN 4" C

TRANSFORMER SCHEDULE NOTES:

1. CONDUCTOR SIZES ARE BASED ON 60˚C RATED COPPER CONDUCTORS WITH 60˚C RATED TERMINATIONS FOR FEEDERS RATED 100A AND LESS. OTHER FEEDER CONDUCTOR SIZES ARE BASED ON 75˚C RATED COPPER CONDUCTORS WITH 75˚C RATED TERMINATIONS.
2. CONDUIT SIZES ARE MINIMUM SIZES FOR THHN/THWN IN FMC.
3. PROVIDE WITH STANDARD NEMA TAPS FOR PRIMARY & SECONDARY CONNECTIONS.
4. TRANSFORMERS ARE DOE 2016 COMPLIANT.
5. TRANSFORMERS LISTED ARE VENTILATED DRY-TYPE LISTED FOR INDOOR USE.
6. TRANSFORMERS ARE 480V PRIMARY, 208Y/120V 3-PHASE, 4-WIRE SECONDARY, 60Hz.
7. "GEC" DENOTES GROUNDING ELECTRODE CONDUCTOR.
8. WHERE MULTIPLE SETS OF CONDUCTORS ARE IDENTIFIED, PROVIDE ONE OF EACH PHASE, NEUTRAL, AND GROUNDING CONDUCTOR IN EACH CONDUIT UNLESS NOTED OTHERWISE.

FEEDER SCHEDULE 1

FEEDER TAG	MAXIMUM CURRENT	SETS	WIRE AND CONDUIT
3	30 A	1	3 - #10 + #10G IN 3/4"C
13	130 A	1	3 - #1 + #6G IN 1 1/2"C
17	170 A	1	3 - #2/0 + #6G IN 2"C
13Y	130 A	1	3 - #1 + #1N + #6G IN 1 1/2"C
25Y	250 A	1	3 - #250 KCMIL + #250 KCMIL N + #4G IN 2 1/2"C
42Y	420 A	1	3 - #600 KCMIL + #600 KCMIL N + #1G IN 4"C
84Y	840 A	2	3 - #600 KCMIL + #600 KCMIL N + #1/0G IN 4"C
120Y	1200 A	3	3 - #600 KCMIL + #600 KCMIL N + #3/0G IN 4"C

AUTOMATIC TRANSFER SWITCH SCHEDULE

TRANSFER SWITCH IDENTIFICATION TAG NUMBER	LOAD DESCRIPTION	ELECTRICAL CHARACTERISTICS: VOLTAGE	POLES	TRANSFER SWITCH AMPERE RATING	SHORT CIRCUIT WITHSTAND AND CLOSING RATING (WCR) AMPERES	CYCLES (WCR)	TRANSFER PRIORITY	SCHEDULE NOTES
ATS	EDPH	480V-3PH-4W	3	250	65000	3-CYCLE	1	1, 2, 3, 4

SCHEDULE NOTES:

1. PROVIDE ENGINE EXCISER, START-UP, AND SHUTDOWN CONTACTS.
2. PROVIDE SIESMIC MOUNTING ATTACHMENTS IN ACCORDANCE WITH THE EQUIPMENT VENDOR'S SEISMIC CERTIFICATION LISTING.
3. BASIS OF DESIGN: KOHLER KBP, PROGRAMMED TRANSITION SERIES WITH BYPASS ISOLATION CIRCUIT AND DECISION-MAKER MPAC1500 SERIES CONTROLLER.
4. CONFIGURE ATS TO TRANSFER FROM NORMAL TO EMERGENCY WITH 5-SECOND DELAY UPON SENSING LOSS OF UTILITY POWER SOURCE. PROVIDE AUTOMATIC RE-TRANSFER WITH 15-MINUTE TO NORMAL POWER SOURCE UPON UTILITY POWER RESTORATION.

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WARRENTON ADMINISTRATIVE BUILDING

POWER ONE-LINE DIAGRAM - MAIN DISTRIBUTION

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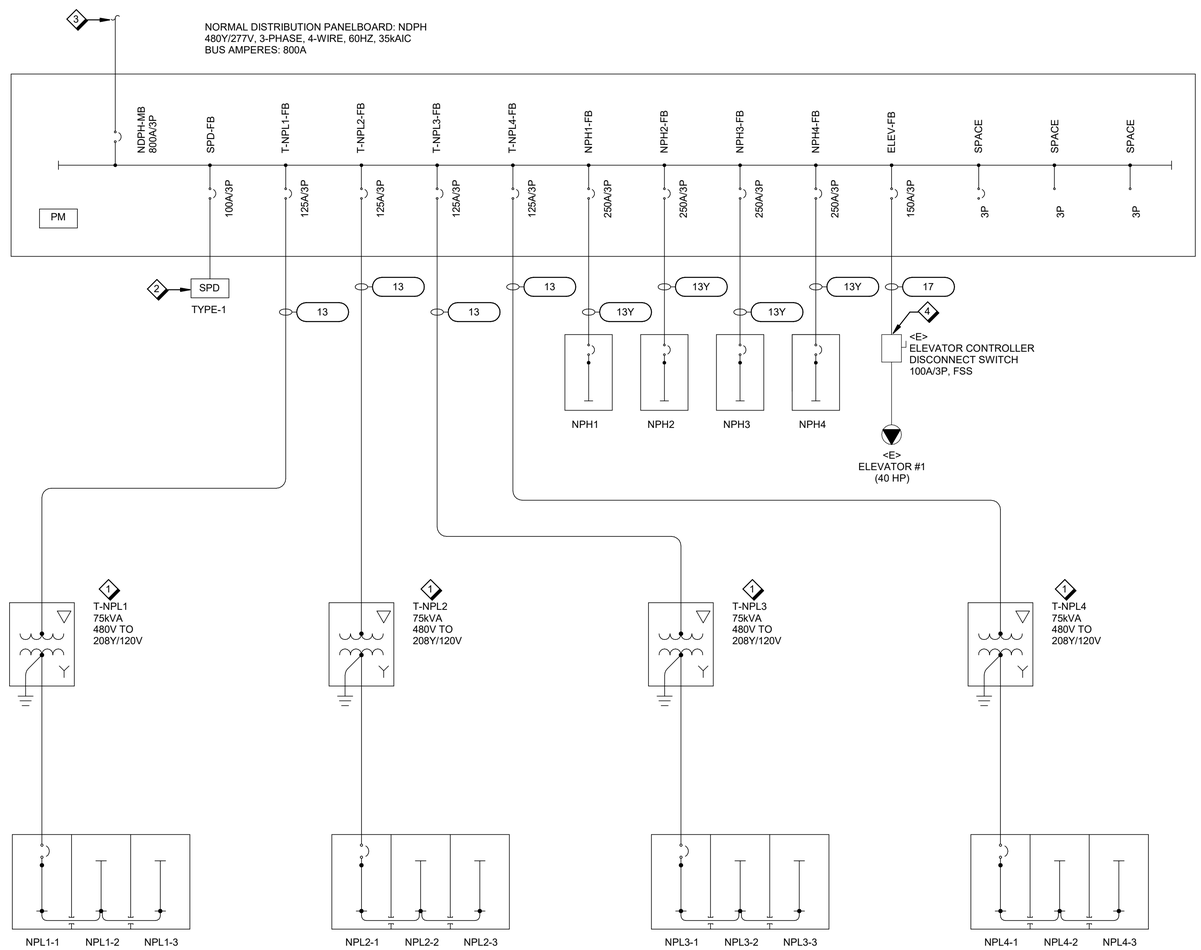

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

B. COORDINATE WITH OTHER DEMOLITION WORK SHOWN ON ARCHITECTURAL AND MECHANICAL DRAWINGS.

SHEET NOTES

1. REFER TO DRY-TYPE TRANSFORMER SCHEDULE FOR EQUIPMENT RATINGS AND PRIMARY AND SECONDARY CONNECTION REQUIREMENTS.
2. PROVIDE NEW SURGE PROTECTIVE DEVICE FOR INDICATED PANELBOARD. REFER TO DETAIL E8/E604 FOR SPD WIRING.
3. REFER TO DRAWING E800 FOR CONTINUATION.
4. RECONNECT ELEVATOR TO NEW PANELBOARD.

FEEDER SCHEDULE 2

FEEDER TAG	MAXIMUM CURRENT	SETS	WIRE AND CONDUIT
13	130 A	1	3 - #1 + #6G IN 1 1/2"C
17	170 A	1	3 - #2/0 + #6G IN 2"C
13Y	130 A	1	3 - #1 + #1N + #6G IN 1 1/2"C

SURGE PROTECTIVE DEVICE (SPD) SCHEDULE

NO.	EQUIPMENT ID DESIGNATION	MANUFACTURER	MODEL SERIES	SYSTEM VOLTAGE CONFIGURATION	MODEL NO.	ENCLOSURE TYPE	UPSTREAM CIRCUIT BREAKER DEVICE RATING	CIRCUIT CONNECTION CONDUCTOR SIZE	REMARKS
1	SPD-1	RAYCAP	STRIKESORB-80-E	480Y/277V - 4W	480-3Y-N1-4-03-E-H	N (19.75"H x 14.75"W x 8.5"D)	225A	#4/0 AWG THWN	
2	SPD-2	RAYCAP	STRIKESORB-40-B	208Y/120V -4W	120-3Y-N3-4-03-A-H	M (12"H x 12"W x 8.5"D)	50A	#6 AWG THWN	

TRANSFORMER SCHEDULE 2

TYPE	PRIMARY VOLTAGE	PRIMARY WIRE AND CONDUIT	SECONDARY VOLTAGE	SECONDARY WIRE AND CONDUIT
75 kVA	480 V	3 - #1 + #6G IN 1 1/2" C	208 V	3 - 250KCMIL + 250KCMIL N + #2G + #2 GEC IN 2 1/2" C

TRANSFORMER SCHEDULE NOTES:

1. CONDUCTOR SIZES ARE BASED ON 60˚C RATED COPPER CONDUCTORS WITH 60˚C RATED TERMINATIONS FOR FEEDERS RATED 100A AND LESS. OTHER FEEDER CONDUCTOR SIZES ARE BASED ON 75˚C RATED COPPER CONDUCTORS WITH 75˚C RATED TERMINATIONS.
2. CONDUIT SIZES ARE MINIMUM SIZES FOR THHN/THWN IN FMC.
3. PROVIDE WITH STANDARD NEMA TAPS FOR PRIMARY & SECONDARY CONNECTIONS.
4. TRANSFORMERS ARE DOE 2016 COMPLIANT.
5. TRANSFORMERS LISTED ARE VENTILATED DRY-TYPE LISTED FOR INDOOR USE.
6. TRANSFORMERS ARE 480V PRIMARY, 208Y/120V 3-PHASE, 4-WIRE SECONDARY, 60Hz.
7. "GEC" DENOTES GROUNDING ELECTRODE CONDUCTOR.
8. WHERE MULTIPLE SETS OF CONDUCTORS ARE IDENTIFIED, PROVIDE ONE OF EACH PHASE, NEUTRAL, AND GROUNDING CONDUCTOR IN EACH CONDUIT UNLESS NOTED OTHERWISE.

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COMMONWEALTH OF VIRGINIA
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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

POWER ONE-LINE DIAGRAM - NORMAL POWER BUS

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY M. BECKER
DRAWN BY J. FRIEDBERG
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
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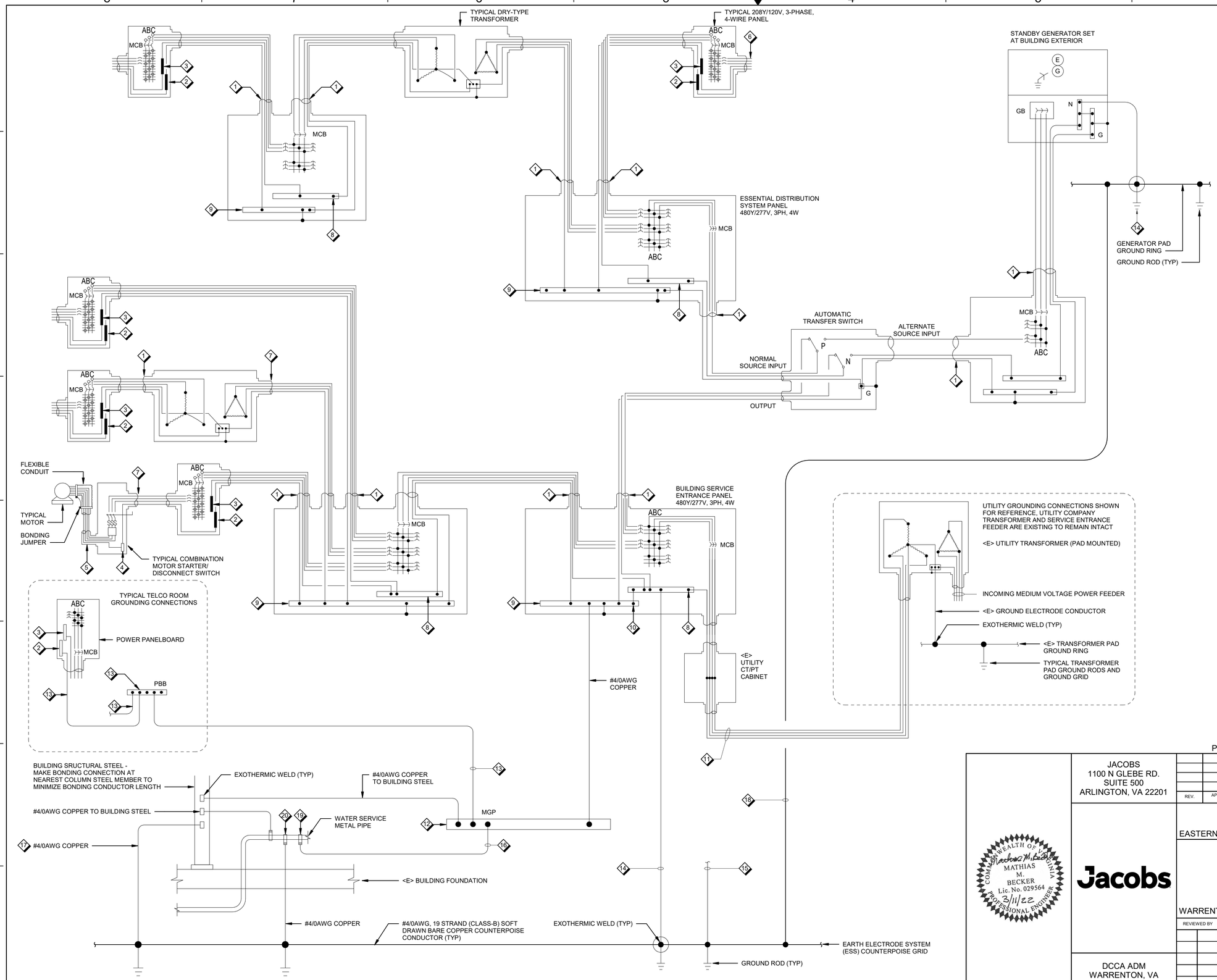

GENERAL SHEET NOTES

A. REFER TO POWER ONE-LINE DRAWINGS FOR POWER DISTRIBUTION SYSTEM CONFIGURATION.

B. REFER TO GROUNDING AND LIGHTNING PROTECTION SYSTEM PLANS FOR CONFIGURATION OF SITE GROUNDING SYSTEMS.

SHEET NOTES

1. FEEDER CONSISTING OF PHASE, NEUTRAL, AND EQUIPMENT GROUNDING CONDUCTORS IN CONDUIT WITH GROUNDING BUSHING.
2. EQUIPMENT GROUNDING BUS BONDED TO PANEL ENCLOSURE.
3. NEUTRAL BUS ISOLATED FROM PANEL ENCLOSURE.
4. EQUIPMENT GROUNDING PAD BONDED TO ENCLOSURE.
5. MOTOR 3PH BRANCH CIRCUIT CONSISTING OF PHASE AND EQUIPMENT GROUNDING CONDUCTORS IN CONDUIT WITH GROUNDING BUSHING.
6. BRANCH CIRCUIT CONSISTING OF PHASE, NEUTRAL AND EQUIPMENT GROUNDING CONDUCTORS IN CONDUIT WITH GROUNDING BUSHING.
7. CONDUIT CONTAINING PHASE AND EQUIPMENT GROUNDING CONDUCTORS WITH GROUNDING BUSHING.
8. NEUTRAL BUS ISOLATED FROM SWITCHBOARD ENCLOSURE.
9. GROUNDING BUS BONDED TO SWITCHBOARD ENCLOSURE.
10. BONDING JUMPER BETWEEN NEUTRAL BUS AND EQUIPMENT GROUNDING BUS.
11. SERVICE ENTRANCE CONSISTING OF PHASE AND NEUTRAL CONDUCTORS IN CONDUIT.
12. MAIN GROUND PLATE, SEE FLOOR PLANS FOR LOCATION.
13. REFER TO TELECOM SYSTEM FOR ADDITIONAL CABLE TRAY GROUNDING AND BONDING.
14. PROVIDE #4/0 AWG GROUND ELECTRODE CONDUCTOR AND CONNECT TO GROUND ROD IN GROUND ROD ACCESS INSPECTION WELL.
15. LIGHTNING PROTECTION SYSTEM DOWN CONDUCTOR, REFER TO LIGHTNING PROTECTION SYSTEM PLANS FOR QUANTITY AND LOCATION. CONNECT DOWN CONDUCTOR TO A GROUND ROD INTERCONNECTED TO THE ESS COUNTERPOISE GRID.
16. PROVIDE #4/0 AWG COPPER CONNECTION TO BUILDING WATER SERVICE AND FIRE PROTECTION PIPELINE ENTRANCE. MAKE CONNECTION WITHIN 48" OF THE POINT WHERE THE PIPE ENTERS THE BUILDING. PROVIDE BONDING JUMPER ACROSS WATER METER IF GROUND CONNECTION IS MADE AFTER WATER METER.
17. PROVIDE BONDING CONNECTION TO BUILDING STEEL AT REGULAR INTERVALS (+/- 60'-0") AROUND BUILDING PERIMETER.
18. PROVIDE TWO CONNECTIONS, SPACED AS FAR APART AS PRACTABLE, BETWEEN GENERATOR SET GROUND LOOP AND BUILDING EES GROUND LOOP. PROVIDE #4/0AWG COPPER CONDUCTORS.
19. PROVIDE MECHANICAL CONNECTION, LOCATE TO GROUND BOND BUILDING INTERIOR METAL PIPING SYSTEM.
20. PROVIDE GROUND BONDING CONNECTIONS TO INCOMING WATER SERVICE LINE AND FIRE PROTECTION SYSTEM MAIN PIPING.

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

GROUNDING SYSTEM DIAGRAM

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY M. BECKER
DRAWN BY D. RUSTAMOVA
CHECKED BY J. KOROULAKIS
ISSUED BY ENGINEERING SERVICES TERMINAL
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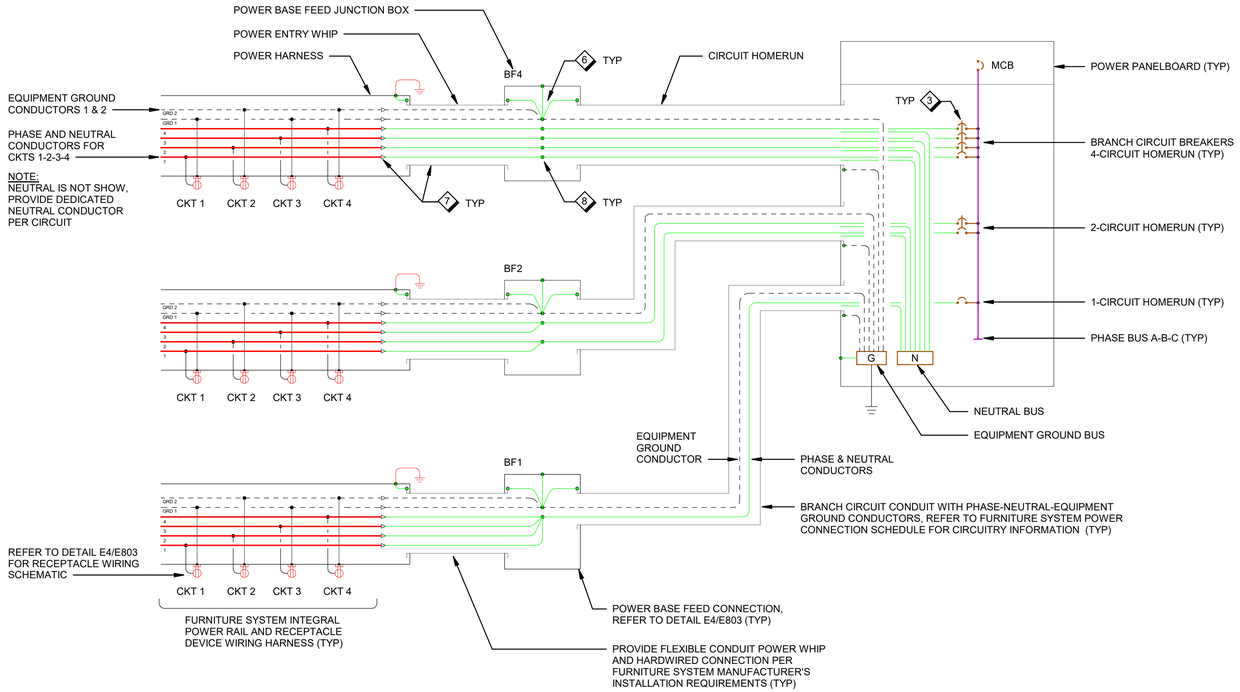


E8 / E803 FURNITURE SYSTEMS - TYPICAL POWER CONNECTION DIAGRAM

NTS

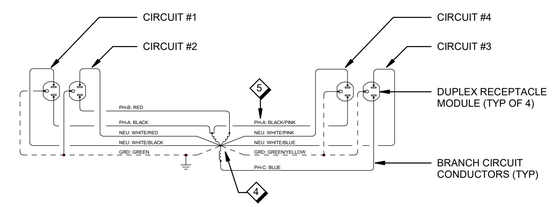
GENERAL SHEET NOTES

A. REFER TO ARCHITECTURAL DRAWINGS FOR MODULAR FURNITURE SYSTEM LAYOUT AND CONFIGURATION REQUIREMENTS.

B. REFER TO POWER PLANS AND FURNITURE SYSTEM POWER CONNECTION SCHEDULE FOR CIRCUITRY INFORMATION.

SHEET NOTES ◇

1. MODULAR FURNITURE SYSTEM ELECTRIFIED COMPONENT SHOWN FOR REFERENCE, REFER TO ARCHITECTURE FOR FURNITURE SYSTEM COMPONENT ASSEMBLIES.
2. TYPICAL POWER BASE FEED LOCATION, REFER TO POWER PLANS AND FURNITURE SYSTEM CONNECTION SCHEDULE FOR CIRCUITRY INFORMATION.
3. PROVIDE CIRCUIT BREAKER COMMON TRIP HANDLE TIE DEVICE FOR BASE FEEDS WITH MULTIPLE CIRCUIT HOMERUNS (TYP). PROVIDE LOCKOUT/TAGOUT PROVISION ON HANDLE TIE DEVICE FOR BASE FEED POWER DISCONNECTING MEANS.
4. BASE FEED HARDWIRED POWER CONNECTION TO BUILDING POWER DISTRIBUTION SYSTEM WITH 208Y/120V, 3-PHASE VOLTAGE CONFIGURATION.
5. CIRCUIT #4 CONNECTION TO POWER PHASE VARIES - ADJUST TO BALANCE LOAD BETWEEN PHASES, MARK CONDUCTORS PER PHASE COLOR CODING STANDARD WITH PINK STRIPE MARKING TO DESIGNATE FURNITURE SYSTEM CIRCUIT #4.
6. PROVIDE GROUNDING CONNECTIONS BETWEEN JUNCTION BOX BONDING, CONDUIT BONDING BUSHINGS, AND BRANCH CIRCUIT EQUIPMENT GROUNDING CONDUCTORS.
7. FURNITURE SYSTEM POWER ENTRY HARNESS AND FLEXIBLE CONDUIT WHIP PROVIDED WITH FURNITURE SYSTEM. PROVIDE FINAL HARDWIRED TERMINATION AT BASE FEED JUNCTION BOX.
8. PROVIDE HARDWIRED CONNECTIONS BETWEEN FURNITURE SYSTEM POWER ENTRY HARNESS AND POWER CIRCUIT HOMERUN PHASE AND NEUTRAL CONDUCTORS.



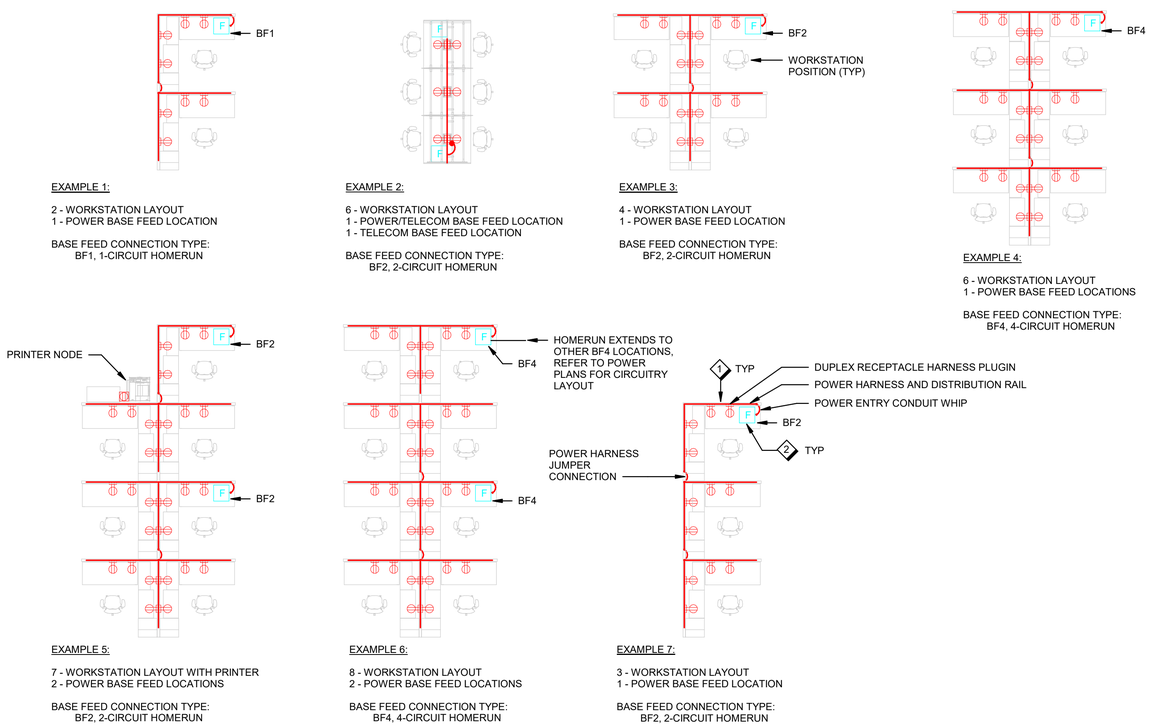
MODULAR FURNITURE SYSTEM - POWER WIRING DIAGRAM:

2+2 10 WIRE CONFIGURATION, 208Y/120V 3-PHASE, 4 - 20A, 1-PHASE BRANCH CIRCUITS

4 - PHASE CONDUCTORS
4 - NEUTRAL CONDUCTORS
2 - EQUIPMENT GROUND CONDUCTORS

E4 / E803 TYPICAL BASE FEED WIRING SCHEMATIC

NTS



EXAMPLE 1:

2 - WORKSTATION LAYOUT
1 - POWER BASE FEED LOCATION

BASE FEED CONNECTION TYPE:
BF1, 1-CIRCUIT HOMERUN

EXAMPLE 2:

6 - WORKSTATION LAYOUT
1 - POWER/TELECOM BASE FEED LOCATION
1 - TELECOM BASE FEED LOCATION

BASE FEED CONNECTION TYPE:
BF2, 2-CIRCUIT HOMERUN

EXAMPLE 3:

4 - WORKSTATION LAYOUT
1 - POWER BASE FEED LOCATION

BASE FEED CONNECTION TYPE:
BF2, 2-CIRCUIT HOMERUN

EXAMPLE 4:

6 - WORKSTATION LAYOUT
1 - POWER BASE FEED LOCATIONS

BASE FEED CONNECTION TYPE:
BF4, 4-CIRCUIT HOMERUN

EXAMPLE 5:

7 - WORKSTATION LAYOUT WITH PRINTER
2 - POWER BASE FEED LOCATIONS

BASE FEED CONNECTION TYPE:
BF2, 2-CIRCUIT HOMERUN

EXAMPLE 6:

8 - WORKSTATION LAYOUT
2 - POWER BASE FEED LOCATIONS

BASE FEED CONNECTION TYPE:
BF4, 4-CIRCUIT HOMERUN

EXAMPLE 7:

3 - WORKSTATION LAYOUT
1 - POWER BASE FEED LOCATION

BASE FEED CONNECTION TYPE:
BF2, 2-CIRCUIT HOMERUN

A8 / E803 MODULAR FURNITURE SYSTEMS - TYPICAL POWER BASE FEED CONFIGURATIONS

NTS

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WARRENTON ADMINISTRATIVE BUILDING

MODULAR FURNITURE SYSTEMS - POWER CONNECTION DIAGRAMS

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

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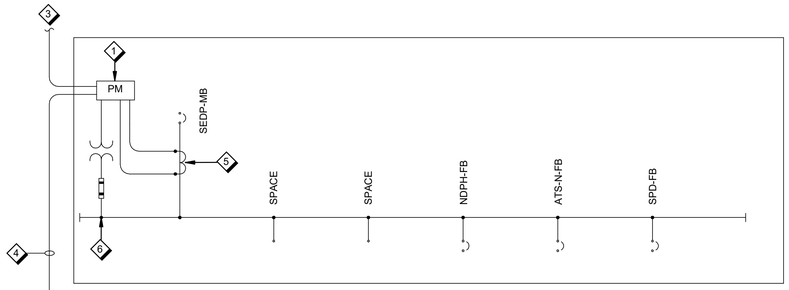
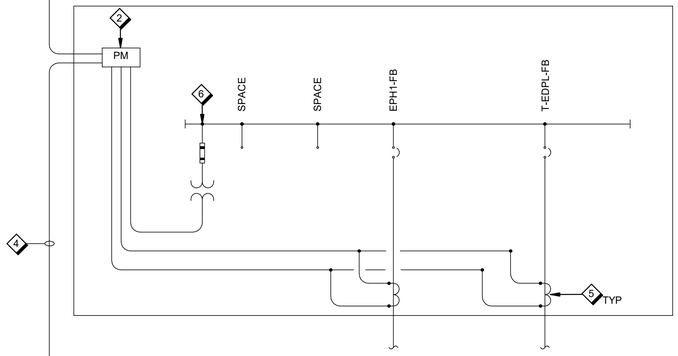
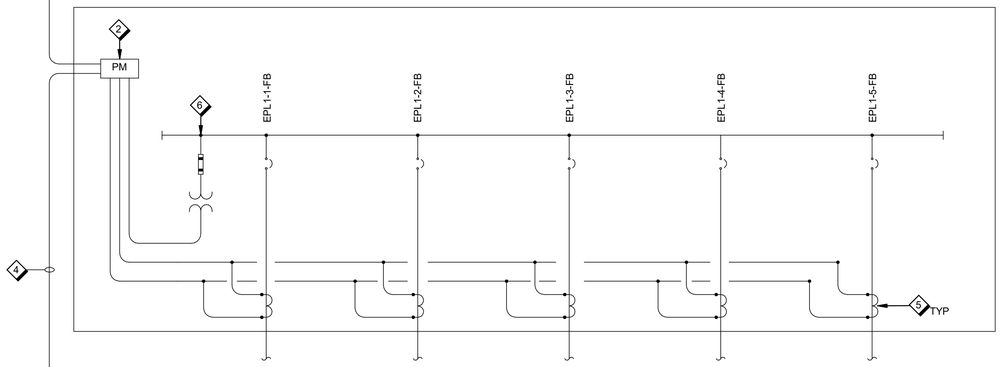


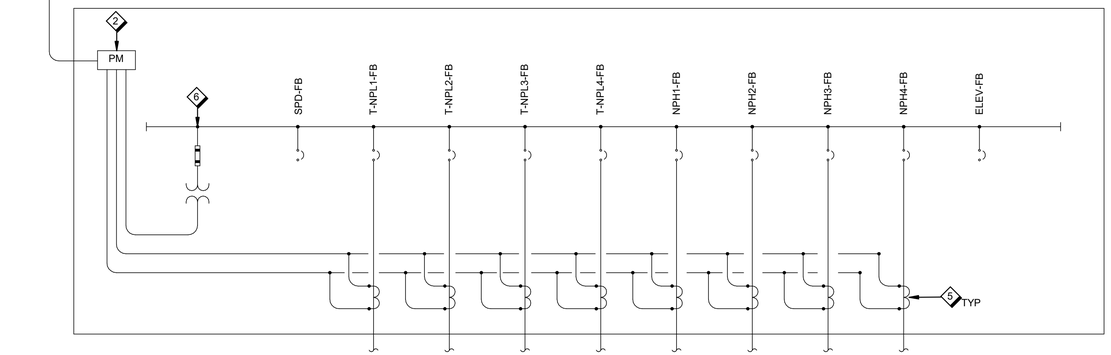
SERVICE ENTRANCE DISTRIBUTION PANELBOARD: SEDP
480Y/277V, 3-PHASE, 4-WIRE, 60HZ, 35kAIC
BUS AMPERES: 1200A



ESSENTIAL DISTRIBUTION PANELBOARD: EDPH
480Y/277V, 3-PHASE, 4-WIRE, 60HZ, 35kAIC
BUS AMPERES: 800A



ESSENTIAL DISTRIBUTION PANELBOARD: EDPL
208Y/120V, 3-PHASE, 4-WIRE, 60HZ, 35kAIC
BUS AMPERES: 400A



NORMAL DISTRIBUTION PANELBOARD: NDPH
480Y/277V, 3-PHASE, 4-WIRE, 60HZ, 35kAIC
BUS AMPERES: 800A

GENERAL SHEET NOTES

A. REFER TO DRAWINGS E-001 AND E-002 FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.

SHEET NOTES

1. PROVIDE DIGITAL MULTIFUNCTION POWER METER FOR ELECTRICITY ENERGY MONITORING. PROVIDE COMMUNICATION NETWORK INTERFACE AND INTEGRATE CONNECTED SUB-METERING EQUIPMENT.
2. PROVIDE DIGITAL MULTIFUNCTION POWER METER WITH MULTI-CIRCUIT ELECTRICITY ENERGY MONITORING CAPABILITY FOR SUB-METERING. PROVIDE COMMUNICATION NETWORK INTERFACE.
3. PROVIDE 2-WAY ETHERNET COMMUNICATION CONNECTION INPUT PORT PROVISION FOR FUTURE NETWORKING WITH MECHANICAL CONTROLS.
4. PROVIDE CATEGORY 6 ETHERNET COMMUNICATION CABLE IN 3/4" EMT CONDUIT.
5. PROVIDE CIRCUIT MONITORING CURRENT TRANSFORMER AND CABLING INTERFACE TO POWER METER PER METERING EQUIPMENT VENDOR'S RECOMMENDATION.
6. PROVIDE POWER METER VOLTAGE INPUT CONNECTION WITH CIRCUIT OVERCURRENT PROTECTION PER METERING EQUIPMENT VENDOR'S RECOMMENDATION.

A8 E804 **POWER MONITORING SYSTEM - CONNECTION DIAGRAM**

NOT TO SCALE

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WARRENTON ADMINISTRATIVE BUILDING

POWER METERING SYSTEM - CONNECTION DIAGRAM

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

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DATE 03/11/2022 JCN: 21001763
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COMMUNICATIONS SYMBOLS

TELEPHONE AND DATA COMMUNICATIONS

- TELEPHONE TERMINAL BOARD (TB)
- TELEPHONE TERMINAL CABINET (TC)
- EQUIPMENT RACK
- TWO POST RELAY RACK
- TELEPHONE WALL OUTLET
- DATA WALL OUTLET (M)
  - AV1, AV2 = AUDIO VISUAL
  - M = MODULAR FURNITURE
  - WAP = WIRELESS ACCESS POINT
- COMBINATION TELEPHONE AND DATA WALL OUTLET
- TELEPHONE OUTLET IN COMMON FLOOR BOX WITH ELECTRICAL OUTLET
- DATA OUTLET IN COMMON FLOOR BOX WITH ELECTRICAL OUTLET
  - AV = AUDIO VISUAL
  - PT = POKE-THRU
- COMBINATION TELEPHONE AND DATA OUTLET IN COMMON FLOOR BOX WITH ELECTRICAL OUTLET
- COMBINATION DATA AND ELECTRICAL POKE-THRU
- TELEPHONE CEILING OUTLET
- DATA CEILING OUTLET
  - P = PROJECTOR
- COMBINATION TELEPHONE AND DATA CEILING OUTLET
- WALL MOUNTED JUNCTION BOX WITH FLEXIBLE WHIP TO FURNITURE BASE POWER FEED, MOUNT AT 18-INCHES ABOVE FINISHED FLOOR
- (PT) FLOOR BOX FEED WITH FLEXIBLE WHIP TO FURNITURE BASE POWER FEED
  - PT = POKE THRU FEED
- (PP) POWER POLE FEED WITH FLEXIBLE WHIP TO FURNITURE BASE POWER FEED
- PRIMARY BONDING BUSBAR (PBB); SECONDARY BONDING BUSBAR (SBB)
- BET — BUILDING ENTRANCE TERMINAL
- 110 — 110 BLOCKS
- CP — CONSOLIDATION POINT
- BASKET CABLE TRAY
- LADDER CABLE TRAY

MISCELLANEOUS SYSTEMS

- MIC — MICROPHONE OUTLET CEILING
- MIC — MICROPHONE OUTLET FLOOR
- MIC — MICROPHONE OUTLET WALL
- PA — PUBLIC ADDRESS PUSHBUTTON
- V — VOLUME CONTROL AND CHANNEL SELECTOR
- CEILING MOUNTED SPEAKER
  - PT = PENDANT
- WALL MOUNTED SPEAKER
- C — SINGLE FACE CLOCK, A = ANALOG, D = DIGITAL
- PROGRAM BELL
- PROGRAM BUZZER
- BUZZER SWITCH
- TV — TELEVISION OUTLET
- AMP — AMPLIFIER
- CH — CHIME
- PB — PULL BOX
- J — JUNCTION BOX

SITE

- C — EXISTING MANHOLE (CMH) OR EXISTING HANDHOLE (CHH)
- C — NEW MANHOLE (CMH) OR NEW HANDHOLE (CHH)
- CU — COMMUNICATIONS DUCTBANK
- CU_x — EXISTING COMMUNICATIONS DUCTBANK
- C — COMMUNICATIONS OVERHEAD LINE
- C_x — EXISTING COMMUNICATIONS OVERHEAD LINE

COMMUNICATIONS ABBREVIATIONS

ACS	ACCESS CONTROL SYSTEM
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANN	ANNUNCIATOR
ARCH	ARCHITECTURAL
AV	AUDIO AND VISUAL
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BATT	BATTERY
BB	BACKBONE
BFPP	BACKBONE FIBER PATCH PANEL
BBV	BACKBONE VOICE
BVPP	BACKBONE VOICE PATCH PANEL
BET	BUILDING ENTRANCE TERMINAL
BLDG	BUILDING
BMS	BALANCED MAGNETIC SWITCH
C	CONDUIT
CAB	CABINET
CAT	CATEGORY
CCTV	CLOSED CIRCUIT TELEVISION
CLG	CEILING
CMH	COMMUNICATIONS MANHOLE
COB	CENTER OF BOX
COMM	COMMUNICATIONS
CONST	CONSTRUCTION
CONT	CONTINUATION
DIST	DISTRIBUTION
DWG	DRAWING
EF	ENTRANCE FACILITY
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQPT	EQUIPMENT
EXIST	EXISTING
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FIXT	FIXTURE
FLR	FLOOR
FMC	FLEXIBLE METALLIC CONDUIT
FO	FIBER OPTIC
HDPP	HORIZONTAL DATA PATCH PANEL
HFPP	HORIZONTAL FIBER PATCH PANEL
HOV	HORIZONTAL VOICE
IDS	INTRUSION DETECTION SYSTEM
JB	JUNCTION BOX
MFR	MANUFACTURER
MH	MOUNTING HEIGHT
MMF	MULTI MODE FIBER
MTD	MOUNTED
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFOI	OWNER FURNISHED OWNER INSTALLED
OH	OVERHEAD
OSP	OUTSIDE PLANT
PA	PUBLIC ADDRESS
PB	PULL BOX
PBB	PRIMARY BONDING BUSBAR
PBX	PRIVATE BRANCH EXCHANGE
PC	PERSONAL COMPUTER
PLAS	PLASTIC
PP	PATCH PANEL
PR	PAIR
PWR	POWER
QTY	QUANTITY
RBB	RACK BONDING BUSBAR
RBC	RACK BONDING CONDUCTOR
RECP	RECEPTACLE
REQD	REQUIRED
RGS	RIGID GALVANIZED STEEL
RM	ROOM
RSC	RIGID STEEL CONDUIT
SBB	SECONDARY BONDING BUSBAR
SCRT	SECURITY
SECT	SECTION
SH	SHIELDED
SPEC	SPECIFICATION
SMF	SINGLE MODE FIBER
SP	SERVICE PROVIDER
SURF	SURFACE
SW	SWITCH
SYM	SYMMETRICAL
SYS	SYSTEMS
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TBC	TELECOMMUNICATIONS BONDING CONDUCTOR
TEBC	TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR
TEL	TELEPHONE
TELECOM	TELECOMMUNICATIONS
TER	TELECOMMUNICATIONS EQUIPMENT ROOM
TR	TELECOMMUNICATIONS ROOM
TW	TWISTED
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
WP	WEATHERPROOF
XFR	TRANSFER
XP	EXPLOSION PROOF

COMMUNICATIONS GENERAL NOTES

1. ALL SYMBOLS AND ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED ON THIS PROJECT.
2. REFER TO ONE-LINE DIAGRAMS FOR CABLE SIZES, CONDUIT SIZES, AND DEVICES NOT SHOWN ON PLANS.
3. MOUNTING HEIGHTS FOR CEILING MOUNTED DEVICES ARE TO THE BOTTOM OF THE DEVICE, UNLESS OTHERWISE NOTED.
4. MOUNTING HEIGHTS ABOVE FINISHED FLOOR, TO CENTERLINE OF DEVICE, ARE AS FOLLOWS, UNLESS OTHERWISE NOTED:

DATA OUTLETS	18-INCHES
AV1 OUTLETS	18-INCHES
AV2 OUTLETS	PER ELEVATION
TELEPHONE OUTLETS	48-INCHES
COUNTER TOP OUTLETS (CT)	8 INCHES ABOVE COUNTER
WIRELESS ACCESS POINT	12-INCHES ABOVE FINISHED CEILING
HORN SPEAKERS	96-INCHES
TELEVISION OUTLET	PER ELEVATION
SPEAKER VOLUME CONTROL	48-INCHES

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SYMBOLS, ABBREVIATIONS AND GENERAL NOTES

WARRENTON — DCCA ADM — VA

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DESIGNED BY S. HANSBERRY
DRAWN BY C. TINKER
CHECKED BY J. HIMES
ISSUED BY ENGINEERING SERVICES TERMINAL
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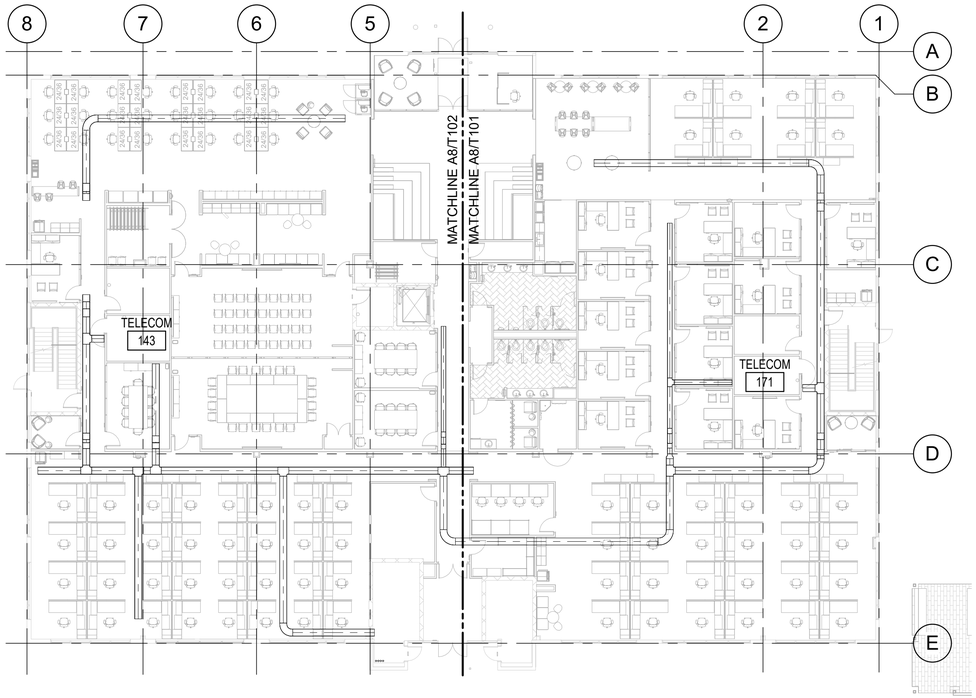

D8 FIRST FLOOR - OVERALL COMMUNICATIONS PLAN

1/16" = 1'-0"

D4 SECOND FLOOR - OVERALL COMMUNICATIONS PLAN

1/16" = 1'-0"

16 0 16 32

Scale: 1/16 INCH = 1 FOOT

N

KEY NORTH

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FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRST AND SECOND FLOOR - OVERALL COMMUNICATIONS PLAN

WARRENTON — DCCA ADM — VA

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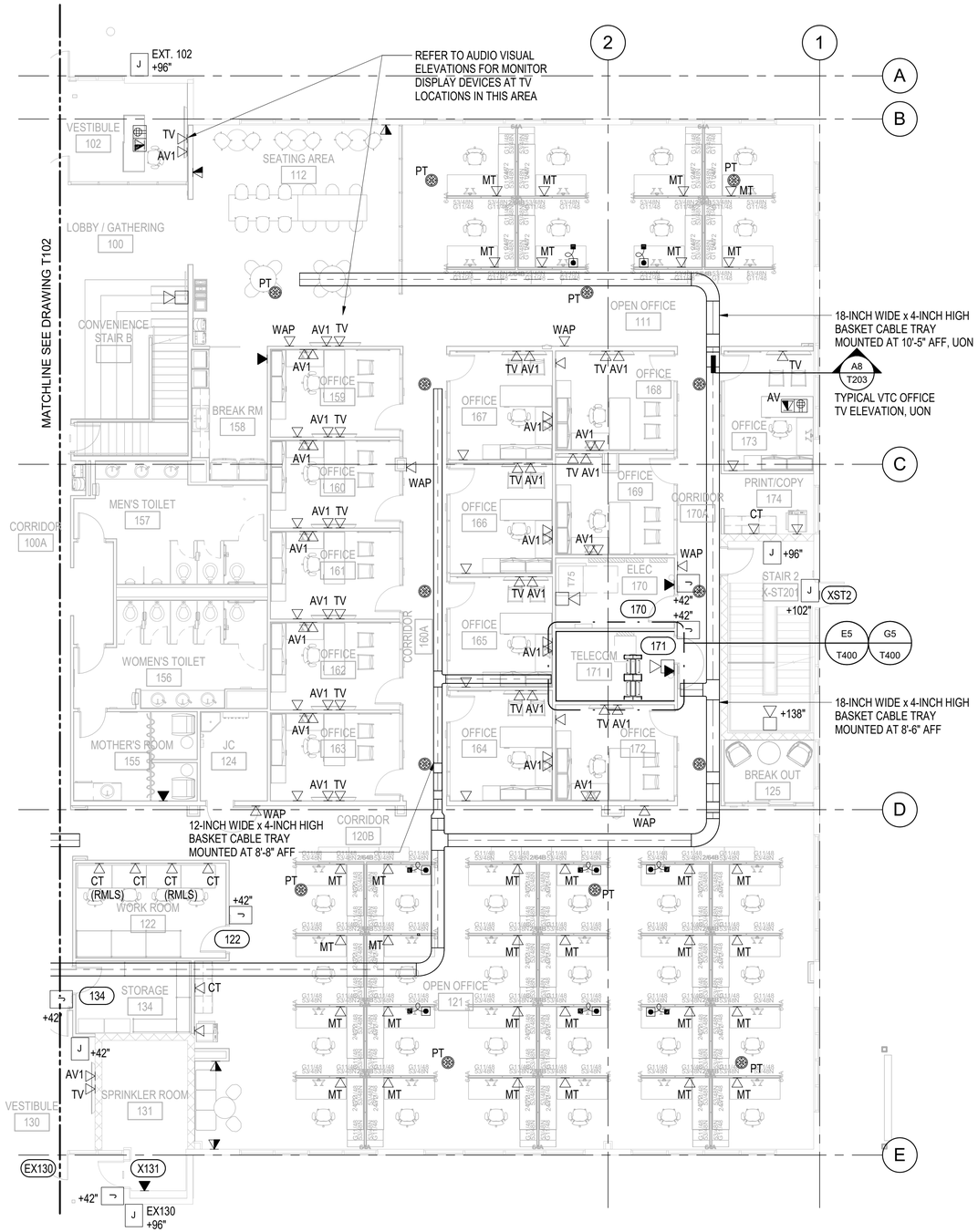
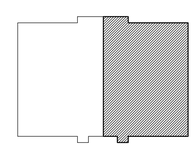


A8 FIRST FLOOR - COMMUNICATIONS PLAN - PART 1

1/8" = 1'-0"



PARTS PLAN

Scale: 1/8 INCH = 1 FOOT

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WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR - COMMUNICATIONS PLAN - PART 1

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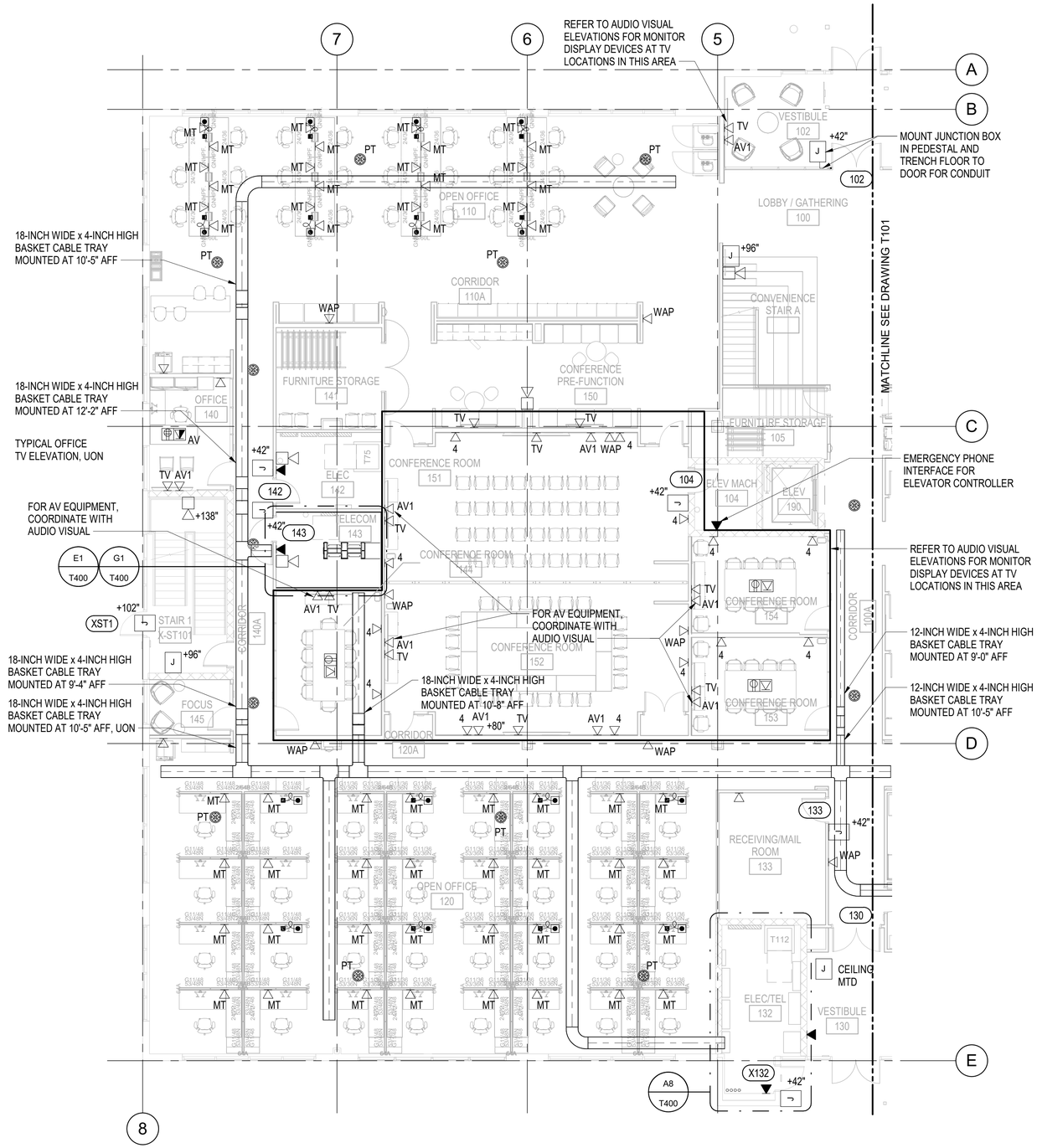

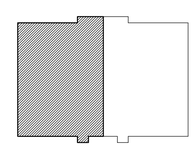

PARTS PLAN

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

A8 FIRST FLOOR - COMMUNICATIONS PLAN - PART 2

1/8" = 1'-0"

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WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR - COMMUNICATIONS PLAN - PART 2

WARRENTON — DCCA ADM — VA

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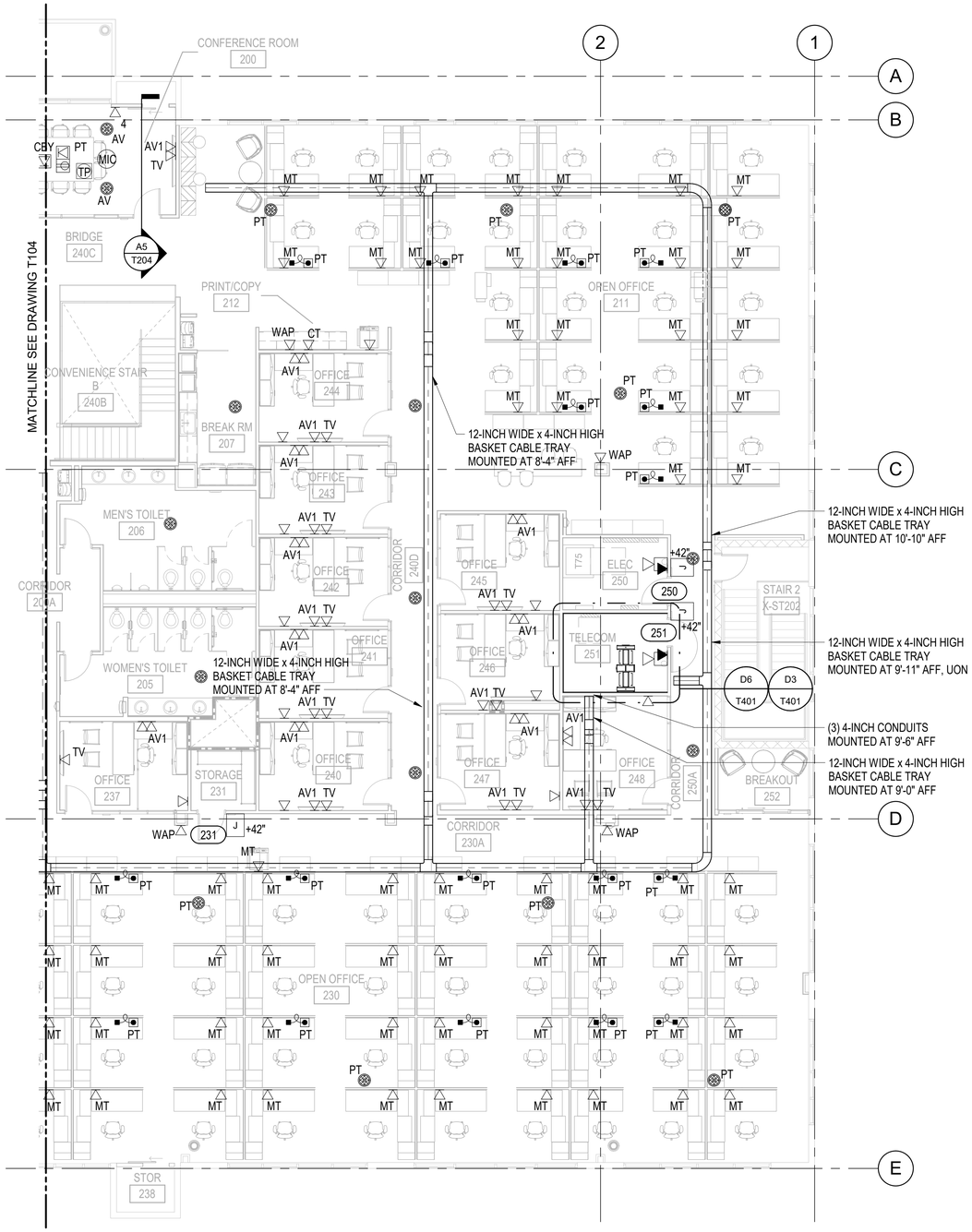
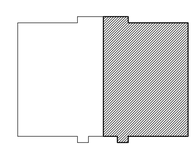


A8 SECOND FLOOR - COMMUNICATIONS PLAN - PART 1

1/8" = 1'-0"



PARTS PLAN

Scale: 1/8 INCH = 1 FOOT

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WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR - COMMUNICATIONS PLAN - PART 1

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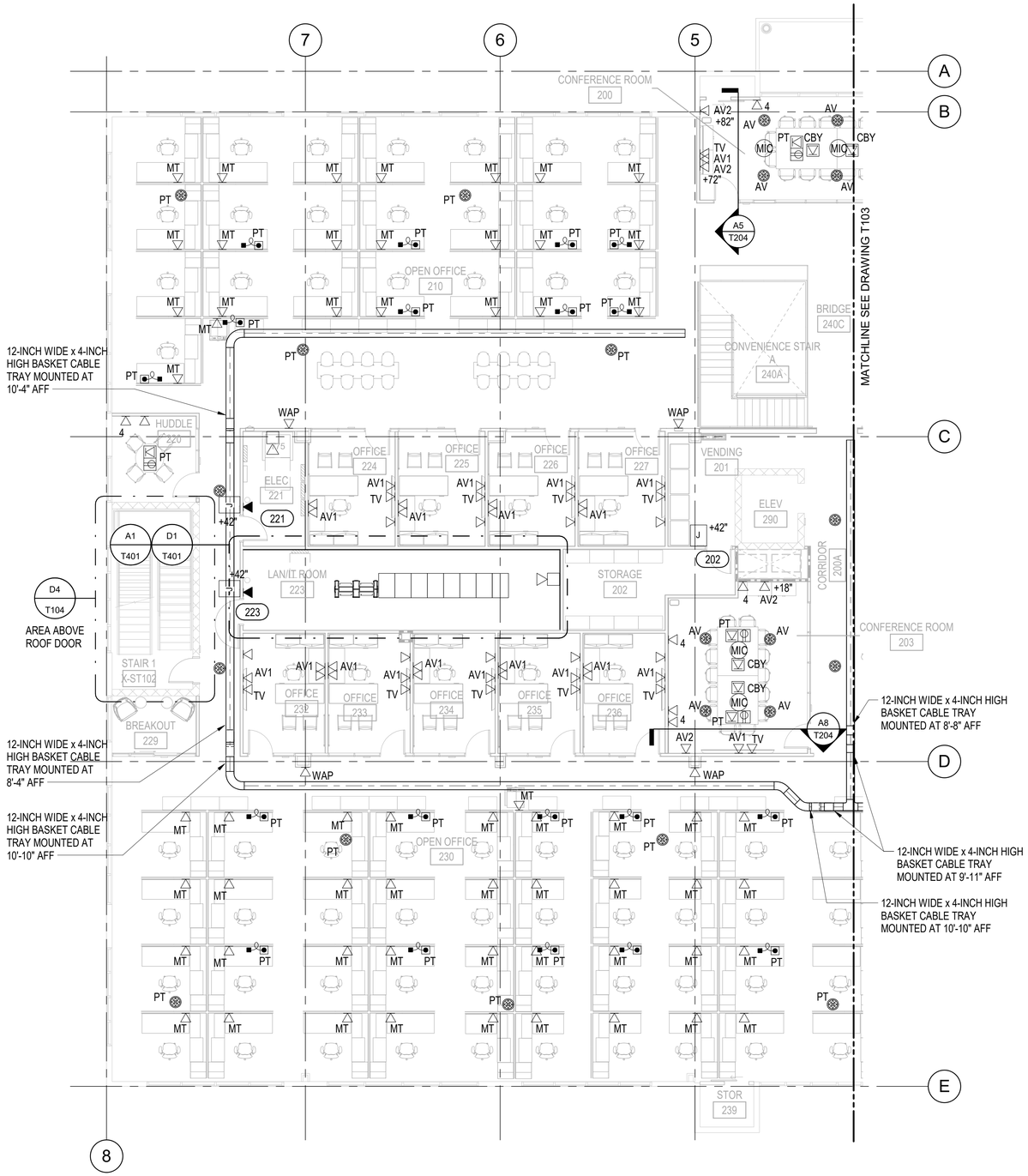
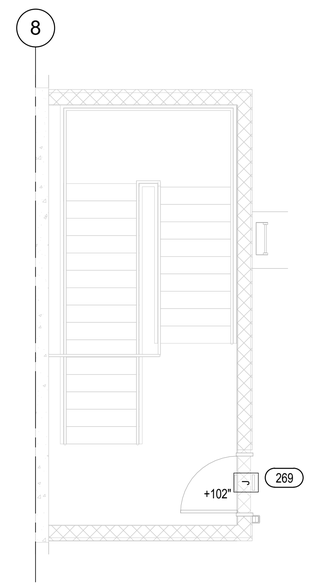
PLOT DATE/TIME: 3/10/2022 12:40:01 PM



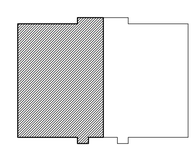
A8 SECOND FLOOR - COMMUNICATIONS PLAN - PART 2

1/8" = 1'-0"



D4 ROOF STAIR PLAN

1/4" = 1'-0"



PARTS PLAN

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WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR - COMMUNICATIONS PLAN - PART 2

WARRENTON — DCCA ADM — VA

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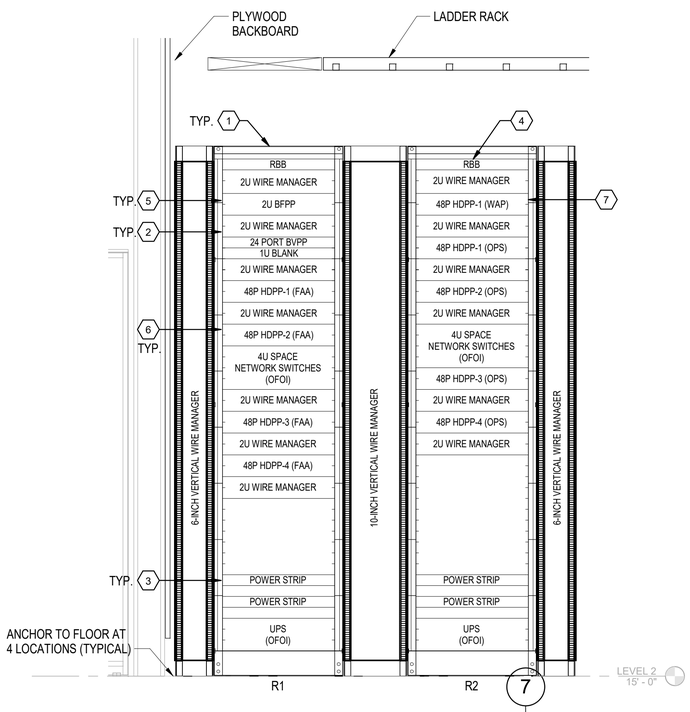
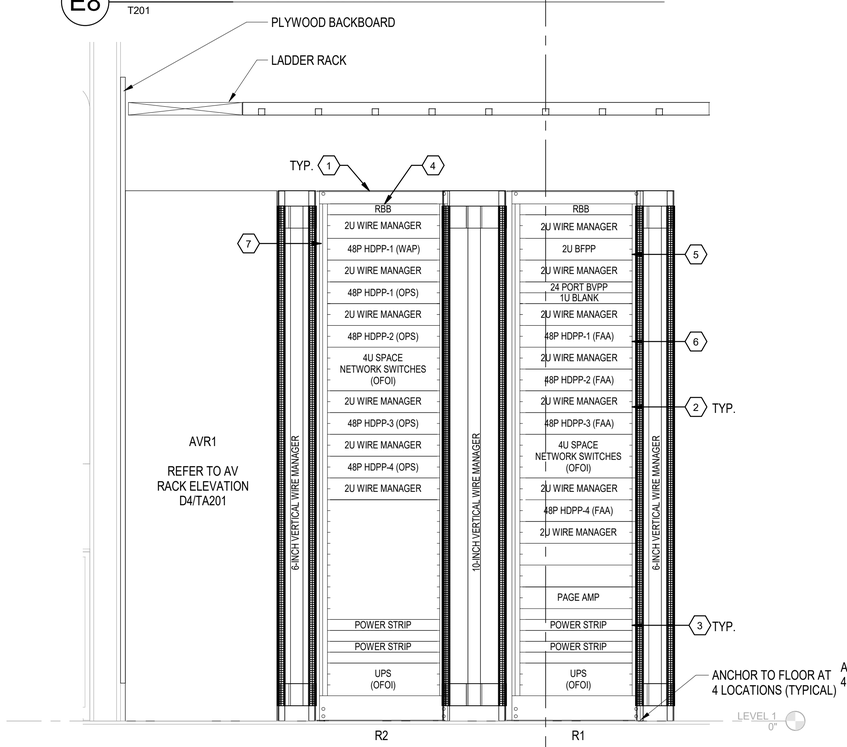
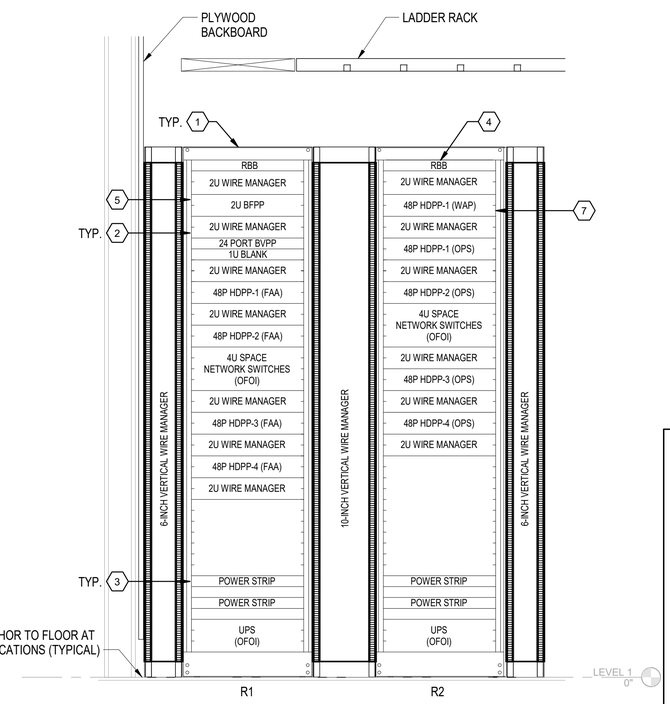


E8 RACK ELEVATION ROOM 251
T201



A8 RACK ELEVATION ROOM 143
T201



A5 RACK ELEVATION ROOM 172
T201

KEYNOTES

1. PROVIDE 84-INCH HIGH x 19-INCH WIDE TWO-POST EQUIPMENT RACK WITH (2) 84-INCH HIGH x 6-INCH OR 10 INCH WIDE x 16.4-INCH DEEP DOUBLE-SIDED, HIGH DENSITY, FINGER TYPE VERTICAL CABLE MANAGERS WITH DOORS.
2. PROVIDE 2RU HORIZONTAL CABLE MANAGEMENT FRONT, BACK, ABOVE, BELOW AND BETWEEN ALL PATCH PANELS WITH COVERS.
3. PROVIDE 120V, 20A HORIZONTAL SURGE PROTECTED POWER STRIP WITH (13) OUTLETS.
4. PROVIDE 1RU RBB GROUND BAR WITH PRE-DRILLED HOLES FOR EQUIPMENT BONDING. REFER TO GROUNDING DETAILS FOR ADDITIONAL INFORMATION.
5. PROVIDE 2RU FIBER SPLICE ENCLOSURE WITH 6-DUPLEX (12-FIBER) LC, SINGLEMODE FIBER, OS1 ADAPTER PANELS, BLUE CERAMIC ALIGNMENT SLEEVES 12-FIBER SPLICE TRAYS, LOOSE TUBE BREAKOUT KIT, HEAT SHRINK TUBES, 12-FIBER PIGTAILS 2M, LC-IPC, SMF, OS1.
6. 2RU 48 PORT CATEGORY 6 PATCH PANEL WITH RJ-45 PORTS.
7. 2RU 48 PORT CATEGORY 6A PATCH PANEL WITH RJ-45 PORTS.

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WARRENTON ADMINISTRATIVE BUILDING

RACK ELEVATIONS

WARRENTON — DCCA ADM — VA

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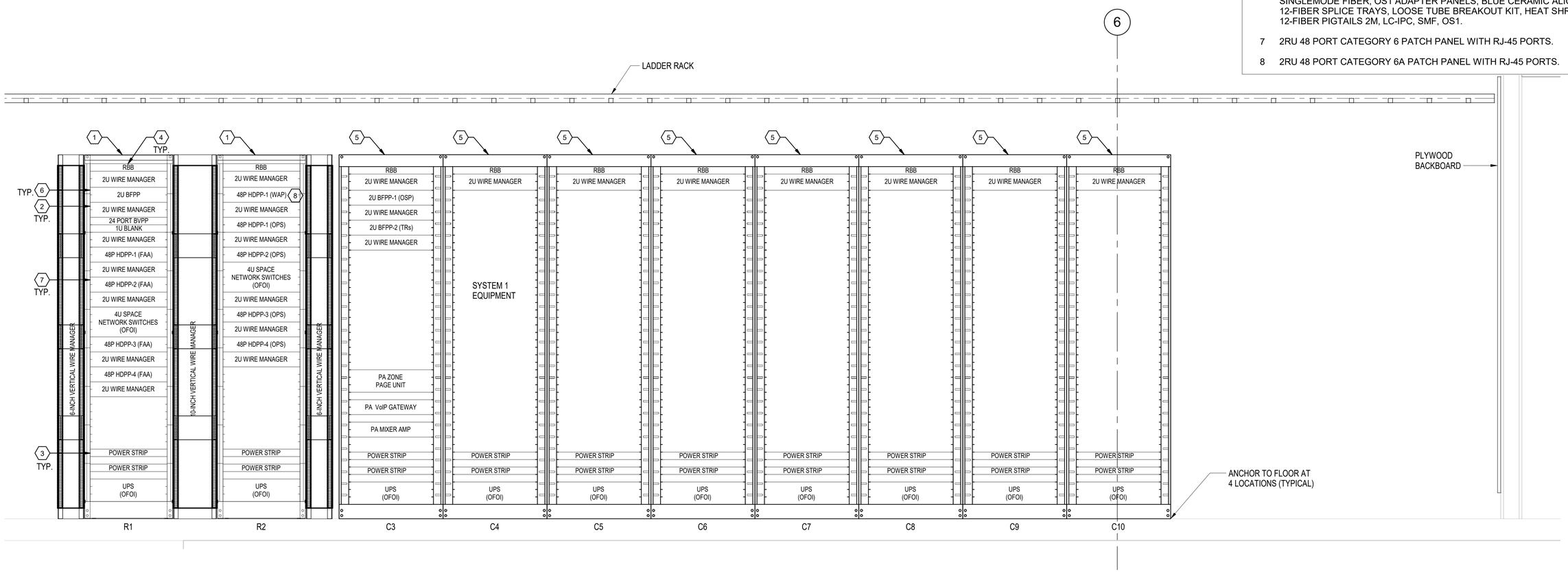
KEYNOTES

1. PROVIDE 84-INCH HIGH x 19-INCH WIDE TWO-POST EQUIPMENT RACK WITH (2) 84-INCH HIGH x 6-INCH OR 10-INCH WIDE x 16.4-INCH DEEP DOUBLE-SIDED, HIGH DENSITY, FINGER TYPE VERTICAL CABLE MANAGERS WITH DOORS.
2. PROVIDE 2RU HORIZONTAL CABLE MANAGEMENT FRONT, BACK, ABOVE, BELOW AND BETWEEN ALL PATCH PANELS WITH COVERS.
3. PROVIDE 120V, 20A HORIZONTAL SURGE PROTECTED POWER STRIP WITH (13) OUTLETS.
4. PROVIDE 1RU RBB GROUND BAR WITH PRE-DRILLED HOLES FOR EQUIPMENT BONDING.
5. PROVIDE 84-INCH HIGH (45RU) x 36-INCH WIDE x 36-INCH DEEP TELECOM CABINET WITH FRONT AND REAR MESH LOCKABLE DOORS, MINIMUM 6-INCH WIDE INTERNAL VERTICAL WIRE MANAGERS ON BOTH SIDES AND EXHAUST AT TOP.
6. PROVIDE 2RU FIBER SPLICE ENCLOSURE WITH 6-DUPLEX (12-FIBER) LC, SINGLEMODE FIBER, OS1 ADAPTER PANELS, BLUE CERAMIC ALIGNMENT SLEEVES 12-FIBER SPLICE TRAYS, LOOSE TUBE BREAKOUT KIT, HEAT SHRINK TUBES, 12-FIBER PIGTAILS 2M, LC-IPC, SMF, OS1.
7. 2RU 48 PORT CATEGORY 6 PATCH PANEL WITH RJ-45 PORTS.
8. 2RU 48 PORT CATEGORY 6A PATCH PANEL WITH RJ-45 PORTS.



D8 RACK ELEVATION ROOM 223
T202

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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

RACK ELEVATIONS

WARRENTON — DCCA ADM — VA

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DRAWN BY: C. TINKER
CHECKED BY: J. HIMES
ISSUED BY: ENGINEERING SERVICES TERMINAL
DATE: 01/21/2022 JCN: 21001763
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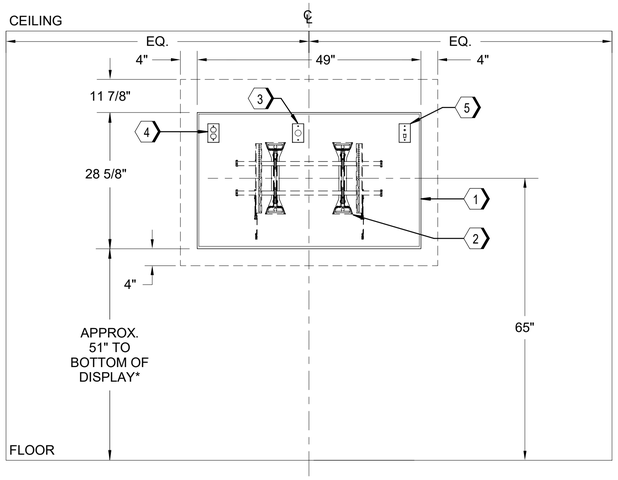
DCCA ADM
WARRENTON, VA

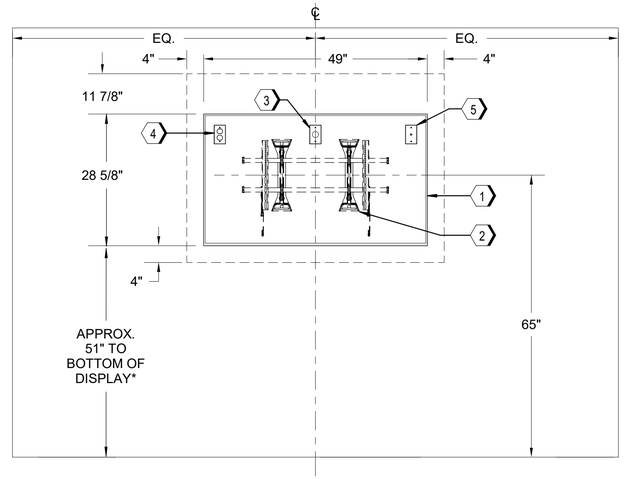
PLOT DATE/TIME: 3/10/2022 12:40:09 PM

KEYNOTES

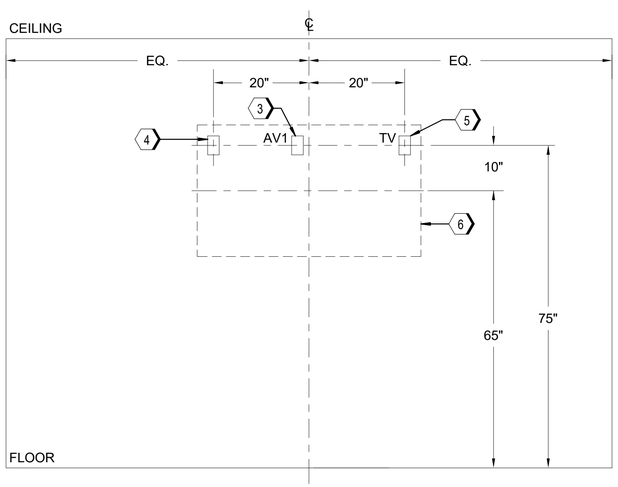
1. 55-INCH FLAT PANEL DISPLAY, REFER TO PLANS FOR LOCATION. APPROXIMATE DISPLAY WEIGHT: 65 LBS. SHOWN FOR DEVICE COORDINATION ONLY.
2. LARGE WALL DISPLAY MOUNT. ASSUMED WEIGHT: 20 LBS. (REFER TO SPECIFICATIONS FOR EXACT DISPLAY DIMENSIONS AND WEIGHT.)
3. JUNCTION BOX (AV1) BEHIND DISPLAY FOR AV CABLES. REFER TO T600 FOR OUTLET DETAIL.
4. DUPLEX RECEPTACLE, 120VAC, 20A (SHOWN FOR COORDINATION) BEHIND DISPAY, COORDINATE WITH DIVISION 26.
5. DATA OUTLET WITH CABLE PATHWAY STUBBED ABOVE FINISH CEILING BEHIND DISPLAY. REFER TO T600 FOR OUTLET DETAIL.
6. BLOCKING MAY BE REQUIRED TO ALLOW THIS MONITOR TO BE ATTACHED TO THE WALL. MOUNTING POINTS AND SURROUNDING AREA MUST BE CAPABLE OF SUPPORTING 422 LBS., PER MONITOR, BLOCKING IS TO ENSURE THAT THE MOUNTING POINTS AND SURROUNDING AREA ARE CAPABLE OF SUPPORTING FIVE TIMES (5x) THE TOTAL COMBINED WEIGHT OF THE DISPLAY AND WALL MOUNT.



AV DEVICE ELEVATION

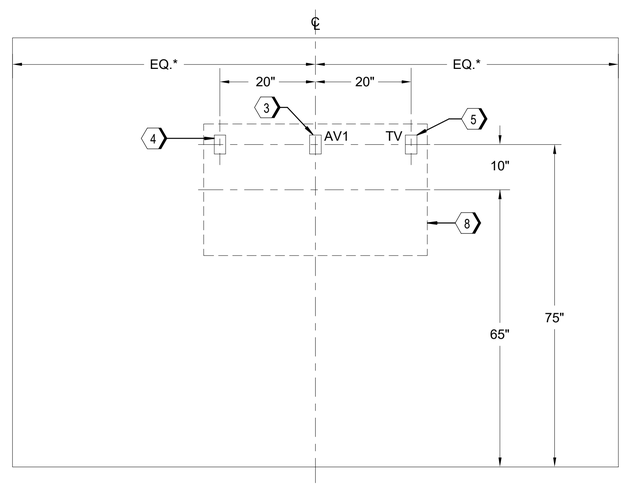


AV DEVICE ELEVATION



TYPICAL OFFICE

FACILITY REQUIREMENT ELEVATION



FOR VESTIBULE 130

FACILITY REQUIREMENT ELEVATION

A8 55-INCH AV VTC MONITOR ELEVATION - TYPICAL OFFICE
NOT TO SCALE

A5 55-INCH AV MONITOR ELEVATION
NOT TO SCALE

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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

MONITOR ELEVATIONS

WARRENTON — DCCA ADM — VA

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	SUBMITTER'S TITLE	APPROVER'S TITLE

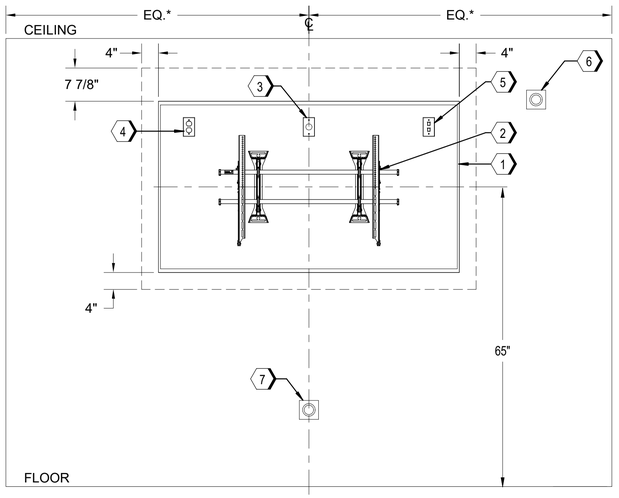
DCCA ADM
WARRENTON, VA

DESIGNED BY S. HANSBERRY
DRAWN BY C. TINKER
CHECKED BY Checker
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 01/21/2022
JCN: 21001763
DRAWING NO. DCCA - D - ADM - T203
REV.

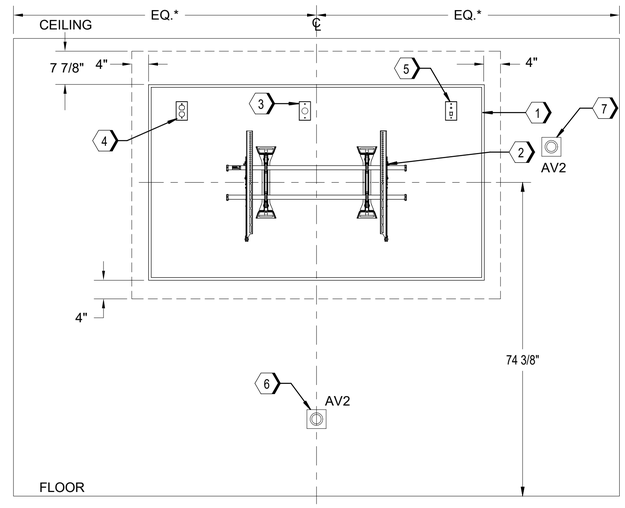
PLOT DATE/TIME: 3/10/2022 12:40:09 PM

KEYNOTES

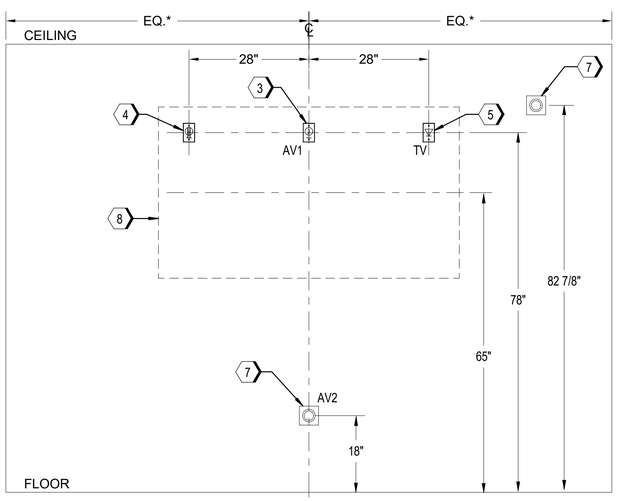
1. OFOI 75-INCH OR 110-INCH FLAT PANEL DISPLAY, CENTERED ON WALL. SHOWN FOR COORDINATION ONLY.
2. OFOI X-LARGE WALL DISPLAY MOUNT.
3. JUNCTION BOX (AV1) BEHIND DISPLAY FOR AV CABLES. REFER TO T600 FOR OUTLET DETAIL.
4. DUPLEX RECEPTACLE, 120VAC, 20A (SHOWN FOR COORDINATION) BEHIND DISPLAY, BY DIVISION 26.
5. CATV/DATA DROP(S) WITH CABLE PATHWAY STUBBED ABOVE FINISH CEILING BEHIND DISPLAY. REFER TO T600 FOR OUTLET DETAIL.
6. OFOI VIDEO CAMERA. SHOWN FOR COORDINATION ONLY.
7. JUNCTION BOX (AV2) BELOW DISPLAY FOR VIDEO CAMERA AV CABLES. EXACT HEIGHT OF JUNCTION BOX MAY VARY DEPENDING ON CAMERA AND WALL MOUNT CHOSEN. REFER TO T600 FOR OUTLET DETAIL.
8. BLOCKING REQUIRED TO ALLOW THIS MONITOR TO BE ATTACHED TO THE WALL AND MUST BE CAPABLE OF SUPPORTING FIVE TIMES (5x) THE TOTAL COMBINED WEIGHT OF THE DISPLAY AND WALL MOUNT.



AV DEVICE ELEVATION

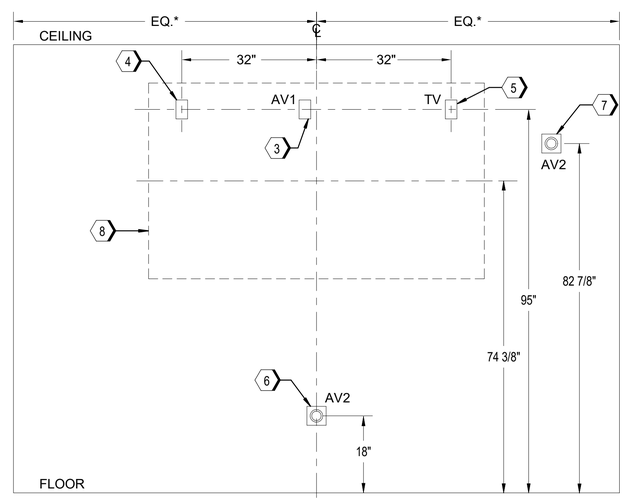


AV DEVICE ELEVATION



FACILITY REQUIREMENT ELEVATION

A8 75-INCH AV MONITOR ELEVATION FOR CONFERENCE ROOM 203
NOT TO SCALE



EAST ELEVATION SIMILAR EXCEPT NO CAMERA

FACILITY REQUIREMENT ELEVATION

A5 110-INCH AV MONITOR ELEVATION FOR CONFERENCE ROOM 200
NOT TO SCALE

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

MONITOR ELEVATION

WARRENTON — DCCA ADM — VA

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	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY S. HANSBERRY
DRAWN BY C. TINKER
CHECKED BY Checker

ISSUED BY ENGINEERING SERVICES TERMINAL

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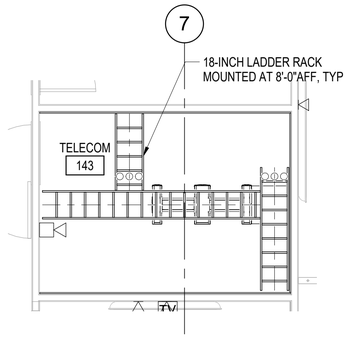
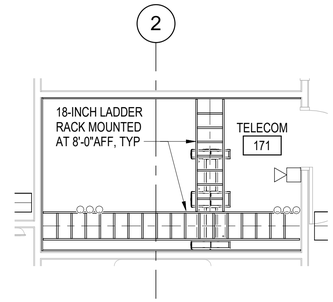
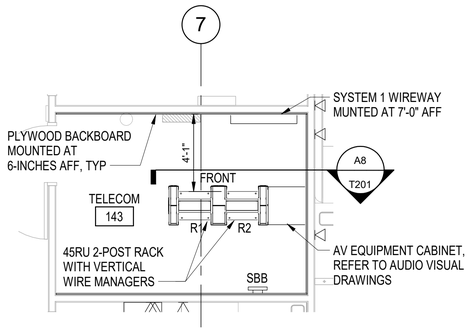


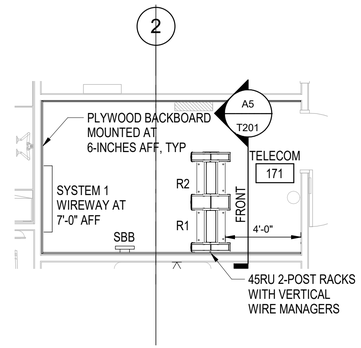
G1 ENLARGED TELECOM ROOM 143 - CABLE TRAY PLAN
1/4" = 1'-0"



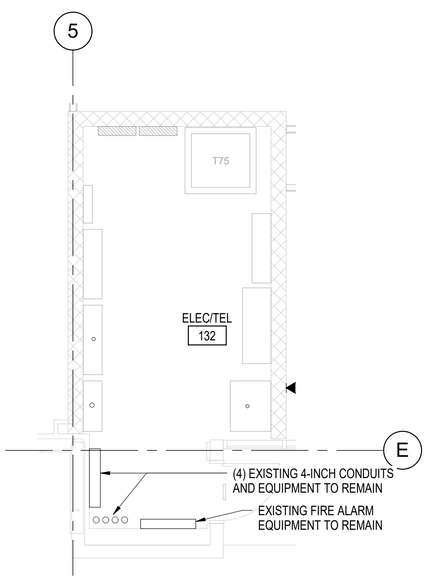
G5 ENLARGED TELECOM ROOM 171 - CABLE TRAY PLAN
1/4" = 1'-0"



E1 ENLARGED TELECOM ROOM 143 - EQUIPMENT PLAN
1/4" = 1'-0"



E5 ENLARGED TELECOM ROOM 171 - EQUIPMENT PLAN
1/4" = 1'-0"



A8 ENLARGED ELEC/TEL ROOM 132 - EQUIPMENT PLAN
1/4" = 1'-0"

4 0 4 8
Scale: 1/4 INCH = 1 FOOT

N
KEY NORTH

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WARRENTON ADMINISTRATIVE BUILDING

ENLARGED FIRST FLOOR TELECOM ROOM PLANS

WARRENTON — DCCA ADM — VA

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DCCA ADM
WARRENTON, VA

DESIGNED BY S. HANSBERRY
DRAWN BY C. TINKER
CHECKED BY J. HIMES
ISSUED BY ENGINEERING SERVICES TERMINAL
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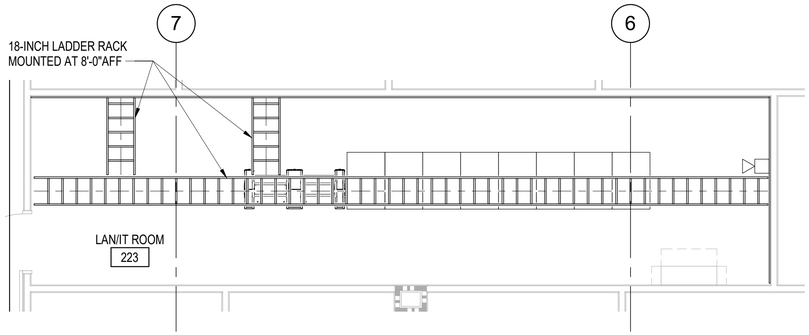
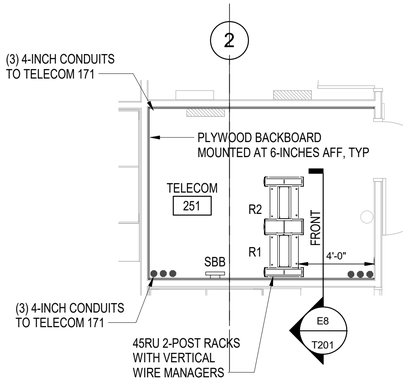
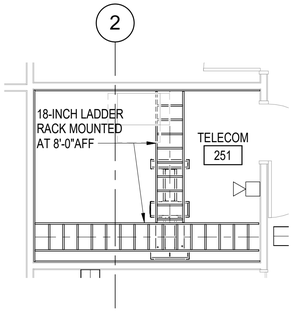


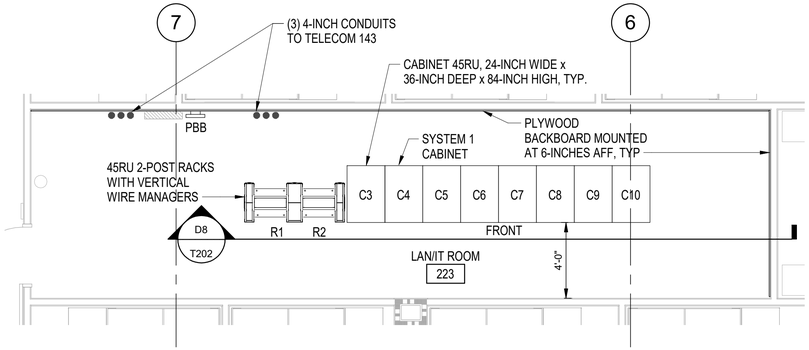
D1 ENLARGED LAN/IT ROOM 223 - CABLE TRAY PLAN
1/4" = 1'-0"



D6 ENLARGED TELECOM ROOM 251 - EQUIPMENT PLAN
1/4" = 1'-0"



D3 ENLARGED TELECOM ROOM 251 - CABLE TRAY PLAN
1/4" = 1'-0"



A1 ENLARGED LAN/IT ROOM 223 - EQUIPMENT PLAN
1/4" = 1'-0"

4 0 4 8
Scale: 1/4 INCH = 1 FOOT

N
KEY NORTH

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WARRENTON ADMINISTRATIVE BUILDING

ENLARGED SECOND FLOOR TELECOM ROOM PLANS

WARRENTON — DCCA ADM — VA

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WARRENTON, VA

DESIGNED BY S. HANSBERRY
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CHECKED BY J. HIMES
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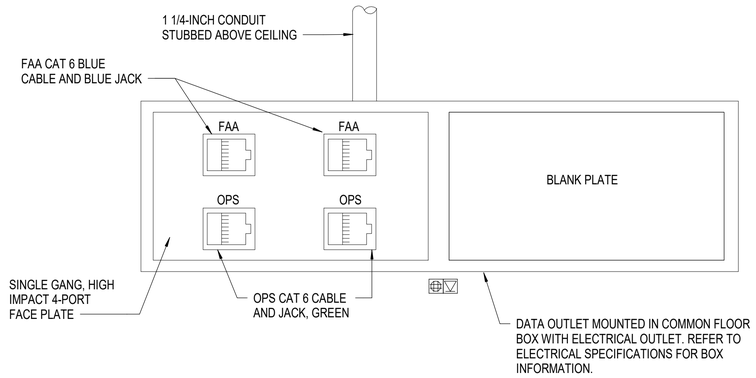
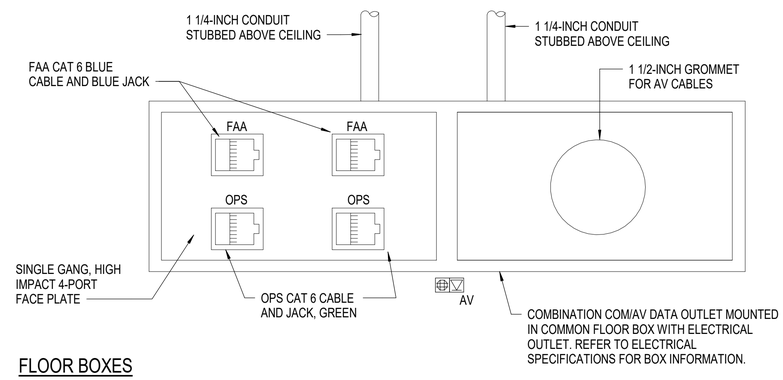
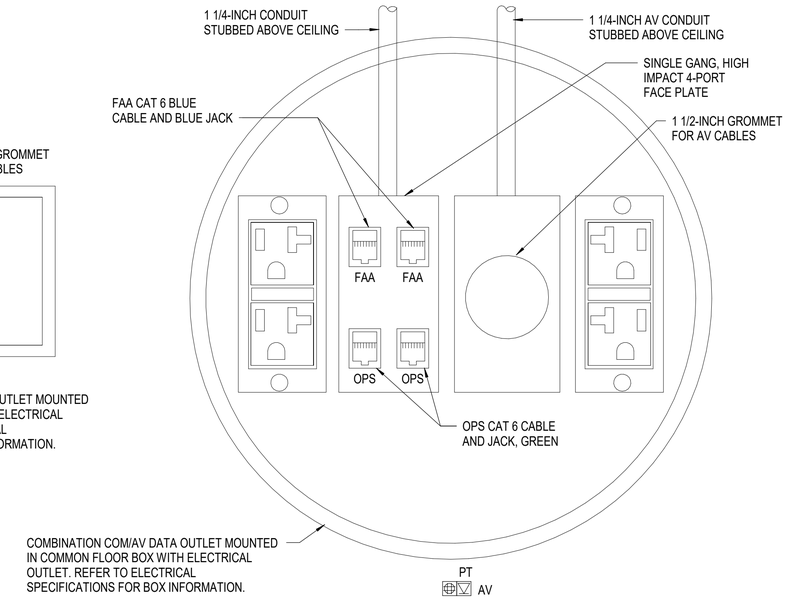


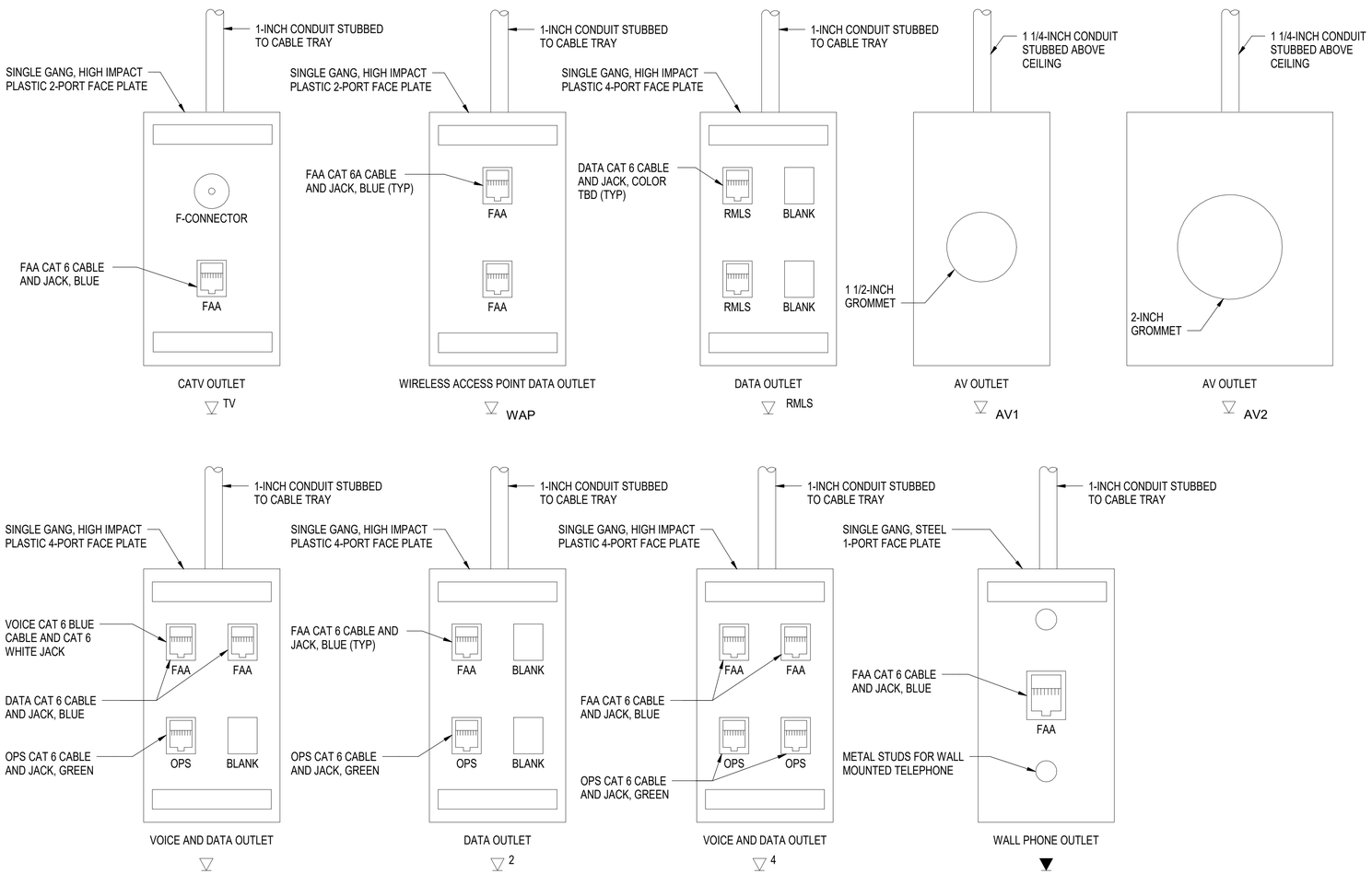


FLOOR BOXES



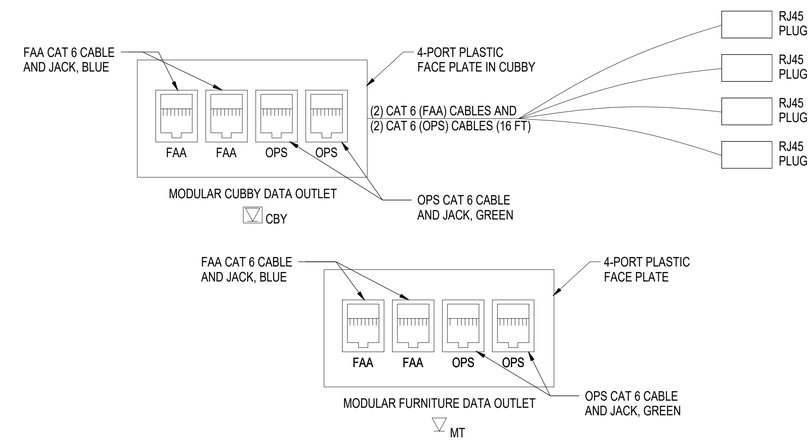
G8 VOICE AND DATA FLOOR BOX OUTLETS

NOT TO SCALE



A8 VOICE AND DATA WALL OUTLETS

NOT TO SCALE



D2 MODULAR FURNITURE/TABLE OUTLET

NOT TO SCALE

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WARRENTON ADMINISTRATIVE BUILDING

OUTLET DETAILS

WARRENTON — DCCA ADM — VA

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DCCA ADM
WARRENTON, VA

DESIGNED BY S. HANSBERRY
DRAWN BY C. TINKER
CHECKED BY J. HIMES
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REV.

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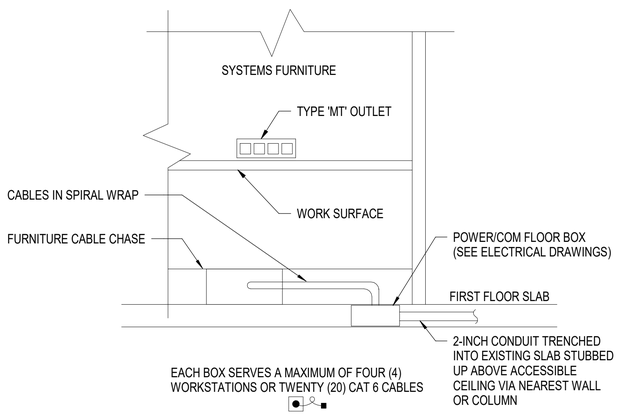
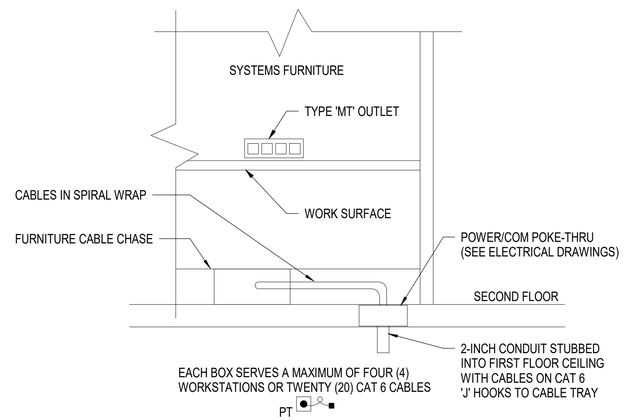
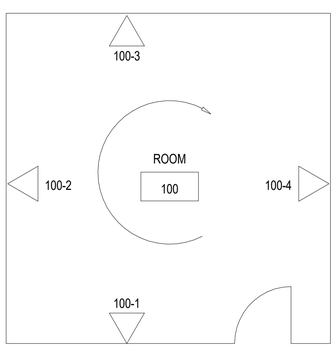


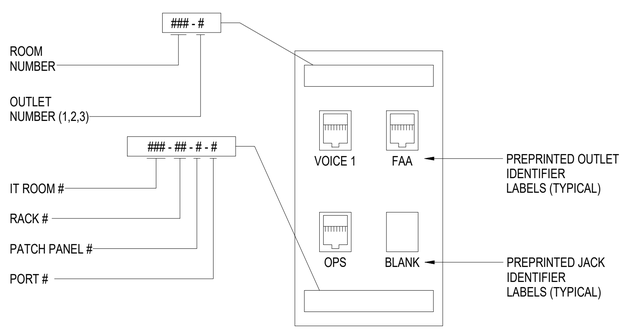


D6 MODULAR SYSTEMS FURNITURE OUTLET INSTALLATIONS

NOT TO SCALE



NOTE:
NUMBER OUTLETS CLOCKWISE STARTING AT
DOOR OR AS INDICATED ON DRAWINGS.



A8 TELECOM VOICE AND DATA OUTLET LABELING

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WARRENTON ADMINISTRATIVE BUILDING

MISCELLANEOUS COMMUNICATION DETAILS

WARRENTON — DCCA ADM — VA

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DRAWN BY: C. TINKER
CHECKED BY: J. HIMES
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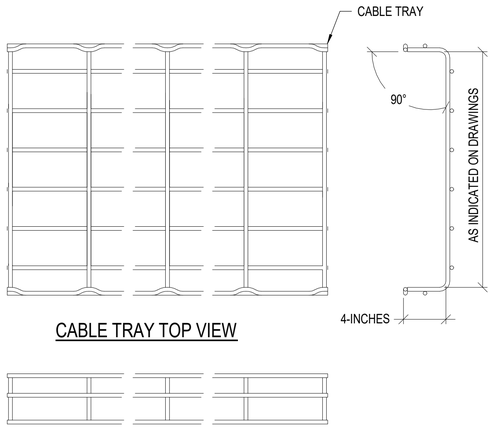
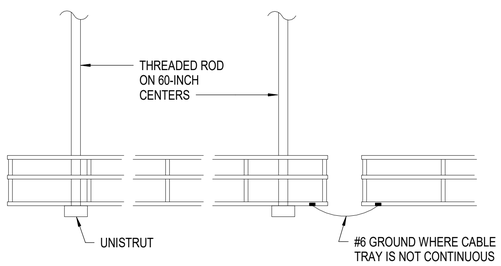
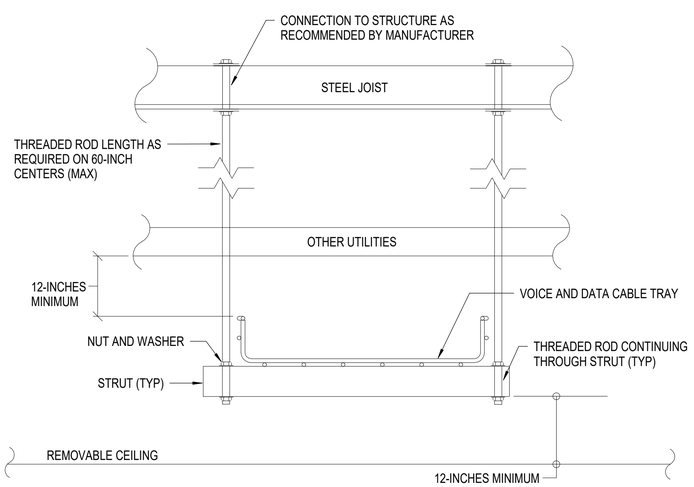
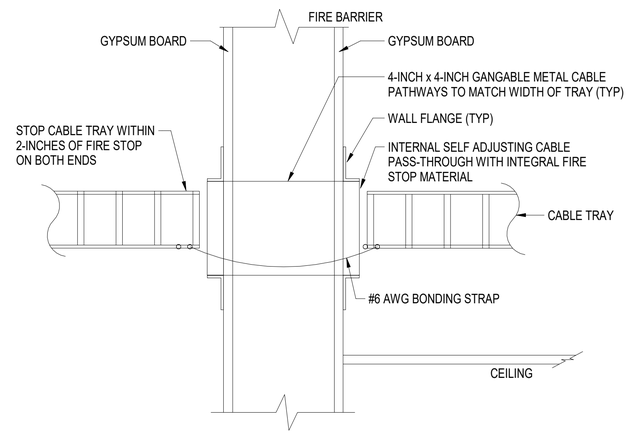






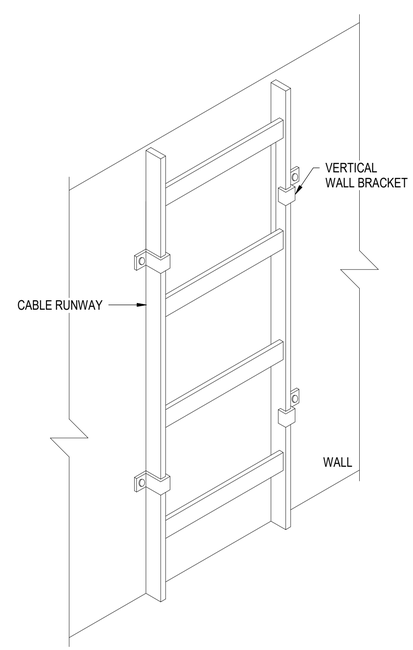
A8 - TELECOM CABLE TRAY MOUNTING DETAILS

NOT TO SCALE



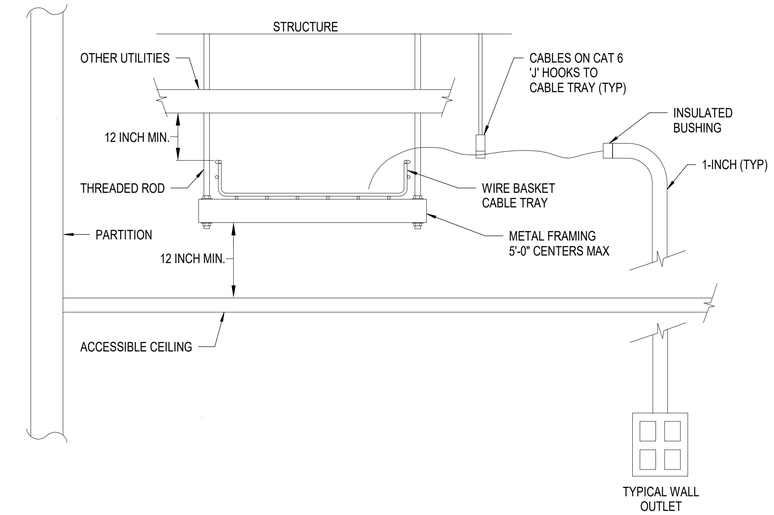
E5 - TELECOM CABLE TRAY WALL PENETRATION DETAIL

NOT TO SCALE



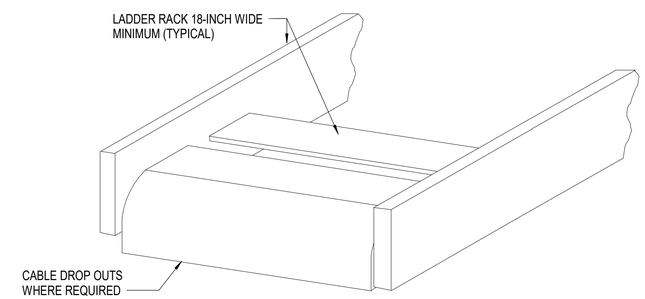
A5 - VERTICAL CABLE RUNWAY DETAIL

NOT TO SCALE



F2 - CABLE TRAY AND OUTLET DETAIL

NOT TO SCALE



C3 - TELECOM ROOM LADDER RACK DETAIL

NOT TO SCALE

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WARRENTON ADMINISTRATIVE BUILDING

CABLE TRAY DETAILS

WARRENTON — DCCA ADM — VA

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DCCA ADM
WARRENTON, VA

DESIGNED BY S. HANSBERRY
DRAWN BY C. TINKER
CHECKED BY J. HIMES

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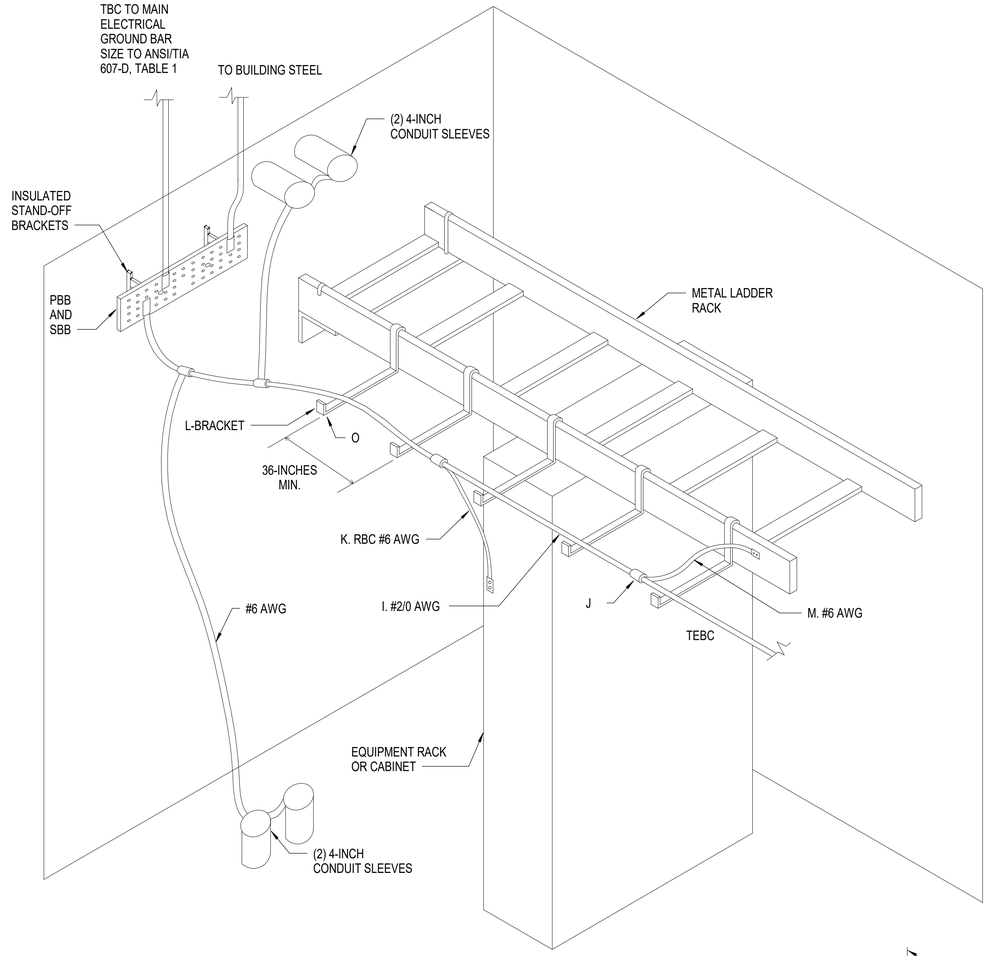
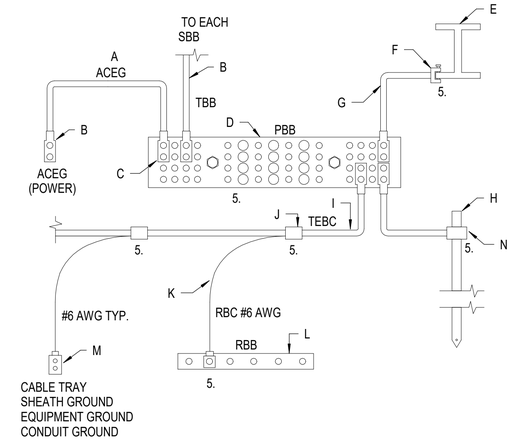


D7 GROUNDING AND BONDING INSTALLATION DETAIL

NOT TO SCALE



E3 GROUNDING AND BONDING DIAGRAM

NOT TO SCALE

GENERAL NOTES:

1. PBB'S MUST MEET ANSI / TIA-607-D 6.2.1.
2. SBB'S MUST MEET ANSI / TIA-607-D 6.2.2.
3. RBB'S MUST MEET ANSI / TIA-607-D 6.2.3.
4. UNLESS NOTED OTHERWISE, SIZE TBB / BBC CONDUCTORS TO ANSI / TIA-607-D TABLE 1 THESE CONDUCTORS MUST BE THE SAME SIZE WHEN CONNECTED.
5. BONDING CONNECTIONS ARE EITHER LISTED EXOTHERMIC WELDS, LISTED IRREVERSIBLE COMPRESSION CONNECTORS, OR LISTED MECHANICAL CONNECTORS. CONNECTORS, LUGS, AND COMPONENTS SHALL BE LISTED FOR THE PURPOSE.

KEYNOTES:

A. IF PANELBOARD IS LOCATED IN SAME SPACE, BOND PBB TO ACEG BUS. MAINTAIN 12-INCHES SEPARATION.

B. THIS CONDUCTOR MUST BE CONTINUOUS AND AS SHORT AS POSSIBLE IN A STRAIGHT-LINE PATH.

C. CONNECTIONS TO THE PBB / SBB MUST UTILIZE EXOTHERMIC WELDING OR LISTED TWO-HOLE COMPRESSION LUGS.

D. PBB OR SBB MUST MEET REQUIREMENTS OF ANSI / TIA-607-D 6.2.1.

E. BUILDING STEEL (STRUCTURAL METAL) VERIFIED ELECTRONICALLY CONTINUOUS VIA TWO-POINT TEST OR EQUIPMENT.

F. LISTED BONDING CONNECTOR. LISTED EXOTHERMIC, COMPRESSION, OR MECHANICAL CONNECTION.

G. SIZE THIS BONDING CONDUCTOR TO TIA 607-D TABLE 1. THIS CONDUCTOR MUST BE NO SMALLER THAN ANY OTHER CONDUCTOR IN THE TELECOM BONDING BACKBONE SYSTEM. USE #2/0 AWG, UNLESS OTHERWISE NOTED.

H. MINIMUM GROUND ELECTRODE IS 3/4-INCH DIAMETER BY 8'-0" LONG BURIED 24-INCHES FOR A SUM OF 10'-0" DRIVEN DEPTH. ROD / ELECTRODE SHOULD HAVE A 1/2-INCH COPPER PLATING THICKNESS.

I. TEBC MUST BE SIZED TO LARGEST-SIZE GROUNDING CONDUCTOR. USE #2/0 AWG, UNLESS OTHERWISE NOTED.

J. USE IRREVERSIBLE COMPRESSION CONNECTORS TO BOND TEBC TO RBC'S OR OTHER GROUNDING CONDUCTORS.

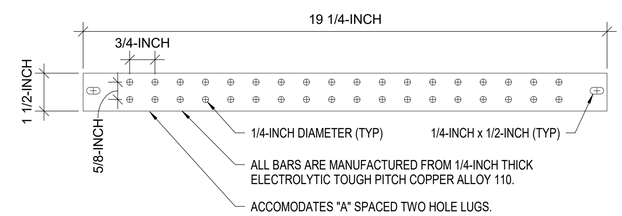
K. USE #6 AWG AS A MINIMUM RBC SIZE, UNLESS OTHERWISE NOTED.

L. WHEN USING RBBS, USE LISTED RBBS SIZED TO ANSI / TIA-607-D 6.2.3.

M. BOND EQUIPMENT TO TEBC VIA IRREVERSIBLE COMPRESSION CONNECTORS AND #6 AWG.

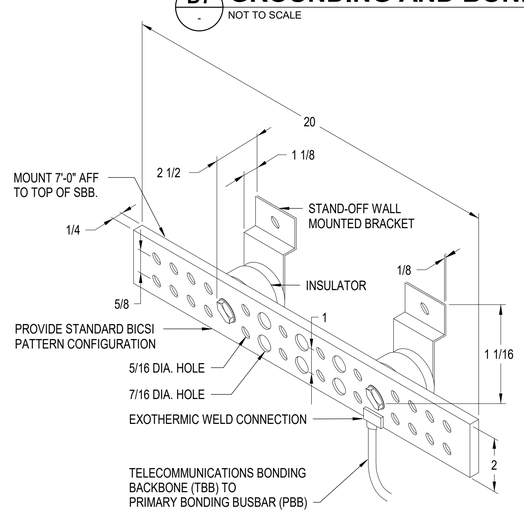
N. BOND GROUND CABLE TO GROUND ELECTRODE.

O. STAND-OFF BRACKET TO MAINTAIN SEPARATION (MINIMUM 2-INCHES) FROM OTHER CABLE SPACE BRACKETS NO GREATER THAN 36-INCHES CENTER TO CENTER.



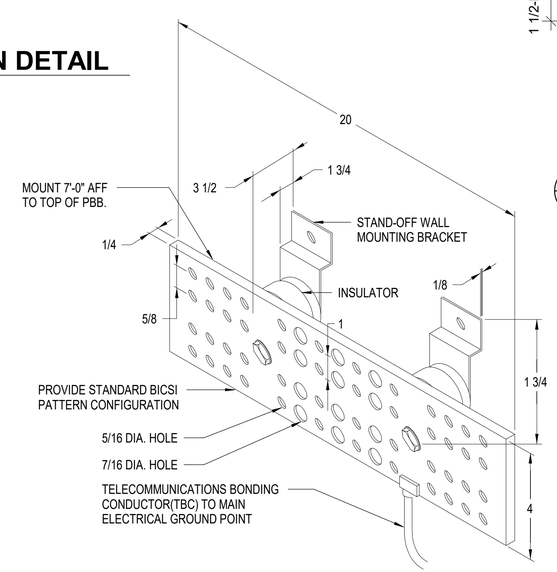
C3 RACK BONDING BUSBAR (RBB) DETAIL

NOT TO SCALE



A8 SECONDARY BONDING BUSBAR (SBB) DETAIL

NOT TO SCALE



A6 PRIMARY BONDING BUSBAR (PBB) DETAIL

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WARRENTON ADMINISTRATIVE BUILDING

GROUNDING AND BONDING DETAILS

WARRENTON — DCCA ADM — VA

Jacobs

DCCA ADM
WARRENTON, VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY S. HANSBERRY
DRAWN BY C. TINKER
CHECKED BY J. HIMES

ISSUED BY: ENGINEERING SERVICES TERMINAL

DATE 01/21/2022 JCN: 21001763

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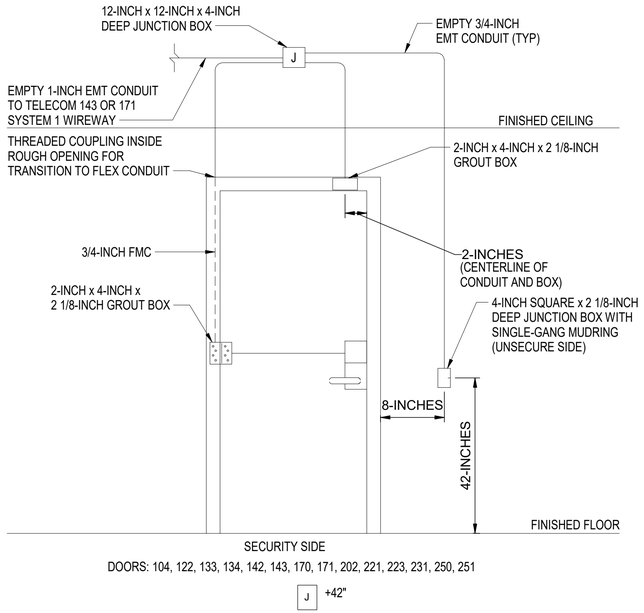
GENERAL NOTES

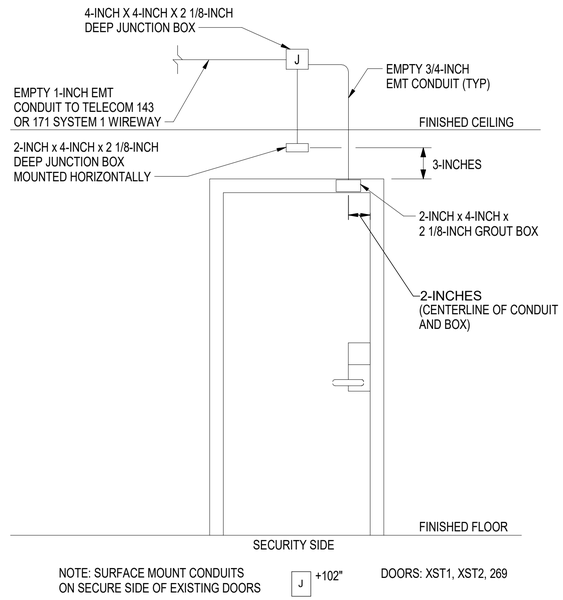
1. MARK ALL SYSTEM 1 EXPOSED OR ABOVE ACCESSIBLE CEILING CONDUITS AND BOXES WITH ORANGE PAINT OR TAPE ON 10 FOOT CENTERS.
2. PROVIDE TAMPER PROOF SCREWS FOR ALL SYSTEM 1 BOXES.



DOORS: 104, 122, 133, 134, 142, 143, 170, 171, 202, 221, 223, 231, 250, 251

E8 SYSTEM 1 SINGLE DOOR - SECURE

NOT TO SCALE

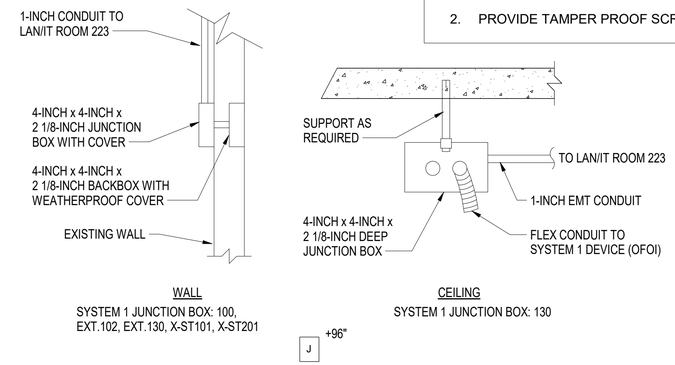


NOTE: SURFACE MOUNT CONDUITS ON SECURE SIDE OF EXISTING DOORS

DOORS: XST1, XST2, 269

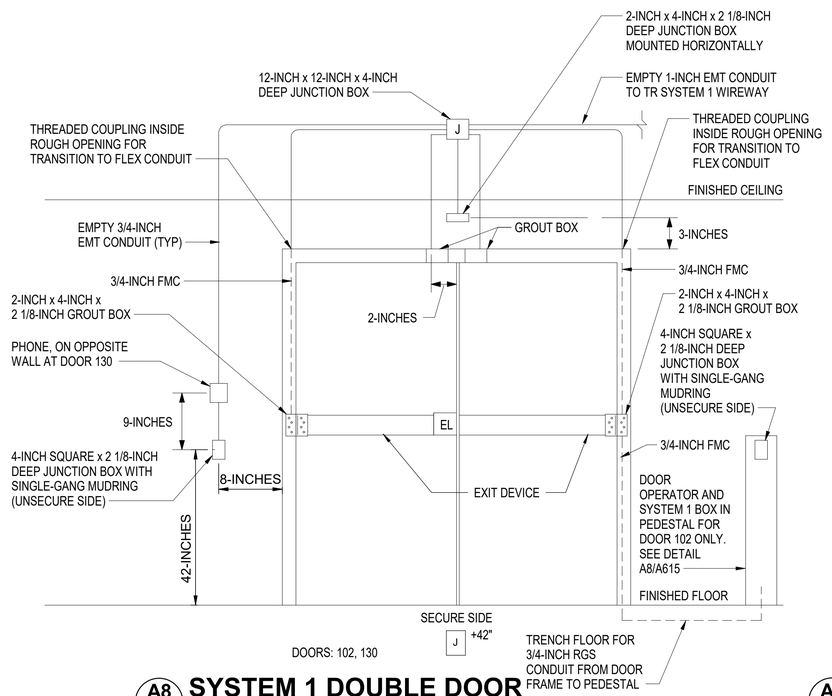
E5 SYSTEM 1 SINGLE DOOR

NOT TO SCALE



F3 SYSTEM 1 JUNCTION BOX

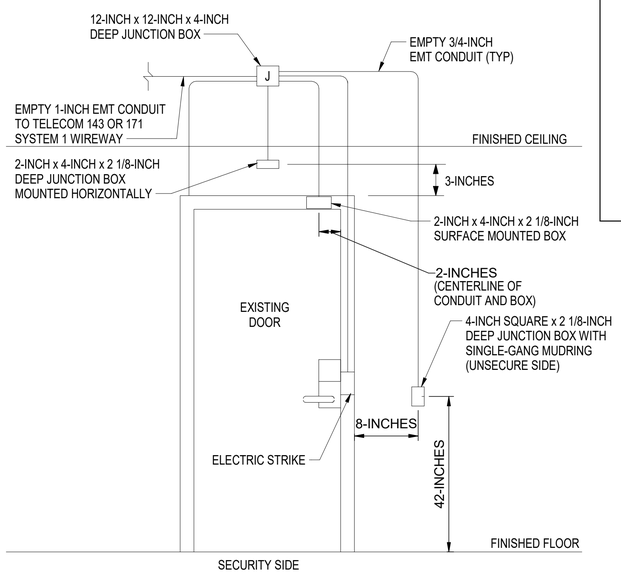
NOT TO SCALE



DOORS: 102, 130

A8 SYSTEM 1 DOUBLE DOOR

NOT TO SCALE

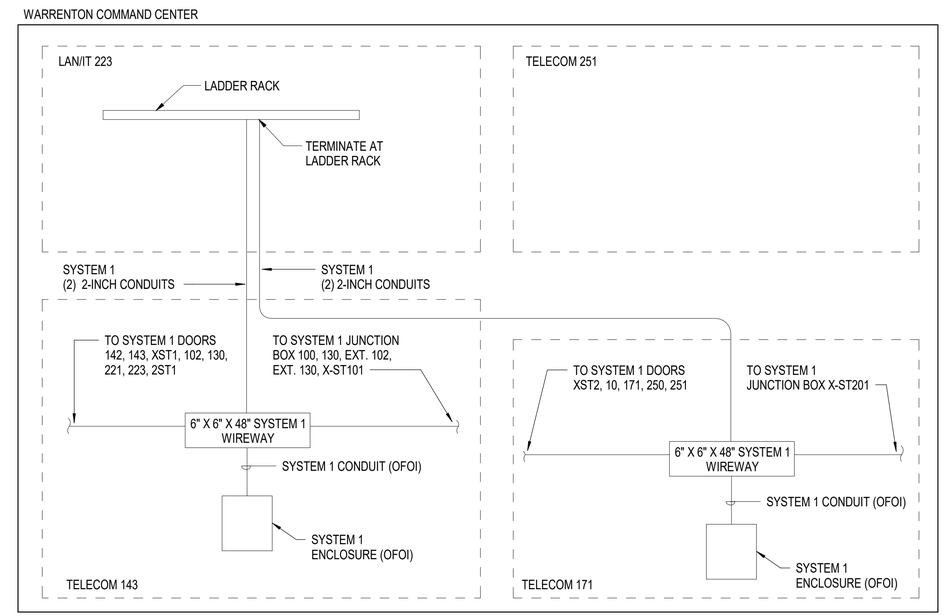


NOTE: SURFACE MOUNT CONDUITS ON SECURE SIDE OF EXISTING DOORS

DOORS: X131, X132

A5 SYSTEM 1 EXISTING SINGLE DOOR - SECURE

NOT TO SCALE



C3 SYSTEM 1 ONE-LINE DIAGRAM

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WARRENTON ADMINISTRATIVE BUILDING

SYSTEM 1 DETAILS AND DIAGRAM

WARRENTON — DCCA ADM — VA

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	DESIGNED BY S. HANSBERRY	ISSUED BY ENGINEERING SERVICES TERMINAL
	DRAWN BY C. TINKER	DATE 01/21/2022 — JCN: 21001763
	CHECKED BY J. HIMES	DRAWING NO. DCCA - D - ADM - T604 — REV.

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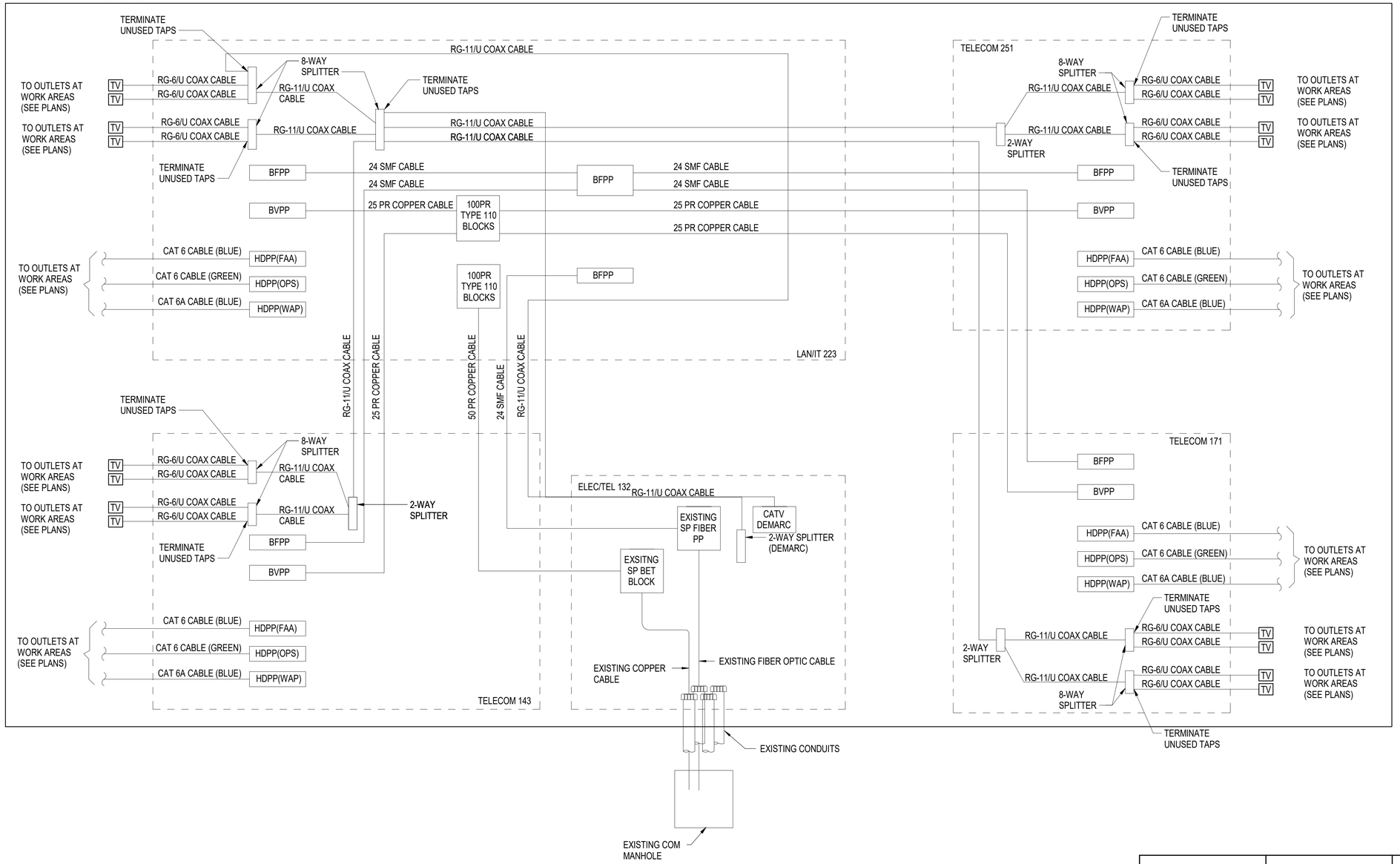
WARRENTON COMMAND CENTER



B8 VOICE, DATA AND CATV ONE-LINE DIAGRAM
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WARRENTON ADMINISTRATIVE BUILDING

VOICE AND DATA ONE-LINE DIAGRAM

WARRENTON — DCCA ADM — VA

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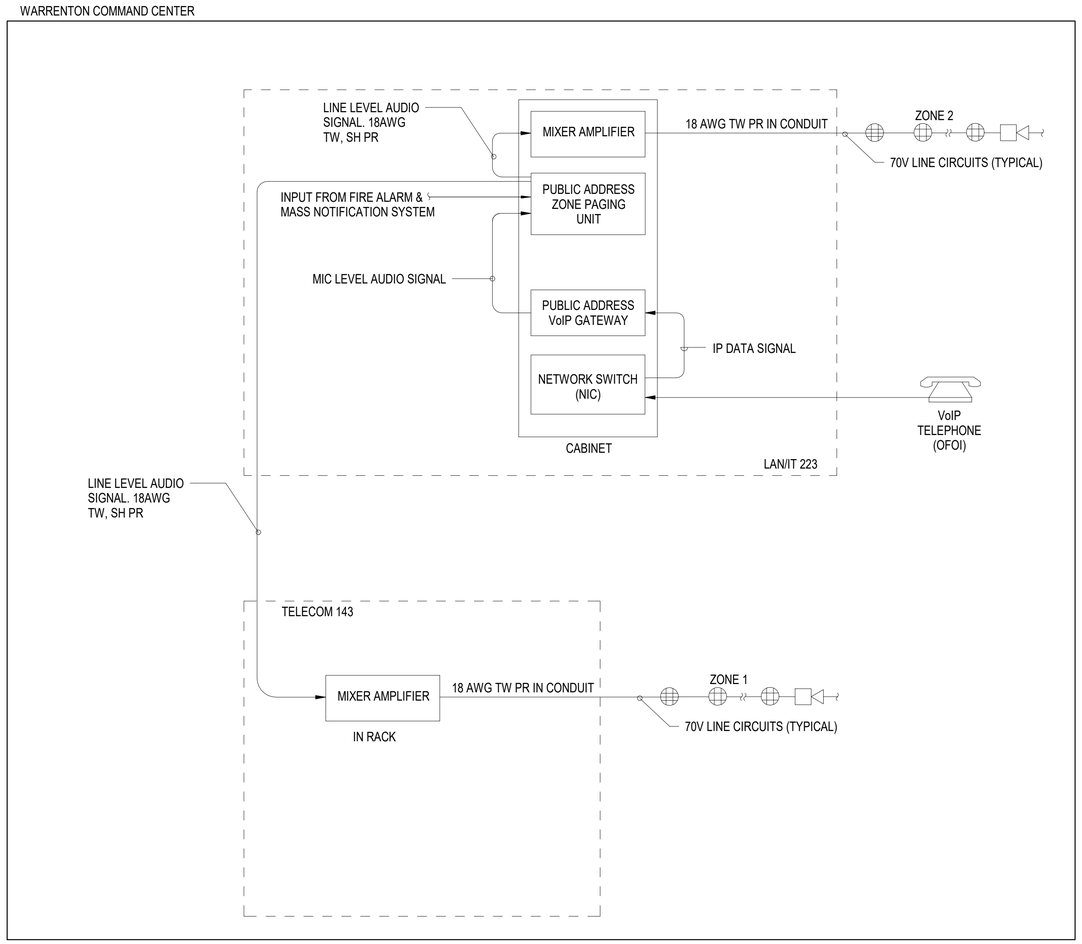
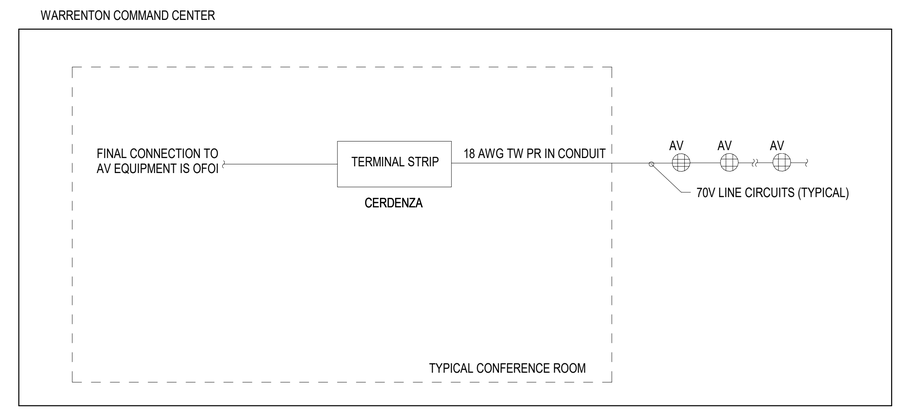


C8 - NTS

PUBLIC ADDRESS ONE-LINE DIAGRAM



C4 - NTS

SOUND REINFORCEMENT SYSTEM (SRS) ONE-LINE DIAGRAM

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WARRENTON ADMINISTRATIVE BUILDING

PA AND SRS ONE-LINE DIAGRAM

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AUDIO VISUAL SYMBOLS

WALL MOUNTED	CEILING MOUNTED	FLOOR/TABLE MOUNTED	
		S	SPEAKER
MIC	MIC	MIC	MICROPHONE
CAM	CAM		CAMERA FOR AV
DTX		DTX T	T=TABLE, F=FLOOR HDBT TRANSMITTER
TP		TP T	T=TABLE, C=CREDENZA TOUCH PANEL
AV2			DATA RECEPTACLE
J	J	J	AV JUNCTION BOX
TV1 TV	TV	TV	TV1 = MONITOR TYPE DISPLAY MONITOR
KP			BUTTON KEYPAD
		AV C	C=CREDENZA AV EQUIPMENT CABINET

ABBREVIATIONS & ACRONYMS

ABBREVIATION & ACRONYM	DESCRIPTION
AC	ALTERNATING CURRENT
ADD	ADDENDUM
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
AV	AUDIO VISUAL
BFC	BELOW FINISHED CEILING
BTM	BOTTOM
C	CONDUIT
CL	CENTERLINE
CLG	CEILING
CONF	CONFERENE
D	DATA
DB	DECIBEL
DC	DIRECT CURRENT
DIA	DIAMETER
DIM	DIMENSION
DR	DOOR
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL
ELEV	ELEVATION
ENC	ENCLOSURE
ER	EQUIPMENT RACK
EQ	EQUAL
EQUIP	EQUIPMENT
EXG	EXISTING
EXT	EXTERIOR
FB	FLOOR BOX
FLR	FLOOR
FO	FINISH OPENING
FUT	FUTURE
GC	GENERAL CONTRACTOR
HD	HIGH-DEFINITION
HOR	HORIZONTAL
HT	HEIGHT
INCL	INCLUDED
INT	INTERIOR
IR	INFRARED
J	JUNCTION BOX
LBL	LABEL

ABBREVIATION & ACRONYM	DESCRIPTION
LVC	LOW VOLTAGE CONTROLLER
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MULL	MULLION
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFE	OWNER FURNISHED EQUIPMENT
OHG	OVERHEAD
PED	PEDESTAL
POTS	PLAIN OLD TELEPHONE SERVICE
PSTN	PUBLIC SWITCHED TELEPHONE NETWORK
PT	POKE-THRU
REF	REFERENCE
REV	REVISION
RF	RADIO FREQUENCY
RM	ROOM
RO	ROUGH OPENING
SCH	SCHEDULE
SEC	SECTION
SIM	SIMILAR
SPEC	SPECIFICATION
S	LOUDSPEAKER
STD	STANDARD
SUS	SUSPENDED
SW	SWITCH
SYS	SYSTEM
TD	THROW DISTANCE
TEL	TELEPHONE
TEL/COM	TELECOMMUNICATIONS
TV	TELEVISION
TYP	TYPICAL
V	VOLTS
VTC	VIDEO CONFERENCING
W	WATTS
W/O	WITHOUT

AUDIO VISUAL GENERAL NOTES

1. CABLE TO BE CONTINUOUS WITHOUT SPLICING, UNLESS OTHERWISE NOTED.
2. AUDIO VISUAL DEVICES TO BE ASSEMBLED AND INSTALLED IN ACCORDANCE TO MANUFACTURER INSTRUCTIONS.
3. MOUNTING HEIGHTS FOR CEILING MOUNTED DEVICES ARE TO THE BOTTOM OF THE DEVICE, UNLESS OTHERWISE NOTED.
4. MOUNTING HEIGHTS ABOVE FINISHED FLOOR, TO CENTERLINE OF DEVICE, ARE AS FOLLOWS, UNLESS OTHERWISE NOTED:

CAMERAS	80-INCHES
HDBT TRANSMITTERS	18-INCHES
AV2 OUTLETS	PER ELEVATION
BUTTON KEYPAD	48-INCHES
MONITOR DISPLAY	PER ELEVATION

ELECTRICAL NOTES

1. ALL TELEPHONE, NETWORK, AND ELECTRICAL FACILITY REQUIREMENTS INDICATED ON THESE DRAWINGS ARE FOR COORDINATION PURPOSES ONLY.
2. ALL ELECTRICAL REQUIREMENTS INDICATED ON THESE DRAWINGS ARE FOR AUDIO VISUAL PURPOSES ONLY.
3. REFER TO ELECTRICAL DRAWINGS FOR ALL POWER CIRCUITRY.
4. ALL FLOOR BOXES/POKE-THRU'S TO BE FIELD VERIFIED PRIOR TO INSTALLATION.
5. COORDINATE FINAL LOCATION OF AUDIO VISUAL JUNCTION BOXES WITH WALL TREATMENTS AND SURFACES.

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WARRENTON ADMINISTRATIVE BUILDING

AUDIO VISUAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES

WARRENTON — DCCA ADM — VA

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DRAWN BY C. TINKER
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CONDUIT GUIDELINES

THIS SECTION DEFINES THE DIFFERENT LEVELS AND TYPE OF AUDIO AND VIDEO SIGNALS THAT WILL BE A PART OF THE COMPLETE SOUND, COMMUNICATIONS, AND VIDEO SYSTEM. IT IS IMPORTANT THAT EACH GROUP BE INSTALLED IN CONDUIT DISCREET FROM OTHER GROUP LEVELS. COMMON JUNCTION BOXES/WIRE RACEWAYS THAT COMBINE DIFFERENT CABLES SHALL NOT BE USED. ANY WIRING THAT IS CLASSIFIED WITHIN A GROUP CAN BE COMBINED IN A CONDUIT CARRYING OTHER WIRING THAT IS IN THE SAME GROUP. WHEN A COMBINATION PANEL IS SPECIFIED THE CONDUITS WILL ENTER INTO THE BOX WITH THE INTENT OF MAINTAINING THE SEPARATION AS MUCH AS POSSIBLE. IN BRINGING THE CONDUITS INTO THE BOX THE METAL WALLS OF THE BOX WILL SUPPLY SOME ADDITIONAL SHIELDING. THE DIFFERENT LEVELS OF AUDIO AND VIDEO SIGNALS ARE DEFINED AS FOLLOWS:

GROUP A - MICROPHONE LEVEL WIRING (0 TO .01V)

GROUP B - LINE LEVEL WIRING (.01V TO 10V)

GROUP C - LOUDSPEAKER AND CONTROL WIRING (10V TO 70V)

GROUP D - TELEPHONE, VIDEO, CONTROL, AND DIGITAL SYSTEMS

GROUP E - FIBER OPTIC AND DIELECTRIC SIGNAL WIRING

SEPARATION DISTANCES

	GROUP A	GROUP B	CROUP C	GROUP D	CROUP E
GROUP A	ADJACENT	6"	12"	12"	ADJACENT
GROUP B	6"	ADJACENT	12"	6"	ADJACENT
GROUP C	12"	12"	ADJACENT	6"	ADJACENT
GROUP D	12"	6"	6"	ADJACENT	ADJACENT
GROUP E	ADJACENT	ADJACENT	ADJACENT	ADJACENT	ADJACENT
DIMMER CONTROLLED LIGHTING	24"	12"	6"	12"	ADJACENT
SCR CONTROLLED DEVICES	36"	12"	6"	6"	ADJACENT
480V OR 208V FEEDER CIRCUITS	72"	72"	60"	72"	12"
120V OR 208V BRANCH CIRCUITS	48"	48"	36"	48"	12"
ALL OTHERS (PLUMBING, HEAT, ETC)	12"	12"	12"	12"	12"

1	REFER TO ABOVE TABLE FOR ALL SEPARATION DISTANCES. ALL UNDER SLAB CONDUIT MUST BE SPECIFIED AS RIGID GALVANIZED STEEL CONDUIT (SEE ITEM #10). ALL CONDUIT MUST BE EMT.
2	ALL CONTINUOUS CONDUIT MUST NOT EXCEED 180 DEGREES OF TOTAL BEND WITHOUT AN ACCESSIBLE PULL BOX AFTER EACH 180 DEGREES OF CUMULATIVE BEND ALONG THE TOTAL CONDUIT RUN.
3	THERE ARE MINIMUM CONDUIT SEPARATIONS THAT MUST BE MAINTAINED BETWEEN CONDUITS CARRYING WIRE OF DIFFERENT GROUPS. IT IS IMPORTANT TO NOTE THAT WHILE DIFFERENT SIGNALS MAY EXIST ON A WALL PANEL, IT IS NOT APPROPRIATE TO RUN MORE THAN ONE GROUP IN A SINGLE CONDUIT. REFER TO T-001 GENERAL NOTES FOR CLASSIFIED CABLING SEPARATION REQUIREMENTS.
4	IT WILL BE NECESSARY AT TIMES FOR CONDUITS OF DIFFERENT GROUPS TO CROSS IN CLOSE PROXIMITY. THE CONDUIT PATHS MUST BE DESIGNED TO CROSS AT 90 DEGREES TO EACH OTHER.
5	THE CONDUIT PATHS OF THE SOUND, COMMUNICATION, AND VIDEO SYSTEMS MUST NOT BE ROUTED NEAR POWER TRANSFORMERS, SCR DIMMERS, POWER CONTROL EQUIPMENT, HEAVY CURRENT SWITCHGEAR, FLUORESCENT BALLAST, MOTORS, OR ANY EQUIPMENT THAT MAY BE A SOURCE OF INTERFERENCE.
6	THE MINIMUM CONDUIT SIZE TO BE 1", THE CONDUIT TO BE SIZED FOR 40% FILL OR LESS IF REQUIRED BY PREVAILING CODE. THE DESIGN SHALL REQUIRE PULL LINES TO BE LEFT IN ALL CONDUITS BY THE ELECTRICAL CONTRACTOR. THE CONDUIT DESIGN TO INCORPORATE ADDITIONAL PULL BOXES TO MATCH THE PULL TENSIONS OF THE WIRING TO BE INSTALLED. THE ELECTRICAL CONTRACTOR TO DETERMINE FROM THE CABLE SPECIFICATIONS THE APPROPRIATE PULL TENSIONS AND LUBRICANT TO ENSURE THAT THE CABLE INSULATION WILL NOT BE ABRADED OR CUT DURING INSTALLATION.
7	IN A SITUATION WHERE THERE WILL EXIST A HEAVY CURRENT DEMAND IN ADJACENT CONDUITS, OR WHERE THERE WILL BE LONG PARALLEL RUNS, THERE WILL NEED TO BE ADDITIONAL SEPARATION BETWEEN THOSE CONDUITS AND THE SOUND, COMMUNICATION, AND VIDEO CONDUITS.
8	SIGNAL CONDUITS MUST BE MECHANICALLY AND ELECTRICALLY CONNECTED TO THE RECEPTACLE BOXES. THESE CONDUITS AND BOXES MUST CONNECT TO THE BUILDING SAFETY GROUNDING SYSTEM.
9	ALL SYSTEMS WIRING MUST BE IN CONDUIT UNLESS AUTHORIZED BY THE PROJECT ARCHITECT AND APPROVED BY THE SOUND, COMMUNICATION, AND VIDEO DESIGNER.
10	THE USE OF PVC CONDUIT IS PROHIBITED. ALL UNDER SLAB CONDUIT MUST BE RIGID GALVANIZED STEEL AND COATED WITH A WATER PROOF SEAL. ALL ABOVE SLAB CONDUIT MUST BE EMT. UNLESS SPECIFIED OTHERWISE ADHERE TO THESE CONDUIT TYPES.
11	WHERE CONDUITS FOR THE SOUND, COMMUNICATION, AND VIDEO SYSTEM ENTER EQUIPMENT RACKS; THERE WILL BE A DIALECETRICALLY INSULATED GROUND JOINT UNION THAT WILL ISOLATE THE CONDUIT SYSTEM FROM THE CHASSIS OF THE RACK.
12	THE SOUND SYSTEM TECHNICAL GROUND IS BONDED TO THE METAL FRAME OF ALL EQUIPMENT RACKS AND THE UNINSULATED GROUND BUS BAR OR GROUNDING LUGS WILL BE BONDED TO ONE CENTRAL EQUIPMENT RACK LUG. THIS CENTRAL EQUIPMENT RACK GROUNDING LUG WILL BE THE ONLY CONNECTION TO THE SOUND SYSTEM TECHNICAL GROUND CONDUCTOR. THE GANGING OF RACKS TOGETHER WITH MECHANICAL FASTENERS IS NOT AN ACCEPTABLE METHOD OF BONDING THE SOUND SYSTEM TECHNICAL GROUND BETWEEN RACKS.
13	THE RACK FRAMES WILL BE INSULATED FROM THE FLOOR AND LOCATED TO PREVENT COMING INTO CONTACT WITH ANY SAFETY GROUNDED ITEMS DURING OPERATION.

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WARRENTON ADMINISTRATIVE BUILDING

AUDIO VISUAL CONDUIT GUIDELINES

WARRENTON — DCCA ADM — VA

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DRAWN BY C. TINKER
CHECKED BY Checker
ISSUED BY ENGINEERING SERVICES TERMINAL
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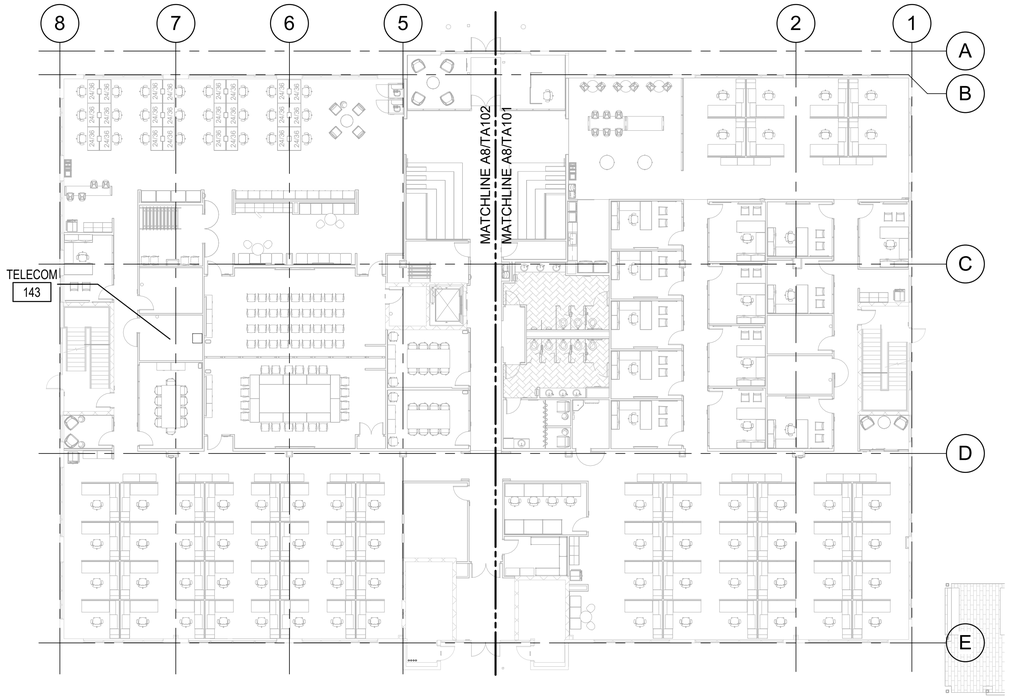
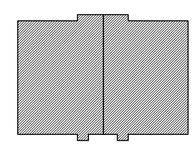


D8 FIRST FLOOR - OVERALL AUDIO VISUAL PLAN
1/16" = 1'-0"



PARTS PLAN

16 0 16 32
Scale: 1/16 INCH = 1 FOOT

N
KEY NORTH

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WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR OVERALL PLANS

WARRENTON — DCCA ADM — VA

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DRAWN BY C. TINKER
CHECKED BY Checker

ISSUED BY
ENGINEERING SERVICES TERMINAL

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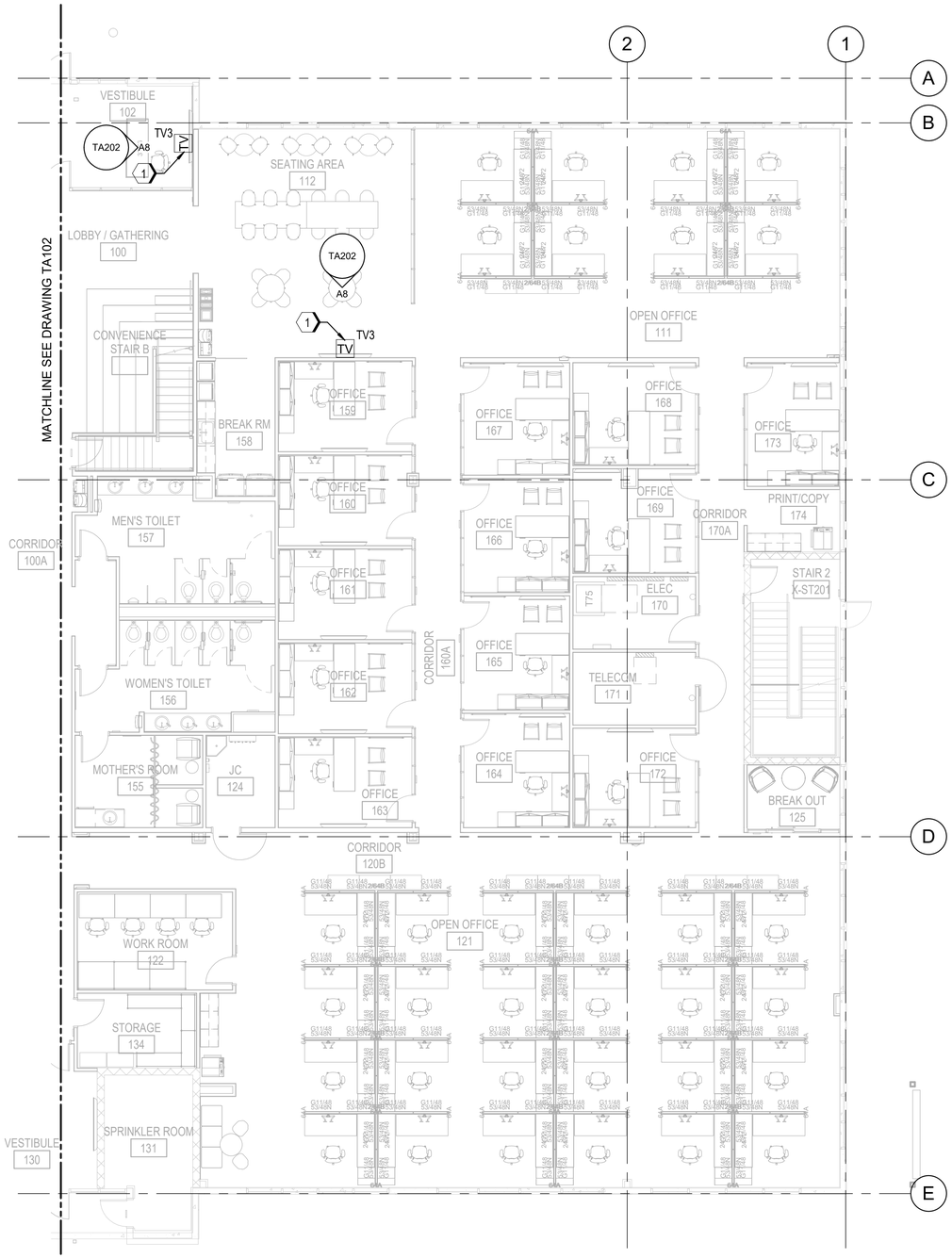
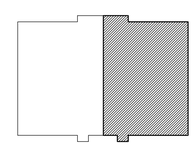


A8 FIRST FLOOR - AUDIO VISUAL PLAN - PART 1

1/8" = 1'-0"



PARTS PLAN

8 0 8 16

Scale: 1/8 INCH = 1 FOOT

N

KEY NORTH

KEYNOTES

1 75-INCH LARGE PULL OUT WALL MOUNT DISPLAY, REFER TO ELEVATION FOR ADDITIONAL INFORMATION.

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DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR - AUDIO VISUAL - PART 1

WARRENTON — DCCA ADM — VA

DCCA ADM
WARRENTON, VA

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DESIGNED BY: M. SMITH
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CHECKED BY: Checker

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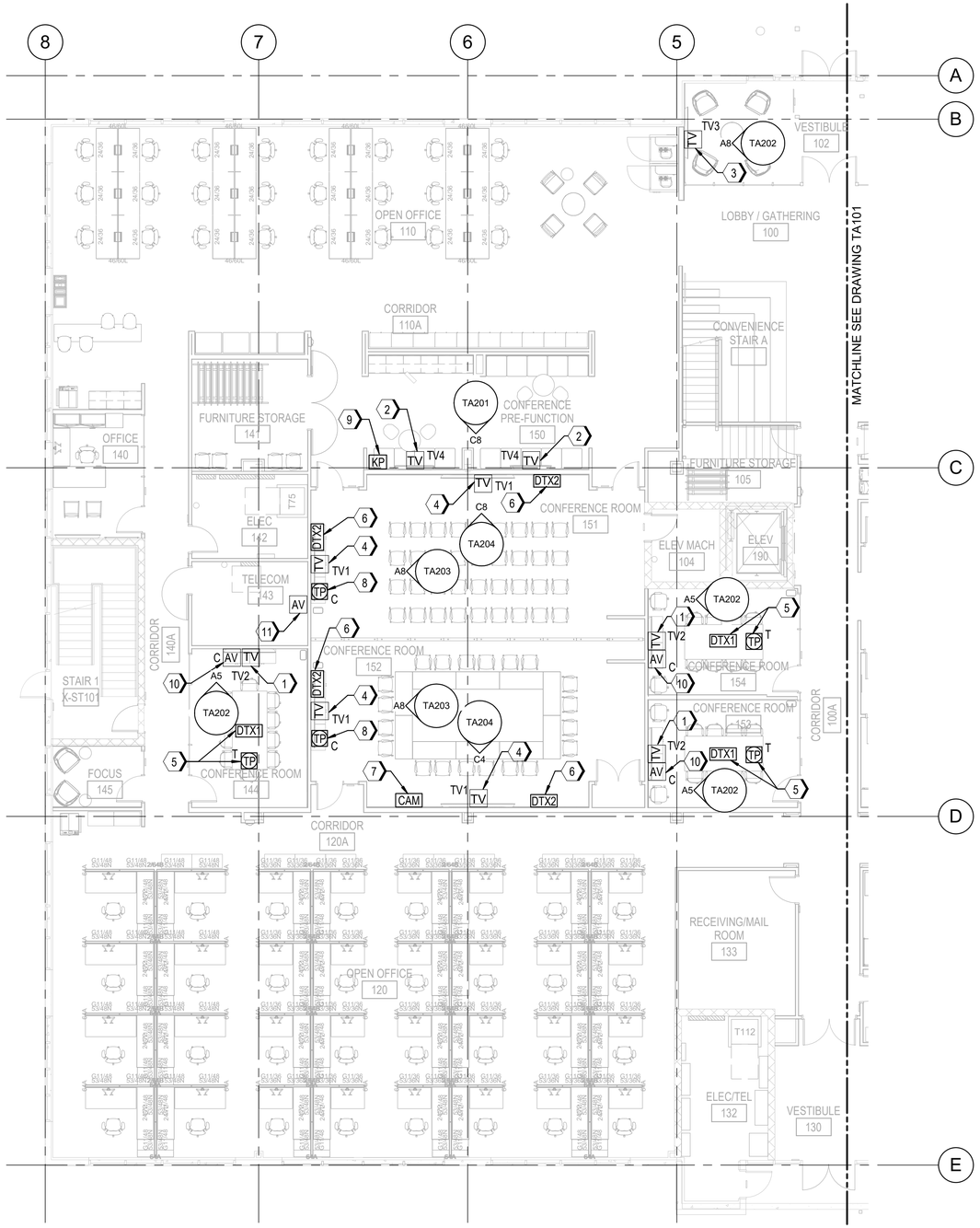
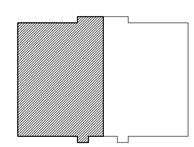


KEYNOTES

1. OWNER FURNISHED 75-INCH INTERACTIVE DISPLAY, CENTERED ON WALL, REFER TO ELEVATION FOR ADDITIONAL INFORMATION.
2. 55-INCH DISPLAY, REFER TO ELEVATION FOR ADDITIONAL INFORMATION.
3. 75-INCH DISPLAY, REFER TO ELEVATION FOR ADDITIONAL INFORMATION.
4. 110-INCH DISPLAY, REFER TO ELEVATION FOR ADDITIONAL INFORMATION.
5. MOUNTED IN COMBINATION FLOOR BOX, REFER TO COMMUNICATION DRAWINGS FOR FLOOR BOX, COORDINATE WITH COMMUNICATIONS FOR LOCATION.
6. HDBT TRANSMITTER, REFER TO ELEVATION FOR ADDITIONAL INFORMATION.
7. PTZ CONFERENCING CAMERA, REFER TO ELEVATION FOR ADDITIONAL INFORMATION.
8. TOUCH PANEL, REFER TO ELEVATION FOR ADDITIONAL INFORMATION.
9. KEYPAD, REFER TO ELEVATION FOR ADDITIONAL INFORMATION.
10. 12 RU AV EQUIPMENT (AVR2) MOUNTED IN CREDENZA, REFER TO ELEVATION D4/TA201 FOR ADDITIONAL INFORMATION.
11. AV EQUIPMENT CABINET (AVR1) WITH LOCKING DOORS, POWER DISTRIBUTION AND EXHAUST FANS, REFER TO ELEVATION D4/TA201 FOR ADDITIONAL INFORMATION.



PARTS PLAN

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

A8 FIRST FLOOR - AUDIO VISUAL PLAN - PART 2

1/8" = 1'-0"

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WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR - AUDIO VISUAL PLAN - PART 2

WARRENTON — DCCA ADM — VA

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DCCA ADM
WARRENTON, VA

DESIGNED BY S. YOST
DRAWN BY C. TINKER
CHECKED BY Checker

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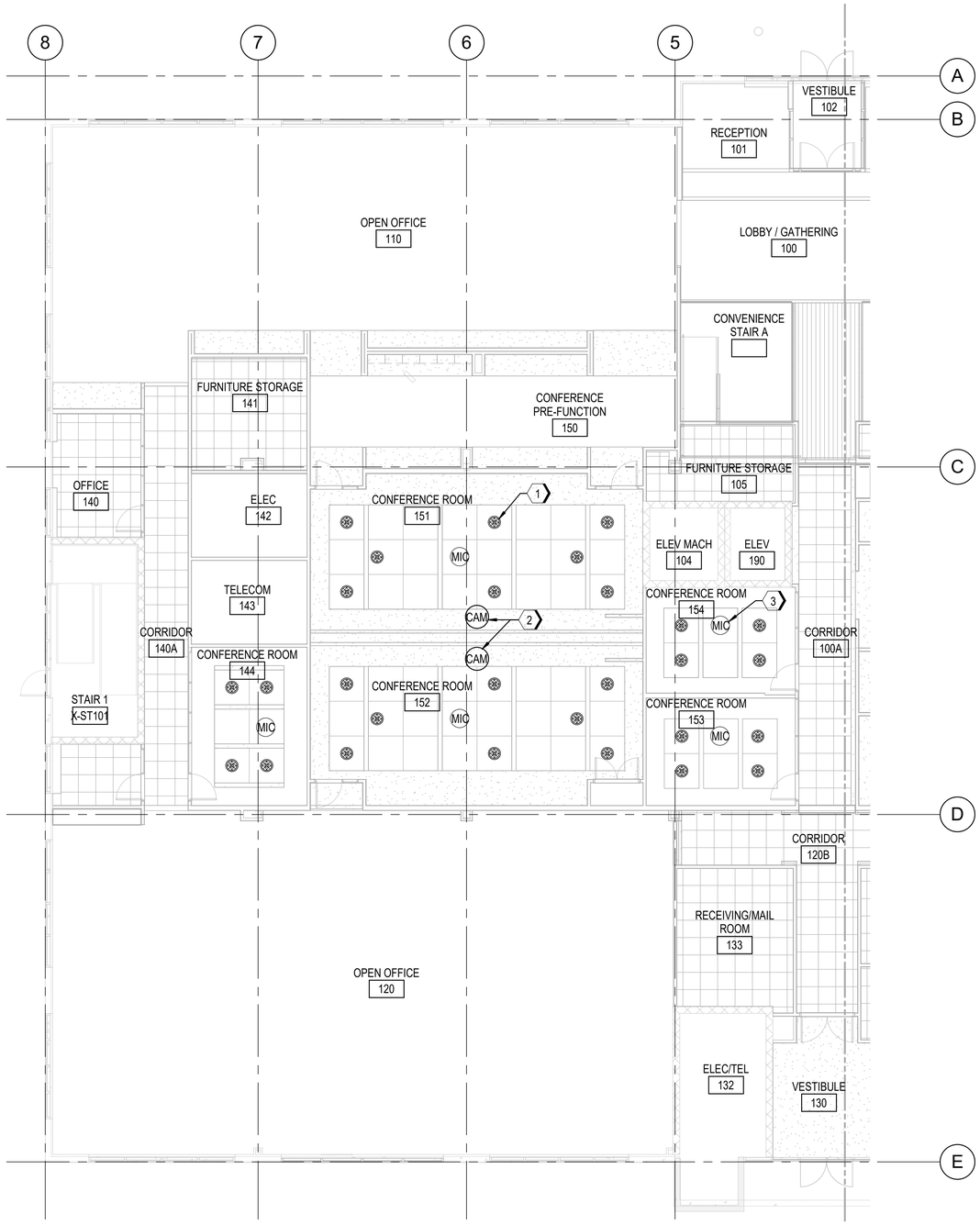
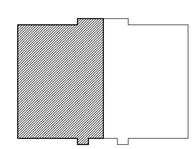


KEYNOTES

1. SPEAKER, CENTERED IN CEILING TILE, REFER TO SIGNAL FLOW DIAGRAM FOR TAP VALUES, TYPICAL.
2. PTZ CONFERENCING CAMERA WITH EXTENSION POLE MOUNT.
3. MICROPHONE ARRAY, CENTERED IN CEILING TILE, TYPICAL.



PARTS PLAN

8 0 8 16
Scale: 1/8 INCH = 1 FOOT

N
KEY NORTH

A1 FIRST FLOOR - AUDIO VISUAL CEILING PLAN - PART 2

1/8" = 1'-0"

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR - AUDIO VISUAL CEILING PLAN - PART 2

WARRENTON — DCCA ADM — VA

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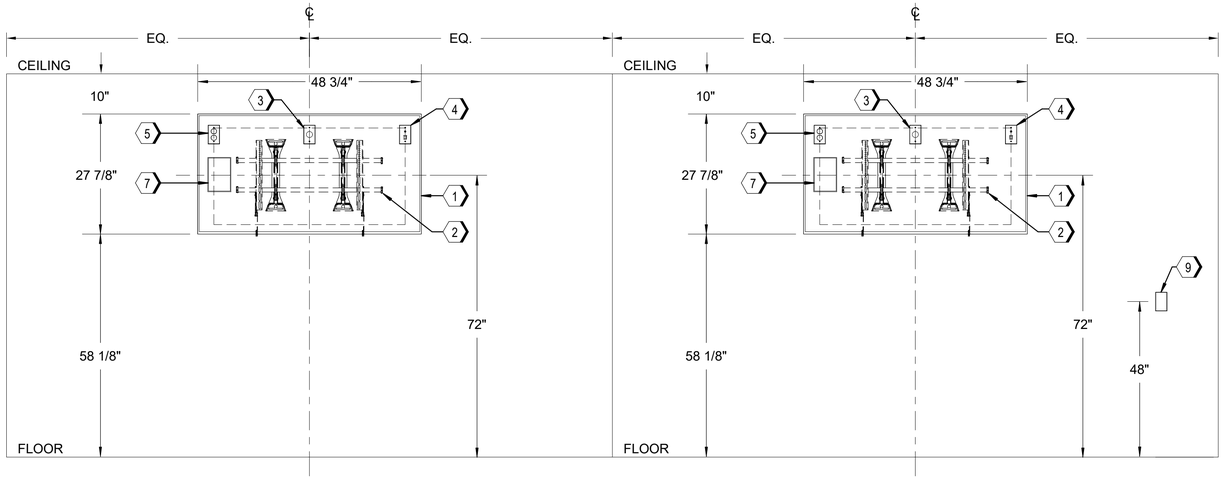
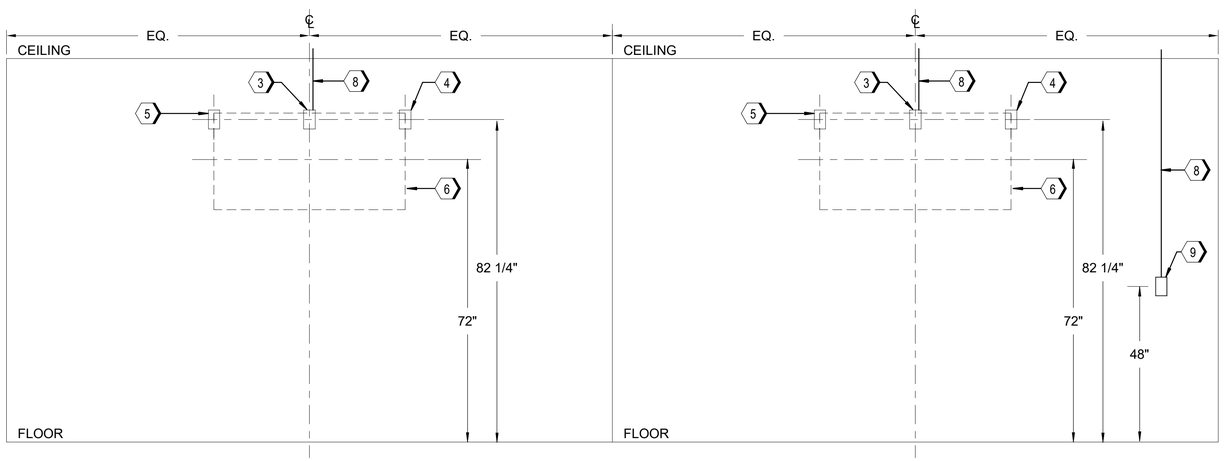


AV DEVICE ELEVATION

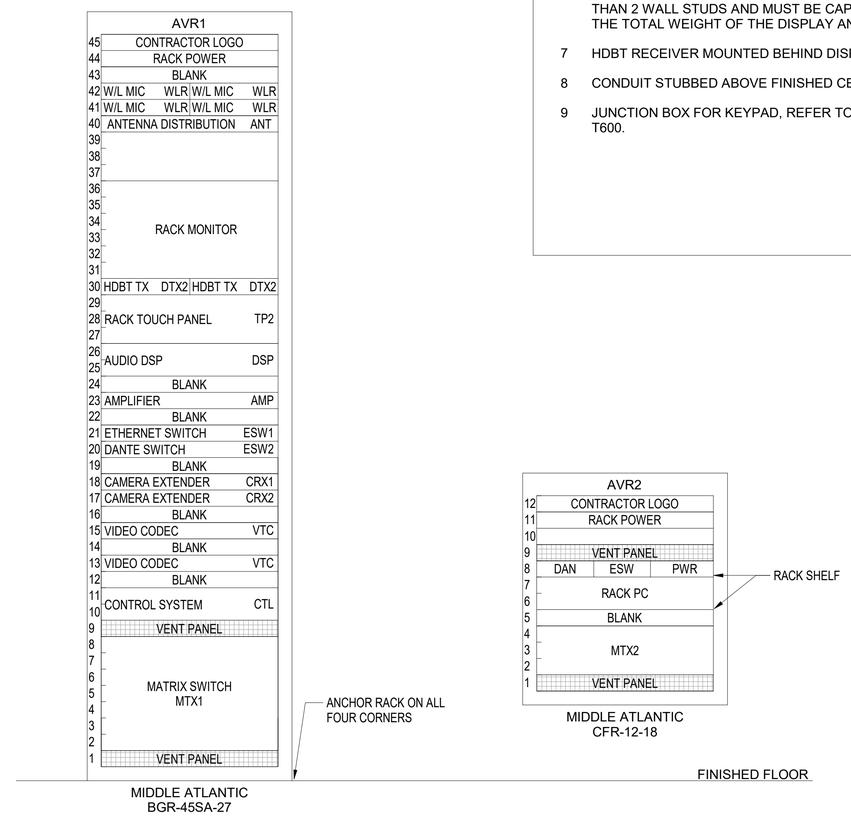


FACILITY REQUIREMENT ELEVATION

C8 PRE-FUNCTION AREA 150 - 55-INCH DISPLAY AV ELEVATION
NOT TO SCALE

KEYNOTES

1. 55-INCH FLAT PANEL DISPLAY. APPROXIMATE DISPLAY WEIGHT: 65 LBS. SHOWN FOR COORDINATION ONLY.
2. MEDIUM TILT WALL MOUNT. ASSUMED WEIGHT: 20 LBS.
3. JUNCTION BOX BEHIND DISPLAY FOR AV CABLES. REFER TO AV1 OUTLET DETAIL ON DRAWING T600.
4. DUPLEX RECEPTACLE, 120VAC, 20A (SHOWN FOR COORDINATION) BEHIND DISPLAY, COORDINATE WITH DIVISION 26.
5. DATA OUTLET (SHOWN FOR COORDINATION) BEHIND DISPLAY, COORDINATE WITH COMMUNICATIONS.
6. PROVIDE AND INSTALL BLOCKING WITHIN WALL SUPPORTED BY NO LESS THAN 2 WALL STUDS AND MUST BE CAPABLE OF SUPPORTING FIVE TIMES (5x) THE TOTAL WEIGHT OF THE DISPLAY AND WALL MOUNT.
7. HDBT RECEIVER MOUNTED BEHIND DISPLAY.
8. CONDUIT STUBBED ABOVE FINISHED CEILING.
9. JUNCTION BOX FOR KEYPAD, REFER TO AV1 OUTLET DETAIL ON DRAWING T600.



D4 AV RACK ELEVATIONS
NOT TO SCALE

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WARRENTON, VA

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EASTERN SERVICE AREA ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

AV ELEVATIONS

WARRENTON DCCA ADM VA

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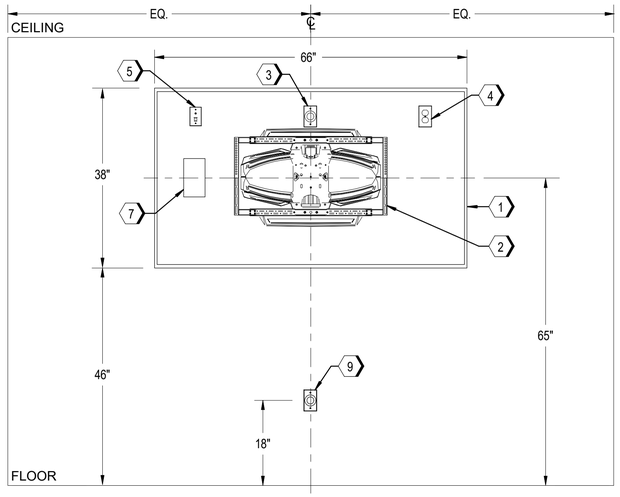
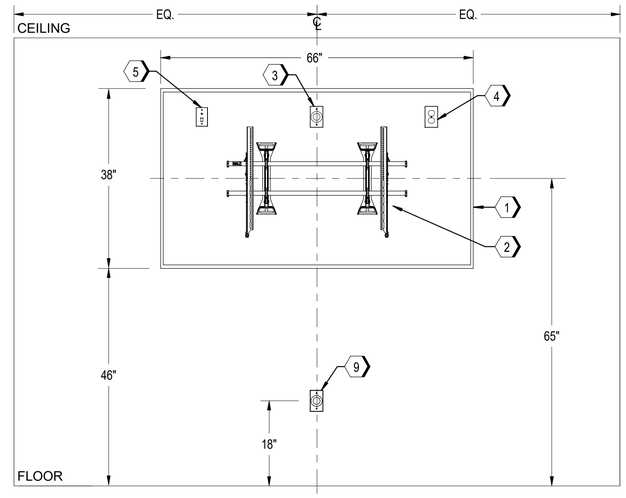
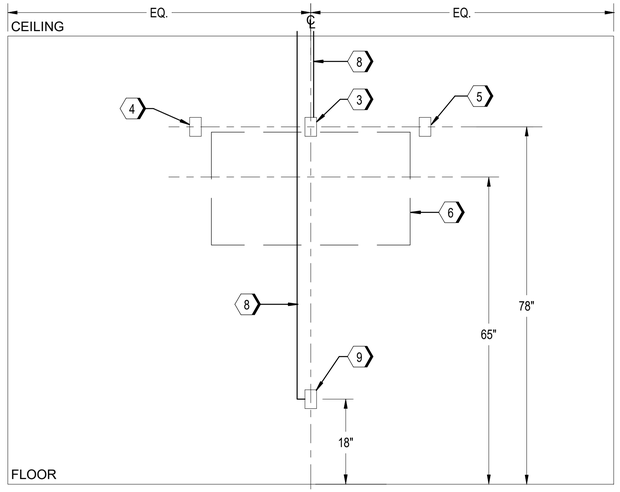


AV DEVICE ELEVATION

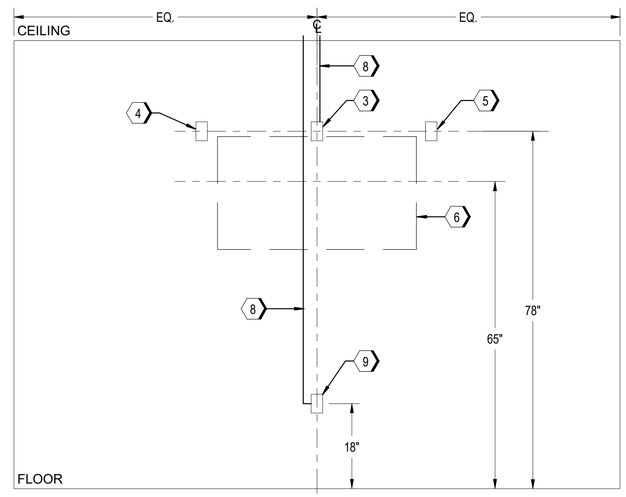


AV DEVICE ELEVATION



TYPICAL LAYOUT FOR RECEPTION 101, WAITING AREA 103 AND SEATING AREA 112

FACILITY REQUIREMENT ELEVATION



TYPICAL FOR CONFERENCE ROOMS 144, 153 AND 154

FACILITY REQUIREMENT ELEVATION

KEYNOTES

1. 75-INCH FLAT PANEL DISPLAY, CENTERED ON WALL.
2. WALL DISPLAY MOUNT.
3. JUNCTION BOX BEHIND DISPLAY FOR AV CABLES. REFER TO AV1 OUTLET DETAIL ON DRAWING T600.
4. DUPLEX RECEPTACLE, 120VAC, 20A (SHOWN FOR COORDINATION) BEHIND DISPLAY, COORDINATE WITH DIVISION 26.
5. DATA OUTLET (SHOWN FOR COORDINATION) BEHIND DISPLAY, COORDINATE WITH COMMUNICATIONS.
6. PROVIDE AND INSTALL BLOCKING WITHIN WALL SUPPORTED BY NO LESS THAN 2 WALL STUDS AND MUST BE CAPABLE OF SUPPORTING FIVE TIMES (5x) THE TOTAL WEIGHT OF THE DISPLAY AND WALL MOUNT.
7. HDBT RECEIVER MOUNTED BEHIND DISPLAY.
8. CONDUIT STUBBED ABOVE FINISHED CEILING.
9. JUNCTION BOX BELOW DISPLAY FOR AV CABLES, REFER TO AV1 OUTLET DETAIL ON DRAWING T600.

A8 75-INCH AV MONITOR ELEVATION
NOT TO SCALE

A5 75-INCH AV MONITOR ELEVATION - CONFERENCE ROOMS
NOT TO SCALE

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WARRENTON, VA

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

75-INCH DISPLAY - AV ROOM ELEVATIONS

WARRENTON — DCCA ADM — VA

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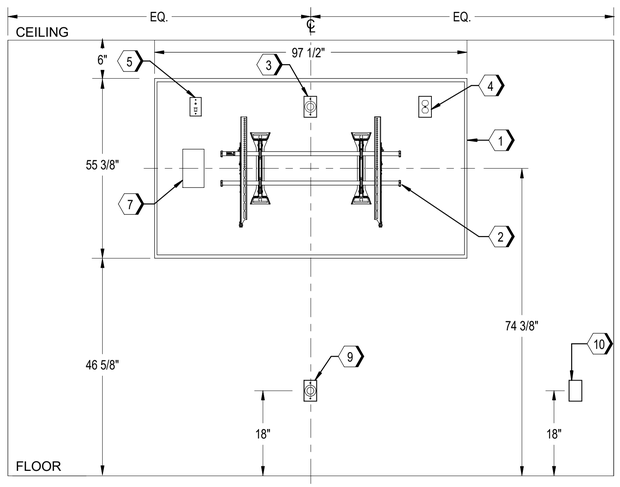
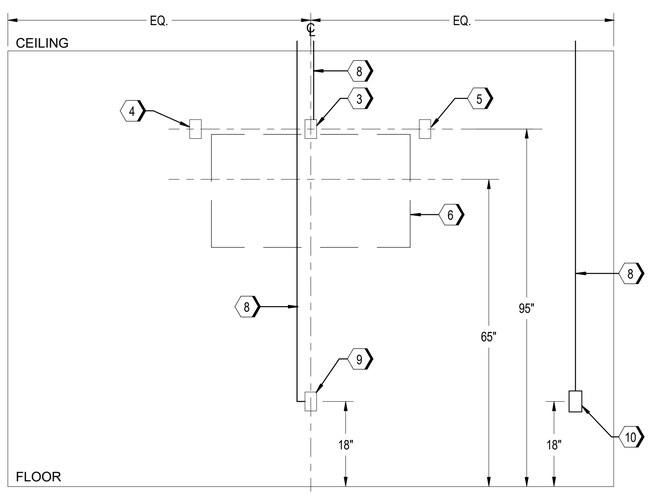
PLOT DATE/TIME: 3/10/2022 12:44:52 PM

KEYNOTES

1. 110-INCH FLAT PANEL DISPLAY, APPROXIMATE WEIGHT 245 LBS.
2. X-LARGE WALL DISPLAY MOUNT.
3. JUNCTION BOX BEHIND DISPLAY FOR AV CABLES. REFER TO AV1 OUTLET DETAIL ON DRAWING T600.
4. DUPLEX RECEPTACLE, 120VAC, 20A (SHOWN FOR COORDINATION) BEHIND DISPLAY, COORDINATE WITH DIVISION 26.
5. DATA OUTLET (SHOWN FOR COORDINATION) BEHIND DISPLAY, COORDINATE WITH COMMUNICATIONS.
6. PROVIDE AND INSTALL BLOCKING WITHIN WALL SUPPORTED BY NO LESS THAN 2 WALL STUDS AND MUST BE CAPABLE OF SUPPORTING FIVE TIMES (5x) THE TOTAL WEIGHT OF THE DISPLAY AND WALL MOUNT.
7. HDBT RECEIVER MOUNTED BEHIND DISPLAY.
8. CONDUIT STUBBED ABOVE FINISHED CEILING.
9. JUNCTION BOX BELOW DISPLAY FOR AV CABLES. REFER TO AV1 OUTLET DETAIL ON DRAWING T600.
10. JUNCTION BOX FOR HDBT TRANSMITTER. REFER TO AV1 OUTLET DETAIL ON DRAWING T600.



AV DEVICE ELEVATION



TYPICAL FOR CONFERENCE ROOMS 151 AND 152 - WEST WALL

FACILITY REQUIREMENT ELEVATION

A8 110-INCH AV MONITOR - CONFERENCE ROOMS WEST WALL ELEVATION
NOT TO SCALE

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WARRENTON ADMINISTRATIVE BUILDING

CONFERENCE ROOM AV ELEVATIONS

WARRENTON — DCCA ADM — VA

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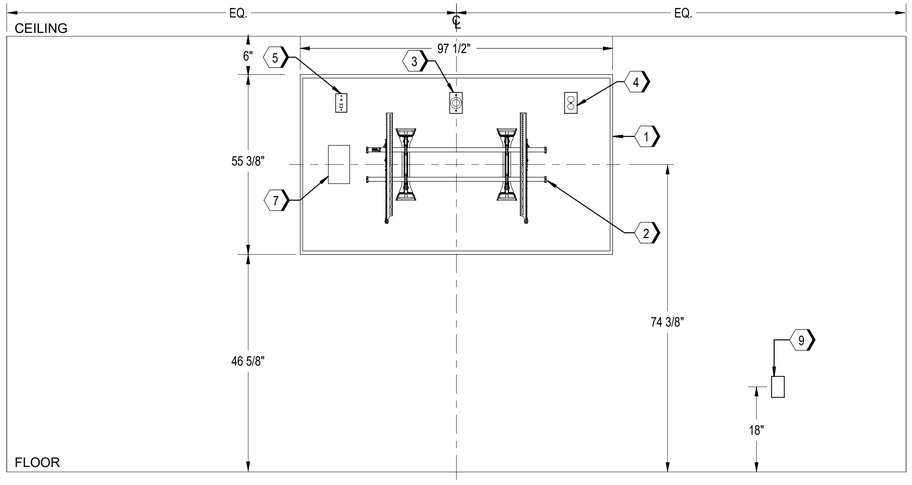

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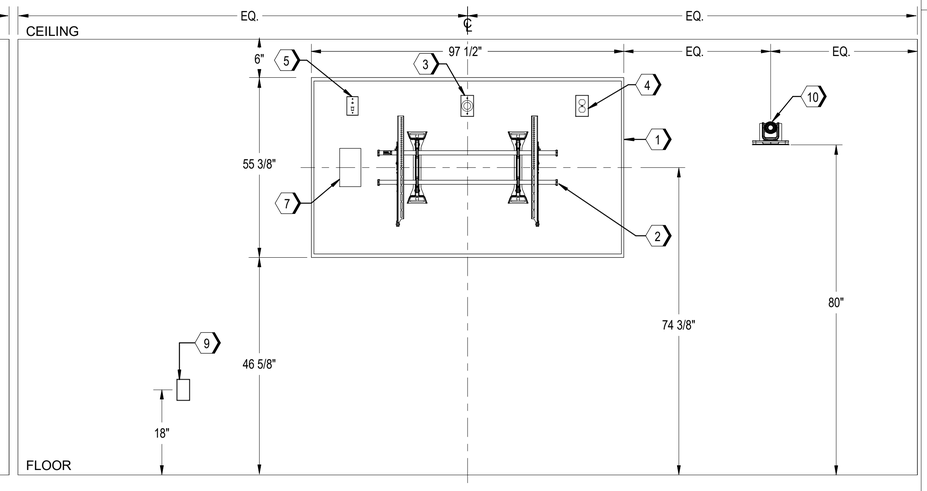

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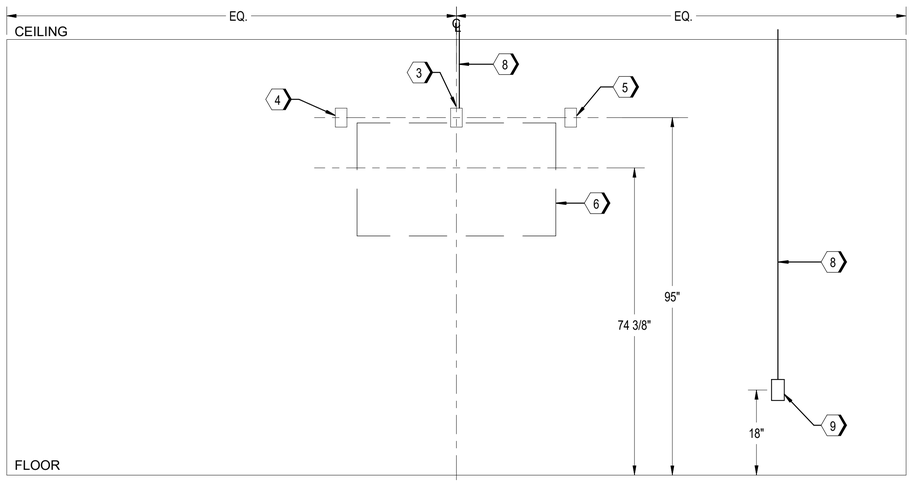
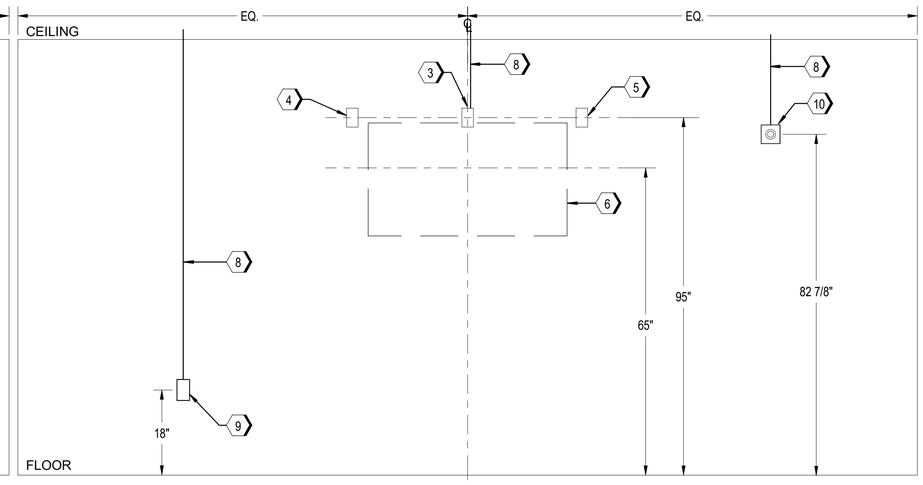


FACILITY REQUIREMENT ELEVATION



FACILITY REQUIREMENT ELEVATION

C8 110-INCH AV MONITOR - CONFERENCE ROOM 151 NORTH WALL ELEVATION
NOT TO SCALE

C4 110-INCH AV MONITOR - CONFERENCE ROOM 152 SOUTH WALL ELEVATION
NOT TO SCALE

KEYNOTES

1. 110-INCH FLAT PANEL DISPLAY, APPROXIMATE WEIGHT 245 LBS.
2. X-LARGE WALL DISPLAY MOUNT.
3. JUNCTION BOX BEHIND DISPLAY FOR AV CABLES. REFER TO AV1 OUTLET DETAIL ON DRAWING T600.
4. DUPLEX RECEPTACLE, 120VAC, 20A (SHOWN FOR COORDINATION) BEHIND DISPLAY, COORDINATE WITH DIVISION 26.
5. DATA OUTLET (SHOWN FOR COORDINATION) BEHIND DISPLAY, COORDINATE WITH COMMUNICATIONS.
6. PROVIDE AND INSTALL BLOCKING WITHIN WALL SUPPORTED BY NO LESS THAN 2 WALL STUDS AND MUST BE CAPABLE OF SUPPORTING FIVE TIMES (5x) THE TOTAL WEIGHT OF THE DISPLAY AND WALL MOUNT.
7. HDBT RECEIVER MOUNTED BEHIND DISPLAY.
8. CONDUIT STUBBED ABOVE FINISHED CEILING.
9. JUNCTION BOX FOR HDBT TRANSMITTER. REFER TO AV1 OUTLET DETAIL ON DRAWING T600.
10. JUNCTION BOX FOR CAMERA. REFER TO AV2 OUTLET DETAIL ON DRAWING T600.

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

110-INCH AV DISPLAY CONFERENCE ROOM ELEVATIONS

WARRENTON — DCCA ADM — VA

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DCCA ADM
WARRENTON, VA

DESIGNED BY M. SMITH
DRAWN BY C. TINKER
CHECKED BY Checker
ISSUED BY ENGINEERING SERVICES TERMINAL
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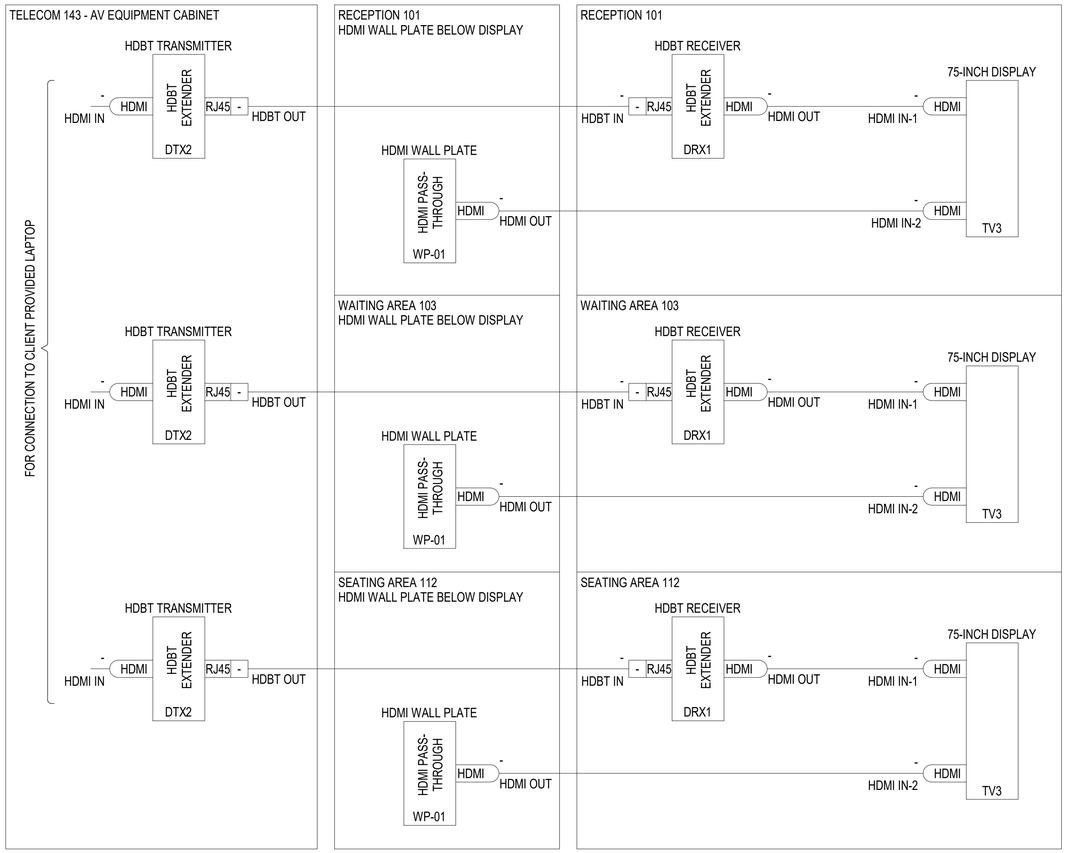

A8 AV FLOW DIAGRAM FOR RECEPTION 101, WAITING AREA 103 AND SEATING AREA 112

NOT TO SCALE

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

AV FLOW DIAGRAM FOR RECEPTION 101 AND WAITING AREA 103

WARRENTON — DCCA ADM — VA

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WARRENTON, VA

DESIGNED BY M. SMITH
DRAWN BY C. TINKER
CHECKED BY Checker

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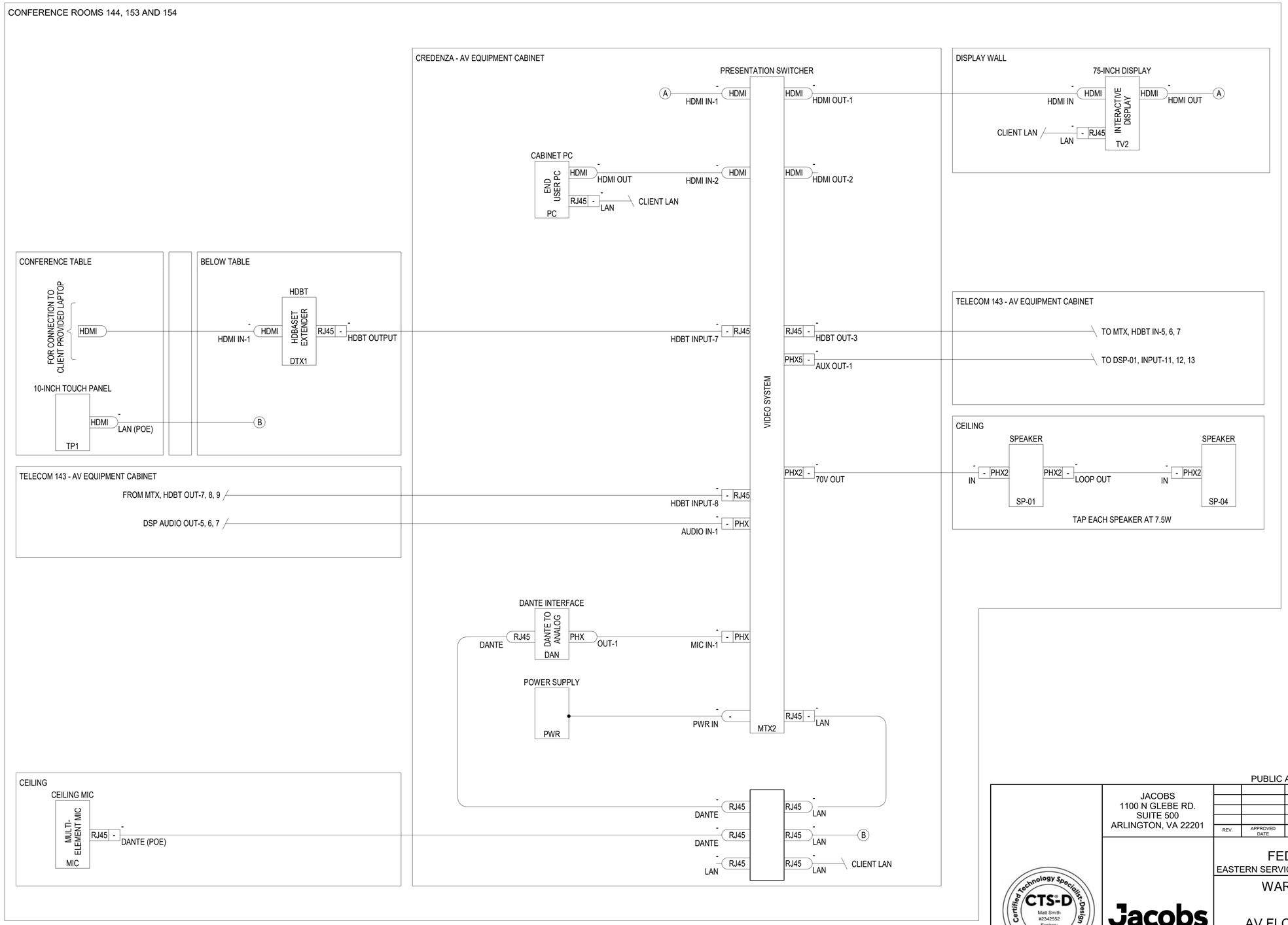

B8 AV FLOW DIAGRAM FOR 75-INCH DISPLAY CONFERENCE ROOMS
NOT TO SCALE

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Certified Technology Specialist-Design CTS-D Matt Smith #2342552 Expires: 2024/03/31

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DCCA ADM
WARRENTON, VA

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

AV FLOW DIAGRAM FOR 75-INCH DISPLAY IN CONFERENCE ROOMS

WARRENTON — DCCA ADM — VA

REVIEWED BY	SUBMITTED BY	APPROVED BY
	SUBMITTER'S TITLE	APPROVER'S TITLE

DESIGNED BY: M. SMITH
DRAWN BY: C. TINKER
CHECKED BY: Checker
ISSUED BY: ENGINEERING SERVICES TERMINAL
DATE: 01/21/2022
JCN: 21001763
DRAWING NO.: DCCA - D - ADM - TA801
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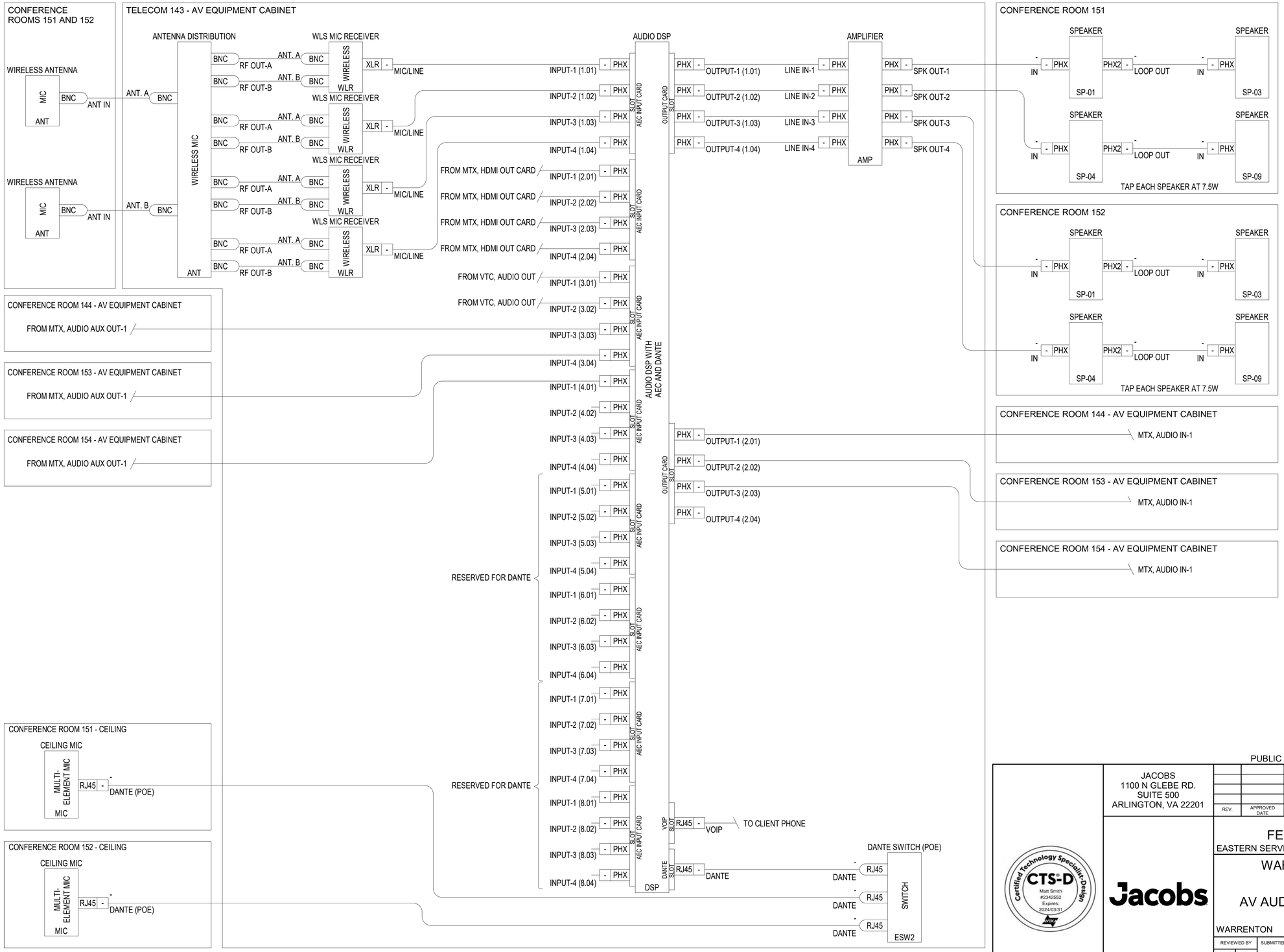

A8 AV AUDIO FLOW DIAGRAM FOR CONFERENCE ROOMS 151 AND 152
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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

AV AUDIO FLOW DIAGRAM FOR CONFERENCE ROOMS 151 AND 152

WARRENTON — DCCA ADM — VA

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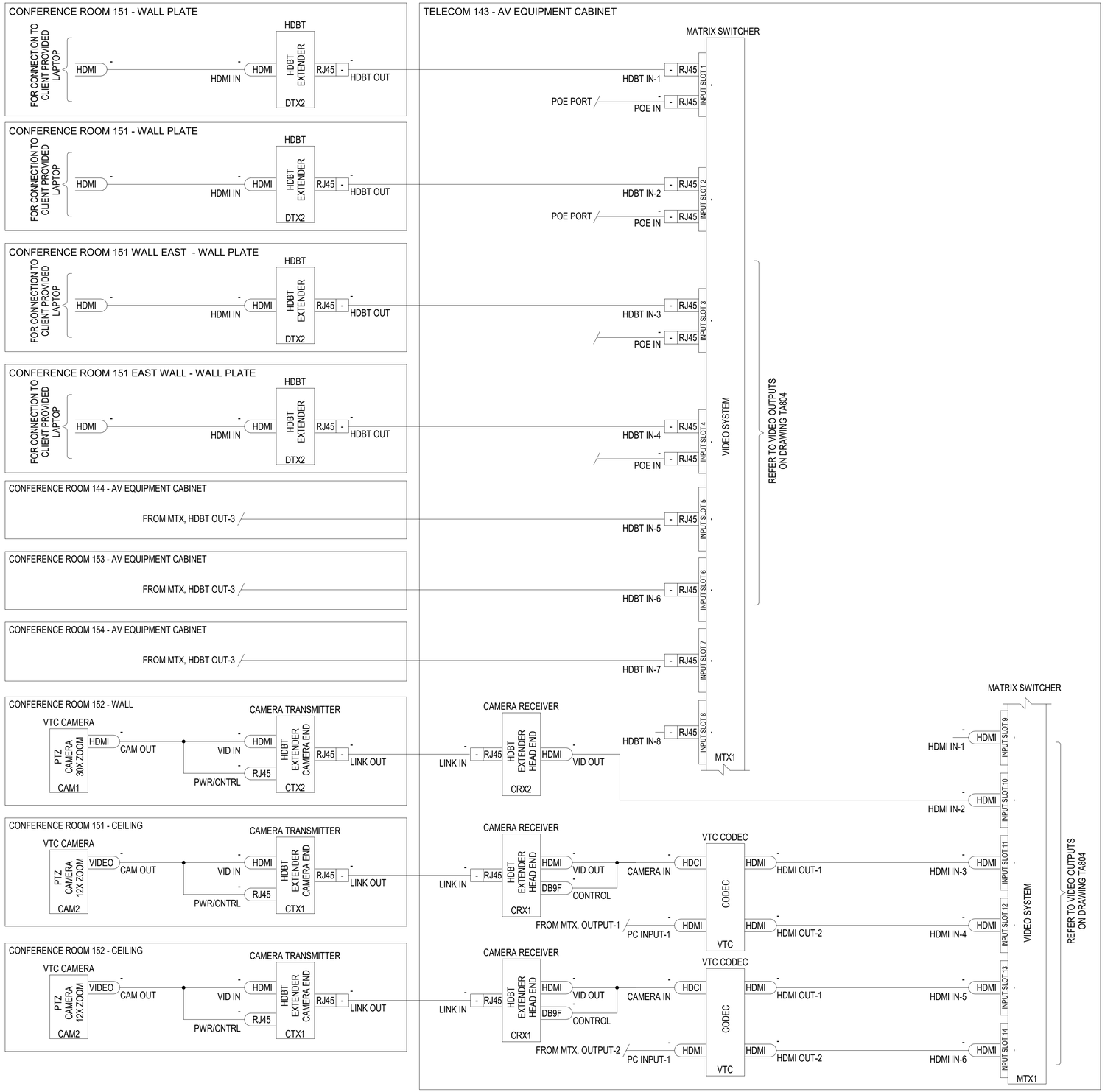

A8 AV VIDEO 1 FLOW DIAGRAM FOR CONFERENCE ROOMS 151 AND 152
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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

AV VIDEO 1 FLOW DIAGRAM FOR CONFERENCE ROOMS 151 AND 152

WARRENTON — DCCA ADM — VA

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SUBMITTER'S TITLE | APPROVER'S TITLE
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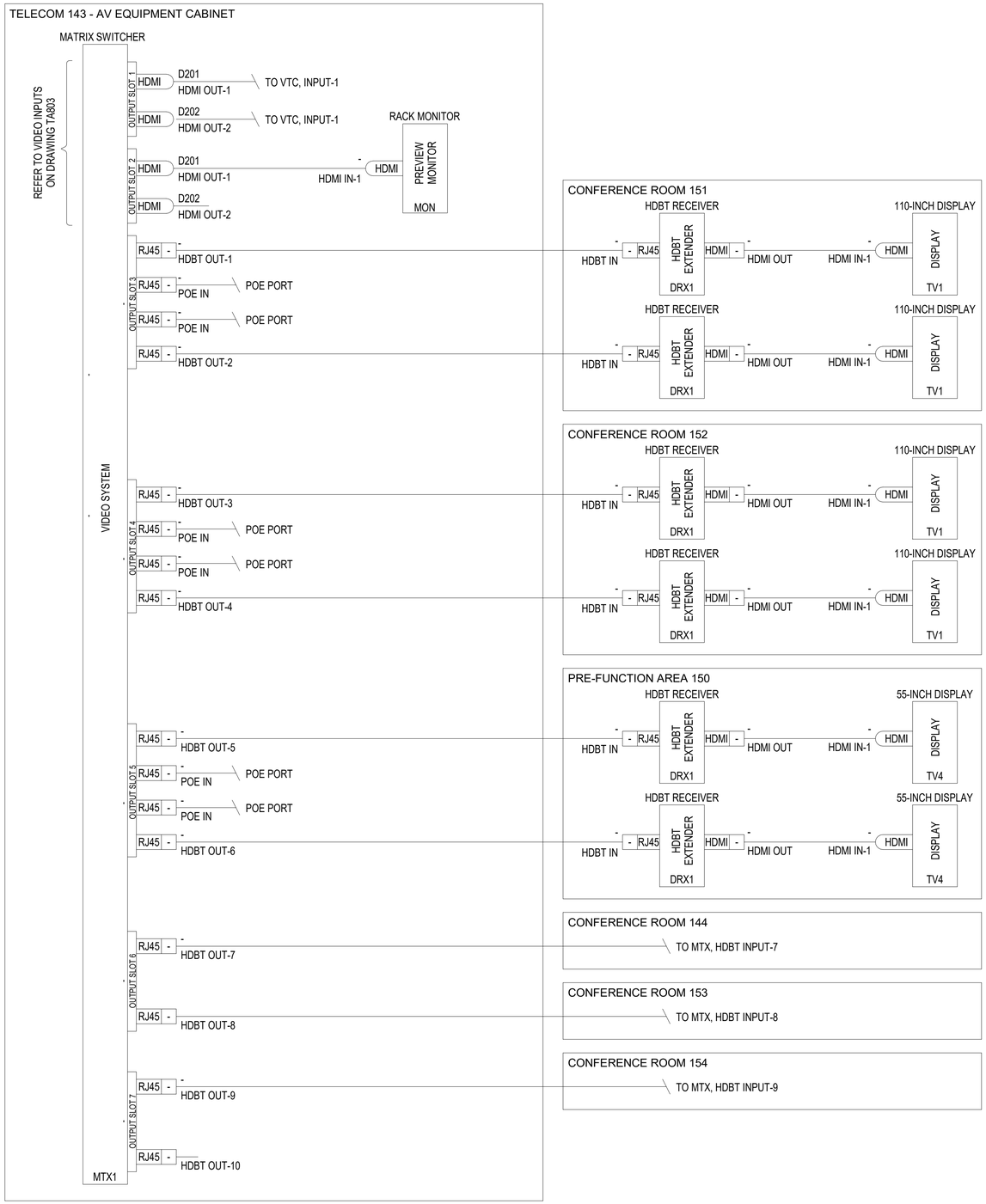

A8 AV VIDEO 2 FLOW DIAGRAM FOR CONFERENCE ROOMS 151 AND 152
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WARRENTON ADMINISTRATIVE BUILDING

AV VIDEO 2 FOR CONFERENCE ROOMS 151 AND 152

WARRENTON — DCCA ADM — VA

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CTS-D
Matt Smith
#2342552
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2024/03/31

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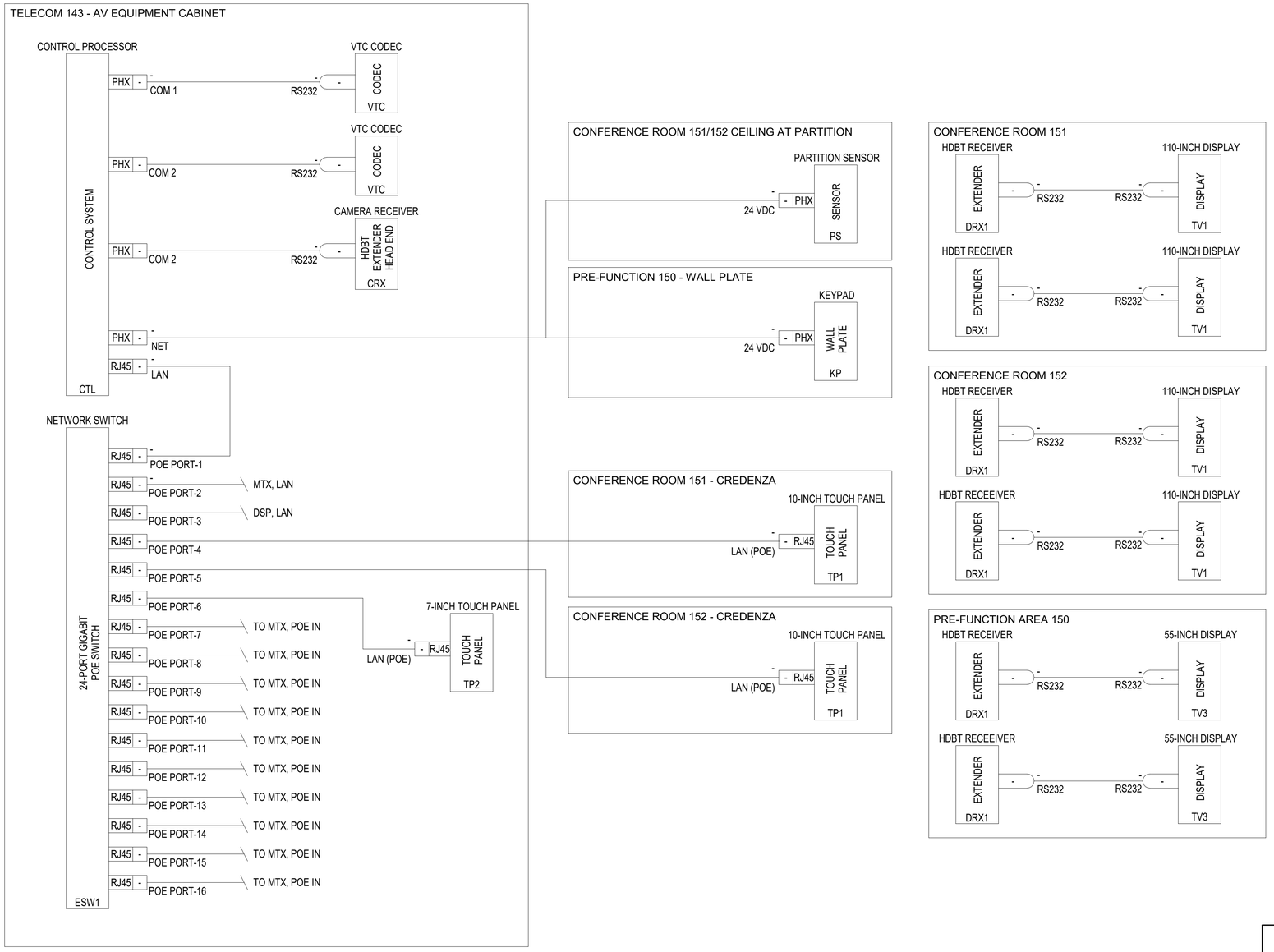

C8 AV CONTROL FLOW DIAGRAM FOR CONFERENCE ROOMS 151 AND 152
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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

AV CONTROL FLOW DIAGRAM FOR CONFERENCE ROOMS 151 AND 152

WARRENTON — DCCA ADM — VA

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DESIGNED BY M. SMITH
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FIRE PROTECTION GENERAL NOTES

A. FIRE PROTECTION WORK ON THIS PROJECT INCLUDES THE DEMOLITION/MODIFICATION OF THE EXISTING BUILDING SPRINKLER SYSTEM TO PROVIDE COVERAGE TO THE NEW LAYOUT. SYSTEMS WILL BE INSTALLED IN ACCORDANCE WITH DIVISION 21 OF THE PROJECT SPECIFICATIONS, NFPA 13 (2019 EDITION) AND THE LOCAL JURISDICTION CODES AND REGULATIONS.

B. WORK THAT IS DETAILED ON THESE PLANS IS BASED ON PREVIOUSLY REVIEWED BUILDING DRAWINGS AND SITE SURVEYS. VERIFY ALL LOCATIONS AND MEASUREMENTS AS CONDITIONS MAY VARY THROUGHOUT CONSTRUCTION. WHERE FIELD CONDITIONS ARE DIFFERENT THAN SHOWN, ADVISE COR OF VARIANCES WHICH WILL AFFECT PROPOSED WORK. ALL CHANGES MUST BE APPROVED BY THE COR PRIOR TO COMMENCING WORK.

C. DRAWINGS ARE FOR ESTABLISHING DESIGN CRITERIA ONLY. SHOP DRAWINGS MUST BE SUBMITTED PRIOR TO INSTALLATION OF THE FIRE SPRINKLER SYSTEM. DRAWINGS, CALCULATIONS, AND CUTSHEETS SHALL BE SUBMITTED AS A COMPLETE PACKAGE, AND IN COMPLIANCE WITH ALL REQUIREMENTS OUTLINED IN THE "PLANS AND CALCULATIONS" CHAPTER OF NFPA 13.

D. FINAL SPRINKLER SYSTEM TEST WILL BE WITNESSED BY THE COR, AND A RECORD OF THE TEST RESULTS WILL BE FILED TO THE COR IN ACCORDANCE WITH NFPA 13.

E. PIPE SIZES AND LOCATIONS SHOWN FOR THE SPRINKLER SYSTEMS ARE FOR REFERENCE ONLY. CONTRACTOR MUST SUBMIT HYDRAULIC CALCULATIONS JUSTIFYING FINAL SELECTED PIPE SIZE AND ROUTING IN ACCORDANCE WITH NFPA 13, AND CARRY A MINIMUM SAFETY FACTOR OF 10% OF THE SYSTEM DEMAND. DENSITIES AND DESIGN AREAS WILL BE BASED ON HAZARD CLASSFICIATION PER NFPA 13.

F. CURRENT WATER SUPPLY IS UNDERGROUND SITE LOOP SUPPLYING SITE FIRE HYDRANTS. TEST CONDUCTED BY JACOBS (RESULTS SHOWN BELOW) IS USED AS THE BASIS FOR PIPE SIZING. CONTRACTOR MUST PERFORM A HYDRANT FLOW TEST TO VERIFY THIS HYDRAULIC INFORMATION AS A BASIS FOR SPRINKLER SYSTEM CALCULATIONS.

G. COORDINATE FIRE PROTECTION WORK WITH EXISTING SITE CONDITIONS AND THE WORK OF OTHER TRADES.

H. PENETRATIONS THROUGH FIRE RATED BARRIERS AND PARTITIONS WILL HAVE THROUGH PENETRATION FIRESTOPPING SYSTEM INSTALLED. FIRESTOPPED PENETRATIONS WHERE EXISTING PIPING IS REMOVED MUST BE REPAIRED TO MAINTAIN BUILDING FIRE RESISTANCE RATING.

I. THE WORK REQURIED WILL INCLUDE THE FURNISHING OF MATERIALS, CUTTING, PATCHING, REPAIRING, ADAPTING, AND OTHER INCIDENTAL WORK AS MAY BE REQUIRED. WORK REQUIRING CUTTING, PATCHING, AND/OR PAINTING WILL MATCH EXISTING CONDITIONS.

J. FIRE PROTECTION SYSTEM TAMPER AND FLOW SWITCHES WILL BE INSTALLED BY THE FIRE SUPPRESSION CONTRACTOR. FIRE ALARM CONTRACTOR WILL CONNECT THESE DEVICES TO THE FIRE ALARM SIGNALING LINE CIRCUITS.

K. WHERE NEW SPRINKLERS ARE TO BE INSTALLED, THEY WILL MATCH AS CLOSELY AS POSSIBLE, THE EXISTING SPRINKLER TYPES, FINISHES, AND FLOW CHARACTERISTICS.

L. ALL SYSTEM DRAINS WILL DISCHARGE TO BUILDING EXTERIOR WHERE POSSIBLE, OR TO A NEARBY FLOOR DRAIN. PROVIDE AUXILLARY DRAINAGE WITH A DRAIN VALVE AND PLUG FOR ALL TRAPPED SECTIONS OF PIPE, REGARDLESS OF VOLUME.

M. PROVIDE ACCESS DOORS AND SIGNAGE WHERE ACCESS IS REQUIRED TO CONCEALED SPRINKLER EQUIPMENT, VALVES, DRAINS, AND CONTROLS LOCATED IN WALLS OR ABOVE CEILINGS.

WATER SUPPLY INFORMATION

DATE OF TEST:	05/18/2021
STATIC PRESSURE:	60 PSI
RESIDUAL PRESSURE:	55 PSI
RESIDUAL FLOW:	885 GPM

FIRE ALARM GENERAL NOTES

A. FIRE ALARM WORK ON THIS PROJECT INCLUDES THE DEMOLITION/MODIFICATION OF THE EXISTING BUILDING FIRE ALARM SYSTEM TO PROVIDE COVERAGE TO THE NEW LAYOUT. SYSTEMS WILL BE INSTALLED IN ACCORDANCE WITH DIVISION 28 OF THE PROJECT SPECIFICATIONS, NFPA 70 (2020 EDITION), NFPA 72 (2019 EDITION), AND THE LOCAL JURISDICTION CODES AND REGULATIONS.

B. WORK THAT IS DETAILED ON THESE PLANS IS BASED ON PREVIOUSLY REVIEWED BUILDING DRAWINGS AND SITE SURVEYS. VERIFY ALL LOCATIONS AND MEASUREMENTS AS CONDITIONS MAY VARY THROUGHOUT CONSTRUCTION. WHERE FIELD CONDITIONS ARE DIFFERENT THAN SHOWN, ADVISE COR OF VARIANCES WHICH WILL AFFECT PROPOSED WORK. ALL CHANGES MUST BE APPROVED BY THE COR PRIOR TO COMMENCING WORK.

C. DRAWINGS ARE FOR ESTABLISHING DESIGN CRITERIA ONLY. SHOP DRAWINGS WILL BE SUBMITTED PRIOR TO INSTALLATION OF THE FIRE ALARM SYSTEM. DRAWINGS, CALCULATIONS, AND CUT SHEETS SHALL BE SUBMITTED AS A COMPLETE PACKAGE, AND IN COMPLIANCE WITH ALL REQUIREMENTS OUTLINED IN THE "PLANS AND CALCULATIONS" CHAPTER OF NFPA 72.

D. FINAL FIRE ALARM TEST WILL BE WITNESSED BY THE COR, AND A "RECORD OF COMPLETION" WILL BE FILED TO THE COR IN ACCORDANCE WITH NFPA 72.

E. ALL NEW FIRE ALARM DEVICE CIRCUITS WILL ORIGINATE AT THE EXISTING FIRE ALARM CONTROL PANEL. ALL CIRCUITS WILL BE CLASS B.

F. COORDINATE FIRE ALARM WORK WITH EXISTING SITE CONDITIONS AND THE WORK OF OTHER TRADES.

G. CONDUIT PENETRATIONS THROUGH FIRE RATED BARRIERS AND PARTITIONS WILL HAVE THROUGH PENETRATION FIRESTOPPING SYSTEM INSTALLED. FIRESTOPPED PENETRATIONS WHERE EXISTING CONDUIT AND/OR DEVICES ARE REMOVED WILL BE REPAIRED TO MAINTAIN BUILDING FIRE RESISTANCE RATING.

H. THE WORK REQURIED WILL INCLUDE THE FURNISHING OF MATERIALS, CUTTING, PATCHING, REPAIRING, ADAPTING, AND OTHER INCIDENTAL WORK AS MAY BE REQUIRED. WORK REQUIRING CUTTING, PATCHING, AND/OR PAINTING WILL MATCH EXISTING CONDITIONS.

I. AUDIBLE FIRE ALARM SOUND LEVELS MUST BE AT LEAST 15 dBA ABOVE THE AVERAGE AMBINET SOUND LEVEL OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL MEASURED 5 FEET ABOVE THE FLOOR IN THE OCCUPIABLE AREA, WHICHEVER IS GREATER, HAVING A DURATION OF AT LEAST 60 SECONDS, BUT NOT TO EXCEED 110 dBA AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE. PROVIDE ADEQUATE NOTIFICATION APPLIANCES THROUGHOUT THE FACILLITY TO MEET NFPA 72 REQUIREMENTS.

J. THE FLASH RATE OF VISIBLE NOTIFICATION APPLIANCES MUST NOT EXCEED 2 FLASHES PER SECOND, NOR BE LESS THAN 1 FLASH PER SECOND, IN ACCORDANCE WITH NFPA 72. A MAXIMUM PULSE DURATION SHALL BE 0.2 SECONDS WITH A MAXIMUM DUTY CYCLE OF 40%. APPLIANCES WILL BE SPACED IN ACCORDANCE WITH NFPA 72. VISIBLE NOTIFICATION APPLIANCES WITHIN THE SAME COMPARTMENT WILL BE SYNCHRONIZED.

K. FIRE PROTECTION SYSTEM TAMPER AND FLOW SWITCHES WILL BE INSTALLED BY THE FIRE SUPPRESSION CONTRACTOR. FIRE ALARM CONTRACTOR WILL CONNECT THESE DEVICES TO THE FIRE ALARM SIGNALING LINE CIRCUITS.

L. PROVIDE REMOTE INDICATOR LIGHT AND TEST SWITCH ASSEMBLY FOR ALL DUCT SMOKE DETECTORS. ASSEMBLY WILL BE MOUNTED BELOW FINISHED CEILING FOR ALL DUCT SMOKE DETECTORS INSTALLED ABOVE THE CEILING. ASSEMBLY WILL BE WALL MOUTNED 5 FEET ABOVE FINISHED FLOOR FOR DUCT SMOKE DETECTORS INSTALLED 8 FEET OR MORE ABOVE FINISHED FLOOR.

GENERAL SYMBOLS

DEVICE TO BE DEMOLISHED

FIRE PROTECTION SYMBOLS

OH-1 — ORDINARY HAZARD GROUP I

POINT OF CONNECTION

FIRE DEPARTMENT CONNECTION

SPRINKLER PIPE (NEW)

SPRINKLER PIPE (EXISTING TO REMAIN)

FIRE ALARM SYMBOLS

FACP — FIRE ALARM CONTROL PANEL

NAC — NOTIFICATION APPLIANCE CIRCUIT POWER SUPPLY

DACT — DIGITAL ALARM COMMUNICATIOR TRANSMITTER

ANN — FIRE ALARM ANNUNCIATOR (EXISTING TO BE RECONFIGURED AND RELOCATED)

MM — ADDRESSABLE MONITOR MODULE

CM — ADDRESSABLE CONTORL MODULE

TS — TAMPER SWITCH

FS — FLOW SWITCH

F — MANUAL PULL STATION

SMOKE DETECTOR

HEAT DETECTOR

RTU-# — DUCT SMOKE DETECTOR
RTU-# - DENOTES ASSOCIATED ROOFTOP UNIT NUMBER

C XX — WALL-MOUNTED STROBE DEVICE
XX - CANDELA RATING
C - CEILING MOUNTED

C XX — WALL-MOUNTED COMBINATION STROBE/HORN DEVICE
XX - CANDELA RATING
C - CEILING MOUNTED

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AVG	AVERAGE
COR	CONTRACING OFFICER REPRESENTATIVE
ELEV	ELEVATION
EOL	END OF LINE
ETR	EXISTING TO REMAIN
FAA	FEDERAL AVIATION ADMINISTRATION
FDC	FIRE DEPARTMENT CONNECTION
FHV	FIRE HOSE VALVE
GPM	GALLONS PER MINUTE
IDC	INITIATING DEVICE CIRCUIT
ITE	INFORMATION TECHNOLOGY EQUIPMENT
MAX	MAXIMUM
MIN	MINIMUM
NAC	NOTIFICATION APPLIANCE CIRCUIT
OS&Y	OUTSIDE SCREW AND YOKE
PSI	POUNDS PER SQUARE INCH
SLC	SIGNALING LINE CIRCUIT
SQFT	SQUARE FEET
TYP	TYPICAL
WP	WEATHER PROOF

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STATE OF MARYLAND — JACOB I WATKINS — 44038 — PROFESSIONAL ENGINEER — 03/11/22

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FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRE PROTECTION GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS

WARRENTON — DCCA ADM — VA

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	SUBMITTER'S TITLE	APPROVER'S TITLE

DCCA ADM
WARRENTON, VA

DESIGNED BY J. WATKINS
DRAWN BY J. WATKINS
CHECKED BY J. BEALS

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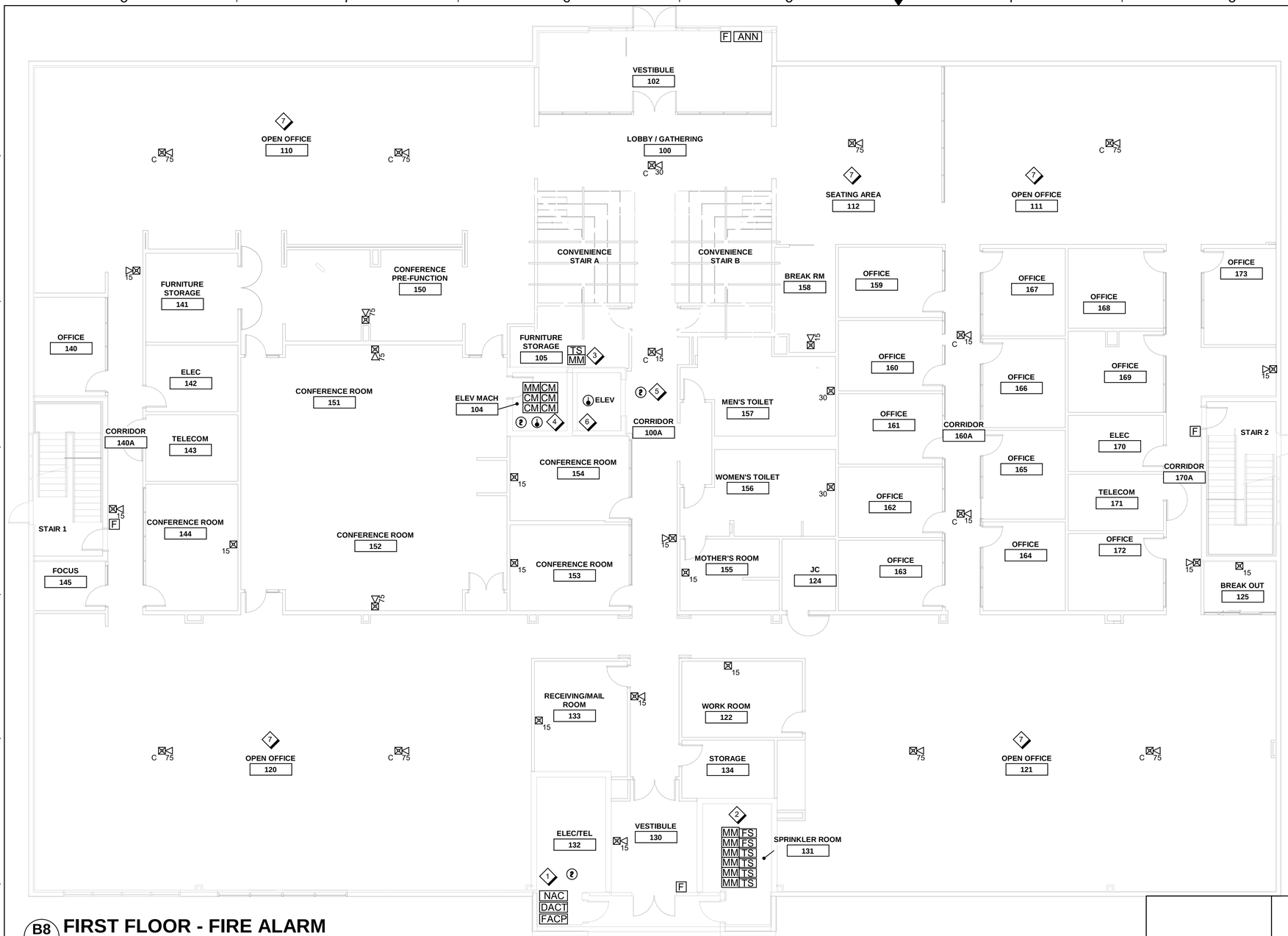

GENERAL NOTES

A. REFER TO SHEET F001 FOR GENERAL FIRE ALARM NOTES, LEGEND, AND ABBREVIATIONS.

B. REFER TO SHEET F501 FOR FIRE ALARM MATRIX AND RISER DIAGRAMS.

C. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION WITH LIGHTS, DIFFUSERS, AND CEILING GRID.

D. ALL CONDUIT SHALL BE A MINIMUM OF 3/4 INCH AND SIZED PER NEC GUIDELINES. ALL FIRE ALARM CONDUIT SHALL BE FACTORY PAINTED RED EMT.

SHEET NOTES

1. EXISTING HEAD END EQUIPMENT INCLUDING FIRE ALARM PANEL, POWER BOOSTER PANELS, AND DACT TO REMAIN AND BE RE-USED FOR THIS RENOVATION. PROVIDE SMOKE DETECTOR ABOVE FACP.
2. EXISTING MONITORING MODULES FOR FIRE SUPPRESSION TAMPER AND FLOW SWITCHES TO REMAIN AND BE RE-USED.
3. PROVIDE MONITOR MODULE FOR TAMPER SWITCH ON CONTROL VALVE FOR FIRE SPRINKLER LEAD-IN TO ELEVATOR MACHINE ROOM.
4. PROVIDE SMOKE AND HEAT DETECTION IN ELEVATOR MACHINE ROOM. LOCATE HEAT DETECTOR WITHIN 24 INCHES OF SPRINKLERS. PROVIDE CONTROL MODULES FOR ELEVATOR SHUNT, RECALL, AND FIRE HAT. PROVIDE MONITOR MODULE FOR ELEVATOR SHUNT BREAKER.
5. PROVIDE SMOKE DETECTION IN ELEVATOR LOBBY.
6. PROVIDE HEAT DETECTOR IN ELEVATOR PIT WITHIN 24" OF PIT SPRINKLER.
7. CEILING MOUNTED NOTIFICATION DEVICES IN OPEN OFFICE AREAS WITH BAFFLE CEILINGS TO BE PENDENT MOUNTED BELOW BAFFLE CEILING FROM ABOVE CEILING UNISTRUT SYSTEM.

B8 / F111 FIRST FLOOR - FIRE ALARM

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

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WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR FIRE ALARM PLAN

WARRENTON — DCCA ADM — VA

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SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY J. WATKINS
DRAWN BY J. WATKINS
CHECKED BY J. BEALS

ISSUED BY: ENGINEERING SERVICES TERMINAL

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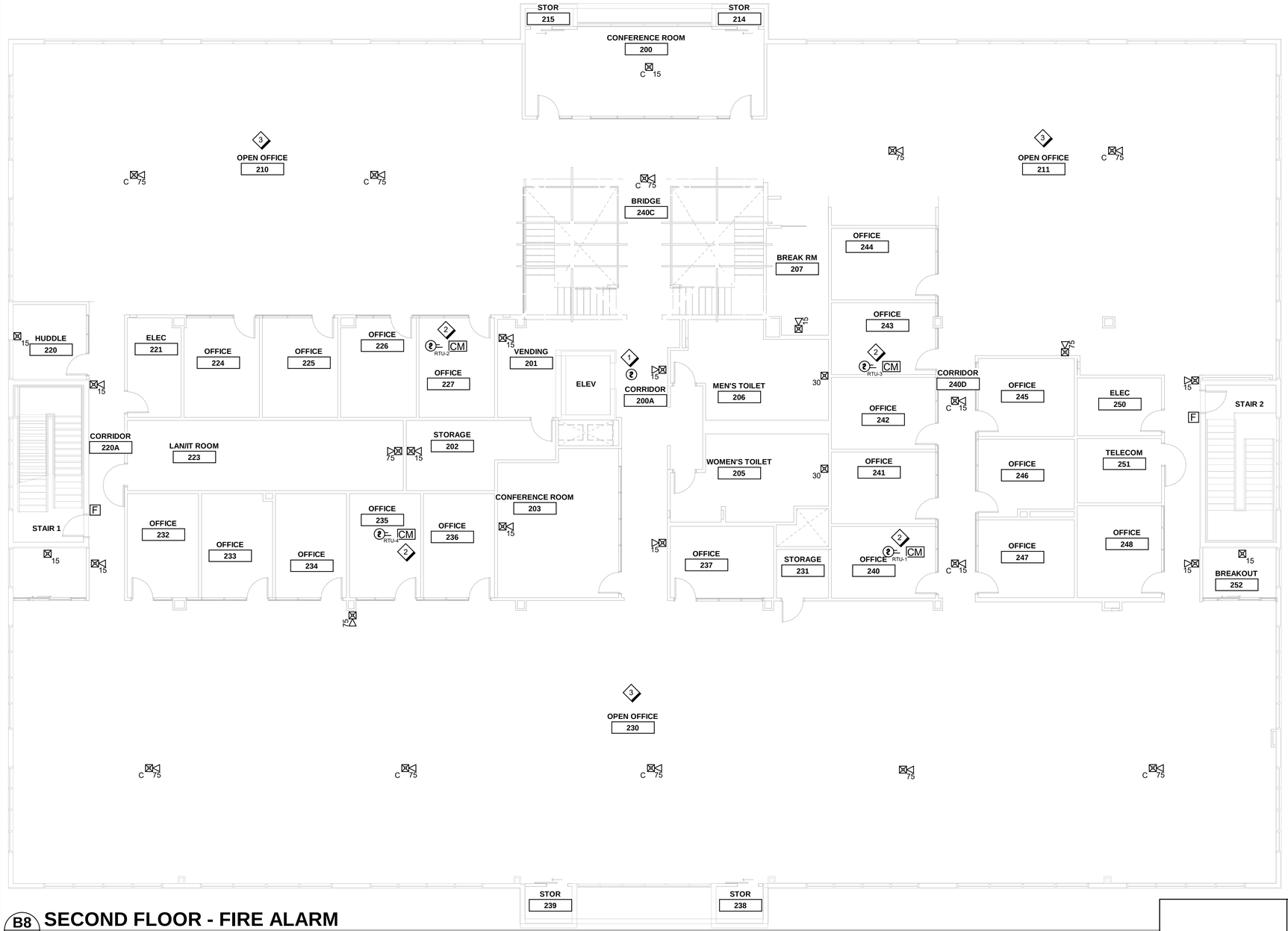

B8 / F121 SECOND FLOOR - FIRE ALARM

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL NOTES

A. REFER TO SHEET F001 FOR GENERAL FIRE ALARM NOTES, LEGEND, AND ABBREVIATIONS.

B. REFER TO SHEET F501 FOR FIRE ALARM MATRIX AND RISER DIAGRAMS.

C. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION WITH LIGHTS, DIFFUSERS, AND CEILING GRID.

D. ALL CONDUIT SHALL BE A MINIMUM OF 3/4 INCH AND SIZED PER NEC GUIDELINES. ALL FIRE ALARM CONDUIT SHALL BE FACTORY PAINTED RED EMT.

SHEET NOTES

1. PROVIDE SMOKE DETECTION IN ELEVATOR LOBBY.
2. PROVIDE DUCT DETECTOR ON SUPPLY SIDE DUCTWORK FROM ROOFTOP AHU. PROVIDE CONTROL MODULE TO INTIATE UNIT SHUTDOWN ON ALARM. PROVIDE REMOTE ANNUNCIATOR AND TEST SWITCH IN A NEARBY, VISIBLE AND LOCATION.
3. CEILING MOUNTED NOTIFICATION DEVICES IN OPEN OFFICE AREAS WITH BAFFLE CEILINGS TO BE PENDENT MOUNTED BELOW BAFFLE CEILING FROM ABOVE CEILING UNISTRUT SYSTEM.

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR FIRE ALARM PLAN

WARRENTON — DCCA ADM — VA

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DCCA ADM
WARRENTON, VA

DESIGNED BY J. WATKINS
DRAWN BY J. WATKINS
CHECKED BY J. BEALS
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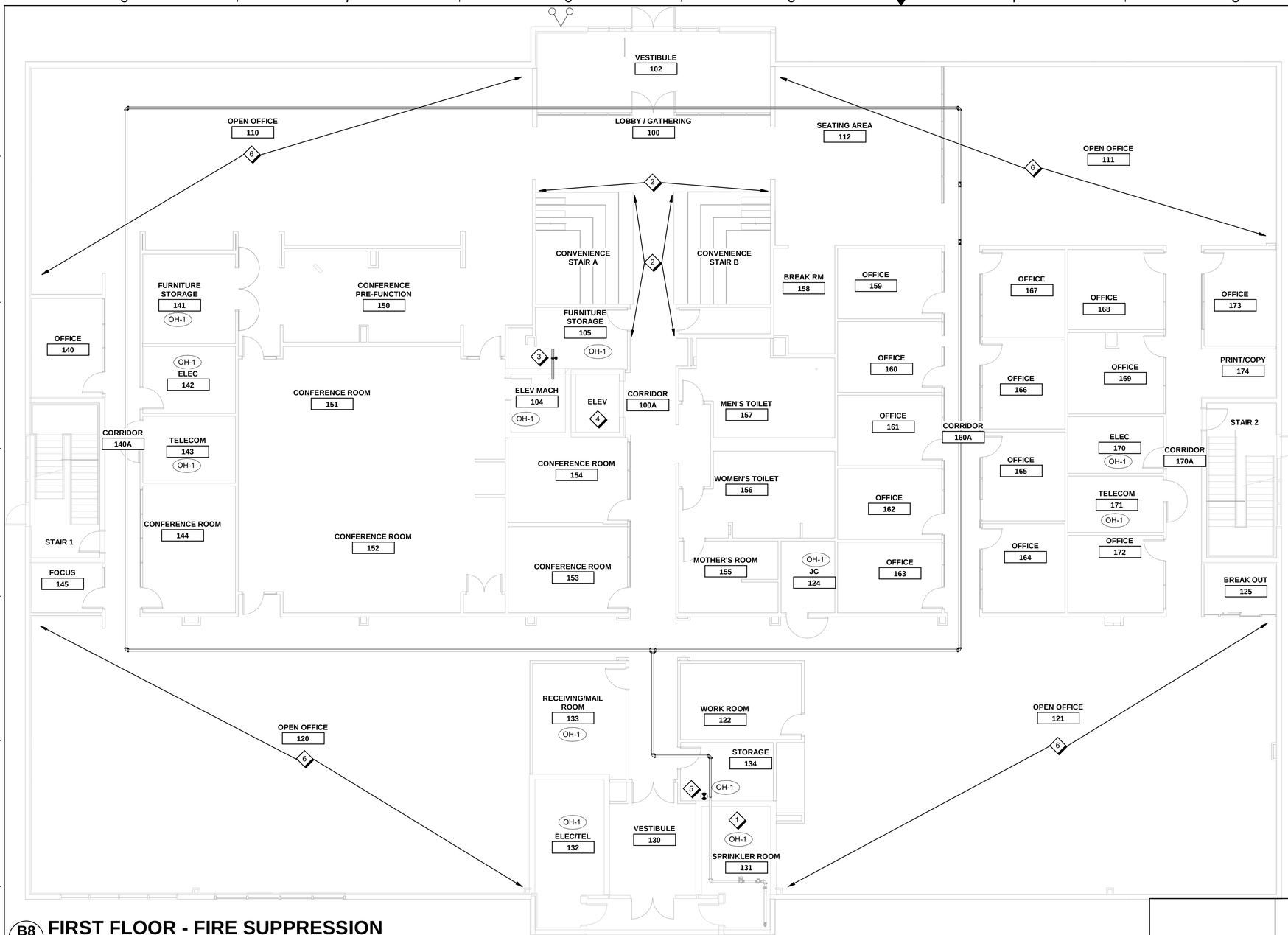

B8 / F211 FIRST FLOOR - FIRE SUPPRESSION

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL NOTES

A. REFER TO SHEET F001 FOR GENERAL FIRE PROTECTION NOTES, LEGEND, AND ABBREVIATIONS.

B. REFER TO SHEET F601 FOR FIRE SUPPRESSION DETAILS.

C. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION WITH LIGHTS, DIFFUSERS, AND CEILING GRID.

D. PROVIDE NFPA 13 COMPLIANT COVERAGE THROUGHOUT BUILDING TO ACCOMODATE RENOVATION.

E. ALL AREAS SHALL BE CONSIDERED LIGHT HAZARD UNLESS OTHERWISE NOTED.

SHEET NOTES

1. EXISTING INCOMING SERVICE AND FIRE SUPPRESSION METER, BACKFLOW PREVENTER, AND VALVE ASSEMBLIES TO REMAIN AND BE RE-USED FOR THIS RENOVATION (SEE DETAIL D8 ON SHEET F601 FOR EXISTING RISER CONFIGURATION).
2. CLOSELY SPACED SPRINKLERS TO BE INSTALLED AROUND DRAFT CURTAIN SURROUNDING CONVENIENCE OPENING. HEADS TO BE SPACED NO MORE THAN 6 FEET APART, AND WITHIN 12 INCHES OF CURTAIN IN ACCORDANCE WITH NFPA 13.
3. SHARED LEAD-IN FOR ELEVATOR MACHINE ROOM AND PIT TO INCLUDE CONTROL VALVE FOR ISOLATION, AND BALL VALVE FOR LEAD-IN DRAIN. ELEVATOR MACHINE ROOM SPRINKLER TO BE INTERMEDIATE-TEMPERATURE.
4. PROVIDE INTERMEDIATE-TEMPERATURE SIDEWALL SPRINKLER WITH HEAD GUARD IN ELEVATOR PIT, NO MORE THAN 24" ABOVE THE BOTTOM OF PIT.
5. POINT OF CONNECTION TO EXISTING SPRINKLER PIPING SERVICE.
6. INSTALL SPRINKLERS ABOVE BAFFLE CEILING IN OPEN OFFICE AREAS PER NFPA 13, SECTION 9.3.10. SPACING MUST BE REDUCED TO ACCOUNT FOR CLEARANCE FROM BAFFLES TO DECK. SPRINKLER COVERAGE MUST BE COORDINATED AROUND OBSTRUCTIONS ABOVE BAFFLES. REFER TO DETAIL A8 ON SHEET A302 FOR CEILING DETAIL.

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STATE OF MARYLAND
JACOB I. WATKINS
44038
PROFESSIONAL ENGINEER
04/13/22

Jacobs

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRST FLOOR FIRE SUPPRESSION PLAN

WARRENTON — DCCA ADM — VA

REVIEWED BY | SUBMITTED BY | APPROVED BY
SUBMITTER'S TITLE | APPROVER'S TITLE

DESIGNED BY J. WATKINS
DRAWN BY J. WATKINS
CHECKED BY J. BEALS
ISSUED BY ENGINEERING SERVICES TERMINAL
DATE 03/11/2022 JCN: 21001763
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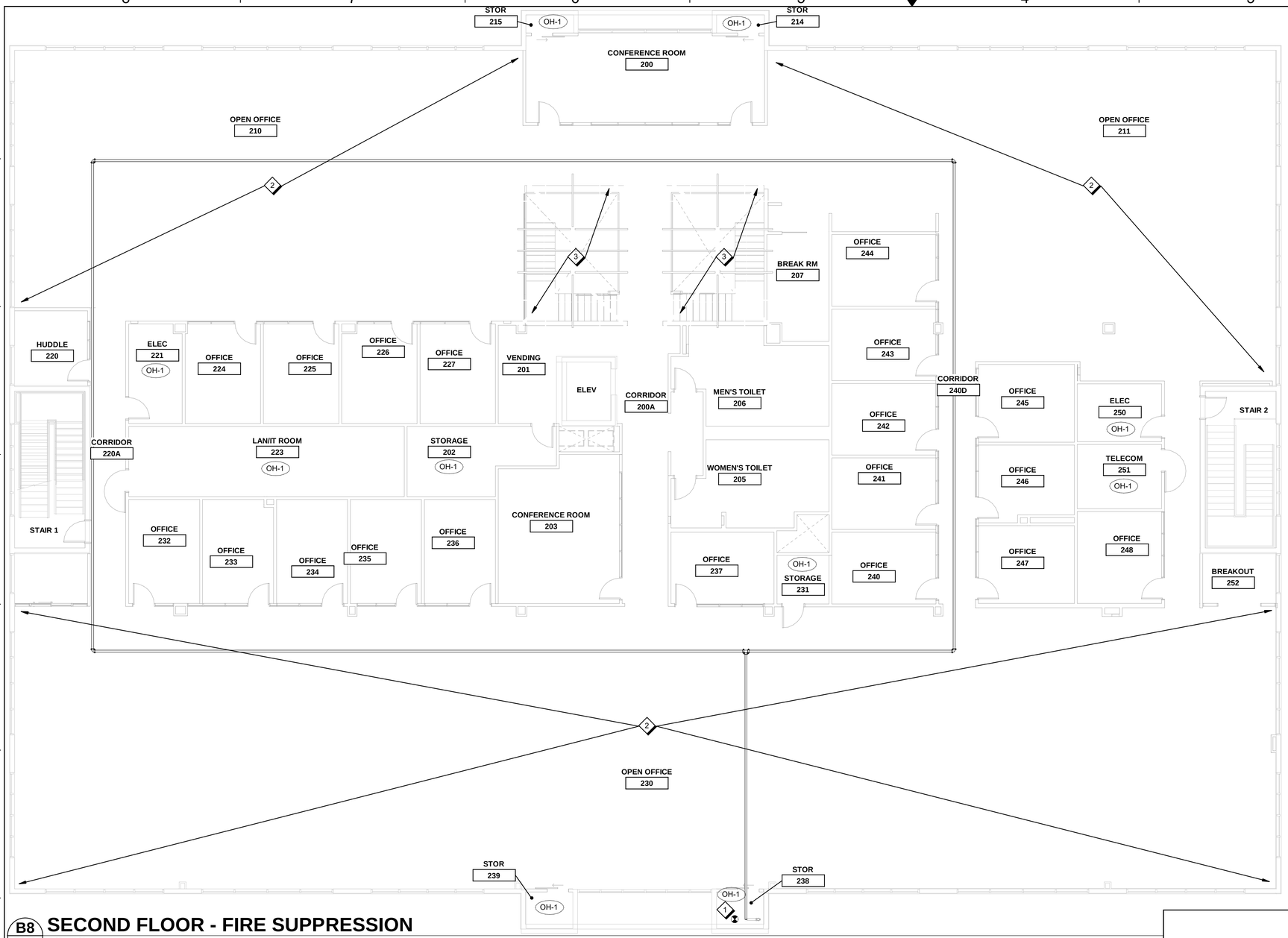
DCCA ADM
WARRENTON, VA

PLOT DATE/TIME: 4/13/2022 2:04:45 PM



B8 / F212 SECOND FLOOR - FIRE SUPPRESSION

1/8" = 1'-0"

Scale: 1/8 INCH = 1 FOOT

KEY NORTH

GENERAL NOTES

A. REFER TO SHEET F001 FOR GENERAL FIRE PROTECTION NOTES, LEGEND, AND ABBREVIATIONS.

B. REFER TO SHEET F601 FOR FIRE SUPPRESSION DETAILS.

C. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION WITH LIGHTS, DIFFUSERS, AND CEILING GRID.

D. PROVIDE NFPA 13 COMPLIANT COVERAGE THROUGHOUT BUILDING TO ACCOMODATE RENOVATION.

E. ALL AREAS SHALL BE CONSIDERED LIGHT HAZARD UNLESS OTHERWISE NOTED.

SHEET NOTES

1. POINT OF CONNECTION TO EXISTING SPRINKLER PIPING SERVICE.
2. INSTALL SPRINKLERS ABOVE BAFFLE CEILING IN OPEN OFFICE AREAS PER NFPA 13, SECTION 9.3.10. SPACING MUST BE REDUCED TO ACCOUNT FOR CLEARANCE FROM BAFFLES TO DECK. SPRINKLER COVERAGE MUST BE COORDINATED AROUND OBSTRUCTIONS ABOVE BAFFLES. REFER TO DETAIL A8 ON SHEET A302 FOR CEILING DETAIL.
3. PROVIDE SPRINKLER PROTECTION FOR TWO SKYLIGHTS ABOVE EACH CONVENIENCE STAIR.

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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

SECOND FLOOR FIRE SUPPRESSION PLAN

WARRENTON — DCCA ADM — VA

STATE OF MARYLAND — JACOB I WATKINS — 44038 — PROFESSIONAL ENGINEER — 03/11/22

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WARRENTON, VA

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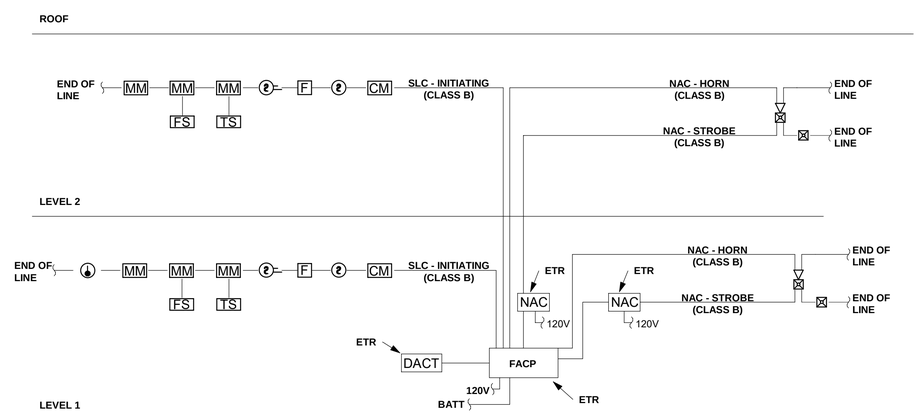
SYSTEM INPUT \ SYSTEM OUTPUT	ACTUATE COMMON ALARM SIGNAL INDICATOR AND AUDIBLE	DISPLAY ALARM DEVICE AT FACP AND ANNUNCIATOR	ACTUATE SUPERVISORY INDICATOR AND AUDIBLE	DISPLAY SUPERVISORY CONDITION AT FACP AND ANNUNCIATOR	ACTUATE COMMON TROUBLE SIGNAL INDICATOR AND AUDIBLE	DISPLAY TROUBLE CONDITION AT FACP AND ANNUNCIATOR	TRANSMIT ALARM SIGNAL TO MONITORING STATION	TRANSMIT SUPERVISORY SIGNAL TO MONITORING STATION	TRANSMIT TROUBLE SIGNAL TO MONITORING STATION	ACTUATE AUDIBLE/VISUAL EVACUATION SIGNALS	CLOSE ASSOCIATED DAMPER/SHUT DOWN ASSOCIATED HVAC UNIT	IMMEDIATELY RECALL ELEVATORS TO LEVEL 1	IMMEDIATELY RECALL ELEVATORS TO LEVEL 2	IMMEDIATELY SHUNT ELEVATOR POWER	ACTIVATE FIREFIGHTER'S HAT INDICATOR (SOLID)	ACTIVATE FIREFIGHTER'S HAT INDICATOR (FLASHING)	SILENCE PANEL AND FACILITY AUDIBLES (VISUALS CONTINUE)	PANEL RETURNS TO NORMAL (AUDIBLES AND VISUALS STOP)
MANUAL FIRE ALARM PULL STATION	●	●					●			●								
AREA SMOKE DETECTORS	●	●					●			●								
SPRINKLER WATER FLOW SWITCH	●	●					●			●								
LEVEL 1 ELEVATOR LOBBY SMOKE DETECTOR	●	●					●			●			●		●			
LEVEL 2 ELEVATOR LOBBY SMOKE DETECTORS	●	●					●			●		●			●			
ELEVATOR CONTROL ROOM SMOKE DETECTOR	●	●					●			●			●			●		
ELEVATOR PIT HEAT DETECTOR	●	●					●			●		●				●		
ELEVATOR CONTROL ROOM HEAT DETECTOR	●	●					●			●				●		●		
LOSS OF ELEVATOR SHUNT POWER			●	●				●										
TAMPER SWITCH ACTIVATED			●	●				●										
DUCT SMOKE DETECTORS			●	●				●			●							
FIRE ALARM AC POWER FAILURE					●	●			●									
FIRE ALARM SYSTEM LOW BATTERY					●	●			●									
OPEN CIRCUIT					●	●			●									
GROUND FAULT					●	●			●									
NOTIFICATION APPLIANCE CIRCUIT TROUBLE					●	●			●									
SYSTEM SILENCE																	●	
SYSTEM RESET																		●

D8 FIRE ALARM MATRIX

F501 12" = 1'-0"



NOTE: RISER DIAGRAM IS A SCHEMATIC REPRESENTATION OF THE FIRE ALARM SYSTEM. REFER TO THE FIRE ALARM PLANS FOR LOCATIONS AND QUANTITIES OF DEVICES AND APPLIANCES.

D5 FIRE ALARM RISER DIAGRAM

F501 12" = 1'-0"

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FEDERAL AVIATION ADMINISTRATION

EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRE ALARM MATRIX AND RISER DIAGRAM

WARRENTON — DCCA ADM — VA

STATE OF MARYLAND — JACOB I WATKINS — 44038 — PROFESSIONAL ENGINEER — 03/11/22

Jacobs

DCCA ADM
WARRENTON, VA

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ISSUED BY: ENGINEERING SERVICES TERMINAL

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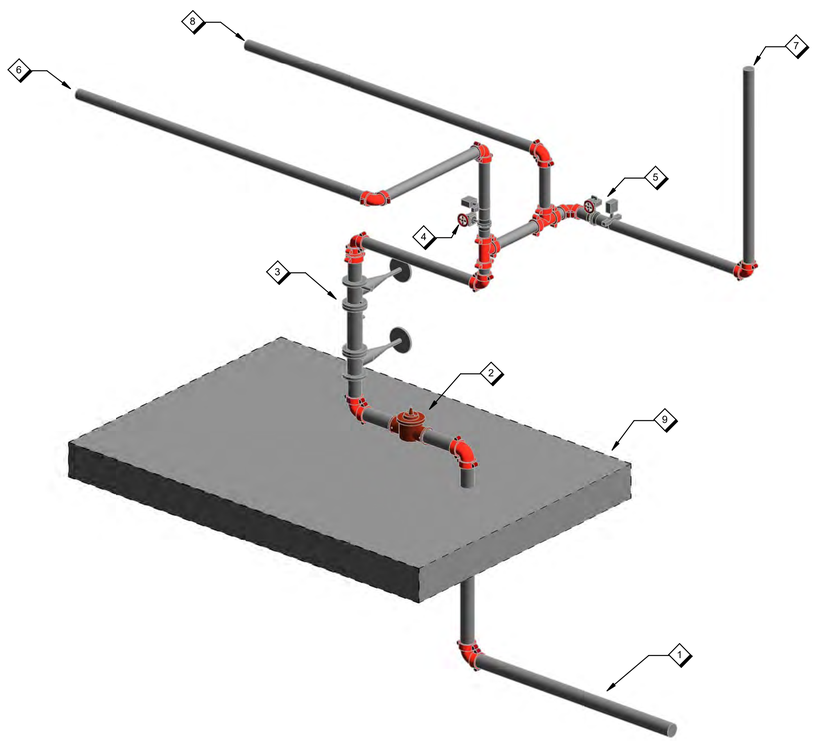

D8 / F601 INCOMING SERVICE RISER ISOMETRIC

SHEET NOTES

1. 4" SUPPLY FROM UNDERGROUND SITE WATER MAIN (ETR)
2. WATER METER ASSEMBLY(ETR)
3. DOUBLE CHECK BACKFLOW PREVENTER (ETR)
4. FIRST FLOOR ZONE ASSEMBLY (ETR)
5. SECOND FLOOR ZONE ASSEMBLY (ETR)
6. 3" SUPPLY TO FIRST FLOOR SPRINKLER SYSTEM
7. 3" SUPPLY TO SECOND FLOOR SPRINKLER SYSTEM (ETR)
8. 3" SUPPLY TO FIRE DEPARTMENT CONNECTION (ETR)
9. FIRST FLOOR SLAB (SPRINKLER SERVICE ROOM)

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STATE OF MARYLAND
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EASTERN SERVICE AREA — ATLANTA, GA

WARRENTON ADMINISTRATIVE BUILDING

FIRE SUPPRESSION DETAILS

WARRENTON — DCCA ADM — VA

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