

AIRPORT TRAFFIC CONTROL TOWER MAJOR IMPROVEMENTS LAUDERDALE INTERNATIONAL FT. LAUDERDALE, FL.

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JANUARY 31, 2020

ISSUE FOR CONSTRUCTION

08/05/2020

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SCALES SHOWN

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No. 44228	REV	APPROVI DATE	D			DESCRI	PTION		JCN	REDLINE	APVD	
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Wiley Wilson	FΤ	LAUDE	rdale			(INT	ERNATION	AL)			FL	
5901 Peachtree Dunwoody Rd.	REVIE	WED BY	SUBMITTEI	D BY				APPROVED BY				
Bldg. C, Ste 515 Atlanta, Georgia 30328-6055												А
678.320.1888				TER'S	TITLE	- CIVIL E		APPROVER'S				
wileywilson.com			DESIGNED		CRK		ED BY	date jan 31,	2020	^{CN} 1508912		
WW JOB NUMBER: 219075.00			DRAWN CHECKED		CRK RAB		TERMINAL EERING ITER	DRAWING NO	FLL-D-	-TOWB-GOOC	REV	
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H	<u>drawing number</u> <u>general</u>		
	FLL-D-TOWB-GOOO FLL-D-TOWB-GOO1 FLL-D-TOWB-GOO2	COVER SHEET BASE BUILDING – DRAWING INDEX ATCT – DRAWING INDEX	
	FLL-D-TOWB-G010 FLL-D-TOWB-G011	ABBREVIATIONS - SHEET 1 ABBREVIATIONS - SHEET 2	
	FLL-D-TOWB-G015 FLL-D-TOWB-G040	SYMBOL LEGEND CONSTRUCTION COORDINATION NOTES	
G	FLL-D-TOWB-HOO1	HAZARDOUS MATERIALS	
	<u>base building (1</u> general	TRACON)	
	FLL-D-TRACO-GOOO	COVER SHEET	
	<u>DEMOLITION</u> fll-d-traco-dooo	PLUMBING – SITE PLAN – DEMOLITION	
F	FLL-D-TRACO-D100 FLL-D-TRACO-D140	ARCHITECTURAL - BASE BUILDING FLC ARCHITECTURAL - BASE BUILDING ROC	OR PLAN DEMOLITION
	FLL-D-TRACO-D300 FLL-D-TRACO-D301	MECHANICAL – BASE BUILDING FLOOR MECHANICAL – MECHANICAL ROOM BASE	
	FLL-D-TRACO-D400 FLL-D-TRACO-D401	PLUMBING – BASE BUILDING FLOOR PL PLUMBING – ENLARGED RESTROOM DEMC	
	FLL-D-TRACO-D500 FLL-D-TRACO-D501	ELECTRICAL – BASE BUILDING FLOOR ELECTRICAL – BASE BUILDING ROOF P	
E	<u>ARCHITECTURAL</u>		
	FLL-D-TRACO-A000 FLL-D-TRACO-A100 FLL-D-TRACO-A140	LEGEND, SYMBOLS AND GENERAL NOTES BASE BUILDING FLOOR PLAN BASE BUILDING ROOF PLAN	
	FLL-D-TRACO-A400 FLL-D-TRACO-A401	RESTROOM DEMOLITION AND NEW WORK RESTROOM ACCESSORIES	
	FLL-D-TRACO-A410 FLL-D-TRACO-A500	SCREENED-IN PORCH FINISH AND COLOR SCHEDULES	
D	FLL-D-TRACO-A505 FLL-D-TRACO-A610	DOOR TYPES, SCHEDULE AND DETAILS ROOF DETAILS	
	<u>MECHANICAL</u> fll-d-traco-mooo	HVAC LEGEND AND GENERAL NOTES	
	FLL-D-TRACO-M100 FLL-D-TRACO-M400	BASE BUILDING FLOOR PLAN – HVAC ENLARGED RESTROOM HVAC PLAN	
\bigcirc	FLL-D-TRACO-M420 FLL-D-TRACO-M500	ENLARGED MECHANICAL ROOM & SECTIC HVAC SCHEDULES	N
	FLL-D-TRACO-M600 FLL-D-TRACO-M601 FLL-D-TRACO-M602	HVAC DETAILS HVAC DETAILS HVAC DETAILS	
	FLL-D-TRACO-M800 FLL-D-TRACO-M800 FLL-D-TRACO-M801	CONTROL SYSTEM DIAGRAM AHU-1, VAV	
	FLL-D-TRACO-M802	SEQUENCE OF OPERATION AND SYSTEM	POINT SYSTEM
В	<u>PLUMBING</u> fll-d-traco-pooo	SYMBOLS AND GENERAL NOTES	
	FLL-D-TRACO-P050 FLL-D-TRACO-P100		
	FLL-D-TRACO-P400	ENLARGED RESTROOM NEW WORK AND SC	HEDULE
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ELECTRICAL

FLL-D-TRACO-E000
FLL-D-TRACO-E001
FLL-D-TRACO-E050
FLL-D-TRACO-E060
FLL-D-TRACO-E120
FLL-D-TRACO-E160
FLL-D-TRACO-E500
FLL-D-TRACO-E501
FLL-D-TRACO-E502
FLL-D-TRACO-E600
FLL-D-TRACO-E601

LEGEND AND SYMBOLS GENERAL NOTES ELECTRICAL SITE PLAN GENERATOR BUILDING PLAN BASE BUILDING POWER PLAN BASE BUILDING ROOF LIGHTNING PROTECTION PLAN PANEL SCHEDULES PANEL SCHEDULES PANEL SCHEDULES DETAILS DETAILS

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<u>FIRE PROTECTION</u>

FLL-D-TRACO-F101 FLL-D-TRACO-F102 BASE BUILDING AND LINK PLAN GENERATOR BUILDING PLAN



Wiley|Wilson 5901 Peachtree Du Bldg. C, Ste 515 Atlanta, Georgia 30 678.320.1888 wileywilson.com

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5901 Peachtree Dunwoody Rd. Bldg. C, Ste 515 Atlanta, Georgia 30328-6055	REVIEWED E	SUBMITTED BY			APPROVED BY				А
678.320.1888		SUBMITTER'S	S TITLE	- CIVIL ENGINEER	APPROVER'S	TITLE - MA	ANAGER		
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WW JOB NUMBER: 219075.00		DRAWN CHECKED	CRK RAB	ATLANTA TERMINAL ENGINEERING CENTER	DRAWING NO	FLL-D-T()WB-G001	REV	
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	DRAWING NUMBER	TITLE		
Н	ATCT			
	GENERAL			
	FLL-D-ATCT-G000	COVER SHEET		
	DEMOLITION			
	FLL-D-ATCT-D100	ARCHITECTURAL – GROUND		
	FLL-D-ATCT-D101 FLL-D-ATCT-D102	ARCHITECTURAL – CABLE A ARCHITECTURAL – SUBJUNC		
G	FLL-D-ATCT-D103	ARCHITECTURAL - CAB FLO		
	FLL-D-ATCT-D300	mechanical – ground lev	EL AND SUBJUNCTION L	EVEL 2 DEMOLITION
	FLL-D-ATCT-D301	MECHANICAL - SUBJUNCTIO		ON LEVEL DEMOLITION
	FLL-D-ATCT-D400 FLL-D-ATCT-D500	PLUMBING - GROUND LEVEL ELECTRICAL - GROUND LEV		EVEL 2 DEMOLITION
	FLL-D-ATCT-D501	ELECTRICAL - SUBJUNCTIO		
	ARCHITECTURAL			
F	FLL-D-ATCT-A000	LEGEND, SYMBOLS AND GEN	ERAL NOTES	
	FLL-D-ATCT-A100	GROUND LEVEL AND SECOND	LEVEL PLAN	
	FLL-D-ATCT-A101	CABLE ACCESS PLAN AND S		
	FLL-D-ATCT-A102 FLL-D-ATCT-A103	SUBJUNCTION LEVEL 1 AND CAB LEVEL FLOOR AND ROO		
	FLL-D-ATCT-A121	CABLE ACCESS 7TH LEVEL		
	FLL-D-ATCT-A500	FINISH SCHEDULE AND COL	OR SELECTIONS	
	FLL-D-ATCT-A505	DOOR TYPES, SCHEDULE AN		
E	FLL-D-ATCT-A610 FLL-D-ATCT-A611	CATWALK AND CAB ROOF DE Catwalk hatch and cab d		
	MECHANICAL			
	FLL-D-ATCT-M100	GROUND LEVEL AND SUBJUN		
	FLL-D-ATCT-M101 FLL-D-ATCT-M500	SUBJUNCTION LEVEL 1 AND HVAC SCHEDULES	JUNCTION LEVEL - HV	AC
	FLL-D-ATCT-M800	CONTROL SYSTEM DIAGRAM	FOR AHUS-T1/T1B, T4/	T4B
D	FLL-D-ATCT-M801	SEQUENCE OF OPERATION A		
	FLL-D-ATCT-M802	CONTROL SYSTEM DIAGRAM	FUR FCU-IZ AND FCU-I	3
	<u>Plumbing</u>			
	FLL-D-ATCT-P400	GROUND LEVEL PLAN – NEW	WORK	
	ELECTRICAL			
\bigcap	FLL-D-ATCT-E120	GROUND LEVEL POWER PLAN		
\bigcirc	FLL-D-ATCT-E121 FLL-D-ATCT-E122	SUBJUNCTION LEVEL 2 POW SUBJUNCTION LEVEL 1 AND		WORK
	FLL-D-ATCT-E160	CAB LEVEL ROOF PLAN - L		WORK
	FLL-D-ATCT-E500	PANEL SCHEDULES		
	FLL-D-ATCT-E501	PANEL SCHEDULES		
	FIRE PROTECTION			
В	FLL-D-ATCT-F101	GROUND LEVEL AND CABLE		
	FLL-D-ATCT-F102 FLL-D-ATCT-F103	CABLE ACCESS (TYPICAL) SUBJUNCTION LEVEL 1 AND		
	FLL-D-ATCT-F501	DETAILS	SUNCTION LEVEL TEAM	5
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Wiley Wilson	FT LAUDE	RDALE	(INTERNATION)	AL)	FL	
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A AMPERE AA AIR COOLED AAV AUTOMATIC AIR VENT ABG ABOVE FINISHED GRADE AC ALTERNATING CURRENT, ABOVE CEILING A/C AIR CONDITIONING ACC AIR COOLED CHILLER ACDFC AIR COOLED DRY FLUID COOLER ACI AMERICAN CONCRETE INSTITUTE ACM ASBESTOS CONTAINING MATERIAL ACT ACOUSTICAL CEILING TILE, ACCESS CONTROL TERMINA AD ACCESS DOOR, AREA DRAIN	COMM COMMUNICATIONS CONC CONCRETE COND CONDENSATE CONFIG CONFIGURATION CONN CONNECTION CONT CONTINUATION CONTR CONTRACTOR COR CONTRACTOR COR CONTRACTING OFFICER'S REPRESENTATIVE CPC CRITICAL POWER CENTER CPT CARPET CPU CENTRAL PROCESSING UNIT AL CR CONTROL RELAY CS CONTROL SWITCH	F F FIRE WATER SUPPLY °F DEGREES FAHRENHEIT FA FIRE ALARM, FREE AREA, FAN COOLED, FRESH AIR FAA FEDERAL AVIATION ADMINISTRATION FACP FIRE ALARM CONTROL PANEL FACT FACTORY FC FACE OF CURB, FLEXIBLE CONNECTION FCO FLOOR CLEANOUT FCU FAN COIL UNIT FCV FLOW CONTROL VALVE FD FLOOR DRAIN, FIRE DAMPER FDC FIRE DEPARTMENT CONNECTION	J JB JUNCTION BOX JP JOCKEY PUMP JT JOINT K K KA KILOAMPERES KCMIL THOUSAND CIRCULAR MILLS KV KILOVOLT AMPERES KVA KILOVOLT AMPERES KVA KILOVOLT AMPERES KVA KILOVOLT AMPERES-REACTIVE KW KILOWATT KWH KILOWATT HOUR
AD ADJUSTABLE AF AMPERE FRAME AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE AFR ABOVE FINISHED ROOF AH AIR HANDLER AHU AIR HANDLING UNIT AIC AMPERE INTERRUPTING CAPACITY AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION AL AIRPORT LIGHTING, ALUMINUM AL-GL ALUMINUM AND GLASS ALUM ALUMINUM AMM AMMETER	CSF CHEMICAL SHOT FEEDER CT COOLING TOWER, CABLE TRAY, CURRENT TRANSFORMER, CERAMIC TILE CTL CONTROL CU CONDENSING UNIT, COPPER CU FT CUBIC FOOT/FEET CV CONSTANT VOLUME, CONTROL VALVE CVC CENTRAL VACUUM CLEANER CW COLD (DOMESTIC) WATER CWP CONDENSER WATER PUMP, CHILLED WATER PUMP CWR CONDENSER WATER RETURN CWS CONDENSER WATER SUPPLY CWV COMBINATION WASTE AND VENT	FDNFOUNDATIONFDRFEEDERFEFIRE EXTINGUISHERFECFIRE EXTINGUISHER CABINETFFFLY FANFFEFINISHED FLOOR ELEVATIONFGFIBERGLASSFHFIRE HYDRANTFHCFIRE HOSE CABINETFHVFIRE HOSE VALVEFIGFIGUREFINFINISHFLAFULL LOAD AMPERES	L L&S LOUVER AND SCREEN LAT LEAVING AIR TEMPERATURE LBD LINEAR BAR DIFFUSER LBG LINEAR BAR GRILLE LBR LINEAR BAR RETURN LBS POUNDS LD LINEAR DIFFUSER LF LINEAR FEET LFS LIGHTING FIXTURE SCHEDULE LH LONG LEG HORIZONTAL LLV LONG LEG VERTICAL
ANNANNUNCIATORANSIAMERICAN NATIONAL STANDARDS INSTITUTEAOANALOG OUTPUTAPANNUNCIATOR POINT, ACCESS PANELAPDAIR PRESSURE DROPAPPROXAPPROXIMATELYARCHARCHITECT, ARCHITECTURALARTSAUTOMATED RADARA/SAIR SEPARATORA/SAUDIBLE STROBEASHRAEAMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERSASMEAMERICAN SOCIETY OF MECHANICAL ENGINEERSATAMPERE TRIPATBMAIRWAY/TERMINAL BUILDING MAINTENANCE FACILITYATCACOUSTICAL TILE CEILING ATCATCAIR TRAFFIC CONTROL	CY YD CUBIC YARD D DRAIN DAMP DAMPER DB DRY BULB, DIRECT BURIAL, DUCTBANK DBL DOUBLE DC DIRECT CURRENT DDC DIRECT DIGITAL CONTROL DEG DEGREE DEMO DEMOLITION DET DETAIL DG DOOR GRILLE DHW DOMESTIC HOT WATER DI DIGITAL INPUT DIA DIAMETER DIAG DIAGONAL DIFF DIFFUSER	FLEXFLEXIBLEFLSFLOW SWITCH, FIRE AND LIFE SAFETYFLUORFLUORESCENTFMFACTORY MUTUAL, FORCE MAINFOFIBER OPTICFODFACE OPERATED DAMPERFOGFUEL OIL GAGEFORFUEL OIL RETURNFOSFUEL OIL SUPPLYFOTFIBER OPTIC TERMINAL, FUEL OIL TRANSFERFPFIRE PUMPFPMFEET PER MINUTEFPUFIELD PROGRAMMING UNITFSFLOW SWITCH, FLOOR SINKFSDFIRE/SMOKE DAMPERFSSFUSIBLE SAFETY SWITCHFTFEET	LONG LONGITUDINAL LOSP LOCAL OPERATING STATUS PANEL P LOW POINT LRA LOCKED ROTOR AMPERE LRAG LINEAR RETURN AIR GRILLE LRG LINEAR RETURN GRILLE LS LIGHT STANDARD LSD LINEAR SLOT DIFFUSER LT LIQUID TIGHT LTG LIGHTING LV LOW VOLTAGE LVL LEVEL LWT LEAVING WATER TEMPERATURE MAG MAGNETIC DOOR HOLD OPEN MAINT MAINTENANCE MAX MAXIMUM
ATCT AIRPORT TRAFFIC CONTROL TOWER ATS AUTOMATIC TRANSFER SWITCH ATV ATMOSPHERIC VENT AUX AUXILIARY AV AUTOMATIC VENT AVG AVERAGE AWG AMERICAN WIRE GAUGE AWS AMERICAN WELDING SOCIETY B BAT CHGR BATTERY CHARGER	DPDI DUUBLE PULE DUUBLE IHRUW D PNL DISTRIBUTION PANEL DPST DOUBLE POLE SINGLE THROW	FV FULL VOLTAGE FVC FIRE VALVE CABINET FW FIRE WATER FWS FIRE WATER SUPPLY FWD FORWARD, FIRE SPRINKLER WATER DRAIN G GROUND GA GAUGE	MBH THOUSAND BTU/HOUR MBP MAINTENANCE BYPASS PANEL MCB MOLDED CASE BREAKER MCC MOTOR CONTROL CENTER MCM THOUSAND CIRCULAR MILLS MCP MOTOR CIRCUIT PROTECTOR MD MANUAL DAMPER MDF MEDIUM DENSITY FIBERBOARD MDT MAIN DISTRIBUTION TERMINAL MECH MECHANICAL MED MEDIUM
BBHWHBASEBOARD HOT WATER HEATERBCBARE COPPERBCKPBACKUPBDDBACKDRAFT DAMPERBFBELOW FLOOR (PIPE SIZE)BFCBELOW FINISHED CEILINGBFPBACKFLOW PREVENTERBIBACK WARD INCLINEDBITSBYPASS ISOLATION TRANSFER SWITCHBLDGBUILDING	DSF DESTRATIFICATION FAN DT DOUBLE THROW, DIAPHRAM TANK DTS DOUBLE THROW SWITCH DWBP DOMESTIC WATER BOOSTER PUMP DWDI DOUBLE WIDTH DOUBLE INLET DWGS DRAWINGS DWL DOWEL E E EAST	GALV GALVANIZED GEN GENERAL, GENERATOR GFCI GROUND FAULT CIRCUIT INTERRUPTER GFE GOVERNMENT FURNISHED EQUIPMENT GFM GOVERNMENT FURNISHED MATERIAL GND GROUND CONNECTOR GOVT GOVERNMENT GPH GALLONS PER HOUR GPM GALLONS PER MINUTE	MEMB MEMBRANE MFR MANUFACTURER MG MOTOR GENERATOR MH MANHOLE MIL THOUSANDTHS OF AN INCH MIL ST MILITARY STANDARD MIN MINIMAL, MINUTE, MINIMUM MISC MISCELLANEOUS MLO MAIN LUGS ONLY MM MILLIMETER MOD MOTOR OPERATED DAMPER
BLK BLACK BOD BOTTOM OF DUCT, BACKDRAFT DAMPER BOF BOTTOM OF FIXTURE BOP BOTTOM OF PIPING BOT BOTTOM BP BOOSTER PUMP BPU BREAKER PROGRAMMING UNIT BSDC BARE SOFT DRAWN COPPER BSMT BASEMENT BTU BRITISH THERMAL UNIT BTU BRITISH THERMAL UNIT/HOUR	EA EACH, EXHAUST AIR EAT ENTERING AIR TEMPERATURE ECP ENGINE CONTROL PANEL EDAM ELECTRICAL DATA ACQUISITION AND MONITORING EDH ELECTRIC DUCT HEATER EF EXHAUST FAN EG, E/G ENGINE GENERATOR, EXHAUST GRILLE EMERGENCY GENERATOR EH ELECTRIC HEATER, ELECTRONIC HUMIDIFIER EHC ELECTRIC HEATING COIL EIFS EXTERIOR INSULATION FINISH SYSTEM	GRS GALVANIZED RIGID SIEEL GUH GAS FIRED UNIT HEATER GWB GYPSUM WALLBOARD GYP GYPSUM H HAZMAT HAZARDOUS MATERIALS HB HOSE BIBB HEX HEXAGONAL HH HAND HOLE HM HOLLOW METAL H, MET, HOLLOW METAL	MOD MOTOR OPERATED DAMPER MPG MULTI-POINT GROUND MTD MOUNTED MTL METAL MUA MAKE-UP AIR MUW MAKE-UP WATER MUW MAKE-UP WATER MV MANUAL VENT MVA MEGAVOLT AMPERE MVD MANUAL VOLUME DAMPER
C C CONDUIT CAP CAPACITY CAV CONSTANT AIR VOLUME CB CIRCUIT BREAKER CBCR CURVED BLADE CEILING REG. CCTV CLOSED CIRCUIT TELEVISION CD CEILING DIFFUSER, CONDENSATE DRAIN CENT CENTRIFUGAL CENTRIF CENTRIFUGAL	ELEC ELECTRIC ELEV, EL ELEVATION, ELEVATOR EMCS ENERGY MANAGEMENT AND CONTROL SYSTEM EMERG EMERGENCY EMI ELECTROMAGNETIC INTERFACE EMS ENERGY MANAGEMENT SYSTEM EMT ELECTRICAL METALLIC TUBING ENT ENTERING EQ EQUAL EQUIP EQUIPMENT	HOA HAND-OFF-AUTOMATIC HORIZ HORIZONTAL HP HORSEPOWER HPS HIGH PRESSURE SODIUM HR HOUR HS HIGH STRENGTH HSB HIGH STRENGTH BOLT HT HEIGHT HTG HEATING HTR HEATER	SCALES SHOWN FOR 22" X 34" SHEET. ADJUST SCALES FOR OTHER SIZES. PAGE OF
CAF COMBUSTION AIR FAN CF CUBIC FOOT/FEET CFACC CENTRIFUGAL FAN AIR COOLED CONDENSER CFM CUBIC FEET PER MINUTE CH CHILLER CHKD CHECKERED CHW CHILLED WATER CHWR CHILLED WATER RETURN CHWS CHILLED WATER SUPPLY CWP CHILLED WATER PUMP	ER EXHAUST REGISTER ERMS ENVIRONMENTAL REMOTE MONITORING SYSTEM ESP EXTERNAL STATIC PRESSURE ET EXPANSION TANK EUH ELECTRIC UNIT HEATER EW EACH WAY EWC ELECTRICAL WATER COOLER EWH ELECTRIC WALL HEATER, ELECTRIC WATER HEATER EWT ENTERING WATER TEMPERATURE EXH EXHAUST	HU HUMIDIFIER HVAC HEATING, VENTILATION AND AIR CONDITIONING HWP HOT WATER PUMP HWR HOT WATER RETURN HWS HOT WATER SUPPLY HWUH HOT WATER UNIT HEATER HX HEAT EXCHANGER HZ HERTZ I	Image: Second
CWR CHILLED WATER RETURN CWS CHILLED WATER SUPPLY C.I.P. CAST IN PLACE CKT CIRCUIT CL CENTERLINE CLF CURRENT LIMITING FUSE CLG CEILING CLR CLEAR CM COMMUNICATION MANHOLE CMU CONCRETE MASONRY UNIT	EXIST EXISTING EXP EXPOSED, EXPANSION	IC INTERCOMMUNICATION, INTERCOM IE INVERT ELEVATION IN INCHES INCAND INCANDESCENT INCL INCLUDE INDIC INDICATOR INSUL INSULATED INT INTERIOR INV INVERT ISMS INTEGRATED SECURITY MANAGEMENT SYSTEM	09/24/2020 MAJOR IMPROVEMENTS GENERAL ABBREVIATIONS - SHEET 1 FT LAUDERDALE (INTERNATIONAL) FL 5901 Peachtree Dunwoody Rd. REVIEWED BY SUBMITTED BY
A CO CLEANOUT, CONDUIT ONLY COL COLUMN Selfes 8 1991 Sources S	6	5 4	Bidg. C, Ste 515 Atlanta, Georgia 30328-6055 SUBMITTER'S TITLE - CIVIL ENGINEER APPROVER'S TITLE - MANAGER 678.320.1888 SUBMITTER'S TITLE - CIVIL ENGINEER APPROVER'S TITLE - MANAGER wileywilson.com DESIGNED crk WW JOB NUMBER: 219075.00 CHECKED RAB 3 2 1

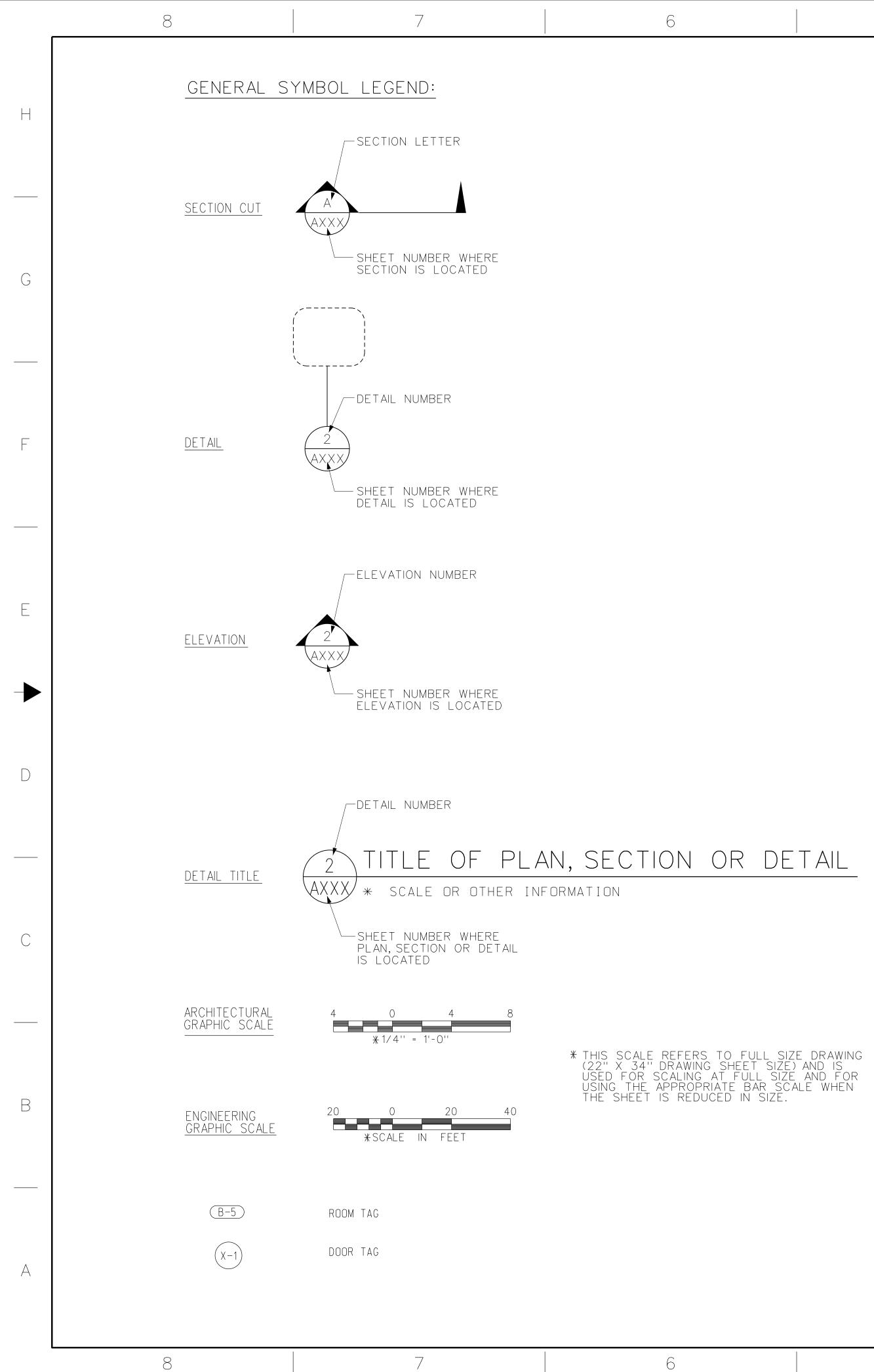
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Н	NFHB NON-FREEZE HOSE BIB NFPA NATIONAL FIRE PROTEC NG NATURAL GAS NIC NOT IN CONTRACT NK NECK NO NUMBER OF DESIGNATIO	MANUFACTURERS' ASSOCIATION CTION ASSOCIATION	RL RM RMH RMS RO RP BP RPM RPZ RQMTS RTN RTU RV	RAIN LEADER ROOM ROOF MOUNTED HOOD RADAR MICROWAVE LINK ROOT MEAN SQUARE REVERSE OSMOSIS REDUCED PRESSURE BACKFLOW PR ROTATIONS PER MINUTE, REVOLU REDUCED PRESSURE ZONE REQUIREMENTS RETURN ROOF TOP UNIT RELIEF VALVE	REVENTER JTIONS PER MINUTE	UGP UH UL UNF UNO UON	UNIFORM BUILDING CODE UNDERCUT UNDERGROUND UNDERGROUND POWER UNIT HEATER UNDERWRITER'S LABORATORY UNFUSED UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED UNIFORM PLUMBING CODE UNIFORM PLUMBING CODE UNINTERUPTIBLE POWER SUPPLY UTILITY	
G	N.O. NORMALLY OPEN NOM NOMINAL NTE NOT TO EXCEED NTS NOT TO SCALE O OA OUTSIDE AIR OAF OUTSIDE AIR FAN OBD OPPOSED BLADE DAMPER OC ON CENTER OD OUTSIDE DIAMETER, ON ODP OPEN DRIP PROOF OE OPEN END OH OPPOSITE HAND, OVERH OPNG OPENING OPP OPPOSITE	VERFLOW DRAIN HEAD	S SA SAN SC SCC SCC SCHED SCHWP SCHWP SCHWR SCHWS SCHWS SCND SCP SD S.D. SEC	SOUTH, STAIN COLOR, SANITARY SUPPLY AIR SANITARY SPIN IN COLLAR WITH VOLUME D SOLID CORE SECURITY CONTROL CENTER SCHEDULE SECONDARY CHILLED WATER PUMP SECONDARY CHILLED WATER RETU SECONDARY CHILLED WATER SUPP SECONDARY SYSTEM CONTROL PANEL, SMOKE SPLITTER DAMPER STORM DRAIN, SUPPLY DIFFUSER SECONDARY	OAMPER, SENSIBLE COOLIN S JRN PLY CONTROL PANEL	V V VAC VAC VAC VB VCT VD VDT VDT VENT VENT VEST VEST VFD VM VPF VTR	VOLT, VOLTAGE, VENT VOLT AMPERE, VOICE ALARM VACUUM VARIABLE AIR VOLUME VACUUM BREAKER VINYL COMPOSITE TILE VOLUME DAMPER - MANUAL VIDEO DISPLAY TERMINAL VENTILATION VERTICAL VESTIBULE VARIABLE FREQUENCY DRIVE VOLTMETER VESTIBLE PRESSURIZATION FAN VENT THROUGH ROOF	
F	ORD OVERFLOW ROOF DRAIN ORL OVERFLOW ROOF LEADER OSA OUTSIDE SUPPLY AIR OSCO OUTSIDE CLEANOUT OVHD OVERHEAD OZ OUNCES P P POLE, PAINT, PUMP PABX PRIVATE AUTOMATIC BR PART PARTITION PB PULL BOX PCF POUNDS PER CUBIC FOO PCHWR PRIMARY CHILLED WATE PCHWS PRIMARY CHILLED WATE	RANCH EXCHANGE DT ER RETURN	SECT SENS SF SG SGL SHDWN SHLD SHT SIM SMACNA SOV SP SPEC SPF	SECTION SENSIBLE SQUARE FEET SUPPLY GRILLE SINGLE SHUT DOWN SHIELDED SHEET SIMILAR SHEET METAL AND AIR CONDITIO NATIONAL ASSOCIATION SHUT-OFF VALVE STATIC PRESSURE(IN W.G.), SI SPECIFICATION STAIRWELL PRESSURIZATION FAN	NGLE POLE, SUMP PUMP	W W/ W/O WB WC WCO WG WH WHA WH WHA WM WMS WP	WEST, WIDTH, WATT WITH WITHOUT WET BULB WATER COLUMN, WATER CLOSET, WALL COVERING WALL CLEANOUT WATER GAUGE WATER HEATER, WALL HEATER, WALL HYDRANT WATER HAMMER ARRESTER WATT METER WIRE MESH SCREEN SUBSCRIPT "WP" APPLIED TO ANY SYMBOL INDICATES WEATHERPROOF NEMA TYPE 3R OR EQUIVALENT, UON	5
E	PCMSPOWERCONTROLMONITOPCSPOWERCONDITIONINGSPDPRESSUREDROPPFPOWERFACTORPFDPERFORATEDFACEPFRPERFORATEDFACEPHELECTRICALPHASEPIPRESSUREINDICATORPIUPOWERINDUCTIONPLPLATEPLBGPLUMBINGPLCSPLACESPLYWDPLYWOODPMPOWERPMPOWER	DRING SYSTEM SYSTEM FUSER JRN	SPST SPT SQ SQ.FT. SR SRG SS S/S ST STD STD STGP STL STP	SINGLE POLE SINGLE THROW STATIC PRESSURE TRANSMITTER SUPERVISORY CONDITION SQUARE SQUARE FOOT/FEET SUPPLY REGISTER SIGNAL REFERENCE GRID STAINLESS STEEL START-STOP SHUNT TRIP STANDARD SIGNAL TRANSPORT GROUND PLAN STEEL SHIELDED TWISTED PAIR		WPD WSW WT WWF X XFR XFR XFMR XMTR XDCR Y	WATER PRESSURE DROP WASHDOWN SUPPLY WATER WATER TANK WATER WELDED WIRE FABRIC AUXILIARY RELAY TRANSFER TRANSFORMER TRANSFORMER TRANSDUCER	
D	PMBPOWER MIXING BOXPNLPANEL, PANELBOARDP.O.C.POINT OF CONNECTIONPOSPOSITIVE, POSITIONPPPOWER POLE, PATCH PAREFABPREFABPREFABRICATEDPRESSPRESSUREPRMYPRIMARYPRSRPRESSURIZATIONPROPPROPELLERPRVPRESSURE REDUCING VAREPSPRESSURE SWITCHPSFPOUNDS PER SQ. FOOTPSIPOUNDS PER SQ. INCH	ANEL ALVE	STRUCT SUBJ SUSP SW SWBD SWG SWGR SWGR SWSI SWSI SWSR SYM SYS T	STRUCTURAL SUBJUNCTION SUSPENDED SWITCH SWITCHBOARD SIDEWALL GRILLE SWITCHGEAR SIDEWALL REGISTER SINGLE WIDTH SINGLE INLET SIDE WALL SUPPLY REGISTER SYMMETRICAL SYSTEM		Υ Υ-Δ Ζ Ζ	WYE DELTA IMPEDANCE	
С	PTAC PACKAGED TERMINAL A PVC POLYVINYL CHLORIDE, PVMT PAVEMENT Q QUA QUARTER R R RED, RISER, RADIATOF RA RETURN AIR, REMOTE A RACP REMOTE ACCESS CONTRO	AUGE R, PRESSURE-TEMPERATURE PORT IR CONDITIONER POINT OF VERTICAL CURVATURE R, RADIUS, REFRIGERANT ANNUNCIATOR	T&B T&P TB TC TD TEF TEL TELCO TEMP TERM TG THK TOC	TRANSDUCER TOP AND BOTTOM TEMPERATURE AND PRESSURE TERMINAL BOX, TERMINAL BOARD TRIP COIL, TOTAL COOLING, TI TIME DELAY, TRENCH DRAIN TOILET EXHAUST FAN TELEPHONE TELEPHONE COMPANY TEMPERATURE TERMINAL TRANSFER GRILLE THICK, THICKNESS TOP OF CONCRETE				
B	RD ROOF DRAIN RDF RUBBER RAISED DISK F RE RESIDENT ENGINEER REBAR REINFORCING STEEL BA REC RECEPTACLE REC'D RECEIVED RECP RECEPTACLE RECT RECEPTACLE RECT RECEPTACLE REF REFERENCE REG REGISTER	PIPE, REFLECTED CEILING PLAN Floor Ar _E	TOWB TP TRBL TRACO TS TSP T°STAT TT TTB TV	TOP OF DUCT TOP OF STEEL ATCT AND ATTACHED BASE BUILD TRAP PRIMER, TWISTER PAIR TROUBLE CONDITION TERMINAL RADAR APPROACH CONT TWO SPEED TOTAL STATIC PRESSURE, TRAP THERMOSTAT TEMPERATURE TRANSMITTER TELEPHONE TERMINAL BOARD TELEVISION, TEMPERING VALVE TRANSIENT VOLTAGE SURGE SUPP TYPICAL TEMPERED WATER	ROL BUILDING SEAL PRIMER			
A	REINF REINFORCEMENT, REINF REQ'D REQUIRED RET RETURN REV REVISION RF RETURN FAN RFI RADIO FREQUENCY INTE RG RETURN GRILLE RGS RIGID GALVANIZED STE	ERFERENCE		1				



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<u>G</u> [<u>eneral notes</u>	
1.	FOR ALL ABBREVIATIONS REFERENCE DRAWINGS GO10 & GO11.	
2.	DO NOT SCALE DRAWINGS.	
3.	VERIFY FIELD CONDITIONS PRIOR TO COMMENCING EACH PORTION OF THE WORK.	

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	INTERNATIONAL FIR INTERNATIONAL MEC INTERNATIONAL PLU NATIONAL ELECTRIC NATIONAL FIRE PRO NATIONAL FIRE PRO	LDING CODE (IBC), 2015. RE CODE (IFC), 2015. CHANICAL CODE (IMC), 2015. UMBING CODE (IPC), 2015. CAL CODE (NEC), 2017. DIECTION ASSOCIATION (NFPA) 13, STANDARD DIECTION ASSOCIATION (NFPA) 20, STANDARD DIECTION ASSOCIATION (NFPA) 70, NATIONAL DIECTION ASSOCIATION (NFPA) 70, NATIONAL DIECTION ASSOCIATION (NFPA) 72, NATIONAL DIECTION ASSOCIATION (NFPA) 75, STANDARD DIECTION ASSOCIATION (NFPA) 90A, STANDARD DIECTION ASSOCIATION (NFPA) 90A, STANDARD DIECTION ASSOCIATION (NFPA) 92, STANDARD DIECTION ASSOCIATION (NFPA) 101, LIFE SAF DIECTION ASSOCIATION (NFPA) 110, STANDARE DIECTION ASSOCIATION (NFPA) 100, STANDARE DIECTION ASSOCIATION (NFPA) 100, STANDARE	FOR THE INSTALLATION STATIONARY ELECTRICAL CODE, 2017. FIE ALARM AND SIGNALING CODE, 2 FOR THE PROTECTION OF INFORMATI FOR THE INSTALLATION OF AIR-CO FOR SMOKE CONTROL SYSTEMS, 2015 FETY CODE, 2015 FOR EMERGENCY AND STANDBY POWE
	PLAN AND PROVIDE NOTICE TO PROCEED SIGNIFICANT AMOUN CONSTRUCTION NOIS AREA DURING ALL O THE CONSTRUCTION FACILITY DURING N DISRUPTION TO THE LOCKOUT AND TAG F IF NECESSARY ALL RELOCATED BY THE CONTRACTOR SHALL PAINTING, CURING	<u>ON NOTES</u> ATE PHASING PLAN WITH FACILITY TO MINIMIZ A COMPLETE AND COMPREHENSIVE SCHEDULE TO D IS ISSUED. SCHEDULE SHALL OUTLINE ALL F ATS OF WORK MUST BE COMPLETED AFTER NORM SE, DUST AND DEBRIS MUST NOT INTERFERE W GENERAL CONSTRUCTION SEQUENCES. OF THIS PROJECT MUST NOT INTERFERE WITH NORMAL OPERATING HOURS. ALL WORK NEEDS E NORMAL OPERATIONS OF THE FACILITY. NORM PROCEDURES MUST BE FOLLOWED AT ALL TIMES ELECTRONIC EQUIPMENT CIRCUITS SHALL BE F CONTRACTOR. COORDINATE WITH CONTRACTING USE VERY LOW VOC PAINTS AND COATINGS AND OF FRP RESINS AND OTHER CONSTRUCTION ACT ALL APPROVE THE SYSTEM TO BE UTILIZED FO	D THE CONTRACTING OFFICERS REPRE PHASES OF THE WORK AND THEIR IMP AL OPERATING HOURS. ITH OPERATION OF ATCT FACILITY. OPERATION OF THE AIR TRAFFIC CC TO BE COORDINATED WITH FAA CONTR MAL HOURS OF OPERATION ARE STATE RELOCATED BY THE FAA. ALL OTHER OFFICERS REPRESENTATIVE. D PROVIDE ADEQUATE MEASURES FOR TIVITIES THAT HAVE THE POTENTIAL
	DO NOT PAINT OVER REINSTALL ALL SMO ALL INTERIOR DIME ALL EXTERIOR DIME MANUFACTURED ITEM IF AN UNSAFE CONE IMMEDIATELY. ANY DISCREPANCIES THEREIN, SHALL BE PRIOR TO THE BEGO THE COST OF ANY O	R ANY FIRE DOOR LABEL. DKE/FIRE DETECTORS AS REQUIRED. ENSIONS ARE FROM THE FACE OF STUD OF MASC ENSIONS ARE FROM THE EXTERIOR FACE OF WAL MS SHALL BE INSTALLED IN ACCORDANCE WITH DITION OR LIFE THREATENING HAZARD IS NOTE	ONRY STRUCTURE, UNLESS OTHERWISE _L. MANUFACTURER'S INSTRUCTIONS. ED AT THE SITE, NOTIFY THE FAA C HE CONTRACT DOCUMENTS, OR ANY A RS REPRESENTATIVE (COR) IMMEDIAT ROCEEDS IN VIOLATION OF THIS PRI LY MODIFY SUCH WORK SHALL BE SOL
	FIXTURES OR BUILE EXISTING APPEARAN STRUCTURAL INTEGEN IF A PORTION OF A	<u>NOTES</u> ROTECTED DURING CONSTRUCTION AND FROM DAN DING ASSEMBLIES. REPAIR ALL AREAS AFFECTENCE, UNLESS NOTED OTHERWISE. RITY SHALL BE MAINTAINED FOR ALL BUILDING AN EXISTING WALL IS DEMOLISHED OR PATCHED RUCTION IS COMPLETED.	ED BY THE CONSTRUCTION TO MAINT G ELEMENTS DURING AND AFTER DEMC
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CONSTRUCTION STAGING NOTES

THE FOLLOWING NOTES REPRESENT MANY OF THE MAJOR REQUIREMENTS STATE PARAPHRASE OR SUPPLEMENT DIVISION 1 REQUIREMENTS AND ARE NOT INTENE CONSTRUCTION ACCESS (VEHICLE, PEDESTRIAN AND DELIVERIES), CONTRACT STAGING AREA MUST BE COORDINATED WITH SITE PERSONNEL VIA THE FAA CI A. CONSTRUCTION ACCESS

- 1. DELIVERIES SHALL BE SCHEDULED 48 HOURS IN ADVANCE WITH THE FAR SHIFT CHANGES TO AVOID CONGESTION.
- B. CONTRACTOR STAGING AREA AND PARKING
- 1. CONTRACTOR'S STAGING AND PERSONNEL PARKING IS LIMITED AND SHAL SIGNS AS NECESSARY TO RESERVE AN AREA FOR CONSTRUCTION PARKING

C. FAA SECURITY REQUIREMENTS

- 1. AN ADVANCE LIST OF THE CONTRACTOR'S PERSONNEL SHALL BE PROVID REQUIRED TO OBTAIN AN FAA CONTRACTOR BADGE PRIOR TO THE START PERIMETER GATE. CONTRACTOR TO COORDINATE WITH HIS SUBS AND EM THOSE CONSTRUCTION PERSONNEL. CONTRACTOR SHALL BE RESPONSIBL BE IDENTIFIED AS SUCH. EACH CONSTRUCTION EMPLOYEE SHALL CHEC
- 2. THE BUILDING IS A SECURE AREA, AND CONSTRUCTION PERSONNEL SHAL EGRESS.

D. CONSTRUCTION MATERIAL STORAGE

1. STORAGE OF CONSTRUCTION MATERIALS AND TRAILERS ON THE SITE SH STORED AND PROTECTED. A CONSTRUCTION FENCE SHALL BE PROVIDED SHALL NOT PERFORM ANY DIGGING WITHOUT PERMISSION FROM THE FAA UNDERGROUND UTILITIES MAY RUN THROUGH THE STAGING AREA AND EL:

E. CONSTRUCTION DEBRIS

- 1. ENCLOSED DUMPSTERS FOR DISPOSAL OF CONSTRUCTION DEBRIS SHALL DUMPSTERS SHALL BE KEPT CLEAN AND FREE OF DEBRIS AND DUST DUR
- 2. REMOVE ALL CONSTRUCTION AND/OR DEMOLITION DEBRIS FROM THE JOB A FIRE OR LIFE SAFETY HAZARD.

F. DEMOLITION AND CONSTRUCTION HOURS

- 1. THE CONTRACTOR SHALL NOT INTERFERE WITH THE AIR TRAFFIC CONTR IN AREAS ADJACENT TO THE AIR TRAFFIC CONTROL FUNCTION MUST BE CONSTRUCTION IN ADVANCE WITH THE FAA CONTRACTING OFFICERS REPI
- 2. SEE CONSTRUCTION SEQUENCE NOTES FOR FURTHER INFORMATION.
- 3. CONCRETE SAWING, GRINDING, CORE DRILLING, CONCRETE DEMOLITION FAA CONTRACTING OFFICERS REPRESENTATIVE.

G. EQUIPMENT PROTECTION

- 1. EXISTING FAA AIR TRAFFIC COMPUTERS AND EQUIPMENT SHALL REMAIN RESPONSIBLE FOR THE CONTINUOUS PROTECTION OF THIS EQUIPMENT F NEGLIGENCE SUCH AS, BUT NOT LIMITED TO, DISRUPTION OF POWER T SUCH DAMAGE OR DISRUPTION OF POWER SHOULD OCCUR. THE LOSS OF OF THE FLYING PUBLIC. SEE SPECIAL NOTES ON SHEET MOOO FOR AD
- 2. SHUTDOWNS, CUTOVERS AND ANY TEMPORARY PROVISIONS FOR PLUMBING HOURS. PREPARATORY WORK SHALL BE COMPLETED PRIOR TO SHUTDOWN. OFFICERS REPRESENTATIVE A MINIMUM OF 10 WORKING DAYS IN ADVAN
- 3. WELDING EQUIPMENT SHALL NOT BE POWERED BY THE FACILITY ELECTR

H. TEMPORARY FACILITIES

- 1. REFER TO SPECIFICATIONS, SECTION 01 50 00 FOR TEMPORARY FACIL
- 2. PROVIDE TEMPORARY RESTROOM TRAILERS FOR FAA PERSONNEL, WOMEN AND 2 SINKS, BOTH UNITS TO BE CONDITIONED.

_ER SYSTEMS, 2016. PUMPS FOR FIRE PROTECTION, 2016.

- 2016. ION TECHNOLOGY EQUIPMENT, 2013. DNDITIONING AND VENTILATION SYSTEMS, 2015.).
- ER SYSTEMS, 2016 PROTECTION SYSTEMS, 2015.

THE CONTRACTOR SHALL USE THIS PHASING ESENTATIVE FOR REVIEW AND APPROVAL BEFORE A PACT ON THE OPERATION OF THE FACILITY.

MAINTAIN HEPA FILTRATION OF CONSTRUCTION

ONTROL FUNCTION OR ACCESS AND EGRESS TO THE RACTING OFFICERS REPRESENTATIVE TO AVOID ED IN DIVISION 1 OF THE SPECIFICATIONS.

BUILDING SYSTEMS CIRCUITS SHALL BE

VENTILATION TO MINIMIZE ODORS DURING FOR STRONG ODORS. THE CONTRACTING OFFICERS

NOTED.

CONTRACTING OFFICERS REPRESENTATIVE

AMBIGUITIES OR INCONSISTENCIES CONTAIN TELY, AND SUITABLE RESOLUTION ESTABLISHED INCIPLE IS AT THE CONTRACTOR'S OWN RISK, AND _ELY THE RESPONSIBILITY OF THE CONTRACTOR.

OR CONCERNS, CONTACT THE FAA COR TO

FINISHES, MATERIALS, TAIN THEIR

OLITION. HALL BE PAINTED



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CTION PARKING ONLY. L BE PROVIDED TO THE F TO THE START OF WORK. A SUBS AND EMPLOYEES THE E RESPONSIBLE FOR THE (RMINED AT THE PRECONSTRUCTION CONFE FAA CONTRACTING OFFICERS REPRESENTA A FACILITY ACCESS CARD WILL BE ISSU E ACCESS TO THE FACILITY, TEMPORAR CONDUCT OF CONTRACTOR'S PERSONNEL O JT UPON ENTERING AND LEAVING THE SI	TIVE, CONTRACTOR SUPERIN ED AND WILL ALLOW ACCESS AY SECURITY BADGES MAY BE NN SITE, CONTRACTOR VEHIC	NTENDENT IS S TO THE E ISSUED TO	G
THE SITE SHALL BE LIM BE PROVIDED AT THE DIS ROM THE FAA CONTRACTIN AREA AND ELSEWHERE.	IN THE CONSTRUCTION AREAS. CONTRAC ITED TO THE CONSTRUCTION STAGING AR SCRETION OF THE FAA CONTRACTING OFF NG OFFICERS REPRESENTATIVE. BURIED D BY THE CONTRACTOR WITHIN THE STAG	EA. MATERIALS SHALL BE ICERS REPRESENTATIVE. (CABLES AND OTHER EXIST	NEATLY CONTRACTOR ING	F
AND DUST DURING CONSTRU FROM THE JOB SITE TO MA RAFFIC CONTROL FUNCTION TION MUST BE ACCOMPLISH DFFICERS REPRESENTATIVE	JCTION, DEBRIS SHALL BE REMOVED BY AINTAIN A CLEAN AND SAFE ENVIRONMEN N OF THE FACILITY, DEMOLITION NOIS HED AFTER NORMAL OPERATING HOURS,	THE CONTRACTOR IN A TIM TAND TO PREVENT THE POS E, CONSTRUCTION NOISE AN COORDINATE NIGHT WORK AN	MELY MANNER. SSIBILITY OF ND ALL WORK ND OVERTIME	E
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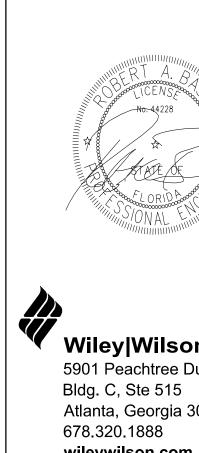
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	SUSPECTED (SEE	ASBESTOS MATERIAL LOCATI SPECIFICATIONS FOR ACM RE	ON SUMMARY PORT)		
ROOM NAME		ASBESTOS MATERIAL (ACM)	RESULTS	AFFECTED BY The project	1.
BASE BUILDING					
AF STORAGE, EAST WALL	6" BEIGE BASE BOARD	TAN MASTIC	TEM – SAMPLE NOT ANALYZED	NO	
AF STORAGE	12"X12" PEACH VINYL FLOOR TILE	TAN MASTIC	TEM – SAMPLE NOT ANALYZED	NO	Δ
CONFERENCE ROOM	12"X12" WHITE VINYL FLOOR TILE	YELLOW MASTIC	TEM – SAMPLE NOT ANALYZED ASSUME ACM	YES	
TELCO	4" BROWN VINYL BASEBOARD	TAN MASTIC	TEM – SAMPLE NOT ANALYZED	NO	3.
EQUIPMENT ROOM	12"X 12"WHITE VINYL FLOOR TILE	BLACK MASTIC	YES	NO	4.
	WITH SPOTS AND BLACK MASTIC	OFF WHITE FLOOR TILE	TEM – SAMPLE NOT ANALYZED	NO	
TELCO	12"X 12"WHITE VINYL FLOOR TILE WITH SPOTS AND BLACK MASTIC	BLACK MASTIC	YES	NO	
АТСТ					
10TH FLOOR (JUNCTION LEVEL), Equipm room	2" BLACK VINYL BASE BOARD	YELLOW MASTIC	TEM – SAMPLE NOT ANALYZED	NO	
10TH FLOOR (JUNCTION LEVEL), CORRIDOR	INTERIOR PERIMETER DRYWALL WITH JOINT COMPOUND	WHITE JOINT COMPOUND	YES	NO	
	12"X 12" WHITE VINYL FLOOR TILE GREY SPOTS	YELLOW MASTIC	TEM – SAMPLE NOT ANALYZED ASSUME ACM	YES	
10TH FLOOR (JUNCTION LEVEL), Stairs	BLACK VINYL FLOOR TILE WITH STRIKES AND MASTIC	YELLOW MASTIC	TEM – SAMPLE NOT ANALYZED	NO	



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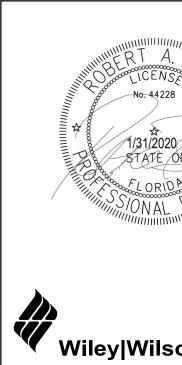
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TRACON BASE BUILDING (TRACO)

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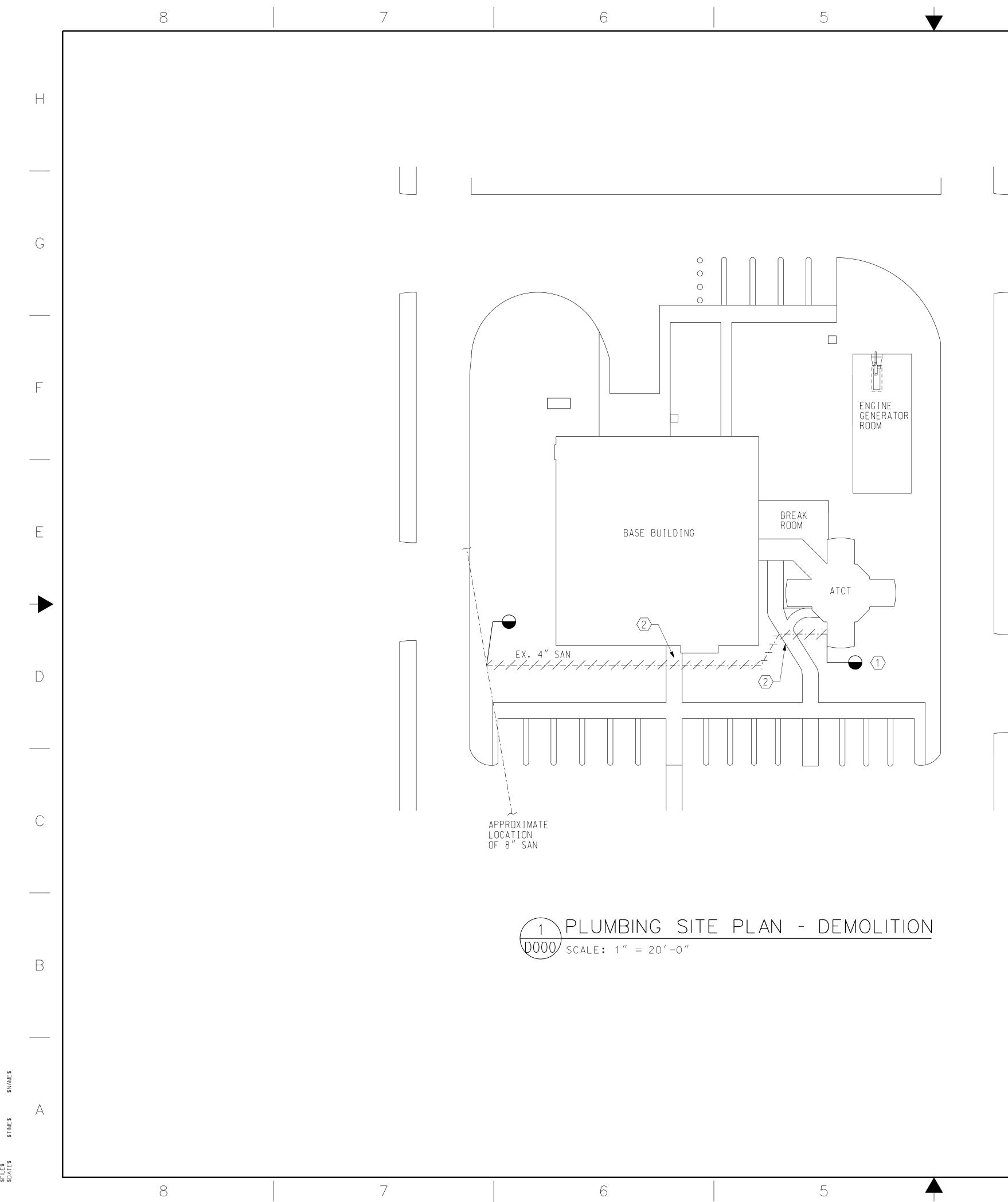
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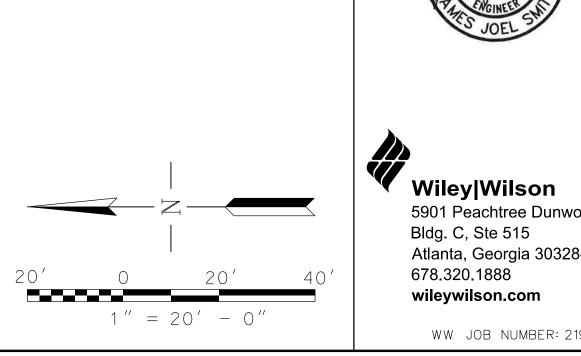
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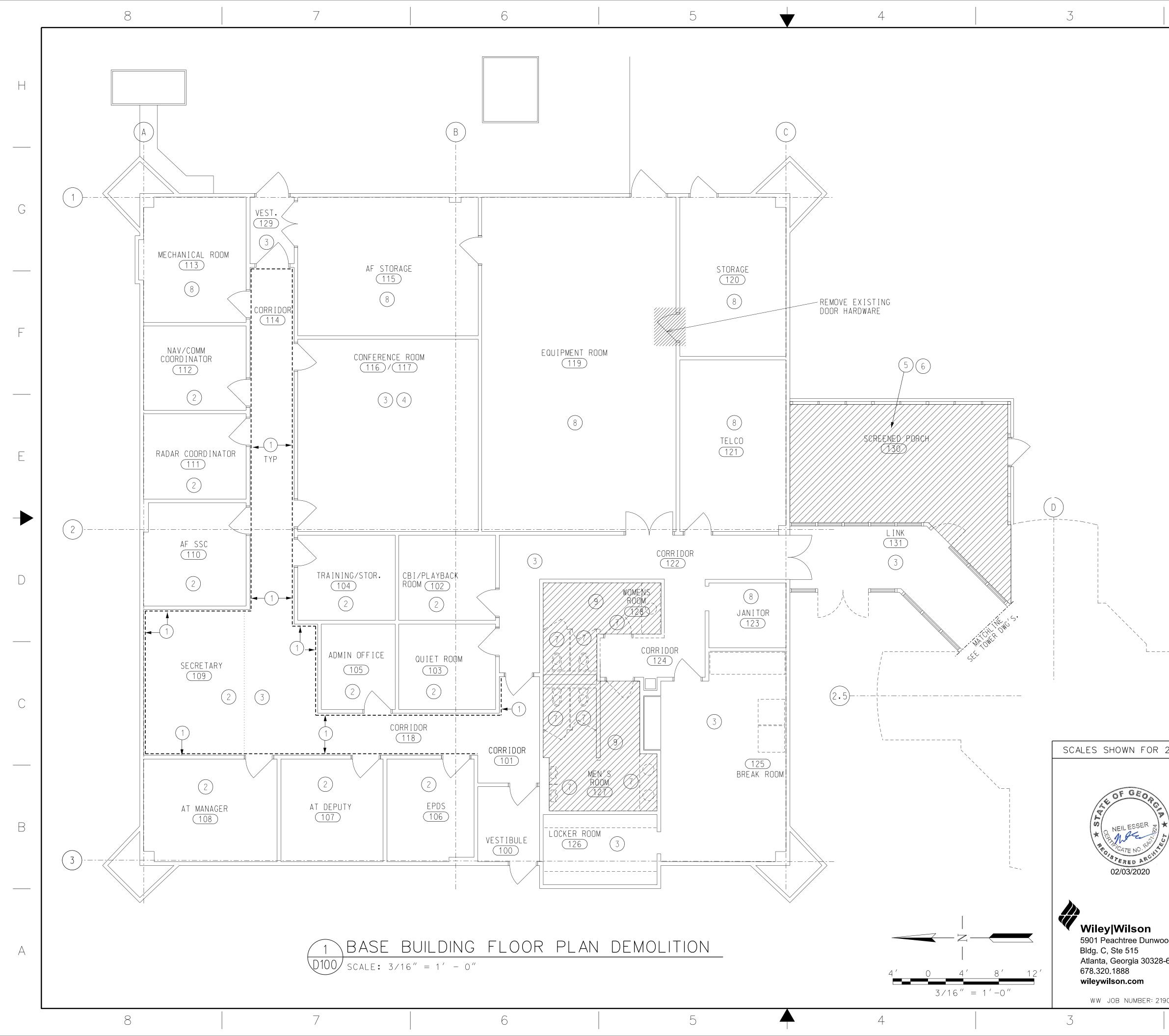
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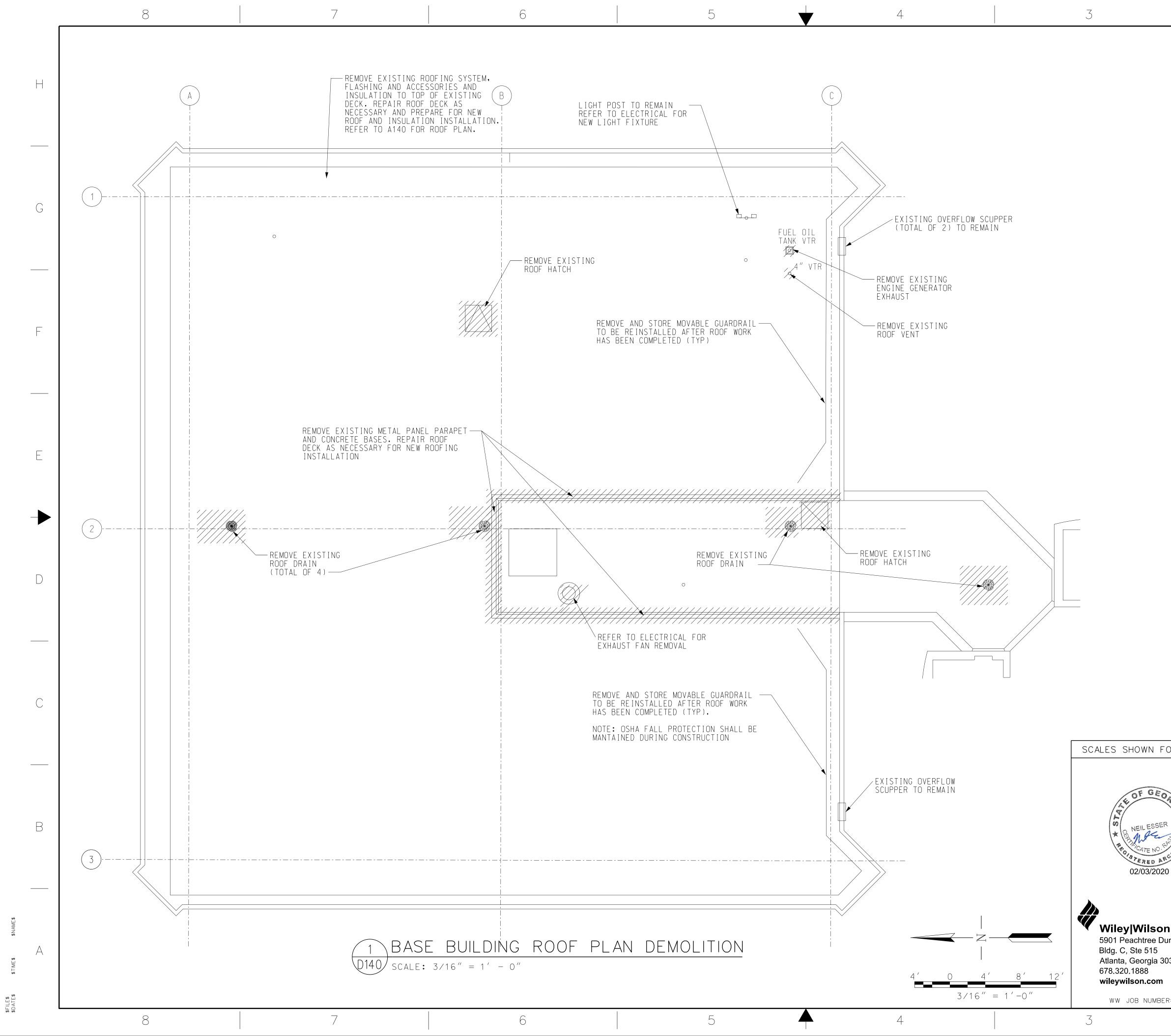


<	 NOTES REPLACE EXISTING 4" SANITARY SEWER FOR ENTIRE LENGTH OF RUN TO 8" LINE. APPROXIMATE LOCATION OF EXISTING 8" PIPE IS SHOWN FROM PLANS DATED 08/04/1987. SEE ATCT-D400 FOR CONTINUATION. THIS CONCRETE PATH IS MAIN EGRESS TO BUILDING. ANY WORK ON THIS AREA MUST BE PERFORMED WHEN TOWER IS UNOCCUPIED. COORDINATE WORK WITH COTR. 	
	GENERAL NOTES A. SEE TRACO-POOD FOR GENERAL NOTES AND SYMBOLS. SEE TOWB-GO10 AND TOWB-GO11 FOR ABBREVIATIONS. B. PIPE SHOWN ALSO SERVES EXISTING RESTROOM AT TOP OF ATCT. DEMOLITION WORK SHALL NOT COMMENCE UNTIL NEW PIPE HAS BEEN INSTALLED.	G
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	FORT LAUDERDALE AIRPORT TRAFFIC CONTROL TOWER MAJOR IMPROVEMENTS	
	PLUMBING SITE PLAN - DEMOLITION	
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Bldg. C, Ste 515 Atlanta, Georgia 30328-6055 678.320.1888	SUBMITTER'S TITLE - CIVIL ENGINEER APPROVER'S TITLE - MANAGER DESIGNED ISSUED BY DATE DATE JCN 16.08.012	A
WW JOB NUMBER: 219075.00	DESIGNED JJS ISSUED BY DATE JAN 31, 2020 JCN 1508912 DRAWN CRK ATLANTA TERMINAL ENGINEERING CENTER DRAWING NO FLL-D-TRACO-D000 REV	
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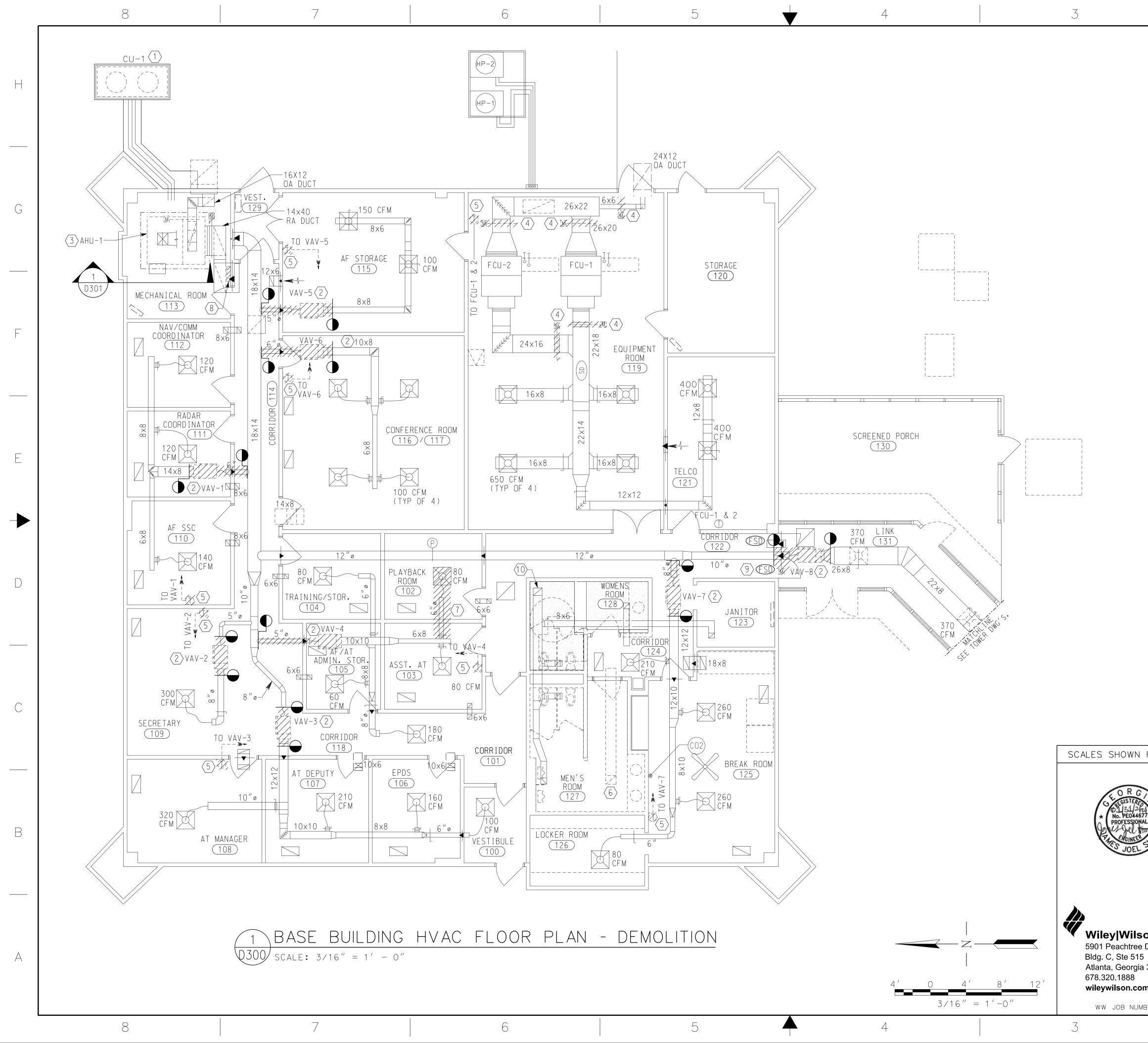


	 KEYNOTES 1 REMOVE EXISTING WALL COVERING. REFER TO A550 FOR NEW WALL FINISH TO BE APPLIED. 2 REMOVE EXISTING CARPET TILE. 3 REMOVE EXISTING VCT. 4 REFER TO HOO1 FOR HAZMAT NOTES AND REPORT INFORMATION PRIOR TO ANY DEMOLITION IN THE BUILDING. 	Н									
	 (5) REMOVE AND SALVAGE EXISTING CEILING FIXTURES, STORE TO BE REINSTALLED. SEE D500 FOR ELECTRICAL DEMOLITION. (6) REMOVE EXISTING SCREENED-IN PORCH CEILING AND ANY OTHER WOOD FINISHES PRESENT IN THE STRUCTURE. (7) RESTROOMS TO BE RENOVATED. REMOVE EXISTING TOILET FIXTURES AND ACCESSORIES, CERAMIC TILES. (8) NO WORK TO BE DONE IN THIS ROOM. (9) REMOVE EXISTING CEILING AND CEILING FIXTURES. SEE D500 FOR ELECTRICAL DEMOLITION. 	G									
	 REMOVE 3" ROOF/STORM DRAIN PIPE. SEE DRAWING TRACO-D140 FOR ROOF DRAIN LOCATION AND TRACO-D400 FOR PLUMBING DEMOLITION. REMOVE AND REINSTALL CEILING TILE AND GRID FOR HVAC DEMOLITION AND UPGRADES. SEE D300 FOR MECHANICAL DEMOLITION. 	F									
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1. F	REFER TO ELECTRICAL DEMOLITION FOR LIGHTNING PROTECTION REMOVAL.	Н
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n	BASE BUILDING ROOF PLAN DEMOLITION FT LAUDERDALE (INTERNATIONAL) DEVICEMENT DV SUBMITTED BY	FL
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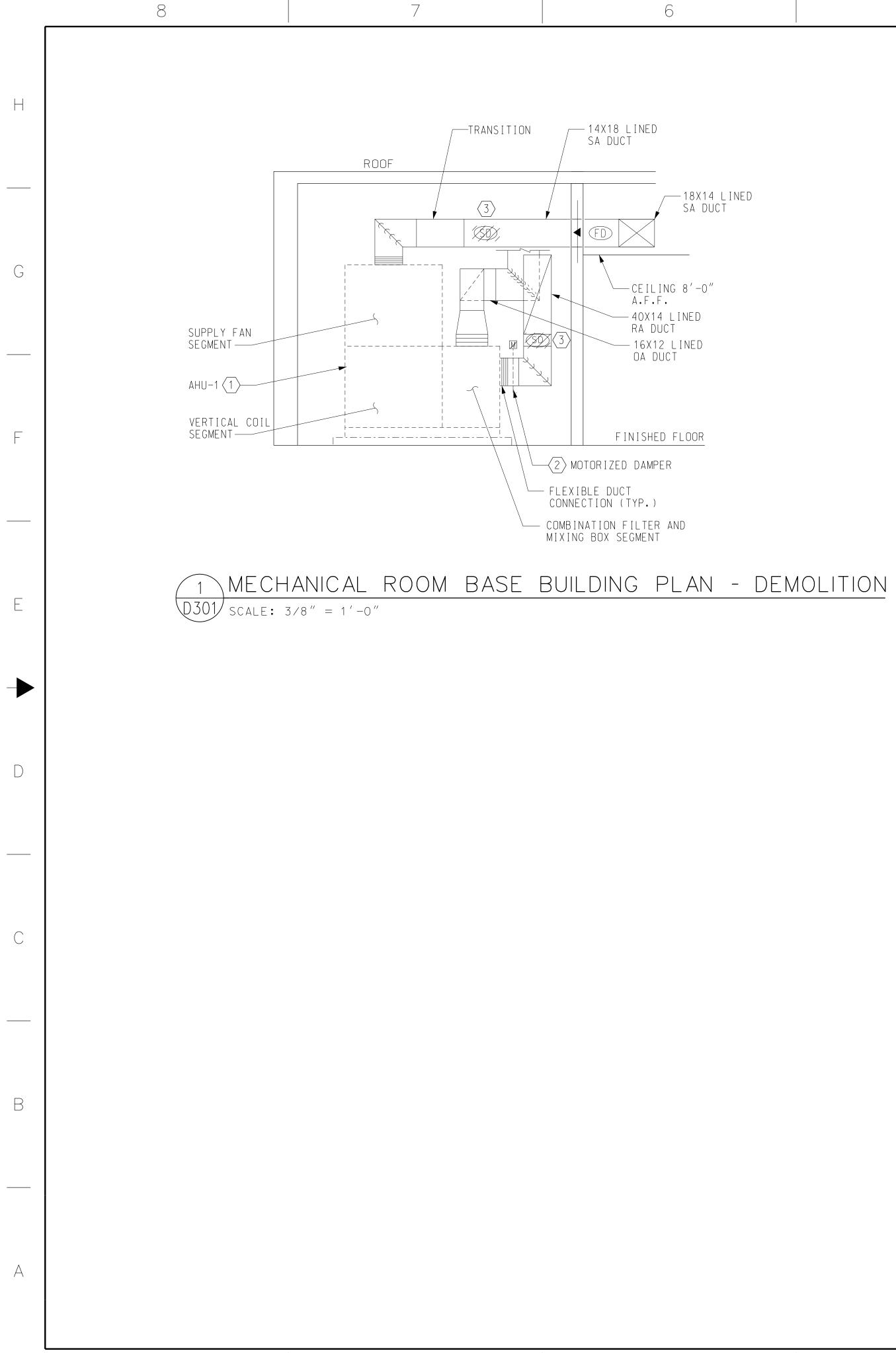


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NO	TES									
$\langle 1 \rangle$	CONDENSING UNIT (CU-1) AND ASSOCIATED LINESET REPLACED IN INTIAL PHASE OF RENOVATION.									
$\langle 2 \rangle$	REMOVE VAV BOXES (VAV-1 THRU VAV-8) AND FD WHERE APLICABLE.									
$\langle 3 \rangle$	AIR HANDLING UNIT AHU-1 REPLACED IN INITIAL PHASE OF RENOVATION.									
$\langle 4 \rangle$	REMOVE EXISTING CONTROL DAMPERS AND ACTUATORS.									
$\langle 5 \rangle$	REMOVE EXISTING THERMOSTAT.									
$\langle 6 \rangle$	EXISTING MAKE-UP AIR DUCT FOR TOILETS.									
$\langle 7 \rangle$	REMOVE TAP AND MVD. PATCH AND SEAL DUCTWORK AIRTIGHT.									
$\langle 8 \rangle$	REMOVE EXISTING DDC CONTROL PANEL.									
$\langle 9 \rangle$	REMOVE EXISTING FIRE-SMOKE DAMPER (TYP 2).	G								
$\langle 1 0 \rangle$	UP TO EXISTING EF-2, EF-2 TO BE REMOVED.									
GENERAL NOTES										

- A. AIR FLOW SHOWN ON EXISTING SUPPLY AIR OUTLETS ARE FROM AS-BUILT DRAWINGS. THE APPROVED TAB CONTRACTOR SHALL PERFORM AIR FLOW TEST AND RECORD THE ACTUAL AIR FLOW ON EXISTING AIR OUTLETS IN BASE BUILDING, PRIOR TO CONSTRUCTION START OR ANY HVAC DEMOLITION WORK, RESULTS SHALL BE RETAINED AND USED TO RESTORE THE SYSTEM AT THE COMPLETION OF THE MECHANICAL WORK. THE ACTUAL AIR FLOW SHALL BE SUBMITTED TO THE FAA CONTRACTING OFFICER REPRESENTATIVE FOR REVIEW, AFTER CONSTRUCTION. THE SYSTEM SHALL BE REBALANCED ALL EXISTING AND NEW AIR DEVICES TO AIR FLOW INDICATED.
- B. EXISTING WORK SHOWN LIGHT SOLID LINE WITHOUT HATCHING SHALL REMAIN.
- C. CONTRACTOR SHALL COMPLETELY REMOVE THE EXISTING HVAC CONTROL SYSTEM INCLUDING OPERATOR WORKSTATION, CONTROL PANELS, CONTROL WIRING, THERMOSTATS AND ALL ASSOCIATED CONTROL COMPONENTS.
- D. CONTRACTOR SHALL REVIEW THE EXISTING CONTROL DRAWINGS AND ACTUAL CONTROL INSTALLATION PRIOR TO PERFORMING ANY WORK AND SHALL MINIMIZE DOWNTIME OF THE HVAC SYSTEM.
- E. SEE DRAWING TRACO-MOOO FOR HVAC LEGEND, GENERAL NOTES AND SPECIAL NOTES.
- F. WHERE FIRE OR FIRE/SMOKE DAMPERS ARE REMOVED IN CONJUNCTION WITH THIS WORK, THE REMOVED DAMPER SHALL BE REPLACED WITH THE SAME TYPE, RATING AND SHALL BE COORDINATED WITH THE FIRE ALARM AND ELECTRICAL CONTRACTORS.
- G. OWNER SHALL HAVE FIRST RIGHT TO ALL EQUIPMENT THAT IS REMOVED.

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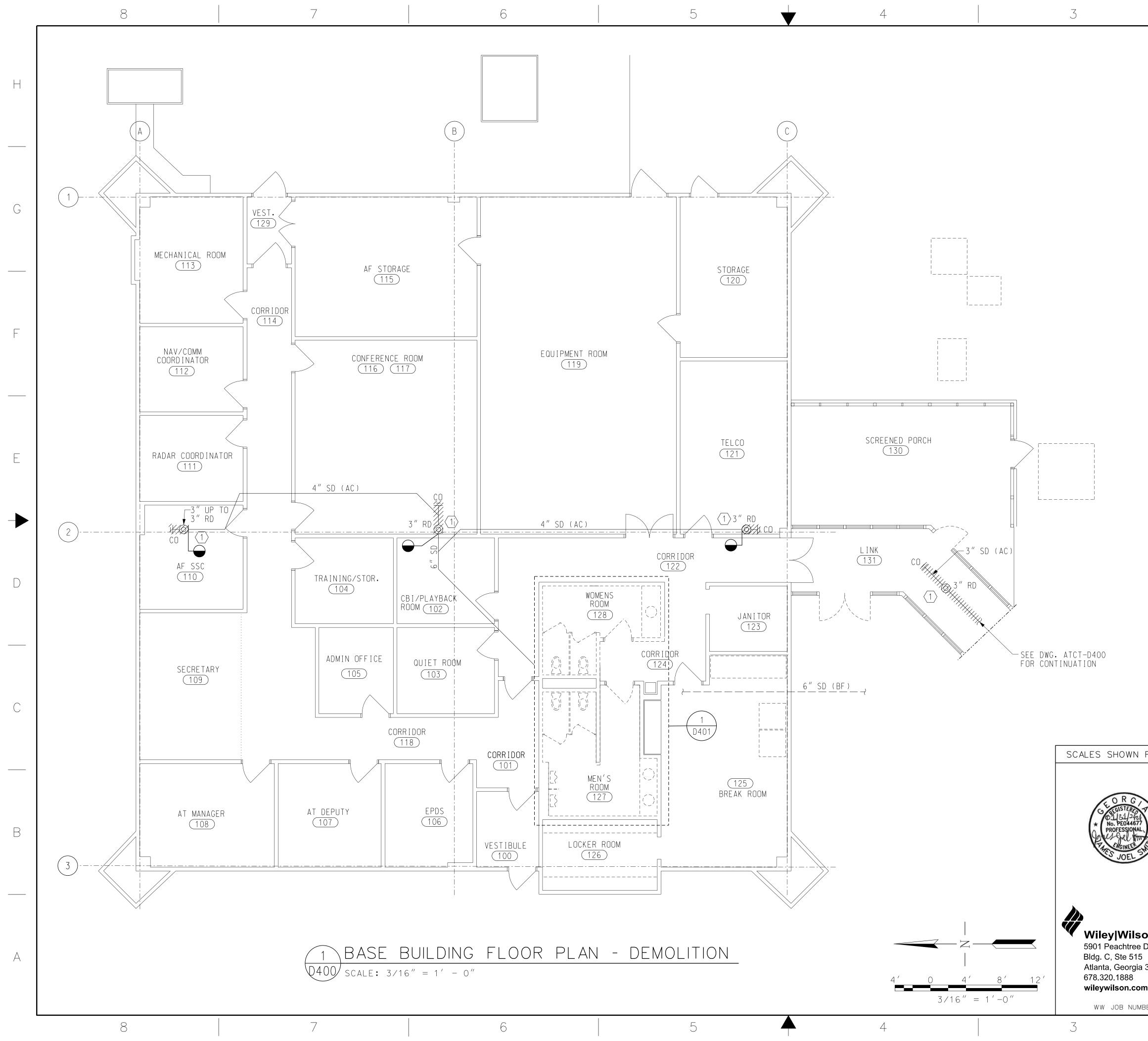
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NOTES 1 EXISTING AHU-1 REPLACED IN INITIAL PHASE OF RENOVATION. 2 EXISTING MOTORIZED DAMPER TO REMAIN. 3 REMOVE EXISTING SMOKE DETECTORS.	Н
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Bldg. C, Ste 515 Atlanta, Georgia 30328-6055 678.320.1888 wileywilson.com			IGNED JJS	- CIVIL ENGINEER ISSUED BY ATLANTA TERMINAL	APPROVER'S DATE JAN 31, 20 DRAWING NO		ANAGER 1508912	REV	А
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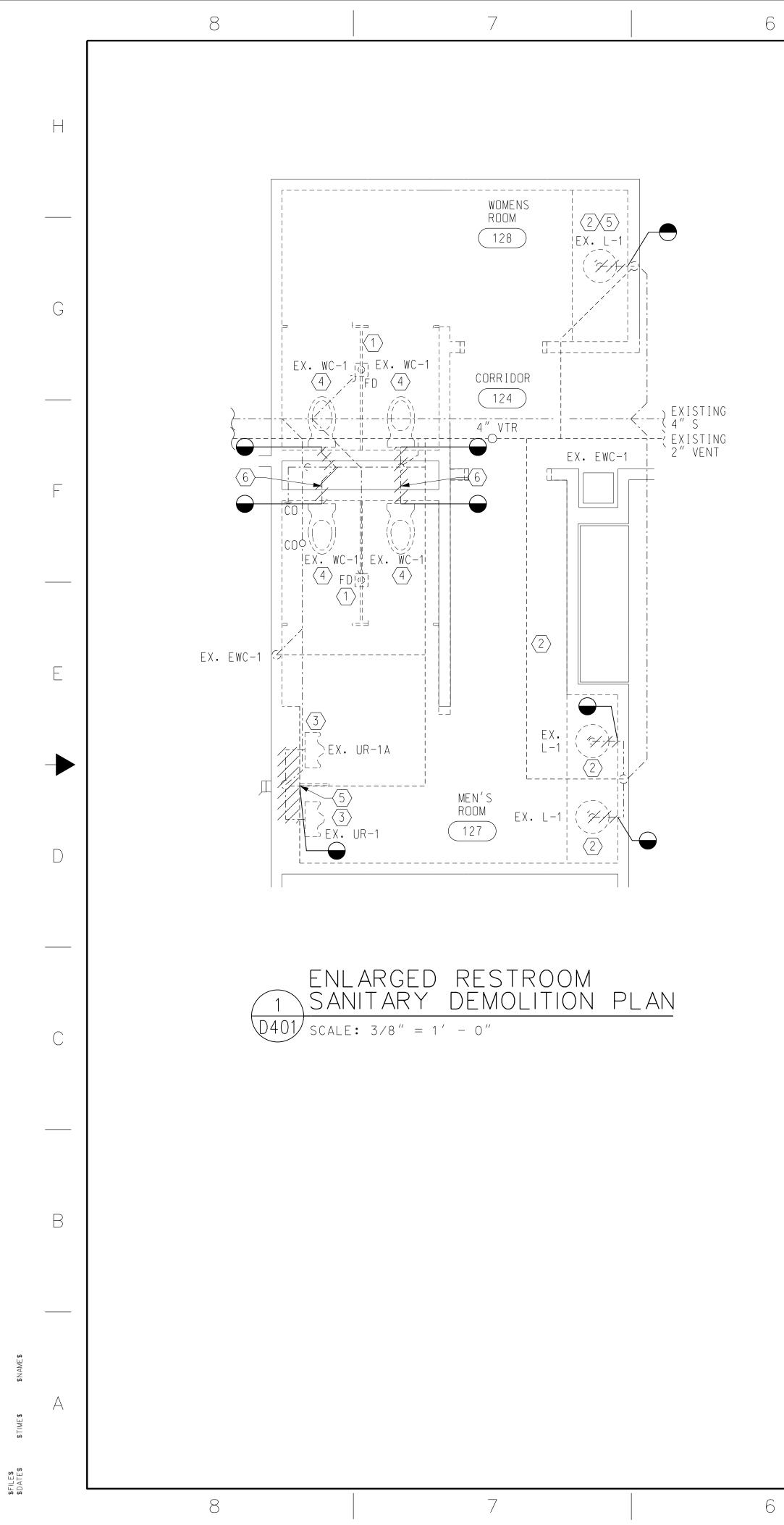


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GENERAL NOTES

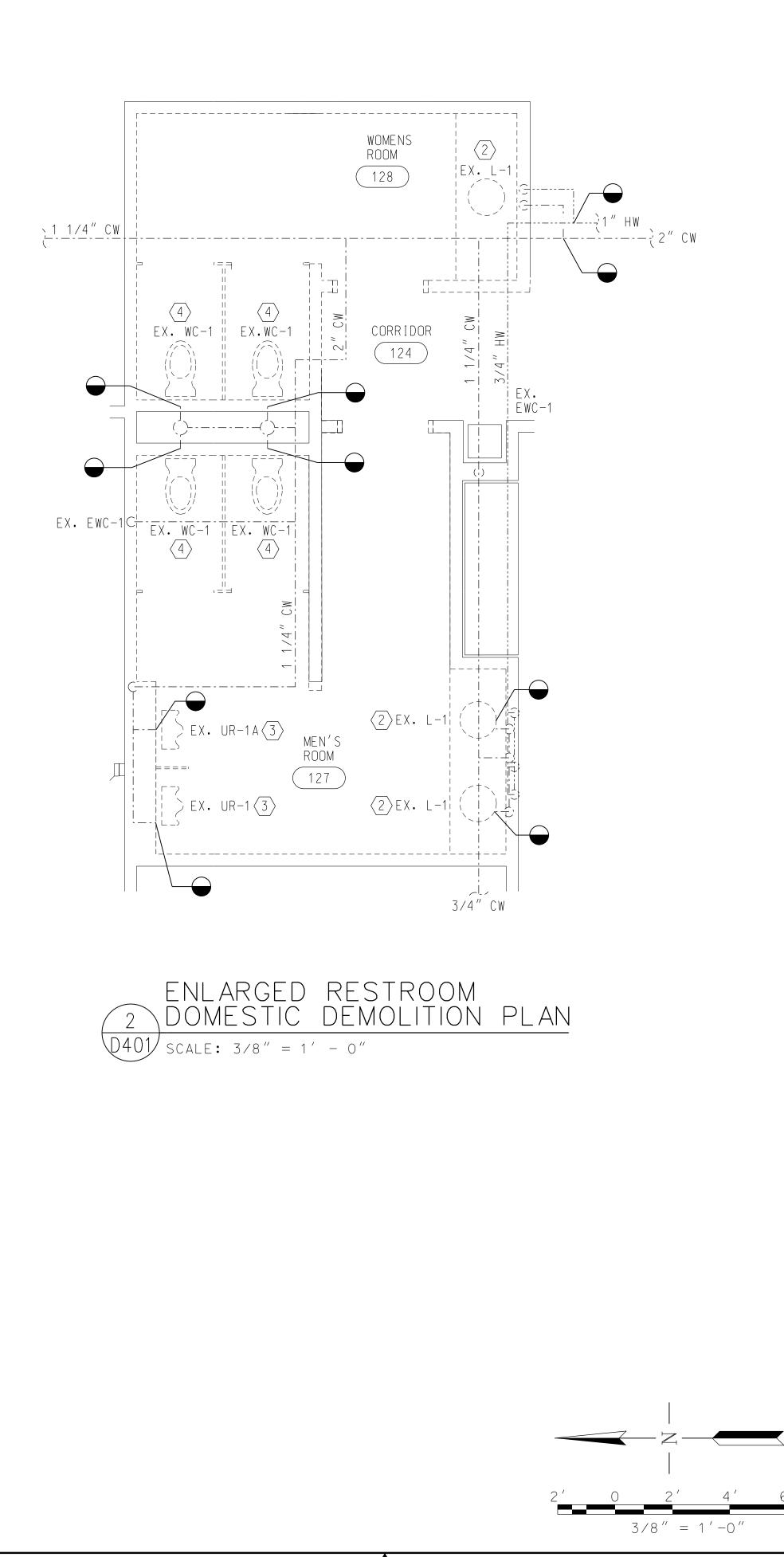
- A. SEE DRAWING TRACO-POOO FOR PLUMBING GENERAL NOTES AND SYMBOLS. SEE TOWB-G010 AND TOWB-G011 FOR ABBREVIATIONS.
- B. CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IF SITE CONDITIONS DEVIATE SIGNIFICANTLY FROM CONTRACT DOCUMENTS.
- C. ALL WORK IN THIS AREA SHALL BE COMPLETED AFTER HOURS. ALL PHASED WORK NEEDS TO BE COMPLETED AND BUILDING PUT BACK TO WORKING ORDER BY START OF ATCT OPERATIONS.

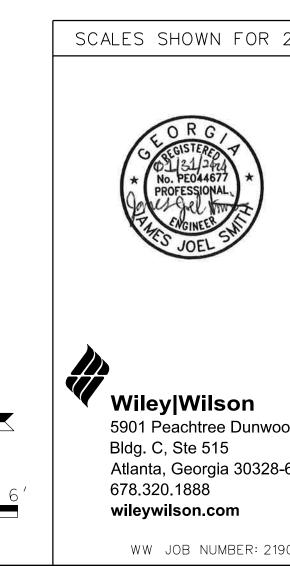
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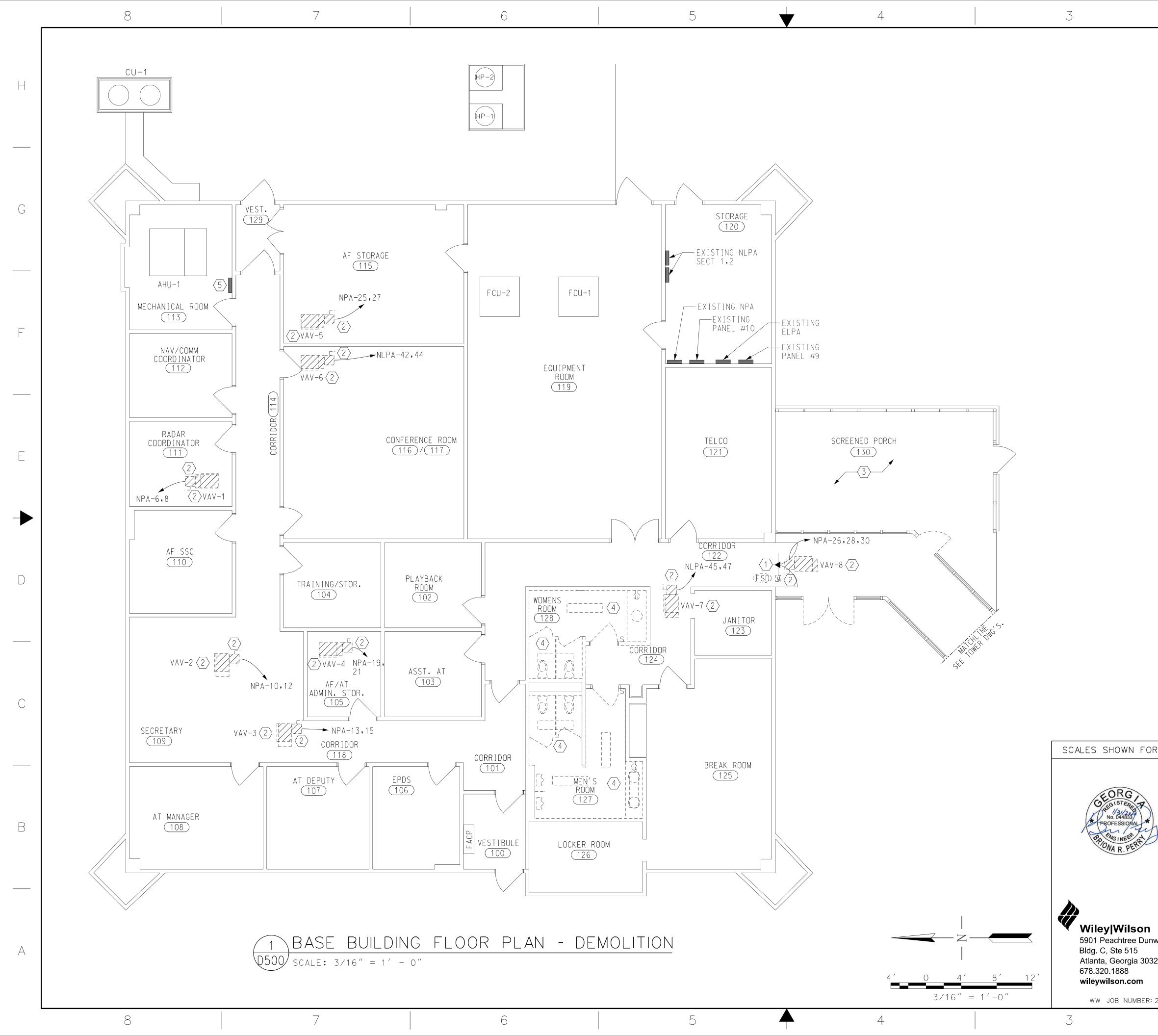




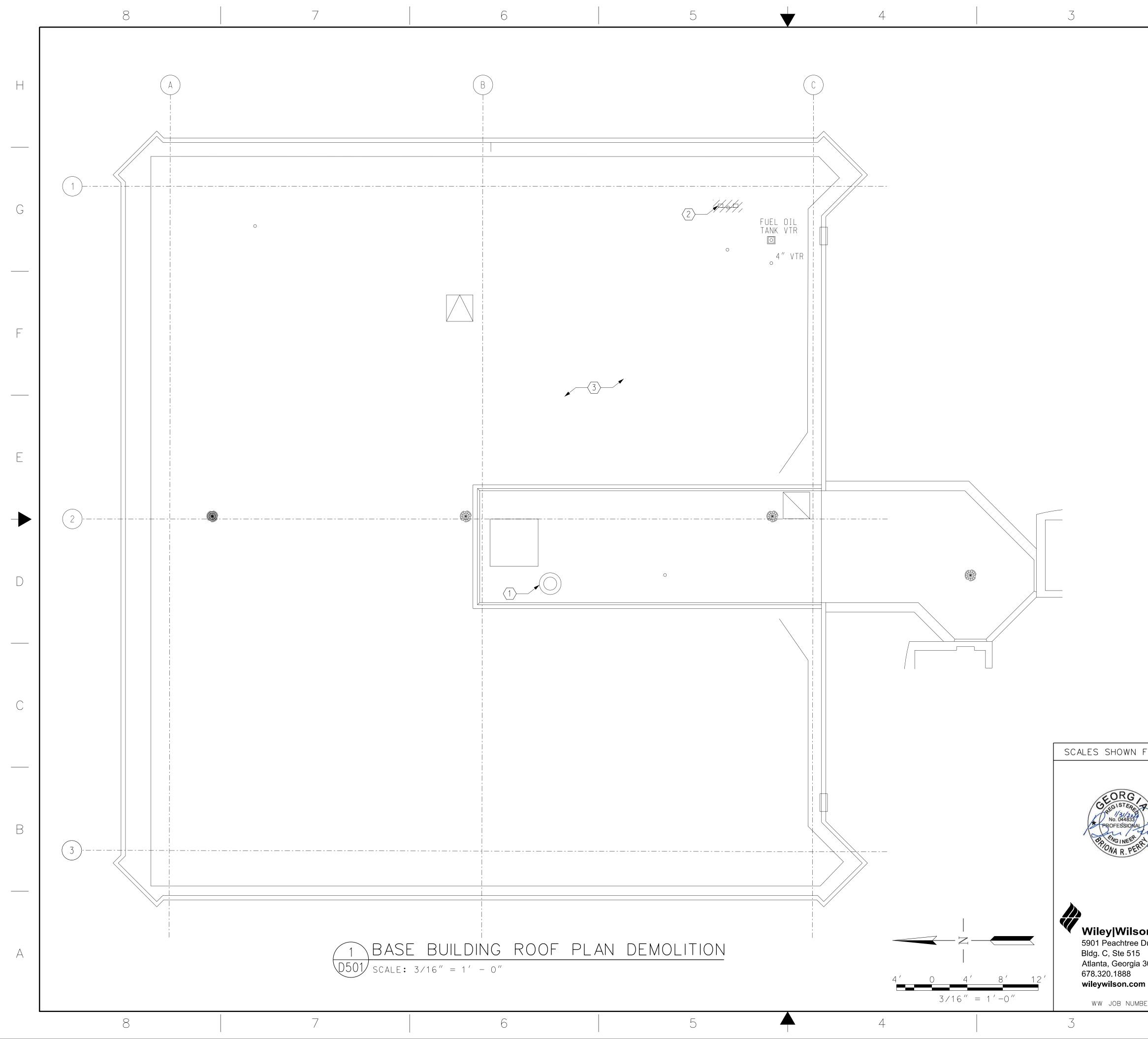




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	 NOTES REMOVE EXISTING FLOOR DRAIN AND ALL ASSOCIATED ACCESSORIES. REPLACE FLOOR DRAIN IN IT'S ENTIRETY WITH THE EXCEPTION OF THE P-TRAP. REMOVE EXISTING LAVATORY SUPPLY LINES, AND ALL ASSOCIATED ACCESSORIES. REMOVE EXISTING LAVATORY URINAL FLUSH VALVES, SUPPORTS, AND ALL ASSOCIATED ACCESSORIES. REMOVE EXISTING WATER CLOSET, FLUSH VALVE, SUPPORTS AND ALL ASSOCIATED ACCESSORIES. 	Η
	 (5) FINISH IN THIS AREA TO BE DEMOLISHED. (6) REMOVE BACK-TO-BACK WATER CLOSET CARRIER. 	G
	GENERAL NOTES A. EXISTING WORK SHOWN LIGHT SOLID LINE WITHOUT HATCHING SHALL REMAIN. B. SEE TRACO-POOD FOR GENERAL NOTES AND SYMBOLS. SEE TOWB-G010 AND TOWB-G011 FOR ABBREVIATIONS.	F
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	 B. SEE DRAWI GENERAL N C. SEE DRAWI ROOF. REM D. ALL CIRCU 	NOTES work shown light ng traco-e000 and otes and special ng traco-d501 for ove all electric, it numbers are b, ld verify all ex	D TRACO-EOO1 H NOTES. R ELECTRICAL H AL CONDUCTORS ASED ON AS-BU	FOR ELECTRIC DEMOLITION R AND CONDUIT ILT DRAWINGS	AL LEGEN EQUIRED BACK TO • CONTRA	D, ON THE PANEL. CTOR	H	
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	SERVED BY WITH MECH	T CIRCUIT WIRING PANEL #9 TO BE F ANICAL.	REPLACED, WIR	ING TO REMAI	N. COORD	ΙΝΑΤΕ		
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	CONTRACTO CONDITION SHALL BE	ID SALVAGE EXISTIN NR SHALL DOCUMENT IS. ANY DAMAGE WH CORRECTED BY THE TO BE RENOVATED. L DEVICES WITHIN	EXISTING CON ILE IN STORAGE CONTRACTOR A REMOVE ALL EX	DITIONS AND E OR DURING T NO ADDITIC XISTING LIGH	REINSTAL REINSTAL NAL COST T FIXTUR	L IN SAME LATION • ES AND	F	
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GENERAL	NOTES

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- A. EXISTING WORK SHOWN LIGHT SOLID LINE WITHOUT HATCHING SHALL REMAIN.
- B. SEE DRAWING TRACO-E000 AND TRACO-E001 FOR ELECTRICAL LEGEND, GENERAL NOTES AND SPECIAL NOTES.
- C. SEE DRAWING TRACO-D500 FOR ELECTRICAL DEMOLITION REQUIRED ON THE GROUND FLOOR. REMOVE ALL ELECTRICAL CONDUCTORS AND CONDUIT BACK TO PANEL.
- D. ALL CIRCUIT NUMBERS ARE BASED ON AS-BUILT DRAWINGS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CIRCUITS PRIOR TO DEMOLITION.

KEY NOTES

- (1) EXISTING EXHAUST FAN EF-2 TO BE REPLACED. EXISTING CIRCUIT AND CONDUIT SERVED FROM PANEL NPA SHALL REMAIN FOR CONNECTION OF NEW EXHAUST FAN
- (2) EXISTING LIGHT FIXTURES TO BE REPLACED. EXISTING LIGHTING CIRCUIT AND CONDUIT SERVED FROM PANEL NLPA SHALL REMAIN FOR CONNECTION OF NEW FIXTURES
- $\langle 3 \rangle$ ENTIRE LIGHTNING PROTECTION SYSTEM CONDUCTORS AND HARDWARE TO BE REPLACED. REFER TO NEW WORK SHEET E-160 FROM MORE INFORMATION.

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Η		DOOR NUMBER GYPSUM BOARD		2'X 4'LAY-IN ACOUSTICAL CEILING
G	$\overline{\langle W1 \rangle}$	PARTITION PRECAST CONCRETE WINDOW NUMBER		2'X 2'LAY-IN ACOUSTICAL CEILING SUSPENDED GYPSUM BOARD CEILING
F	X1 (L1) 8'-6'' AFF	TYPICAL PARTITION TYPE LOUVER NUMBER CEILING HEIGHT DESIGNATION		SUPPLY DIFFUSER RETURN GRILLE EXHAUST GRILLE
		FLOOR HATCH STEEL LADDER SUMP		2'X4' RECESSED FLUORESCENT LIGHTING FIXTURE 2'X2' RECESSED FLUORESCENT LIGHTING FIXTURE
E		FLOOR MOUNTED SERVICE SINK WALL MOUNTED SERVICE SINK LAVATORY IN COUNTERTOP		4' FLUORESCENT LIGHTING FIXTURE, SURFACE MOUNTED 2' FLUORESCENT LIGHTING FIXTURE, SURFACE MOUNTED 4' FLUORESCENT STRIP FIXTURE RECESSED FLUORESCENT/INCANDESCENT LIGHTING FIXTURE
D		LAVATORY WALL MOUNTED URINAL		RECESSED FLUORESCENT, WALL WASHER LIGHTING FIXTURE WALL-MOUNTED LIGHT FIXTURE EXIT SIGN
С		WATER CLOSET FLOOR MOUNTED WATER CLOSET WALL MOUNTED	VESTIBULE	BLACKENED DOT INDICATES FIXTURE WITH EMERGENCY BATTE
Β		ELECTRIC WATER COOLER WALL RECESSED ELECTRIC WATER COOLER WALL HUNG (HANDICAP)		
	HC HC	LOCKERS HANDICAP DOOR OPERATOR		

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Wiley|Wilson 5901 Peachtree Du Bldg. C, Ste 515 Atlanta, Georgia 30 678.320.1888 wileywilson.com

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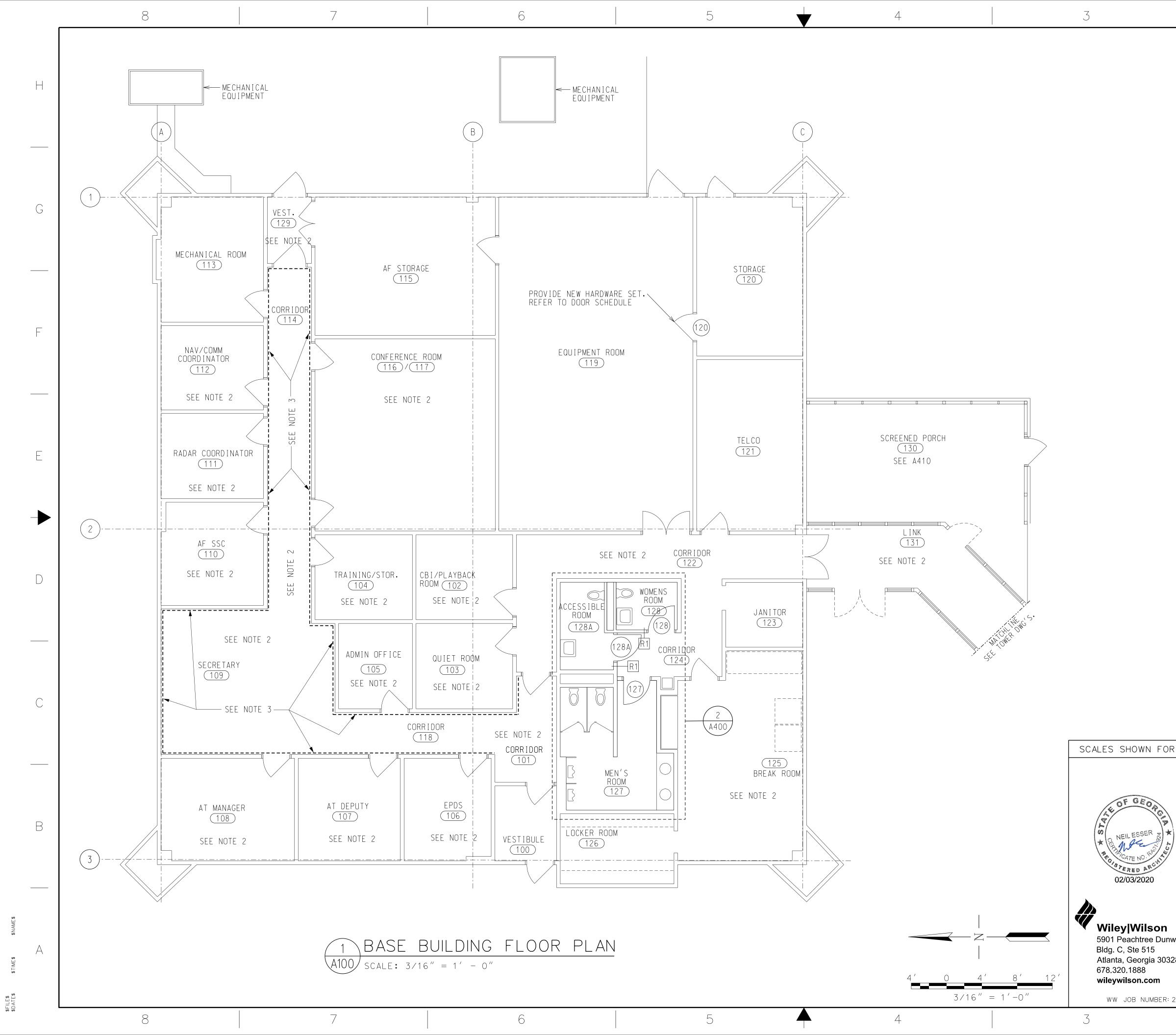
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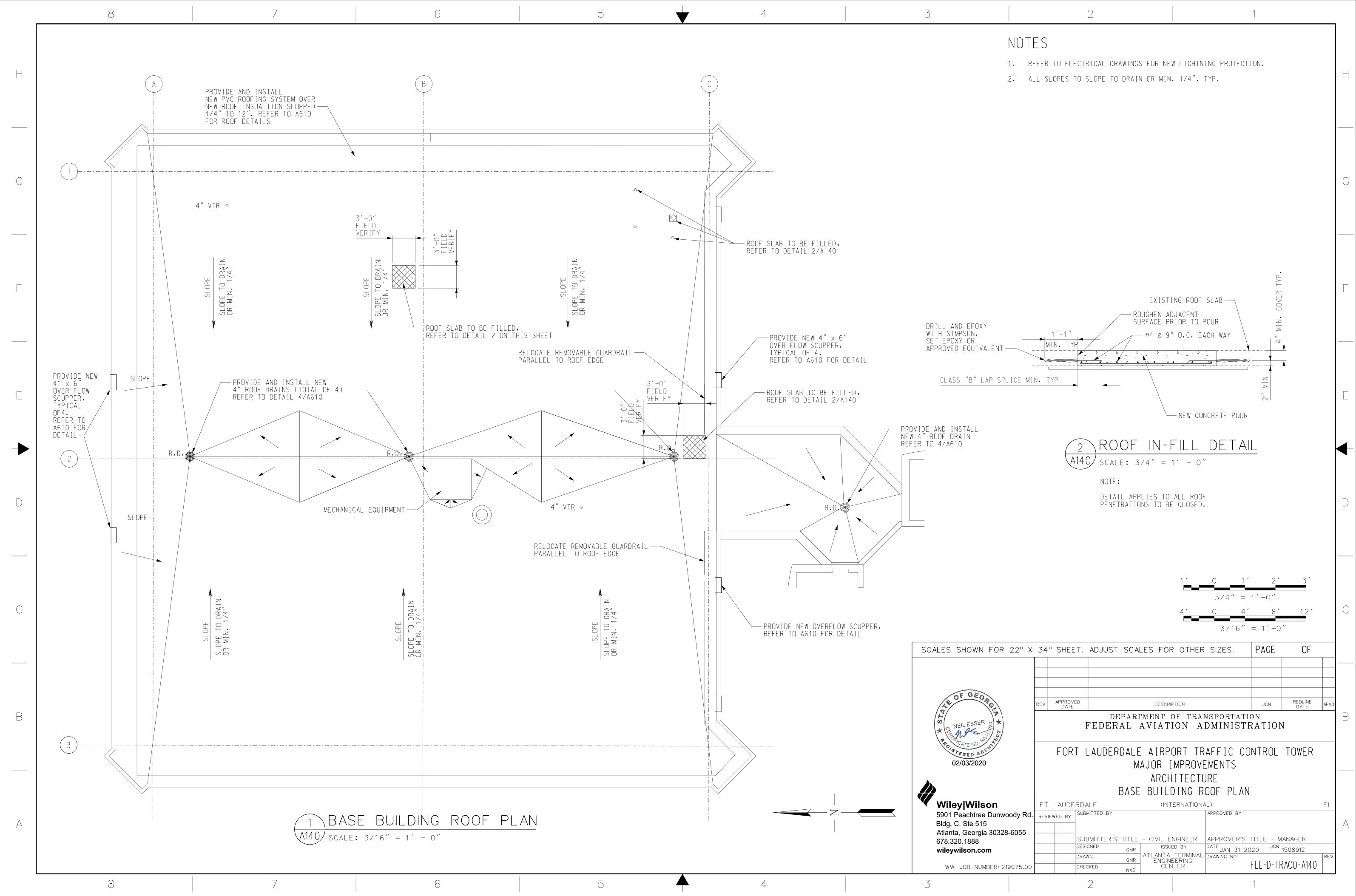
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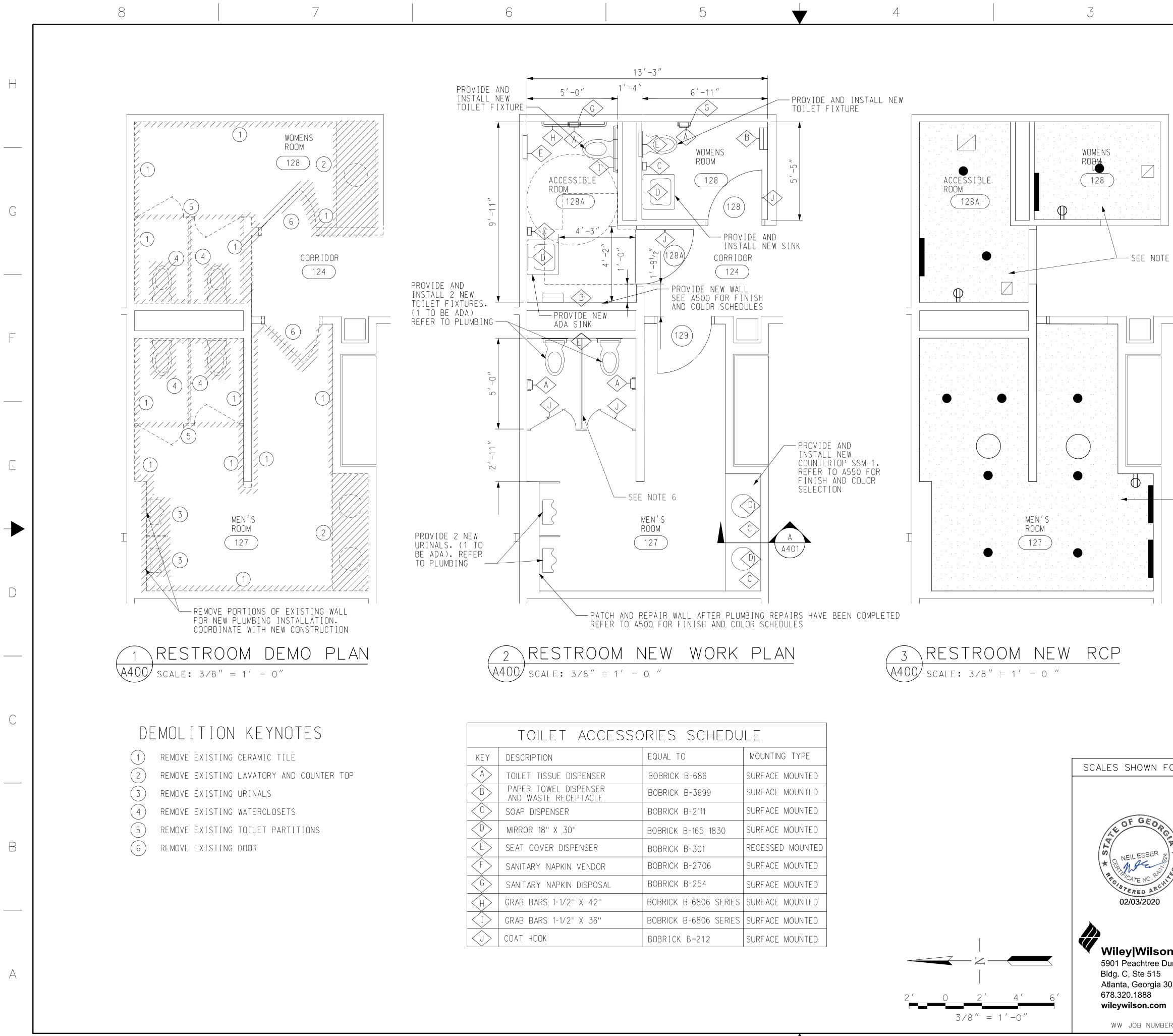
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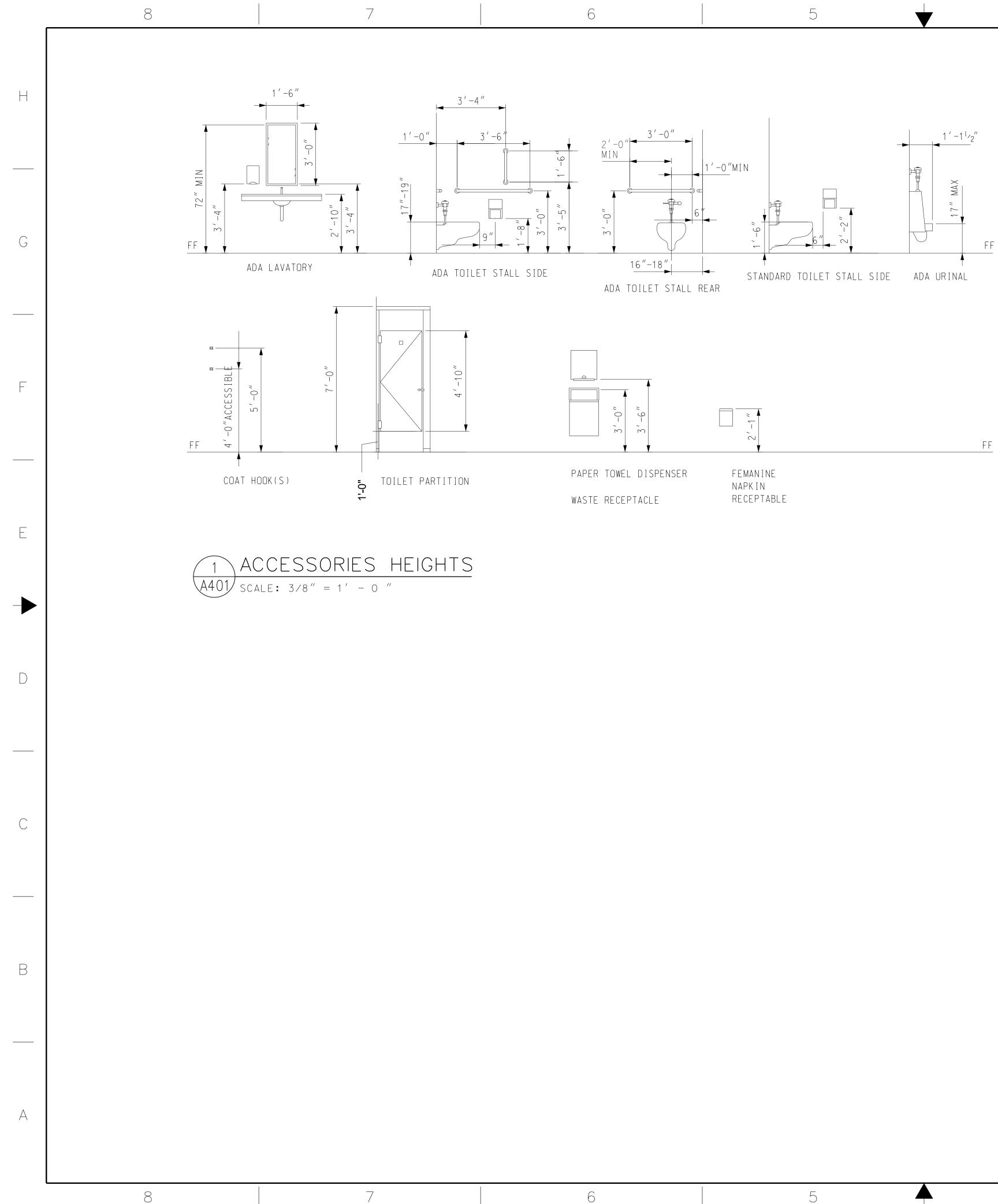
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< 30''	BOBRICK B-165 1830	SURFACE MOUNTED
DISPENSER	BOBRICK B-301	RECESSED MOUNTED
PKIN VENDOR	BOBRICK B-2706	SURFACE MOUNTED
PKIN DISPOSAL	BOBRICK B-254	SURFACE MOUNTED
-1/2" X 42"	BOBRICK B-6806 SERIES	SURFACE MOUNTED
-1/2" X 36"	BOBRICK B-6806 SERIES	SURFACE MOUNTED
	BOBRICK B-212	SURFACE MOUNTED

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	NO	DTES	
	1.	PROVIDE NEW BATHROOM FIXTURES. REFER TO PLUMBING DRAWINGS.	
	2.	PROVIDE NEW ACCESSORIES, REFER TO TOILET ACCESSORIES SCHEDULE.	ŀ
	3.	PROVIDE NEW FLOOR AND WALL CERAMIC TILE. REFER TO FINISH SCHEDULE.	
	4.	PROVIDE NEW DOOR, REFER TO DOOR SCHEDULE.	
	5.	PROVIDE NEW GYPSUM BOARD CEILING AND CEILING FIXTURES IN ROOMS 128 AND 128A.	_
	6.	PROVIDE NEW TOILET PARTITIONS, REFER TO A500 FOR MORE INFORMATION,	
	7.	EXISTING CEILING TO REMAIN, EXISTING LIGHT FIXTURES TO BE REMOVED. PATCH AND PAINT CEILING, INSTALL NEW LIGHT FIXTURES, REFER TO ELECTRICAL.	(
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-SEE NOTE 5

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FOR 22	2" X	34''	SHEE	T. ADJUST	SCA	LES FOR O	THER	SIZES.	PAGE	OF		
A C		REV	APPROVE DATE	D		DESCRIPTION			JCN	REDLINE DATE	APVD	
41 1954 1954	DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION									В		
ANT .			FOR	T LAUDER		AIRPORT AJOR IMPI			NTROL	TOWER		
				RESTF	200M	ARCHITI DEMOLIT			WORK			
on		FT I	LAUDE	RDALE		(INTERNA	TIONA	AL)			FL	
Dunwood	ly Rd.	REVIEV	VED BY	SUBMITTED BY				APPROVED BY				
30328-60	055											А
				SUBMITTER'S DESIGNED		- CIVIL ENGINE	EER	APPROVER'S				
n				DRAWN	GMR	ATLANTA TERI	MINAL	DRAWING NO	20	1508912	REV	
BER: 2190	75.00			CHECKED	GMR NXE	ENGINEERIN CENTER	IG		FLL-D-TF	RACO-A400		
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PLYWOOD DECK & BLOCKING AS REQD.

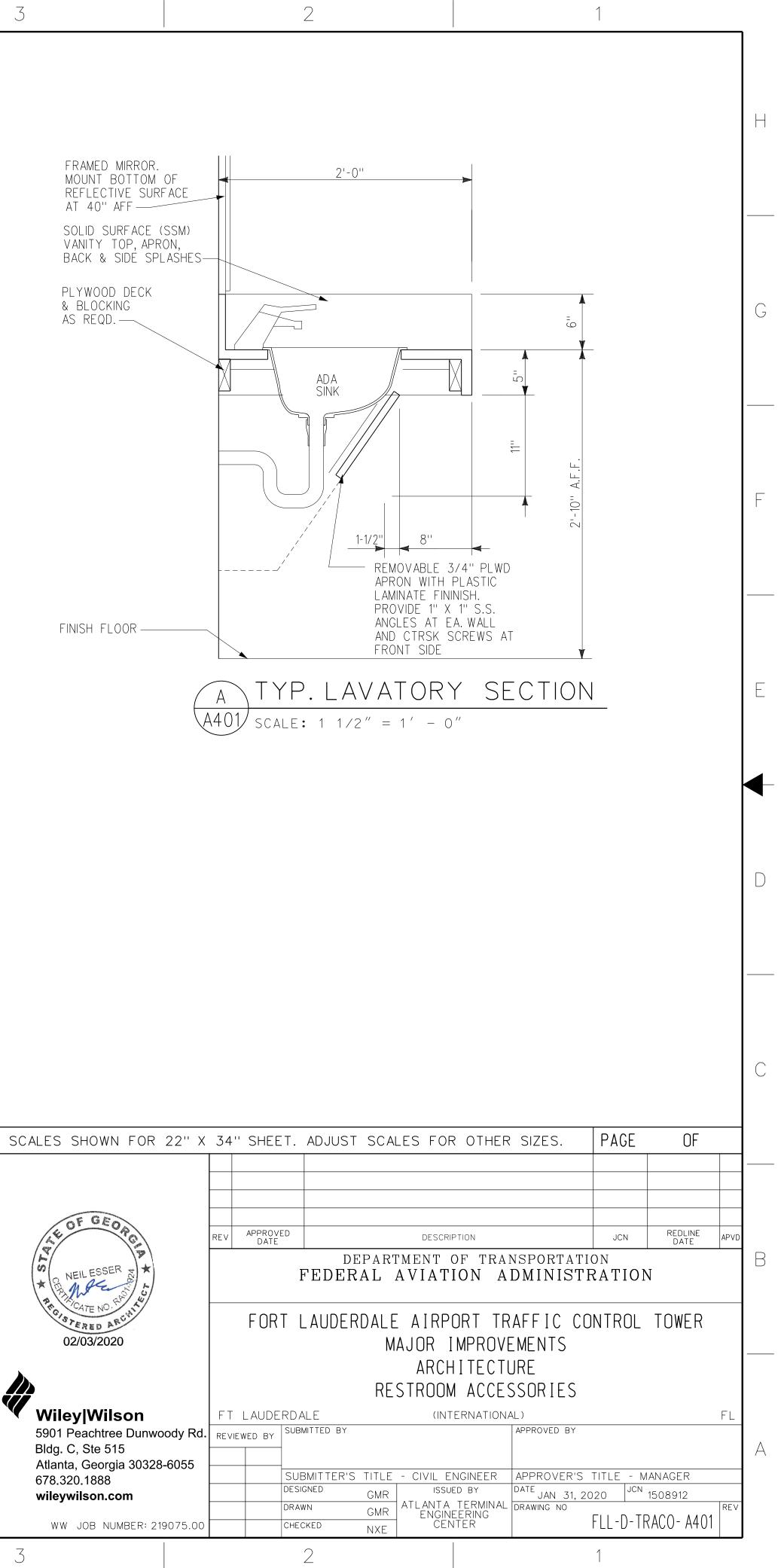
FINISH FLOOR -

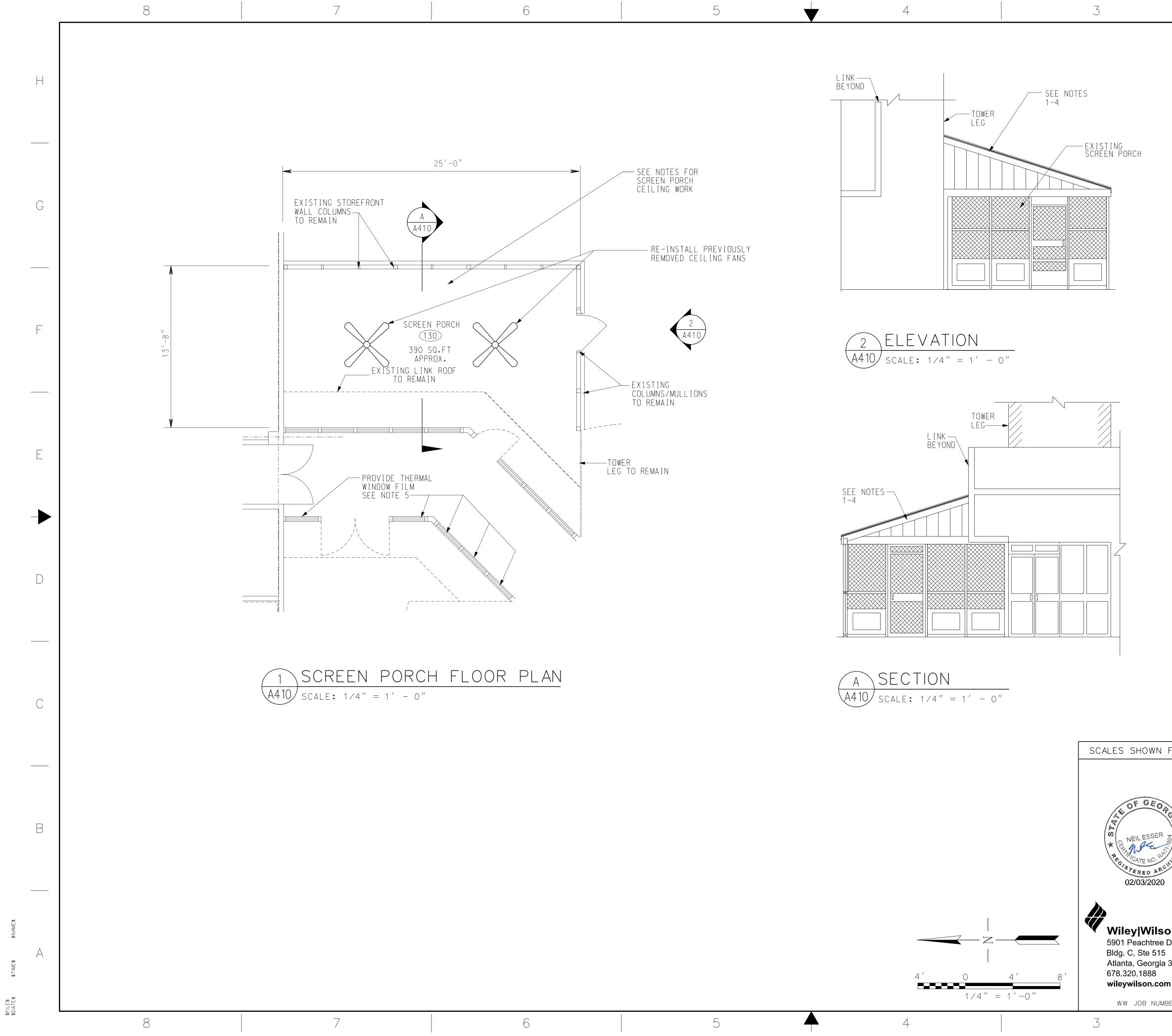
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Atlanta, Georgia 30328-6055 678.320.1888 wileywilson.com

 $1 \ 1/2'' = 1'-0''$

3/8" = 1'-0"





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	NOTES	
1.	REMOVE EXISTING PLYWOOD CEILING, CLEAN WOOD STRUCTURE APPLY BONDING PRIME, APPLY INTUMESCENT PAINT, ALLOW TO DRY FOR 24 HOURS, APPLY TOP COAT PAINT,	H
2.	PRIME, INTUMESCENT PAINT ALLOW TO DRY FOR 24 HOURS. APPLY TOP COAT PAINT.	
	"USG" USG 5/8" FIRECODE "C" CORE SHEETROCK BRAND EXTERIOR GYPSUM CEILING BOARD. OR APPROVED EQUAL	
4.	INTUMESCENT PAINT KNOWN ACCEPTABLE SOURCE:	
	"CONTEGO" CONTEGO INTERNATIONAL OR APPROVED EQUAL	G
5.		
	"THERMAL WINDOW FILM" ARC WINDOW FILM OR APPROVED EQUAL	
	WINDOW FILM TO BE INSTALLED ON THE INSIDE OF THE GLASS, AT THE LINK'S WEST WALL.	
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FOR	22"	X 34'	' SHEE	T. ADJU	ST SCA	ALES FOF	R OTHE	R SIZES.	PAGE	OF		
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11. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION FORT LAUDERDALE AIRPORT TRAFFIC CONTROL TOWER MAJOR IMPROVEMENTS										E	
ANT -												
							HITEC ⁻ ED-IN	TURE PORCH				
on		FΤ	LAUDE	RDALE		(INT	ERNATIO	NAL)			FL	
Dunwo	ody Ro	J. _{REVI}	EWED BY	SUBMITTED E	3Y			APPROVED B	Y			
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				SUBMITEI DESIGNED			NGINEER ed by		R'S TITLE - N			
n				DRAWN	GMR		TERMINA	JAN 3	1, 2020	1508912	REV	
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				ROOM F	INISH	SCHEDUL	_ E			
NUMBER				WALL						
ROOM	ROOM NAME	FLOOR	BASE					CEIL		REMARKS
(100)	VESTIBULE			NORTH P-1	EAST P-1	SOUTH P-1	WEST P-1	FINISH	HEIGHT	
100	CORRIDOR	VCT-1 VCT-1	RB-1 RB-1	P-1	P-1	P-1	P-1	ACT-1	9'-0" 9'-0"	
101	PLAYBACK ROOM	CPT-1		P-1	P-1	P-1	P-1	ACT-1 ACT-1	9 -0 9'-0"	
103	ASST AT	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9'-0"	
103	TRAINING/STORAGE	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9 -0 9'-0"	
105	AF/AT ADMIN STORAGE	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9'-0'' 9'-0''	
106	EPDS	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9'-0"	
107	AT DEPUTY	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9'-0"	
108	AT MANAGER	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9'-0"	
109	SECRETARY	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9'-0"	
110	AF SSC	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9'-0"	
111)	RADAR COORDINATOR	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9'-0"	
112	NAV/COM COORDINATOR	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9'-0"	
113	MECHANICAL ROOM	_	_	_	_	_	_	_	_	
114)	CORRIDOR	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9′-0″	
115	AF STORAGE	_	_	_	_	_	_	-	_	
116	CONFERENCE ROOM	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9′-0″	
118	CORRIDOR	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9′-0″	
119	EQUIPMENT ROOM	_	_	_	_		_	_	_	
120	STORAGE	_	_	_	_		_	_	_	
121	TELCO	_	_	_	_	_	_	_	_	
122	CORRIDOR	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9′-0″	
123	JANITOR	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9′-0″	
124	CORRIDOR	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9′-0″	
125	BREAKROOM	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9′-0″	
126	LOCKER ROOM	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9′-0″	
127)	MEN'S ROOM	CT-1	CT-2	CT-3	CT-3	CT-3	CT-3	GYP/P-2	9′-0″	
128	WOMEN'S ROOM	CT-1	CT-2	CT-3	CT-3	CT-3	CT-3	GYP/P-2	9′-0″	
128A)	ACCESSIBLE ROOM	CT-1	CT-2	CT-3	CT-3	CT-3	CT-3	GYP/P-2	9′-0″	
129	VESTIBULE	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	9′-0″	
130	SCREEN PORCH	-	_	-	_	_	_	P-2	VARIES	SEE A410



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INTERIOR

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CARPET (CPT)
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CPT-1 INTERFACE, STYLE: 1467802500, FOLIO II (50CM X 50CM) COLOR: 9646 STEEL

CPT-2 FOR THE TOWER - CAB

RUBBER BASE (RB)

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RB-1 4" COVED WALL BASE COLOR EQUAL TO "ROPPE P129 DOLP
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SOLID SURFACE MATERIAL (SSM) SSM-1 EQUAL TO DUPONT CORIAN "SILT".

CERAMIC TILE (CT)

- CT-1 AMERICAN OLEAN 2"X2" UNGLAZED FLOOR TILES GROUP ■ ■ A24 "ALMOND" UNGLAZED. ■ A43 "LIGHT SMOKE" UNGLAZED. CT-2 AMERICAN OLEAN 4-1/4" HIGH BASE CONSISTING OF 2" SQL OF "A43 LIGHT SMOKE" UNGLAZED
- CT-3 AMERICAL OLEAN 6" X 6" GLAZED WALL TILE-"0012 GLOSS ALMOND"

NOTES®

- 1. PRIOR TO ORDERING ANY MATERIALS, PROVIDE COLOR SAMPLES, REFLECTING ALL FINISHES NOTED ABOVE, AND ANY CONTRACTOR SUBSTITUTED FINISHES, TO RE FOR APPROVAL.
- 2. ALL SOLID SURFACE MATERIALS SHALL BE SSM-1, UNO.
- 3. ALL PLASTIC LAMINATES SHALL BE PLAM-1, UNO.



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r color	SELE	CTIONS
	PAINT ((P)
	P-1	SHERWIN WILLIAMS 6253 "OLYMPUS WHITE"
	P-2	SHERWIN WILLIAMS 7006 "EXTRA WHITE" (EXPOSED STRUCTURE ABOVE)
	PLASTIC	LAMINATE (PLAM)
PHIN″	PLAM-1	EQUAL TO FORMICA "7884-58 CHESTNUT WOODLINE, MATTE FINISH."
	TOILET	PARTITIONS (TP)
	TP-1	KNICKERBOCKER – METROPOLITAN STYLE FINISH: STAINLESS STEEL FINISH
	RESILII	ENT FLOORING (VCT) - VINYL COMPOSITE TILE
1	VCT-1	COLOR EQUAL TO "AZROCK VINYL ENHANCED TILE, AZTERRA AT-104 GREY ROCK."
SQUARES		

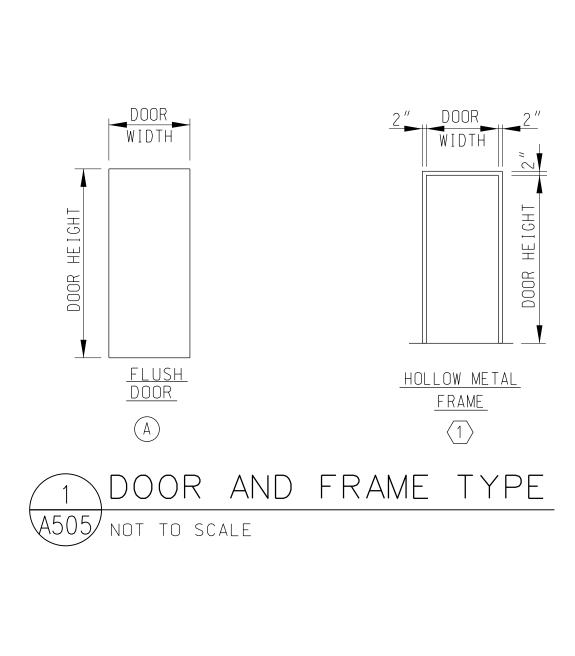
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on			FΤ	LAUDEI		INIS	H AND		SCHEDUL	ES		FL	
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		DOOR	HARDWARE DESCR	IPTION		
			0	UTSIDE LEVER	INS	IDE LEVER
DESG.	FUNCTION	DESCRIPTION	LOCKED BY	UNLOCKED BY	LOCKED BY	UNLOCKED BY
● P	PASSAGE	TURNING THE INSIDE LEVER, OR ROTATING THE OUTSIDE LEVER	CANNOT BE LOCKED	ALWAYS UNLOCKED	CANNOT BE LOCKED	ALWAYS UNLOCKED
●L	PRIVACY	ROTATING THE INSIDE LEVER, OR ROTATING THE OUTSIDE LEVER ONLY WHEN THE INSIDE PUSH BUTTON IS OUT	PUSHING THE INSIDE BUTTON	ROTATING THE OUTSIDE SLOTTED BUTTON, OR ROTATING INSIDE LEVER, OR CLOSING THE DOOR	CANNOT BE LOCKED	ALWAYS UNLOCKED
●D	STOREROOM	TURNING THE KEY IN THE OUTSIDE LEVER, OR ROTATING THE INSIDE LEVER	ALWAYS FIXED	CANNOT BE UNLOCKED	CANNOT BE LOCKED	ALWAYS UNLOCKED

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DOOR # BASE BUILDING	DOOR LOCATION AND NUMBER	REMOVE EXIST AND INSTALL NEW DOOR AND FRAME INSTALL NEW DOOR	DWARE	WIDTH	HEIGHT	THICK.	MATERIAL	FINISH	YPE		MATERIAL F INISH	PAIR HINGES TOTAL	DOOR CLOSER	WEATHER STRIP	LOCK SET TYPE	EXT. RATED	FIRE RATED		ELECTRONIC CARD READER	MAGNETIC CONTACT	ELECTRONIC STRIKE	GRADE-1 BEST CORE	LATCH GUARD	ASTRAGAL	PERIMETER SEAL	RAIN DRIP	SWEEP	EMERGENCY EXIT SIGN	NDT AN EXIT SIGN	EXIT SIGN	FAA WARNING SIGN	
128	WOMEN'S ROOM	(3′-0″	7′-0″	1 3/4	" STL	PAINT		(1) ST	TL PAIN	T 1.5	•	_	L		45		_	_	_		_	_	_	_	_	_	_	_	_	
128A	ACCESSIBLE ROOM			3′-0″		1 3/4			$+ \times +$	\equiv	TL PAIN			_	L		45		-	_			_	_	_	-	-	-	-	-	_	
127	MEN'S ROOM			3′-0″	7′-0″	1 3/4	" STL	PAINT	(A)	1 ST	TL PAIN	T 1.5		_	Р		45		-	_	_		-	_	-	-	-	-	-	-	_	
120	STORAGE ROOM			_	_	_	_	_	-		_	_		_	D		-		_	_	_		_	_	-	-	-	-	-	_	_	
E/G BULDING																																
EG02A	E/G BUILDING			3'-0"	7′-0″	1 3/4	" STL	PAINT	(A)	1 st	TL PAIN	T 1.5		-	D		90		_	_	_		_	_	-	_	-	-	-	-	_	REFER TR
EG02B	E/G BUILDING			3'-0"	7′_0″	1 3/4	″ сті	PAINT		1s	TL PAIN	т 1.5		_	D		90		_	_	_		_	_	_	_	_	_	_	_	_	REFER TR

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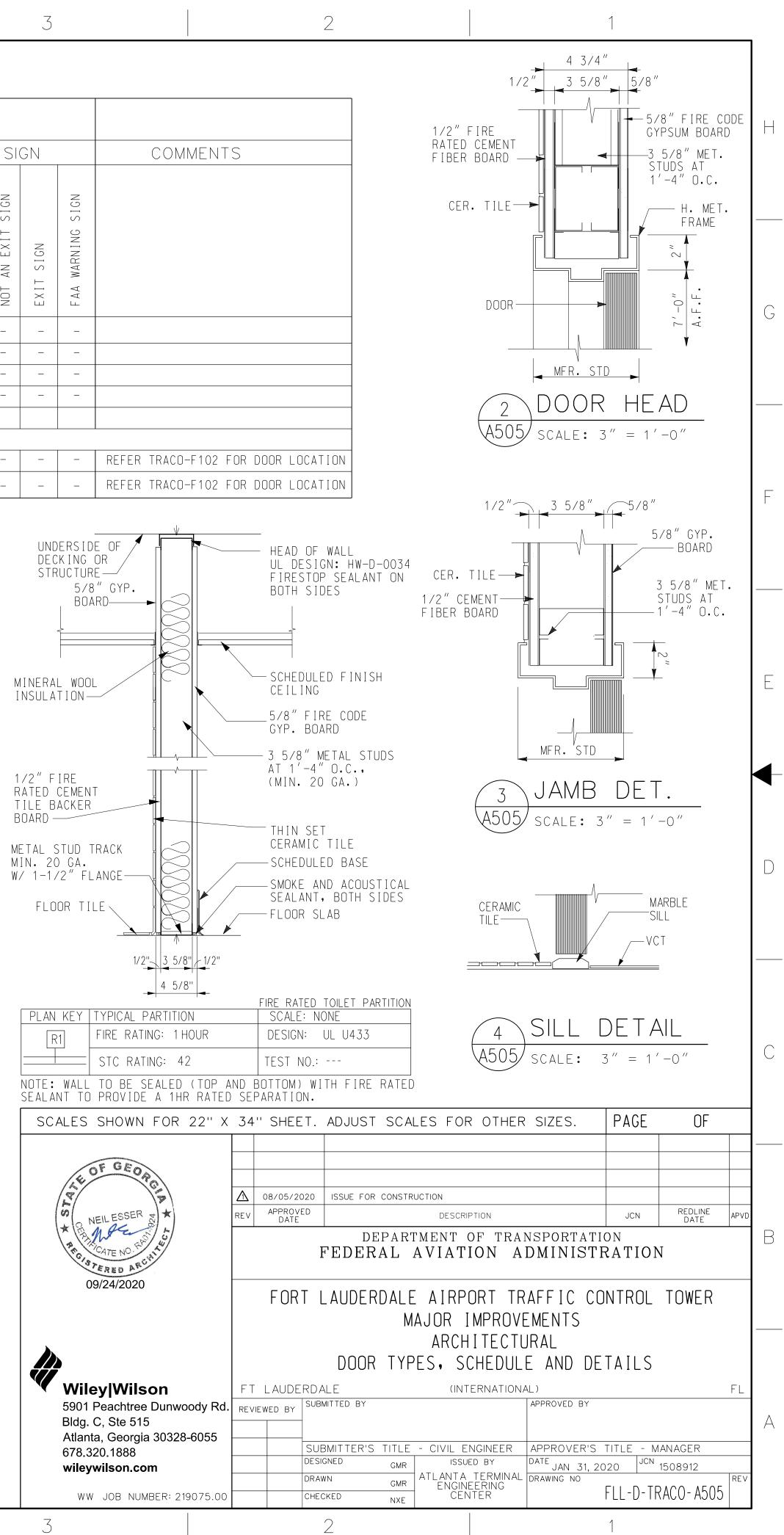
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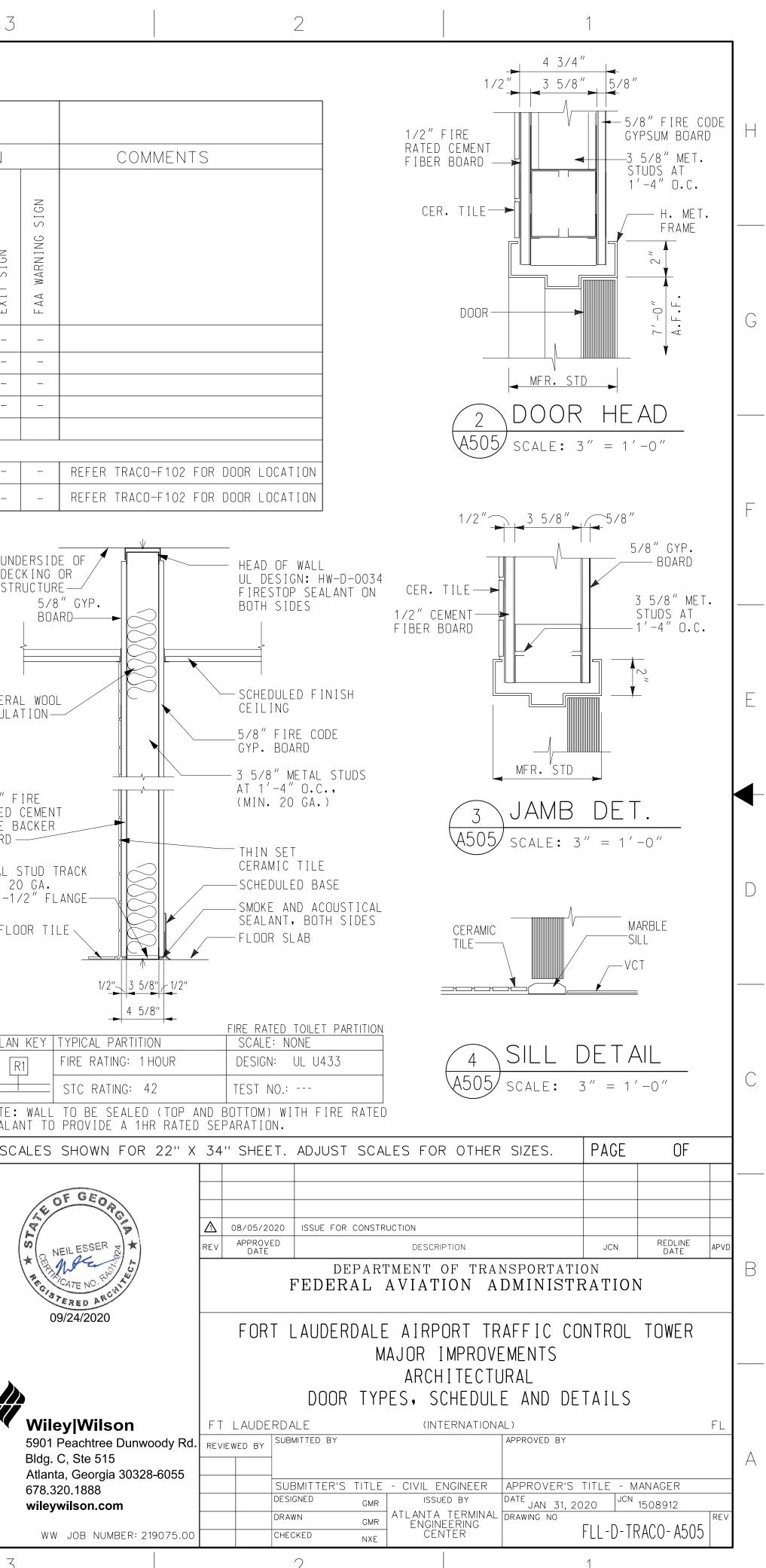
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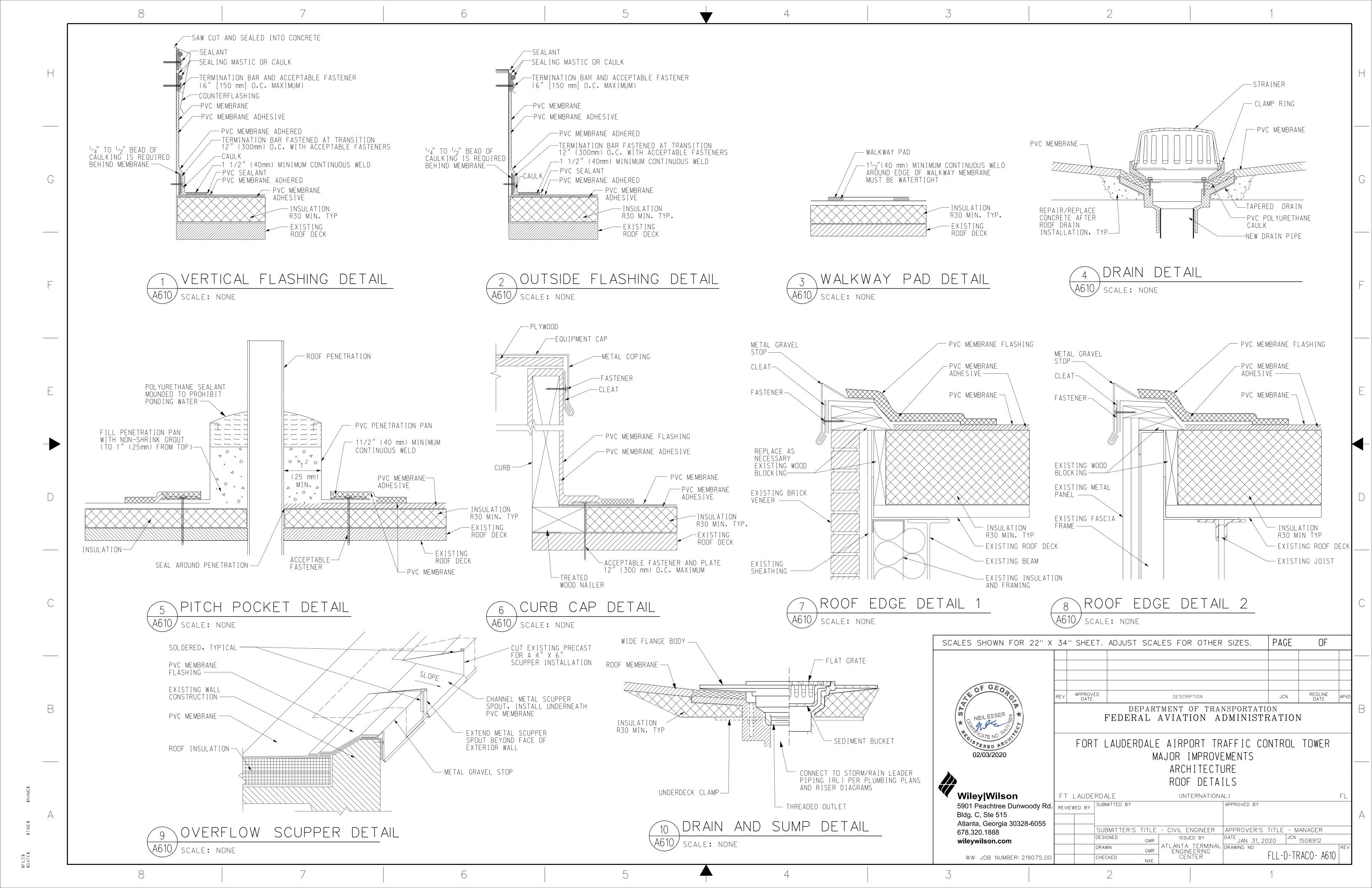
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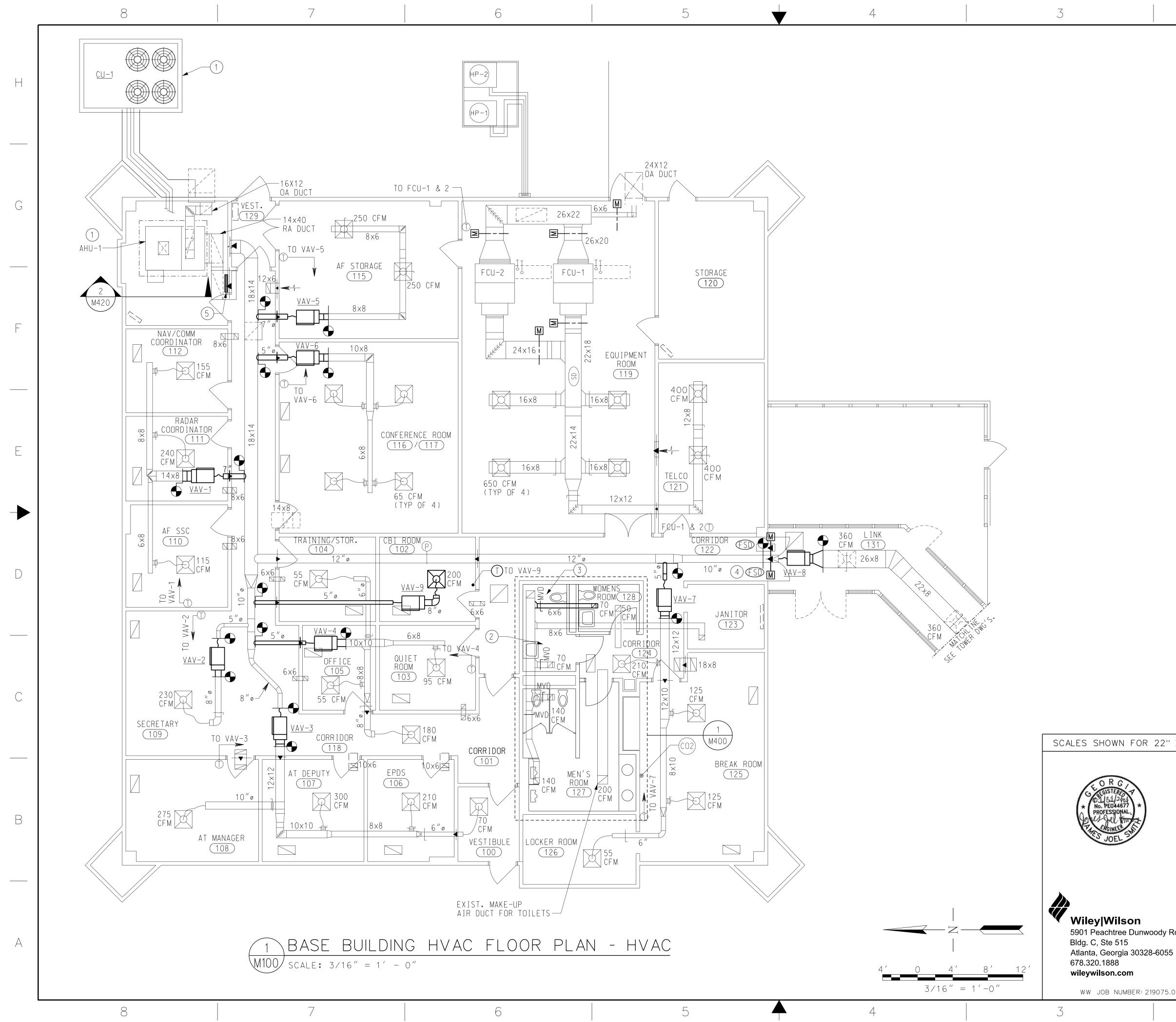
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		HFATING, VF	- NTILATION &	AIR CONDITIONING LEG	FND]
Н		DETAIL NUMBER DRAWING WHERE SHOWN	HWR	HEATING HOT WATER RETURN LINE	HUM	HUMIDIFIER	-
		ADJUSTABLE THERMOSTAT WITH ALPHANUMERIC DISPLAY	M	MOTOR OPERATED DAMPER	FE	FLOW ELEMENT, DUCT-MOUNTED	-
		EQUIPMENT (REFER TO SCHEDULE)	FM	FLOW METER	HT	HUMIDITY TRANSMITTER	-
		DUCT SIZE - FIRST FIGURE IS SIDE SHOWN		FLEXIBLE PIPE CONNECTION		THERMOMETER, AVERAGING	
G		_INED DUCTWORK		FLEXIBLE DUCT CONNECTION			-
	X CFM	CEILING DIFFUSER FOUR WAY BLOW U.N.O. (REFER TO SCHEDULE)		CHILLED WATER, COOLING COIL		THERMOMETER, NON- Averaging	
		RETURN AIR GRILLE (REFER TO SCHEDULE)		DIRECT EXPANSION, COOLING COIL	(TSL)	THERMOSTAT,	-
	[]	LOUVER AND SCREEN REFER TO PLANS FOR SIZE	ED_H HC	ELECTRIC DUCT HEATER, HEATING COIL		LOW-TEMPERATURE PROTECTION	-
F		CONDENSATE DRAIN TRAP (SEE DETAILS)	E H HC	ELECTRIC, HEATING COIL	DPS	DIFFERENTIAL-PRESSURE SWITCH	
		DUCT SECTION POSITIVE PRESSURE	H C HC	HOT WATER, HEATING COIL	DP I	DIFFERENTIAL -PRESSURE INDICATOR	
		DUCT SECTION NEGATIVE PRESSURE	SF	SUPPLY FAN		DAMPER ACTUATOR	-
		SPIN-IN FITTING WITH MANUAL DAMPER/FLEX. DUCT	H	HUMIDISTAT		V STRAINER WITH RIOW OFF	_
Ē.		DUCT SECTION ROUND	HS	HYDROGEN SENSOR		Y-STRAINER WITH BLOW-OFF VALVE AND COUPLING	-
		MANUAL VOLUME DAMPER	CH	CHILLER		Y-STRAINER	_
-		COMBINATION FIRE AND SMOKE DAMPER	AD	AUTOMATIC DAMPER PARALLEL BLADE WITH SEALS		3-WAY CONTROL VALVE WITH MOTOR OPERATOR	
D	FDOR FD	FIRE DAMPER	TT	TEMPERATURE TRANSMITTER DUCT-MOUNTED		2-WAY CONTROL VALVE	-
		DUCT SMOKE DETECTOR				WITH MOTOR OPERATOR	-
		90° LOW PRESSURE ELBOW (PROVIDE DOUBLE THICKNESS TURNING VANE)		TEMPERATURE TRANSMITTER, DUCT-MOUNTED, AVERAGING		GATE VALVE GLOBE VALVE	-
		EXISTING WORK AS SHOWN LIGHT SOLID LINE				CHECK VALVE	-
С		EXISTING WORK SHALL BE REMOVED AS SHOWN CROSS-HATCHED	SMK	SMOKE DETECTOR, DUCT-MOUNTED		DOUBLE CHECK BACKFLOW PREVENTER VALVE	_
		INTERFACING POINT BETWEEN EXISTING WORK TO REMAIN AND EXISTING WORK TO BE REMOVED			-5	PRESSURE REDUCING VALVE	_
		NEW WORK SHOWN AS HEAVY SOLID LINE		PRESSURE TRANSMITTER		COMBINATION BALANCING AND FLOW MEASURING DEVICE	
		CONNECTING POINT BETWEEN NEW WORK AND EXISTING WORK	P I	PRESSURE INDICATOR (GAUGE)		UNION	-
В		ACTUATOR ELECTRIC OR ELECTRONIC	VSD	VARIABLE SPEED DRIVE		EXPANSION VALVE, THERMOSTATIC	
		SQUARE-TO-ROUND TRANS I T I ON	VFD	VARIABLE FREQUENCY DRIVE	S 	SOLENOID VALVE	-
		HILLED WATER SUPPLY LINE HILLED WATER RETURN LINE	[AF MS]	AIR FLOW MEASURING STATION	(BLR)	BOILER	-
		OMESTIC COLD WATER PIPING	DPT	DIFFERENTIAL - PRESSURE TRANSMITTER	HE	PLATE AND FRAME HEAT EXCHANGER	-
A		EATING HOT WATER SUPPLY LINE	(CR)	CURRENT RELAY		7	-
		NG AUTOMATION SYSTEM	FLTR	FILTER	OR	EXISTING FIRE DAMPER	
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ΗV	<u>AC GENERAL</u>		NOT	<u>= S</u>						
1.	THESE DRAWINGS ARE INTENDED THAT A COM AND CONTROLS. THE SHOP DRAWINGS. THE ANY MATERIALS OR EC INSTALLATION.	IPL CC CC	ETE HEA INTRACTO CONTRACT	ATING, DR SHAL TOR SHA	VEN _L C ALL	TILAT AREFU VERIF	ING A LLY R Y ALL	ND AI EVIEW SIZE	R COND ALL T S, MAT	I H E
2.	REFER TO EACH DRAWI	NG	G FOR NO)tes sf	PECI	FIC T	O THA	T DRA	WING S	Η
3.	THIS PROJECT IS A F CONTRACTOR SHALL FI FIELD CONDITIONS WH CONTRACTING OFFICEF WHICH WOULD BE UNUS	EL HIC R	D VERIF Ch DIFFE Represen	EY ALL Er from Ntative	DIM M TH E FO	ENSIO OSE S R RES	NS PR HOWN OLUTI	IOR T ON TH ON BE	O FABR ESE DR	I A
4.	THE CONTRACTOR SHAL CONFINED SPACES. TH									
5.	COORDINATE THE VOLT WRITTEN VERIFICATIO									
6.	COORDINATE DUCTWORK WITH OTHER TRADES W									
7.	ALL NEW CONTROL WIF USED BUT ALL NEW WI WIRING, PIPING, AND	RI	ING IS F	REQUIRE	ED.	THE F	AA CO	NTRAC	TING O	F
8.	ALL DAMPERS, DAMPER THE CONTRACTOR MAY CONTRACT DOCUMENTS	US An	SE ACCES ND APPRO	SS PANE Ived B`	ELS Y TH	FOR T E FAA	HOSE CONT	AREAS RACTI	NOT E NG OFF	A I
9. 10.	ALL DUCT TRANSITION DUCT SIZES ARE SHOW	٧N	AS INS:	DE CLE	EAR	DIMEN	SIONS	. WH	ere in	T
11.	THICKNESS OF THE IN ALL BRANCH DUCTWORK INSTALLED FREE OF K VOLUME DAMPER FOR E	(S (IN	SHALL BE NKS AND	SIZEI SAGS.) TO	МАТС	H THE	DIFF	USER I	N
12.	ALL DIFFUSERS SHALL TO PROVIDE TWO-WAY									
13.	ALL OPEN ENDED DUCT THE PERIMETER OF TH	S	SHALL E	BE REIN	NF OR	CED W	ITH S			
14.	PROVIDE THERMOSTATS OTHERWISE.	5 Δ	AND/OR H	IUMIDIS	STAT	S WHE	re sh	OWN O	N THE	D
15.	CONDENSATE DRAIN LI Plenum, the condens								PE 1/8	,,
16.	ALL PIPING PENETRAT BETWEEN PIPE AND SL	ĪC	ONS THRO)UGH F	IRE-	RATED	WALL	S AND		
17.	INSTALL DUCTWORK AS									
18.	CONTRACTOR SHALL PE SECTION 23 31 13, N				CLE	ANING	FOR	ALL N	EW DUC	Т
<u>SP</u>	ECIAL NOTE	<u>S</u>) -							
Α.	MINIMIZING HVAC EQU OFFICER REPRESENTAT AND/OR COOLING SYST TEMPERATURE REGARDU TEMPORARY HEATING A OTHERS SHALL BE MAI	EN ES	/E (COR 1 DURING SS OF TH)/OR COG), FOR G CONS HE TIME DLING S	MEA TRUC E OF	SURES TION YEAR	TO B AS RE WORK	E TAK QUIRE IS A	CCOMPL	0 L I
3.	CONTRACTOR SHALL SL NOTIFICATION TO ARF	JPP	PLY EMEF	RGENCY				INSE F	OR TEM	Ρ
С.	DURING CONSTRUCTION CLOTH OR OTHER FAA	↓,	THE COM	NTRACTO	OR S	HALL	PROTE			
).	ALL WORK IN THE TRA	ACC)n and T	OWER (CAB	SHALL	BE P	ERFOR	MED BE	Т
- -	CONTRACTING OFFICEF	D	AREAS,	INCLU	DING	WORK	ON T	ERMIN	AL UNI	Т
	7:00 AM OR HOURS NE	.GL	JIIAIED	WIIH (_UCA				NN FO	
							6	L O R	GIA	
							*	OLISI No. PEO PROFESS	12474 100NAL +	
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RE NOT INTENDED TO SHOW IG AND AIR CONDITIONING Y REVIEW ALL THE CONTRA ALL SIZES, MATERIALS, A SHALL PREPARE INSTALLAT	SYSTEM (HVAC) BE PROV CT DOCUMENTS AND COOR ND TEMPERATURE AND PR	IDED WITH ALL NECESS DINATE BETWEEN ALL T ESSURE RATINGS BEFOR	ARY EQUIPMENT, APPUF RADES PRIOR TO SUBM E ORDERING OR INSTAL	RTENANCES ITTING
THAT DRAWING SHEET. FACILITY, AND PREVIOUS FRIOR TO FABRICATION O WN ON THESE DRAWINGS. UTION BEFORE PROCEEDING ANCES.	R PURCHASE OF EQUIPME ANY SUCH DEVIATIONS S	NT, MATERIALS, AND A HALL BE BROUGHT TO T	SSEMBLIES. THERE MA HE ATTENTION OF THE	FAA
SAFETY OF CONTRACTOR'S WITH ALL OCCUPATIONAL CE OF EQUIPMENT WITH DI VISION 26 PRIOR TO INST CAL, STRUCTURAL, AND PLU TO THE GOVERNMENT.	SAFETY HEALTH ADMINIS VISION 26 (ELECTRICAL ALLATION OF EQUIPMENT	TRATION (OSHA) REQUI CONTRACT DOCUMENTS) •	REMENTS. PRIOR TO ORDERING.	PROVIDE
NDED CEILING SHALL BE C CONTRACTING OFFICER RE IN AN AIR PLENUM SHALL L BE ACCESSIBLE. LOCAT DSE AREAS NOT EASILY ACC	PRESENTATIVE SHALL AP BE PLENUM RATED. E ALL EQUIPMENT OR AP	PROVE ALL EXISTING C PURTENANCES IN AREAS	ONDUIT TO BE REUSED. WITH ACCESSIBLE CE	. ALL . Ilings.
CONTRACTING OFFICER REPR IALL BE SMOOTH SQUARE TO	ESENTATIVE PRIOR TO I	NSTALLATION OF EQUIP ITH MINIMUM PRESSURE	MENT. Drop and without le	EAKS.
THE DIFFUSER INLET SERV ENGTH OF FLEXIBLE DUCT				
S NOTED OTHERWISE, ADJ OM OR PARALLEL TO WALLS H STEEL ANGLES (1-1/2"	•			
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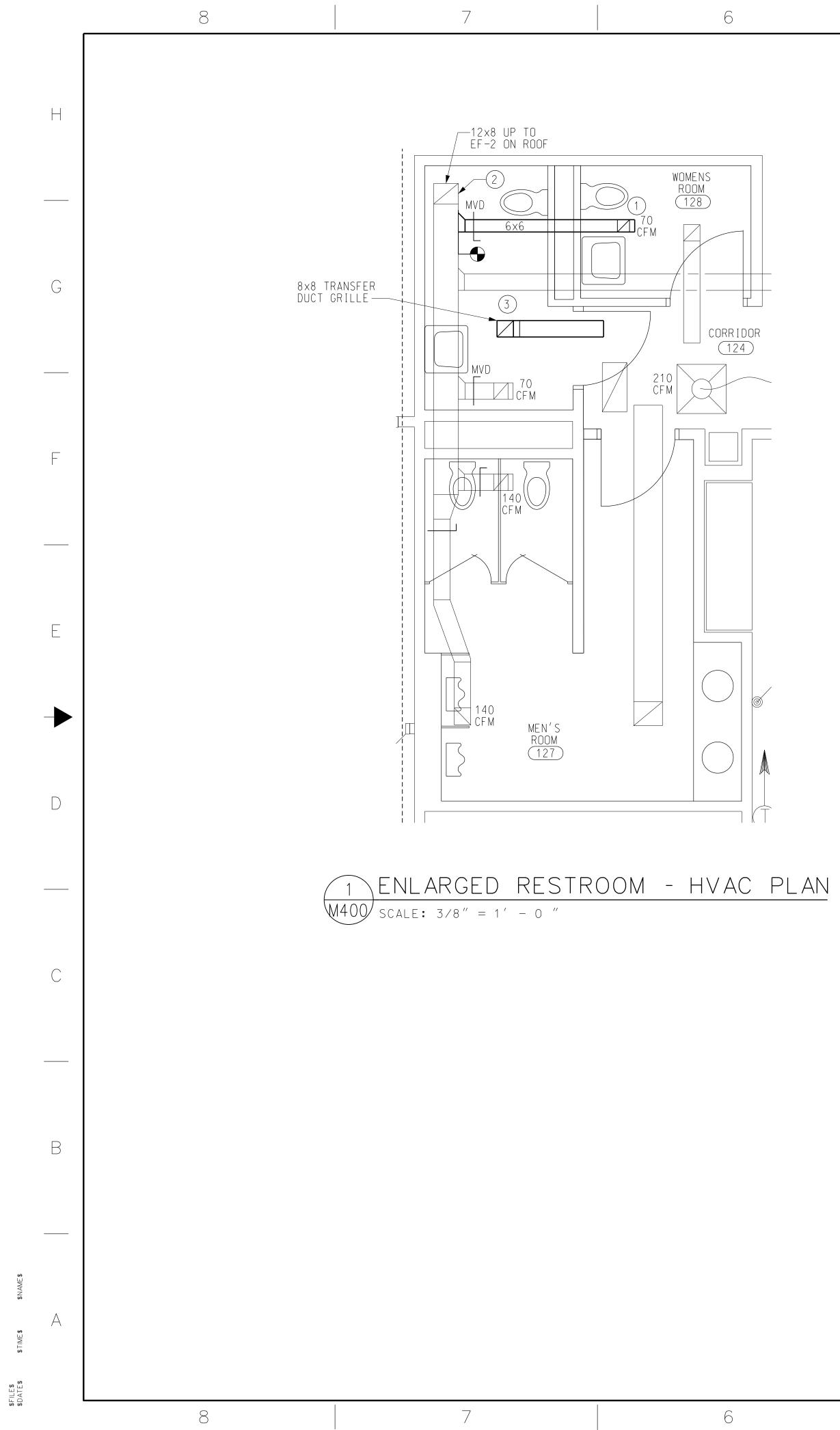


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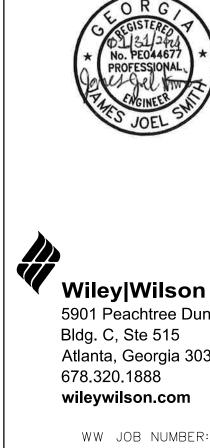
BASE BUILDING FLOOR PLAN - HVAC

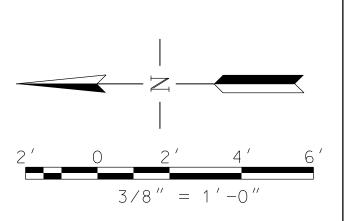
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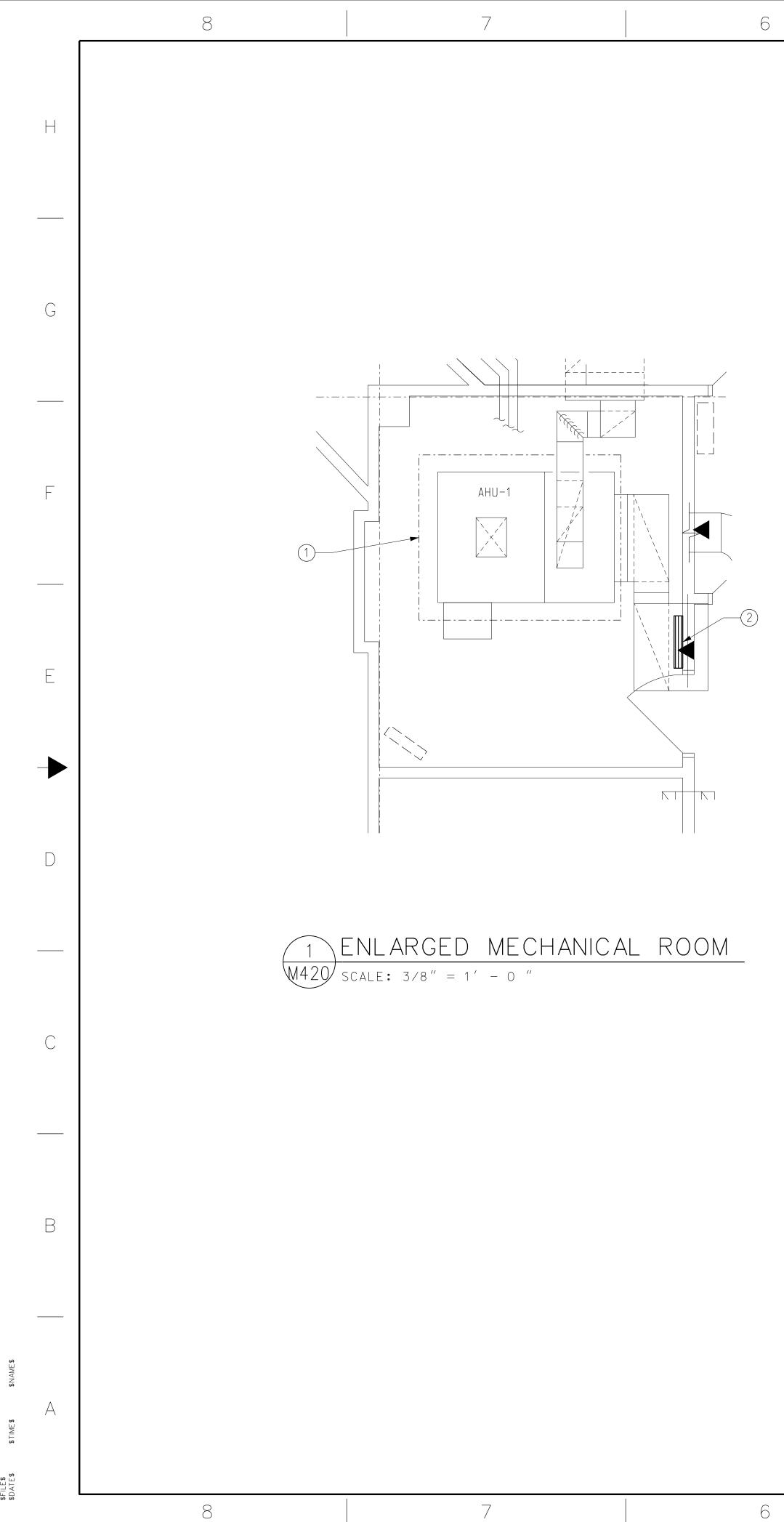
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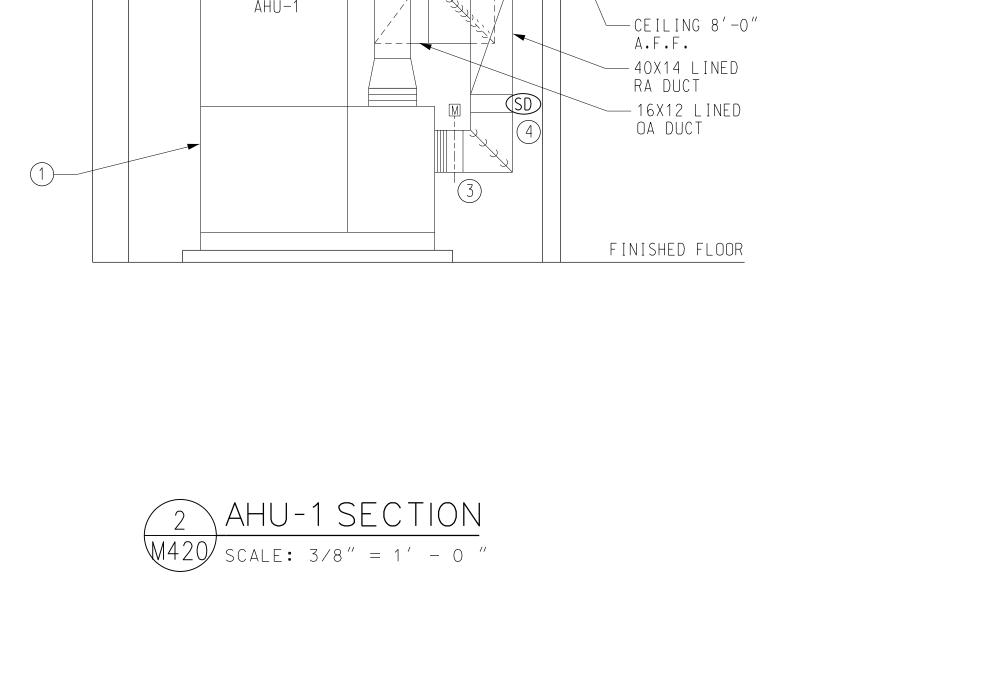


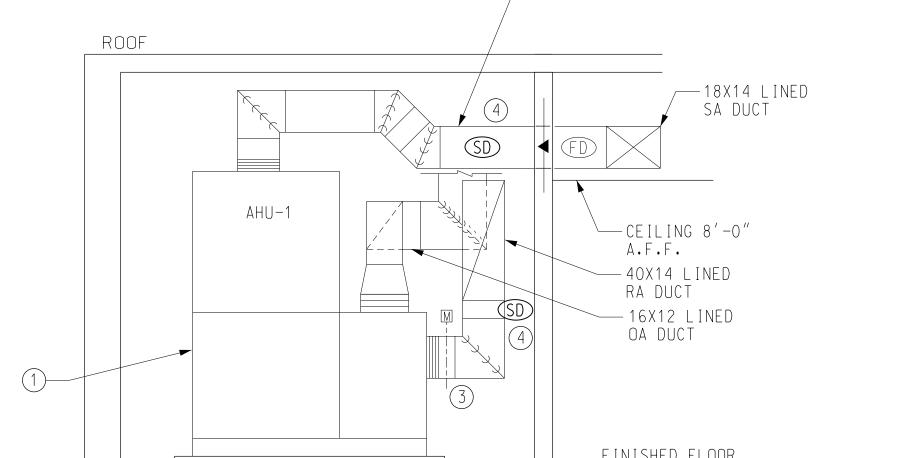




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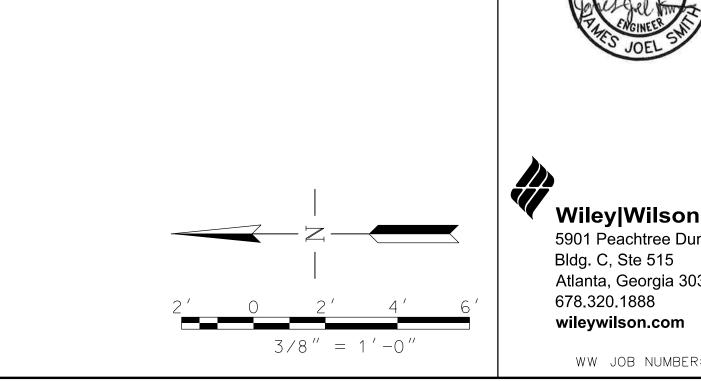






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	LOCATION		SUPPLY	OUTSIDE AIR (CFM)	E.S.P. (IN. WG.)	T.S.P.	MOTOR HP	FAN RPM	TOTAL COOLING CAP. (MBH)	SENSIBLE	EAT (°F) LAT		LAT (°F)					
MARK		TYPE	AIR (CFM)			(IN. WG.)				COOLING CAP. (MBH)	DB	WB	DB	WB	(IN WG)	VOLTAGE/PHASE/Hz	BASIS OF DESIGN	REMARKS
AHU-1	BASE BUILDING MECHANICAL ROOM	SPL I T-DX	4200	1440	3.5	5.86	7.5	2535	274	179	85	69	46.1	46.1	1.39	208/3/60	YORK - XTI-42×60	12346789101

	EXISTING AIR COOLED CONDENSING UNIT SCHEDULE SEE NOTE 18																
MARK						COMPRESSOR DATA			CONDENSER DATA		UNIT AMPACITY ELECTRIC DATA			АТА			
	LOCATION	SERVES	CAPACITY	MIN. NO. REFRIG. CIRCUITS		QTY.	REFRIG. TYPE	NO. OF STEPS	SATB SUCT. TEMP (°F)	COND. FANS QTY.	AMBIENT TEMP °F	AMPS	VOLTS	PH	ΗZ	MAKE AND MODEL	REMARKS
CU-1	380	BASE BUILDING	30	2	9.7	4	R-410A	2	40	4	95	129.5	208	3	60	YORK-J30YD	1234568131517
NOTE	NOTES ARE FOR AHU AND CU																

(1) MAINTAIN MANUFACTURER'S RECOMMEND CLEARANCES FOR SERVICE AND AIRFLOW.

(2) SPLIT SYSTEM SUBMITTAL SHALL INCLUDE DATA ON LINESET LENGTH LIMITATIONS AND DE-RATING VALUES THEREIN. (12) PROVIDE WITH CONDENSATE PUMP CAPABLE OF 10 FT. HD AND 25 GPH, BOD: LITTLE GIANT VCMA-15UL. (3) SELECTIONS SHALL BE BASED ON CAPACITIES AND NOT NOMINAL TONNAGES LISTED FOR REFERENCE ONLY.

(4) COOLING CAPACITIES BASED ON 95 DEGREE AMBIENT AIR TEMPERATURE, 85 DEGREES DB/EAT, AND 69 DEGREES WB EAT.

(5) HEAT PUMP SHALL BE PROVIDED WITH NECESSARY KIT AND ACCESSORIES FOR LOW -AMBIENT COOLING OPERATION. (6) MOUNT INDOOR UNIT PER FEMA SEISMIC REQUIREMENTS.

(7) PROVIDE FIELD-POWERED CONVENIENCE OUTLET AT THE CONDENSING UNIT.

(8) PROVIDE SMOKE DETECTOR IN AHU SUPPLY AND RETURN DUCTS, SMOKE DETECTORS SHALL BE INTERLOCKED TO FIRE PROTECTION CONTROLS, CONTRACTOR SHALL PROVIDE AND COORDINATE WITH FIRE PROTECTION CONTRACTOR,

9 PROVIDE WITH THERMOSTAT/HUMIDISTAT TO BE INTERLOCKED WITH DDC SYSTEM, MOUNT THERMOSTAT MIN. 48" AFF. THERMOSTAT/HUMIDISTAT SHALL BE PASSWORD PROTECTED OR TAMPER-PROOF, SEE CONTROLS DRAWINGS FOR SETTINGS. (19) PROVIDE NEW DUCT MOUNTED SMOKE DETECTORS IN SUPPLY AND RETURN DUCTS. SEE NOTE 8 FOR ADDITIONAL INFORMATION.

VARIABLE AIR VOLUME TERMINAL BOX SCHEDULE

MARK	COOL ING		MAX. DISCHARGE	INLET	HEATING	ELECTRIC	"STAGES"	EAT	LAT	VOLT/PH/HZ/STAGES	TITUS MODEL	REMARKS	
MAIN	(MAX. CFM)	(MIN. CFM)	(SP IN. WG.)	SIZE (IN)	(MIN. CFM)	REHEAT (KW)	STAULS	(°F)	(°F)	VOLT/TH/HZ/STAOLS	TITUS MODEL		
VAV-1	510	170	0.5	7	170	2.5	2	48	95	208/1/60/1	DESV-7	123456	
VAV-2	230	135	0.5	5	135	2	1	48	95	208/1/60/1	DESV-5	123456	
VAV-3	855	405	0.5	8	405	6	2	48	95	208/1/60/1	DESV-8	123456	
VAV-4	385	135	0.5	5	135	2	2	48	95	208/1/60/1	DESV-5	123456	
VAV-5	500	270	0.5	7	270	4	1	48	95	208/1/60/1	DESV-7	123456	
VAV-6	260	135	0.5	5	135	2	2	48	95	208/1/60/1	DESV-5	123456	
VAV-7	515	170	0.5	5	170	2.5	1	48	95	208/1/60/1	DESV-5	123456	
VAV-8	1080	605	0.5	10	605	9.0	2	48	95	208/1/60/1	DESV-10	123456	
VAV-9	200	135	0.5	5	135	2	2	48	95	208/1/60/1	DESV-5	123456	

① PROVIDE WITH FACTORY MOUNTED DDC CONTROLLERS (DDC SUPPLIED BY THE CONTROLS MANUFACTURER AND MOUNTED BY THE TERMINAL UNIT MANUFACTURER). (2) PROVIDE DOUBLE-WALL CONSTRUCTION AND ACCESS PANEL.

7

(4) HEATING CFM IS BASED ON 47-DEGREE DELTA T AND AN LAT OF 95 DEGREES. 5 PROVIDE DIGITAL-BASED MOTOR-OPERATED VALVE.

(6) PROVIDE WITH INTERNAL NON-FUSED, DOOR INTERLOCK DISCONNECT. COORDINATE WITH ELECTRICAL.

(3) maximum nc level shall be nc 30.

8

EXHAUST FAN SCHE ESP FAN MAX SERVES CFM MARK LOCATION TYPE INCH WG RPM SONES ΗP EF-2 BASE BUILDING TOILETS ROOF CENTRIFUGAL 420 0.325 1203 1/6 5.8 (1) PROVIDE WITH FACTORY ROOF CURB, BACKDRAFT DAMPER, BIRD SCREEN AND DISCONNECT SWITCH. 3 PROVIDE CORROSION PROTECTION ON ALL METAL COMPONENTS INCLUDING HOUSING, WHEEL, THROAT, BACKDRAFT DAMPER AND CURB, CORROSION PROTECTION SHALL BE FACTORY COATING OF (2) FAN AND CURB SHALL BE CERTIFIED MIAMI-DADE HIGH WIND RATED. ELECTROSTATICALLY APPLIED POWDERED POLYESTER-URETHANE.

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EXISTING AIR HANDLING UNIT SCHEDULE SEE NOTES (18)(19)

UN FRUVIDE INERMUSIAILE EXPANSIUN VALVE.

(1) PROVIDE WITH CONDENSATE OVERFLOW SWITCH. SWITCH SHALL SHUT DOWN UNIT AND INDICATE ALARM IN DDC. SEE CONTROL DRAWINGS.

(13) PROVIDE SECONDARY CORROSION RESISTANT DRAIN PAN.

(14) Shop drawings shall include combination ratings.

(15) provide (modine electrofin e-coat) on condenser and evaporator coils.

(16) UNIT SHALL BE DIRECT DRIVE WITH INTEGAL VFD.

(17) SEE ELECTRICAL FOR DISCONNECT AT CU-1.

(18) REPLACEMENT OF AHU-1 & CU-1 ARE BEING COMPLETED UNDER A SEPARATE CONTRACT AND ARE NOT A PART OF THE SCOPE OF THIS PROJECT. DATA IS PROVIDED FOR REFERENCE ONLY.

FIRE AND SMOKE DAMPER SCHEDULE											
MARK	LOCATION	NORMAL SETTING	FUNCTION	TYPE							
FSD-1	BASE BUILDING/LINK	NO	SA, FSD	2 POSITION, LL, FL, PB, M							
FSD-2	BASE BUILDING/LINK	NO	SA, FSD	2 POSITION, LL, FL, PB, M							
SA NO RA FL M	= SUPPLY AIR DUCT = NORMALLY OPEN = RETURN AIR DUCT = FUSIBLE LINK = MOTORIZED	F SD LL PB		ON FIRE AND SMOKE DAMPER GE, AIRFOIL BLADE BLADE							

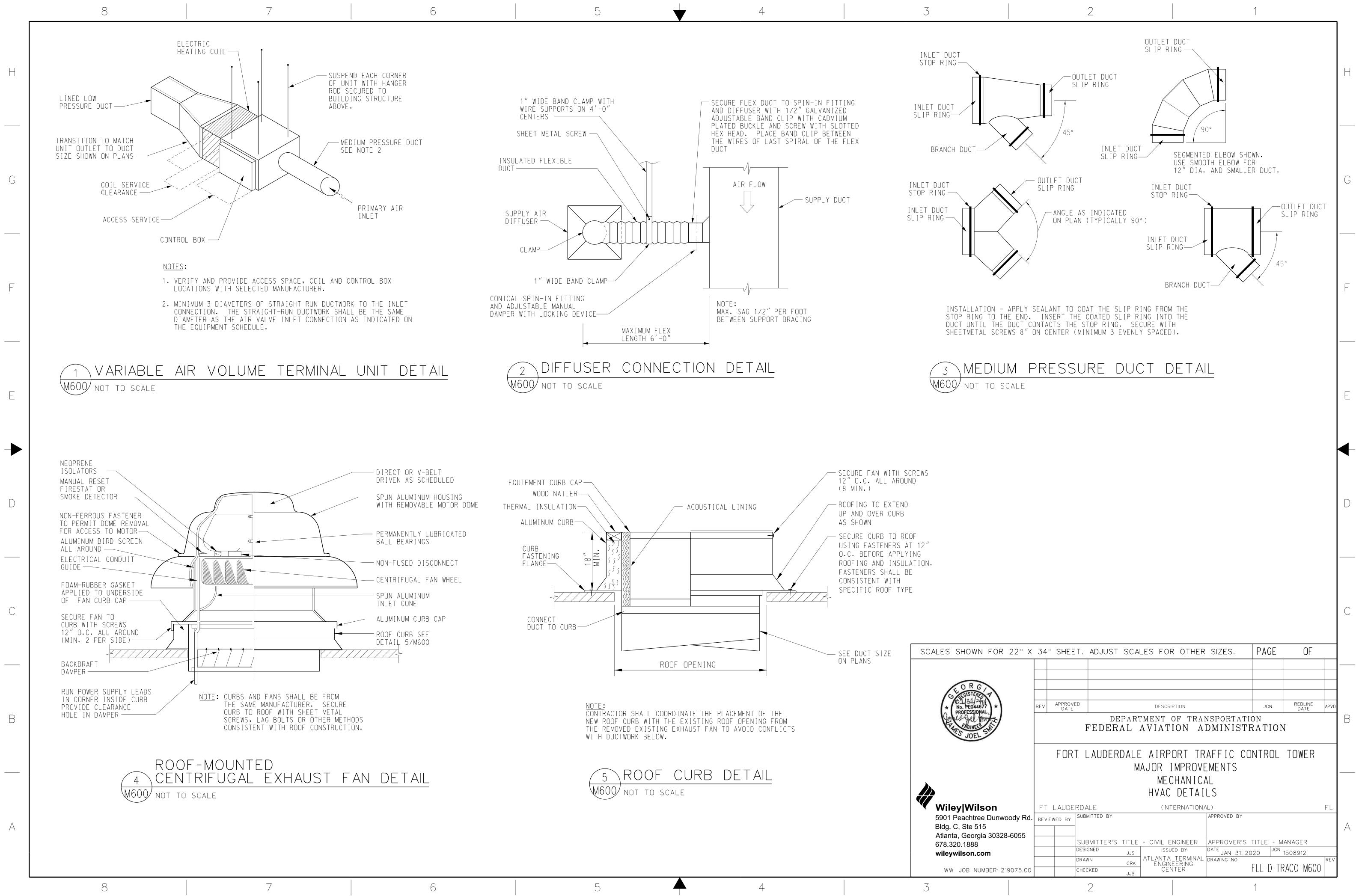
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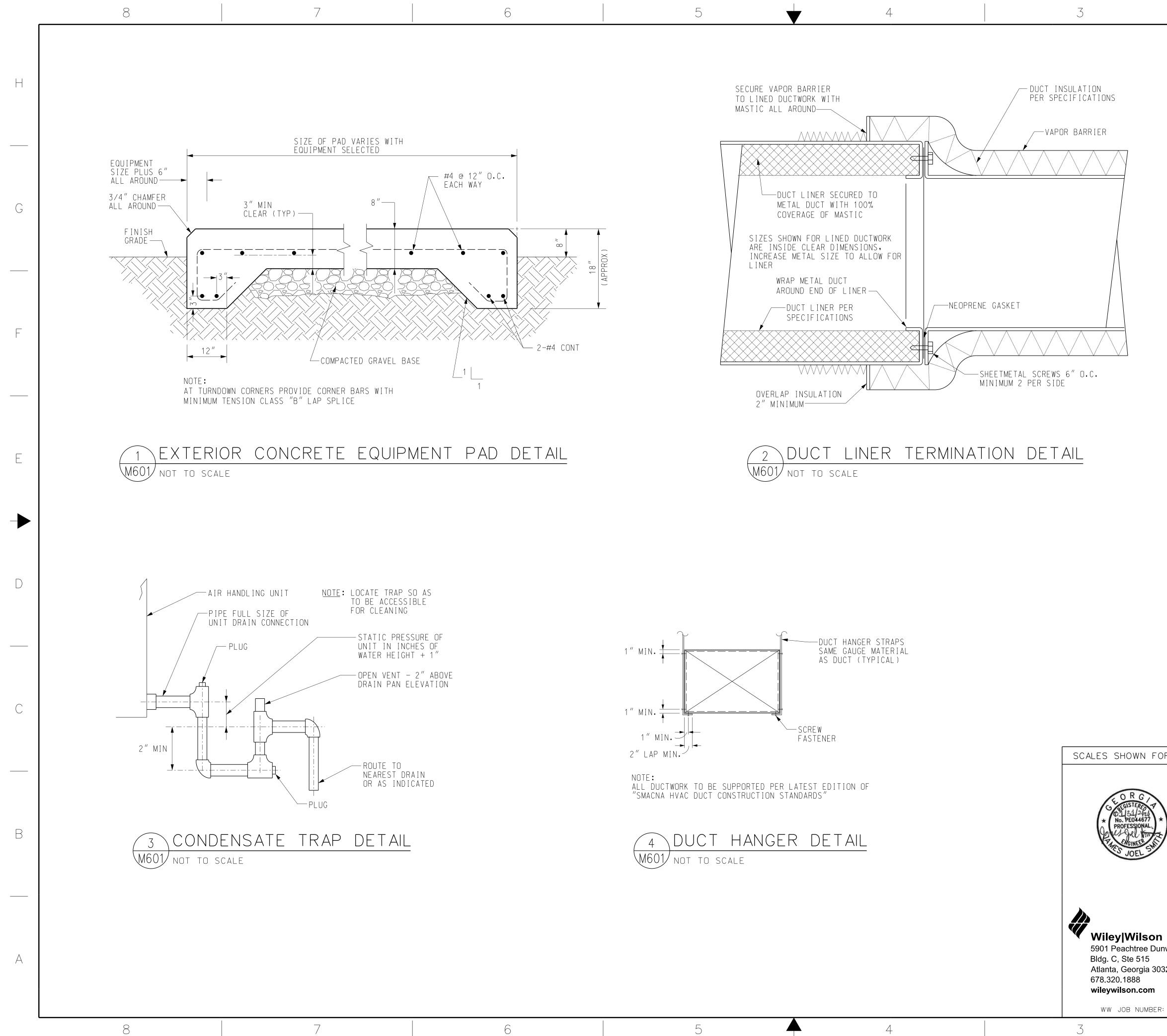
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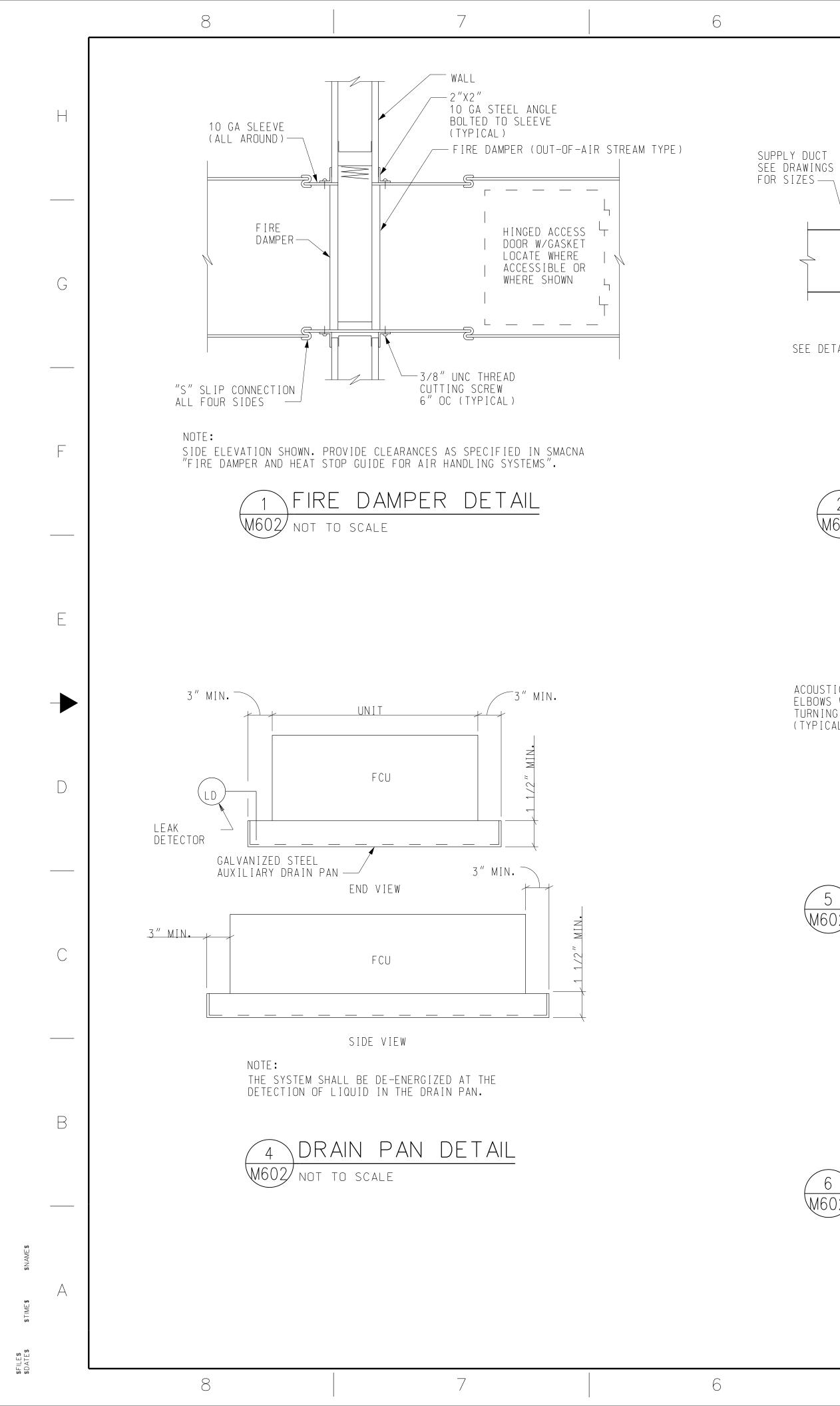


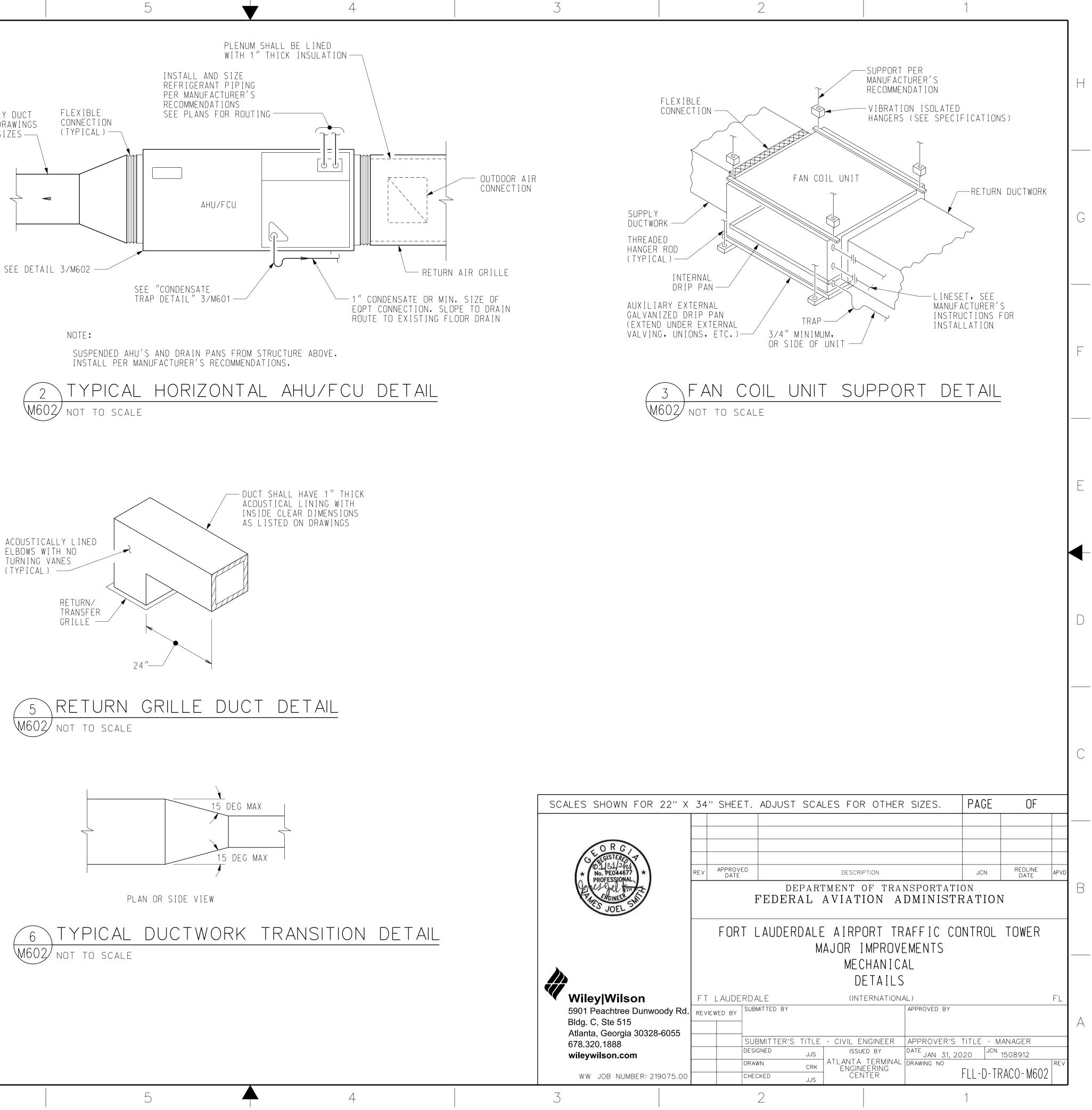
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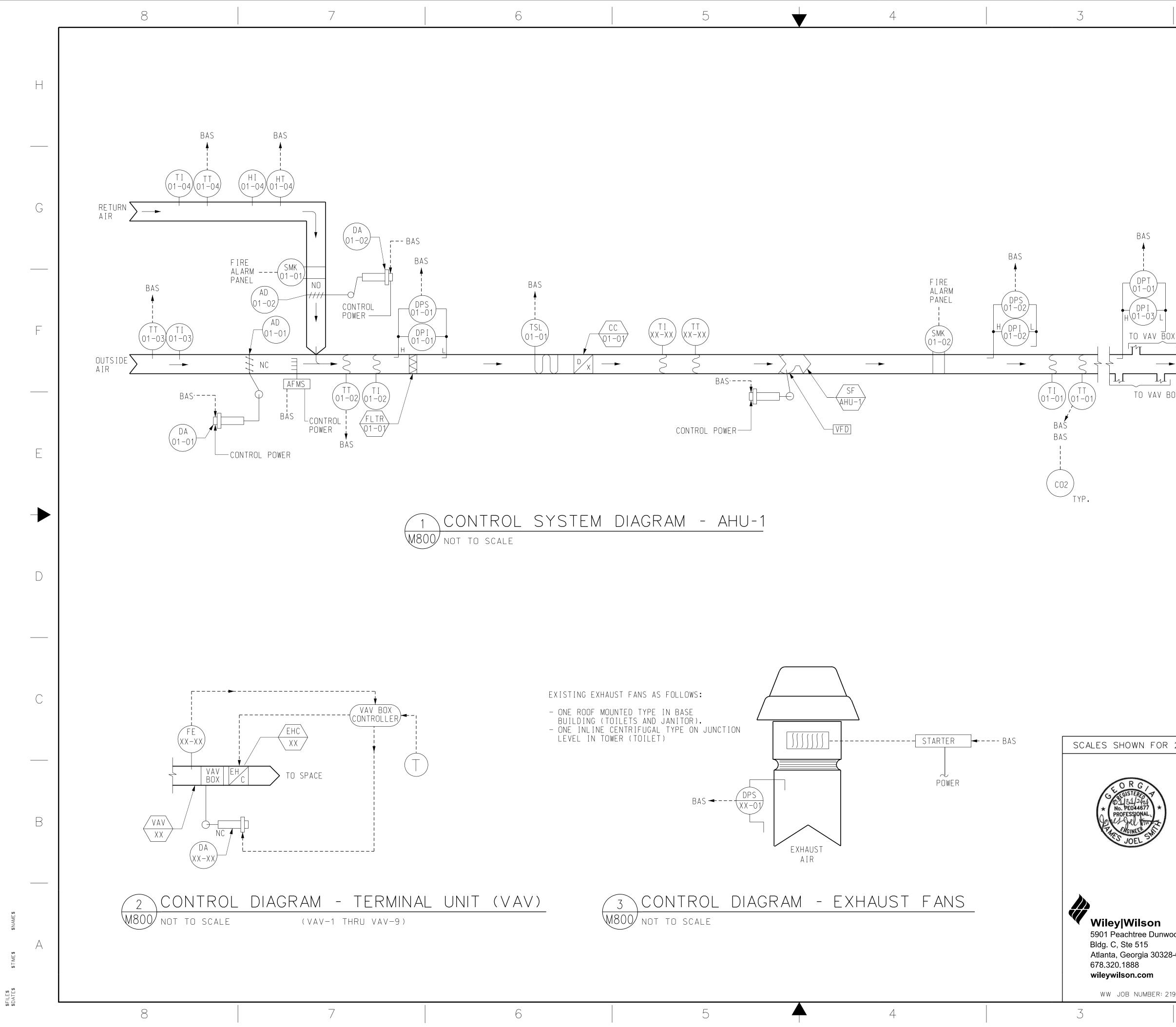
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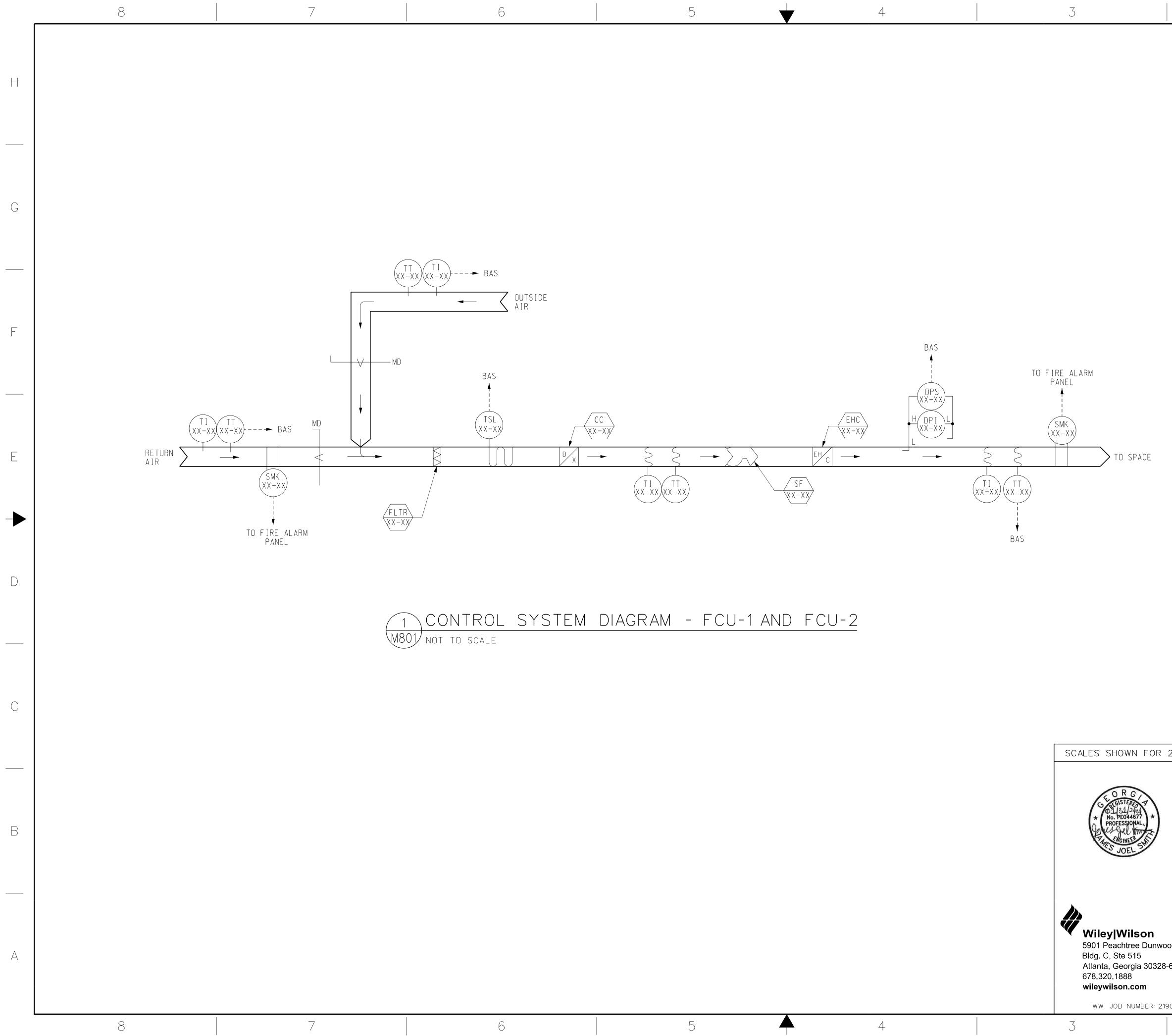
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	NOTES	
	 SEE DRAWING TRACO-MOOO FOR HVAC LEGEND AND GENERAL NOTES. EXISTING AIR HANDLING UNIT TO REMAIN. INTEGRATE WITH NEW DDC SYSTEM. 	Η
	 THE SMOKE DETECTOR AND FIRE ALARM CONTROL MODULES SHALL BE FURNISHED AND INSTALLED BY FIRE ALARM CONTRACTOR. INSTRUMENT NUMBER ASSIGNMENTS ARE OMITTED WHEN DIAGRAMS APPLY TO MULTIPLE SYSTEMS/ EQUIPMENT. CONTRACTOR SHALL ASSIGN THEM. 	
		G
		F
V BOXES		E
		D
OR 22'' X	34" SHEET. ADJUST SCALES FOR OTHER SIZES. PAGE OF	С
* t	Image: Constraint of the second se	В
C.	FORT LAUDERDALE AIRPORT TRAFFIC CONTROL TOWER	
	MAJOR IMPROVEMENTS MECHANICAL CONTROL SYSTEM DIAGRAM AHU-1, VAV & EXHAUST FANS	
n unwoody Rd. 0328-6055	FT LAUDERDALE (INTERNATIONAL) FL REVIEWED BY SUBMITTED BY APPROVED BY	А
	SUBMITTER'S TITLE - CIVIL ENGINEER APPROVER'S TITLE - MANAGER DESIGNED JJS DRAWN CRK CHECKED LUS CHECKED LUS SUBMITTER'S TITLE - CIVIL ENGINEER APPROVER'S TITLE - MANAGER DATE JAN 31, 2020 JCN 1508912 DRAWING NO CHECKED LUS	
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	NOTES 1. see drawing traco-modo for hvac legend and general notes.	
	 THE SMOKE DETECTOR AND FIRE ALARM CONTROL MODULES SHALL BE FURNISHED AND INSTALLED BY FIRE ALARM CONTRACTOR. INSTRUMENT NUMBER ASSIGNMENTS ARE OMITTED WHEN DIAGRAMS APPLY 	H
	TO MULTIPLE SYSTEMS/ EQUIPMENT, CONTRACTOR SHALL ASSIGN THEM,	
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R 22'' X	34" SHEET. ADJUST SCALES FOR OTHER SIZES. PAGE OF	
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	FORT LAUDERDALE AIRPORT TRAFFIC CONTROL TOWER MAJOR IMPROVEMENTS MECHANICAL	
woody Rd.	CONTROL SYSTEM DIAGRAM FCU-1 AND FCU-2 FT LAUDERDALE (INTERNATIONAL) FL	
28-6055	SUBMITTER'S TITLE - CIVIL ENGINEER APPROVER'S TITLE - MANAGER DESIGNED JJS ISSUED BY DATE JJS ISSUED BY DATE JCN	A
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Н	<u>GENERAL</u> – THE NEW HVAC CONTROL SYSTEM A "SMARTSTRUXURE" AS MANUFACTUR – NEW THERMOSTATS SHALL BE SCHN WITH ADJUSTABLE DDC DETERMINE – PROVIDE A NEW DDC CENTRAL WOR	ED BY SCHNEIDER ELECTRIC. EIDER ELECTRIC STR 250, WALL D BAND.	-MOUNTED ALPHANUMERIC D	ISPLAY
	REPRESENTATIVE.			
		<u>i and cu-i</u> y a process control unit, th panel which shall have proc		
\sim	A MANUAL OVERRIDE FOR HOLID - THE SYSTEM SHALL "SOFT STAR	AY PERIODS, ETC. T" THE SUPPLY FAN AND SLOWLY	(RAMP THE VARIABLE FREQ	UENCY DRIVE UP TO
G	– THE SYSTEM SHALL MAINTAIN A MOUNTED AIR FLOW MEASURING	IN THE SUPPLY DUCT MONITORE CONSTANT MINIMUM OUTSIDE A STATION AND MODULATION OF TH TABLE) SHALL BE MAINTAINED E	IR FLOW (ADJUSTABLE) BY HE AHU MIXING BOX DAMPER	MONITORING A DUCT- S. THE SUPPLY AIR
		OR TWO SPACE MOUNTED CO2 SEN YSTEM SHALL INCREASE THE FRE		
	- SMOKE DETECTORS IN THE SUPP SMOKE ALARM IF SMOKE IS DET	LY AIR AND RETURN AIR DUCTWO ECTED AT EITHER LOCATION, RE		
F	SPACE REMAINS ABOVE SETPOIN SENSOR WITH THE VAV DAMPER LOW TEMPERATURE SETTING (46 SETTING UNTIL ALL ZONES HAV	-	E) AS MEASURED BY THE SP SUPPLY AIR TEMPERATURE PPLY AIR TEMPERATURE SHA DINT. WHEN ALL ZONES AR	ACE TEMPERATURE SHALL BE RESET TO LL REMAIN AT LOW E SATISFIED FOR
	SENSOR, THE OA DAMPER SHALL OPEN FULLY. THIS MODE SHAL BUILDING HUMIDITY REMAINS A	VELS RISE ABOVE SETPOINTS (A MOVE TO ITS MINIMUM SCHEDUL L CONTINUE UNTIL SUCH TIME A BOVE SETPOINT FOR 10 MINUTES D SHALL CONTINUE UNTIL BUILD	ED POSITION AND THE RET AS THE HUMIDITY FALLS BE 5 (ADJUSTABLE) SUPPLY AI	URN AIR DAMPER SHALL LOW THE SETPOINT. IF R LOW TEMPERATURE
E		OPERATION SUBSEQUENT HEATING ING COILS IN THE VAV BOXES S		
-	- THE TERMINAL UNITS (VAV-1 T APPLICATION SPECIFIC CONTRO A WALL MOUNTED THERMOSTAT A BOARD FLOW TRANSDUCER AND T INCREASE THE AIR FLOW TO PR AS SPACE TEMPERATURE APPROA MINIMUM LEVEL SCHEDULED (AD POINT (ADJUSTABLE) THE ELEC	HRU VAV-9) ASSOCIATED WITH A LLERS (MR-VAV-AX). THE CONTE ND SHALL MODULATE AIR FLOW F HE VAV BOX MANUFACTURER PROV OVIDE COOLING WHEN THE SPACE CHES THE SETPOINT THE CONTRO JUSTABLE). WHEN THE SPACE TRIC HEAT STRIPS SHALL BE EN	ROLLER SHALL MONITOR THE FROM MINIMUM TO MAXIMUM /IDED FLOW RING. THE CO E TEMPERATURE RISES ABOV DLLER SHALL THROTTLE BAC FEMPERATURE FALLS BELOW NERGIZED UNTIL SPACE TEM	SPACE CONDITIONS BY CFM BASED ON THE ON NTROLLER SHALL E COOLING SET POINT. K THE VAV BOX TO THE THE HEATING SET PERATURE RISES ABOVE
D	HEATING SETPUINT. THE CUNT	ROLLER SHALL ENFORCE A DEAD	BAND BEFURE ENABLING IH	- HEAL.
	SEQUENCE OF OPERATION: FCU-			
	SHALL MAINTAIN INTERIOR CON UNIT, THE SUPPLY FAN SHALL	-1/HP-1 AND FCU-2/HP-2 SERVE DITIONS AND SHALL EACH BE CO RUN CONTINUOUSLY IN THE OCCU ERGIZE/DE-ENERGIZE TO MAINTA	DNTROLLED BY A PROCESS C JPIED MODE, SUPPLEMENTA	ONTROL L ELECTRIC
\cap	THE EQUIPMENT AND TELCO ROC	ED BASED ON SPACE CONDITIONS M. SYSTEM AND/OR SUPPLEMEN H SPACES, MOTORIZED ISOLATIC MOTOR.	F HEAT SHALL RUN/ENERGIZ	E WHEN
	- ONLY ONE FCU/HP SYSTEM (PRI ONE SYSTEM "PRIMARY" RESPON SHALL REVERSE THE ASSIGNMEN SYSTEM SHALL OPERATE TO MAI NOT REACHED AFTER TEN MINUT THE DDC SYSTEM SHALL STOP T ASSIGNMENTS, THE NEWLY DES	MARY) SHALL OPERATE AT A TIN SIBILITY AND THE OTHER SYSTE T BI-MONTHLY TO EQUALIZE RUN NTAIN SPACE CONDITIONS. IF ES (ADJUSTABLE) OF CONTINUOU HE PRIMARY SYSTEM AND REVERS IGNATED PRIMARY SYSTEM SHALL A FAILURE FLAG FOR THE STOP	EM "STANDBY" RESPONSIBIL N-TIME ACCUMULATION, TH THE SPACE TEMPERATURE S JS OPERATION OF THE PRIM SE THE PRIMARY AND STAND BE STARTED, THE DDC S	ITY AND E PRIMARY ETPOINT IS ARY SYSTEM, BY
	SUPPLY FAN AND SHALL OPEN B	PPLY AND RETURN SHALL BE IN EFORE THE SUPPLY FAN IS STAF ATION SHALL BE CONTROLLED BY	RTED AND CLOSE WHEN THE	FAN IS
В	CONTROLLED AND RUN STATUS M	MOUNTED TYPE) SERVING THE TO ONITORED VIA THE DDC SYSTEM TERMINED BY OPERATION OF AHU	FAN SHALL BE CONTROLL	
		S AND DEADBANDS SHALL BE AD		et as
	ROOM	SETPOINT <u>COOLING/HEATING</u>	DE ADBANE <u>COOL ING/HE A</u>	
	RADAR EQUIPMENT ROOM NAV/COM EQUIPMENT ROOM	73°F/73°F 73°F/73°F	-2°F/+2° -2°F/+2°	
А	OFFICES AND REMAINING SPACE (EXCEPT TRACON)	S 75°F/75°F	-2°F/+2°	Ē
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POINT DESCRIPTION		INPUTS OUTPUTS							-								
			ANA	LOG			D	DIGITAL			ANALOG			DIGITAL			
AHU-1/CU-1	HUMIDITY	TEMPERATURE	DUCT STATIC PRESSURE	C0-2	DIFFERENTIAL PRESSURE	CFM	AUXILIARY CONTACT	DIFFERENTIAL PRESSURE SW	CURRENT SWITCH	0-10 VOLT CONTROL	POSITION ADJUSTMENT			CONTROL RELAY(S)			
SUPPLY AIR RETURN AIR MIXED AIR FILTER SUPPLY FAN	X	X X X	X		X			X		X				 Х			-
CONDENSING UNIT STAGES OUTSIDE AIR MIXING BOX DAMPERS SPACE CO2 (2 REQ'D) SMOKE DETECTORS (2 REQ'D)		X		X		X	X		X	X				X 			-
EXISTING EXHAUST FAN								Х						Х			-

 \checkmark

POINT DESCRIPTION				INPL	JTS							OUT	PUTS			
		ANALOG			ANALOG DIGITAL			ANALOG					DIG	ITAL		
VAV BOXES (VAV-1 THRU VAV-9)	TEMPERATURE	DUCT STATIC PRESSURE	C0-2	DIFFERENTIAL PRESSURE	CFM	AUXILIARY CONTACT	DIFFERENTIAL PRESSURE SW	CURRENT SWITCH	0-10 VOLT CONTROL	POSITION ADJUSTMENT			CONTROL RELAY(S)	STATUS		
SPACE	X															
SUPPLY AIR					Х											
AIR VALVE										X						
STAGES SUPPLEMENTAL HEAT													X			<u> </u>
AFTER HOURS OCCUPANCY						X							<u> </u>			<u> </u>
AUXILIARY HEAT						Х								Х		ł

INF					TF	°U7	- (SUN	MM.	AR	Y					
POINT DESCRIPTION		INPUTS							OUTPUTS							
		ANA	LOG			D	IGIT	AL			VALO	G		DIG	ITAL	
FCU-1/2 HP-1/2	TEMPERATURE	DUCT STATIC PRESSURE	C0-2	DIFFERENTIAL PRESSURE	CFM	AUXILIARY CONTACT	DIFFERENTIAL PRESSURE SW	CURRENT RELAY	END POSITION SWITCH	0-10 VOLT CONTROL	POSITION ADJUSTMENT		CONTROL RELAY(S)			
SPACE	Х															
SUPPLY AIR	X															
RETURN AIR MIXED AIR	XX															
FILTER				X												
SUPPLY FAN							X						X			
CONDENSING UNIT STAGES													Х			
REVERSING VALVE													Х			
SUPPLEMENTAL HEAT STAGES													X			
MOTORIZED ISOLATION DAMPER						X			X		X					

SCALES SHOWN



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C CGISTERES () 1/31/24/4 * No. PE044677 *	REV	APPROVI DATE	ED		DESCRI	PTION		JCN	REDLINE DATE	APVD	
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		FOR	t laude			ORT TR MPROVE	AFFIC C EMENTS	ONTROL	TOWER		
		SE	QUENCE	OF OF		CHANICA ON AND	AL SYSTEM	POINT	LIST		
Wiley Wilson	FT	LAUDE	rdale		(INT	ERNATION	AL)			FL	
901 Peachtree Dunwoody R Idg. C, Ste 515 Atlanta, Georgia 30328-6055		EWED BY	SUBMITTED BY				APPROVED BY				А
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vileywilson.com			DESIGNED	JJS		ED BY	date JAN 31, 2	2020 JCN	1508912		
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	LEGEND	
	()()	NEW WORK AS SHOWN HEAVY LINE
	<pre>5</pre>	CONNECTING POINT BETWEEN NEW PIPING AND EXISTING PIPING
	Ę ,	FLOW SWITCH
	<u>ب (</u>	PRESSURE GAUGE
		UNION
	٢٢	EXISTING PIPING AS SHOWN LIGHT DASHED
	<u> </u>	EXISTING PIPING TO BE REMOVED
	2	INTERFACING POINT BETWEEN EXISTING PIPING TO REMAIN AND EXISTING PIPING TO BE REMOVED

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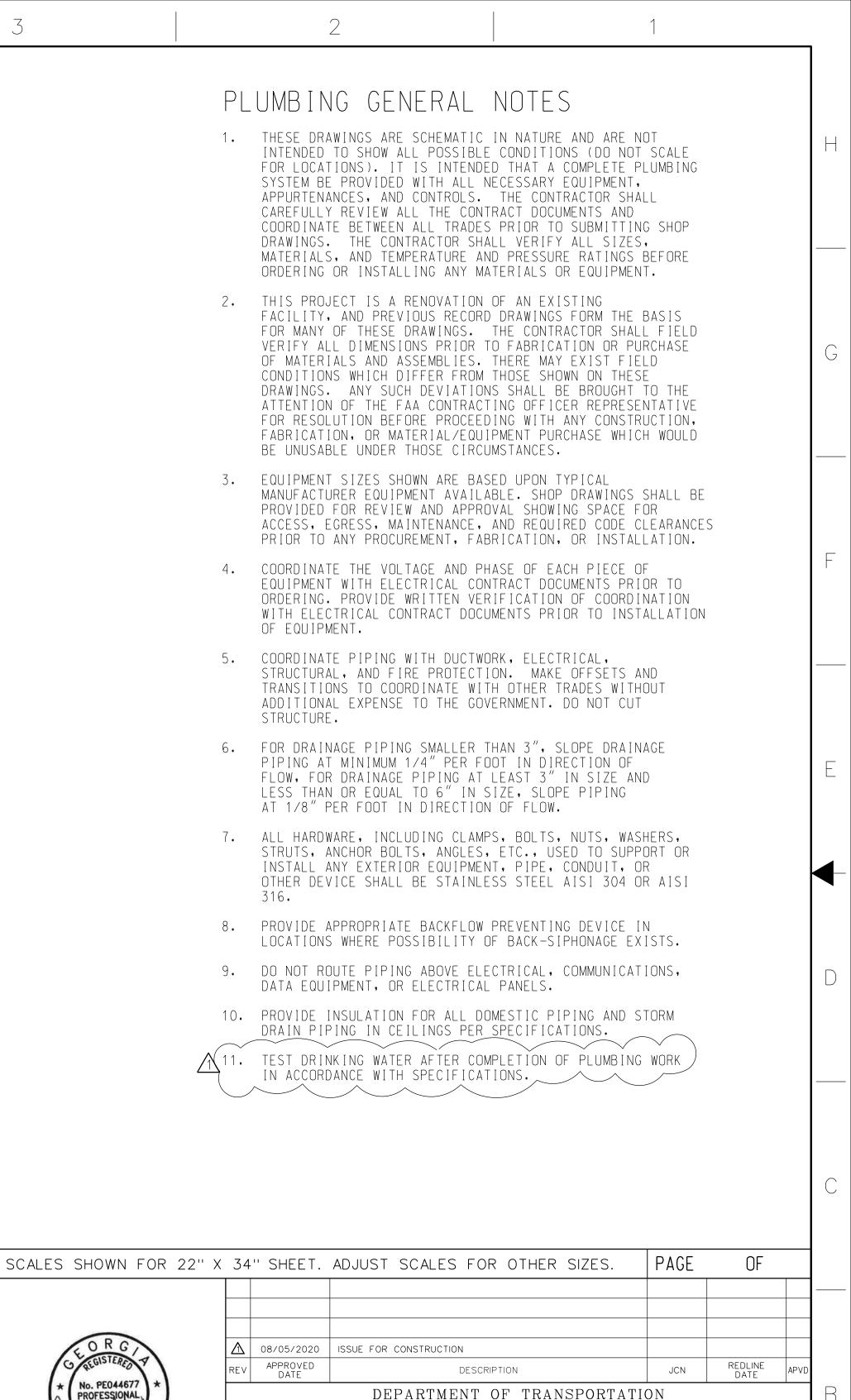
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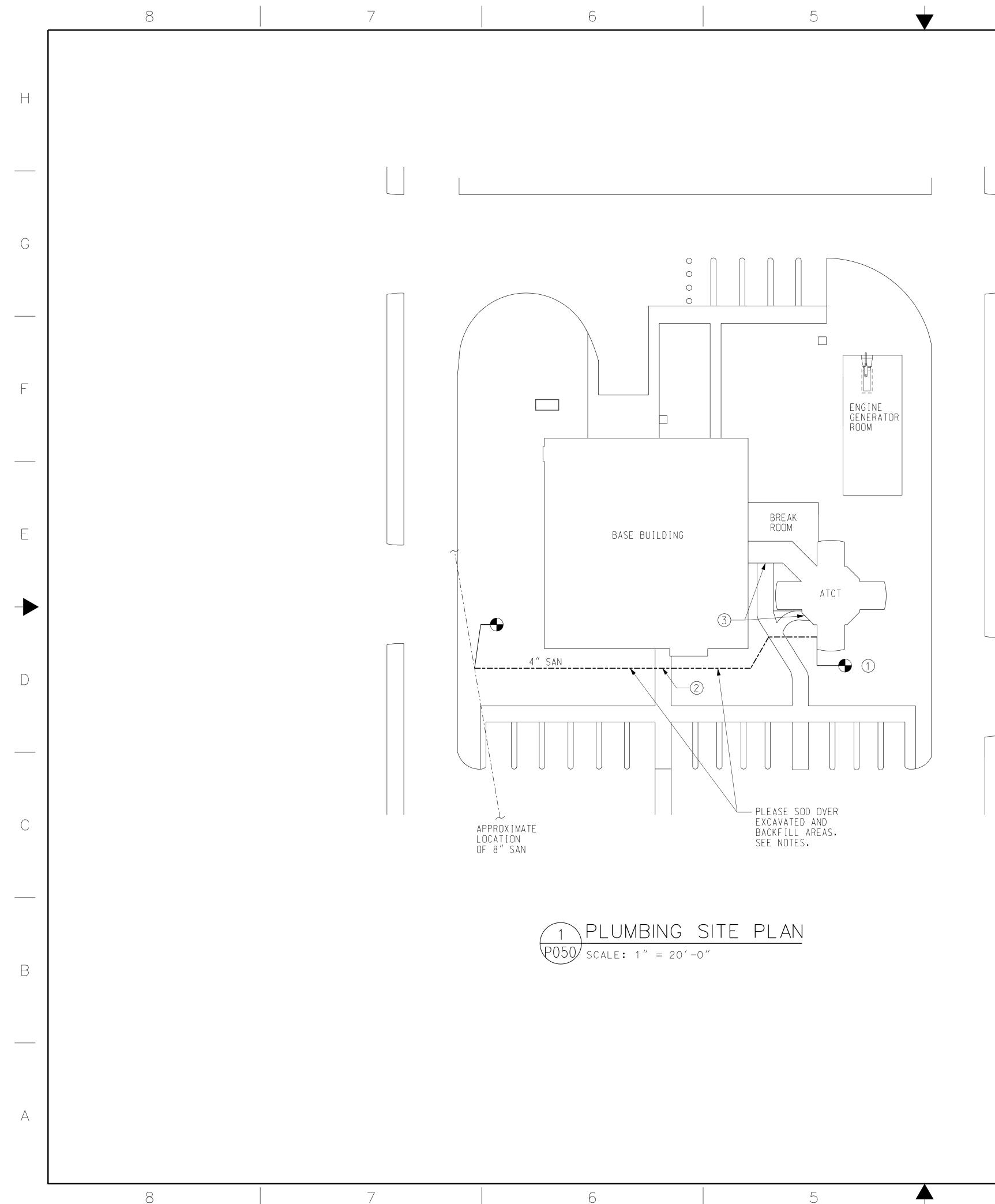
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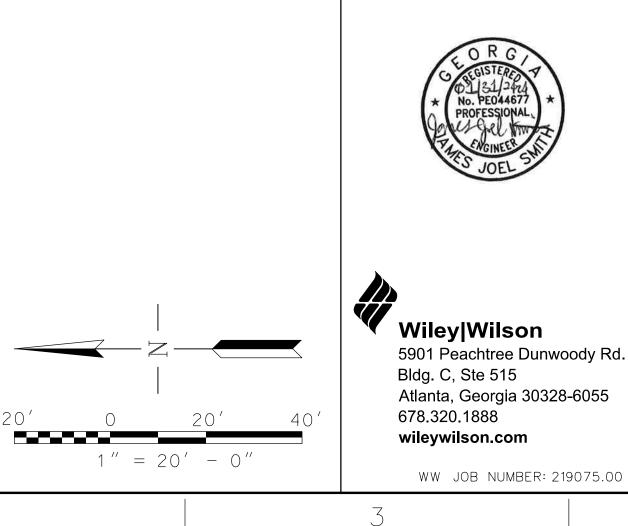


dy Rd.	REVIEWED BY SUBMITTED BY APPROVED BY	
	FT LAUDERDALE (INTERNATIONAL)	F
	SYMBOLS AND GENERAL NOTES	
	PLUMBING	
	MAJOR IMPROVEMENTS	
	FORT LAUDERDALE AIRPORT TRAFFIC CONTROL TOWER	
	FEDERAL AVIATION ADMINISTRATION	

SUBMITTER'S TITLE - CIVIL ENGINEER APPROVER'S TITLE - MANAGER K ISSUED BY DATE JAN 31, 2020 JCN 1508912 DESIGNED CRK DRAWN CRK ENGINEERING CENTER FLL-D-TRACO-P000 CHECKED WW JOB NUMBER: 219075.00 JJS 2

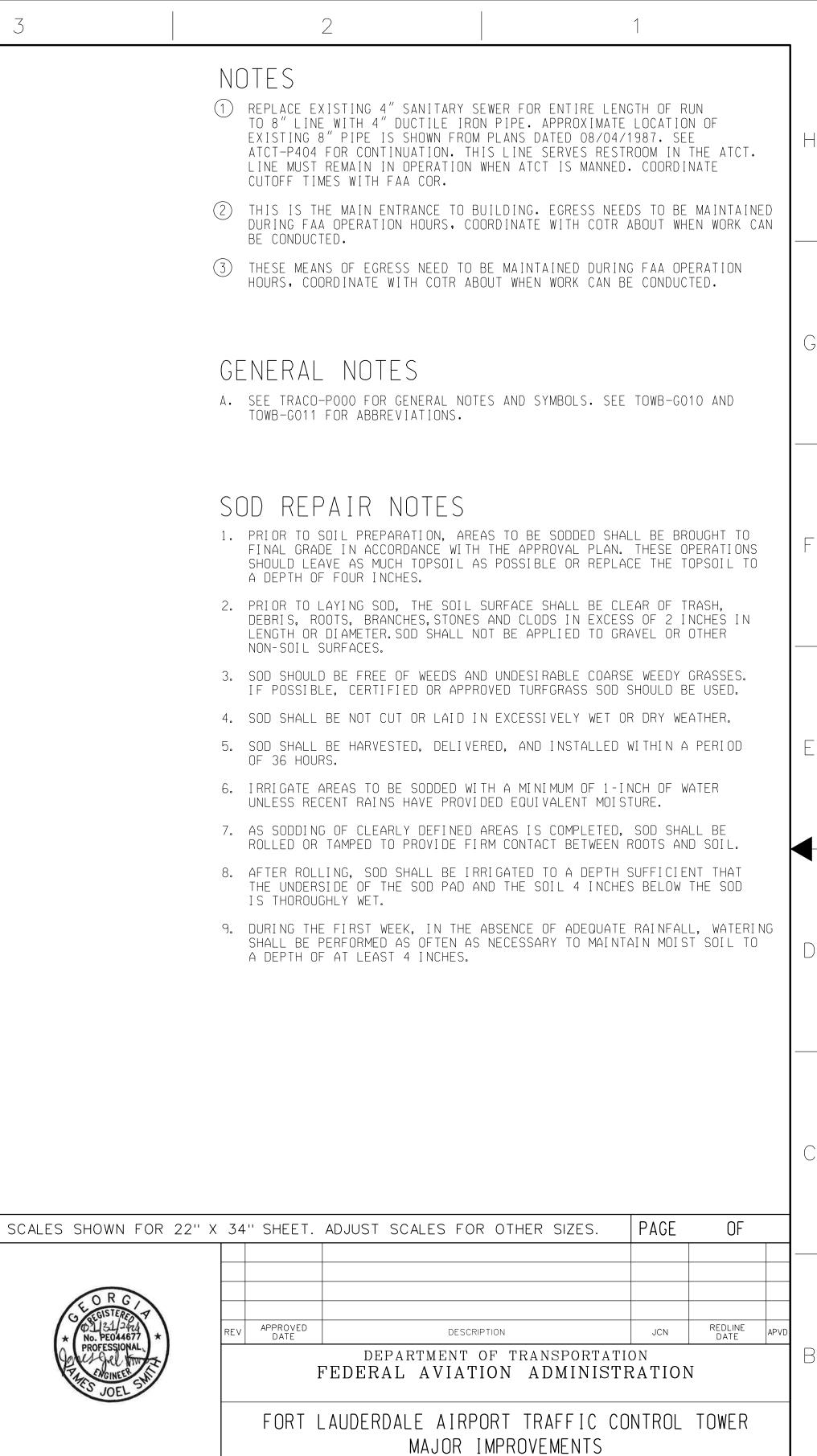


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PLUMBING SITE PLAN

FT LAUDERDALE (INTERNATIONAL) APPROVED BY 5901 Peachtree Dunwoody Rd. REVIEWED BY SUBMITTED BY ATLANTA TERMINAL ENGINEERING CENTER SUBMITTER'S TITLE - CIVIL ENGINEER APPROVER'S TITLE - MANAGER DESIGNED JJS DRAWN

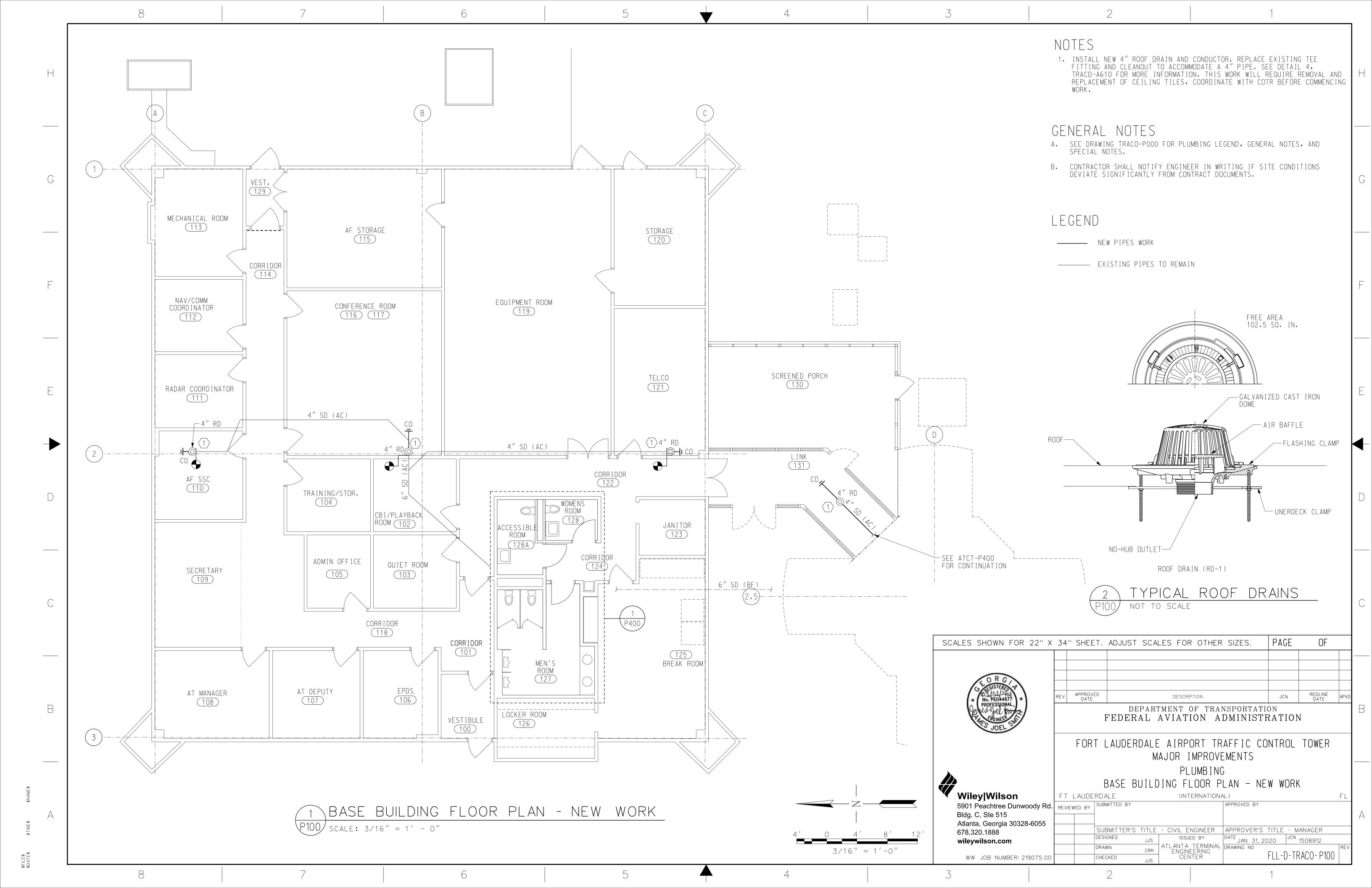
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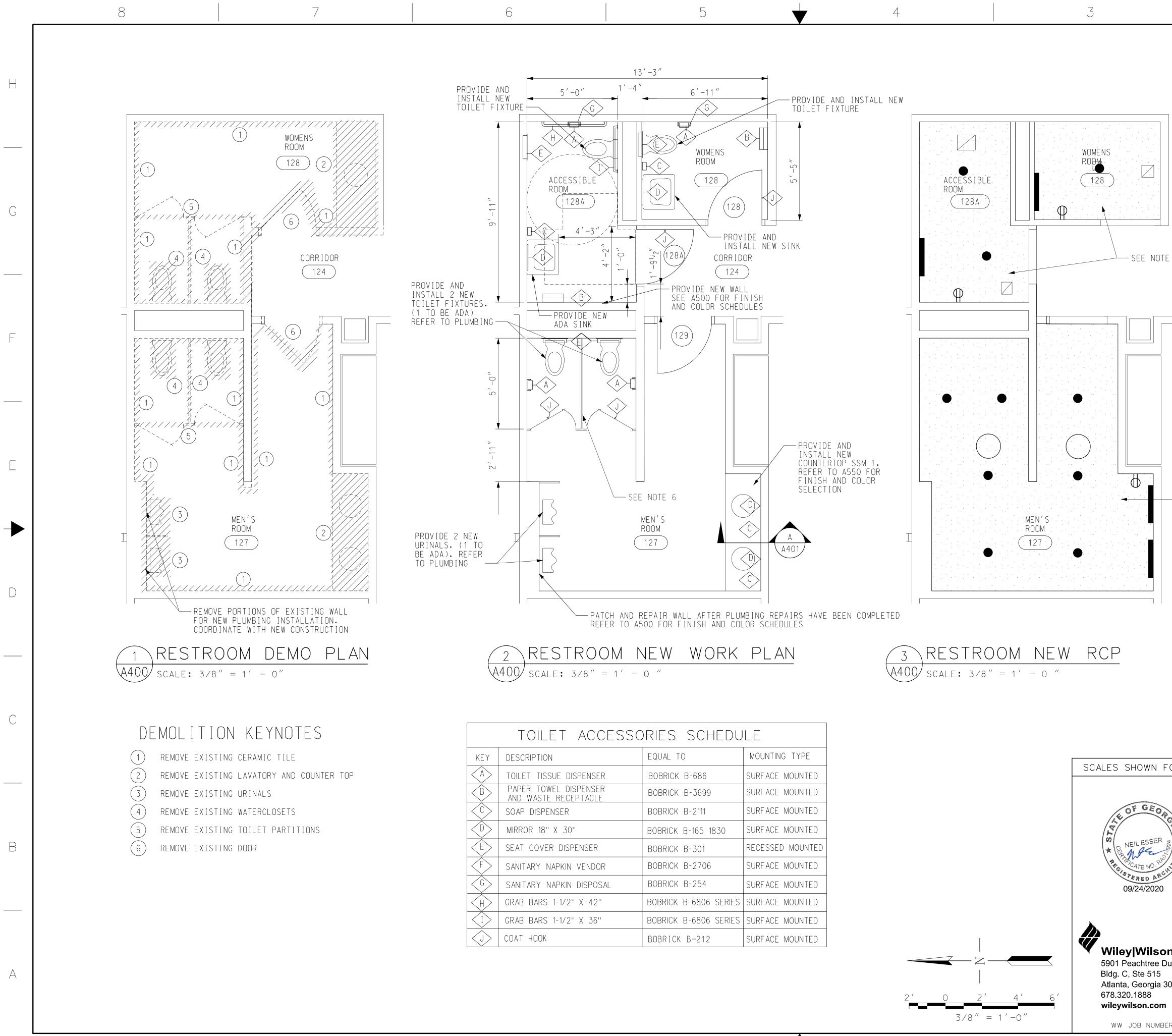
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FLL-D-TRACO-P050











T ACCESSC	RIES SCHEDU	LE
	EQUAL TO	MOUNTING TYPE
JE DISPENSER	BOBRICK B-686	SURFACE MOUNTED
L DISPENSER RECEPTACLE	BOBRICK B-3699	SURFACE MOUNTED
SER	BOBRICK B-2111	SURFACE MOUNTED
K 30''	BOBRICK B-165 1830	SURFACE MOUNTED
DISPENSER	BOBRICK B-301	RECESSED MOUNTED
PKIN VENDOR	BOBRICK B-2706	SURFACE MOUNTED
PKIN DISPOSAL	BOBRICK B-254	SURFACE MOUNTED
-1/2" X 42"	BOBRICK B-6806 SERIES	SURFACE MOUNTED
-1/2" X 36"	BOBRICK B-6806 SERIES	SURFACE MOUNTED
	BOBRICK B-212	SURFACE MOUNTED

		2 1	
	NO	TES	
	1.	PROVIDE NEW BATHROOM FIXTURES. REFER TO PLUMBING DRAWINGS.	
	2.	PROVIDE NEW ACCESSORIES, REFER TO TOILET ACCESSORIES SCHEDULE.	
_	3.	PROVIDE NEW FLOOR AND WALL CERAMIC TILE. REFER TO FINISH SCHEDULE.	
	4.	PROVIDE NEW DOORS, REFER TO DOOR SCHEDULE.	
	5.	PROVIDE NEW GYPSUM BOARD CEILING AND CEILING FIXTURES IN ROOMS 128 AND 128A.	
	6.	PROVIDE NEW TOILET PARTITIONS. REFER TO A500 FOR MORE INFORMATION.	
	7.	EXISTING CEILING TO REMAIN, EXISTING LIGHT FIXTURES TO BE REMOVED. PATCH AND PAINT CEILING, INSTALL NEW LIGHT FIXTURES, REFER TO ELECTRICAL.	G
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SEE NOTE 7)

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FOR 22" X	34	.'' Shee	T. ADJUST	SCA	LES FOF	OTHER	SIZES.	PAGE	OF		
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				ROOM	DEMOL		AND NEV	W WORK			
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Dunwoody Rd.	REV	IEWED BY									А
30328-6055											
n			SUBMITTER'S DESIGNED DRAWN	GMR	ISSU ATLANTA	еd by TERMINAL	APPROVER'S Date JAN 31, Drawing no		1508912	REV	
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	POWER				
H	MOUNTING <u>Symbol</u> <u>height</u> , a	FF <u>DESCRIPTION</u>			
	$\bigoplus_{n=1}^{\infty} +18^{n}$		RECEPTACLE, 20A, 125V, WA		
		DUPLEX HEAVY DUTY F	ITY RECEPTACLE, 20A, 125V Receptacle, 20A, 125V, Wa		
		'WP' DESIGNATES WEA	THER PROOFING. Receptacle, GFI, 20A, 125	V. WALL MOUNTED	
_			THER PROOFING. PROVIDE WI		
G		DUPLEX HEAVY DUTY I	RECEPTACLE, 20A, 125V, FL	OOR MOUNTED	
	+18" S +48"	SPECIAL PURPOSE OU SPST, HEAVY DUTY T	ILET NEMA RATING INDICATE	D	
	S +48 "	SUBSCRIPT INDICATES			
		3 = 3 - WAY $4 = 4 - WAY$	CU		
		D = DIMMER SWIT k = KEY OPERATE m = MANUAL MOTO		VERLOADS	
F		OS = OCCUPANCY S	NUAL MOTOR STARTER ENSOR: LEVITON OSSMT-MD (
	OS	GFI = PROVIDE WIT	H GROUND FAULT PROTECTION	N	
	<u>PULL BOXES</u> symbol	<u>JUNCTION</u>	<u>Buxes</u>		
	Ū	JUNCTION BOX,			
E	MOTORS				
		NTING HT, AFF UON	DESCRIPTION		
_	\boxtimes		NETIC MOTOR STARTER, NEM	MA SIZE AS INDICATED	
			BINATION MOTOR STARTER, JSED DISCONNECT SWITCH,		
	60/40/3	FRAI	ME SIZE/NUMBER OF POLES		
\square			ME SIZE/FUSE SIZE/NUMBER		JILWA
	MISCELLANE	OUS			
	<u>symbol</u> <u>De</u>	ESCRIPTION			
	T TF	RANSFORMER			
С					
	PANELBOARD mountin	<u>s and cabine</u> g	<u>TS</u>		
	<u>symbol</u> <u>height</u> ,	AFF <u>DESCRIPTION</u>			
	_ +78″ (T		VIRE PANELBOARD, SURFACE 3/120V, ESSENTIAL OR CRIT	ICAL	
В					
	<u>single-lin</u>	<u>e diagram</u>			
	<u>symbol</u> <u>desc</u>	RIPTION			
		ISFORMER			
	—— MOLE	DED CASE CIRCUIT BR	EAKER		
A	GROL	IND			
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RACEWAYS					MINAIR PPROVED EQUAL		JRE DA		DULEE	
		TYPE	FIXTURE DESCRIPTION	MANUFACTURER		MOUNTING				R E M A R K S
SYMBOL	<u>DESCRIPTION</u> Conduit, concealed in Walls, ceiling or exposed	Α	LED DOWNLIGHT, 6" ROUND APERTURE	GREEN CREATIVE	SELECTFIT SERIES: SLFT6-80CCTS-DIM120V- LOW	CEILING	120	8	- LED DRIVER	CONNECT TO EXISTING CIRCUIT. PROVIDE INTEGRAL EMERGENCY INVERTER FOR FIXTURES INDICATED WITH "E"
	UNDERGROUND/SLAB CONDUIT	В	LED VANITY WALL SCONCE	KUZCO LIGHTING	CHARLOTTE SERIES: 601464CH-LED	WALL	120	29.5	- LED - DRIVER	CONNECT TO EXISTING CIRCUIT. MOUNT AT 7'-0" AFF TO TOP OF WALL SCONCE
	CONDUIT TURNING UP	SA	LED AREA LUMINAIRE	LITHONIA LIGHTING	D-SERIES: DSX1 LED-P1- 40K-T4M-MVOLT-SPA	POLE	120	54	- LED DRIVER	PROVIDE NEW CIRCUIT, CONNECT TO EXISTING CONTROLS. MOUNT TO NEW 25 TALL SQUARE POLE
	CONDUIT TURNING DOWN CONDUIT CAPPED	SB	LED AREA LUMINAIRE	LITHONIA LIGHTING	D-SERIES: DSX1 LED-P1- 40K-T5W-MVOLT-SPA	POLE	120	108	- LED DRIVER	PROVIDE NEW CIRCUIT, CONNECT TO EXISTING CONTROLS. MOUNT TO NEW 25 TALL SQUARE POLE, 2 FIXTURES @ 90deg.
JR M	FLEXIBLE CONDUIT	SF	LED FLOOD LIGHT FIXTURE	OPTEC LIGHTING	FLOODLIGHT SERIES: OLFLM-070-UNVL-40- 7X6-TA-BL-WG	TENON	120	70	- LED DRIVER	CONNECT TO EXISTING CIRCUIT. REPLACE FIXTURES MOUNTED TO EXISTING TENON
	LT = LIQUID TIGHT	SW	LED WALL PACK	LITHONIA LIGHTING	D-SERIES: DSXW1 LED- 10C-530-40K-T4M- MVOLT	WALL	120	19	- LED DRIVER	CONNECT TO EXISTING CIRCUIT & CONTROLS. SURFACE MOUNT TO LOCATION INDICATED IN DRAWINGS
	CABLE TRAY ESSENTIAL WIREWAY (4″ SQUARE DUCT)	XA	WHITE LED EXIT SIGN	LITHONIA LIGHTING	LIGHT STYLE SERIES: LQM-S-W-R-120/277-ELN- SD	WALL / CEILING	120	-	- LED DRIVER	CONNECT TO EXISTING CIRCUIT. SURFACE MOUNT TO LOCATION INDICATED IN DRAWINGS
<u>\</u>	CRITICAL WIREWAY (4" SQUARE DUCT)	ХВ	LED EMERGENCY LIGHT	LITHONIA LIGHTING	QUANTUM SERIES: ELM4L-UVOLT-LTP	WALL	120	6.6	- LED DRIVER	CONNECT TO EXISTING CIRCUIT. SURFACE MOUNT TO LOCATION INDICATED IN DRAWINGS
 O CM*	DUCTBANK Communication manhole	ХС	BLACK LED EXIT SIGN	LITHONIA LIGHTING	LIGHT STYLE SERIES: LQM-S-R-120/277-ELN- SD	WALL / CEILING	120	-	- LED DRIVER	CONNECT TO EXISTING CIRCUIT. SURFACE MOUNT TO LOCATION INDICATED IN DRAWINGS
• EM*	ELECTRICAL (POWER) MANHOLE					1				
	CABLE MARKER									
	GROUND PHASE OR SWITCH LEG CONDUCTORS									

— HOMERUN CALLOUT INDICATING CIRCUIT NUMBERS

— HOMERUN TO PANEL BOARD (#12 UNLESS INDICATED OTHERWISE)

NO TALLIES INDICATE 2 #12 & 1 #12G - 3/4" C, UON EACH CIRCUIT SHALL HAVE SEPARATE, DEDICATED NEUTRAL AND GROUND CONDUCTORS.

<u>GROUNDING AND LIGHTNING PROTECTION</u>

ELT103-17,19,21-

<u>SYMBOL</u>	DESCRIPTION
\bigotimes	GROUND ROD, 10'-0"X3/4" DIA COPPER CLAD STEEL
$\overline{\bigotimes}$	GROUND ACCESS WELL
ø	RAISED FLOOR PEDESTAL GROUND
0	AIR TERMINAL (LIGHTNING PROTECTION)
G	GROUND PLATE SUBSCRIPT INDICATES: M = MULTIPOINT GROUND B = ANTENNA LIGHTNING BULKHEAD PLATE
G	BARE COPPER GROUNDING CONDUCTOR UNDERGRADE/IN SLAB
—— G ——	COPPER GROUNDING CONDUCTOR, EXPOSED
_	

BONDING/SPLICING CONNECTION



Wiley|Wilson 5901 Peachtree Du Bldg. C, Ste 515 Atlanta, Georgia 30 678.320.1888 wileywilson.com

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				L	ELECTRIC EGEND AND S					
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vileywilson.com			DESIGNED	JMC	ISSUED BY	DATE JAN 31, 20)20 JCN	1508912		
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 PROVIDE CONNECTIONS TO ALL MOTORS. TO ALL HVAC AND PLUMBING EQUIPMENT AND TO ALL OTHER EQUIPMENT PROVIDED UNDER OTHER DIVISIONS OF WORK FROM DISCONNECT SWITCH. STARTER. J-BOX. ETC. UNLESS OTHERWISE NOTED. ALL CIRCUITS SHALL INCLUDE A GREEN EQUIPMENT GROUNDING CONDUCTOR. ALL HARDWARE. INCLUDING CLAMPS. BOLTS. NUTS. WASHERS. STRUTS. ANCHOR BOLTS. ANGLES. ETC. USED TO SUPPORT OR INSTALL ANY EXTERIOR (AND NON-CONDITIONED LOCATIONS) HANDRAIL. EQUIPMENT, PIPE. CONDUIT. BOX OR OTHER DEVICE SHALL BE STAINLESS STEEL ANSI 316. SEE MECHANICAL DRAWINGS FOR EQUIPMENT SCHEDULES AND DETAILS. PROVIDE PULLBOX IN ALL CONDUIT CIRCUITS THAT EXCEED FOUR NINETY DEGREE TURNS. COORDINATE LOCATION OF PULLBOXES WITH CONDUIT. LIGHTS. DUCTWORK, PIPING, ETC. FOR TOWER CONDUIT RISERS- EXPOSED/SURFACE MOUNDED CONDUIT IS ACCEPTABLE IN THE TOWER WITH THE EXCEPTION OF AREAS WITH SUBDIPED COLLINGS. CONDUIT IN AREAS OF SUSPENDED CELLINGS SHALL BE RUN ABOVE THE CENTION CONDUIT IN AREAS OF SUSPENDED CELLINGS SHALL BE RUN ABOVE THE CENTIONS SHALL BE NATLY CORE DRILLED. CIRCUITS FROM EACH OVERCURRENT DEVICE SHALL HAVE A DEDICATED IN WALLS. FOR TOWER CONDUIT RISERS- REQUIRED PENETRATIONS SHALL BE NEATLY CORE DRILLED WITH GALVANIZED STEEL SLEEVES INSTALLED. CIRCUITS FROM EACH OVERCURRENT DEVICE SHALL HAVE A DEDICATED NEUTRAL AND GROUND CONDUCTOR; NO CIRCUITS WITH SHARED NEUTRALS SHALL BE ALLOWED. ALL ELECTRICAL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE 2017. NFPA 780. FAA-STD-1217H, AND FAA SPEC 1217G. NEW AND REPLACEMENT CIRCUIT BREAKERS INSTALLED IN PANELBOARDS SHALL MATCH EXISTING BREAKERS OF SIMILAR FRAME SIZE, INCLUDING VOLTAGE RATING AND INTERRUPTING CAPACITY. POWER CIRCUITS FOR HVAC EQUIPMENT ARE SHOWN ON ELECTRICAL DRAWINGS. MINIMUM CONDUIT SIZE SHALL BE 3/4", MINIMUM POWER CONDUCTOR SIZE SHALL BE #12 		GF	NERAL NOTF	S			
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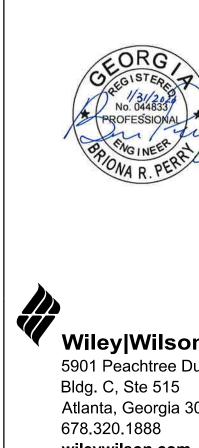
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1. THE COMPLETED GROUNDING AND LIGHTNING PROTECTION SYSTEM SHALL MEET THE "INSTALLATION REQUIREMENTS FOR LIGHTNING PROTECTION SYSTEMS, UL96A-MOST CURRENT EDITION". COMPLY WITH FAA-STD-1217H AND FAA-STD-019F.

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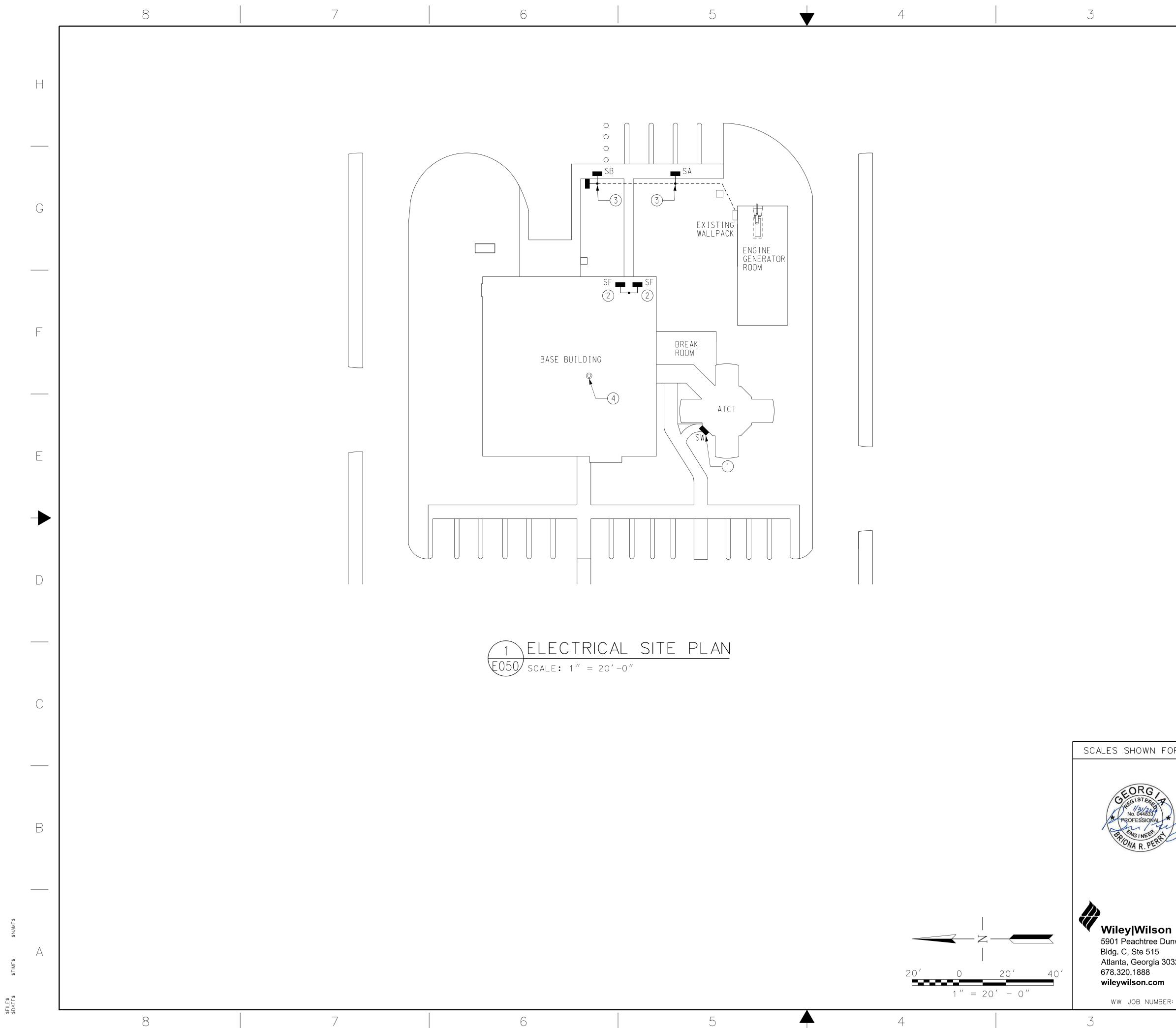
- 2. THE LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL COMPLY WITH NFPA 780 CLASS-II SYSTEM INSTALLATION REQUIREMENTS.
- 3. ALL METALLIC DEVICES WITHIN 6' OF ROOF COUNTERPOISE OR DOWN CONDUCTORS SHALL BE BONDED TO LIGHTNING PROTECTION SYSTEM.



SCALES SHOWN

wileywilson.com

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GENERAL NOTES

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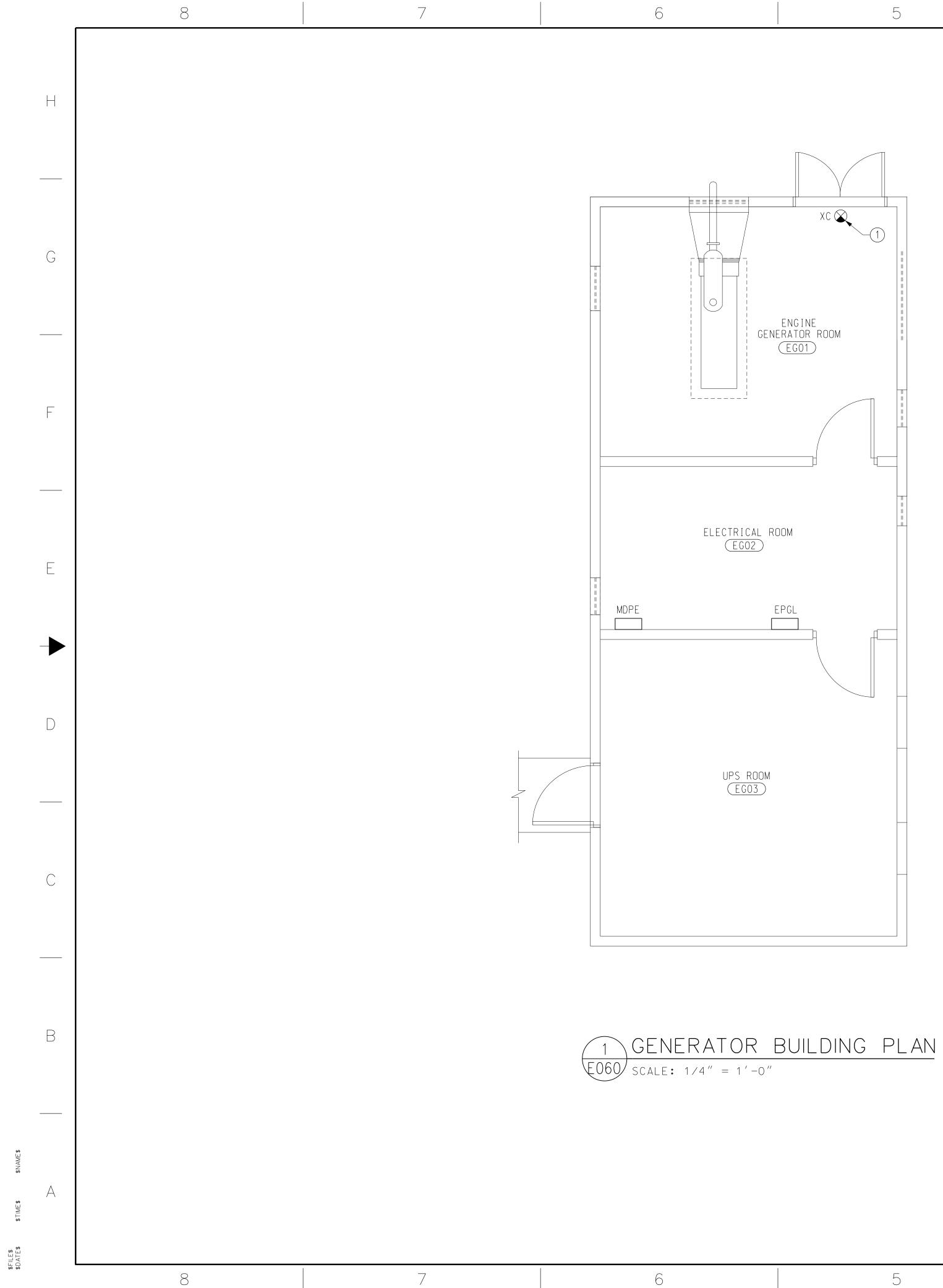
- A. NEW WORK IS SHOWN AS HEAVY LINE ON PLANS AND EXISTING WORK SHOWN IS LIGHT SOLID LINE.
- B. SEE DRAWING TRACO-E000 AND TRACO-E001 FOR ELECTRICAL LEGEND, GENERAL NOTES AND SPECIAL NOTES.

KEY NOTES

- (1) EXISTING SECURITY LIGHT TO BE REPLACED. CONNECT NEW FIXTURE TO EXISTING CIRCUIT AND TIMER, SERVED BY PANEL NLPA-1.
- 2 REPLACE EXISTING LIGHT FIXTURE WITH NEW LED FLOOD LIGHT FIXTURE HEAD, CONNECT TO EXISTING CIRCUIT FED FROM PANEL NLPA-1 AND TIME CLOCK CONTROLS.
- NEW 25FT LED LIGHT POLE FIXTURE. CONNECT FIXTURE TO EXISTING SITE LIGHTING CIRCUIT AND PHOTOCELL/TIME CLOCK USING 2#12, #12G IN 3/4"C. EXISTING CIRCUIT IS SERVED BY PANEL EPGL LOCATED IN ELECTRICAL ROOM EGO2. SEE DETAIL 5, TRACO-E601 FOR POLE BASE INFORMATION.
- 4 NEW EXHAUST FAN EF-2. CONNECT TO EXISTING CIRCUIT AND CONDUIT Served from panel npa. Extend wire and conduit as required for NEW CONNECTION.

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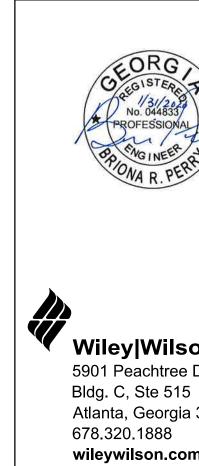
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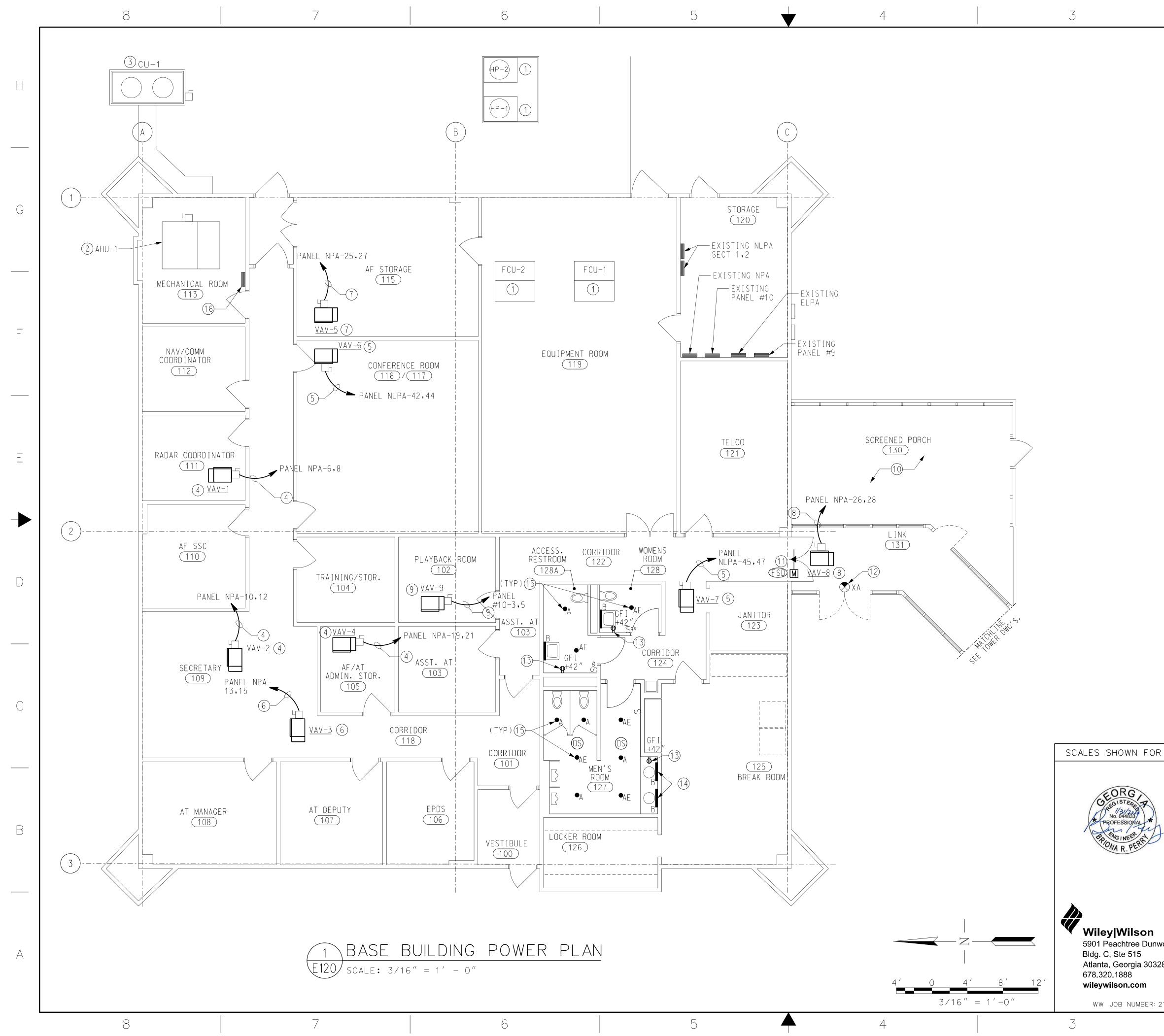
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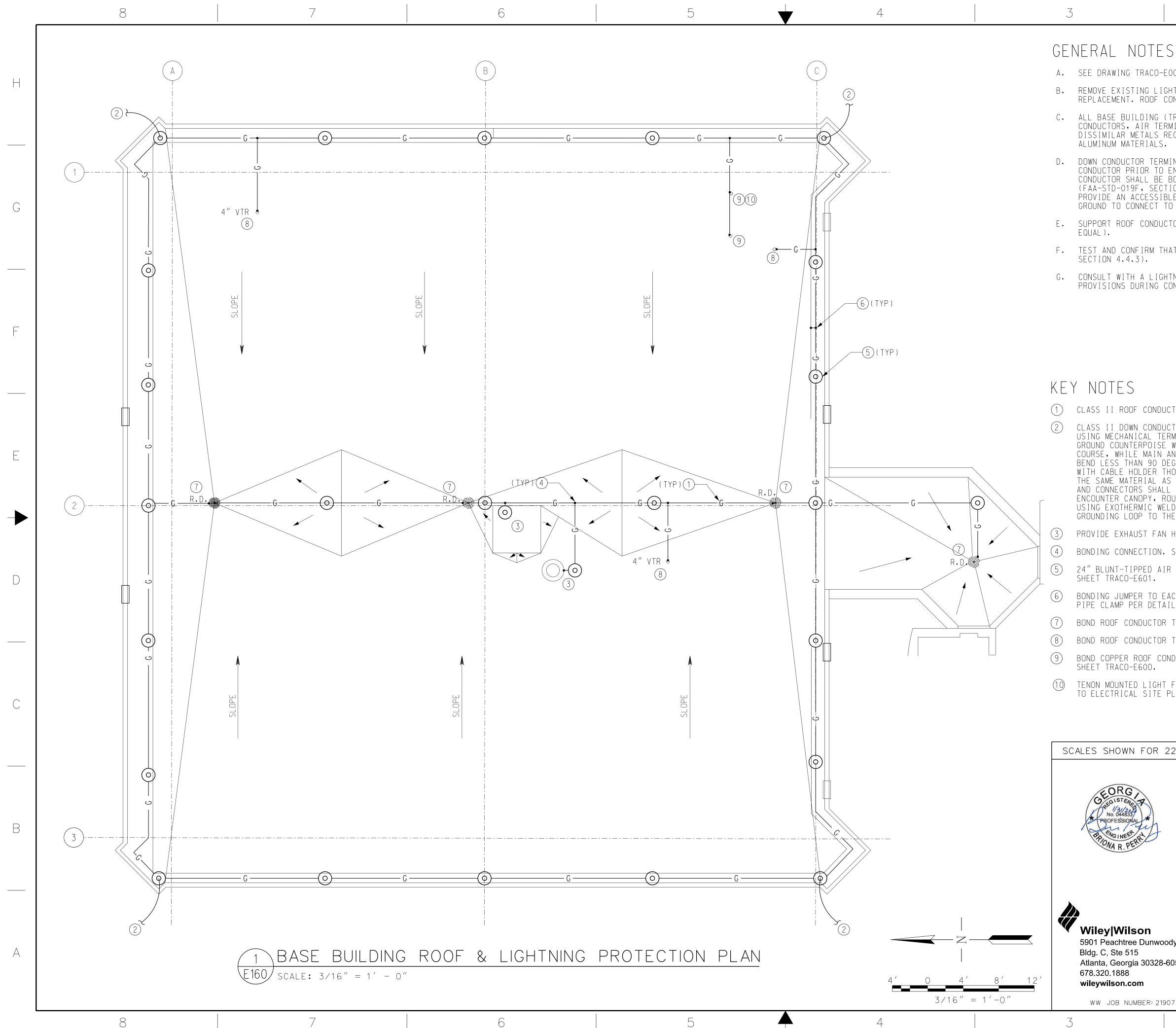
GENERATOR BUILDING PLAN

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 (2) EXISTING MECHANICAL 				
PROVIDED BY MECHANI IN PANEL NPA, USE E	UNIT CU-1. UNIT. FACTORY INSTALLED CAL CONTRACTOR. PROVIDE XISTING BREAKER IF APPL TO PANEL WITH NEW 3-#1	20A, 2-POLE ICABLE. REPLA	BREAKER CE	
PROVIDED BY MECHANI IN PANEL NLPA SECT	UNIT. FACTORY INSTALLED CAL CONTRACTOR. PROVIDE 2, USE EXISTING BREAKER NG BACK TO PANEL WITH	20A, 2-POLE If applicabl	BREAKER E•	
PROVIDED BY MECHANI	UNIT. FACTORY INSTALLED CAL CONTRACTOR. USE EXI A. REPLACE CIRCUIT WIRI N EXISTING 3/4"C.	STING 40A 2-F	SCONNECT Pole Nel with	G
PROVIDED BY MECHANI WITH 30A, 2-POLE BR	UNIT. FACTORY INSTALLED CAL CONTRACTOR. REPLACE REAKER. REPLACE CIRCUIT #10G IN EXISTING 3/4"C.	BREAKER IN P	ANEL NPA	
PROVIDED BY MECHANI WITH 60A, 2-POLE BR	UNIT. FACTORY INSTALLED CAL CONTRACTOR. REPLACE REAKER. CONTRACTOR SHALL BACK TO PANEL WITH NEW	BREAKER IN F Replace circ	ANEL NPA	
PROVIDED BY MECHANI	UNIT. FACTORY INSTALLED CAL CONTRACTOR. PROVIDE ACTOR SHALL PROVIDE NEW	20A, 2-POLE	BREAKER	F
	CEILING FANS AND LIGHT TECTURAL REMODELLING.	FIXTURES FOLL	OWING	
<pre>(1) EXISTING FIRE SMOKE AND RECONNECT TO EX CIRCUIT #16. REFER</pre>	E DAMPERS 1 & 2 TO BE RE SISTING CIRCUIT BEING FE TO MECHANICAL DETAILS F LOCATIONS WITH MECHANIC	D FROM PANEL OR MORE INFOR	#9,	
	T SIGN WITH 90-MINUTE B STING EMERGENCY CIRCUIT			
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(14) NEW LED VANITY FIXT	URE CONNECT TO EXISTING	LIGHTING CIR	CUIT FED	
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A. SEE DRAWING TRACO-E000 AND TRACO-E001 FOR ELECTRICAL LEGEND, GENERAL NOTES AND SPECIAL NOTES. B. REMOVE EXISTING LIGHTNING PROTECTION ROOF CONDUCTOR AND ACCESORIES TO FACILITATE ROOF

REPLACEMENT. ROOF CONDUCTORS AND BONDS TO BE REPLACED.

C. ALL BASE BUILDING (TRACON) LIGHTNING PROTECTION SYSTEM CONDUCTOR SHALL BE CLASS II MATERIAL. CONDUCTORS, AIR TERMINALS AND ALL OTHER ACCESSORIES SHALL BE MADE OF COPPER, EXCEPT WHERE DISSIMILAR METALS REQUIRE ALUMINUM. USE BI-METALLIC CONNECTORS AS NEEDED TO CONNECT COPPER AND

D. DOWN CONDUCTOR TERMINATIONS TO THE EES SHALL BE EXOTHERMICALLY WELDED TO A 4/O AWG COPPER CONDUCTOR PRIOR TO ENTERING THE GROUND AT NOT LESS THAN 18" ABOVE GRADE. THE 4/O AWG COPPER CONDUCTOR SHALL BE BONDED DIRECTLY TO A GROUND ROD OR ELECTRODE CONDUCTOR IN THE EES (FAA-STD-019F, SECTION 4.3.5.1). DOWN CONDUCTOR CONDUIT SHALL END JUST ABOVE WELDING POINT. PROVIDE AN ACCESSIBLE JUNCTION BOX TO PROTECT WELD.BELOW WELD, BARE CONDUCTOR SHALL RUN INTO THE GROUND TO CONNECT TO COUNTERPOISE.

E. SUPPORT ROOF CONDUCTOR AT A MIN OF EVERY 3' UTILIZING AN ADHESIVE CABLE CLAMP THOMPSON 186X (OR

F. TEST AND CONFIRM THAT EXISTING EES RESISTANCE TO GROUND IS LESS THAN 10 OHMS (FAA-STD-019F,

G. CONSULT WITH A LIGHTNING PROTECTION PROFESSIONAL TO PROVIDE TEMPORARY LIGHTNING PROTECTION PROVISIONS DURING CONSTRUCTION.

(1) CLASS II ROOF CONDUCTOR. THOMPSON 506T OR APPROVED EQUAL.

CLASS II DOWN CONDUCTOR, THOMPSON 506T OR APPROVED EQUAL, BOND DOWN CONDUCTOR TO ROOF CONDUCTOR USING MECHANICAL TERMINATIONS PER DETAIL 1, SHEET TRACO-E601. DOWN CONDUCTORS SHALL EXTEND TO GROUND COUNTERPOISE WITHIN PVC CONDUIT, DOWN CONDUCTORS SHALL FOLLOW THE MOST DIRECT DOWNWARD COURSE, WHILE MAIN AND BONDING CONDUCTORS MUST MAINTAIN A DOWNWARD OR HORIZONTAL COURSE WITH NO BEND LESS THAN 90 DEGREES OR BEND RADIUS LESS THAN 8". ROOF AND DOWN CONDUCTORS SHALL BE FASTENED WITH CABLE HOLDER THOMPSON 186X OR APPROVED EQUAL, AT INTERVALS NOT MORE THAN 3'-O" AND SHALL BE THE SAME MATERIAL AS THE CONDUCTOR. BONDING DEVICES, CONDUCTOR SPLICES, CONDUCTOR ATTACHMENTS, AND CONNECTORS SHALL BE SUITABLE FOR USE WITH THE INSTALLED CONDUCTOR. WHERE DOWN CONDUCTOR ENCOUNTER CANOPY, ROUTE DOWN CONDUCTOR THROUGH 1" PVC SLEEVE. BOND CANOPY TO DOWN CONDUCTORS USING EXOTHERMIC WELD. BOND ALL METALLIC OBJECTS WITHIN 6' OF DOWN CONDUCTORS TO DOWN OR ROOF GROUNDING LOOP TO THE LIGHTINING PROTECTION SYSTEM WITH EXOTHERMIC WELD.

(3) PROVIDE EXHAUST FAN HOOD EQUIPMENT BOND AND AIR TERMINAL PER DETAIL 3, SHEET TRACO-E600.

BONDING CONNECTION. SEE BONDING AND SPLICING DETAIL 1, SHEET TRACO-E601.

5 24" BLUNT-TIPPED AIR TERMINAL, FREE STANDING TERMINAL SHALL BE MOUNTED TO SUPPORTS PER DETAIL 3,

BONDING JUMPER TO EACH RAILING SECTION. INSTALL AIR TERMINAL TO EACH HANDRAIL WITH TINNED BRONZE PIPE CLAMP PER DETAIL 4/E601.

(7) BOND ROOF CONDUCTOR TO ALL ROOF DRAINS PER DETAIL 1, SHEET TRACO-E600.

(8) BOND ROOF CONDUCTOR TO ALL MECH/PLUMBING VENTS PER DETAIL 2, SHEET TRACO-E600.

BOND COPPER ROOF CONDUCTOR TO EXISTING ANTENNA MOUNT USING CONDUIT GROUND CLAMP PER DETAIL 5,

(10) TENON MOUNTED LIGHT FIXTURES TO BE REPLACED. COORDINATE BONDING WITH FIXTURE INSTALLATION. REFER TO ELECTRICAL SITE PLANS FOR MORE INFORMATION.

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							М	AJOR I	MPROVE	EMENTS				
									CTRICA					
				BASE	ΒU	ILDIN	IG RI	JOF &	LIGHIN	NING PRO	IFCIIO	n plan		
on			FΤ	LAUDE	RDAL	E		(IN T	ERNATION	AL)			FL	
Dunwo	ody R	d.	REVIE	WED BY	SUBMIT	TTED BY				APPROVED BY				
	-													А
30328-	6055							- CIVIL E		APPROVER'S				
					DESIGN				ED BY					
n		-			DRAWN		JMC		TERMINAL	DRAWING NO)20	1508912	REV	
BER: 219	075.0	0			CHECK	ED	JMC MRK		EERING ITER		FLL-D-TF	RACO-E160		
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				PAN	IEL S	SCHE	EDUL	E (E)	KISTI	NG)			
	DESIGNATION:	NPA									MAIN		CHARACTERISTICS A MCB 3 PHASE
	FED FROM:										PERAGE	225	AMPS 4 WIRE + GF
	LOCATION:	STORAGE R	M 120							V		: 120/208 : EXIST.	VOLTS 100% NEUTRAL MOUNTING: SURFAC
	Branch Circuit		kVA Loads		Trip /	Ckt.	Phase	Ckt.	Trip /		kVA Loads		Branch Circuit
	Load Description	A	В		Poles 20/1	No. 1	A	No. 2	Poles 20/2	A	В	С	Load Description
	SPARE				20/1	3	В	4					
	WATER HEATER (EWH-1)				40/2	5 7	C A	6 8	20/2	1.25		1.25	VAV-1
	UH-4				20/2	9 11	B	10 12	20/2		1.00	1.00	VAV-2
(2)	VAV-3	3.00			40/2	13	А	14	20/2			1.00	UH-1
	SPACE		3.00			15 17	B C	16 18	20/2				UH-2
(1)	VAV-4	1.00			20/2	19	А	20					
	SPRINKLER CONTROL		1.00		20/1	21 23	B C	22 24	20/2				UH-3
(1)	VAV-5	2.00			30/2	25	A	26	60/3	4.50	4.50		VAV-8
	SPARE		2.00		20/1	27 29	B C	28 30			4.50		
	SPD				30/3	31 33	A B	32 34	20/3				BOOSTER PUMPS BP-1 & BI
						35	C	36					
	SPRINKLER PUMP				20/3	37 39	A B	38 40	30/3				SUMP PUMP
						41	C	42					
		6.00	6.00			<< PHA	ASE SUB-TO	TALS >>		5.75	5.50	2.25	7
	LOAD LOAD TYPE Lighting	SUMMARY (KVA) CONNECTED	PHAS	ETOTALS:	Phas		Pha 11		Pha 2.:	se C 25] kVA		
	LOAD TYPE Lighting Receptacles						25.50	.50 kva - to	2.: TAL CONNE	25 CTED LOA	J		PROVIDE THE FOLLOWN
	LOAD TYPE Lighting Receptacles UPS Receptacles Racks						25.50 20.40	.50 kVA - TO kVA - TO	2.: TAL CONNE TAL DEMAN	25 CTED LOA	J		PROVIDE THE FOLLOWN
	LOAD TYPE Lighting Receptacles UPS						25.50 20.40	.50 kva - to	2.: TAL CONNE TAL DEMAN	25 CTED LOA	J		PROVIDE THE FOLLOWN
	LOAD TYPE Lighting Receptacles UPS Receptacles Racks Equipment: Continuous Equipment: Non-Continuous Kitchen	CONNECTED		AND			25.50 20.40	.50 kVA - TO kVA - TO	2.: TAL CONNE TAL DEMAN	25 CTED LOA	J		PROVIDE THE FOLLOWN
	LOAD TYPE Lighting Receptacles UPS Receptacles Racks Equipment: Continuous Equipment: Non-Continuous Kitchen Mechanical: Concurrent Mech: Non-Concurrent			AND			25.50 20.40	.50 kVA - TO kVA - TO	2.: TAL CONNE TAL DEMAN	25 CTED LOA	J		PROVIDE THE FOLLOWN
	LOAD TYPE Lighting Receptacles UPS Receptacles Racks Equipment: Continuous Equipment: Non-Continuous Kitchen Mechanical: Concurrent	25.50		AND			25.50 20.40	.50 kVA - TO kVA - TO	2.: TAL CONNE TAL DEMAN	25 CTED LOA	J		

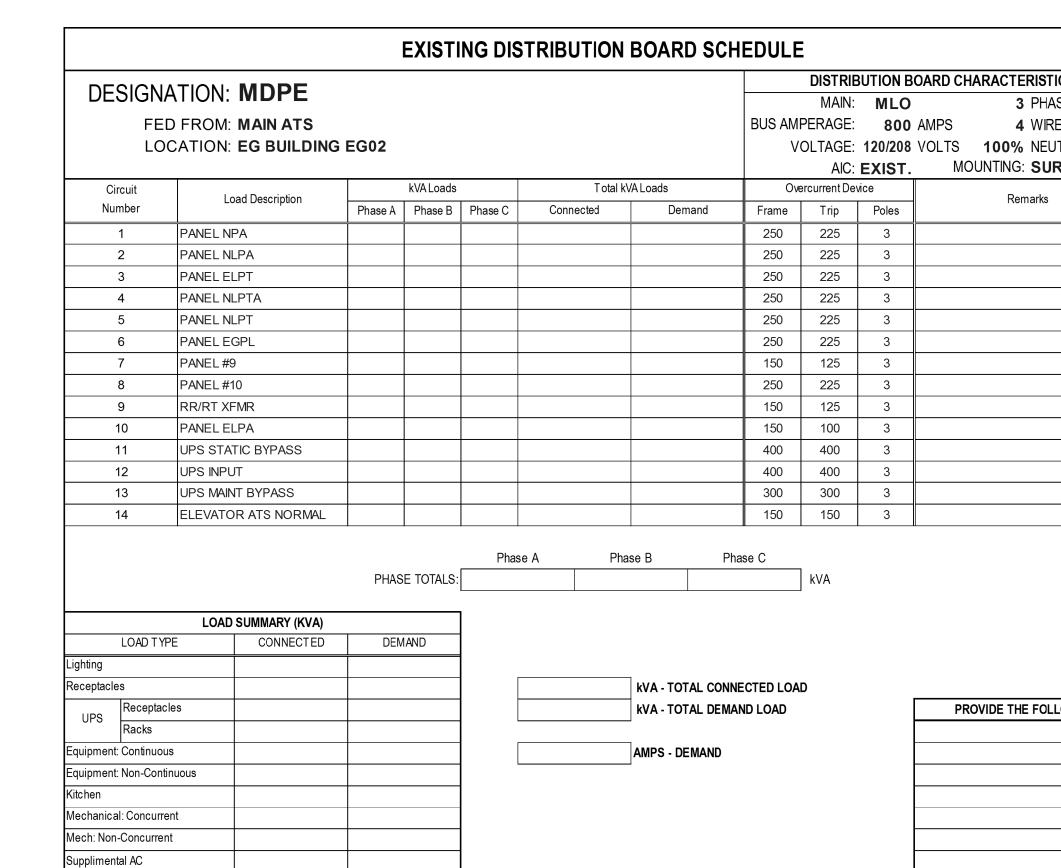
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TOTALS (kVA)

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	GE	NERAL	NOTE	S:			
T ICS ASE	A.	CIRCUIT ASS FOR REFERE EXISTING L CIRCUIT BR PANELS SHA OF NEW CON	NCE ONLY. OADS AND EAKERS AN LL BE FIE	ACTUAL C AVAILABIL D SPACES LD VERIFI	IRCUIT ASS ITY OF ACTU AVAILABLE	IGNMENT OF	
RE + GROUND JTRAL RFACE	В.	VERIFY ALL CIRCUITING DRAWINGS. WIRING BAC BREAKER AS	AS REQUI FOR ANY V K TO PANE	RED TO ME ACATED CI	ET DESIGN RCUITS, REI	INTENT ON MOVE CONDUII	r and
	С.	PROVIDE NE INDICATE A WORK.				ECTORY TO MPLETION OF	
	D.	OR EXISTIN FOLLOWING	G BREAKER DEMOLITIO VOLTAGE	S THAT HA N. PROVID	VE BECOME / E NEW BREAK	CIRCUIT BREA AVAILABLE KERS AS REQL ING MATCHINC	JIRED
	КЕ	Y NOTE					
LOWNG:	(1) (2)		BE REPUR	POSED. RE		NDUIT TO REN R AND CONDUI	

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SCALES SHOWN FOR 22" X	34" SHEE	T. ADJUST	SCAL	ES FOR	OTHER	SIZES.	PAGE	OF		
GEORG										
PROFESSIONAL * PROFESSIONAL * ONA R. PERR	REV APPROVE DATE	DE			OF TRAM	NSPORTATI DMINISTI		REDLINE DATE	APVD	E
	FOR	T LAUDER	MA	AJOR I Ele	DRT TR MPROVE CTRICA SCHED	EMENTS AL	INTROL	TOWER		
Wiley Wilson	FT LAUDE	RDALE			ERNATIONA	L)			FL	
5901 Peachtree Dunwoody Rd. Bldg. C, Ste 515 Atlanta, Georgia 30328-6055	REVIEWED BY	SUBMITTED BY				APPROVED BY				Δ
678.320.1888 wileywilson.com		SUBMITTER'S designed drawn	JMC		d by TERMINAL	APPROVER'S ^{DATE} JAN 31, 20 DRAWING NO	D20 JCN	1508912	REV	
WW JOB NUMBER: 219075.00		CHECKED	MRK	CEN	TER		+_LL-D-1+	RACO-E500)	
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				PA	NEL S	SCH	EDUL	E (E)	(ISTI	NG)			
												PANEL	CHARACTERISTICS
DE	SIGNATION: FED FROM									BUS AN	MAIN: IPERAGE:		3 PHASE 3 AMPS 4 WIRE + GRO
	LOCATION	STORAGE	RM 120									120/208 EXIST	8 VOLTS 100% NEUTRAL MOUNTING: SURFACE
	Branch Circuit		kVA Lo	ads	T rip /	Ckt.	Phase	Ckt.	Trip /		kVA Loads		Branch Circuit
	Load Description	A	В	С	Poles	No.	Flidse	No.	Poles	A	В	C	Load Description
LIGHTING	i				20/1	1	А	2	20/1				RECEPTACLES
RECEPT	ACLES				20/1	3	В	4	20/1				LIGHTS RM 119,120,121
RECEPT	ACLES				20/1	5	С	6	20/1				LIGHTS LINK
SPD					30/3	7	А	8	35/3				FCU-2
						9	В	10					
						11	С	12					
FCU-1					35/3	13	А	14	20/1				BPS
						15	В	16	20/1				FACP
						17	С	18	30/2				FTI
AHU-1					40/3	19	A	20					
						21	В	22	30/2				FTI
						23	С	24					
AHU-1/FC	U-1&2 CONTROL F	ANELS			20/1	25	A	26	20/1				CYPHER LOCKS
SPACE			_	_	20/1	27	В	28	20/2				EF-3
	NTROLBOX				20/1	29	C	30	20,2				
SPACE					20/1	31	A	32					SPACE
SPACE			_	-	-	33	В	34					SPACE
SPACE				_		35	C C	36				-	SPACE
SPACE			_	_		37	-	38					SPACE
			_		-		A						
SPACE					<u> </u>	39	В	40					SPACE
SPACE						41	С	42					SPACE
					1		ASE SUB-T O			1	1	T	7
						~~ F П/	HOE SUB-10	I ALO >>					
					Pha	se A	Pha	se B	Pha	ase C			
			F	HASETOTALS							kVA		
	LOAI) SUMMARY (KVA)			1								
	LOAD TYPE	CONNECTED		DEMAND	1								
Lighting					1								
Receptacle	s				1			kVA - TO	TAL CONN	ECTED LO	AD		
1100	Receptacles				1	<u> </u>		kVA - TO	TAL DEMA	ND LOAD			PROVIDE THE FOLLOWING:
UPS	Racks				1			l					
Equipment	Continuous				1			AMPS - D	EMAND				
	Non-Continuous				1								
Kitchen					1								
	l: Concurrent				1								
	Concurrent				1								
Suppliment					1								
Sabburgu		1			1								

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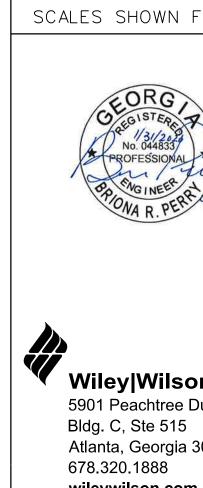
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	SIGNATION:		Δ		SEC ⁻	τιοΝ	2							CHARACTERISTICS
	FED FROM: LOCATION:	NLPA	SECTIO		OLU		-					MAIN: IPERAGE: /OLTAGE: AIC:	225	AMPS 4 WIR VOLTS 100% NEU
	Branch Circuit			kVA Loads		Trip /	Ckt.	Phase	Ckt.	Trip /		kVA Loads		Branch Circu
	Load Description		A	В	С	Poles	No.	Flidse	No.	Poles	A	В	С	Load Descript
RECEP	TACLE					20/1	37	А	38	20/1				RECEPTACLE
SPARE						20/1	39	В	40	20/1				RECEPTACLE
SPARE						20/1	41	С	42	20/2			1.00	VAV-6
RECEP	TACLE					20/1	43	А	44		1.00			
VAV-7				1.25		20/2	45	В	46	20/1				CEILING FAN ROOM 13
					1.25		47	С	48	20/1				CEILING FAN ROOM 12
EWC-2	LOBBY					20/1	49	А	50	20/1				CYPHER LOCKS
SPARE						20/1	51	В	52	20/1				SPARE
SPARE						20/1	53	С	54					SPARE
SPD						30/3	55	А	56					SPARE
							57	В	58					SPARE
							59	С	60					SPARE
SPACE							-	А	-					SPACE
SPACE							-	В	-					SPACE
SPACE							-	С	-					SPACE
SPACE							-	А	-					SPACE
SPACE							-	В	-					SPACE
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SPACE							-	А	-					SPACE
SPACE							-	В	-					SPACE
SPACE							-	С	-					SPACE
												_		_
				1.25	1.25		<< PH,	ASE SUB-T O	TALS >>		1.00		1.00	
						Pha	ise A	Dha	ase B	Ph	ase C			
				PHA	SE T OT ALS:		00		.25		.25	kVA		
												1		
		SUMMAR		-										
	LOAD TYPE	CON	NECTED	DEN	1AND									
Lighting									-					
Receptacle								4.50	kVA - TO	TAL CONN	ECTED LOA	۰D		
UPS	Receptacles Racks							3.60	kVA - TO	TAL DEMA	ND LOAD			PROVIDE THE FOL
Equipmont	: Continuous							0.00						
	: Non-Continuous							9.99	AMPS - D	INIAND				
Equipment Kitchen														
	al: Concurrent		50	-	<u></u>									
	-Concurrent	4	.50	3.	.60									
INCOL. NON	-oonounent	1		1										



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GENERAL NO		
FOR REFERENCE EXISTING LOADS CIRCUIT BREAKE	ENTS TO NEW AND EXISTIN ONLY, ACTUAL CIRCUIT AS AND AVAILABILITY OF AC RS AND SPACES AVAILABLE E FIELD VERIFIED PRIOR CTION,	SSIGNMENT OF CTUAL SPARE E IN EXISTING
CIRCUITING AS D DRAWINGS, FOR	JITS ON EXISTING PANELS REQUIRED TO MEET DESIGN ANY VACATED CIRCUITS, F PANEL, TURN BREAKER OF ARE'.	N INTENT ON REMOVE CONDUIT AND
	PEWRITTEN PANELBOARD D _ CIRCUITS USED, UPON (
OR EXISTING BRI FOLLOWING DEMOI	L REUSE EXISTING SPARE EAKERS THAT HAVE BECOME LITION, PROVIDE NEW BRE TAGE RATING, AND AIC RA	E AVAILABLE Eakers as required
KEY NOTES:		
WIRING TO BE RI	REPURPOSED, REUSE BREAK EPLACED, T BREAKER AND WIRING, (

ES SHOWN FOR 22" X	34	" SHEE	T. ADJUST	SCA	les fof	R OTHER	SIZES.	PAGE	OF		
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		T UN	I LAUDLI					NINUL	IUWLIN		
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					PANEL	SCHED	ULES				
Wiley Wilson	FT	LAUDE	RDALE		(IN T	ERNATION	AL)			FL	
901 Peachtree Dunwoody Rd.	REV	IEWED BY	SUBMITTED BY				APPROVED BY				
Bldg. C, Ste 515											А
Atlanta, Georgia 30328-6055											
78.320.1888			SUBMITTER'S Designed			NGINEER Ed by	APPROVER'S	ICN			
vileywilson.com			DRAWN	JMC		TERMINAL	DATE JAN 31, 20 DRAWING NO)20	1508912	REV	
WW JOB NUMBER: 219075.00			CHECKED	JMC MRK	ENGINI	EERING ITER		FLL-D-TR	ACO- E50		
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Image: Inclusion VALued Trip / CP No. Protect A B C CE_SIST. MOUNT H=-2 A B C Poles No. Poles A 2 301 A 303 A A 303 A A 303 A A 301 A A 301 A A 201 A A 201 A 201 A<		DESIGNATION: FED FROM: LOCATION:		120				EDUL	_ (BUS AM	Main: Perage: Oltage:	MLO 125	AMPS
Load Description A B C Probes No Probes A B C It HP-2 C 703 1 A B 4 201 C SPACE C C S C 6 201 C SPACE HP-1 C C 703 7 A 6 303 C SPACE HP-1 C C 703 7 A 6 303 C SPACE HP-1 C C T C 13 A 44 201 C SPARE C FACP FUEL LEVEL NOICATOR C 201 15 B 16 201 C SPARE SPARE C SPARE	┝	Branch Circuit		kVA Loads		Trip /	Ckt.		Ckt.	Trip /			EXIST.	MOL
Image: space Image: space<			A	В	С	-		Phase		-	Α	В	С	
Image: Here Solution		HP-2				70/3								
HP-1 1	╞								-			-		
UELLEVEL NDICATOR 9 8 10 FACP FUEL LEVEL NDICATOR 20/1 13 A 14 20/1 FACP FUEL LEVEL NDICATOR 20/1 15 B 16 20/1 FACP SPARE 20/1 17 C 18 20/1 SPARE SPARE SPARE 20/1 19 A 20 20/1 0.50 DDC CONT SPARE 20/1 23 C 24 20/1 SPARE	╞	HP_1				70/3								
FUEL LEVEL INDICATOR Image: Constraint of the second	┢	1				10/0				50/5				
FUEL LEVEL INDICATOR Image: Constraint of the second	┢													
SPARE 20/1 17 C 18 20/1 SPARE EXT LIGHTS SPARE 20/1 19 A 20 20/1 EXT LIGHTS FSD-1 20/1 21 8 22 20/1 0.50 DDC CONT SPARE 20/1 23 C 24 20/1 SPARE SPARE SPARE 20/1 25 A 26 20/1 SPARE SPARE SPARE 20/1 27 B 28 20/1 SPARE SPARE SPARE 20/1 29 C 30 20/1 SPARE SPARE SPARE 20/1 29 C 30 20/1 SPARE SPARE SPARE 20/1 29 C 30 20/1 SPACE SPACE SPACE 20/1 33 B 34 SPACE SPACE SPACE 33 B 34 SPACE SPACE SPACE 33 B 40 SPACE SPACE SPACE 33<		FUEL LEVEL INDICATOR				20/1	13	А	14	20/1				FACP
SPARE Image: Spare spar	Γ	FUEL LEVEL INDICATOR				20/1	15	В	16	20/1				FSD-2
FSD-1 20/1 21 B 22 20/1 0.50 DDC CONTI SPARE 20/1 23 C 24 20/1 SPARE SPARE SPARE 20/1 25 A 26 20/1 SPARE SPARE SPARE 20/1 27 B 28 20/1 SPARE SPARE SPARE 20/1 29 C 30 20/1 SPARE SPARE SPARE 20/1 29 C 30 20/1 SPACE SPACE SPARE 20/1 29 C 30 20/1 SPACE SPACE SPACE 31 A 32 SPACE SPACE SPACE SPACE SPACE 33 B 34 SPACE SPACE SPACE SPACE SPACE 33 B 40 SPACE SPACE SPACE SPACE SPACE 39 B 40 SPACE SPACE SPACE SPACE SPACE 37 A 38 SPACE						20/1	17	С	18	20/1				
SPARE 20/1 23 C 24 20/1 SPARE SPARE 20/1 25 A 26 20/1 SPARE SPARE 20/1 27 B 28 20/1 SPARE SPARE 20/1 27 B 28 20/1 SPACE SPARE 20/1 27 B 28 20/1 SPACE SPARE 20/1 29 C 30 20 SPACE SPACE 33 B 34 32 SPACE SPACE 33 B 34 SPACE SPACE SPACE 33 B 34 SPACE SPACE SPACE 39 B 40 SPACE SPACE SPACE 39 B 40 SPACE SPACE SPACE 41 C 42 SPACE SPACE SPACE 0.50 VA SPACE SPACE SPACE SPACE 0.50 VA SPACE SPACE SPACE SPAC														
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SPARE 20/1 27 B 28 20/1 SPACE SPARE 20/1 29 C 30 20/1 SPACE SPACE 31 A 32 SPACE SPACE SPACE 33 B 34 SPACE SPACE SPACE 33 B 34 SPACE SPACE SPACE 35 C 36 SPACE SPACE SPACE 33 B 40 SPACE SPACE SPACE 33 B 40 SPACE SPACE SPACE 39 B 40 SPACE SPACE SPACE 39 B 40 SPACE SPACE SPACE 39 B 40 SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE														
SPARE 20/1 29 C 30 20/1 SPACE SPACE SPACE 31 A 32 SPACE SP												_		
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SPACE 41 C 42 SPACE SPACE Image: Space Imag		SPACE					37	А	38					SPACE
LOAD SUMMARY (KVA) 0.50 UPS Receptacles 0.50 UPS Receptacles 0.50 Equipment Continuous 0.50 0.40 1.11 AMPS - DEMAND 0.50		SPACE					39	В	40					SPACE
Image: Phase A Phase B Phase C PHASE TOTALS 0.50 kVA Image: LOAD SUMMARY (KVA) 0.50 kVA LOAD TYPE CONNECTED DEMAND ighting 0.50 kVA - TOTAL CONNECTED LOAD Receptacles 0.50 0.40 UPS Receptacles 0.50 iquipment: Continuous 0.50 0.40 iquipment: Non-Continuous 0.50 0.40 Gatehen 0.50 0.40 Idechanical: Concurrent 0 0 Idechanical: Concurrent 0 0		SPACE					41	С	42					SPACE
LOAD SUMMARY (KVA) Phase A Phase B Phase C LOAD TYPE CONNECTED DEMAND KVA Lighting CONNECTED DEMAND KVA - TOTAL CONNECTED LOAD Lighting CONNECTED DEMAND VA Receptacles Consol KVA - TOTAL CONNECTED LOAD PROVID QPS Racks Consol VA PROVID Equipment Non-Continuous 0.50 0.40 1.11 AMPS - DEMAND Consol Kitchen Concurrent Consol Consol Consol Consol Consol Consol Mechanical: Concurrent Consol				1	1	I						1		1
Image: PHASE TOTALS 0.50 kVA LOAD SUMMARY (KVA)							<< PH/	SE SUB-TOT	ALS >>			0.50]
LOAD SUMMARY (KVA) KVA LOAD TYPE CONNECTED DEMAND Lighting 0.50 KVA - TOTAL CONNECTED LOAD Receptacles 0.50 KVA - TOTAL DEMAND LOAD UPS Receptacles 0.50 Receptacles 0.50 0.40 Equipment: Continuous 0.50 0.40 Equipment: Non-Continuous 0.50 0.40 Kitchen Image: Concurrent Image: Concurrent Mechanical: Concurrent Image: Concurrent Image: Concurrent						Pha	se A	Pha	se R	Ph	ase C.			
LOAD SUMMARY (KVA) LOAD TYPE CONNECTED Lighting 0.50 Receptacles 0.50 UPS Receptacles Receptacles 0.40 KVA - TOTAL CONNECTED LOAD VPS Receptacles QPS Receptacles QPS Receptacles QPS Receptacles QPS Recontances Equipment Continuous 0.50 QPS 0.50 Kitchen 0.50 Mechanical: Concurrent 0.00 Mech: Non-Concurrent 0.00				PHA	SE TOTALS:							kVA		
LOAD TYPE CONNECTED DEMAND Lighting Image: Connected con						<u> </u>						J		
Lighting Image: Construct of		LOAD	SUMMARY (KVA)											
Receptacles Image: Constraint of the sector of	_		CONNECTED	DEN	AND									
UPS Receptacles O.40 KVA - TOTAL DEMAND LOAD PROVID Equipment: Continuous 0.50 0.40 1.11 AMPS - DEMAND 0 Equipment: Non-Continuous 0.50 0.40 1.11 AMPS - DEMAND 0 Kitchen 0														
UPS Racks Image: Continuous	R											\D		
Equipment: Continuous 0.50 0.40 Equipment: Non-Continuous Image: Continuous Image: Continuous Kitchen Image: Conturrent Image: Conturrent Mechanical: Concurrent Image: Conturrent Image: Conturrent Mech: Non-Concurrent Image: Conturrent Image: Conturrent		UPS						0.40	kVA - TO	fal dema	ND LOAD			PRO
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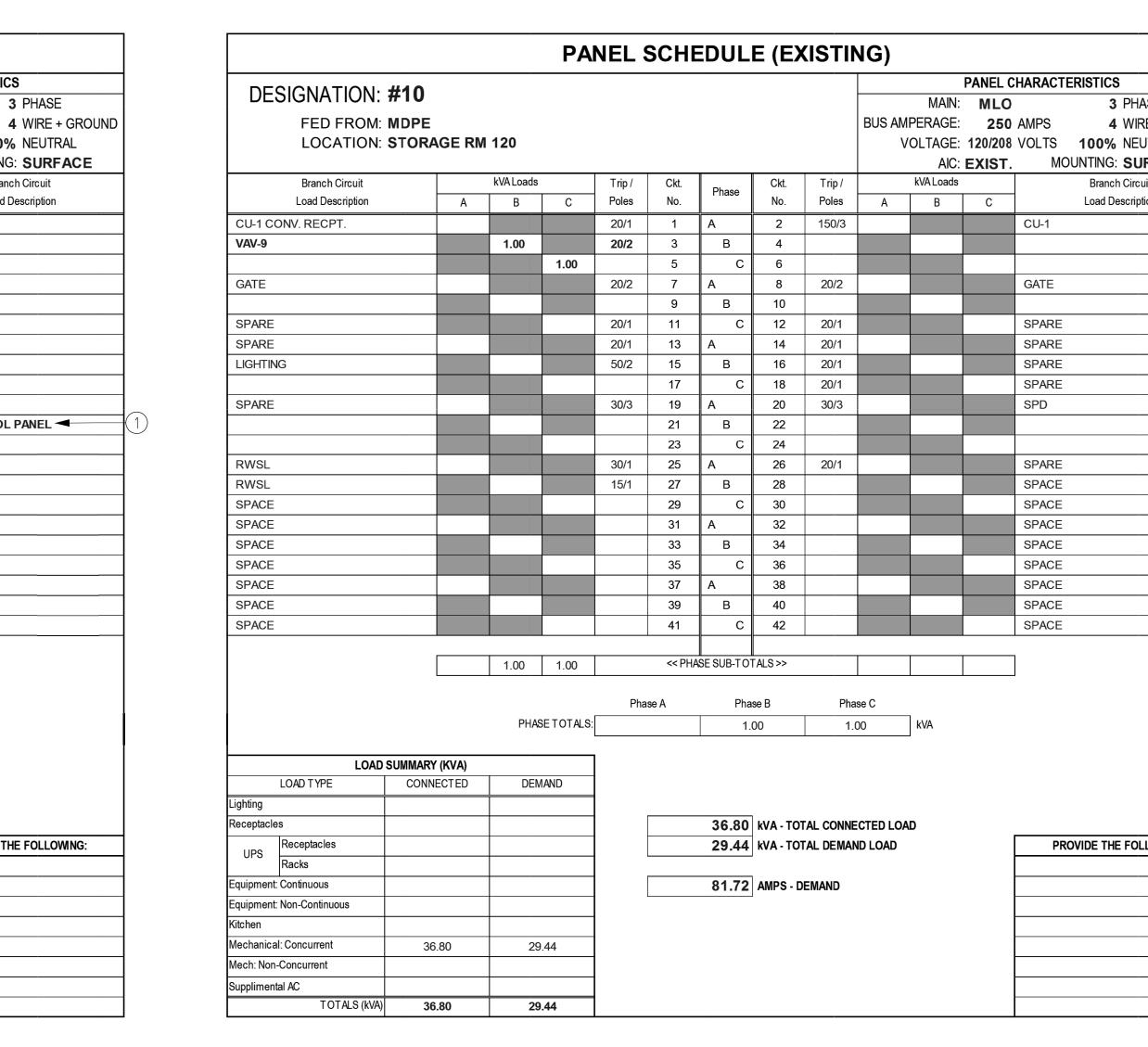
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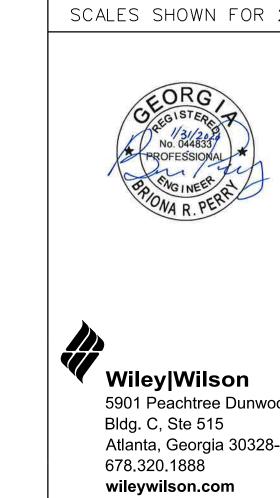
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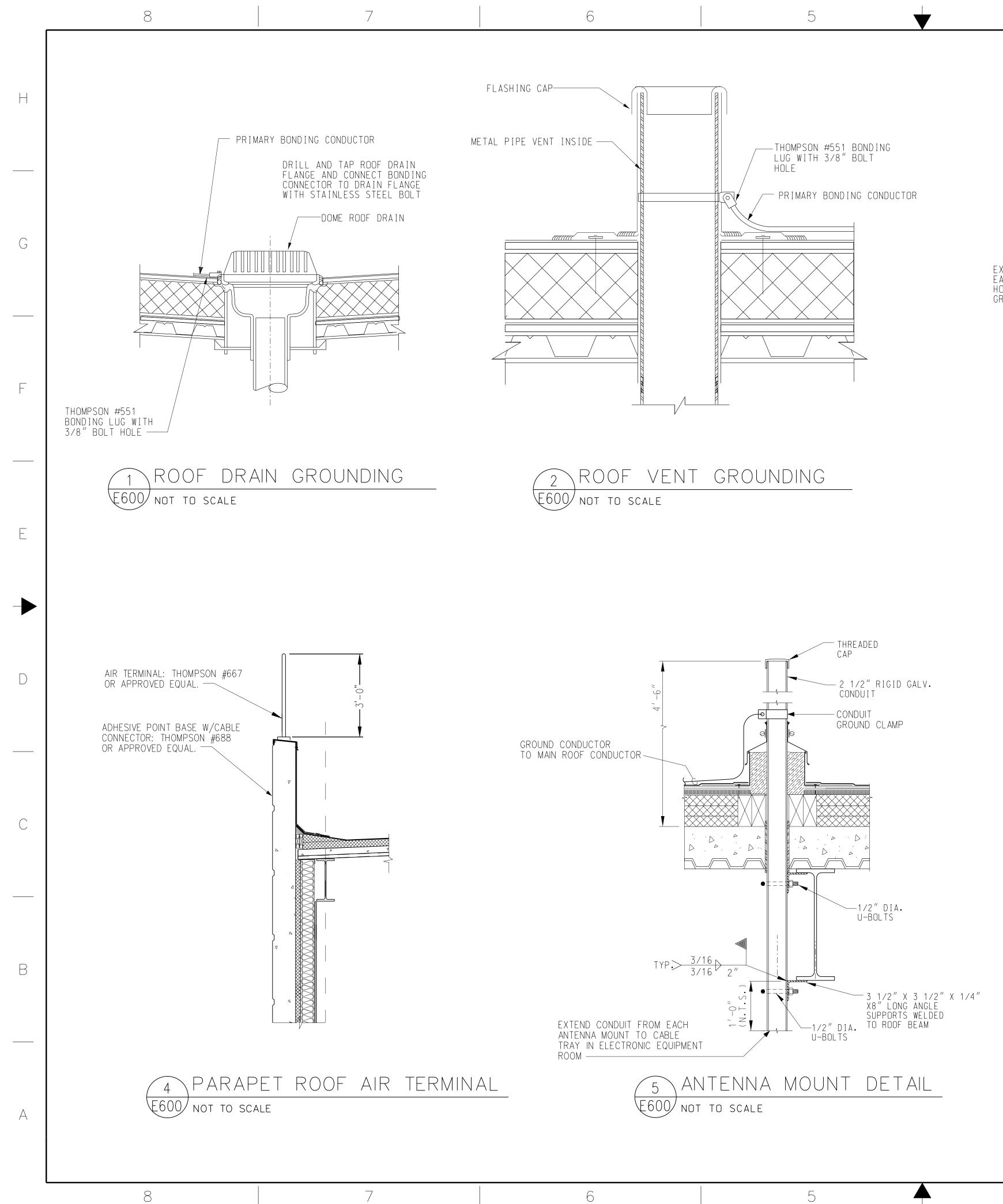
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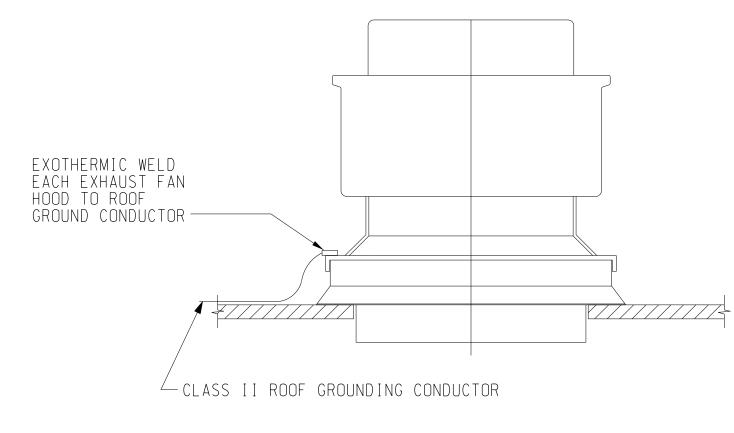
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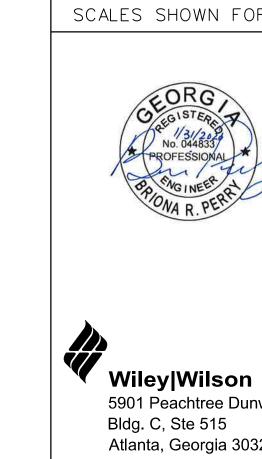




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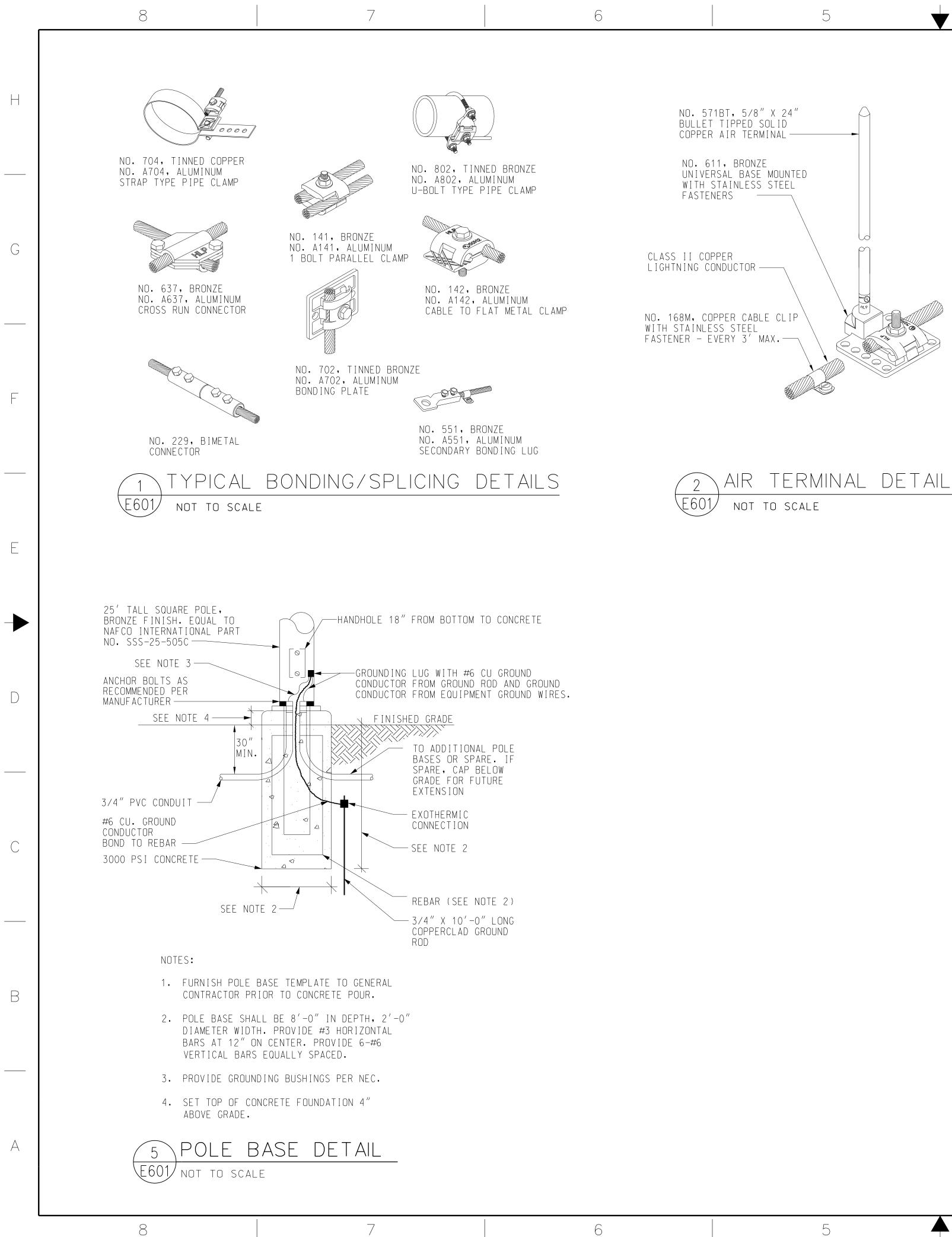
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NO. 571BT, 5/8" X 24" BULLET TIPPED SOLID COPPER AIR TERMINAL
NO. 82, GALVANIZED STEEL TRIPOD BRACE 24" HIGH
NO. 611, COPPER UNIVERSAL BASE
NO. 730, COPPER ADHESIVE CABLE FASTENER EVERY 3' MAX.
CLASS II COPPER LIGHTNING CONDUCTOR
3 AIR TERMINAL DETAIL

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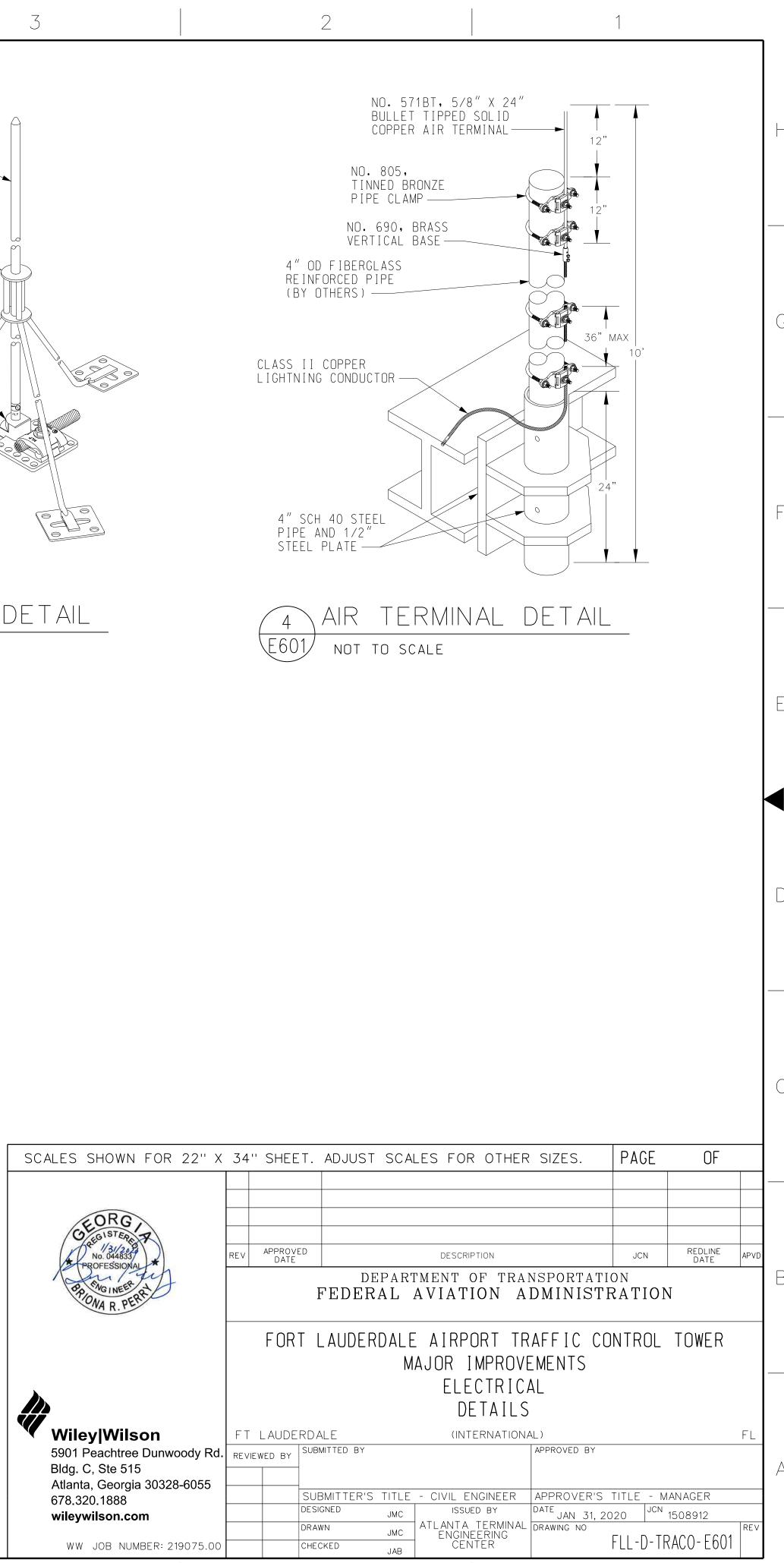
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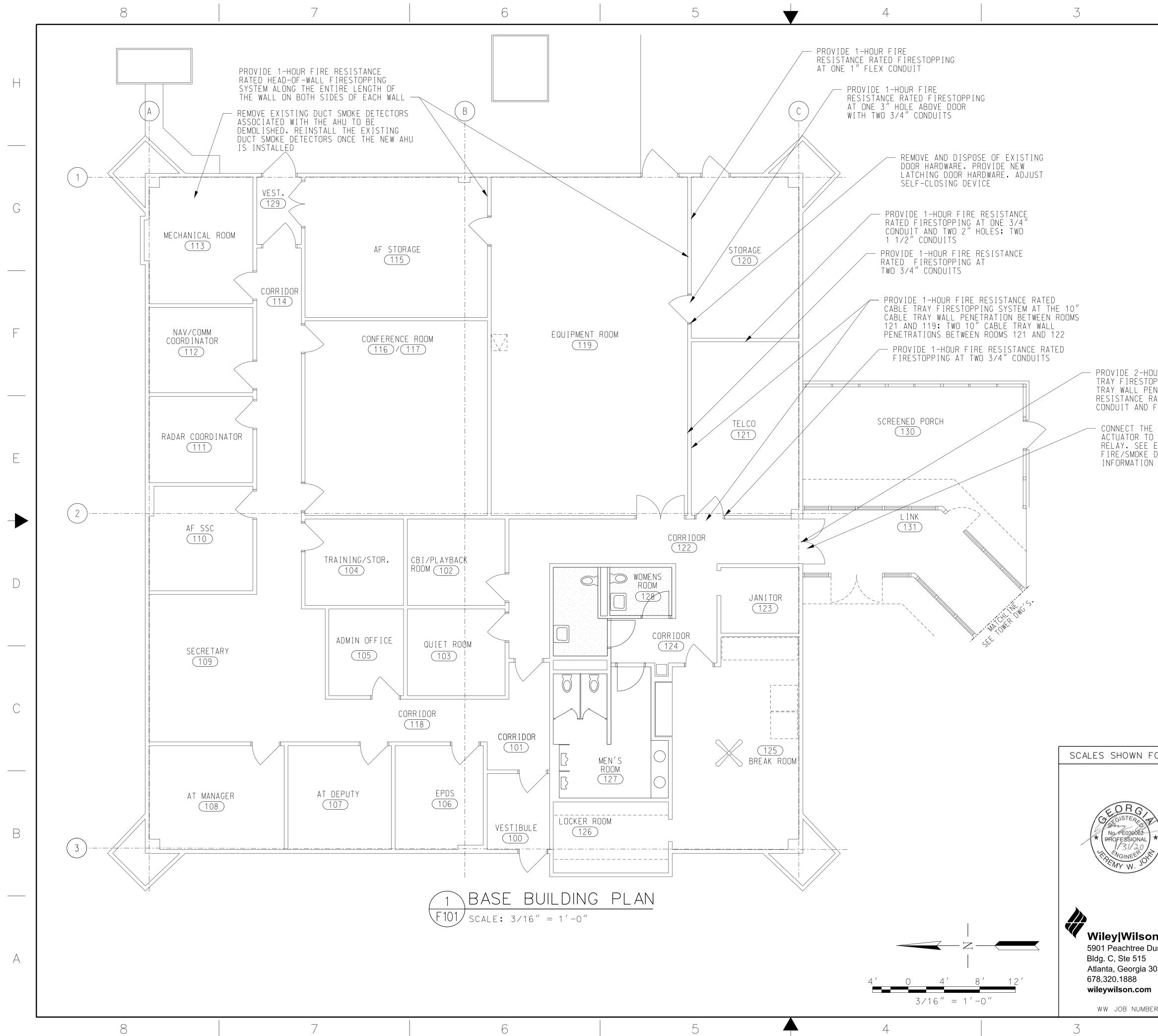
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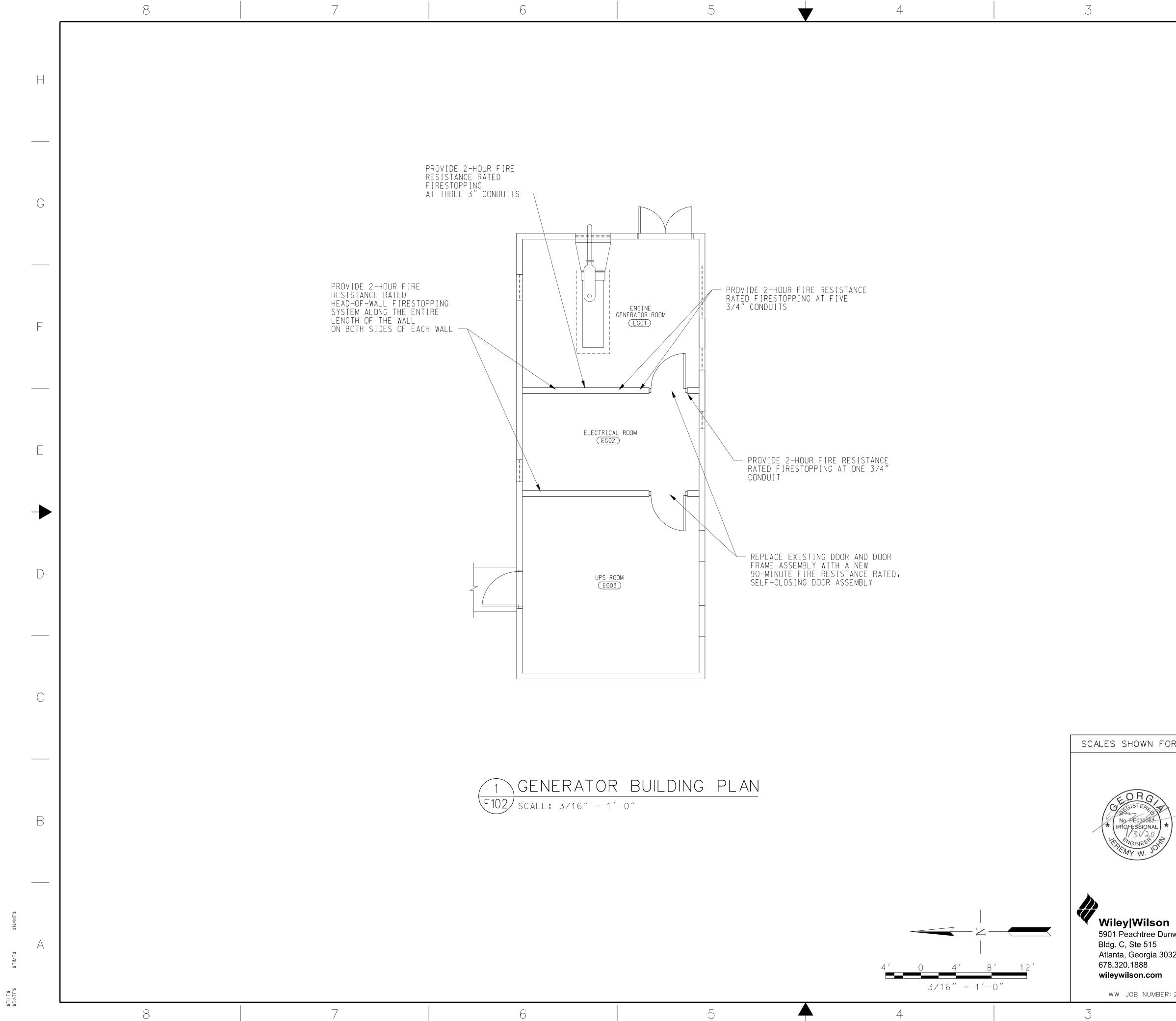
- 1. ALL INTERIOR WALLS, CEILINGS, FLOORS, DOORS AND OTHER FINISHED CONSTRUCTION THAT ARE DAMAGED OR ALTERED BY THE CONTRACTOR SHALL BE RESTORED TO ORIGINAL CONDITION.
- 2. PRIOR TO ANY FIRESTOPPING MATERIALS OR ASSEMBLY BEING INSTALLED, THE CONTRACTOR SHALL HAVE SUBMITTED TO THE FAA RESIDENT ENGINEER MSDS OF ALL MATERIALS INTENDED FOR USE. NO SUBSTITUTIONS SHALL BE PERMITTED WITHOUT THE WRITTEN PERMISSION OF THE RESIDENT ENGINEER. REFER TO SPECIFICATION SECTION 07840 FOR APPROVED FIRESTOPPING MATERIALS AND METHODS.
- 3. PROVIDE UL-LISTED ASSEMBLIES OR ENGINEERED SYSTEMS FOR ALL FIRE BARRIER AND FIRESTOPPING APPLICATIONS AT ALL REQUIRED LOCATIONS. FIRESTOPPING IS ALSO REQUIRED FOR ALL PENETRATIONS MADE BY THE CONTRACTOR FOR ALL DEMO AND NEW WORK. UL CLASSIFICATION PRODUCT DATA SHEET OR MANUFACTURER'S ENGINEERED SYSTEM SHALL BE SUBMITTED AND APPROVED BEFORE ANY FIRESTOPPING IS INSTALLED.

PROVIDE 2-HOUR FIRE RESISTANCE RATED CABLE TRAY FIRESTOPPING SYSTEM AT THE 26" CABLE TRAY WALL PENETRATION. PROVIDE 2-HOUR FIRE RESISTANCE RATED FIRESTOPPING AT ONE 2" CONDUIT AND FOUR 3/4" CONDUITS

CONNECT THE NEW FIRE/SMOKE DAMPER ACTUATOR TO THE EXISTING FIRE ALARM RELAY. SEE ELECTRICAL DRAWINGS FOR FIRE/SMOKE DAMPER ACTUATOR INFORMATION

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IRPORT TRAFFIC CONTROL TOWER (ATCT)

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Wiley|Wilson 5901 Peachtree Du Bldg. C, Ste 515 Atlanta, Georgia 30 678.320.1888 wileywilson.com

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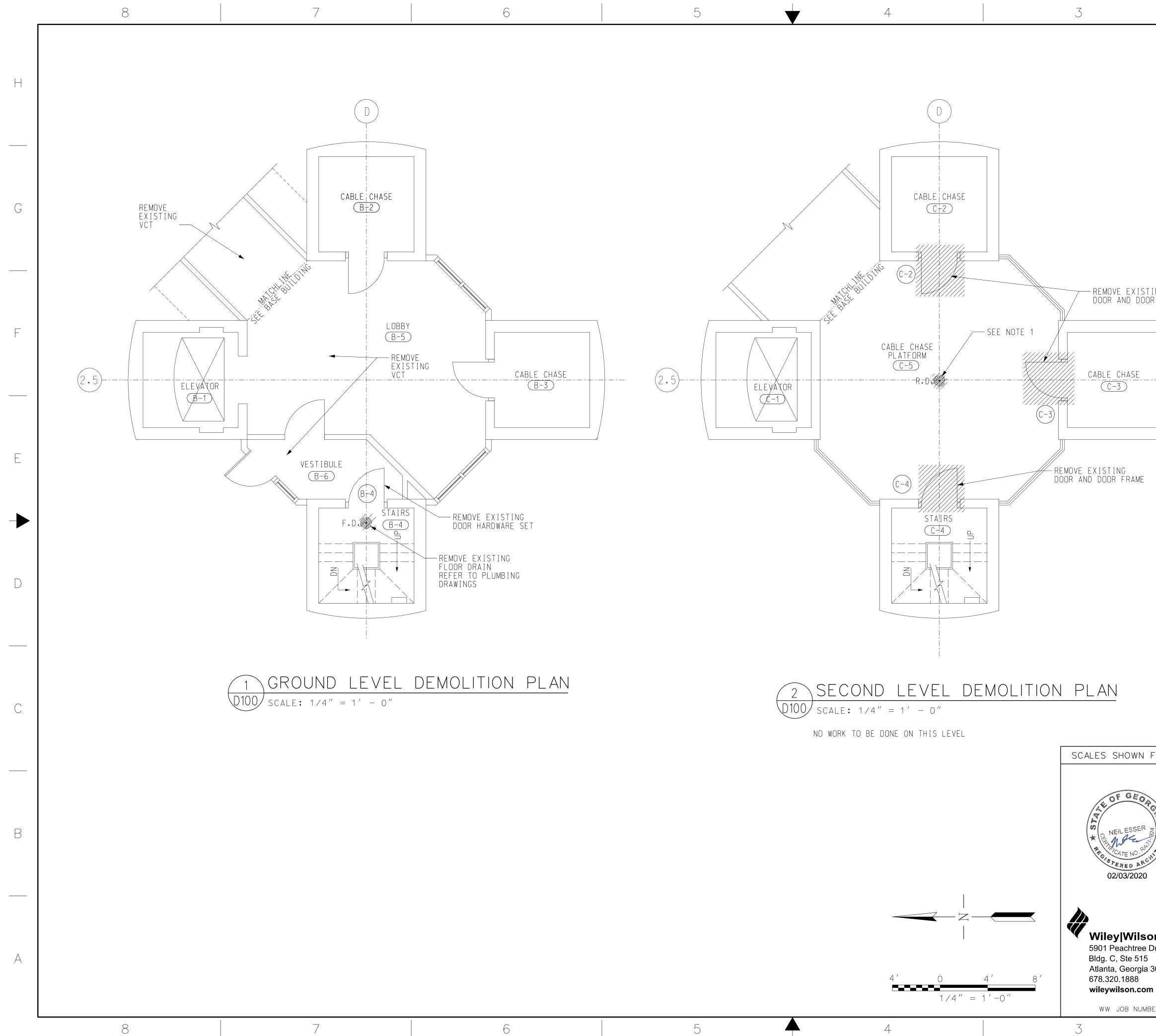
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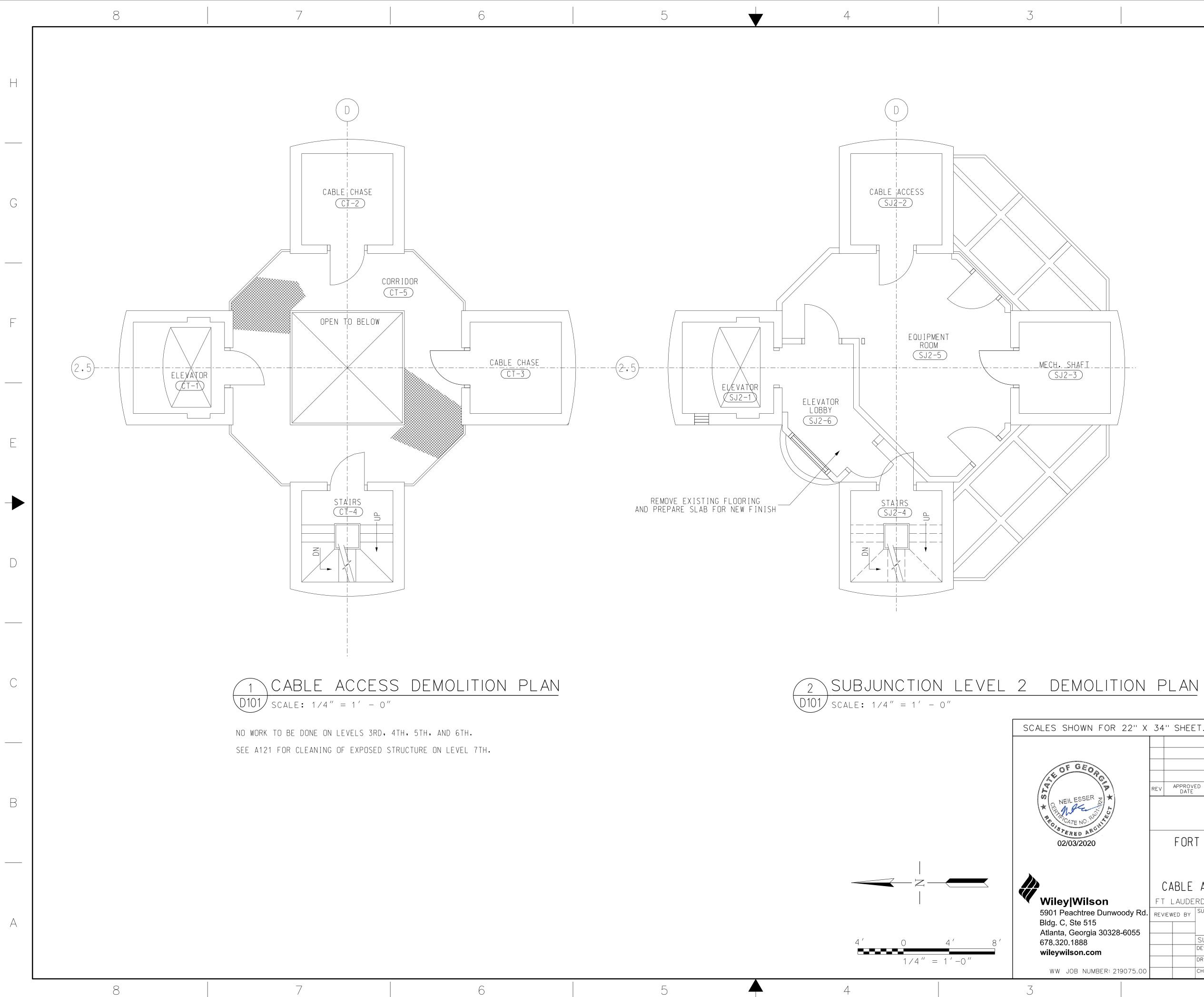
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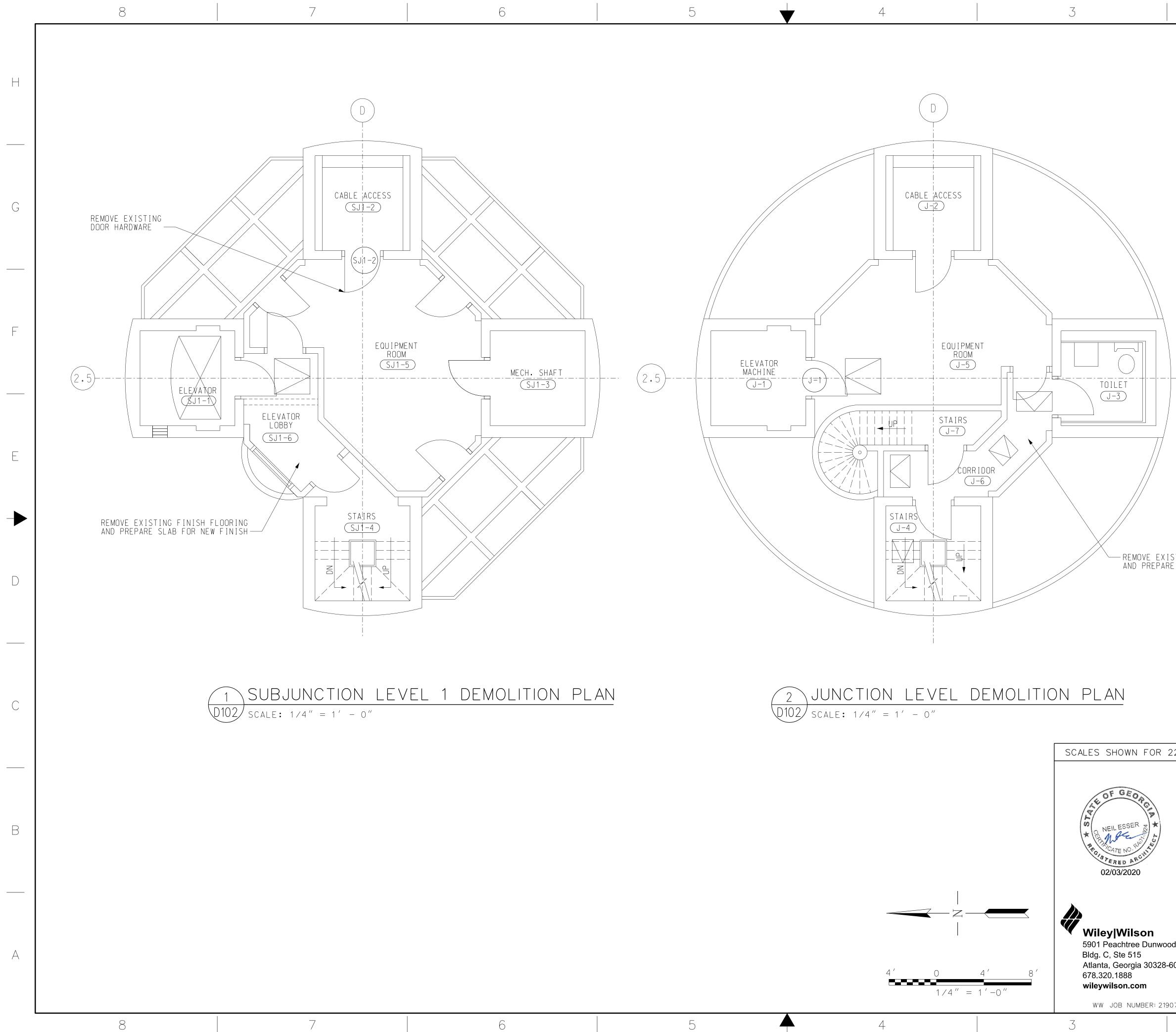
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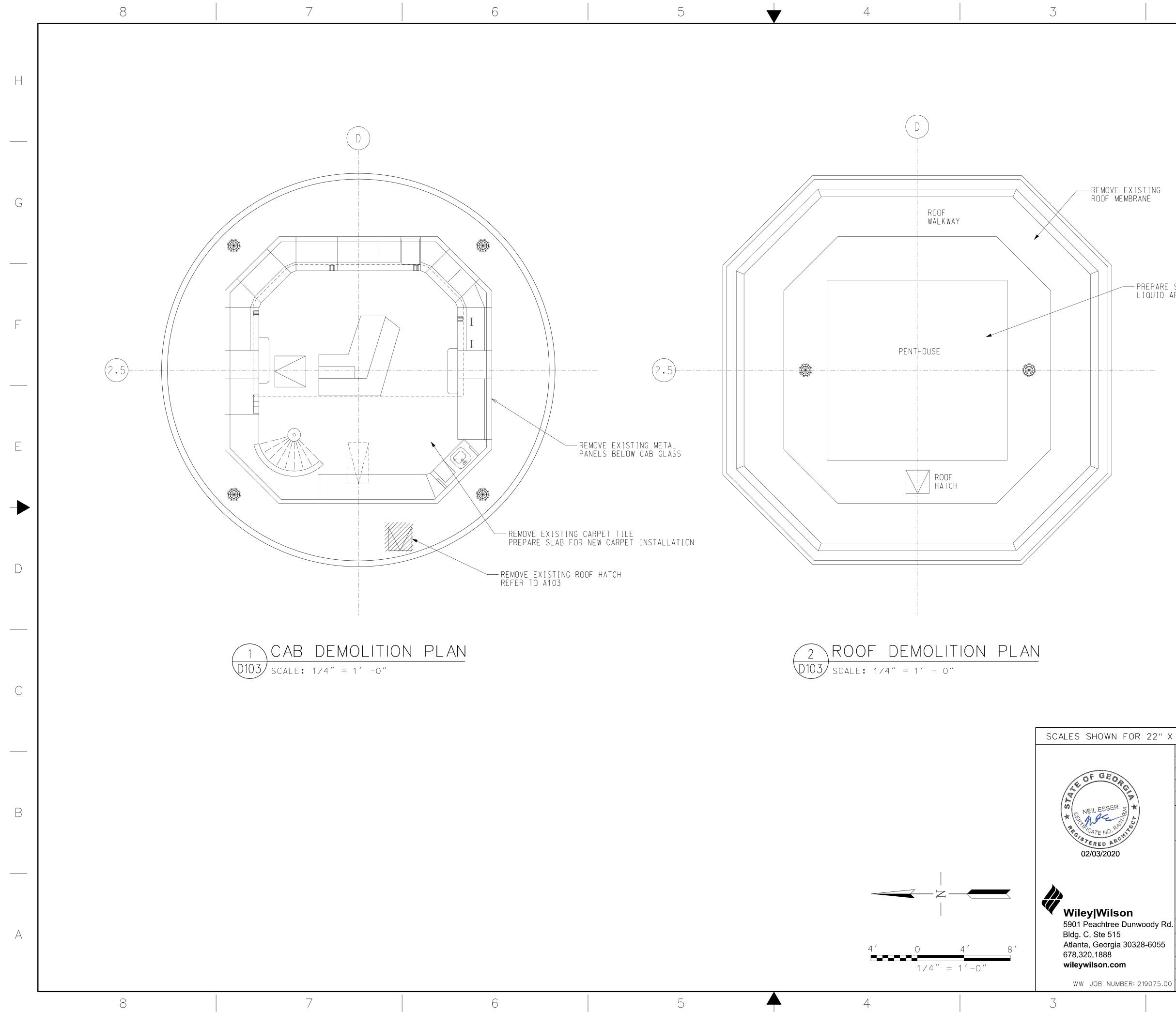
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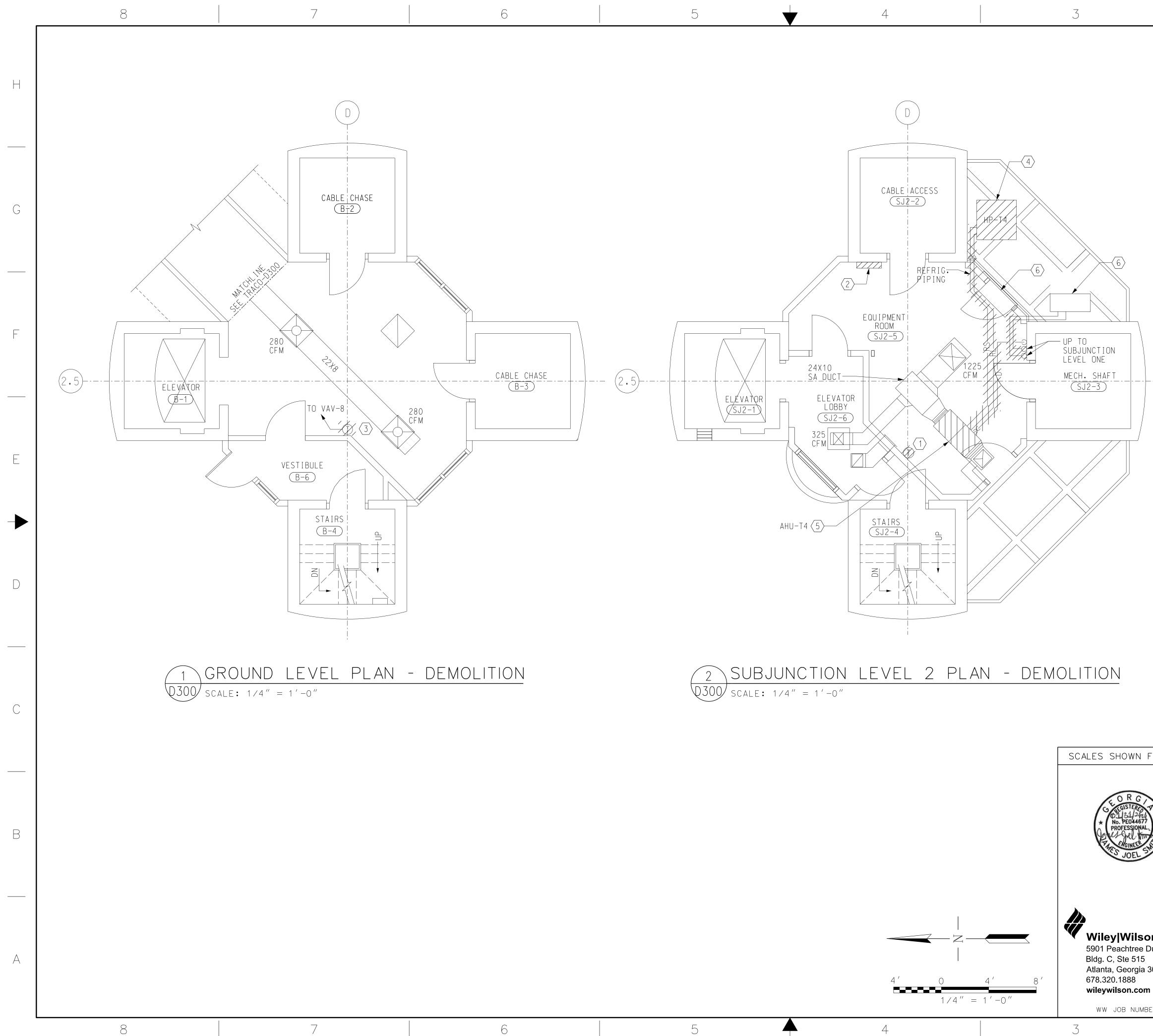
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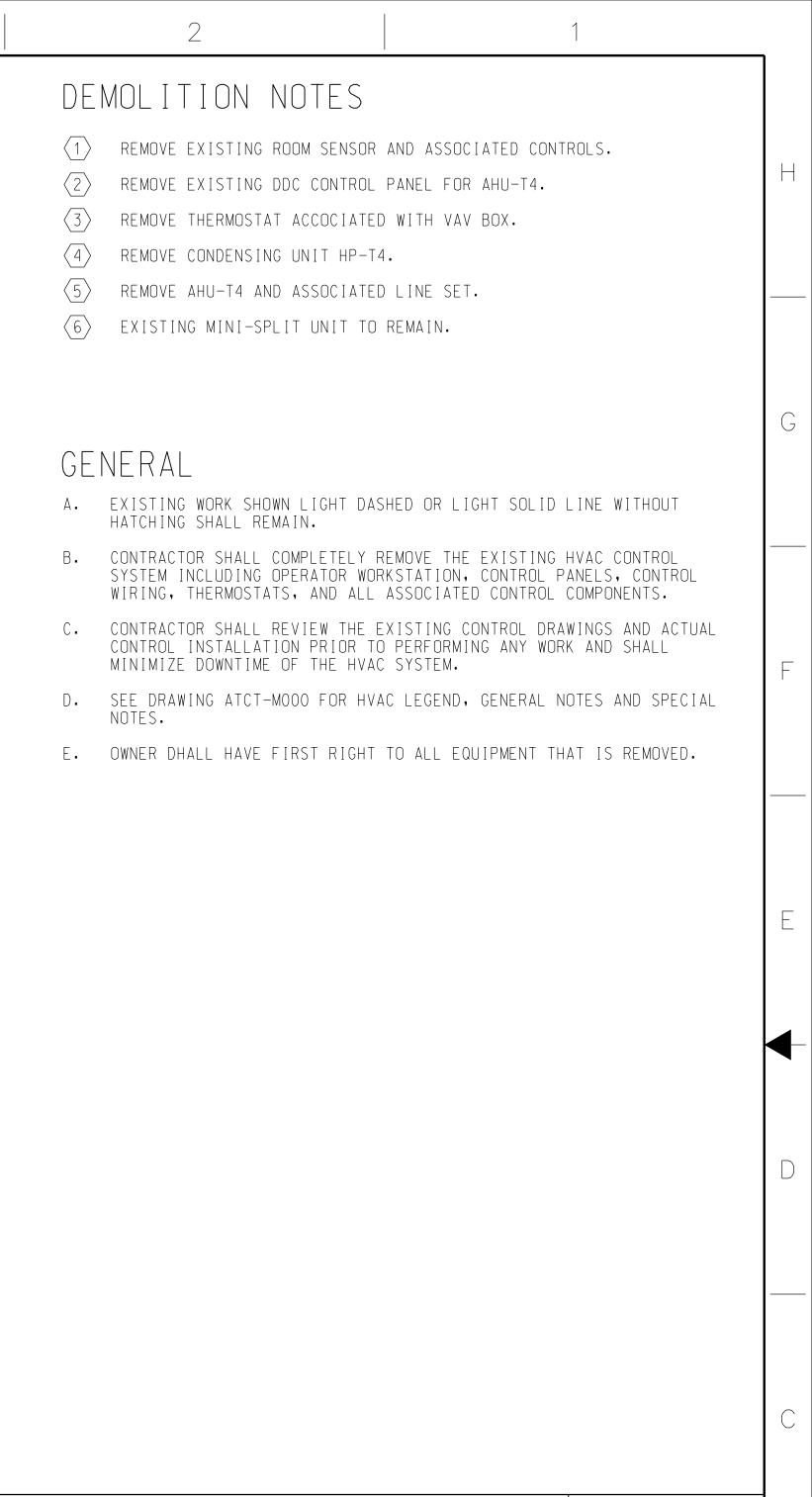


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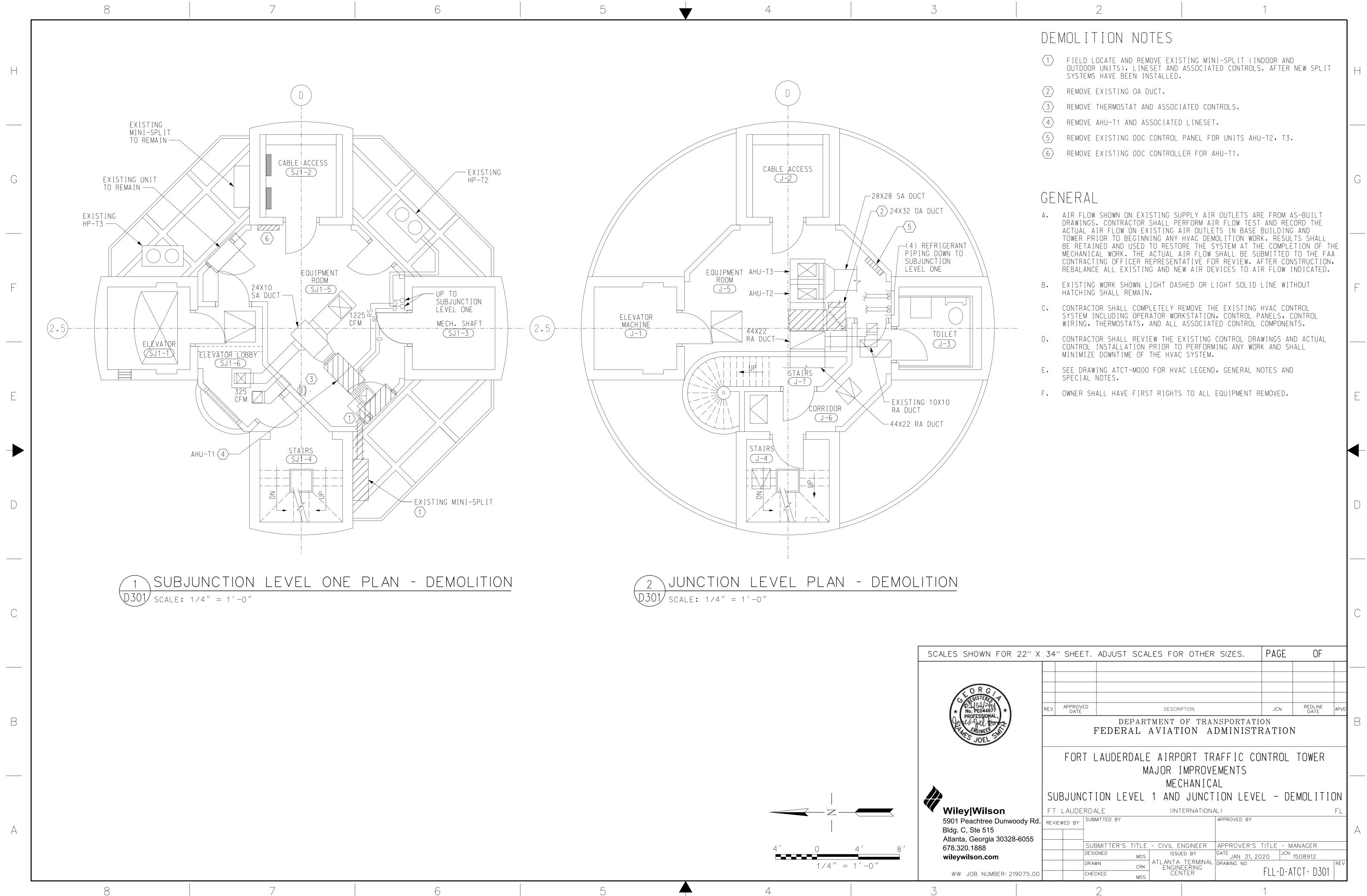
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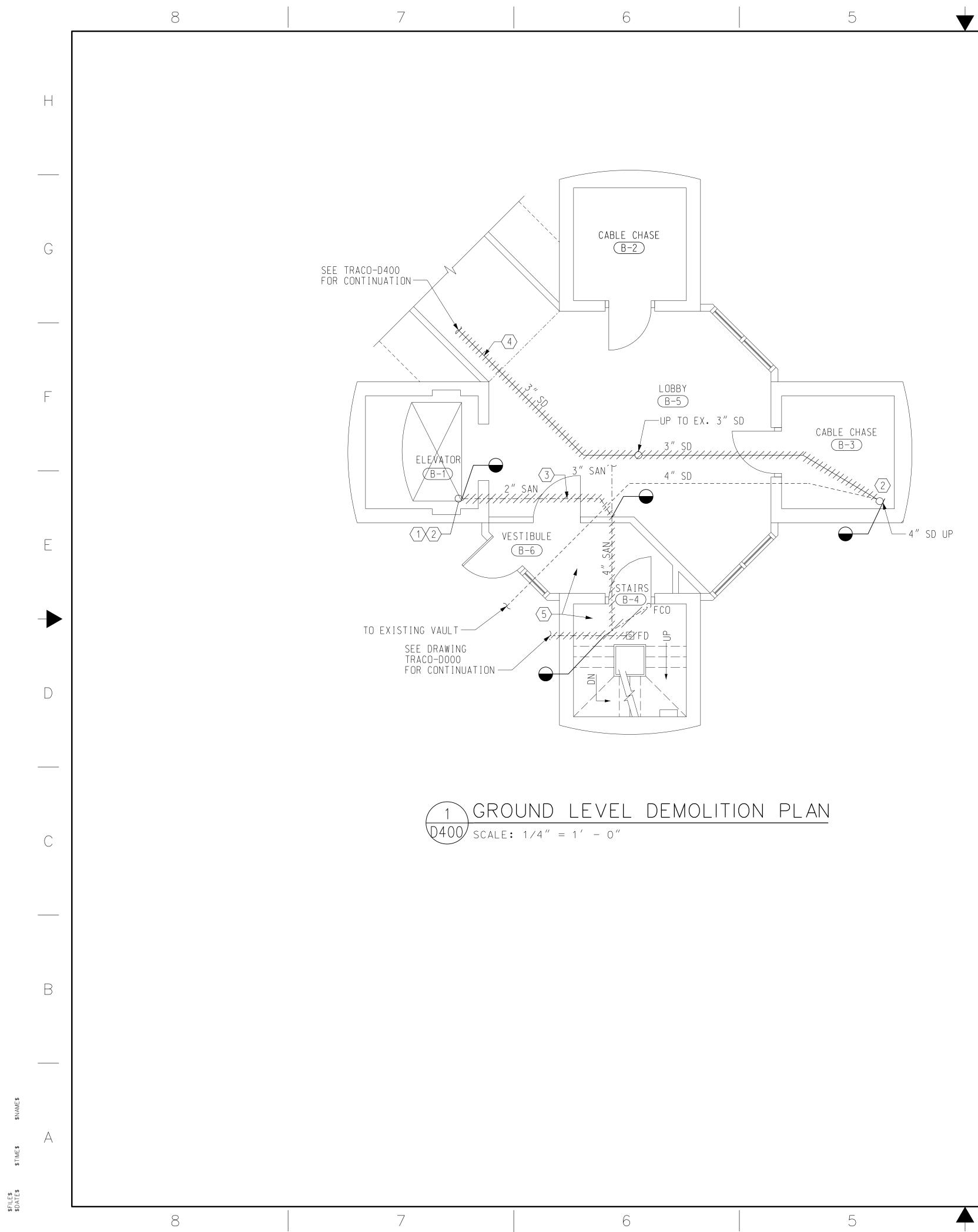


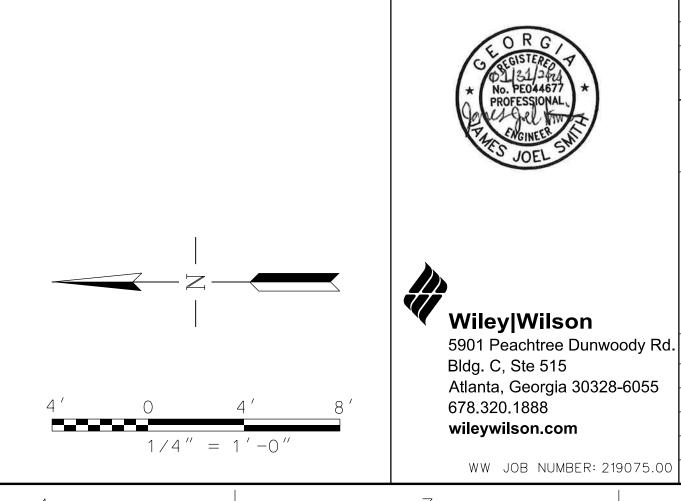


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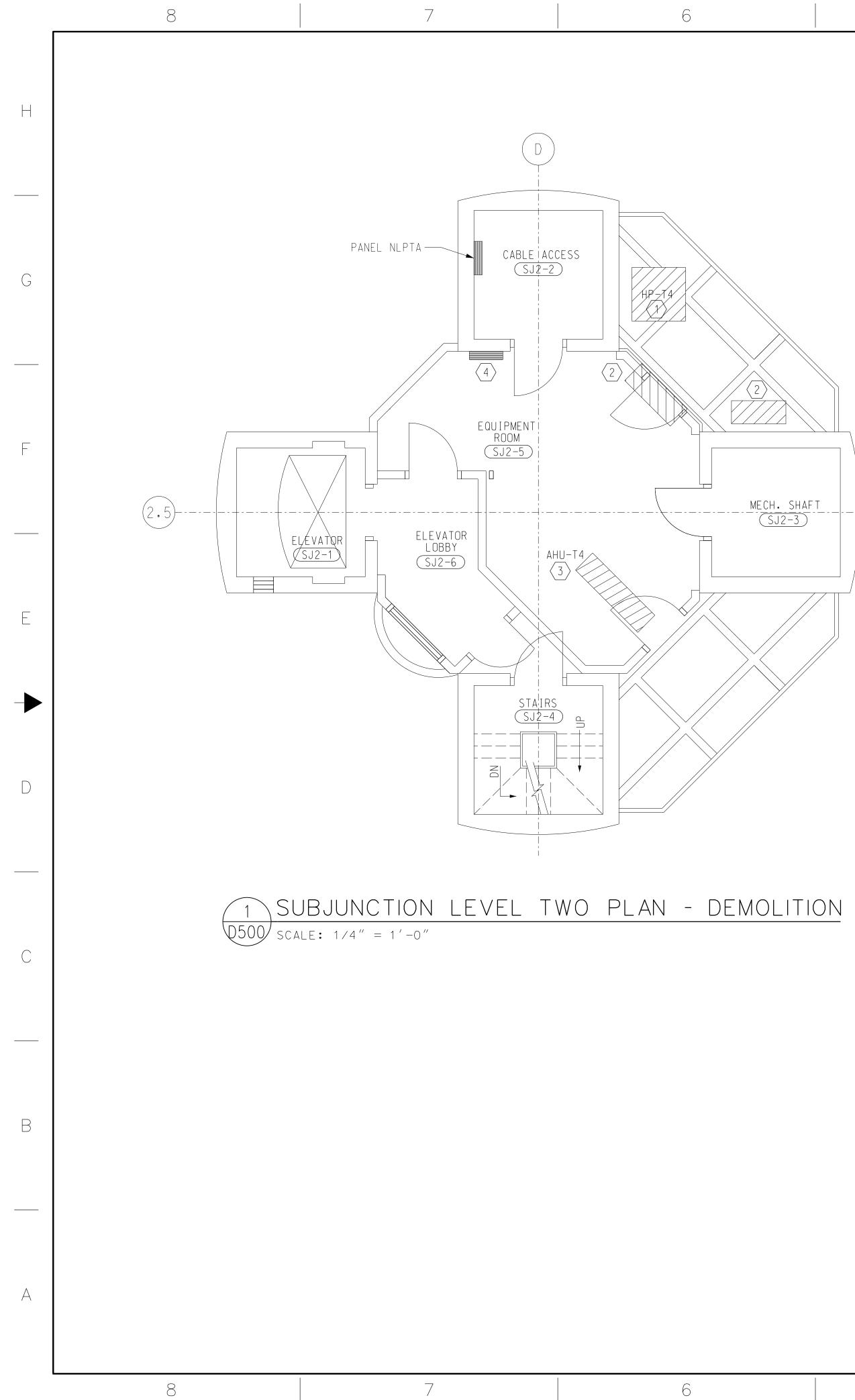
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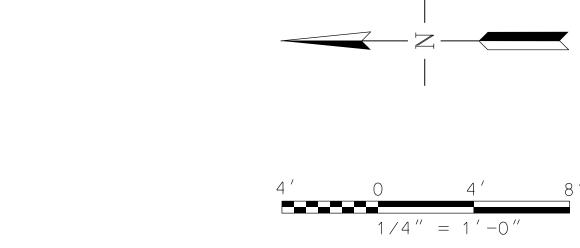


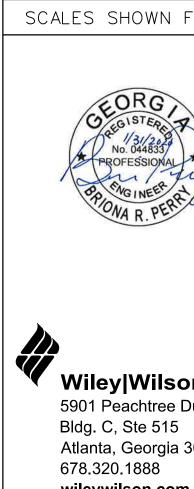
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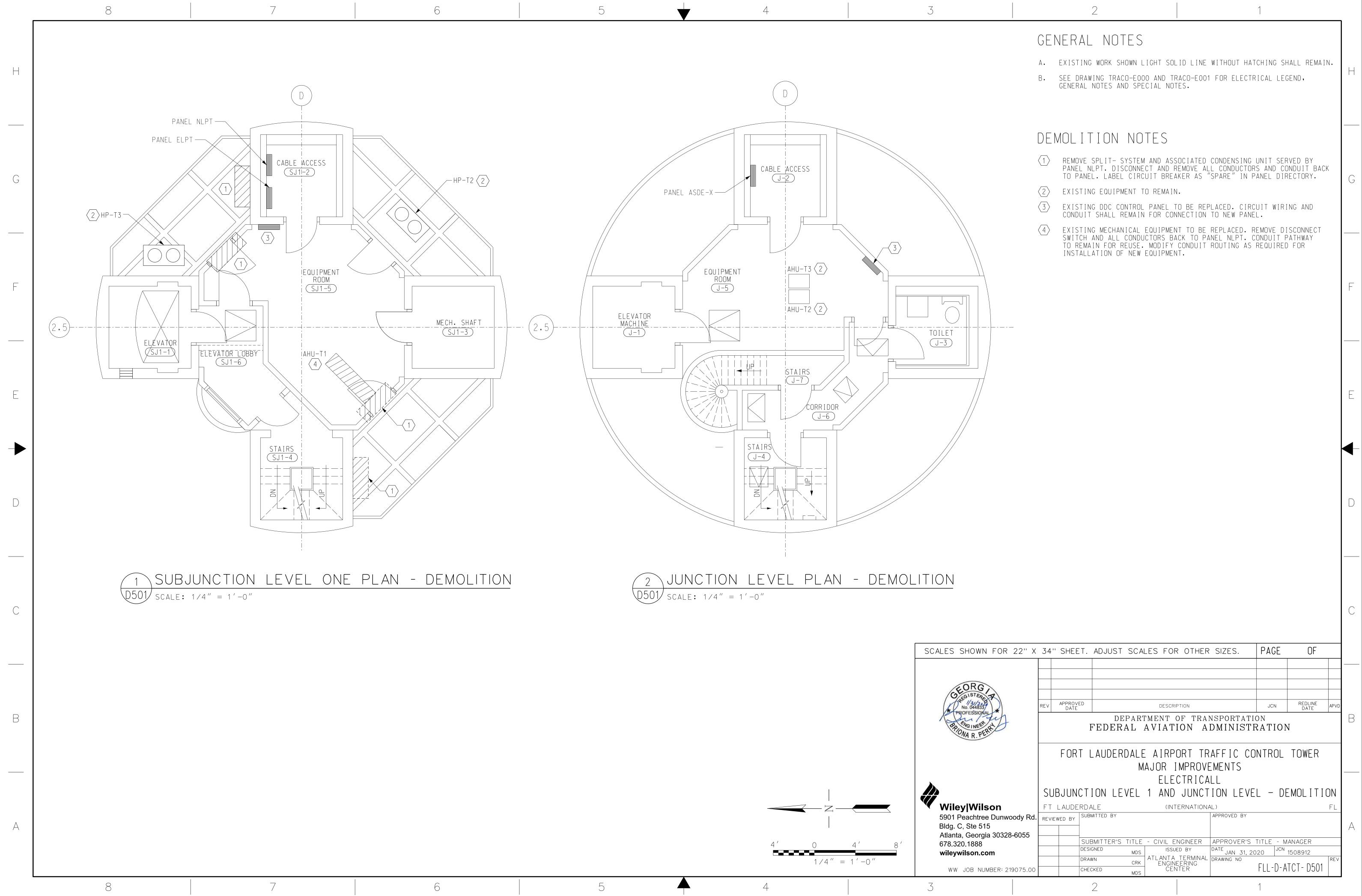


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Н		DOOR NUMBER		2'X 4'LAY-IN ACOUSTICAL CEILING
		GYPSUM BOARD Partition		2' X 2' LAY-IN ACOUSTICAL CEILING
G		PRECAST CONCRETE WINDOW NUMBER		SUSPENDED GYPSUM BOARD CEILING
	W1 X1			SUPPLY DIFFUSER
F		TYPICAL PARTITION TYPE Louver number		RETURN GRILLE
	8'-6'' AFF	CEILING HEIGHT DESIGNATION FLOOR HATCH		EXHAUST GRILLE 2'X4' RECESSED FLUORESCENT LIGHTING FIXTURE
		STEEL LADDER SUMP		2'X2' RECESSED FLUORESCENT LIGHTING FIXTURE
E		FLOOR MOUNTED SERVICE SINK WALL MOUNTED SERVICE SINK		4' FLUORESCENT LIGHTING FIXTURE, SURFACE MOUN 2' FLUORESCENT LIGHTING FIXTURE, SURFACE MOUN
		LAVATORY IN COUNTERTOP		4' FLUORESCENT STRIP FIXTURE RECESSED FLUORESCENT/INCANDESCENT LIGHTING FIX RECESSED FLUORESCENT, WALL WASHER LIGHTING FIX
D		LAVATORY WALL MOUNTED URINAL		WALL-MOUNTED LIGHT FIXTURE
		WATER CLOSET FLOOR MOUNTED	LOBBY	BLACKENED DOT INDICATES FIXTURE WITH EMERGENC' ROOM NUMBER TAG
С		WATER CLOSET WALL MOUNTED	<u>B-5</u>	ROOM NUMBER TAG
		ELECTRIC WATER COOLER WALL RECESSED		
В		ELECTRIC WATER COOLER WALL HUNG (HANDICAP)		
	(HC)	LOCKERS HANDICAP DOOR OPERATOR		
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OF GEO NEIL ESSER CATE NO. STERED AR 02/03/2020

SCALES SHOWN

Wiley|Wilson 5901 Peachtree Du Bldg. C, Ste 515 Atlanta, Georgia 30 678.320.1888

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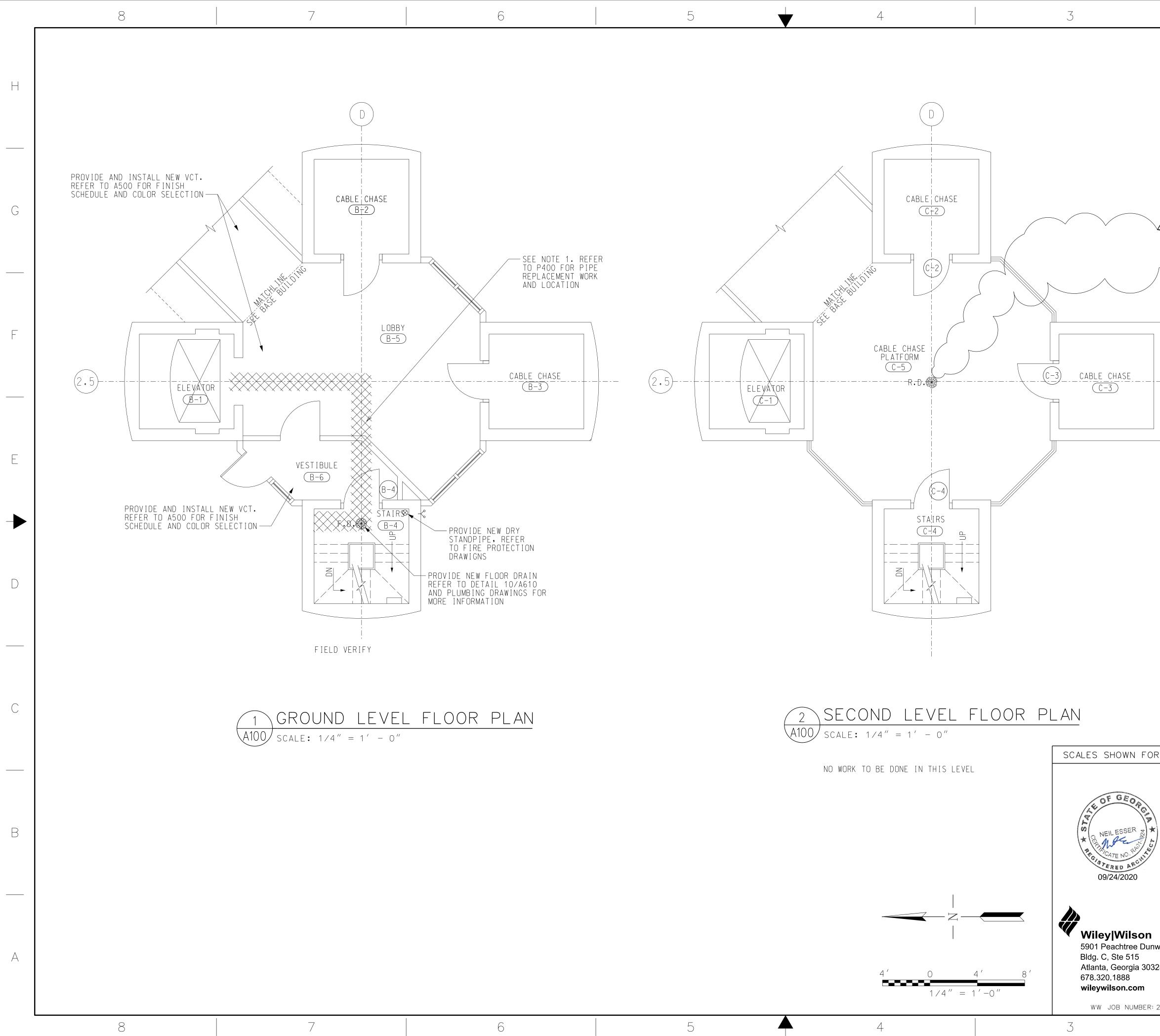
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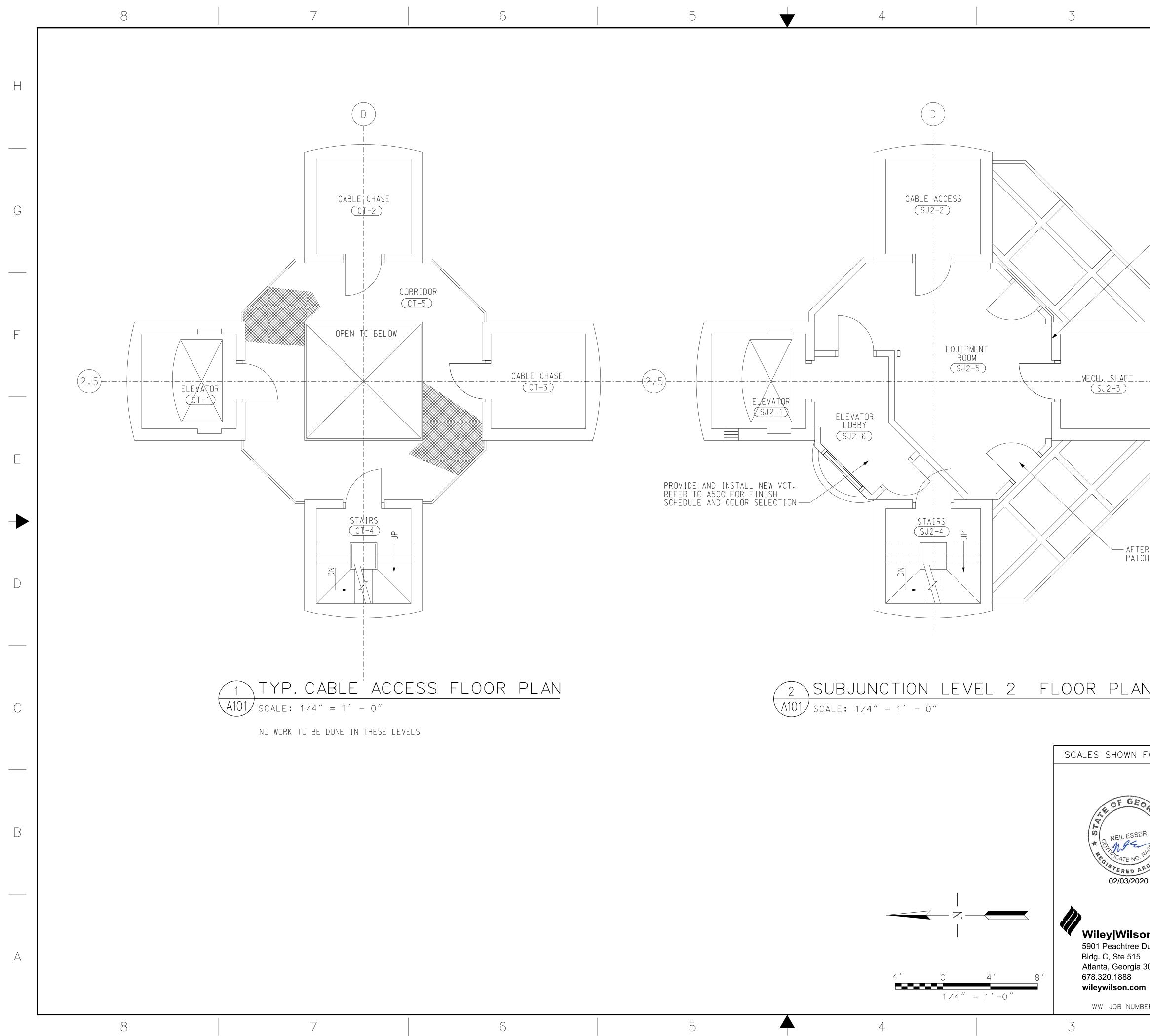
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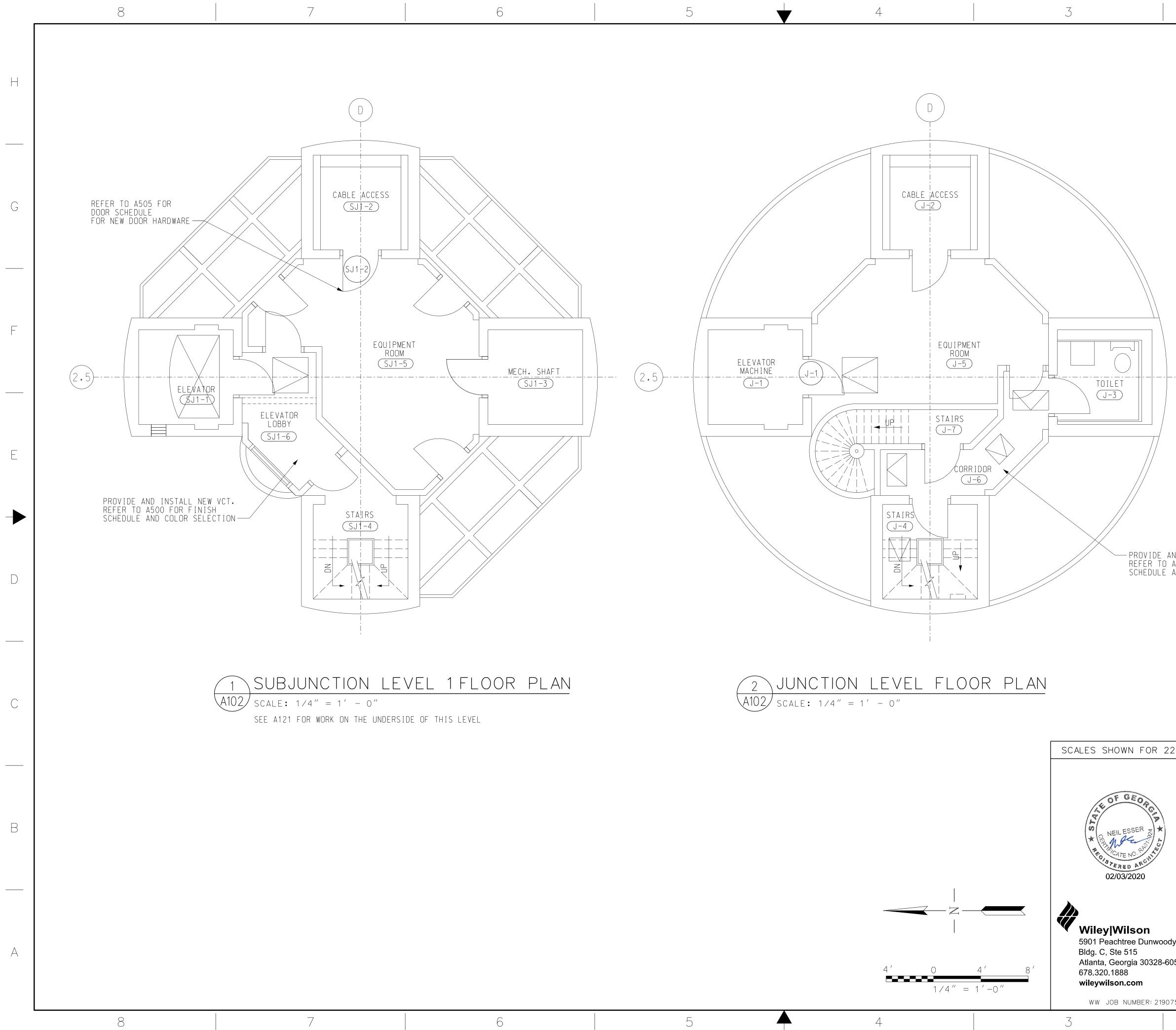
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on Dunwoody Rd. 30328-6055 n BER: 219075.00	REVIEWED BY SUBMITTED BY SUBMITTER'S TITLE - CIVIL E DESIGNED GMR ISSU	Image: Terminal system FL APPROVED BY APPROVED BY NGINEER APPROVER'S TITLE - MANAGER ED BY DATE JAN 31, 2020 TERMINAL DRAWING NO EERING FLL-D-ATCT-A101 ITER 1	A



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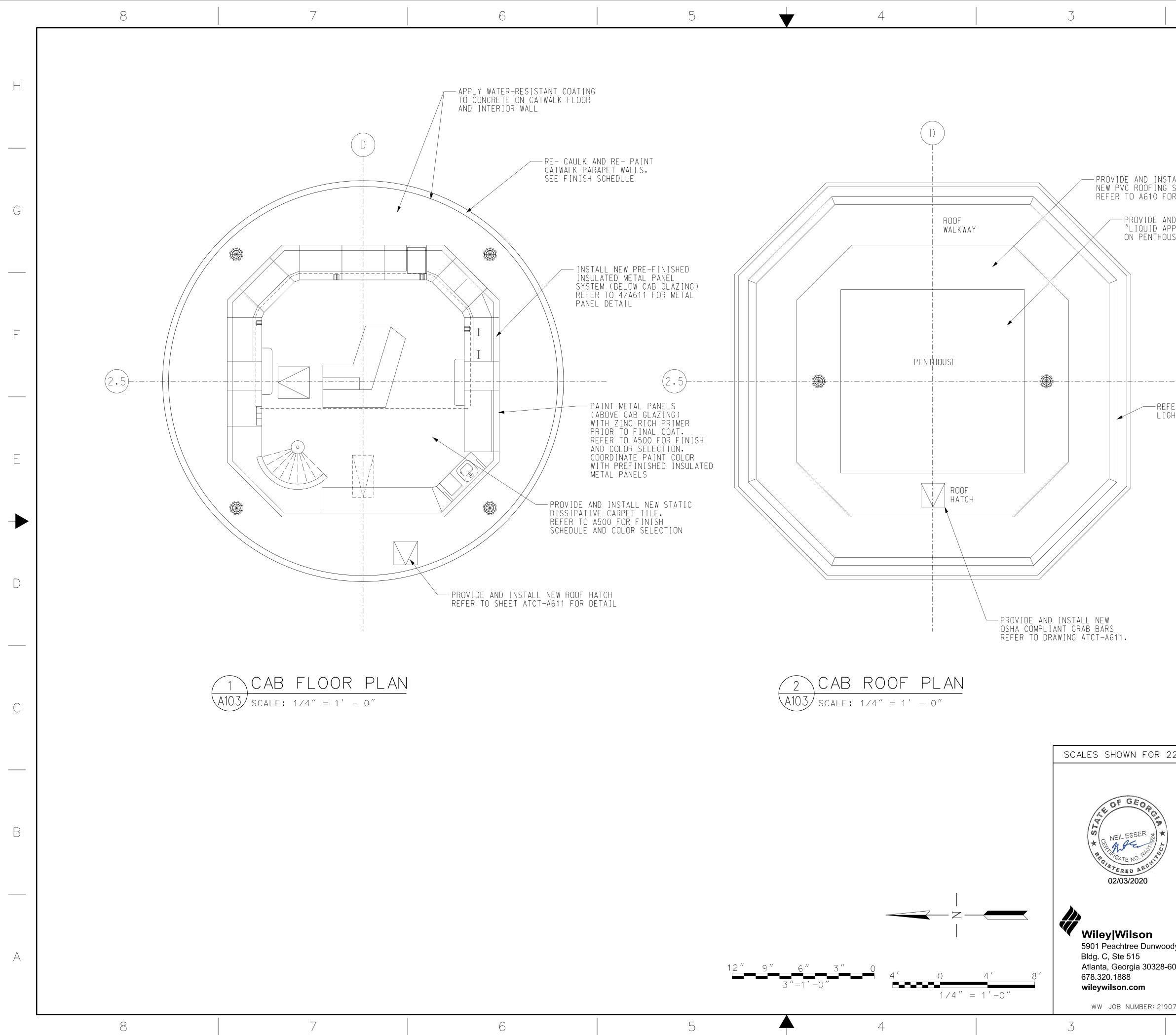
- PROVIDE AND INSTALL NEW VCT. REFER TO A500 FOR FINISH SCHEDULE AND COLOR SELECTION

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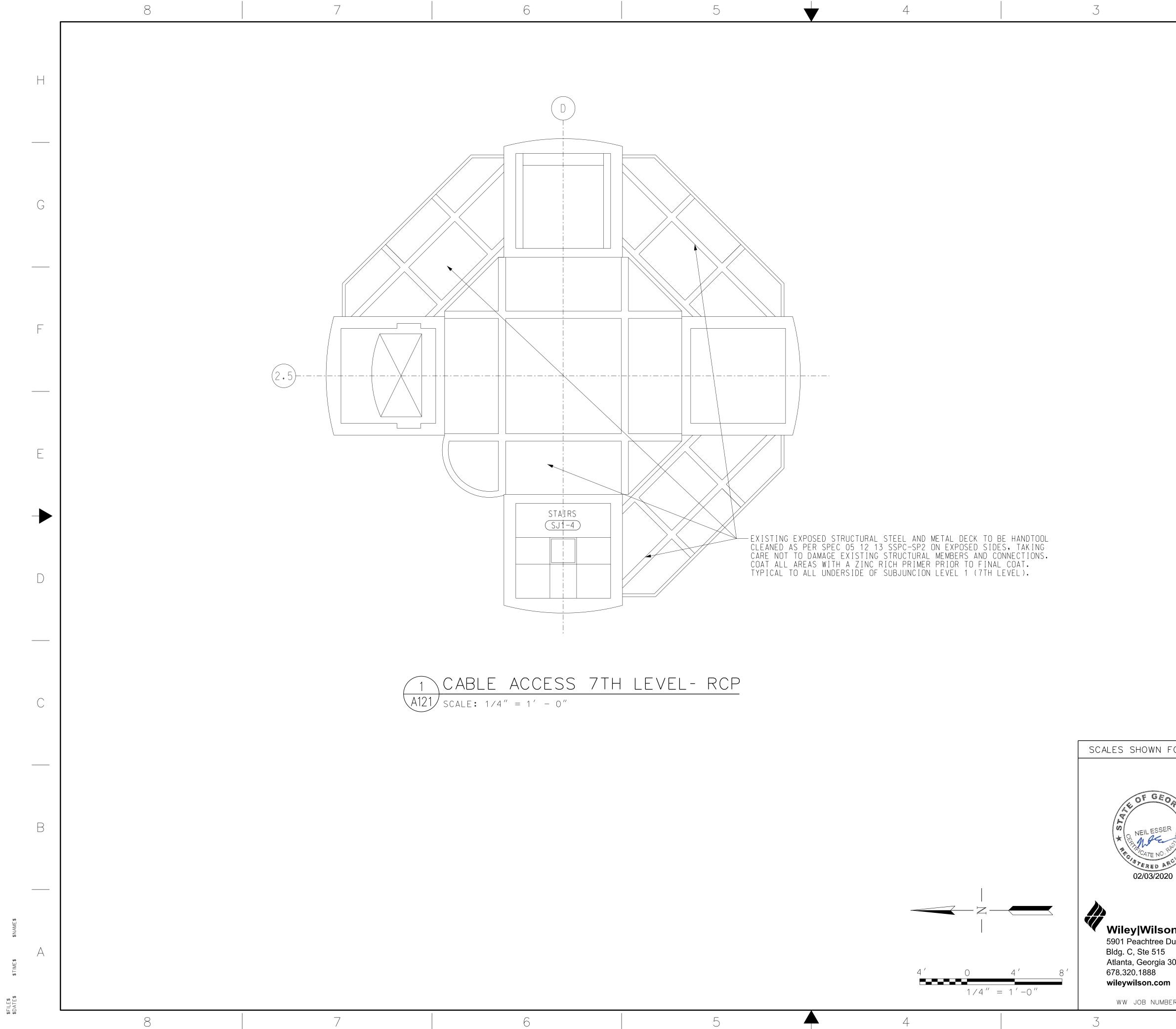
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- PROVIDE AND INSTALL NEW PVC ROOFING SYSTEM REFER TO A610 FOR ROOF DETAILS

- PROVIDE AND APPLY "LIQUID APPLIED COATING" ON PENTHOUSE ROOF

-REFER TO ELECTRICAL FOR LIGHTNING PROTECTION

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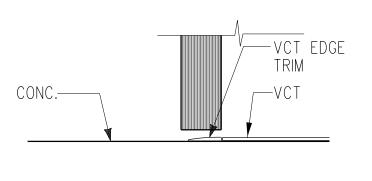
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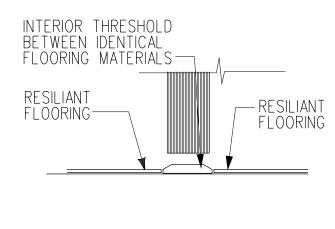
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			1	ROOM F	INISH	SCHEDUL	E		
ROOM NUMBER	ROOM NAME	FLOOR	BASE		WA	ALL		CEIL	_ ING
RC				NORTH	EAST	SOUTH	WEST	FINISH	HEIGHT
FIRST	LEVEL (GROUND)								
<u>B-5</u>	LOBBY	VCT-1	RB-1	P-1	P-1	P-1	P-1	_	_
B-6)	VESTIBULE	VCT-1	RB-1	P-1	P-1	P-1	P-1	_	_
	ACCESS (7TH LEVEL)							1	T
<u>CC7-1</u>)	CABLE ACCESS LEVEL	_	_	_	_	_	_	P-2	EXISTING
SUBJUC	TION LEVEL 2								
SJ2-6)	ELEVATOR LOBBY	VCT-1	RB-1	P-1	P-1	P-1	P-1	-	_
SUBJUC	CTION LEVEL 1								
SJ1-6)	ELEVATOR LOBBY	VCT-1	RB-1	P-1	P-1	P-1	P-1	-	_
JUNCTI	ON LEVEL								
(J-3)	TOILET	_	_	_	_	_	_	_	_
(J-J)	CORRIDOR	VCT-1	RB-1	P-1	P-1	P-1	P-1	-	-
(J-6)			RB-1	P-1	P-1	P-1	P-1	_	_
	STAIRS	VCT-1		•					
J-6	STAIRS	VC -1							
<u> </u>	STAIRS CAB	CPT-2	RB-1	_	_	-	_	-	_
(J-6) (J-7) CAB				_	-	_		_	_





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REMARKS

P-2 EXISTING REFER TO DETAIL 1/A500

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CARPET (CPT)
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CPT-1 FOR THE BASE BUILDING

CPT-2 ELECTROSTATIC DISSAPATIVE TYPE CARPET, 24" X 24" SIZ JULIE INDUSTRIES. COLOR: GALILEO - CONTEMPO #4070.

RUBBER BASE (RB) RB-1 4" COVED WALL BASE COLOR EQUAL TO "ROPPE P129 DOLPH

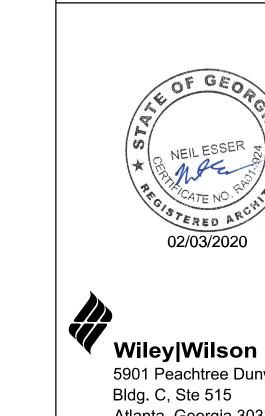
EXTERIOR COLOR SELECTIONS

EXTERIOR PAINT (XP)

- XP-1 SHERWIN WILLIAMS 6005 "FOLKSTONE". SEE NOTE 1. FOR: DOORS, FRAMES AND METAL PANELS.
- XP-2 GALVANIZED STEEL TO BE PAINTED WITH ZINC RICH PAINT CONFORMING TO ASTM A780. COLOR: SHERWIN WILLIAMS 6005 "FOLKSTONE" SEE NOTE

EXTERIOR PAINT (XP)

MP-1 CENTRIA, Color: Dark bronze anodized. see note 1



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INTERIOR COLOR	SELECTIONS	
	PAINT (P) P-1 SHERWIN WILLIAMS 6253 "OLYMPUS WHITE P-2 SHERWIN WILLIAMS 7006 "EXTRA WHITE" (EXPOSED STRUCTURE ABOVE)	
RPET, 24" X 24" SIZE. - Contempo #4070.		
O "ROPPE P129 DOLPHIN"	RESILIENT FLOORING (VCT) - VINYL COMPOSITE VCT-1 COLOR EQUAL TO "AZROCK VINYL ENHANC AT-104 GREY ROCK."	U U
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ELECTIONS ". see note 1. Hels. /ITH ZINC RICH PAINT	NOTES: 1. PRIOR TO ORDERING ANY MATERIALS, COORE COLOR SELECTION AND PROVIDE COLOR SAME FINISHES NOTED ABOVE, AND ANY CONTRACT TO COR FOR APPROVAL.	PLES, REFLECTING ALL
DLKSTONE" SEE NOTE 1.		
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SCALES SHOWN FOR 22" >	34" SHEET. ADJUST SCALES FOR OTHER	sizes. PAGE OF
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Wiley Wilson 5901 Peachtree Dunwoody Rd Bldg. C, Ste 515 Atlanta, Georgia 30328-6055 678.320.1888 wileywilson.com	FT LAUDERDALE (INTERNATIONAL REVIEWED BY SUBMITTED BY SUBMITTER'S TITLE - CIVIL ENGINEER DESIGNED GMR	
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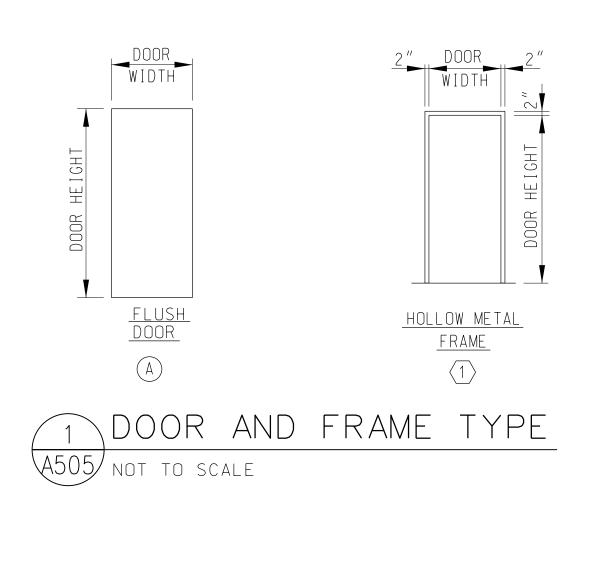
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LEVEL/FLOOR	DOOR #	DOOR LOCATION	REMOVE EXIST AND INSTALL NEW DOOR AND FRAME	INSTALL NEW DOOR	NEW HARDWARE ONLY	WIDTH	HEIGHT	THICK.	MATERIAL	FINISH	TYPE	SCH	F INISH	INGES TOTAL	OR CLOSER	HER ST	LOCK SET TYPE	XT. RATED	IRE RAT		ELECTRONIC CARD Reader	MAGNETIC CONTACT	ELECTRONIC STRIKE	GRADE-1 BEST CORE	LATCH GUARD	ASTRAGAL	PERIMETER SEAL	RAIN DRIP	SWEEP	EMERGENCY EXIT SIGN	NDT AN EXIT SIGN	EXIT SIGN	FAA WARNING SIGN
GROUND	B-4	STAIRS				_	_	_	_	_	-	-				_	Р	_	_		_	_	_	YES	_	_	_	_	_	_	_	_	_
SECOND	C-2	CABLE CHASE				3′-0″	7′-0″	1 3/4	" STL	PAINT	$\left(A \right)$	$\left< 1 \right> S$	TL PAI	NT 1.	5		D		90		-	_	_	YES	YES	_				_	_	_	_
	C-3	CABLE CHASE				3′-0″	7′-0″	1 3/4	"STL	PAINT	$\overline{(A)}$	1 S	TL PAI	NT 1.	5		D		90		-	-	_	YES	YES	_				_	_	-	_
	C-4	STAIRS				3′-0″	7′-0″	1 3/4	" STL	PAINT		$\left< 1 \right> S$	TL PAI	NT 1.	5		P		90		-	_	_	YES	YES	_				-	_	-	-
SUBJUNCTION	SJ1-2	CABLE CHASE				_	-	_	_	_	-			-		-	D	_			-	-	-	YES	-	_	_	_	_	-	_	-	-
JUNCTION	J – 1	ELEVATOR MACHINE				_	_	-	_	_	_			_		_	D	_	_		_	_	_	YES	_	_	_	_	_	_		_	_

	DOOR H	HARDWARE DESCF	RIPTION							
			OUTSIDE LEVER		INSIDE LEVER					
DESG. FUNCTION	DESCRIPTION	LOCKED BY	UNLOCKED BY	LOCKED BY	UNLOCKED BY					
• P PASSAGE	TURNING THE INSIDE LEVER, OR ROTATING THE OUTSIDE LEVER	CANNOT BE LOCKED	ALWAYS UNLOCKED	CANNOT BE LOCKED	ALWAYS UNLOCKED					
• D STOREROOM	TURNING THE KEY IN THE OUTSIDE LEVER, OR ROTATING THE INSIDE LEVER	ALWAYS FIXED	CANNOT BE UNLOCKED	CANNOT BE LOCKED	ALWAYS UNLOCKED					



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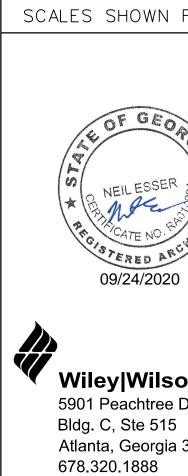
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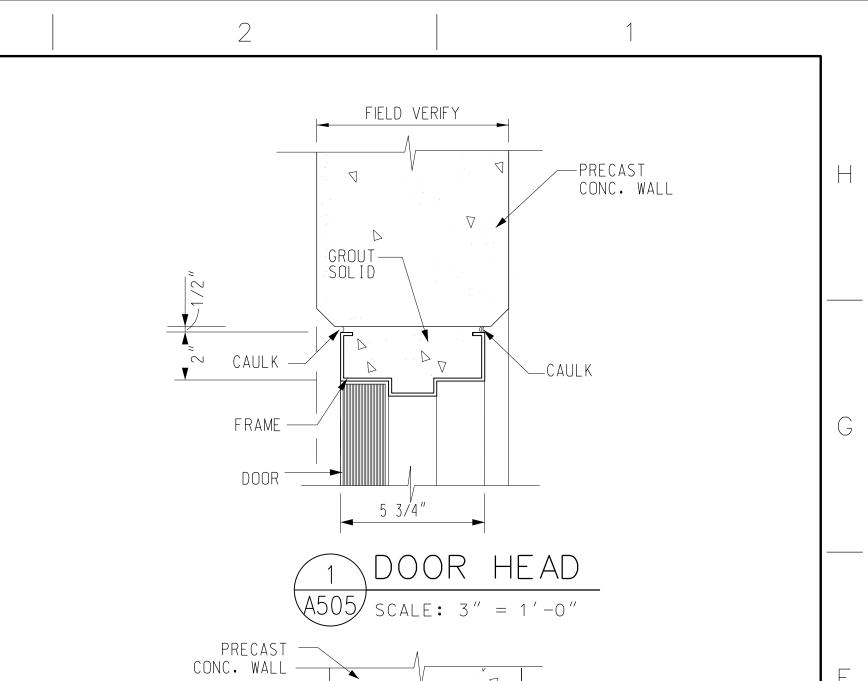


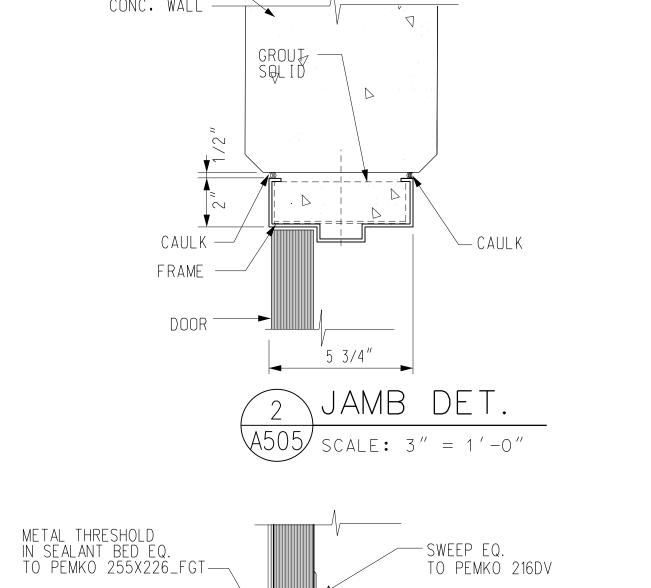
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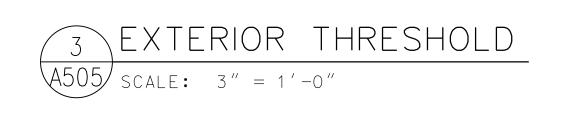
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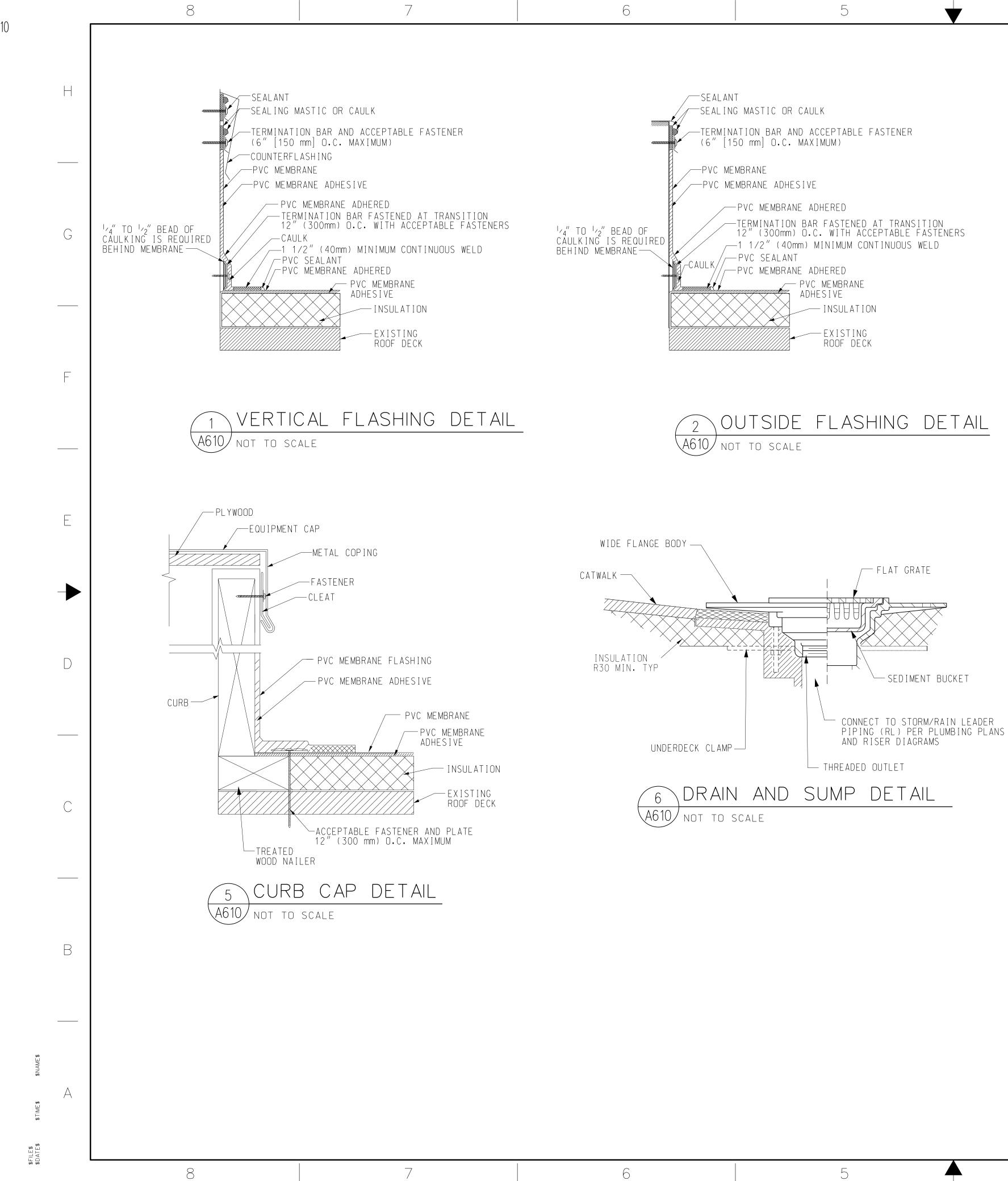


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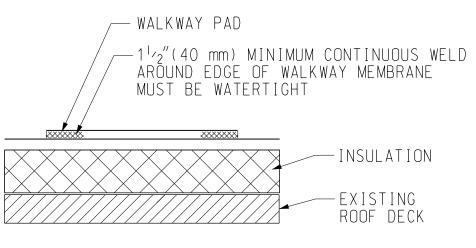
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tlanta, Georgia 30328-6055 78.320.1888			SUBMITTER'S	TITLE	- CIVIL ENGINEER	APPROVER'S	TITLE - M	ANAGER		
vileywilson.com			ESIGNED	GMR	ISSUED BY	DATE JAN 31, 20)20 JCN	1508912		
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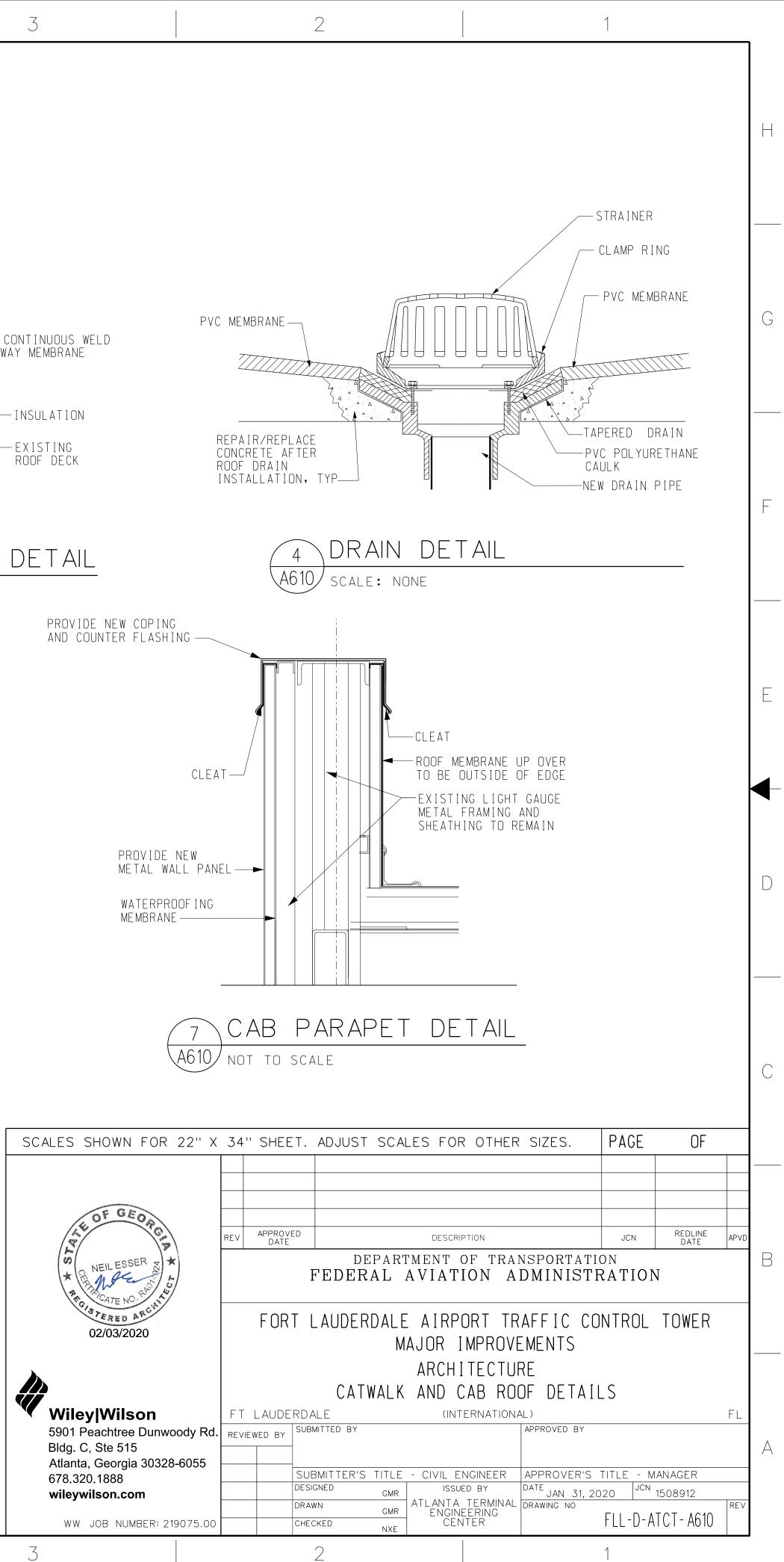


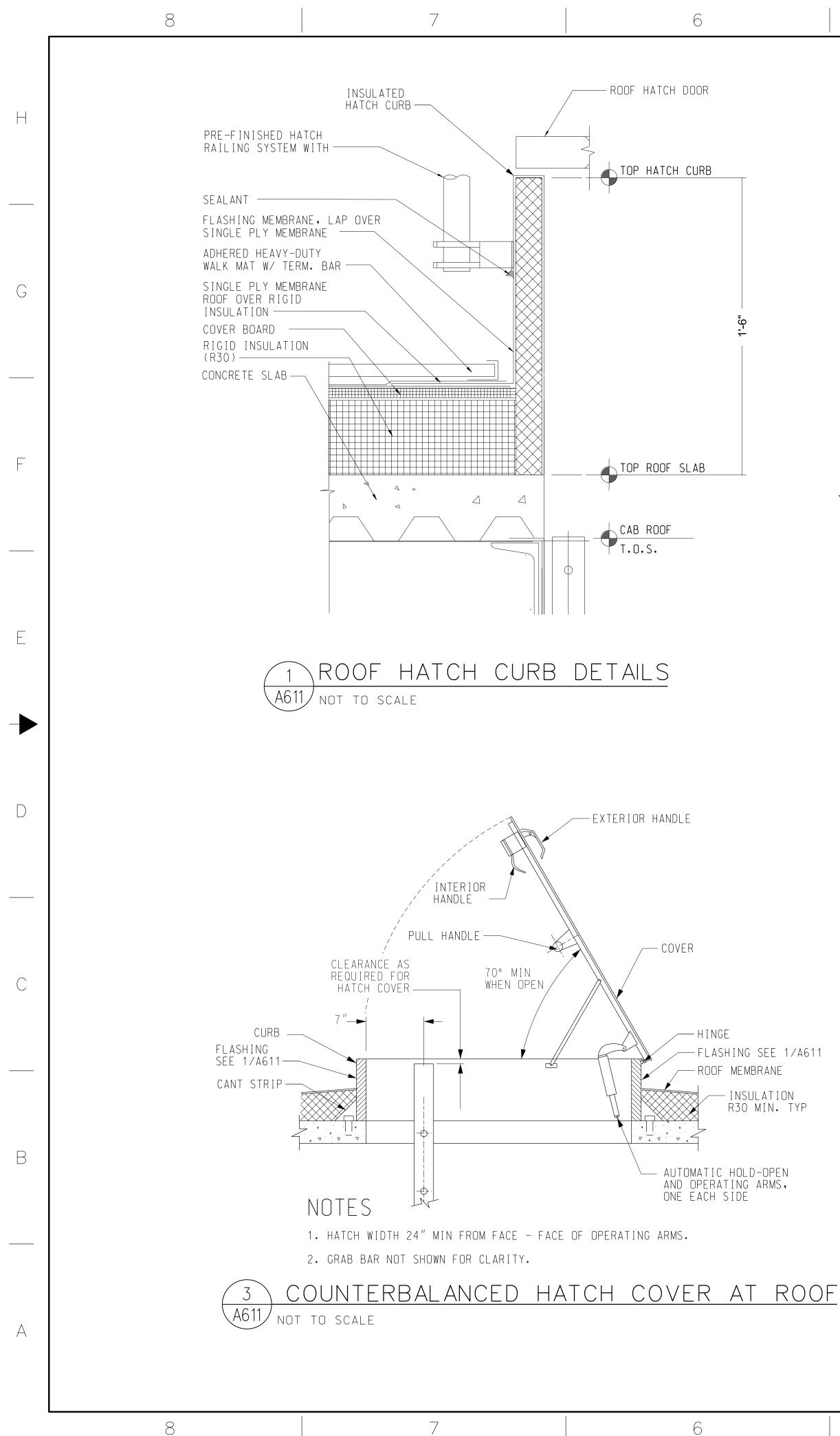
SEALANT SEALING MASTIC OR CAULK
TERMINATION BAR AND ACCEPTABLE FASTENER (6" [150 mm] O.C. MAXIMUM)
TERMINATION BAR FASTENED AT TRANSITION 12" (300mm) O.C. WITH ACCEPTABLE FASTENERS —1 1/2" (40mm) MINIMUM CONTINUOUS WELD — PVC SEALANT — PVC MEMBRANE ADHERED
PVC MEMBRANE
ADHESIVE INSULATION
EXISTING ROOF DECK





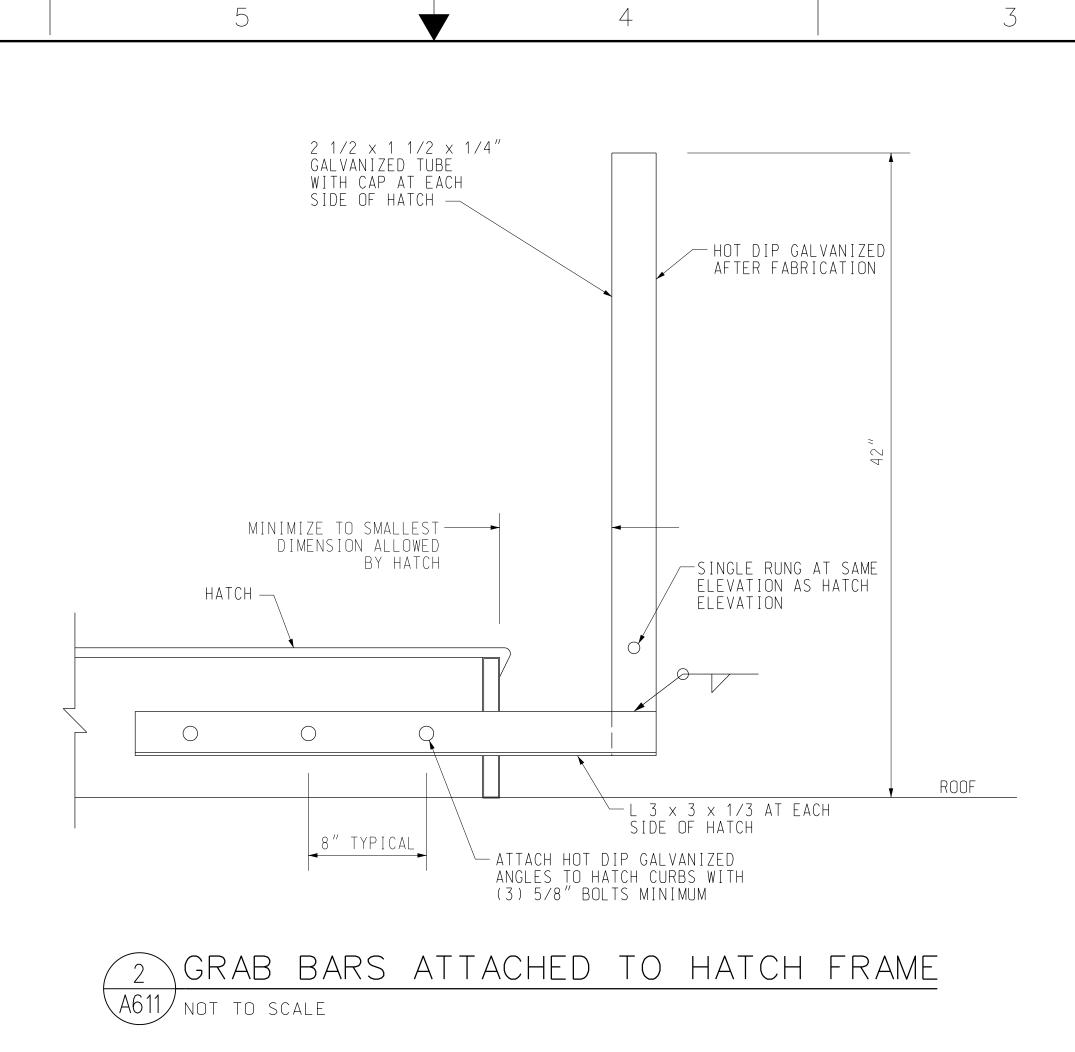






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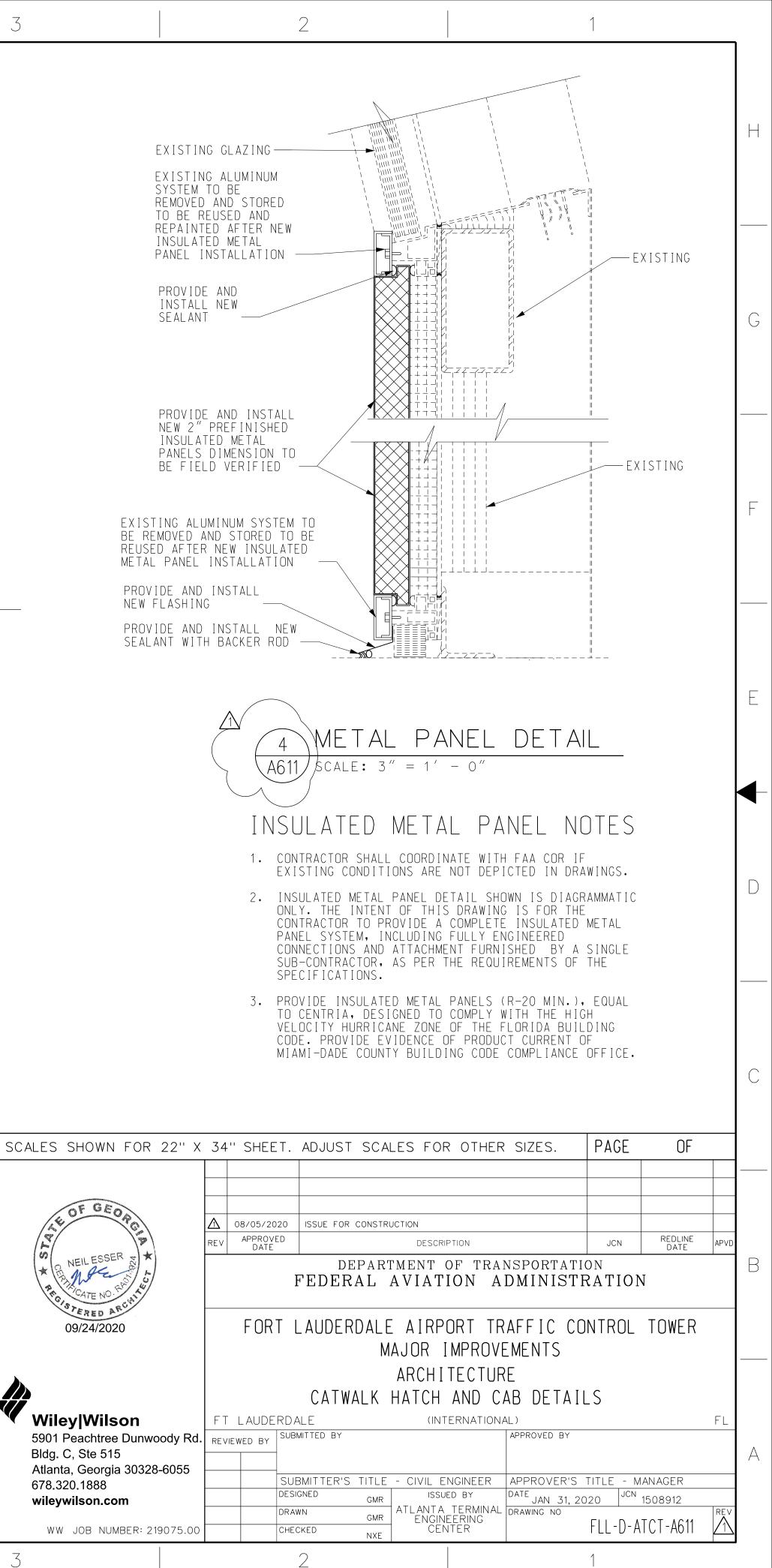
- INSULATION R30 MIN. TYP

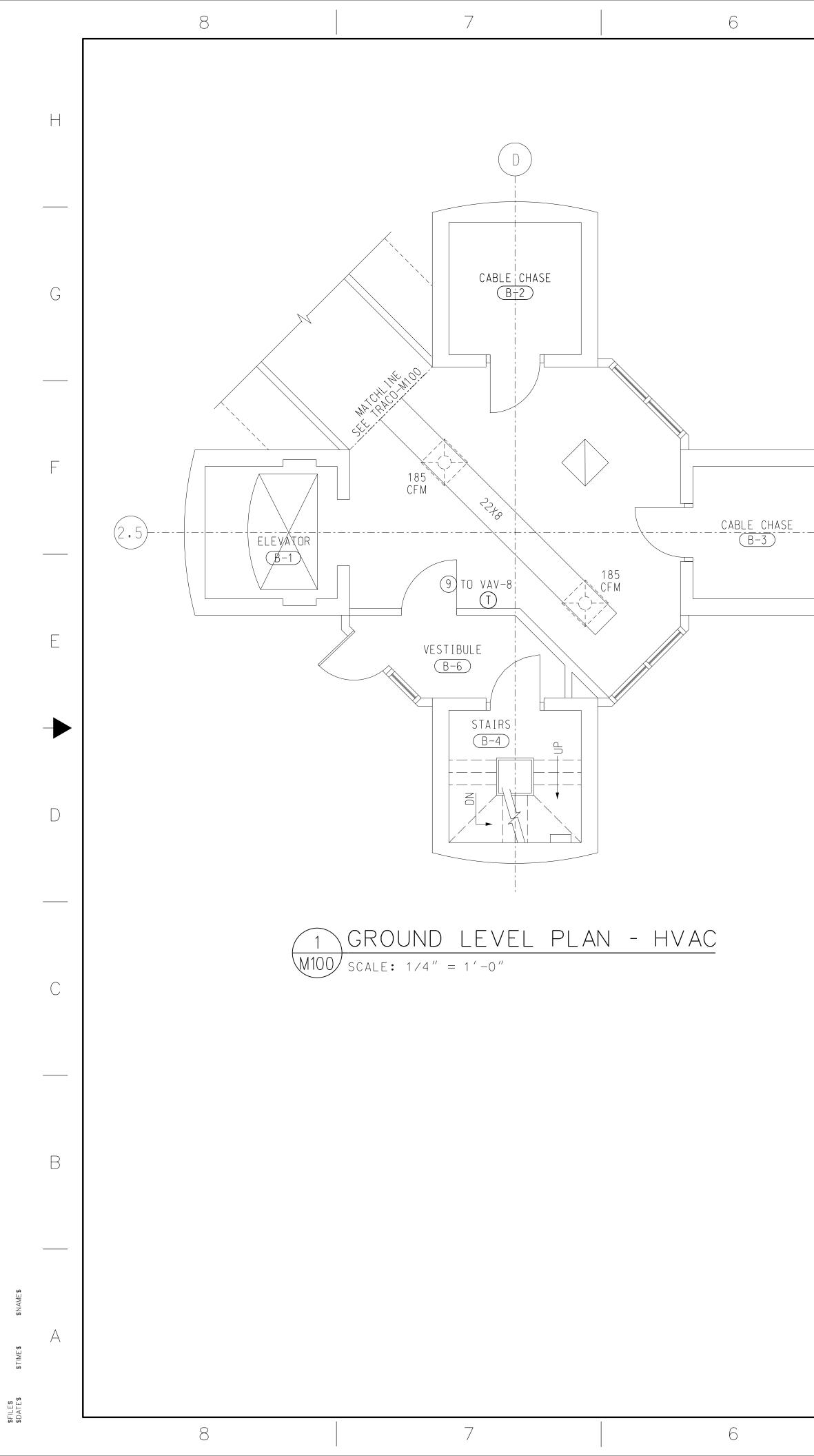
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GEO NEIL ESSER ERED A 09/24/2020 Wiley|Wilson Bldg. C, Ste 515 Atlanta, Georgia 30328-6055 678.320.1888 wileywilson.com

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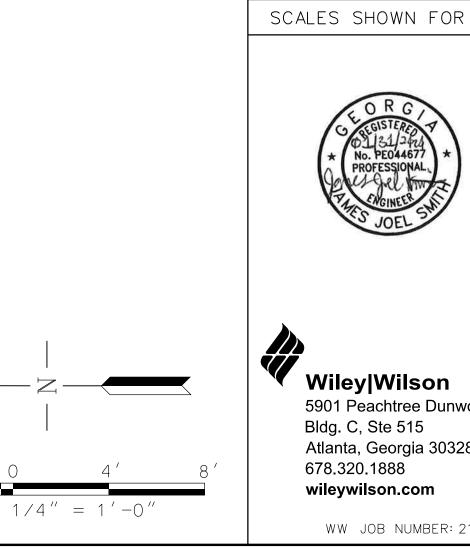
D -17CABLE ACCESS 8— <u>HP-T4</u> (11) 6×6 OA — \ — EXISTING MINI-SPLIT TO REMAIN REFRIG. PIPING <u>(1)(7)</u> <u>AHU-T4B</u> -MVDI -(4)24X10 SA DUCT I EQUIPMENT ROOM SJ2-5 \rightarrow - UP TO SUBJUNCTION LEVEL ONE 1225 CFM MECH. SHAFT (2.5)-╼┹ Ŭ, ELEVATOR LOBBY ELEVATOR (SJ2-6) <1) -(10) 325 CFM -(10) (1)(7) AHU-T4 — STAIRS SJ2-4 9 TO AHU-T4 — <u>HP-T4B</u>

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9 TO AHU-T4B-

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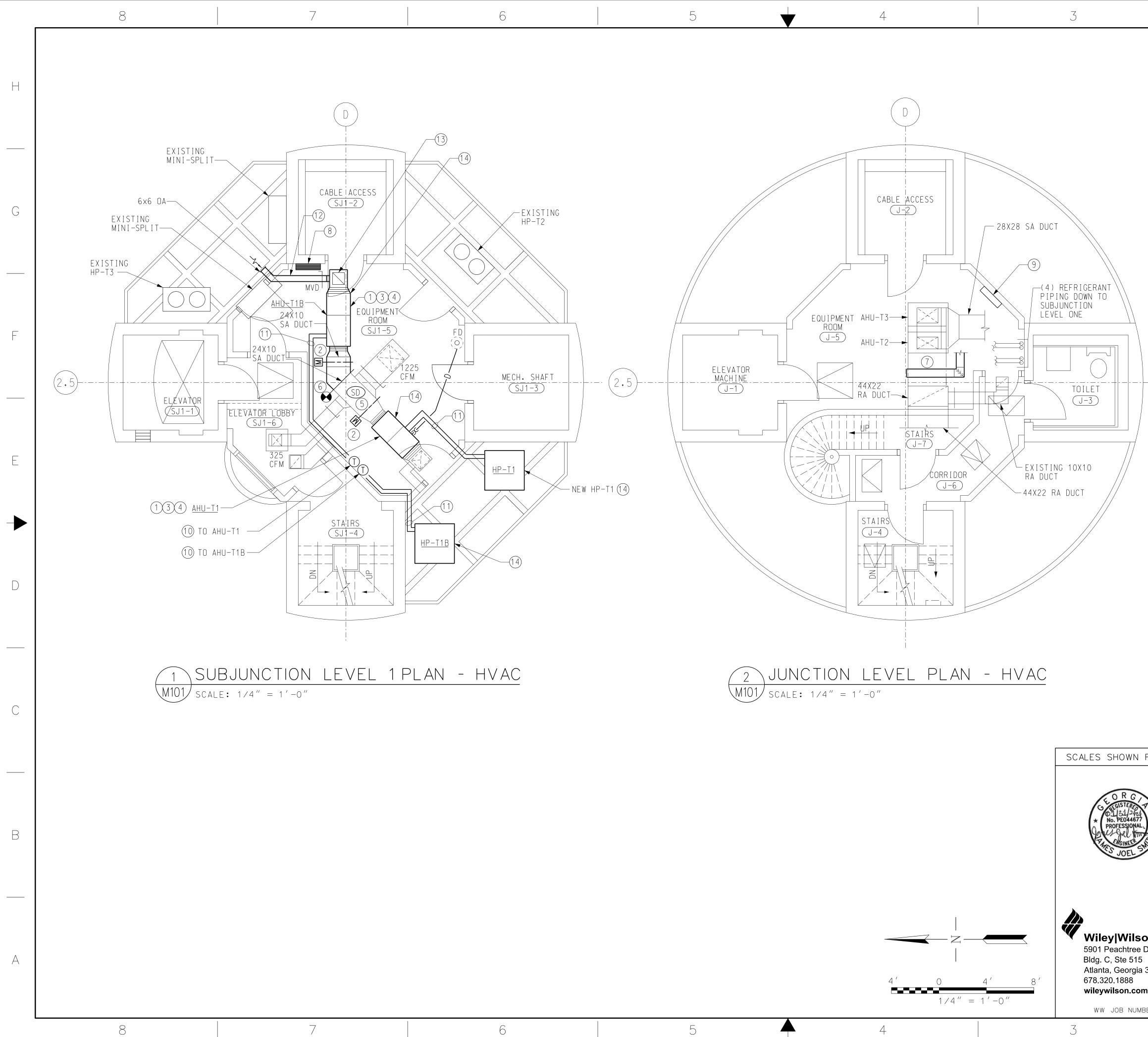
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	SEE CONTROL DRA	WINGS FOR NEW (CONTROLS.			
2	NEW MOTOR-OPERA SEE CONTROLS DI		TH NEW MOTOR ACTU Alls.	ATORS AND (CONTROLS.	
(3)(4)		T, SPLICE AND F	RACO) FOR DUCT I Patch to expand w			
 5 6 7 8 9 10 11 	REMOVE END OF D INSTALL NEW AHU INSTALL NEW DDC INSTALL NEW THE NEW LINESET.	UCT AND FASTEN -T4 AND HP-T4, CONTROL PANEL RMOSTAT TO BE I	OUCT. SEE CONTROL NEW DUCT TO EXIS AHU-T4B AND HP-T FOR UNITS AHU-T4 NTERLOCKED WITH	TING, SEAL 4B. , T4B. New DDC COM	AIR-TIGH ⁻ NTROLS.	
\bigcirc	SHALL BE EQUIPP	ED WITH BIRDSCF	REEN AND BACKFLOW	DAMPER.		_
(12)	INSTALL NEW RET BOD SHALL BE TI		IDENTICAL TO THA 8×18 NECK.	T WHICH IS	EXISTING	
GE	NERAL					
ОЦ А.			NE ON PLANS AND E	EXISTING WO	RK SHOWN	
Β.		L PERFORM AIR	FLOW TEST AND REE	BALANCE ALL	EXISTING	
С.	PROVIDE NEW SPL	_IT SYSTEM (AHU	/HP) WALL MOUNTED ASSOCIATED CONTR			-
D.	WHERE NEW CONNE FIELD VERIFY TH	ECTION TO EXIST HE SIZE AND EXA	ING IS INDICATED CT LOCATION OF TH DUCT AND PIPE SIZ	THE CONTR E EXISTING	WORK AT	LL
E.			L BE INSULATED DO HERWISE NOTED.	DUBLE WALL	DUCT AS	
G.	SEE DRAWING TRA NOTES.	ACO-MOOO FOR HV	AC LEGEND, GENERA	AL NOTES AN	D SPECIAL	
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∠∠ x 34	" SHEET. ADJUS	I SUALES FOR	UIHER SIZES.	PAGE	OF	
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FORT LAUDERDALE AIRPORT TRAFFIC CONTROL TOWER MAJOR IMPROVEMENTS MECHANICAL

GROUND LEVEL AND SUBJUNCTION LEVEL 2 - HVAC

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e Dunwoody Rd. 5	REVIEW	ED BY	SUBMITTED BY			APPROVED BY								
a 30328-6055			-											
			SUBMITTER'S	TITLE	- CIVIL ENGINEER	APPROVER'S TITLE	- MANAGER							
om			DESIGNED	JJS		^{DATE} JAN 31, 2020	^{JCN} 1508912							
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MBER: 219075.00			CHECKED	JJS	CENTER	FLL-	D-ATCT-M100							



	2	1	
NO	TES		
(1)	SEE CONTROL DRAWINGS FOR NEW CON	TROLS.	
2	NEW MOTOR-OPERATED DAMPERS WITH I SEE CONTROLS DIAGRAMS FOR DETAILS		Η
3	SEE DETAILS 2 AND 3 ON DRAWING TH	RACO-M602 FOR INSTALLATION DETAILS.	
4	RELOCATE CONDUIT, SPLICE AND PATO ELECTRICAL FOR DETAILS.	CH TO EXPAND NECESSARY, SEE	
5	NEW SMOKE DETECTOR IN SUPPLY DUC	. SEE CONTROL DRAWINGS FOR DETAILS.	
6	REMOVE DUCT CAP AND MAKE NEW DUC	T TO EXISTING. SEAL AIR TIGHT.	
7	DUCT SHALL BE INSULATED WITH R-8 SPECIFICATIONS. SEAL DUCT CONNECTINSTALL MANUAL VOLUME DAMPER WHEN	TIONS AND FITTINGS AIR-TIGHT.	G
8	INSTALL NEW DDC CONTROL PANEL FOR ELECTRICAL.	R AHU-T1 AND T1B. COORDINATE WITH	
9	INSTALL NEW DDC CONTROL PANEL FOR ELECTRICAL.	R AHU-T2 AND T3, COORDINATE WITH	
(10)	INSTALL NEW THERMOSTAT TO BE INTE CONTROLS.	ERGRATED PROVIDE WITH NEW DDC	
(11)	NEW LINESET.		F
(12)	INSTALL NEW OUTDOOR AIR DUCT ROU EQUIPPED WITH BIRDSCREEN AND BACK	TED TO WALL WITH WALLCAP, WALLCAP KFLOW DAMPER,	·
 (13)	INSTALL NEW RETURN AIR GRILLE IDE TITOS 50F, WITH 18×18 NECK.	ENTICAL TO EXISTING. BOD SHALL BE	
(14)	INSTALL NEW SPLIT SYSTEM, AHU/HP	-T1 AND AHU/HP-T1B.	
GE	ENERAL		
Α.	NEW WORK IS SHOWN AS HEAVY LINE IS LIGHT SOLID LINE.	ON PLANS AND EXISTING WORK SHOWN	E
Β.	CONTRACTOR SHALL PERFORM AIR FL AND NEW AIR DEVICES TO AIR FLOW	OW TEST AND REBALANCE ALL EXISTING V INDICATED.	
С.	WHERE NEW CONNECTION TO EXISTIN SHALL FIELD VERIFY THE SIZE AND WORK AT THE POINT OF CONNECTION MATCH THE EXISTING.) EXACT LOCATION OF THE EXISTING	

D. ALL NEW EXPOSED DUCTWORK SHALL BE INSULATED DOUBLE WALL DUCT AS PER SPECIFICATIONS, UNLESS OTHERWISE NOTED.

E. SEE DRAWING TRACO-MOOO FOR HVAC LEGEND, GENERAL NOTES AND SPECIAL NOTES.

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	AIR HANDLING UNIT (INDUUR)									HEAT PUMP UNIT (UUTDUUR)																			
	AIRF	FLOW		COIL PERFORMANCE ELECTRIC																									
						COOLIN	NG @ 95°F	- AMBIEN	NT		HEA	TING @ 4	7°F	HEAT	ELE	LECTRIC DATA						ELECTRIC D		CTRIC D4	АТА				
MARK SA CF	M OA	CFM	ESP (IN WG)	FAN HP	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	EAT DB (°F)	EAT WB (°F)	BLATF (DB)	LAT F (WB)	CAPACITY, HIGH (MBH)	EAT (°F)	LAT (°F)	κW	VOLTS	РН	ΗZ	LOCATION	MAKE AND MODEL	MARK	MINIMUM SEER	HSPF	VOLTS	РН	ΗZ	UNIT AMPACITY (AMP)	LOCATION	MAKE AND MODEL	REMARKS
AHU-T1 1681	1 1(00	0.7	0.75	54.8	38.5	80	67	58.8	56.7	60.7	70	103	7.2	208	1	60	EQUIPMENT ROOM, SUBJUNCTION ONE	YORK AE60DX21	HP-T1	14	8.2	208	3	60	21.22	PLATFORM, SUBJUNCTION TWO	YORK THE60B315	(1) THRU (18)
AHU-T1B 1681	1 1(00	0.7	0.75	54.8	38.5	80	67	58.8	56.7	60.7	70	103	7.2	208	1	60	EQUIPMENT ROOM, SUBJUNCTION ONE	YORK AE60DX21	HP-T1B	14	8.2	208	3	60	21.22	PLATFORM, SUBJUNCTION TWO	YORK THE60B315	(1) THRU (18)
AHU-T4 1681	1 1(00	0.7	0.75	54.8	38.5	80	67	58.8	56.7	60.7	70	103	7.2	208	1	60	EQUIPMENT ROOM, SUBJUNCTION TWO	YORK AE60DX21	HP-T4	14	8.2	208	3	60	21.22	PLATFORM, SUBJUNCTION TWO	YORK THE60B315	1) THRU (18)
AHU-T4B 1681	1 10	00	0.7	0.75	54.8	38.5	80	67	58.8	56.7	60.7	70	103	7.2	208	1	60	EQUIPMENT ROOM, SUBJUNCTION TWO	YORK AE60DX21	HP-T4B	14	8.2	208	3	60	21.22	PLATFORM, SUBJUNCTION TWO	YORK THE60B315	1 THRU (18)

(1) MAINTAIN MANUFACTURER'S RECOMMEND CLEARANCES FOR SERVICE AND AIRFLOW.

(2) SPLIT SUBMITTAL'S SHALL INCLUDE DATA ON LINESET LENGTH LIMITATIONS AND DE-RATING VALUES THEREIN.

 $\overline{(3)}$ selections shall be based on capacities and not nominal tonnage listed for reference only.

(4) COOLING CAPACITIES BASED ON 95 DEGREE AMBIENT AIR TEMPERATURE, 80 DEGREES DB EAT, AND 67 DEGREES WB EAT. (5) ELECTRIC STRIP HEAT BASED ON SCHEDULED CFM VALUES AND A 13 DEGREE DELTA-T.

(6) HEAT PUMPS SHALL BE PROVIDED WITH NECESSARY KIT AND ACCESSORIES FOR LOW -AMBIENT COOLING OPERATION. (7) mount indoor unit from structure per fema seismic requirements.

(8) PROVIDE FIELD POWERED CONVENIENCE OUTLET.

PROVIDE SMOKE DETECTOR IN FAN COIL UNIT SUPPLY DUCT. SMOKE DETECTOR SHALL BE INTERLOCKED TO FIRE PROTECTION CONTROLS. CONTRACTOR SHALL PROVIDE AND COORDINATE WITH FIRE PROTECTION CONTRACTOR.

10 PROVIDE WITH THERMOSTAT/HUMIDISTAT TO BE INTEGRATED WITH DDC SYSTEM, MOUNT THERMOSTAT MIN, 48" AFF. THERMOSTAT/HUMIDISTAT SHALL BE PASSWORD PROTECTED OR TAMPER-PROOF, SEE CONTROLS DRAWINGS FOR SETTINGS.

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SPLIT SYSTEM HEAT PUMP SCHEDULE

AIR HANDLING LINIT (INDOOR)

(11) PROVIDE THERMOSTATIC EXPANSION VALVE.

(12) PROVIDE WITH CONDENSATE OVERFLOW SWITCH. SWITCH SHALL SHUT DOWN UNIT AND INDICATE ALARM IN DDC. SEE CONTROL DRAWINGS. (13) PROVIDE WITH CONDENSATE PUMP CAPABLE OF 10 FT. HD AND 25 GPH, BOD: LITTLE GIANT VCMA-15UL. (14) PROVIDE SECONDARY CORROSION-RESISTANT DRAIN PAN.

(15) Shop drawings shall include combination ratings.

(16) provide modine electrofin e-coat on condenser and evaporator coils.

(17) PROVIDE NEW DDC CONTROL PANEL PER PLANS. COORDINATE POWER REQUIREMENTS WITH ELECTRICAL AND WITH CONTROLS CONTRACTOR.

(18) provide electrical disconnect. Coordinate with electrical.

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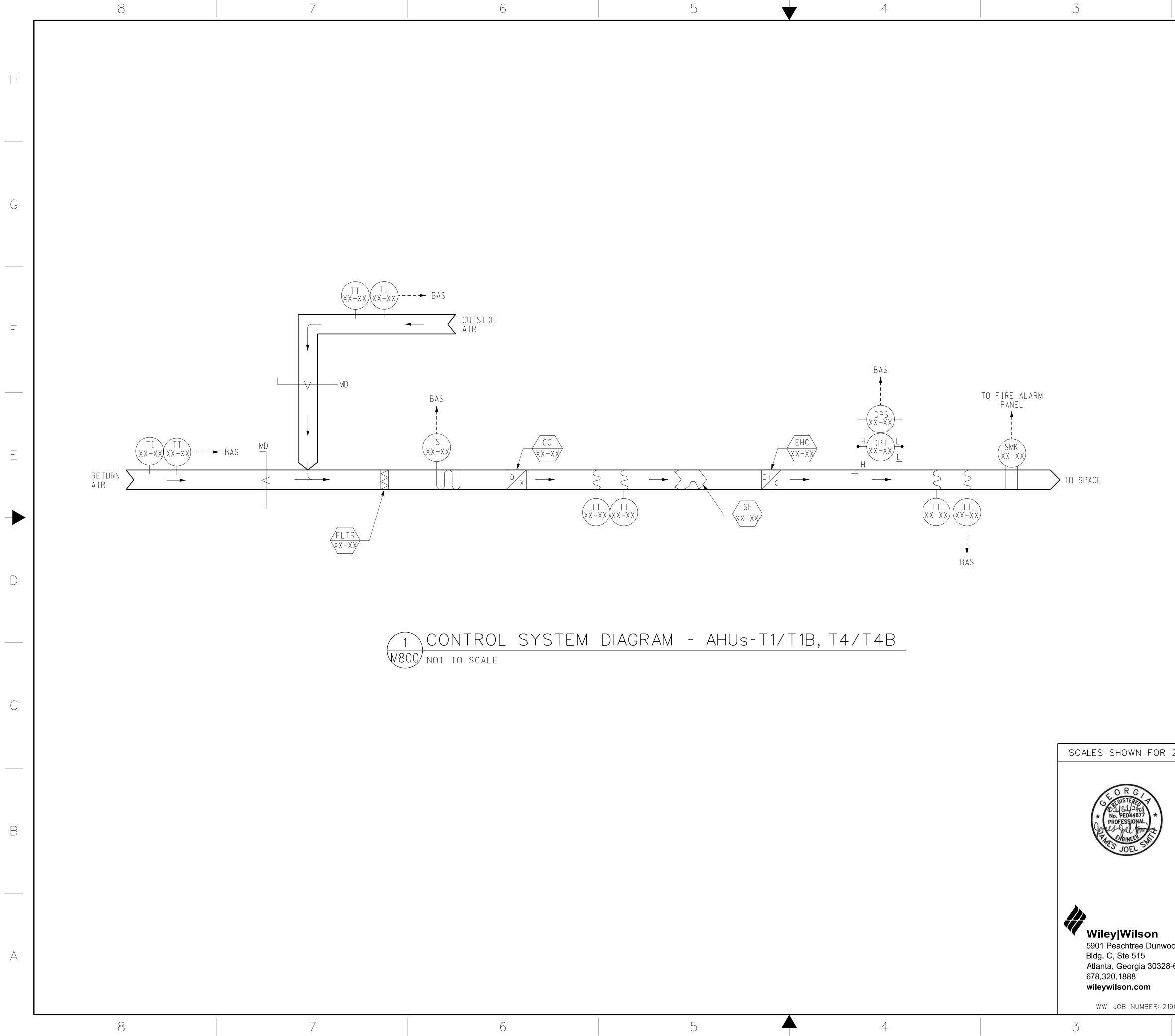


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HEAT PLIMP LINIT (OUTDOOR)

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	3.	INSTRUMENT NUMBER ASSIGNMENTS ARE OMITTED WHEN DIAGRAMS APPLY TO MULTIPLE SYSTEMS/ EQUIPMENT. CONTRACTOR SHALL ASSIGN THEM.	
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	7.4	" SHEET. ADJUST SCALES FOR OTHER SIZES. PAGE OF	С
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woody Rd 28-6055	- RE\	FORT LAUDERDALE AIRPORT TRAFFIC CONTROL TOWER MAJOR IMPROVEMENTS MECHANICAL CONTROL SYSTEM DIAGRAM AHUS-T1/T1B, T4/T4B I LAUDERDALE (INTERNATIONAL) FL VIEWED BY SUBMITTED BY APPROVED BY SUBMITTER'S TITLE - CIVIL ENGINEER APPROVER'S TITLE - MANAGER DESIGNED JJS ISSUED BY ATLANTA TERMINAL DRAWN CRK ATLANTA TERMINAL CHECKED US CENTER DATE JAN 31, 2020 ICN 1508912 DRAWIN CRK ATLANTA TERMINAL CHECKED US CENTER DRAWING NO FLL-D-ATCT- M800	A
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1. SEE DRAWING TRACO-MOOO FOR HVAC LEGEND AND GENERAL NOTES.

2. THE SMOKE DETECTOR AND FIRE ALARM CONTROL MODULES SHALL BE FURNISHED AND INSTALLED BY FIRE ALARM CONTRACTOR.

NOTES

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 A. MULECHARMEN, M. BURICHLAUDES A. MULECHARMEN, M. B. MULECHARMEN, M. B. SUN MALINALINE M. MULECHARMEN, M. MULECHAR						
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 AHU AND ASSOCIATED HP SHALL DE STARTED AND CONTROLED DIRECTLY BY A PANEL YOUNTED FROCESS CONTROL WIT. THE YEAR STALL CONTROL PERATION OF THE FEAT PUPP SUPPLY FAIN, CONDENSING, UNIT, HERE STALL DIRECTOR, LICEN AS MASSURG, DE STALL DIRECTOR, LICEN AS MASSURG, DE STALL DIRECTOR, LICEN AS MASSURG, DE STALL DIRECTOR D		TOWER) SHALL BE CON	NTROLLED AND RUN	STATUS MONITORED VIA	THE DDC SYSTEM. FA	n shall be
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SUPPLY AIR		X															
FILTER																	
SUPPLY FAN								X						X			
CONDENSING UNIT STAGES														X			
REVERSING VALVE														X			
SUPPLEMENTAL HEAT STAGES														X			
OUTSIDE AIR		X															
COMMON RETURN AIR COMMON MIXED AIR		X															
SMOKE DETECTORS	+	X				X											
EXISTING EXHAUST FAN							X							X			
MOTORIZED ISOLATION DAMPER	-					X			X		X						
AUXILIARY HEAT	+					X									X		

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TOWER GENERAL ALARM					Х											
BASE BUILDING GENERAL ALARM					X											
GENERAL TROUBLE					X											
GENERAL SUPERVISORY					Х											

Wiley|Wilson 5901 Peachtree Du Bldg. C, Ste 515 Atlanta, Georgia 30 678.320.1888 wileywilson.com

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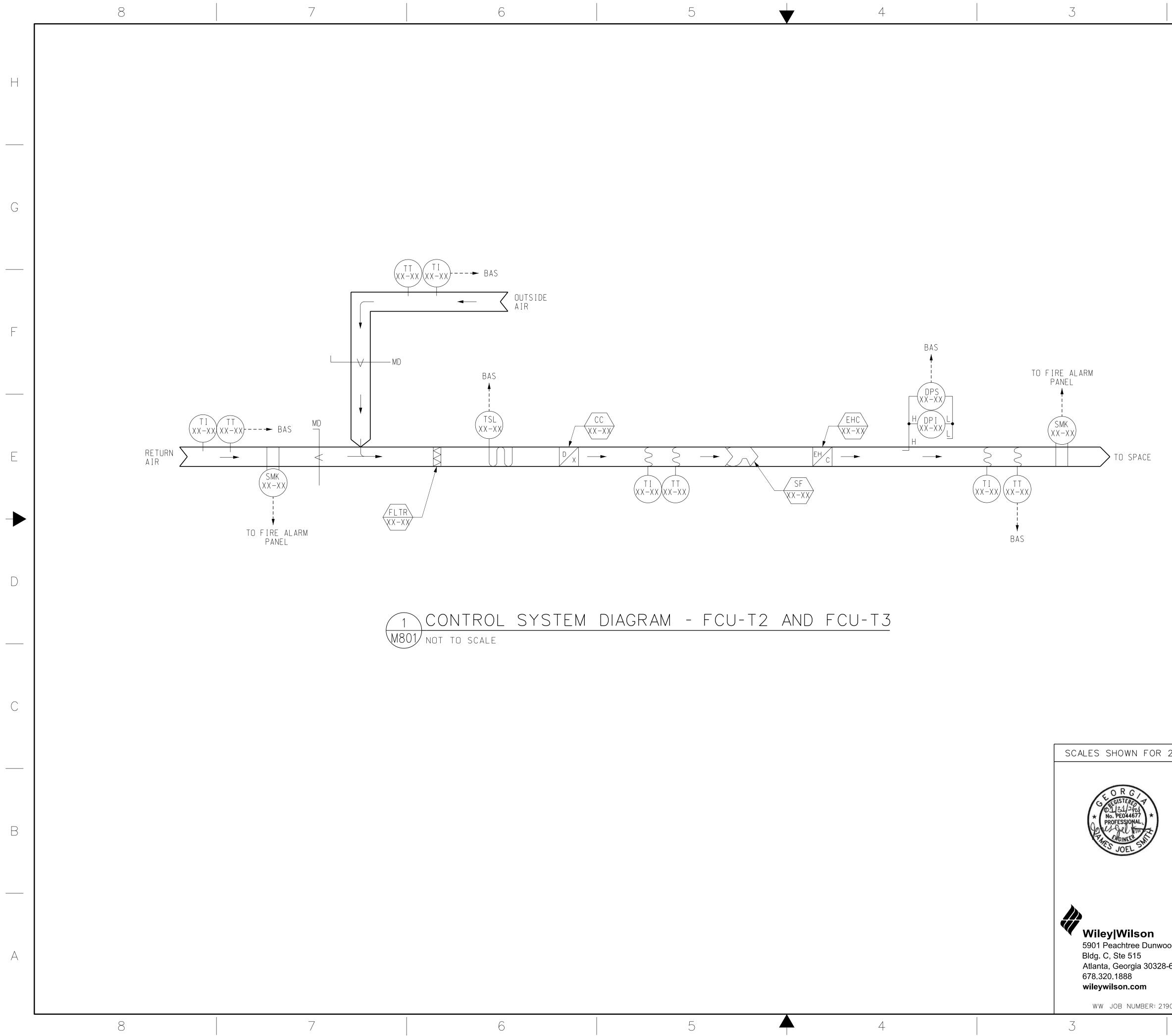
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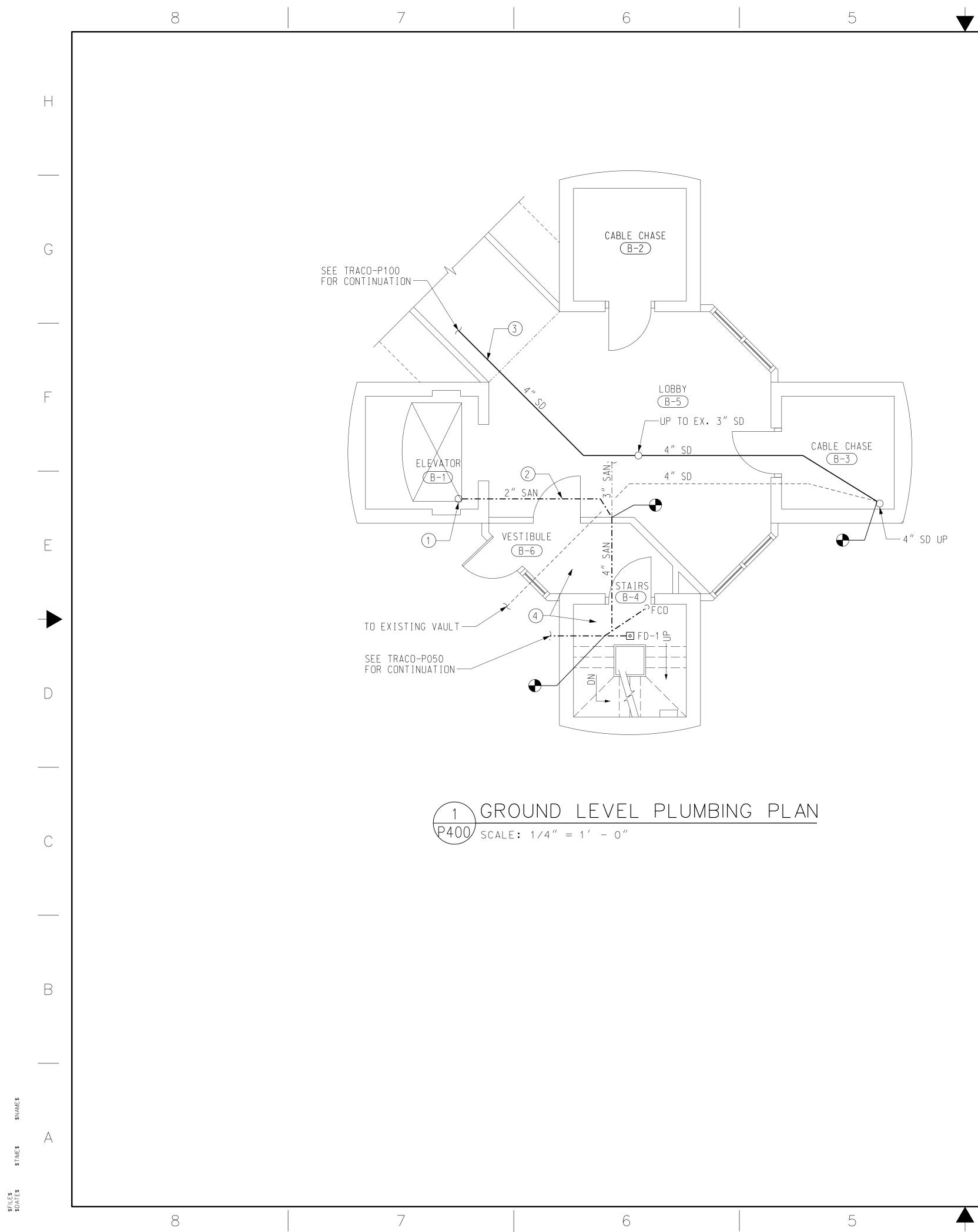


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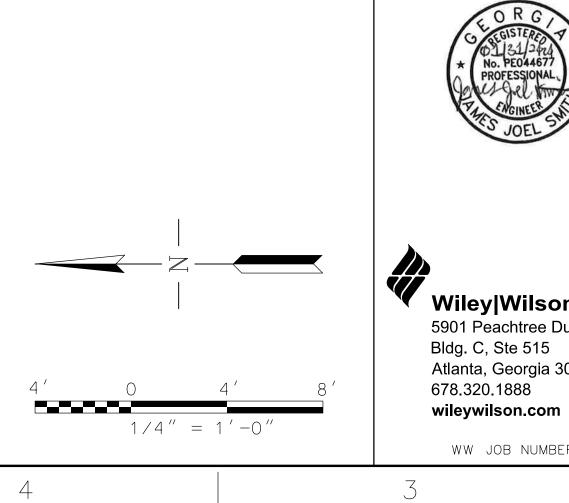
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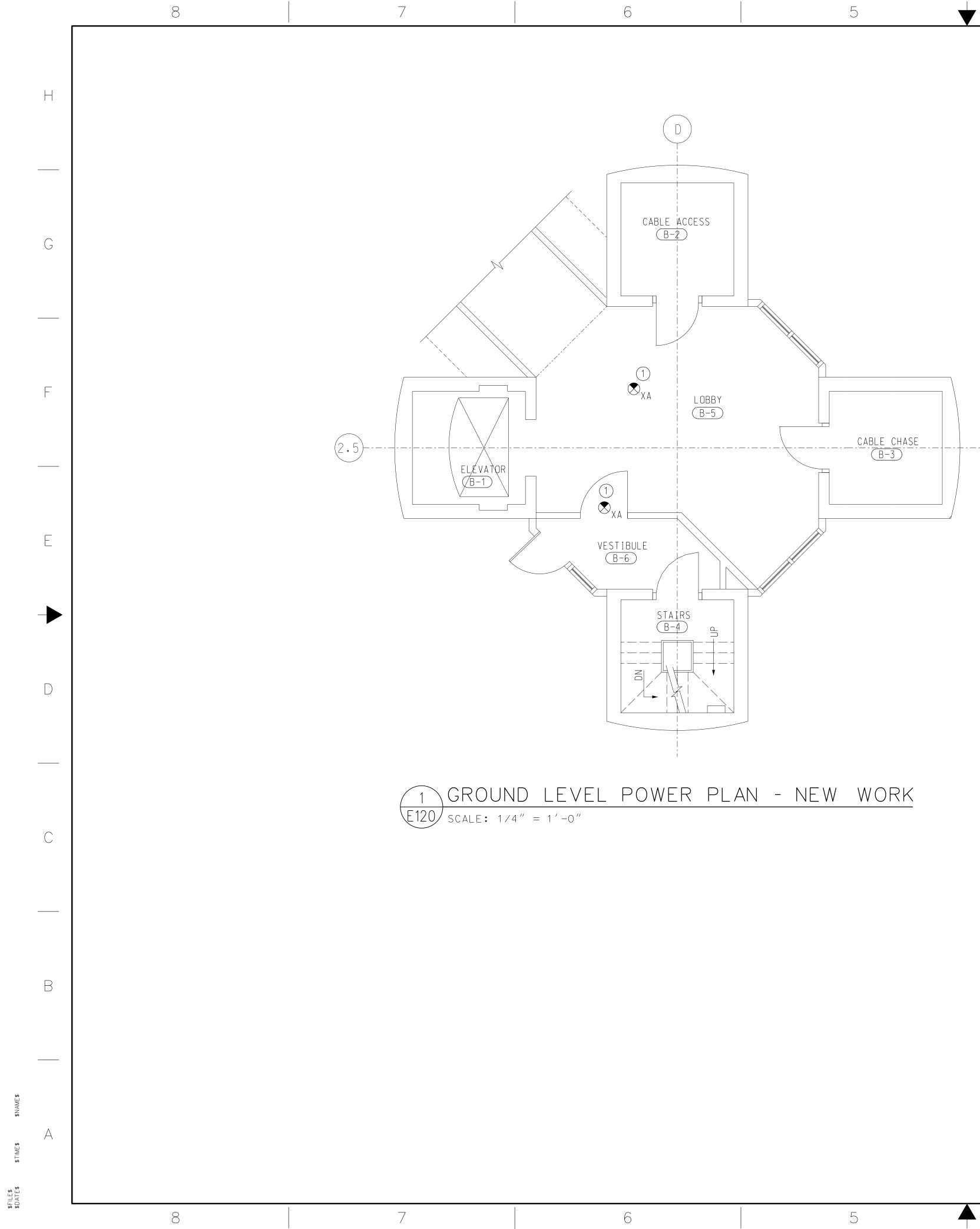
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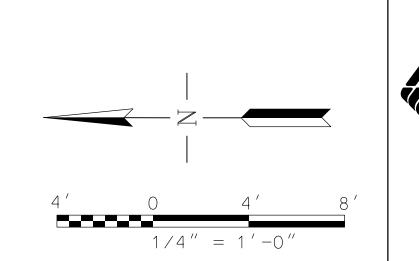
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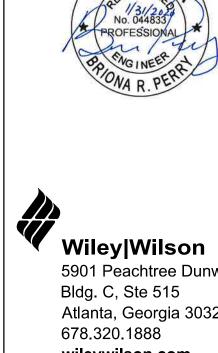
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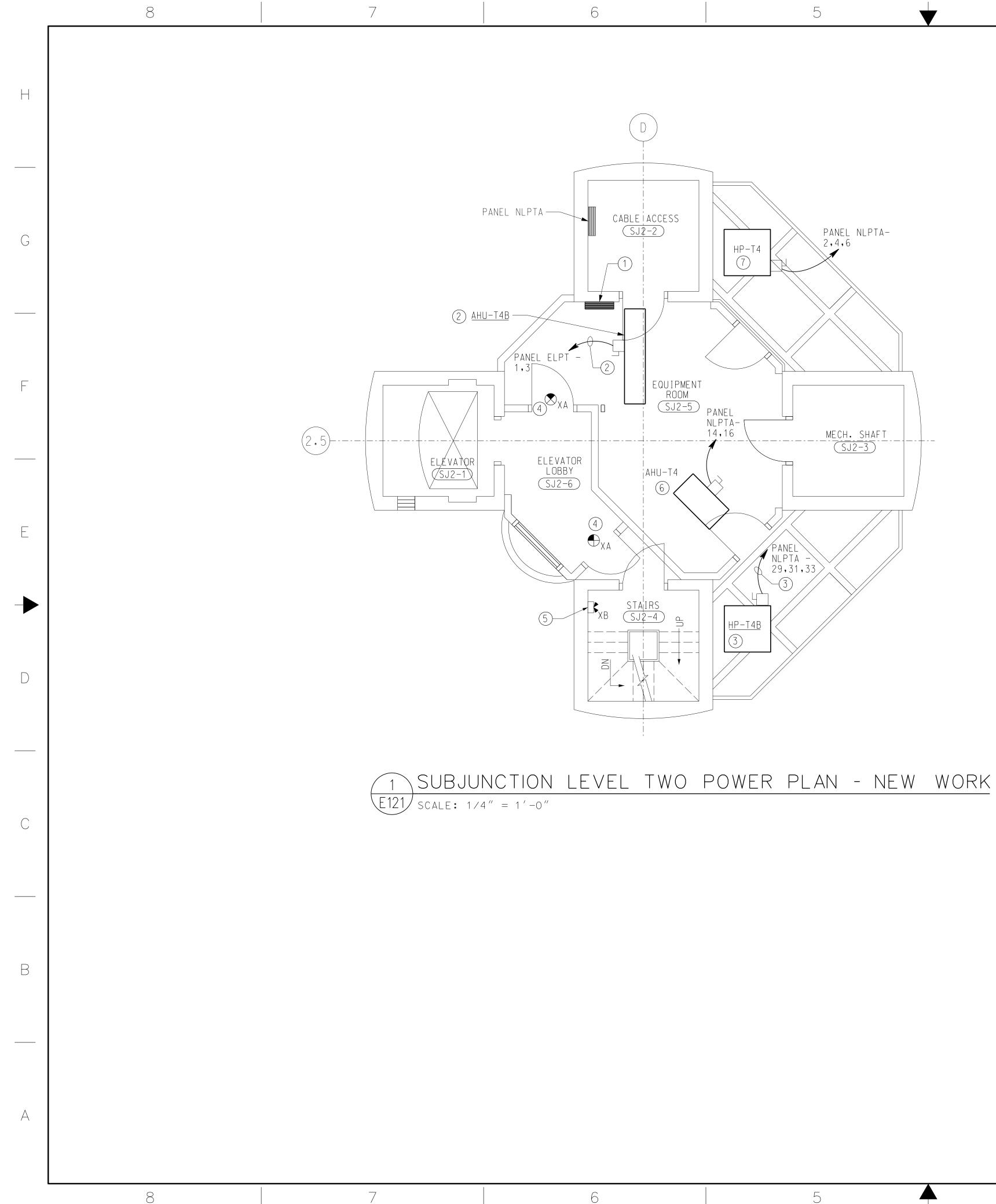


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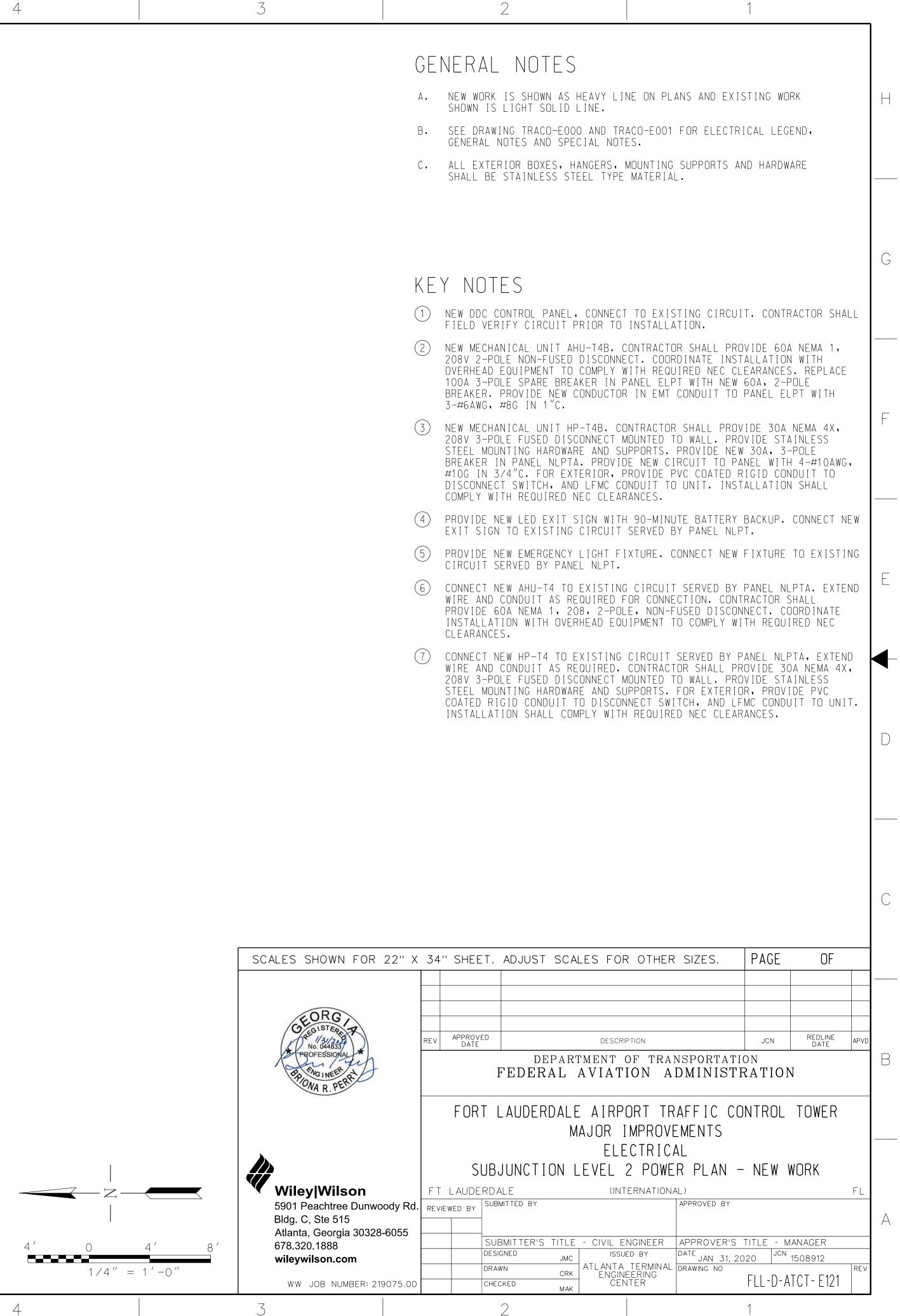
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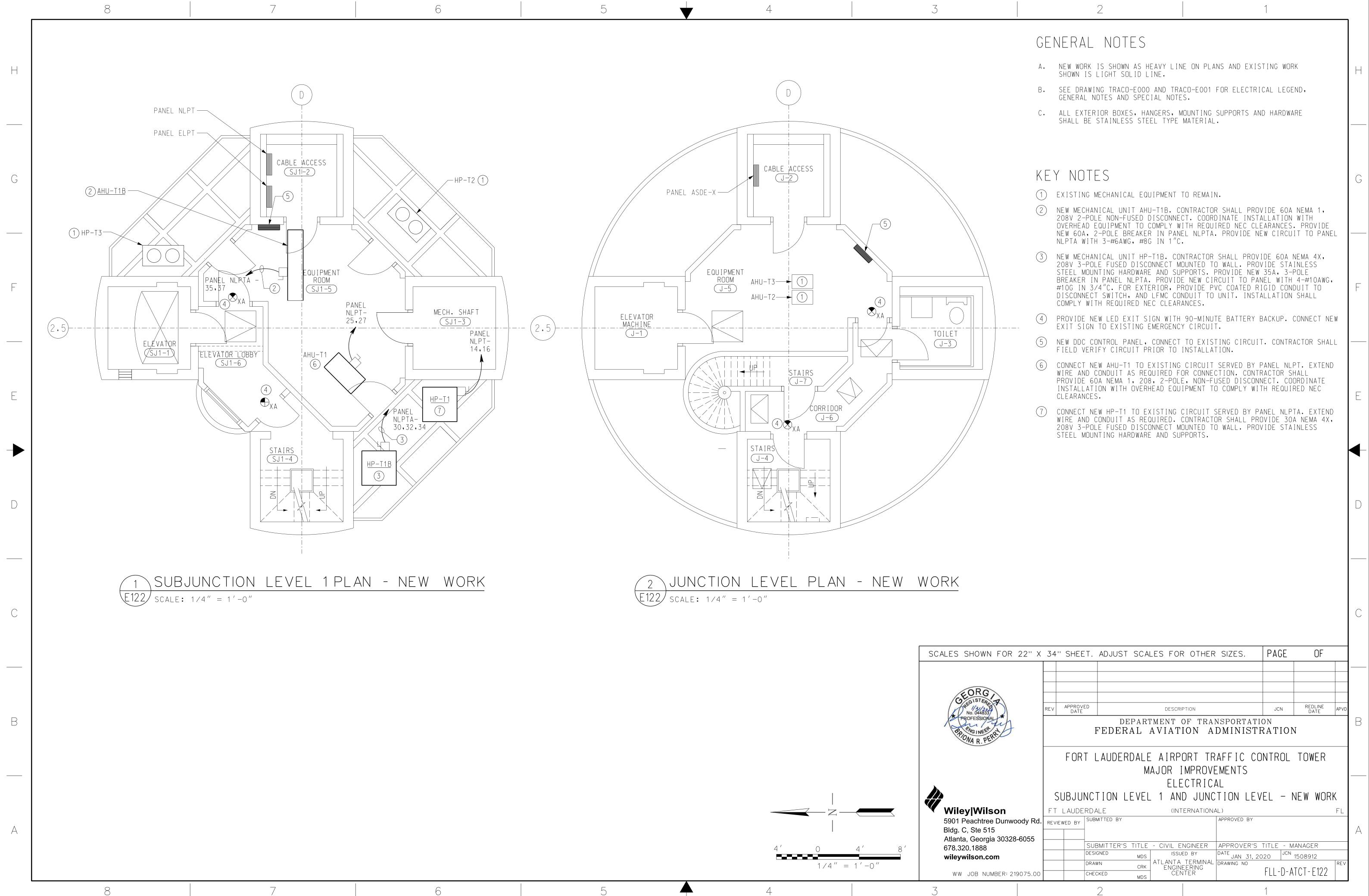


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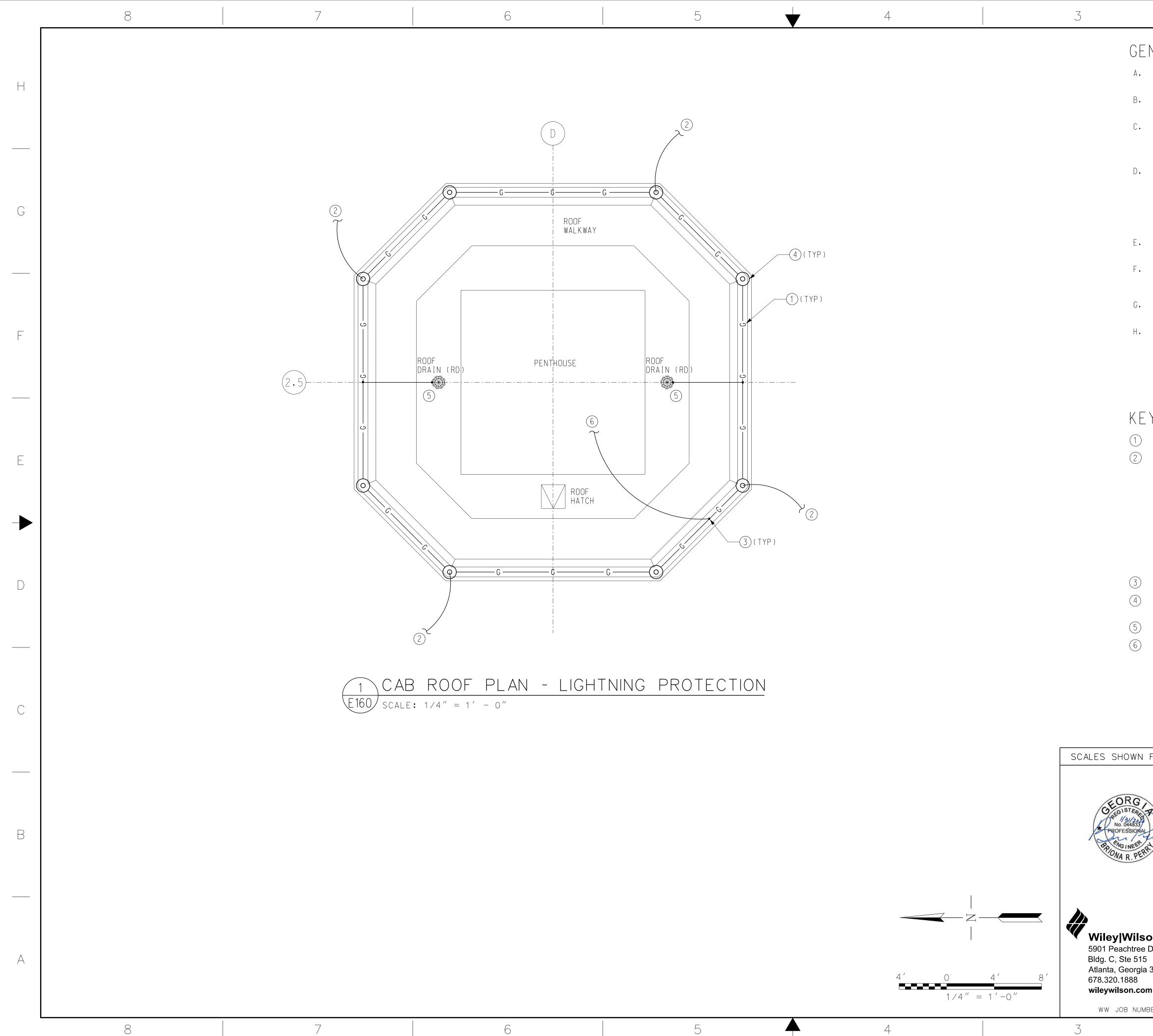








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GENERAL NOTES

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A. SEE DRAWING TRACO-E000 AND TRACO-E001 FOR ELECTRICAL LEGEND, GENERAL NOTES AND SPECIAL NOTES

B. REMOVE EXISTING LIGHTNING PROTECTION ROOF CONDUCTOR AND ACCESORIES TO FACILITATE ROOF REPLACEMENT. ROOF CONDUCTORS AND BONDS TO BE REPLACED.

C. ALL TOWER (ATCT) LIGHTING PROTECTION ROOF CONDUCTOR SHALL BE CLASS II MATERIAL. CONDUCTORS, AIR TERMINALS AND ALL OTHER ACCESSORIES SHALL BE MADE OF COPPER, EXCEPT WHERE DISSIMILAR METALS REQUIRE ALUMINUM. USE BI-METALLIC CONNECTORS AS NEEDED TO CONNECT COPPER AND ALUMINUM MATERIALS.

D. DOWN CONDUCTOR TERMINATIONS TO THE EES SHALL BE EXOTHERMICALLY WELDED TO A 4/O AWG COPPER CONDUCTOR PRIOR TO ENTERING THE GROUND AT NOT LESS THAN 18" ABOVE GRADE. THE 4/O AWG COPPER CONDUCTOR SHALL BE BONDED DIRECTLY TO A GROUND ROD OR ELECTRODE CONDUCTOR IN THE EES (FAA-STD-019F, SECTION 4.3.5.1). DOWN CONDUCTOR CONDUIT SHALL END JUST ABOVE WELDING POINT. PROVIDE AN ACCESSIBLE JUNCTION BOX TO PROTECT WELD.BELOW WELD, BARE CONDUCTOR SHALL RUN INTO THE GROUND TO CONNECT TO COUNTERPOISE.

E. SUPPORT ROOF CONDUCTOR AT A MIN OF EVERY 3' UTILIZING AN ADHESIVE CABLE CLAMP THOMPSON 186X (OR EQUAL).

F. TEST AND CONFIRM THAT EXISTING EES RESISTANCE TO GROUND IS LESS THAN 10 OHMS (FAA-STD-019F, SECTION 4.4.3).

COORDINATE LIGHTNING PROTECTION ATTACHMENT POINT WATERPROOFING WITH ROOF INSTALLATION SUCH THAT FLASHING IS NOT DEFEATED. H. CONSULT WITH A LIGHTNING PROTECTION PROFESSIONAL TO PROVIDE TEMPORARY LIGHTNING PROTECTION PROVISIONS DURING CONSTRUCTION.

KEY NOTES

(1) CLASS II ROOF CONDUCTOR, THOMPSON 506T OR APPROVED EQUAL.

CLASS II DOWN CONDUCTOR. THOMPSON 506T OR APPROVED EQUAL. BOND DOWN CONDUCTOR TO ROOF CONDUCTOR USING MECHANICAL TERMINATIONS PER DETAIL 1, SHEET TRACO-E601. DOWN CONDUCTORS SHALL EXTEND TO GROUND COUNTERPOISE WITHIN PVC CONDUIT. DOWN CONDUCTORS SHALL FOLLOW THE MOST DIRECT DOWNWARD COURSE, WHILE MAIN AND BONDING CONDUCTORS MUST MAINTAIN A DOWNWARD OR HORIZONTAL COURSE WITH NO BEND LESS THAN 90 DEGREES OR BEND RADIUS LESS THAN 8". ROOF AND DOWN CONDUCTORS SHALL BE FASTENED WITH CABLE HOLDER THOMPSON 186X OR APPROVED EQUAL, AT INTERVALS NOT MORE THAN 3'-O" AND SHALL BE THE SAME MATERIAL AS THE CONDUCTOR. BONDING DEVICES, CONDUCTOR SPLICES, CONDUCTOR ATTACHMENTS, AND CONNECTORS SHALL BE SUITABLE FOR USE WITH THE INSTALLED CONDUCTOR. WHERE DOWN CONDUCTOR ENCOUNTER CANOPY, ROUTE DOWN CONDUCTOR THROUGH 1" PVC SLEEVE. BOND CANOPY TO DOWN CONDUCTORS USING EXOTHERMIC WELD. BOND ALL METALLIC OBJECTS WITHIN 6' OF DOWN CONDUCTORS TO DOWN OR ROOF GROUNDING LOOP TO THE LIGHTINING PROTECTION SYSTEM WITH EXOTHERMIC WELD.

(3) BONDING CONNECTION. SEE BONDING AND SPLICING DETAIL 1, SHEET TRACO-E601.

24" BLUNT-TIPPED AIR TERMINAL. TERMINAL SHALL BE MOUNTED TO PARAPET WALL PER DETAIL 2, SHEET TRACO-E601.

(5) BOND ROOF CONDUCTOR TO ALL ROOF DRAINS PER DETAIL 1, SHEET TRACO-E600.

BONDING JUMPER TO EXISTING ANTENNA EQUIPMENT ON PENTHOUSE. UTIILIZE CONDUIT GROUND CLAMP PER DETAIL 5, SHEET TRACO-E600.

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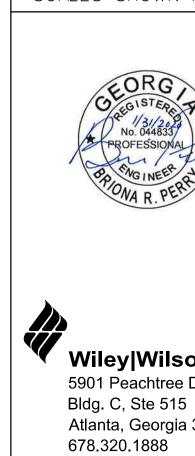
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			Р	ANEL	SCHE	EDUL	E (E)	KISTI	NG)					C I P A	RCUIT BREAKERS AND SPACES AN NELS SHALL BE FIELD VERIFIED	AILABLE IN EXIS	STING	
	DESIGNATION: FED FROM: I LOCATION: 0	MDPE	SS SJ1-2							Main: Perage: Oltage:	225 225 120/208		в.	VER CI DR	NEW CONSTRUCTION. IFY ALL CIRCUITS ON EXISTING RCUITING AS REQUIRED TO MEET AWINGS. FOR ANY VACATED CIRC RING BACK TO PANEL, TURN BRE	DESIGN INTENT UITS, REMOVE CO	ON Induit and	
-	Branch Circuit		kVA Loads	Trip /	Ckt.	Phase	Ckt.	Trip /		kVA Loads	EXIST.	Branch Circuit	-		EAKER AS 'SPARE'.	AKER UFF, AND M	ЛАПЛ	
(1)	Load Description AHU-T4B	A 5.38	B C	Poles 60/2	No.	A	No. 2	Poles 35/3	A	В	С	Load Description AHU-T3	C.		OVIDE NEW TYPEWRITTEN PANELE DICATE ACTUAL CIRCUITS USED,			
	SPACE		5.38		3	B C	4						-		RK.			
	HP-T2			70/3	7	A	8	70/3				HP-T3	D.		NTRACTOR SHALL REUSE EXISTIN EXISTING BREAKERS THAT HAVE			
-					9 11	B C	10 12						_	FO	LLOWING DEMOLITION. PROVIDE Th type, voltage rating, and	NEW BREAKERS AS	s required	
-	AHU-T2			35/3	13 15	A B	14 16	20/1				RCPT SUP CONSL SPACE	-	ΕX	ISTING BREAKER.			
-				00/4	17	С	18	20/1				EXHAUST FAN EF-4	_					
-	NORTH DISPLAY SOUTH BRITE			20/1 20/1	19 21	A B	20 22	20/1 20/1				HEATER AHU-3 HEATER AHU-3	_					
H	BCAD CCTV CYPHERLOCK SYSTEM			20/1	23 25	C A	24 26	20/1 20/1				9TH FLR A/COND 10TH FLR A/COND	_					
	FLOOR OUTLETS			20/1	27	В	28	20/1				ELEVATOR MECH RM RCPT	_					
H	OBSTRUCTION LIGHT CAB LIGHTS			20/1 20/1	29 31	C A	30 32	20/1 20/1				ELEVATOR LIGHTS CABLE ACCESS LIGHT	_					
-	CAB LIGHTS CAB LIGHTS			20/1 20/1	33 35	B C	34 36	20/1 20/1				STAIR LIGHTS CAB A/C PANEL		ΕV	NOTES:			
	TRAFFIC GUN LIGHT NORTH			20/1	37	A	38	20/1				9TH FLR LIGHTS						
F	TRAFFIC GUN LIGHT SOUTH ELEVATOR SHAFT LIGHTS			20/1 20/1	39 41	B C	40 42	20/1 20/1				ELEVATOR MECH RM RCPT FIRE DAMPER		RE	PLACE EXISTING 100A 3-POLE S POLE BREAKER, TO BE REPURPOS	PARE BREAKER WI	TH NEW 60A	
		5.38	5.38		<< PHA	SE SUB-T OT	FALS >>]		Z	TUEL DILAKEN, TU DE NETUNIUS	LU FUN ANU 140.		
			PHASE TOT A		ase A .38	Pha 5.3		Ph	ase C	kva								
-	LOADS	SUMMARY (KVA)				1				-								
=	LOAD TYPE	CONNECTED	DEMAND															
	Lighting Receptacles			_		10.76	kVA - TO	TAL CONN	ECTED LOA	٨D								
	UPS Receptacles Racks					8.61	kVA - TO	TAL DEMA	ND LOAD			PROVIDE THE FOLLOWING:	_					
_	Equipment: Continuous			_		23.89	AMPS - D	DEMAND					_					
L	Equipment: Non-Continuous Kitchen			_									_					
	Mechanical: Concurrent Mech: Non-Concurrent	10.76	8.61															
ŝ	Supplimental AC	40 70											_					
L	TOTALS (KVA)	10.76	8.61															
											SCAL	ES SHOWN FOR 22" X	34" SHEET.	ADJL	JST SCALES FOR OTHER SIZ	zes. PAGE	OF	
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											,	GREGISTERE T	REV APPROVED		DESCRIPTION	JCN	REDLINE DATE	APV
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												BR FNGINEER RT]	FED	ERAL AVIATION ADM	INISTRATIO	N	
													FORT I	LAUC	DERDALE AIRPORT TRAFF MAJOR IMPROVEME ELECTRICAL PANEL SCHEDULE	NTS	TOWER	
												Viley Wilson	FT LAUDERDA	ALE BMITTED	(INTERNATIONAL)	OVED BY		FL
											Bl	901 Peachtree Dunwoody Rd. dg. C, Ste 515	REVIEWED BY	SwartÉU				
												llanta, Georgia 30328-6055 78.320.1888				ROVER'S TITLE - N		
												ileywilson.com	DESI DRAV	SIGNED	JMC ISSUED BY DATE	ING NO	1508912	RE۱
												WW JOB NUMBER: 219075.00		CKED	JMC ATLANTA TERMINAL DRAW ENGINEERING MRK	FLL-D-A	ATCT-E500	-



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				PA	NEL S	SCHI	EDUL	E (E)	(ISTII	NG)				
	DESIGNATION	: NLPTA									MAIN		CHARACTERISTICS	B PHAS
	FED FROM LOCATION	I: MDPN I: CABLE ACCE	SS SJ2-	2								: 120/208	VOLTS 100%	
	Branch Circuit		kVA Loads		Trip /	Ckt.		Ckt.	Trip /		AIC kVA Loads	EXIST.		h Circuit
	Load Description	A	В	С	Poles	No.	Phase	No.	Poles	Α	В	С	Load De	escriptio
	HP-T1				30/3	1	A	2	30/3				HP-T4	
						3 5	B C	4						
	A/H				30/2	7	A	8	20/2				ASDE	
						9	В	10						
	SPARE				20/1	11	С	12	20/1				RECEPACLE	
	ASDE-X				20/1	13	A	14	60/2	5.38			AHU-T4	
	ASDE-X ASDE-X				20/1 20/1	15 17	B C	16 18	20/1		5.38		SPARE	
	ASDE-X				20/1	19	A	20	20/1				SPARE	
	SPARE				20/1	21	В	22	20/1				SPARE	
	SPARE				20/1	23	С	24	20/1				SPARE	-
	SPARE				20/1	25	A	26	20/1				SPARE	
(1)	SPARE HP-T4B			2.55	20/1 35/3	27 29	B C	28 30	20/1 35/3			2.55	SPARE	
\bigcirc		2.55		2.35	33/3	31	A	32	55/5	2.55		2.33		
_			2.55			33	В	34			2.55			
(1)	AHU-T1B			5.38	60/2	35	С	36					SPACE	
		5.38				37	A	38					SPACE	
	SPACE SPACE					39 41	B C	40 42					SPACE SPACE	
								12					OFRE	
		7.93	2.55	7.93		<< PH/	SE SUB-TO	TALS >>		7.93	7.93	2.55]	
					Dha	se A	Dha	se B	Dha	ase C				
			PHAS	ETOTALS:	1	.85	1	.47	1	.47	kVA			
	LOAD TYPE													
	Lighting	CONNECTED		IAND										
	Receptacles						36.80	kVA - TO	TAL CONNE	ECTED LO	AD			
	Receptacles						29.44	kVA - TO	tal demai	ND LOAD			PROVIDE TH	e foll
	Racks					[1						
	Equipment: Continuous Equipment: Non-Continuous						81.71	AMPS - D	EMAND					
	Kitchen													
	Mechanical: Concurrent	36.80	29	.44										
	Mech: Non-Concurrent													
	Supplimental AC													
	TOTALS (kV/	A) 36.80	29	.44										

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В

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PHASE WIRE + GROUND NEUTRAL SURFACE	
Circuit scription	
	-(1)
FOLLOWING:	

		PA	NEL	SCHE	EDUL	E (E)	KISTII	NG)			
DESIGNATION:										PANEL C	HARACTERISTICS
FED FROM:	CRITICAL MAI									100	
Branch Circuit		kVA Loads	Trip /	Ckt.	Phase	Ckt.	Trip /		kVA Loads		Branch Circuit
Load Description	A	ВС	Poles	No.		No.	Poles	A	В	С	Load Description
RT #1			15/1	1	A	2	15/1				COMPRESSOR/DEHYDRATOR
SMR XCVR #1			30/1	3	В	4	30/1				SMR XCVR #2
RDP #1			30/1	5	С	6	30/1				RDP #2
DP #1			30/1	7	А	8	30/1				DP #2
PC #1			30/1	9	В	10	30/1				PC #2
COMM#1			30/1	11	С	12	30/1				COMM#2
RMS #1			30/1	13	A	14	30/1				RMS #2
RMS WORKSTATION			20/1	15	В	16	20/1				SPARE
SPARE			20/1	17	С	18	20/1				SPARE
CU-4			30/3	19	A	20	50/3				TVSS
				21	В	22					
				23	С	24					
				25	A	26					
				27	В	28					
				29	C	30					
				31	A	32					
				33	В	34					
				35	C B	36					
				37		38					
					A						
				39	В	40					
				41	С	42					
				<< PH/	SE SUB-T O	TALS >>					
			Pha	se A	Pha	ise B	Pha	ise C			
		PHASE TOTALS:							kVA		
					1				1		
LOAD	SUMMARY (KVA)										
LOAD T YPE	CONNECTED	DEMAND									
ighting											
Receptacles						kVA - TO	TAL CONNE	ECTED LOA	D		
Receptacles						kVA - TO		ND LOAD			PROVIDE THE FOLLOWING:
UPS Racks					Ţ						
quipment: Continuous					AMPS - [DEMAND					
quipment: Non-Continuous											
litchen											
/lechanical: Concurrent											
/lech: Non-Concurrent											
Supplimental AC											
TOTALS (kVA)											
		1	1								



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GENERAL NOTES:

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A. CIRCUIT ASSIGNMENTS TO NEW AND EXISTING LOADS ARE USED FOR REFERENCE ONLY. ACTUAL CIRCUIT ASSIGNMENT OF EXISTING LOADS AND AVAILABILITY OF ACTUAL SPARE CIRCUIT BREAKERS AND SPACES AVAILABLE IN EXISTING PANELS SHALL BE FIELD VERIFIED PRIOR TO THE BEGINNING OF NEW CONSTRUCTION.

1

- B. VERIFY ALL CIRCUITS ON EXISTING PANELS. ADJUST CIRCUITING AS REQUIRED TO MEET DESIGN INTENT ON DRAWINGS. FOR ANY VACATED CIRCUITS, REMOVE CONDUIT AND WIRING BACK TO PANEL, TURN BREAKER OFF, AND MARK BREAKER AS 'SPARE'.
- C. PROVIDE NEW TYPEWRITTEN PANELBOARD DIRECTORY TO INDICATE ACTUAL CIRCUITS USED, UPON COMPLETION OF WORK.
- D. CONTRACTOR SHALL REUSE EXISTING SPARE CIRCUIT BREAKERS OR EXISTING BREAKERS THAT HAVE BECOME AVAILABLE FOLLOWING DEMOLITION. PROVIDE NEW BREAKERS AS REQUIRED WITH TYPE, VOLTAGE RATING, AND AIC RATING MATCHING THE EXISTING BREAKER.

KEY NOTES:

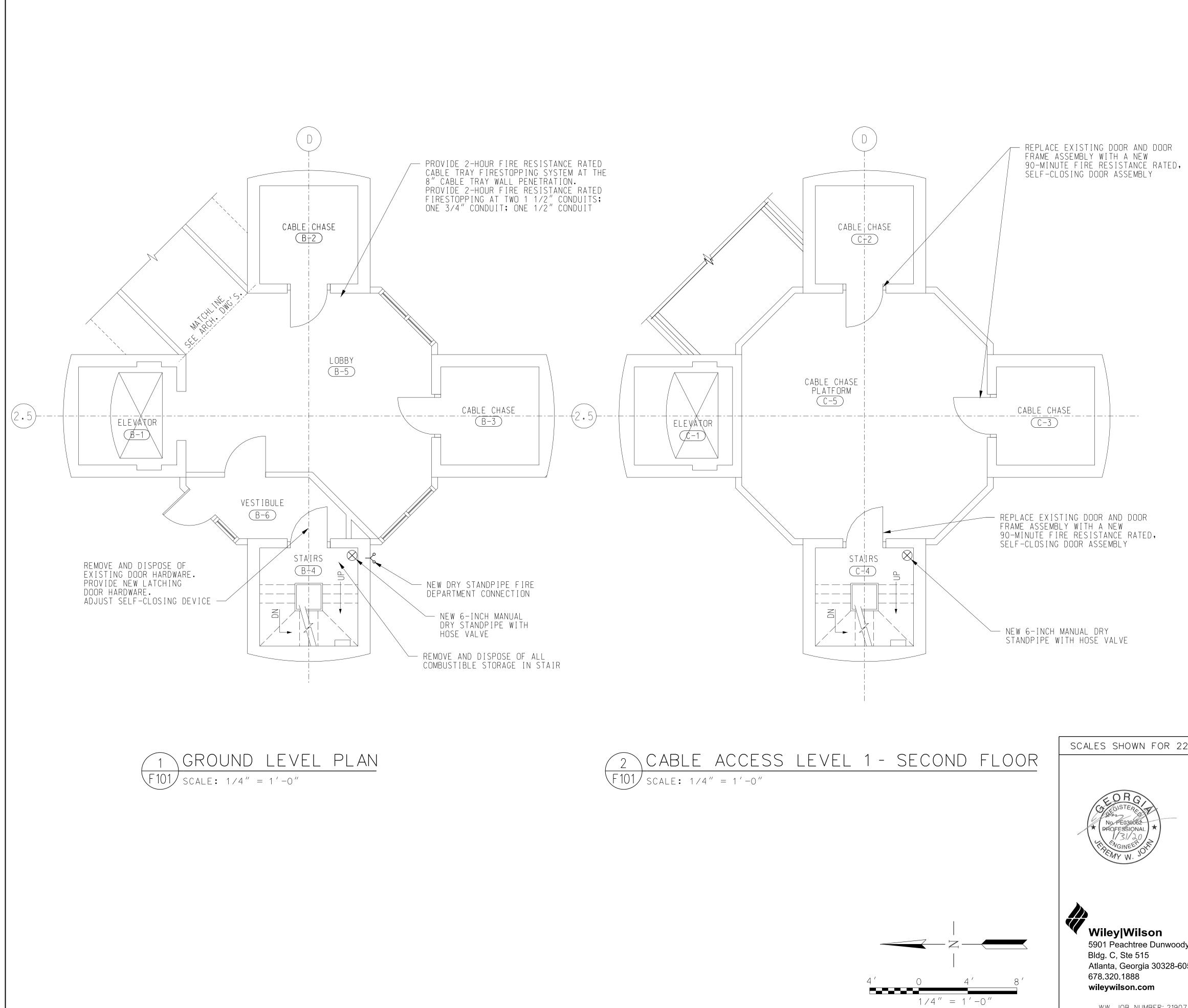
1 INSTALL NEW BREAKER INDICATED IN EXISTING SPACE AVAILABLE.

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ES SHOWN FOR 22	'' X 34'	' SHEE	T. ADJUST	SCA	_ES FOF	R OTHER	SIZES.	PAGE	OF		
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Viley Wilson	FT	LAUDE	RDALE		(IN T	ERNATIONA	AL)			FL	
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78.320.1888			SUBMITTER'S	TITLE			APPROVER'S				
Vileywilson.com	5.00		DESIGNED DRAWN CHECKED	JMC JMC MRK	ATLANTA ENGINI	ed by TERMINAL EERING ITER	DATE JAN 31, 20 DRAWING NO		¹⁵⁰⁸⁹¹² TCT - E501	REV	
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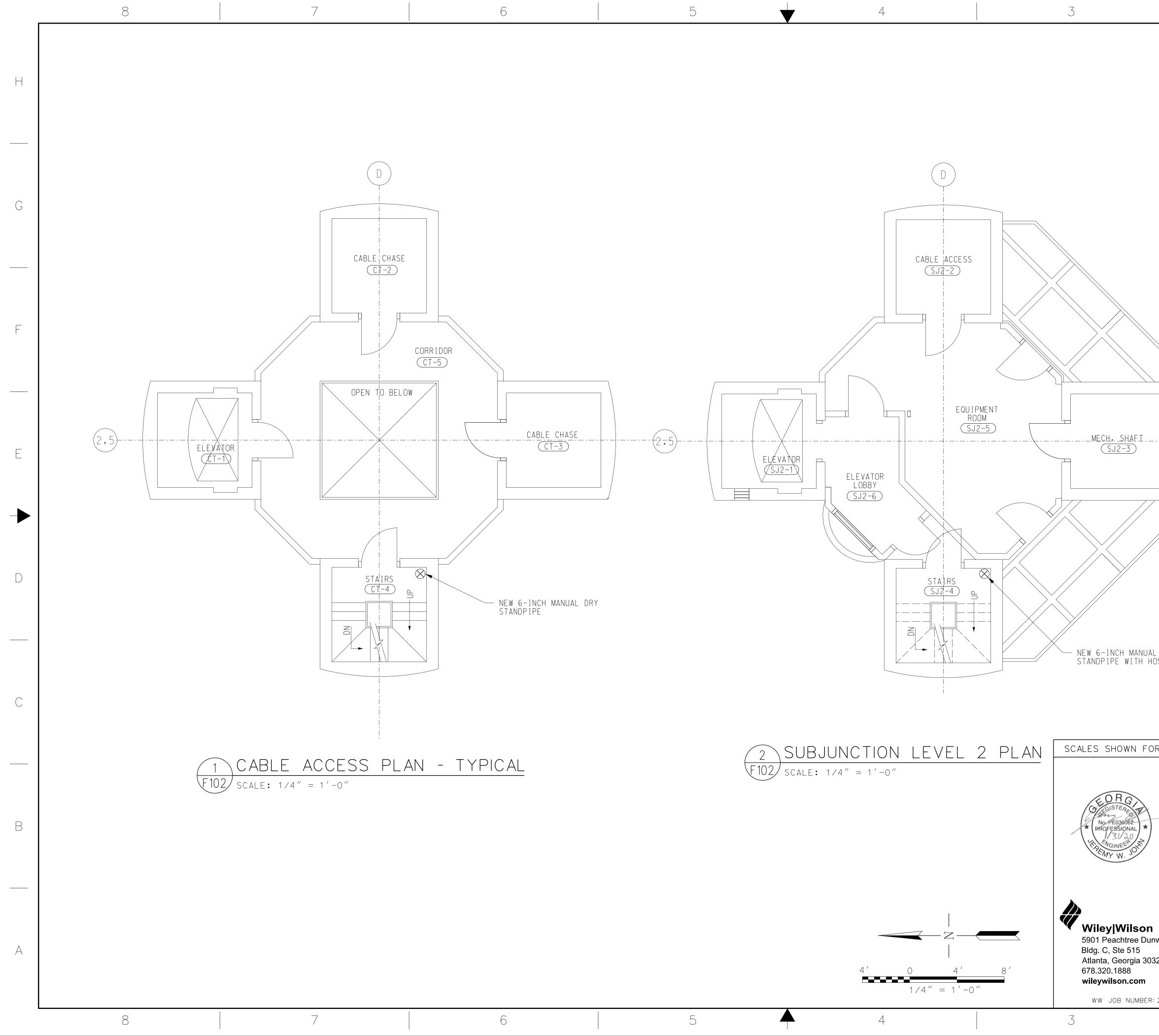


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NOTES

- 1. ALL INTERIOR WALLS, CEILINGS, FLOORS, DOORS AND OTHER FINISHED CONSTRUCTION THAT ARE DAMAGED OR ALTERED BY THE CONTRACTOR SHALL BE RESTORED TO ORIGINAL CONDITION.
- 2. PRIOR TO ANY FIRESTOPPING MATERIALS OR ASSEMBLY BEING INSTALLED, THE CONTRACTOR SHALL HAVE SUBMITTED TO THE FAA RESIDENT ENGINEER MSDS OF ALL MATERIALS INTENDED FOR USE. NO SUBSTITUTIONS SHALL BE PERMITTED WITHOUT THE WRITTEN PERMISSION OF THE RESIDENT ENGINEER. REFER TO SPECIFICATION SECTION 07840 FOR APPROVED FIRESTOPPING MATERIALS AND METHODS.
- 3. PROVIDE UL-LISTED ASSEMBLIES OR ENGINEERED SYSTEMS FOR ALL FIRE BARRIER AND FIRESTOPPING APPLICATIONS AT ALL REQUIRED LOCATIONS. FIRESTOPPING IS ALSO REQUIRED FOR ALL PENETRATIONS MADE BY THE CONTRACTOR FOR ALL DEMO AND NEW WORK. UL CLASSIFICATION PRODUCT DATA SHEET OR MANUFACTURER'S ENGINEERED SYSTEM SHALL BE SUBMITTED AND APPROVED BEFORE ANY FIRESTOPPING IS INSTALLED.
- 4. PROVIDE A NEW MANUAL, DRY STANDPIPE SYSTEM IN THE TOWER STAIR AS SHOWN ON THE DRAWINGS IN ACCORDANCE WITH NFPA 14.

2'' X	34'	' SHEE	T. AD.	JUST	SCAL	_ES F	OR OTH	IER	SIZES.	PAGE	OF	
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			DTES			
		1.	ALL INTERIOR WALLS, CEILINGS, FOR THE FINISHED CONSTRUCTION THAT ALTERED BY THE CONTRACTOR SHALL ORIGINAL CONDITION.	AT ARE DAMA	AGED OR	
		2.	PRIOR TO ANY FIRESTOPPING MATER BEING INSTALLED, THE CONTRACTOR SUBMITTED TO THE FAA RESIDENT E MATERIALS INTENDED FOR USE. NO SHALL BE PERMITTED WITHOUT THE OF THE RESIDENT ENGINEER. REFE SECTION 07840 FOR APPROVED FIRE AND METHODS.	R SHALL HAN Engineer MS D Substitut WRITTEN PE ER TO SPECI	VE SDS OF ALL TIONS ERMISSION IFICATION	
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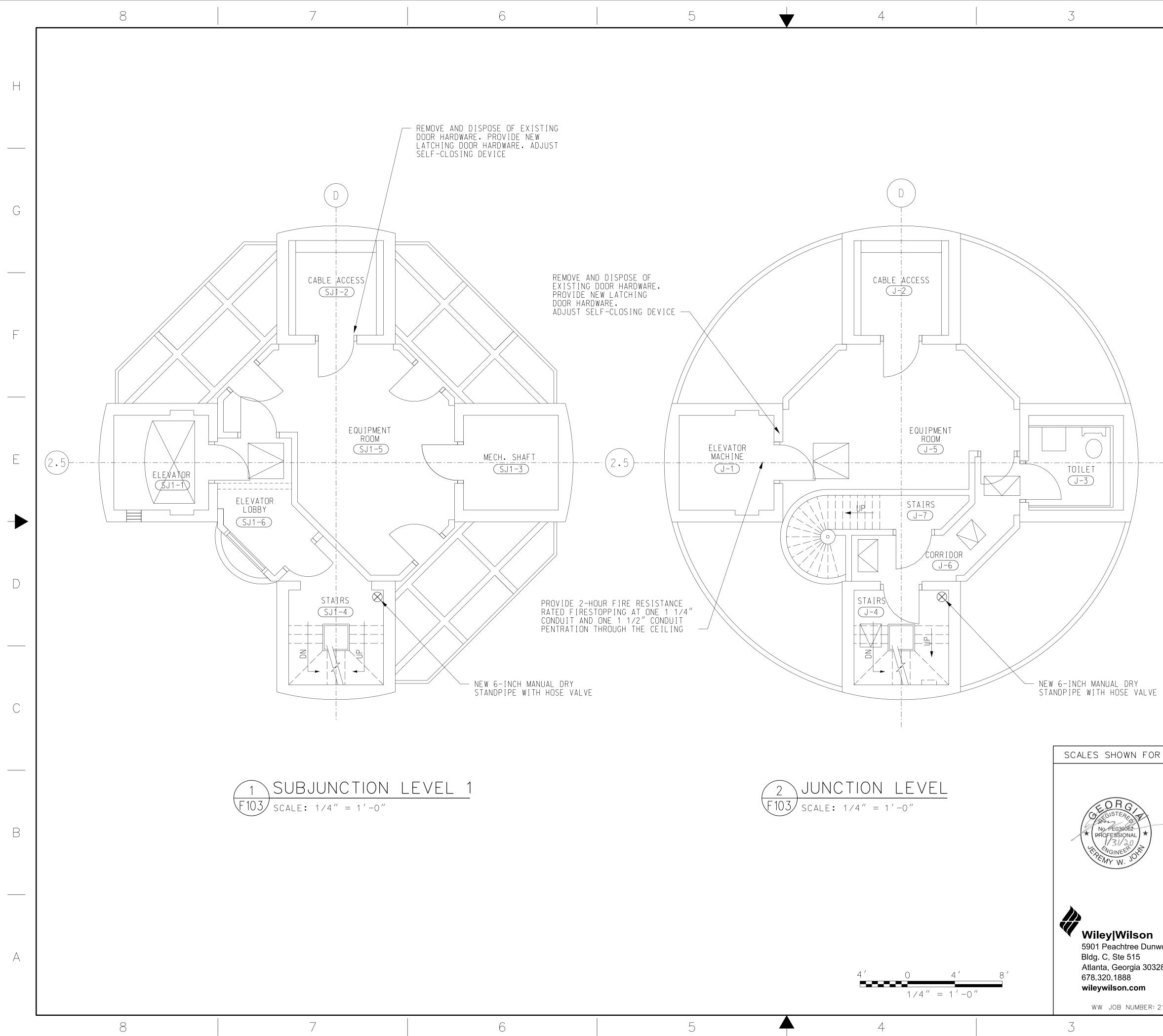
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FORT LAUDERDALE AIRPORT TRAFFIC CONTROL TOWER MAJOR IMPROVEMENTS TOWER - CABLE ACCESS (TYPICAL) AND SUBJUNCTION LEVEL 2 PLANS

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

on	FT L	AUDE	RDALE		(IN T	ERNATIONA	AL)			FL	
Dunwoody Rd.	REVIEW	ED BY	SUBMITTED BY				APPROVED BY				
30328-6055											,
			SUBMITTER'S	TITLE	- CIVIL E	NGINEER	APPROVER'S	TITLE	- MANAGER		
m			DESIGNED	JMJ			DATE JAN 31, 20	019	^{JCN} 1508912		
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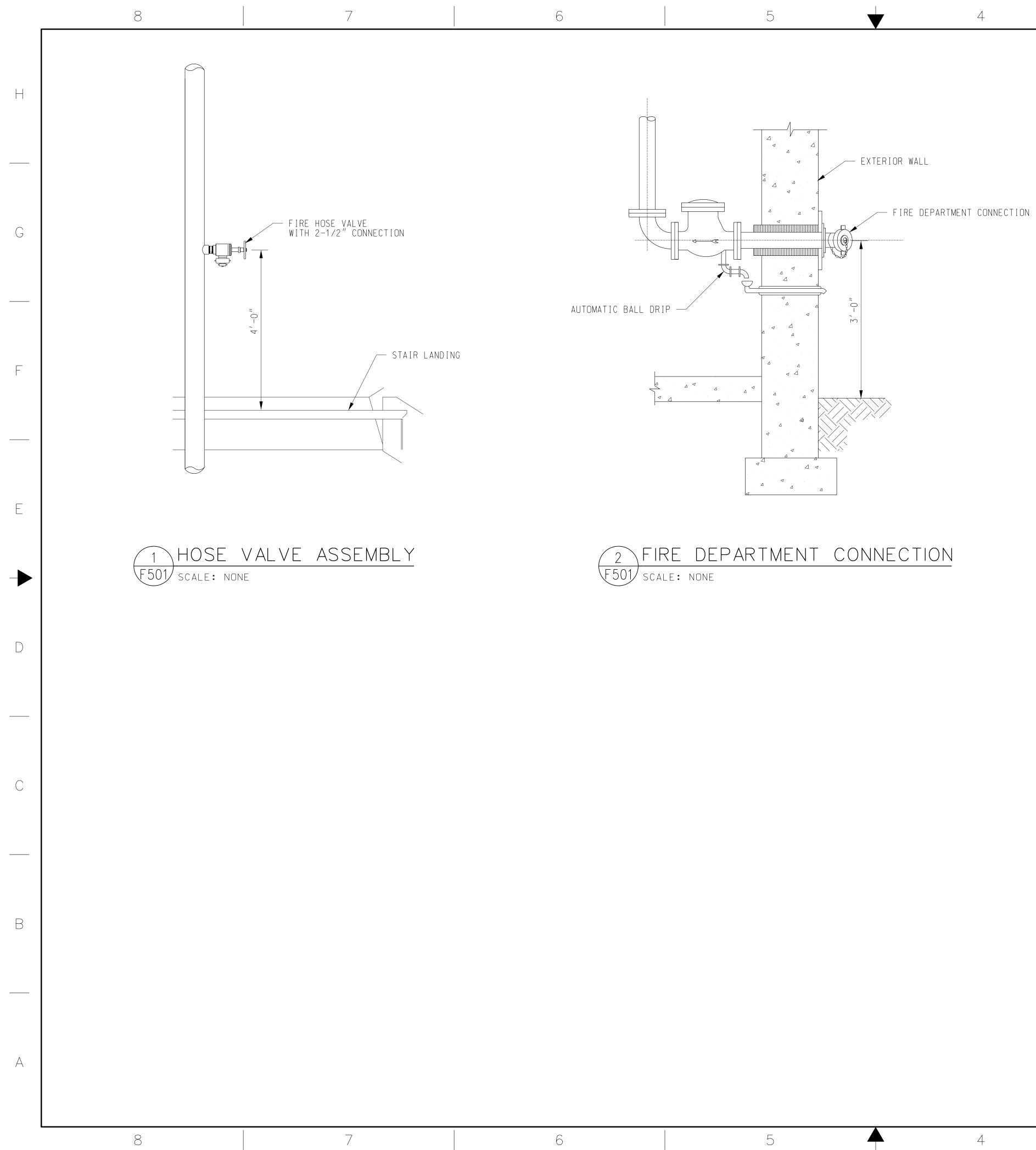


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	2.	BEING INSTALL SUBMITTED TO MATERIALS INT SHALL BE PERM OF THE RESIDE	FIRESTOPPING MATE ED, THE CONTRACTO THE FAA RESIDENT ENDED FOR USE, N ITTED WITHOUT THE	R SHALL HAV ENGINEER MS O SUBSTITUT WRITTEN PE ER TO SPECI	E DS OF ALL IONS RMISSION FICATION
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Wiley|Wilson 5901 Peachtree Du Bldg. C, Ste 515 Atlanta, Georgia 30 678.320.1888 wileywilson.com

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