HQ AIR FORCE SERVICES CENTER

SHAW AFB, SOUTH CAROLINA DINING FACILITY REFRESH CMSgt Emerson E. Williams (DFAC)

FOOD 2.0 DFAC RENOVATION

D1 VICINITY PLAN
SCALE: NTS

PLAN NORTH

ISSUE DATE: 4/03/2024

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FS702	FOODSERVICE AEROWORKS SHOP DRAWINGS
FS703	FOODSERVICE AEROWORKS SHOP DRAWINGS
FS704	FOODSERVICE AEROWORKS SHOP DRAWINGS
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SCOPE OF WORK

THIS PROJECT IS PART OF THE FOOD 2.0 PROGRAM. THE WORK WILL CONSIST OF REFRESHING MOST OF THE PUBLIC AREAS OF THE FACILITY.

THE SERVERY WILL BE COMPLETELY REDONE TO INCLUDE NEW FLOOR AND WALL FINISHES, CASEWORK, EQUIPMENT, ACOUSTICAL CEILING TILE AND GRID, AND LIGHTING.

A PORTION OF THE SERVERY AREA WILL BE REMOVED TO PROVIDE ROOM FOR A DROP-OFF AREA FOR THE DISH WASH ROOM WHICH IS TO BE MODIFIED.

THE DINING AREA WILL BE REFRESHED WITH NEW FINISHES, AS WELL AS NEW ACOUSTIC CEILING TILE. IT WILL ALSO INCLUDE UPDATES TO ALL LIFE SAFETY SYSTEMS.

THE RESTROOMS WILL INCLUDE ADA UPGRADES TO INCLUDE ALTERATIONS FOR ADA COMPLIANCE AT FRONT OF HOUSE.

IN SUPPORT OF THIS WORK, MEP, IT, AND LIFE SAFETY ENGINEERING WILL BE PERFORMED.

*INTERNAL DISCLAIMER:
AS REQUESTED BY THE AIR FORCE, BOTH THE DINING HALL AND FLIGHT KITCHEN ARE SUBMITTED AS (2) SEPARATE DRAWING SETS. TO DIFFERENTIATE BETWEEN THE TWO, WE INDICATED THE LETTER "A" AFTER EVERY FLIGHT KITCHEN SHEET NUMBER (SEE LOWER RIGHT HAND OF SHEET).

WE REQUEST THE AIR FORCE IS CLEAR IN PROPERLY INDICATING THE SHEET NUMBER AND/OR DOCUMENT NAME IN THEIR COMMENT TRACKER AS TO AVOID CONFUSION.

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: KM
DRAWN BY: KK
CHECKED BY: KK
SUBMITTED BY: EB
SIZE: ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

TITLE SHEET

10082 REGISTERED ARCHITECT
KATHERINE M. TERSE
STATE OF WASHINGTON

GENERAL

G001

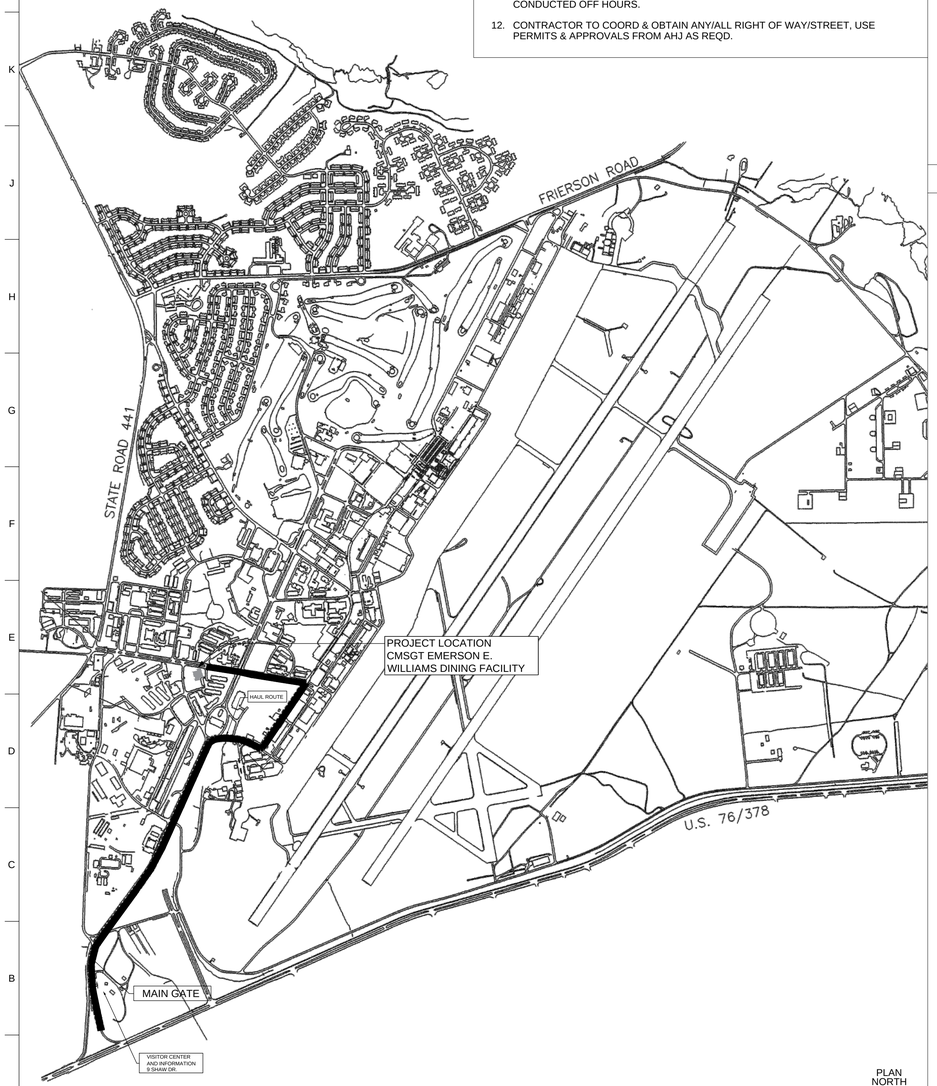
G:\2021\OTHER\2021-04777-00 21197 SHAW USAF SC - DINING\04 DRAWINGS\01 A\DINING HALL\G001.DWG
ANDREA.PILERI
4/3/2024 3:29:35 PM

LEGEND

HAUL ROUTE

GENERAL NOTES

1. IN THE EVENT OF INCONSISTENCIES BETWEEN ARCHITECTURAL AND CONSULTANT BASE PLANS THE ARCHITECTURAL SHEET SHALL TAKE PRECEDENCE. REPORT DISCREPANCIES PRIOR TO PROCEEDING WITH AFFECTED WORK.
2. DO NOT SCALE DRAWINGS FOR CONSTRUCTION DIMENSIONS OR TOLERANCES. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER DRAWINGS. REQUEST CLARIFICATION IN WRITING PRIOR TO PROCEEDING.
3. DIMENSIONS ARE FACE TO FRAMING UNO.
4. COORDINATE DIMENSIONS ON PLANS AND FIELD VERIFY PRIOR TO CONSTRUCTION. REPORT DISCREPANCIES PRIOR TO PROCEEDING WITH AFFECTED WORK.
5. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE APPROPRIATE UTILITY COMPANIES. FIELD VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION/DEMOLITION.
6. ALL DEMOLISHED MATERIALS SHALL BE PROPERLY DISPOSED OF OFFSITE.
7. DEMOLITION WORK TO BE COORDINATED WITH ALL TRADES. CONTRACTOR IS RESPONSIBLE FOR ALL DEBRIS REMOVAL FROM THE SITE ON A DAILY BASIS. SEE MECHANICAL AND ELECTRICAL DRAWINGS & SPECIFICATIONS FOR CRITICAL PHASING.
8. CONTRACTOR SHALL AT NO TIME TOTALLY BLOCK EXIT FROM BLDG.
9. SITE AND BUILDING IS TO REMAIN SECURE AT ALL TIMES. ACCESS POINTS TO SITE AND BUILDING SHALL NOT BE LEFT UNATTENDED AT ANY TIME. CONTRACTOR TO NOTE THAT EXCEPTIONS TO THIS RULE WILL NOT BE TOLERATED.
10. REPAIR TO EXISTING CONDITION ANY ITEMS DAMAGED WHICH WERE NOT SCHEDULED OR NOTED FOR CHANGE.
11. ACCESS TO ALL PARKING AREAS TO BE MAINTAINED DURING NORMAL WORK HOURS. ALL WORK IMPACTING OWNERS USE OF PARKING AREAS SHALL BE CONDUCTED OFF HOURS.
12. CONTRACTOR TO COORD & OBTAIN ANY/ALL RIGHT OF WAY/STREET, USE PERMITS & APPROVALS FROM AHJ AS REQD.



A2 SITE PLAN
SCALE: NTS

GENERAL PROJECT NOTES

1. GENERAL CONTRACTOR SHALL VISIT THE SITE, REVIEW THE BUILDING AND BECOME THOROUGHLY FAMILIAR WITH THE SITE CONDITIONS PRIOR TO BIDDING OR CONSTRUCTION.
2. GENERAL CONTRACTOR SHALL CONSULT WITH ARCHITECT & ENGINEER (DESIGN TEAM) TO RESOLVE ANY CHANGES, OMISSIONS OR PLAN DISCREPANCIES PRIOR TO BIDDING OR CONSTRUCTION.
3. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH LOCAL, COUNTY, STATE, AND FEDERAL CODES AND ORDINANCES.
4. GENERAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES.
5. GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS, INCLUDING CLEARANCES REQUIRED BY OTHER TRADES AND NOTIFY DESIGN TEAM OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK. ALL DIMENSIONS ARE TO THE FACE OF THE FINISHED SURFACE UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO BE TAKEN FROM DESIGNATED DATUM POINT. DO NOT SCALE DRAWINGS.
6. GENERAL CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS, FLOORS, CEILINGS, OR OTHER SURFACES IDENTIFIED TO REMAIN THAT MAY BECOME DAMAGED DURING THE COURSE OF THE WORK.
7. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMITS FOR BUILDING PLANS, FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL SYSTEMS PRIOR TO INSTALLATION OF SUCH SYSTEMS.
8. GENERAL CONTRACTOR SHALL RETAIN ONE SET OF THE PLANS TO NOTE AND DOCUMENT ALL CHANGES DURING CONSTRUCTION.
9. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING DELIVERY OF MATERIALS FROM THIRD PARTY LOGISTICS DISTRIBUTION SERVICES AND VENDOR DIRECT SHIPMENTS. REFER TO CONSTRUCTION MANAGEMENT AGREEMENT FOR METHODS AND LEAD TIMES.
10. FOR THE PURPOSE OF THE DOCUMENTS, TO "INSTALL" SHALL MEAN TO PROVIDE ALL FASTENERS, MISCELLANEOUS HARDWARE, BLOCKING, ELECTRICAL CONNECTIONS, PLUMBING CONNECTIONS, AND OTHER ITEMS REQUIRED FOR A COMPLETE AND OPERATION INSTALLATION, UNLESS OTHERWISE NOTED.
11. ALL ITEM SUBSTITUTIONS MUST BE APPROVED BY THE CONTROLLING OFFICER.
12. REFER TO ITEM CUTSHEETS FOR ADDITIONAL INFORMATION.
13. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE DURING THE COURSE OF CONSTRUCTION AND TO THE TIME OF THE BUILDING TURN-OVER AND OCCUPANCY.
14. ONE SECTION OF THE DFAC IS TO REMAIN UNAFFECTED BY THE CONSTRUCTION AND REMAIN IN OPERATION. IT IS A POST OFFICE.

ADD / ALTERNATES

Item #	Description	Drawing
A	Not used.	
B	Not used.	
C	Alternative price to provide inspection including camera survey of existing drain system to determine cost to fix system as change order. Default price is to make drain line changes NIC.	P Set
D	Not used.	
E	Not used.	
F	Not used.	
G	Not used.	
H	Not used.	
I	Not used.	
J	Not used.	
K	Not used.	
L	Alternative price to inspect all kitchen hoods and ensure that they are operational. Provide reports and provide cost for recommended repairs. If needed, provide price for new hoods. Default is to remain as is.	M Set
M	Provide alternate pricing to decommission existing Captive Aire hood washing equipment and controls. Default is to remain as is.	M Set
N	Alternative price to install alarms in existing walk-in coolers and freezers as required by AFMAN 91-203, 2.9 at the DFAC kitchen. Default is to remain as is.	A Set, E Set
O	Alternative price to inspect and recommend repair of condensation issues at lobby area, the hall near the locker rooms and any other place present in the ceiling plenum space. Default is to remain as is.	M Set
P	Not used.	
Q	Not used.	
R	Not used.	
S	Not used.	
T	Not used.	

STANDARD ABBREVIATIONS

A/C	AIR CONDITIONING	MR	MOISTURE RESISTANT
A/C UNIT	AIR CONDITIONING UNIT	MTL	METAL
ABV	ABOVE	NIC	NOT IN CONTRACT
ACC	ACCESSIBLE	NO	NUMBER
ACS DR	ACCESS DOOR	NTS	NOT TO SCALE
ACS PNL	ACCESS PANEL	OA	OVERALL
ACT	ACOUSTICAL CEILING TILE	OC	ON CENTER
		OCC	OCCUPANCIES
AFF	ABOVE FINISHED FLOOR	OFCI	OWNER FURNISHED-CONTRACTOR INSTALLED
AHJ	AUTHORITY HAVING JURISDICTION		
ALUM	ALUMINUM	OFOI	OWNER FURNISHED-OWNER INSTALLED
APPROX	APPROXIMATELY		
BD	BOARD	OPNG	OPENING
BLDG	BUILDING	PLYWD	PLYWOOD
CG	CORNER GUARD	PR	PAIR
CLG	CEILING	PREP	PREPARE
CONC	CONCRETE	PTN	PARTITION
CONTR	CONTRACTOR	RB	RUBBER BASE
COORD	COORDINATE	REINF	REINFORCE
CT	CERAMIC TILE	REQD	REQUIRED
CS	CAST STONE	RO	ROUGH OPENING
CSK	COUNTERSUNK	ROW	RIGHT OF WAY
CSMT	CASEMENT	R&R	REMOVE & INSTALL
CT	CERAMIC TILE	SCHED	SCHEDULE
DBL	DOUBLE	SD	SOAP DISPENSER
DEMO	DEMOLITION	SF	SQUARE FEET/FOOT
DET	DETAIL	SHT	SHT
DIA	DIAMETER	SIM	SIM
DIAG	DIAGONAL	SPEC	SPECIFICATION
DIM	DIMENSION	SS	SOLID SURFACE
DR	DOOR	STL	STEEL
DTL	DETAIL	ST STL	STAINLESS
(E)	EXISTING	STD	STANDARD
EA	EACH	TB	TACKBOARD
ELEC	ELECTRICAL	THK	THICK
EQ	EQUAL	TOS	TOP OF SLAB
EQUIP	EQUIPMENT	TP	TOP PLATE
ETC	ETCETERA	TYP	TYPICAL
EX	EXAMPLE	UNO	UNLESS NOTED OTHERWISE
FH	FIRE HOSE		
FIN FLR	FINISH FLOOR	USC	UNDER SEPARATE CONTRACT
FLR	FLOOR	VCT	VINYL COMPOSITION TILE
FT	FIRE TREATED	VIF	VERIFY IN FIELD
FE	FIRE EXTINGUISHER	W/	WITH
FEC	FIRE EXTINGUISHER CABINET	WC	WATER CLOSET
		W/O	WITHOUT
FS	FOODSERVICES	WT	WEIGHT
FSD	FIRE SPRINKLER DAMPER	@	AT
GA	GAUGE	%	PERCENT
GALV	GALVANIZED		
GEN	GENERAL		
GYP BD	GYPSUM BOARD		
GWB	GYPSUM WALL BOARD		
HB	HOSE BIB		
HCT	HOLLOW CLAY TILE		
HDWR	HARDWIRE		
HM	HOLLOW METAL		
HT/HGT	HEIGHT		
HVAC	HEATING/ VENTILATING/ AIR CONDITIONING		
ID	INSIDE DIAMETER		
IE	FOR EXAMPLE		
INSUL	INSULATION		
JAN	JANITOR		
LOC/LOCS	LOCATION(S)		
MAX	MAXIMUM		
MECH	MECHANICAL		
MFR	MANUFACTURER		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MO	MASONRY OPENING		
MOP	METHOD OF PROCEDURE		

APPLICABLE CODES

UNLESS OTHERWISE INDICATED OR SPECIFIED, PERFORM THE WORK IN CONFORMANCE WITH THE LATEST EDITIONS OF THE APPLICABLE REGULATORY REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

1. 2021 SOUTH CAROLINA BUILDING CODE OR THE 2021 INTERNATIONAL BUILDING CODE (IBC) WITH SOUTH CAROLINA MODIFICATIONS
2. 2021 SOUTH CAROLINA FIRE CODE OR THE 2021 INTERNATIONAL FIRE CODE (IFC) WITH SOUTH CAROLINA MODIFICATIONS
3. 2020 NATIONAL ELECTRIC CODE (NFPA 70) WITH SOUTH CAROLINA MODIFICATIONS
4. 2021 SOUTH CAROLINA PLUMBING CODE OR THE 2021 INTERNATIONAL PLUMBING CODE (IPC) WITH SOUTH CAROLINA MODIFICATIONS
5. SOUTH CAROLINA MECHANICAL CODE OR THE 2021 INTERNATIONAL MECHANICAL CODE (IMC) WITH SOUTH CAROLINA MODIFICATIONS
6. 2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
7. 2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
8. SHAW AIR FORCE BASE INSTALLATION FACILITIES STANDARDS 09-12-2019

ALL CURRENT STATE AND LOCAL AMENDMENTS TO THE ABOVE LISTED CODES.

SYMBOLS LEGEND

- A1 / A401 — DETAIL NUMBER / SHEET NUMBER — ELEVATION MARKER
- A1 / A401 — DETAIL NUMBER / SHEET NUMBER — DETAIL CALLOUT
- A1 / A401 — DETAIL NUMBER / SHEET NUMBER — WALL SECTION MARKER
- A1 / A401 — DETAIL NUMBER / SHEET NUMBER — BUILDING SECTION
- A1 / A401 — DETAIL NUMBER / SHEET NUMBER — DETAIL MARKER
- A2 / B2 B401 B4 / C2 — INTERIOR ELEVATION TAG
- # — KEYNOTE REFERENCE
- XX — DOOR NUMBER
- 55 — WINDOW NUMBER
- ## — WALL TYPE MARKER
- MTL-55 — FINISH TYPE MARKER
- TBL-55 — FIXTURE / EQUIPMENT / FURNITURE TYPE MARKER
- DINING 101 — ROOM NAME
- A — 1 — COLUMN REFERENCE GRIDS
- ℄ — CENTERLINE
- BREAK LINE
- 1 — REVISION
- PLAN NORTH — TRUE NORTH / NORTH SYMBOL

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: KM
DRAWN BY: KK
CHECKED BY: KK
SUBMITTED BY: ER
DATE: 4/03/2024
ANSI D

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

SITE PLAN AND PROJECT INFO

10682 REGISTERED ARCHITECT CAROLINE M. TERSE STATE OF WASHINGTON

GENERAL

G002

BUILDING DIAGONAL = 188' - 3"
EXIT DIAGONAL = 115' - 2 1/2"

62% EGRESS

GENERAL NOTES

1. ALL EXIT PATTERNS ARE EXISTING. BUILDING HAS (8) EXISTING EXITS.

CONTROLLING AUTHORITY:
NFPA 101 - 2020 EDITION
UFC 1-200-01, 09 JANUARY 2022

OCCUPANCY CLASSIFICATION:
A-2 ASSEMBLY (PRIMARY) AS DEFINED BY IBC 2021
B BUSINESS (SECONDARY) AS DEFINED BY IBC 2021
S STORAGE (SECONDARY) AS DEFINED BY IBC 2021

SPRINKLER SYSTEM:
EXISTING TO REMAIN AS DEFINED BY NFPA 101. MODIFY AS REQUIRED BY NFPA 13

ARRANGEMENT OF EXITS:
PER NFPA 101, 7.5.1.3.3: IN BUILDINGS PROTECTED THROUGHOUT BY AN APPROVED, SUPERVISED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 9.7, THE MINIMUM SEPARATION DISTANCE BETWEEN TWO EXITS, EXIT ACCESS, OR EXIT DISCHARGES, MEASURED IN ACCORDANCE WITH 7.5.1.3.2, SHALL NOT BE LESS THAN ONE-THIRD THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE SERVED.

EXIT ACCESS TRAVEL DISTANCE:
PER NFPA 101, 13.2.6, 250' MAX. PROTECTED THROUGHOUT BY AN APPROVED, SUPERVISED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE TO 9.7.1.1(1)

COMMON PATH OF TRAVEL DISTANCE:
PER NFPA 101, TABLE 13.2.5.2, 75' MAX. (<50 OCC.), 20' MAX. (>49 OCC.) PROTECTED THROUGHOUT BY AN APPROVED, SUPERVISED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 9.7.1.1(1)

DEAD END CORRIDORS:
PER NFPA 101, TABLE 13.2.5.1.3, 20' MAX. PROTECTED THROUGHOUT BY AN APPROVED, SUPERVISED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 9.7.1.1. (1)

MINIMUM EXIT ACCESS CORRIDOR WIDTH:
PER NFPA 101 7.3.4.1(2) NOT LESS THAN 28-INCHES

INTERIOR WALL AND CEILING FINISH REQUIREMENTS:
NFPA 101, 13.3.3.2
AREAS W/ MORE THAN 300 OCCUPANTS: CLASS A or CLASS B
AREAS W/ LESS THAN 300 OCCUPANTS: CLASS A, CLASS B, or CLASSC
CORRIDORS or LOBBIES: CLASS A or CLASS B (PER 10.2)
OTHER SPACES: CLASS A, CLASS B or CLASS C

FIRE EXTINGUISHER REQUIREMENTS:
MINIMUM TRAVEL DISTANCE TO EXTINGUISHER: 75 FEET
NOTE: FIRE EXTINGUISHERS ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

CORRIDORS:
NO REQUIREMENTS; PER NFPA 101, 7.1.3.1 (2), AND NFPA 101, 13.3.6

KEYNOTES

1. DISTANCE FROM A CHOICE OF TWO EXITS (LONGEST COMMON PATH OF TRAVEL)

OCCUPANCY NOTES

**LIMITS OF AREA OF WORK ONLY

OCCUPANCY GROUP	OCC. LOAD FACTOR	SF	OCCUPANCY
A2 - RESTAURANT	15	7,028	469
B - OFFICE	150	587	4
B - KITCHEN	200	3,449	18
S1 - STORAGE	300	3,020	10
U - MECH./ELEC.	--	1,050	--
NON-OCCUPIED CIRCUL.	--	1,328	--
TOTAL		16,462	501 OCCUPANTS

LEGEND

- X'-X" — TRAVEL DISTANCE/ COMMON PATH OF TRAVEL
- PATH OF TRAVEL
- F.E. — RECESSED FIRE EXTINGUISHER CABINET (EXISTING)
- F.E. — FIRE EXTINGUISHER CABINET (N)
- P.S. — PULL STATION (EXISTING) - SEE ELECTRICAL
- FIRE EXIT DIRECTIONAL LIGHT - SEE ELECTRICAL

EXIT WIDTH
- XX — OPENING WIDTH
- XX — 1005 FACTOR
- XX — MAX OCCUPANCY CAPACITY
- XX — ACTUAL OCCUPANT LOAD

OCCUPANT LOAD
- XX — OCCUPANCY USE PER IBC 1004
- X X — OCCUPANT LOAD
- OCCUPANT LOAD FACTOR PER S.F. PER IBC 1004

ROOM TAG
- XXX — ROOM NAME
- XXX — ROOM NUMBER

- OFFICE
- KITCHEN
- STORAGE
- DINING-ASSEMBLY
- MECH./ELEC.
- NON-OCCUPIED CIRCULATION
- NOT IN CONTRACT (NIC)

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: KM
DRAWN BY: KK
CHECKED BY: KK
SUBMITTED BY: ER
SCALE: 1/8" = 1'-0" ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

CODE ANALYSIS PLAN

10682 REGISTERED ARCHITECT
CAROLINE N. TEGGE
STATE OF WASHINGTON

GENERAL
G003

A2 CODE ANALYSIS
SCALE: 1/8" = 1' - 0"

0 4' 8' 16'

PLAN NORTH

BUILDING CODE SUMMARY

Name of Project: SHAW AFB DINING FACILITY REFRESH
Address: 417 POLIFKA DR. SUMTER SC Zip Code: 29150
Proposed Use: Dining Facility
Authorized Agent: SHELDON BROWN Phone # --- Email ---
Owned By: ☐ City/County ☐ Private ☐ State ■ Federal
Code Enforcement Jurisdiction: ☐ City ☐ County ☐ State

PROJECT SUMMARY

Building Description:
Partial (approx. 21,204 SF) interior renovation of the CMSgt Emerson E. Williams DFAC building comprised of Type IIIB Construction.

Scope of Work Details:
The project consists of the renovation of the existing Servery, Dining Room, Dish Wash area, Restrooms, and Training Room. Renovations to include: select finish replacement throughout areas of work and reconfiguring of Servery and Dish Wash area for utensil drop off. Construction includes: Demolition, Architectural, Mechanical, Plumbing, and Electrical.

Alternative Means of Compliance Request: N/A

☐ Industrial Equipment with Declaration Document Attached

☐ RTAP (Revisions to Approved Plans)

☐ Date of Preliminary Review: -

LEAD DESIGN PROFESSIONAL: Salas O'Brien

DESIGNER	FIRM	NAME	PHONE #	E-MAIL
Architectural	SALAS OBRIEN	Kip Kolodziejski	(206) 294-7545	kip.kolodziejski@salasobrien.com
Civil	N/A	-	-	
Electrical	SALAS OBRIEN	Ed David	(760) 316-5627	Ed.david@salasobrien.com
Fire Protec.	SALAS OBRIEN	Tim Campbell	(678) 365-2223	Tim.Campbell@salasobrien.com
Plumbing	SALAS OBRIEN	Tony Ifill	(760) 317-2028	Tony.ifill@salasobrien.com
Mechanical	SALAS OBRIEN	Eric Sisson	(760) 316-5677	Jeff.ogle@salasobrien.com
IT	SALAS OBRIEN	Andrew Goulston	(312) 870-5190	Andrew.goulston@salasobrien.com
Structural	SALAS OBRIEN	Justin Gibson	(925) 400-7925	justin.gibson@salasobrien.com
Kitchen Design	TRIMARK	Andrew Keaggy	(602) 363-0282	Andrew.keaggy@trimarkusa.com

Code Edition:
- ■ 2020 NFPA 101 Life Safety Code
- ■ 2021 International Building Code (IBC)
- ■ 2020 NFPA Fire Code
- ■ UFC 1-200-01, DoD Building Code (General Building Requirements) with Change 2 09-01-22
- ■ UFC 1-200-02, High Performance and Sustainable Building Requirements, with Change 2 12-01-2020
- ■ UFC 3-101-01, 11.28.11 Architecture, with Change 2 12-16-2020
- ■ UFC 3-120-10, Interior Design, with Change 2 05-16-2018
- ■ UFC 3-301-01, Structural Engineering 04-11-2023
- ■ UFC 3-600-01, Fire Protection Engineering for Facilities, with Change 6 08-08-2016
- ■ NFPA 10 - 2020 Portable Fire Extinguishers
- ■ NFPA 70 - 2020 National Electrical Code
- ■ NFPA 90A - 2020 Standard for the Installation of Air-Conditioning and Ventilating Systems
- ■ ICC ANSI A117-1 - 2017
- ■ A/E/C CAD Standard, latest version

New Construction: ☐ Shell Building ☐ Addition ☐ Upfit (First Time Interior Completion)

Existing Building: ☐ Reconstruction ☐ Alteration ☐ Repair ■ Renovation
Constructed (date): 1985 Original Use(s) (Ch. 3): Assembly (A-2)w/ (B) & (S1)
Renovated (date): N/A Current Use(s) (Ch. 3): Assembly (A-2)w/ (B) & (S1)
Proposed Use(s) (Ch. 3): Assembly (A-2)w/ (B) & (S1)

SPECIAL APPROVALS

Special Approval: (Local Jurisdiction, Department of Insurance, ICC, etc., describe below)
N/A

BUILDING DATA (per IBC 2021, UON)

Construction Type: ☐ I-A ☐ I-B ☐ II-A ☐ II-B ■ III-A ■ III-B ☐ IV ☐ V-A ☐ V-B
Mixed Construction: ■ No ☐ Yes Types: -
Sprinklers: ☐ No ■ Yes ☐ Partial ■ NFPA 13-16 ☐ NFPA 13R-16 ☐ NFPA 13D-16 ☐ ESFR
Standpipes: ■ No ☐ Yes NFPA 14-00 Class: ☐ I ☐ II ☐ III ☐ Wet ☐ Dry

Fire District: ■ No ☐ Yes (Primary) **Flood Hazard Area:** ■ No ☐ Yes
Building Height: 24 Feet 1 Number of Stories ☐ Unlimited per 403.3.1.3
Mezzanine: ■ No ☐ Yes (Enclosed - permitted by 505.4: Exception 5)
High Rise: ■ No ☐ Yes Central Reference Sheet # (if provided)

Gross Building Area (sq. ft.):

FLOOR	EXISTING	NEW	RENO/ UPFIT
	-	-	
First Floor	21,204		11,250
	-	-	
	-	-	
TOTAL	21,204		11,250

ALLOWABLE AREA (per IBC 2021, UON)

Primary Occupancy:
☐ Assembly ☐ A-1 ■ A-2 ☐ A-3 ☐ A-4 ☐ A-5
☐ Business ☐ Education ☐ Factory ☐ F-1 Moderate ☐ F-2 Low
☐ Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
☐ Institutional ☐ I-1 ☐ I-2 Hospitals ☐ I-3 Jails ☐ I-4 Daycare
I-3 Use Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ Mercantile ☐ Residential ☐ R-1 Hotels ☐ R-2 Condos ☐ R-3 ☐ R-4
☐ Storage ☐ S-1Moderate ☐ S-2 Low ☐ High-piled
☐ Utility and Miscellaneous ☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage

Secondary Occupancies:
☐ Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
■ Business ☐ Education ☐ Factory ☐ F-1Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 ☐ I-2 Hospitals ☐ I-3 Jails ☐ I-4 Daycare
I-3 Use Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ Mercantile ☐ Residential ☐ R-1 Hotels ☐ R-2 Condos ☐ R-3 ☐ R-4
■ Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled
■ Utility and Miscellaneous ☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage

Incidental Uses (NFPA 6.1.14.1.3): N/A

Special Uses:
☐ 402 ☐ 403 ☐ 404** ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412
☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☐ 420 ☐ 421 ☐ 422 ☐ 423 ☐ 424
☐ 425 ☐ 426 ☐ 427

Special Provisions: ☐ 509.2 ☐ 509.3 ☐ 509.4 ☐ 509.5 ☐ 509.6 ☐ 509.7 ☐ 509.8 ☐ 509.9

Mixed Occupancy: ☐ No ■ Yes Separation: - HR Exception: T6.1.14.4.1(a) - Sprinkler

☐ Incidental Use Separation (508.2.5) (NFPA 101:T28.3.2.2.2)
This separation is not exempt as a Non-Separated Use (see exceptions).

■ Non-Separated Mixed Occupancy (508.3): B, A-2, S
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building. SEE NFPA 101 6.1.14.1.3

☐ Separated Mixed Occupancy (508.4)
For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} = \leq 1$$

$$\frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad} \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA	(C) AREA FOR FRONTAGE INCREASE	(D) AREA FOR SPRINKLER INCREASE	(E) ALLOWABLE AREA OR UNLIMITED	(F) MAXIMUM BUILDING AREA [4]
Basement	-	-	-	-	-	-	45,125 SF
1st Floor	B/A-2/S	21,204 SF	38,000 SF	NA SF	NA SF	38,000 SF	
2nd Floor	-	-	-	-	-	-	
3rd Floor	-	-	-	-	-	-	

[1] Frontage area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum with = 615 (F)
b. Total Building Perimeter = 615 (P)
c. Ratio (F/P) = 1 (F/P)
d. W = Minimum width of public way = 30 (W)
e. Percent of frontage increase I_f = 100[F/P - 0.25] x W/30 = 75 (%)

[2] The sprinkler increase per Section 506.3 is as follows:
a. Multi-story building I_s = 200 percent
b. Single story building I_s = 300 percent

[3] Unlimited area applicable under conditions of Section 507.
Allowable Area (A_a) from Section 506.1 is computed thus:
a. A_t = tabular area (sprinklered) 38000
b. I_f = Percent of Frontage Increase 75%
c. NS = tabular area (non-sprinklered) 9,500
d. Allowable Area $A_a = A_t + [NS \times I_f]$
e. Allowable Area A_a = 38,000 + [9,500 x .75] = 45,125

[4] Maximum Building Area = total number of stories in the building X E (506.4)

[5] The maximum area of parking garages must comply with Table 406.3.5. The maximum area of air traffic control towers must comply with 412.1.2.

FIRE PROTECTION REQUIREMENTS

Life Safety Plan Sheet #, if provided A-001

BUILDING ELEMENT (per IBC 2021 Tables 601& 602)	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ * REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses		0/N.C.	0/N.C.	N/A	N/A	N/A	N/A
Bearing Walls							
Exterior							
North	> 30'	0/N.C.	0/N.C.	N/A	N/A	N/A	N/A
East	> 30'	↓	↓	↓	↓	↓	↓
West	> 30'	↓	↓	↓	↓	↓	↓
South	> 30'	↓	↓	↓	↓	↓	↓
Interior		0/N.C.	0/N.C.	N/A	N/A	N/A	N/A
Floor Construction, including supporting beams and joists **		0/N.C.	0/N.C.	N/A	N/A	N/A	N/A
Roof Construction, including supporting beams and joists **		0/N.C	0/N.C.	N/A	N/A	N/A	N/A
Nonbearing walls and partitions							
Exterior							
North	> 30'	0/N.C.	0/N.C.	N/A	N/A	N/A	N/A
East	> 30'	↓	↓	↓	↓	↓	↓
West	> 30'	↓	↓	↓	↓	↓	↓
South	> 30'	↓	↓	↓	↓	↓	↓
BUILDING ELEMENT (per NFPA 101 UON)							
Nonbearing walls and partitions							
Interior		0/N.C.	0/N.C.	N/A	N/A	.	.
Shafts - Exit (7.1.3.2.1 (2))		1 HR	N/A	N/A	EXISTING	EXISTING	N/A
Shafts - Elevator, also Machine Room (UFC 3-600-01 6-30.1))		2 HR	N/A	N/A	EXISTING	EXISTING	N/A

ALLOWABLE HEIGHT (per IBC 2015, UON) (non-separated mixed-use: A-2 governs)

	ALLOWABLE (504.3, 504.4)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Type III-B		Type III-B	503
Building Height in Feet	Feet 55	Feet=H+20'= N/A	Feet 24'-0"	504.3
Building Height in Stories	Stories 2	Stories+1= 3	Stories 1	504.4

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT (per NFPA 101 UON)	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ * REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Shafts - Other (8.6.5)		1 HR	N/A	EXIST.	EXIST.	EXIST.	EXIST.
Corridor Separation (28.3.6.1.3)		N/A					→
Occupancy Separation (T508.4) (IBC 420.2)		0 HR					→
Party/Fire Wall Separation (7.2.4.3.1)		N/A					→
Smoke Barrier Separation		N/A					→
Tenant Separation (402.7.2)		N/A					→
Incidental Use Separation		0 HR					→
Fire Pump Room (NFPA 20 T4.12.1.1.2)		N/A					→

* Indicate section number permitting reduction
** Note: Ceiling panels are not a part of floor assembly.
N.C. = Non Combustible N.R. = Not Required N/A = Not Applicable

LIFE SAFETY SYSTEM REQUIREMENTS (per NFPA 101) ALL ARE EXISTING

Emergency Lighting:	☐ No	■ Yes
Exit Signs:	☐ No	■ Yes
Fire Alarm:	☐ No	■ Yes
Smoke Detection Systems:	☐ No	■ Yes ☐ Partial
Panic Hardware:	☐ No	■ Yes - In Assembly Occupancies
Atrium:	■ No	☐ Yes

OCCUPANT LOAD (per NFPA 101, Table 7.3.1.2)

Group B	1 Person / 150 Gross SF
Group A-2	1 Person / 15 Net SF for less concentrated
Storage Areas	1 Person / 300 Gross SF
Commercial Kitchen	1 Person / 200 Gross SF

OCCUPANT LOAD PER FLOOR

First Floor	501 Occupants
TOTAL:	501 Occupants

EXIT REQUIREMENTS

NUMBER AND ARRANGEMENT OF EXITS (per NFPA 101)

FLOOR, ROOM OR SPACE DESIGNATION	MINIMUM NUMBER OF EXITS REQ'D (13.2.4.2)	MINIMUM NUMBER OF EXITS SHOWN ON PLANS [2]	TRAVEL DISTANCE ALLOWABLE TRAVEL DISTANCE (13.2.6.2)	TRAVEL DISTANCE ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	ARRANGEMENT MEANS OF EGRESS (13.2.5) [1,3] REQUIRED DISTANCE BETWEEN EXIT DOORS	ARRANGEMENT MEANS OF EGRESS (13.2.5) [1,3] ACTUAL DISTANCE SHOWN ON PLANS
FIRST FLOOR	3	5	250'-0"	110'-0"	94-0"	127'-6"

[1] Corridor Dead Ends (13.2.5.1.3)
[2] Single Exits (13.2.4.2)
[3] Common Path of Travel (13.2.5.1.2)

EGRESS REQUIREMENTS

Travel Distance: 250 FT Sprinklered (Table 1017)
Dead End Corridor: 75 FT Sprinklered (1018.4), Basement 20 FT
Egress Width: (Level Travel) 2018 Life Safety Code: Table 7.3.3.1: 0.2" / Person
Egress Width: (Stairways) 2015 Life Safety Code: Table 7.3.3.1: 0.3" / Person
Minimum Corridor Width: 44 IN (1018.2)
Minimum Clear Opening of Exit Doors: 32 IN (1008.1.1)
Common Path of Egress Travel: 100' Sprinklered (1014.3), Basement 20 FT / 75 FT

PLUMBING FIXTURE REQUIREMENTS (per UFC 3-420-01) ALL FIXTURES ARE EXISTING

OCCUPANCY (OCCUPANTS)		WATER CLOSETS MALE	WATER CLOSETS FEMALE	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	SHWRS/ TUBS	DRINKING FNTNS REG.	DRINKING FNTNS ACCESS.
First Floor	Existing	3	4	4	5	4	2	1	1
	New	0	0	0	0	0	0	0	0
Total Provided		4	6	2	6	6	2	1	1
Total Required									

Number of Occupants is based on 60% Male/ 40% Female of the Dining Facility Occupants (See G-101)
Employees are to use the restrooms at the back of the Building which are out of scope for this Project.
Urinals may be substituted for up to 1/3 of the male water closets.
One service sink is required per floor.
Restrooms are existing and fixture count will be unchanged. Public restrooms are upgraded to current ABA requirements.

ENERGY SUMMARY This section for new construction, additions, and change of use.

ENERGY REQUIREMENTS: NO CHANGE

The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs. annual energy cost for the proposed design.

Climate Zone: ☐ 2a ☐ 3a ☐ 4 ☐ 5

Method of compliance:
☐ **Prescriptive** (Energy Code) ☐ **Performance** (Energy Code)
☐ **Prescriptive** (ASHRAE 90.1- 2010) ☐ **Performance** (ASHRAE 90.1 - 2010)

THERMAL ENVELOPE ■ No Change to Building Envelope

Roof/ceiling Assembly (each assembly)
Description of assembly N/A
U-Value of total assembly
R-Value of insulation
Skylights in each assembly
U-Value of skylight
total square footage of skylights in each assembly .

Exterior Walls (each assembly) N/A
Description of assembly
U-Value of total assembly
R-Value of insulation
Door R-Value

Walls adjacent to unconditioned space (each assembly)
Description of assembly N/A
U-Value of total assembly .
R-Value of insulation .
Openings (windows or doors with glazing) .
U-Value of assembly .
low e required, if applicable .
Door R-Value .

Walls below grade (each assembly)
Description of assembly N/A
U-Value of total assembly .
R-Value of insulation .

Floors over unconditioned space (each assembly)
Description of assembly N/A
U-Value of total assembly .
R-Value of insulation .

Floors slab on grade
Description of assembly N/A
U-Value of total assembly
R-Value of insulation
Horizontal/vertical requirement
slab heated

SPECIAL INSPECTIONS (per UFC 3-301-01)

☐ No Special Inspections required for this project (Existing Building) ☐ Special Inspections required (See Structural)
Building Occupancy Category (UFC 3-301-01): ☐ II ☐ III ☐ IV
If Occupancy Category II: Building height in feet: - No. Stories: -

If building in Occupancy Category II exceeds 45 feet or 3 stories or the building is an underground building per Section 405.1, then Special Inspections are required.

SCHEDULE OF SPECIAL INSPECTION SERVICES (See Structural)

The construction divisions which require special inspections for this project are as follows:

☐ IT-1 Verification of Soils
☐ IT-2 Excavation and Fill
☐ IT-3 Piling and Drilling Piers
☐ IT-4 Modular Retaining Walls >5-ft. high (1807.2)
☐ IT-5 Reinforced Concrete
☐ IT-6 Post Tension Slab
☐ IT-7 Precast Concrete Erection
☐ IT-8 Pre-stressed Concrete
☐ IT-9 Inspection of Precast Fabricators
☐ IT-10 Inspection of Structural Steel Fabricators
☐ IT-11 Structural Masonry
☐ IT-12 Welding
☐ IT-13 High Strength Bolts & Steel Framing Insp.
☐ IT-14 Sprayed Fire-Resistant Materials
☐ IT-15 Exterior Insulation and Finish Systems
☐ IT-16 Seismic Resistance
☐ IT-17 Smoke Control and Smoke Exhaust Systems
☐ IT-18 Detention Basin
☐ IT-19 Special Cases (1704.15):

SEE STRUCTURAL

10682 REGISTERED ARCHITECT SHELDON A. SESSE STATE OF WASHINGTON

DATE | DESCRIPTION | MARK
4/03/2024 | 100% READY TO ADVERTISE (RTA) SUBMITTAL | 1

DESIGNED BY: KM
DRAWN BY: KK
CHECKED BY: KK
SUBMITTED BY: EP
SIZE: ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

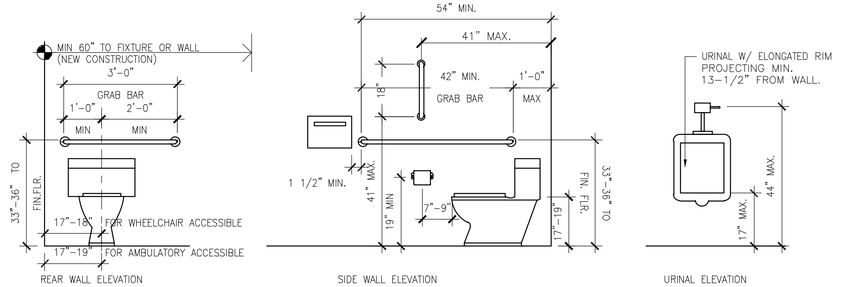
SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

CODE ANALYSIS - CONSTRUCTION INFORMATION

GENERAL

G004

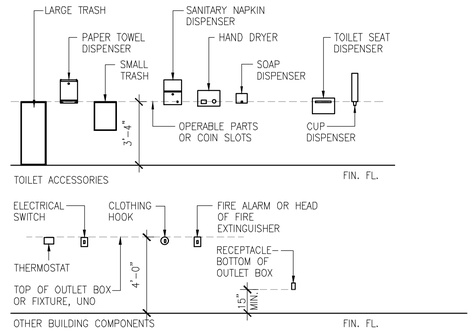


FOOTNOTE:

1. TOILET PAPER DISPENSERS THAT CONTROL DELIVERY OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED
2. REFER TO GRAB BAR SECTION DETAIL ON THIS SHEET.

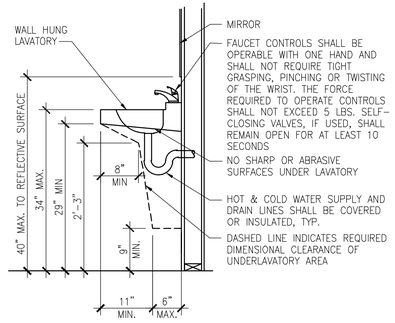
L2 TOILET ELEVATIONS

SCALE: 1/2" = 1'-0"



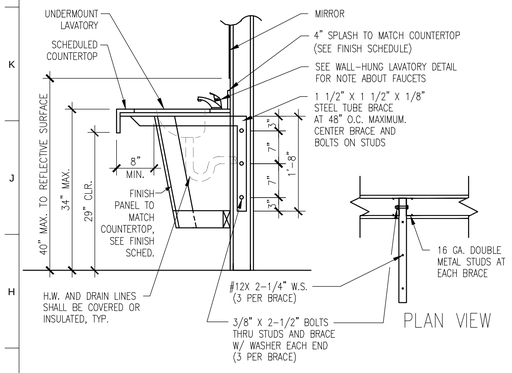
L9 ACCESSORY HEIGHTS

SCALE: 1/4" = 1'-0"



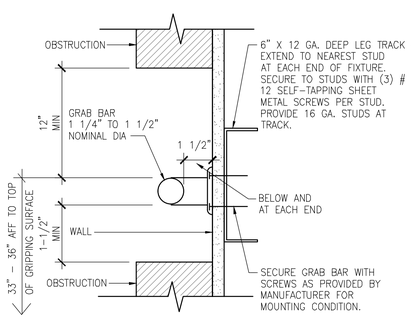
L14 WALL-HUNG LAVATORY

SCALE: 3/4" = 1'-0"



G1 COUNTERTOP LAVATORY

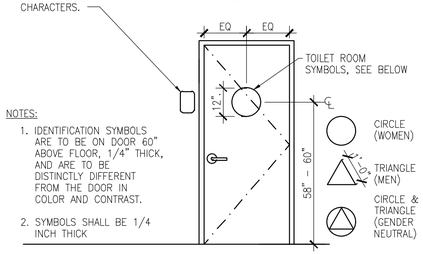
SCALE: 3/4" = 1'-0"



G6 GRAB BAR SECTION

SCALE: 3" = 1'-0"

TOILET ROOM IDENTIFICATION SIGN WITH CONTRACTED (GRADE 2) BRAILLE, SEE TACTILE SIGNAGE DETAILS - TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48" MINIMUM ABOVE FINISHED FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60" MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE IF THE HIGHEST LINE OF RAISED CHARACTERS.



NOTES:

1. IDENTIFICATION SYMBOLS ARE TO BE ON DOOR 60" ABOVE FLOOR, 1/4" THICK, AND ARE TO BE DISTINCTLY DIFFERENT FROM THE DOOR IN COLOR AND CONTRAST.
2. SYMBOLS SHALL BE 1/4 INCH THICK

G11 TOILET ROOM SIGNAGE

SCALE: 3/8" = 1'-0"

2. INTERIOR SIGNS

2.A GENERAL RECOMMENDATIONS

THE GRAPHICS AND INTERIOR SIGNAGE SHALL BE PROVIDED AS A TOTAL SYSTEM AND SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH LATEST UNIFIED FACILITIES CRITERIA (UFC) 3-129-01 AIR FORCE SIGN STANDARDS.

SIGNS SHALL BE CONSTRUCTED OF CLEAR MATTE ACRYLIC PLASTIC WITH A SUBSURFACE PRINTED BACKGROUND COLOR.

OFFICE IDENTIFICATION SIGNS SHALL HAVE A CLEAR SLEEVE TO ACCEPT PAPER OR PLASTIC INSERT IDENTIFYING TENANT OR TENANTS. WITH MORE THAN ONE DOOR TO A SPACE, DOOR NUMBERS SHALL BE ALPHANUMERIC, I.E. 110A, 110B, 110C.

RESTROOM DOOR SIGNS SHALL BE MEN AND WOMEN GRAPHIC SYMBOLS, CENTERED AND MOUNTED ON THE DOOR WITH THE TOP EDGE AT 5-FEET 6-INCHES ABOVE FINISHED FLOOR.

HEIGHT AND LOCATION OF SIGNS SHALL BE IN ACCORDANCE WITH LATEST UFC 3-120-01 UNLESS OTHERWISE SPECIFIED. SIGNS SHALL BE MOUNTED USING EITHER VINYL TAPE OR ADHESIVE AS RECOMMENDED BY THE MANUFACTURER FOR THE SPECIFIC APPLICATION.

ADHESIVE SHALL COVER THE ENTIRE BACK SURFACE OF THE SIGN PANEL.

SIGNS SHALL BE MOUNTED IN PLACE AFTER ALL OTHER INTERIOR WORK IN THE IMMEDIATE VICINITY HAS BEEN COMPLETED.

2.B APPROVED SIGN TYPES

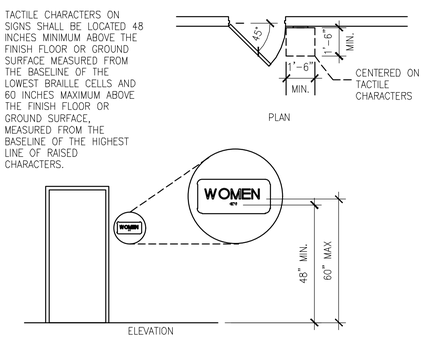
REFER TO THE LATEST AIR FORCE SIGN STANDARDS, UFC 3-120-01, FOR A FULL DESCRIPTION AND SPECIFICATIONS OF INTERIOR SIGN TYPES.

SIGNS SHALL COMPLY WITH ALL ADA AND ABA REQUIREMENTS WHERE APPLICABLE.

G16 AIRFORCE INTERIOR SIGNAGE STANDARD

NTS

TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS.



C1 TACTILE SIGN LOCATION

SCALE: 1/4" = 1'-0"

VISUAL CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS CHARACTER. (TEXT SHOWN IS AN EXAMPLE OF POSSIBLE TEXT - SEE PLAN FOR ACTUAL TEXT REQUIRED AT LOCATION OF THE UPPERCASE LETTER "I" SHALL BE 10 PERCENT MINIMUM AND 20 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER. (TEXT SHOWN IS AN EXAMPLE OF POSSIBLE TEXT - SEE PLAN FOR ACTUAL TEXT REQUIRED AT LOCATION NOTED)

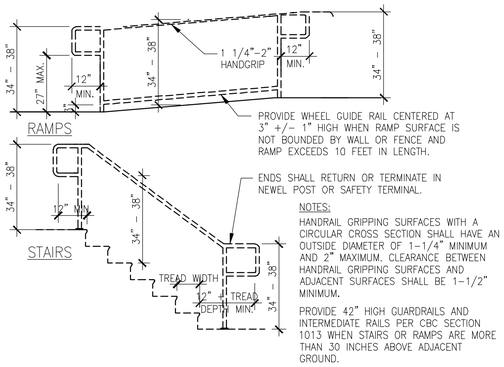
CHARACTERS, SYMBOLS AND BACKGROUND OF SIGN IS EGGSHELL, MATTE OR OTHER NON-GLARE FINISH. CHARACTERS CONTRAST WITH THEIR BACKGROUND (LIGHT CHARACTERS ON DARK BACKGROUND, OR DARK CHARACTERS ON A LIGHT BACKGROUND)

GRADE 2 BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, FLUSH LEFT OR CENTERED. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH MINIMUM AND 1/2 INCH MAXIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH MINIMUM FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

SIGNS ARE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR (AT DOUBLE LEAF DOORS AND WHEN THERE IS NO WALL SPACE AT THE LATCH SIDE, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT). SIGNS THAT IDENTIFY EXITS SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE EXITS THE ROOM OR SPACE. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. WHERE PERMANENT IDENTIFICATION SIGNAGE IS PROVIDED FOR ROOMS AND SPACES THEY SHALL BE LOCATED ON THE APPROACH SIDE OF IDENTIFICATION SIGNAGE IS PROVIDED FOR ROOMS AND SPACES THEY SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE ENTERS THE ROOM OR SPACE. SIGNS THAT IDENTIFY EXITS SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE EXITS THE ROOM OR SPACE.

C6 TACTILE SIGNAGE

SCALE: 1 1/2" = 1'-0"



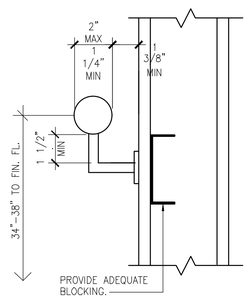
NOTES:

HANDRAIL GRIPPING SURFACES WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1-1/4" MINIMUM AND 2" MAXIMUM. CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACES AND ADJACENT SURFACES SHALL BE 1-1/2" MINIMUM.

PROVIDE 42" HIGH GUARDRAILS AND INTERMEDIATE RAILS PER CBC SECTION 1013 WHEN STAIRS OR RAMPS ARE MORE THAN 30 INCHES ABOVE ADJACENT GROUND.

C11 HANDRAILS

SCALE: 1/2" = 1'-0"



C16 HANDRAIL SECTION

SCALE: 3" = 1'-0"

DESIGNED BY: KM
DRAWN BY: KK
CHECKED BY: KK
SUBMITTED BY: ER
SIZE: ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

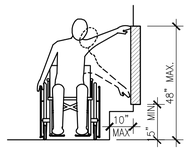
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

ACCESSIBILITY DETAILS AND NOTES

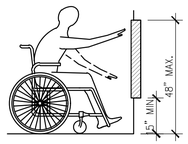
10082 REGISTERED ARCHITECT
KIMBERLINE M. TERSE
STATE OF WASHINGTON

GENERAL

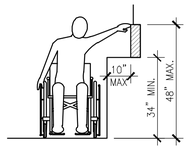
G005



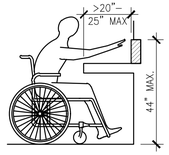
A – UNOBSTRUCTED SIDE REACH



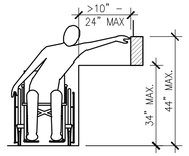
B – UNOBSTRUCTED FORWARD REACH



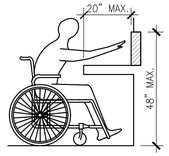
C – OBSTRUCTED HIGH SIDE REACH



D – OBSTRUCTED HIGH FORWARD REACH



E – OBSTRUCTED HIGH SIDE REACH



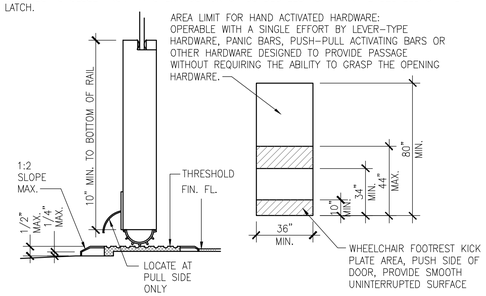
F – OBSTRUCTED HIGH FORWARD REACH

G – SIDE REACH AT LOCKERS

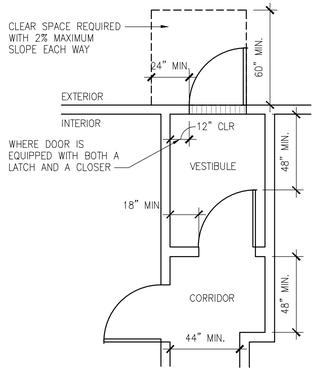
H – KNEE SPACE AT SEATING

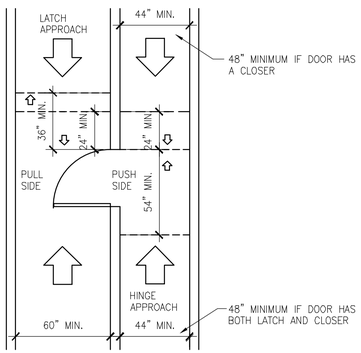
F1 REACH RANGES
SCALE: 3/8" = 1'-0"

NOTE:
MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LBS. FOR INTERIOR AND EXTERIOR DOORS, 15 LBS. FOR FIRE DOORS. DOOR CLOSERS, IF PRESENT, MUST BE SET SO THAT IT TAKES DOOR AT LEAST 5 SECONDS TO CLOSE FROM AN OPEN POSITION OF 90 DEGREES TO WITHIN 12 SECONDS TO CLOSE FROM AN OPEN POSITION OF 90 DEGREES TO WITHIN 12 DEGREES OF THE LATCH.



B1 DOOR DETAILS
SCALE: 3" = 1'-0"



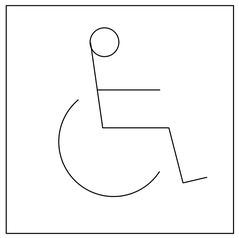


F6 MANEUVERING COMBO.
SCALE: 1/4" = 1'-0"

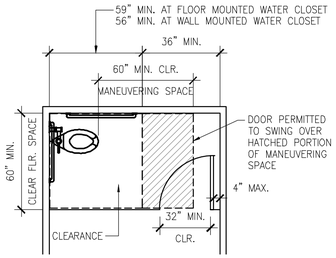
NOTES:
THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS.

THE SYMBOL SHALL CONSIST OF A WHITE FIGURE ON A BLACK BACKGROUND.

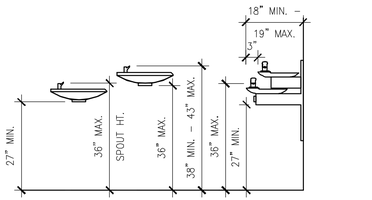
ATTACH SIGN WHERE SHOWN ON PLANS AT A HEIGHT OF 5'–0" TO THE CENTERLINE OF SIGN, UNLESS OTHERWISE NOTED



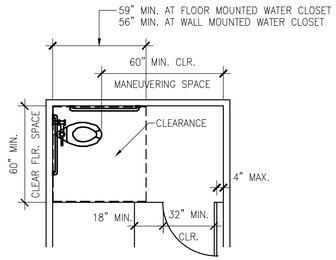
B6 ISA
SCALE: NTS



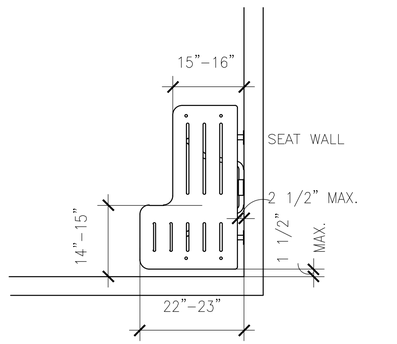
M11 SWING IN DOOR @ WC
SCALE: 1/4" = 1'-0"



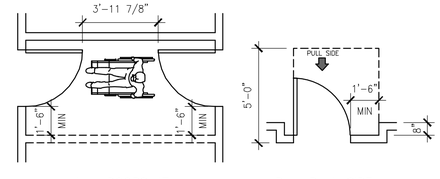
J11 DRINKING FOUNTAINS
SCALE: 1/2" = 1'-0"

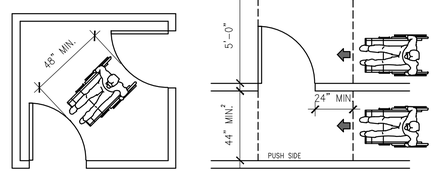


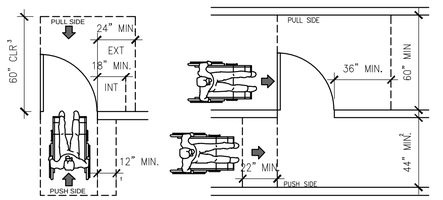
F11 SWING OUT DOOR @ WC
SCALE: 1/4" = 1'-0"



B11 ADA SHOWER SEAT *REFERENCE ONLY
SCALE: NTS







NOTE:
- ALL DOORS IN ALCOVES SHALL COMPLY WITH THE CLEARANCES FOR FRONT APPROACHES

FOOTNOTE:
1. PROVIDE THIS ADDITIONAL SPACE IF DOOR IS EQUIPPED WITH BOTH A LATCH AND A CLOSER.
2. 48" IF DOOR HAS BOTH A LATCH AND A CLOSER.
3. LANDING TO HAVE 2% MAX. SLOPE IN ANY DIRECTION.

B15 MANEUVERING CLEARANCES
SCALE: 1/4" = 1'-0"

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: KM
DRAWN BY: KK
CHECKED BY: KK
SUBMITTED BY: ER
SIZE: ANSI D
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PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

ACCESSIBILITY DETAILS AND NOTES

10682 REGISTERED ARCHITECT
KAROLINE M. TIERSE
STATE OF WASHINGTON

GENERAL

G006

SHEET INDEX:

S001 – GENERAL NOTES
S101 – FIRST FLOOR PLAN – DINING HALL
S501 – CONCRETE DETAILS
S502 – CONCRETE DETAILS
S901 – EQUIPMENT ANCHORAGE DETAILS

TESTING:

OWNER'S TESTING AGENCY SHALL PERFORM THE FOLLOWING TESTS AND SUBMIT APPROPRIATE REPORTS TO THE ARCHITECT, JURISDICTION AND OWNER.

1. PERFORM CONCRETE TESTING FOR CONCRETE IN ACCORDANCE WITH ACI 318.
   A. MAKE AND CURE THREE SPECIMEN CYLINDERS ACCORDING TO ASTM C31 FOR EACH 150 CUBIC YARDS OF CONCRETE POURED AT SITE EACH DAY.
   B. RETAIN ONE CYLINDER FOR SEVEN-DAY TEST AND TWO FOR THE 28-DAY TEST. TEST FOR SPECIFIED STRENGTH ACCORDING TO ASTM C39.
2. SUBMIT COMPLETE RECORD OF INSPECTION OF WORK FOR SHOP AND FIELD WELDING. SEE

ABBREVIATIONS

Ø	DIAMETER
AB	ANCHOR BOLT
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
ARCH	ARCHITECTURAL
BLDG	BUILDING
BLK'G	BLOCKING
BM	BEAM
BOF	BOTTOM OF FOOTING
BOT	BOTTOM
CB	COLUMN BASE
CC	CENTER TO CENTER
CL	CENTER LINE
CJ	CONSTRUCTION JOINT
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONN	CONNECTION
CONT	CONTINUOUS
CJP	COMPLETE JOINT PENETRATION
CTR	CENTER
CTRSK	COUNTERSINK
DCW	DEMAND CRITICAL WELD
DET	DETAIL
DF	DOUGLAS FIR
DWG	DRAWING
(E)	EXISTING
EA	EACH
EF	EACH FACE
EL OR ELEV	ELEVATION
ELECT	ELECTRICAL
EN	END (OR EDGE) NAILING
EQ	EQUAL
EW	EACH WAY
EXT	EXTERIOR
FDN	FOUNDATION
FG	FINISH GRADE
FIN	FINISH
FL OR FLR	FLOOR
FOC	FACE OF CONCRETE
FOS	FACE OF STUD
FRM'G	FRAMING
FS	FAR SIDE
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
HORIZ	HORIZONTAL
HSB	HIGH STRENGTH BOLT
HT	HEIGHT
INT	INTERIOR
JH	JOIST HANGER
JT	JOINT
LLH (LLV)	LONG LEG HORIZONTAL (VERTICAL)
LT	LIGHT
LT WT	LIGHT WEIGHT
MB	UNFINISHED MACHINE BOLTS
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MTL	METAL
MIN	MINIMUM
MISC	MISCELLANEOUS
(N)	NEW
NIC	NOT IN CONTRACT
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
NW	NORMAL WEIGHT
OC	ON CENTER
OD (ID)	OUTSIDE (INSIDE) DIAMETER
OPG	OPENING
OPP	OPPOSITE
OWSJ	OPEN WEB STEEL JOIST
PAF	POWER ACTUATED FASTENER
PL	PLATE
PJP or PP	PARTIAL JOINT PENETRATION
PLY	PLYWOOD
PT	POINT
PTN	PARTITION
REF	REFERENCE
REINF	REINFORCEMENT
REQ	REQUIRED
RO	ROUGH OPENING
SAD	SEE ARCHITECTURAL DRAWINGS
SED	SEE ELECTRICAL DRAWINGS
SCHED	SCHEDULE
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SLRS	SEISMIC LOAD RESISTING SYSTEM
SMD	SEE MECHANICAL DRAWINGS
SPA	SPACE
SPEC	SPECIFICATION
SQ	SQUARE
ST	STRAP TIE
STAGG'D	STAGGERED
STD	STANDARD
STRUCT	STRUCTURAL
SYMM	SYMMETRICAL
T&B	TOP AND BOTTOM
THRD'D	THREADED
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOP	TOP OF PLATE
TOS	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WP	WORK POINT
WT	WEIGHT

EXPANSION ANCHORS

1. EXPANSION ANCHOR PULL TEST VALUES:

HILTI KWIK-BOLT TZ EXPANSION ANCHORS IN NORMAL-WEIGHT CONCRETE-CRACKED

ANCHOR DIAMETER (in.)	MINIMUM EMBEDMENT DEPTH (in.) "h_{nom}"	MINIMUM EMBEDMENT CONC. THICKNESS (in.)	TENSION TEST VALUE (lbs) CONCRETE STRENGTH (psi) 3000	4000	TORQUE TEST VALUE (ft-lbs)
⅜	2⅜	4	1510	1740	25
½	3⅜	6	3265	3785	40
⅝	4⅞	6	5215	6030	60
¾	5⅜	8	6765	7825	110

SIMPSON STRONG BOLT 2 EXPANSION ANCHORS IN NORMAL-WEIGHT CONCRETE-CRACKED

ANCHOR DIAMETER (in.)	MINIMUM EMBEDMENT DEPTH (in.) "h_{nom}"	MINIMUM EMBEDMENT CONC. THICKNESS (in.)	TENSION TEST VALUE (lbs) CONCRETE STRENGTH (psi) 3000	4000	TORQUE TEST VALUE (ft-lbs)
⅜	2⅜	3½	990	1145	30
½	3½	5½	2295	2655	60
⅝	4⅜	6⅞	3735	4300	90
¾	5½	8½	5335	6145	150

2. TYPICAL EXPANSION ANCHORS ARE CARBON STEEL HILTI KWIK BOLT TZ2 OR SIMPSON STRONG-BOLT 2. INSTALLATION SHALL COMPLY WITH ICC REPORTS ESR-4266 OR ICC-ES REPORT ESR-3037 RESPECTIVELY.
3. SPECIAL INSPECTION OF ANCHORS IS REQUIRED AND SHALL COMPLY WITH IBC CHAPTER 17. THE SPECIAL INSPECTOR MUST BE ON THE JOB SITE PERIODICALLY DURING ANCHOR INSTALLATION TO VERIFY ANCHOR TYPE, ANCHOR DIMENSION, CONCRETE STRENGTH AND TYPE, HOLE DIMENSION AND CLEANLINESS, ANCHOR SPACING AND EDGE DISTANCE, CONCRETE THICKNESS, ANCHOR EMBEDMENT AND TIGHTENING TORQUE.
4. ALLOWABLE LOADS SHOWN CORRESPOND TO 100% OF THE VALUES CALCULATED FROM CODE REPORT FOR SINGLE ANCHORS IN CRACKED CONCRETE, HIGH SEISMIC ZONE LOADS, TEMP. RANGE A/1, CONDITIONAL, WITHOUT EDGE DISTANCE OR SPACING EFFECTS.
5. WHEN INSTALLING DRILLED-IN ANCHORS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING ANCHORS INTO EXISTING PRESTRESSED CONCRETE (PRE OR POST TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHORS.
6. HOLE DRILLING AND CLEANING PROCEDURES SHALL BE FOLLOWED AS DETERMINED BY THE MANUFACTURER'S INSTRUCTIONS.

SPECIAL INSPECTION:

SPECIAL INSPECTIONS SHALL BE DONE BY SPECIAL INSPECTORS THAT ARE QUALIFIED AND APPROVED FOR EACH AREA OF WORK STATED BELOW OR AS REQUIRED BY THE BUILDING OFFICIAL. ALL SPECIAL INSPECTIONS SHALL BE PAID FOR BY THE OWNER. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. THE SPECIAL INSPECTOR SHALL SUBMIT REPORTS TO THE OWNER, THE BUILDING OFFICIAL, THE CONTRACTOR, ARCHITECT, AND STRUCTURAL ENGINEER. THE SPECIAL INSPECTORS SHALL CONFORM TO AND FULFILL ALL OTHER RESPONSIBILITIES AS OUTLINED IN CHAPTER 17 OF THE IBC. THE SPECIAL INSPECTOR SHALL SUBMIT WRITTEN REPORTS OF OBSERVATIONS STATING TIME, DATE, LOCATION OF WORK AND OBSERVATION OF WORK BEING DONE.

INCLUDED WITH THE DESIGN DOCUMENTS IS THE STATEMENT OF SPECIAL INSPECTIONS. THIS DOCUMENT IS TO REMAIN ON THE JOB SITE WITH THE SET OF DRAWINGS AT ALL TIMES.

SPECIAL INSPECTIONS ARE REQUIRED, BUT NOT LIMITED TO THE FOLLOWING WORK. REFER TO THE STATEMENT OF SPECIAL INSPECTIONS FOR ADDITIONAL INFORMATION.

1. CONCRETE AND REINFORCING PLACEMENT. EXCEPT FOR THE FOLLOWING CONDITIONS:
   A. NON-STRUCTURAL SLAB ON GRADE.
2. WELDING EXCEPT FOR THE FOLLOWING: WELDED CONNECTIONS MADE BY AN APPROVED FABRICATOR'S SHOP NEED NO SPECIAL INSPECTION. WHEN BUILDING OFFICIAL ALLOWS, PERIODIC INSPECTIONS FOR FLOOR AND ROOF DECK WELDS AND COMPOSITE WELDED STUD.
3. HIGH STRENGTH BOLTING INSPECTION FOR BEARING TYPE CONNECTIONS (NON-SLRS) NEED BE PERFORMED ONLY AFTER INSTALLATION.
4. INSTALLATION OF ALL EMBEDDED ANCHORS, EXPANSION ANCHORS, AND EPOXY DOWELS
5. GROUTING OF CMU WALLS.

CONTRACTOR SUBMITTALS:

1. PROVIDE SHOP DRAWINGS FOR ALL REINFORCING STEEL, SHOWING BENDING, PLACEMENT DETAILS, SIZE AND LOCATION.
2. PROVIDE CERTIFIED COPIES OF ALL CONCRETE MIX DESIGNS INCLUDING COMPRESSIVE STRENGTH TEST REPORTS NO LESS THAN ONE WEEK PRIOR TO INSTALLATION OF CONCRETE.
3. PROVIDE SHOP DRAWINGS FOR ALL STRUCTURAL STEEL, SHOWING DETAILS INCLUDING CUTS, COPES, CONNECTIONS, HOLES, FASTENERS, AND WELDS.
4. ALL STEEL MEMBERS SHALL BE MADE IN AN APPROVED FABRICATOR'S SHOP, THE APPROVED FABRICATOR SHALL SUBMIT THE CERTIFICATE OF COMPLIANCE TO THE BUILDING INSPECTOR PRIOR TO ERECTION.

E. EXTERIOR WALL AT EXTERIOR FACE 1-1/2"
F. SLABS AND WALLS NOT EXPOSED TO WEATHER 1"

6. FINISH: SLABS ACI 301 "FLOATED FINISH", U.O.N.

STEEL

1. W AND WT SECTIONS: ASTM A992.
2. PLATES: ASTM A572, GR50 OR A36.
3. CHANNELS AND ANGLES: ASTM A36, U.O.N.
4. HSS: ASTM A500, GRADE B.
5. HIGH STRENGTH BOLTS: ASTM A325N.
6. MACHINE BOLTS: ASTM A307.
7. WELDING ELECTRODES: E-70XX.
8. WELDED HEADED STUDS: ASTM A108, TYPE H4L BY NELSON OR EQUAL.
9. ALL STEEL SHAPES AND PLATES AND STEEL DECKING EXPOSED TO WEATHER OR UNHEATED SPACES SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH G90 GALVANIZATION. TOUCH UP WELDED AREAS WITH GALV WELD REPAIR. PAINT EXPOSED SURFACES WITH EPOXY PAINT SYSTEMS AS REQUIRED BY ARCHITECTURAL DRAWINGS.
10. ALL WELDS TO BE SHOP WELDED WHERE POSSIBLE. FABRICATOR TO DETERMINE THE USE OF FIELD WELDS WHERE APPROPRIATE.

SHOTCRETE

1. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. SHOTCRETE MUST CONFORM TO THE REQUIREMENTS FOR REINFORCED CONCRETE AND THE PROVISIONS OF ACI 506.2 AND 506R.
3. REINFORCING BAR CLEARANCES AND SPLICES MUST MEET THE REQUIREMENTS OF CBC 1908A.4.2 AND 1908A.4.3. ALL LAP SPLICES TO BE NON-CONTACT WITH A MINIMUM OF 2 INCHES BETWEEN BARS.
4. ALL SHOTCRETE BUILDING ELEMENTS ARE TO BE SHOT MONOLITICALL BY FLOOR.
5. REMOVE ANY REBOUND OR ACCUMULATED LOOSE AGGREGATE FROM SURFACES TO BE COVERED PRIOR TO PLACING THE INITIAL OR ANY SUCCEEDING LAYERS OF SHOTCRETE. REBOUND CAN NOT BE USED AS AGGREGATE.
6. UNFINISHED WORK IS NOT BE ALLOWED TO STAND FOR MORE THAN 30 MINUTES, UNLESS OTHERWISE NOTED.
7. IN-PLACE SHOTCRETE THAT EXHIBITS SAGS, SLOUGHS, SEGREGATION, HONEYCOMBING, SAND POCKETS, OR OTHER OBVIOUS DEFECTS IS TO BE REMOVED AND REPLACED. SHOTCRETE ABOVE SAGS AND SLOUGHS IS TO BE REMOVED AND REPLACED WHILE STILL PLASTIC.
8. CURE SHOTCRETE IN ACCORDANCE WITH CBC 1908A.9.
9. STRENGTH TESTS FOR CONCRETE IN ACCORDANCE WITH ASTM C1604 MUST BE MADE BY AN APPROVED AGENCY ON SPECIMENS THAT ARE REPRESENTATIVE OF THE WORK AND WHICH HAVE BEEN WATER SOAKED FOR AT LEAST 24 HOURS PRIOR TO TESTING. SPECIMENS MUST BE GREATER THAN 3 INCH DIAMETER CORES OR 3 INCH CUBES. ALL SPECIAL INSPECTIONS AND TESTS PER 1705A ARE TO BE MET. CORE LOCATIONS SHALL NOT CUT REINFORCING AND SHALL BE APPROVED BY THE ARCHITECT.
10. PROVIDE TEST PANELS PER CBC 1908.5 WHERE REINFORCING BARS EXCEED #5, WHERE CONTACT LAP SPLICES ARE USED, OR WHERE REQUIRED BY THE BUILDING OFFICIAL. TEST PANEL CRITERIA IS IN ACCORDANCE WITH CBC 1908.10.2.
11. TAKE SPECIMENS FROM IN-PLACE WORK OR FROM TEST PANELS AT LEAST ONCE EACH SHIFT, BUT NOT LESS THAN ONE FOR EACH 50 CUBIC YARDS OF SHOTCRETE. ACCEPTANCE CRITERIA MUST MEET CBC 1908.10.3.

EPOXY ANCHORS

1. EPOXY ANCHOR PULL TEST VALUES:

PULL TEST VALUES FOR EPOXY ANCHORS IN CONCRETE

THREADED ROD DIAMETER (in.)	REBAR SIZE	MIN. EMBED. (in.)	TENSION TEST VALUE (LBS) CONCRETE STRENGTH (PSI) 2500	4000
⅜	#3	4	2030	2030
½	#4	4½	3000	3000
⅝	#5	6	4850	4850
¾	#6	7	6500	6500
⅞	#7	8	7500	7500
1	#8	9	8030	8030

2. EPOXY SHALL BE HILTI RE-500-V3 OR SIMPSON STRONG-TIE'S SET-XP. INSTALLATION SHALL COMPLY WITH LATEST ICC REPORTS ESR-2322 OR ESR-2508, RESPECTIVELY.
3. CARBON STEEL THREADED RODS SHALL CONFORM TO ASTM A193 GRADE B7. REINFORCING BARS SHALL COMPLY WITH ASTM A615 GRADE 60.
4. SPECIAL INSPECTION OF ANCHORS IS REQUIRED AND SHALL COMPLY WITH IBC CHAPTER 17. THE SPECIAL INSPECTOR MUST BE ON THE JOB SITE PERIODICALLY DURING ANCHOR INSTALLATION TO VERIFY ANCHOR TYPE, ANCHOR DIMENSION, CONCRETE STRENGTH AND TYPE, HOLE DIMENSION AND CLEANLINESS, ANCHOR SPACING AND EDGE DISTANCE, CONCRETE THICKNESS, ANCHOR EMBEDMENT AND TIGHTENING TORQUE. THE SPECIAL INSPECTOR MUST VERIFY THE INITIAL INSTALLATIONS OF EACH TYPE AND SIZE BY CONSTRUCTION PERSONNEL ON SITE. SUBSEQUENT INSTALLATIONS OF SIMILAR ANCHORS BY THE SAME CONSTRUCTION PERSONNEL MAY BE PERFORMED IN THE ABSENCE OF THE SPECIAL INSPECTOR.
5. ALLOWABLE LOADS CORRESPOND TO 100% OF VALUES CALCULATED FROM CODE REPORT FOR SINGLE ANCHORS IN CRACKED CONCRETE, TEMPERATURE RANGE A/1, HIGH SEISMIC ZONE C, D, E, OR F, CONDITION A, WITHOUT EDGE DISTANCE, CONCRETE THICKNESS OR SPACING EFFECTS, U.N.O.

GENERAL

1. SEE DRAWINGS OTHER THAN STRUCTURAL FOR: TYPES OF FLOOR FINISH AND THEIR LOCATION, FOR DEPRESSIONS IN FLOOR SLABS, FOR OPENINGS IN WALLS AND FLOORS REQUIRED BY ARCHITECTURAL AND MECHANICAL FEATURES, FOR STAIRS, CURBS, ETC.
2. NO PIPES OR DUCTS SHALL BE PLACED IN SLABS OR WALLS UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE ARCHITECT.
3. DRAWINGS AND SPECIFICATIONS REPRESENT FINISHED STRUCTURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO SHORING AND TEMPORARY BRACING. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO INSURE SAFETY OF ALL PERSONS AND STRUCTURES AT THE SITE AND ADJACENT TO THE SITE. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT, ENGINEER OR CONSTRUCTION MANAGER SHALL NOT RELIEVE THE CONTRACTOR OF SUCH RESPONSIBILITY.
4. OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES, AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND RESOLVED BEFORE PROCEEDING WITH THE WORK.
5. DO NOT USE SCALED DIMENSIONS; USE WRITTEN DIMENSIONS. WHERE NO DIMENSION IS PROVIDED, CONSULT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
6. IF CERTAIN FEATURES ARE NOT FULLY SHOWN OR CALLED FOR ON THE DRAWINGS OR SPECIFICATIONS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE CALLED FOR OR SHOWN. ALL DETAILS REFERENCED ONCE SHALL APPLY TO ALL SIMILAR CONDITIONS.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY LICENSES AND PERMITS. THE CONTRACTOR SHALL CONFORM TO ALL STATE AND LOCAL LAWS GOVERNING THE WORK.
8. ALL CONSTRUCTION TO BE PERFORMED IN A MANNER TO MINIMIZE IMPACT ON THE CONTINUING OPERATION OF THE BUILDING & SITE. CONTRACTOR TO PROVIDE APPROPRIATE BARRIERS AROUND CONSTRUCTION. COORDINATE ALL OPERATIONS WITH THE OWNER.
9. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES BEFORE BEGINNING WORK. SPECIAL CARE SHALL BE TAKEN TO PROTECT UTILITIES THAT ARE TO REMAIN IN SERVICE DURING CONSTRUCTION.
10. ALL FINISHES, STRUCTURAL ELEMENTS AND ARCHITECTURAL FEATURES AFFECTED BY CONSTRUCTION TO BE REPAIRED AND/OR REPLACED TO MATCH EXISTING CONSTRUCTION.
11. THE SCOPE OF WORK INCLUDES CLEANUP NECESSARY TO LEAVE THE BUILDING IN A NEAT AND USABLE CONDITION. ALL REMOVED ITEMS, MATERIALS AND DEBRIS, UNLESS OTHERWISE NOTED, SHALL BECOME THE PROPERTY OF THE DEMOLITION CONTRACTOR AND SHALL BE REMOVED PROMPTLY FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
12. NON-STRUCTURAL SEISMIC ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT NOT INDICATED ON THESE PLANS SHALL BE SUBMITTED AS A DEFERRED APPROVAL.

EXISTING CONSTRUCTION

1. WORK SHOWN IS NEW UNLESS NOTED AS EXISTING: (E).
2. THE CONTRACTOR SHALL VERIFY ALL EXISTING JOB CONDITIONS, REVIEW ALL DRAWINGS AND VERIFY DIMENSIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL DISCREPANCIES AND EXCEPTIONS BEFORE PROCEEDING WITH THE WORK.
3. THE REMOVAL, CUTTING, DRILLING, ETC. OF EXISTING WORK SHALL BE PERFORMED WITH GREAT CARE AND SMALL TOOLS IN ORDER NOT TO JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING. IF STRUCTURAL MEMBERS OR MECHANICAL, ELECTRICAL, OR ARCHITECTURAL FEATURES NOT INDICATED FOR REMOVAL INTERFERE WITH THE NEW WORK, THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED AND PRIOR APPROVAL SHALL BE OBTAINED BEFORE REMOVAL OF MEMBERS.
4. THE CONTRACTOR SHALL SAFELY SHORE EXISTING CONSTRUCTION WHEREVER EXISTING SUPPORTS ARE REMOVED TO ALLOW THE INSTALLATION OF THE NEW WORK. ALL SHORING METHODS AND SEQUENCING OF DEMOLITION SHALL BE SPECIFIED BY A LICENSED STRUCTURAL ENGINEER TO BE RETAINED BY THE CONTRACTOR.

DESIGN BASIS

1. STRUCTURAL CRITERIA REFERENCE DOCUMENT: INTERNATIONAL BUILDING CODE (IBC), 2021. INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2021.

CONCRETE

1. CONCRETE CLASSES:

CLASS	USE	28-DAY STRENGTH (PSI)	AGGREGATE SIZE (INCH)	WEIGHT (PCF)	W/C RATIO	% FLYASH
A	SLAB INFILL, EQUIPMENT PADS	4000	¾	145	0.5	15-25*
B	SHOTCRETE WALLS	4000	½	145	0.5	15-25*

2. ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED.
3. REINFORCING STEEL:
   A. BARS: ASTM A615, GRADE 60 OR A706, GRADE 60.
   B. ALL CONCRETE SHALL BE REINFORCED UNLESS SPECIFICALLY MARKED "NOT REINFORCED"
4. TERMINATION OF REINFORCEMENT
   A. TERMINATE ALL BARS IN LAPS, 90 DEGREE BENDS, OR WITH DOWELS INTO EXISTING CONCRETE.
   B. BEND TOP FOOTING BARS DOWN TO BOTTOM MAT AT ENDS.
   C. BEND BOTTOM FOOTING BARS UP WITH STANDARD 90 DEGREE BENDS.
   D. PROVIDE DOWELS INTO FOOTINGS AT WALLS OF SAME SIZE AND SPACING AS WALL VERTICAL REINFORCEMENT.
   E. ALL REINFORCEMENT MAY LAP WITH COUPLERS WHICH ARE 125% OF BAR STRENGTH OR GREATER. SUBMIT ICBO REPORT.
5. MINIMUM CONCRETE COVER FOR REINFORCING STEEL:
   A. SURFACES PLACED AGAINST EARTH 3"
   B. FORMED SURFACES BELOW GRADE 2"
   C. SURFACES EXPOSED TO WEATHER 2"
   D. BEAM AND COLUMN BARS (INCLUDING STIRRUPS OR TIES) 1-1/2"

REGISTERED PROFESSIONAL ENGINEER JOHN K. WESTPHAL No. 4575 Exp. 6-30-25 STRUCTURAL STATE OF CALIFORNIA

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTIZE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: JEG
DRAWN BY: BTV
CHECKED BY: JKW
SUBMITTED BY: JKW
SIZE: ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

GENERAL NOTES

STRUCTURAL
S001

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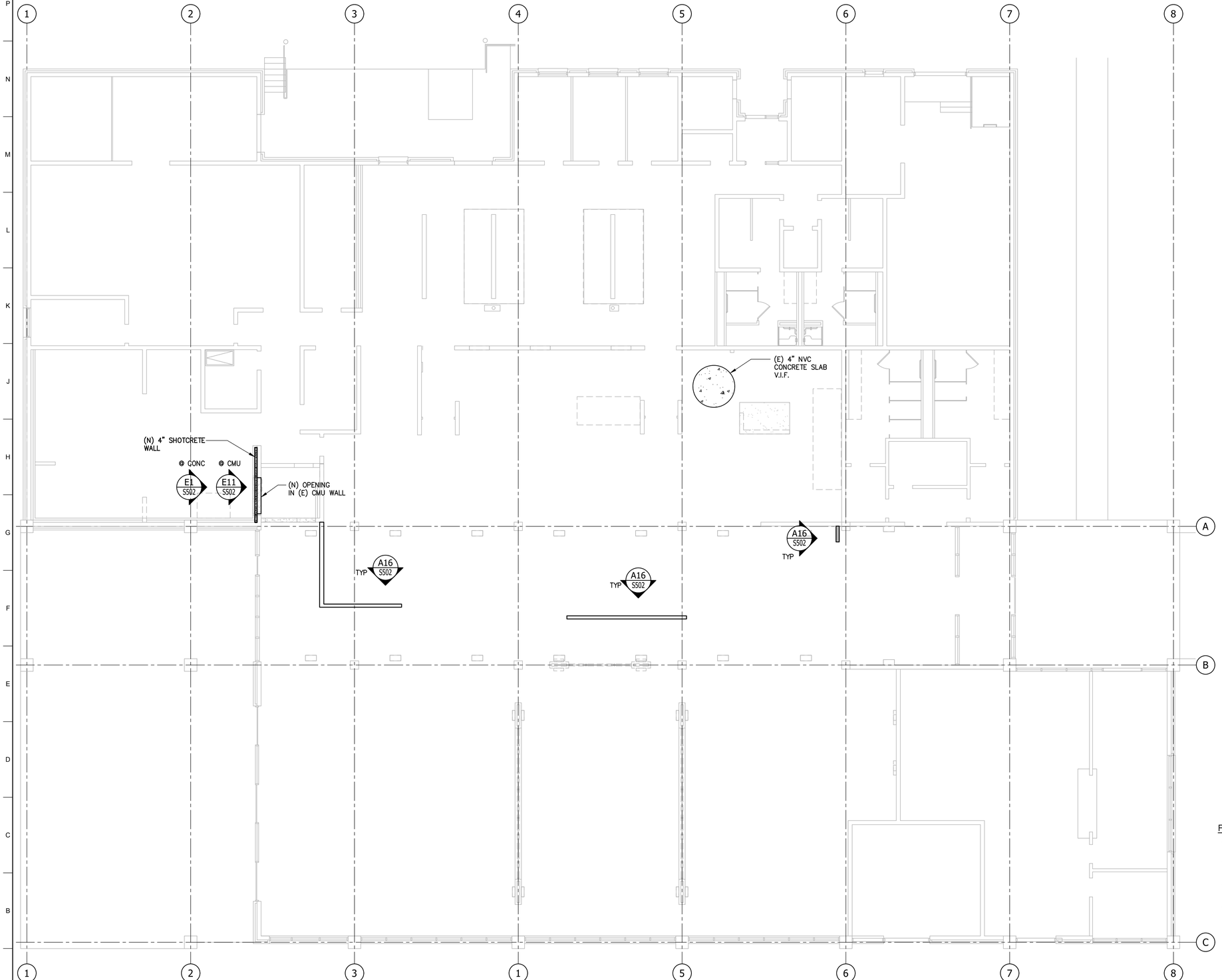

1 FIRST FLOOR PLAN

Scale: 1/8"=1'-0"

FOUNDATION PLAN NOTES

1. SEE GENERAL NOTES AND ABBREVIATIONS ON SHEET S001.
2. SEE THE FOLLOWING SHEETS FOR TYPICAL DETAILS NOT SPECIFICALLY REFERENCED: S501. S502.
3. CONTRACTOR MUST VERIFY IN FIELD ALL EXISTING CONDITIONS AND REPORT DISCREPANCIES OR CONFLICTS TO THE ARCHITECT PRIOR TO CONSTRUCTION.
4. SEE DRAWINGS OTHER THAN STRUCTURAL FOR DEPRESSIONS, CURBS, OPENINGS, ETC.

REGISTERED PROFESSIONAL ENGINEER JOHN K. WESTPFAHL No. 4575 Exp. 6-30-25 STRUCTURAL STATE OF CALIFORNIA

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FIRST FLOOR PLAN - DINING HALL

STRUCTURAL

S101

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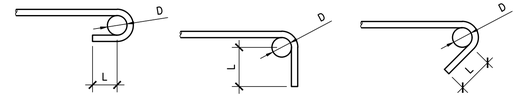
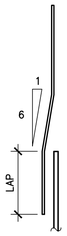
REBAR SIZE	MAIN REINFORCING			NOTES		
	D	180° HOOK L	90° HOOK L	D	90° HOOK L	135° HOOK L
#3	2¼"	4"	6"	1½"	3¾"	3"
#4	3"	4½"	8"	2"	4½"	3"
#5	3¾"	5"	10"	2½"	5¾"	3¾"
#6	4½"	6"	12"	4½"	12"	4½"
#7	5¼"	7"	14"	5¼"	14"	5¼"
#8	6"	8"	16"	6"	16"	6"
#9	9½"	10¼"	19½"			
#10	10¾"	11½"	22"			
#11	12"	12¾"	24¼"			
#14	18⅛"	17"	31¼"			



A 180° HOOK B 90° HOOK C 135° HOOK

K16 TYPICAL REBAR BENDS AND HOOKS

Scale: NTS



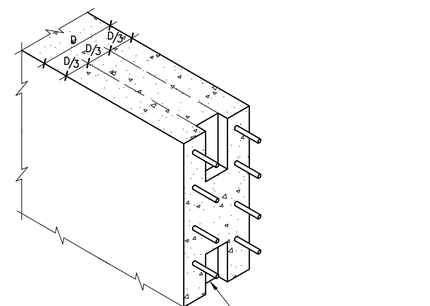
CONCRETE STRENGTH	f'c = 3000 PSI				f'c = 4000 PSI			
CLASS OF LAP SPLICE	CLASS "A"		CLASS "B"		CLASS "A"		CLASS "B"	
BAR SIZE \ CASE	BOTTOM BARS	TOP BARS	BOTTOM BARS	TOP BARS	BOTTOM BARS	TOP BARS	BOTTOM BARS	TOP BARS
#3	1'–4"	1'–9"	1'–9"	2'–4"	1'–2"	1'–6"	1'–6"	2'–0"
#4	1'–10"	2'–4"	2'–4"	3'–1"	1'–7"	2'–1"	2'–4"	3'–1"
#5	2'–1"	3'–0"	3'–0"	3'–10"	2'–0"	2'–7"	3'–0"	3'–10"
#6	2'–9"	3'–7"	3'–7"	4'–8"	2'–4"	3'–1"	3'–7"	4'–8"
#7	4'–0"	5'–2"	5'–2"	6'–9"	3'–6"	4'–6"	5'–2"	6'–9"
#8	4'–7"	5'–11"	5'–11"	7'–9"	3'–11"	5'–2"	5'–11"	7'–9"
#9	5'–2"	6'–10"	6'–10"	8'–8"	4'–5"	5'–9"	6'–8"	8'–8"
#10	5'–8"	7'–11"	7'–11"	9'–8"	4'–11"	6'–5"	7'–5"	9'–8"
#11	6'–3"	8'–2"	8'–2"	10'–7"	5'–5"	7'–1"	8'–2"	10'–7"

NOTES:

1. USE THE CLASS B LAP SPLICE LENGTHS, MULTIPLIED BY THE APPLICABLE FACTOR(S) LISTED BELOW,UNLESS OTHERWISE NOTED.
2. WHERE THE CLEAR SPACING OF BARS BEING SPLICED IS LESS THAN 2 BAR DIAMETERS, INCREASE THE LAP BY 50%.
3. WHERE THE BAR COVER IS LESS THAN OR EQUAL TO THE BAR DIAMETER, INCREASE THE LAP LENGTH BY 50%.
4. CLASS A SPLICES MAY ONLY BE USED WHERE NOTED ON THE DRAWINGS.
5. TOP BARS ARE ALL HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
6. LAP SPLICE LENGTHS IN TABLE ARE FOR NORMAL WEIGHT CONCRETE. WHERE LIGHTWEIGHT CONCRETE IS USED, INCREASE LAP SPLICE LENGTHS BY 30%.
7. SPLICES OF HORIZONTAL REINFORCEMENT IN WALLS SHALL BE STAGGERED.
8. SPLICES OF HORIZONTAL REINFORCEMENT IN WALLS CONTAINING TWO CURTAINS OF REINFORCEMENT SHALL NOT OCCUR IN THE SAME LOCATION.

D16 LAP SPLICE LENGTHS AND DEVELOPMENT

Scale: NTS

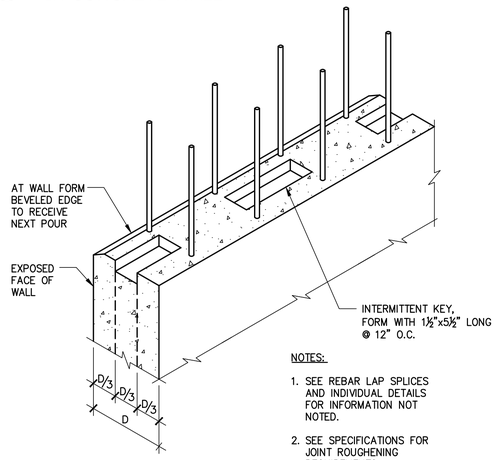


NOTES:

1. SEE REBAR LAP SPLICES AND INDIVIDUAL DETAILS FOR INFORMATION NOT NOTED.
2. SEE SPECIFICATIONS FOR JOINT ROUGHENING REQUIREMENTS.

F11 VERTICAL CONSTRUCTION JOINT IN CONCRETE WALL

Scale: N.T.S.



NOTES:

1. SEE REBAR LAP SPLICES AND INDIVIDUAL DETAILS FOR INFORMATION NOT NOTED.
2. SEE SPECIFICATIONS FOR JOINT ROUGHENING REQUIREMENTS.

A11 HORIZONTAL CONSTRUCTION JOINT IN CONCRETE WALL AND GRADE BEAM

Scale:N.T.S.

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1	100% READY TO ADVERTIZE (RTA) SUBMITTAL	4/03/2024

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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

CONCRETE DETAILS

STRUCTURAL

S501

REGISTERED PROFESSIONAL ENGINEER
JOHN K. WESTPFAHL
No. 4575
Exp. 6-30-25
STRUCTURAL
STATE OF CALIFORNIA

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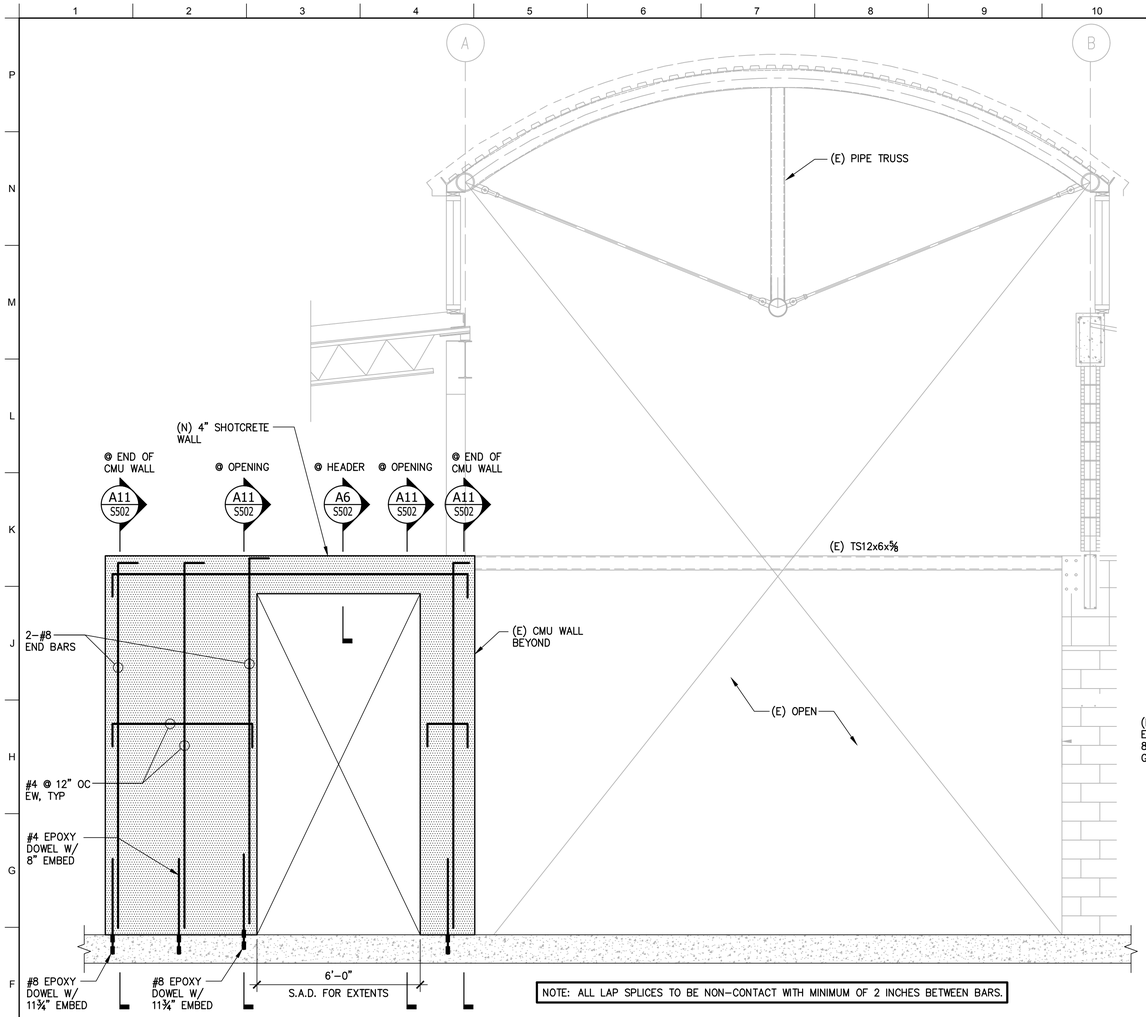
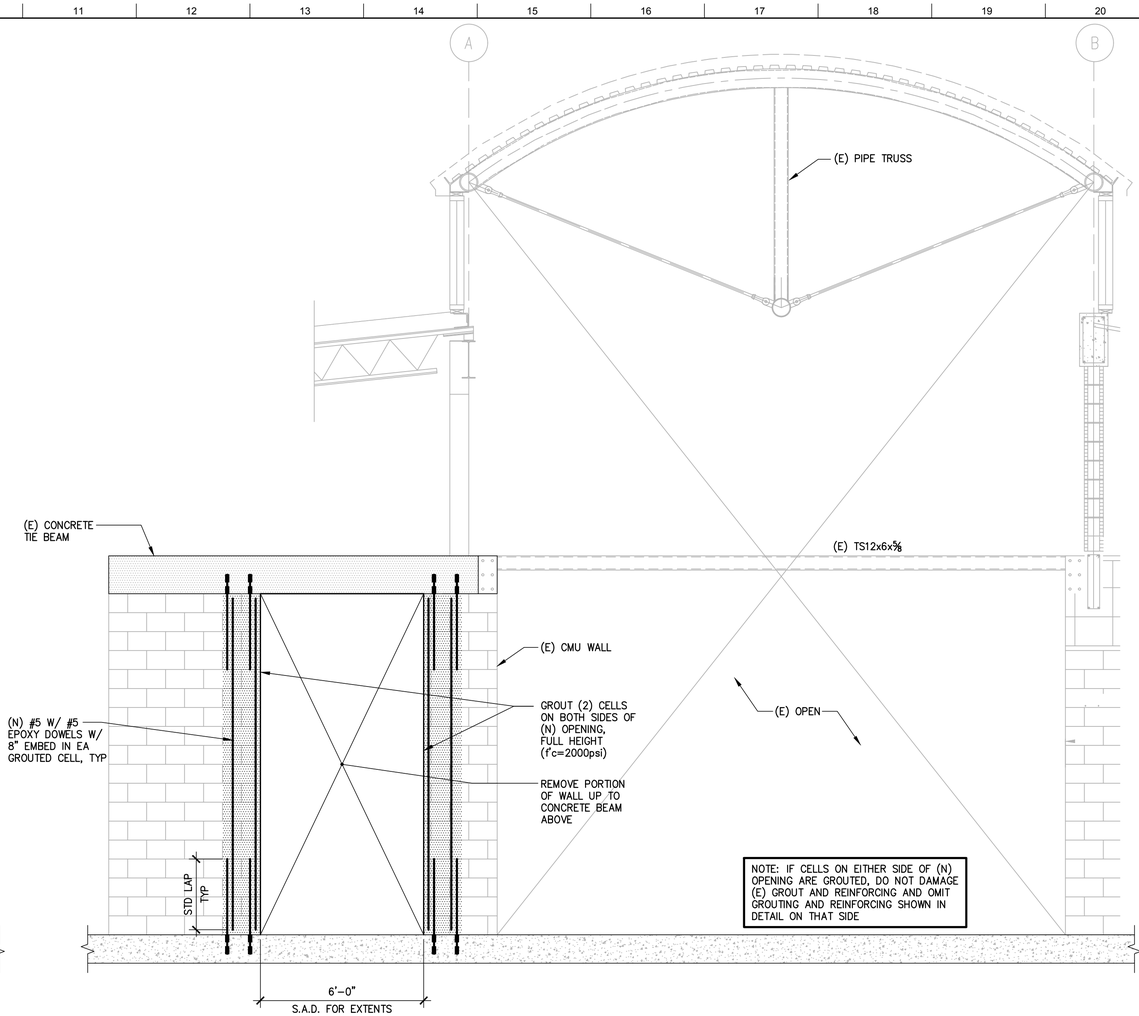


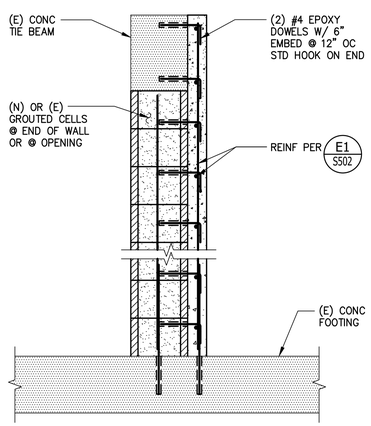
E1 (N) SHOTCRETE WALL

Scale: 3/8"=1'-0"



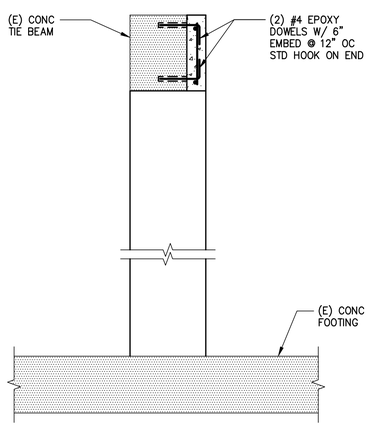
E11 (N) OPENING AT (E) CMU WALL

Scale: 3/8"=1'-0"



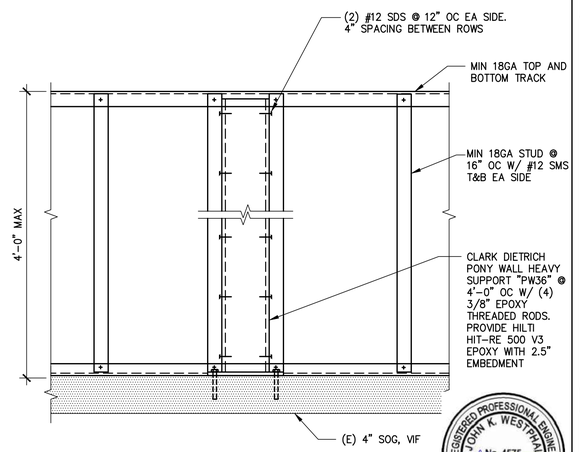
A11 SECTION

Scale: 3/4"=1'-0"



A6 SECTION

Scale: 3/4"=1'-0"



A16 PONY WALL SUPPORTS

Scale: 1 1/2"=1'-0"

REGISTERED PROFESSIONAL ENGINEER JOHN K. WESTPHAL No. 4575 Exp. 6-30-25 STRUCTURAL STATE OF CALIFORNIA

U.S. AIRFORCE SERVICE CENTER
HQ AIR FORCE SERVICE CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

SALAS O'BRIEN
55 HARRISON STREET
SUITE 550
OAKLAND, CA 94607

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTIZE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: JEG
DRAWN BY: BTV
CHECKED BY: JKW
SUBMITTED BY: JKW
SIZE: ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

CONCRETE DETAILS

STRUCTURAL

S502

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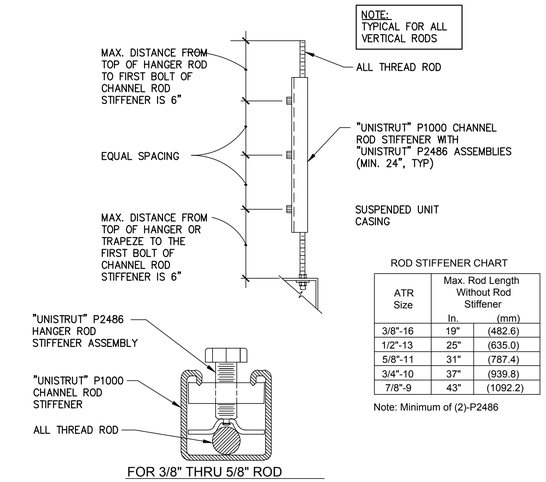


FOR 3/8" THRU 5/8" ROD

(FOR 3/4" & 7/8" ROD USE SC-UB)

ROD STIFFENER CHART

ATR Size	Max. Rod Length Without Rod Stiffener	
	In.	(mm)
3/8"-16	19"	(482.6)
1/2"-13	25"	(635.0)
5/8"-11	31"	(787.4)
3/4"-10	37"	(939.8)
7/8"-9	43"	(1092.2)

Note: Minimum of (2)-P2486

K6 ROD STIFFENER DETAIL

Scale: NTS

EQUIPMENT AND TANK ANCHORAGE SCHEDULE

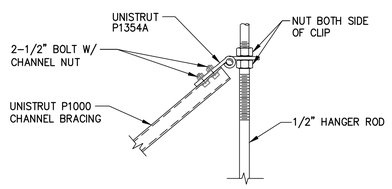
EQUIP NO.	EQUIP NAME/ DESCRIPTION	WT (LBS)	"W" OR DIA (IN)	"L" LENGTH (IN)	"H" HEIGHT (IN)	ANCHORS	REF DETAIL	REMARKS/ LOCATION
127	EXHAUST HOOD					SEE DETAIL	F16 S901	SEE FOOD SERVICE DRAWINGS FOR EQUIPMENT LOCATIONS AND DIMENSIONS
154	EXHAUST HOOD					SEE DETAIL	F16 S901	SEE FOOD SERVICE DRAWINGS FOR EQUIPMENT LOCATIONS AND DIMENSIONS

NOTES:

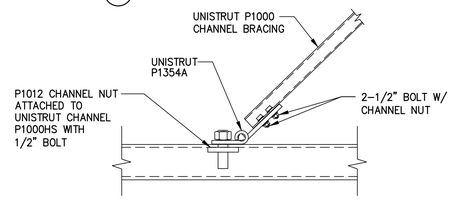
1. ANCHORS SPECIFIED ARE MINIMUM QUANTITIES. ADDITIONAL ANCHORS SHALL BE INSTALLED AS REQUIRED BY MANUFACTURER.
2. CONTRACTOR SHALL SUBMIT ALL EQUIPMENT CUT SHEETS (INDICATING DIMENSIONS & OPERATING WEIGHTS) TO KPW FOR FINAL REVIEW PRIOR TO INSTALLATION.
3. SEE EXPANSION ANCHOR SECTION OF GENERAL NOTES FOR SPECIFICATIONS, MINIMUM EMBEDMENT DEPTH, & INSTALLATION INFORMATION.
4. STAINLESS STEEL HARDWARE SHALL HAVE ISOLATION MATERIAL AS REQUIRED AT CARBON STEEL INTERFACES

L11 EQUIPMENT ANCHORAGE

Scale: NTS



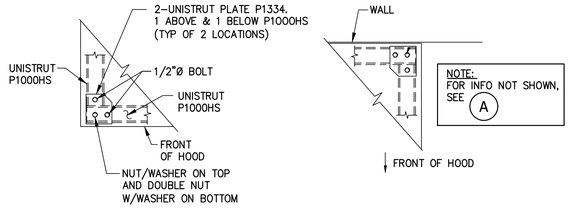
A BRACING CONNECTION @ ALL-THREAD



B BRACING CONNECTION @ P1000HS

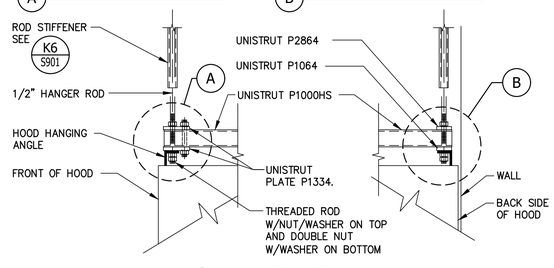
F11 DIAGONAL HOOD BRACING DETAIL

Scale: NTS



A FRONT OF HOOD DETAIL

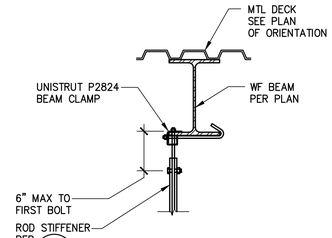
B BACK OF HOOD DETAIL



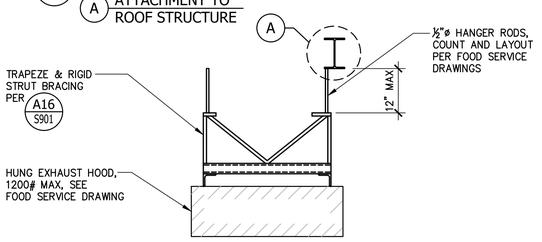
C HOOD SIDE VIEW

A11 HOOD HANGING SUPPORT

Scale: NTS

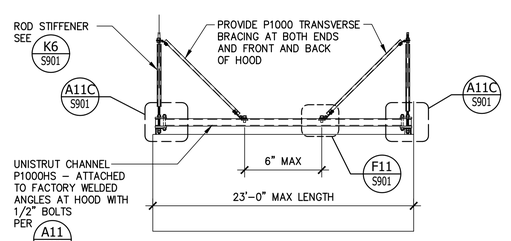


A ATTACHMENT TO ROOF STRUCTURE

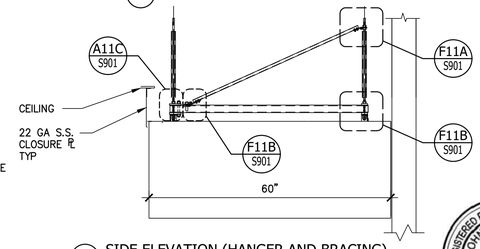


F16 EXHAUST HOOD SUPPORT

Scale: 1" = 1'-0"



A FRONT ELEVATION (HANGER AND BRACING)



A SIDE ELEVATION (HANGER AND BRACING)

A16 EXHAUST HOOD ATTACHMENT DETAIL

Scale: NTS

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1	100% READY TO ADVERTIZE (RTA) SUBMITTAL	4/03/2024

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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

EQUIPMENT ANCHORAGE DETAILS

STRUCTURAL

S901

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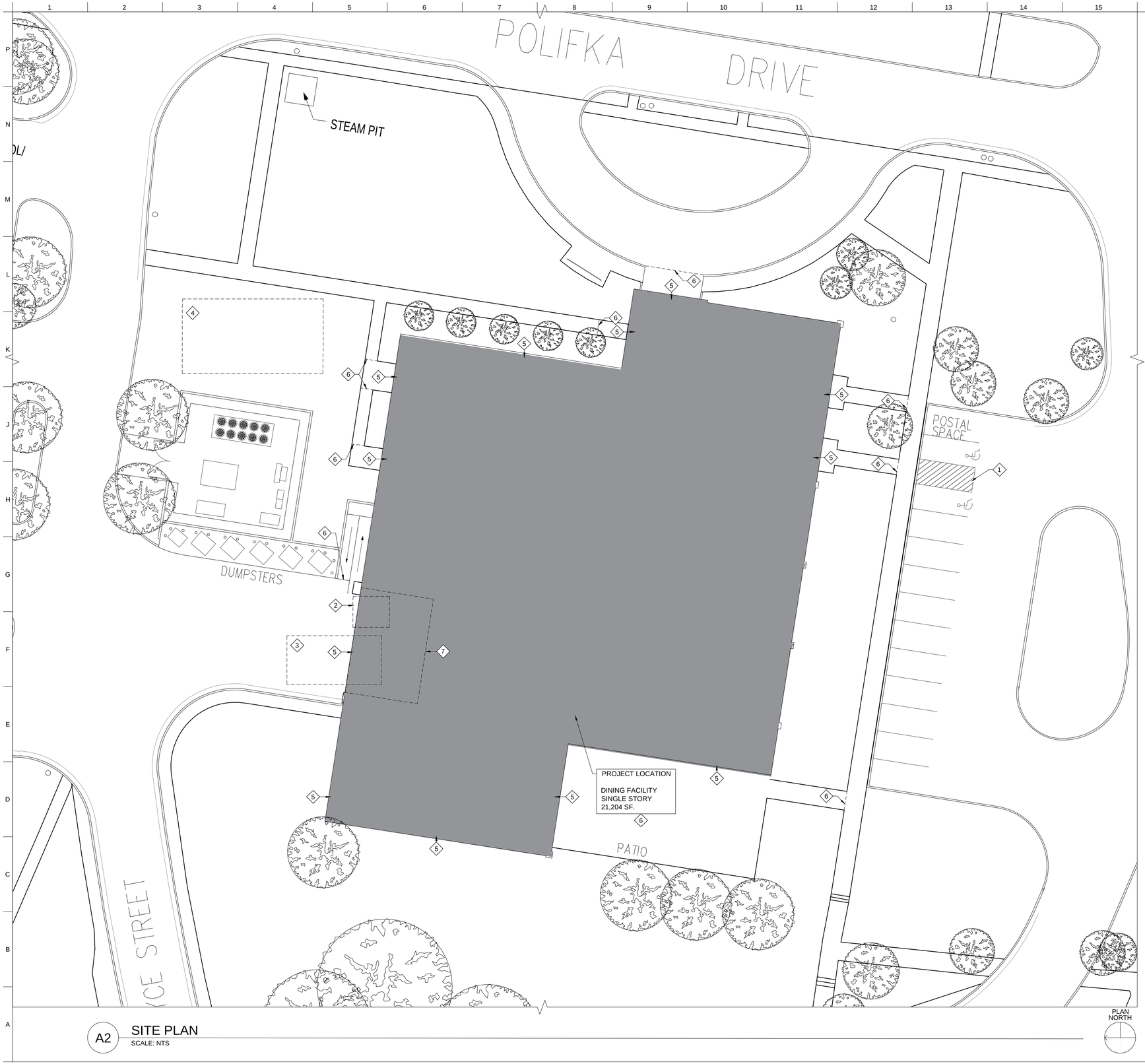

A2 SITE PLAN
SCALE: NTS

SHEET NOTES

1. IN THE EVENT OF INCONSISTENCIES BETWEEN ARCHITECTURAL AND CONSULTANT BASE PLANS THE ARCHITECTURAL SHEET SHALL TAKE PRECEDENCE. REPORT DISCREPANCIES PRIOR TO PROCEEDING WITH AFFECTED WORK.
2. THESE DRAWINGS ARE FOR ALTERATION WORK. VISIT SITE. VERIFY CONDITION AND DIMENSIONS OF THE EXISTING SITE AND STRUCTURE PRIOR TO SUBMITTING BIDS.
3. DO NOT SCALE DRAWINGS FOR CONSTRUCTION DIMENSIONS OR TOLERANCES. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER DRAWINGS. REQUEST CLARIFICATION IN WRITING PRIOR TO PROCEEDING.
4. DIMENSIONS ARE FACE TO FRAMING UNO.
5. COORDINATE DIMENSIONS ON PLANS AND FIELD VERIFY PRIOR TO CONSTRUCTION. REPORT DISCREPANCIES PRIOR TO PROCEEDING WITH AFFECTED WORK.
6. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE APPROPRIATE GOVERNMENT COMPANIES. FIELD VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION/DEMOLITION.
7. ALL DEMOLISHED MATERIALS SHALL BE PROPERLY DISPOSED OF OFFSITE.
8. DEMOLITION WORK TO BE COORDINATED WITH ALL TRADES. CONTRACTOR IS RESPONSIBLE FOR ALL DEBRIS REMOVAL FROM THE SITE ON A DAILY BASIS. SEE MECHANICAL AND ELECTRICAL DRAWINGS & SPECIFICATIONS FOR CRITICAL PHASING.
9. CONTRACTOR SHALL AT NO TIME TOTALLY BLOCK EXIT FROM BLDG.
10. SITE AND BUILDING IS TO REMAIN SECURE AT ALL TIMES. ACCESS POINTS TO SITE AND BUILDING SHALL NOT BE LEFT UNATTENDED AT ANY TIME. CONTRACTOR TO NOTE THAT EXCEPTIONS TO THIS RULE WILL NOT BE TOLERATED.
11. ALL CONSTRUCTION AND DEMOLITION DEBRIS IS TO BE REMOVED FROM THE SITE AS SOON AS POSSIBLE. CONTRACTOR IS RESPONSIBLE FOR ALL DISPOSAL PER GOVERNMENT REQ'S & LOCAL ORDINANCE.
12. PROVIDE GENERAL PROJECT DEMOLITION AND PHASING MOP BEFORE THE START OF ANY SITE WORK. NO EXCEPTIONS.
13. COORDINATE ALL WORK WITH ALL DRAWINGS AND SPECIFICATIONS. VERIFY W/ ARCH IF ANY DISCREPANCIES.
14. CONTRACTOR TO COORD & OBTAIN ANY/ALL RIGHT OF WAY/STREET, USE PERMITS & APPROVALS FROM AHJ AS REQ'D.
15. FRONT ENTRY PATIO RECEIVES REPAIRS TO COLUMNS AND TILE.

KEYNOTES

1. EXISTING ADA PARKING STALLS TO REMAIN.
2. CONSTRUCTION DUMPSTER.
3. MATERIAL DELIVERY AREA.
4. STAGING AREA.
5. PRESSURE WASH BUILDING EXTERIOR AND CERAMIC TILE WALKWAY AROUND ENTIRE FACILITY. INCLUDE ROOFS & GUTTERS, DOWNSPOUTS, UNDERSIDE OF EXTERIOR SOFFITS & BEAM. INCLUDE ENTRY AREAS OF WALKWAYS, DRIVES, & EATING COURTYARDS. HORIZONTAL SURFACES UNDER THE DRIP LINE OF THE BUILDING SHALL ALSO BE INCLUDED.
6. TYPICAL EXTENT OF PRESSURE WASHING ON HORIZONTAL SURFACE.
7. CLEAN UNDER DRIP LINE OF LOADING DOCK TO PERIMETER OF BUILDING.

ADD / ALTERNATES

NO ADD / ALTERNATES USED.

LEGEND

EXISTING TO REMAIN

OUTLINE OF CONTRACTING AREAS

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DRAWN BY: KK
CHECKED BY: KK
SUBMITTED BY: ER
SIZE: 22"x34"
ANSI D

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
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SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

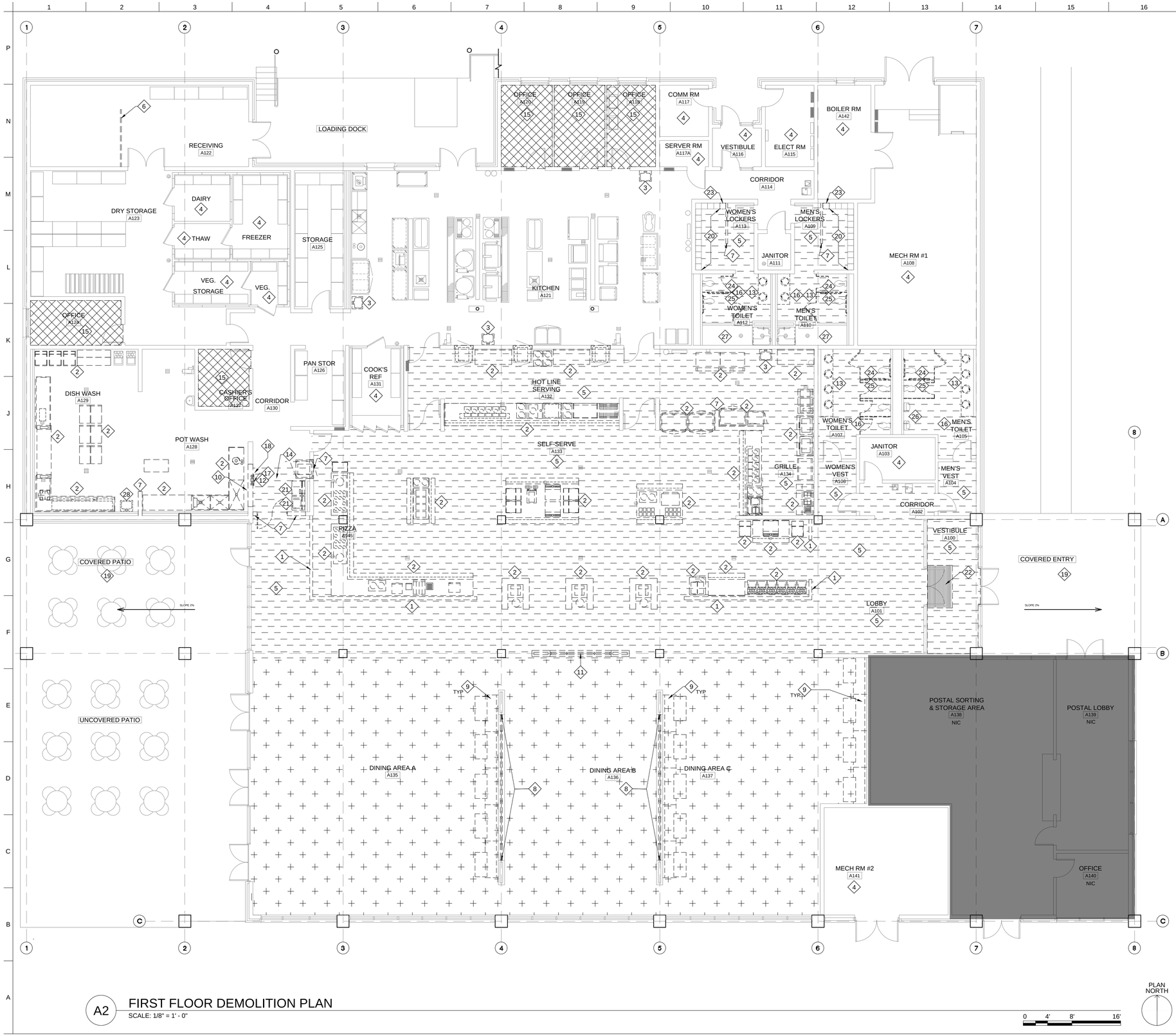
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

SITE PLAN

10682 REGISTERED ARCHITECT
KAROLINE M. DERSE
STATE OF WASHINGTON

ARCHITECTURAL

A001



A2 FIRST FLOOR DEMOLITION PLAN

SCALE: 1/8" = 1' - 0"

PLAN NORTH

0 4' 8' 16'

SHEET NOTES

1. SEE M, E, P DRAWINGS FOR MORE INFORMATION.
2. ALL DIMENSIONS ARE TO BE FIELD VERIFIED DEMOLISH COORDINATED W/ THE FOOD SERVICE EQUIPMENT AND MILLWORK.
3. PROTECT AREAS FROM DEMOLITION WHERE EXISTING CONDITIONS REMAIN.
4. DRAWINGS & DIMENSIONS OF EXISTING CONDITIONS HAVE BEEN OBTAINED FROM FIELD MEASUREMENTS. IF DIMENSIONAL DISCREPANCIES OR OTHER ELEMENTS CONCEALED IN WALLS ARE NOTED, REPORT DISCREPANCIES TO ARCHITECT PRIOR TO PROCEEDING.
5. REMOVE ENTIRE SERVING LINE SYSTEM (STAINLESS STEEL COUNTERS, SHELVES, HOT/COLD SERVING LINE WELLS, SALAD BAR, PO5 COUNTERS, ETC.). REMOVE HOODS & MAINTAIN DUCTWORK FOR RECONFIGURATION AT NEW HOOD LOCATIONS. SEE FOOD SERVICE DRAWINGS FOR MORE DETAILED INFORMATION.
6. SEE PLUMBING DRAWINGS FOR DEMOLITION IN SUPPORT OF NEW FLOOR SINKS & DRAINS.
7. SEE SITE PLAN FOR SITE DEMOLITION.
8. DEMOLISH ALL WALL COVERING & PLASTIC BUMPER RAILS/CORNER GUARDS IN DINING & SERVERY AREAS. REPAIR, PATCH & PREP WALLS AS REQUIRED TO RECEIVE NEW FINISHES
9. SEE A2/A105 FOR ATRIUM WINDOW & GWB REPAIR.

KEYNOTES

1. REMOVE ENTIRE STEMWALL ASSEMBLY. STEMWALL IS CMU STRUCTURE.
2. DEMOLISH CASEWORK & NEON SIGNS IF PRESENT IN ITS ENTIRETY.
3. DEMOLISH LAVATORY & LEVERS & PATCH WHERE REQD; PREP FOR NEW STAINLESS STEEL WALL MOUNT UNIT.
4. NO ARCHITECTURAL WORK IN THIS AREA. PROTECT ALL WALLS, CEILING, & FINISHES FROM DAMAGE. SEE MEP DRAWINGS FOR MORE INFO.
5. DEMOLISH BASE & FLOOR TILE IN ITS ENTIRETY & PREP WALLS & SLAB TO RECEIVE NEW FINISHES.
6. REMOVE & RELOCATE PARTITION PER A101.
7. DEMOLISH WALL AS SHOWN, TO LET IN NEW WORK. PATCH, REPAIR WALLS & FLOOR AS REQD.
8. DEMOLISH UPPER PANEL & FRAME & REPLACE W/ NEW. SEE DETAIL A6/A601. LOWER STEM WALL & STRUCTURE TO REMAIN; PATCH & REPAIR AS REQD FOR INSTALLATION OF NEW RESIN PANEL.
9. DEMOLISH BANQUETTES.
10. DEMOLISH AS NEEDED FOR STRUCTURAL IMPROVEMENTS & REQD OPENING. SEE STRUCTURAL & REFER TO SHEET A2/A104 FOR NEW OPENING LOCATION.
11. DEMOLISH WALL W/ FRAME & PANELS. PATCH & REPAIR FLOORING & SOFFIT AS REQD FOR NEW WORK.
12. REMOVE & SALVAGE EXISTING ELEC PANEL FOR INSTALLATION OF NEW WALL & DOOR. COORD NEW PANEL LOCATION W/ ELEC DRAWINGS.
13. DEMOLISH LAVATORIES, LAVATORY COUNTERS, & PLUMBING ACCESSORIES AS SHOWN. COORD W/ MEP DRAWINGS FOR COMPLETE DEMOLITION SCOPE. INFILL SLAB AS REQD WHERE PLUMBING REMOVED.
14. DEMOLISH FLOOR TILE AS REQUIRED TO SUPPORT NEW WALL CONFIGURATION & PREP FLOOR FOR REPLACEMENT.
15. DEMOLISH VCT, RUBBER BASE & TRANSITION STRIP. PREP FOR NEW FLOORING.
16. DEMOLISH BASE, WALL, & FLOOR TILE IN ITS ENTIRETY & PREP WALLS & SLAB TO RECEIVE FINISHES.
17. REMOVE FURRING TO EXPOSE SHEAR WALL. SEE STRUCTURAL. SEE ELEC FOR RELOCATION OF SUB PANEL. NOTCHING OF CMU MAY BE REQD.
18. RELOCATE ELEC CONTROLS TO NEAREST CONVENIENT LOCATION. COORD W/ ELEC.
19. REMOVE AND REPLACE DAMAGED QUARRY TILE & COVE BASE AROUND EXTERIOR OF FACILITY. UP TO 60 TILES & BASE TILE.
20. LOCKERS TO REMAIN. PROTECT FROM DAMAGE, UNO.
21. REMOVE WASHER/DRYER.
22. DEMOLISH WALK-OFF MAT.
23. DEMOLISH LOCKER & LOCKER PLINTH AS INDICATED, PATCH & REPAIR WALL & FLOOR AS REQD.
24. REMOVE TOILET PARTITION(S), HAND DRYERS, MIRRORS, & ALL ACCESSORIES AS REQD FOR MODIFICATIONS. SALVAGE SEAT COVER DISPENSER & SOAP DISPENSER FOR REINSTALL.
25. TOILETS TO REMAIN; PROTECT FROM DAMAGE.
26. URINALS TO REMAIN; PROTECT FROM DAMAGE.
27. (E) FINISHES IN SHOWER (FLOOR, WALL, & BASE) TO REMAIN.
28. DEMOLISH (E) LAVATORY. PATCH & REPAIR PLUMBING AS REQUIRED.

ADD / ALTERNATES

NO ADD / ALTERNATES USED.

LEGEND

- DEMOLITION
- EXISTING TO REMAIN
- DEMOLISH TILE AND BASE
- DEMOLISH CPT AND BASE
- DEMOLISH WALK-OFF GRATE
- DEMOLISH VCT AND BASE
- NIC (NOT IN CONTRACT)

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SIZE: 22"x34" ANSI D

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SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

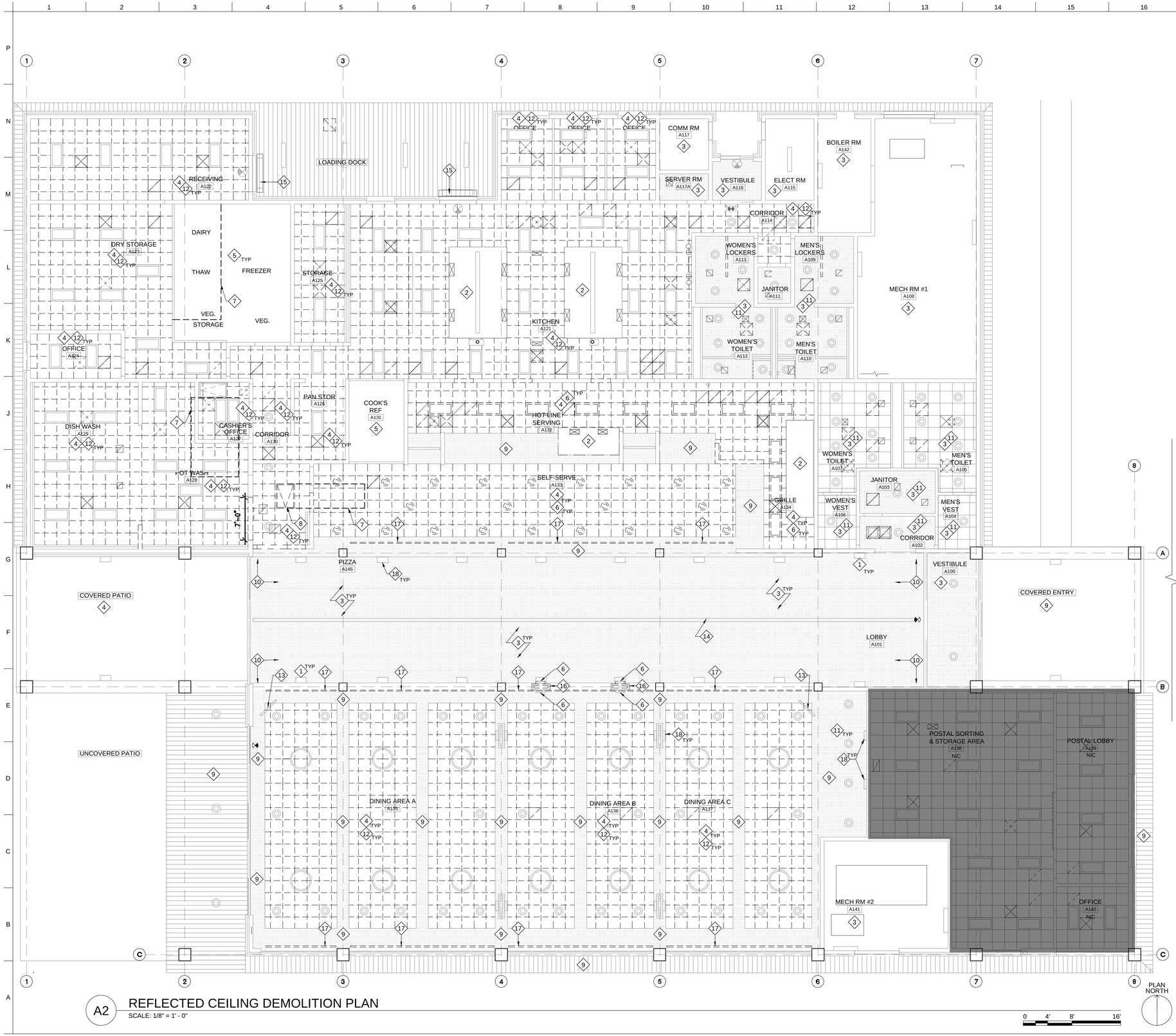
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FIRST FLOOR DEMOLITION PLAN

10682 REGISTERED ARCHITECT CAROLINE N. TOSSE STATE OF WASHINGTON

ARCHITECTURAL

AD101



A2 REFLECTED CEILING DEMOLITION PLAN

SCALE: 1/8" = 1' - 0"

SHEET NOTES

1. SEE M, E, P DRAWINGS FOR MORE INFORMATION.
2. ALL DIMENSIONS ARE TO BE FIELD VERIFIED AND COORDINATED WITH THE FOOD SERVICE EQUIPMENT AND MILLWORK.
3. PROTECT AREAS FROM DEMOLITION WHERE EXISTING CONDITIONS REMAIN.
4. DRAWINGS AND DIMENSIONS OF EXISTING CONDITIONS HAVE BEEN OBTAINED FROM FIELD MEASUREMENTS. IF DIMENSIONAL DISCREPANCIES OR OTHER ELEMENTS CONCEALED IN WALLS ARE NOTED, REPORT DISCREPANCIES TO ARCHITECT PRIOR TO PROCEEDING.
5. REMOVE ALL AIR DEVICES, PER MECHANICAL DRAWINGS.
6. DISCONNECT AND REMOVE EXISTING LIGHTS WHERE SHOWN AND PROTECT EXISTING WIRE FOR REUSE WHERE POSSIBLE. SEE ELECTRICAL FOR MORE DETAILED INFORMATION.
7. CLERESTORY WINDOWS (NOT SHOWN IN THIS PLAN) SHALL BE REMOVED PER A2/A105.
8. DIFFUSERS AND RETURNS SHOWN FOR REFERENCE ONLY. REFER TO MECHANICAL DRAWINGS.

KEYNOTES

1. UPPER WALL SCONCES TO REMAIN; PROTECT FROM DAMAGE.
2. EXISTING HOOD TO REMAIN AS IS.
3. EXISTING CEILING TO REMAIN. PROTECT FROM DAMAGE.
4. DEMOLISH ACT CEILING, GRID, AND ALL SUPPLY & RETURN DIFFUSERS. PREPARE FOR NEW DIFFUSERS INSTALLATION; COORDINATE W/ NEW WORK.
5. CEILING IS PART OF WALK-IN ASSEMBLY.
6. DEMOLISH LIGHT FIXTURES.
7. OUTLINE OF MEZZANINE ABOVE.
8. REMOVE, SALVAGE, AND RELOCATE CEILING ACCESS HATCH TO LET IN NEW WORK.
9. EXISTING SOFFIT TO REMAIN.
10. DEMO CLERESTORY WINDOWS. SEE SHEET A105.
11. LIGHT FIXTURES TO REMAIN; PROTECT FROM DAMAGE.
12. REMOVE LIGHT FIXTURES & SALVAGE FOR REUSE. REFER TO ELEC DRAWINGS.
13. EXISTING TV MONITOR TO REMAIN (LOCATED UNDERNEATH SOFFIT).
14. EXISTING LINEAR UPLIGHT PENDANT.
15. EXISTING AIR CURTAIN TO REMAIN.
16. DEMO WALLS AS SHOWN AT EXISTING SOFFIT - PATCH & REPAIR SOFFIT AS REQ'D AT DEMOLITION LOCATION.
17. DASHED LINE REPRESENTS DEMOLISHED DIFFUSERS, TYPICAL. REFER TO MECHANICAL DRAWINGS.
18. EXISTING DEVICE TO REMAIN; PROTECT FROM DAMAGE.

X ADD / ALTERNATES

NO ADD / ALTERNATES USED.

LEGEND

- DEMOLITION
- EXISTING TO REMAIN
- REMOVE ACT AND GRID
- CEILING ASSEMBLY TO REMAIN
- NIC (NOT IN CONTRACT)
- DEMOLISH LIGHT FIXTURES, TYP
- DEMOLISH CEILING DEVICES, TYP
- DEMOLISH EXIT LIGHT
- EXISTING CAN TO REMAIN
- EXISTING EXIT LIGHT TO REMAIN
- EXISTING PENDANT TO REMAIN
- EXISTING WALL SCONCE TO REMAIN

10682 REGISTERED ARCHITECT CAROLINE M. DEJOSE STATE OF WASHINGTON

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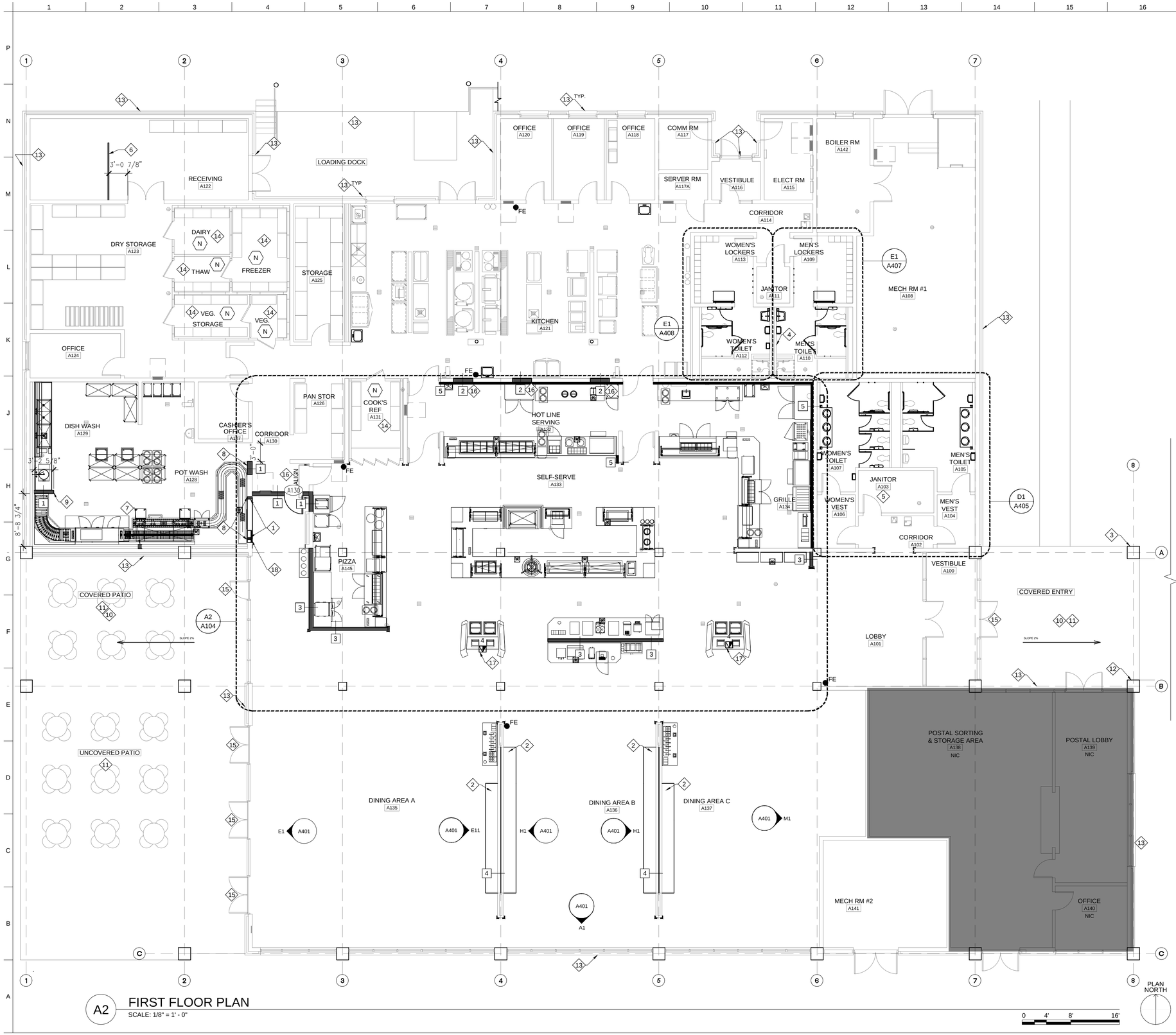
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

REFLECTED CEILING DEMOLITION PLAN

ARCHITECTURAL

AD102



A2 FIRST FLOOR PLAN
SCALE: 1/8" = 1' - 0"

SHEET NOTES

1. SEE FOOD SERVICE DRAWINGS FOR MORE INFORMATION.
2. SEE M,E,P FOR MORE INFORMATION.
3. SEE A102 FOR DINING AND OFFICE FURNITURE.
4. PATCH, REPAIR, AND PREP WALLS (WHERE WALL COVERING & BUMPER GUARDS REMOVED) FOR NEW FINISHES.
5. PATCH AND REPAIR SUBFLOOR AS REQUIRED WHERE DEMO OR DAMAGE OCCURS TO PREPARE EVEN FLOOR SURFACE FOR INSTALLATION OF NEW FLOORING.
6. ADD 2" STAINLESS STEEL CORNER GUARDS AND WALL CAP AS REQUIRED TO MATCH EXISTING AT ALL OUTSIDE CORNER LOCATIONS TO PROTECT NEW WALL FINISHES IN LOBBY, DINING, AND SERVERY. SEE K17/A603.
7. SEE PLUMBING AND ELECTRICAL PLANS FOR REQUIRED DEMOLITION OF FLOOR FINISH & SLAB. REPAIR SLAB PER A2/S901.

KEYNOTES

1. INFILL NEW OPENING WITH NEW DOUBLE WALL FRAMING TO MATCH DEPTH OF EXISTING WALL. REFER TO DETAIL J6/A601.
2. NEW KNUCKLE BARS. REFER TO DETAIL A1/A604.
3. AT TOP OF THIS COLUMN THERE IS SUPERFICIAL DAMAGE AND CRACKING TO THE CONCRETE COLUMN. CONTRACTOR SHALL SCRAPE OUT, CLEAN, BLOW OUT AND OTHERWISE PREPARE AREA FOR CRACK FILLING AND REFINISHING OF ENTIRE COLUMN. FILL CRACK WITH SIKAQUICK VOH OR SIKADUR CRACK REPAIR KIT DEPENDING ON RECOMMENDED THICKNESS AND FOLLOWING ALL MANUFACTURERS RECOMMENDATIONS. FINISH SMOOTH AND MATCH EXISTING. ONCE READY, PAINT ENTIRE COLUMN FROM TOP TO BOTTOM. PROVIDE CLEAN PAINT LINE AT COLUMN TO BEAM EDGE.
4. REPLACE EXISTING RUSTED ACCESS PANEL.
5. PLUG OR CAP P-TRAP BY INFILLING WITH CONCRETE PLUG.
6. INSTALL RELOCATED PARTITION - MATCH EXISTING INSTALLATION METHOD.
7. INFILL DEMOLISHED PORTION OF WALL & PROVIDE ST STL FINISH TO MATCH EXISTING.
8. PROVIDE ST STL PANEL @ DISH DROP SIDE OF NEW FURRING. OPENING AT DISH DROP JAMB/HEAD IS ST STL FINISH. SEE A103.
9. VERIFY WALL DIMENSION W/ FOOD SERVICE EQUIPMENT ORDER.
10. PROVIDE REPAIRS & REPLACEMENT OF 60 CERAMIC TILES AT COVERED ENTRY. MATCH EXISTING CONDITIONS.
11. PRESSURE WASH EXTERIOR CERAMIC TILES. SCHEDULE REPAIRS AFTER PRESSURE WASHING. SEE A001 FOR MORE INFORMATION.
12. SIMILAR TO KEYNOTE 3, GC TO REVIEW COLUMN FOR SIMILAR REPAIRS. PAINT COLUMN REGARDLESS OF REPAIRS.
13. PRESSURE WASH BUILDING EXTERIOR (APPROX. 10,675 SF). SEE A001 FOR MORE INFORMATION.
14. REPAIR/REPLACE COOLER DOOR SEALS -- REFERENCE KITCHEN DRAWINGS.
15. INSTALL ALL NEW WEATHER-STRIPPING & CLEAN EXISTING THRESHOLD @ ALL EXTERIOR DOORS @ DINING AND VESTIBULE.
16. ALIGN FACE OF NEW WALL WITH FACE OF ADJACENT EXISTING WALLS.
17. REFER TO TECHNOLOGY DRAWINGS.
18. ACCESS PANEL - REFER TO FOOD SERVICES DRAWINGS.

X ADD / ALTERNATES

N. ALTERNATIVE PRICE TO INSTALL ALARMS IN EXISTING WALK-IN COOLERS AND FREEZERS AS REQUIRED BY AFMAN 91-203, 2.9 AT THE DFAC KITCHEN. DEFAULT IS TO REMAIN AS IS.

WALL TYPES

1. (N) FULL HEIGHT WALL TO UNDERSIDE OF CEILING; SEE J1/A601
2. (N) INFILL WALL SEE A12/A601
3. (N) PARTIAL HEIGHT WALL SEE A1/A601
4. (E) PARTIAL HEIGHT WALL SEE A6/A601
5. (N) MINIMUM FURRING FOR MEP INFRASTRUCTURE

LEGEND

- EXIST WALL TO REMAIN. PROTECT FROM DAMAGE. PATCH & PREP FOR NEW FINISHES AS SCHED, UNO
- NEW WALL PER WALL TYPE SCHEDULE ABOVE
- EXIST DOOR TO REMAIN. PROTECT FROM DAMAGE.
- WALL TYPE TAG. SEE A601 FOR DETAILS.
- DOOR NUMBER
- CORNER GUARDS (CG-1) PER K17/A603
- NIC (NOT IN CONTRACT)

MARK	DESCRIPTION	DATE
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DESIGNED BY: KM
DRAWN BY: KK
CHECKED BY: KK
SUBMITTED BY: ER
SIZE: ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

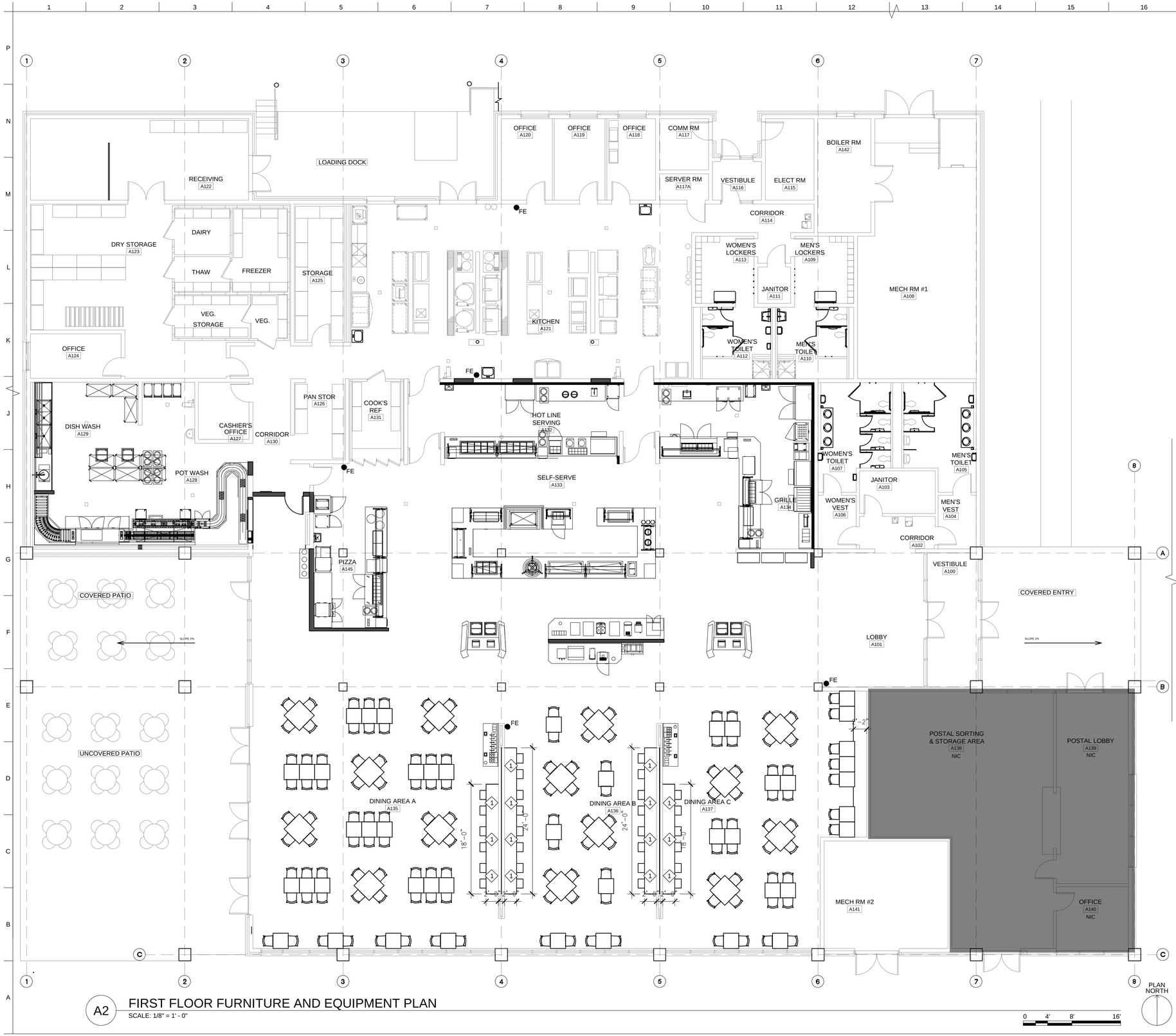
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FIRST FLOOR PLAN

10082 REGISTERED ARCHITECT KATHERINE M. DERSE STATE OF WASHINGTON

ARCHITECTURAL

A101



A2 FIRST FLOOR FURNITURE AND EQUIPMENT PLAN

SCALE: 1/8" = 1' - 0"

SHEET NOTES

1. FURNISH AND INSTALL NEW GENERAL CONVENIENCE POWER RECEPTACLES - REUSE EXISTING WIRING WHERE POSSIBLE. SEE ELECTRICAL FOR MORE DETAILED INFORMATION.
2. NEW TABLES & CHAIRS TO BE PROVIDED IN THIS SPACE BY OTHERS (AF).

KEYNOTES

1. LOCATION OF CHARGING CAPABILITIES. SEE ELECTRICAL DRAWINGS FOR MORE DETAIL.

ADD / ALTERNATES

NO ADD / ALTERNATES USED.

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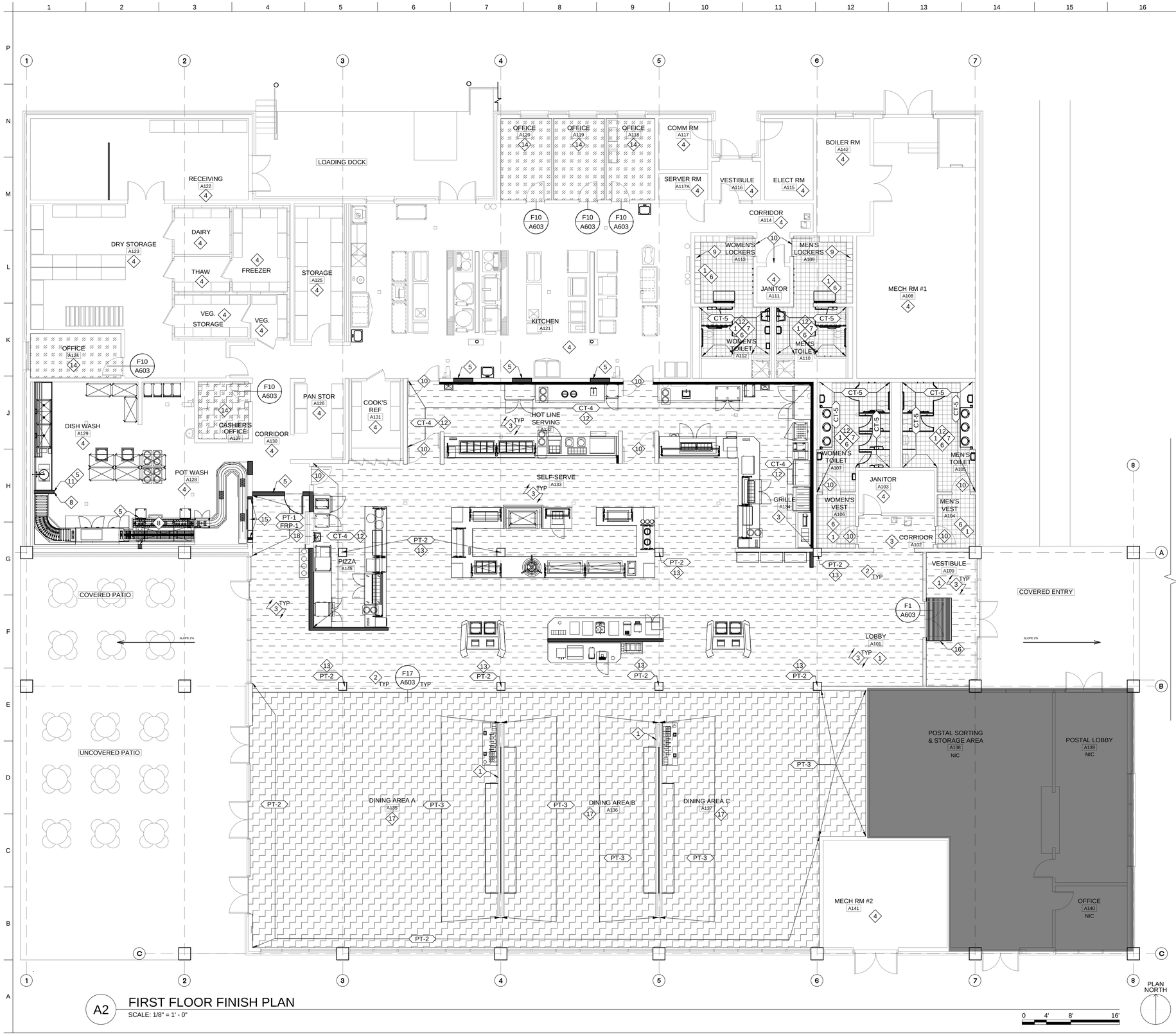
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FIRST FLOOR FURNITURE AND EQUIPMENT PLAN

ARCHITECTURAL

A102

10682 REGISTERED ARCHITECT CAROLINE M. TIERSE STATE OF WASHINGTON



A2 FIRST FLOOR FINISH PLAN

SCALE: 1/8" = 1' - 0"

SHEET NOTES

1. ALL WALLS IN SCOPE TO BE PAINTED PT-1 UNO.
2. SEE SCHEDULES FOR MORE INFORMATION.
3. AREAS OF FLOOR DEMOLITION WILL REQUIRE REPAIR & REPLACEMENT OF EXISTING QUARRY TILE AT FLOOR. MATCH EXISTING CONDITIONS

KEYNOTES

1. PATCH, REPAIR, & PAINT EXISTING WALLS.
2. PAINT ATRIUM WALLS PT-1 - SEE ALSO RCP A201, A1/A403, K1/A403, A2/A105.
3. INSTALL NEW SLIP RESISTANT FLOOR TILE & COVE TILE BASE.
4. EXISTING FLOOR TO REMAIN.
5. INSTALL NEW QUARRY TILE & BASE TO MATCH EXISTING WHERE REQD @ WALL REMOVAL & AT NEW WALL CONSTRUCTION.
6. NEW FLOOR TILE & BASE.
7. NEW WALL TILES @ ALL WALLS PER ELEVATIONS.
8. INSTALL NEW STAINLESS STEEL WALL FINISH TO MATCH EXISTING AT ALL EXPOSED SIDES OF NEW & WALL LOCATIONS INDICATED.
9. EXISTING LOCKERS TO REMAIN; PROTECT FROM DAMAGE.
10. REPAINT DOOR TO MATCH EXISTING.
11. PROVIDE AND INSTALL STAINLESS STEEL WALL CORNER GUARDS AS REQD.
12. ADEQUATELY PREPARE WALL TO RECEIVE NEW WALL TILE. SEE ELEVATIONS. PROVIDE CEMENTITIOUS BOARD BEHIND ALL NEW WALL TILE LOCATIONS.
13. PT-2, ALL SIDES OF COLUMN.
14. INSTALL NEW CARPET & BASE. SEE ALSO LEGEND.
15. FINISH VERTICAL FACE OF DISH DROP WALLS W/ FRP PANELS. INSTALL STAINLESS STEEL FINISH AT ALL EXPOSED SIDES OF INTERIOR OPENINNG SURROUND. SEE ELEVATIONS & SCHEDULE.
16. INSTALL NEW WALK OFF MAT.
17. INSTALL NEW LVT & BASE. SEE ALSO LEGEND. PLANK DIRECTION SHALL RUN PLAN EAST-WEST.
18. THIS SIDE OF CORRIDOR TO RECEIVE FRP UP TO 4' - 0". SEE ELEVATIONS.

ADD / ALTERNATES

NO ADD / ALTERNATES USED.

LEGEND

- CT-1; NEW SLIP RESISTANT FLOOR TILE AND BASE (CT-3)
- CT-2; NEW SLIP RESISTANT FLOOR TILE AND BASE (CT-6)
- LVT-1; NEW LUXURY VINYL TILE AND RUBBER BASE
- CPT-1; NEW CARPET TILE AND RUBBER BASE
- QT-1 & QT-2, FLOOR & BASE TO MATCH EXISTING
- NEW WALK OFF - SEE FINISH SCHEDULE ON SHEET A702
- NEW WALL CONSTRUCTION
- NIC (NOT IN CONTRACT)

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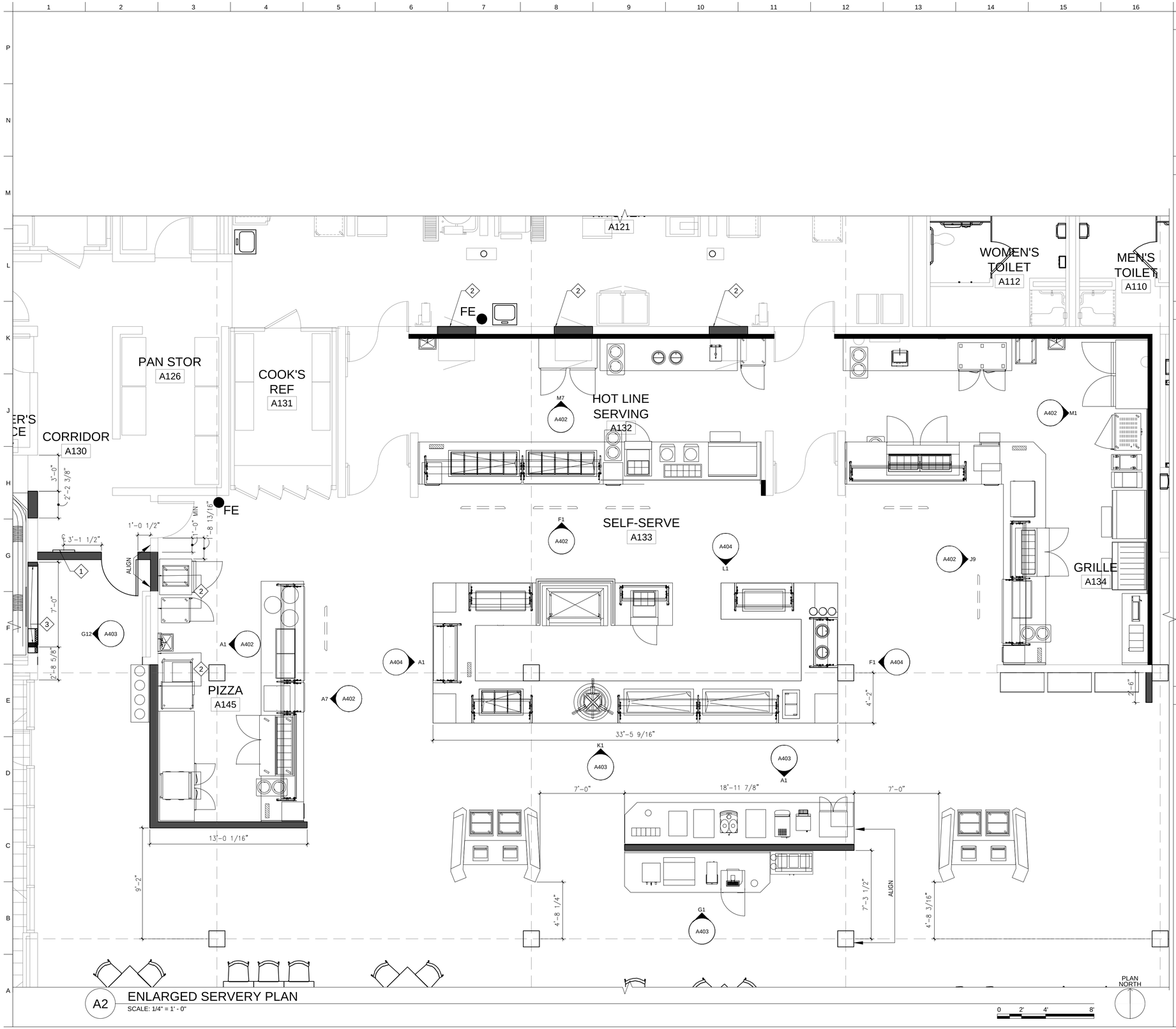
DINING FACILITY REFRESH

FIRST FLOOR FINISH PLAN

10682 REGISTERED ARCHITECT KAROLINE N. TEDSE STATE OF WASHINGTON

ARCHITECTURAL

A103



A2 ENLARGED SERVERY PLAN

SCALE: 1/4" = 1' - 0"

PLAN NORTH

0 2' 4' 8'

SHEET NOTES

1. SEE M, E, P DRAWINGS FOR MORE INFORMATION.
2. SEE FOOD SERVICE DRAWINGS FOR MORE INFORMATION.

KEYNOTES

1. RELOCATED PANEL. SEE ELEC DRAWINGS. VERIFY CLEARANCE @ LAYOUT.
2. ALIGN NEW WALL FINISH WITH EXISTING WALL FINISH.
3. STAINLESS STEEL WRAP ON ALL EXPOSED SURFACES AT DISH DROP OPENING.

ADD / ALTERNATES

NO ADD / ALTERNATES USED.

LEGEND

- EXIST WALL TO REMAIN. PROTECT FROM DAMAGE. PATCH & PREP FOR NEW FINISHES AS SCHED, U.N.O.
- NEW WALL PER WALL TYPE SCHEDULE - SEE A101
- EXIST DOOR TO REMAIN. PROTECT FROM DAMAGE
- NEW MENU BOARD ABOVE
- NEW DOOR - SEE DOOR SCHEDULE SHEET A701

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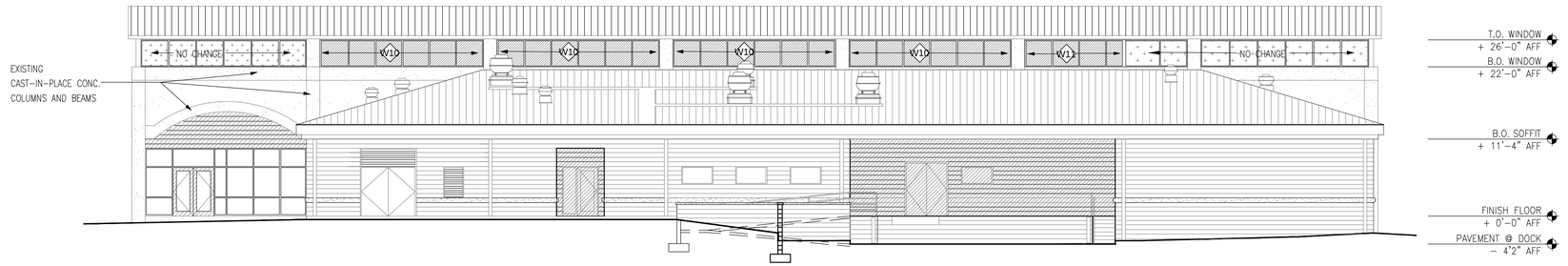
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

ENLARGED FLOOR PLANS

10682 REGISTERED ARCHITECT
CAROLINE M. TERSE
STATE OF WASHINGTON

ARCHITECTURAL

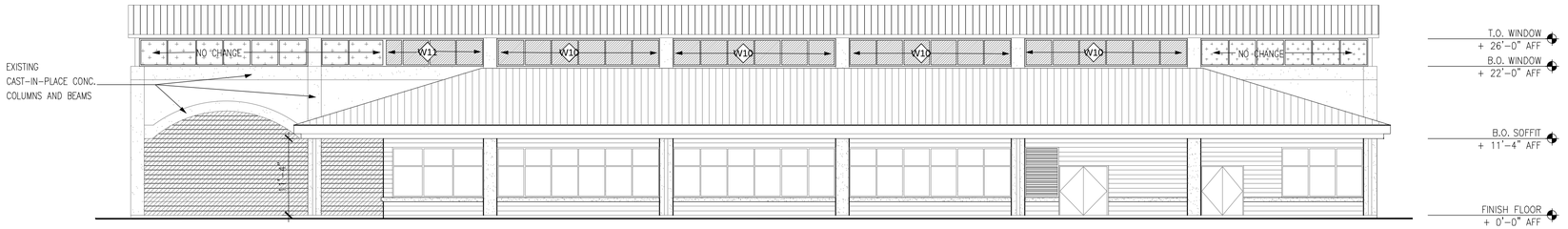
A104



K2 NORTH BUILDING ELEVATION

SCALE: 3/32" = 1' - 0"

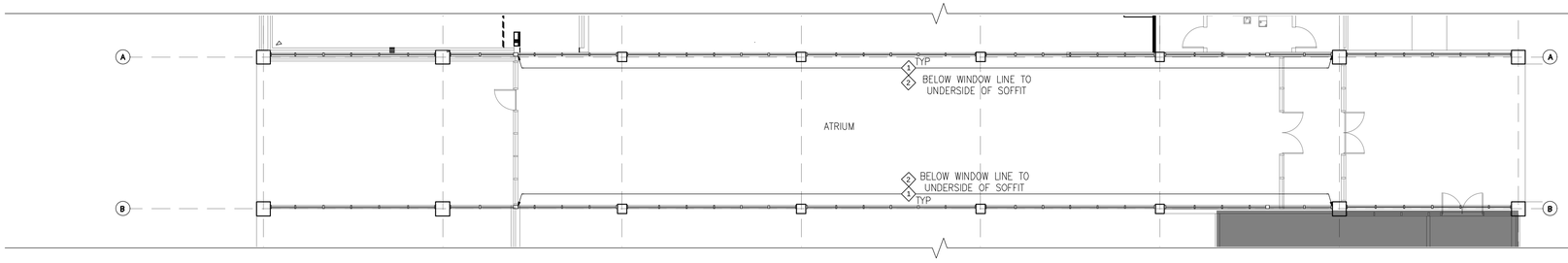
0 8' 16' 32'



F2 SOUTH BUILDING ELEVATION

SCALE: 3/32" = 1' - 0"

0 8' 16' 32'



A2 PARTIAL ATRIUM PLAN

SCALE: 3/32" = 1' - 0"

0 8' 16' 32'

SHEET NOTES

1. CONTRACTOR SHALL VERIFY ALL WINDOW CONDITIONS DURING BID WALK.
2. CONTRACTOR SHALL VERIFY ALL GWB DAMAGE AT ATRIUM DURING BID WALK.
3. REPAIR INTERIOR & EXTERIOR FINISHES TO LIKE NEW CONDITIONS.
4. MATCH WATERPROOFING @ CLERESTORY WINDOWS.

KEYNOTES

1. REMOVE EXISTING STOREFRONT STYLE MULLION CLERESTORY WINDOWS, TRIM & FLASHING AND REPLACE WITH NEW ASSEMBLY. MATCH EXISTING WATERPROOFING & INSTALLATION METHODS. SEE J13/A601 AND GLAZING SCHEDULE ON SHEET A701 FOR MORE INFORMATION.
2. REPAIR DAMAGE AS REQUIRED AT GWB FINISH BELOW ATRIUM WINDOWS AND TO UNDERSIDE OF SOFFITS WITH SLOT DIFFUSERS. REPAINT ENTIRE ATRIUM, INCLUDING SOFFITS & CEILING AFTER REPAIR. SEE ALSO ELEVATION ON SHEET A403.

ADD / ALTERNATES

NO ADD / ALTERNATES USED.

LEGEND

- WINDOW ASSEMBLY TO BE REMOVED & REPLACED
- WINDOW ASSEMBLY TO REMAIN - GLASS & FRAME DOESN'T CHANGE
- GLAZED WINDOW ASSEMBLY TO REMAIN
- W10 WINDOW TAG - SEE A701 FOR GLAZING SCHEDULE

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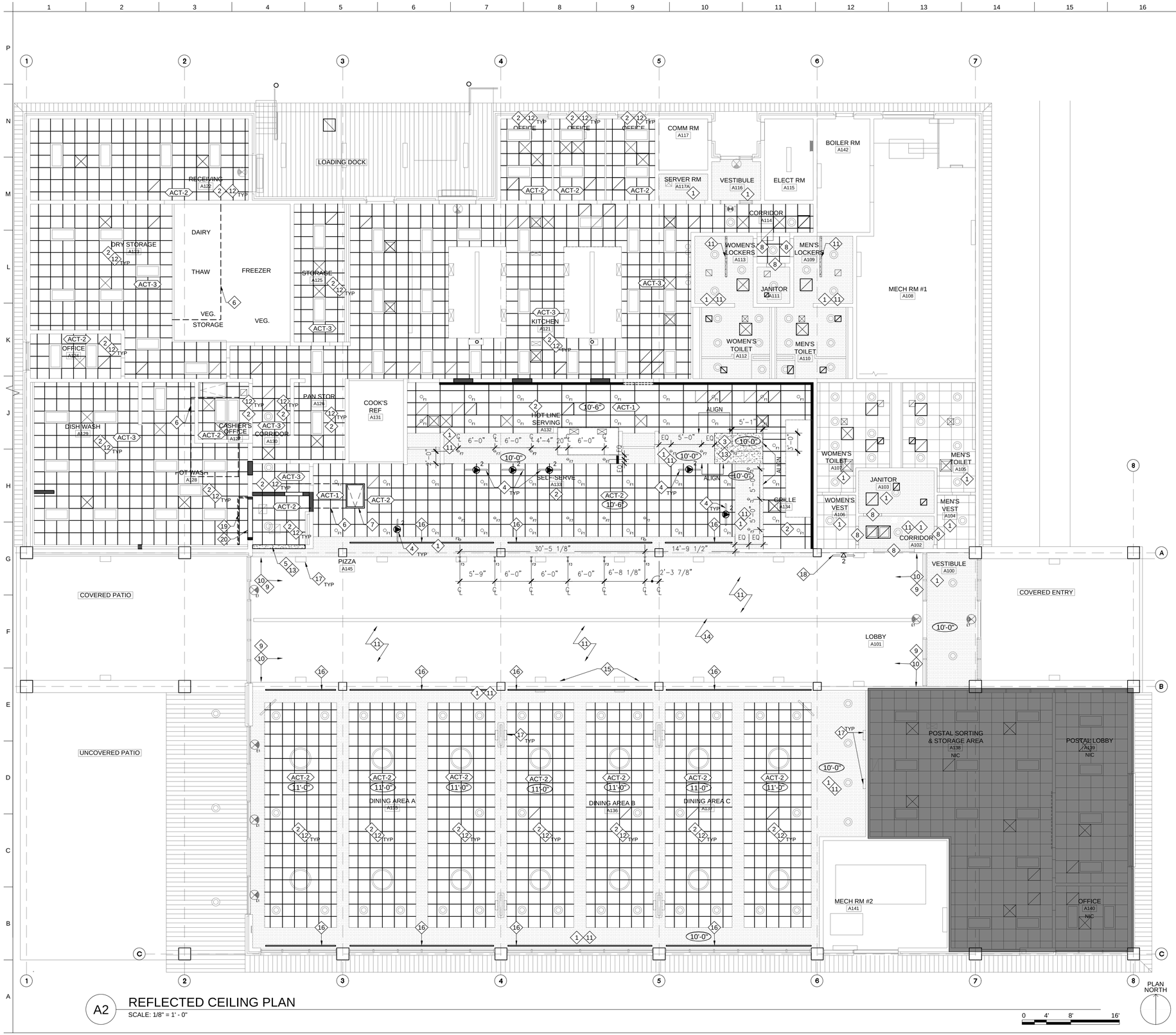
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

ELEVATIONS & ENLARGED FLOOR PLAN

10682 REGISTERED ARCHITECT
CAROLINE M. TERSE
STATE OF WASHINGTON

ARCHITECTURAL

A105



A2 REFLECTED CEILING PLAN

SCALE: 1/8" = 1' - 0"

0 4' 8' 16'

SHEET NOTES

1. PROTECT FROM DAMAGE ALL ((E) TO REMAIN), LIGHT FIXTURES, DIFFUSERS, FA DEVICES, DETECTORS, SIGNAGE, ETC. THAT WILL REMAIN. REPLACE DAMAGED ACT W/ (N) TO MATCH. PATCH GRID IN LIKE KIND WHERE REQD.
2. MODIFY ALL LIGHT SWITCH CIRCUITS TO CORRECTLY CONTROL (N) ZONES. SEE ELEC FOR MORE DETAILED INFORMATION.
3. BOTTOM OF PENDANT LIGHTS TO BE 8'-0" AFF UNO.
4. COORD ALL WORK W/ MECH & ELEC DRAWINGS.
5. AFTER FURNITURE & EQUIP INSTALL, CLEAN ALL LIGHT FIXTURES TO REMOVE DIRT & DUST.
6. ALL AMBIENT LIGHTING ON DIMMERS. COORDINATE W/ ELEC DRAWINGS.
7. REPLACE ALL AIR DEVICES, COORD WORK W/ MECH DRAWINGS.
8. MODIFY FIRE ALARM SYSTEM & SPRINKLER LAYOUT TO ACCOMMODATE (N) WORK - SEE FIRE PROTECTION DRAWINGS FOR MORE DETAILED INFORMATION.
9. INSTALL (N) DIMMING CONTROL SYSTEM RE-USING (E) WIRE AS POSSIBLE.
10. GRID INSTALLATION DETAIL A1/A602.
11. CEILING PAINT TO BE PT-4 UNO.
12. DIFFUSERS & RETURNS SHOWN FOR REFERENCE ONLY. REFER TO MECH DRAWINGS.

KEYNOTES

1. EXISTING CEILING TO REMAIN.
2. NEW GRID & ACT PER MATERIAL SCHEDULE & A1/A602.
3. NEW METAL FRAMED GWB HEADER/SOFFIT. SEE J7/A602.
4. CONTRACTOR TO ENSURE THAT THERE IS SUPPORT FOR THE NEW MENU BOARDS (PROVIDED BY OTHERS). PROVIDE HARDWARE & UNISTRUT SUPPORT IF REQ'D BASED ON FIELD CONDITIONS IN CEILING CAVITY & COORDINATE W/ SUPPORT HARDWARE. SEE J1/A604 FOR SUSPENDED CEILING MOUNTING KIT.
5. NEW GWB CLG; FOR FRAMING SEE J1/A602 (SIM). PAINT W/ PT-4. PROVIDE ACCESS PANELS AS NEEDED.
6. OUTLINE OF MEZZANINE ABOVE.
7. RELOCATE CEILING ACCESS HATCH. COORD/ W/ MEZZANINE LOCATION ABOVE.
8. REPAIR GWB HEADER & PAINT PT-4.
9. REPLACE ALL CLERESTORY WINDOWS & ASSOCIATED FLASHING W/ NEW ALUMINUM WINDOWS TO MATCH EXISTING IN COLOR & DIMENSION. PROVIDE NEW THERMAL GLAZING (LOW 'E'), INSULATED GLASS. SEE SHEET A105.
10. PATCH, REPAIR & REPAINT WALLS & CLG @ ATRIUM GWB WALL (APPROX 3,285 SF).
11. PATCH, REPAIR AS REQUIRED & PAINT CLG PT-4.
12. RE-INSTALL SALVAGED LIGHTING. SEE ELEC DRAWINGS.
13. ALL FACES OF NEW SOFFIT SHALL ALIGN W/ (E) ADJACENT SOFFITS. PROVIDE ACCESS HATCHES IF NECESSARY.
14. EXISTING LINEAR UPLIGHT PENDANT.
15. PATCH & REPAIR SOFFIT AS REQD TO ACHIEVE A SMOOTH SURFACE WHERE DEMO OCCURRED.
16. SOLID LINE REPRESENTS NEW DIFFUSERS, TYP. REFER TO MECH DRAWINGS.
17. EXISTING DEVICE, TYP.
18. WALL MOUNTED 45" MONITOR - GREETER BOARD; COORD W/ FS DRAWINGS. PROVIDE BACKING; SEE A1/A603. ONCE BACKING IS IN PLACE, REPAIR GWB & PAINT PER SHEET A103.
19. NEW ST STL SIGHT & SOUND BAFFLES W/ ACCESS DOORS. SEE D12/FS701. PROVIDED AND INSTALLED BY FOOD SERVICE VENDOR.
20. NEW METAL FRAMED GWB HEADER/SOFFIT. SEE G14/A602.

X ADD / ALTERNATES

NO ADD / ALTERNATES USED.

LEGEND

- EXISTING WALL TO REMAIN. PROTECT FROM DAMAGE. PATCH & PREP FOR NEW FINISHES AS SCHED, UNO
- EXISTING GWB CEILING. PROTECT FROM DAMAGE. PATCH AND REPAIR GWB CEILING WHEN DAMAGED OR REMOVED FIXTURES.
- NEW SUSPENDED 2x2 ACOUSTICAL CEILING - PER DTL A1/A602
- NEW SUSPENDED 2x4 ACOUSTICAL CEILING - PER DTL A1/A602
- NEW GWB CEILING ON METAL STUD FRAMING
- EXISTING MEZZANINE ABOVE TO REMAIN
- EXISTING FIRE EXIT DIRECTIONAL LIGHT TO REMAIN
- EXISTING RECESSED LIGHT TO REMAIN
- EXISTING WALL SCONCE TO REMAIN
- EXISTING 2X4 LIGHT FIXTURE TO REMAIN
- F1 / F1E — NEW RECESSED DOWNLIGHT - SEE ELEC
- F3 — NEW WALL BRACKET & PENDANT - SEE ELEC
- F7 — NEW PENDANT - SEE ELEC
- E1 — NEWFIRE EXIT DIRECTIONAL LIGHT - SEE ELEC
- X'-X" — HEIGHT OF ASSEMBLY

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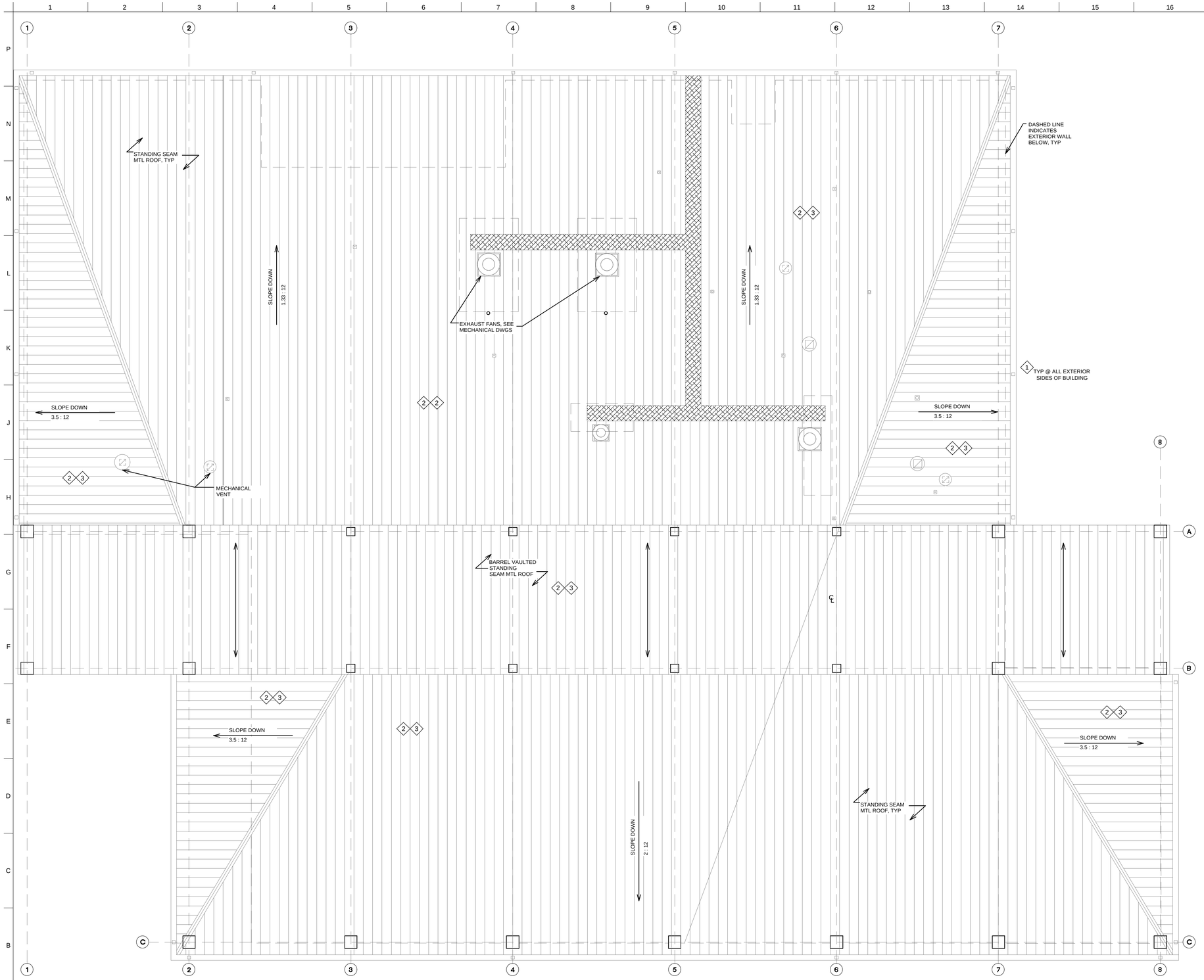
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

REFLECTED CEILING PLAN

10682 REGISTERED ARCHITECT CAROLINE N. TERRE STATE OF WASHINGTON

ARCHITECTURAL

A201



A2 ROOF PLAN
SCALE: 1/8" = 1' - 0"

SHEET NOTES

1. ROOF PLAN IS PROVIDED FOR REFERENCE ONLY. FIELD VERIFICATION REQUIRED FOR PROPER PRICING.
2. CLEAN IN AND AROUND ROOF DRAINS. ALSO REMOVE ALL DEBRIS FROM ROOF.

KEYNOTES

1. PRESSURE WASH EXTERIOR SURFACES INCLUDING ROOFS, GUTTERS, DOWNSPOUTS, WALLS, INTERIOR FACES OF EXTERIOR COVERED AREAS INCLUDING BEAMS AND STRUTS AND OTHER VERTICAL SURFACES. PROTECT FROM WATER AS NEEDED.
2. PROVIDE INSPECTION OF ROOF AND LOCATE ROOF LEAKS. PROVIDE A REPORT WITH RECOMMENDATIONS AND COSTS ASSOCIATED WITH REPAIRS.
3. REPAIR ROOF LEAKS (APPROX. 23,357 SQ.FT TOTAL AREA):
   REMOVE AND REPLACE:
   -260 LINEAL FEET OF RIDGE
   -350 LINEAL FEET OF ROOF TO WALL FLASHING
   -970 LINEAL FEET FASCIA
   -10 EA. PIPE PENETRATIONS
   -10 EA. LARGE PENETRATIONS

X ADD / ALTERNATES

NO ADD / ALTERNATES USED.

LEGEND

EXISTING METAL ROOF

EXISTING WALK SURFACE

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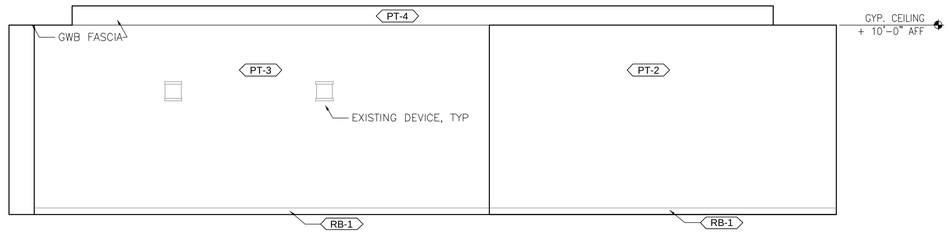
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

ROOF PLAN

10682 REGISTERED ARCHITECT
KAROLINE M. DERSE
STATE OF WASHINGTON

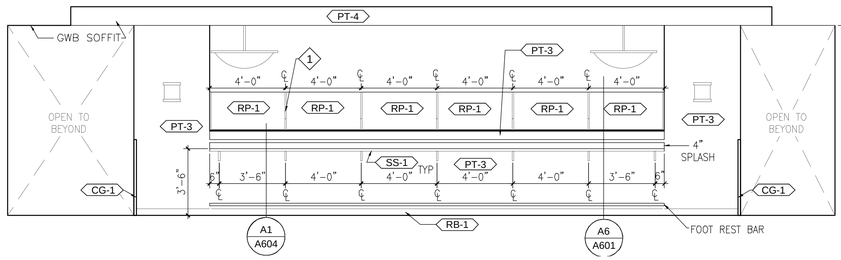
ARCHITECTURAL

A301



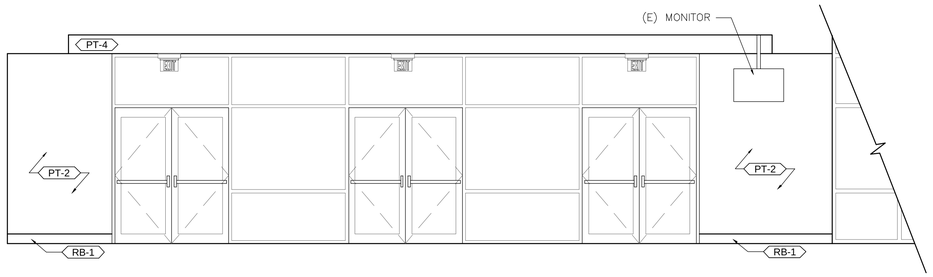
M1 DINING AREA C A137- EAST WALL

SCALE: 1/4" = 1' - 0"



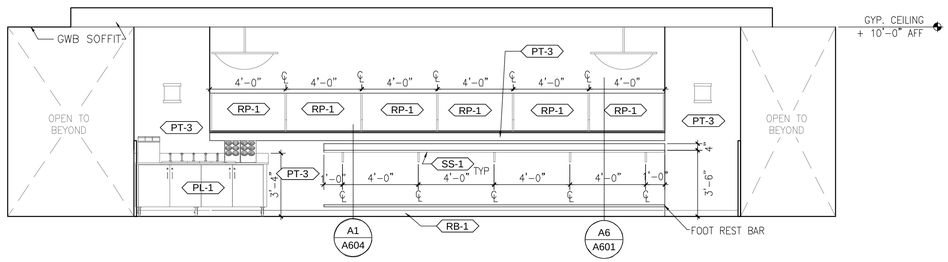
H1 DINING AREA - TYPICAL KNUCKLEBAR WALL

SCALE: 1/4" = 1' - 0"



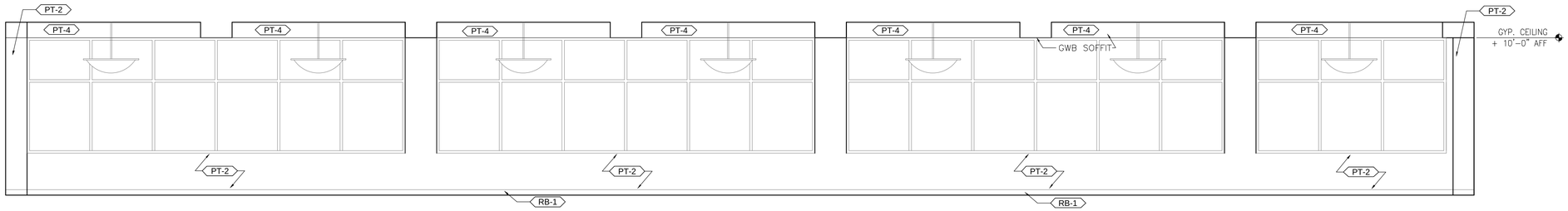
E1 DINING AREA A A135 - WEST WALL

SCALE: 1/4" = 1' - 0"



E11 DINING AREA - TYPICAL CONDIMENT STATION & KNUCKLEBAR WALL

SCALE: 1/4" = 1' - 0"



A1 DINING AREA A,B,C - SOUTH WALL

SCALE: 1/4" = 1' - 0"

SHEET NOTES

NO SHEET NOTES USED.

KEYNOTES

1. VERTICAL METAL POST DIVIDER FRAMING, TYPICAL PER DETAIL A6/A601.

ADD / ALTERNATES

NO ADD / ALTERNATES USED.

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SHAW AFB, SOUTH CAROLINA
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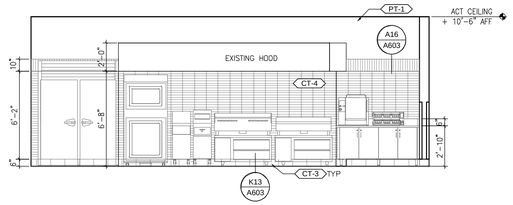
INTERIOR ELEVATIONS

10682 REGISTERED ARCHITECT
CAROLINE M. DERSE
STATE OF WASHINGTON

ARCHITECTURAL

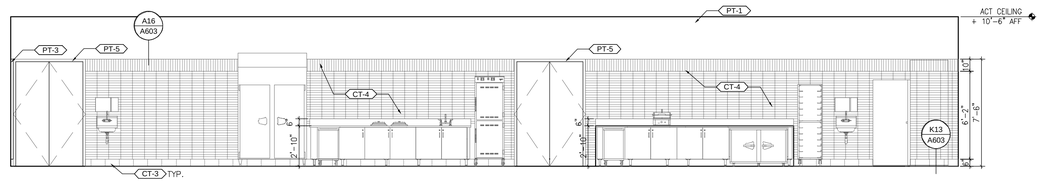
A401



M1 GRILLE A134 - BACK COUNTER

SCALE: 3/16" = 1' - 0"

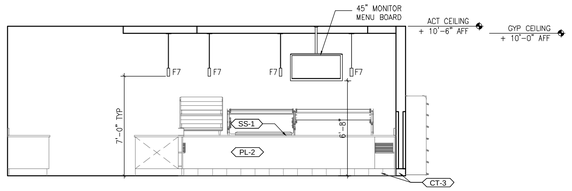
0 4' 8' 16'



M7 HOT LINE SERVING A132 - BACK COUNTER

SCALE: 3/16" = 1' - 0"

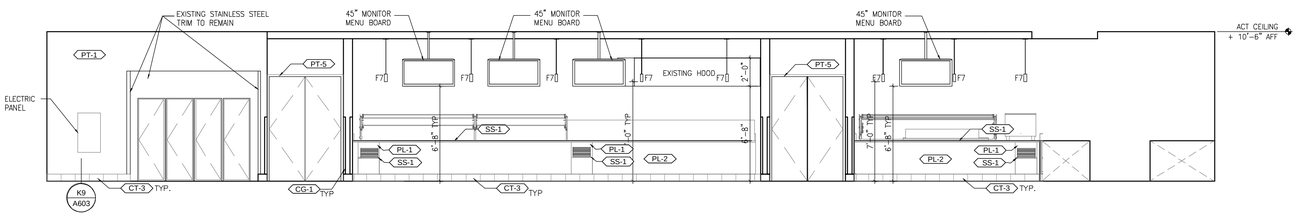
0 4' 8' 16'



J9 GRILLE A134 - FRONT COUNTER

SCALE: 3/16" = 1' - 0"

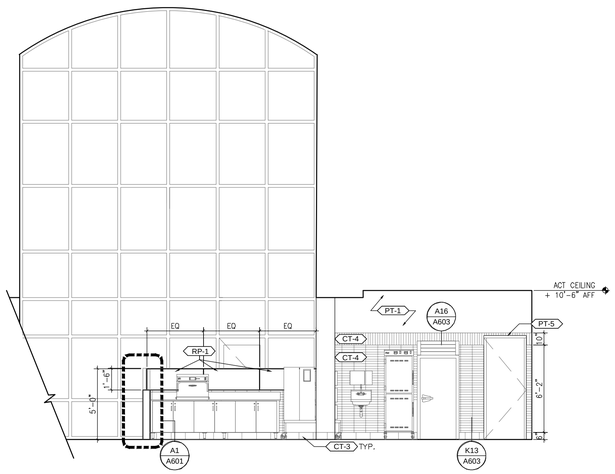
0 4' 8' 16'



F1 HOT LINE SERVING A132 - FRONT COUNTER

SCALE: 3/16" = 1' - 0"

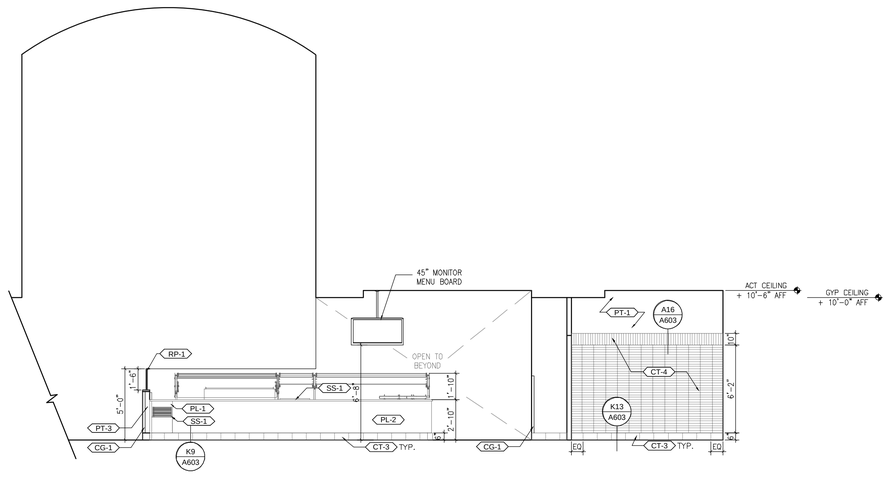
0 4' 8' 16'



A1 PIZZA A145 - BACK COUNTER

SCALE: 3/16" = 1' - 0"

0 4' 8' 16'



A7 PIZZA A145 - FRONT COUNTER

SCALE: 3/16" = 1' - 0"

0 4' 8' 16'

SHEET NOTES

1. PAINT ATRIUM WALLS PT-1.

KEYNOTES

NO KEYNOTES USED.

ADD / ALTERNATES

NO ADD / ALTERNATES USED.

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

DESIGNED BY: KM
DRAWN BY: KK
CHECKED BY: KK
SUBMITTED BY: ER
SIZE: ANSI D

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

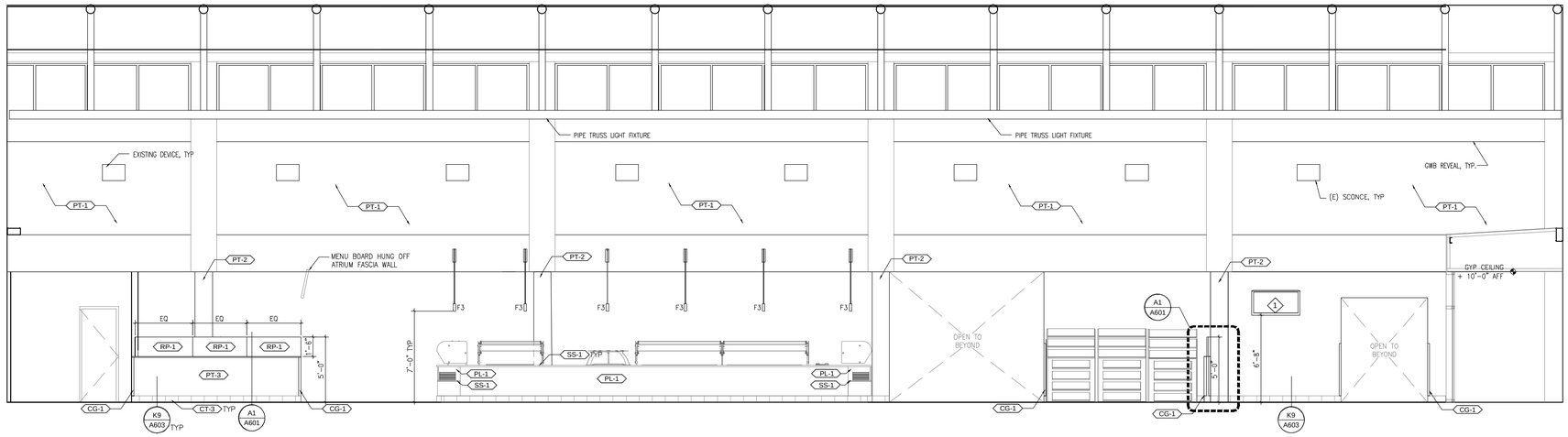
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

INTERIOR ELEVATIONS

10682 REGISTERED ARCHITECT CAROLINE M. TIERSE STATE OF WASHINGTON

ARCHITECTURAL

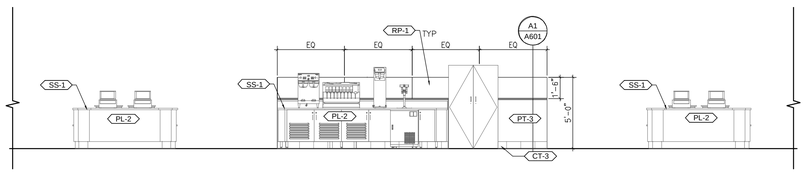
A402



K1 LOBBY A101

SCALE: 3/16" = 1' - 0"

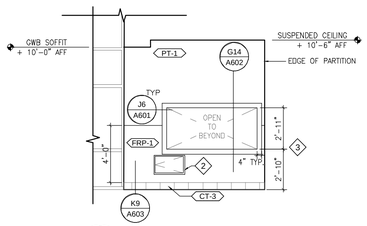
0 4' 8' 16'



G1 POS STATIONS & BEVERAGE COUNTER

SCALE: 3/16" = 1' - 0"

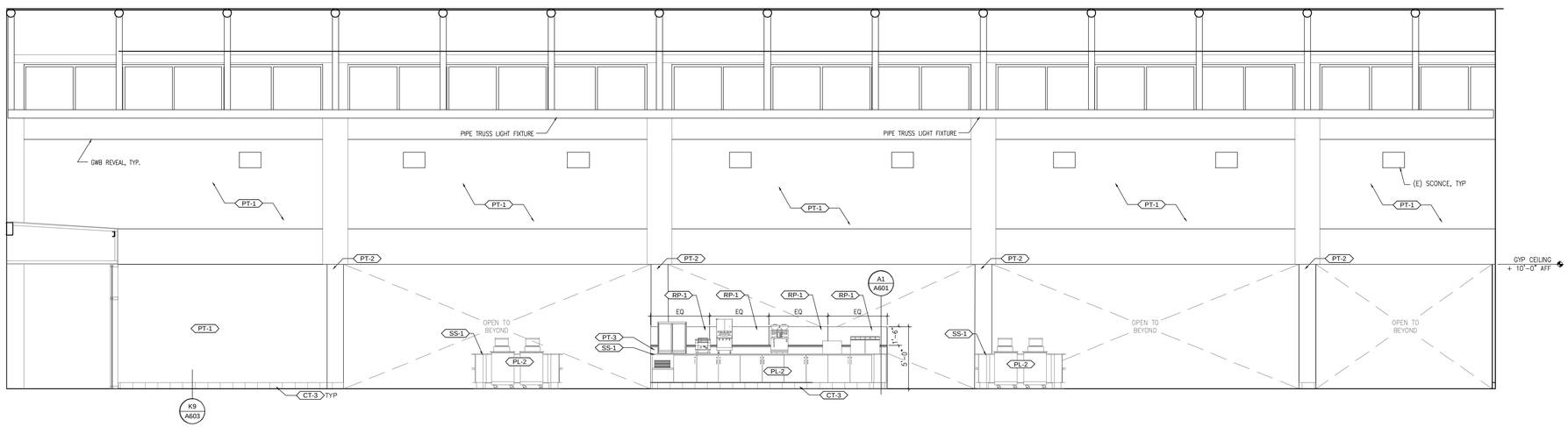
0 4' 8' 16'



G12 POT WASH A128 - PASS THRU

SCALE: 3/16" = 1' - 0"

0 4' 8' 16'



A1 POS STATIONS & SMOOTHIE/ESPRESSO/BAKERY

SCALE: 3/16" = 1' - 0"

0 4' 8' 16'

SHEET NOTES

NO SHEET NOTES USED.

KEYNOTES

1. WALL MOUNTED 45" MONITOR - GREETER BOARD; COORD W/ FS DRAWINGS. PROVIDE BACKING; SEE A1/A603. ONCE BACKING IS IN PLACE, REPAIR GWB & PAINT PER SHEET A103.
2. FLUSH MOUNTED ACCESS PANEL FOR CONVEYOR SYSTEM. COORDINATE WITH FOOD SERVICES DRAWINGS.
3. SEE FOOD SERVICES DRAWINGS FOR COORDINATION OF WALL OPENING.

ADD / ALTERNATES

NO ADD / ALTERNATES USED.

MARK	DESCRIPTION	DATE
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DESIGNED BY: KM
DRAWN BY: KK
CHECKED BY: KK
SUBMITTED BY: ER
SIZE: ANSI D

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
428 CHAPIN STREET
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SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

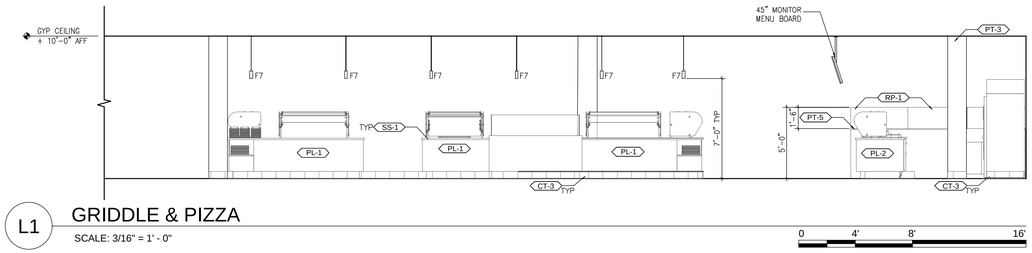
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

INTERIOR ELEVATIONS

10682 REGISTERED ARCHITECT
KAROLINE M. DERSE
STATE OF WASHINGTON

ARCHITECTURAL

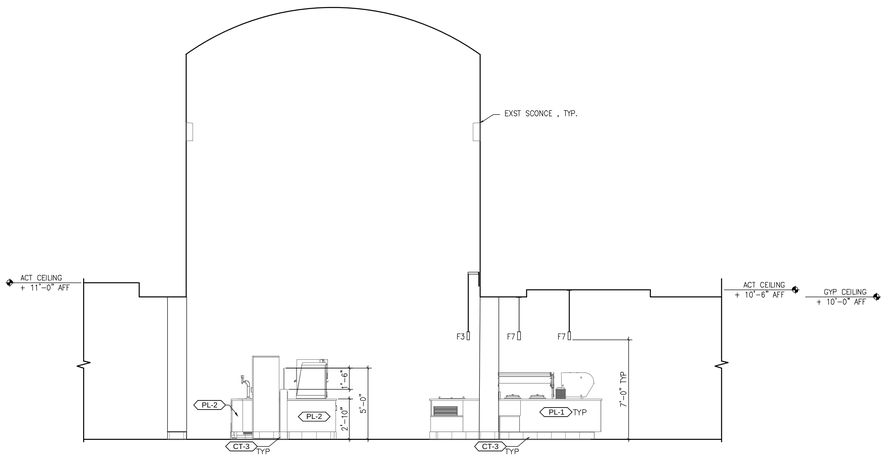
A403



L1 GRIDDLE & PIZZA

SCALE: 3/16" = 1' - 0"

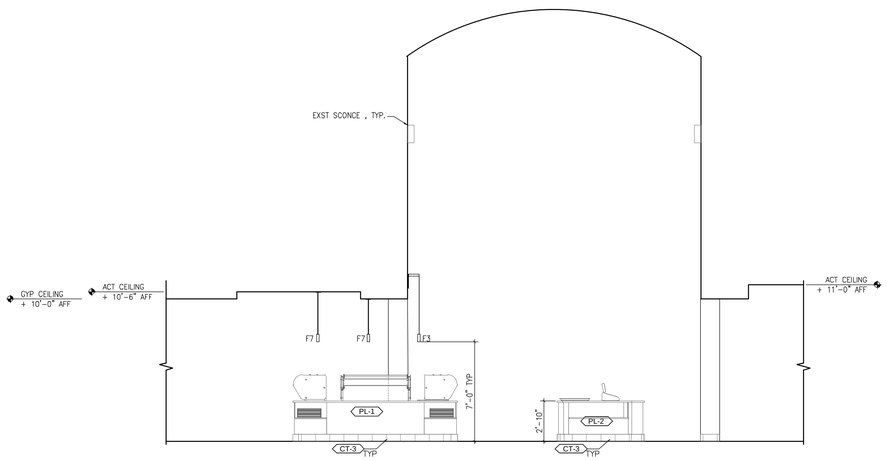
0 4' 8' 16'



F1 POS STATIONS & BEVERAGE COUNTER

SCALE: 3/16" = 1' - 0"

0 4' 8' 16'



A1 POS STATIONS & BEVERAGE COUNTER

SCALE: 3/16" = 1' - 0"

0 4' 8' 16'

SHEET NOTES

NO SHEET NOTES USED.

KEYNOTES

NO KEYNOTES USED.

ADD / ALTERNATES

NO ADD / ALTERNATES USED.

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

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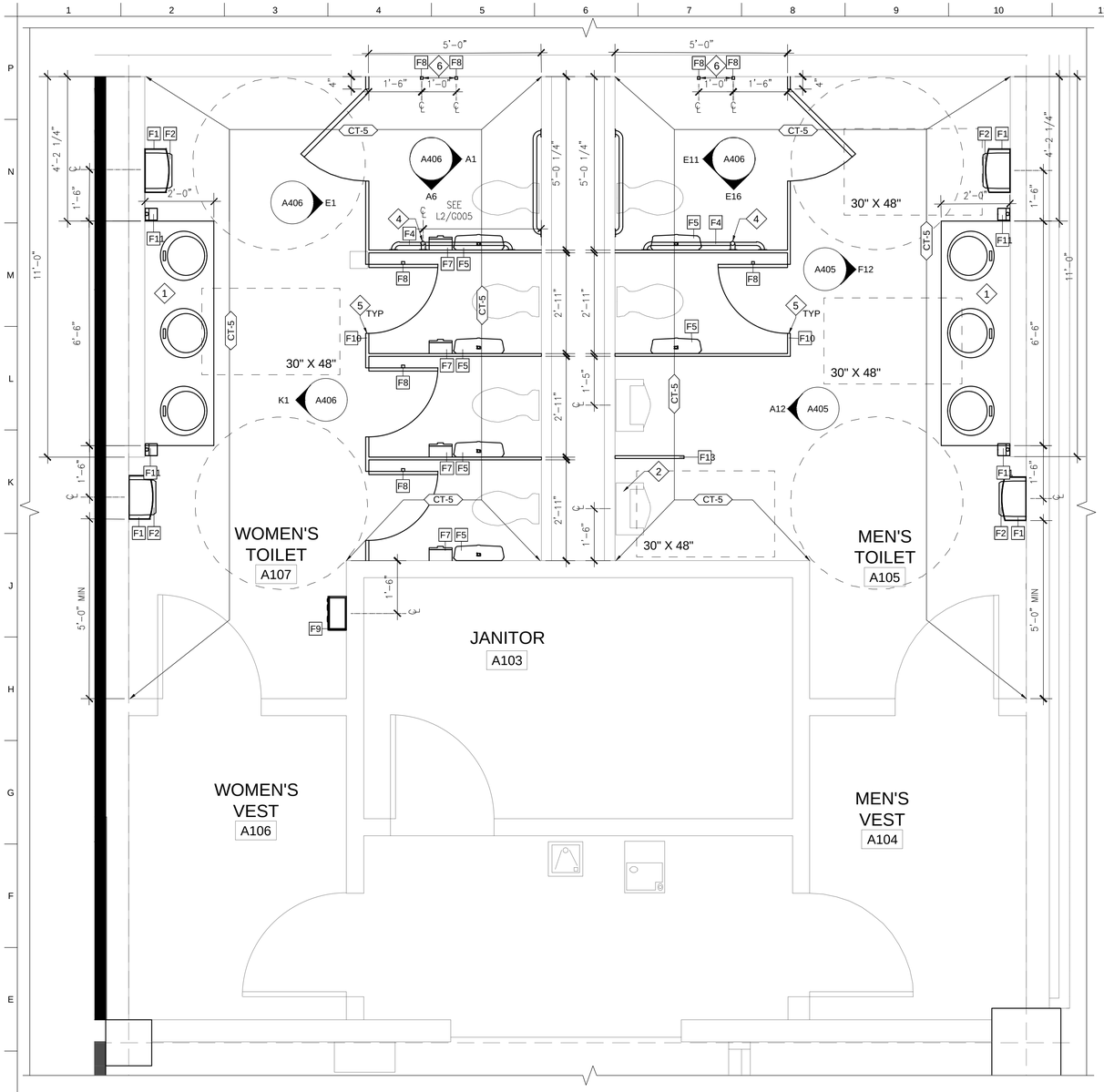
DINING FACILITY REFRESH

INTERIOR ELEVATIONS

10682 REGISTERED ARCHITECT
CAROLINE M. TIERSE
STATE OF WASHINGTON

ARCHITECTURAL

A404

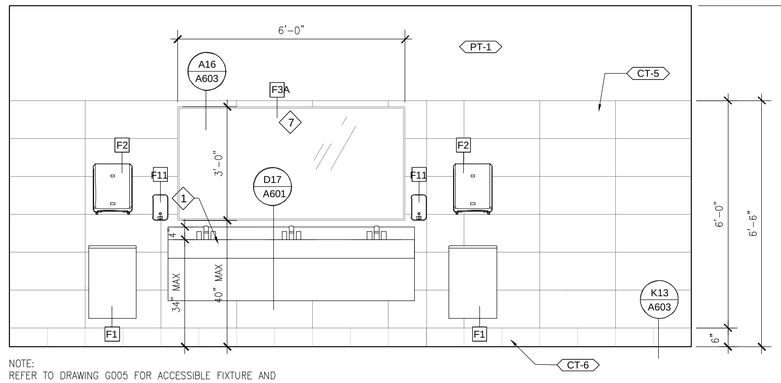


D1 ENLARGED RESTROOM

SCALE: 1/2" = 1' - 0"

0 1' 2' 4'

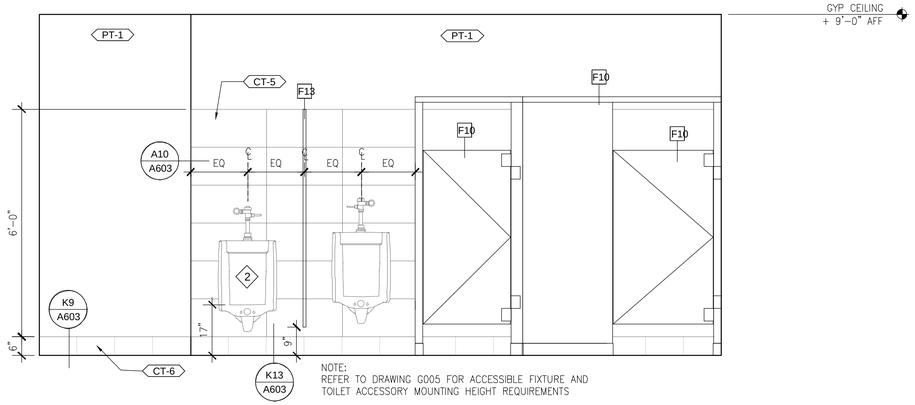
ACTUAL TILE AND TILE PATTERN TO REMAIN TYPICAL AT ALL TOILET ROOM ELEVATIONS



F12 MEN'S RESTROOM A105 - EAST ELEVATION

SCALE: 1/2" = 1' - 0"

0 1' 2' 4'



A12 MEN'S RESTROOM A105 - WEST ELEVATION

SCALE: 1/2" = 1' - 0"

0 1' 2' 4'

SHEET NOTES

1. INSTALL ALL NEW WASHROOM ACCESSORIES, UNO. SEE A701 FOR SCHEDULE.

KEYNOTES

1. NEW 2CM QUARTZ COUNTER - SS-1.
2. CONFIRM ADA HEIGHT FOR URINAL IS 17" MAX AFF FOR URINAL RIM.
3. NOT USED.
4. PROVIDE NEW VERTICAL GRAB BAR AS NOTED.
5. NEW PARTITIONS AS SHOWN. SEE ACCESSORY SCHEDULE.
6. NEW COAT HOOKS. MOUNTING HEIGHT IS 48" AND 60" PER ADA STALL.
7. INSTALL NEW MIRROR; SEE FIXTURE SCHEDULE.

ADD / ALTERNATES

NO ADD / ALTERNATES USED.

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: KM
DRAWN BY: KK
CHECKED BY: KK
SUBMITTED BY: ER
SIZE: ANSI D

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

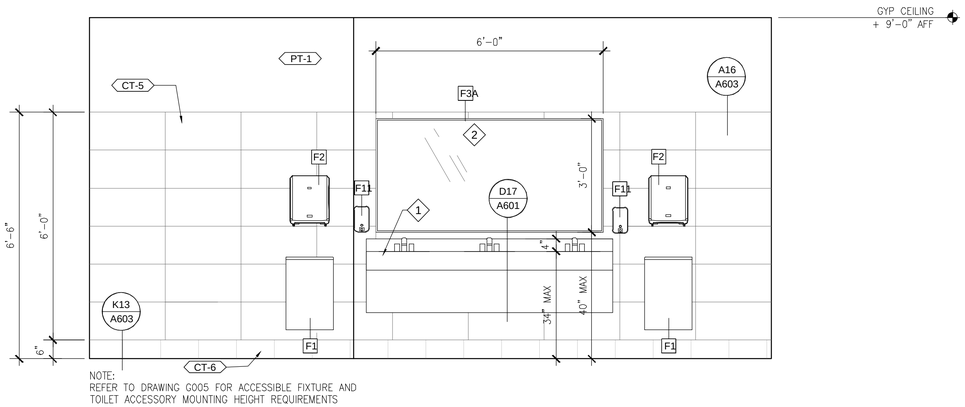
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

INTERIOR ELEVATIONS

10082 REGISTERED ARCHITECT
KATHERINE M. TERSE
STATE OF WASHINGTON

ARCHITECTURAL

A405



K1 WOMEN'S RESTROOM A107 - WEST ELEVATION

SCALE: 1/2" = 1' - 0"

0 1' 2' 4'

ACTUAL TILE AND TILE PATTERN TO REMAIN TYPICAL AT ALL TOILET ROOM ELEVATIONS

SHEET NOTES

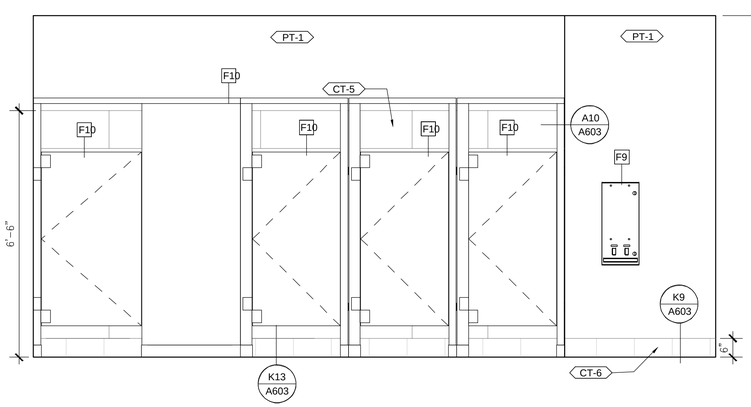
1. INSTALL ALL NEW WASHROOM ACCESSORIES, UNO. SEE A701 FOR SCHEDULE.

KEYNOTES

1. NEW 2CM QUARTZ COUNTER - SEE FINISH SCHEDULE.
2. INSTALL NEW MIRROR; SEE FIXTURE SCHEDULE.

ADD / ALTERNATES

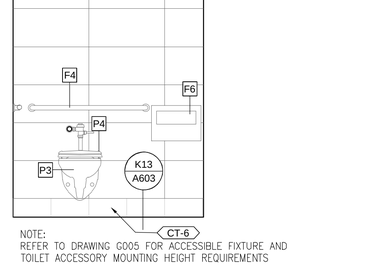
NO ADD / ALTERNATES USED.



E1 WOMEN'S RESTROOM A107 - EAST ELEVATION

SCALE: 1/2" = 1' - 0"

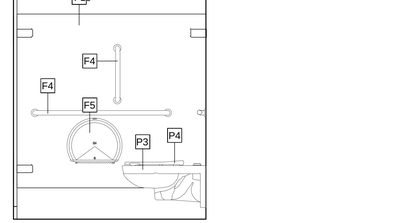
0 1' 2' 4'



E11 MEN'S RESTROOM A105 - ADA STALL WEST

SCALE: 1/2" = 1' - 0"

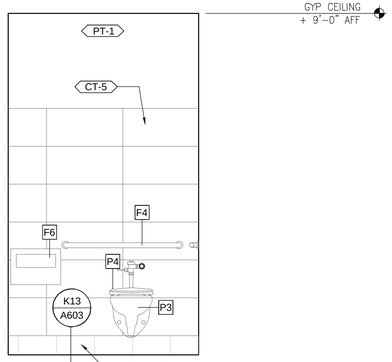
0 1' 2' 4'



E16 MEN'S RESTROOM A105 - ADA STALL SOUTH

SCALE: 1/2" = 1' - 0"

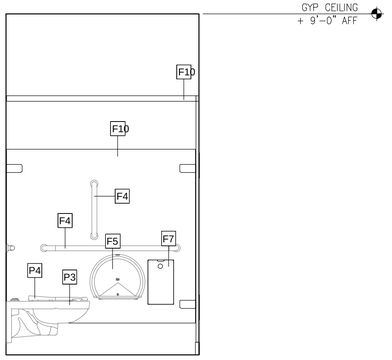
0 1' 2' 4'



A1 WOMEN'S RESTROOM A107 - ADA STALL EAST

SCALE: 1/2" = 1' - 0"

0 1' 2' 4'



A6 WOMEN'S RESTROOM A107 - ADA STALL SOUTH

SCALE: 1/2" = 1' - 0"

0 1' 2' 4'

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

DESIGNED BY: KM
DRAWN BY: KK
CHECKED BY: KK
SUBMITTED BY: EP
SIZE: ANSI D

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

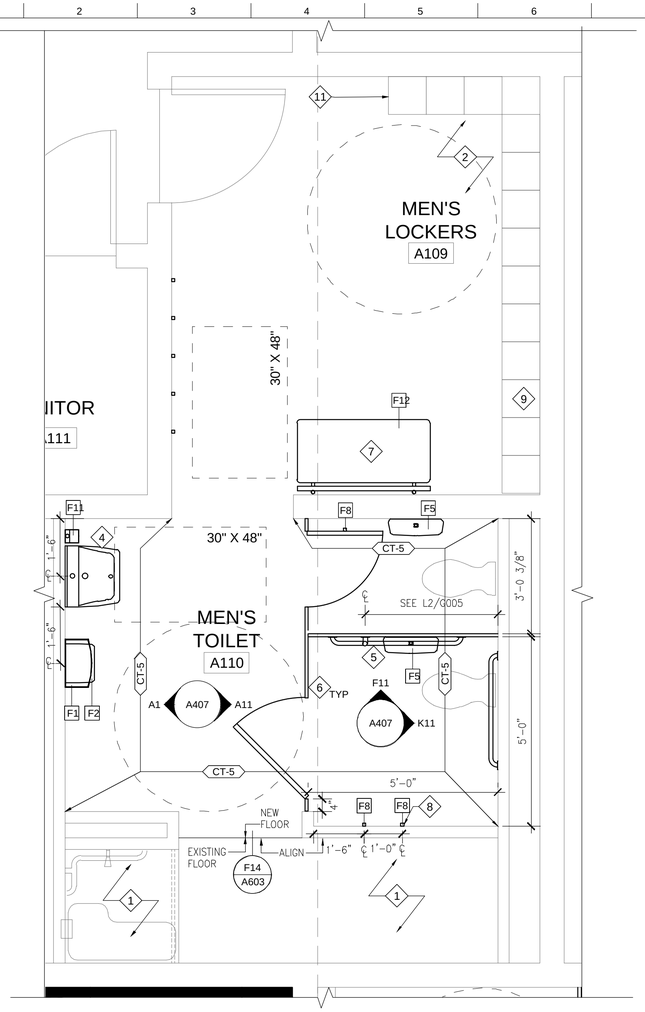
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

INTERIOR ELEVATIONS

10682 REGISTERED ARCHITECT
CAROLINE M. DERSE
STATE OF WASHINGTON

ARCHITECTURAL

A406

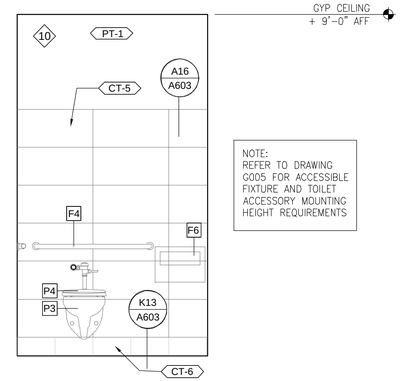


E1 ENLARGED RESTROOM

SCALE: 1/2" = 1' - 0"

0 1' 2' 4'

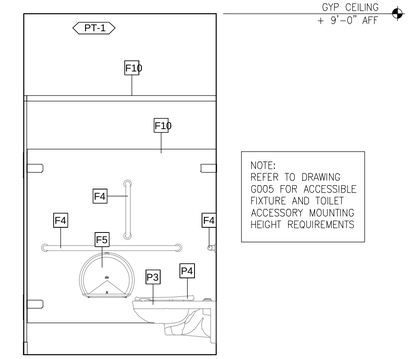
ACTUAL TILE AND TILE PATTERN TO REMAIN
TYPICAL AT ALL TOILET ROOM ELEVATIONS



K11 MEN'S RESTROOM A110 - ADA STALL EAST

SCALE: 1/2" = 1' - 0"

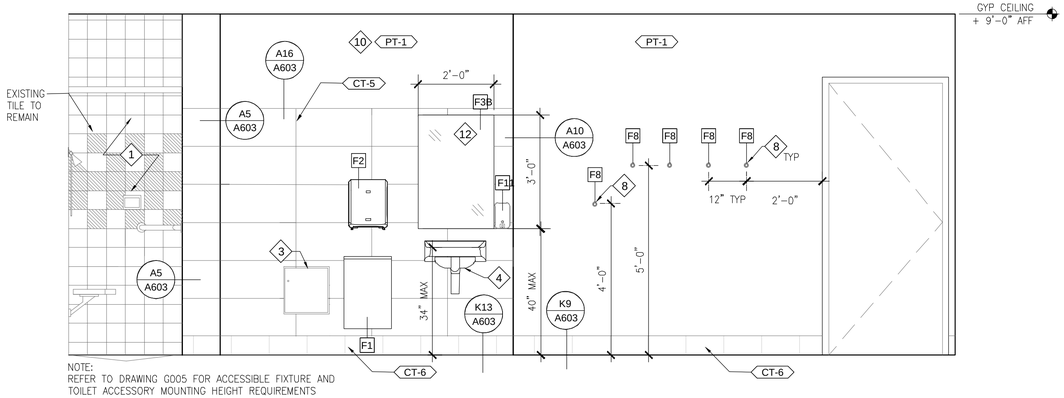
0 1' 2' 4'



F11 MEN'S RESTROOM A110 - ADA STALL NORTH

SCALE: 1/2" = 1' - 0"

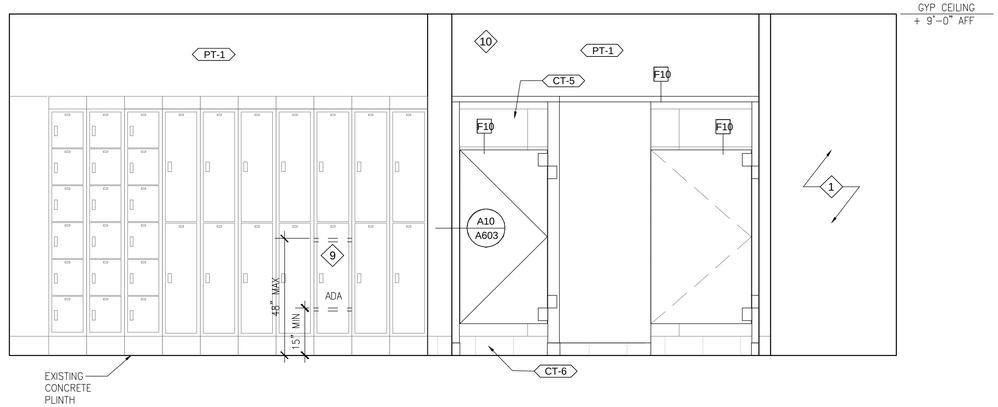
0 1' 2' 4'



A1 MEN'S RESTROOM A110 - WEST ELEVATION

SCALE: 1/2" = 1' - 0"

0 1' 2' 4'



A11 MEN'S RESTROOM A110 - EAST ELEVATION

SCALE: 1/2" = 1' - 0"

0 1' 2' 4'

SHEET NOTES

1. INSTALL ALL NEW WASHROOM ACCESSORIES, UNO. SEE A701 FOR SCHEDULE.

KEYNOTES

1. FINISHES IN SHOWER TO REMAIN.
2. EXISTING LOCKERS TO REMAIN.
3. REPLACE RUSTED ACCESS PANEL WITH NEW. FIELD VERIFY FOR SIZE.
4. NEW WALL MOUNT SINK. SEE PLUMBING.
5. PROVIDE NEW VERTICAL GRAB BAR AS NOTED.
6. NEW PARTITIONS AS SHOWN. SEE ACCESSORY SCHEDULE.
7. NEW ADA BENCH. SEE ACCESSORY SCHEDULE.
8. INSTALL NEW COAT HOOKS. SEE ELEVATIONS FOR MOUNTING HEIGHTS. IN ADA STALLS, ONE COAT HOOK TO BE MOUNTED @ 48" AND ONE @ 60".
9. PROVIDE UPGRADE TO EXISTING LOCKER WITH SHELF AND HOOKS TO MEET ADA LOCKER REQUIREMENT. UPPER SHELF AND HOOK NO HIGHER THAN 48". LOWER SHELF NO LOWER THAN 15".
10. FINISH ABOVE CT-5 IS PAINTED CMU, TYPICAL.
11. APPLY FINISH TO MATCH EXISTING LOCKERS AS REQUIRED.
12. INSTALL NEW MIRROR; SEE FIXTURE SCHEDULE.

ADD / ALTERNATES

NO ADD / ALTERNATES USED.

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: KM.
DRAWN BY: KK
CHECKED BY: KK
SUBMITTED BY: ER
SIZE: ANSI D
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U.S. AIR FORCE SERVICES CENTER
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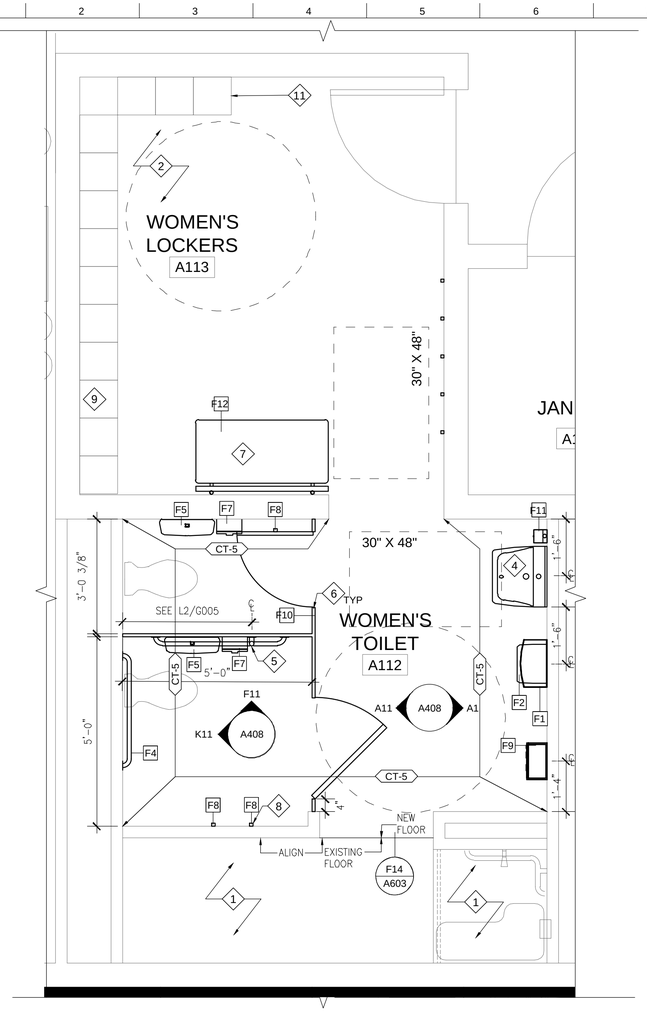
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

INTERIOR ELEVATIONS

10682 REGISTERED ARCHITECT CAROLINE M. TEGGE STATE OF WASHINGTON

ARCHITECTURAL

A407

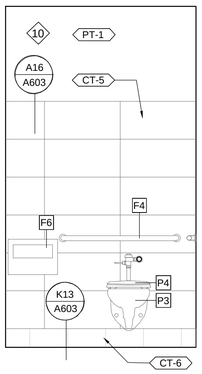


E1 ENLARGED RESTROOM

SCALE: 1/2" = 1' - 0"

0 1' 2' 4'

ACTUAL TILE AND TILE PATTERN TO REMAIN TYPICAL AT ALL TOILET ROOM ELEVATIONS

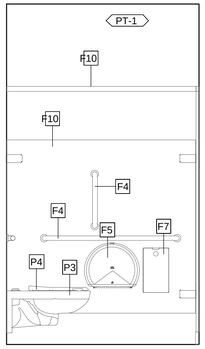


NOTE:
REFER TO DRAWING G005 FOR ACCESSIBLE FIXTURE AND TOILET ACCESSORY MOUNTING HEIGHT REQUIREMENTS

K11 WOMEN'S RESTROOM A112 - ADA STALL WEST

SCALE: 1/2" = 1' - 0"

0 1' 2' 4'

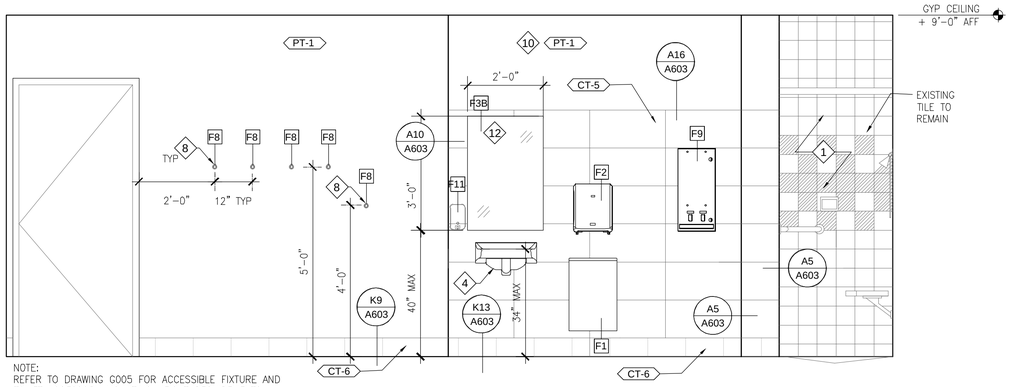


NOTE:
REFER TO DRAWING G005 FOR ACCESSIBLE FIXTURE AND TOILET ACCESSORY MOUNTING HEIGHT REQUIREMENTS

F11 WOMEN'S RESTROOM A112 - ADA STALL NORTH

SCALE: 1/2" = 1' - 0"

0 1' 2' 4'

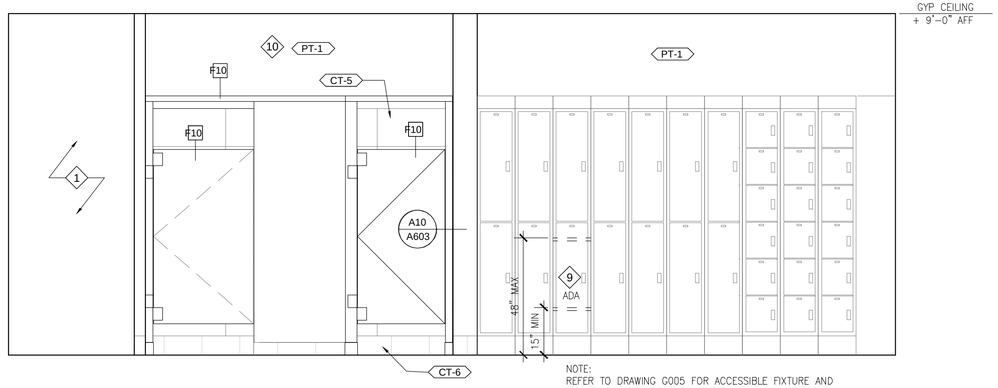


NOTE:
REFER TO DRAWING G005 FOR ACCESSIBLE FIXTURE AND TOILET ACCESSORY MOUNTING HEIGHT REQUIREMENTS

A1 WOMEN'S RESTROOM A112 - EAST ELEVATION

SCALE: 1/2" = 1' - 0"

0 1' 2' 4'



NOTE:
REFER TO DRAWING G005 FOR ACCESSIBLE FIXTURE AND TOILET ACCESSORY MOUNTING HEIGHT REQUIREMENTS

A11 WOMEN'S RESTROOM A112 - WEST ELEVATION

SCALE: 1/2" = 1' - 0"

0 1' 2' 4'

SHEET NOTES

1. INSTALL ALL NEW WASHROOM ACCESSORIES, UNO. SEE A701 FOR SCHEDULE.

KEYNOTES

1. FINISHES IN SHOWER TO REMAIN.
2. EXISTING LOCKERS TO REMAIN.
3. NOT USED.
4. NEW WALL MOUNT SINK. SEE PLUMBING.
5. PROVIDE NEW VERTICAL GRAB BAR AS NOTED.
6. NEW PARTITIONS AS SHOWN. SEE ACCESSORY SCHEDULE.
7. NEW ADA BENCH. SEE ACCESSORY SCHEDULE.
8. INSTALL NEW COAT HOOKS. SEE ELEVATIONS FOR MOUNTING HEIGHTS. IN ADA STALLS, ONE COAT HOOK TO BE MOUNTED @ 48" AND ONE @ 60".
9. PROVIDE UPGRADE TO EXISTING LOCKER WITH SHELF AND HOOKS TO MEET ADA LOCKER REQUIREMENT. UPPER SHELF AND HOOK NO HIGHER THAN 48". LOWER SHELF NO LOWER THAN 15".
10. FINISH ABOVE CT-5 IS PAINTED CMU, TYPICAL.
11. APPLY FINISH TO MATCH EXISTING LOCKERS AS REQUIRED.
12. INSTALL NEW MIRROR; SEE FIXTURE SCHEDULE.

ADD / ALTERNATES

NO ADD / ALTERNATES USED.

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: KM
DRAWN BY: KK
CHECKED BY: KK
SUBMITTED BY: ER
SIZE: ANSI D

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
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HOUSTON, TX 77084

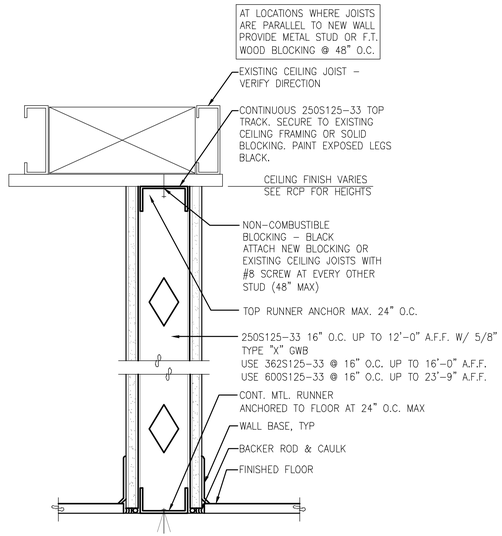
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

INTERIOR ELEVATIONS

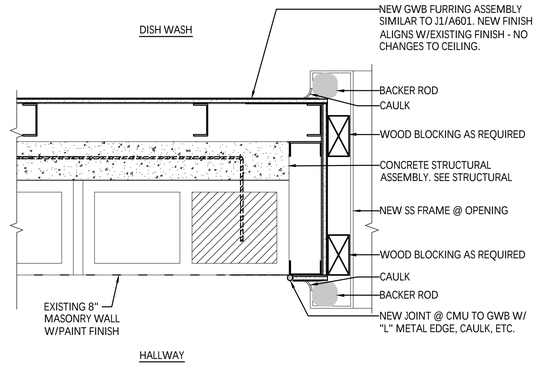
10682 REGISTERED ARCHITECT CAROLINE M. TIERSE STATE OF WASHINGTON

ARCHITECTURAL

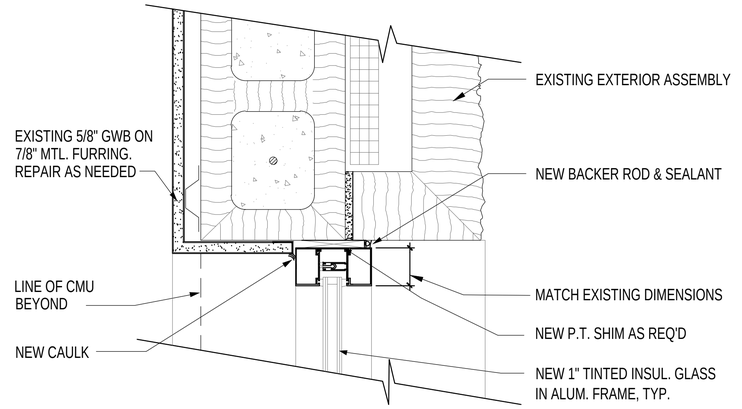
A408



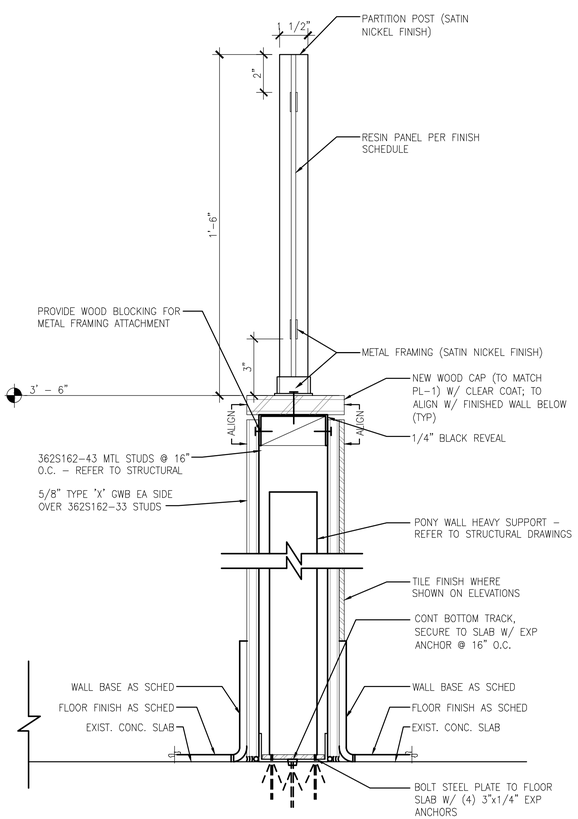
J1 WALL TYPE 1
SCALE: 3" = 1' - 0"



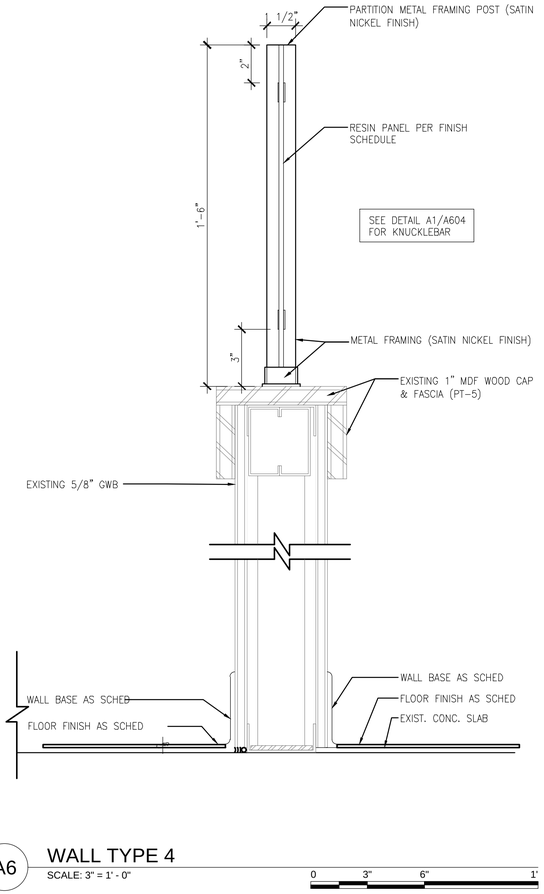
J6 ROUGH OPENING AT DISH DROP LOCATION (COORDINATE W/STRUCTURAL A16/S502)
SCALE: 1 1/2" = 1' - 0"



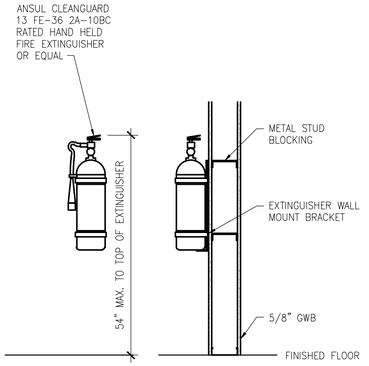
J13 EXTERIOR CLERESTORY WINDOW DETAIL
SCALE: 3" = 1' - 0"



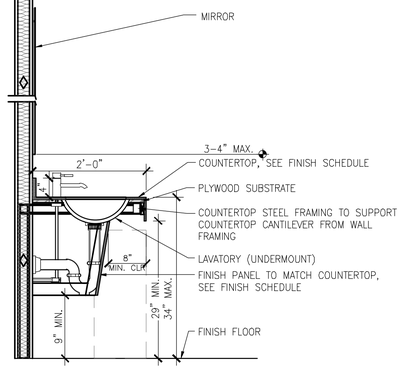
A1 WALL TYPE 3
SCALE: 3" = 1' - 0"



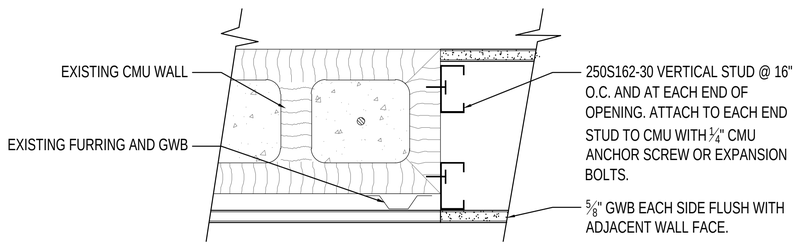
A6 WALL TYPE 4
SCALE: 3" = 1' - 0"



D12 TYPICAL FIRE EXTINGUISHER
SCALE: 3/4" = 1' - 0"



D17 LAVATORY SECTION
SCALE: 3/4" = 1' - 0"



A12 WALL INFILL DETAIL @ EXISTING CMU
SCALE: 3" = 1' - 0"

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

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SUBMITTED BY: ER
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U.S. AIR FORCE SERVICES CENTER
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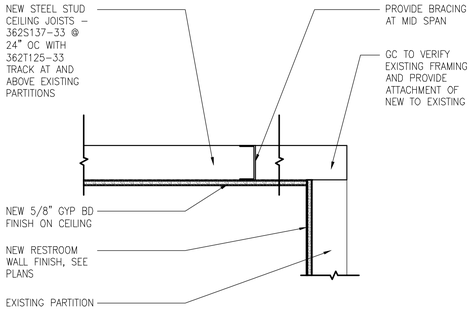
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

WALL DETAILS

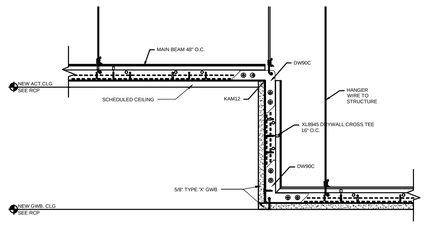
10682 REGISTERED ARCHITECT
CAROLINE M. TERSE
STATE OF WASHINGTON

ARCHITECTURAL
A601



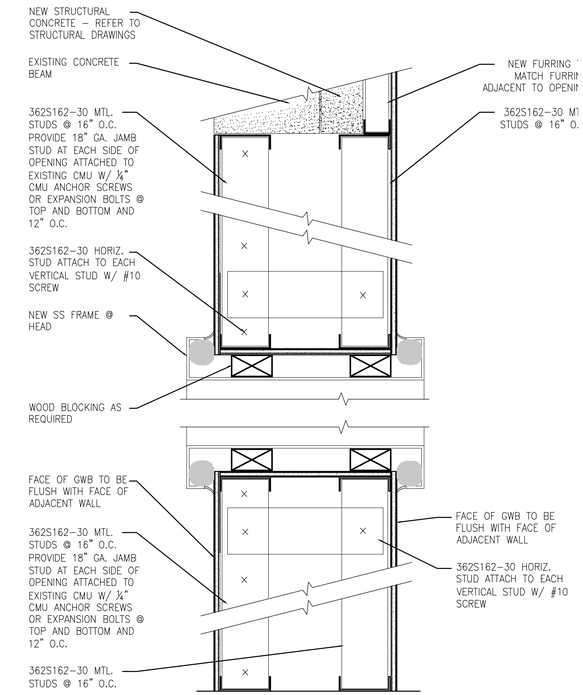
J1 TYP CEILING CEILING FRAMING AT HARD LID

SCALE: 1-1/2" = 1' - 0"



J7 GWB SOFFIT DETAIL

SCALE: 1-1/2" = 1' - 0"



G14 HEAD AND SILL DETAIL @ DISH DROP

SCALE: 1-1/2" = 1' - 0"

SEISMIC AREA D

VERTICAL BRACING: FOR PLENUM HEIGHTS UP TO 12 FEET PROVIDE 2-1/2" 20 GA. METAL STUDS. FOR PLENUM HEIGHTS UP TO 15 FEET PROVIDE DOUBLE 2-1/2" 20 GA. METAL STUDS. AN EQUIVALENT SYSTEM MAY BE USED WITH ARCHITECT'S APPROVAL.

VERTICAL HANGERS: SUSPENSION WIRES SHALL BE OF 12 GA. SPACED @ 4 FEET O.C. MAXIMUM ALONG EACH MAIN BEAM. SUSPENSION WIRES SPACED AT UP TO 5 FEET O.C. SHALL BE OF 10 GAUGE.

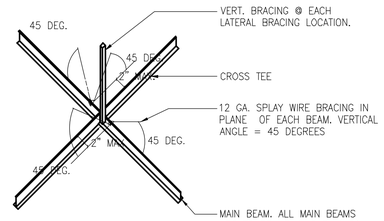
EACH VERTICAL WIRE SHALL BE ATTACHED TO THE CEILING SUSPENSION MEMBER WITH A MINIMUM OF THREE TURNS AND TO THE STRUCTURE ABOVE WITH A CONNECTION CAPABLE OF CARRYING NOT LESS THAN 100 POUND ALLOWABLE LOAD.

PERIMETER HANGERS: AT ALL LOCATIONS THE TERMINAL ENDS OF EACH MAIN BEAM OR CROSS TEE SHALL BE SUPPORTED INDEPENDENTLY A MAXIMUM OF 8" FROM EACH WALL WITH 12 GAUGE WIRE. PERIMETER WIRES MUST BE PLUMB WITHIN 1 IN 6 UNLESS COUNTER SLOPING WIRES ARE PROVIDED.

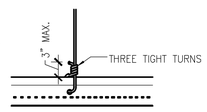
LATERAL FORCE BRACING: HORIZONTAL RESTRAINT SHALL BE PROVIDED BY FOUR 12 GAUGE WIRES SECURED TO THE MAIN BEAM WITHIN 2" OF THE CROSS TEE INTERSECTION AND SPLAYED 90° FROM EACH OTHER AT AN ANGLE NOT EXCEEDING 45° FROM THE PLANE OF THE CEILING. THESE HORIZONTAL RESTRAINT POINTS SHALL BE PLACED 12 FEET OC MAXIMUM IN BOTH DIRECTIONS WITH THE FIRST POINT WITHIN 4 FEET FROM EACH WALL. ATTACHMENT OF THE RESTRAINT WIRES TO THE STRUCTURE ABOVE SHALL BE ADEQUATE FOR THE LOAD IMPOSED.

808.1.1.1 SUSPENDED ACOUSTICAL CEILINGS: SUSPENDED ACOUSTICAL CEILING SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH PROVISIONS OF ASTM C 635 AND ASTM C 636.

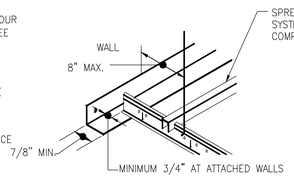
NOTE: SUSPENSION GRID SYSTEM TO BE COMPATIBLE WITH SUSPENDED TILE SPECIFIED. SEE REFLECTED CEILING PLAN FOR SPECIFICATIONS.



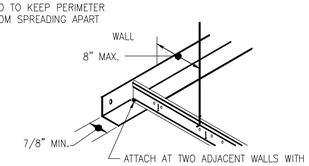
TYPICAL CEILING BRACING



WIRE TIE CONNECTIONS

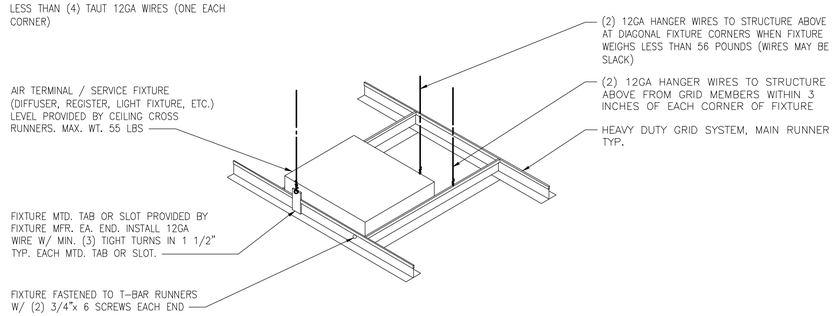


PERIMETER BEAMS/TEES AT NON-FIXED END



PERIMETER BEAMS/TEES AT FIXED END

NOTE: IF FIXTURE WEIGHS MORE THAN 56 LBS. IT MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN (4) TAUT 12GA WIRES (ONE EACH CORNER)



RECESSED FIXTURE SUPPORT

A1 TYP. CEILING DETAILS

SCALE: 1/4" = 1' - 0"

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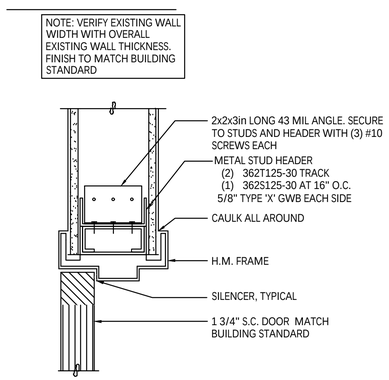
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

CEILING DETAILS

10682 REGISTERED ARCHITECT
MARGUNE M. TIERSE
STATE OF WASHINGTON

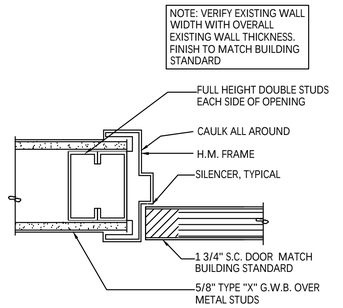
ARCHITECTURAL

A602



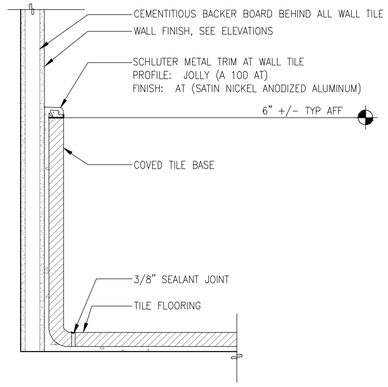
K1 TYPICAL HOLLOW METAL DOOR HEAD

SCALE: 3" = 1' - 0"



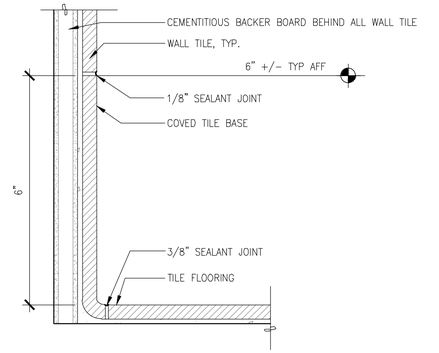
K5 HOLLOW METAL DOOR JAMB

SCALE: 3" = 1' - 0"



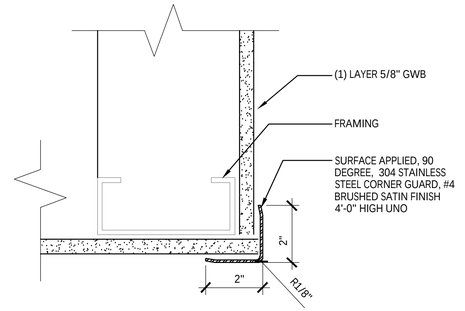
K9 COVE BASE TILE @ PAINT

SCALE: 6" = 1' - 0"



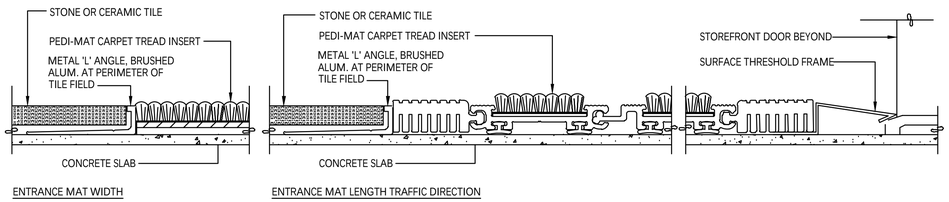
K13 COVE BASE TILE @ TILE

SCALE: 6" = 1' - 0"



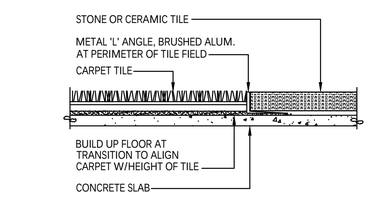
K17 CORNER GUARD TYPICAL

SCALE: 6" = 1' - 0"



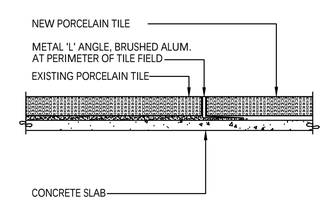
F1 FLOOR TRANSITION DETAIL
ENTRANCE MAT TO CERAMIC TILE @ STOREFRONT THRESHOLD

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



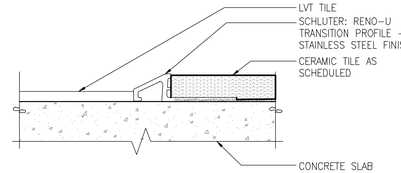
F10 FLOOR TRANSITION DETAIL
CARPET TO PORCELAIN TILE

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



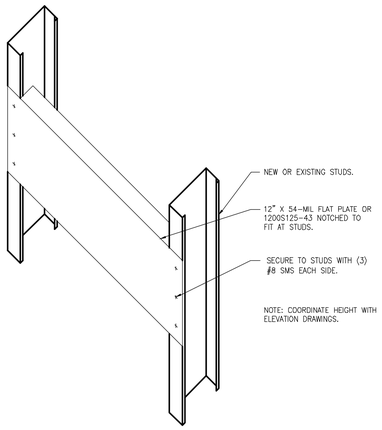
F14 FLOOR TRANSITION DETAIL
EXISTING PORCELAIN TILE
TO NEW PORCELAIN TILE

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



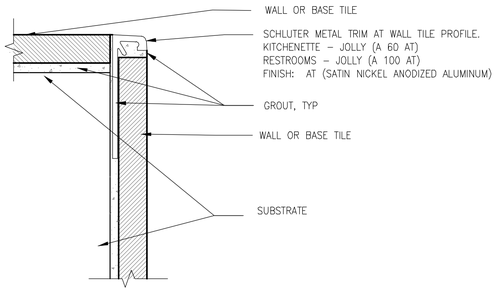
F17 FLOOR TRANSITION DETAIL
LVT TO PORCELAIN TILE

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



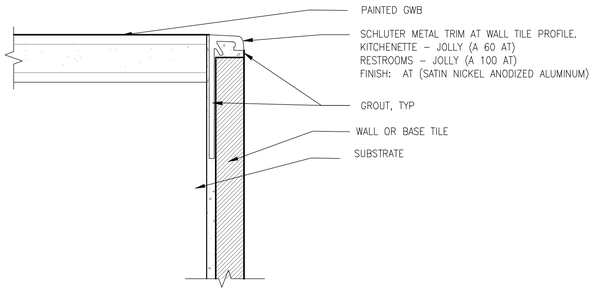
A1 BACKER BOARD DETAIL TYPICAL

SCALE: 3" = 1' - 0"



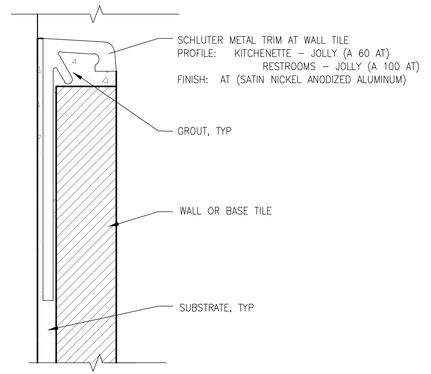
A5 TILE CORNER TRANSITION

SCALE: 1' = 1' - 0"



A10 TILE CORNER TRANSITION

SCALE: 1' = 1' - 0"



A16 TILE TO PAINT TRANSITION

SCALE: 6" = 1' - 0"

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1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

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CHECKED BY: KK
SUBMITTED BY: EP
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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

GENERIC DETAILS

10082 REGISTERED ARCHITECT
KAROLINE M. DERSE
STATE OF WASHINGTON

ARCHITECTURAL

A603

Steel Truss Ceiling Structure

1. Route end of support wire (C) over truss at marked wire anchor support location. Twist wire tightly around itself at least four complete turns, and then thread loose end between truss and first turn. (See Figure 9)
2. Repeat for three remaining support locations.

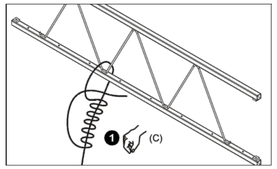


Figure 9

Ceiling Tray Installation

1. Reinstall ceiling tile (if applicable) and ceiling tray (A). Ensure proper orientation for location of hole.
2. Tighten the four 10-24 x 5/8" Phillips head screws (H) previously installed (SAE or Metric). (See Figure 10)

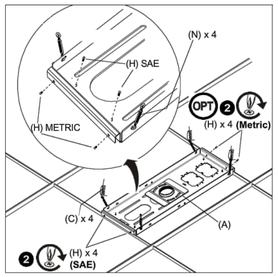


Figure 10

3. Adjust hooks and eyes on turnbuckles (N) so that approximately 1/4" - 1/2" (6.4mm - 12.7mm) of threads show on *inside* of turnbuckles (See Figure 11).
4. Attach the hook end of each turnbuckle (N) to the corresponding hole on the ceiling tray. (See Figure 11)
5. Insert corresponding support wire (C) through eye in each of the four turnbuckles (N). Pull wire tight and twist back around itself at least 4 complete turns, then thread loose end between eye and first turn. (See Figure 11)

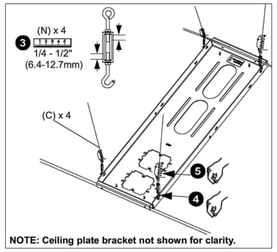


Figure 11

CAUTION: Failure to properly tension cables (C) may result in damage to ceiling tile framework!

6. Adjust turnbuckles (N) until tray (A) is supported *entirely* and *evenly* by all four support wires (C), but not so tight as to distort suspended ceiling framework (See Figure 11).

NOTE: FOR LOCATIONS THAT ARE NOT DIRECTLY BELOW TRUSS ATTACH UNISTRUT BETWEEN TRUSSES PER STRUCTURAL DETAIL F16/S901

SAFETY CABLE INSTALLATION

1. Attach safety cable (B) to steel truss ceiling structure at marked location.

NOTE: If no suitable steel truss structure exists, install concrete anchor (Simpson Tie-Wire concrete anchor #TWD25112, not included) or wood eye lag as required (hardware not included) per manufacturer's installation instructions.

A. For ceiling structure less than 4' (1.2m) from ceiling tray (A) (See Figure 12):
   - Attach one end of cable (B) to channel in tray (A). Secure with wire clamp (D).
   - Route opposite end of cable (B) over truss, and attach to opposite channel in tray (A). Remove cable slack and secure with wire clamp (D).

B. For ceiling structure from 4 - 7' (1.2 - 2.1m) from ceiling tray (A) (See Figure 13):
   - Route one end of safety cable (B) over truss and secure to itself with wire clamp (D).
   - Route opposite end of safety cable (B) through *both* channels in tray (A). Remove cable slack and secure to itself with wire clamp (D).

C. For ceiling structure more than 7' above tray (A):
   - Additional 1/8" diameter steel safety cable will be required (not included).
   - Attach cable to tray (A) per step 1.A. or 1.B. above. (See Figure 12) and (See Figure 13)

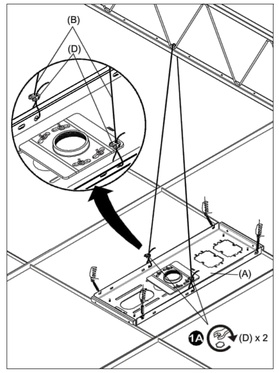


Figure 12

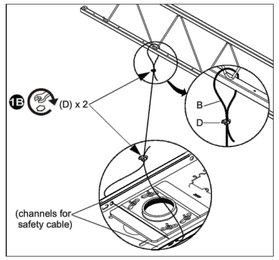


Figure 13

EXTENSION COLUMN INSTALLATION

WARNING: Exceeding the weight capacity can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the combined weight of all components attached to the CMA440 does not exceed 50 lbs (22.68 kg).

1. Install 1-1/2" NPT or NPSM following ANSI/ASME B1.20.1 (Schedule 40, 0.154" minimum thickness steel or aluminum - ASTM B221) threaded extension column (not included) into extension column support until tight, with a minimum of four threads engaged, using instructions provided with extension column accessory.

NOTE: If installation instructions are not available, contact Chief Manufacturing for assistance.

2. Install NPT ring (E) on extension column below ceiling tile (See Figure 14). If necessary, bend six tabs inward to secure ring to column.

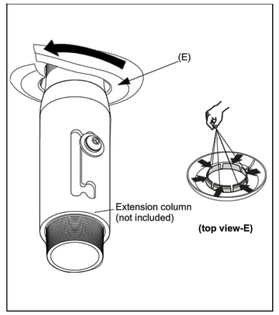


Figure 14

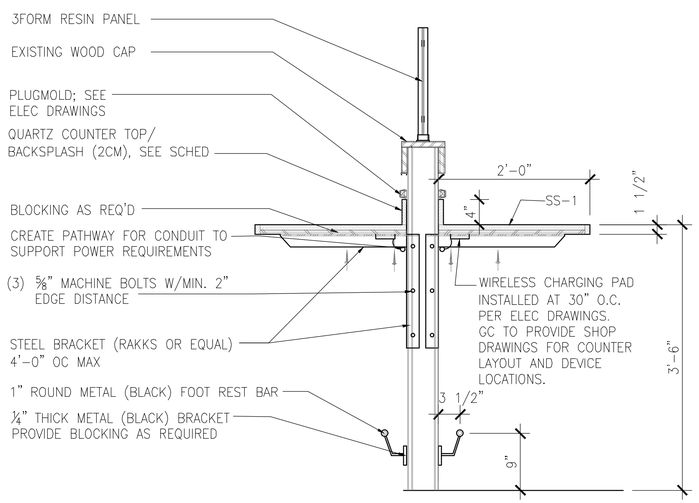
3. Reinstall remaining ceiling tiles as required.

FOR USE AT ACT TILE AND GRID LOCATIONS. CENTER ASSEMBLY IN TILE IN THE DIRECTION UNDER CONTROL OF PLACEMENT, IF POSSIBLE.

J1 CHIEF CMA440 SUSPENDED CEILING KIT DETAIL

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

0 1/2" 1" 2"



A1 TYPICAL KNUCKLE BAR SECTION

SCALE: 1" = 1' - 0"

0 6" 1' 2'

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: KM
DRAWN BY: KK
CHECKED BY: KK
SUBMITTED BY: ER
SIZE: 22"X34" ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

GENERIC DETAILS

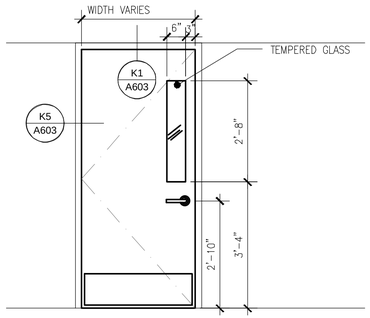
10682 REGISTERED ARCHITECT CAROLINE M. TIERSE STATE OF WASHINGTON

ARCHITECTURAL

A604

DOOR SCHEDULE

			DOOR		FRAME				
MARK	TO ROOM	DOOR TYPE	SIZE (QTY) (WxH)	MATERIAL	TYPE	MATERIAL	FINISH	HARDWARE SET	NEW/EXISTING
A130	CORRIDOR	D2	3'-0" x 7'-0"	HOLLOW METAL	F1	HM	PAINT FRAME AND DOOR TO MATCH ADJ WALL	A	NEW



DOOR TYPES

D2

HARDWARE SETS

DESIGNATION	QTY	DESCRIPTION	CATALOG NO.	FINISH	MFR
A	3	HINGES	MATCH BUILDING STANDARD	ALL STAINLESS STEEL CLEAR FINISH OR AS CLOSE AS POSSIBLE	
	3	SILENCERS	MATCH BUILDING STANDARD	ALL STAINLESS STEEL CLEAR FINISH OR AS CLOSE AS POSSIBLE	
	1 PR	PUSH PLATE/PULL HANDLE	IVES, 8302-8, 4" PULL PLATE AND CORRESPONDING PUSH PLATE ON REVERSE.	ALL STAINLESS STEEL CLEAR FINISH OR AS CLOSE AS POSSIBLE	
	1	DOOR CLOSER	MATCH BUILDING STANDARD	ALL STAINLESS STEEL CLEAR FINISH OR AS CLOSE AS POSSIBLE	
	2	DOOR STOP	MATCH BUILDING STANDARD	ALL STAINLESS STEEL CLEAR FINISH OR AS CLOSE AS POSSIBLE	
	2	KICK PLATES	34" X 14" TRIMCO OR EQUAL	ALL STAINLESS STEEL CLEAR FINISH OR AS CLOSE AS POSSIBLE	

DOOR AND DOOR HARDWARE NOTES:
1) THE TOP OF DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE MOUNTED BETWEEN 34" AND 48 " ABOVE THE FINISH FLOOR. DOOR HANDLES PREFERRED AT 36".
DOOR MUST BE OPERABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT DURING PERIODS THAT THE SPACE IS OCCUPIED. EXTERIOR DOORS SHALL HAVE A U VALUE OF .37.
2) ALL HARDWARE IN WET OR HUMID AREAS SHALL BE STAINLESS STEEL TO PREVENT RUST.

GLAZING SCHEDULE

WINDOW			FRAME		
MARK	WIDTH	HEIGHT	TYPE	MATERIAL	NEW/EXISTING
W10	6 PANELS APPROX 4' – 0" EACH OR 24' TOTAL	APPROX. 4' – 0"	MATCH EXISTING STOREFRONT SYSTEM	ALUMINUM	NEW
W11	4 PANELS APPROX. 15' TOTAL OF UNEQUAL PANELS; FIELD MEASURE	APPROX. 4' – 0"	MATCH EXISTING STOREFRONT SYSTEM	ALUMINUM	NEW

1) CONTRACTOR SHALL FIELD MEASURE ALL WINDOW PANELS.
2) ALL GLAZING SHALL BE LOW-E DUAL GLAZED PANELS.
3) ALL ALUM. FRAMES SHALL HAVE THERMAL BRAKES IN FRAME.
4) MATCH ALL EXISTING CONDITIONS INCLUDING TINTING AT GLASS.
5) EXISTING GLASS IS INSULATED.
6) REPAIR INTERIOR & EXTERIOR FINISHES & FLASHING AS NEEDED.

ACCESSORY SCHEDULE (FOR MORE DETAIL – SEE PLUMBING SPECS)

NO.	EQUIPMENT	MANUFACTURER	TYPE	FINISH	REMARKS
P1	UNDER-MOUNT SINK	AMERICAN STANDARD	SEE PLUMBING SPECS	WHITE	FOH TOILET ROOMS
P2	SINK FAUCET	AMERICAN STANDARD	SEE PLUMBING SPECS	POLISHED CHROME	–
P3	EXISTING TOILET	–	–	–	–
P4	NEW TOILET SEAT	AMERICAN STANDARD	SEE PLUMBING SPECS	WHITE	EA TOILET
F1	WASTE RECEPTACLE	BOBRICK	B-277	ST STL	SURFACE MOUNTED
F2	PAPER TOWEL DISPENSER	GEORGIA PACIFIC	SOFPULL MECHANICAL PAPER TOWEL DISPENSER; ITEM ID 59489	SMOKE	SURFACE MOUNTED
F3A	MIRROR	AMERICAN SPECIALTIES INC	0600-7236; 72" W X 36" H	ST STL & MIRROR	SURFACE MOUNTED; SEE ELEVATIONS FOR DIMENSIONS
F3B	MIRROR	AMERICAN SPECIALTIES INC	0600-2436; 24" W X 36" H	ST STL & MIRROR	SURFACE MOUNTED; SEE ELEVATIONS FOR DIMENSIONS
F4	GRAB BARS	BOBRICK	B-5806	ST STL	SURFACE MOUNTED (VERTICAL AND HORIZONTAL), USE WALL ANCHORS @ CMU WALL
F5	TOILET PAPER DISPENSER	GEORGIA PACIFIC	COMPACT 4-ROLL ROTARY CORELESS; ITEM ID 56788	SMOKE	SURFACE MOUNTED
F6	SEAT COVER DISPENSER	(E)	(E)	(E)	REINSTALL EXISTING; SEE ELEVATIONS
F7	SANITARY NAPKIN DISPOSAL	BOBRICK	B-35139	ST STL	SURFACE MOUNTED
F8	COAT HOOK	BOBRICK	B-6827; SURFACE MOUNTED	ST STL	–
F9	FEMININE PRODUCT DISPENSER	ASI	0864; SURFACE MOUNTED	ST STL	AFB TO CONFIRM PAID OR FREE OPERATION
F10	TOILET PARTITION	HADRIAN	HEADRAIL BRACED; STANDARD SOLID PLASTIC	COLOR LIGHT GREY, STAINLESS STEEL HARDWARE	FRONT OF HOUSE AND BACK OF HOUSE RESTROOMS
F11	SOAP DISPENSER	(E)	(E)	(E)	REINSTALL EXISTING; SEE ELEVATIONS
F12	ADA BENCH	LYON	ADA LOCKER ROOM BENCH WITH BACK AND STEEL PEDESTALS 42"; SKU: ADABK4220	WOOD	
F13	URINAL PARTITION	HADRIAN	WALL MOUNTED; STANDARD SOLID PLASTIC	COLOR LIGHT GREY, STAINLESS STEEL HARDWARE	FRONT OF HOUSE MEN'S RESTROOM

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

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HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

SCHEDULES

10082 REGISTERED ARCHITECT
KAROLINE M. TIERSE
STATE OF WASHINGTON

ARCHITECTURAL

A701

FINISH SCHEDULE

NO.	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	REMARKS
ACT-1	2' X 4' X 5/8" CEILING TILE	ARMSTRONG	CERAMAGUARD UNPERFORATED	WHITE	SQUARE LAY IN 15/16"; GRID: PRELUDE PLUS XL EXPOSED GRID 15/16" CERAMAGUARD WHITE ALUMINUM (.86% LIGHT REFLECTANCE)
ACT-2	2' X 2' X 3/4" CEILING TILE	ARMSTRONG	OPTIMA	WHITE	SQUARE LAY IN 15/16"; GRID: PRELUDE XL EXPOSED GRID 15/16" WHITE (.88% LIGHT REFLECTANCE)
ACT-3	2' X 2' X 5/8" CEILING TILE	ARMSTRONG	ULTIMA VECTOR KITCHEN ZONE	WHITE	SQUARE LAY IN 15/16"; GRID: PRELUDE XL EXPOSED 15/16" WHITE (.89% LIGHT REFLECTANCE)
CG-1	CORNER GUARDS	INPRO	STAINLESS STEEL 2" X 2" X 48"	STAINLESS STEEL	INSTALL ABOVE SCHEDULED WALL BASE PER MANF INSTRUCTIONS
CPT-1	CARPET TILE	J+J FLOORING	CUMULUS 7480	3485 ALTO NATURAL	SEE FINISH PLAN FOR LOCATION; INSTALLATION: ASHLAR
CPT-2	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
CPT-3	WALK OFF MAT	PEDIMAT	MONOTUFT	ANTHRACITE	SEE DETAIL F1/A603
CT-1	CERAMIC TILE FLOOR (FIELD)	DALTILE	SOCIETY 12 X 24	MONUMENT WHITE SO45	INSTALLATION: ASHLAR
CT-2	CERAMIC TILE FLOOR (FIELD)	DALTILE	SOCIETY 12 X 24	UNION SMOKE SD48	FOH & BOH RESTROOM FLOORS; INSTALLATION: ASHLAR
CT-3	CERAMIC TILE COVE BASE	DALTILE	SOCIETY 6 X 12 COVE BASE	MONUMENT WHITE SO45	GROUT TO ALIGN WITH FLOOR TILE
CT-4	CERAMIC WALL TILE (SERVERY)	DALTILE	REMEDY; 2-3/8 X 9-1/2 GLOSSY	HYDRO RD22	INSTALLATION: BRICK FIELD WITH VERTICAL SOLDIER TRIM, SEE ELEVATIONS
CT-5	CERAMIC WALL TILE	DALTILE	RIGID CLAY 12 X 24	SALT RECTANGLE RIDGE RC10	FOH & BOH RESTROOM WALLS; INSTALL HORIZONTAL STACKED
CT-6	CERAMIC TILE COVE BASE	DALTILE	SOCIETY 6 X 12 COVE BASE	UNION SMOKE SD48	GROUT TO ALIGN WITH FLOOR TILE
FRP-1	FIBERGLASS REINFORCED PLASTIC	MARLITE	STANDARD	WHITE	SURROUNDING DISH DROP; SEE ELEVATIONS
GT-1	EPOXY GROUT (QUARRY TILE)	TO MATCH EXISTING	TO MATCH EXISTING	TO MATCH EXISTING	TO BE USED AT ALL LOCATIONS WHERE QUARRY TILE WILL BE PATCHED
GT-2	GROUT (CT-1/CT-3/CT-4)	MAPEI	KERAPOXY CQ	PEWTER	-
GT-3	GROUT (CT-2/CT-6)	MAPEI	KERAPOXY CQ	IRON	-
GT-4	GROUT (CT-5)	MAPEI	KERAPOXY CQ	FROST	-
LVT-1	LUXURY VINYL TILE	SHAW	SOLITUDE 0648V	COCOA 48103	INSTALLATION: ASHLAR, OFFSET BY THIRDS
PT-1	INTERIOR PAINT (FIELD)	SHERWIN WILLIAMS	SATIN	DRIFT OF MIST 9166	SEE NOTE #2 BELOW FOR PAINT FINISH LOCATIONS OF PAINT @ CMU WALLS
PT-2	INTERIOR PAINT (ACCENT)	SHERWIN WILLIAMS	SATIN	DOVETAIL 7018	SEMI-GLOSS AT SERVERY LOCATIONS
PT-3	INTERIOR PAINT (ACCENT)	SHERWIN WILLIAMS	SATIN	DEEP SEA DIVE 7618	SEMI-GLOSS AT SERVERY LOCATIONS
PT-4	INTERIOR CEILING PAINT	SHERWIN WILLIAMS	FLAT	HIGH REFLECTIVE WHITE 7757	-
PT-5	INTERIOR PAINT (ACCENT)	SHERWIN WILLIAMS	SATIN	IRON ORE 7069	WALL CAP @ RESIN PANEL WALLS
PL-1	PLASTIC LAMINATE	FORMICA	WOODBRUSH (WB)	NATURAL ASH 8843	-
PL-2	PLASTIC LAMINATE	PIONITE	TEXTURED/SUEDE (SD)	SUMMER VACATION SB027	-
QT-1	QUARRY TILE (6X6)	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	FOR PATCH & REPAIR WHERE REQUIRED TO MATCH EXISTING
QT-2	QUARRY TILE COVE BASE (6X6)	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	INSTALL ALL SPECIALTY TRIMS (INSIDE/OUTSIDE CORNERS & COVE BASE CORNER) FOR PATCH/REPAIR TO MATCH EXISTING
RB-1	4" RUBBER BASE	ROPPE	4" COVE	CHARCOAL	-
RP-1	RESIN PANEL	LUMICOR	NATURAL	MEADOW	DINING ROOMS & LOBBY
SS-1	SOLID SURFACE SERVERY & RESTROOM COUNTERS	DALTILE	ONE QUARTZ	LINCOLN WHITE	-

FINISH NOTES

1. ANY AND ALL REFERENCES TO A SPECIFIC MANUFACTURER OR PRODUCT IS MADE TO ESTABLISH A BASIS-OF-DESIGN FOR MATERIAL, COLOR, TEXTURE, PATTERN, ETC. OTHER MFG PRODUCTS OF EQUAL OR GREATER QUALITY MAY BE SUBMITTED FOR ACCEPTANCE.
2. EPOXY PAINT AT REPAIRED SURFACES OF EXPOSED CMU BLOCK TO MATCH ADJACENT SURFACE COLOR AS CLOSELY AS POSSIBLE, DAMAGED CMU TO BE REPAIRED WITH MORTAR TO LIKE NEW CONDITION.
3. SEE FINISH PLAN FOR MORE INFO.

ROOM FINISH SCHEDULE

NO.	ROOM NAME	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING	FLOOR	REMARKS
A100	VESTIBULE	PT-1	PT-1	PT-1	PT-1	PT-4	SEE FLOOR FINISH PLAN	
A101	LOBBY	PT-1	PT-1	PT-1	PT-1	PT-4	SEE FLOOR FINISH PLAN	
A102	CORRIDOR	PT-1	PT-1	PT-1	PT-1	PT-4	SEE FLOOR FINISH PLAN	
A103	JANITOR	-	-	-	-	-	SEE FLOOR FINISH PLAN	(E) FINISHES TO REMAIN
A104	MEN'S VESTIBULE	PT-1	PT-1	PT-1	PT-1	-	SEE FLOOR FINISH PLAN	
A105	MEN'S TOILET	PT-1 / CT-5	PT-1 / CT-5	PT-1 / CT-5	PT-1 / CT-5	-	SEE FLOOR FINISH PLAN	SEE A405 & A406 PLAN & ELEVATIONS FOR FINISH LOCATIONS
A106	WOMEN'S VESTIBULE	PT-1	PT-1	PT-1	PT-1	-	SEE FLOOR FINISH PLAN	
A107	WOMEN'S TOILET	PT-1 / CT-5	PT-1 / CT-5	PT-1 / CT-5	PT-1 / CT-5	-	SEE FLOOR FINISH PLAN	SEE A405 & A406 PLAN & ELEVATIONS FOR FINISH LOCATIONS
A108	MECH RM #1	-	-	-	-	-	SEE FLOOR FINISH PLAN	(E) FINISHES TO REMAIN
A109	MEN'S LOCKERS	PT-1	PT-1	PT-1	PT-1	PT-4	SEE FLOOR FINISH PLAN	
A110	MEN'S TOILET	PT-1 / CT-5	PT-1 / CT-5	PT-1 / CT-5	PT-1 / CT-5	PT-4	SEE FLOOR FINISH PLAN	SEE A407 PLAN & ELEVATIONS FOR FINISH LOCATIONS
A111	JANITOR	-	-	-	-	-	SEE FLOOR FINISH PLAN	
A112	WOMEN'S TOILET	PT-1 / CT-5	PT-1 / CT-5	PT-1 / CT-5	PT-1 / CT-5	PT-4	SEE FLOOR FINISH PLAN	SEE A408 PLAN & ELEVATIONS FOR FINISH LOCATIONS
A113	WOMEN'S LOCKERS	PT-1	PT-1	PT-1	PT-1	PT-4	SEE FLOOR FINISH PLAN	
A114	CORRIDOR	PT-1	PT-1	PT-1	PT-1	ACT-3	SEE FLOOR FINISH PLAN	
A115	ELECT RM	-	-	-	-	-	SEE FLOOR FINISH PLAN	(E) FINISHES TO REMAIN
A116	VESTIBULE	-	-	-	-	-	SEE FLOOR FINISH PLAN	
A117A	SERVER RM	-	-	-	-	-	SEE FLOOR FINISH PLAN	
A117	COMM RM	-	-	-	-	-	SEE FLOOR FINISH PLAN	
A118	OFFICE	PT-1	PT-1	PT-1	PT-1	ACT-2	SEE FLOOR FINISH PLAN	
A119	OFFICE	PT-1	PT-1	PT-1	PT-1	ACT-2	SEE FLOOR FINISH PLAN	
A120	OFFICE	PT-1	PT-1	PT-1	PT-1	ACT-2	SEE FLOOR FINISH PLAN	
A121	KITCHEN	PT-1	PT-1	PT-1	PT-1	ACT-3	SEE FLOOR FINISH PLAN	
A122	RECEIVING	-	-	-	-	ACT-2	SEE FLOOR FINISH PLAN	(E) FINISHES TO REMAIN
A123	DRY STORAGE	-	-	-	-	ACT-3	SEE FLOOR FINISH PLAN	(E) FINISHES TO REMAIN
A124	OFFICE	PT-1	PT-1	PT-1	PT-1	ACT-2	SEE FLOOR FINISH PLAN	
A125	STORAGE	-	-	-	-	ACT-3	SEE FLOOR FINISH PLAN	(E) FINISHES TO REMAIN
A126	PAN STOR	-	-	-	-	ACT-3	SEE FLOOR FINISH PLAN	CLARIFY IF ANY FINISHES ARE TO BE REFRESHED
A127	CASHIER'S OFFICE	PT-1	PT-1	PT-1	PT-1	ACT-2	SEE FLOOR FINISH PLAN	
A128	POT WASH	(E)	(E)	(E)	(E)	ACT-3	SEE FLOOR FINISH PLAN	(E) ST STL PANELS TO REMAIN. NEW WALLS TO RECEIVE NEW ST STL PANELS TO MATCH (E). FRP PANELS AT OPENING.
A129	DISH WASH	(E)	(E)	(E)	(E)	ACT-3	SEE FLOOR FINISH PLAN	(E) ST STL PANELS TO REMAIN. NEW WALLS TO RECEIVE NEW ST STL PANELS TO MATCH (E). FRP PANELS AT OPENING.
A130	CORRIDOR	PT-1	PT-1	PT-1	PT-1	ACT-3	SEE FLOOR FINISH PLAN	
A131	COOK'S REF	-	-	-	-	-	SEE FLOOR FINISH PLAN	
A132	HOT LINE SERVING	CT-4/PT-1	CT-4/PT-1	-	CT-4/PT-1	ACT-1	SEE FLOOR FINISH PLAN	
A133	SELF SERVE	-	-	-	-	ACT-2/GWB /PT-4	SEE FLOOR FINISH PLAN	
A134	GRILLE	CT-4/PT-1	CT-4/PT-1	PT-1	-	ACT-1	SEE FLOOR FINISH PLAN	
A135	DINING AREA A	-	PT-3	PT-2	PT-2	ACT-2 / GWB PT-4	SEE FLOOR FINISH PLAN	
A136	DINING AREA B	-	PT-3	PT-2	PT-3	ACT-2 / GWB PT-4	SEE FLOOR FINISH PLAN	
A137	DINING AREA C	-	PT-3/PT-2	PT-2	PT-3	ACT-2 / GWB PT-4	SEE FLOOR FINISH PLAN	
A138	POSTAL SORTING & STORAGE AREA	-	-	-	-	-	-	NIC
A139	POSTAL LOBBY	-	-	-	-	-	-	NIC
A140	OFFICE	-	-	-	-	-	-	NIC
A141	MECH RM #2	-	-	-	-	-	-	(E) FINISHES TO REMAIN
A142	BOILER RM	-	-	-	-	-	-	(E) FINISHES TO REMAIN
A145	PIZZA	-	-	PT-1	CT-4/PT-1	ACT-1	-	

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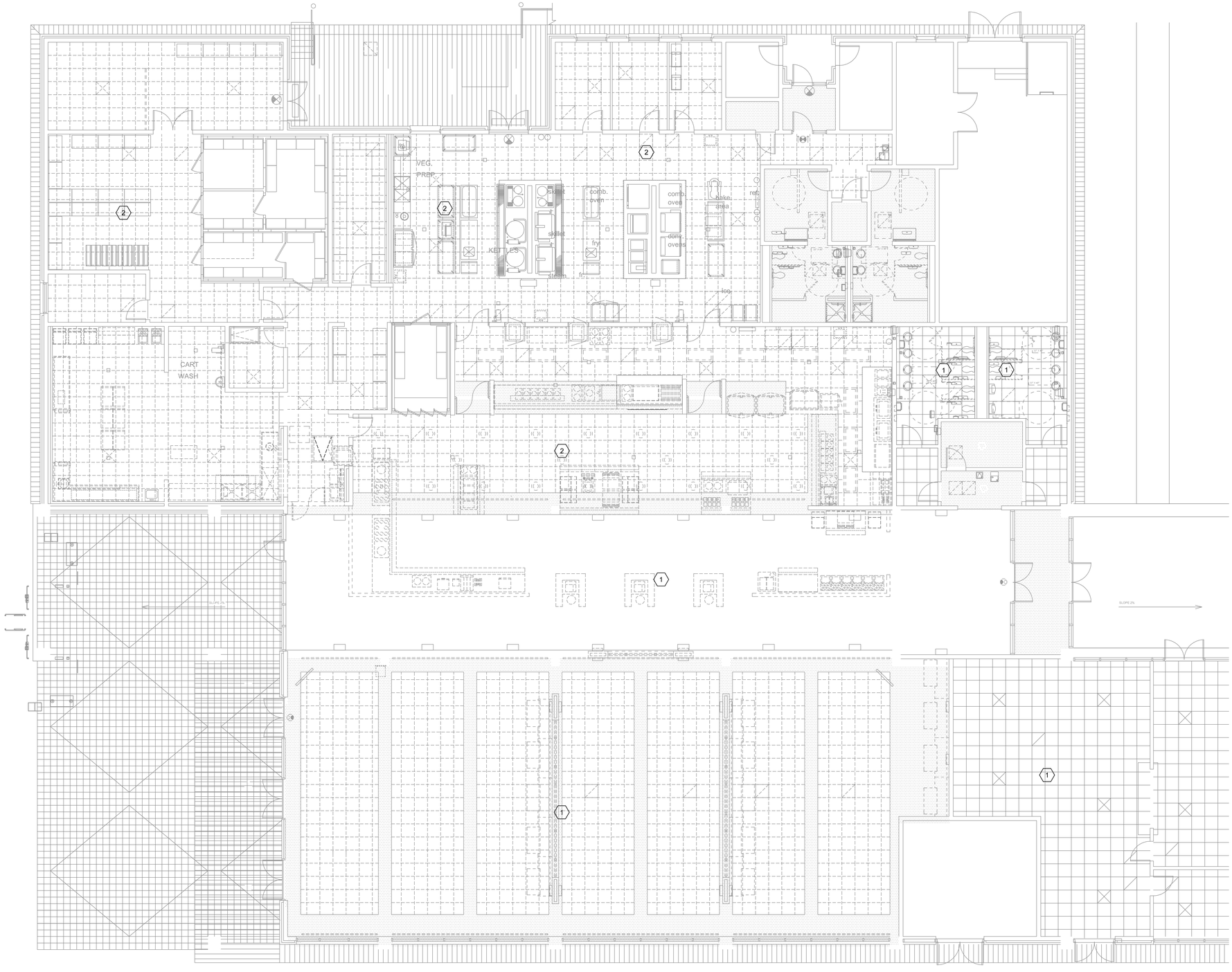
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

SCHEDULES

10682 REGISTERED ARCHITECT CAROLINE W. TIERSE STATE OF WASHINGTON

ARCHITECTURAL

A702



1 FIRE ALARM / SPRINKLER EXISTING PLAN
FP101 SCALE: 1/8" = 1' 0"

KEYED NOTES

1. AREA OF SCOPE IS TO BE EXISTING TO REMAIN.
2. EXISTING CEILING TO BE REPLACED. PROTECT EXISTING DEVICES DURING CONSTRUCTION.

LEGEND

- F - FIRE PULL STATION - EXISTING
- F - HORN STROBE - EXISTING
- BELL - EXISTING
- S - SMOKE DETECTOR - EXISTING
- S - DUCT SMOKE DETECTOR
- EXISTING SPRINKLER TO BE RELOCATED
- EXISTING SPRINKLER TO PLUGGED
- EXISTING SPRINKLER TO REMAIN

CODE REFERENCES

- NFPA 13, 2022 EDITION
- 2021 INTERNATIONAL BUILDING CODE W/ SC MODIFICATIONS
- 2021 INTERNATIONAL FIRE CODE W/ SC MODIFICATIONS
- UFC 3-600-01 FIRE PROTECTION ENGINEERING FOR FACILITIES WITH CHANGE 6 05-06-2021
- NFPA 10 - 2022 EDITION
- NFPA 70 - 2020 NATIONAL ELECTRICAL CODE W/ SC MODIFICATIONS
- NFPA 101 - 2021 EDITION
- ANSI A117-1 2017
- SHAW AFB IFS 2019

LICENSED PROFESSIONAL ENGINEER TIMOTHY ROBERT CAMPBELL FIRE PROTECTION STATE OF CALIFORNIA FP 2004

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FIRE PROTECTION EXISTING PLAN

FIRE PROTECTION
FP101

\\CORP.SALASOBRIEN.COM\ATL\2021\2021-04777\CAD\SHEETS\PROJ NUMBER-FP101 FIRE PROTECTION EXISTING PLAN.DWG
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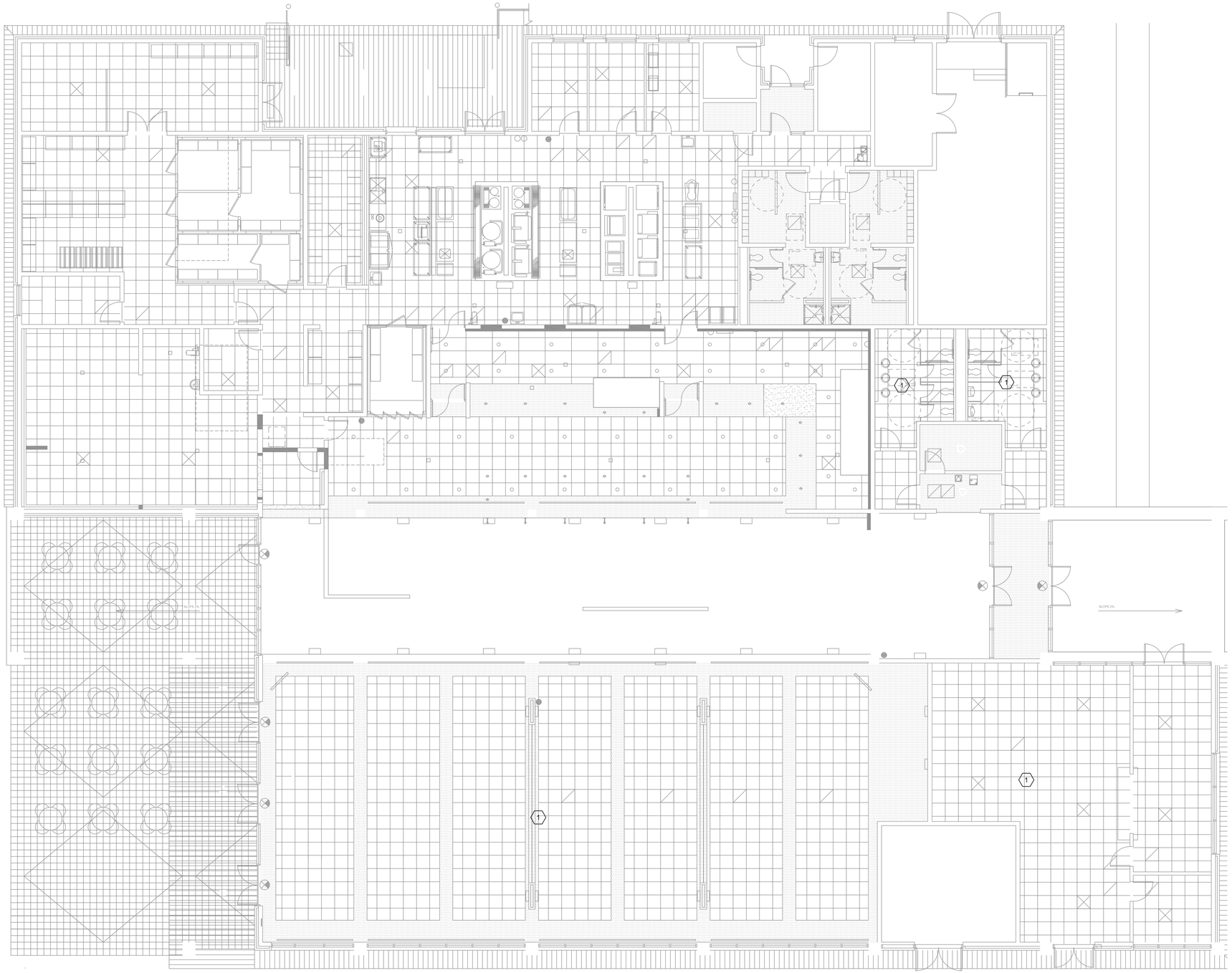

1 FP102 FIRE ALARM / SPRINKLER PLAN
SCALE: 1/8" = 1' 0"

KEYED NOTES

1. AREA OF SCOPE IS TO BE EXISTING TO REMAIN. PROTECT DEVICES IN PLACE DURING CONSTRUCTION.

LEGEND

- F - FIRE PULL STATION - EXISTING
- H - HORN STROBE
- S - STROBE
- (F) - CEILING MOUNTED HORN/STROBE
- (S) - DUCT SMOKE DETECTOR
- ● - NEW SPRINKLER LOCATION FOR EXISTING SPRINKLER
- ◔ - NEW SPRINKLER

CODE REFERENCES

- NFPA 13, 2022 EDITION
- 2021 INTERNATIONAL BUILDING CODE W/ SC MODIFICATIONS
- 2021 INTERNATIONAL FIRE CODE W/ SC MODIFICATIONS
- UFC 3-600-01 FIRE PROTECTION ENGINEERING FOR FACILITIES WITH CHANGE 6 05-06-2021
- NFPA 10 - 2022 EDITION
- NFPA 70 - 2020 NATIONAL ELECTRICAL CODE W/ SC MODIFICATIONS
- NFPA 101 - 2021 EDITION
- ANSI A117-1 2017
- SHAW AFB IFS 2019

LICENSED PROFESSIONAL ENGINEER
TIMOTHY ROBERT CAMPBELL
FP 2004
FIRE PROTECTION
STATE OF CALIFORNIA

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: KM
DRAWN BY: KK
CHECKED BY: KK
SUBMITTED BY: ER
SIZE: ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
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SHAW AFB, SC 29152

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15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FIRE PROTECTION PLAN

FIRE PROTECTION
FP102

\\CORP.SALASOBRIEN.COM\ATL\2021\2021-04777\CAD\SHEETS\PROJ NUMBER-FP102 FIRE PROTECTION PLAN.DWG
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PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	S	SEWER PIPE
OW	OW	OILY WASTE PIPE
GW	GW	GREASE WASTE PIPE
PW	PW	PUMPED (FORCED) WASTE PIPE
IW	IW	INDIRECT WASTE PIPE
	V	VENT PIPE
	CW	COLD WATER PIPE
ICW	ICW	INDUSTRIAL COLD WATER PIPE
SCW	SCW	SOFT COLD WATER PIPE
	HW	HOT WATER PIPE
IHW	IHW	INDUSTRIAL HOT WATER PIPE
	HWR	HOT WATER RETURN PIPE
140	140	140°F HOT WATER PIPE
G	G	LOW PRESSURE NATURAL GAS PIPE
MPG	MPG	MEDIUM PRESSURE NATURAL GAS PIPE
CD	CD	CONDENSATE DRAIN PIPE
SCD	SCD	SECONDARY CONDENSATE DRAIN PIPE
PCD	PCD	PUMPED CONDENSATE DRAIN PIPE
RD	RD	ROOF DRAIN PIPE
ORD	ORD	OVERFLOW ROOF DRAIN PIPE
TP	TP	TRAP PRIMER PIPE
PTR	PTR	PRESSURE AND TEMPERATURE RELIEF PIPE
	FCO	FLOOR CLEAN OUT
	GCO	GRADE CLEAN OUT
	WCO	WALL CLEAN OUT
	FC	FLEXIBLE CONNECTION
	SOV	SHUT OFF VALVE
	GC	GAS COCK
	CV	CHECK VALVE
	BV	BALL VALVE
	PRV	PRESSURE REDUCING VALVE
	BLV	BALANCING VALVE
PTR	PTR	PRESSURE AND TEMPERATURE RELIEF VALVE
	U	UNION
		CAPPED PIPE
	CONT	CONTINUED OR CONTINUATION
TP		TRAP PRIMER
	WHA	WATER HAMMER ARRESTOR
	RPBP	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
	HB	HOSE BIBB
		PIPE DOWN OR DROP
		PIPE UP OR RISE
	T	THERMOMETER
	AS	AQUASTAT
	POD	POINT OF DISCONNECT
	POC	POINT OF CONNECTION
	AD, FD	AREA DRAIN OR FLOOR DRAIN
	FS, RR	FLOOR SINK OR ROOF RECEPTOR
	VTR	VENT THROUGH ROOF
	DEMO	DEMOLITION OR DEMOLISH
	CIRC PUMP	CIRCULATING PUMP

ABBREVIATION	DESCRIPTION
ABA	ARCHITECTURAL BARRIERS ACT OF 1968
ABV	ABOVE
A/C	ABOVE CEILING
AGA	AMERICAN GAS ASSOCIATION
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
ASME	AMERICAN SOCIETY FOR MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS.
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
A/G	ABOVE GRADE
AP	ACCESS PANEL
ARCH	ARCHITECT OR ARCHITECTURAL
BT	BATH TUB
BEL	BELOW
B/F	BELOW FLOOR
B/G	BELOW GRADE
BOP	BOTTOM OF PIPE
B/S	BELOW SLAB
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNITS PER HOUR
CI	CAST IRON
CISPI	CAST IRON SOIL PIPE INSTITUTE
CLG	CEILING
CP	CIRCULATION PUMP
CL	CLARIFIER
CLR	CLEAR
CONC	CONCRETE
CONN	CONNECT OR CONNECTION
CONTR	CONTRACTOR
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
°C	DEGREES CELSIUS
°F	DEGREES FAHRENHEIT
DIV	DIVISION
DWG(S)	DRAWING(S)
(E)	EXISTING
EA	EACH
ELEC	ELECTRICAL
ELEV	ELEVATION
ET	EXPANSION TANK
FF	FINISHED FLOOR
FPM	FEET PER MINUTE
FLR	FLOOR
FT	FEET OR FOOT
FU	FIXTURE UNIT
FOG	FAT, OIL, AND GREASE
GA	GAUGE
GALV	GALVANIZED
GPC	GALLONS PER CYCLE
GPF	GALLONS PER FLUSH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GD	GARBAGE DISPOSAL
GI	GREASE INTERCEPTOR
HD	HEAD
HDR	HEADER
HR	HOUR
IM	ICE MAKER SUPPLY BOX
IES	ILLUMINATING ENGINEERS SOCIETY
IND	INDIRECT
IAPMO	INTERNATIONAL ASSOCIATION OF PLUMBERS AND MECHANICAL OFFICIALS
IBC	INTERNATIONAL BUILDING CODE
IECC	INTERNATIONAL ENERGY CONSERVATION CODE
IFC	INTERNATIONAL FIRE CODE
IMC	INTERNATIONAL MECHANICAL CODE
IPC	INTERNATIONAL PLUMBING CODE
INV	INVERT
IE	INVERT ELEVATION
KS	KITCHEN SINK
LS	LAUNDRY SINK
L_LAV	LAVATORY
MFR	MANUFACTURER
MSS	MANUFACTURERS STANDARDIZATION SOCIETY
MAX	MAXIMUM
MECH	MECHANICAL
MSA	MEDIUM PRESSURE GAS METER SET ASSEMBLY
MIN	MINIMUM
MM	MILLIMETER
MS	MOP SINK
MTD	MOUNTED
NSF	NATIONAL SANITATION FOUNDATION
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
NO	NUMBER
PLBG	PLUMBING
PDI	PLUMBING AND DRAINAGE INSTITUTE
PE	POLYETHYLENE
LBS	POUNDS
PSIG	POUNDS PER SQUARE INCH
QTY	QUANTITY
REQ'D	REQUIRED
RI	ROUGH-IN
SOV	SHUT-OFF VALVE
SPEC	SPECIFICATION
SF	SQUARE FEET
SS	STAINLESS STEEL
MBH	THOUSAND OF BRITISH THERMAL UNITS PER HOUR
THRU	THROUGH
TDH	TOTAL DEVELOPED HEAD
TDL	TOTAL DEVELOPED LENGTH
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UBC	UNIFORM BUILDING CODE
UMC	UNIFORM MECHANICAL CODE
UPC	UNIFORM PLUMBING CODE
UR	URINAL
V/PH/Hz	VOLTS/PHASE/HERTZ
WC	WATER CLOSET
WHA	WATER HAMMER ARRESTOR
WH	WATER HEATER
YB	YARD BOX

PLUMBING GENERAL NOTES:

1. THESE DOCUMENTS MAY NOT BE USED FOR ANY REPRODUCTION, BIDDING, OR CONSTRUCTION UNLESS AUTHORIZED, IN WRITING, BY SALAS O'BRIEN AND THE ENGINEER OF RECORD RESPONSIBLE FOR THEIR PREPARATION.
2. CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITY PIPES PRIOR TO START OF WORK. NECESSARY ADJUSTMENTS TO THE PLUMBING LAYOUT SHALL BE DONE AT NO EXTRA COST.
3. CONTRACTOR SHALL NOTIFY ALL LOCAL UTILITY COMPANIES INCLUDING BUT NOT LIMITED TO THE GAS COMPANY, ELECTRIC COMPANY, TELEPHONE COMPANY, AND THE WATER DEPARTMENT, ABOUT THE EXTENT OF PLUMBING WORK. ALL EXCAVATION WORK SHALL BE APPROVED BY ALL UTILITY COMPANIES TO ASSURE PREVENTION OF INTERRUPTION OF EXISTING SERVICES PRIOR TO START OF WORK.
4. ALL PLUMBING WORK SHALL MEET OR EXCEED THE REQUIREMENTS OF THE INTERNATIONAL PLUMBING CODE, INTERNATIONAL CODE, INTERNATIONAL MECHANICAL CODE, ARCHITECTURAL ACT (A.B.A.), UNIFIED FACILITIES CRITERIA (UFC), NATIONAL PROTECTION ASSOCIATION (N.F.P.A.), THE LOCAL CITY AND CODES, AND ALL OTHER CODES HAVING JURISDICTION. IN CONFLICT, THE MORE STRICT REGULATIONS SHALL GOVERN.
5. ALL PLUMBING WORK SHALL BE COORDINATED WITH THE WORKS OF OTHER TRADES PRIOR TO START OF WORK. NECESSARY ADJUSTMENTS SHALL BE MADE AT NO EXTRA COST.
6. FOR MINIMUM PIPE SIZE CONNECTIONS TO EACH PLUMBING FIXTURE SEE PLUMBING FIXTURE SCHEDULE. THESE VALUES ARE MINIMUM; LARGER CONNECTIONS MAY RESULT BASED ON THE DIFFERENT MANUFACTURER'S RECOMMENDATIONS.
7. MANUFACTURER'S NAMES AND MODEL NUMBERS SHOWN FOR PLUMBING FIXTURES AND EQUIPMENT ARE FOR REFERENCE ONLY. OTHER MANUFACTURERS WHICH CAN MEET THE DESIGN REQUIREMENTS OF THE PLUMBING SYSTEM MAY BE SUBSTITUTED UPON APPROVAL FROM THE ARCHITECT AND THE OWNER.
8. SEWER, ROOF DRAIN AND VENT PIPES ABOVE GROUND SHALL BE ASTM A74 SERVICE WEIGHT CAST IRON, SEWER, ROOF DRAIN AND VENT PIPE BELOW GROUND SHALL BE ABS SCHEDULE 40 AND SHALL CONFORM TO ASTMD 2321-2000. ALL FITTINGS SHALL BE AS PER IPC. SEWER, ROOF DRAIN AND VENT PIPES SHALL BE UNIFORMLY SLOPED AT 1/4" PER FOOT.
9. HOT AND COLD WATER PIPES, COMPRESSED AIR AND CONDENSATE DRAIN PIPES ABOVE GROUND SHALL BE ASTM B88 TYPE "L" HARD DRAWN COPPER TUBING WITH WROUGHT COPPER FITTINGS. CONDENSATE DRAIN PIPES SHALL BE UNIFORMLY SLOPED AT 1/4" PER FOOT.
10. COLD WATER PIPES BELOW GROUND SHALL BE ASTM B88 TYPE "K" HARD DRAWN COPPER TUBING FACTORY INSULATED WITH WROUGHT COPPER FITTINGS.
11. PROVIDE DIELECTRIC FITTINGS FOR DISSIMILAR METALS IN CONTACT.
12. PROVIDE HANGERS AND SUPPORTS FOR PIPING IN ACCORDANCE WITH THE RECOMMENDATIONS OF MSS SP-69-2002.
13. PROVIDE VALVES AT THE FOLLOWING LOCATIONS:
    A. WATER MAIN SHUT-OFF VALVE IN VALVE BOX.
    B. VALVE WITH HOSE CONNECTION ON DOWNSTREAM SIDE OF THE MAIN SHUT-OFF VALVE.
    C. SHUT-OFF VALVE ON EACH SUPPLY TO EACH FIXTURE AND EQUIPMENT ITEM NOT PROVIDED WITH CONTROL STOP OR OTHER AUXILIARY SHUT-OFF VALVE. INSTALL SHUT-OFF VALVES SO THAT STEMS EITHER ARE VERTICAL WITH HANDWHEELS OR OPERATORS ON TOP OR ARE HORIZONTAL AND SO THAT VALVES ARE EASILY ACCESSIBLE FOR OPERATION, SERVICE, REMOVAL AND REPLACEMENT.
14. PROVIDE SLEEVES FOR ALL PIPE AND TUBING PASSING THROUGH FLOORS, ROOFS, AND WALLS. PACK CAULK INTO THE SPACE AROUND THE PIPE OR TUBING. PROVIDE FLASHING FOR ALL PIPES EXTENDING THROUGH THE ROOF.
15. ALL VENT TERMINATIONS AT ROOF SHALL BE AT LEAST 10 FEET AWAY FROM OUTSIDE AIR INTAKES, OPERABLE WINDOWS, AND THE LIKE.
16. FILL CRACKS BETWEEN FIXTURES AND WALL/FLOORS WITH SILICONE RUBBER SEALANT.
17. LOCATE, SIZE, AND INSTALL WATER HAMMER ARRESTERS IN ACCORDANCE WITH PLUMBING AND DRAINAGE INSTITUTE STANDARD NO. WH-201.
18. INSTALL FIXTURES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ALL APPLICABLE CODES. SECURE FLOOR OUTLET OF FLOOR-MOUNTED FIXTURES TO DRAINAGE CONNECTIONS AND FLOOR IN A RIGID MANNER. RIGIDLY SUPPORT WALL-HUNG FIXTURES BY MEANS OF METAL SUPPORTING MEMBERS. USE CHROMIUM-PLATED BRASS BOLTS, NUTS, AND WASHERS WHERE EXPOSED. ALL CONNECTIONS SHALL BE MADE GAS-TIGHT AND WATER-TIGHT. USE OF PUTTY AND PLASTICS FOR GASKETS WILL NOT BE PERMITTED.
19. PROVIDE ALL FIXTURE COMPONENTS AS INDICATED ON DRAWINGS. PROVIDE ADDITIONAL COMPONENTS AS PER MANUFACTURER'S RECOMMENDATIONS FOR PROPER OPERATION OF THE FIXTURES.

PLUMBING GENERAL NOTES CONT:

20. PROVIDE EACH PLUMBING FIXTURE (INCLUDING HOSE BIBBS) WITH AN INDIVIDUAL STOP OR COMPRESSION VALVE OF POLISHED CHROME-PLATED LOOSE KEY TYPE.
21. WHERE DEPTHS OR INVERTS ELEVATIONS ARE NOT INDICATED, PROVIDE MINIMUM COVERAGE (ABOVE TOP OF PIPES) AS FOLLOWS:
    A. DUE TO THE ELEVATION OF THE PRIMARY SITE SEWER LINE ON THE SOUTH SIDE OF THE BUILDING HOLD SEWER LINE CLOSE TO THE UNDERSIDE OF THE SLAB AS POSSIBLE.
    B. EXCAVATE TO UNDISTURBED EARTH: CUT LEVEL AND FORM TRUE. REMOVE DEBRIS, RUBBISH AND SOFT MATERIAL (SUCH AS MUD). WHERE ROCK IS ENCOUNTERED, UNDERCUT TRENCHES 6-INCHES AND FILL WITH WELL TAMPED NEUTRAL SAND AND PEA GRAVEL TO PROPER PIPE ELEVATION. DURING EXCAVATION FREE OF STANDING WATER. UNDERCUT TRENCH 6-INCHES AND INSTALL PIPING IN A 6-INCH NEUTRAL SAND ENVELOPE.
22. BACKFILL TO A POINT 12-INCHES ABOVE TOP OF PIPING WITH EARTH (EXCAVATED MATERIAL MAY BE USED) FREE OF CLAY, DEBRIS, RUBBISH, ROCKS, OR CLODS OVER 4-INCHES IN THE GREATEST DIMENSION. BACKFILL ABOVE 12-INCHES FROM TOP OF PIPING MAY BE WITH EXCAVATED MATERIAL. APPLY BACKFILL BY HAND IN 6-INCH DEEP LAYERS THE FULL WIDTH OF THE TRENCH. MOISTEN EACH LAYER (DO NOT FLOOD OR PUDDLE), AND HAND TAMP TO A MINIMUM 90 PERCENT COMPACTION BEFORE PROCEEDING WITH THE NEXT LAYER OF BACKFILL.
23. DO NOT EXCAVATE UNDER FOUNDATIONS OR FOOTINGS EXCEPT IN MANNER PERMITTED BY THE ARCHITECT. DO NOT BACKFILL UNTIL INSTALLED PIPING HAS BEEN SUCCESSFULLY TESTED.
24. ALL GAS PIPING ABOVE GROUND SHALL BE "BLACK" STEEL. ALL FITTINGS SHALL BE AS PER CPC. ALL EXPOSED GAS PIPE SHALL BE GALVANIZED STEEL AND SHALL BE PAINTED. ALL GAS CONNECTIONS TO GAS APPLIANCES AND EQUIPMENT SHALL BE MADE USING METAL FLEXIBLE CONNECTOR, AND SHUT OFF VALVE OR COCK APPROVED FOR USE WITH GAS.
25. ALL EXTERIOR GAS PIPING BELOW GROUND SHALL BE APPROVED PE TYPE. ALL FITTINGS SHALL BE AS PER CPC.
26. VERIFICATION OF WATER AGENCY APPROVAL SHALL BE SUBMITTED TO THE BUILDING AND SAFETY DIVISION PRIOR TO ISSUANCE OF A PLUMBING PERMIT FOR THIS PROJECT.
27. ALL PENETRATIONS THRU FIRE RATED ASSEMBLIES SHALL BE PACKED WITH APPROVED FIRE PROOFING. FOR LOCATIONS OF FIRE RATED ASSEMBLIES, SEE ARCHITECTURAL PLANS.
28. ROUTE ALL PIPES AS HIGH AS POSSIBLE IN EXPOSED LOCATIONS. COORDINATE ROUTING WITH ALL OTHER TRADES PRIOR TO START OF WORK.

APPLICABLE CODES

- 2021 SOUTH CAROLINA BUILDING CODE OR THE 2021 INTERNATIONAL BUILDING CODE WITH SC MODIFICATIONS
- 2021 SOUTH CAROLINA RESIDENTIAL CODE OR THE 2021 INTERNATIONAL RESIDENTIAL CODE WITH SC MODIFICATIONS
- 2021 SOUTH CAROLINA FIRE CODE OR THE 2021 INTERNATIONAL FIRE CODE WITH SC MODIFICATIONS
- 2021 SOUTH CAROLINA PLUMBING CODE OR THE 2021 INTERNATIONAL PLUMBING CODE WITH SC MODIFICATIONS 2021
- SOUTH CAROLINA MECHANICAL CODE OR THE 2021 INTERNATIONAL MECHANICAL CODE WITH SC MODIFICATIONS 2021
- SOUTH CAROLINA FUEL GAS CODE OR THE 2021 INTERNATIONAL FUEL GAS CODE WITH SC MODIFICATIONS
- 2020 NATIONAL ELECTRICAL CODE (NFPA 70) WITH SC MODIFICATIONS
- 2009 INTERNATIONAL ENERGY CONSERVATION CODE (ENERGY STANDARD ACT)
- ANSI A117-1 2017 FOR ADA CODE
- SHAW AFB IFS 2019

PLUMBING MANDATORY MEASURES

1. ALL PLUMBING SYSTEM COMPONENTS SHALL MEET OR EXCEED THE REQUIREMENTS ASTM, ANSI, AND ALL APPLICABLE CODE REQUIREMENTS.
2. ALL PIPING EXPOSED TO WEATHER SHALL BE METALLIC.
3. ALL FERROUS PIPING EXPOSED TO WEATHER SHALL BE GALVANIZED.
4. ALL PIPES, FITTINGS AND FIXTURES USED TO CONVEY POTABLE WATER SHALL BE LEAD FREE IN COMPLIANCE WITH IPC
5. ALL INSULATING MATERIALS INSTALLED PER IECC.
6. ALL INSULATION INSTALLED SHALL MEET THE FLAME SPREAD AND SMOKE DENSITY REQUIREMENTS OF IBC.
7. ALL FIXTURES REQUIRED TO BE ACCESSIBLE SHALL BE INSTALLED AS PER ARCHITECTURAL BARRIERS ACT OF 1968. (ABA)
8. CROSS CONNECTION PROTECTION SHALL BE PROVIDED AT ALL POTABLE WATER SUPPLIED APPLIANCES AND EQUIPMENT (OTHER THAN THOSE LISTED IN INFORMATION BULLETIN 103).
9. A WATER HEATER PRESSURE AND TEMPERATURE RELIEF DRAIN THAT TERMINATES OUTSIDE THE BUILDING SHALL COMPLY WITH IPC FOR TERMINATION LOCATION.
10. WATER HEATER SHALL BE ANCHORED OR STRAPPED TO RESIST HORIZONTAL DISPLACEMENT DUE TO SEISMIC MOTION PER IBC.
11. WATER HEATER SHALL COMPLY WITH IPC, FOR THERMAL EXPANSION REQUIREMENTS.
12. LAVATORY FAUCETS IN PUBLIC RESTROOM SHALL BE SELF CLOSING TYPE.
13. TUB AND SHOWER COMBINATIONS SHALL BE PROVIDED WITH MIXING VALVES PER IPC.

REGISTERED PROFESSIONAL ENGINEER
DEBRA COLEMAN
No. M29230
Exp. 3/31/25
MECHANICAL
STATE OF CALIFORNIA

DEBRA COLEMAN
T:_2021\21197 SHAW AIR FORCE BASE SC DINING-FACILITY\PLBG\21197_P001.DWG
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MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO: 20214047Z400
DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: AS NOTED
ANSI D

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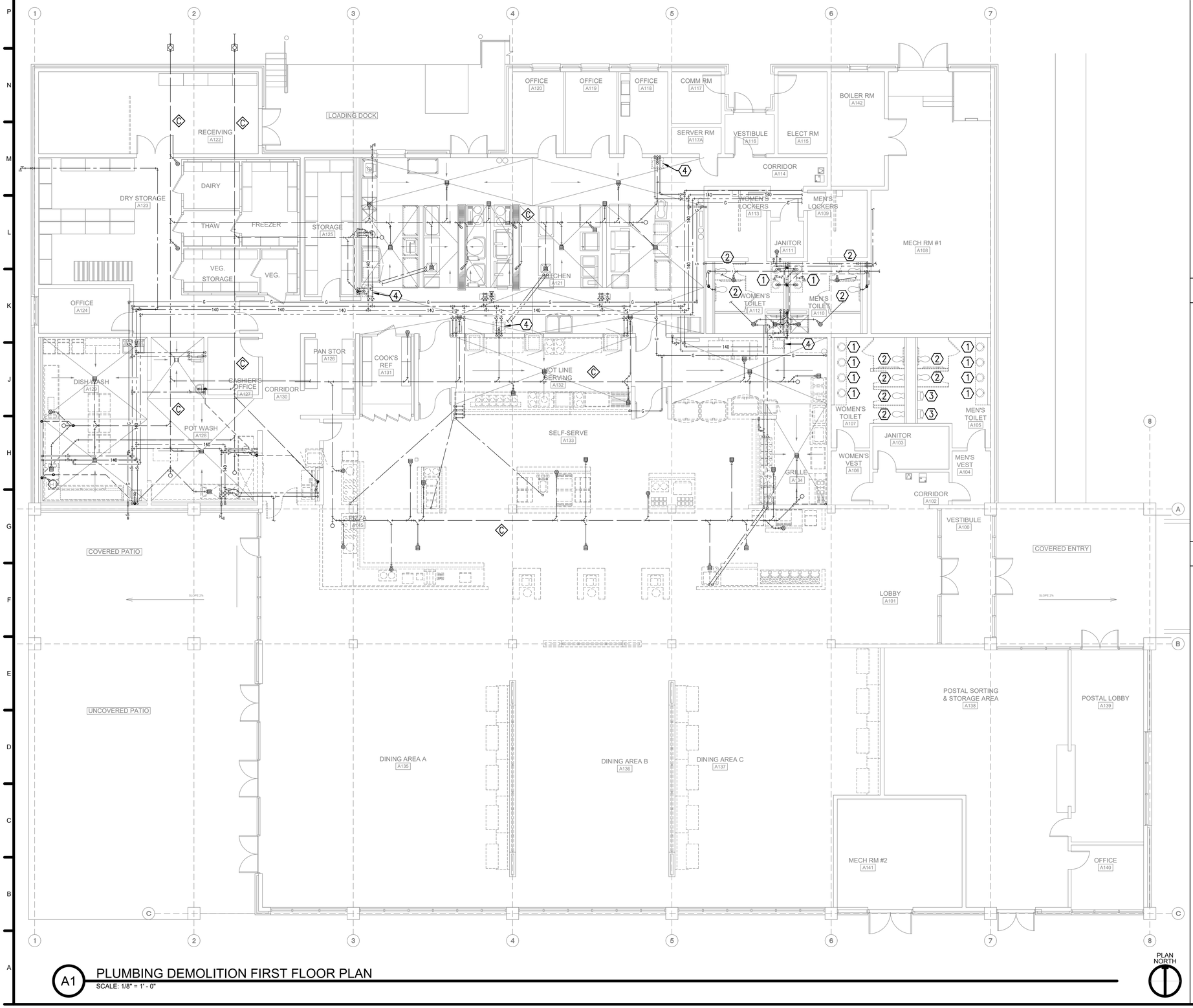
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

PLUMBING LEGEND AND GENERAL NOTES

GENERAL

P001



A1 PLUMBING DEMOLITION FIRST FLOOR PLAN
SCALE: 1/8" = 1' - 0"

KEY NOTES

1 EXISTING LAVATORY, FAUCET, PIPING AND ACCESSORIES TO BE REMOVED AND REPLACE WITH NEW. PLUG OR CAP EXISTING PIPING AT ACTIVE BRANCH PIPING.

2 EXISTING WATER CLOSET, PIPING AND ACCESSORIES EXISTING TO REMAIN.

3 EXISTING URINAL, PIPING AND ACCESSORIES EXISTING TO REMAIN.

4 EXISTING SINK, FAUCET, PIPING AND ACCESSORIES TO BE REMOVED AND REPLACE WITH NEW. PLUG OR CAP EXISTING PIPING AT ACTIVE BRANCH PIPING. REFER TO FOOD SERVICE DRAWINGS FOR FIXTURE AND FAUCET SPECIFICATION.

GENERAL NOTES

A. CONTRACTOR SHALL COORDINATE ALL DEMOLITION AND DISPOSAL WITH ARCHITECT AND OWNERS REPRESENTATIVE PRIOR TO START OF WORK.

B. ALL FIXTURES, EQUIPMENT, AND PIPING TO REMAIN OR TO BE RELOCATED AND REUSED SHALL BE CLEANED AND REPAIRED TO ORIGINAL WORKING CONDITION.

C. REMOVED EXISTING FLOOR SINK/DRAIN, WATER AND GAS PIPING NOT USED. CAP OR PLUG EXISTING PIPING AT MAIN OR ACTIVE BRANCH PIPING.

ADD/ALTERNATES

C. ALTERNATIVE PRICE TO PROVIDE INSPECTION INCLUDING CAMERA SURVEY OF EXISTING DRAIN SYSTEM TO DETERMINE COST TO FIX AS CHANGE ORDER. DEFAULT PRICE IS TO MAKE DRAIN LINE CHANGES NIC.

REGISTERED PROFESSIONAL ENGINEER
No. M29230
Exp. 3/31/25
MECHANICAL
STATE OF CALIFORNIA

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1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024

DESIGNED BY: SOBE
DRAWN BY: SOBE
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SUBMITTED BY: SOBE
SCALE: AS NOTED ANSI D

PROJECT NO.: 20214047774.00

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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

PLUMBING DEMOLITION FIRST FLOOR PLAN

PLUMBING

PD101

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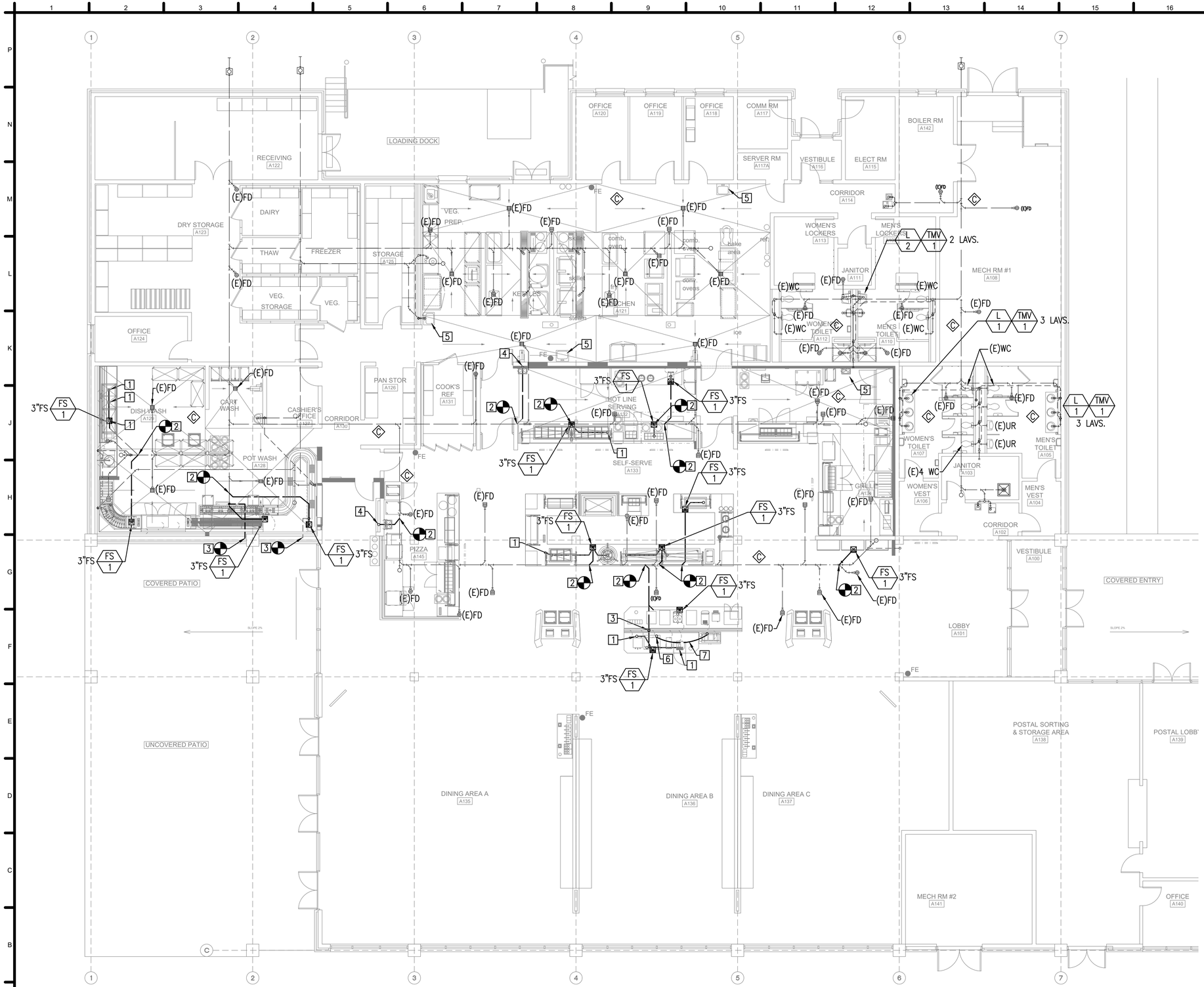

KEY NOTES

1. INDIRECT WASTE ROUTED TO FLOOR SINK TYPICAL.
2. NEW CONNECTION TO EXISTING SEWER BELOW FLOOR.
3. 1–1/2" VENT UP FROM BELOW FLOOR AND CONNECT TO EXISTING VENT ABOVE CEILING.
4. 2" SEWER DOWN TO BELOW FLOOR AND RE–CONNECT TO EXISTING SEWER BELOW FLOOR. 1–1/2" VENT UP TO ABOVE CEILING AND RE–CONNECT TO EXISTING VENT ABOVE CEILING. CONTRACTOR TO FIELD VERIFY EXACT LOCATION AND PIPE SIZING.
5. NEW SINK AND FAUCET TO REPLACE EXISTING. REFER TO FOOD SERVICE DRAWINGS FOR SINK AND FAUCET SPECIFICATIONS.
6. 6" SODA CONDUIT STUB–UP +8".
7. 6" SODA CONDUIT RUN TO RUN UNDERGROUND FROM BAG–N–BOX ROOM TO BEVERAGE COUNTER.

GENERAL NOTES

A. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL PIPING AND UTILITIES PRIOR TO START OF WORK. IN THE EVENT OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

B. ALL PIPING LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND OWNER'S REPRESENTATIVE AND VERIFY EXACT ROUTING PRIOR TO START OF WORK.

C. VERIFY EXACT SIZE AND LOCATION OF ALL PLUMBING CONNECTIONS TO MECHANICAL EQUIPMENT PRIOR TO START OF WORK. IN NO CASE SHALL BRANCH SIZE BE SMALLER THAN CONNECTION SIZE.

D. INSTALL TRAP PRIMER FOR FLOOR DRAIN/FLOOR SINKS NOT RECEIVING CONSTANT WATER DISCHARGE. FOR TRAP PRIMER DETAIL REFER TO D17/P501.

E. REPLACE ANY FLOOR SINK/DRAIN AND GRATE THAT ARE DAMAGED.

F. REMOVE EXISTING FLOOR SINK/DRAIN THAT ARE NOT REQUIRED. CAP OR PLUG EXISTING PIPING AT ACTIVE BRANCH PIPING.

ADD/ALTERNATES

C. ALTERNATIVE PRICE TO PROVIDE INSPECTION INCLUDING CAMERA SURVEY OF EXISTING DRAIN SYSTEM TO DETERMINE COST TO FIX AS CHANGE ORDER. DEFAULT PRICE IS TO MAKE DRAIN LINE CHANGES NIC.

PLAN NORTH

A1 PLUMBING ENLARGED FIRST FLOOR PLAN - SEWER & VENT
SCALE: 1/8" = 1' - 0"

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	03/2024
		4/03/2024

DESIGNED BY: SOBE
DRAWN BY: SOBE
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SCALE: AS NOTED
ANSI D

ISSUE DATE: 4/03/2024

PROJECT NO.: 20214047740

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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

PLUMBING ENLARGED FIRST FLOOR PLAN - SEWER & VENT

REGISTERED PROFESSIONAL ENGINEER
No. M29230
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MECHANICAL
STATE OF CALIFORNIA

PLUMBING

P401

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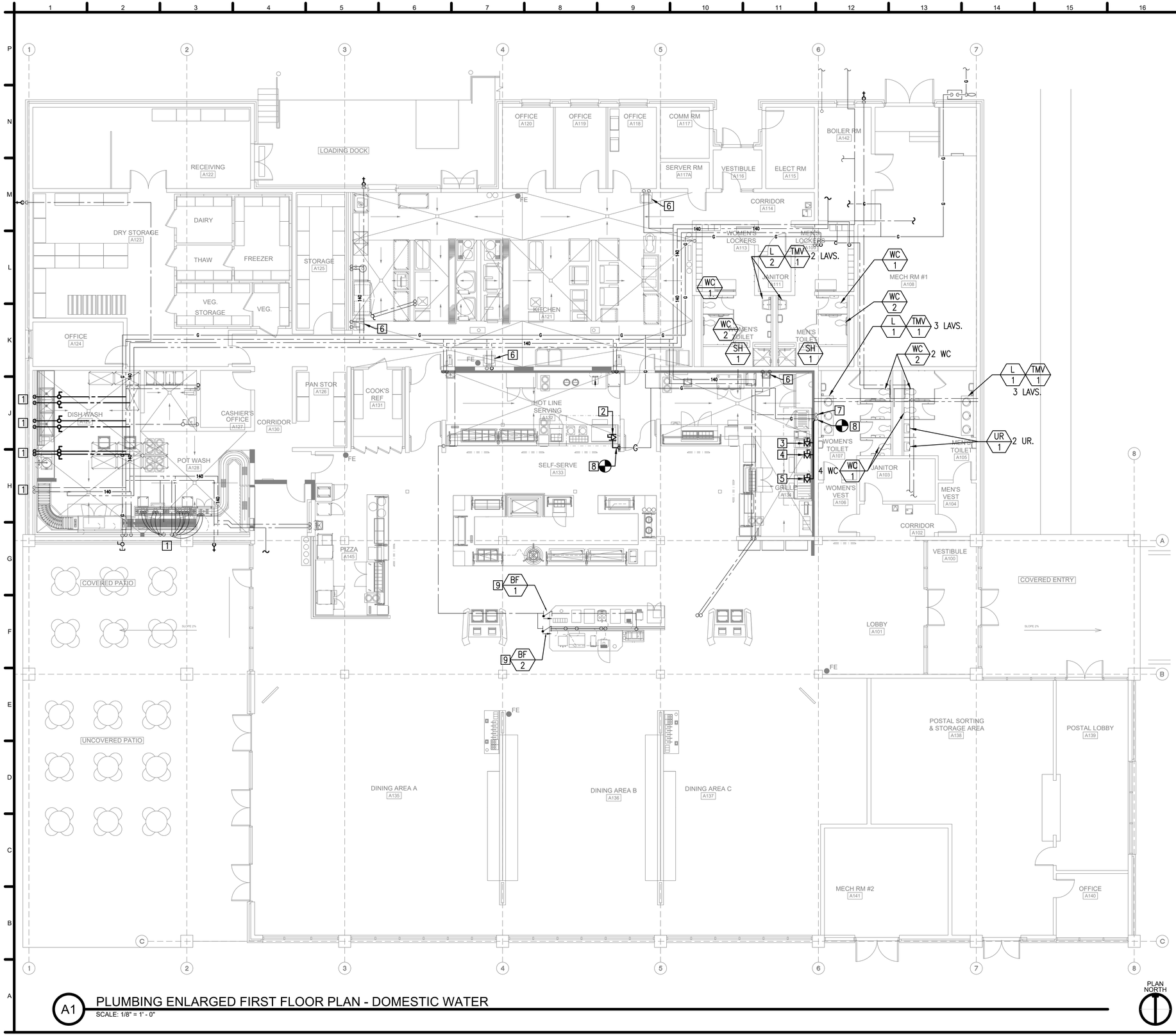
DEBRA COLEMAN
1:32:18 PM 4/2/2024



KEY NOTES

1. 3/4" HOT AND COLD WATER DOWN TO FIXTURE. PROVIDE SHUT-OFF VALVES ON WATER SUPPLY LINE.
2. 3/4" GAS 120 CFH. PROVIDE QUICK DISCONNECT GAS HOSE AND RESTRAINT CABLES.
3. 1/2" GAS 120 CFH. PROVIDE QUICK DISCONNECT GAS HOSE AND RESTRAINT CABLES.
4. 3/4" GAS 120 CFH. PROVIDE QUICK DISCONNECT GAS HOSE AND RESTRAINT CABLES.
5. 3/4" GAS 72 CFH. PROVIDE QUICK DISCONNECT GAS HOSE AND RESTRAINT CABLES.
6. NEW SINK AND FAUCET TO REPLACE EXISTING. REFER TO FOOD SERVICE DRAWINGS FOR SINK AND FAUCET SPECIFICATIONS.
7. 1/2" CW DOWN.
8. ANSUL VALVE INSTALLED PRIOR TO HOOD, CONTRACTOR TO COORDINATE WITH FIRE PROTECTION.
9. NEW 1/2" BACKFLOW PREVENTER ON COLD WATER SUPPLY LINE. PROVIDE DI-ELECTRIC UNIONS AT JOINTS BETWEEN DISSIMILAR METALS.

GENERAL NOTES

A. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL PIPING AND UTILITIES PRIOR TO START OF WORK. IN THE EVENT OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

B. ALL PIPING LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND OWNER'S REPRESENTATIVE AND VERIFY EXACT ROUTING PRIOR TO START OF WORK.

C. VERIFY EXACT SIZE AND LOCATION OF ALL PLUMBING CONNECTIONS TO MECHANICAL EQUIPMENT PRIOR TO START OF WORK. IN NO CASE SHALL BRANCH SIZE BE SMALLER THAN CONNECTION SIZE.

D. PLUMBING CONTRACTOR TO PROVIDE THE FOLLOWING ITEMS AS REQUIRED:

1. GATE VALVES ON ALL WATER AND GAS LINES; WADE SHOCK STOPS ON GLASS FILLERS AND DISH WASHERS.

2. ALL VALVES, TRIMS AND PRESSURE REGULATORS NECESSARY TO CONNECT TO THE EQUIPMENT.

3. TEMPERATURE AND PRESSURE SAFETY RELEASE VALVES FOR BOOSTER HEATER AND STEAM TABLE.

4. APPROVED BACKFLOW PREVENTION DEVICES FOR ALL BEVERAGE EQUIPMENT, AND ALL OTHER EQUIPMENT REQUIRING BACKFLOW PREVENTION DEVICE.

5. DIALECTIC COUPLERS WHEN CONNECTING GALVANIZED IRON PIPE TO COPPER.

ADD/ALTERNATES

C. ALTERNATIVE PRICE TO PROVIDE INSPECTION INCLUDING CAMERA SURVEY OF EXISTING DRAIN SYSTEM TO DETERMINE COST TO FIX AS CHANGE ORDER. DEFAULT PRICE IS TO MAKE DRAIN LINE CHANGES NIC.

A1 PLUMBING ENLARGED FIRST FLOOR PLAN - DOMESTIC WATER
SCALE: 1/8" = 1' - 0"

REGISTERED PROFESSIONAL ENGINEER
No. M29230
Exp. 3/31/25
MECHANICAL
STATE OF CALIFORNIA

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (FAR) SUBMITTAL	03/2024
		04/2024

DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 20214047700

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

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15115 PARK ROW
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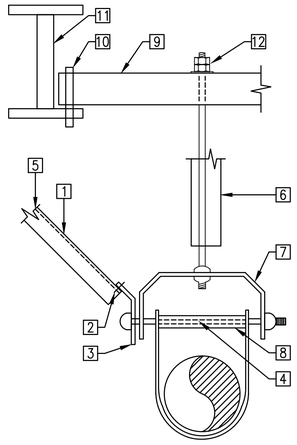
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

PLUMBING ENLARGED FIRST FLOOR PLAN - DOMESTIC WATER AND GAS

PLUMBING

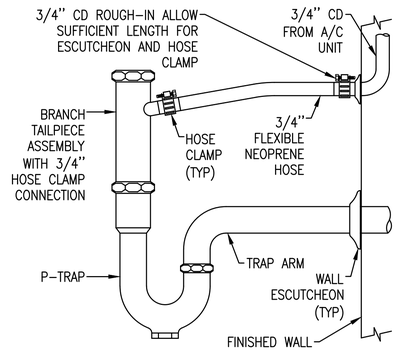
P402

DEBRA.COLEMAN
T:_2021\21197 SHAW AIR FORCE BASE SC DINING FACILITY\P\LBG\21197_P402.DWG
1:32:25 PM 4/2/2024



1. STRUT CHANNEL BRACE TO STRUCTURAL SUPPORT. SPACE SEISMIC RESTRAINT PER SMACNA REQUIREMENTS.
2. NOT USED.
3. 12 GA. CLIP
4. 1/2" ANCHOR BOLT
5. ATTACH TO ROOF OR TRUSS.
6. BRACE HANGER RODS OVER 3'-0" LONG WITH 2"x2"x3/16" VERTICAL ANGLE BRACE WELD 1" AT 24" SPACING
7. ADJUSTABLE CLEVIS HANGER
8. PIPE SLEEVE OVER BOLT
9. UNISTRUT
10. ATTACHMENT TO TRUSS PER STRUCTURAL
11. STRUCTURAL TRUSS
12. ALLTHREAD WITH WASHER AND DOUBLE NUT

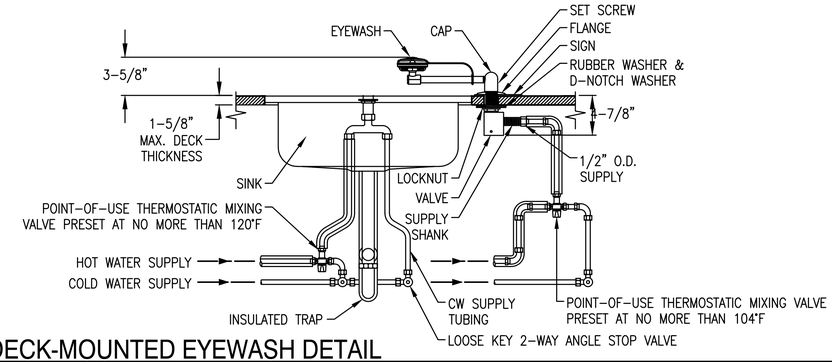
H1 PIPE ANCHOR DETAIL (HUNG FROM SLAB)
NOT TO SCALE



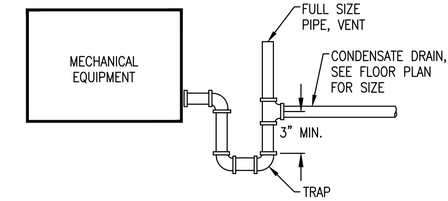
L9 P-TRAP DETAIL
NOT TO SCALE

L13 NOT USED
NOT TO SCALE

L17 NOT USED
NOT TO SCALE

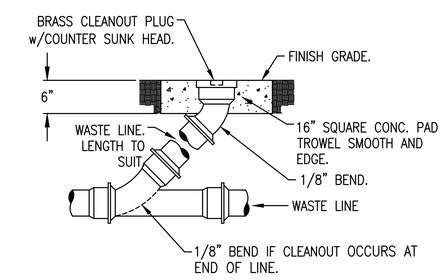


H9 DECK-MOUNTED EYEWASH DETAIL
NOT TO SCALE

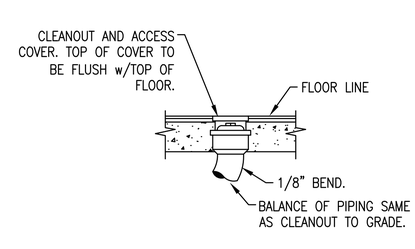


NOTE: CONTRACTOR SHALL VERIFY EXACT SIZE AND LOCATION OF ALL PLUMBING CONNECTIONS INTO MECHANICAL UNITS PRIOR TO START OF WORK. BRANCH PIPE SIZE SHALL NOT BE LESS THAN THE CONNECTION SIZE.

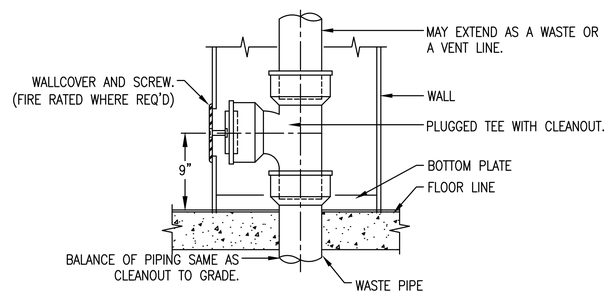
H17 CONDENSATE DRAIN TRAP DETAIL
NOT TO SCALE



CLEANOUT TO GRADE (COTG)

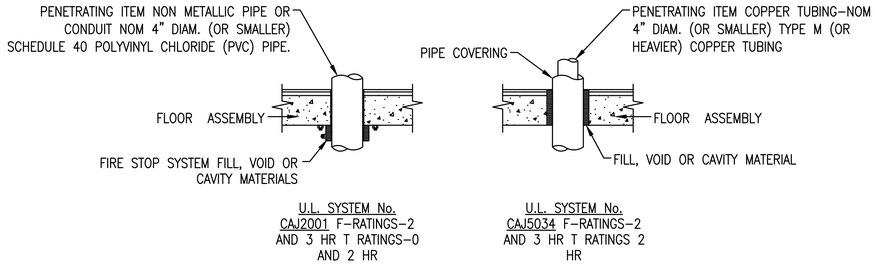


FLOOR CLEANOUT (FCO)



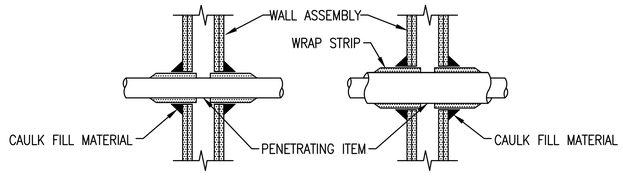
WALL CLEANOUT (WCO)

A1 CLEANOUT DETAILS
NOT TO SCALE



U.L. SYSTEM No. CAJ2001 F-RATINGS-2 AND 3 HR T RATINGS-0 AND 2 HR

U.L. SYSTEM No. CAJ5034 F-RATINGS-2 AND 3 HR T RATINGS 2 HR

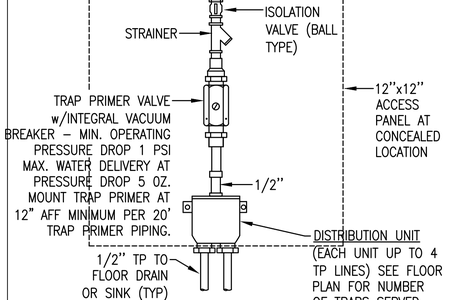


U.L. SYSTEM No. WL1001

U.L. SYSTEM No. WL5001

NOTE: PENETRATIONS OF PIPES, CONDUITS, ETC., IN WALLS, FLOORS OR CEILING ASSEMBLIES REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. FIRE STOP MATERIAL SHALL BE A TESTED ASSEMBLY AS PRESCRIBED IN U.B.C. STANDARD 43-1 AND AS APPROVED BT THE STATE FIRE MARSHALL (C.B.C. 4304(E), 4305(A))

A9 PIPE PENETRATION DETAIL
NOT TO SCALE



D17 TRAP PRIMER DETAIL
NOT TO SCALE

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO: 20214047740

DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: AS NOTED ANSI D

U.S. AIR FORCE SERVICES CENTER
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SALAS O'BRIEN
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SUITE 125
HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

PLUMBING DETAILS

PLUMBING
P501

T:_2021\21197 SHAW AIR FORCE BASE SC DINING FACILITY\PLBG\21197_P501.DWG
DEBRA.COLEMAN
1:32:29 PM 4/2/2024

PLUMBING PIPE MATERIAL SCHEDULE

SERVICE	LOCATION	PIPE MATERIAL	SLOPE
WATER	ABOVE GRADE	ASTM B88 TYPE "L" HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS.	1/32" PER 1'
	BELOW GRADE	ASTM B88 TYPE "K" HARD DRAWN COPPER, FACTORY INSULATED, WITH WROUGHT COPPER FITTINGS.	1/32" PER 1'
SEWER AND VENT	ABOVE GRADE	ASTM A888 SERVICE WEIGHT CAST IRON PIPE AND DWV FITTINGS SHALL CONFORM TO CPC AND BEAR THE COLLECTIVE TRADEMARK OF CISPI AND NSF.	1/4" PER 1'
	BELOW GRADE	ABS SCHEDULE 40 PIPE AND DWV FITTINGS SHALL CONFORM TO ASTM D2321–2000 AND CPC.	1/4" PER 1'
NATURAL GAS	ABOVE GRADE	ASTM A53 SCHEDULE 40 GALVANIZED STEEL "BLACK" PIPE AND FITTINGS SHALL CONFORM TO CPC. EXPOSED PIPING SHALL BE PAINTED.	1/4" PER 15'
	BELOW FLOOR (INTERIOR)	ASTM A53 SCHEDULE 40 GALVANIZED STEEL "BLACK" PIPE AND FITTINGS SHALL CONFORM TO CPC. PIPING INSTALLED UNDERGROUND BENEATH BUILDING SHALL CONFORM TO CPC 1210.1.6.	1/4" PER 15'
	BELOW GRADE (EXTERIOR)	ASTM D2513–16a POLYETHYLENE "PE" PIPE. ALL FITTINGS SHALL BE AS PER CPC.	1/4" PER 15'
CONDENSATE	ABOVE GRADE	ASTM B88 TYPE "L" HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS.	1/4" PER 1'

WATER CALCULATIONS

DOMESTIC COLD WATER PRESSURE CALCULATION
(AVG PSI / 100 FT)

RESIDUAL PRESSURE

PER CONVERSATION WITH [CONTACT] AT [DISTRICT],. AVAILABLE WATER PRESSURE IS [HI–LO] PSI. CONTRACTOR TO FIELD VERIFY STREET WATER PRESSURE PRIOR TO START OF WORK. IN CASE OF ANY DISCREPANCIES NOTIFY ARCHITECT/ENGINEER PRIOR TO START OF WORK.

MAX. SYSTEM INLET PRESSURE [AT WATER METER INLET]	=	--	PSI
MIN. SYSTEM INLET PRESSURE [AT PRESSURE REDUCING VALVE INLET]	=	--	PSI
SYSTEM PRESSURE LOSSES			
WATER METER @ -- GPM (EXISTING)	=	2	PSI
BACKFLOW PREVENTER @ -- GPM (EXISTING)	=	13	PSI
PRESSURE REDUCING VALVE @ -- GPM	=	5	PSI
TOTAL OF SYSTEM PRESSURE LOSSES		20.0	PSI
RESIDUAL PRESSURE AT PRV		##	
PRESSURE REDUCING VALVE SETPOINT	=	40	PSI
STATIC HEIGHT PRESSURE LOSS (15' x .433)	=	6.5	PSI
RESIDUAL PRESSURE REQUIRED AT GOVERNING FIXTURE [WATER CLOSET 25 PSI]	=	25	PSI
TOTAL SYSTEM PRESSURE LOSSES (DOWNSTREAM OF PRV)	=	31.5	PSI
PRESSURE AVAILABLE FOR PIPE SIZING			
(PRV SETPOINT – TOTAL SYSTEM PRESSURE LOSSES DOWNSTREAM OF PRV)	=	8.5	PSI
ACTUAL LENGTH OF SYSTEM	=	165	FT
DEVELOPED LENGTH OF SYSTEM (165' X 1.5)	=	248	FT
AVERAGE PRESSURE DROP			
(PRESSURE AVAILABLE FOR PIPE SIZING) X 100 FT / (DEVELOPED LENGTH OF SYSTEM)	(8.5PSI	x100	/ 248)
	=	3.4	PSI/100 FT AVG
SUMMARY			
PIPE SIZING BASED UPON 3.4 PSI LOSS PER 100' AVG			

DOMESTIC COLD WATER SIZING

FRICTION LOSS 3.4 PSI PER 100 FT AVG, AT 8 FPS MAX. VELOCITY

PIPE SIZE	WSFU		GPM	FPS
	FLUSH TANK	FLUSH VALVE		
1/2"	1	–	2	2.6
3/4"	6	–	5	3.4
1"	15	–	11	4.1
1–1/4"	28	–	19	4.8
1–1/2"	54	13	30	5.4
2"	195	88	64	6.6
2–1/2"	455	329	115	7.7
3"	748	700	170	8.0

DOMESTIC HOT WATER SIZING

FRICTION LOSS 3.4 PSI PER 100 FT AVG, AT 5 FPS MAX. VELOCITY

PIPE SIZE	WSFU		GPM	FPS
	FLUSH TANK	FLUSH VALVE		
1/2"	1	–	2	2.6
3/4"	6	–	5	3.4
1"	15	–	11	4.1
1–1/4"	28	–	19	4.8
1–1/2"	49	–	28	5.0
2"	119	–	48	5.0

PLUMBING EQUIPMENT SCHEDULE

TAG	EQUIPMENT	LOCATION	MANUFACTURER	MODEL	REMARKS
TP 1	TRAP PRIMER	VARIES	PPP	P–2–500	PRESSURE DROP ACTIVATED, BRASS CONSTRUCTION. PROVIDE WITH APPROVED ACCESS PANEL. SEE DETAIL 3/P5.1.
WHA 1	WATER HAMMER ARRESTOR	VARIES	PPP	SC SERIES	PISTON OPERATED WITH HARD DRAWN, SEAMLESS TYPE "K" COPPER BODY. PROVIDE WITH APPROVED ACCESS PANEL. INSTALL PER MANUFACTURES RECOMMENDATIONS. SEE DETAIL 8/P5.1.

FIXTURE DATA

SYMBOL	DESCRIPTION	DOMESTIC WATER				SEWER		
		NO. OF UNITS	F.U. PER UNIT (1)	TOTAL FIXTURE UNITS CW	TOTAL FIXTURE UNITS HW	NO. OF UNITS	F.U. PER UNIT (2)	TOTAL FIXTURE UNITS
DW 1	DISHWASHER	1	1.5	1.5	1.1	1	2.0	2.0
BS 1	LAVATORY	10	1.0	10.0	7.5	10	1.0	10.0
KS 1	KITCHEN SINK	9	1.5	13.5	10.1	9	2.0	18.0
MS 1	SERVICE/MOP BASIN SINK	2	3.0	6.0	4.5	2	3.0	6.0
FD 1	FLOOR DRAIN	53	--	--	--	53	0.0	0.0
FS 1	FLOOR SINK	13	2	--	--	13	2.0	26.0
	TOTAL			31.0	23.3			62.0
	GREASE INTERCEPTOR TOTAL							0.0

(1) WATER FIXTURE UNITS PER CPC TABLE A 103.1 (3) FIXTURE UNITS TO GREASE INTERCEPTOR
(2) SEWER FIXTURE UNITS PER CPC TABLE 702.1

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	MIN. PIPE SIZE CW	HW	V	S	REMARKS
WC 1	WATER CLOSET (FLUSH VALVE) WALL MT'D	1–1/2"	--	2"	4"	BOWL: AMERICAN STANDARD 'AFWALL'. #3353.101, 1.1–1.6GPF, VITREOUS CHINA, ELONGATED BOWL. SEE ARCHITECTURAL PLANS 03,05/A10.10 FOR MOUNTING HEIGHT. FLUSH VALVE: ELECTRONIC FLUSHOMETER, AC POWER, 1.28 GPF. SEAT: AMERICAN STANDARD OPEN FRONT, LESS COVER. CHECK HINGE. PROVIDE ABS CLOSET RING.
WC 2	WATER CLOSET (FLUSH VALVE) WALL MT'D [ADA]	1–1/2"	--	2"	4"	BOWL, FLUSH VALVE, AND SEAT, SAME AS WC–1 MOUNTED AT ADA HEIGHT, WITH ACTUATOR LOCATED IN ACCORDANCE WITH ADA GUIDELINES. SEE ARCHITECTURAL PLANS FOR MOUNTAIN HEIGHT.
L 1	LAVATORY (UNDERMOUNT)	3/4"	3/4"	1–1/2"	2"	FIXTURE: KOHLER "BRYANT OVAL" #K–2699–4. VITREOUS CHINA, OVERFLOW. FAUCET: FAUCET: ZURN Z6913–XL–ACA ELECTRONIC FAUCET, AC POWER. ZURN #Z1231 CONCEALED ARM CARRIER AND PLUMBEREX "HANDY–SHIELD MAXX" P–TRAP COVER. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT. INSTALL ASSE 1017 MIXING VALVE SET AT 105° MAX. MOUNT AT ADA HEIGHT.
L 2	LAVATORY(WALL HUNG,ADA)	3/4"	3/4"	1–1/2"	2"	FIXTURE: KOHLER "GREENWICH" #K–2031. VITREOUS CHINA, OVERFLOW. FAUCET: FAUCET: ZURN Z6913–XL–ACA ELECTRONIC FAUCET, AC POWER. ZURN #Z1231 CONCEALED ARM CARRIER AND PLUMBEREX "HANDY–SHIELD MAXX" P–TRAP COVER. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT. INSTALL ASSE 1017 MIXING VALVE SET AT 105° MAX. MOUNT AT ADA HEIGHT.
FD 1	FLOOR DRAIN	--	--	1–1/2"	2"	ZURN #Z415B. COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND "TYPE B" NICKEL BRONZE STRAINER WITH OPENINGS LESS THAN 1/4", AND TRAP PRIMER CONNECTION.
MS 1	MOP SINK	3/4"	3/4"	2"	3"	FIXTURE: ZURN MODEL# Z5850 ENAMELED CAST IRON 28"x28"x13"H ANGLED. FAUCET: ZURN #Z843M1–XL. WALL MOUNT, VACUUM BREAKER, TOP BRACE, PAIL HOOK. INSTALL ASSE–1017 MIXING VALVE SET AT 120° MAX.
FS 1	FLOOR SINK	–	–	2"	2"	FIXTURE: ZURN MODEL# Z–1900 12"X12", 6" DEEP WITH DOME STRAINER, COATED CAST IRON BODY, ACID RESISTANT INTERIOR. PROVIDE WITH TOP, CAST IRON P–TRAP.
TMV 1	MIXING VALVE	--	--	--	--	WATTS MODEL LFMMV, 1/2", 4.0 PSI PRESSURE DROP AT 2.0 GPM WITH RANGE TEMPERATURE OF 80°F TO 120°F, SET VALVE AT A MAXIMUM 105°F. VALVE TO BE INSTALLED AT EACH LAVATORY AND BREAKROOM SINK AND SHALL MEET ASSE STANDARD 1070. VALVE TO BE ALSO LABELED IPC CERTIFIED. VALVE SHALL BE BRONZE BODY WITH INTEGRAL CHECKSTOPS, STRAINERS AND AN ADJUSTMENT CAP WITH LOCKING FEATURE. THE VALVE SHALL BE APPROVED FOR 0.35 GPM WATERFLOW IN ACCORDANCE WITH ASSE 1016–2003.
TD 1	TRENCH DRAIN	–	–	2"	3"	"ZURN" TRENCH DRAIN, Z886–HDS WIDE REVEAL TRENCH DRAIN SYSTEM WITH STAINLESS STEEL EXTRA HEAVY DUTY FRAME ASSEMBLY, NO HUB OUTLET. PROVIDE CONCRETE ENCASEMENT AND REINFORCING.
UR 1	URINAL	3/4"	–	2"	2"	URINAL, WALL MOUNTED TOP SPUD 1.0 GPF. MANSFIELD CASCADE MODEL 410UHE WITH MANUAL FLUSH VALVE ZURN MODEL# Z6003. PROVIDE WALL HANGER.
SH 1	SHOWER (ADA)	3/4"	3/4"	1–1/2"	2"	MOEN # T8342EP15CBN, METAL CONSTRUCTION CLASSIC BRUSHED NICKEL (CBN) FINISH, 3 FUNCTION TRANSFER VALVE, COMPLETE WITH STATIONARY SHOWERHEAD, HAND–HELD SHOWER WITH NON–POSITIVE PAUSE, 69" METAL HOSE, 30" SLIDE BAR, DROP ELL, 1.5 GPM SHOWERHEAD WITH WALL FLANGE, PRESSURE BALANCING MIXING VALVE AND FLOOR DRAIN. SHOWER SPRAY SHALL DELIVER WATER THAT IS 120°F MAXIMUM. ABA COMPLIANT, WATERSENSE CERTIFIED.
BFP 1	BACKFLOW PREVENTER	1/2"	–	–	–	FIXUTURE: WATTS SS009 TESTABLE STAINLESS STEEL REDUCED PRESSURE ZONE ASSEMBLY, LEAD FREE.
BFP 2	BACKFLOW PREVENTER	1/2"	–	–	–	FIXUTURE: WATTS LFSUG–B LEAD FREE UNDER SINK GUARDIAN THERMOSTATIC MIXING VALVE, ASSE 1070

REGISTERED PROFESSIONAL ENGINEER
DEBRA COLEMAN
No. M29230
Exp. 3/31/25
MECHANICAL
STATE OF CALIFORNIA

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: ANSI D

ISSUE DATE: 4/03/2024
PROJECT NO: 20210427740

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SALAS O'BRIEN
15115 PARK ROW
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HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

PLUMBING SCHEDULES

PLUMBING
P601

T:_2021\21197 SHAW AIR FORCE BASE SC DINING FACILITY\PLBG\21197_P601.DWG
DEBRA.COLEMAN
1:32:32 PM 4/2/2024

GENERAL NOTES

1. ALL BRANCH DUCTS SHALL HAVE BALANCE DAMPERS WITH QUADRANT LOCKS.
2. ALL DUCT SIZES SHOWN ARE NET INSIDE DIMENSIONS.
3. DUCTWORK SHALL BE GALVANIZED SHEET METAL IN COMPLETE CONFORMANCE WITH I.M.C., AND SMACNA HVAC DUCT CONSTRUCTION STANDARDS. FLEXIBLE DUCTS MAY BE USED TO CONNECT INTO AIR OUTLETS AND INLETS. MAXIMUM LENGTH OF FLEXIBLE DUCTWORK SHALL BE 4'–0". FLEXIBLE DUCTS SHALL BE USED FOR MINOR OFFSETS OF 45° OR LESS ONLY PER DETAIL B3/M–501. DUCTWORK ON ROOF SHALL BE DOUBLE WALLED. ALL JOINTS AND SEAMS SHALL BE WEATHERPROOF. ALL BRACING OF DUCTS AND PIPING SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA GUIDELINES.
4. ALL FLEXIBLE DUCTS SHALL BE INSULATED. MINIMUM BEND RADIUS SHALL BE TWICE THE DUCT DIAMETER.
5. SUPPLY AND RETURN DROPS SHALL BE LINED SHEET METAL PLENUMS.
6. DUCT AND PLENUM INSULATION SHALL BE IN ACCORDANCE WITH I.E.C.C.
7. ALL SHEET METAL DUCTS SHALL BE INSULATED BY MEANS OF FOIL WRAP, 3/4 LB. DENSITY FIBERGLASS INSULATION. INSULATION SHALL BE UL LISTED. DUCT LINERS SHALL BE NON–FIBERGLASS TYPE WITH THICKNESS AS REQUIRED TO MEET SPECIFICATIONS.
8. THERMOSTATS SHALL BE LOCATED AT 4' – 0" ABOVE FINISHED FLOOR (46" MAX. IF MOUNTED OVER CASEWORK OR OTHER OBSTRUCTION) IN ACCORDANCE WITH A.D.A. REQUIREMENTS, UNLESS NOTED OTHERWISE.
9. CONDENSATE DRAIN PIPING SHALL BE COPPER TYPE "L", AND SHALL BE ROUTED TO AN APPROVED RECEPTOR.
10. PROVIDE FLEXIBLE CONNECTIONS AT THE INLET AND OUTLET OF ALL FANS.
11. COORDINATE FINAL LOCATIONS OF AIR DISTRIBUTION DEVICES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS, I.E. LIGHTS, SPEAKERS, TILES AND SPRINKLER HEADS.
12. ALL SUPPLY CEILING DIFFUSERS SHALL HAVE 4–WAY AIR FLOW DISTRIBUTION PATTERNS, UNLESS INDICATED OTHERWISE.
13. COORDINATE FINAL LOCATIONS OF THERMOSTATS WITH ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. FIELD COORDINATE LOCATIONS WITH OTHER TRADES INCLUDING ELECTRICAL, TELEPHONE, ETC.
14. FIRE/SMOKE DAMPERS SHALL BE INSTALLED ON ALL DUCTWORK PASSING THROUGH FIRE SEPARATING WALLS, AND SHALL BE INSTALLED AS PER UFC, IMC, IBC AND N.F.P.A. FIRE CODES.
15. ALL ROOF PENETRATIONS, CUTTING, PATCHING, BLOCKOUTS, STRUCTURAL SUPPORT, ROOF OPENINGS, LEVELING OF PRE–FAB CURBS SHALL BE BY GENERAL CONTRACTOR. CONTRACTOR SHALL VERIFY EXACT ROOF OPENING SIZES WITH UNIT MANUFACTURER PRIOR TO START OF WORK AND SHALL MAKE ALL NECESSARY ADJUSTMENTS AT NO EXTRA COST TO OWNER.
16. LOCATION OF ALL MECHANICAL EQUIPMENT SHOWN ARE SCHEMATIC. CONTRACTOR SHALL FIELD COORDINATE EXACT LOCATIONS AND REQUIRED SERVICE/MAINTENANCE CLEARANCES PRIOR TO START OF WORK.
17. CONTRACTOR SHALL VERIFY WEIGHTS OF ALL MECHANICAL EQUIPMENT WITH THEIR MANUFACTURER PRIOR TO START OF WORK. IF DIFFERENT THAN THE WEIGHTS INDICATED ON DRAWINGS, CONTRACTOR SHALL INFORM THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO START OF WORK.
18. CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS W/MFR. AND COORDINATE WITH THE ELECTRICAL CONTRACTOR AND THE MANUFACTURER PRIOR TO START OF WORK. NOTIFY THE ARCHITECT, IN WRITING, IN CASE OF ANY DISCREPANCIES, PRIOR TO START OF WORK.
19. ALL HVAC EQUIPMENT, APPLIANCES, AND DUCTWORK SHALL CONFORM TO THE LATEST GUIDELINES OF U.L., A.G.A., N.F.P.A., I.M.C., I.P.C., U.F.C. AND ALL OTHER LOCAL CODES HAVING JURISDICTION.
20. TEST AND BALANCE THE HVAC SYSTEM AS PER REQUIREMENTS OF THE MANDATORY HVAC MEASURES INDICATED ON THIS SHEET.
21. CONTRACTOR SHALL FIELD VERIFY EXACT CEILING SPACE AVAILABLE FOR ROUTING OF DUCT, PRIOR TO START OF WORK, INFORM ARCHITECT, IN WRITING, IN CASE OF ANY DISCREPANCY OR POTENTIAL CONFLICTS PRIOR TO FABRICATING AND/OR PURCHASE OF ANY DUCTWORK.
22. PROVIDE SMOKE DETECTOR IN SUPPLY AIR DUCT OF AIR MOVING SYSTEMS EXCEEDING 2000 CFM.
23. ACCESS PANELS SHALL BE PROVIDED TO ALL EQUIPMENT, MANUAL VOLUME DAMPERS, ETC. LOCATED IN INACCESSIBLE AREAS.
24. MAINTAIN MINIMUM 10'–0" BETWEEN ALL OA INTAKES AND EXHAUST AIR DISCHARGES OR VENTS. ALL FRESH AIR INTAKES SHALL BE 10' ABOVE FINISH GRADE.

LEGEND

SYMBOL	ABBREV.	DESCRIPTION
		DEMOLITION
		ITEM TO BE RELOCATED
		FLEXIBLE CONNECTION, DUCTWORK
	10x6	DUCT SIZE (1ST NUMBER INDICATES SIDE SHOWN)
	(L)	INTERNALLY LINED DUCTWORK
	TV	SQUARE ELBOW WITH TURNING VANES
		ROUND ELBOW
	MVD	MANUAL VOLUME DAMPER
	BD	BACKDRAFT DAMPER
		FLEXIBLE DUCTWORK
	FSD	FIRE SMOKE DAMPER
	OA	OUTSIDE AIR
		ROUND DUCT UP CEILING SUPPLY AIR DIFFUSER (4–WAY THROW UNLESS NOTED OTHERWISE)
	SA	SUPPLY AIR
	RR/RG	RETURN AIR REGISTER / GRILLE
	RA	RETURN AIR
	ER/EG	EXHAUST AIR REGISTER / GRILLE
	EA	EXHAUST AIR
	AP	CEILING ACCESS PANEL
		RECTANGULAR SUPPLY DUCT UP
		RECTANGULAR RETURN DUCT UP
	EA	RECTANGULAR EXHAUST DUCT UP
T	TSTAT	THERMOSTAT
H	HSTAT	HUMIDISTAT
S		WALL SWITCH/WALL STAT
CO	CO	CARBON MONOXIDE SENSOR
CO_2	CO_2	CARBON DIOXIDE SENSOR
SD	SD	DUCT MOUNTED SMOKE DETECTOR. INTERLOCK WITH FIRE ALARM. SEE ELECT. DWGS.
TC	TC	TIME CLOCK (ELECTRONIC PROGRAMMABLE)
TS	TS	TIMER SWITCH
	POC	POINT OF CONNECTION
	POD	POINT OF DISCONNECT
¢	CFM	CUBIC FEET PER MINUTE
—CHWR—	CHWR	CHILLED WATER RETURN
—CHWS—	CHWS	CHILLED WATER SUPPLY
—HHWR—	HHWR	HEATING HOT WATER RETURN
—HHWS—	HHWS	HEATING HOT WATER SUPPLY
	ACI	AMERICAN CONCRETE INSTITUTE
	A.D.A.	AMERICANS WITH DISABILITIES ACT
	A.F.F.	ABOVE FINISH FLOOR
	A.G.A.	AMERICAN GAS ASSOCIATION
	AL	ALUMINUM
	AMB.	AMBIENT
	ARCH.	ARCHITECT OR ARCHITECTURAL
	ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
	BHP	BRAKE HORESPOWER
	BTU(H)	BRITISH THERMAL UNIT (PER HOUR)
	B.U.R.	BUILT–UP ROOFING
	CAP.	CAPACITY
	CHW	CHILLED WATER
	CONC.	CONCRETE
	COND.	CONDITIONS
	CONN.	CONNECTIONS
	COORD.	COORDINATE
	C.O.P.	COEFFICIENT OF PERFORMANCE
	CORR.	CORRIDOR
	CU	COPPER
	CW	COLD WATER
	DB	DRY BULB
	DWG(S).	DRAWING(S)
	DX	DIRECT EXPANSION
	(E)	EXISTING
	EAT	ENTERING AIR TEMPERATURE

LEGEND (CONT.)

SYMBOL	ABBREV.	DESCRIPTION
	EDB.	ENTERING DRY BULB
	ENT.	ENTERING
	EWT	ENTERING WATER TEMPERATURE
	EER	ENERGY EFFICIENCY RATIO
	E.E.S.	ENERGY EFFICIENCY STANDARDS
	EFF.	EFFICIENCY
	ELEC.	ELECTRICAL
	ESP	EXTERNAL STATIC PRESSURE (INCHES OF WATER)
	FAB	FABRICATED
	F.A.R.	FREE AREA REQUIRED
	FLA	FULL LOAD AMPS
	FPM	FEET PER MINUTE
	FT.	FEET
	G.I.	GALVANIZED IRON
	GPM	GALLONS PER MINUTE
	GSM	GALVANIZED SHEET METAL
	HERS	HOME ENERGY RATING SYSTEM
	HHW	HEATING HOT WATER
	HP	HORSEPOWER
	HSPF	HEATING SEASONAL PERFORMACE FACTOR
	HVAC	HEATING, VENTILATION AND AIR CONTITIONING
	IBC	INTERNATIONAL BUILDING CODE
	IECC	INTERNATIONAL ENERGY COMPLIANCE CODE
	IMC	INTERNATIONAL MECHANICAL CODE
	IN.	INCHES
	IPC	INTERNATIONAL PLUMBING CODE
	IPLV	INTEGRATED PART–LOAD VALUE
	KW	KILOWATT
	LAT	LEAVING AIR TEMPERATURE
	LVG.	LEAVING
	LWT	LEAVING WATER TEMPERATURE
	MECH.	MECHANICAL
	MAX.	MAXIMUM
	MB	MACHINE BOLT
	MBH	1000 BTUH
	MCA	MINIMUM CIRCUIT AMPACITY
	MFR	MANUFACTURER
	MIN.	MINIMUM
	MOCP	MAXIMUM OVERCURRENT PROTECTION
	MVD	MANUAL VOLUME DAMPER
	NA	NOT APPLICABLE
	NC	NOISE CRITERIA
	N.F.P.A.	NATIONAL FIRE PROTECTION ASSOCIATION
	NIC	NOT IN CONTRACT
	NO.	NUMBER
	OBD	OPPOSED BLADE DAMPER
	OPER.	OPERATING
	PH	PHASE
	QTY.	QUANTITY
	RPM	REVOLUTIONS PER MINUTE
	SEER	SEASONAL ENERGY EFFICIENCY RATIO
	SF	SQUARE FEET
	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
	S.M.S.	SHEET METAL SCREW
	S.O.V.	SHUT–OFF VALVE
	SPD	STATIC PRESSURE DROP
	SQFT	SQUARE FEET
	STRUC.	STRUCTURAL
	TEMP.	TEMPERATURE
	THRU	THROUGH
	TSP	TOTAL STATIC PRESSURE
	TYP.	TYPICAL
	U/C	UNDERCUT DOOR
	U.F.C.	UNIFIED FACILITIES CRITERIA
	U.L.	UNDERWRITER'S LABORATORIES
	V	VOLTAGE / VOLTS
	VEL.	VELOCITY
	VAV	VARIABLE AIR VOLUME
	VFD	VARIABLE FREQUENCY DRIVE
	WB	WET BULB
	WT.	WEIGHT

MANDATORY HVAC SYSTEM MEASURES

1. ALL WORK INDICATED ON DRAWINGS AND/OR SPECIFICATIONS SHALL BE COORDINATED WITH WORKS OF OTHER TRADES PRIOR TO START OF WORK.
2. ALL PIPING AND DUCTWORK SHALL BE INSULATED CONSISTENT WITH THE REQUIREMENTS OF I.M.C. AND U.F.C. 3–410–01.
3. ALL HVAC EQUIPMENT AND APPLIANCES SHALL MEET THE REQUIREMENTS OF I.M.C. AND U.F.C. 3–410–01.
4. ALL HVAC SYSTEMS SHALL MEET THE CONTROL REQUIREMENTS OF I.M.C. AND U.F.C. 3–410–01.
5. ALL VENTILATION SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE I.M.C. AND ASHRAE 62.1. ALL SYSTEMS SHALL PROVIDE THE MINIMUM OUTSIDE AIR AS SHOWN ON THE MECHANICAL DRAWINGS, AND SHALL BE MEASURED AND CERTIFIED BY AN INDEPENDENT QUALIFIED TESTING AGENCY.
6. THE CONTRACTOR SHALL PROVIDE THE BUILDING OWNER, MANAGER, AND THE ORIGINAL OCCUPANTS A LIST OF THE HEATING, VENTILATION, AND AIR CONDITIONING FEATURES, MATERIALS, AND COMPONENTS INSTALLED IN THE BUILDING AND OPERATING INSTRUCTIONS.
7. ALL SPACE CONDITIONING AND VENTILATION SYSTEMS SHALL BE BALANCED TO THE QUANTITIES SPECIFIED IN THESE PLANS, IN ACCORDANCE WITH THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB) PROCEDURAL STANDARDS, OR ASSOCIATED AIR BALANCE COUNCIL (AABC) NATIONAL STANDARDS. TESTING AND BALANCING SHALL BE DONE BY AN INDEPENDENT QUALIFIED AGENCY. PER SPECIFICATION SECTION 23 05 93.
8. DUCT INSULATION SHALL HAVE A MINIMUM INSTALLED R–VALUE OF 8.0.
9. DURING CONSTRUCTION, ENDS OF DUCT OPENINGS SHALL BE SEALED AND MECHANICAL EQUIPMENT SHALL BE COVERED TO PROTECT INTEGRITY OF SYSTEM CLEANLINESS.
10. BUILDING COMMISSIONING FOR HVAC, LIGHTING AND DOMESTIC HOT WATER SYSTEMS SHALL BE PERFORMED IN ACCORDANCE WITH SPECIFICATION SECTION 2308 00.00 10 AND UFC 3–410–01 AND U.F.C. 1–200–02. BUILDING AIR BALANCE SHALL BE SLIGHTLY POSITIVE.

APPLICABLE CODES

- 2021 SOUTH CAROLINA BUILDING CODE OR THE 2021 INTERNATIONAL BUILDING CODE WITH SC MODIFICATIONS
- 2021 SOUTH CAROLINA RESIDENTIAL CODE OR THE 2021 INTERNATIONAL RESIDENTIAL CODE WITH SC MODIFICATIONS
- 2021 SOUTH CAROLINA FIRE CODE OR THE 2021 INTERNATIONAL FIRE CODE WITH SC MODIFICATIONS
- 2021 SOUTH CAROLINA PLUMBING CODE OR THE 2021 INTERNATIONAL PLUMBING CODE WITH SC MODIFICATIONS 2021
- SOUTH CAROLINA MECHANICAL CODE OR THE 2021 INTERNATIONAL MECHANICAL CODE WITH SC MODIFICATIONS 2021
- SOUTH CAROLINA FUEL GAS CODE OR THE 2021 INTERNATIONAL FUEL GAS CODE WITH SC MODIFICATIONS
- 2020 NATIONAL ELECTRICAL CODE (NFPA 70) WITH SC MODIFICATIONS
- 2009 INTERNATIONAL ENERGY CONSERVATION CODE (ENERGY STANDARD ACT)
- ANSI A117–1 2017 FOR ADA CODE
- SHAW AFB IFS 2019

REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA — MECHANICAL — No. M29230 — Exp. 3/31/25 — DAYON

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO.: 20216427740

DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SIZE: ANSI D

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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

MECHANICAL LEGEND AND GENERAL NOTES

GENERAL

M001

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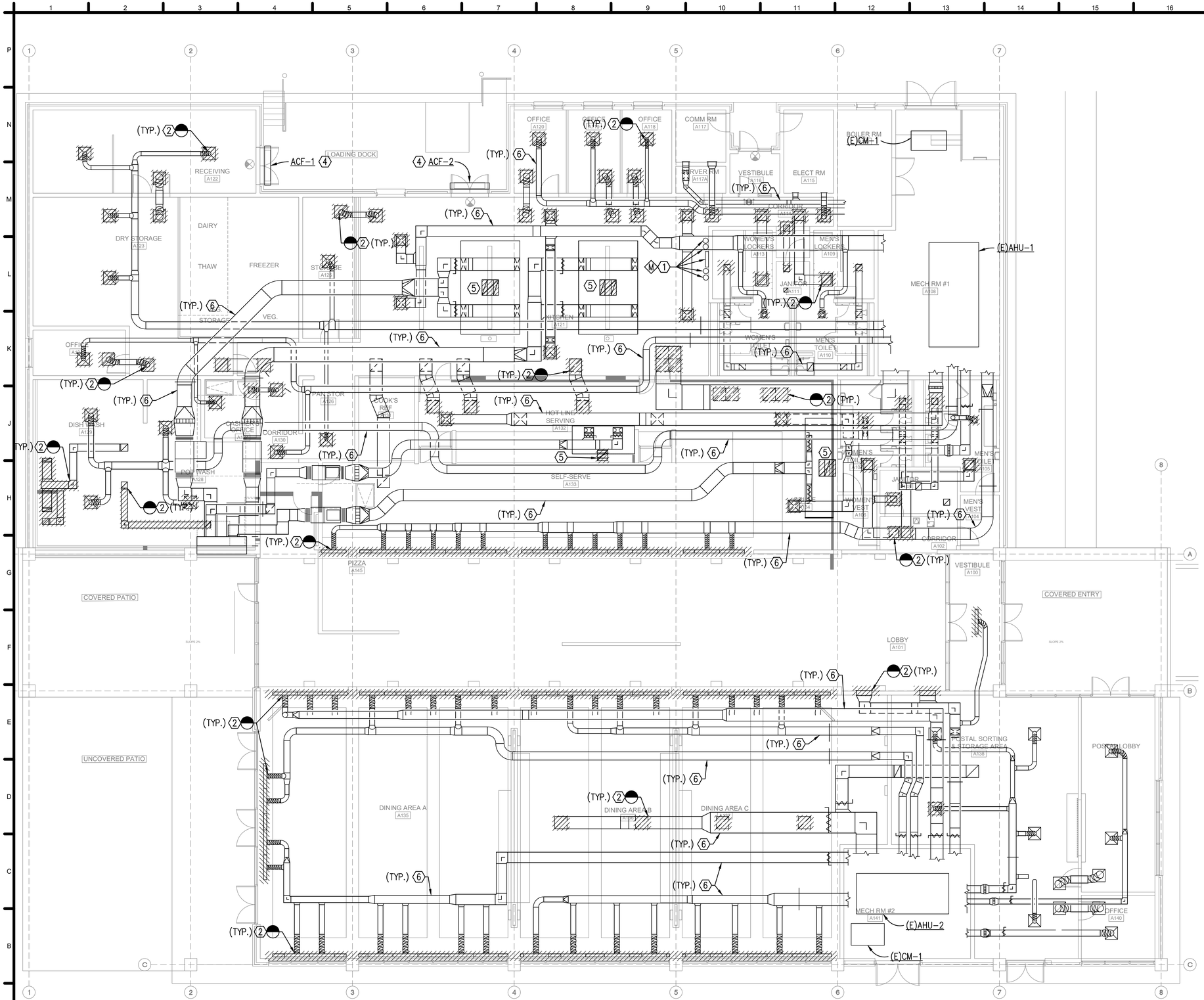

A1 MECHANICAL DEMOLITION FIRST FLOOR PLAN
SCALE: 1/8" = 1' - 0"

PLAN NORTH

KEY NOTES

1. EXISTING CAPTIVE AIRE HOOD WASH SYSTEM AND CONTROLS.
2. POINT OF DISCONNECT. DISCONNECT DUCTWORK FROM DIFFUSER WHERE NECESSARY TO REPLACE DIFFUSER AND PREPARE FOR CONNECTION TO NEW DIFFUSER.
3. DEMO ALL SUPPLY AND RETURN DIFFUSERS AND PREPARE FOR NEW DIFFUSERS INSTALLATION.
4. EXISTING AIR CURTAIN TO REMAIN.
5. DEMO GREASE DUCT FROM HOOD UP TO ROOF. PREPARE EXISTING HOOD FOR CONNECTION OF NEW GREASE DUCT. SEE M101 FOR MORE DETAIL.
6. DEMO ALL DUCTWORK INSULATION AND PREPARE DUCTWORK TO BE REPAIRED AND RESEALED AS REQUIRED.
7. POINT OF DISCONNECT. DEMO MAKE UP AIR DUCT. PREPARE MAKE UP AIR DUCT FOR NEW CONNECTION. SEE M101 FOR ROUTING AND SIZING.

GENERAL NOTES

A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, DETERMINING EXTENT OF DEMOLITION, AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

B. ALL EXISTING EQUIPMENT, DUCTWORK AND AIR DISTRIBUTION DEVICES, WHICH ARE TO REMAIN, SHALL BE CLEANED AND REFURBISHED TO ORIGINAL WORKING CONDITION.

C. ALL WORK TO BE DEMOLISHED OR REMOVED SHALL NOT BE RE-INSTALLED UNLESS NOTED OTHERWISE.

ADD/ALTERNATES

M. PROVIDE ALTERNATIVE PRICING TO DECOMMISSION EXISTING CAPTIVE AIRE HOOD WASHING EQUIPMENT AND CONTROLS. DEFAULT IS TO REMAIN AS IS.

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	03/2024
		4/03/2024

DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 202142477200

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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

MECHANICAL DEMOLITION FIRST FLOOR PLAN

REGISTERED PROFESSIONAL ENGINEER
No. M29230
Exp. 3/31/25
MECHANICAL
STATE OF CALIFORNIA

MECHANICAL
MD101

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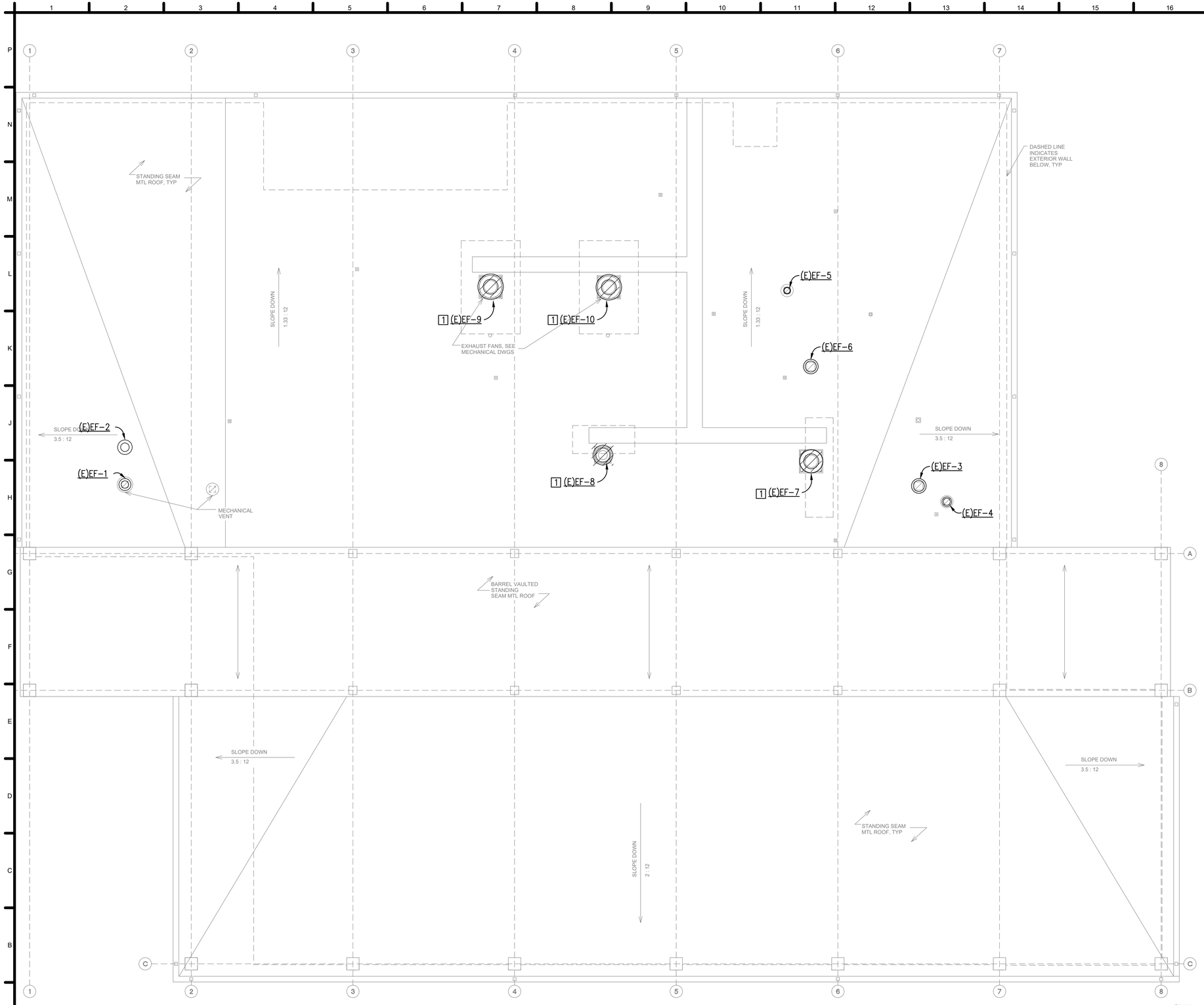
DEBRA COLEMAN



A1 MECHANICAL ROOF PLAN
SCALE: 1/8" = 1' - 0"

KEY NOTES

1. DEMO EXHAUST FAN AND PREPARE CURB FOR NEW FAN INSTALLATION. SEE M102 FOR NEW FAN INSTALL LOCATION. SEE FOOD SERVICE CAPTIVE AIRE DRAWING FOR FAN SPECIFICATIONS.

GENERAL NOTES

A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, DETERMINING EXTENT OF DEMOLITION, AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

B. ALL EXISTING EQUIPMENT, DUCTWORK AND AIR DISTRIBUTION DEVICES, WHICH ARE TO REMAIN, SHALL BE CLEANED AND REFURBISHED TO ORIGINAL WORKING CONDITION.

C. ALL WORK TO BE DEMOLISHED OR REMOVED SHALL NOT BE RE-INSTALLED UNLESS NOTED OTHERWISE.

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO.: 202124077400

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SUBMITTED BY: SOBE
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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

MECHANICAL DEMOLITION ROOF PLAN

REGISTERED PROFESSIONAL ENGINEER
DEBRA COLEMAN
No. M29230
Exp. 3/31/25
MECHANICAL
STATE OF CALIFORNIA

MECHANICAL

MD102

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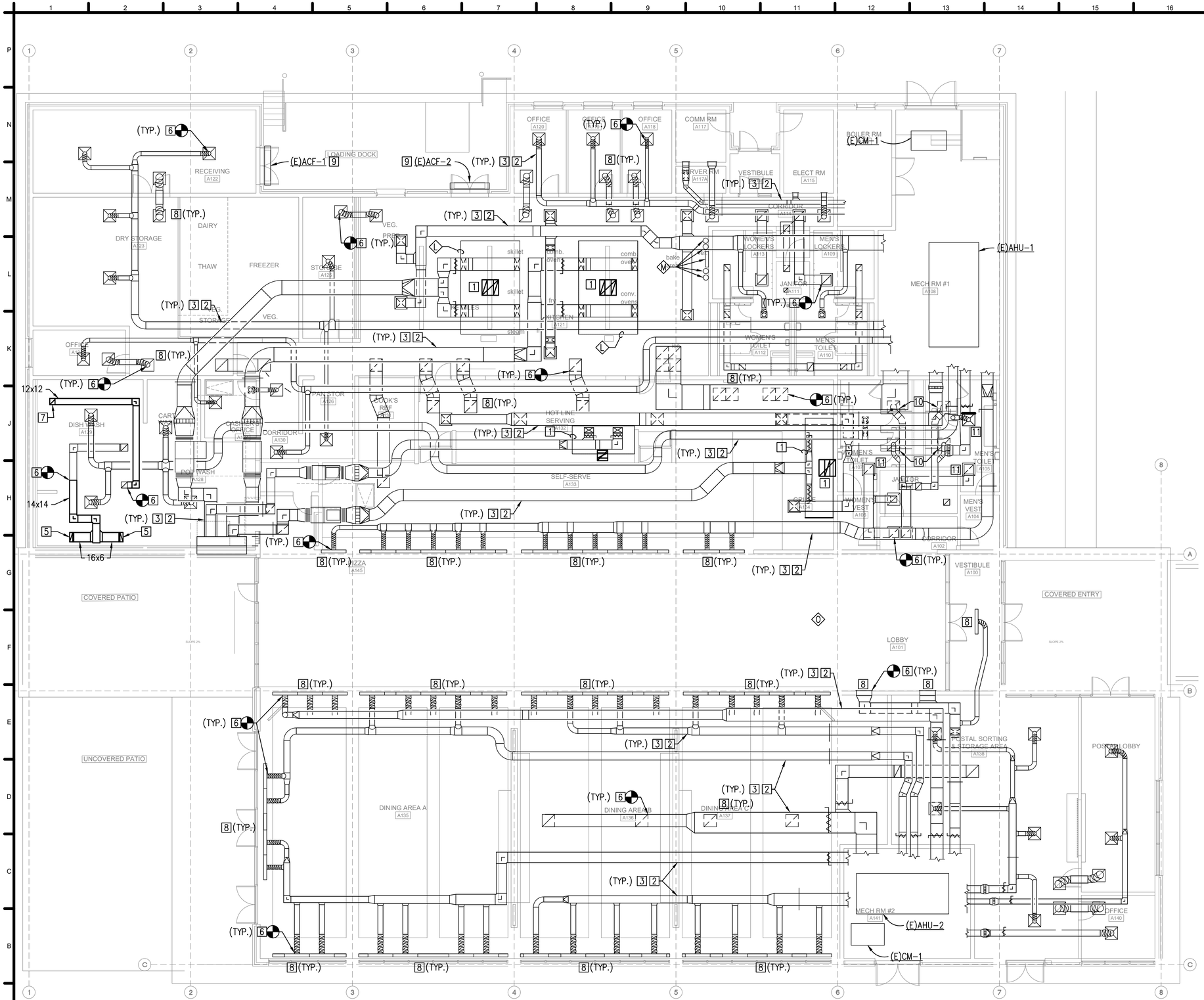

A1 MECHANICAL FIRST FLOOR PLAN
SCALE: 1/8" = 1' - 0"

KEY NOTES

1. PROVIDE NEW MANUFACTURER GREASE DUCT UP TO EXHAUST FAN ROOF CURB. SEE CAPTIVE AIRE DRAWINGS FOR DUCT SIZE AND ROUTING. SEE DETAIL M501/H5 FOR INSTALLATION DETAIL.
2. ALL EXISTING DUCTWORK SHALL BE CLEANED, TAPED, SEALED AND DALT TESTED.
3. PROVIDE AND INSTALL NEW R-8 DUCTWORK INSULATION ON ALL NEW AND EXISTING DUCTWORK.
4. NOT USED.
5. 16x6 WELDED STAINLESS STEEL DUCT DOWN TO WAREWASHER MACHINE.
6. POINT OF CONNECTION.
7. 12x12 WELDED STAINLESS STEEL DUCT DOWN TO HOOD.
8. PROVIDE NEW LIKE KIND SUPPLY, RETURN DIFFUSER. USE MANUFACTURER: TITUS, MODEL: PMC FOR SUPPLY AND PAR FOR RETURN OR EQUAL AND APPROVED. SEE DETAIL M501/A1 FOR MOUNTING.
9. EXISTING AIR CURTAIN TO REMAIN.
10. PROVIDE NEW LIKE KIND EXHAUST REGISTER TITUS MODEL PAR OR APPROVED EQUAL. EXTEND EXISTING DUCT TO NEW LOCATION.
11. EXTEND EXISTING DUCT TO NEW LOCATION.

GENERAL NOTES

A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, DETERMINING EXTENT OF DEMOLITION, AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

B. ALL EXISTING EQUIPMENT, DUCTWORK AND AIR DISTRIBUTION DEVICES, WHICH ARE TO REMAIN, SHALL BE CLEANED, REFURBISHED TO ORIGINAL WORKING CONDITION.

ADD/ALTERNATES

L. PROVIDE ALTERNATIVE PRICE TO INSPECT KITCHEN HOOD AND ENSURE THAT THEY ARE OPERATIONAL. PROVIDE REPORT AND PROVIDE COST FOR RECOMMENDED REPAIRS. IF REQUIRED PROVIDE PRICE FOR NEW HOODS.

M. PROVIDE ALTERNATIVE PRICING TO DECOMMISSION EXISTING CAPTIVE AIRE HOOD WASHING EQUIPMENT AND CONTROLS. DEFAULT IS TO REMAIN.

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO: 20241040772-00

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SUBMITTED BY: SOBE
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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

MECHANICAL FIRST FLOOR PLAN

REGISTERED PROFESSIONAL ENGINEER
No. M29230
Exp. 3/31/25
MECHANICAL
STATE OF CALIFORNIA

MECHANICAL
M101

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DEBRA.COLEMAN
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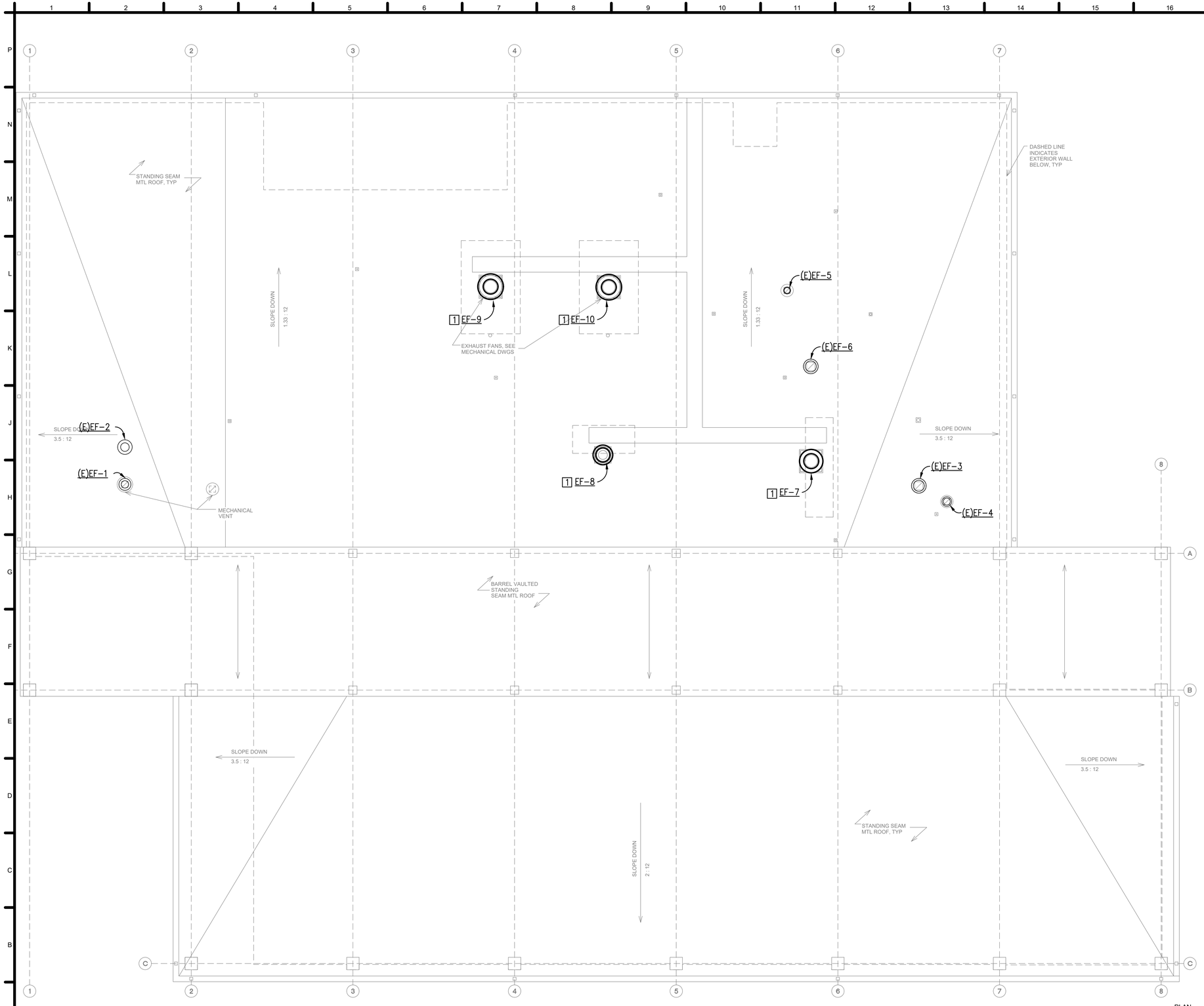

A1 MECHANICAL ROOF PLAN
SCALE: 1/8" = 1' - 0"

KEY NOTES

1. INSTALL NEW EXHAUST FAN AT EXISTING ROOF CURB. SEE FOOD SERVICE CAPTIVE AIRE DRAWINGS FOR FAN SPECIFICATIONS. SEE M501/H1 FOR DETAIL.

GENERAL NOTES

A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, DETERMINING EXTENT OF DEMOLITION, AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

B. ALL EXISTING EQUIPMENT, DUCTWORK AND AIR DISTRIBUTION DEVICES, WHICH ARE TO REMAIN, SHALL BE CLEANED AND REFURBISHED TO ORIGINAL WORKING CONDITION.

C. ALL WORK TO BE DEMOLISHED OR REMOVED SHALL NOT BE RE-INSTALLED UNLESS NOTED OTHERWISE.

REGISTERED PROFESSIONAL ENGINEER
DEBRA COLEMAN
No. M29230
Exp. 3/31/25
MECHANICAL
STATE OF CALIFORNIA

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: AS NOTED
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ISSUE DATE: 4/03/2024
PROJECT NO.: 20214047740

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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

MECHANICAL ROOF PLAN

MECHANICAL
M102

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DEBRA.COLEMAN
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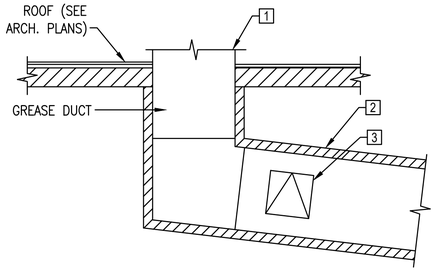
NOTE: GREASE DUCT SHALL HAVE MINIMUM 1/4" PER FOOT SLOPE TOWARD HOOD. PROVIDE DUCT CLEANOUT AND FIRE RATED ACCESS PANEL THRU BARRIER AT EVERY CHANGE IN DIRECTION AND AT 10'-0" O.C. MAXIMUM TO ENSURE COMPLETE ACCESS.



1 GREASE DUCT UP THRU ROOF TO EXHAUST FAN.
2 3M FIRE BARRIER DUCT WRAP 615+ TO BE INSTALLED BY A CERTIFIED FIREMASTER INSTALLER PER MANUFACTURERS WRITTEN INSTRUCTIONS UL 2221 (ASTM E2336 COMPLIANT).
3 CLEANOUT (TYP.) MINIMUM 20x20 WHERE DUCT IS AT LEAST 20x20.

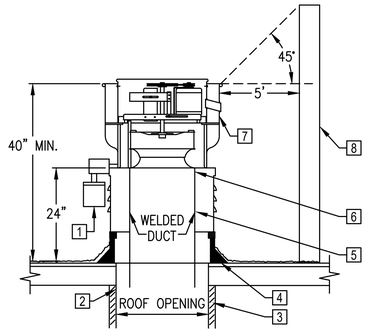
H5 GREASE DUCT DETAIL
NOT TO SCALE

L9 NOT USED
NOT TO SCALE

L13 NOT USED
NOT TO SCALE

L17 NOT USED
NOT TO SCALE

1 GREASE TRAP.
2 WELDED 16 GAUGE CARBON STEEL OR 18 GAUGE STAINLESS STEEL DUCT.
3 FIRE RATED DUCT WRAP.
4 LEVEL PREFABRICATED ROOF CURB.
5 VENTED CURB EXTENSION.
6 HINGED & CHAINED CURB CAP.
7 UPBLAST EXHAUST FAN.
8 PARAPET WALL/EQUIPTMENT WELL.

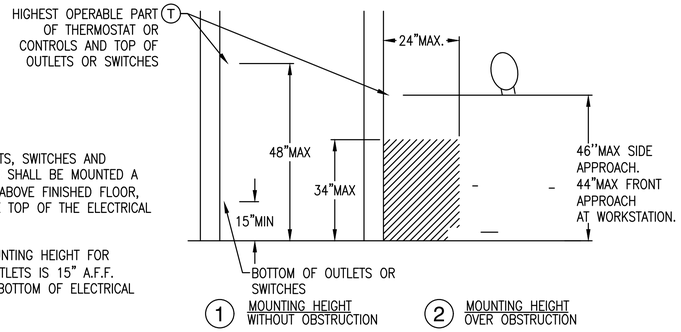


H1 KITCHEN HOOD EXHAUST FAN DETAIL
NOT TO SCALE

H9 NOT USED
NOT TO SCALE

H13 NOT USED
NOT TO SCALE

H17 NOT USED
NOT TO SCALE



NOTE: ELECTRICAL OUTLETS, SWITCHES AND SIMILAR CONTROLS SHALL BE MOUNTED A MAXIMUM OF 48" ABOVE FINISHED FLOOR, MEASURED TO THE TOP OF THE ELECTRICAL BOX.

THE MINIMUM MOUNTING HEIGHT FOR SWITCHES AND OUTLETS IS 15" A.F.F. MEASURED FROM BOTTOM OF ELECTRICAL BOX.

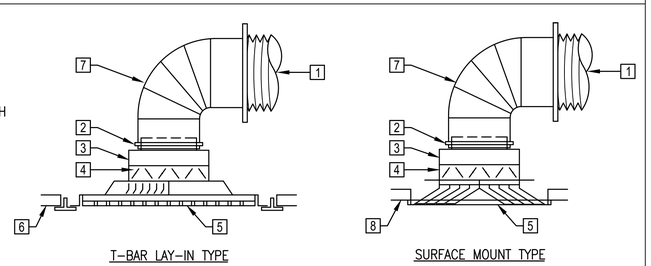
D1 THERMOSTAT MOUNTING DETAIL
NOT TO SCALE

D9 NOT USED
NOT TO SCALE

D13 NOT USED
NOT TO SCALE

D17 NOT USED
NOT TO SCALE

1 FLEXIBLE DUCT. 4'-0" MAX LENGTH
2 CLAMP (NO DUCT TAPE).
3 SQUARE TO ROUND ADAPTOR (WHERE INDICATED).
4 OPPOSED BLADE DAMPERS (WHERE INDICATED).
5 DIFFUSER OR GRILLE.
6 LAY-IN T-BAR CEILING.
7 90° ELBOW.
8 HARD-LID CEILING.



A1 DIFFUSER/REGISTER MOUNTING DETAIL
NOT TO SCALE

A9 NOT USED
NOT TO SCALE

A13 NOT USED
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
No. M29230
Exp. 3/31/25
MECHANICAL
STATE OF CALIFORNIA

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO: 20214047740
DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: AS NOTED

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

MECHANICAL DETAILS

MECHANICAL
M501

F:__2021\21197 SHAW AIR FORCE BASE SC DINING FACILITY\MECH\21197_M501.DWG
DEBRA.COLEMAN
1:31:57 PM 4/2/2024

ELECTRICAL SYMBOL LEGEND

SOME SYMBOLS IN THIS LEGEND MAY OR MAY NOT BE USED IN THIS PROJECT. FLOOR PLANS SHALL DICTATE WHICH SYMBOLS ARE APPLICABLE.

SYMBOL	DESCRIPTION
A–1,3	CONDUIT HOMERUN WITH PANEL DESIGNATION AND CIRCUITS INDICATED.
	CONDUIT / WIRING, INSTALLED IN OR BELOW FLOOR SLAB.
	CONDUIT / WIRING, EXPOSED.
	CONDUIT/WIRING CONCEALED IN WALL OR CEILING SPACE.
	CONDUIT, FLEXIBLE CONNECTION DRY LOCATIONS – FLEXIBLE STEEL CONDUIT WET LOCATIONS – LIQUIDTIGHT FLEXIBLE STEEL CONDUIT
A	LIGHT FIXTURE DESIGNATION
	POLE MOUNTED LIGHT FIXTURE WITH POLE AND FOUNDATION. NUMBER AND ORIENTATION OF LUMINARIES AS SHOWN ON DRAWINGS.
	LIGHTING FIXTURE, WALL OR BRACKET MOUNTED.
	LIGHTING FIXTURE, SURFACE OR RECESSED MOUNTED.
	LIGHTING FIXTURE WITH EMERGENCY BATTERY PACK OR CONNECTED TO EMERGENCY POWER SYSTEM.
	TRACK LIGHTING WITH FIXTURES.
	EXIT LIGHT FIXTURE. DARKENED AREA INDICATES FIXTURE FACE. ARROW INDICATES DIRECTION OF FACE ARROW. LL = LOW LEVEL
S 3 ab	LIGHT SWITCH, WALL MOUNTED AT +42" AFF, U.O.N. 2 = TWO POLE, 3 = THREE WAY, 4 = FOUR WAY a,b = INDICATES ROOM SWITCHING CIRCUITS AND NUMBER OF SWITCHES D = DIMMER K = KEYED OC = OCCUPANCY SENSOR, DUAL TECHNOLOGY VS = VACANCY SENSOR, MANUAL ON, WHERE REQUIRED BY CODE P = PILOT LIGHT, LIGHTED IN THE OFF POSITION. BP = BYPASS TIMER WP = WEATHERPROOF WR = WEATHER RESISTANT F = FAN SWITCH S = SOLATUBE CONTROL T = TIMER SWITCH LV = LOW VOLTAGE
J	JUNCTION BOX, HANDHOLE OR PULLBOX WITH COVER, SIZE PER NEC, ART. 314.28.
M	UTILITY COMPANY APPROVED CT/METER PROVISIONS
	GROUND
	FUSE
	FUSED SWITCH
	CIRCUIT BREAKER
TC	TIME CLOCK
	LIGHTING/POWER PANEL – FLUSH MOUNT UNLESS OTHERWISE INDICATED
LA	LIGHTING/POWER PANELBOARD DESIGNATION
	MOTOR OR MECHANICAL EQUIPMENT, WITH FLEXIBLE CONNECTION
FC 3	MECHANICAL EQUIPMENT DESIGNATION
	DISCONNECT SWITCH (30=AMPS 3=POLES) NEMA 1 INDOORS NEMA 3R IN WET LOCATIONS F = FUSED
30/3 F	PROVIDE TIME–DELAY TYPE FUSE(S) SIZED PER EQUIPMENT MANUFACTURERS NAMEPLATE RATING.
SM	MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD PROTECTOR
30/3/0	COMBINATION MOTOR STARTER WITH FUSED SWITCH, WITH THERMAL OVERLOAD PROTECTOR AND DUAL ELEMENT FUSES. (30=AMPS, 3=POLES 0=STARTER SIZE).
GFI	DUPLEX RECEPTACLE, +18" ABOVE FINISH FLOOR, U.O.N.; NEMA 5–20R, U.O.N.; NUMBER INDICATES CIRCUIT NUMBER. GFIF = GROUND FAULT INTERRUPTION, FEED–THRU TYPE WP = WEATHERPROOF, WITH A WEATHERPPROOF, WHILE IN USE COVER. WR = WEATHER–RESISTANT TYPE RECEPTACLE, WITH A WEATHERPPROOF, WHILE IN USE COVER. GFI = GROUND FAULT INTERRUPTION.
OR	DOUBLE DUPLEX RECEPTACLE, +18" U.O.N.
	DUPLEX RECEPTACLE ABOVE COUNTERTOP BACKSPLASH, VERIFY REQ'D HT.
J	POWER RECEPTACLE, SEE POWER RECEPTACLE SCHEDULE FOR NEMA CONFIGURATION AND SIZE.
	POWER POLE, WITH NUMBER OF RECEPTACLES INDICATED
	DUPLEX RECEPTACLE, PEDESTAL MOUNTED
	CEILING MOUNTED DUPLEX RECEPTACLE AT T–BAR CEILING NOT TO BE MOUNTED IN CEILING SPACE.
	DUPLEX RECEPTACLE, FLUSH FLOOR MOUNTED, WITH HINGED COVER, U.O.N.

SYMBOL	DESCRIPTION
	CORD SUSPENDED CEILING RECEPTACLE
MS	MOTION SENSOR, DUAL TECHNOLOGY, CEILING MOUNTED NOT TO BE LOCATED WITHIN 48" OF ANY HVAC DIFFUSER
	SURFACE MOUNTED DUPLEX RECEPTACLE +18" U.O.N.
	SURFACE MOUNTED DOUBLE DUPLEX RECEPTACLE +18" U.O.N.
SS	SOLID STATE, ELECTRONIC, ADJ TRIP CIRC BRKR WITH LSIG.
DS	DAYLIGHT SENSOR
	DATA JUNCTION BOX, AT +18" UNLESS OTHERWISE NOTED, WITH 1–1/4" CONDUIT ONLY WITH PULLSTRING UP TO NEAREST CABLE TRAY OR TO ACCESSIBLE TO CEILING SPACE.
	TELE/DATA JUNCTION BOX AT +18", U.O.N., WITH (2)1–1/4" CONDUIT ONLY WITH PULLSTRING UP TO NEAREST CABLE TRAY OR TO ACCESSIBLE CEILING SPACE. W = WALL MOUNT AT +42", U.O.N.
	CEILING MOUNTED DATA AT T–BAR CEILING NOT TO BE MOUNTED IN CEILING SPACE, WITH 1" CONDUIT TO INTERMEDIATE DISTRIBUTION FRAME AS INDICATED ON DWGS.
	DATA OUTLET, FLUSH FLOOR MOUNTED, WITH HINGED COVER, U.O.N.

DEMOLITION NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE SPECIFICALLY INCLUDING ALL AREAS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL THOROUGHLY FAMILIARIZE THEMSELF WITH THESE EXISTING CONDITIONS, AND BY SUBMITTING A BID ACCEPTS CONDITIONS UNDER WHICH THEY WILL BE REQUIRED TO PERFORM THEIR WORK.
2. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO DISCONNECT AND REMOVE ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, ELECTRICAL EQUIPMENT, ETC., AFFECTED BY THE REMODELED AREA. THIS WILL INCLUDE REROUTING, OR THE EXTENSION OF, EXISTING CONDUIT AND FEEDERS WHERE NECESSARY TO MAINTAIN THE CONTINUITY OF EXISTING EQUIPMENT REMAINING.
3. ALL CIRCUIT NUMBERS AND EXISTING CONDUIT HOMERUNS SHOWN ON THESE DRAWINGS WERE TAKEN FROM EXISTING RECORD DRAWINGS. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF HOMERUNS, AND ADJUST CIRCUIT NUMBERS ACCORDING TO EXISTING CONDITIONS IF REQUIRED.
4. WHERE EXISTING WALLS HAVE BEEN REMOVED, AND THERE ARE EXISTING CONDUIT FEEDS WHICH HAVE BEEN CUT–OFF AND CAPPED FLUSH WITH FLOOR, IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND DIMENSION ALL SUCH CONDUITS ON THE "AS–BUILT" DRAWINGS UNLESS OTHERWISE NOTED.
5. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO MAINTAIN CONTINUITY OF ALL ELECTRICAL SYSTEMS, EQUIPMENT, ETC., REMAINING IN OPERATION WHICH ARE BEING FED BY AN ABANDONED OUTLET. MAINTAINING CONTINUITY SHALL CONSIST OF REROUTING CONDUIT, WIRING, ETC., AS REQUIRED.
6. WHERE NEW CIRCUITS ARE SHOWN TO EXISTING PANELS, INSTALL NEW BREAKERS (MINIMUM 20 AMP, SINGLE POLE) AS CALLED FOR ON DRAWINGS. IDENTIFY EACH NEW CIRCUIT ON PANEL SCHEDULE.
7. EXISTING CONDUIT MAY BE REUSED IF ADEQUATELY SIZED, BUT IN NO CASE SHALL ANY EXISTING CONDUCTORS BE REUSED.
8. ALL ABANDONED OUTLETS INCLUDING LIGHT, RECEPTACLES, TELEPHONE, ETC., SHALL BE COVERED AND PATCHED TO MATCH THE FINISH OF SURROUNDING WALL OR CEILING TO THE SATISFACTION OF THE OWNER.
9. ALL LIGHTING FIXTURES REMOVED TO ACCOMPLISH DEMOLITION WORK SHALL BE REINSTALLED SIMILAR TO NEW WORK

BRANCH CIRCUIT WIRING NOTE:

1. FOR RECEPTACLE CIRCUITS & 120V BRANCH CIRCUITS, UNLESS NOTED OTHERWISE, PROVIDE THE FOLLOWING CONDUCTORS: (1) #12 CONDUCTOR FOR EACH PHASE (i.e. CIRCUIT NUMBER) & (1) SEPARATE DEDICATED #12 NEUTRAL CONDUCTOR FOR EACH SINGLE 120 VOLT CIRCUIT OR FOR 2 TO 3 CIRCUITS PROVIDED THEY ARE OF DIFFERENT PHASES; (1) EQUIPMENT GROUNDING CONDUCTOR, SIZED PER CEC. FOR CIRCUITS TO COMPUTER/DATA EQUIPMENT, PROVIDE DEDICATED NEUTRAL FOR EACH CIRCUIT.
2. FOR LIGHTING BRANCH CIRCUITS, PROVIDE THE FOLLOWING CONDUCTORS: (1) #12 CONDUCTOR FOR EACH PHASE (i.e. CIRCUIT NUMBER); (1) #12 NEUTRAL CONDUCTOR FOR A SINGLE, 120 OR 277 VOLT CIRCUIT, OR (1) #12 NEUTRAL CONDUCTOR FOR 2 TO 3 CIRCUITS WHERE EACH CIRCUIT IS ON A DIFFERENT PHASE; (1) EQUIPMENT GROUNDING CONDUCTOR, SIZED PER C.E.C. ART. #250 (DO NOT USE A COMMON NEUTRAL FOR MULTIPLE CIRCUITS ON SAME PHASE) (1) INTERCONNECTING CONDUCTOR BETWEEN EACH 3–WAY AND/OR 4–WAY SWITCH

APPLICABLE CODES

- 2021 SOUTH CAROLINA BUILDING CODE OR THE 2021 INTERNATIONAL BUILDING CODE WITH SC MODIFICATIONS
- 2021 SOUTH CAROLINA RESIDENTIAL CODE OR THE 2021 INTERNATIONAL RESIDENTIAL CODE WITH SC MODIFICATIONS
- 2021 SOUTH CAROLINA FIRE CODE OR THE 2021 INTERNATIONAL FIRE CODE WITH SC MODIFICATIONS
- 2021 SOUTH CAROLINA PLUMBING CODE OR THE 2021 INTERNATIONAL PLUMBING CODE WITH SC MODIFICATIONS 2021
- SOUTH CAROLINA MECHANICAL CODE OR THE 2021 INTERNATIONAL MECHANICAL CODE WITH SC MODIFICATIONS 2021
- SOUTH CAROLINA FUEL GAS CODE OR THE 2021 INTERNATIONAL FUEL GAS CODE WITH SC MODIFICATIONS
- 2020 NATIONAL ELECTRICAL CODE (NFPA 70) WITH SC MODIFICATIONS
- 2009 INTERNATIONAL ENERGY CONSERVATION CODE (ENERGY STANDARD ACT)
- ANSI A117–1 2017 FOR ADA CODE
- SHAW AFB IFS 2019

PROJECT NOTES

1. THESE DOCUMENTS MAY NOT BE USED FOR ANY REPRODUCTION, BIDDING, OR CONSTRUCTION UNLESS AUTHORIZED, IN WRITING, BY SALAS O'BRIEN AND THE ENGINEER OF RECORD RESPONSIBLE FOR THEIR PREPARATION.
2. VERIFY EXISTING SITE CONDITIONS, ELECTRICAL SERVICE REQUIREMENTS, DIMENSIONS, ELEVATIONS, POINTS OF CONNECTION AND PROJECT CONSTRUCTION LIMITS BEFORE SUBMITTING BID. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
3. THESE DRAWINGS ARE DIAGRAMMATIC AND ONLY INDICATE THE INTENT OF OUTLETS, DEVICES, ETC., TO BE CONNECTED AND THE CIRCUIT NUMBERS TO WHICH THEY ARE TO BE CONNECTED TO. CONTRACTOR SHALL INSTALL ALL REQUIRED J–BOXES ETC., AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM WHICH FALLS WITHIN ALL LOCAL AND NATIONAL GOVERNING CODES.
4. ALL EXTERIOR EQUIPMENT SHALL BE WEATHERPROOF.
5. LOCATIONS OF ALL EQUIPMENT SHALL BE VERIFIED PRIOR TO ROUGH–IN.
6. EACH CONDUCTOR OF EVERY SYSTEM SHALL BE PERMANENTLY TAGGED IN COMPLIANCE WITH OSHA.
7. P.V.C. CONDUIT, WITH CODE SIZED GROUND, SHALL BE USED UNDERGROUND ONLY, IF APPROVED BY LOCAL CODE. INSTALL PER LOCAL CODE REQUIREMENTS. CONDUIT RISERS AND STUBS ABOVE GRADE SHALL BE I.M.C. WITH HALF–LAPPED TAPE COVERING OR PVC COATING.
8. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC. FOR A COMPLETE AND PROPERLY OPERATION ELECTRICAL SYSTEM.
9. ALL MATERIALS SHALL BE NEW, AND OF THE SAME MANUFACTURER FOR EACH CLASS OR GROUP OF EQUIPMENT. MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITERS' LABORATORIES, AND SHALL BEAR THE INSPECTION LABEL WHERE SUBJECT TO SUCH APPROVAL. MATERIAL SHALL MEET WITH THE APPROVAL OF THE DIVISION OF INDUSTRIAL SAFETY, AND ALL GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY A.N.S.I., U.L., N.E.M.A. AND N.B.F.U. INSTALL PER MANUFACTURERS' RECOMMENDATIONS.
10. ALL CONDUIT SHALL BE INSTALLED CONCEALED WHERE PHYSICALLY POSSIBLE. ALL EXPOSED CONDUIT SHALL BE INTERMEDIATE METAL CONDUIT AND INSTALLED PARALLEL TO OR AT RIGHT ANGLES WITH THE BUILDING WALLS. IF VIEWED BY THE PUBLIC, PAINT TO MATCH SURFACE TO WHICH IT IS ATTACHED.
11. CONTRACTOR SHALL CARRY OUT HIS WORK IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY, LOCAL CODES, O.S.H.A. AND THE PRESENTLY ADOPTED NATIONAL ELECTRICAL CODE (N.E.C.).
12. THE COMPLETE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH THE PRESENTLY ADOPTED EDITION OF THE N.E.C., ART. # 250.
13. ALL ELECTRICAL PENETRATIONS THROUGH FIRE RATED AREA SEPARATION AND CORRIDOR ASSEMBLIES INCLUDING CONDUITS AND PIPING SHALL BE TIGHTLY AND SOLIDLY SEALED WITH FIRESTOPPING WALLBOARD COMPOUND AND SHALL BE AN APPROVED MATERIAL AS REQUIRED BY LOCAL ENFORCING AGENCY.
14. ELECTRICAL CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS, UTILITY CHARGES AND PAY FOR SAME. COORDINATE AND PAY FOR ALL ELECTRICAL SERVICE CHARGES WITH THE BUILDING DEPARTMENT, SERVING UTILITY AND OWNER.
15. COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER DATE OF ACCEPTANCE BY OWNER. ANY WORK, MATERIAL OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE ELECTRICAL CONTRACTOR.
16. CONDUCTORS SHALL BE CODE GRADE, 600 VOLT CLASS, COPPER (UNLESS OTHERWISE NOTED) MARKED 24" ALONG IT'S LENGTH SHOWING MANUFACTURER'S NAME, MAXIMUM ALLOWABLE VOLTAGE AND SIZE. GENERAL PURPOSE WIRING SHALL BE SOLID COPPER CONDUCTORS #10 AND SMALLER, STRANDED COPPER CONDUCTORS FOR #8 AND LARGER, TYPE 'THWN'(WET) OR 'THHN'(DRY). FOR SPECIAL PURPOSE WIRE TYPES REFER TO EQUIPMENT MANUFACTURER'S PLANS.
17. ALL CONDUIT ONLY (C.O.) SHALL HAVE A PULL WIRE OR ROPE.
18. USE ONLY COMPETENT AND SKILLED PERSONNEL AND PERFORM ALL WORK, INCLUDING AESTHETIC AS WELL AS ELECTRICAL AND MECHANICAL ASPECTS TO STANDARDS CONSISTENT WITH THE BEST PRACTICES OF THE TRADE.
19. ALL ELECTRICAL SYSTEM CONDUCTORS SHALL BE INSTALLED IN APPROVED RACEWAYS. NON–METALLIC SHEATHED CABLE IS NOT APPROVED.
20. WHERE IT BECOMES NECESSARY TO DRILL INTO OR CUT THROUGH ANY EXISTING SLABS, WALKWAYS OR DRIVES TO PERMIT THE INSTALLATION OF ANY WORK UNDER THIS CONTRACT, OR TO REPAIR ANY DEFECTS THAT MAY APPEAR TO THE EXPIRATION OF THE WARRANTY, SUCH CUTTING AND PATCHING SHALL PERFORMED BY TRADESMAN EXPERIENCED IN THE WORK REQUIRED. CONTRACTOR SHALL PAY FOR ALL COSTS REQUIRED FOR CUTTING OR REPAIRING. ALL FINISHES SHALL MATCH EXISTING OR NEW ADJACENT SURFACES.
21. ALL BROCHURES, OPERATING MANUAL, CATALOGS, ETC. SHALL BE TURNED OVER TO THE OWNER AT JOB COMPLETION.
22. ALL SUBSTITUTIONS SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT TEN (10) DAYS PRIOR TO BID. SUBMITTAL SHALL INCLUDE, BUT NOT BE LIMITED TO, COST SAVINGS, WRITTEN REASON FOR SUBSTITUTION AND A WRITTEN STATEMENT THAT IF THE SUBSTITUTION IS APPROVED, THERE WILL BE NO DELAY IN DELIVERY, CONSTRUCTION TIME OR COST TO OTHER TRADES.
23. PROVIDE ENGRAVED PLASTIC NAMEPLATES FOR ALL MAJOR PIECES OF EQUIPMENT. PLATES SHALL BE 3 PLY, BLACK FACE, WHITE CORE WITH 1/4" HIGH CONDENSED GOTHIC LETTERING. SCREW–ON ATTACHMENT ONLY. NO CEMENT.
24. PROVIDE THE OWNER WITH ONE (1) SET OF COMPLETE ELECTRICAL "AS–BUILTS" AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DEPTHS AND LOCATIONS.
25. WHERE A CONFLICT OCCURS BETWEEN THESE DRAWINGS AND THE SPECIFICATIONS ISSUED AS PART OF THESE DOCUMENTS, THE MORE STRINGENT REQUIREMENTS SHALL PREVAIL.
26. COORDINATE ALL ELECTRICAL WORK WITH THE OTHER TRADES. THE OWNER WILL MAKE NO SUBSEQUENT ALLOWANCE FOR ELECTRICAL WORK REQUIRED BY OTHER TRADES. OBTAIN ALL OTHER PERTINENT INFORMATION REQUIRED TO MEET ACTUAL BUILDING OR FIELD CONDITIONS.
27. ALL FINAL CONNECTIONS TO OWNER–FURNISHED EQUIPMENT SHALL BE MADE BY THE CONTRACTOR. CONNECTIONS TO ALL EQUIPMENT FURNISHED BY OTHERS SHALL BE COORDINATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGHING IN ALL CONDUIT TO THIS EQUIPMENT.
28. NOTIFY THE OWNER'S REPRESENTATIVE WHEREVER A DISCREPANCY IN QUANTITY OR SIZE OF CONDUIT, WIRE, EQUIPMENT DEVICES, CIRCUIT BREAKERS, TRANSFORMERS, GROUND FAULT PROTECTION SYSTEMS, ETC. (ALL MATERIALS) THAT ARISES ON THE DRAWINGS AND/OR SPECIFICATIONS. PROVIDE AND INSTALL ALL MATERIAL AND SERVICES REQUIRED BY THE STRICTEST CONDITIONS NOTED ON DRAWINGS AND/OR IN THE SPECIFICATIONS TO INSURE COMPLETE AND OPERABLE SYSTEMS AS REQUIRED BY THE OWNER AND ENGINEER.
29. ALL FEEDER AND BRANCH CIRCUITS SHALL BE PROVIDED WITH AN EQUIPMENT GROUNDING CONDUCTOR SIZED PER NEC, AND RUN IN THE SAME RACEWAY OR CONDUIT SUPPLYING SUCH FEEDER OR BRANCH CIRCUIT.
30. TRENCH AND BACKFILL AS REQUIRED TO PERFORM UNDERGROUND WORK. USE EXTREME CAUTION WHEN TRENCHING SO AS NOT TO INTERFERE WITH EXISTING UNDERGROUND UTILITIES. REPAIR ANY DAMAGES CAUSED BY UNDERGROUND TRENCHING.
31. PATCH AND REPAIR WALLS OR CEILINGS WHICH HAVE BEEN DAMAGED BECAUSE OF ELECTRICAL WORK.
32. CONDUIT SHALL NOT BE RUN THROUGH ANY STRUCTURAL MEMBER OF THE BUILDING, EXCEPT AS SPECIFICALLY DIRECTED BY THE OWNER'S REPRESENTATIVE. UNDER NO CIRCUMSTANCE SHALL CONDUIT RUN THROUGH COLUMNS, FOOTINGS OR GRADE BEAMS.
33. FOR ADDITIONAL ROUGH–IN AND WIRING REQUIREMENTS SEE MANUFACTURER'S INSTALLATION PLANS, WHICH ARE SUPPLEMENTAL TO AND PART OF THE ELECTRICAL WORK.
34. EXACT ROUTING OF ALL FEEDERS, CONDUITS, ETC. SHALL BE FIELD VERIFIED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. COORDINATE THE INSTALLATION WITH OTHER TRADES.
35. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF RECESSED, SURFACE OR PENDANT MOUNTED LIGHT FIXTURES.
36. COLD WATER PIPE GROUNDING BOND SHALL BE LOCATED WITHIN 5' OF BUILDING ENTRANCE.
37. CONTRACTOR SHALL VERIFY EXACT LOADS OF HVAC EQUIP. W/MECHANICAL ENGINEER AND HVAC UNIT MANUFACTURER PRIOR TO START OF WORK. IN CASE OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, INFORM ARCHITECT AND ELECTRICAL ENGINEER IN WRITING PRIOR TO PROCEEDING ANY FURTHER.
38. PIPES, DUCTS AND CONDUITS SHALL BE SUPPORTED AND BRACED PER THE S.M.A.C.N.A. "GUIDELINES FOR SEISMIC RESTRAINT OF MECHANICAL SYSTEMS AND PLUMBING & PIPING SYSTEMS".
39. ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:
    - A. EQUIPMENT ON GRADE – 20% OF OPERATING WEIGHT
    - B. EQUIPMENT ON STRUCTURE – 30% OF OPERATING WEIGHT
    - C. FOR FLEXIBLY MOUNTED EQUIPMENT USED FOUR (4) TIMES THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE ONE–THIRD (1/3) TIMES THE HORIZONTAL FORCE.
    - D. THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR I = 1.0 AND SEISMIC ZONE Z = 0.4
    - E. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER AND THE FIELD INSPECTOR.
40. ALL OUTLET RATINGS SHALL BE 20A UNLESS OTHERWISE NOTED.

ABBREVIATIONS

A	AMPS
AF	AMP FUSE (SIZE), AMP FRAME (SIZE)
AFCI	ARC FAULT CURRENT INTERRUPT
AFF	ABOVE FINISH FLOOR
AS	AMP SWITCH (SIZE)
AT	AMP TRIP
BC	BARE COPPER
C	CONDUIT
CB	CIRCUIT BREAKER
CIR	CIRCUIT
CO	CONDUIT ONLY, WITH PULL LINE
CU	COPPER
EB	EMERGENCY BATTERY PACK
EDF	ELECTRIC DRINKING FOUNTAIN
EM	EMERGENCY POWER
EMT	ELECTRICAL METALLIC TUBING
EX	EXISTING
EXP	EXPLOSION PROOF
F	FUSE
FLUOR	FLUORESCENT
G	GROUND CONDUCTOR
GFI	GROUND FAULT INTERRUPT PROTECTION
GND	GROUND
HT.	HEIGHT
I.G.	ISOLATED GROUND
IMC	INTERMEDIATE METALLIC CONDUIT
ISC	INTERRUPTING SHORT CIRCUIT
LCL	LONG CONTINUOUS LOAD
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MIN	MINIMUM
MLO	MAIN LUGS ONLY
NA	NON–AUTOMATIC
NEC	NATIONAL ELECTRICAL CODE
NKE	NO KNOWN EQUAL; NO SUBSTITUTES
NOM	NOMINAL
NTS	NOT TO SCALE
P	POLE
PH/ø	PHASE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
REQ'D	REQUIRED
RGS	RIGID GALVANIZED STEEL
SFM	STATE FIRE MARSHAL
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TYP	TYPICAL, UNLESS OTHERWISE NOTED, OF MANY
U.O.N.	UNLESS OTHERWISE NOTED OR INDICATED
V	VOLTS
WP	WEATHERPROOF
X	EXISTING TO REMAIN
XL	EXISTING TO BE RELOCATED
XN	NEW LOCATION OF RELOCATED EQUIPMENT
XR	EXISTING TO BE REMOVED
XFMR	TRANSFORMER

REGISTERED PROFESSIONAL ENGINEER EDUARDO A. ORTIZ No. E15809 Exp. 6/30/25 ELECTRICAL STATE OF CALIFORNIA

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
ANSI D

ISSUE DATE: 4/03/2024
PROJECT NO: 20214047.00

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SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

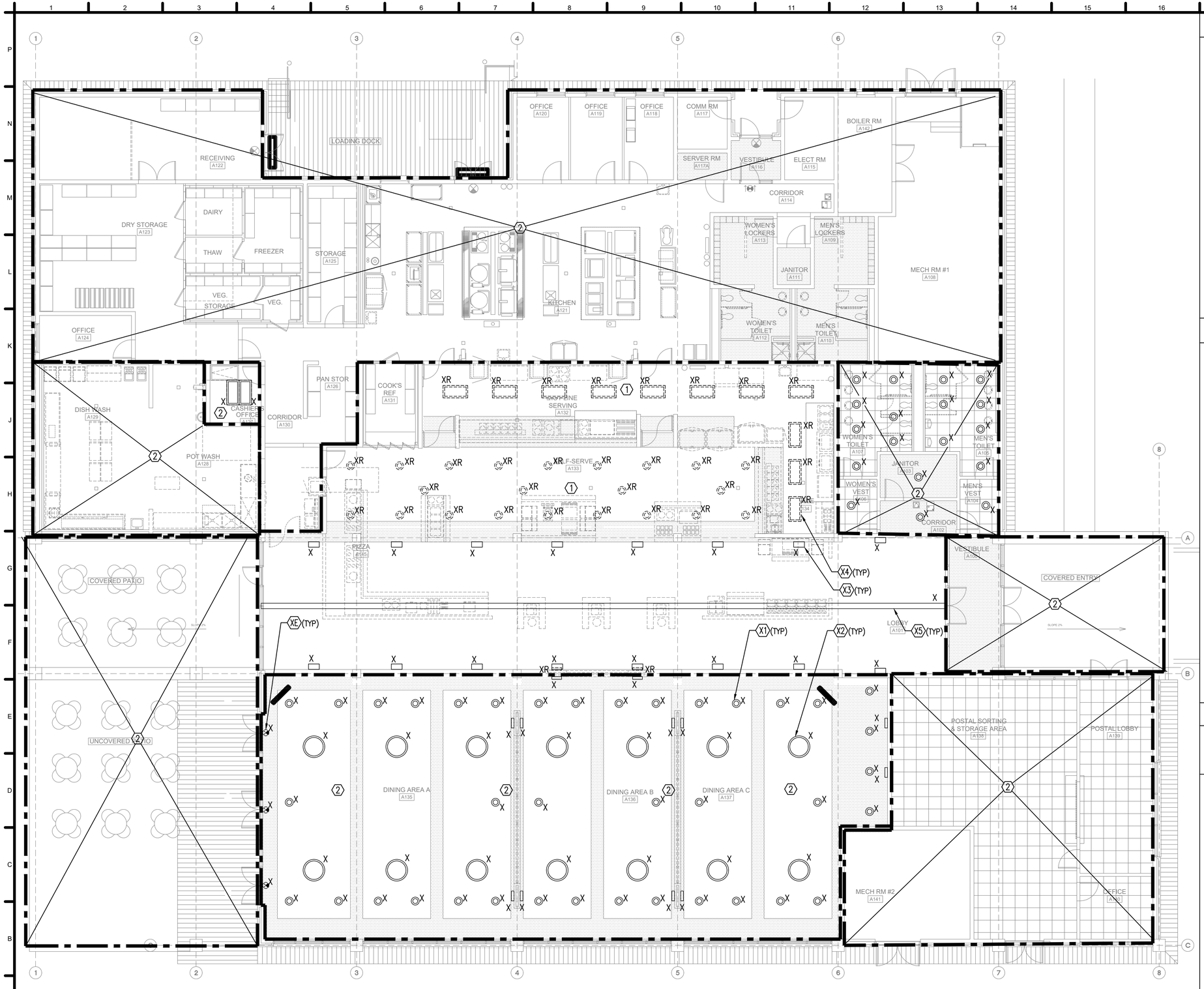
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

ELECTRICAL LEGEND AND GENERAL NOTES

GENERAL

E001

T:_2021\21197 SHAW AIR FORCE BASE SC DINING FACILITY\ELEC\21197_E001.DWG
DEBRA.COLEMAN
10:03:39 AM 4/2/2024



A1 LIGHTING DEMOLITION FIRST FLOOR PLAN

SCALE: 1/8" = 1' - 0"

PLAN NORTH

KEY NOTES

1 DISCONNECT AND REMOVE ALL LIGHT FIXTURES AND CONTROLS. RETAIN BRANCH CIRCUITING FOR RECONNECTION TO NEW LIGHT FIXTURES.

2 ALL LIGHTING AND CONTROLS IN THIS AREA ARE EXISTING TO REMAIN.

GENERAL NOTES

A. COORDINATE ALL CONSTRUCTION PHASING WITH ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO START OF WORK.

B. REFER TO DEMOLITION NOTES ON DRAWING E001 BEFORE START OF WORK.

ABBREVIATIONS

X	EXISTING TO REMAIN
XL	EXISTING TO BE RELOCATED
XN	NEW LOCATION OF RELOCATED EQUIPMENT
XR	EXISTING TO BE REMOVED

REGISTERED PROFESSIONAL ENGINEER EDUARDO A. SIVIRA No. E18809 Exp. 6/30/25 ELECTRICAL STATE OF CALIFORNIA

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
426 CHAPIN STREET
SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

LIGHTING DEMOLITION FIRST FLOOR PLAN

ELECTRICAL

ED101

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: AS NOTED ANSI D

ISSUE DATE: 4/03/2024

PROJECT NO: 20214047700

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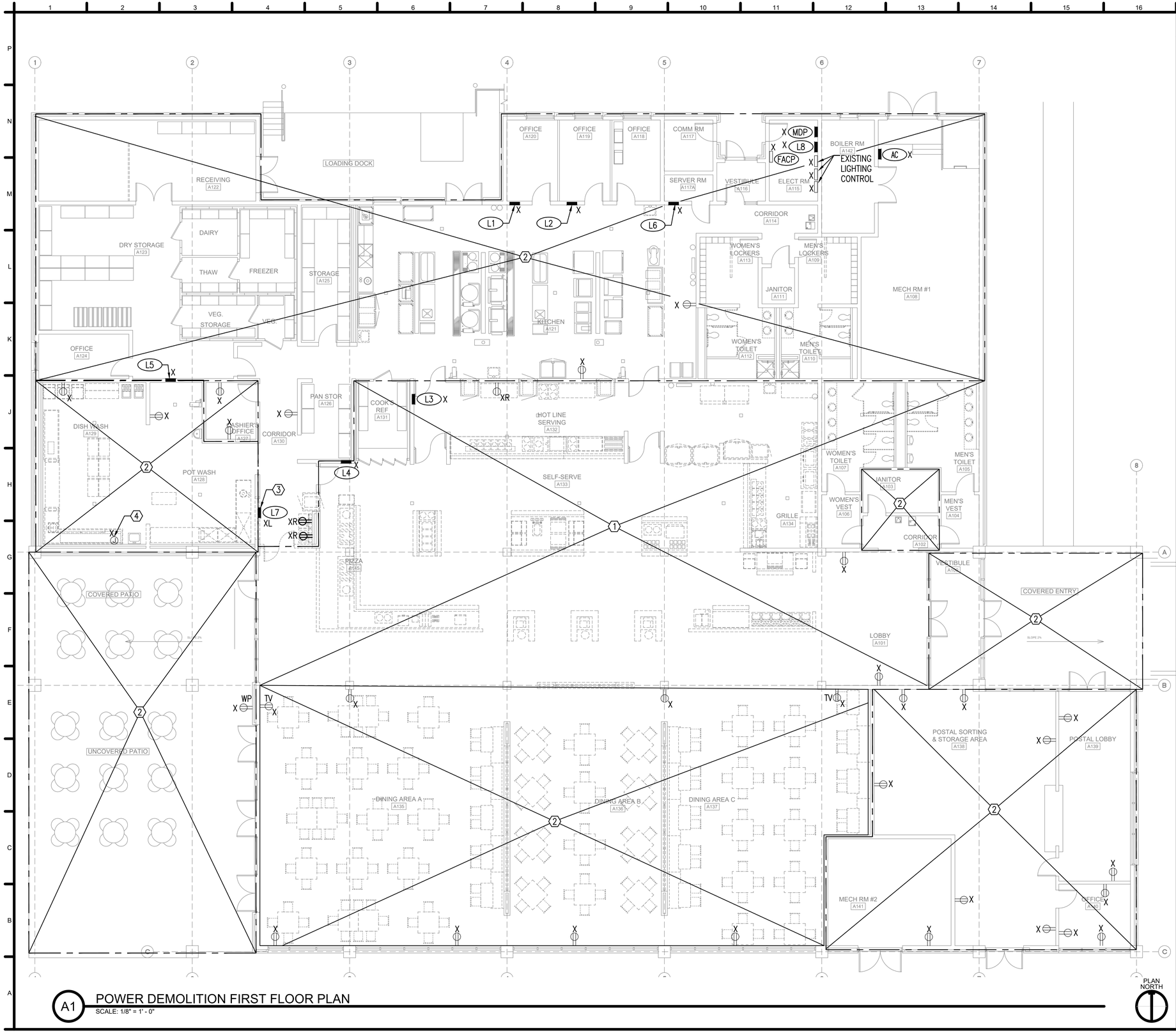
DEBRA COLEMAN



KEY NOTES

1. DISCONNECT AND REMOVE ALL POWER AND DATA RECEPTACLES AND ASSOCIATED CONDUCTORS BACK TO SOURCE.
2. ALL POWER AND DATA RECEPTACLES ARE EXISTING TO REMAIN, U.O.N.
3. EXISTING ELECTRICAL PANEL TO BE DISCONNECTED AND RELOCATED. EXTEND ALL ASSOCIATED CONDUITS AND CONDUCTORS TO THE NEW LOCATION.
4. DISCONNECT EXISTING RACK CONVEYOR DISHWASHER. EXISTING BRANCH CIRCUITING AND CONDUIT TO REMAIN FOR CONNECTION TO NEW RACK CONVEYOR DISHWASHER.

GENERAL NOTES

A. COORDINATE ALL CONSTRUCTION PHASING WITH ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO START OF WORK.

B. REFER TO DEMOLITION NOTES ON DRAWING E001 BEFORE START OF WORK.

ABBREVIATIONS

X	EXISTING TO REMAIN
XL	EXISTING TO BE RELOCATED
XN	NEW LOCATION OF RELOCATED EQUIPMENT
XR	EXISTING TO BE REMOVED

A1 POWER DEMOLITION FIRST FLOOR PLAN
SCALE: 1/8" = 1' - 0"

PLAN NORTH

REGISTERED PROFESSIONAL ENGINEER EDUARDO A. SIVIRA No. E18809 Exp. 6/30/25 ELECTRICAL STATE OF CALIFORNIA

4/03/2024 DATE
1 100% READY TO ADVERTISE (RFA) SUBMITTAL 4/03/2024
MARK DESCRIPTION DATE

DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: AS NOTED
ANSI/D

ISSUE DATE: 4/03/2024
PROJECT NO: 20212-042772-00

U.S. AIR FORCE SERVICES CENTER
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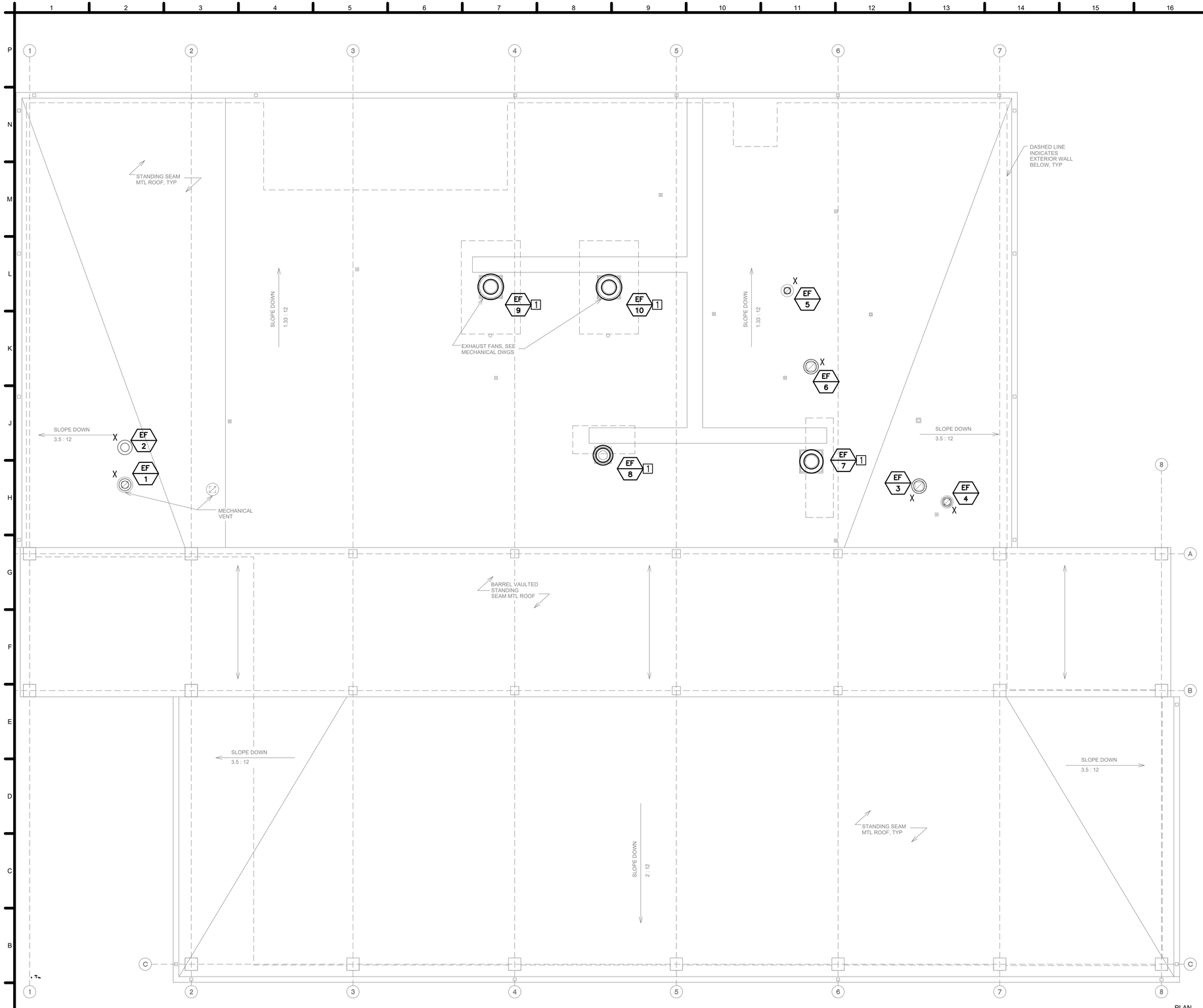
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

POWER DEMOLITION FIRST FLOOR PLAN

ELECTRICAL

ED102

F:__20212\2197 SHAW AIR FORCE BASE SC DINING FACILITY\ELEC\21197_ED102.DWG
DEBRA.COLEMAN
10:05:23 AM 4/2/2024



A1 ELECTRICAL DEMOLITION ROOF PLAN
SCALE: 1/8" = 1' - 0"

KEY NOTES

1 DISCONNECT EXISTING EXHAUST FAN. EXISTING BRANCH CIRCUITING AND DISCONNECT TO REMAIN FOR RECONNECTION TO NEW EXHAUST FAN.

GENERAL NOTES

A. COORDINATE ALL CONSTRUCTION PHASING WITH ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO START OF WORK.

B. REFER TO DEMOLITION NOTES ON DRAWING E001 BEFORE START OF WORK.

ABBREVIATIONS

X	EXISTING TO REMAIN
XL	EXISTING TO BE RELOCATED
XN	NEW LOCATION OF RELOCATED EQUIPMENT
XR	EXISTING TO BE REMOVED

REGISTERED PROFESSIONAL ENGINEER
EDARDO A. DAVID
No. E18809
Exp. 6/30/25
ELECTRICAL
STATE OF CALIFORNIA

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024
		1/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO: 20214047740.00

DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SIZE: ANSI D

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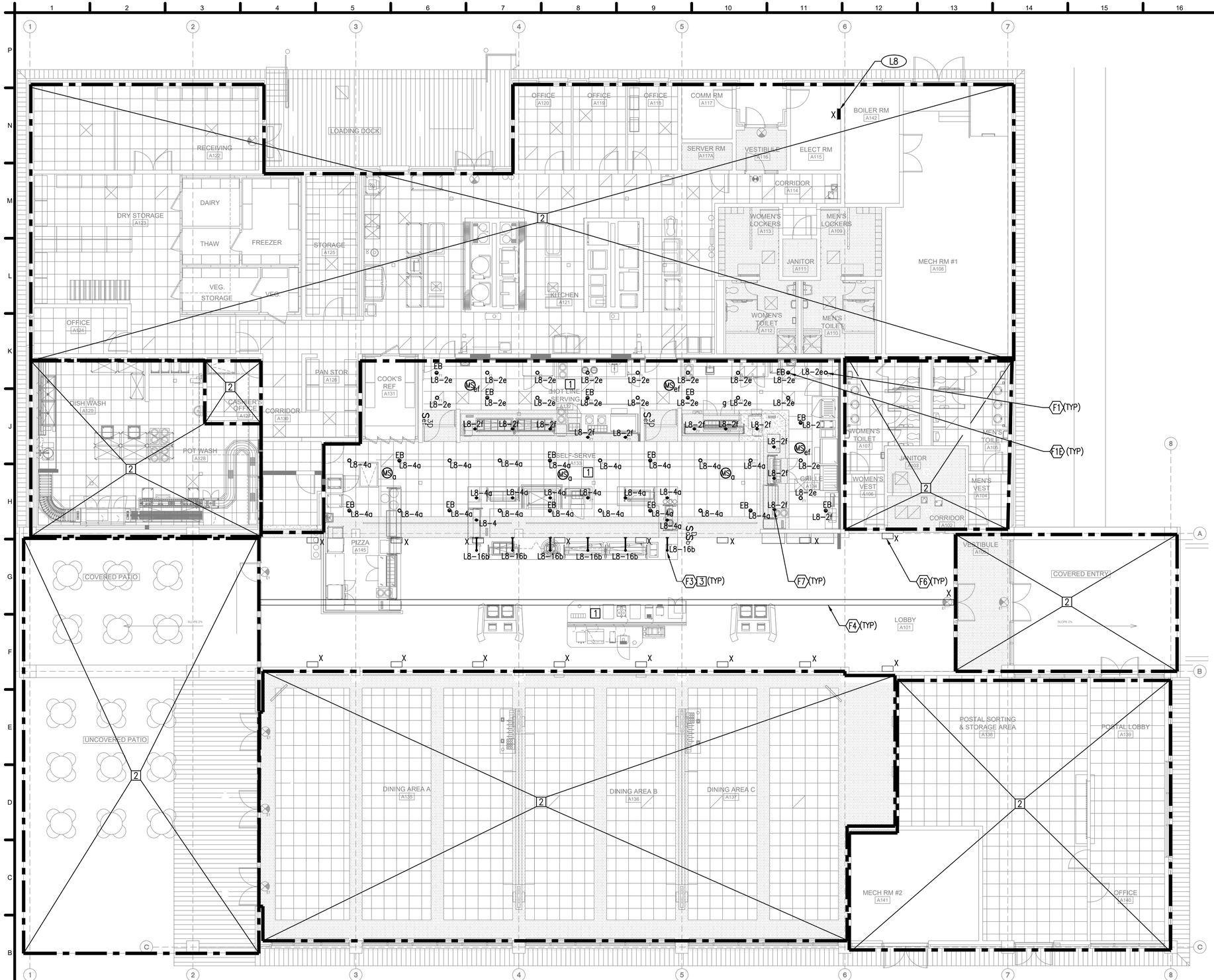
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

ELECTRICAL DEMOLITION ROOF PLAN

ELECTRICAL

ED103

I:__20212\2197 SHAW AIR FORCE BASE SC DINING FACILITY\ELEC\21197_ED103.DWG
DEBRA.COLEMAN
10:03:38 AM 4/2/2024



KEY NOTES

1 INTERCEPT AND EXTEND EXISTING CIRCUIT TO NEW LIGHTING FIXTURES.

2 ALL LIGHTING AND CONTROLS IN THIS AREA ARE EXISTING TO REMAIN.

3 PROVIDE WALL MOUNTING BRACKET. FOR MORE DETAILS PLEASE SEE SHEET E602.

GENERAL NOTES

A. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

B. ALL WORK SHOWN LIGHT IS EXISTING AND ALL WORK SHOWN DARK IS NEW UNLESS OTHERWISE NOTED.

ABBREVIATIONS

X	EXISTING TO REMAIN
XL	EXISTING TO BE RELOCATED
XN	NEW LOCATION OF RELOCATED EQUIPMENT
XR	EXISTING TO BE REMOVED

PLAN NORTH

A1 LIGHTING FIRST FLOOR PLAN
SCALE: 1/8" = 1' - 0"

#	MARK	DESCRIPTION	DATE
1		100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO: 2021A0277.00

DESIGNED BY: SOBE
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SUBMITTED BY: SOBE
SCALE: AS NOTED ANSI D

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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

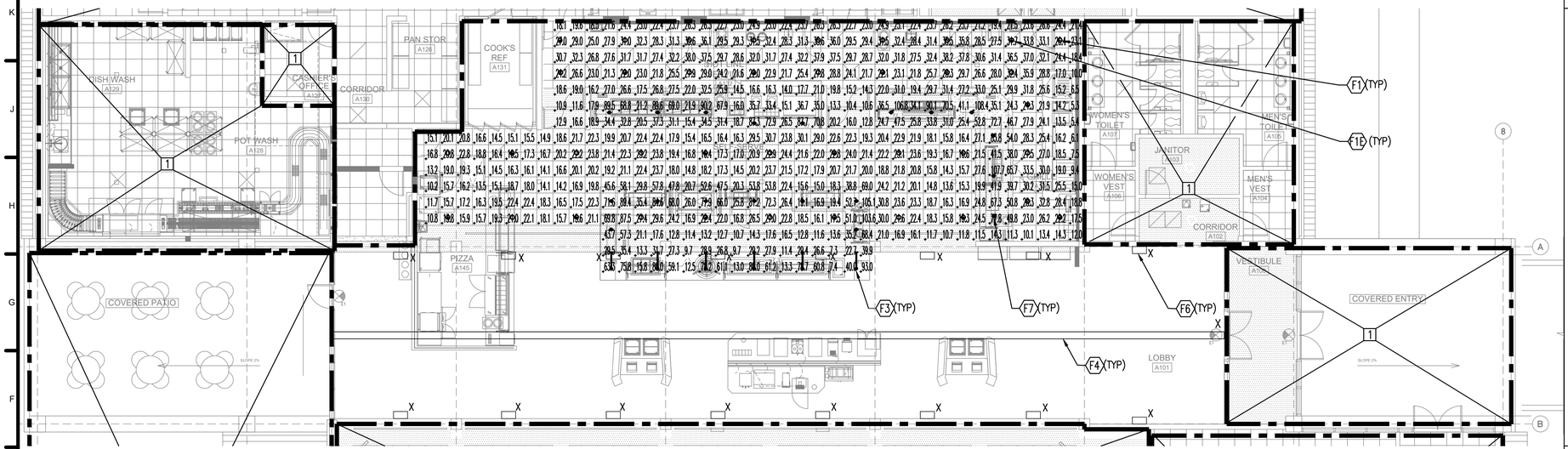
LIGHTING FIRST FLOOR PLAN

ELECTRICAL
E101

REGISTERED PROFESSIONAL ENGINEER
EDUARDO A. DAVILA
No. E18809
Exp. 6/30/25
ELECTRICAL
STATE OF CALIFORNIA

T:_2021\2197 SHAW AIR FORCE BASE SC DINING FACILITY\ELEC\2197_E101.DWG
10:09:53 AM 4/2/2024
DEBRA COLEMAN

Statistics					
Description	Avg	Max	Min	Max/Min	Avg/Min
Serving & Grille A132, A133,A134	28.3 fc	108.4 fc	5.3 fc	20.5:1	5.3:1



KEY NOTES

1 ALL LIGHTING AND CONTROLS IN THIS AREA ARE EXISTING TO REMAIN.

GENERAL NOTES

A. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

ABBREVIATIONS

X	EXISTING TO REMAIN
XL	EXISTING TO BE RELOCATED
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XR	EXISTING TO BE REMOVED

PLAN NORTH

A1 NORMAL PHOTOMETRICS
SCALE: 1/8" = 1' - 0"

REGISTERED PROFESSIONAL ENGINEER
EDUARDO A. DAVILA
No. E18809
Exp. 6/30/25
ELECTRICAL
STATE OF CALIFORNIA

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024
		10/3/2024

ISSUE DATE: 4/03/2024
PROJECT NO: 20214197.7400

DESIGNED BY:	SOBE
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SUBMITTED BY:	SOBE
SCALE:	ANSI D

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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

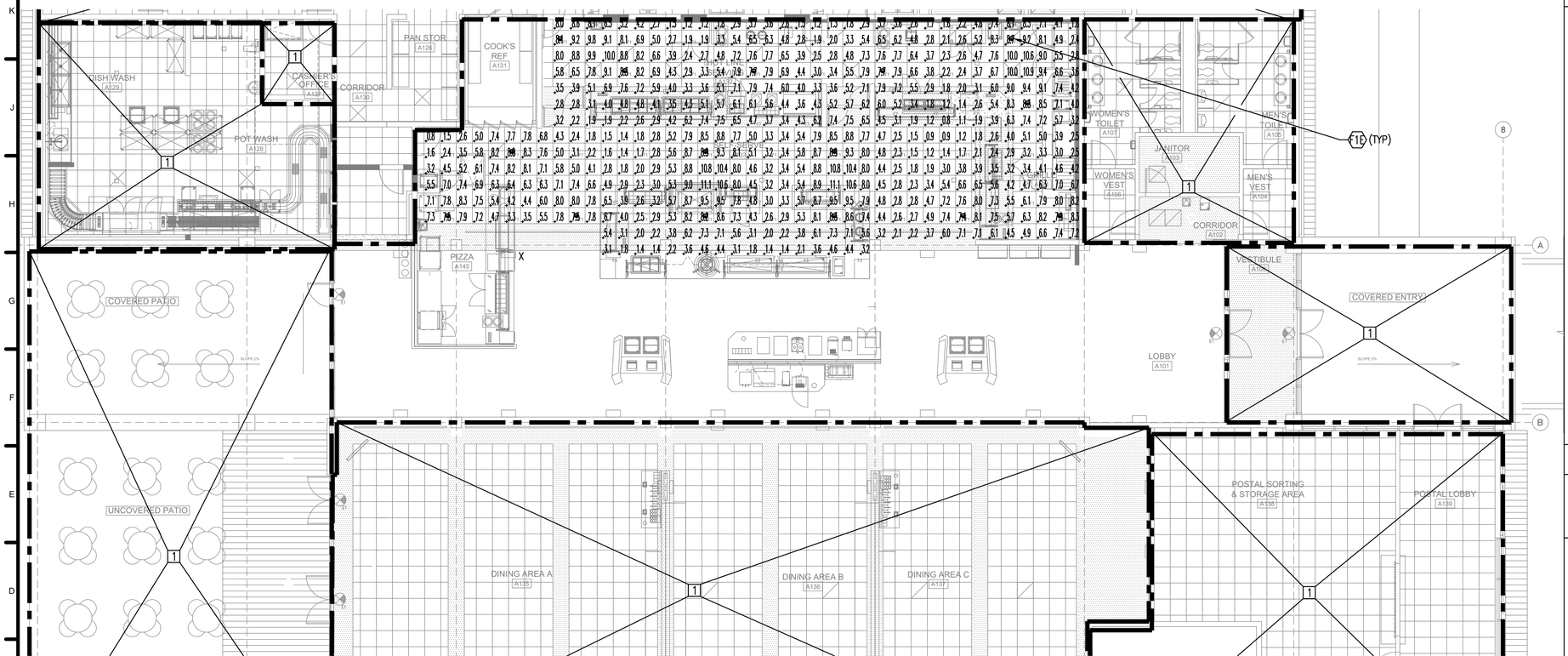
NORMAL PHOTOMETRICS

ELECTRICAL

E101PH

T:_202121197 SHAW AIR FORCE BASE SC DINING FACILITY\ELEC\21197_E101PH.DWG
10:04:03 AM 4/2/2024
DEBRA COLEMAN

Statistics					
Description	Avg	Max	Min	Max/Min	Avg/Min
Serving & Grille A132, A133,A134	5.2 fc	11.1 fc	0.8 fc	13.9:1	6.5:1



KEY NOTES

1 ALL LIGHTING AND CONTROLS IN THIS AREA ARE EXISTING TO REMAIN.

GENERAL NOTES

A. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

ABBREVIATIONS

X	EXISTING TO REMAIN
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XN	NEW LOCATION OF RELOCATED EQUIPMENT
XR	EXISTING TO BE REMOVED

PLAN NORTH

A1 EGRESS PHOTOMETRICS
SCALE: 1/8" = 1' - 0"

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	03/2024
		04/03/2024

DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: ANSI D

ISSUE DATE: 4/03/2024
PROJECT NO: 20214047740

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SHAW AFB, SC 29152

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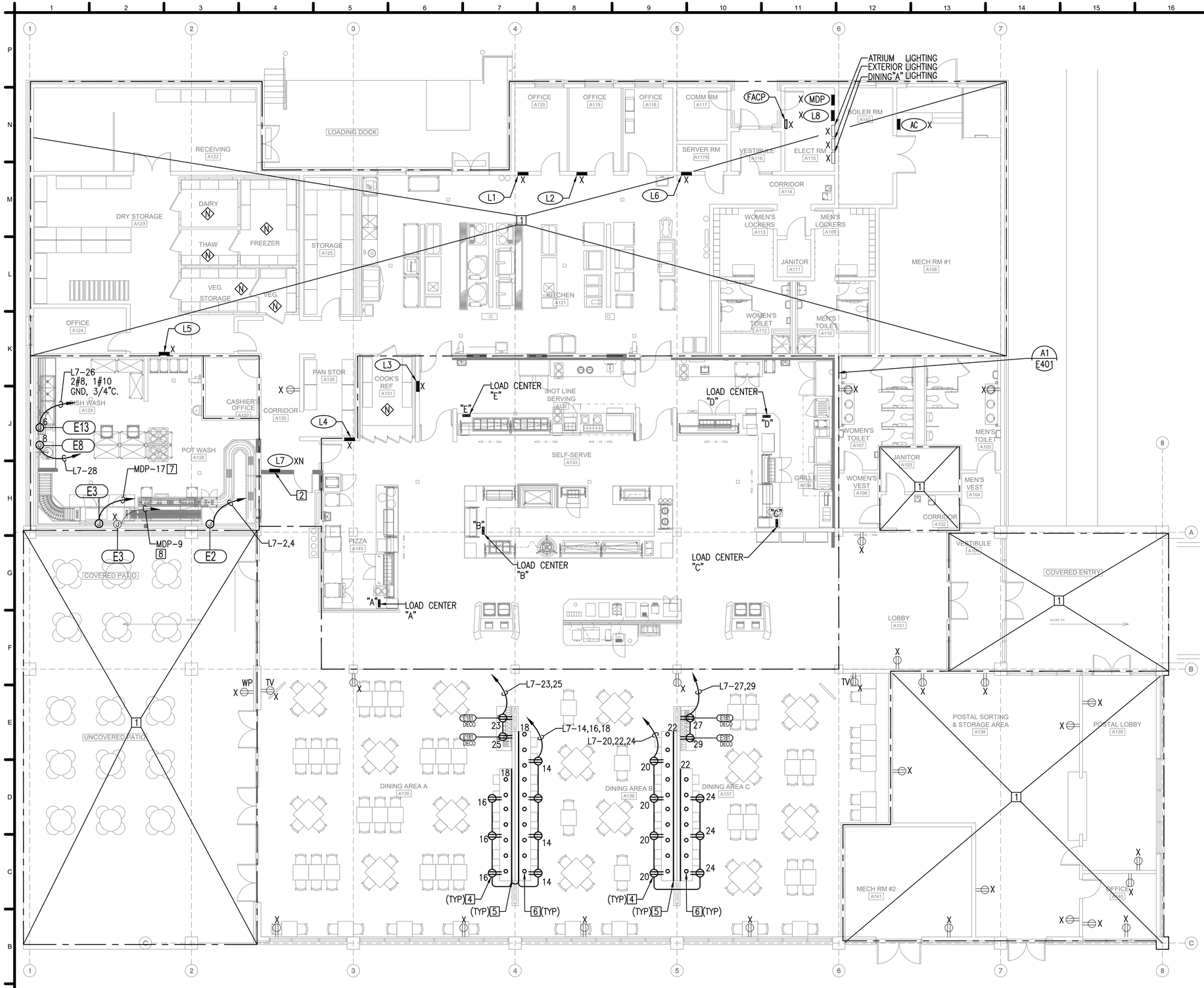
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

EGRESS PHOTOMETRICS

REGISTERED PROFESSIONAL ENGINEER
EDUARDO A. DAVILA
No. E18809
Exp. 6/30/25
ELECTRICAL
STATE OF CALIFORNIA

ELECTRICAL
E101.1
PH

T:__2021\21197 SHAW AIR FORCE BASE SC DINING FACILITY\ELEC\21197_E101.1PH.DWG
10:09:46 AM 4/2/2024
DEBRA COLEMAN



A1 POWER FIRST FLOOR PLAN
SCALE: 1/8" = 1' - 0"

PLAN NORTH

KEY NOTES

1 ALL POWER AND DATA RECEPTACLES ARE EXISTING TO REMAIN, U.O.N.

2 EXISTING PANEL AT NEW LOCATION. INTERCEPT AND EXTEND ALL ASSOCIATED CONDUITS AND CONDUCTORS TO THE NEW LOCATION.

3 NOT USED.

4 MOUNT RECEPTACLE FOR WIRELESS CHARGING PAD BELOW THE TABLE.

5 MULTI-OUTLET PLUGMOLD IN ALUMINUM HOUSING WITH ALTERNATING 15A TAMPER-RESISTANT RECEPTACLE AND DUAL USB PORTS IN 9" SPACING BY WIREMOLD, CATALOG #AL20GB5069TRUSBA OR EQUAL. MOUNT ABOVE TABLE. SEE ARCHITECTURAL SHEETS A1/A604 FOR MOUNTING HEIGHT.

6 RECESSED MOUNTED Qi STANDARD COMPLIANT, 15W WIRELESS CHARGING PAD BY KRAMER, MODEL #KWC-1 OR EQUIVALENT. PROVIDE WITH 120V POWER ADAPTER AND POWER CORD. PLUG TO RECEPTACLE BELOW TABLE. MOUNT WIRELESS CHARGING AT 30" O.C. ALONG THE LENGTH OF THE KNUCKLE BARS.

7 PREWIRED KITCHEN EQUIPMENT. COORDINATE WITH FOOD SERVICE DRAWINGS. REFER TO SINGLE LINE DIAGRAM SHEET E601 FOR CONDUCTORS SIZE.

8 CONNECT NEW RACK CONVEYOR DISHWASHER TO EXISTING BRANCH CIRCUITING.

GENERAL NOTES

A. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

B. ALL WORK SHOWN LIGHT IS EXISTING AND ALL WORK SHOWN DARK IS NEW UNLESS OTHERWISE NOTED.

ADD/ALTERNATES

N. ALTERNATIVE PRICE TO INSTALL ALARMS IN EXISTING WALK-IN COOLERS AND FREEZERS AS REQUIRED BY AFMAN91-203, 2.9 AT THE DFAC KITCHEN. DEFAULT IS TO REMAIN AS IS.

ABBREVIATIONS

X	EXISTING TO REMAIN
XL	EXISTING TO BE RELOCATED
XN	NEW LOCATION OF RELOCATED EQUIPMENT
XR	EXISTING TO BE REMOVED

REGISTERED PROFESSIONAL ENGINEER
EDARDO A. DAVID
No. E18809
Exp. 6/30/25
ELECTRICAL
STATE OF CALIFORNIA

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO: 20214047700
DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: AS NOTED ANSI D

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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

POWER FIRST FLOOR PLAN

ELECTRICAL
E102

T:_2021\21197 SHAW AIR FORCE BASE SC DINING FACILITY\ELEC\21197_E102.DWG
DEBRA.COLEMAN
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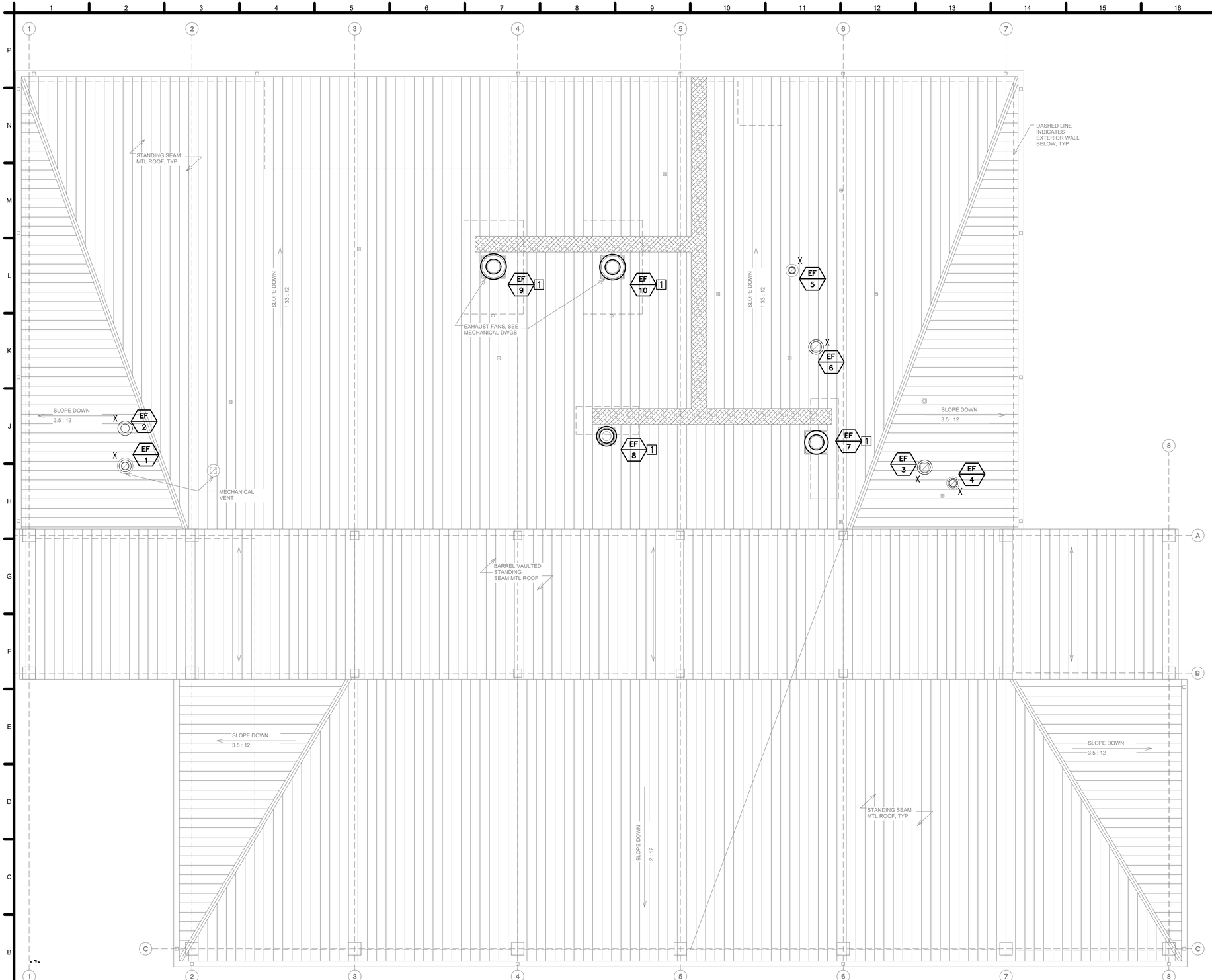

KEY NOTES

1 CONNECT NEW EXHAUST FAN TO EXISTING BRANCH CIRCUITING AND EXISTING DISCONNECT SWITCH.

GENERAL NOTES

A. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

ABBREVIATIONS

X	EXISTING TO REMAIN
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XR	EXISTING TO BE REMOVED

PLAN NORTH

A1 ELECTRICAL ROOF PLAN
SCALE: 1/8" = 1' - 0"

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021242772-00

DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: ANSI D

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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

ELECTRICAL ROOF PLAN

REGISTERED PROFESSIONAL ENGINEER
EDUARDO A. DAVILA
No. E18809
Exp. 6/30/25
ELECTRICAL
STATE OF CALIFORNIA

ELECTRICAL
E103

T:_2021\21197 SHAW AIR FORCE BASE SC DINING FACILITY\ELEC\21197_E103.DWG
DEBRA.COLEMAN
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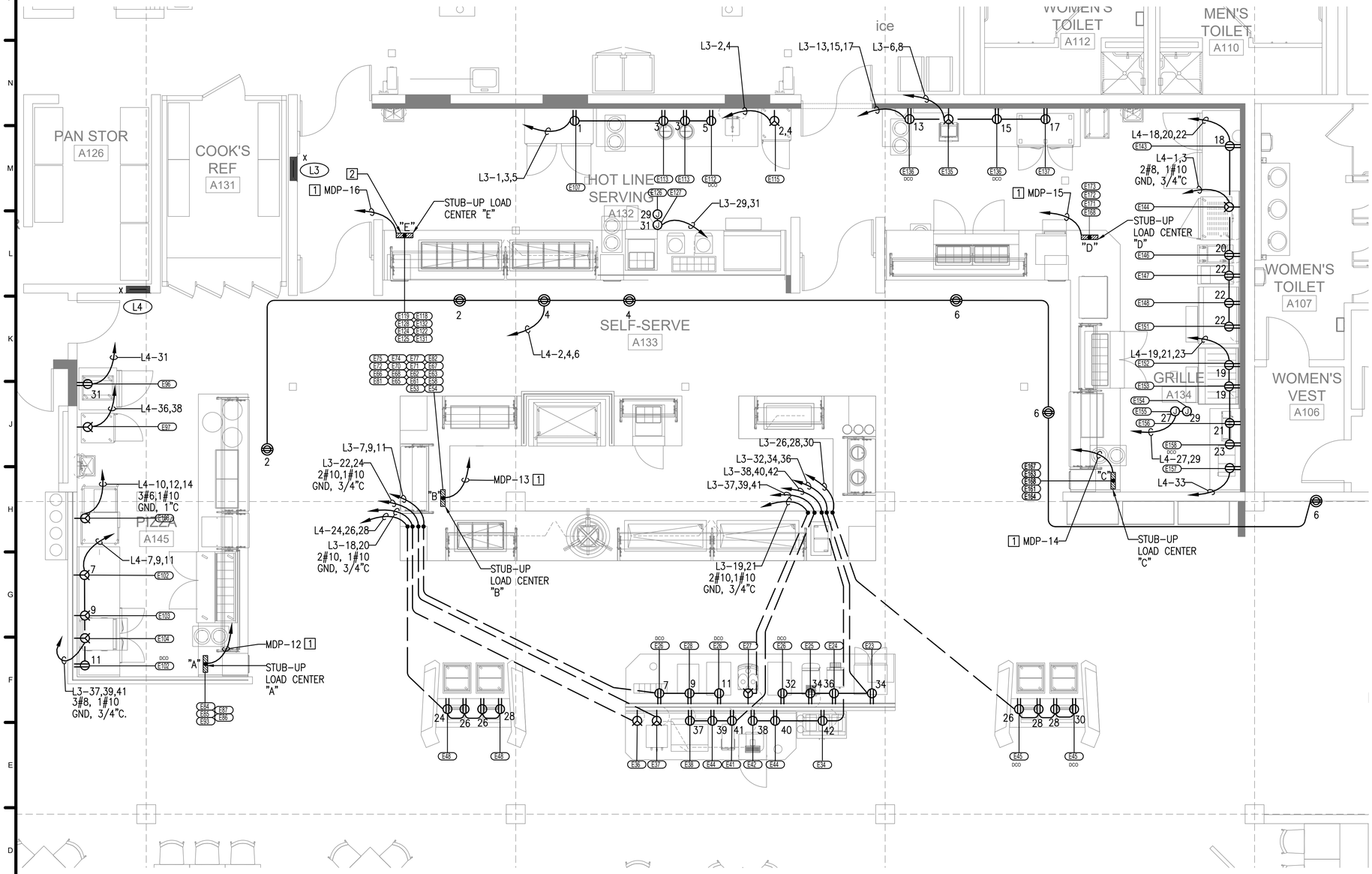

A1 POWER ENLARGED FIRST FLOOR PLAN
SCALE: 1/4" = 1' - 0"

PLAN NORTH

KEY NOTES

1 KITCHEN EQUIPMENT PREWIRED LOAD CENTER. COORDINATE WITH FOOD SERVICE DRAWINGS. REFER TO SINGLE LINE DIAGRAM SHEET E601 FOR CONDUCTORS SIZE.

2 PROVIDE LOAD CENTER WITH MAIN CIRCUIT BREAKER WITH 120V SHUNT TRIP. PROVIDE 20A/1P CIRCUIT BREAKER TO FEED SHUNT TRIP. CONNECT SHUNT TRIP TO FIRE SUPPRESSION SYSTEM.

GENERAL NOTES

A. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

B. VERIFY EXACT QUANTITIES, LOCATIONS AND HEIGHTS OF ALL OUTLETS WITH TENANT AND ARCHITECT PRIOR TO START OF WORK.

C. FIELD VERIFY AND COORDINATE WITH MECHANICAL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT AND REQUIREMENTS PRIOR TO START OF WORK.

D. REFER TO GENERAL KITCHEN NOTES.

KITCHEN NOTES

A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

B. CONTRACTOR SHALL VERIFY EXACT QUANTITIES, LOCATIONS AND HEIGHTS OF ALL OUTLETS WITH NEC AND 56 CE AND ARCHITECT PRIOR TO START OF WORK.

C. CONTRACTOR SHALL FIELD VERIFY AND COORDINATE WITH MECHANICAL DRAWINGS FOR EXACT EQUIPMENT LOCATIONS AND REQUIREMENTS PRIOR TO START OF WORK.

D. MECHANICAL EQUIPMENT FUSE SIZE RATINGS PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.

E. ALL MECHANICAL EQUIPMENT FUSIBLE DISCONNECTS AND MOTOR RATED SWITCHES EXPOSED TO WEATHER SHALL BE WEATHERPROOF RATED.

F. PROVIDE DEDICATED NEUTRAL FOR EACH BRANCH CIRCUIT.

G. COORDINATE ALL WORK WITH KITCHEN EQUIPMENT PROVIDER FOR EXACT REQUIREMENTS AND LOCATION PRIOR TO ROUGH-IN.

H. REFER TO KITCHEN EQUIPMENT SCHEDULE SHEET AND FOOD SERVICE EQUIPMENT DRAWINGS AND LAYOUT PROVIDED BY KITCHEN SUPPLIER. IN CASE OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, INFORM ARCHITECT AND ENGINEER IN WRITING BEFORE PROCEEDING FURTHER.

I. CONTRACTOR SHALL COORDINATE AND VERIFY EXACT LOCATIONS AND REQUIRED HEIGHTS OF ALL ELECTRICAL OUTLETS WITH FOOD SERVICE DRAWINGS AND OTHER RELATED TRADES PRIOR TO START OF WORK.

J. CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS AND PROVIDE NECESSARY CONTROLS TO ALL KITCHEN EQUIPMENT.

K. ALL 120V RECEPTACLES LOCATED IN KITCHEN AREAS SHALL BE OF GFI TYPE.

L. COORDINATE EXHAUST HOOD AND MAKE-UP AIR UNIT WITH CAPTIVEAIRE PLANS PRIOR TO START OF WORK.

M. FOR NON ACCESSIBLE GFI RECEPTACLES, PROVIDE GFI PROTECTED BREAKER AT PANELBOARD.

N. ALL EQUIPMENT AND MATERIAL SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS AND SHALL BE CODE COMPLIANT.

O. ALL WIRING SHALL INCLUDE INSULATED GROUND WIRE, SIZED PER NEC.

EDUARDO A. DAVILA No. E18809 Exp. 6/30/25 ELECTRICAL STATE OF CALIFORNIA

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	10/3/2024
		10/3/2024

ISSUE DATE: 4/03/2024
DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: AS NOTED ANSI D
PROJECT NO.: 20214047740.00

U.S. AIR FORCE SERVICES CENTER
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SAUL OBRIEN
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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

POWER ENLARGED FIRST FLOOR PLAN

ELECTRICAL

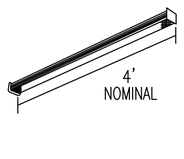
E401

T:_2021\21197 SHAW AIR FORCE BASE SC DINING FACILITY\ELEC\21197_E401.DWG
10:04:24 AM 4/2/2024
DEBRA COLEMAN

LUMINAIRE REQUIREMENTS:

1. HOUSING – HIGH-IMPACT, UV-STABILIZED, INJECTION-MOLDED THERMOPLASTIC. SINGLE OR DOUBLE-FACED AS INDICATED.
2. FINISH WHITE WITH WHITE FACE.
3. LETTERS/CHEVRONS – MINIMUM 6" HIGH WITH 3/4" STROKE. GREEN LETTERS. PROVIDE CHEVRONS AS INDICATED EITHER LEFT, RIGHT OR BOTH DIRECTIONS AS INDICATED. CHEVRONS PUNCHED OUT THROUGH HOUSING AS REQUIRED.
4. EMERGENCY PACK – SOLID-STATE, CONSTANT-CURRENT BATTERY CHARGER WITH MAINT-FREE, NICKEL-CADMIUM BATTERY, AC-ON INDICATOR LAMP, TEST SWITCH AND SELF DIAGNOSTICS.
5. MOUNTING – UNIVERSAL MOUNTING KIT FOR CEILING, WALL OR END-OF-FIXTURE MOUNTING.
6. ILLUMINATION – BY GREEN HIGH-OUTPUT LEDS INSIDE FIXTURE HOUSING. PROVIDE DIFFUSER IN COLOR INDICATED WITH FREQUENCY MATCHED SILK SCREEN FOR MAXIMUM LED OUTPUT.
7. CERTIFICATION – UL LISTED AND CERTIFIED FOR DAMP LOCATIONS.

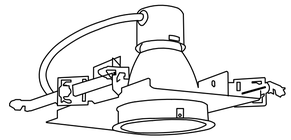
L17 EXIT SIGN DETAIL
NOT TO SCALE



LUMINAIRE REQUIREMENTS:

1. HOUSING – DIE-FORMED, COLD-ROLLED STEEL, WITH REINFORCEMENT RIBS FOR RIGIDITY. ENDCAPS SHALL BE SAME MATERIAL AS HOUSING, SECURED WITH TABS, SCREWS OR RIVETS. FIXTURE SHALL NOT PERMANENTLY DEFORM OUT OF "SQUARE" WHEN PICKED UP FROM ANY CORNER.
2. FINISH – MULTI-STAGE PHOSPHATE BONDING TREATMENT FINISHED WITH HIGH REFLECTANCE (MINIMUM 85%), BAKED WHITE ENAMEL FINISH.
3. LENS – 100% ACRYLIC, CLEAR PRISMATIC, LINEAR SIDE PRISMS AND PYRAMIDAL BOTTOM PRISMS FOR BRIGHTNESS CONTROL AND MINIMAL LAMP IMAGING, RESPECTFULLY. LENS SHALL BE CAPABLE OF BEING HINGED FROM EITHER SIDE.
4. CERTIFICATION – UL LISTED AND LABELED.
5. LAMP SOURCE: LED DIODES. SEE LIGHTING FIXTURE SCHEDULE.
6. FIXTURE UL 924 LISTED EQUIPPED WITH EMERGENCY BATTERY BACK-UP.

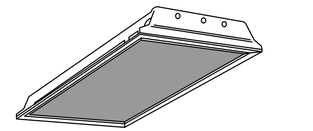
E9 SURFACE LINEAR FIXTURE DETAIL
NOT TO SCALE



LUMINAIRE REQUIREMENTS:

1. HOUSING – DIE-FORMED, COLD-ROLLED STEEL, OR ACRYLIC-ENAMELED ALUMINUM. PROVIDE WITH PRE-WIRED JUNCTION BOX WITH SNAP-ON ACCESS COVER. ALL COMPONENTS MUST BE ACCESSIBLE FROM BOTTOM OF LUMINAIRE. PROVIDE T-BAR HANGERS FOR INSTALLATION IN ACOUSTICAL TILE CEILINGS OR TABS WHEN MOUNTING IN HARD CEILINGS.
2. REFLECTOR AND TRIM – SPECIFICATION GRADE, LOW IRIDESCENT, SPECULAR ALUMINUM REFLECTOR WITH METALLIC OR PAINTED TRIM RING.
3. LIGHT SOURCE –LED DIODES. SEE LIGHTING FIXTURE SCHEDULE
4. DRIVER – PROGRAMMED DRIVER, THERMALLY-PROTECTED, HIGH POWER FACTOR (>0.9), ELECTRONIC TYPE WITH <20% THD AND 'A' SOUND RATING. FULLY DIMMABLE WHEN INDICATED.
5. CERTIFICATION – UL 1598, DAMP LOCATION, UL 924 WHEN EQUIPPED WITH EMERGENCY BATTERY BACK-UP.
6. MOUNTING – RECESSED IN HARD OR ACOUSTICAL TILE CEILING.
7. PROVIDE (2)-#12 GAUGE HANGER WIRES INSTALLED DIRECTLY FROM STRUCTURE ABOVE TO DIAGONALLY OPPOSITE CORNERS OF FIXTURE HOUSING.
8. TYPE F3E: – UL 924 EQUIPPED WITH EMERGENCY BATTERY BACK-UP.
9. TYPE F8: – U.L. LISTED FOR WET LOCATION

E13 RECESSED DOWNLIGHT DETAIL
NOT TO SCALE



LUMINAIRE REQUIREMENTS: LED TROFFER

1. HOUSING – DIE-FORMED, COLD ROLLED STEEL, WITH ONE-PIECE LOWER REFLECTOR HAVING TEXTURED, HIGH REFLECTANCE, WHITE POLYESTER POWDER-COATED FINISH. OPTIONAL SIZES OF 1FTx4FT, AND 2FTx4FT AVAILABLE.
2. LIGHT SOURCE – LEDS WITH DIFFUSE LENS TO ELIMINATE DIRECT VIEW OF LIGHT SOURCE. 3500K COLOR TEMPERATURE UON, MINIMUM EFFICACY OF 90 LUMENS/WATT, WITH A MINIMUM CRI OF 80. INITIAL LUMEN OUTPUT AS INDICATED IN LUMINAIRE SCHEDULE.
4. DRIVER – REPLACEABLE, INTEGRAL, HIGH-EFFICIENCY DRIVER WITH MINIMUM 0.9 PF, OPERATING VOLTAGE OF 120-277V, THERMAL MANAGEMENT, < 20% TOTAL HARMONIC DISTORTION. FULLY DIMMABLE AS INDICATED IN LUMINAIRE SCHEDULE.
5. CERTIFICATION – UL 1598, DAMP LOCATION, DLC QUALIFIED, AND ROHS COMPLIANT. COMPLIES WITH LM79, LM80 AND TM21 TESTING STANDARDS.
6. MOUNTING – RECESSED IN SUSPENDED ACOUSTICAL TILE OR HARD CEILING.
7. TYPE F7E AND F1E: – UL 924 EQUIPPED WITH EMERGENCY BATTERY BACK-UP.
8. TYPE F1 AND F1E: SIMILAR TO F7 AND F7E EXCEPT 1'x4'

E17 2X4 FIXTURE DETAIL
NOT TO SCALE

A1 NOT USED
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
EDUARDO A. DAVILA
No. E18809
Exp. 6/30/25
ELECTRICAL
STATE OF CALIFORNIA

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024
		10/3/2024

ISSUE DATE: 4/03/2024
PROJECT NO.: 20216427700

DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: AS NOTED ANSI D

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

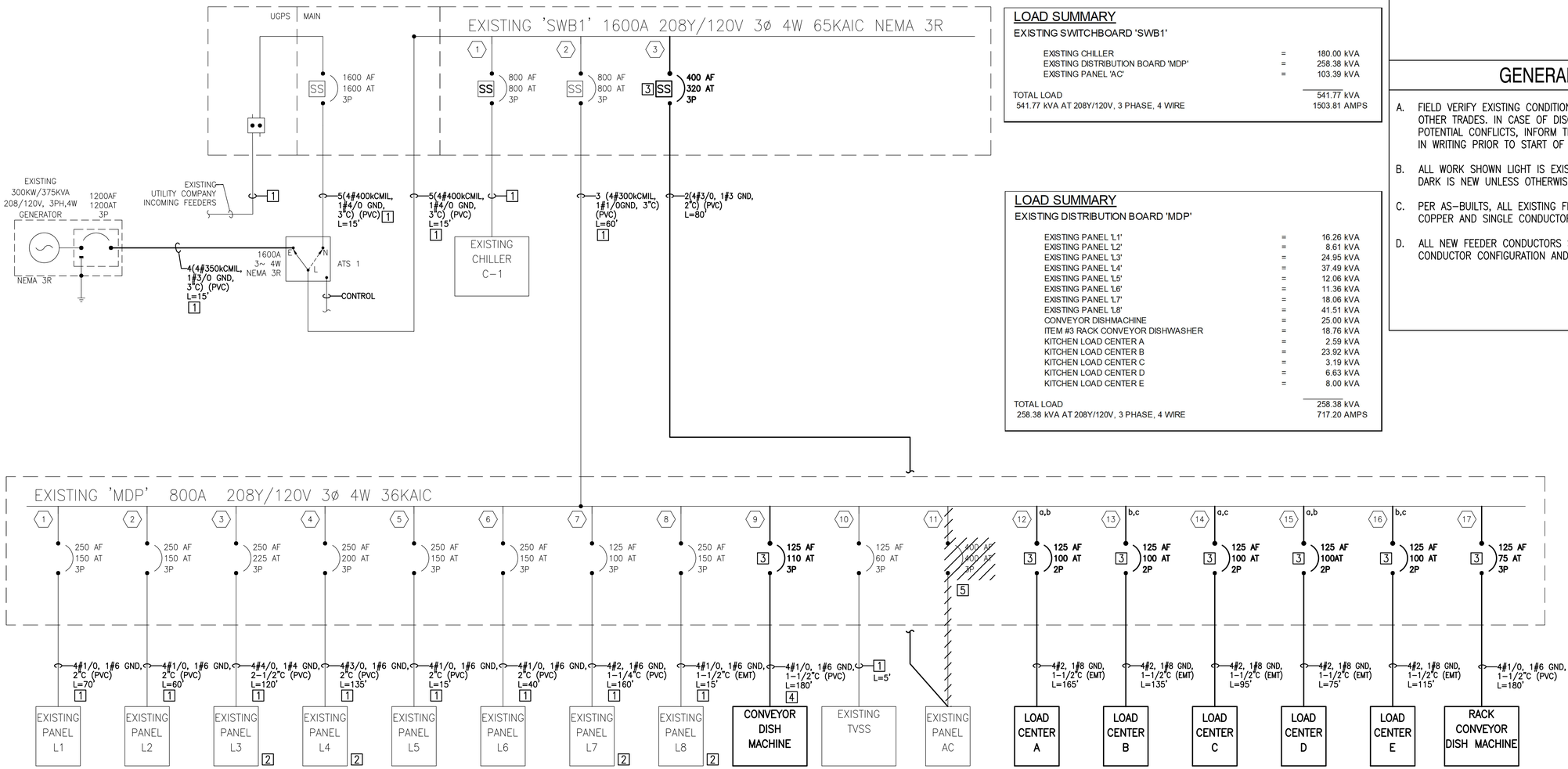
SALAS O'BRIEN
1515 PARK ROW
SUITE 125
HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

ELECTRICAL DETAILS

ELECTRICAL
E501

T:_2021\21197 SHAW AIR FORCE BASE SC DINING FACILITY\ELEC\21197_E501.DWG
DEBRA.COLEMAN
10:04:28 AM 4/2/2024



LOAD SUMMARY

EXISTING SWITCHBOARD 'SWB1'

EXISTING CHILLER	=	180.00 kVA
EXISTING DISTRIBUTION BOARD 'MDP'	=	258.38 kVA
EXISTING PANEL 'AC'	=	103.39 kVA
TOTAL LOAD		541.77 kVA
541.77 kVA AT 208Y/120V, 3 PHASE, 4 WIRE		1503.81 AMPS

LOAD SUMMARY

EXISTING DISTRIBUTION BOARD 'MDP'

EXISTING PANEL 'L1'	=	16.26 kVA
EXISTING PANEL 'L2'	=	8.61 kVA
EXISTING PANEL 'L3'	=	24.95 kVA
EXISTING PANEL 'L4'	=	37.49 kVA
EXISTING PANEL 'L5'	=	12.06 kVA
EXISTING PANEL 'L6'	=	11.36 kVA
EXISTING PANEL 'L7'	=	18.06 kVA
EXISTING PANEL 'L8'	=	41.51 kVA
CONVEYOR DISHMACHINE	=	25.00 kVA
ITEM #3 RACK CONVEYOR DISHWASHER	=	18.76 kVA
KITCHEN LOAD CENTER A	=	2.59 kVA
KITCHEN LOAD CENTER B	=	23.92 kVA
KITCHEN LOAD CENTER C	=	3.19 kVA
KITCHEN LOAD CENTER D	=	6.63 kVA
KITCHEN LOAD CENTER E	=	8.00 kVA
TOTAL LOAD		258.38 kVA
258.38 kVA AT 208Y/120V, 3 PHASE, 4 WIRE		717.20 AMPS

KEY NOTES

1. EXISTNG FEEDERS TO REMAIN.
2. EXISTING PANEL WITH REVISED LOADS.
3. PROVIDE NEW CIRCUIT BREAKER IN EXISTING SPACE OF THE SAME TYPE, STYLE AND AIC RATING AS EXISTING. PROVIDE MOUNTING AS REQUIRED.
4. INTERCEPT AND EXTEND EXISTING BRANCH CIRCUIT TO NEW CONVEYOR DISHMACHINE.
5. DISCONNECT AND REMOVE WORK SHOWN CROSS-HATCHED.

GENERAL NOTES

A. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

B. ALL WORK SHOWN LIGHT IS EXISTING AND ALL WORK SHOWN DARK IS NEW UNLESS OTHERWISE NOTED.

C. PER AS-BUILTS, ALL EXISTING FEEDER CONDUCTORS ARE COPPER AND SINGLE CONDUCTOR CONFIGURATION.

D. ALL NEW FEEDER CONDUCTORS SHALL BE COPPER, SINGLE CONDUCTOR CONFIGURATION AND THWN/THHN INSULATION.

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024
		4/03/2024

ISSUE DATE: 4/03/2024
DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: AS NOTED ANSI D
PROJECT NO.: 20211242777400

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

SINGLE LINE DIAGRAM

ELECTRICAL

E601

REGISTERED PROFESSIONAL ENGINEER
EDUARDO A. OVIEDO
No. E18809
Exp. 6/30/25
ELECTRICAL
STATE OF CALIFORNIA

T:_2021\21197 SHAW AIR FORCE BASE SC DINING FACILITY\ELEC\21197_E601.DWG
10:04:39 AM 4/2/2024
DEBRA COLEMAN

A1 SINGLE LINE DIAGRAM
SCALE: NONE

FLOUR

EXISTING LIGHTING FIXTURE SCHEDULE

FIXT DES	SYMBOL	LAMP TYPE	FIXTURE MOUNTING	LAMP DESC	WATTS	VOLTS	MFR/CATALOG	DESCRIPTION
X1		FLUOR	RECESSED	–	–	120	EXISTING	6" DOWNLIGHT FIXTURE
X2		FLUOR	PENDANT	–	–	120	EXISTING	24" PENDANT DOWNLIGHT FIXTURE
X3		FLUOR	WALL	–	–	120	EXISTING	WALL MOUNTED UP LIGHT FIXTURE
X4		FLUOR	RECESSED	–	–	120	EXISTING	2X4 RECESSED LIGHT FIXTURE
X5		FLUOR	PENDANT	–	–	120	EXISTING	FULL LENGTH UPLIGHT LINEAR PENDANT.
XE		FLUOR	SURFACE	–	–	120	EXISTING	SURFACE MOUNTED EXIT SIGN FIXTURE

LIGHTING FIXTURE SCHEDULE

FIXT DES	SYMBOL	LAMP TYPE	FIXTURE MOUNTING	LAMP DESC	WATTS	VOLTS	MFR/CATALOG	DESCRIPTION
F1		LED	RECESSED	17.5W 3,500K 1514 LUMENS	17.5	120	LITHONIA LDN6 35/15 L06 AR LSS MVOLT GZ10 BAA	6" DOWNLIGHT FIXTURE WITH ELECTRONIC DIMMABLE DRIVER.
FIE		LED	RECESSED	17.5W 3,500K 1514 LUMENS	17.5	120	LITHONIA LDN6 35/15 L06 AR LSS MVOLT GZ10 E10WCP BAA	6" DOWNLIGHT FIXTURE WITH ELECTRONIC DIMMABLE DRIVER AND INTEGRAL 90-MIN BATTERY BACKUP
F3		LED	WALL	10W 3,500K 1300 LUMENS	10	120	LINDSLEY LIGHTING LRD.PN 06.35.13.WHS WALL BRACKET BKT09.	6.5" PENDANT LIGHT, WITH WHITE FINISHED AND 9" WALL BRACKET (BKT09.).
F4		FLOUR	PENDANT	EXISTING	EXISTING	120	EXISTING	FULL LENGTH UPLIGHT LINEAR PENDANT.
F6		FLOUR	WALL	EXISTING	EXISTING	120	EXISTING	EXISTING WALL SCONCE TO REMAIN.
F7		LED	PENDANT	10W 3,500K 1300 LUMENS	10	120	LINDSLEY LIGHTING LRD.PN 06.35.13.WHS	6.5" PENDANT LIGHT. WITH WHITE FINISH AND 0-10V DIMMING.
E1		LED	SURFACE	1W LED	1	120	LITHONIA LQM-S-W-3-G-- EL N-SD-USPOM	LED SURFACE MOUNTED EXIT SIGN FIXTURE, GREEN LETTERS, WHITE HOUSING, INTEGRAL 90 MINUTE BATTERY PACK AND SELF-DIAGNOSTICS

LIGHTING FIXTURE NOTES:

1. PROVIDE SPECIFIED LIGHTING MANUFACTURER FOR EACH LIGHT FIXTURE. ANY SUBSTITUTIONS SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE LISTED MANUFACTURERS CATALOG NUMBER.

REGISTERED PROFESSIONAL ENGINEER
EDUARDO A. SOBE
No. E18809
Exp. 6/30/25
ELECTRICAL
STATE OF CALIFORNIA

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO.: 20210427740

DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: ANSI D

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
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SALAS O'BRIEN
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HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FIXTURE SCHEDULE

ELECTRICAL

E602

T:_2021\21197 SHAW AIR FORCE BASE SC DINING FACILITY\ELEC\21197_E602.DWG
10:04:43 AM 4/2/2024
DEBRA.COLEMAN

FOODSERVICE FIXTURE AND EQUIPMENT SCHEDULE

ITEM #	QTY	DESCRIPTION	PROVIDED BY	MAKE	MODEL	VOLTS	PH	AMPS	ELEC. AFF.	HP	J-BOX	PLUG	ELEC. REMARKS	WATER AFF.	CW SIZE	HW SIZE	DIRECT SIZE	INDIRECT WASTE	GAS AFF.	GAS SIZE	BTU	PLUMBING REMARKS
1	1	TRASH DROP COUNTER	K.E.C.	NICHOLS	FABRICATED																	
2	1	DISHWASHER CONVEYOR	K.E.C.	AEROWERKS	FABRICATED	208V	1	15 A	STUB		X		SEE ENGINEERED DRAWINGS FOR MORE INFORMATION		(6) 1/2"	(6) 1/2"		FS				INDIRECT WASTE TO FLOOR SINK
3	1	RACK CONVEYOR DISHWASHER	G.F.G.I	N.I.K.E.C.	EXISTING TO REMAIN						X		SEE EXISTING DISHMACHINE FOR EXISTING UTILITY INFORMATION									
4	1	CONVEYOR DISHMACHINE	K.E.C.	VERIFY	VERIFY	120/208 V	1	125 A	STUB		X											
5	2	VENT DUCT	K.E.C.	FABRICATED	FABRICATED																	
6	1	CONVEYOR	K.E.C.	AEROWERKS																		
7	1	PRE-RINSE W/ FAUCET	K.E.C.	T&S BRASS	B-0133-12-CR-B									24"	1/2"	1/2"						
8	1	POT/PAN TRASH COLLECTOR	K.E.C.	SALVAJOR	P914	120 V	1	11 A	24"	3/4	X			18"	1/2"	1/2"	2"					
9	1	SPARE NUMBER		--	--																	
10	1	SPARE NUMBER		--	--																	
11	2	POWERSOAK SINK FAUCET	K.E.C.	T&S BRASS	B-0231									24"	1/2"	1/2"						
12	1	SPARE NUMBER		--	--																	
13	1	POT/PAN POWER WASH SINK	K.E.C.	NICHOLS	FABRICATED	120 V	1	30 A	STUB		X							FS				INDIRECT WASTE DRAIN TO FLOOR SINK
14	1	TUBULAR WALL SHELF W/ POT HOOKS	K.E.C.	NICHOLS	FABRICATED																	
15-20	1	SPARE NUMBER		--	--																	
21	1	DIGITAL MENU BOARD																				
22	3	DRY STORAGE SHELVING	K.E.C.	NICHOLS	FABRICATED																	
23	1	SELF-SERVE BAKERY DISPLAY	K.E.C.	STRUCTURAL CONCEPTS	CGS2830	120 V	1	2 A	48"			X	NEMA 5-15P									
24	1	CONVEYOR TOASTER	K.E.C.	HATCO	TQ-10	120 V	1	15 A	48"			X	NEMA 5-20P									
25	1	JUICE DISPENSER	K.E.C.	BUNN	37300.0004	120 V	1	6 A	48"			X		18"	1/4"							
26	1	BEVERAGE COUNTER	K.E.C.	NICHOLS	FABRICATED	120 V	1	16 A	48"			X	(2) CONVENIENCE OUTLETS	48"								
27	1	ESPRESSO MACHINE	K.E.C.	NESCAFE	BEAN-TO-CUP	208 V	1	30 A	48"			X		18"	3/8"			FS				INDIRECT WASTE DRAIN TO FLOOR SINK
28	1	SMOOTHIE MAKER	K.E.C.	VERIFY	VERIFY	120 V	1	10 A	STUB		X											
29	1	SPARE NUMBER		--	--																	
30	1	SPARE NUMBER		--	--																	
31	1	TRASH RECEPTACLE	K.E.C.	RUBBERMAID	SLIM JIM																	
32	1	CONDIMENT DISPENSER	K.E.C.	STAR	CD3S																	
33	2	CO2 TANK	G.F.G.I	N.I.K.E.C.	BY VENDOR																	
34	1	SODA SYSTEM W/ RACK	G.F.G.I	N.I.K.E.C.	BY VENDOR	120 V	1	16 A	48"			X		18"	1/2"							
35	1	B-N-B CABINET	K.E.C.	NICHOLS	FABRICATED																	
36	1	ICE MACHINE	K.E.C.	FOLLETT	HCC1410ABS	208 V	1	20 A	12"			X	NEMA 6-20P	12"	3/8"			FS				INDIRECT WASTE DRAIN TO FLOOR SINK
37	1	COFFEE BREWER	G.F.G.I	N.I.K.E.C.	BY VENDOR	120/208 V	1	28.8 A	12"			X	DUAL VOLTAGE	18"	1/4"							
38	1	SODA AND ICE DISPENSER	K.E.C.	FOLLETT	VU155M8RL	120 V	1	2.4 A	12"			X	SELF CONTAINED, NEMA 5-15P	18"	1/2"			FS				INDIRECT WASTE TO FLOOR SINK. CW CONN FROM FILTER
39	1	SPARE NUMBER		--	--																	
40	1	SPARE NUMBER		--	--																	
41	1	ICED TEA BREWER / DISPENSER	G.F.G.I	N.I.K.E.C.	BY VENDOR	120 V	1	12 A	48"			X	VFY REQUIREMENTS W/ VENDOR PRIOR TO ROUGH-IN	18"	1/2"							CW CONN. FROM FILTER
42	1	CHILLED WATER DISPENSER	K.E.C.	VIVERAU	V3-202	120 V	1	11 A	48"			X	5-15P NEMA	18"	1/2"			FS				INDIRECT WASTE DRAIN TO FLOOR SINK
43	1	TRASH RECEPTACLE	G.F.G.I	RUBBERMAID	SLIM JIM																	
44	1	BEVERAGE COUNTER	K.E.C.	NICHOLS	FABRICATED	120 V	1	16 A	48"			X	(2) CONVENIENCE OUTLETS									
45	2	POS SYSTEM	G.F.G.I	G.F.G.I	BY OWNER	120/208 V	1	20 A	24"			X	W/ DATA OUTLET									
46	1	POS COUNTER	K.E.C.	NICHOLS	FABRICATED																	
47	2	MOBILE CLEAN DISH STORAGE	K.E.C.	LAKESIDE	998																	
48	2	POS SYSTEM	G.F.G.I	G.F.G.I	BY OWNER	120/208 V	1	20 A	24"			X	W/ DATA OUTLET									
49	1	SPARE NUMBER		--	--																	
50	1	SPARE NUMBER		--	--																	
51	1	POS COUNTER	K.E.C.	NICHOLS	FABRICATED																	
52	2	MOBILE CLEAN DISH STORAGE	K.E.C.	LAKESIDE	998																	
53	1	LED LIGHT UNIT	K.E.C.	BSI	2580	120 V	1	15 A	FROM #70		X		WIRE HEAT/LIGHT LAMP THRU SNEEZE GUARD LEG TO CONTROL BOX IN COUNTER									
54	1	FROST TOP	K.E.C.	RANDELL	RFT-3	120 V	1	3.5 A	FROM #70			X						FS				INDIRECT WASTE DRAIN TO FLOOR SINK
55	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
56	1	LED LIGHT UNIT	K.E.C.	BSI	2580	120 V	1	15 A	FROM #70		X		WIRE HEAT/LIGHT LAMP THRU SNEEZE GUARD LEG TO CONTROL BOX IN COUNTER									
57	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
58	2	INDUCTION SOUP WELL	K.E.C.	VOLLRATH	741101D	120 V	1	6.7 A	FROM #70			X	NEMA 5-15P									
59	1	SPARE NUMBER		--	--																	
60	1	SPARE NUMBER		--	--																	
61	1	PLATE CHILLER	K.E.C.	RANDELL	9550A	120 V	1	6.3 A	FROM #70	0.33		X	SELF CONTAINED, NEMA 5-15P									
62	2	HOT/COLD WELL	K.E.C.	RANDELL	9580-5A-208Z	208 V	1	21.2 A	FROM #70	0.25		X		18"	1/2"			FS				CW CONN FOR AUTO-FILL, DRAIN TO FLOOR SINK
63	1	HEAT LAMP W/ LED LIGHT	K.E.C.	BSI	705	120 V	1	15 A	FROM #70		X											
64	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
65	1	ROTATING COLD PAN	K.E.C.	BSI	CUSTOM	120 V	1	10 A	FROM #70			X						FS				INDIRECT WASTE DRAIN TO FLOOR SINK
66	1	LED LIGHT UNIT	K.E.C.	BSI	2580	120 V	1	0 A	FROM #70		X		WIRE HEAT/LIGHT LAMP THRU SNEEZE GUARD LEG TO CONTROL BOX IN COUNTER									
67	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
68	1	LED LIGHT UNIT	K.E.C.	BSI	2580	120 V	1	15 A	FROM #70		X		WIRE HEAT/LIGHT LAMP THRU SNEEZE GUARD LEG TO CONTROL BOX IN COUNTER									
69	1	SPARE NUMBER		--	--																	
70	1	SERVING COUNTER	K.E.C.	NICHOLS	FABRICATED	120/208 V	1	125 A	STUB		X		LOAD CENTER									
71	1	HOT/COLD WELL W/ AUTO FILL	K.E.C.	RANDELL	9580-3A-208Z	120/208 V	1	15.9 A	FROM #70			X		18"	1/2"			FS				INDIRECT WASTE DRAIN TO FLOOR SINK
72	1	LED LIGHT UNIT	K.E.C.	BSI	2580	120 V	1	15 A	FROM #70		X		WIRE HEAT/LIGHT LAMP THRU SNEEZE GUARD LEG TO CONTROL BOX IN COUNTER									

REGISTERED PROFESSIONAL ENGINEER
EDARDO A. DAVID
No. E18809
Exp. 6/30/25
ELECTRICAL
STATE OF CALIFORNIA

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
426 CHAPIN STREET
SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO.: 20214047740
DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: AS ANSI D

SHAW AFB, HEAVY AGE SOUTH CAROLINA
DINING FACILITY REFRESH

KITCHEN EQUIPMENT SCHEDULE

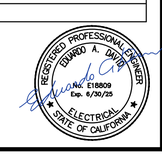
ELECTRICAL

E603

T:_2021\21197 SHAW AIR FORCE BASE SC DINING FACILITY\ELEC\21197_E603.DWG
DEBRA.COLEMAN
10:04:46 AM 4/2/2024

FOODSERVICE FIXTURE AND EQUIPMENT SCHEDULE.

ITEM #	QTY	DESCRIPTION	PROVIDED BY	MAKE	MODEL	VOLTS	PH	AMPS	ELEC. AFF.	HP	J-BOX	PLUG	ELEC. REMARKS	WATER AFF.	CW SIZE	HW SIZE	DIRECT SIZE	INDIRECT WASTE	GAS AFF.	GAS SIZE	BTU	PLUMBING REMARKS
73	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
74	1	HEAT LAMP W/ LED LIGHT	K.E.C.	BSI	705	120 V	1	15 A	FROM #70		X											
75	1	GLASS HEATED DECK	K.E.C.	HATCO	HBGB-4818	120 V	1	7.1 A	FROM #70			X										
76	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
77	1	VENTLESS GRIDDLE	K.E.C.	EVO	10-0135-EVT	208 V	3	32 A	FROM #70			X										
78	3	VERTICAL SNEEZE GUARD	<varies>	BSI	PPS48-P																	
79	1	SPARE NUMBER		--	--																	
80	1	SPARE NUMBER		--	--																	
81	1	LED LIGHT UNIT	K.E.C.	BSI	2580	120 V	1	15 A	FROM #70		X		WIRE HEAT/LIGHT LAMP THRU SNEEZE GUARD LEG TO CONTROL BOX IN COUNTER									
82	1	REFRIGERATED MAKE-UP TABLE	K.E.C.	TRAULSEN	UST279	120 V	1	7.2 A	FROM #70			X	NEMA 5-15P									
83	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
84	1	PIZZA SERVING COUNTER	K.E.C.	NICHOLS	FABRICATED	120/208 V	1	125 A	STUB		X		LOAD CENTER									
85	3	GLASS HEATED DECK	K.E.C.	HATCO	GRSR-15	120 V	1	2.1 A	FROM #84			X	NEMA 5-15P									
86	1	GLASS HEATED DECK	K.E.C.	HATCO	HBGB-4818	120 V	1	7.1 A	FROM #84			X	NEMA 5-15P									
87	1	LED LIGHT UNIT	K.E.C.	BSI	2580	120 V	1	15 A	FROM #84		X		WIRE HEAT/LIGHT LAMP THRU SNEEZE GUARD LEG TO CONTROL BOX IN COUNTER									
88	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
89	1	SPARE NUMBER		--	--																	
90	1	SPARE NUMBER		--	--																	
91	1	CUTTING BOARD																				
92	1	DIGITAL MENU BOARD																				
93	1	PIZZA PREP TABLE	K.E.C.	RANDELL	826N	120 V	1	9 A	FROM #84	1/3		X	SELF CONTAINED, NEMA 5-15P									
94	1	PLATE DISPENSER	K.E.C.	LAKESIDE	935																	
95	1	PAN RACK CART	K.E.C.	NEW AGE	1305																	
96	1	ROLL-IN REFRIGERATOR	K.E.C.	TRAULSEN	RRI132HUT-FHS	120 V	1	10.6 A	82"			X										
97	1	MOBILE HEATED CABINET	K.E.C.	ALTO-SHAAM	1200-UP	208 V	1	7 A	48"	0.3333		X	NEMA 6-15P									
98	1	HAND SINK	K.E.C.	ADVANCE TABCO	7-PS-40									18"	1/2"	1/2"	1 1/2"					
99	1	SPARE NUMBER		--	--																	
100	1	SPARE NUMBER		--	--																	
101	1	SOAP & TOWEL DISPENSER	G.F.G.I	N.I.K.E.C.	G.F.G.I																	
102	1	BACK SERVICE COUNTER	K.E.C.	NICHOLS	FABRICATED	120 V	1	16 A	48"			X	(1) CONVENIENCE OUTLET									
103	1	U/C REFRIGERATOR	K.E.C.	TRAULSEN	UHT48-LR	120 V	1	7.5 A	24"			X										
104	1	DOUBLE BATCH OVEN	K.E.C.	TURBOCHEF	HHD-9500-1	208 V	3	30 A	48"			X										
105	1	SOAP & TOWEL DISPENSER	G.F.G.I	N.I.K.E.C.	G.F.G.I																	
106	1	HAND SINK	K.E.C.	ADVANCE TABCO	7-PS-40									18"	1/2"	1/2"	1 1/2"					
107	1	REACH-IN REFRIGERATOR	K.E.C.	TRAULSEN	RHT232WUT-FHS	120 V	1	8.2 A	84"			X	SELF CONTAINED, NEMA 5-15P									
108	1	PLEXOR OVEN	K.E.C.	TURBOSHEF	PLEXOR	208 V	3	39 A	56"			X										
109	1	SPARE NUMBER		--	--																	
110	1	SPARE NUMBER		--	--																	
111	1	PLATE DISPENSER	K.E.C.	LAKESIDE	935																	
112	1	BACK SERVICE COUNTER W/ SINK	K.E.C.	NICHOLS	FABRICATED	120 V	1	16 A	48"			X	(2) CONVENIENCE OUTLETS					FS				INDIRECT WASTE DRAIN TO FLOOR SINK
112.1	1	DECK MOUNT FAUCET		T&S BRASS	B-0221									18"	1/2"	1/2"						
113	2	INDUCTION SOUP WELL	K.E.C.	VOLLRATH	741101D	120 V	1	6.7 A	24"			X	NEMA 5-15P									
114	1	SPARE NUMBER		--	--																	
115	1	MOBILE HEATED CABINET	K.E.C.	ALTO-SHAAM	1200-UP	208 V	1	7 A	72"	0.3333		X	NEMA 6-15P									
116	1	PLATE DISPENSER	K.E.C.	LAKESIDE	935																	
117	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
118	1	HEAT LAMP W/ LED LIGHT	K.E.C.	BSI	705	120 V	1	15 A	FROM #119		X											
119	1	ENTREE / GLOBAL SERVING COUNTER	K.E.C.	NICHOLS	FABRICATED	120/208 V	1	125 A	STUB		X		LOAD CENTER									
120	1	SPARE NUMBER		--	--																	
121	3	DIGITAL MENU BOARD																				
122	2	HOT/COLD WELL W/ AUTO FILL	K.E.C.	RANDELL	RCHB-5-208-AF	208 V	1	21.2 A	FROM #119		X			18"	1/2"			FS				INDIRECT WASTE DRAIN TO FLOOR SINK
123	1	SPARE NUMBER		--	--																	
124	1	REFRIGERATED MAKE-UP TABLE	K.E.C.	TRAULSEN	UST279		1	7.2 A	FROM #119			X	NEMA 5-15P									
125	1	REFRIGERATED RAIL	K.E.C.	FABRICATED	FABRICATED	120 V	1	15 A	FROM #119		X											
126	1	FIRE SUPPRESSION SYSTEM	K.E.C.	CAPTIVE AIRE	TBD	120 V	1	5 A			X											
127	1	EXHAUST HOOD		CAPTIVE AIRE	TBD	120 V	1	20 A			X											
128	2	INDUCTION WOK	K.E.C.	COOKTEK	MWG5000	240 V	1	15 A	FROM #119			X										
129	1	SPARE NUMBER		--	--																	
130	1	SPARE NUMBER		--	--																	
131	1	REFRIGERATED EQUIPMENT BASE	K.E.C.	TRAULSEN	TE048HT	120 V	1	6.7 A	FROM #119			X	SELF CONTAINED, NEMA 5-15P									
132	1	48" GRIDDLE	K.E.C.	VULCAN	VCCG48-AC	120 V	1	2 A	FROM #119			X							18"	3/4"	120000	QUICK DISONNECT GAS HOSE AND RESTRAINT CABLES
133	1	VERTICAL SNEEZE GUARD	K.E.C.	BSI	PPS48-P																	
134	1	PLATE DISPENSER	K.E.C.	LAKESIDE	935																	
135	1	PANINI WARMER	K.E.C.	EQUIPEX	PANINI	208 V	1	12 A	48"			X	6-15P NEMA									
136	1	BACK SERVICE COUNTER	K.E.C.	NICHOLS	FABRICATED	120 V	1	16 A	48"			X	(2) CONVENIENCE OUTLETS									
137	1	U/C REFRIGERATOR	K.E.C.	TRAULSEN	UHT48-LR	120 V	1	7.5 A	24"			X										
138	1	PAN RACK CART	K.E.C.	NEW AGE	1305																	
139	1	SPARE NUMBER		--	--																	
140	1	SPARE NUMBER		--	--																	
141	1	HAND SINK	K.E.C.	ADVANCE TABCO	7-PS-40									18"	1/2"	1/2"	1 1/2"					
142	1	SOAP & TOWEL DISPENSER	G.F.G.I	N.I.K.E.C.	G.F.G.I																	
143	1	ROLL-IN FREEZER	K.E.C.	TRAULSEN	RIF232H-FHS	120 V	1	9.4 A	72"			X										
144	1	OVEN/PROOFER	K.E.C.	NU-VU	QBT-3/9	208 V	1	32 A	48"			X		18"	1/4"							
145	1	WALL BACKING	K.E.C.	NICHOLS	FABRICATED																	



1 | 100% READY TO ADVERTISE (RFA) SUBMITTAL | 4/03/2024
MARK | DESCRIPTION | DATE

ISSUE DATE: 4/03/2024
PROJECT NO.: 20212-047740

DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: AS NOTED
ANSI D

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
426 CHAPIN STREET
SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

KITCHEN EQUIPMENT SCHEDULE

ELECTRICAL

E604

DEBRA.COLEMAN
T:_2021\21197 SHAW AIR FORCE BASE SC DINING FACILITY\ELEC\21197_E604.DWG
10:04:50 AM 4/2/2024

FOODSERVICE FIXTURE AND EQUIPMENT SCHEDULE..

ITEM #	QTY	DESCRIPTION	PROVIDED BY	MAKE	MODEL	VOLTS	PH	AMPS	ELEC. AFF.	HP	J-BOX	PLUG	ELEC. REMARKS	WATER AFF.	CW SIZE	HW SIZE	DIRECT SIZE	INDIRECT WASTE	GAS AFF.	GAS SIZE	BTU	PLUMBING REMARKS
146	1	HEATED FRY DUMP	K.E.C.	VULCAN	VX15	120 V	1	15 A	24"			X	NEMA 5-15P									
147	1	45LBS. FRYER W/ FILTER	K.E.C.	VULCAN	1GR45D	120 V	1	2 A	24"			X	NEMA 5-15P						18"	1/2"	120000	QUICK DISONNECT GAS HOSE AND RESTRAINT CABLES
148	1	48" GRIDDLE	K.E.C.	VULCAN	VCCG48-AC	120 V	1	2 A	24"			X							18"	3/4"	120000	QUICK DISONNECT GAS HOSE AND RESTRAINT CABLES
149	1	SPARE NUMBER		--	--																	
150	1	SPARE NUMBER		--	--																	
151	1	REFRIGERATED EQUIPMENT BASE	K.E.C.	TRAULSEN	TE048HT	120 V	1	6.7 A	24"			X	SELF CONTAINED, NEMA 5-15P									
152	1	48" CHARBROILER	K.E.C.	VULCAN	VACB47														18"	3/4"	72000	QUICK DISONNECT GAS HOSE AND RESTRAINT CABLES
153	1	REFRIGERATED EQUIPMENT BASE	K.E.C.	TRAULSEN	TE048HT	120 V	1	6.7 A	24"			X	SELF CONTAINED, NEMA 5-15P									
154	1	EXHAUST HOOD	K.E.C.	CAPTIVE AIRE	TBD	120 V	1	20 A	DFA		X											
155	1	FIRE SUPPRESSION SYSTEM	K.E.C.	CAPTIVE AIRE	TBD	120 V	1	5 A	DFA		X											
156	1	VERTICAL TOASTER	K.E.C.	PRINCE CASTLE	297-T40	120 V	1	8 A	48"			X	NEMA 5-15P									
157	1	HOT HOLDING CABINET		DUKE	RFHU-23		1	12.5 A														
158	1	BACK SERVICE COUNTER	K.E.C.	NICHOLS	FABRICATED	120 V	1	16 A	STUB		X	X	(2) CONVENIENCE OUTLETS									
159	1	SPARE NUMBER		--	--																	
160	1	SPARE NUMBER		--	--																	
161	1	DELI / GRILL SERVING COUNTER	K.E.C.	NICHOLS	FABRICATED	120/208 V	1	125 A	STUB		X		LOAD CENTER									
162	2	PLATE DISPENSER	K.E.C.	LAKESIDE	935																	
163	1	HEAT LAMP W/ LED LIGHT	K.E.C.	BSI	705	120 V	1	15 A	FROM #161		X											
164	1	GLASS HEATED SHELF	K.E.C.	HATCO	HBGB-3618	120 V	1	5.3 A	FROM #161			X	NEMA 5-15P									
165	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
166	2	DIGITAL MENU BOARD	G.F.G.I																			
167	1	REFRIGERATED MAKE-UP TABLE	K.E.C.	RANDELL	9305-7	120 V	1	5.5 A	FROM #161	0.25		X										
168	1	HEATED SLIDE	K.E.C.	HATCO	GRSDS-36D	120 V	1	15.1 A	FROM #161			X										
169	1	SPARE NUMBER		--	--																	
170	1	SPARE NUMBER		--	--																	
171	1	TURBOCHEF	K.E.C.	TURBOCHEF	TORNADO 2	208 V	1	30 A	FROM #161			X	NEMA 6-30P									
172	1	REFRIGERATED SANDWICH PREP	K.E.C.	RANDELL	9230-32-7	120 V	1	9 A	FROM #161	0.38		X										
173	1	LED LIGHT UNIT	K.E.C.	BSI	2580	120 V	1	15 A	FROM #161		X		WIRE HEAT/LIGHT LAMP THRU SNEEZE GUARD LEG TO CONTROL BOX IN COUNTER									
174	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
175-179	1	SPARE NUMBER		--	--																	
181	2	MOBILE CONDIMENT COUNTER	K.E.C.	NICHOLS	FABRICATED	120 V	1	16 A	48"			X	(2) CONVENIENCE OUTLETS									
182	2	CONDIMENT DISPENSER	K.E.C.	STAR	CD3S																	
183	4	NAPKIN DISPENSER	K.E.C.	NICHOLS	FABRICATED																	
184	10	PUMP CONDIMENTS	G.F.G.I	N.I.K.E.C.																		
185	2	SILVERWARE ORGANIZER	K.E.C.	VOLLRATH	CTFWH-6B																	
186	2	TRASH RECEPTACLE	K.E.C.	RUBBERMAID	SLIM JIM																	
187	1	SPARE NUMBER		--	--																	
188	1	SPARE NUMBER		--	--																	
189	1	SPARE NUMBER		--	--																	
199-200	1	SPARE NUMBER		--	--																	

REGISTERED PROFESSIONAL ENGINEER
EDUARDO A. DAVILA
No. E18809
Exp. 6/30/25
ELECTRICAL
STATE OF CALIFORNIA

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO.: 20211247772-00
DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
SCALE: AS NOTED ANSI D

U.S. AIR FORCE SERVICES CENTER
HQ AIR FORCE SERVICES CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

SALAS O'BRIEN
15115 PARK ROW
SUITE 125
HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

KITCHEN EQUIPMENT SCHEDULE

ELECTRICAL

E605

T:_2021\21197 SHAW AIR FORCE BASE SC DINING FACILITY\ELEC\21197_E605.DWG
DEBRA.COLEMAN
10:04:55 AM 4/2/2024

PANEL: L7 (EXISTING) | LOCATION: SEE PLANS | MAIN: MLO | BUS: 100A NEMA 1
VOLTAGE: 208 / 120 | AIC RATING: 10000 | FEED: BOTTOM | MTG: RECESSED
PHASE: 3 | CIRCUIT CODE:
WIRE: 4 | blank=NON-CONTINUOUS, N=NON-COINCIDENTAL, L=LONG CONTINUOUS, R=RECEPT (NEC ART. 220-44), K=KITCHEN

NOTE	DESCRIPTION	CODE	BKR	P	#	VA	PHASE	VA	#	P	BKR	CODE	DESCRIPTION	NOTE
6	SPARE		20	1	1		A	1560	2	2	20		DISHWASHER CONVEYOR	3
6	PATIO ENTRY EXT. REC	R	20	1	3	540	B	1560	4				-	3
6	DINING ROOM REC	R	20	1	5	1080	C	1080	6	1	20	R	POSTAL STO. RECEPTACES	6
6	DINING ROOM REC	R	20	1	7	720	A	720	8	1	20	R	POSTAL LOBBY/OFFICE REC	6
6	EWC REC	R	20	1	9	1100	B		10				SPACE	
6	MEN/WOMEN REC	R	20	1	11	360	C		12				SPACE	
6	CLOTHES DYER EXHAUST FAN		20	1	13	100	A	720	14	1	20	R	KNUCKLE BAR	5,4c
6	EXISTING LOAD	K	20	2	15	1000	B	540	16	1	20	R	KNUCKLE BAR	5,4c
	-	K			17	1000	C	500	18	1	20		KNUCKLE BAR	5,4c
6	EXISTING LOAD	K	20	2	19	1000	A	720	20	1	20	R	KNUCKLE BAR	5,4d
	-	K			21	1000	B	500	22	1	20		KNUCKLE BAR	5,4d
5,4a	ITEM E181 - CONDIMENT CNTR	K	20	1	23	1200	C	540	24	1	20	R	KNUCKLE BAR	5,4d
5,4a	ITEM E181 - CONDIMENT CNTR	K	20	1	25	1200	A		26	1	20		SPACE	
5,4b	ITEM E181 - CONDIMENT CNTR	K	20	1	27	1200	B		28	1	20		SPACE	
5,4b	ITEM E181 - CONDIMENT CNTR	K	20	1	29	1200	C		30				SPACE	

CONNECTED VA Ø A	6740	CONNECTED VA ( )	4220	PANEL CONN. AMPS WITH LCL	58.68	PANEL DEMAND KVA WITH LCL	18.06
CONNECTED VA Ø B	7440	CONNECTED VA (L)	0	CONNECTED VA WITH LCL (L)	0	PANEL DEMAND AMPS WITH LCL	50.13
CONNECTED VA Ø C	6960	CONNECTED VA (R)	8120	DEMAND VA (R)	8120	PANEL CONNECTED AMPS	58.68
TOTAL VA	21140	CONNECTED VA (K)	8800	DEMAND VA (K)	5720	DEMAND HIGH Ø AMPS WITH LCL	59.29

1 PROVIDE NEW CIRCUIT BREAKER TO REPLACE EXISTING
2 EXISTING CIRCUIT BREAKER WITH NEW LOAD
3 PROVIDE NEW CIRCUIT BREAKER TO REPLACE EXISTING OF SAME TYPE, STYLE AND AIC RATING AS EXISTING
4 PROVIDE LISTED HANDLE-TIE DEVICE
5 PROVIDE NEW CIRCUIT BREAKER IN EXISTING SPACE OF SAME TYPE, STYLE AND AIC RATING AS EXISTING
6 EXISTING LOAD TO REMAIN
7
8

PANEL: L3 (EXISTING) | LOCATION: SEE PLANS | MAIN: 225A/3P | BUS: 225A NEMA 1
VOLTAGE: 208 / 120 | AIC RATING: 10000 | FEED: TOP | MTG: RECESSED
PHASE: 3 | CIRCUIT CODE:
WIRE: 4 | blank=NON-CONTINUOUS, N=NON-COINCIDENTAL, L=LONG CONTINUOUS, R=RECEPT (NEC ART. 220-44), K=KITCHEN

NOTE	DESCRIPTION	CODE	BKR	P	#	VA	PHASE	VA	#	P	BKR	CODE	DESCRIPTION	NOTE
2,4a	ITEM E107 - REACH-IN FRIDGE	K	20	1	1	984	A	728	2	2	15	K	ITEM E115 - HEAT CABINET	2
2,4a	ITEM E113 - IND. SOUP WELL	K	20	1	3	804	B	728	4			K	-	
2,4a	ITEM E112 - SERVICE COUNTER	K	20	1	5	1200	C	1248	6	2	20	K	ITEM E135 - PANINI WARMER	2
3	ITEM E26 - BEVERAGE COUNTER	K	20	1	7	1200	A	1248	8			K	-	
3	ITEM E28 - SMOOTHIE MAKER	K	20	1	9	1200	B		10	2	45		SPARE	
3	ITEM E26 - BEVERAGE COUNTER	K	20	1	11	1200	C		12				-	
2,4b	ITEM E136 - SERVICE COUNTER	K	20	1	13	1200	A		14	2	20		SPARE	
2,4b	ITEM E136 - SERVICE COUNTER	K	20	1	15	1200	B		16				-	
2,4b	ITEM E137 U/C FRIDGE	K	20	1	17	900	C	2080	18	2	30	K	ITEM E36 - ICE MACHINE	3
4	ITEM E27 - EXPRESSO MACHINE	K	30	2	19	1560	A	2080	20			K	-	
	-	K			21	1560	B	2995	22	2	30	K	ITEM E37 - COFFEE BREWER	3
	SPARE		20	1	23		C	2995	24			K	-	
	SPARE		20	1	25		A	500	26	1	20	K	ITEM E45 - POS SYSTEM	3,4a
	SPARE		20	1	27		B	500	28	1	20	K	ITEM E45 - POS SYSTEM	3,4a
2	ITEM E126 - FIRE SUPPRESS.	K	20	1	29	600	C	500	30	1	20	K	ITEM E45 - POS SYSTEM	3,4a
2	ITEM E127 EXHAUST HOOD	K	20	1	31	600	A	1200	32	1	20	K	ITEM E26 - BEVERAGE COUNT	3,4b
	SPARE		20	1	33		B	960	34	1	20	K	ITEM E23, E25 - CNTR DISP.	3,4b
	SPARE		20	1	35		C	1200	36	1	20	K	ITEM E24 - CONVYOR TOASTE	3,4b
2	ITEM E38 - ICE DISPENSER	K	20	1	37	288	A	1320	38	1	20	K	ITEM E42 - CHILLED WTR DISP	3,4c
2	ITEM E44 - BEVERAGE COUNTER	K	20	1	39	1200	B	600	40	1	20	K	ITEM E44 - BEVERAGE COUNT	3,4c
2	ITEM E41 - ICE TEA DISP.	K	20	1	41	1200	C	600	42	1	20	K	ITEM E34 - SODA SYSTEM RA	3,4c

CONNECTED VA Ø A	12908	CONNECTED VA ( )	0	PANEL CONN. AMPS WITH LCL	106.53	PANEL DEMAND KVA WITH LCL	24.95
CONNECTED VA Ø B	11747	CONNECTED VA (L)	0	CONNECTED VA WITH LCL (L)	0	PANEL DEMAND AMPS WITH LCL	69.24
CONNECTED VA Ø C	13723	CONNECTED VA (R)	0	DEMAND VA (R)	0	PANEL CONNECTED AMPS	106.53
TOTAL VA	38378	CONNECTED VA (K)	38378	DEMAND VA (K)	24945.7	DEMAND HIGH Ø AMPS WITH LCL	74.28

1 EXISTING LOAD TO REMAIN
2 EXISTING CIRCUIT BREAKER WITH REVISED LOAD
3 PROVIDE NEW CIRCUIT BREAKER TO REPLACE EXISTING OF SAME TYPE, STYLE AND AIC RATING AS EXISTING
4 PROVIDE LISTED HANDLE-TIE DEVICE
6
7
8
9
10
SPECIAL NOTES:

PANEL: L8 (EXISTING) | LOCATION: SEE PLANS | MAIN: MLO | BUS: 250A NEMA 1
VOLTAGE: 208 / 120 | AIC RATING: 10000 | FEED: TOP | MTG: SURFACE
PHASE: 3 | CIRCUIT CODE:
WIRE: 4 | blank=NON-CONTINUOUS, N=NON-COINCIDENTAL, L=LONG CONTINUOUS, R=RECEPT (NEC ART. 220-44), K=KITCHEN

NOTE	DESCRIPTION	CODE	BKR	P	#	VA	PHASE	VA	#	P	BKR	CODE	DESCRIPTION	NOTE
1	LIGHTING: POSTAL OFFICES	L	20	1	1	1570	A	442	2	1	20	L	LIGHTING: SERVING LINE,GRILLE	2
1	LIGHTING: STORAGE, RECEIVING	L	20	1	3	950	B	315	4	1	20	L	LIGHTING: SELF SERVE	2
1	LIGHTING: DISH/POT WASHING	L	20	1	5	1500	C	1050	6	1	20	L	LIGHTING: SELF SERVE	1
1	LIGHTING: KITCHEN	L	20	1	7	1450	A	1070	8	1	20	L	LIGHTING: ATRIUM	1
1	LIGHTING: KITCHEN	L	20	1	9	1020	B	1440	10	1	20	L	LIGHTING: ATRIUM	1
1	TOILETS	L	20	1	11	990	C	1440	12	1	20	L	LIGHTING: ATRIUM	1
1	LIGHTING: OFFICES, LOADING DOCK	L	20	1	13	830	A	1440	14	1	20	L	LIGHTING: ATRIUM	1
1	LIGHTING: ELEC./MECH. ROOMS	L	20	1	15	350	B	1440	16	1	20	L	LIGHTING: ATRIUM	2
	SPACE				17		C	1440	18	1	20	L	LIGHTING: ATRIUM	1
	SPACE				19		A	1240	20	1	20	L	LIGHTING: DINING AREA "A"	1
	SPACE				21		B	720	22	1	20	L	LIGHTING: DINING AREA "A"	1
	SPACE				23		C	1520	24	1	20	L	LIGHTING: DINING AREA "B"	1
	SPACE				25		A	150	26	1	20	L	LIGHTING: DINING AREA "C"	1
	SPACE				27		B	1650	28	2	20	L	SITE LIGHTING	1
	SPACE				29		C	1650	30			L	-	
	SPACE				31		A	1440	32	2	20	L	SITE LIGHTING	1
	SPACE				33		B	1440	34			L	-	
	SPACE				35		C	1440	36	2	20	L	SITE LIGHTING	1
1	AUTOMATIC DOOR OPENERS		20	1	37	500	A	1440	38			L	-	
	SPARE		20	1	39		B	1380	40	1	20	L	EXTERIOR BUILDING LIGHTING	1
	SPARE		20	1	41		C		42	1	20	L	EXTERIOR BUILDING LIGHTING	1

CONNECTED VA Ø A	11572	CONNECTED VA ( )	500	PANEL CONN. AMPS WITH LCL	115.22	PANEL DEMAND KVA WITH LCL	41.51
CONNECTED VA Ø B	10705	CONNECTED VA (L)	32807	CONNECTED VA WITH LCL (L)	41009	PANEL DEMAND AMPS WITH LCL	115.22
CONNECTED VA Ø C	11030	CONNECTED VA (R)	0	DEMAND VA (R)	0	PANEL CONNECTED AMPS	92.45
TOTAL VA	33307	CONNECTED VA (K)	0	DEMAND VA (K)	0	DEMAND HIGH Ø AMPS WITH LCL	119.41

1 EXISTING LOAD TO REMAIN
2 EXISTING CIRCUIT BREAKER WITH NEW LOAD
3 PROVIDE NEW CIRCUIT BREAKER IN EXISTING SPACE OF SAME TYPE, STYLE AND AIC RATING AS EXISTING
4 PROVIDE LISTED HANDLE-TIE DEVICE
5 EXISTING LOAD REMOVED, BREAKER TO BECOME SPARE
6
7
8
9

PANEL: L4 (EXISTING) | LOCATION: SEE PLANS | MAIN: 200A/3P [1] | BUS: 400A NEMA 1
VOLTAGE: 208 / 120 | AIC RATING: 10000 | FEED: BOTTOM | MTG: RECESSED
PHASE: 3 | CIRCUIT CODE:
WIRE: 4 | blank=NON-CONTINUOUS, N=NON-COINCIDENTAL, L=LONG CONTINUOUS, R=RECEPT (NEC ART. 220-44), K=KITCHEN

NOTE	DESCRIPTION	CODE	BKR	P	#	VA	PHASE	VA	#	P	BKR	CODE	DESCRIPTION	NOTE
2	ITEM E144 - OVEN/ROOFER		40	2	1	3328	A	500	2	1	20	K	MENU BOARD	2,5d
	-				3	3328	B	500	4	1	20	K	MENU BOARD	2,5d
	SPARE		20	1	5		C	500	6	1	20	K	MENU BOARD	4,5d
2,5a	ITEM 102 BACK SERVICE CNTR	K	20	1	7	1200	A		8	1	20		SPARE	
2,5a	ITEM 103 U/C REFRIDGERATOR	K	20	1	9	900	B	4680	10	3	50	K	ITEM 108 PLEXOR OVEN	2
2,5a	ITEM 102 BACK SERVICE CNTR	K	20	1	11	1200	C	4680	12			K	-	
1	EXISTING LOAD	K	20	3	13	900	A	4680	14			K	-	
1	-	K			15	900	B		16				SPACE	
1	-	K			17	900	C	1128	18	1	20	K	ITEM E143 - ROLL IN FRZR	2,5e
2,5b	ITEM E151, E153 - FRIDGE	K	20	1	19	984	A	1200	20	1	30	K	ITEM E146 - HEATED FRY	2,5e
2,5b	ITEM E156 - VERTICAL TOASTER	K	20	1	21	960	B	1284	22	1	20	K	ITEM E147,E148,E151 FRYERS	2,5e
2,5b	ITEM E158	K	20	1	23	1200	C	500	24	1	20	K	ITEM E48 - POS SYSTEM	4,5f
1	EXISTING LOAD	K	20	1	25	540	A	500	26	1	20	K	ITEM E48 - POS SYSTEM	4,5f
2,5c	ITEM E154 - EXHAUST HOOD	K	20	1	27	900	B	500	28	1	20	K	ITEM E48 - POS SYSTEM	4,5f
2,5c	ITEM E155 - FIRE SUPPRESSION	K	20	1	29	600	C		30				SPACE	
2	ITEM E96 - ROLL-IN	K	20	1	31	1272	A	120	32	1	20		SHUNT TRIP	
2	ITEM E157 - HOT HOLDING	K	20	1	33	1500	B		34	1	20		SPARE	
	SPARE		20	1	35		C	728	36	2	20	K	ITEM E97 - HEAT CABINET	2
2	ITEM E104 SBL BATCH OVEN	K	40	3	37	3600	A	728	38				-	
	-	K			39	3600	B		40				SPACE	
	-	K			41	3600	C		42				SPACE	

CONNECTED VA Ø A	19552	CONNECTED VA ( )	7504	PANEL CONN. AMPS WITH LCL	148.89	PANEL DEMAND KVA WITH LCL	37.49
CONNECTED VA Ø B	19052	CONNECTED VA (L)	0	CONNECTED VA WITH LCL (L)	0	PANEL DEMAND AMPS WITH LCL	104.07
CONNECTED VA Ø C	15036	CONNECTED VA (R)	0	DEMAND VA (R)	0	PANEL CONNECTED AMPS	148.89
TOTAL VA	53640	CONNECTED VA (K)	46136	DEMAND VA (K)	29988.4	DEMAND HIGH Ø AMPS WITH LCL	118.00

1 EXISTING LOAD TO REMAIN
2 PROVIDE NEW CIRCUIT BREAKER TO REPLACE EXISTING OF SAME TYPE, STYLE AND AIC RATING AS EXISTING
4 EXISTING CIRCUIT BREAKER WITH NEW LOAD
5 PROVIDE LISTED HANDLE-TIE DEVICE
6
7
8
9
10
SPECIAL NOTES:

KEY NOTES

1 PROVIDE PANEL WITH MAIN CIRCUIT BREAKER WITH 120V SHUNT TRIP. CONNECT SHUNT TRIP TO FIRE SUPPRESSION SYSTEM AND TO CIRCUIT L4–32.

–	L7	L3
–	L8	L4
–	–	–

REGISTERED PROFESSIONAL ENGINEER
EDARDO A. DAVILA
No. E18809
Exp. 6/30/25
ELECTRICAL
STATE OF CALIFORNIA

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RFA) SUBMITTAL	4/03/2024

DESIGNED BY: SOBE
DRAWN BY: SOBE
CHECKED BY: SOBE
SUBMITTED BY: SOBE
ISSUE DATE: 4/03/2024
PROJECT NO.: 20214047740
SCALE: ANSI D

U.S. AIR FORCE SERVICES CENTER
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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

PANEL SCHEDULE

ELECTRICAL

E606

T:_2021\21197 SHAW AIR FORCE BASE SC DINING FACILITY\ELEC\21197_E606.DWG
DEBRA.COLEMAN
10:05:10 AM 4/2/2024

HQ AIR FORCE SERVICES CENTER

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH
CMSgt Emerson E. Williams (DFAC)

FOOD 2.0 DFAC RENOVATION

GENERAL NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO VERIFY THE APPLICABLE CODE VERSION WITH THE AUTHORITY HAVING JURISDICTION (AHJ) FOR ALL WORK PERFORMED.
2. NOTIFY CONSULTANT OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE TECHNOLOGY DRAWINGS. OBTAIN CLARIFICATION BEFORE PROCEEDING WITH WORK.
3. CABLE BUNDLING IS TO BE AVOIDED, ALL CABLES SHALL BE ALLOWED TO LAY NATURALLY IN CABLE TRAYS AND RUNWAYS. WHEN BUNDLING IS NECESSARY NO BUNDLE SHALL BE LARGER THAN 24 CABLES.
4. EXACT MOUNTING LOCATIONS AND HEIGHTS ARE FIELD COORDINATION ISSUES. CONTRACTOR TO COORDINATE WITH EXISTING CONDITIONS ON SITE TO PROVIDE THE MOST AESTHETIC APPEARANCE AND ALIGNMENT WITH NEARBY DEVICES.
5. TECHNOLOGY ROOM DIMENSIONS ON THE DRAWINGS HAVE BEEN TAKEN FROM ARCHITECTURAL DRAWINGS. THE SCALE OF THESE DRAWINGS ARE SUFFICIENTLY ACCURATE FOR DETERMINING THE LOCATION OF TECHNOLOGY INFRASTRUCTURE COMPONENTS, JUNCTION BOXES, OUTLET BOXES, RACEWAYS, RUNWAYS, PANELS, ETC. WHERE EXACT DIMENSIONS ARE INDICATED, THE REFERENCE SURFACE SHALL BE THE FINAL FINISHED SURFACE INCLUDING ANY ACOUSTICAL TREATMENT.
6. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD AND ANY DEVIATIONS CAUSING CHANGES EXCEEDING 6 INCHES TO THE INTENDED LOCATION OF MAJOR TECHNOLOGY INFRASTRUCTURE COMPONENTS SHALL BE COORDINATED WITH THE ARCHITECT AND CONSULTANT PRIOR TO INSTALLATION.
7. IT SHALL BE THE RESPONSIBILITY OF THE TECHNOLOGY CONTRACTOR TO COORDINATE AND VERIFY SIGNAL/CONDUIT PATHWAYS WITH THE ELECTRICAL DRAWINGS.
8. REFER TO DIVISION 26 AND 27 SPECIFICATIONS FOR INSTALLATION REQUIREMENTS RELATED TO FLOORBOXES, JUNCTION BOXES, BONDING CONDUCTORS, BUSBARS, CONDUITS, CONDUIT BENDS, RUNWAYS IN CORRIDORS, METALLIC ENCLOSURES.
9. BOND ALL CONDUITS, CABLE TRAYS, AND JUNCTION BOXES IN TECHNOLOGY SPACES PER TIA-607 IN ADDITION TO ANY APPLICABLE CODE REQUIREMENTS.
10. PRIOR TO DRILLING OR CORING ANY CONCRETE, NEW OR EXISTING, REBAR AND PT TENDON SHALL BE LOCATED BY SCANNING. SHOP DRAWINGS SHOWING THE COORDINATED LOCATIONS OF OPENINGS AND ANCHORS TO AVOID DAMAGING REBAR AND PT TENDONS SHALL BE SUBMITTED. CORING OF POST-TENSION CONCRETE IS NOT PERMITTED WITHOUT THE REVIEW OF THE ARCHITECTS.
11. ALL TECHNOLOGY RELATED FLOORBOXES, POKE THRU DEVICES, JUNCTION BOXES AND BACK BOXES SHOULD BE PROVIDED WITH AN EMPTY CONDUIT TO THE APPLICABLE TELECOM ROOM, CABLE TRAY, RUNWAY, PULL BOX, OR OPEN ACCESS CEILING AREA.
12. CONDUIT ROUTES ON THE TECHNOLOGY DRAWINGS SHOW ONLY INTERCONNECTION BETWEEN THE TERMINATION POINTS AND APPROXIMATE ROUTES. THE EXACT ROUTE OF CONDUIT PATHWAYS SHALL BE COORDINATED AND VERIFIED BY CONTRACTOR BASED ON FIELD CONDITIONS.
13. CABLE PATHWAYS ON THE TECHNOLOGY DRAWINGS SHOW ONLY APPROXIMATE ROUTES. THE EXACT ROUTE OF PATHWAYS ARE TO BE COORDINATED AND VERIFIED BY CONTRACTOR BASED ON FIELD CONDITIONS.
14. THE METHOD OF INSTALLATION FOR ALL TECHNOLOGY RELATED BACKBOXES IN WALLS AND THE METHOD FOR PASSAGE OF CONDUIT AND RUNWAYS THROUGH ACOUSTICALLY SENSITIVE WALLS SHALL BE COORDINATED WITH THE ACOUSTICAL CONSULTANT OR OWNER PRIOR TO INSTALLATION.
15. ALL TECHNOLOGY DEVICES SHALL BE SECURELY MOUNTED PLUMB AND STRAIGHT TO WALLS, FLOORS, OR RACKS, PER THE MANUFACTURER'S RECOMMENDED MOUNTING PRACTICE.
16. ALL CABLES SHALL BE RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED.
17. CABLES INSTALLED IN ANY UNDERGROUND CONDUITS, INCLUDING UNDER OR WITHIN A SLAB ON GRADE, SHALL BE INDOOR/OUTDOOR RATED.
18. INSTALL FIRESTOP ASSEMBLIES IN ALL THROUGH-SLAB OR THROUGH-WALL RATED BARRIER PENETRATIONS FOR THE INSTALLATION OF TECHNOLOGY CABLING AS REQUIRED TO MAINTAIN FIRE RATING OF PENETRATED SLAB OR WALL. REVIEW DRAWINGS FOR PARTITION TYPE RATINGS. FIRESTOPPING SYSTEMS USED FOR ALL PENETRATIONS SHALL BE A UL LISTED ASSEMBLY AND APPROVED BY APPLICABLE AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION.
19. SLEEVE ASSEMBLIES THAT PENETRATE RATED BARRIERS SHALL BE EZ-PATH OR EQUAL ASSEMBLIES TO ALLOW FOR SIMPLE MAINTENANCE FREE RE-ENTRY WITHOUT DISTURBING SEALANT AND SHALL A PROVIDE SMOKE BARRIER IN ADDITION TO FIRE RATING.
20. ELECTRICAL FEEDS ARE NOT TO BE RUN PARALLEL WITH VIDEO, AUDIO, OR TECHNOLOGY CABLING OR RACEWAYS. IF ELECTRICAL FEEDS MUST BE RUN PARALLEL, A MINIMUM OF 6 INCHES OF SEPARATION SHALL BE MAINTAINED.
21. POWER RECEPTACLES SHOWN ON TECHNOLOGY DRAWINGS ARE DEDICATED TO SPECIFIC TECHNOLOGY EQUIPMENT AND ARE SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR ENGINEERED ELECTRICAL SYSTEM AND ADDITIONAL UTILITY POWER RECEPTACLES.
22. THE FINISHES FOR ALL TECHNOLOGY COMPONENTS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO PROCUREMENT.

TELECOM SYMBOLS - OUTLETS

#C	WALL OUTLET # = CAT6 DROPS C = 1 X COAX CONNECTION
#	FLOOR BOX OUTLET # = CAT6A DROPS
#	CEILING DATA OUTLET # = CAT6 DROPS

ABBREVIATIONS

AFC	ABOVE FINISHED CEILING	MPOE	MINIMUM POINT OF ENTRY
AFF	ABOVE FINISHED FLOOR	MER	MAIN EQUIPMENT ROOM
AHJ	AUTHORITY HAVING JURISDICTION	NIC	NOT IN CONTRACT
		NTS	NOT TO SCALE
BAS	BUILDING AUTOMATED SYSTEMS		
BMS	BUILDING MANAGEMENT SYSTEMS	OC	ON CENTER
BDF	BUILDING DISTRIBUTION FACILITY	OD	OUTSIDE DIAMETER
		OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
C	CONDUIT	OFE	OWNER FURNISHED EQUIPMENT
CATV	COMMUNITY ANTENNA TELEVISION	OFOI	OWNER FURNISHED, OWNER INSTALLED
CCTV	CLOSED CIRCUIT TELEVISION	OSP	OUTSIDE PLANT CABLE
CP	CONSOLIDATION POINT		
CER	COMMUNICATIONS EQUIPMENT ROOM	PB	PULLBOX
		PON	PASSIVE OPTICAL NETWORK
DIM	DIMENSION	PR	PAIR
DWG	DRAWING		
		REQ	REQUIREMENT
EC	EMPTY CONDUIT	RM	ROOM
EF	ENTRANCE FACILITY		
(E)	EXIST/EXISTING	SMF	SINGLE-MODE FIBER
ER	EQUIPMENT ROOM		
		TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
UTP	UNSHIELDED TWISTED PAIR	TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
FOE	FIBER OPTIC ENTRANCE	TSID	TELECOMMUNICATIONS SPACE IDENTIFICATION
		TR	TELECOMMUNICATIONS ROOM
GND	GROUND	TSER	TELECOMMUNICATIONS SERVICE ENTRANCE ROOM
HT	HEIGHT/HIGH	UPS	UNINTERRUPTIBLE POWER SUPPLY
		(U/)UTP	UNSHIELDED TWISTED PAIR
ID	INSIDE DIAMETER	UON	UNLESS OTHERWISE NOTED
IDF	INTERMEDIATE DISTRIBUTION FACILITY		
		VIF	VERIFY IN FIELD
LOMMF	LASER OPTIMIZED MULTIMODE FIBER		
		WAP	WIRELESS ACCESS POINT
MDF	MAIN DISTRIBUTION FACILITY	WP	WEATHERPROOF
MH	MANHOLE		
MMF	MULTIMODE FIBER	ZDF	ZONE DISTRIBUTION FACILITY

CONDUIT PATHWAYS AND ENCLOSURES

1. GENERAL REQUIREMENTS:
   a. E.C. TO PROVIDE ALL CONDUIT PATHWAYS AND ENCLOSURES TO SUPPORT ALL TECHNOLOGY CABLING FROM OUTLET LOCATION TO EXISTING MDF AS NOTED ON DRAWINGS. NO FREE-HANGING OF CABLING ALLOWED.

PULL BOX SIZING GUIDE

CONDUIT TRADE SIZE (in.)	PULL BOX WIDTH (in.)	PULL BOX LENGTH (in.)	PULL BOX DEPTH (in.)	PULL BOX WIDTH INCREASE FOR ADDITIONAL CONDUIT (in.)
1	4	16	3	2
1 1/4	6	20	3	3
1 1/2	8	27	4	4
2	8	36	4	5
2 1/2	10	42	5	6
3	12	48	5	6
3 1/2	12	54	6	6
4	15	60	8	8

CONDUIT FILL

CONDUIT TRADE SIZE (in.)	CAT6 UTP (O.D. - .208)		
0.75	5		
1	9		
1.25	14		
1.5	21		
2	37		

DRAWING INDEX

DWG NUMBER	NAME
T000	TECHNOLOGY COVER SHEET
T101	TECHNOLOGY FLOOR PLAN
T201	TECHNOLOGY RCP
T202	TECHNOLOGY DETAILS

REGISTERED PROFESSIONAL ENGINEER
EDUARDO A. DAVID
No. E18809
Exp. 6/30/25
ELECTRICAL
STATE OF CALIFORNIA

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: AG
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ISSUE DATE: 4/03/2024
SUBMITTED BY: EAD
PROJECT NO.: 2021-0477-00
SIZE: ANSI D

U.S. AIR FORCE SERVICES CENTER
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SALAS O'BRIEN
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HOUSTON, TX 77084

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

TECHNOLOGY COVER SHEET

TECHNOLOGY
T000

4/2/2024 10:53:31 AM

TECHNOLOGY DEMO NOTES

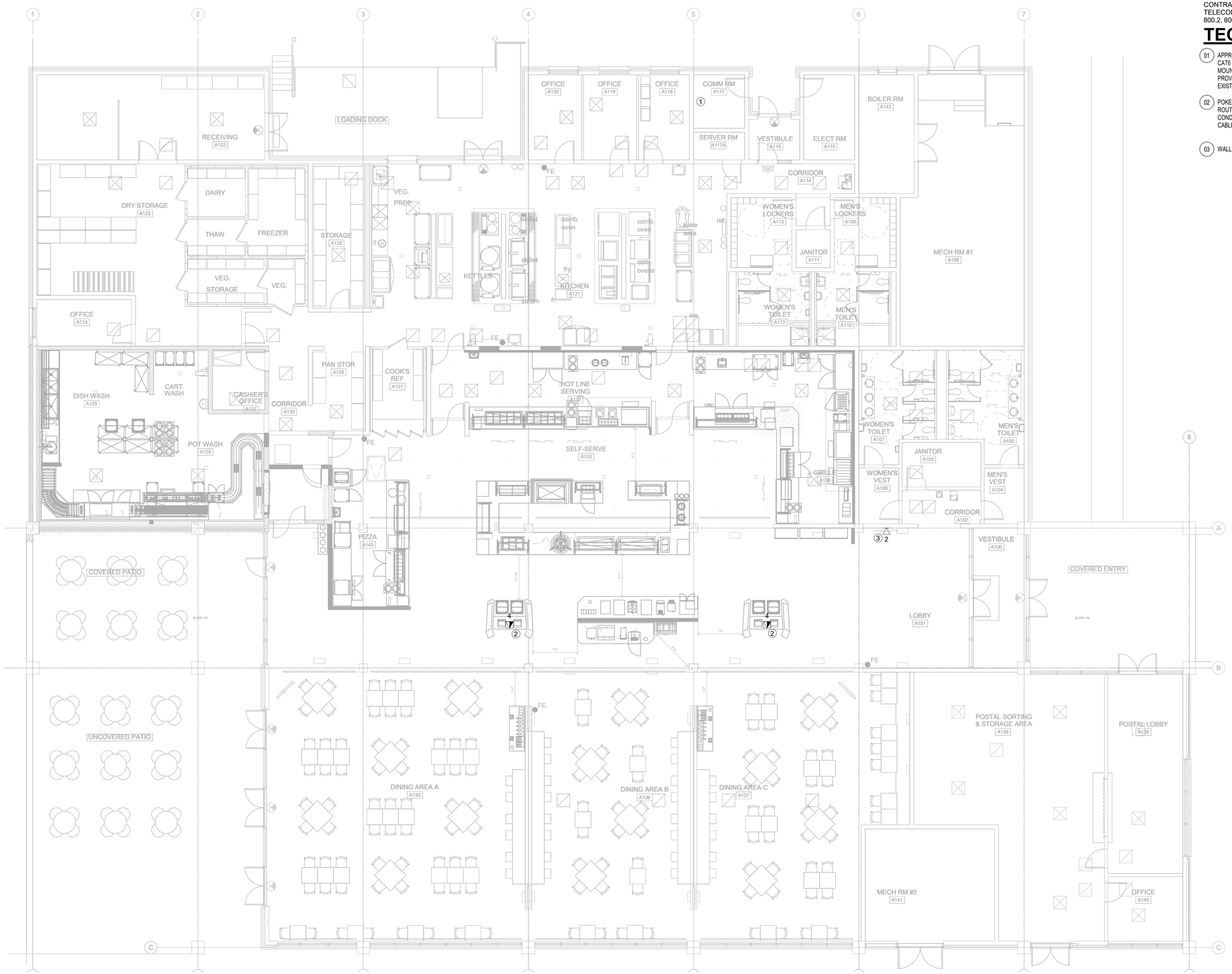
CONTRACTOR SHALL REMOVE ALL EXISTING UNUSED TELECOMMUNICATIONS CABLE IN ACCORDANCE WITH NEC SECTIONS 800.2, 800.52 (A) AND 800.53 (B)(1).

TECHNOLOGY KEY NOTES

01 APPROXIMATE LOCATION OF EXISTING MDF RACK. CONTRACTOR TO TERMINATE NEW CAT6 CABLE CONNECTIONS TO NEW CAT6 PATCH PANEL INSIDE NEW 24" WALL MOUNTED ENCLOSED RACK (HOFFMAN PART # EWMW242418). CONTRACTOR SHALL PROVIDE FIRE RATED 3/4" PLYWOOD FOR MOUNTING OF NEW RACK ADJACENT TO EXISTING RACK

02 POKE-THRU AT THIS LOCATION. CONTRACTOR SHALL DETERMINE MOST EFFICIENT ROUTE FOR CONDUIT BACK TO EXISTING MDF LOCATION. CONTRACTOR SHALL SIZE CONDUIT PER CABLING QTY REQUIREMENTS WITH A 20% OVERHEAD FOR FUTURE CABLE PULLS. CONTRACTOR SHALL PROVIDE PULL CABLE FOR FUTURE CABLE RUNS.

03 WALL MOUNTED DISPLAY



1 FIRST FLOOR-TECHNOLOGY PLANS

1/8" = 1'-0"

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

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SALAS O'BRIEN

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

TECHNOLOGY FLOOR PLAN

REGISTERED PROFESSIONAL ENGINEER
EDUARDO A. DAVILA
No. E18809
Exp. 6/30/25
ELECTRICAL
STATE OF CALIFORNIA

TECHNOLOGY
T101

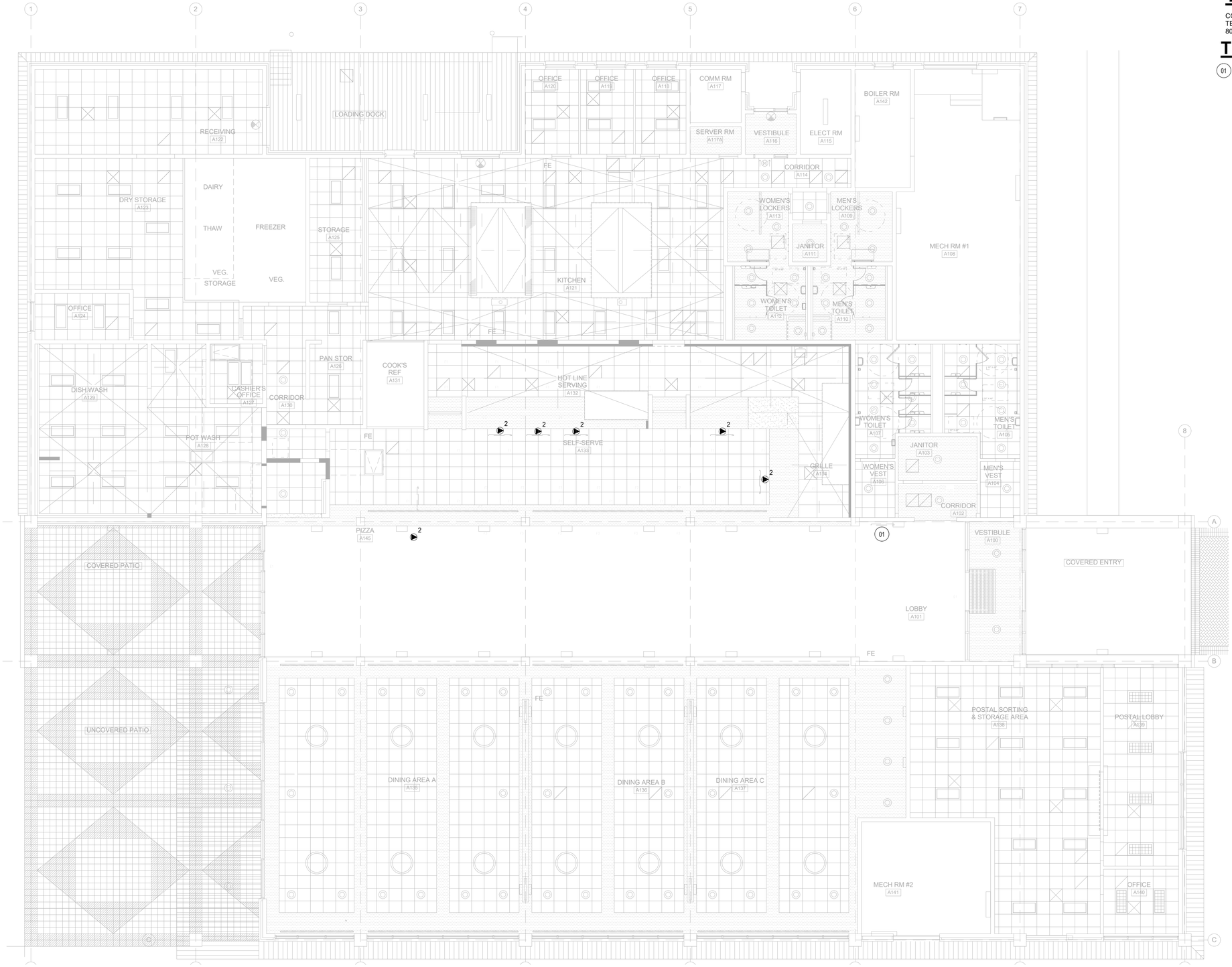
4/2/2024 5:34:34 PM

TECHNOLOGY NOTES

CONTRACTOR SHALL REMOVE ALL EXISTING UNUSED TELECOMMUNICATIONS CABLE IN ACCORDANCE WITH NEC SECTIONS 800.2, 800.52 (A) AND 800.53 (B)(1).

TECHNOLOGY KEY NOTES

(01) WALL MOUNTED DISPLAY



1 FIRST FLOOR TECHNOLOGY RCP

1/8" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER
EDUARDO A. DAVID
No. E18809
Exp. 6/30/25
ELECTRICAL
STATE OF CALIFORNIA

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

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U.S. AIR FORCE SERVICES CENTER
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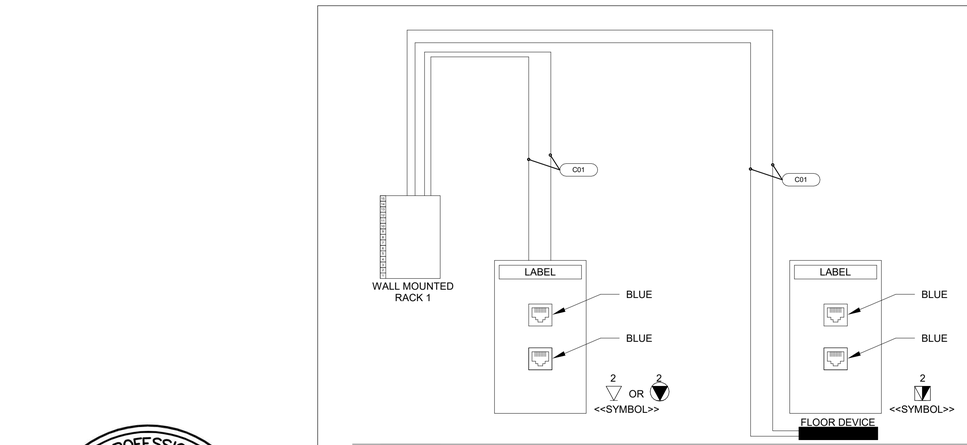
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

TECHNOLOGY RCP

TECHNOLOGY
T201

4/2/2024 5:34:35 PM



CABLE LEGEND

C-01	CATEGORY 6, BLUE CABLE

LABEL
DEVICE ID

- Standard 2-Port Data

LL### - 1-Port Devices

AP - Wireless Access Point
SC - Security
PH - Phone

EXAMPLES:

007

AP002

REGISTERED PROFESSIONAL ENGINEER
EDUARDO A. DAVID
No. E18809
Exp. 6/30/25
ELECTRICAL
STATE OF CALIFORNIA

1 CABLE DETAIL

NOT TO SCALE

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TECHNOLOGY DETAILS

TECHNOLOGY
T202

4/2/2024 10:53:45 AM

FOODSERVICE GENERAL NOTES:

1. GENERAL CONTRACTOR SHALL PROVIDE A SMOOTH, NON ABSORBENT, EASILY CLEANABLE SURFACE, LIGHT IN COLOR FOR WALLS AND CEILINGS OF ALL FOOD SERVICE AREAS. SURFACES SHALL HAVE A 70% REFLECTIVE VALUE.

2. GENERAL CONTRACTOR SHALL PROVIDE A SMOOTH COVE SURFACE AT THE JUNCTURE OF WALL AND FLOOR IN ALL FOODSERVICE AREAS. BASE TO BE SIX (6) INCHES HIGH AND HAVE A 3/8" RADIUS COVE PER HEALTH CODES.

3. GENERAL CONTRACTOR TO CONSULT WITH OWNER IF ANY SPECIAL WATER TREATMENT ARE TO BE USED IN THIS PROJECT.
FURNISH A CONTINUOUS SUPPLY OF 110 DEGREE HOT WATER TO ALL LAVATORIES, DISH AND UTENSIL WASHING FIXTURES ETC.

4. GENERAL CONTRACTOR SHALL PROVIDE IN ALL FOODSERVICE SPACES AT LEAST **TWENTY (20)** FOOT CANDLES OF LIGHT MEASURED AT **THIRTY (30)** INCHES ABOVE THE FLOOR. FOOD/UTENSIL STORAGE, TOILET AND DRESSING ROOMS SHALL BE PROVIDED WITH AT LEAST **TEN (10)** FOOT CANDLES OF LIGHT. LIGHT FIXTURES IN FOOD PREPARATION, DISH WASHING AND FOOD STORAGE AREAS SHALL BE PROTECTED AGAINST BREAKAGE THROUGH THE USE OF PLASTIC SHIELDS, PLASTIC SLEEVES, SHATTER PROOF BULBS AND/OR OTHER APPROVED DEVICES.

FOODSERVICE SPECIAL NOTES:

1. FOODSERVICE PLANS AND SPECIFICATIONS ARE FOR REFERENCE USE ONLY. SPECIFIC TO THE LOCATION OF FOODSERVICE EQUIPMENT AND FIXTURES AND THERE MECHANICAL REQUIREMENTS ONLY. "NOT FOR CONSTRUCTION"

2. SEE THE ARCHITECT AND FOODSERVICE PLANS / SPECIFICATIONS FOR THE SERVERY FIXTURES SIZES, SHAPE, FINISH INFORMATION AND DETAILS.

3. SEE THE ARCHITECTS PLANS AND SPECIFICATIONS FOR THE FLOOR, WALL, CEILING AND LIGHTING (FINISH AND PRODUCT SPECIFICATIONS). THIS INFORMATION IS NOT PART OF THE FOODSERVICE PLANS AND SPECIFICATIONS.

THE FOODSERVICE EQUIPMENT INDICATED ON THESE DRAWINGS SHALL BE MANUFACTURED AND FABRICATED TO MEET THE FOLLOWING:

N.S.F	NATIONAL SANITATION FOUNDATION.
U.L.	UNDERWRITERS LABORATORY.
A.G.A	AMERICAN GAS ASSOCIATION.
A.S.M.E.	AMERICAN SOCIETY OF MECHANICAL ENGINEERS.
N.F.P.A.	NATIONAL FIRE PROTECTION ASSOCIATION.

FOODSERVICE PLUMBING NOTES:

1. THE SOLE PURPOSE OF THESE FOODSERVICE PLANS ARE TO INDICATED THE ROUGH-IN LOCATIONS AND REQUIREMENTS FOR FOODSERVICE EQUIPMENT SHOWN ON FLOOR PLAN, EQUIPMENT/PLUMBING ROUGH-IN SCHEDULE.

2. PLUMBING CONTRACTOR IS RESPONSIBLE TO INSTALL ALL PLUMBING WORK IN ACCORDANCE WITH ALL GOVERNING CODE REQUIREMENTS. PLUMBING CONTRACTOR IS RESPONSIBLE TO IMMEDIATELY NOTIFY THE DESIGNER OF ANY CODE REQUIREMENTS NOT INDICATED ON THESE DRAWINGS.

3. ALL PLUMBING OUTLETS AND CONNECTIONS SHOWN ON FOODSERVICE ROUGH-IN PLAN ARE FOR FIXTURES AND EQUIPMENT SHOWN ON FLOOR PLAN.

4. ALL HORIZONTAL DIMENSIONS SHOWN ARE TAKEN FROM FACE OF FINISHED WALL TO CENTER LINE OF OUTLET; FROM CENTER LINE OF OUTLET TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED ON PLAN OR DETAIL.
ALL PLUMBING SYMBOLS TO STUB OUT AT HEIGHTS AS INDICATED ON FOODSERVICE PLUMBING PLAN.

5. HEIGHT INDICATED ARE FROM FINISHED FLOOR (NOT FINISHED CURB) TO CENTER LINE OF OUTLET. ALL OUTLETS NOTED AS "STUB UP" ARE TO STUB UP A MAXIMUM OF TWELVE (12) INCHES FROM FINISHED FLOOR OR FINISHED CURB.

6. PLUMBING CONTRACTOR AND KITCHEN EQUIPMENT CONTRACTOR TO VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AT JOB SITE. PLUMBING CONTRACTOR SHALL GIVE FOODSERVICE EQUIPMENT CONTRACTOR A MINIMUM OF THREE (3) DAY NOTICE TO VERIFY ALL ROUGH-IN LOCATIONS BEFORE PLUMBING FIXTURES ARE COVERED UP.

7. ALL FLOOR SINKS TO BE FLUSH WITH FINISHED FLOOR UNLESS OTHERWISE DICTATED BY LOCAL CODE. PLUMBING CONTRACTOR TO PROVIDE HALF GRATES WHERE INDICATED ON FOOD SERVICE EQUIPMENT PLUMBING ROUGH-IN PLAN.

8. KITCHEN EQUIPMENT CONTRACTOR TO FINAL CONNECT ALL WATER, GAS AND WASTE LINES ETC., FOR SINKS, DISH WASHERS, DISPOSERS ETC. DIRECT OR INDIRECT WASTE LINES ARE NOT TO BE SMALLER THAN NIPPLE OF FIXTURE ITSELF.

9. ELECTRICAL CONTRACTOR IS TO INSTALL THE FIRE SYSTEM SOLENOID VALVE IN GAS LINE. VALVE SHALL BE LOCATED IN AN ACCESSIBLE LOCATION. PLUMBING CONTRACTOR TO NOTIFY KITCHEN EQUIPMENT CONTRACTOR IN A TIMELY MANNER AS TO SIZE OF VALVE REQUIRED.

10. KITCHEN EQUIPMENT CONTRACTOR TO PROVIDE INSULATED DRAIN LINES FROM ALL COLD PANS, ICE BINS AND BLOWER COILS TO PREVENT DRAIN LINE FROM SWEATING. KITCHEN EQUIPMENT CONTRACTOR TO RUN INDIRECT WASTE LINES WITH MINIMUM FALL FROM WASTE LOCATION LOCATION.

11. PLUMBING CONTRACTOR TO PROVIDE THE FOLLOWING ITEMS:

A. GATE VALVES ON ALL WATER AND GAS LINES; WADE SHOCK STOPS ON GLASS FILLERS AND DISH WASHERS.

B. ALL VALVES, TRIMS AND PRESSURE REGULATORS NECESSARY TO CONNECT TO THE EQUIPMENT.

C. TEMPERATURE AND PRESSURE SAFETY RELEASE VALVES FOR BOOSTER HEATER AND STEAM TABLES.

D. APPROVED BACK FLOW PREVENTION DEVICES FOR ALL BEVERAGE EQUIPMENT AS REQUIRED BY CODE.

E. DIALECTIC COUPLERS WHEN CONNECTING GALVANIZED IRON PIPE TO COPPER.

12. KITCHEN EQUIPMENT CONTRACTOR TO INSTALL ALL HARD PIPING FOR WALK-IN DRAIN LINE(S) 18" DOWN FROM CEILING MOUNTED COIL(S), 45 DEGREE ELBOW FROM COIL(S) AT A MINIMUM FALL OF TWO (2) INCHES PER FOOT TO FLOOR SINK. DRAIN LINE(S) IN WALK-IN FREEZER MUST BE WRAPPED WITH HEATER CABLE AND INSULATION TO PREVENT FREEZING. HEATER CABLE AND INSULATION PROVIDED AND INSTALLED BY THE KITCHEN EQUIPMENT CONTRACTOR. "P" TRAPS MUST BE FORMED IN DRAIN LINE OUTSIDE OF UNIT AT OR NEAR FLOOR SINK. PROVIDE REQUIRED AIR GAP PER LOCAL CODE(S).

13. WASTE LINES RUNNING FROM DISPOSER UNITS SHOULD BE AS DIRECT AS POSSIBLE WITH MAXIMUM FALL. WASTE LINES ON SOME DISH WASHERS ARE AS LOW AS TWELVE (12) INCHES ABOVE FINISHED FLOOR. KITCHEN EQUIPMENT CONTRACTOR TO MAKE ADEQUATE PROVISIONS FOR "P" TRAP.

14. WATER PROVIDED TO COFFEE BREWERS MUST NOT FEED OFF WATER SOFTENERS UNLESS OTHERWISE DIRECTED.

15. ALL WORK SHOWN ON FOODSERVICE EQUIPMENT PLUMBING ROUGH-IN PLAN AND OUTLINED IN THE ABOVE NOTES, TO BE PERFORMED BY THE KITCHEN EQUIPMENT CONTRACTOR.

16. IT IS THE KITCHEN EQUIPMENT CONTRACTOR'S RESPONSIBILITY TO SEE THAT HIS PHASE OF WORK MEETS AND IS INSTALLED IN ACCORDANCE WITH THE STANDARDS REQUIRED BY ALL GOVERNMENT, GENERAL STATE, FEDERAL LAWS (INCLUDING HEALTH CODES) AND ANY AND ALL CODES PECULIAR TO THE MUNICIPALITY OF AREA WHERE JOB IS BEING INSTALLED.

FOODSERVICE ELECTRICAL NOTES:

1. THE SOLE PURPOSE OF THESE FOODSERVICE PLANS ARE TO INDICATED THE ROUGH-IN LOCATIONS AND REQUIREMENTS FOR FOODSERVICE EQUIPMENT SHOWN ON FLOOR PLAN, EQUIPMENT/ELECTRICAL ROUGH-IN SCHEDULE. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO INSTALL ANY AND ALL ELECTRICAL WORK IN ACCORDANCE WITH ALL GOVERNING CODE REQUIREMENTS.

2. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO IMMEDIATELY NOTIFY THE DESIGNER OF ANY CODE REQUIREMENTS NOT INDICATED ON THESE DRAWINGS.

3. ELECTRICAL CONTRACTOR TO PROVIDE MAGNETIC STARTERS, DISCONNECTS AND THERMO OVERLOAD PROTECTION ON ALL MOTORS AND/OR EQUIPMENT WHERE REQUIRED. ELECTRICAL ENGINEER TO PROVIDE WIRING DIAGRAMS FOR MAGNETIC STARTERS, DISCONNECTS AND THERMO OVER LOAD PROTECTION DEVISES.

4. KITCHEN EQUIPMENT CONTRACTOR IS TO CONNECT ALL ELECTRICAL FOODSERVICE EQUIPMENT AND FIXTURES AND DO ANY INTERNAL WIRING.

5. ELECTRICAL CONTRACTOR TO SIZE ALL JUNCTION BOXES; PROVIDE ALL JUNCTION BOXES, PULL BOXES AND WALL MOUNTED CONVENIENCE OUTLETS.

6. INTERNAL WIRING OF SUCH BOXES TO BE INSTALLED AND SUPPLIED BY THE KITCHEN EQUIPMENT CONTRACTOR. WHEREVER ACCESS IS NOT AVAILABLE FOR THE ELECTRICAL CONTRACTOR TO RUN HIS LINES FROM JUNCTION BOXES TO END USAGE IN THE FIXTURE, THE KITCHEN EQUIPMENT CONTRACTOR IS TO INSTALL SUITABLE CONDUIT FOR THE RUNNING OF SUCH LINES.

7. ALL CONVENIENCE OUTLETS IN WALL TO BE FLUSH WITH FINISHED WALL. ELECTRICAL CONTRACTOR TO LOCATE AND FIELD MOUNT ALL JUNCTION BOXES IN AN ACCESSIBLE LOCATION. KITCHEN EQUIPMENT CONTRACTOR TO PROVIDE ACCESS PANELS AT ALL SUCH LOCATIONS. KITCHEN EQUIPMENT CONTRACTOR TO COORDINATE LOCATIONS OF JUNCTION BOXES AND ELECTRICAL PANELS WITH ELECTRICAL CONTRACTOR.

8. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL REFRIGERATION CONDUIT LINES FROM COMPRESSOR AREA TO PULL BOXES OR STUB-DNS AS INDICATED ON THE FOODSERVICE EQUIPMENT REFRIGERATION PLAN. CONDUIT TO BE ROUND TRANSITE (OR EQUAL) WITH DIAMETER AS INDICATED WITH MINIMUM RADIUS BENDS OF 24" (IF REQUIRED).

9. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMPTY CONDUIT LINES FOR SODA LINES AS INDICATED ON FOODSERVICE EQUIPMENT SPECIAL CONDTIONS PLAN. CONDUIT TO BE 6" DIAMETER ROUND METAL AS INDICATED WITH MINIMUM RADIUS BENDS OF 24".

10. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL EMPTY CONDUITS FOR COMPUTER(S) AND POINT OF SALE SYSTEMS. SEE GOVERNMENT FOR ALL NECESSARY INFORMATION. GOVERNMENT TO PROVIDE THIS INFORMATION BEFORE WALLS AND GROUND ARE COVERED UP AND FOODSERVICE EQUIPMENT IS SET IN PLACE.

11. KITCHEN EQUIPMENT CONTRACTOR TO CONNECT ALL COMPRESSORS AND BLOWER COILS COMPLETE WITH DISCONNECTS AND MAGNETIC STARTERS AS REQUIRED.

12. ELECTRICAL CONTRACTOR TO PROVIDE PROVIDE HOOK UPS AND WIRING TO VAPOR PROOF LIGHTS IN WALK-IN COOLER/FREEZER COMPLETE WITH SWITCH WIRING LOCATED INSIDE AND OUTSIDE.
PROVIDE POWER AT CONDENSER UNIT LOCATIONS (SEE FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN FOR LOCATION AND REQUIREMENTS. PROVIDE A FIVE (5) WIRE COLOR CODED AUTO DEFROST SERVICE FROM BLOWER COIL TO REMOTE COMPRESSOR.

13. ELECTRICAL CONTRACTOR TO PROVIDE POWER ON ROOF AND CONNECT EXHAUST AND MAKE-UP AIR FANS. LOCATE SWITCHES WITH RED PILOT LIGHTS AS SHOWN ON FOODSERVICE EQUIPMENT ELECTRICAL ROUGH-IN PLAN OR AS DIRECTED BY H.V.A.C CONTRACTOR AND ELECTRICAL ENGINEER.
KITCHEN EQUIPMENT CONTRACTOR TO FINAL CONNECT VAPOR PROOF LIGHTS. ELECTRICAL CONTRACTOR TO INTERCONNECT EXHAUST AND MAKE-UP AIR FANS AS REQUIRED BY LOCAL CODE(S).

14. ELECTRICAL CONTRACTOR TO PROVIDE STAINLESS STEEL COVER PLATES FOR ANY FULLY OR PARTIALLY EXPOSED PULL BOXES AND/OR ACCESS BOXES AND TO PROVIDE STAINLESS STEEL COVER PLATES FOR ALL CONVENIENCE OUTLETS.

15. THE SYMBOLS ON THE FOODSERVICE EQUIPMENT ELECTRICAL ROUGH-IN PLAN ARE TO INDICATE LOCATION AND TYPE OF CONNECTION ONLY. ELECTRICAL CONTRACTOR TO PROVIDE CIRCUITS AND CONDUIT RUNS AS REQUIRED.
WHERE THE J-BOX SYMBOLS ARE INDICATED FOR A SOLID/DIRECT CONNECTION, ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT TO J-BOX (AND PHYSICAL BOX) STUBBED OUT FROM THE WALL AT THE LOCATION AND HEIGHT NOTED WITHIN THE FOODSERVICE DRAWINGS.

16. ELECTRICAL CONTRACTOR SHALL INSTALL AND PROVIDE LOCK-OUT DEVICES ON ALL BREAKERS FOR CLOCKS, REFRIGERATION, CONTROL WIRING, EXHAUST SYSTEM CONTROLS AND FIRE EXTINGUISHING SYSTEMS.

17. ELECTRICAL CONTRACTOR TO VERIFY WITH PLUMBING CONTRACTOR LOCATION OF GAS SOLENOID VALVE. ELECTRICAL CONTRACTOR TO SUPPLY POWER AND FINAL CONNECTION.

18. ALL CONVENIENCE OUTLETS TO BE SET HORIZONTALLY. ALL OUTLETS AND CONNECTIONS SHOWN ON THE FOODSERVICE EQUIPMENT ELECTRICAL ROUGH-IN PLAN ARE FOR FOODSERVICE EQUIPMENT SHOWN ON FOODSERVICE EQUIPMENT FLOOR PLAN ONLY. SEE ARCHITECT, OWNER AND/OR ELECTRICAL ENGINEER'S PLAN FOR ADDITIONAL REQUIREMENTS.

19. ALL DIMENSIONS SHOWN ON FOOD SERVICE EQUIPMENT ELECTRICAL ROUGH-IN PLAN ARE FROM FINISHED WALL TO CENTER LINE OF OUTLET. FROM CENTER LINE OF OUTLET TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE. OUTLET HEIGHTS ARE GIVEN FROM FINISHED FLOOR (NOT TOP OF FINISHED CURB) TO CENTER LINE OF OUTLET. OUTLETS NOTED "STUB UP" ARE TO STUB UP SIX (6) INCHES ABOVE FINISHED FLOOR OR CURB.

20. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL FUSED DISCONNECT SWITCHES ON FOODSERVICE EQUIPMENT WHERE REQUIRED BY LOCAL CODE(S).

21. ALL WORK SHOWN ON FOODSERVICE EQUIPMENT ELECTRICAL ROUGH-IN PLAN AND OUTLINED IN THE ABOVE NOTES, TO BE PERFORMED BY THE ELECTRICAL CONTRACTOR. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO SEE THAT HIS PHASE OF WORK MEETS AND IS INSTALLED IN ACCORDANCE WITH THE STANDARDS REQUIRED BY ALL GENERAL STATE, FEDERAL LAWS (INCLUDING HEALTH CODES) AND ANY AND ALL CODES PECULIAR TO THE MUNICIPALITY OF AREA WHERE JOB IS BEING INSTALLED.

FOODSERVICE EXHAUST/BUILDING WORK NOTES:

1. THE SOLE PURPOSE OF THESE FOODSERVICE PLANS ARE PROVIDED FOR THE SOLE PURPOSE OF INDICATING MECHANICAL LOCATIONS AND FOODSERVICE EQUIPMENT REQUIREMENTS AS SHOWN ON FOODSERVICE EQUIPMENT FLOOR PLAN AND ARE NOT TO BE CONSTRUED BY THE GENERAL CONTRACTOR OR HIS SUB-CONTRACTORS AS TO RELIEVE THEM FROM THEIR RESPONSIBILITY OF COMPLYING WITH ALL APPLICABLE CODES. THESE FOODSERVICE PLANS ARE FOR INFORMATION ONLY, REFER TO ENGINEERED MECHANICAL DRAWINGS (BY OTHERS) FOR ADDITIONAL INFORMATION, CALCULATIONS AND REQUIREMENTS.

2. IT SHALL BE THE RESPONSIBILITY OF THE GOVERNMENT AND/OR HIS ASSIGNED AGENTS TO ENSURE THAT THE DESIGNER RECEIVES COPIES OF ALL ADDENDUM AND CHANGES TO BUILDING PLANS WHICH ARE MADE PRIOR TO AND DURING CONSTRUCTION.
IN THE EVENT THAT THIS INFORMATION IS NOT DELIVERED TO THE DESIGNER, GOVERNMENT WILL BE RESPONSIBLE FOR ALL COSTS INCURRED BY THE FAILURE TO PROVIDE THIS INFORMATION.

3. GENERAL CONTRACTOR SHALL PROVIDE PROPER WALL BACKING FOR ALL WALL HUNG FOODSERVICE EQUIPMENT, SHELVING ETC., AS SHOWN ON THE FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN.

4. KITCHEN EQUIPMENT CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL DEBRIS CREATED BY HIS WORK ON A DAILY BASIS IN ORDER TO MAINTAIN A CLEAN SITE.

5. SPRINKLER HEADS IN WALK-IN FREEZER/COOLER WILL BE SUPPLIED BY AND ADEQUATELY PROTECTED AGAINST FREEZING UP BY THE GENERAL CONTRACTOR. THIS INCLUDES FIRE CAULKING HOLES IN THE WALK-IN BOXES CEILINGS FOR SPRINKLER HEADS.

6. H.V.A.C CONTRACTOR TO ENSURE THAT ALL EXHAUST FANS WILL BE CAPABLE OF DELIVERING THE CFM REQUIREMENTS AS NOTED ON THE FOODSERVICE DRAWINGS. THE DESIGNER IS NOT RESPONSIBLE FOR ANY OBJECTIONABLE ODORS AND/OR SMOKE DELIVERED INTO THE SURROUNDING AREA. H.V.A.C CONTRACTOR TO BALANCE EXHAUST, MAKE UP AIR AND/OR AIR CONDITIONING AND IS RESPONSIBLE FOR OBTAINING ALL THE REQUIRED PERMITS PRIOR TO INSTALLATION. ONCE HOOD INSTALLATION IS COMPLETE IT IS THE MECHANICAL CONTRACTORS RESPOSIBILY TO SUBMIT AN FULL AIR BALICING REPORT TO ENSURE THE PROPER FUNCTION OF THE EXHAUST HOODS.

7. GENERAL CONTRACTOR TO CUT HOLES THROUGH CEILING, ROOF AND WALLS FOR DUCTS IN ACCORDANCE WITH LOCAL FIRE AND BUILDING CODES. GENERAL CONTRACTOR TO PROVIDE DUCT SEPARATIONS, ENCLOSURES, WRAPPINGS, SPRINKLER SYSTEMS ETC., AS MAY BE REQUIRED BY LOCAL CODES.

8. THE MAKE-UP AIR SYSTEM SHALL HAVE SUFFICIENT CAPACITY TO MAKE UP 100% OF THE AIR BEING EXHAUSTED AND SHALL BE BALANCED TO MAKE UP 90% OF THAT AIR. MAKE-UP AIR GRILLS SHALL BE EQUIPPED FOR MAXIMUM VELOCITY OF 400 FPM. MAKE-UP AIR SHALL BE DELIVERED IN THE PROXIMITY OF THE EXHAUST SYSTEM IN A MANNER AS TO NOT CREATE AIR TURBULENCE IN THE WORKING AREA. MAKE UP AIR SYSTEM SHALL BE CAPABLE OF DELIVERING AIR AT 70 DEGREES FAHRENHEIT.

9. UNLESS OTHER PROVISIONS ARE MADE AND/OR INDICATED ON THE FOODSERVICE PLANS, GENERAL CONTRACTOR AND/OR H.V.A.C. CONTRACTOR TO PROVIDE TEMPERED MAKE UP AIR FOR EXHAUST HOODS IN ACCORDANCE WITH REQUIREMENTS INDICATED.

10. IN EVENT A RACEWAY IS INDICATED ON FOODSERVICE EQUIPMENT CURB PLAN, THE GENERAL CONTRACTOR WILL BACK FILL EXPOSED AND ACCESSIBLE OPENING OF RACE WAYS AND OTHER EXCESSIVE OPENINGS AFTER INSTALLATION OF FOOD SERVICE EQUIPMENT TO PREVENT VERMIN INFESTATION.

11. WHERE NOISY OR VIBRATION PRODUCING EQUIPMENT IS LOCATED ADJACENT TO DINING AREAS, GENERAL CONTRACTOR MUST MAKE PROVISIONS TO DOUBLE STUD AND/OR SOUND PROOF COMMON WALLS. ALL SOUND ISOLATION MOUNTING MEASURES SHALL BE USED IN THIS CASE.

12. SWINGING DOORS IN PASSAGE WAYS SHALL BE PROVIDED WITH WINDOWS WHICH SHALL BE 8" X 24" OR OF SUBSTANTIAL EQUIVALENT AREA TO MEET OSHA REQUIREMENTS. THE GLASS SHALL EITHER BE SHATTER PROOF, NOT MORE THAN 48" ABOVE FINISHED FLOOR.

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FS101	FOODSERVICE FIXTURE AND EQUIPMENT FLOOR PLAN AND LEGEND (SERVERY AREA)
FS102	FOODSERVICE FIXTURE AND EQUIPMENT FLOOR PLAN AND LEGEND (DINING ROOM)
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FS200	FOODSERVICE FIXTURE AND EQUIPMENT SCHEDULE
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FS807	FOODSERVICE FIXTURE AND EQUIPMENT ELEVATIONS
FS900	FOODSERVICE STANDARD DETAILS
FS901	FOODSERVICE STANDARD DETAILS

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: KK
SIZE: ANSI D

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
428 CHAPPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE GENERAL NOTES AND INDEX TO PLANS

FOODSERVICE

FS000

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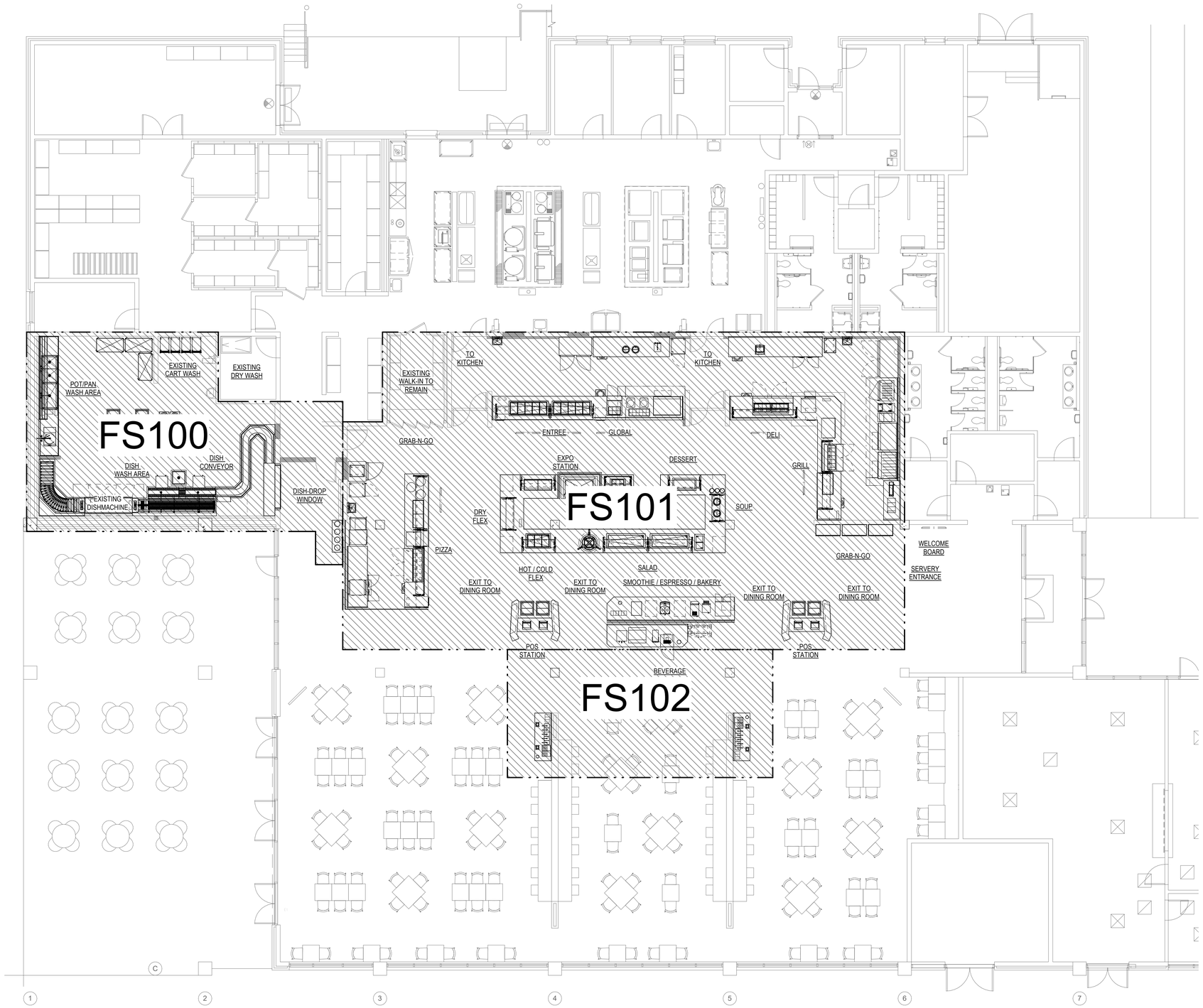

1 FOODSERVICE AREA KEYPLAN
1/8" = 1'-0"

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: AK
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CHECKED BY: KK
SUBMITTED BY: KK
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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT AREA KEYPLAN

FOODSERVICE

FS001

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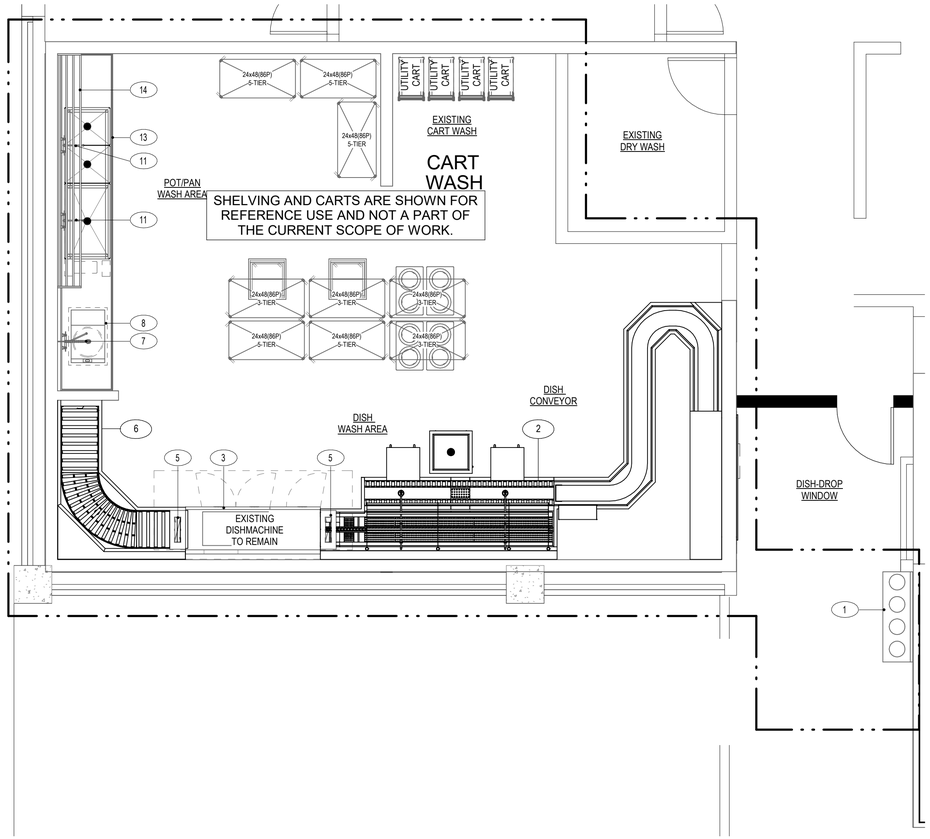

1 FOODSERVICE FIXTURE AND EQUIPMENT FLOOR PLAN AND LEGEND (DISHWASH AREA)
1/4" = 1'-0"

EQUIPMENT LEGEND - DISHWASH

ITEM #	QTY	DESCRIPTION
1	1	TRASH DROP COUNTER
2	1	DISHWASHER CONVEYOR
3	1	RACK CONVEYOR DISHWASHER
4	1	CONVEYOR DISHMACHINE
5	2	VENT DUCT
6	1	CONVEYOR
7	1	PRE-RINSE W/ FAUCET
8	1	POT/PAN TRASH COLLECTOR
9	1	SPARE NUMBER
10	1	SPARE NUMBER
11	2	POWERSOAK SINK FAUCET
12	1	SPARE NUMBER
13	1	POT/PAN POWER WASH SINK
14	1	TUBULAR WALL SHELF W/ POT HOOKS
15-20	1	SPARE NUMBER

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: ER
SIZE: ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT FLOOR PLAN AND LEGEND (DISHWASH AREA)

FOODSERVICE

FS100

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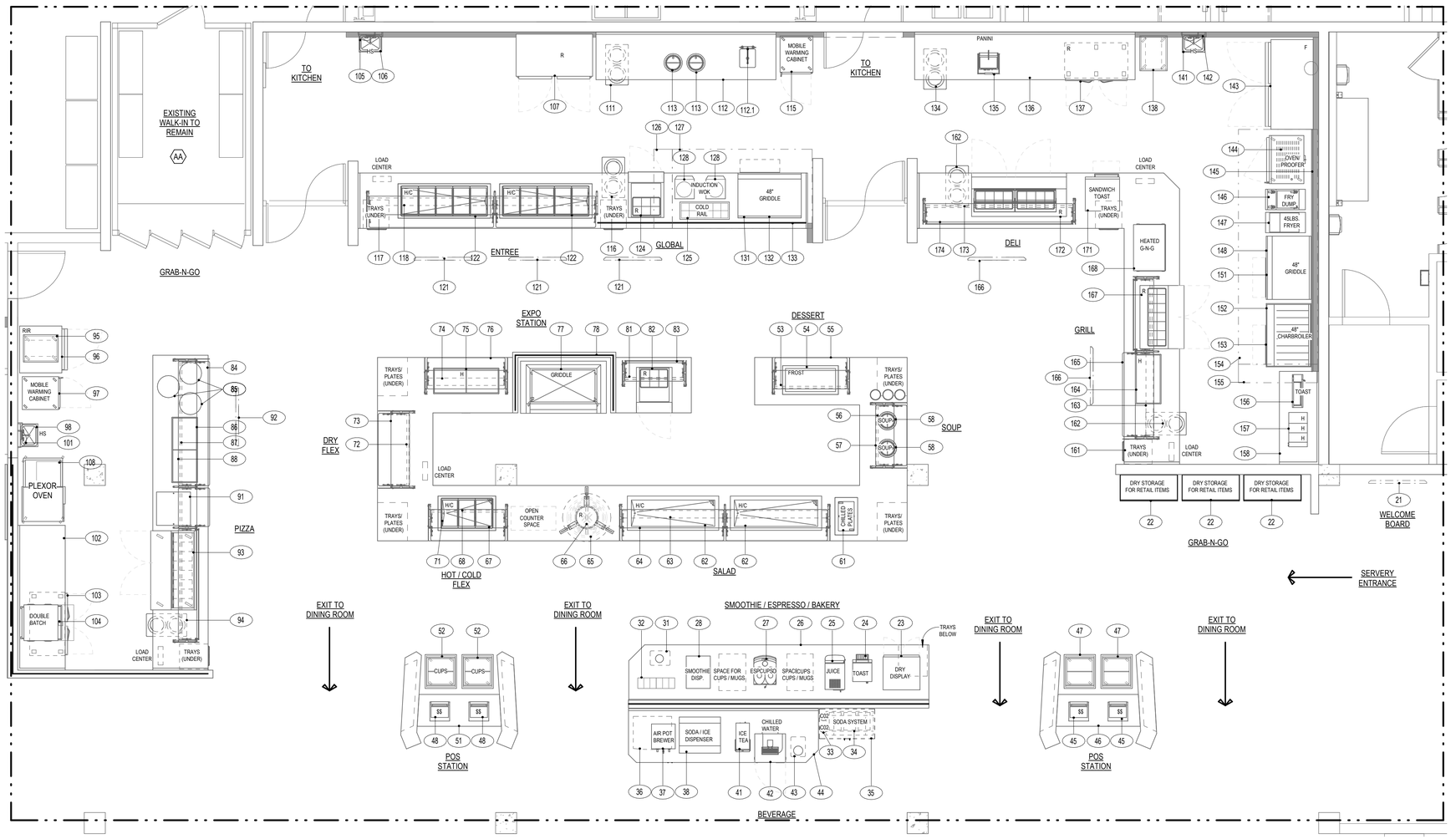


1 FOODSERVICE FIXTURE AND EQUIPMENT FLOOR PLAN AND LEGEND (SERVERY AREA)
1/4" = 1'-0"

EQUIPMENT LEGEND -...

ITEM #	QTY	DESCRIPTION
21	1	DIGITAL MENU BOARD
22	3	DRY STORAGE SHELVING
23	1	SELF-SERVE BAKERY DISPLAY
24	1	CONVEYOR TOASTER
25	1	JUICE DISPENSER
26	1	BEVERAGE COUNTER
27	1	ESPRESSO MACHINE
28	1	SMOOTHIE MAKER
29	1	SPARE NUMBER
30	1	SPARE NUMBER
31	1	TRASH RECEPTACLE
32	1	CONDIMENT DISPENSER
33	2	CO2 TANK
34	1	SODA SYSTEM W/ RACK
35	1	B-N-B CABINET
36	1	ICE MACHINE
37	1	COFFEE BREWER
38	1	SODA AND ICE DISPENSER
39	1	SPARE NUMBER
40	1	SPARE NUMBER
41	1	ICED TEA BREWER / DISPENSER
42	1	CHILLED WATER DISPENSER
43	1	TRASH RECEPTACLE
44	1	BEVERAGE COUNTER
45	2	POS SYSTEM
46	1	POS COUNTER
47	2	MOBILE CLEAN DISH STORAGE
48	2	POS SYSTEM
49	1	SPARE NUMBER
50	1	SPARE NUMBER
51	1	POS COUNTER
52	2	MOBILE CLEAN DISH STORAGE
53	1	LED LIGHT UNIT
54	1	FROST TOP
55	1	SNEEZE GUARD
56	1	LED LIGHT UNIT
57	1	SNEEZE GUARD
58	2	INDUCTION SOUP WELL
59	1	SPARE NUMBER
60	1	SPARE NUMBER
61	1	PLATE CHILLER
62	2	HOT/COLD WELL
63	1	HEAT LAMP W/ LED LIGHT
64	1	SNEEZE GUARD
65	1	ROTATING COLD PAN
66	1	LED LIGHT UNIT
67	1	SNEEZE GUARD
68	1	LED LIGHT UNIT
69	1	SPARE NUMBER
70	1	SERVING COUNTER
71	1	HOT/COLD WELL W/ AUTO FILL
72	1	LED LIGHT UNIT
73	1	SNEEZE GUARD
74	1	HEAT LAMP W/ LED LIGHT
75	1	GLASS HEATED DECK
76	1	SNEEZE GUARD
77	1	VENTLESS GRIDDLE
78	3	VERTICAL SNEEZE GUARD
79	1	SPARE NUMBER
80	1	SPARE NUMBER
81	1	LED LIGHT UNIT
82	1	REFRIGERATED MAKE-UP TABLE
83	1	SNEEZE GUARD
84	1	PIZZA SERVING COUNTER
85	3	GLASS HEATED DECK
86	1	GLASS HEATED DECK
87	1	LED LIGHT UNIT
88	1	SNEEZE GUARD
89	1	SPARE NUMBER
90	1	SPARE NUMBER
91	1	CUTTING BOARD
92	1	DIGITAL MENU BOARD
93	1	PIZZA PREP TABLE
94	1	PLATE DISPENSER
95	1	PAN RACK CART
96	1	ROLL-IN REFRIGERATOR
97	1	MOBILE HEATED CABINET
98	1	HAND SINK
99	1	SPARE NUMBER
100	1	SPARE NUMBER

EQUIPMENT LEGEND -...

ITEM #	QTY	DESCRIPTION
165	1	SNEEZE GUARD
166	2	DIGITAL MENU BOARD
167	1	REFRIGERATED MAKE-UP TABLE
168	1	HEATED SLIDE
169	1	SPARE NUMBER
170	1	SPARE NUMBER
171	1	TURBOCHEF
172	1	REFRIGERATED SANDWICH PREP
173	1	LED LIGHT UNIT
174	1	SNEEZE GUARD
175-179	1	SPARE NUMBER
181	2	MOBILE CONDIMENT COUNTER
182	2	CONDIMENT DISPENSER
183	4	NAPKIN DISPENSER
184	10	PUMP CONDIMENTS
185	2	SILVERWARE ORGANIZER
186	2	TRASH RECEPTACLE
187	1	SPARE NUMBER
188	1	SPARE NUMBER
189	1	SPARE NUMBER
199-200	1	SPARE NUMBER

EQUIPMENT LEGEND -...

ITEM #	QTY	DESCRIPTION
143	1	ROLL-IN FREEZER
144	1	OVEN/PROOFER
145	1	WALL BACKING
146	1	HEATED FRY DUMP
147	1	45LBS. FRYER W/ FILTER
148	1	48" GRIDDLE
149	1	SPARE NUMBER
150	1	SPARE NUMBER
151	1	REFRIGERATED EQUIPMENT BASE
152	1	48" CHARBROILER
153	1	REFRIGERATED EQUIPMENT BASE
154	1	EXHAUST HOOD
155	1	FIRE SUPPRESSION SYSTEM
156	1	VERTICAL TOASTER
157	1	HOT HOLDING CABINET
158	1	BACK SERVICE COUNTER
159	1	SPARE NUMBER
160	1	SPARE NUMBER
161	1	DELI / GRILL SERVING COUNTER
162	2	PLATE DISPENSER
163	1	HEAT LAMP W/ LED LIGHT
164	1	GLASS HEATED SHELF

EQUIPMENT LEGEND -...

ITEM #	QTY	DESCRIPTION
121	3	DIGITAL MENU BOARD
122	2	HOT/COLD WELL W/ AUTO FILL
123	1	SPARE NUMBER
124	1	REFRIGERATED MAKE-UP TABLE
125	1	REFRIGERATED RAIL
126	1	FIRE SUPPRESSION SYSTEM
127	1	EXHAUST HOOD
128	2	INDUCTION WOK
129	1	SPARE NUMBER
130	1	SPARE NUMBER
131	1	REFRIGERATED EQUIPMENT BASE
132	1	48" GRIDDLE
133	1	VERTICAL SNEEZE GUARD
134	1	PLATE DISPENSER
135	1	PANINI WARMER
136	1	BACK SERVICE COUNTER
137	1	U/C REFRIGERATOR
138	1	PAN RACK CART
139	1	SPARE NUMBER
140	1	SPARE NUMBER
141	1	HAND SINK
142	1	SOAP & TOWEL DISPENSER

EQUIPMENT LEGEND -...

ITEM #	QTY	DESCRIPTION
101	1	SOAP & TOWEL DISPENSER
102	1	BACK SERVICE COUNTER
103	1	U/C REFRIGERATOR
104	1	DOUBLE BATCH OVEN
105	1	SOAP & TOWEL DISPENSER
106	1	HAND SINK
107	1	REACH-IN REFRIGERATOR
108	1	PLEXOR OVEN
109	1	SPARE NUMBER
110	1	SPARE NUMBER
111	1	PLATE DISPENSER
112	1	BACK SERVICE COUNTER W/ SINK
112.1	1	DECK MOUNT FAUCET
113	2	INDUCTION SOUP WELL
114	1	SPARE NUMBER
115	1	MOBILE HEATED CABINET
116	1	PLATE DISPENSER
117	1	SNEEZE GUARD
118	1	HEAT LAMP W/ LED LIGHT
119	1	ENTREE / GLOBAL SERVING COUNTER
120	1	SPARE NUMBER

1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024
MARK	DESCRIPTION	DATE

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: ED
SIZE: ANSI D

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

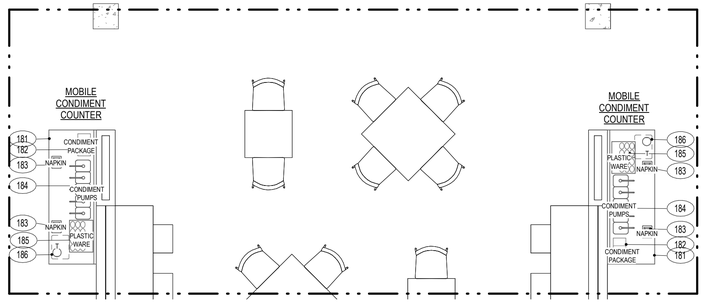
FOODSERVICE FIXTURE AND EQUIPMENT FLOOR PLAN AND LEGEND (SERVERY AREA)

FOODSERVICE

FS101

4/2/2024 2:49:45 PM

EQUIPMENT LEGEND - DINING ROOM		
ITEM #	QTY	DESCRIPTION
181	2	MOBILE CONDIMENT COUNTER
182	2	CONDIMENT DISPENSER
183	4	NAPKIN DISPENSER
184	10	PUMP CONDIMENTS
185	2	SILVERWARE ORGANIZER
186	2	TRASH RECEPTACLE
187	1	SPARE NUMBER
188	1	SPARE NUMBER
189	1	SPARE NUMBER
199-200	1	SPARE NUMBER



1 FOODSERVICE FIXTURE AND EQUIPMENT FLOOR PLAN AND LEGEND (DINING ROOM)
1/4" = 1'-0"

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: EK
SIZE: ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

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Andrew Keaggy

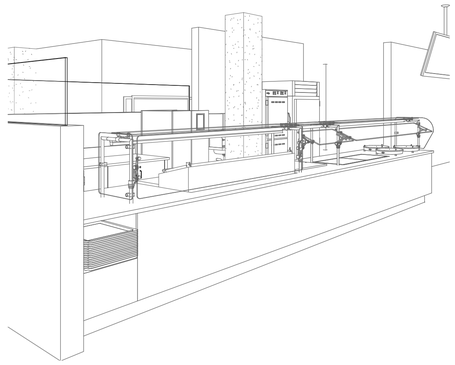
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT FLOOR PLAN AND LEGEND (DINING ROOM)

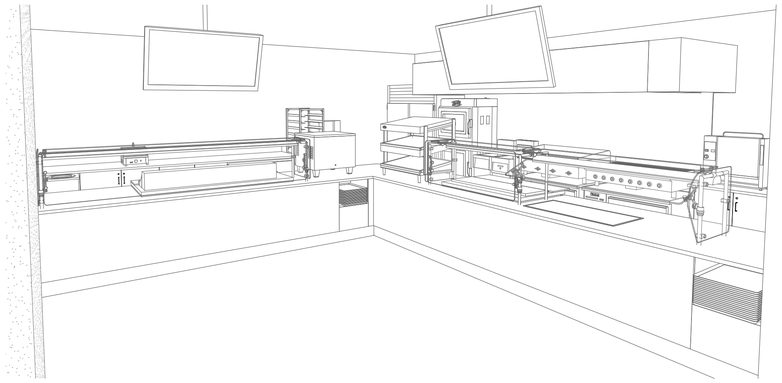
FOODSERVICE

FS102

4/2/2024 2:49:45 PM

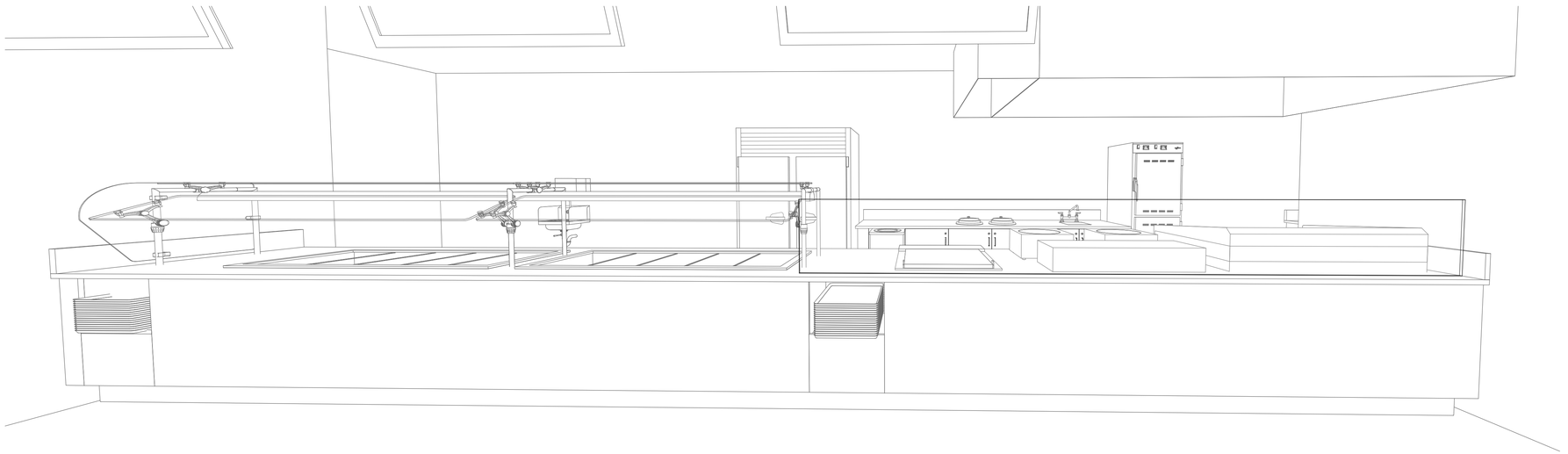


2J ISOMETRIC VIEW - PIZZA STATION



9J ISOMETRIC VIEW - DELI/GRILL STATIONS

16J ISOMETRIC VIEW - SALAD/SOUP STATION



2B ISOMETRIC VIEW - ENTREE/GLOBAL STATIONS

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: EK
SIZE: ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
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Consultant of Record
Andrew Keaggy

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE IXTURE AND EQUIPMENT ISOMETRIC VIEWS

FOODSERVICE

FS103

4/2/2024 2:49:51 PM

FOODSERVICE FIXTURE AND EQUIPMENT SCHEDULE

ITEM #	QTY	DESCRIPTION	PROVIDED BY	MAKE	MODEL	VOLTS	PH	AMPS	ELEC. AFF.	HP	J-BOX	PLUG	ELEC. REMARKS	WATER AFF.	CW SIZE	HW SIZE	DIRECT SIZE	INDIRECT WASTE	GAS AFF.	GAS SIZE	BTU	PLUMBING REMARKS
1	1	TRASH DROP COUNTER	K.E.C.	NICHOLS	FABRICATED																	
2	1	DISHWASHER CONVEYOR	K.E.C.	AEROWERKS	FABRICATED	208V	1	15 A	STUB		X		SEE ENGINEERED DRAWINGS FOR MORE INFORMATION		(6) 1/2"	(6) 1/2"		FS				INDIRECT WASTE TO FLOOR SINK
3	1	RACK CONVEYOR DISHWASHER	G.F.G.I	N.I.K.E.C.	EXISTING TO REMAIN						X		SEE EXISTING DISHMACHINE FOR EXISTING UTILITY INFORMATION									
4	1	CONVEYOR DISHMACHINE	K.E.C.	VERIFY	VERIFY	120/208 V	1	125 A	STUB		X											
5	2	VENT DUCT	K.E.C.	FABRICATED	FABRICATED																	
6	1	CONVEYOR	K.E.C.	AEROWERKS																		
7	1	PRE-RINSE W/ FAUCET	K.E.C.	T&S BRASS	B-0133-12-CR-B									24"	1/2"	1/2"						
8	1	POT/PAN TRASH COLLECTOR	K.E.C.	SALVAJOR	P914	120 V	1	11 A	24"	3/4	X			18"	1/2"	1/2"	2"					
9	1	SPARE NUMBER		--	--																	
10	1	SPARE NUMBER		--	--																	
11	2	POWERSOAK SINK FAUCET	K.E.C.	T&S BRASS	B-0231									24"	1/2"	1/2"						
12	1	SPARE NUMBER		--	--																	
13	1	POT/PAN POWER WASH SINK	K.E.C.	NICHOLS	FABRICATED	120 V	1	30 A	STUB		X							FS				INDIRECT WASTE DRAIN TO FLOOR SINK
14	1	TUBULAR WALL SHELF W/ POT HOOKS	K.E.C.	NICHOLS	FABRICATED																	
15-20	1	SPARE NUMBER		--	--																	
21	1	DIGITAL MENU BOARD																				
22	3	DRY STORAGE SHELVING	K.E.C.	NICHOLS	FABRICATED																	
23	1	SELF-SERVE BAKERY DISPLAY	K.E.C.	STRUCTURAL CONCEPTS	CGS2830	120 V	1	2 A	48"			X	NEMA 5-15P									
24	1	CONVEYOR TOASTER	K.E.C.	HATCO	TQ-10	120 V	1	15 A	48"			X	NEMA 5-20P									
25	1	JUICE DISPENSER	K.E.C.	BUNN	37300.0004	120 V	1	6 A	48"			X		18"	1/4"							
26	1	BEVERAGE COUNTER	K.E.C.	NICHOLS	FABRICATED	120 V	1	16 A	48"			X	(2) CONVENIENCE OUTLETS	48"								
27	1	ESPRESSO MACHINE	K.E.C.	NESCAFE	BEAN-TO-CUP	208 V	1	30 A	48"			X		18"	3/8"			FS				INDIRECT WASTE DRAIN TO FLOOR SINK
28	1	SMOOTHIE MAKER	K.E.C.	VERIFY	VERIFY	120 V	1	10 A	STUB		X											
29	1	SPARE NUMBER		--	--																	
30	1	SPARE NUMBER		--	--																	
31	1	TRASH RECEPTACLE	K.E.C.	RUBBERMAID	SLIM JIM																	
32	1	CONDIMENT DISPENSER	K.E.C.	STAR	CD3S																	
33	2	CO2 TANK	G.F.G.I	N.I.K.E.C.	BY VENDOR																	
34	1	SODA SYSTEM W/ RACK	G.F.G.I	N.I.K.E.C.	BY VENDOR	120 V	1	16 A	48"			X		18"	1/2"							
35	1	B-N-B CABINET	K.E.C.	NICHOLS	FABRICATED																	
36	1	ICE MACHINE	K.E.C.	FOLLETT	HCC1410ABS	208 V	1	20 A	12"			X	NEMA 6-20P	12"	3/8"			FS				INDIRECT WASTE DRAIN TO FLOOR SINK
37	1	COFFEE BREWER	G.F.G.I	N.I.K.E.C.	BY VENDOR	120/208 V	1	28.8 A	12"			X	DUAL VOLTAGE	18"	1/4"							
38	1	SODA AND ICE DISPENSER	K.E.C.	FOLLETT	VU155M8RL	120 V	1	2.4 A	12"			X	SELF CONTAINED, NEMA 5-15P	18"	1/2"			FS				INDIRECT WASTE TO FLOOR SINK. CW CONN FROM FILTER
39	1	SPARE NUMBER		--	--																	
40	1	SPARE NUMBER		--	--																	
41	1	ICED TEA BREWER / DISPENSER	G.F.G.I	N.I.K.E.C.	BY VENDOR	120 V	1	12 A	48"			X	VFY REQUIREMENTS W/ VENDOR PRIOR TO ROUGH-IN	18"	1/2"							CW CONN. FROM FILTER
42	1	CHILLED WATER DISPENSER	K.E.C.	VIVERAU	V3-202	120 V	1	11 A	48"			X	5-15P NEMA	18"	1/2"			FS				INDIRECT WASTE DRAIN TO FLOOR SINK
43	1	TRASH RECEPTACLE	G.F.G.I	RUBBERMAID	SLIM JIM																	
44	1	BEVERAGE COUNTER	K.E.C.	NICHOLS	FABRICATED	120 V	1	16 A	48"			X	(2) CONVENIENCE OUTLETS									
45	2	POS SYSTEM	G.F.G.I	G.F.G.I	BY OWNER	120/208 V	1	20 A	24"			X	W/ DATA OUTLET									
46	1	POS COUNTER	K.E.C.	NICHOLS	FABRICATED																	
47	2	MOBILE CLEAN DISH STORAGE	K.E.C.	LAKESIDE	998																	
48	2	POS SYSTEM	G.F.G.I	G.F.G.I	BY OWNER	120/208 V	1	20 A	24"			X	W/ DATA OUTLET									
49	1	SPARE NUMBER		--	--																	
50	1	SPARE NUMBER		--	--																	
51	1	POS COUNTER	K.E.C.	NICHOLS	FABRICATED																	
52	2	MOBILE CLEAN DISH STORAGE	K.E.C.	LAKESIDE	998																	
53	1	LED LIGHT UNIT	K.E.C.	BSI	2580	120 V	1	15 A	FROM #70		X		WIRE HEAT/LIGHT LAMP THRU SNEEZE GUARD LEG TO CONTROL BOX IN COUNTER									
54	1	FROST TOP	K.E.C.	RANDELL	RFT-3	120 V	1	3.5 A	FROM #70			X						FS				INDIRECT WASTE DRAIN TO FLOOR SINK
55	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
56	1	LED LIGHT UNIT	K.E.C.	BSI	2580	120 V	1	15 A	FROM #70		X		WIRE HEAT/LIGHT LAMP THRU SNEEZE GUARD LEG TO CONTROL BOX IN COUNTER									
57	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
58	2	INDUCTION SOUP WELL	K.E.C.	VOLLRATH	741101D	120 V	1	6.7 A	FROM #70			X	NEMA 5-15P									
59	1	SPARE NUMBER		--	--																	
60	1	SPARE NUMBER		--	--																	
61	1	PLATE CHILLER	K.E.C.	RANDELL	9550A	120 V	1	6.3 A	FROM #70	0.33		X	SELF CONTAINED, NEMA 5-15P									
62	2	HOT/COLD WELL	K.E.C.	RANDELL	9580-5A-208Z	208 V	1	21.2 A	FROM #70	0.25		X		18"	1/2"			FS				CW CONN FOR AUTO-FILL, DRAIN TO FLOOR SINK
63	1	HEAT LAMP W/ LED LIGHT	K.E.C.	BSI	705	120 V	1	15 A	FROM #70		X											
64	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
65	1	ROTATING COLD PAN	K.E.C.	BSI	CUSTOM	120 V	1	10 A	FROM #70			X						FS				INDIRECT WASTE DRAIN TO FLOOR SINK
66	1	LED LIGHT UNIT	K.E.C.	BSI	2580	120 V	1	0 A	FROM #70		X		WIRE HEAT/LIGHT LAMP THRU SNEEZE GUARD LEG TO CONTROL BOX IN COUNTER									
67	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
68	1	LED LIGHT UNIT	K.E.C.	BSI	2580	120 V	1	15 A	FROM #70		X		WIRE HEAT/LIGHT LAMP THRU SNEEZE GUARD LEG TO CONTROL BOX IN COUNTER									
69	1	SPARE NUMBER		--	--																	
70	1	SERVING COUNTER	K.E.C.	NICHOLS	FABRICATED	120/208 V	1	125 A	STUB		X		LOAD CENTER									
71	1	HOT/COLD WELL W/ AUTO FILL	K.E.C.	RANDELL	9580-3A-208Z	120/208 V	1	15.9 A	FROM #70			X		18"	1/2"			FS				INDIRECT WASTE DRAIN TO FLOOR SINK
72	1	LED LIGHT UNIT	K.E.C.	BSI	2580	120 V	1	15 A	FROM #70		X		WIRE HEAT/LIGHT LAMP THRU SNEEZE GUARD LEG TO CONTROL BOX IN COUNTER									

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: AK
DRAWN BY: SR
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SIZE: ANSI D
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U.S. AIR FORCE SERVICE CENTER
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428 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT SCHEDULE

FOODSERVICE

FS200

4/2/2024 2:49:51 PM

FOODSERVICE FIXTURE AND EQUIPMENT SCHEDULE.

ITEM #	QTY	DESCRIPTION	PROVIDED BY	MAKE	MODEL	VOLTS	PH	AMPS	ELEC. AFF.	HP	J-BOX	PLUG	ELEC. REMARKS	WATER AFF.	CW SIZE	HW SIZE	DIRECT SIZE	INDIRECT WASTE	GAS AFF.	GAS SIZE	BTU	PLUMBING REMARKS
73	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
74	1	HEAT LAMP W/ LED LIGHT	K.E.C.	BSI	705	120 V	1	15 A	FROM #70		X											
75	1	GLASS HEATED DECK	K.E.C.	HATCO	HBGB-4818	120 V	1	7.1 A	FROM #70			X										
76	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
77	1	VENTLESS GRIDDLE	K.E.C.	EVO	10-0135-EVT	208 V	3	32 A	FROM #70			X										
78	3	VERTICAL SNEEZE GUARD	<varies>	BSI	PPS48-P																	
79	1	SPARE NUMBER		--	--																	
80	1	SPARE NUMBER		--	--																	
81	1	LED LIGHT UNIT	K.E.C.	BSI	2580	120 V	1	15 A	FROM #70		X		WIRE HEAT/LIGHT LAMP THRU SNEEZE GUARD LEG TO CONTROL BOX IN COUNTER									
82	1	REFRIGERATED MAKE-UP TABLE	K.E.C.	TRAULSEN	UST279	120 V	1	7.2 A	FROM #70			X	NEMA 5-15P									
83	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
84	1	PIZZA SERVING COUNTER	K.E.C.	NICHOLS	FABRICATED	120/208 V	1	125 A	STUB		X		LOAD CENTER									
85	3	GLASS HEATED DECK	K.E.C.	HATCO	GRSR-15	120 V	1	2.1 A	FROM #84			X	NEMA 5-15P									
86	1	GLASS HEATED DECK	K.E.C.	HATCO	HBGB-4818	120 V	1	7.1 A	FROM #84			X	NEMA 5-15P									
87	1	LED LIGHT UNIT	K.E.C.	BSI	2580	120 V	1	15 A	FROM #84		X		WIRE HEAT/LIGHT LAMP THRU SNEEZE GUARD LEG TO CONTROL BOX IN COUNTER									
88	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
89	1	SPARE NUMBER		--	--																	
90	1	SPARE NUMBER		--	--																	
91	1	CUTTING BOARD																				
92	1	DIGITAL MENU BOARD																				
93	1	PIZZA PREP TABLE	K.E.C.	RANDELL	826N	120 V	1	9 A	FROM #84	1/3		X	SELF CONTAINED, NEMA 5-15P									
94	1	PLATE DISPENSER	K.E.C.	LAKESIDE	935																	
95	1	PAN RACK CART	K.E.C.	NEW AGE	1305																	
96	1	ROLL-IN REFRIGERATOR	K.E.C.	TRAULSEN	RRI132HUT-FHS	120 V	1	10.6 A	82"			X										
97	1	MOBILE HEATED CABINET	K.E.C.	ALTO-SHAAM	1200-UP	208 V	1	7 A	48"	0.3333		X	NEMA 6-15P									
98	1	HAND SINK	K.E.C.	ADVANCE TABCO	7-PS-40									18"	1/2"	1/2"	1 1/2"					
99	1	SPARE NUMBER		--	--																	
100	1	SPARE NUMBER		--	--																	
101	1	SOAP & TOWEL DISPENSER	G.F.G.I	N.I.K.E.C.	G.F.G.I																	
102	1	BACK SERVICE COUNTER	K.E.C.	NICHOLS	FABRICATED	120 V	1	16 A	48"			X	(1) CONVENIENCE OUTLET									
103	1	U/C REFRIGERATOR	K.E.C.	TRAULSEN	UHT48-LR	120 V	1	7.5 A	24"			X										
104	1	DOUBLE BATCH OVEN	K.E.C.	TURBOCHEF	HHD-9500-1	208 V	3	30 A	48"			X										
105	1	SOAP & TOWEL DISPENSER	G.F.G.I	N.I.K.E.C.	G.F.G.I																	
106	1	HAND SINK	K.E.C.	ADVANCE TABCO	7-PS-40									18"	1/2"	1/2"	1 1/2"					
107	1	REACH-IN REFRIGERATOR	K.E.C.	TRAULSEN	RHT232WUT-FHS	120 V	1	8.2 A	84"			X	SELF CONTAINED, NEMA 5-15P									
108	1	PLEXOR OVEN	K.E.C.	TURBOSHEF	PLEXOR	208 V	3	39 A	56"			X										
109	1	SPARE NUMBER		--	--																	
110	1	SPARE NUMBER		--	--																	
111	1	PLATE DISPENSER	K.E.C.	LAKESIDE	935																	
112	1	BACK SERVICE COUNTER W/ SINK	K.E.C.	NICHOLS	FABRICATED	120 V	1	16 A	48"			X	(2) CONVENIENCE OUTLETS					FS				INDIRECT WASTE DRAIN TO FLOOR SINK
112.1	1	DECK MOUNT FAUCET		T&S BRASS	B-0221									18"	1/2"	1/2"						
113	2	INDUCTION SOUP WELL	K.E.C.	VOLLRATH	741101D	120 V	1	6.7 A	24"			X	NEMA 5-15P									
114	1	SPARE NUMBER		--	--																	
115	1	MOBILE HEATED CABINET	K.E.C.	ALTO-SHAAM	1200-UP	208 V	1	7 A	72"	0.3333		X	NEMA 6-15P									
116	1	PLATE DISPENSER	K.E.C.	LAKESIDE	935																	
117	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
118	1	HEAT LAMP W/ LED LIGHT	K.E.C.	BSI	705	120 V	1	15 A	FROM #119		X											
119	1	ENTREE / GLOBAL SERVING COUNTER	K.E.C.	NICHOLS	FABRICATED	120/208 V	1	125 A	STUB		X		LOAD CENTER									
120	1	SPARE NUMBER		--	--																	
121	3	DIGITAL MENU BOARD																				
122	2	HOT/COLD WELL W/ AUTO FILL	K.E.C.	RANDELL	RCHB-5-208-AF	208 V	1	21.2 A	FROM #119		X			18"	1/2"			FS				INDIRECT WASTE DRAIN TO FLOOR SINK
123	1	SPARE NUMBER		--	--																	
124	1	REFRIGERATED MAKE-UP TABLE	K.E.C.	TRAULSEN	UST279		1	7.2 A	FROM #119			X	NEMA 5-15P									
125	1	REFRIGERATED RAIL	K.E.C.	FABRICATED	FABRICATED	120 V	1	15 A	FROM #119		X											
126	1	FIRE SUPPRESSION SYSTEM	K.E.C.	CAPTIVE AIRE	TBD	120 V	1	5 A			X											
127	1	EXHAUST HOOD		CAPTIVE AIRE	TBD	120 V	1	20 A			X											
128	2	INDUCTION WOK	K.E.C.	COOKTEK	MWG5000	240 V	1	15 A	FROM #119			X										
129	1	SPARE NUMBER		--	--																	
130	1	SPARE NUMBER		--	--																	
131	1	REFRIGERATED EQUIPMENT BASE	K.E.C.	TRAULSEN	TE048HT	120 V	1	6.7 A	FROM #119			X	SELF CONTAINED, NEMA 5-15P									
132	1	48" GRIDDLE	K.E.C.	VULCAN	VCCG48-AC	120 V	1	2 A	FROM #119			X							18"	3/4"	120000	QUICK DISONNECT GAS HOSE AND RESTRAINT CABLES
133	1	VERTICAL SNEEZE GUARD	K.E.C.	BSI	PPS48-P																	
134	1	PLATE DISPENSER	K.E.C.	LAKESIDE	935																	
135	1	PANINI WARMER	K.E.C.	EQUIPEX	PANINI	208 V	1	12 A	48"			X	6-15P NEMA									
136	1	BACK SERVICE COUNTER	K.E.C.	NICHOLS	FABRICATED	120 V	1	16 A	48"			X	(2) CONVENIENCE OUTLETS									
137	1	U/C REFRIGERATOR	K.E.C.	TRAULSEN	UHT48-LR	120 V	1	7.5 A	24"			X										
138	1	PAN RACK CART	K.E.C.	NEW AGE	1305																	
139	1	SPARE NUMBER		--	--																	
140	1	SPARE NUMBER		--	--																	
141	1	HAND SINK	K.E.C.	ADVANCE TABCO	7-PS-40									18"	1/2"	1/2"	1 1/2"					
142	1	SOAP & TOWEL DISPENSER	G.F.G.I	N.I.K.E.C.	G.F.G.I																	
143	1	ROLL-IN FREEZER	K.E.C.	TRAULSEN	RIF232H-FHS	120 V	1	9.4 A	72"			X										
144	1	OVEN/PROOFER	K.E.C.	NU-VU	QBT-3/9	208 V	1	32 A	48"			X		18"	1/4"							
145	1	WALL BACKING	K.E.C.	NICHOLS	FABRICATED																	

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: EK
SIZE: ANSI D

ISSUE DATE: 4/03/2024

PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
4226 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT SCHEDULE

FOODSERVICE

FS201

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FOODSERVICE FIXTURE AND EQUIPMENT SCHEDULE..

ITEM #	QTY	DESCRIPTION	PROVIDED BY	MAKE	MODEL	VOLTS	PH	AMPS	ELEC. AFF.	HP	J-BOX	PLUG	ELEC. REMARKS	WATER AFF.	CW SIZE	HW SIZE	DIRECT SIZE	INDIRECT WASTE	GAS AFF.	GAS SIZE	BTU	PLUMBING REMARKS
146	1	HEATED FRY DUMP	K.E.C.	VULCAN	VX15	120 V	1	15 A	24"			X	NEMA 5-15P									
147	1	45LBS. FRYER W/ FILTER	K.E.C.	VULCAN	1GR45D	120 V	1	2 A	24"			X	NEMA 5-15P						18"	1/2"	120000	QUICK DISONNECT GAS HOSE AND RESTRAINT CABLES
148	1	48" GRIDDLE	K.E.C.	VULCAN	VCCG48-AC	120 V	1	2 A	24"			X							18"	3/4"	120000	QUICK DISONNECT GAS HOSE AND RESTRAINT CABLES
149	1	SPARE NUMBER		--	--																	
150	1	SPARE NUMBER		--	--																	
151	1	REFRIGERATED EQUIPMENT BASE	K.E.C.	TRAULSEN	TE048HT	120 V	1	6.7 A	24"			X	SELF CONTAINED, NEMA 5-15P									
152	1	48" CHARBROILER	K.E.C.	VULCAN	VACB47														18"	3/4"	72000	QUICK DISONNECT GAS HOSE AND RESTRAINT CABLES
153	1	REFRIGERATED EQUIPMENT BASE	K.E.C.	TRAULSEN	TE048HT	120 V	1	6.7 A	24"			X	SELF CONTAINED, NEMA 5-15P									
154	1	EXHAUST HOOD	K.E.C.	CAPTIVE AIRE	TBD	120 V	1	20 A	DFA		X											
155	1	FIRE SUPPRESSION SYSTEM	K.E.C.	CAPTIVE AIRE	TBD	120 V	1	5 A	DFA		X											
156	1	VERTICAL TOASTER	K.E.C.	PRINCE CASTLE	297-T40	120 V	1	8 A	48"			X	NEMA 5-15P									
157	1	HOT HOLDING CABINET		DUKE	RFHU-23		1	12.5 A														
158	1	BACK SERVICE COUNTER	K.E.C.	NICHOLS	FABRICATED	120 V	1	16 A	STUB		X	X	(2) CONVENIENCE OUTLETS									
159	1	SPARE NUMBER		--	--																	
160	1	SPARE NUMBER		--	--																	
161	1	DELI / GRILL SERVING COUNTER	K.E.C.	NICHOLS	FABRICATED	120/208 V	1	125 A	STUB		X		LOAD CENTER									
162	2	PLATE DISPENSER	K.E.C.	LAKESIDE	935																	
163	1	HEAT LAMP W/ LED LIGHT	K.E.C.	BSI	705	120 V	1	15 A	FROM #161		X											
164	1	GLASS HEATED SHELF	K.E.C.	HATCO	HBGB-3618	120 V	1	5.3 A	FROM #161			X	NEMA 5-15P									
165	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
166	2	DIGITAL MENU BOARD	G.F.G.I																			
167	1	REFRIGERATED MAKE-UP TABLE	K.E.C.	RANDELL	9305-7	120 V	1	5.5 A	FROM #161	0.25		X										
168	1	HEATED SLIDE	K.E.C.	HATCO	GRSDS-36D	120 V	1	15.1 A	FROM #161			X										
169	1	SPARE NUMBER		--	--																	
170	1	SPARE NUMBER		--	--																	
171	1	TURBOCHEF	K.E.C.	TURBOCHEF	TORNADO 2	208 V	1	30 A	FROM #161			X	NEMA 6-30P									
172	1	REFRIGERATED SANDWICH PREP	K.E.C.	RANDELL	9230-32-7	120 V	1	9 A	FROM #161	0.38		X										
173	1	LED LIGHT UNIT	K.E.C.	BSI	2580	120 V	1	15 A	FROM #161		X		WIRE HEAT/LIGHT LAMP THRU SNEEZE GUARD LEG TO CONTROL BOX IN COUNTER									
174	1	SNEEZE GUARD	K.E.C.	BSI	XG3930																	
175-179	1	SPARE NUMBER		--	--																	
181	2	MOBILE CONDIMENT COUNTER	K.E.C.	NICHOLS	FABRICATED	120 V	1	16 A	48"			X	(2) CONVENIENCE OUTLETS									
182	2	CONDIMENT DISPENSER	K.E.C.	STAR	CD3S																	
183	4	NAPKIN DISPENSER	K.E.C.	NICHOLS	FABRICATED																	
184	10	PUMP CONDIMENTS	G.F.G.I	N.I.K.E.C.																		
185	2	SILVERWARE ORGANIZER	K.E.C.	VOLLRATH	CTFWH-6B																	
186	2	TRASH RECEPTACLE	K.E.C.	RUBBERMAID	SLIM JIM																	
187	1	SPARE NUMBER		--	--																	
188	1	SPARE NUMBER		--	--																	
189	1	SPARE NUMBER		--	--																	
199-200	1	SPARE NUMBER		--	--																	

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
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DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: EB
SIZE: ANSI D

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

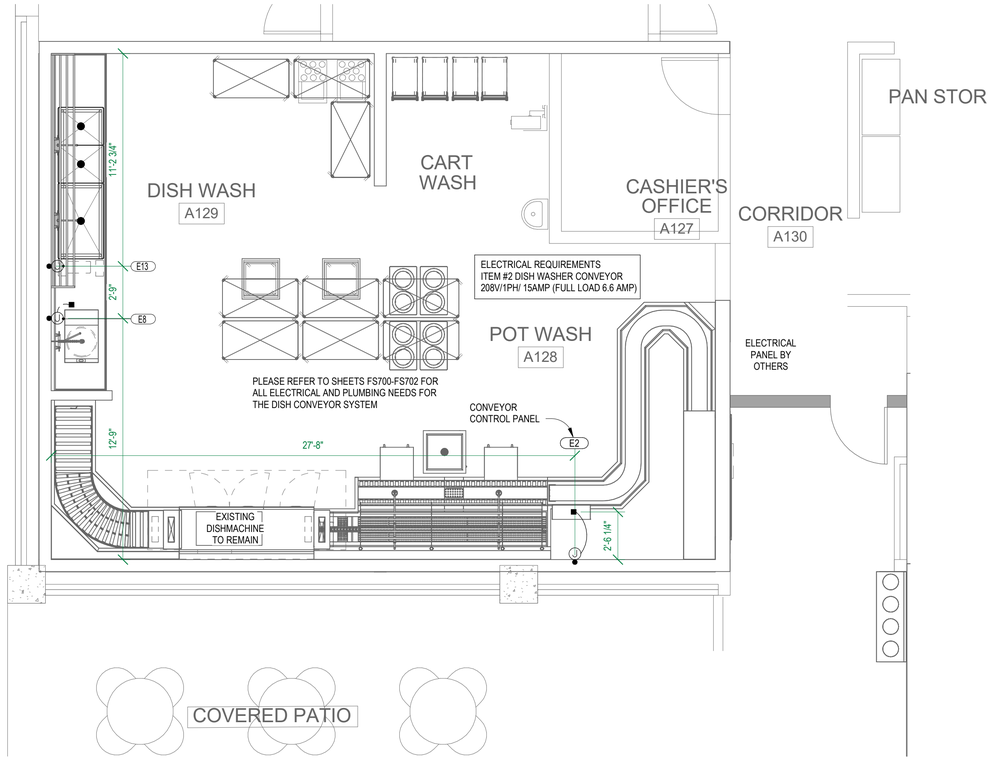
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT SCHEDULE

FOODSERVICE

FS202

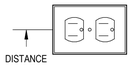
4/2/2024 2:49:52 PM



1 FOODSERVICE FIXTURE AND EQUIPMENT ELECTRICAL ROUGH-IN PLAN (DISHWASH AREA)
1/4" = 1'-0"

ELECTRICAL SYMBOLS

●	ELECTRICAL ROUGH-IN LOCATION
■	EQUIPMENT CONNECTION
J	JUNCTION BOX (JB)
	DUPLEX CONVENIENCE OUTLET (DR)
	SINGLE CONVENIENCE OUTLET (SR)
	RETRACTABLE DROP CORD
	LED LIGHT INDICATION
	LOAD CENTER LOCATION
S	SWITCH
▲	DATA PORT (POINT OF SALE EQUIPMENT)



FOODSERVICE RECEPTACLE

MOUNT RECEPTACLES HORIZONTALLY
IN FOODSERVICE AREAS

ELECTRICAL NOTES:

A. ALL ELECTRICAL OUTLETS SHOWN ON THIS PLAN ARE FOR FIXTURES SPECIFIED AS FURNISHED BY THE KITCHEN EQUIPMENT CONTRACTOR. FOR FURTHER BLDG ELECTRICAL REQUIREMENTS (TELEPHONES, CLOCKS, SIGNS, ETC.) SEE OTHER PLANS.

B. ALL DIMENSIONS GIVEN ARE FROM CENTERLINES AND/OR FINISHED WALLS. ELEVATIONS GIVEN ARE FROM FINISHED FLOOR TO CENTERLINE OF OUTLET. ALL ROUGH-INS SHOWN ARE TO BE RUN INSIDE WALLS (EXCEPT STUB-UPS). LOCATION INDICATES POINT OF EXIT FROM WALLS, CEILINGS OR FLOORS. ALL CONVENIENCE OUTLETS ARE TO BE SET HORIZONTALLY. ALL 120 VOLT OUTLETS NOT DESIGNATED WITH SPECIFIC LOADS TO BE RATED AT 16.0 AMPS.

C. KITCHEN EQUIPMENT CONTRACTOR TO FINAL CONNECT ALL ELECTRICAL EQUIPMENT AND FIXTURES AND DO ANY INTERNAL WIRING REQUIRED IN THE FIXTURES AS REQUIRED BY THE SPECIFICATIONS. ALL ELECTRICAL OUTLET COVER PLATES ARE TO BE STAINLESS STEEL AND ARE TO BE FURNISHED BY THE ELECTRICAL CONTRACTOR, AS WELL AS THE PHYSICAL RECEPTACLE, UNLESS OTHERWISE SPECIFIED. ALL DISCONNECT SWITCHES REQUIRED ARE TO BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AT TIME OF INSTALLATION.

D. ALL WORK TO BE PERFORMED IN FULL ACCORDANCE WITH ALL APPLICABLE CODES RELATING TO HOOK-UP, INSTALLATION & WIRING OF EQUIPMENT. ERRORS OR OMISSIONS ON THE FOODSERVICE EQUIPMENT DOCUMENTS DO NOT RELIEVE THE GENERAL CONTRACTOR OR ELECTRICAL CONTRACTOR FROM COMPLETING ANY ELECTRICAL WORK REQUIRED WITHIN THESE CONTRACT DOCUMENTS.

E. REQUIREMENTS SHOWN ARE FOR FOODSERVICE AND ASSOCIATED EQUIPMENT ONLY. SEE OTHERS DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS.

F. GENERAL CONTRACTOR & ELECTRICAL CONTRACTOR TO SUPPLY ALL NEW AND RE-WORKED ELECTRICAL CONNECTION POINTS IN PREPARATION FOR FINAL CONNECTION(S) TO ALL EQUIPMENT AS SHOWN ON THE FOODSERVICE PLANS.

G. GENERAL CONTRACTOR & ELECTRICAL CONTRACTOR TO VERIFY ALL ELECTRICAL REQUIREMENTS FOR POS STATIONS, PRINTERS, DIGITAL MENU BOARDS AND G.F.G.I. EQUIPMENT WITH THE UNITED STATES AIR FORCE PRIOR TO FINAL ROUGH-IN.

H. GENERAL CONTRACTOR & ELECTRICAL CONTRACTOR TO PROVIDE DEDICATED CIRCUITS TO POS SYSTEMS AND DIGITAL MENU BOARDS FOR FINAL CONNECTIONS.

I. SERVING COUNTERS TO BE PROVIDED BY THE KITCHEN EQUIPMENT CONTRACTOR. SERVING COUNTERS TO BE COMPLETELY PRE-WIRED TO A BUILT-IN CIRCUIT BREAKER PANEL (LOAD CENTER) LOCATED PER FOODSERVICE PLANS. THIS SHALL INCLUDE ALL OUTLETS, J-BOXES, CONDUIT, WIRING, ELECTRICAL COMPONENTS, AND ACCESSORIES ATTACHED TO, OR BUILT INTO THE SERVING COUNTER. ALL CONDUIT, WITH WIRING, SHALL BE CONCEALED FROM VIEW AND RUN WITHIN THE INTEGRAL UTILITY CHASE IN THE COUNTER BODY AND INSTALLED IN A MANNER WHICH WILL NOT INTERFERE WITH THE INTENDED USE OF THE COUNTER. PANEL TO INCLUDE A MAIN BREAKER FOR SINGLE CIRCUIT SERVICE CONNECTION, AND INDIVIDUAL BREAKERS FOR ITEMS INCLUDED IN THE COUNTER. VERIFY AND COORDINATE PANEL SERVICE CIRCUIT SIZE, LOAD, PHASING, AND REQUIREMENTS WITH TRIMARK PRIOR TO ELECTRICAL ROUGH-IN TO ENSURE PROPER BUILDING AMPERAGE FEED IS SUPPLIED TO THE COUNTER MOUNTED LOAD CENTER(S).

J. GENERAL CONTRACTOR & ELECTRICAL CONTRACTOR TO RE-USE ANY AND ALL EXISTING ELECTRICAL CONNECTIONS AS POSSIBLE BASED ON THE FOODSERVICE DOCUMENTS AS SHOWN.

K. ALL FINAL ELECTRICAL CONNECTIONS FROM BUILDING FEE'S TO THE FOODSERVICE EQUIPMENT ARE TO BE PERFORMED BY THE KITCHEN EQUIPMENT CONTRACTOR.

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: EB
SIZE: ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
4226 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

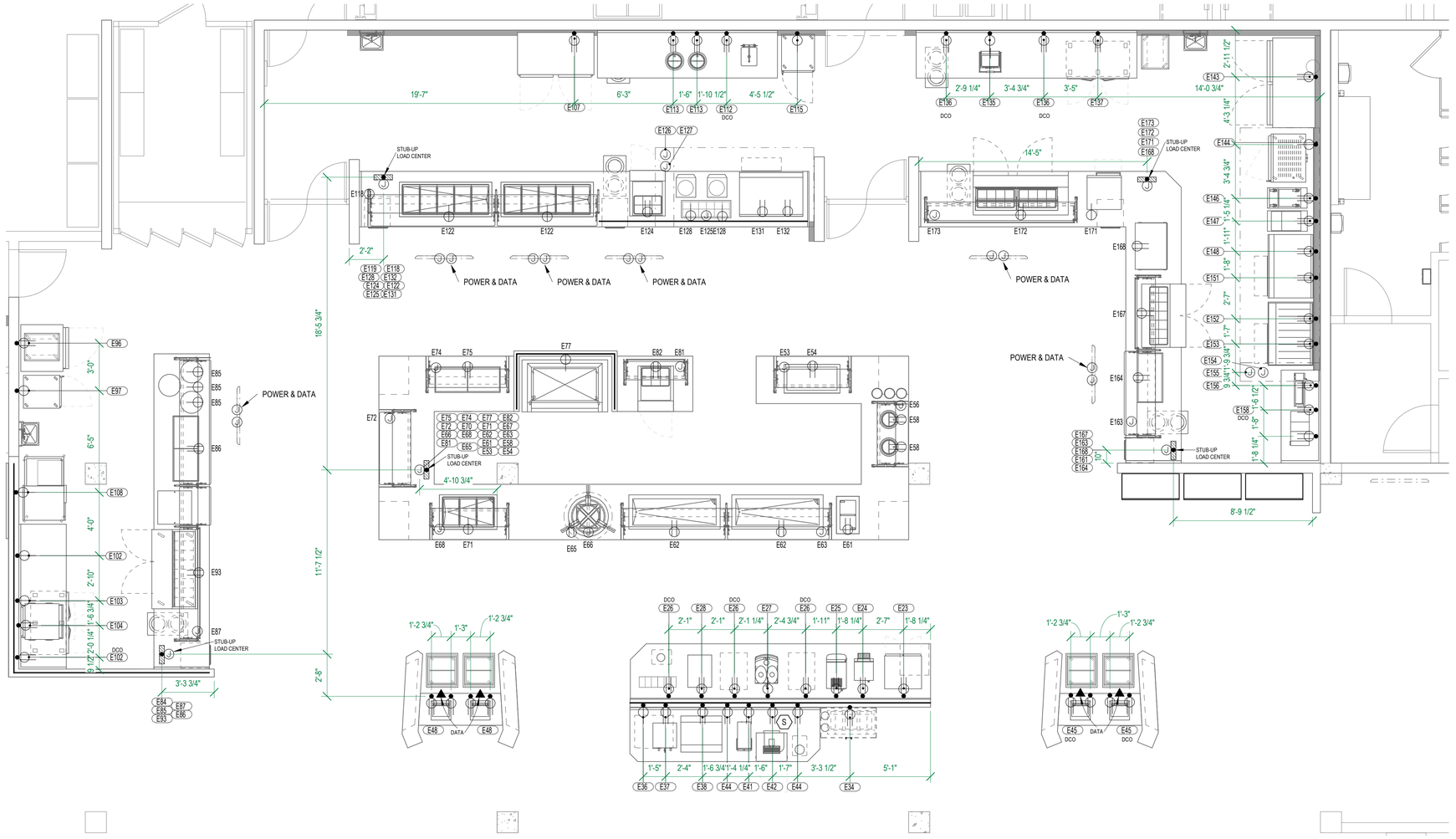
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT ELECTRICAL ROUGH-IN PLAN (DISHWASH AREA)

FOODSERVICE

FS300

4/2/2024 2:49:54 PM



1 FOODSERVICE FIXTURE AND EQUIPMENT ELECTRICAL ROUGH-IN PLAN (SERVERY AREA)
1/4" = 1'-0"

ELECTRICAL NOTES:

A. ALL ELECTRICAL OUTLETS SHOWN ON THIS PLAN ARE FOR FIXTURES SPECIFIED AS FURNISHED BY THE KITCHEN EQUIPMENT CONTRACTOR. FOR FURTHER BLDG ELECTRICAL REQUIREMENTS (TELEPHONES, CLOCKS, SIGNS, ETC.) SEE OTHER PLANS.

B. ALL DIMENSIONS GIVEN ARE FROM CENTERLINES AND/OR FINISHED WALLS. ELEVATIONS GIVEN ARE FROM FINISHED FLOOR TO CENTERLINE OF OUTLET. ALL ROUGH-INS SHOWN ARE TO BE RUN INSIDE WALLS (EXCEPT STUB-UPS). LOCATION INDICATES POINT OF EXIT FROM WALLS, CEILINGS OR FLOORS. ALL CONVENIENCE OUTLETS ARE TO BE SET HORIZONTALLY. ALL 120 VOLT OUTLETS NOT DESIGNATED WITH SPECIFIC LOADS TO BE RATED AT 16.0 AMPS.

C. KITCHEN EQUIPMENT CONTRACTOR TO FINAL CONNECT ALL ELECTRICAL EQUIPMENT AND FIXTURES AND DO ANY INTERNAL WIRING REQUIRED IN THE FIXTURES AS REQUIRED BY THE SPECIFICATIONS. ALL ELECTRICAL OUTLET COVER PLATES ARE TO BE STAINLESS STEEL AND ARE TO BE FURNISHED BY THE ELECTRICAL CONTRACTOR, AS WELL AS THE PHYSICAL RECEPTACLE, UNLESS OTHERWISE SPECIFIED. ALL DISCONNECT SWITCHES REQUIRED ARE TO BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AT TIME OF INSTALLATION.

D. ALL WORK TO BE PERFORMED IN FULL ACCORDANCE WITH ALL APPLICABLE CODES RELATING TO HOOK-UP, INSTALLATION & WIRING OF EQUIPMENT. ERRORS OR OMISSIONS ON THE FOODSERVICE EQUIPMENT DOCUMENTS DO NOT RELIEVE THE GENERAL CONTRACTOR OR ELECTRICAL CONTRACTOR FROM COMPLETING ANY ELECTRICAL WORK REQUIRED WITHIN THESE CONTRACT DOCUMENTS.

E. REQUIREMENTS SHOWN ARE FOR FOODSERVICE AND ASSOCIATED EQUIPMENT ONLY. SEE OTHERS DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS.

F. GENERAL CONTRACTOR & ELECTRICAL CONTRACTOR TO SUPPLY ALL NEW AND RE-WORKED ELECTRICAL CONNECTION POINTS IN PREPARATION FOR FINAL CONNECTION(S) TO ALL EQUIPMENT AS SHOWN ON THE FOODSERVICE PLANS.

G. GENERAL CONTRACTOR & ELECTRICAL CONTRACTOR TO VERIFY ALL ELECTRICAL REQUIREMENTS FOR POS STATIONS, PRINTERS, DIGITAL MENU BOARDS AND G.F.G.I. EQUIPMENT WITH THE UNITED STATES AIR FORCE PRIOR TO FINAL ROUGH-IN.

H. GENERAL CONTRACTOR & ELECTRICAL CONTRACTOR TO PROVIDE DEDICATED CIRCUITS TO POS SYSTEMS AND DIGITAL MENU BOARDS FOR FINAL CONNECTIONS.

I. SERVING COUNTERS TO BE PROVIDED BY THE KITCHEN EQUIPMENT CONTRACTOR. SERVING COUNTERS TO BE COMPLETELY PRE-WIRED TO A BUILT-IN CIRCUIT BREAKER PANEL (LOAD CENTER) LOCATED PER FOODSERVICE PLANS. THIS SHALL INCLUDE ALL OUTLETS, J-BOXES, CONDUIT, WIRING, ELECTRICAL COMPONENTS, AND ACCESSORIES ATTACHED TO, OR BUILT INTO THE SERVING COUNTER. ALL CONDUIT, WITH WIRING, SHALL BE CONCEALED FROM VIEW AND RUN WITHIN THE INTEGRAL UTILITY CHASE IN THE COUNTER BODY AND INSTALLED IN A MANNER WHICH WILL NOT INTERFERE WITH THE INTENDED USE OF THE COUNTER. PANEL TO INCLUDE A MAIN BREAKER FOR SINGLE CIRCUIT SERVICE CONNECTION, AND INDIVIDUAL BREAKERS FOR ITEMS INCLUDED IN THE COUNTER. VERIFY AND COORDINATE PANEL SERVICE CIRCUIT SIZE, LOAD, PHASING, AND REQUIREMENTS WITH TRIMARK PRIOR TO ELECTRICAL ROUGH-IN TO ENSURE PROPER BUILDING AMPERAGE FEED IS SUPPLIED TO THE COUNTER MOUNTED LOAD CENTER(S).

J. GENERAL CONTRACTOR & ELECTRICAL CONTRACTOR TO RE-USE ANY AND ALL EXISTING ELECTRICAL CONNECTIONS AS POSSIBLE BASED ON THE FOODSERVICE DOCUMENTS AS SHOWN.

K. ALL FINAL ELECTRICAL CONNECTIONS FROM BUILDING FEE'S TO THE FOODSERVICE EQUIPMENT ARE TO BE PERFORMED BY THE KITCHEN EQUIPMENT CONTRACTOR.

ELECTRICAL SYMBOLS

●	ELECTRICAL ROUGH-IN LOCATION
■	EQUIPMENT CONNECTION
J	JUNCTION BOX (JB)
	DUPLEX CONVENIENCE OUTLET (DR)
	SINGLE CONVENIENCE OUTLET (SR)
	RETRACTABLE DROP CORD
	LED LIGHT INDICATION
	LOAD CENTER LOCATION
S	SWITCH
▲	DATA PORT (POINT OF SALE EQUIPMENT)

FOODSERVICE RECEPTACLE

MOUNT RECEPTACLES HORIZONTALLY IN FOODSERVICE AREAS

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

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U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
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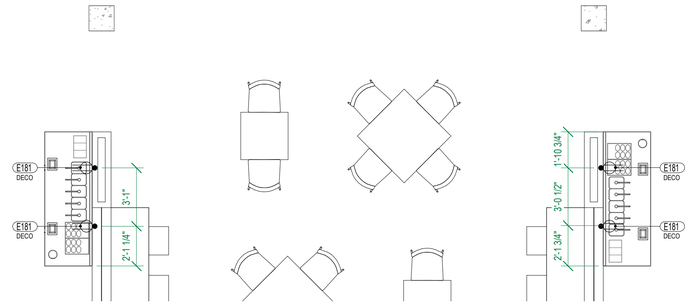
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT ELECTRICAL ROUGH-IN PLAN (SERVERY AREA)

FOODSERVICE

FS301

4/2/2024 2:49:56 PM



1 FOODSERVICE FIXTURE AND EQUIPMENT ELECTRICAL ROUGH-IN PLAN (DINING ROOM)
1/4" = 1'-0"

ELECTRICAL NOTES:

A. ALL ELECTRICAL OUTLETS SHOWN ON THIS PLAN ARE FOR FIXTURES SPECIFIED AS FURNISHED BY THE KITCHEN EQUIPMENT CONTRACTOR. FOR FURTHER BLDG ELECTRICAL REQUIREMENTS (TELEPHONES, CLOCKS, SIGNS, ETC.) SEE OTHER PLANS.

B. ALL DIMENSIONS GIVEN ARE FROM CENTERLINES AND/OR FINISHED WALLS. ELEVATIONS GIVEN ARE FROM FINISHED FLOOR TO CENTERLINE OF OUTLET. ALL ROUGH-INS SHOWN ARE TO BE RUN INSIDE WALLS (EXCEPT STUB-UPS). LOCATION INDICATES POINT OF EXIT FROM WALLS, CEILINGS OR FLOORS. ALL CONVENIENCE OUTLETS ARE TO BE SET HORIZONTALLY. ALL 120 VOLT OUTLETS NOT DESIGNATED WITH SPECIFIC LOADS TO BE RATED AT 16.0 AMPS.

C. KITCHEN EQUIPMENT CONTRACTOR TO FINAL CONNECT ALL ELECTRICAL EQUIPMENT AND FIXTURES AND DO ANY INTERNAL WIRING REQUIRED IN THE FIXTURES AS REQUIRED BY THE SPECIFICATIONS. ALL ELECTRICAL OUTLET COVER PLATES ARE TO BE STAINLESS STEEL AND ARE TO BE FURNISHED BY THE ELECTRICAL CONTRACTOR, AS WELL AS THE PHYSICAL RECEPTACLE, UNLESS OTHERWISE SPECIFIED. ALL DISCONNECT SWITCHES REQUIRED ARE TO BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AT TIME OF INSTALLATION.

D. ALL WORK TO BE PERFORMED IN FULL ACCORDANCE WITH ALL APPLICABLE CODES RELATING TO HOOK-UP, INSTALLATION & WIRING OF EQUIPMENT. ERRORS OR OMISSIONS ON THE FOODSERVICE EQUIPMENT DOCUMENTS DO NOT RELIEVE THE GENERAL CONTRACTOR OR ELECTRICAL CONTRACTOR FROM COMPLETING ANY ELECTRICAL WORK REQUIRED WITHIN THESE CONTRACT DOCUMENTS.

E. REQUIREMENTS SHOWN ARE FOR FOODSERVICE AND ASSOCIATED EQUIPMENT ONLY. SEE OTHERS DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS.

F. GENERAL CONTRACTOR & ELECTRICAL CONTRACTOR TO SUPPLY ALL NEW AND RE-WORKED ELECTRICAL CONNECTION POINTS IN PREPARATION FOR FINAL CONNECTION(S) TO ALL EQUIPMENT AS SHOWN ON THE FOODSERVICE PLANS.

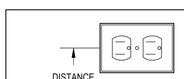
G. GENERAL CONTRACTOR & ELECTRICAL CONTRACTOR TO VERIFY ALL ELECTRICAL REQUIREMENTS FOR POS STATIONS, PRINTERS, DIGITAL MENU BOARDS AND G.F.G.I. EQUIPMENT WITH THE UNITED STATES AIR FORCE PRIOR TO FINAL ROUGH-IN.

H. GENERAL CONTRACTOR & ELECTRICAL CONTRACTOR TO PROVIDE DEDICATED CIRCUITS TO POS SYSTEMS AND DIGITAL MENU BOARDS FOR FINAL CONNECTIONS.

I. SERVING COUNTERS TO BE PROVIDED BY THE KITCHEN EQUIPMENT CONTRACTOR. SERVING COUNTERS TO BE COMPLETELY PRE-WIRED TO A BUILT-IN CIRCUIT BREAKER PANEL (LOAD CENTER) LOCATED PER FOODSERVICE PLANS. THIS SHALL INCLUDE ALL OUTLETS, J-BOXES, CONDUIT, WIRING, ELECTRICAL COMPONENTS, AND ACCESSORIES ATTACHED TO, OR BUILT INTO THE SERVING COUNTER. ALL CONDUIT, WITH WIRING, SHALL BE CONCEALED FROM VIEW AND RUN WITHIN THE INTEGRAL UTILITY CHASE IN THE COUNTER BODY AND INSTALLED IN A MANNER WHICH WILL NOT INTERFERE WITH THE INTENDED USE OF THE COUNTER. PANEL TO INCLUDE A MAIN BREAKER FOR SINGLE CIRCUIT SERVICE CONNECTION, AND INDIVIDUAL BREAKERS FOR ITEMS INCLUDED IN THE COUNTER. VERIFY AND COORDINATE PANEL SERVICE CIRCUIT SIZE, LOAD, PHASING, AND REQUIREMENTS WITH TRIMARK PRIOR TO ELECTRICAL ROUGH-IN TO ENSURE PROPER BUILDING AMPERAGE FEED IS SUPPLIED TO THE COUNTER MOUNTED LOAD CENTER(S).

J. GENERAL CONTRACTOR & ELECTRICAL CONTRACTOR TO RE-USE ANY AND ALL EXISTING ELECTRICAL CONNECTIONS AS POSSIBLE BASED ON THE FOODSERVICE DOCUMENTS AS SHOWN.

K. ALL FINAL ELECTRICAL CONNECTIONS FROM BUILDING FEE'S TO THE FOODSERVICE EQUIPMENT ARE TO BE PERFORMED BY THE KITCHEN EQUIPMENT CONTRACTOR.



FOODSERVICE RECEPTACLE

MOUNT RECEPTACLES HORIZONTALLY IN FOODSERVICE AREAS

ELECTRICAL SYMBOLS

●	ELECTRICAL ROUGH-IN LOCATION
■	EQUIPMENT CONNECTION
J	JUNCTION BOX (JB)
	DUPLEX CONVENIENCE OUTLET (DR)
	SINGLE CONVENIENCE OUTLET (SR)
	RETRACTABLE DROP CORD
	LED LIGHT INDICATION
	LOAD CENTER LOCATION
S	SWITCH
▲	DATA PORT (POINT OF SALE EQUIPMENT)

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: BK
SIZE: ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
428 SHARPE STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 802.363.0282

Consultant of Record
Andrew Keaggy

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT ELECTRICAL ROUGH-IN PLAN (DINING ROOM)

FOODSERVICE

FS302

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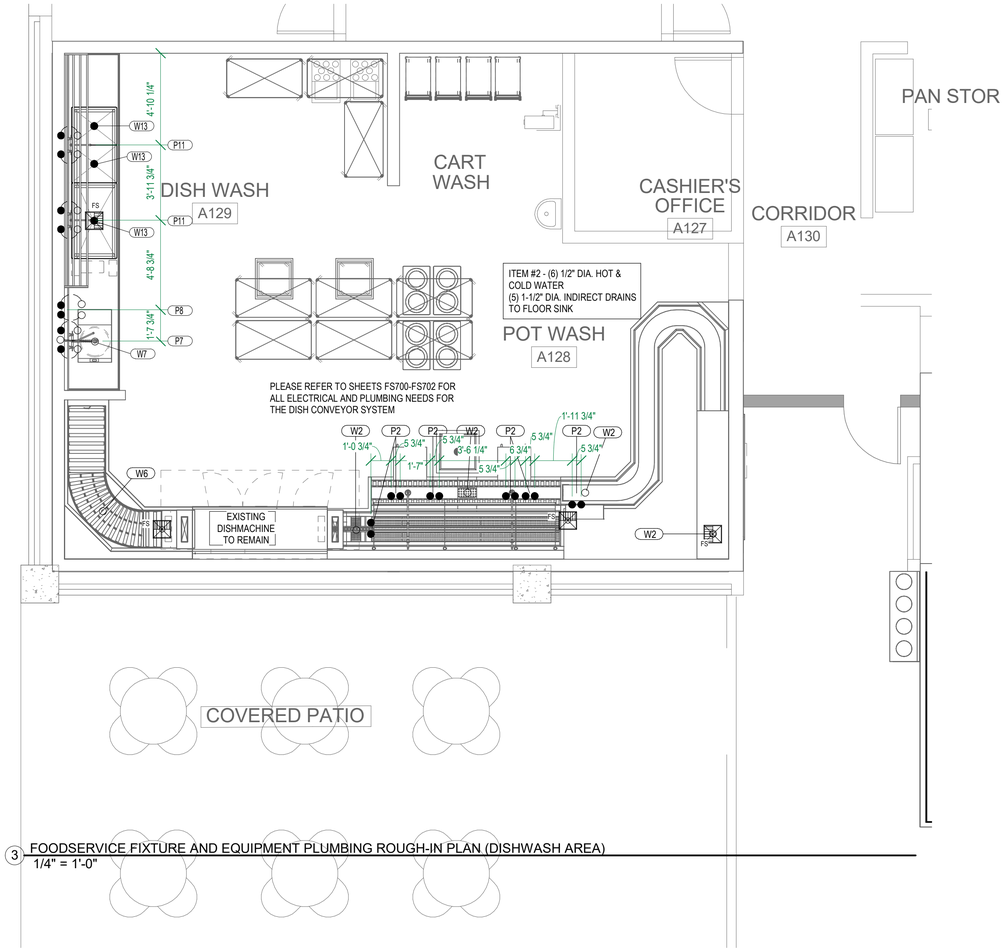
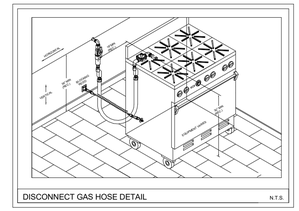
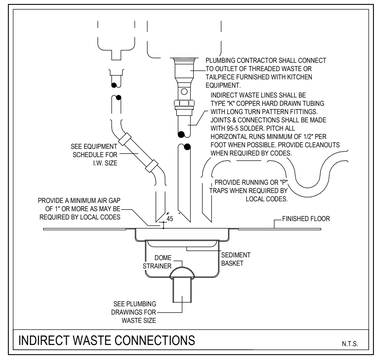


3 FOODSERVICE FIXTURE AND EQUIPMENT PLUMBING ROUGH-IN PLAN (DISHWASH AREA)
1/4" = 1'-0"





PLUMBING NOTES:

A. ROUGH-IN PLUMBING PERFORMED BY THE PLUMBING CONTRACTOR SHALL INCLUDE ALL MATERIAL, PIPES, VALVES, FITTINGS, UNDERGROUND TRAPS, FLOOR SINKS, FLOOR DRAINS, VENTS, FLOOR DRAIN AND FLOOR SINK COVERS AND STOPS AT THE ENDS OF WATER LINES.

B. FINAL CONNECTIONS BY THE KITCHEN EQUIPMENT CONTRACTOR SHALL INCLUDE ALL MATERIALS, PIPING, VALVES, FITTINGS, TRAPS, EXTENDED WASTES AND WHATEVER IS NECESSARY TO PROPERLY CONNECT THE EQUIPMENT ITEM TO THE ROUGH-IN OUTLET. THIS INCLUDES STOPS ON ALL WATER LINES, CLEANOUTS ON ALL DIRECT CONNECTED DRAIN LINES AND HARD COPPER DRAINS TO FLOOR SINKS FROM EQUIPMENT.

C. ALL WORK TO BE PERFORMED IN FULL ACCORDANCE WITH THE APPLICABLE CODES RELATING TO THE INSTALLATION AND HOOK-UP OF EQUIPMENT. ERRORS OR OMISSIONS ON THE SCHEDULE DO NOT RELIEVE THE PLUMBING CONTRACTOR FROM COMPLETE FINAL PLUMBING RESPONSIBILITY.

D. ALL CONNECTIONS SHOWN RELATE TO KITCHEN EQUIPMENT ONLY. REFER TO ARCHITECTURAL/ ENGINEERING PLANS FOR ADDITIONAL PLUMBING REQUIREMENTS.

E. ALL DIMENSIONS GIVEN ARE FROM COLUMN CENTERLINES AND/OR FINISHED WALLS AND ARE IN FEET AND INCHES. ELEVATIONS GIVEN ARE FROM FINISHED FLOORS. ALL ROUGH-INS SHOWN ARE TO RUN INSIDE WALLS (EXCEPT STUB-UP AND IN COUNTER RUNS) LOCATIONS INDICATE POINT OF EXIT FROM WALLS, CEILING OR FLOORS.

F. ALL FLOOR DRAINS TO SET 1/2" BELOW FINISHED FLOOR UNLESS OTHERWISE NOTED. DO NOT SLOPE FLOORS SO CLOSE TO DRAIN AS TO CRATE "PITS" OR "DIPS" IN FLOOR. MINIMUM RADIUS OR SLOPE TO BE 24" FROM CENTERLINE OF DRAIN.

G. ALL FLOOR SINKS IN RELATION TO THE SERVING COUNTERS TO BE INLINE WITH COUNTER TOP EDGE UNDERNEATH THE SERVING COUNTERS. FLOOR SINKS SHALL NOT PROTRUDE INTO SERVICE ISLE SPACE.

PLUMBING CLARIFICATION

1. REQUIREMENTS SHOWN ARE FOR FOODSERVICE EQUIPMENT ONLY. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

2. SEE EQUIPMENT PLAN(S) AND SCHEDULE(S) FOR ADDITIONAL INFORMATION.

3. THE PLUMBING CONTRACTOR SHALL PROVIDE THE ROUGH-IN AND THE KITCHEN EQUIPMENT CONTRACTOR IS TO MAKE THE FINAL CONNECTIONS TO ALL EQUIPMENT SHOWN WITH THE FOODSERVICE DOCUMENTS.

4. SOLID DOT REPRESENTS ROUGH-IN LOCATION. (FURNISHED BY G.C. / P.C.)
DOTTED LINE REPRESENTS FINAL CONNECTION. (FURNISHED BY K.E.C.)
CIRCLE REPRESENTS CONNECTION ON EQUIPMENT. (FURNISHED BY K.E.C.)

5. PLUMBING CONTRACTOR TO KEEP ALL PLUMBING LINES CLEAR OF WALL BACKING AREAS. REFER TO WALL COORDINATION PLAN FOR MORE INFO.

6. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL REGULATORS AS REQUIRED.

7. P.C. TO VERIFY PLUMBING REQUIREMENTS AND LOCATIONS FOR EQUIPMENT TO BE SUPPLIED BY OTHERS.

PLUMBING SYMBOLS

●	HOT/COLD WATER
●	DRAIN (4" DIA. MIN)
○	CONNECTION
	FLOOR DRAIN (AS NOTED)
	FLOOR SINK (12" X 12" HALF GRATE)
	GAS LINE
⊕	GAS CONNECTION
	FLEX CONNECT HOSE
	INDIRECT WASTE
	PLUMBING INTERCONNECTION

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: EB
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GILL MARKETING - DESIGN/BUILD
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PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT PLUMBING ROUGH-IN PLAN (DISHWASH AREA)

FOODSERVICE

FS400

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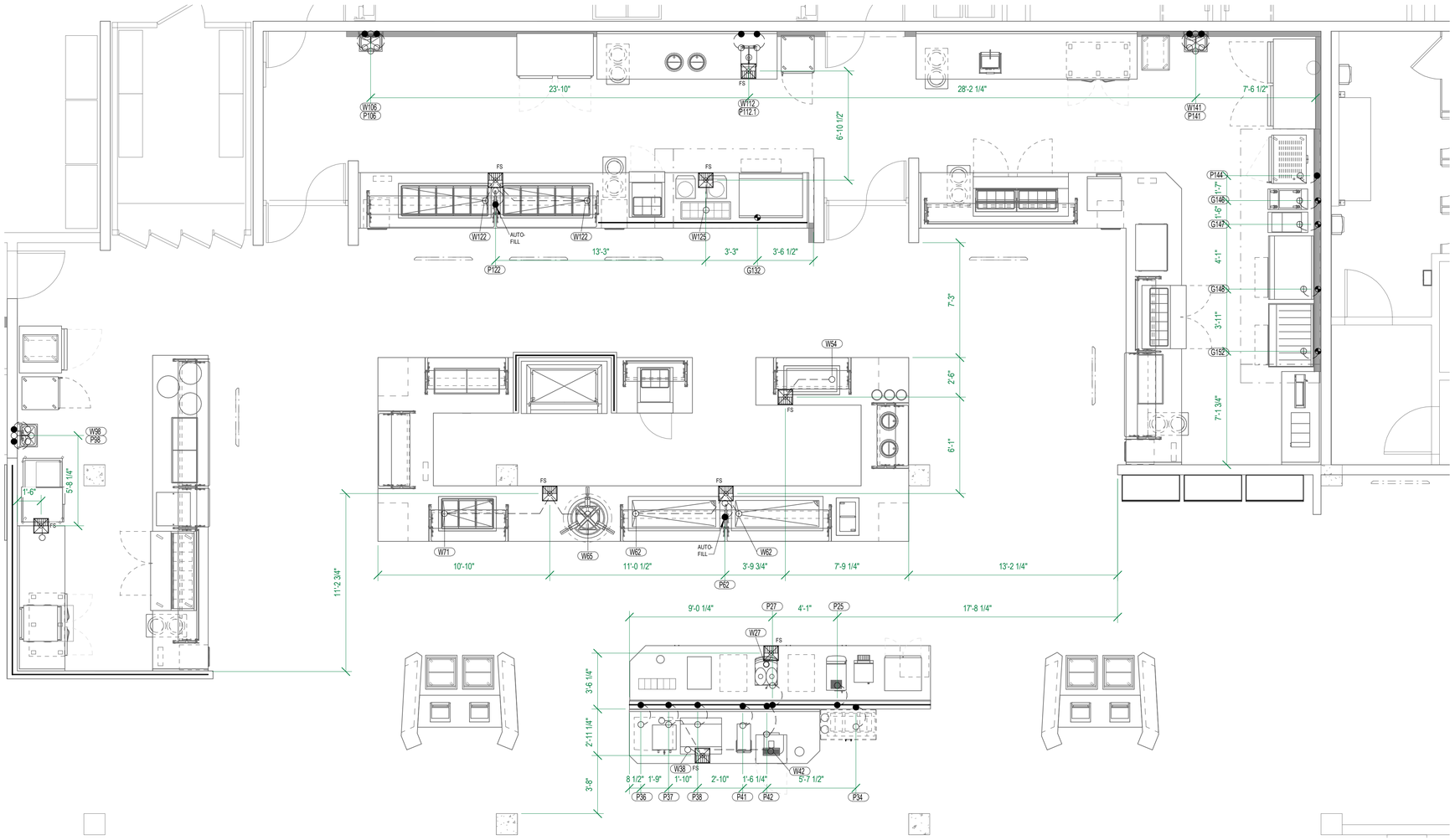


1 FOODSERVICE FIXTURE AND EQUIPMENT PLUMBING ROUGH-IN PLAN (SERVERY AREA)
1/4" = 1'-0"

PLUMBING NOTES:

A. ROUGH-IN PLUMBING PERFORMED BY THE PLUMBING CONTRACTOR SHALL INCLUDE ALL MATERIAL, PIPES, VALVES, FITTINGS, UNDERGROUND TRAPS, FLOOR SINKS, FLOOR DRAINS, VENTS, FLOOR DRAIN AND FLOOR SINK COVERS AND STOPS AT THE ENDS OF WATER LINES.

B. FINAL CONNECTIONS BY THE KITCHEN EQUIPMENT CONTRACTOR SHALL INCLUDE ALL MATERIALS, PIPING, VALVES, FITTINGS, TRAPS, EXTENDED WASTES AND WHATEVER IS NECESSARY TO PROPERLY CONNECT THE EQUIPMENT ITEM TO THE ROUGH-IN OUTLET. THIS INCLUDES STOPS ON ALL WATER LINES, CLEANOUTS ON ALL DIRECT CONNECTED DRAIN LINES AND HARD COPPER DRAINS TO FLOOR SINKS FROM EQUIPMENT.

C. ALL WORK TO BE PERFORMED IN FULL ACCORDANCE WITH THE APPLICABLE CODES RELATING TO THE INSTALLATION AND HOOK-UP OF EQUIPMENT. ERRORS OR OMISSIONS ON THE SCHEDULE DO NOT RELIEVE THE PLUMBING CONTRACTOR FROM COMPLETE FINAL PLUMBING RESPONSIBILITY.

D. ALL CONNECTIONS SHOWN RELATE TO KITCHEN EQUIPMENT ONLY. REFER TO ARCHITECTURAL/ ENGINEERING PLANS FOR ADDITIONAL PLUMBING REQUIREMENTS.

E. ALL DIMENSIONS GIVEN ARE FROM COLUMN CENTERLINES AND/OR FINISHED WALLS AND ARE IN FEET AND INCHES. ELEVATIONS GIVEN ARE FROM FINISHED FLOORS. ALL ROUGH-INS SHOWN ARE TO RUN INSIDE WALLS (EXCEPT STUB-UP AND IN COUNTER RUNS) LOCATIONS INDICATE POINT OF EXIT FROM WALLS, CEILING OR FLOORS.

F. ALL FLOOR DRAINS TO SET 1/2" BELOW FINISHED FLOOR UNLESS OTHERWISE NOTED. DO NOT SLOPE FLOORS SO CLOSE TO DRAIN AS TO CRATE "PITS" OR "DIPS" IN FLOOR. MINIMUM RADIUS OR SLOPE TO BE 24" FROM CENTERLINE OF DRAIN.

G. ALL FLOOR SINKS IN RELATION TO THE SERVING COUNTERS TO BE INLINE WITH COUNTER TOP EDGE UNDERNEATH THE SERVING COUNTERS. FLOOR SINKS SHALL NOT PROTRUDE INTO SERVICE ISLE SPACE.

PLUMBING CLARIFICATION

1. REQUIREMENTS SHOWN ARE FOR FOODSERVICE EQUIPMENT ONLY. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

2. SEE EQUIPMENT PLAN(S) AND SCHEDULE(S) FOR ADDITIONAL INFORMATION.

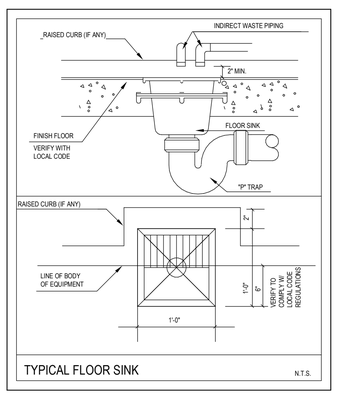
3. THE PLUMBING CONTRACTOR SHALL PROVIDE THE ROUGH-IN AND THE KITCHEN EQUIPMENT CONTRACTOR IS TO MAKE THE FINAL CONNECTIONS TO ALL EQUIPMENT SHOWN WITH THE FOODSERVICE DOCUMENTS.

4. SOLID DOT REPRESENTS ROUGH-IN LOCATION. (FURNISHED BY G.C. / P.C.)
   DOTTED LINE REPRESENTS FINAL CONNECTION. (FURNISHED BY K.E.C.)
   CIRCLE REPRESENTS CONNECTION ON EQUIPMENT. (FURNISHED BY K.E.C.)

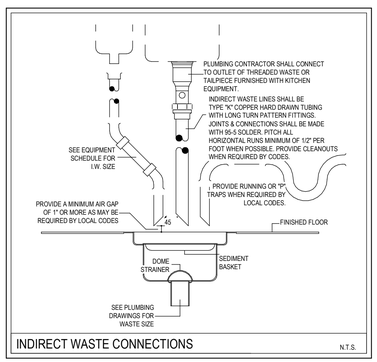
5. PLUMBING CONTRACTOR TO KEEP ALL PLUMBING LINES CLEAR OF WALL BACKING AREAS. REFER TO WALL COORDINATION PLAN FOR MORE INFO.

6. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL REGULATORS AS REQUIRED.

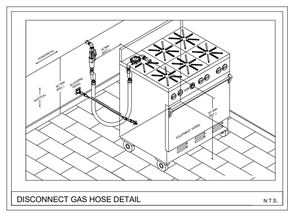
7. P.C. TO VERIFY PLUMBING REQUIREMENTS AND LOCATIONS FOR EQUIPMENT TO BE SUPPLIED BY OTHERS.



TYPICAL FLOOR SINK N.T.S.



INDIRECT WASTE CONNECTIONS N.T.S.


DISCONNECT GAS HOSE DETAIL N.T.S.

PLUMBING SYMBOLS

●	HOT/COLD WATER
●	DRAIN (4" DIA. MIN)
○	CONNECTION
	FLOOR DRAIN (AS NOTED)
FS	FLOOR SINK (12" X 12" HALF GRATE)
	GAS LINE
⊕	GAS CONNECTION
	FLEX CONNECT HOSE
	INDIRECT WASTE
	PLUMBING INTERCONNECTION

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U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
429 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT PLUMBING ROUGH-IN PLAN (SERVERY AREA)

FOODSERVICE

FS401

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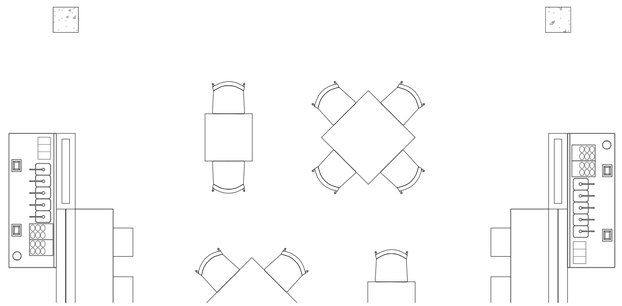
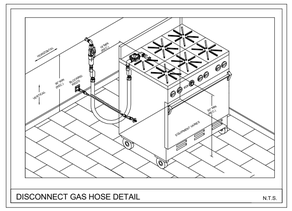
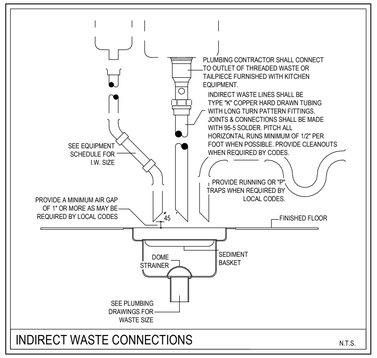
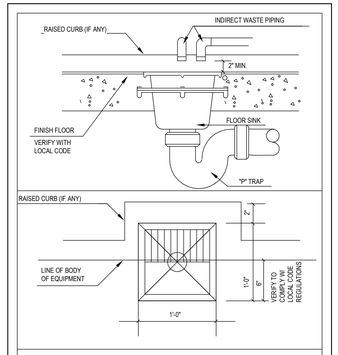


1 FOODSERVICE FIXTURE AND EQUIPMENT PLUMBING ROUGH-IN PLAN (DINING ROOM)
1/4" = 1'-0"







PLUMBING NOTES:

A. ROUGH-IN PLUMBING PERFORMED BY THE PLUMBING CONTRACTOR SHALL INCLUDE ALL MATERIAL, PIPES, VALVES, FITTINGS, UNDERGROUND TRAPS, FLOOR SINKS, FLOOR DRAINS, VENTS, FLOOR DRAIN AND FLOOR SINK COVERS AND STOPS AT THE ENDS OF WATER LINES.

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PLUMBING CLARIFICATION

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5. PLUMBING CONTRACTOR TO KEEP ALL PLUMBING LINES CLEAR OF WALL BACKING AREAS. REFER TO WALL COORDINATION PLAN FOR MORE INFO.

6. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL REGULATORS AS REQUIRED.

7. P.C. TO VERIFY PLUMBING REQUIREMENTS AND LOCATIONS FOR EQUIPMENT TO BE SUPPLIED BY OTHERS.

PLUMBING SYMBOLS

●	HOT/COLD WATER
●	DRAIN (4" DIA. MIN)
○	CONNECTION
	FLOOR DRAIN (AS NOTED)
	FLOOR SINK (12" X 12" HALF GRATE)
	GAS LINE
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	INDIRECT WASTE
	PLUMBING INTERCONNECTION

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SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT PLUMBING ROUGH-IN PLAN (DINING ROOM)

FOODSERVICE

FS402

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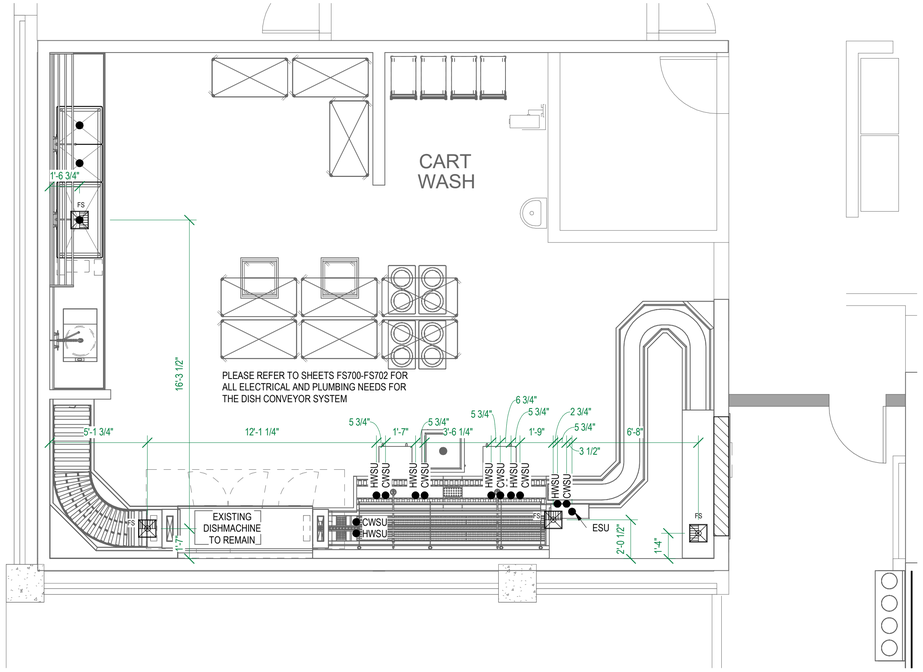


6 FOODSERVICE FIXTURE AND EQUIPMENT SPECIAL CONDITIONS PLAN (DISHWASH AREA)
1/4" = 1'-0"

IMPORTANT NOTE:
LOCATIONS OF CONDUITS ARE APPROXIMATE. FINAL LOCATIONS MUST BE VERIFIED WITH OWNERS/VENDORS/ & KITCHEN EQUIP. CONTR.

SYMBOLS

- SODA CONDUIT UNDER SLAB
  MATERIAL: 4" PVC
  (BY G.C.)
- WALL BACKING FOR EQUIPMENT ABOVE 36"
  MATERIAL: 18 GA. GALVANIZED METAL OR EQUAL
  (BY G.C.)
- FRP SANITARY WALL
  MATERIAL: MARLITE P100 (WHITE)
  (BY G.C.)
- STAINLESS STEEL WALL FLASHING
  MATERIAL: 16 GA. 304 STAINLESS STEEL
  (BY K.E.C.)

CORING LEGEND

FS	FLOOR SINK (HALF GRATE)
ESU	ELECTRICAL STUB-UP
CWSU	PLUMBING CW STUB-UP

SPECIAL CONDITIONS NOTES:

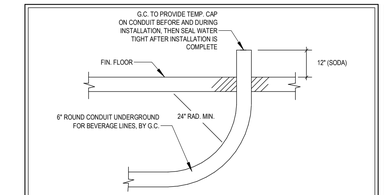
1. FLOOR SINKS TO BE LOCATED UNDERNEATH THE SERVING COUNTERS. FLOOR SINKS SHALL NOT PROTRUDE INTO SERVICE ISLE SPACE OR PAST REMOVABLE TOE KICKS AS SHOW ON SHEET FS-6.0 SPECIAL CONDITIONS PLANS.

2. GENERAL CONTRACTOR TO PROVIDE ALL OPENINGS IN EXISTING WALLS AS NOTED ON PLANS FOR FOODSERVICE EQUIPMENT INSTALLATION REQUIREMENTS.

3. GENERAL CONTRACTOR TO PROVIDE ALL BUILDING POWER FEEDS FROM BUILDING PANEL TO LOAD CENTERS PROVIDED WITH SERVING COUNTERS AS NOTED WITHIN PLANS IN PREPARATION FOR FINAL CONNECTIONS BY TRIMARK.

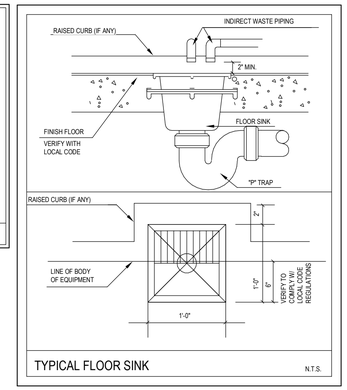
4. GENERAL CONTRACTOR TO FILL-IN EXISTING PASS-THRU OPENINGS AS REQUIRED BY NEW FOODSERVICE EQUIPMENT DESIGN.

5. ALL DATA RUNS AND DROPS REQUIRED BY THE DIGITAL MENU BOARDS AND POS SYSTEMS ARE TO BE RUN BY THE GENERAL CONTRACTOR. GENERAL CONTRACTOR TO COORDINATE ALL DATA REQUIREMENTS WITH U.S. AIR FORCE PRIOR TO ROUGH-IN.

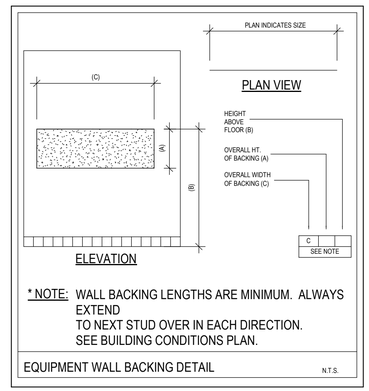


*VERIFY EXACT LOCATIONS WITH OWNER/VENDOR.

SODA CONDUIT DETAIL (UNDER FLOOR) N.T.S.

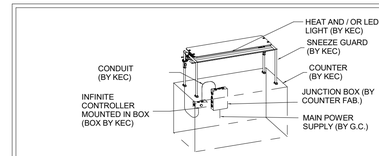


TYPICAL FLOOR SINK N.T.S.

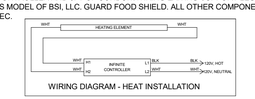


* NOTE: WALL BACKING LENGTHS ARE MINIMUM. ALWAYS EXTEND TO NEXT STUD OVER IN EACH DIRECTION. SEE BUILDING CONDITIONS PLAN.

EQUIPMENT WALL BACKING DETAIL N.T.S.



TYPICAL FOOD SHIELD HEAT INSTALLATION (BY KEC)
1. ALL WIRING SHOULD BE PERFORMED BY A CERTIFIED ELECTRICIAN UNDER THE KEC'S CONTRACT.
2. WIRES ARE ROUTED THROUGH WIRE CHASE/SUPPORT LEGS PER APPROVED SHOP DRAWINGS.
3. MOUNT THE INFINITE CONTROLLER IN COUNTER APRON THRU THE WIRE CHASE/SUPPORT LEG.
4. THE INFINITE CONTROLLER AND 6FT OF CONDUIT/WIRING EXITING SUPPORT LEGS ARE ALL PROVIDED WITH THIS MODEL OF BSI, LLC. GUARD FOOD SHIELD. ALL OTHER COMPONENTS ARE PROVIDED BY THE KEC.



WIRING DIAGRAM - HEAT INSTALLATION

SNEEZE GUARD HEAT LAMP / LED LIGHT WIRING DETAIL N.T.S.

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: EK
SIZE: ANSI D

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT SPECIAL CONDITIONS PLAN (DISHWASH AREA)

FOODSERVICE

FS600

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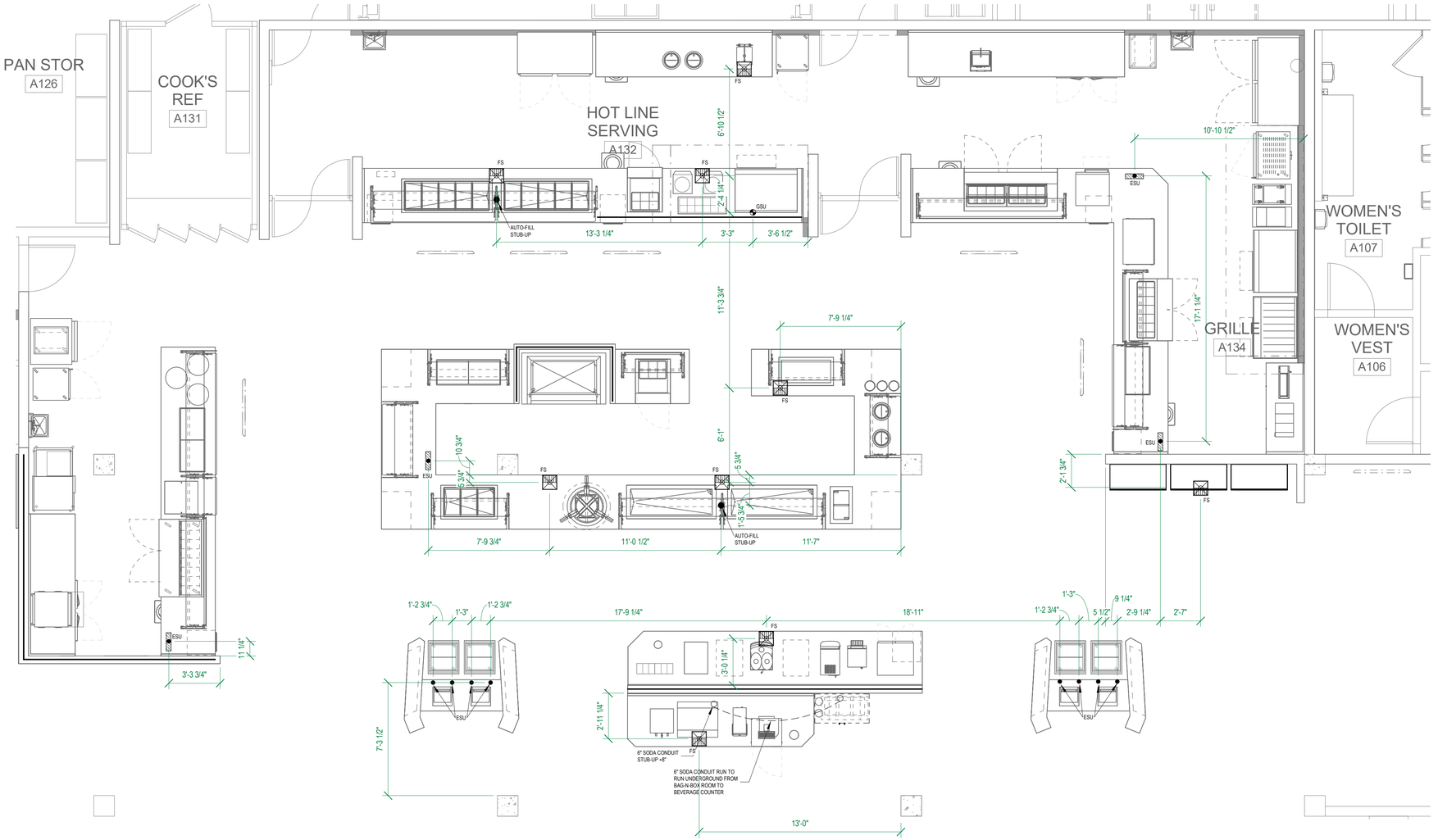


1 FOODSERVICE FIXTURE AND EQUIPMENT SPECIAL CONDITIONS PLAN (SERVERY AREA)
1/4" = 1'-0"

SPECIAL CONDITIONS NOTES:

1. FLOOR SINKS TO BE LOCATED UNDERNEATH THE SERVING COUNTERS. FLOOR SINKS SHALL NOT PROTRUDE INTO SERVICE ISLE SPACE OR PAST REMOVABLE TOE KICKS AS SHOW ON SHEET FS-6.0 SPECIAL CONDITIONS PLANS.

2. GENERAL CONTRACTOR TO PROVIDE ALL OPENINGS IN EXISTING WALLS AS NOTED ON PLANS FOR FOODSERVICE EQUIPMENT INSTALLATION REQUIREMENTS.

3. GENERAL CONTRACTOR TO PROVIDE ALL BUILDING POWER FEEDS FROM BUILDING PANEL TO LOAD CENTERS PROVIDED WITH SERVING COUNTERS AS NOTED WITHIN PLANS IN PREPARATION FOR FINAL CONNECTIONS BY TRIMARK.

4. GENERAL CONTRACTOR TO FILL-IN EXISTING PASS-THRU OPENINGS AS REQUIRED BY NEW FOODSERVICE EQUIPMENT DESIGN.

5. ALL DATA RUNS AND DROPS REQUIRED BY THE DIGITAL MENU BOARDS AND POS SYSTEMS ARE TO BE RUN BY THE GENERAL CONTRACTOR. GENERAL CONTRACTOR TO COORDINATE ALL DATA REQUIREMENTS WITH U.S. AIR FORCE PRIOR TO ROUGH-IN.

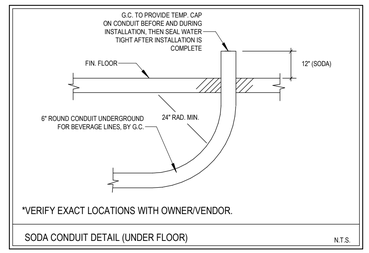
CORING LEGEND

	FLOOR SINK (HALF GRATE)
● ESU	ELECTRICAL STUB-UP
○ CWSU	PLUMBING CW STUB-UP

IMPORTANT NOTE:
LOCATIONS OF CONDUITS ARE APPROXIMATE. FINAL LOCATIONS MUST BE VERIFIED WITH OWNER/VENDORS & KITCHEN EQUIP. CONTR.

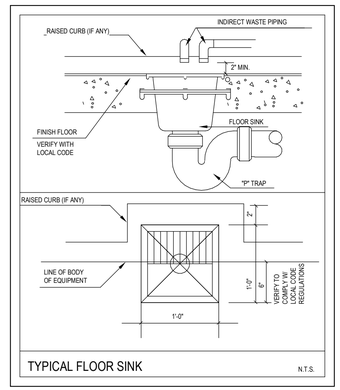
SYMBOLS

- SODA CONDUIT UNDER SLAB (BY EC) 4" PVC
- WALL BACKING FOR EQUIPMENT ABOVE 36", MATERIAL: 16 GA. GALVANIZED METAL OR EQUAL (BY EC)
- FRP SANITARY WALL MATERIAL: WALLITE 7100 (WHITE) (BY EC)
- STAINLESS STEEL WALL FLASHING MATERIAL: 16 GA. 304 STAINLESS STEEL (BY EC)

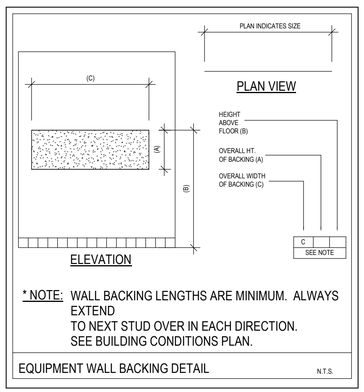


*VERIFY EXACT LOCATIONS WITH OWNER/VENDOR.

SODA CONDUIT DETAIL (UNDER FLOOR) N.T.S.

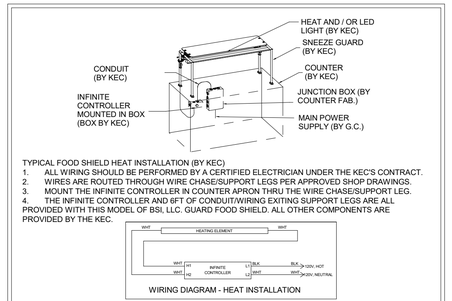


TYPICAL FLOOR SINK N.T.S.



* NOTE: WALL BACKING LENGTHS ARE MINIMUM. ALWAYS EXTEND TO NEXT STUD OVER IN EACH DIRECTION. SEE BUILDING CONDITIONS PLAN.

EQUIPMENT WALL BACKING DETAIL N.T.S.



TYPICAL FOOD SHIELD HEAT INSTALLATION (BY KEC)
1. ALL WIRING SHOULD BE PERFORMED BY A CERTIFIED ELECTRICIAN UNDER THE KEC'S CONTRACT.
2. WIRES ARE ROUTED THROUGH WIRE CHASE/SUPPORT LEGS PER APPROVED SHOP DRAWINGS.
3. MOUNT THE INFINITE CONTROLLER IN COUNTER APRON THRU THE WIRE CHASE/SUPPORT LEG.
4. THE INFINITE CONTROLLER AND 6FT OF CONDUIT/WIRING EXITING SUPPORT LEGS ARE ALL PROVIDED WITH THIS MODEL OF BSI, LLC. GUARD FOOD SHIELD. ALL OTHER COMPONENTS ARE PROVIDED BY THE KEC.

WIRING DIAGRAM - HEAT INSTALLATION

SNEEZE GUARD HEAT LAMP / LED LIGHT WIRING DETAIL N.T.S.

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: KK
SIZE: ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.383.0282

Consultant of Record
Andrew Keaggy

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT SPECIAL CONDITIONS PLAN (SERVERY AREA)

FOODSERVICE

FS601

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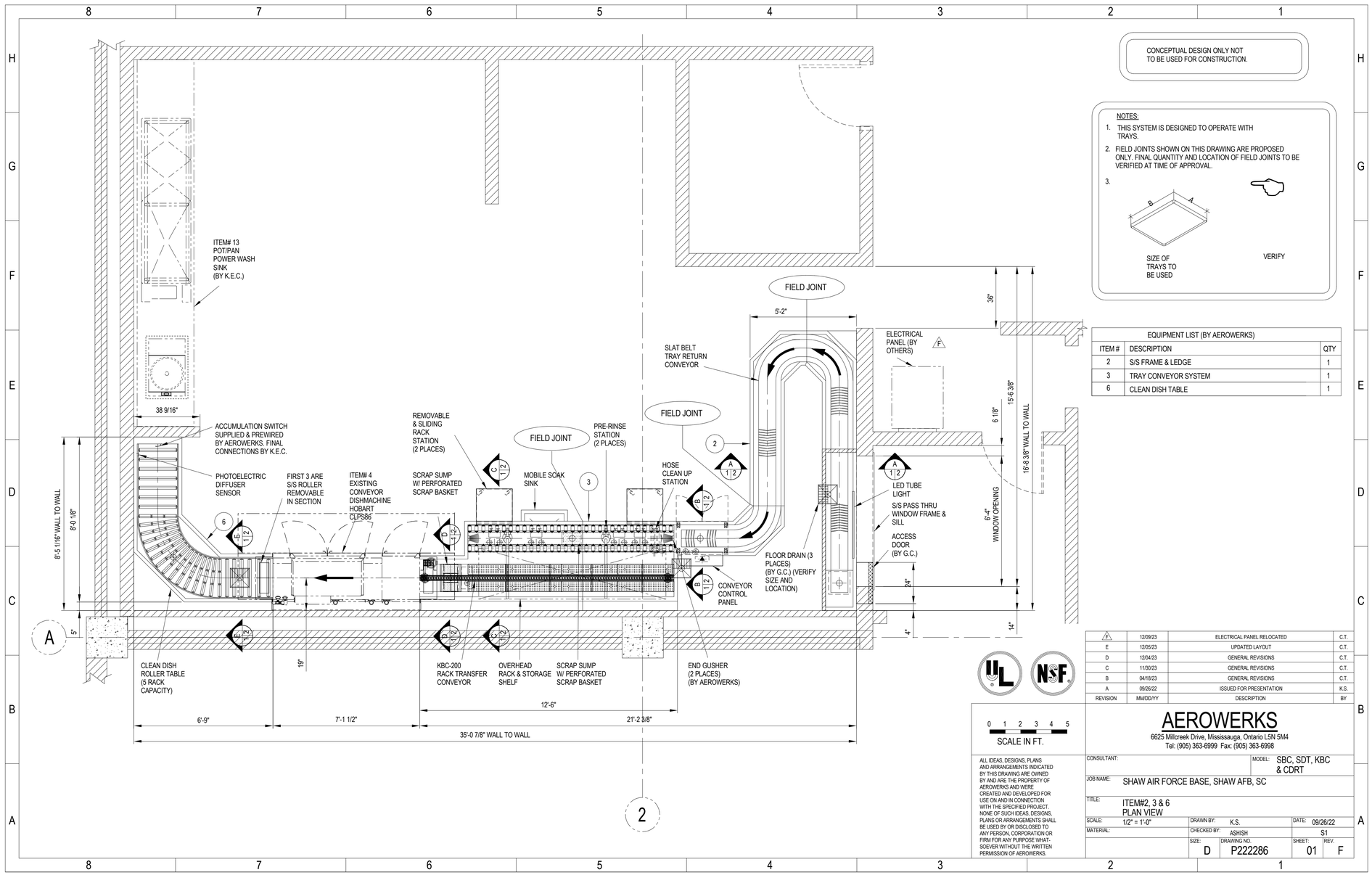

CONCEPTUAL DESIGN ONLY NOT
TO BE USED FOR CONSTRUCTION.

NOTES:

1. THIS SYSTEM IS DESIGNED TO OPERATE WITH TRAYS.
2. FIELD JOINTS SHOWN ON THIS DRAWING ARE PROPOSED ONLY. FINAL QUANTITY AND LOCATION OF FIELD JOINTS TO BE VERIFIED AT TIME OF APPROVAL.
3.

SIZE OF TRAYS TO BE USED

VERIFY

EQUIPMENT LIST (BY AEROWERKS)		
ITEM #	DESCRIPTION	QTY
2	S/S FRAME & LEDGE	1
3	TRAY CONVEYOR SYSTEM	1
6	CLEAN DISH TABLE	1

REVISION	MM/DD/YY	DESCRIPTION	BY
F	12/09/23	ELECTRICAL PANEL RELOCATED	C.T.
E	12/05/23	UPDATED LAYOUT	C.T.
D	12/04/23	GENERAL REVISIONS	C.T.
C	11/30/23	GENERAL REVISIONS	C.T.
B	04/18/23	GENERAL REVISIONS	C.T.
A	09/26/22	ISSUED FOR PRESENTATION	K.S.

SCALE IN FT. 0 1 2 3 4 5

ALL IDEAS, DESIGNS, PLANS AND ARRANGEMENTS INDICATED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF AEROWERKS AND WERE CREATED AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, PLANS OR ARRANGEMENTS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, CORPORATION OR FIRM FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF AEROWERKS.

AEROWERKS
6625 Millcreek Drive, Mississauga, Ontario L5N 5M4
Tel: (905) 363-6999 Fax: (905) 363-6998

CONSULTANT:

MODEL: SBC, SDT, KBC & CDRT

JOB NAME: SHAW AIR FORCE BASE, SHAW AFB, SC

TITLE: ITEM#2, 3 & 6
PLAN VIEW

SCALE:	DRAWN BY:	DATE:
1/2" = 1'-0"	K.S.	09/26/22
MATERIAL:	CHECKED BY:	S1
	ASHISH	
SIZE: D	DRAWING NO. P222286	SHEET: 01 REV. F

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY:	AK
DRAWN BY:	SR
CHECKED BY:	KK
SUBMITTED BY:	EB
SIZE:	ANSI D

ISSUE DATE: 4/03/2024

PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE AEROWERKS SHOP DRAWINGS

FOODSERVICE

FS700

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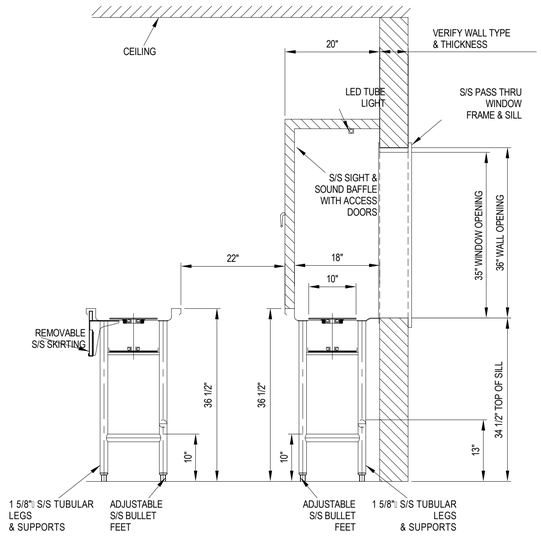

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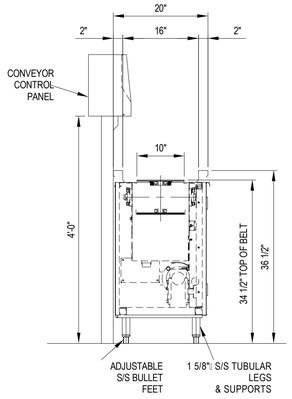

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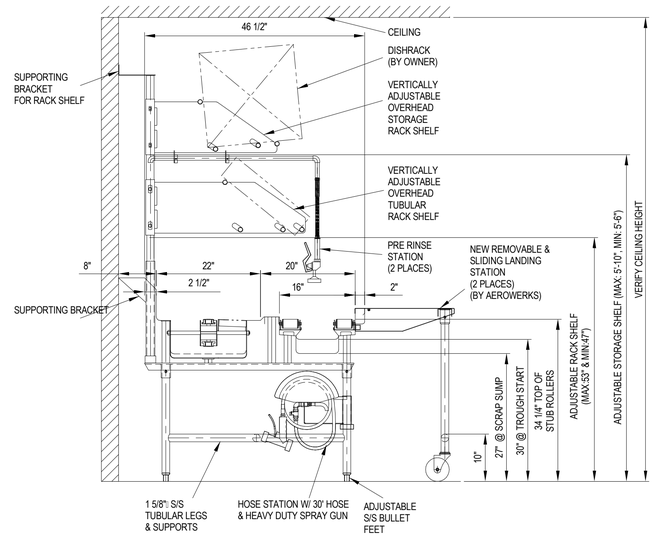

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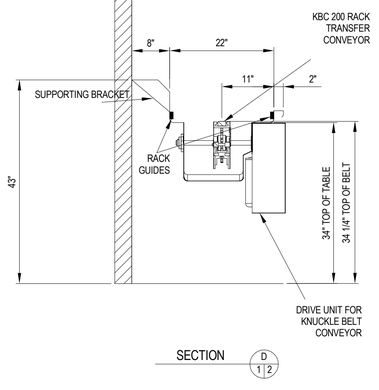

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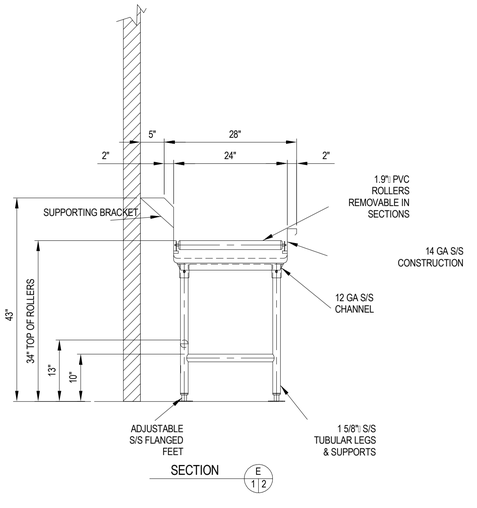

SECTION E 1|2

REVISION	MM/DD/YY	DESCRIPTION	BY
C	12/11/23	UPDATED AS PER PLAN VIEW	C.T.
B	11/30/23	UPDATED AS PER PLAN VIEW	C.T.
A	04/19/23	ISSUED FOR PRESENTATION	C.T.

SCALE IN FT. 0 1 2

ALL IDEAS, DESIGNS, PLANS AND ARRANGEMENTS INDICATED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF AEROWERKS AND WERE CREATED AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, PLANS OR ARRANGEMENTS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, CORPORATION OR FIRM FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF AEROWERKS.

AEROWERKS
6625 Millcreek Drive, Mississauga, Ontario L5N 5M4
Tel: (905) 363-6999 Fax: (905) 363-6998

CONSULTANT:

JOB NAME: SHAW AIR FORCE BASE, SHAW AFB, SC

TITLE: ITEM#2, 3 & 6
CROSS SECTIONS

SCALE:	DRAWN BY:	DATE:
1" = 1'-0"	C.T.	04/19/23
MATERIAL:	CHECKED BY:	
	ASHISH	S1

SIZE:	DRAWING NO.	SHEET:	REV.
D	P222286	02	C

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: EB
SIZE: ANSI D

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
429 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE AEROWERKS SHOP DRAWINGS

FOODSERVICE

FS701

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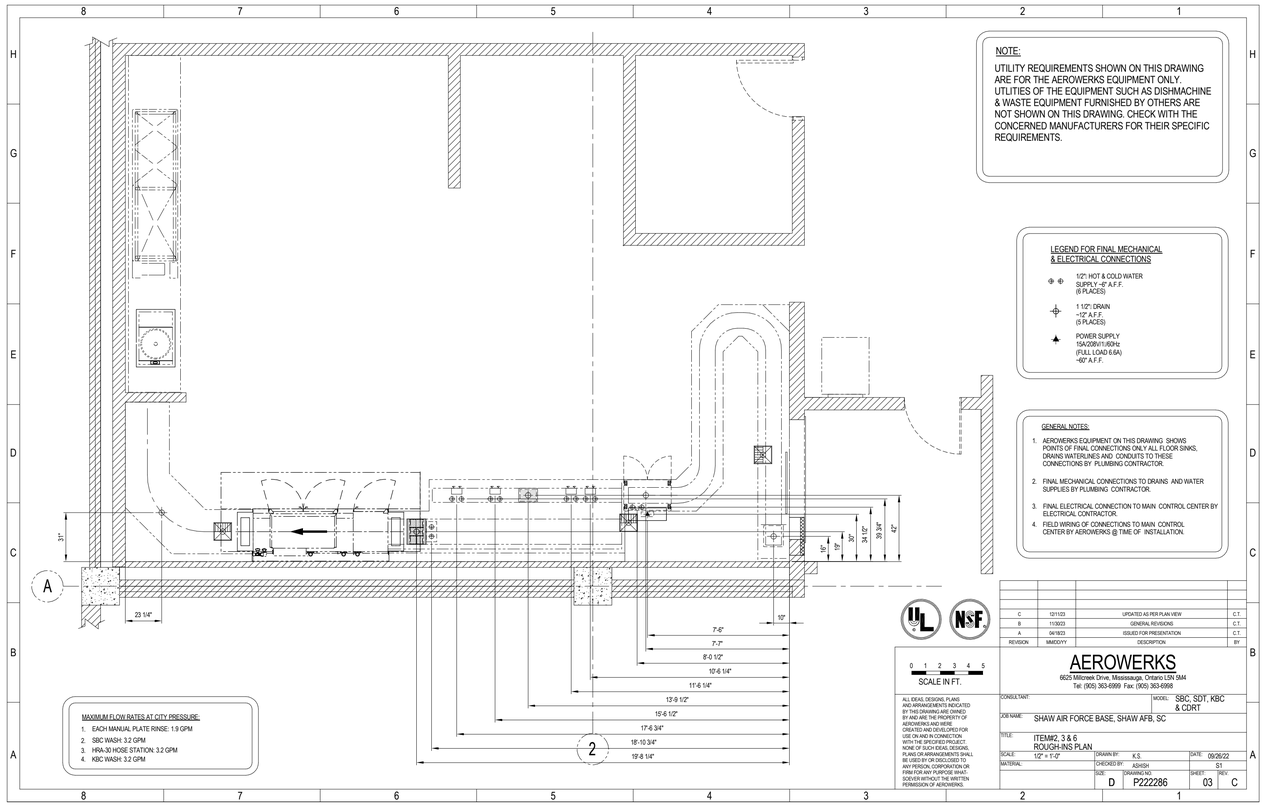

NOTE:

UTILITY REQUIREMENTS SHOWN ON THIS DRAWING ARE FOR THE AEROWERKS EQUIPMENT ONLY. UTLILITIES OF THE EQUIPMENT SUCH AS DISHMACHINE & WASTE EQUIPMENT FURNISHED BY OTHERS ARE NOT SHOWN ON THIS DRAWING. CHECK WITH THE CONCERNED MANUFACTURERS FOR THEIR SPECIFIC REQUIREMENTS.

LEGEND FOR FINAL MECHANICAL & ELECTRICAL CONNECTIONS

- 1/2": HOT & COLD WATER SUPPLY -6" A.F.F. (6 PLACES)
- 1 1/2": DRAIN -12" A.F.F. (5 PLACES)
- POWER SUPPLY 15A/208V/1.6/60Hz (FULL LOAD 6.6A) -60" A.F.F.

GENERAL NOTES:

1. AEROWERKS EQUIPMENT ON THIS DRAWING SHOWS POINTS OF FINAL CONNECTIONS ONLY ALL FLOOR SINKS, DRAINS WATERLINES AND CONDUITS TO THESE CONNECTIONS BY PLUMBING CONTRACTOR.
2. FINAL MECHANICAL CONNECTIONS TO DRAINS AND WATER SUPPLIES BY PLUMBING CONTRACTOR.
3. FINAL ELECTRICAL CONNECTION TO MAIN CONTROL CENTER BY ELECTRICAL CONTRACTOR.
4. FIELD WIRING OF CONNECTIONS TO MAIN CONTROL CENTER BY AEROWERKS @ TIME OF INSTALLATION.

MAXIMUM FLOW RATES AT CITY PRESSURE:

1. EACH MANUAL PLATE RINSE: 1.9 GPM
2. SBC WASH: 3.2 GPM
3. HRA-30 HOSE STATION: 3.2 GPM
4. KBC WASH: 3.2 GPM

REVISION	MM/DD/YY	DESCRIPTION	BY
C	12/11/23	UPDATED AS PER PLAN VIEW	C.T.
B	11/30/23	GENERAL REVISIONS	C.T.
A	04/18/23	ISSUED FOR PRESENTATION	C.T.

SCALE IN FT. 0 1 2 3 4 5

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6625 Millcreek Drive, Mississauga, Ontario L5N 3M4
Tel: (905) 363-6999 Fax: (905) 363-6998

CONSULTANT:

MODEL: SBC, SDT, KBC & CDRT

JOB NAME: SHAW AIR FORCE BASE, SHAW AFB, SC

TITLE: ITEM#2, 3 & 6 ROUGH-INS PLAN

SCALE:	1/2" = 1'-0"	DRAWN BY:	K.S.	DATE:	09/26/22
MATERIAL:		CHECKED BY:	ASHISH		S1
SIZE:	D	DRAWING NO:	P222286	SHEET:	03 REV: C

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024

PROJECT NO.: 2021-04777-00

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: EB
SIZE: ANSI D

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
429 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE AEROWERKS SHOP DRAWINGS

FOODSERVICE

FS702

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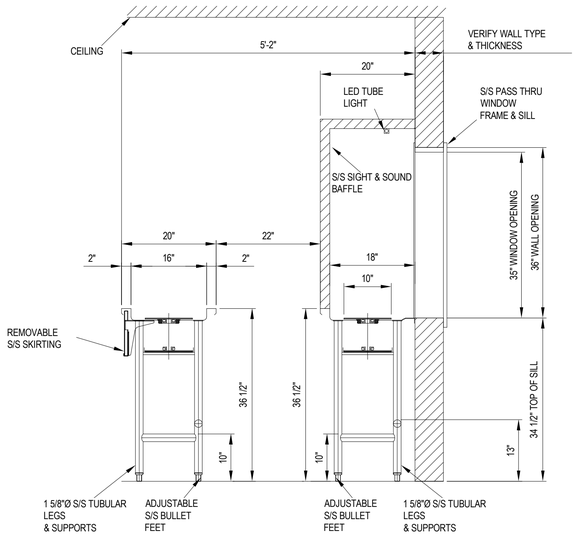
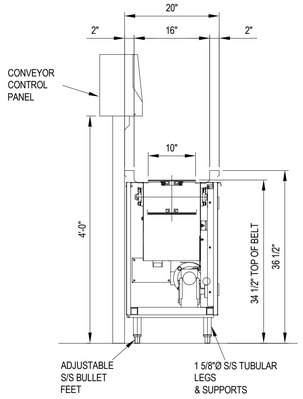


SECTION C 1 | 4



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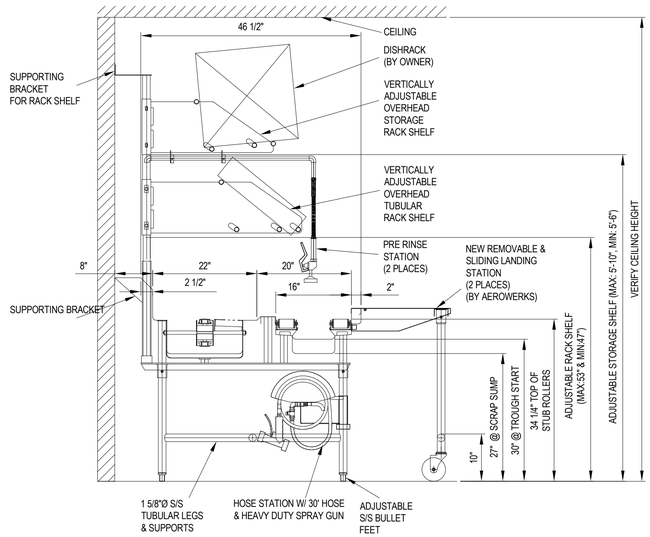

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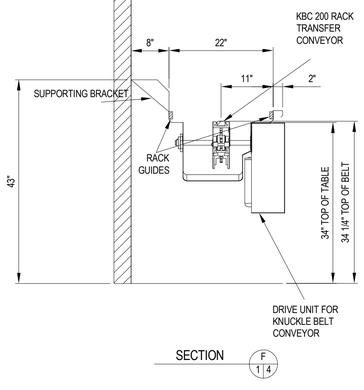

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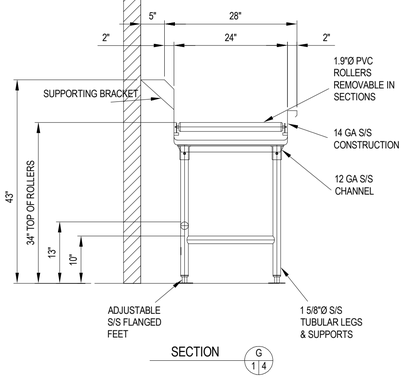


SECTION G 1 | 4

REVISION	MM/DD/YY	DESCRIPTION	BY
D	12/15/23	UPDATED AS PER PLAN VIEW	C.T.
C	12/11/23	UPDATED AS PER PLAN VIEW	C.T.
B	11/30/23	UPDATED AS PER PLAN VIEW	C.T.
A	04/19/23	ISSUED FOR PRESENTATION	C.T.

0 1 2
SCALE IN FT.

ALL IDEAS, DESIGNS, PLANS AND ARRANGEMENTS INDICATED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF AEROWERKS AND WERE CREATED AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, PLANS OR ARRANGEMENTS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, CORPORATION OR FIRM FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF AEROWERKS.

AEROWERKS
6625 Millcreek Drive, Mississauga, Ontario L5N 5M4
Tel: (905) 363-6999 Fax: (905) 363-6998

CONSULTANT:

JOB NAME: SHAW AIR FORCE BASE, SHAW AFB, SC

TITLE: ITEM#2, 3 & 6
CROSS SECTIONS

SCALE:	1" = 1'-0"	DRAWN BY:	C.T.	DATE:	04/19/23
MATERIAL:		CHECKED BY:	ASHISH		S1
		SIZE:	D	DRAWING NO. P222286	SHEET: 04 REV. D

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024

PROJECT NO.: 2021-04777-00

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: EB
SIZE: ANSI D

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
429 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

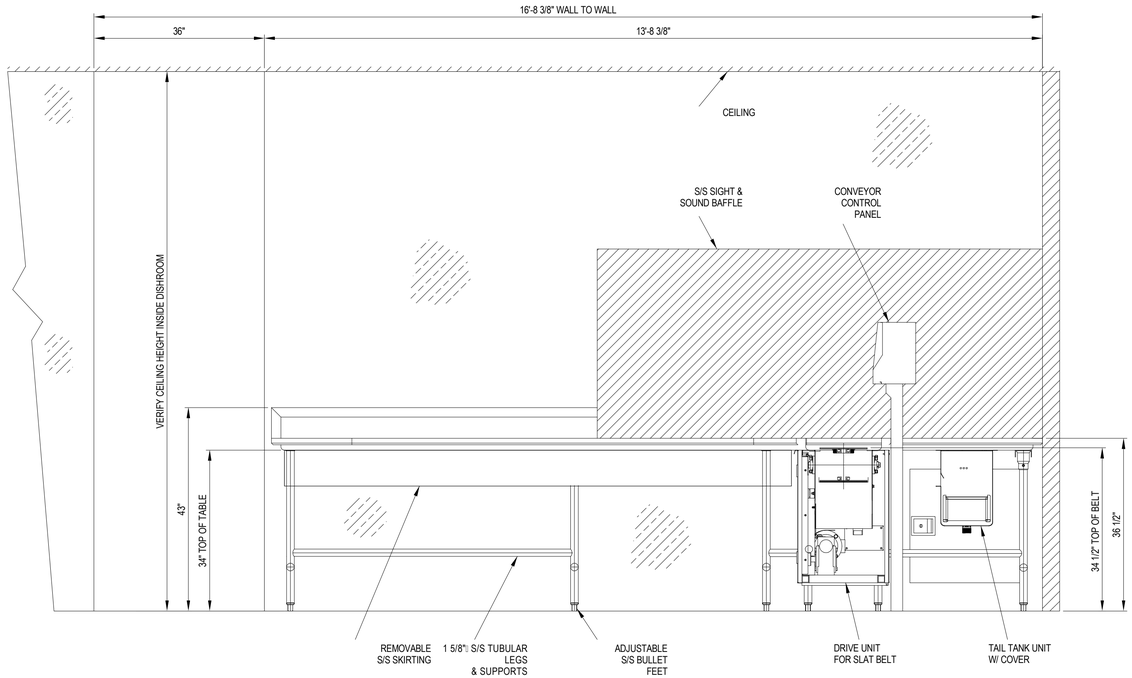
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE AEROWERKS SHOP DRAWINGS

FOODSERVICE

FS703

4/2/2024 2:50:07 PM



ELEVATION A 1|2

REVISION	MM/DD/YY	DESCRIPTION	BY
A	12/15/23	ISSUED FOR PRESENTATION	C.T.

0 1 2 3 4 5
SCALE IN FT.

AEROWERKS
6625 Millcreek Drive, Mississauga, Ontario L5N 5M4
Tel: (905) 363-6999 Fax: (905) 363-6998

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CONSULTANT:
MODEL: SBC, SDT, KBC & CDRT
JOB NAME: SHAW AIR FORCE BASE, SHAW AFB, SC
TITLE: ITEM#2, 3 & 6 ELEVATION
SCALE: 1" = 1'-0"
DRAWN BY: C.T.
DATE: 12/15/23
MATERIAL:
CHECKED BY: ASHISH
S1
SIZE: D
DRAWING NO. P222286
SHEET: 02
REV. A

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: ESM
SIZE: ANSI D

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
4428 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.383.0282

Consultant of Record
Andrew Keaggy

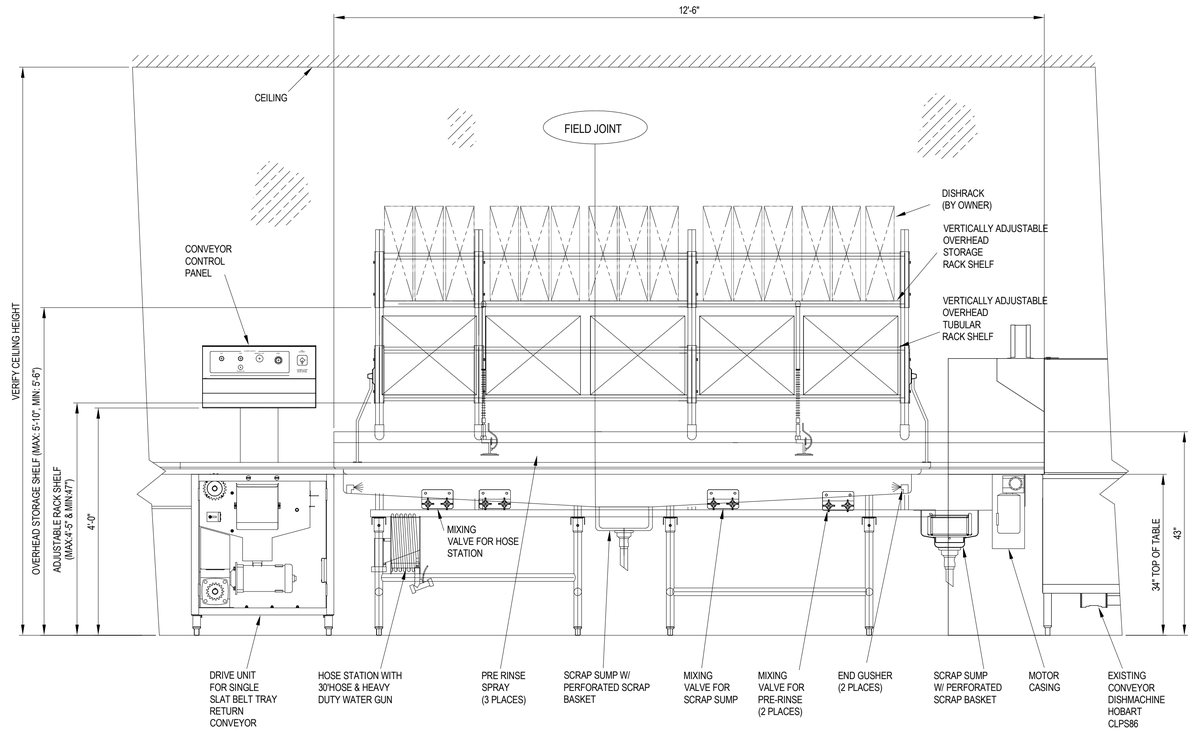
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE AEROWERKS SHOP DRAWINGS

FOODSERVICE

FS704

4/2/2024 2:50:07 PM



ELEVATION B 1|3

LANDING STATIONS & MOBILE SOAK SINK NOT SHOWN

REVISION	MM/DD/YY	DESCRIPTION	BY
A	12/15/23	ISSUED FOR PRESENTATION	C.T.

SCALE IN FT. 0 1 2 3 4 5

ALL IDEAS, DESIGNS, PLANS AND ARRANGEMENTS INDICATED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF AEROWERKS AND WERE CREATED AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, PLANS OR ARRANGEMENTS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, CORPORATION OR FIRM FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF AEROWERKS.

AEROWERKS
6625 Millcreek Drive, Mississauga, Ontario L5N 5M4
Tel: (905) 363-6999 Fax: (905) 363-6998

CONSULTANT: MODEL: SBC, SDT, KBC & CDRT

JOB NAME: SHAW AIR FORCE BASE, SHAW AFB, SC

TITLE: ITEM#2, 3 & 6 ELEVATION

SCALE:	DRAWN BY:	DATE:
1" = 1'-0"	C.T.	12/15/23
MATERIAL:	CHECKED BY:	
	ASHISH	S1

SIZE:	DRAWING NO.	SHEET:	REV.
D	P222286	03	A

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: BK
SIZE: ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
4228 SHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGNBUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE AEROWERKS SHOP DRAWINGS

FOODSERVICE

FS705

4/2/2024 2:50:07 PM

1 FOODSERVICE ELEVATIONS KEYPLAN
3/16" = 1'-0"

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: EK
SIZE: ANSI D
ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
4228 CHAPIN STREET
SHAW AFB, SC 29152

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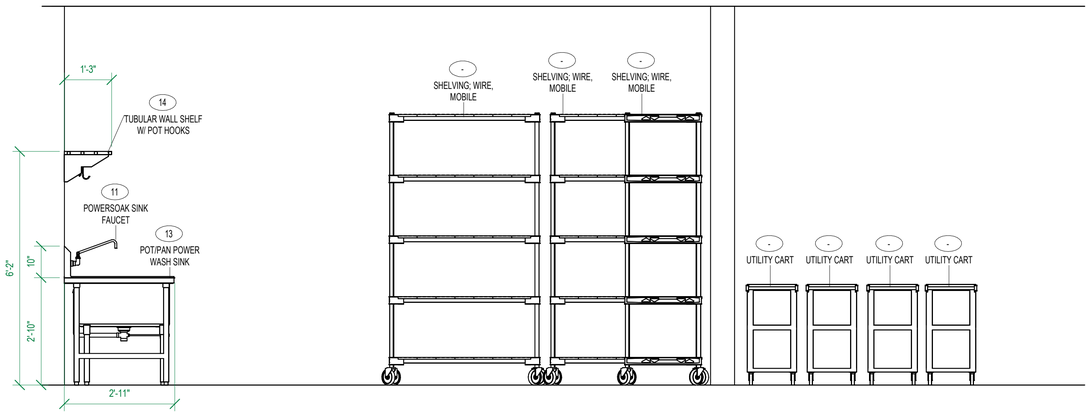
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE ELEVATIONS KEYPLAN

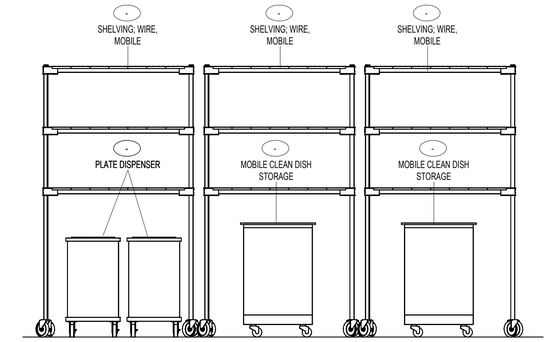
FOODSERVICE

FS800

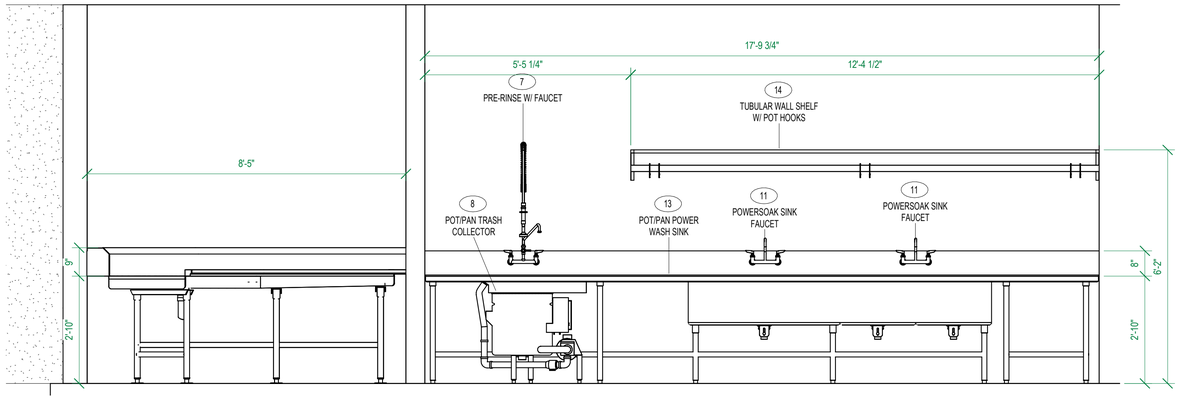
4/2/2024 2:50:08 PM



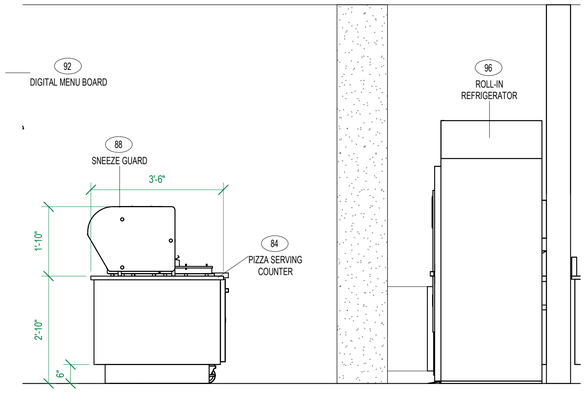
1 ELEVATION 1
1/2" = 1'-0"



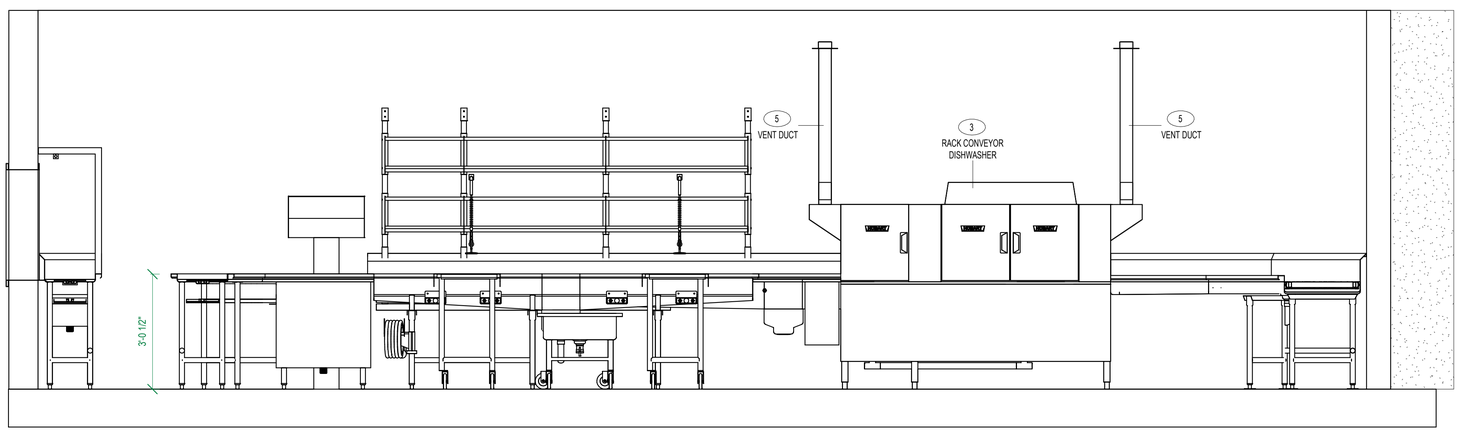
2 ELEVATION 2
1/2" = 1'-0"



3 ELEVATION 4
1/2" = 1'-0"



5 ELEVATION 3
1/2" = 1'-0"



4 ELEVATION 5
1/2" = 1'-0"

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00
DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: EL
SIZE: ANSI D

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
4226 CHAPIN ST. STE 1
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

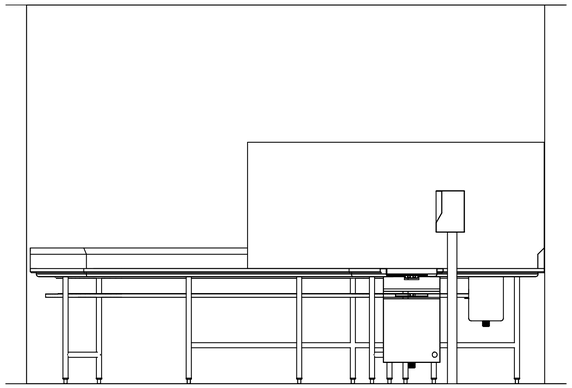
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT ELEVATIONS

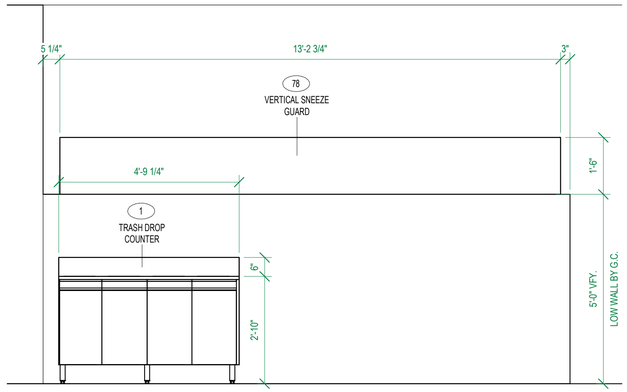
FOODSERVICE

FS801

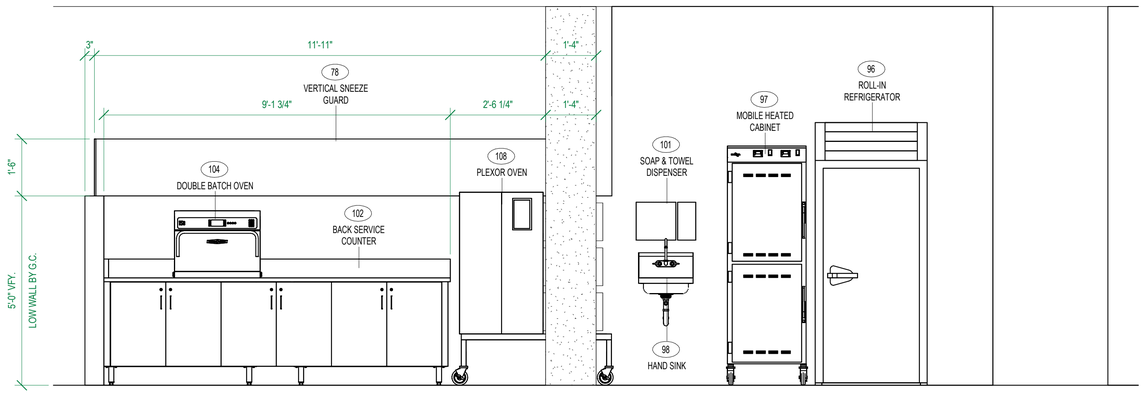
4/2/2024 2:50:14 PM



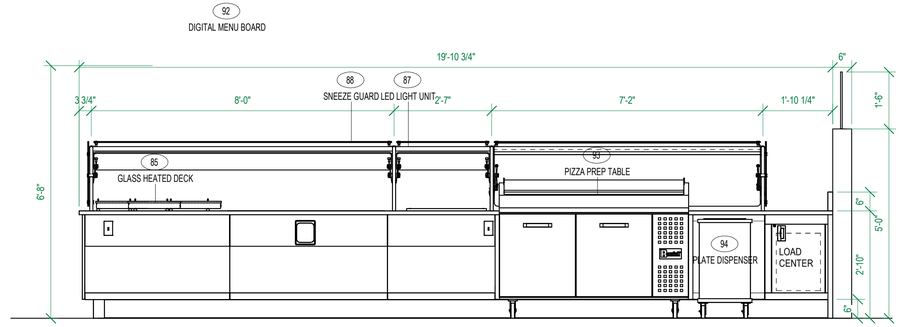
1 ELEVATION 6
1/2" = 1'-0"



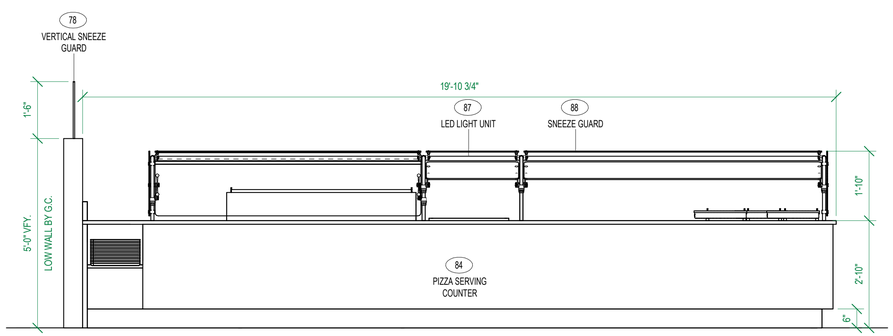
2 ELEVATION 7
1/2" = 1'-0"



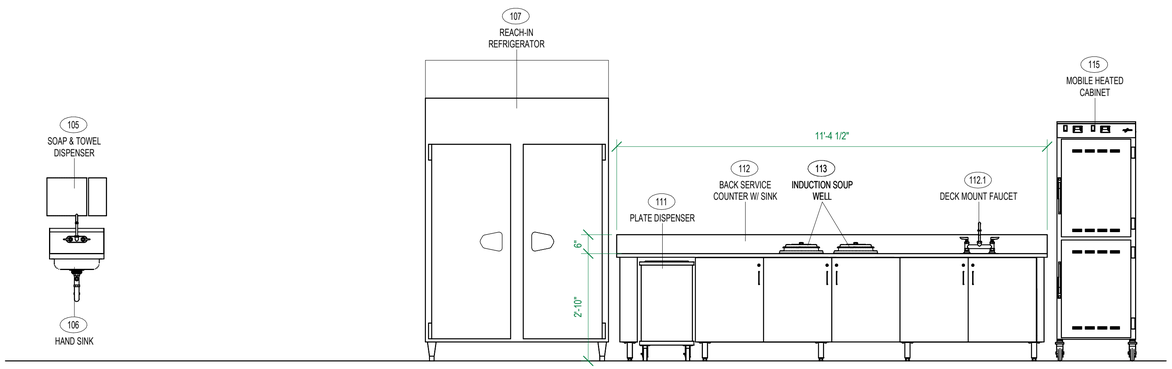
3 ELEVATION 8
1/2" = 1'-0"



4 ELEVATION 9
1/2" = 1'-0"



5 ELEVATION 10
1/2" = 1'-0"



6 ELEVATION 11
1/2" = 1'-0"

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: ED
SIZE: ANSI D

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
4226 CHAPIN ST FEET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

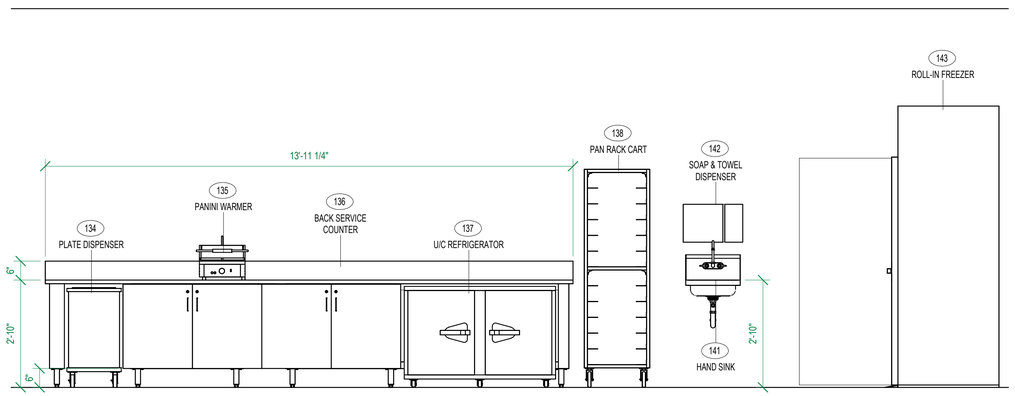
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT ELEVATIONS

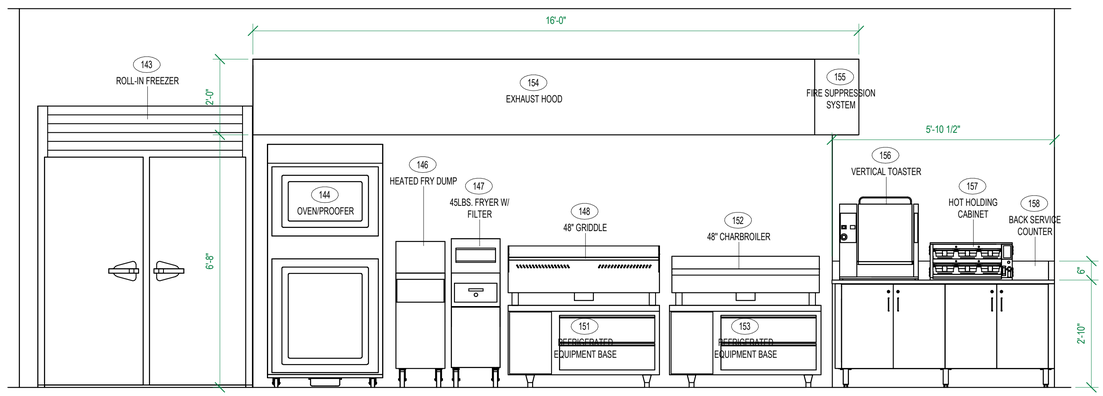
FOODSERVICE

FS802

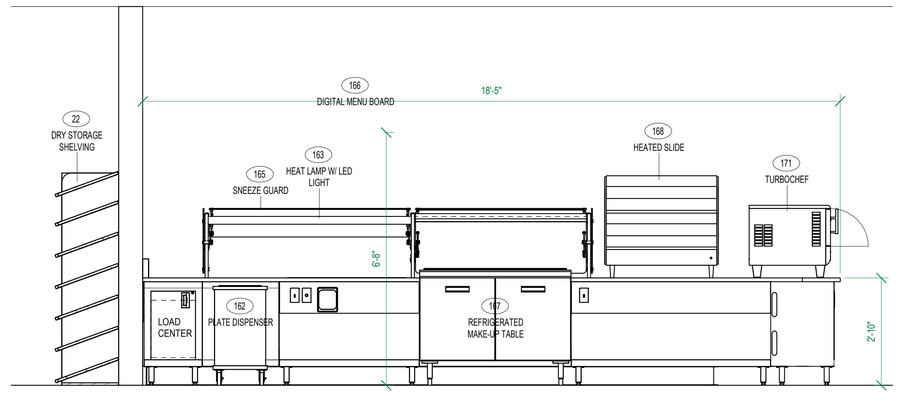
4/2/2024 2:50:15 PM



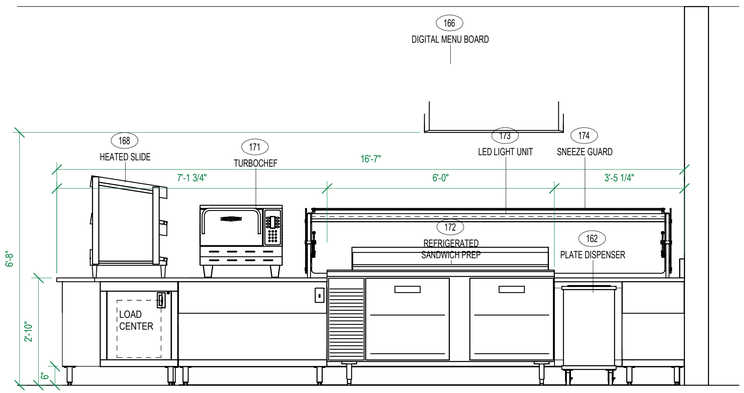
1 ELEVATION 12
1/2" = 1'-0"



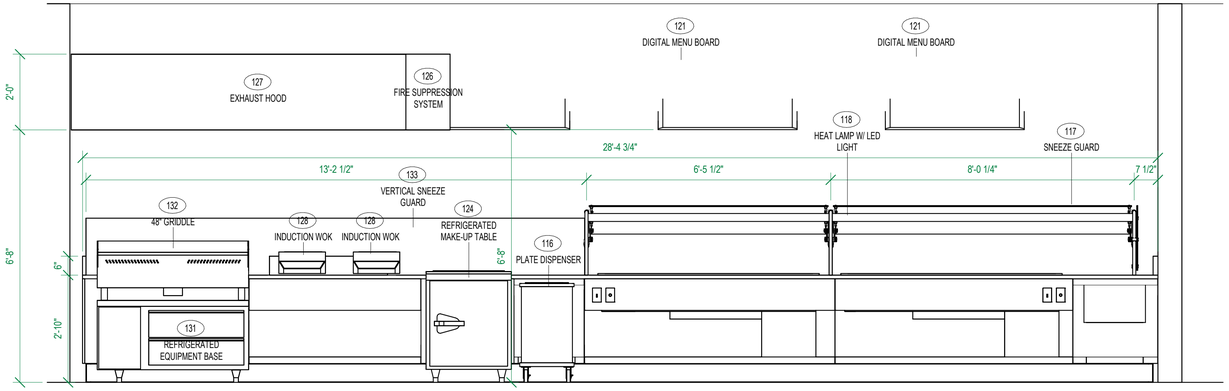
2 ELEVATION 13
1/2" = 1'-0"



3 ELEVATION 14
1/2" = 1'-0"



4 ELEVATION 15
1/2" = 1'-0"



5 ELEVATION 16
1/2" = 1'-0"

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY:
SIZE: ANSI D

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
420 CHAPIN ST STE 1
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

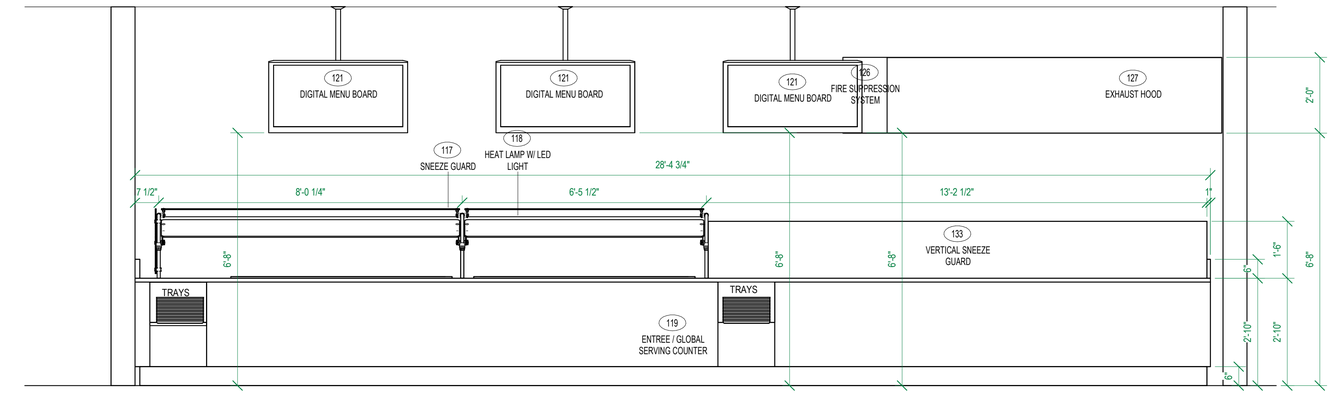
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT ELEVATIONS

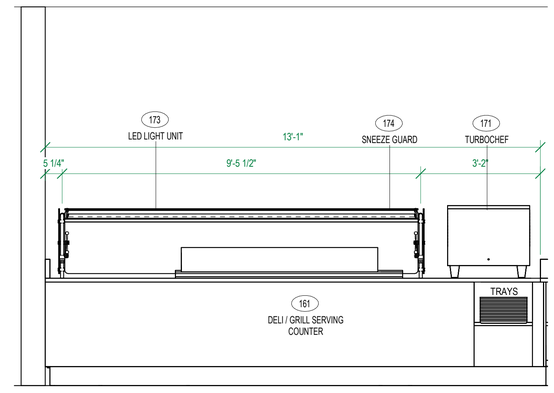
FOODSERVICE

FS803

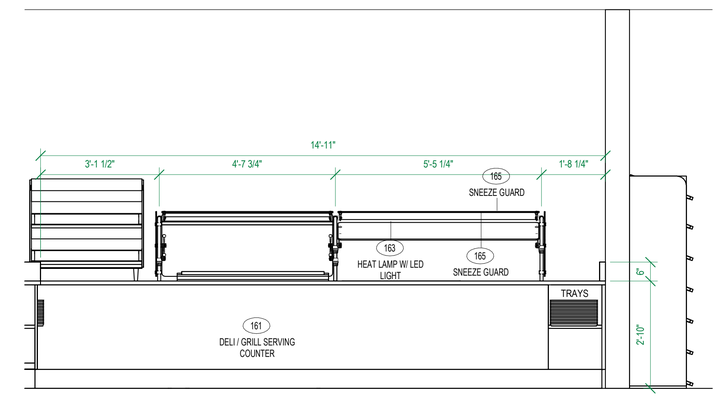
4/2/2024 2:50:17 PM



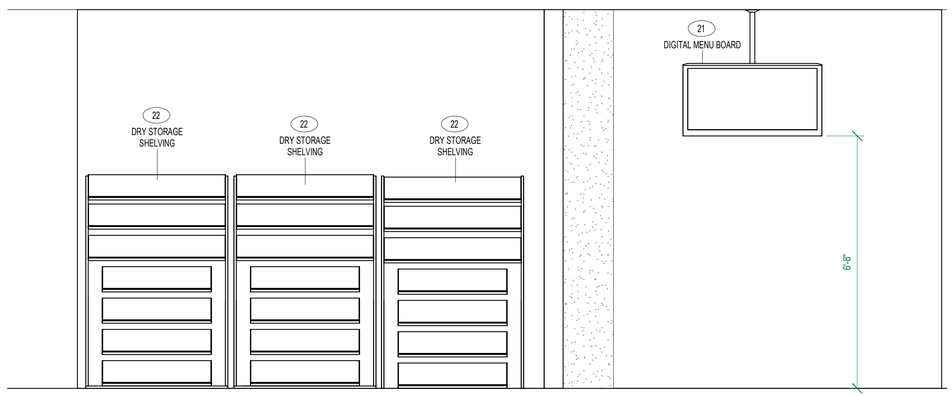
5 ELEVATION 17
1/2" = 1'-0"



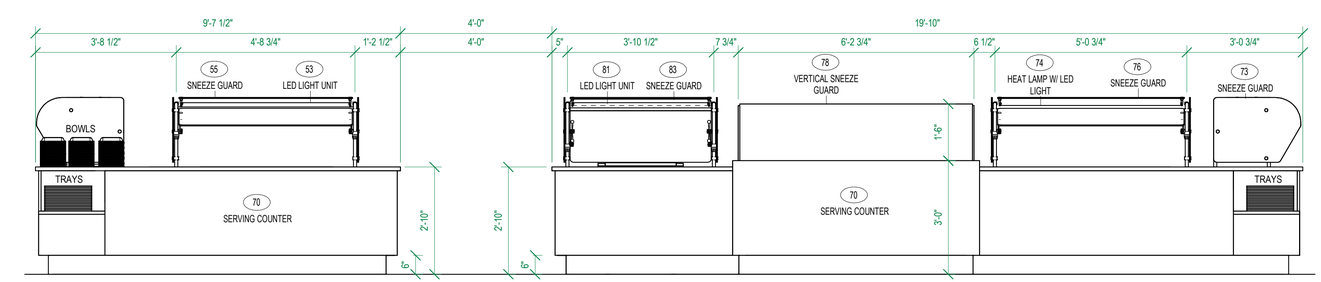
1 ELEVATION 18
1/2" = 1'-0"



2 ELEVATION 19
1/2" = 1'-0"



3 ELEVATION 20
1/2" = 1'-0"



4 ELEVATION 21
1/2" = 1'-0"

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: EB
SIZE: ANSI D

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
4428 CHAPPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGNBUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

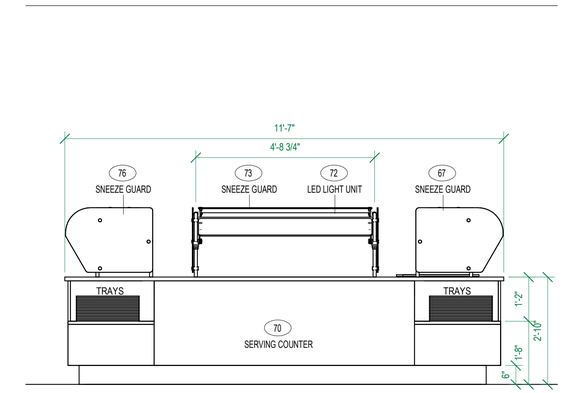
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT ELEVATIONS

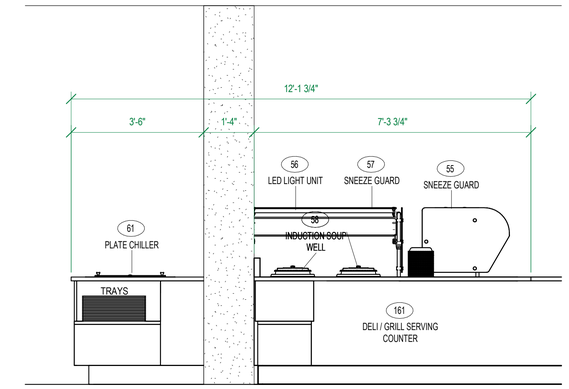
FOODSERVICE

FS804

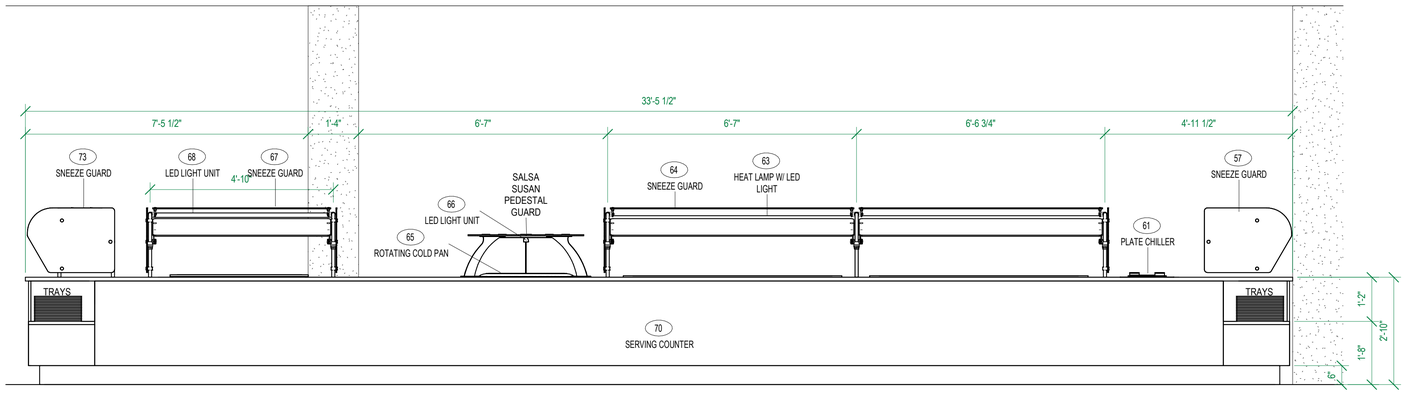
4/2/2024 2:50:18 PM



1 ELEVATION 22
1/2" = 1'-0"



2 ELEVATION 23
1/2" = 1'-0"



3 ELEVATION 24
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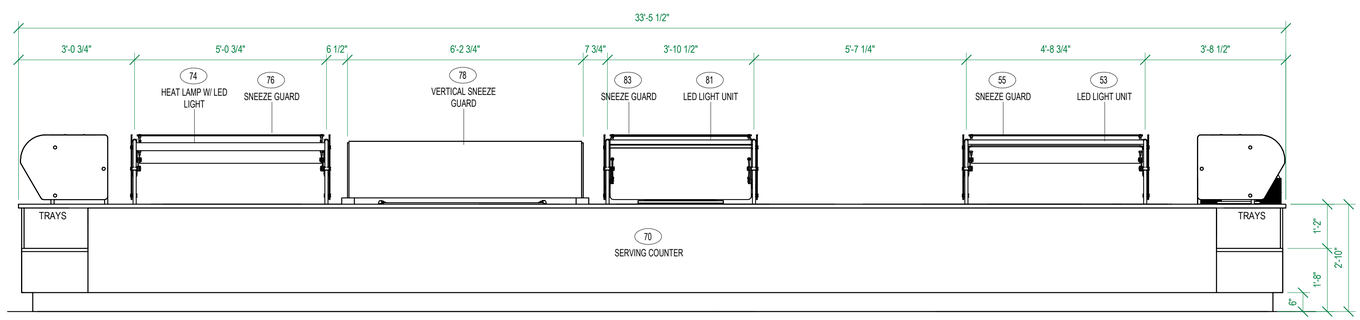


4 ELEVATION 25
1/2" = 1'-0"

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: ELIA K
SIZE: ANSI D

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
4428 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.383.0282

Consultant of Record
Andrew Keaggy

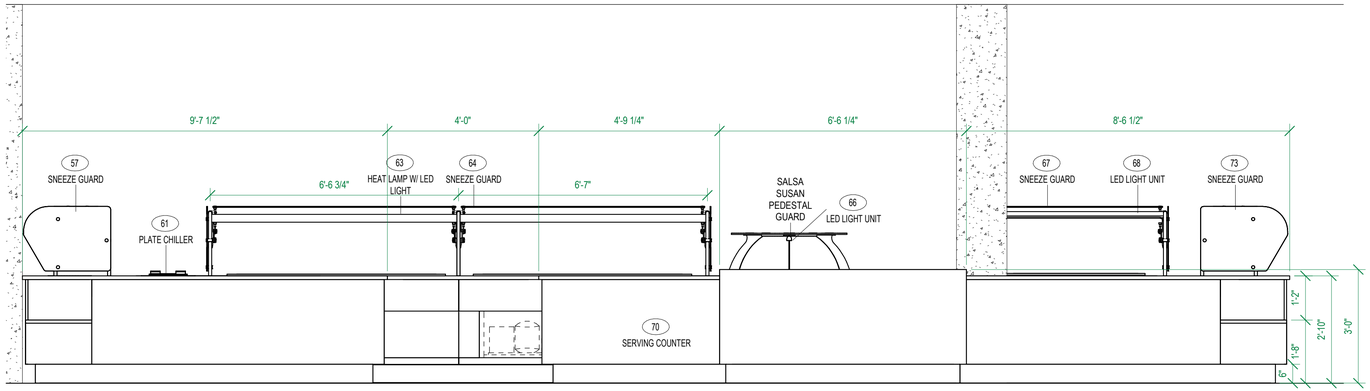
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT ELEVATIONS

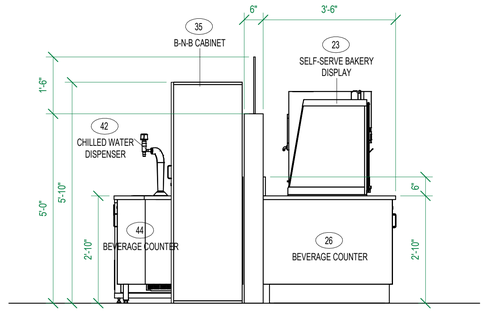
FOODSERVICE

FS805

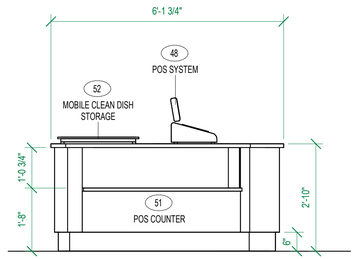
4/2/2024 2:50:20 PM



1 ELEVATION 26
1/2" = 1'-0"



2 ELEVATION 28
1/2" = 1'-0"



3 ELEVATION 29
1/2" = 1'-0"

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: EL
SIZE: ANSI D

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
4226 CHAPIN ST REET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

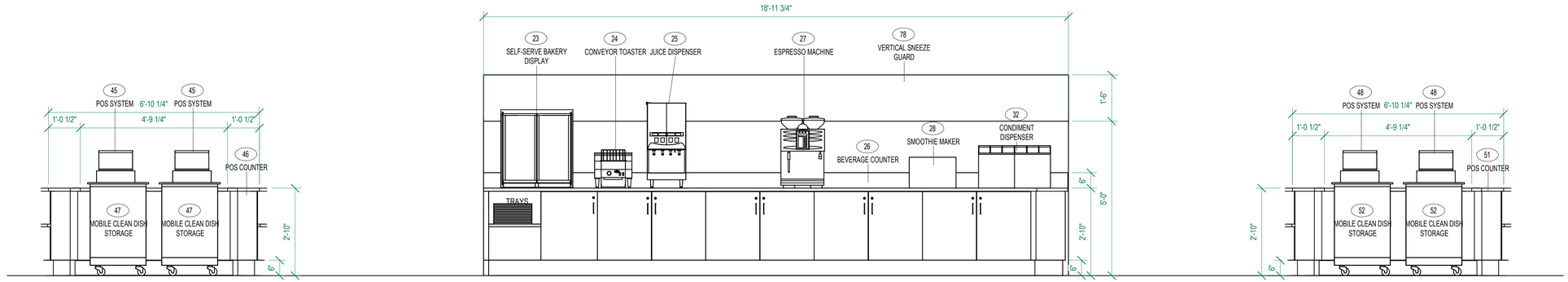
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT ELEVATIONS

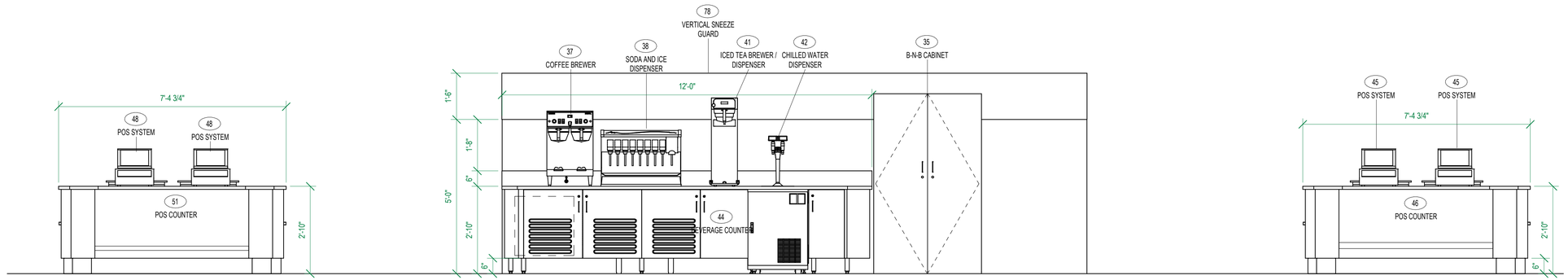
FOODSERVICE

FS806

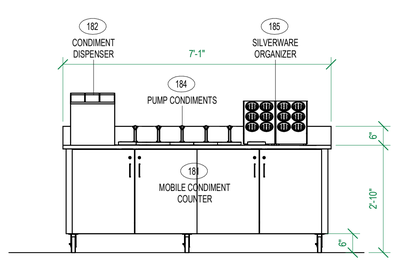
4/2/2024 2:50:21 PM



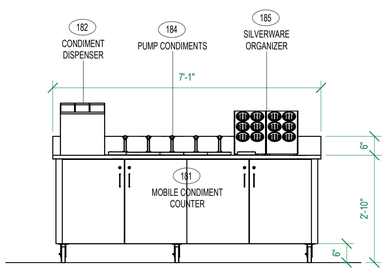
4 ELEVATION 27
1/2" = 1'-0"



3 ELEVATION 30
1/2" = 1'-0"



1 ELEVATION 31
1/2" = 1'-0"



2 ELEVATION 32
1/2" = 1'-0"

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DESIGNED BY: AK
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CHECKED BY: KK
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SIZE: ANSI D

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
4428 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
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ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

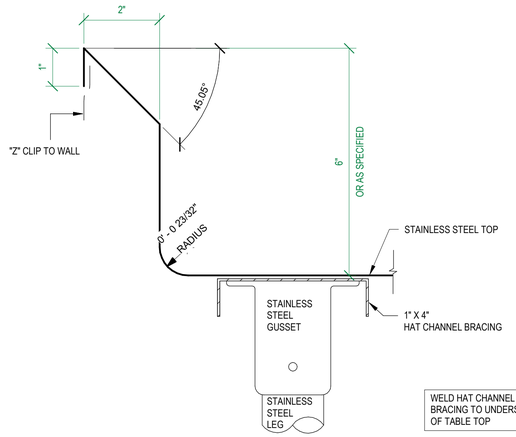
SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE FIXTURE AND EQUIPMENT ELEVATIONS

FOODSERVICE

FS807

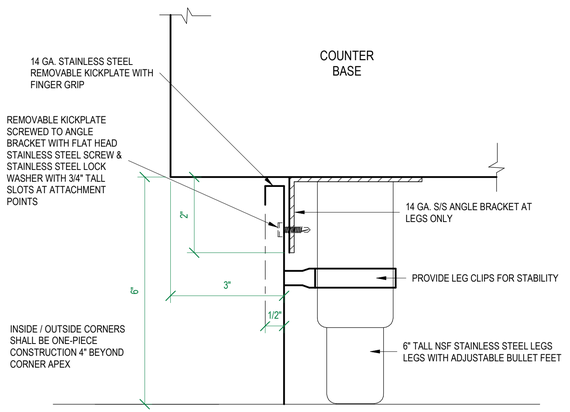
4/2/2024 2:50:22 PM



REFER TO WRITTEN SPECIFICATIONS AND FOODSERVICE PLANS FOR FURTHER INFORMATION

NSF FABRICATION MUST COMPLY WITH NSF STANDARDS

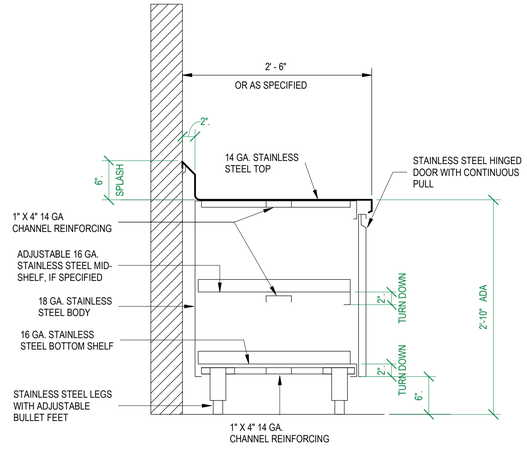
STANDARD BACK SPLASH @ BACK SERVICE COUNTER — FSD-1



REFER TO WRITTEN SPECIFICATIONS AND FOODSERVICE PLANS FOR FURTHER INFORMATION

NSF FABRICATION MUST COMPLY WITH NSF STANDARDS

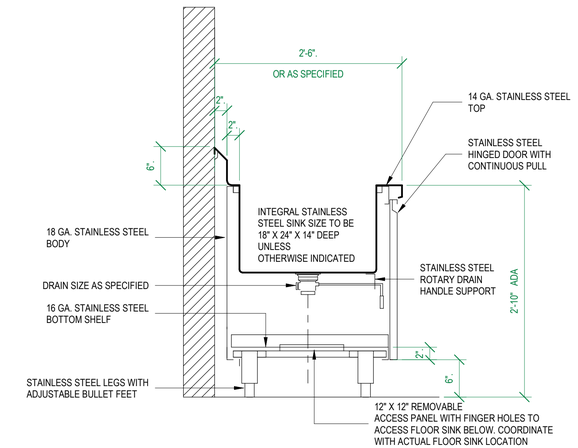
REMOVABLE KICK PLATE DETAIL — FSD-2



REFER TO WRITTEN SPECIFICATIONS AND FOODSERVICE PLANS FOR FURTHER INFORMATION

NSF FABRICATION MUST COMPLY WITH NSF STANDARDS

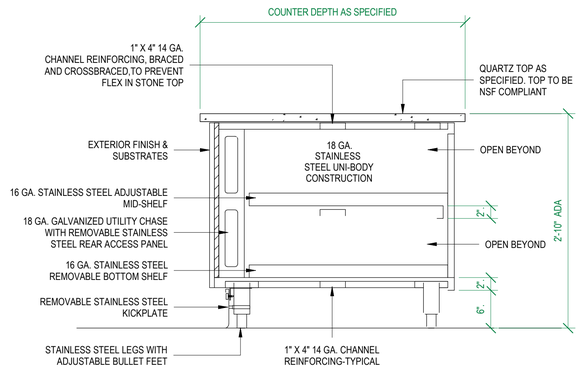
BACK SERVICE COUNTER DETAIL — FSD-3



REFER TO WRITTEN SPECIFICATIONS AND FOODSERVICE PLANS FOR FURTHER INFORMATION

NSF FABRICATION MUST COMPLY WITH NSF STANDARDS

BACK SERVICE COUNTER W/ SINK DETAIL — FSD-4



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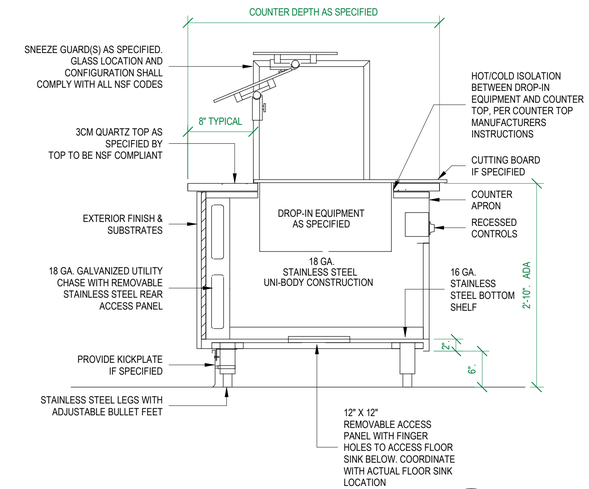
NSF FABRICATION MUST COMPLY WITH NSF STANDARDS

SERVING COUNTER @ OPEN BASE DETAIL — FSD-5



REFER TO WRITTEN SPECIFICATIONS AND FOODSERVICE PLANS FOR FURTHER INFORMATION

NSF FABRICATION MUST COMPLY WITH NSF STANDARDS

SERVING COUNTER @ OPEN BASE DETAIL — FSD-6

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

DESIGNED BY: AK
DRAWN BY: SR
CHECKED BY: KK
SUBMITTED BY: EE
SIZE: ANSI D

ISSUE DATE: 4/03/2024
PROJECT NO.: 2021-04777-00

U.S. AIR FORCE SERVICE CENTER
HQ AIRFORCE SERVICE CENTER
428 CHAPIN STREET
SHAW AFB, SC 29152

GILL MARKETING - DESIGN/BUILD
1904 W. PARKSIDE LANE, SUITE 100
PHOENIX, AZ 85027
ANDREW KEAGGY- 602.363.0282

Consultant of Record
Andrew Keaggy

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE STANDARD DETAILS

FOODSERVICE

FS900

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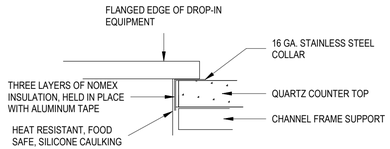
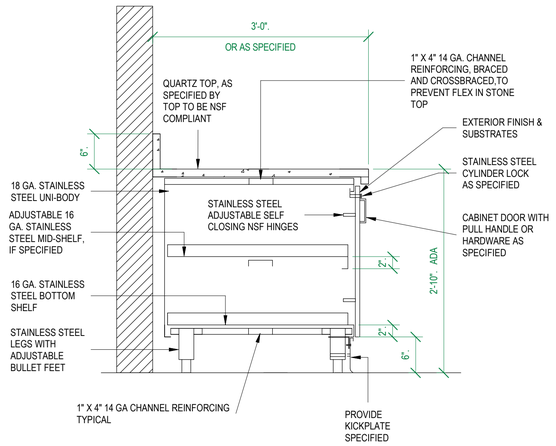


REFER TO WRITTEN SPECIFICATIONS AND FOODSERVICE PLANS FOR FURTHER INFORMATION

NSF FABRICATION MUST COMPLY WITH NSF STANDARDS

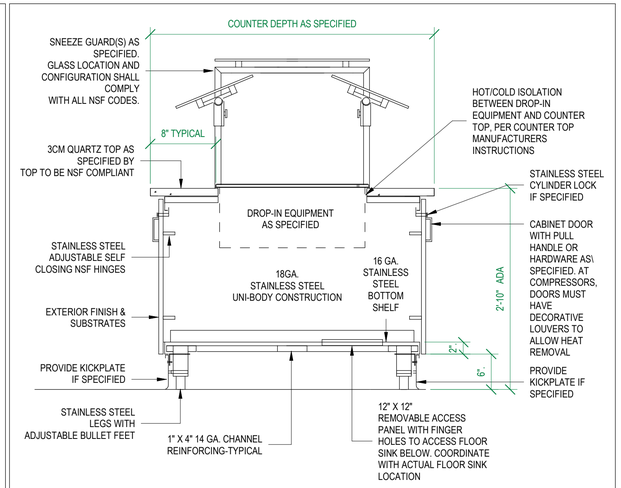
TYPICAL HOT / COLD ISOLATION DETAIL — FSD-7



REFER TO WRITTEN SPECIFICATIONS AND FOODSERVICE PLANS FOR FURTHER INFORMATION

NSF FABRICATION MUST COMPLY WITH NSF STANDARDS

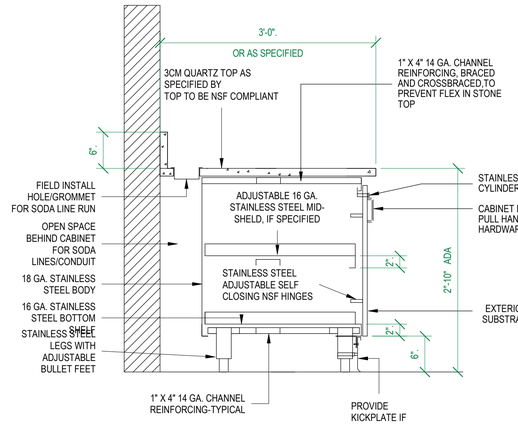
SERVING COUNTER @ WALL DETAIL — FSD-8



REFER TO WRITTEN SPECIFICATIONS AND FOODSERVICE PLANS FOR FURTHER INFORMATION

NSF FABRICATION MUST COMPLY WITH NSF STANDARDS

ISLAND SERVING COUNTER DETAIL — FSD-9

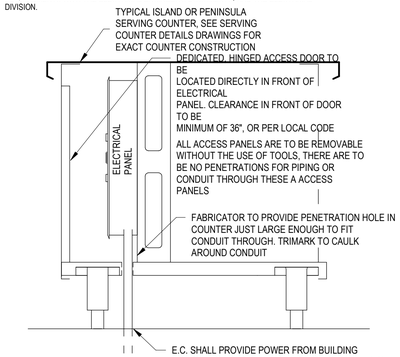


REFER TO WRITTEN SPECIFICATIONS AND FOODSERVICE PLANS FOR FURTHER INFORMATION

NSF FABRICATION MUST COMPLY WITH NSF STANDARDS

BEVERAGE COUNTER @ WALL DETAIL — FSD-10

COUNTER WILL BE PROVIDED BY TRIMARK COMPLETELY PRE-WIRED TO A BUILT-IN CIRCUIT BREAKER PANEL. THIS SHALL INCLUDE ALL OUTLETS, J-BOXES, CONDUIT, WIRING, ELECTRICAL COMPONENTS, AND ACCESSORIES ATTACHED TO, OR BUILT INTO THE COUNTER. ALL CONDUIT, WITH WIRING, SHALL BE CONCEALED FROM VIEW, AND INSTALLED IN A MANNER WHICH WILL NOT INTERFERE WITH THE INTENDED USE OF THE COUNTER. PANEL TO INCLUDE A MAIN BREAKER FOR SINGLE CIRCUIT SERVICE CONNECTION, AND INDIVIDUAL BREAKERS FOR ITEMS INCLUDED IN THE COUNTER. VERIFY AND COORDINATE PANEL SERVICE CIRCUIT SIZE, LOAD, PHASING, AND REQUIREMENTS WITH THE ELECTRICAL ENGINEER'S DOCUMENTS, AND THE ELECTRICAL DIVISION.



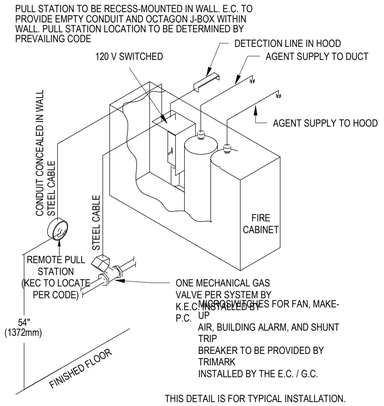
MEP 1-0

ELECTRICAL DETAIL FOR LOAD CENTER

SECTION VIEW

NSF FABRICATION MUST COMPLY WITH NSF STANDARDS

*NOT TO SCALE**



MEP 1-1

FIRE SUPRESSION SYSTEM

ISOMETRIC VIEW

*NOT TO SCALE**

MARK	DESCRIPTION	DATE
1	100% READY TO ADVERTISE (RTA) SUBMITTAL	4/03/2024

ISSUE DATE: 4/03/2024
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DESIGNED BY: AK
DRAWN BY: SR
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ANDREW KEAGGY- 602.383.0282

Consultant of Record
Andrew Keaggy

SHAW AFB, SOUTH CAROLINA
DINING FACILITY REFRESH

FOODSERVICE STANDARD DETAILS

FOODSERVICE

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