Santa Maria Public Airport District

US CUSTOMS UPGRADES: BUILDING & SITE CIVIL
3335 CORSAIR CIRCLE

Addendum No. 2

(February 16, 2024)

Contractors interested in bidding the work of this project are hereby notified of the following additions, deletions, changes, revisions, and/or modifications to the Plans and Specifications for this project.

Modifications to Plans:

2.01. Revised plan sheets have been included as an attachment to this Addendum.

Modifications to Contract Documents:

2.02. Specification section 095113 Acoustical Panel Ceilings is included as an attachment to this Addendum.

2.03. Specification section 095426 Suspended Wood Ceilings is included as an attachment to this Addendum.

2.04. Specification Section 093000 Tiling has been revised and is included as an attachment to this Addendum.

Answers to Contractor Questions:

2.05. Please provide specification section 095113 Acoustical Panel Ceilings.

Answer: Specification section added.

2.06. A3.0 Keynote 11, please provide specification section for wood ceiling panels (semi-concealed).

Answer: Specification section added.

2.07. Please provide hazardous materials reports for this project.

Answer: No reports are available. The building was built in 1990, so Hazardous Construction materials were not likely used.

2.08. Please provide photos of the search room as it was locked during the site visit.

Answer: Refer to Attachment B: Photos of Search Room. Photos provided show items mounted at ceiling that need to have tamper proof mounting hardware.

2.09. What is the DIR#?

Answer: The project DIR # will be assigned at the time of contract preparation. As a matter of clarity, bidding contractors are to include their DIR number on the appropriate blank on the first page of the bid package.

2.010. Can you confirm if door/frames in (E) STC 50 rated walls are to match rating? Only door 8 is called out for it on door schedule (BB03 type). Door 9 is also in rated wall.

Answer: Door 9 does not require STC rating.

2.011. Keynote #10 on A/2.0 states to provide level 3 ballistic rated walls at Salley port, Can you confirm these are not (E).

Answer: Walls at Sally Port are existing, non-ballistic rated, wood stud and gypsum board walls.

2.012. Can you confirm glass at door and windows for exterior entry doorway at Sally port do not require bullet resistant glass to match the interior walls, doors, and glass.

Answer: The glass at door and windows (storefront) in Sally Port do not require ballistic resistant glazing.

2.013. Is the (E) door 5 currently Lvl 3 ballistic rated?

Answer: The existing door 5 between Sally Port and Process and Waiting is not ballistic rated.

2.014. What detail are we to follow for framing the (N) soffit. I did not see any on the plans.

2.015. Can you confirm there are no federal jurisdiction requirements for the new fire alarm system.

Answer: Confirmed, Fire Detection and Alarm is a California Building Code / California Fire Code required system. No federal jurisdiction requires the fire alarm system and there are no federal jurisdictional requirements.

2.016. Are we to provide the access control hardware since it is considered work by owner or just hardware directly attached to door/frame? (keypads ETC).

Answer: Electronic access control system will be provided by others under separate contract to the Airport District (owner). All electronic components including card reader keypads will be provided by others. Hardware attached directly to door and frame is to be provided by this contract.

2.017. For the temp fencing detail F/7 it shows rebar anchoring down fence stands 18". Do we need to worry about any underground utilities in the area where the fence is getting installed at the apron? The same detail also (4) segments of chain at joining fence panels, the specs state "Each panel shall be banded a minimum of four times to each adjacent fence panel and to the existing fence at each end of this temporary fence installation. Banding shall be steel strapping, ¾" by 0.023", clamped together with 2-band each." Please advise which the airport is going to require.

Answer: No presence of any unidentified underground utilities within the top 18" of the surface along the temporary fence alignment. A minimum of 4 bands between each temporary fence panel and between each temporary fence end panel and adjoining permanent fence. Each band installed shall be clamped twice to prevent slip.

2.018. The specs are calling out for 6x6 quarry tile but note 1 from the elevations on A-7 says "replace (E) floor with 4x12 stencil white by Daltile. Note 2 on A-2 says "replace (E) 4x4 CT wainscot at wall with new ambassador global grey random linear wall tile by Daltile with 6x12 coved base. Can you please clarify what the required flooring and wall tile is to be, size/colors...

Answer: See revised Specification Section

2.019. Proposed Floor Plan sheet A2.0 General Notes #1 calls for all door locks to be "converted to LAX standards (Medeco)". We are not familiar with LAX Airport standard locksets. Please provide additional details or specification about the desired locksets. Refer to attached sheet for details.

Answer:
MEDECO Key system (ASSA Abloy)
3625 Alleghany Drive
Salem, VA 24153
1-877-633-3261

The rim housing number is 32-0475v-26

The sub assembly (core) is 32T0201-26

Given that this is a smaller project, USCBP works with LAWA Lock shop on obtaining the cores and key cut them as appropriate. USCBP can mail cores to your location + one extra core on-site replacement if needed for either SMX Lock Shop or local vendor to install if any existing installed core fails or is damaged. This alleviates SMX from having to purchase any MEDECO support items and key cutting machine. The MEDECO cut of the keys are cut on two different axis, unlike a common key. **The only caveat to this is the SMX project procures the same quantity of cores to replace LAWA's Lock Shop supply.**

Santa Maria Public Airport District

US CUSTOMS UPGRADES: BUILDING & SITE CIVIL
3335 CORSAIR CIRCLE

Addendum No. 2

(February 16, 2024)

No changes to bid date or time: **2:00 pm, February 21, 2024**

Bidding Contractors must acknowledge receipt of this Addendum in the appropriate blank on Page 17 of the contract book.

END OF ADDENDUM No. 2

/s/ Martin Pehl
General Manager

Attachments:

A. Revised Plan Sheets (14 pages).
B. Photos of Search Room (12 pages).
C. Revised Technical Specifications Part 3 with Updated Table of Contents (22 pages).

ATTACHMENT A
REVISED PLAN SHEETS

Sheet No.	Sheet Title	Revised
G1–0	TITLE SHEET	
G1–0	CODE ANALYSIS AND EXITING PLAN	
D2–0	EXISTING / DEMO FLOOR PLAN	X
D3–0	DEMO REFLECTED CEILING PLAN	X
A2–0	PROPOSED FLOOR PLAN / AV PLAN	X
A3–0	REFLECTED CEILING PLAN / CAMERA PLAN	X
A4–0	LIGHTING AND ELECTRICAL PLAN	X
A5–0	POWER DATA/COMM AND ELEC SECURITY PLAN	X
A6–0	CONTROL DIAGRAMS	
A7–0	ENLARGED RESTROOM PLAN AND DETAILS	X
A8–0	SIGNAGE PLAN	X
M1–0	MECHANICAL NOTES AND SCHEDULES	
M2–0	MECHANICAL FLOOR PLAN	X
M5–0	MECHANICAL DETAILS	
T24.1	TITLE 24	
T24.2	TITLE 24	
1	COVER	
2	IMPROVEMENT PLAN	X
3	DEMOLITION PLAN	X
4	GRADING PLAN	X
5	APRON MARKING PLAN	
6	DETAILS	
7	DETAILS	X

DEMOLITION NOTES

1. CONTRACTOR TO REVIEW EXISTING PLAN AND ALL NEW ARCHITECTURAL DRAWINGS BEFORE PROCEEDING WITH DEMOLITION.
2. CONTRACTOR TO READ DEMOLITION NOTES ON THIS PAGE BEFORE PROCEEDING WITH DEMOLITION.
3. CONTRACTOR TO CONDUCT PRE-DEMOLITION MEETING WITH OWNER AND ARCHITECT PRIOR TO START OF WORK.
4. CAREFULLY REMOVE ALL MATERIALS INDICATED ON THE DEMOLITION DRAWINGS AND REMOVE FROM SITE UNLESS DIRECTED OTHERWISE BY ARCHITECT. ALL EXISTING GAS, WATER, ELECTRICAL, TELEPHONE AND DRAINAGE LINES ARE TO BE LOCATED & CAPPED OFF / REMOVED AND / OR PROTECTED DURING DEMOLITION AND CONSTRUCTION FOR FUTURE USE AS REQUIRED. ALL CAPPED OFF PIPING SHALL BE CONCEALED WITHIN WALLS, AND PIPING SHALL NOT EXTEND BEYOND FACE OF WALL, UNLESS NOTED OTHERWISE. PLEASE COORDINATE WITH BOTH THE BUILDING OWNERS AND THE SUBCONTRACTOR FOR PLUMBING/HVAC/ELECTRICAL AS REQUIRED. NO POTENTIALLY DANGEROUS OR TEMPORARY/CODE NON-COMPLIANT SOLUTIONS TO CAPPING OFF EXISTING ELECTRICAL/PLUMBING/GAS/HVAC ELEMENTS WILL BE ACCEPTED.
5. DURING DEMOLITION SPECIAL CARE IS TO BE USED TO SAFEGUARD AGAINST DAMAGE TO THE EXISTING OR ADJACENT CONSTRUCTION WHICH IS NOT BE BE REMOVED FROM BUILDING.
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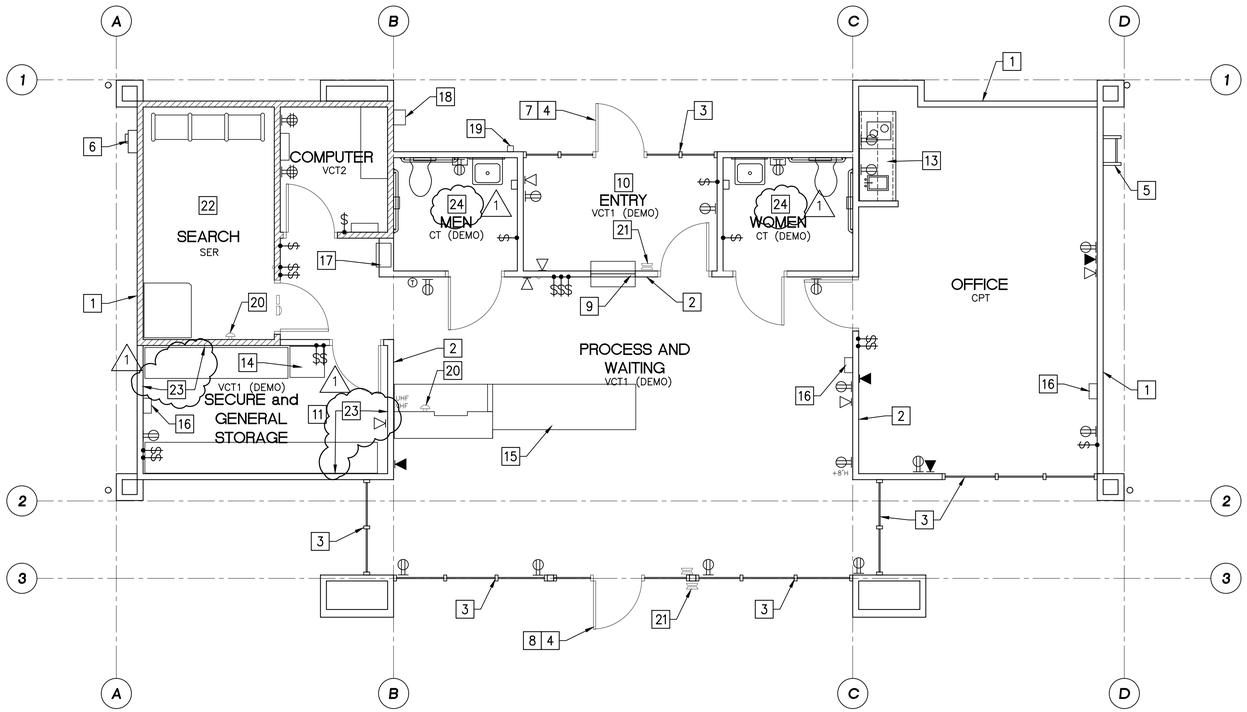
14. ALL EXTERIOR DOORS, WINDOWS, AND WALLS TO REMAIN.
15. SAFEGUARD ALL ONSITE UTILITIES, & IRRIGATION SYSTEMS FROM DAMAGE.



EXISTING / DEMO FLOOR PLAN

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

24
D2.0

KEYNOTES

1. EXISTING EXTERIOR WALLS TO REMAIN. PRESSURE WASH EXTERIOR AND PREPARE FOR NEW PAINT. COLORS TO BE SELECTED BY THE OWNER
2. EXISTING INTERIOR WALL TO REMAIN – CLEAN, PRIME AND PREPARE FOR NEW PAINT FINISH
3. EXISTING STOREFRONT WINDOW SYSTEM TO REMAIN. CLEAN GLAZING AND FRAMES
4. EXISTING STOREFRONT ENTRY DOOR TO REMAIN. CBP TO DIRECT LOCAL SERVICE PROVIDER TO MAKE LOCK CHANGES. CLEAN GLAZING AND FRAMES
5. EXISTING ROOF ACCESS LADDER
6. EXISTING UTILITY METER
7. EXISTING ENTRANCE FROM PUBLIC PARKING LOT
8. EXISTING ENTRANCE FROM FROM AIRFIELD
9. EXISTING ACCESS WINDOW FROM SALLYPORT
10. EXISTING SALLYPORT
11. EXISTING STORAGE ROOM – ALL EXISTING FILES, SHELVING AND FURNITURE TO BE REMOVED
12. EXISTING OFFICE AND CONFERENCE ROOM – ALL EXISTING FURNITURE AND EQUIPMENT TO BE REMOVED. STEAM CLEAN CARPET TILE AND CLEAN VINYL BASE. CLEAN AND PREP WALLS FOR NEW PAINT
13. EXISTING KITCHENETTE WITH SINK, STOVE, UNDER COUNTER REFRIGERATOR AND MICROWAVE.
14. EXISTING CLASS 5 SAFE TO BE RE-KEYED OR RE-COMBO
15. EXISTING PROCESSING COUNTER TO BE RECONFIGURED, REFER TO PROPOSED FLOOR PLAN SHEET A2-0
16. EXISTING FIRE EXTINGUISHER IN RECESSED CABINET. REMOVE CABINET AND RETAIN EXTINGUISHER FOR RE-INSTALLATION.
17. EXISTING WALL MOUNTED GUN LOCKER
18. EXISTING GAS METER LOCATION
19. EXISTING KEYLOCK BOX
20. EXISTING DURESS PUSH BUTTON TO REMAIN. CONTRACTOR TO DETERMINE FUNCTIONALITY AND REPLACE IF NEEDED.
21. EXISTING SCRAMBLE KEYPAD. CONTRACTOR TO DETERMINE FUNCTIONALITY AND REPLACE IF NEEDED
22. EXISTING SEARCH ROOM – ALL FILES TO BE REMOVED. BENCH AND TABLE TO REMAIN.
23. REMOVE ALL EXISTING WALL BOARD, SCAB TO FULL HEIGHT.
24. REMOVE ALL EXISTING WALL AND FLOOR FINISHES, FIXTURES AND ACCESSSORIES, PREPARE ALL SURFACES FOR IMPROVEMENT, PER SHEET A7-0.

GENERAL NOTES

1. ALL AREAS IN BUILDING SHALL BE DEEP CLEANED AND PREPARED FOR NEW PAINT, FLOORING IN AREAS NOTED ON SHEET A2-0 AND FURNITURE.
2. ALL ELECTRICAL SHOWN IN EXISTING TO REMAIN.
3. FURTHER INVESTIGATION WILL VERIFY ANY WATER INTRUSION AT THE ROOF/CEILING AND WALLS. ROOF, CEILING AND WALLS SHALL BE REPAIRED WHERE ANY WATER DAMAGE IS FOUND.

LEGEND

- EXISTING EXTERIOR OR INTERIOR STUD WALL TO REMAIN
- EXISTING WALL FROM FLOOR SLAB TO ROOF STRUCTURE 3-5/8" METAL STUDS WITH 5/8" GYPSUM WALLBOARD EACH SIDE W/ #9 (10GA.) EXPANDED METAL MESH AND SOUND INSULATION STC 50
- EXISTING STOREFRONT TO REMAIN
- EXISTING DOORS TO REMAIN
- EXISTING TELEVISION/CABLE OUTLET
- EXISTING DATA OUTLET
- EXISTING ELECTRICAL OUTLET – ARC-FAULT CIRCUIT INTERRUPTOR
- EXISTING LIGHT SWITCH

SER	SEAMLESS EPOXY RESIN FLOORING
VCT1	VINYL COMPOSITION TILE (RESILIENT TILE) W/4"H VINYL RUBBER BASE
VCT2	ANTI-STATIC VINYL COMPOSITION TILE (RESILIENT TILE) W/ 4"H VINYL RUBBER BASE
CPT	CARPET TILE WITH 4"H VINYL RUBBER BASE
CT	1"X1" CERAMIC TILE FINISH WITH 4"X4" COVED TILE BASE

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REVISIONS

1ST BUILDING DEPT. SUBMITTAL
DATE 10/20/2023

1 PRE-BID AMENDMENT
DATE 02/16/2023

SEAL

REGISTERED ARCHITECT
GREGORY ALLEN RAVATT
LIC. NO. C20808
EXP. 9-30-25
STATE OF CALIFORNIA

RA #877

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Santa Maria Airport
US Customs Building Remodel

3335 Corsair Circle
Santa Maria, CA 93455

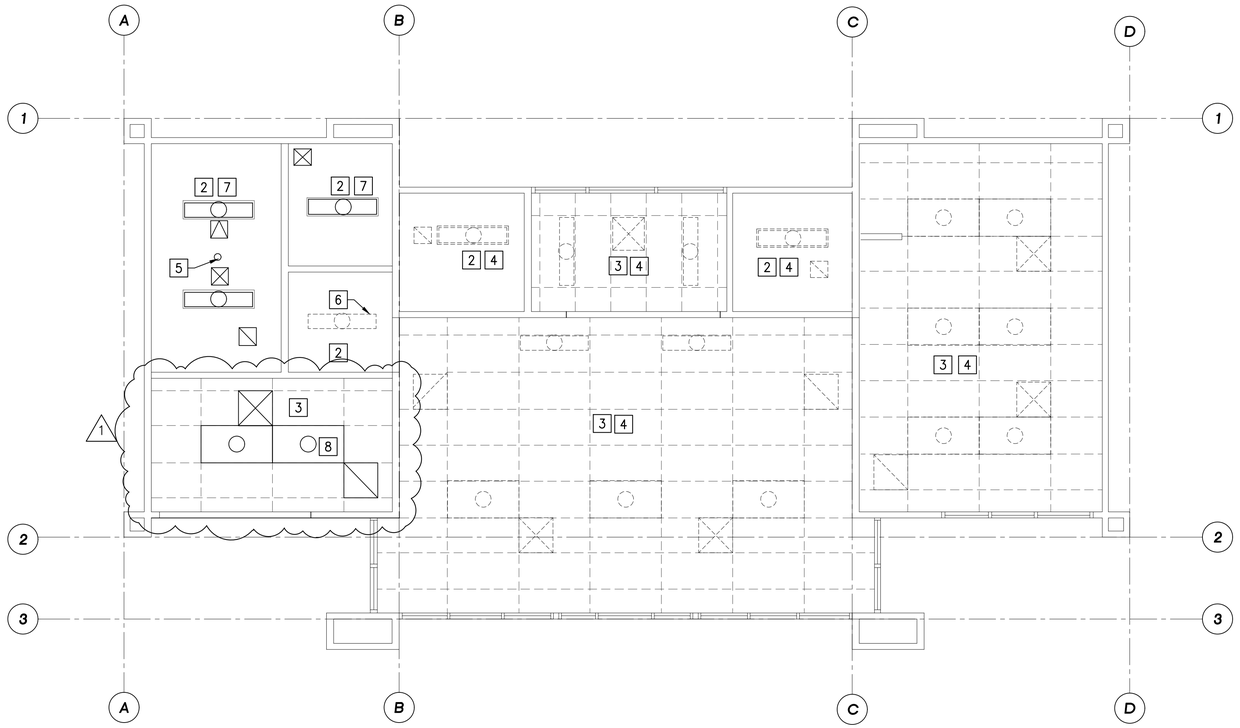
SHEET CONTENTS:

EXISTING / DEMO
FLOOR PLAN

DATE: 2/2/2024
PROJECT MANAGER: EJC
DRAWN BY: EJC

D2.0

SHEET 3 OF 23



DEMO REFLECTED CEILING PLAN

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

24
A3.0

KEYNOTES

1. EXISTING 2X4 CEILING GRID TO REMAIN. REPLACE ALL CEILING TILES WITH LIKE AND KIND
2. EXISTING GYPSUM WALL BOARD CEILING. CLEAN AND REPAIR ANY DAMAGED AREAS. REPAINT ALL GYPSUM BOARD CEILINGS THROUGHOUT
3. REPLACE EXISTING 2X4 CEILING GRID AND TILES, SEE SHEET A4-0
4. REPLACE EXISTING LIGHTING AND HVAC REGISTERS, SEE SHEET A4-0
5. REPLACE EXISTING CEILING MOUNTED MICROPHONE
6. REPLACE EXISTING 1X4 LIGHT FIXTURE, SEE SHEET A4-0
7. EXISTING LIGHTING AND HVAC REGISTERS TO REMAIN
8. REMOVE AND RETAIN EXISTING LIGHTING FIXTURES AND HVAC REGISTERS FOR RE-INSTALLATIONS.

GENERAL NOTES

1. ALL CEILING PANELS, LIGHTS, AND HVAC REGISTERS TO REMAIN EXCEPT WHERE NOTED. REPLACE ALL CEILING PANELS. REPLACE ANY DAMAGED LIGHTS OR HVAC REGISTERS.
2. ALL EXISTING CEILINGS ARE AT 9'-0" A.F.F. U.O.N.

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REVISIONS

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1	PRE-BID AMENDMENT DATE	02/16/2023

SEAL

REGISTERED ARCHITECT
GREGORY ALLEN RAVATT
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SHEET CONTENTS:

DEMO REFLECTED CEILING PLAN

DATE: 2/2/2024
PROJECT MANAGER: EJC
DRAWN BY: EJC

D3.0

SHEET 4 OF 23

DOOR SCHEDULE

ID		DOOR								FRAME		
#	RM	SIZE	THK	TYP	MATL	FIN	LOCK SET	HWD CYL	HWD	MATL	FIN	REMARKS
1	ENTRY	DOUBLE 3'-0"x7'-0"	MFG	GL01	AL	FM	H	A-1	2	HM	FM	ELECTRIFIED DOOR HANDLE, REX ENABLED, ACAMS, IDS PAD, AND DOOR PAGE. DOOR REMOTE ACCESS NEAR TRANSACTION WINDOW.
2	PROCESS /WAITING	3'-0"x7'-0"	MFG	GL01	AL	FM	H	A-1	5	HM	FM	ACAMS ON BOTH SIDES, DOOR REMOTE ACCESS FROM PROCESSING COUNTER
3	PUBLIC RESTROOM	3'-0"x7'-0"	1-3/4"	BB	HM	FM	B	A-3	1	HM	FM	ACCESSIBLE DOOR SIGNAGE "UNISEX" SEE DETAIL 23/A7-0
4	OFFICER RESTROOM	3'-0"x7'-0"	1-3/4"	BB	HM	FM	B	A-3	1	HM	FM	ACCESSIBLE DOOR SIGNAGE "UNISEX" SEE DETAIL 23/A7-0
5	ENTRY SALLYPORT	3'-0"x7'-0"	1-3/4"	BB01	SC	WV	H	A-1	5	HM	FM	REX ENABLED DOOR, ACAMS, DOOR REMOTE ACCESS, AND DOOR PAGE UL 752 LEVEL 3 BALLISTIC RATED DOOR
6	OFFICE	3'-0"x7'-0"	1-3/4"	BB01	SC	WV	N	A-1	3	HM	FM	
7	SECURE STORAGE	3'-0"x7'-0"	1-3/4"	BB01	SC	WV	G	A-2	6	HM	FM	REX, ACAMS AT ROOM DOOR. PROVIDE A MESH SECURITY DOOR W/ CYLINDRICAL LEVER LOCKSET, STOREROOM FUNCTION
8	SEARCH ROOM	3'-0"x7'-0"	1-3/4"	BB03	SC	WV	E	A-1	4	HM6	FM	ADD WINDOW W/ SLIDING COVER
9	IT ROOM	3'-0"x7'-0"	1-3/4"	FE01	SC	WV	N	A-2	7	HM	FM	REX, ACAMS
10	PROCESS COUNTER	3'-0"x3'-4"	1-3/4"	HH01	SC	WV	R	-	-	HM	FM	NEW HALF-HEIGHT DOOR

• CONTRACTOR TO VERIFY THAT EACH EXISTING DOOR COMPLIES WITH ALL REQUIREMENTS OF DOOR SCHEDULE OR REPLACE WITH NEW MATCHING DOOR WHERE REQUIRED TO MEET ELECTRIC LOCK REQUIREMENT. THE CONTRACTOR IS TO PROVIDE ALL HARDWARE, DEVICES, SYSTEMS, CABLING, ETC. LISTED IN THE DOOR SCHEDULE FOR EXISTING DOORS.

ABBREVIATIONS

AL	ALUMINUM
PM	PRIMED AND PAINTED METAL
FM	FACTORY PAINTED METAL
S	SOUND SEALS
AB	AUTO BOTTOM
CC	CONCELAED CLOSER
TG	TEMPERED GLASS
HM	HOLLOW METAL
HM6	14 GAUGE, FULLY WELDED MINIMUM SEAMLESS EDGE
SC	SOLID CORE WOOD
HDW	DOOR HARDWARE
EKD	ELECTRIC KEY PAD ENTRY DEVICE
MFG	PER MANUFACTURERS SPECS
PD	PANIC EXIT DEVICE
RB	REMOTE ENTRY SYSTEM
OAB	OVERRIDE ACCESS BUTTON
IC	INTERCOM DEVICE
GA	GALV ALUM
WV	WOOD VENEER

HARDWARE GROUPS

GROUP 1 (RESTROOMS)
- D DOOR STOP W/
- K AUTOMATIC DOOR CLOSER

GROUP 2 (PUBLIC ENTRY)
- E DOOR THRESHOLD
- K AUTOMATIC DOOR CLOSER
- X POWER TRANSFER HINGE

GROUP 3 (OFFICES)
- B AUTOMATIC DOOR BOTTOM
- D DOOR STOP
- E DOOR THRESHOLD
- K AUTOMATIC DOOR CLOSER

GROUP 4 (SEARCH/HOLD)
- B AUTOMATIC DOOR BOTTOM
- D DOOR STOP
- E DOOR THRESHOLD
- J NON-REMOVEABLE HINGES (OUTSWING) SPECIAL REQUIREMENTS: 180° OUTSWING DO NOT INSTALL A DOOR CLOSER. PROVIDE DEADBOLT LOCK W. LEVER HANDLE.

GROUP 5 (SECURE ENTRY)
- E DOOR THRESHOLD
- F ELECTRIC STRIKE
- K AUTOMATIC DOOR CLOSER
- X POWER TRANSFER HINGE

GROUP 6 (SECURE STORAGE)
- D DOOR STOP W/
- K AUTOMATIC DOOR CLOSER
- X POWER TRANSFER HINGE

GROUP 7 (IT ROOM)
- D DOOR STOP
- J NON-REMOVEABLE HINGES (OUTSWING)
- K AUTOMATIC DOOR CLOSER

LOCKSET GROUP

GROUP B
MORTISE LEVER LOCKSET WITH THUMB TURN ENTRANCE FUNCTION

GROUP E
HIGH SECURITY MORTISE INSTITUTIONAL DEADBOLT LEVER DOOR LOCK (DOUBLE CYLINDER)

GROUP G
FF-L-2890B RATED HIGH SECURITY ELECTRO MECHANICAL LOCK (X10 OR EQUIVALENT)

GROUP H
HIGH SECURITY EXIT DEVICE WITH DEADBOLT

GROUP N
ELECTRIFIED MORTISE LOCK WITH LEVER SET AND BUILT-IN REX FUNCTION AND KEY OVERRIDE

GROUP R
LEVER WITHOUT LOCK

HARDWARE CYLINDER

A-1 CYLINDER, KEYED UNDER A CBP MASTER

A-2 CYLINDER, KEYED INDIVIDUALLY UNDER A CBP MASTER

A-3 CYLINDER, KEYED UNDER A CBP MASTER LIKE TOILET AND PT ROOMS

DOOR TYPES

BB (E) HOLLOW METAL, FULL FLUSH, SEAMLESS, 36" X 7'-0"

BB01 (E) HOLLOW METAL, FULL FLUSH, SEAMLESS

BB03 (E) HOLLOW METAL, FULL FLUSH, SEAMLESS, ACOUSTIC-RATED

FE01 (E) SD-STD-01.01 REVISION G (AMENDED) (OPAQUE) 5 MIN. FE

GL01 (E) ALUMINUM STOREFRONT, FRAMED FULL HT, LOW-E INSULATED GLASS

HH01 (N) HALF-HEIGHT DOOR, MATCHING MILLWORK

LEGEND

EXISTING EXTERIOR OR INTERIOR STUD WALL TO REMAIN

EXISTING WALL FROM FLOOR SLAB TO ROOF STRUCTURE 3-5/8" METAL STUDS WITH 5/8" GYPSUM WALLBOARD EACH SIDE W/ #9 (10GA.) EXPANDED METAL MESH AND SOUND INSULATION STC 50. AT EXTERIOR WALLS GYPSUM WALL BOARD IS ON INTERIOR SIDE ONLY AT ENTRY WALLS/WINDOW SHALL BE LEVEL 3 3 BULLET RESISTANT UL LISTED

EXISTING STOREFRONT TO REMAIN, SEE KEYNOTE 3

EXISTING DOORS TO REMAIN

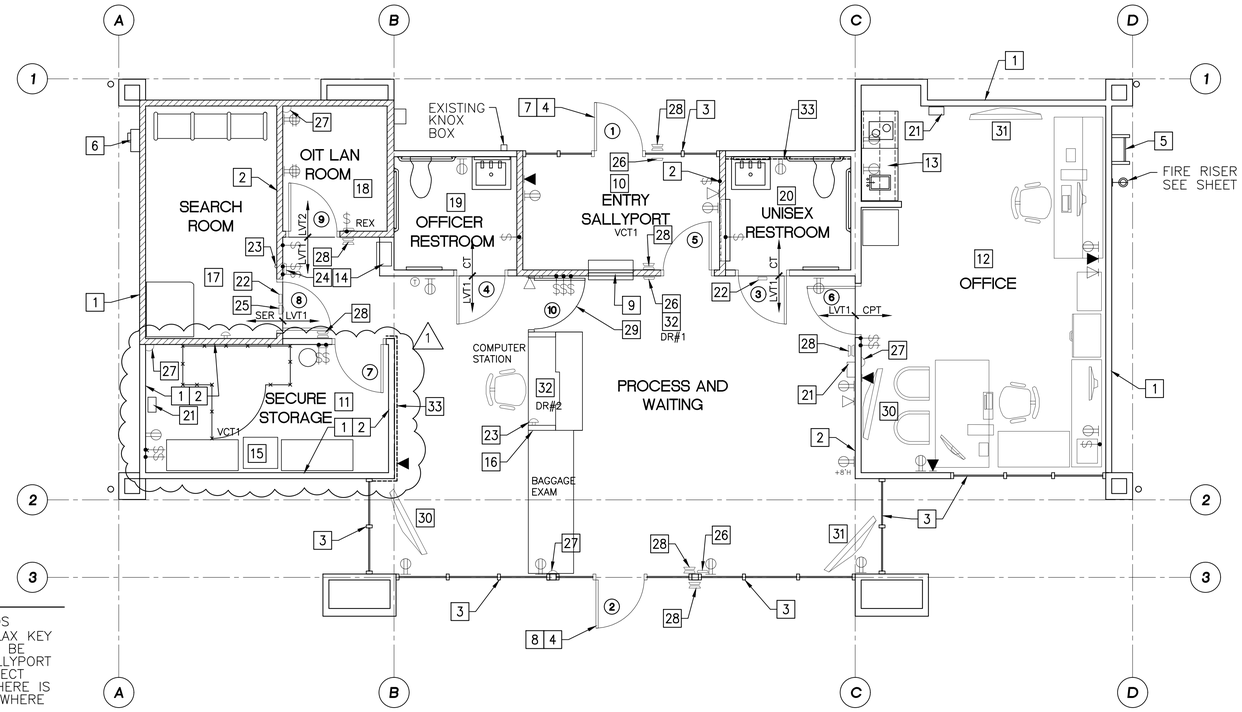
SER SEAMLESS EPOXY RESIN FLOORING W/ 8"H INTEGRAL BASE

LVT1 PALAZZO CHIARO (ST554) LUXURY VINYL TILE (LVT) W/4"H PARCHMENT VINYL RUBBER BASE BY ARMSTRONG FLOORING

LVT2 PALAZZO CHIARO (ST554) ANTI-STATIC LUXURY VINYL TILE W/ 4"H PARCHMENT VINYL RUBBER BASE BY ARMSTRONG FLOORING

CPT CARPET TILE W/4"H VINYL RUBBER BASE REPLACEMENT TO BE DETERMINED BY AIRPORT DISTRICT

CT 4"X12" STENCIL WHITE TILE FINISH WITH 6"X12" COVED TILE BASE, SEE ENLARGED RESTROOM PLAN ON SHEET A7-0



PROPOSED FLOOR PLAN

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

24 / A2.0

GENERAL NOTES

1. ALL DOOR LOCKS WILL BE CONVERTED TO LAX STANDARDS (MEDECO). A KEY SCHEME TO BE CREATED FROM THE LAX KEY GUIDELINES. ACAM ACCESS CONTROL AND MONITORING TO BE PROVIDED FROM 4 ACCESS LOCATIONS: FRONT DOOR, SALLYPORT DOOR, AIRFIELD DOOR AND IT ROOM DOOR. CBP TO DIRECT LOCAL SERVICE PROVIDER TO MAKE LOCK CHANGES. THERE IS AN EXISTING LOCK BOX AT THE FRONT OF THE FACILITY WHERE NEW KEYS WILL BE LOCATED FOR THE FIRE DEPARTMENT.
2. WORKSTATION OFFICE AND COUNTER SHALL INCLUDE IT EQUIPMENT PROVIDED BY CBP. A BACKUP LAPTOP TO BE PROVIDED.
3. SIGNAGE TO BE PROVIDED BEHIND COUNTER (IDENTITY SIGN), OUTSIDE, STATUORY SIGN, ROOM IDENTIFICATION SIGNAGE TO BE PROVIDED PER STANDARDS IN THE GAFDS HANDBOOK.
4. FURNITURE SHALL BE PROVIDED BY THE AIRPORT DISTRICT PER GAFDS REQUIREMENTS AND APPROVED BY THE CBP.
5. ALL EXTERIOR WALLS TO REMAIN. PREP AND PAINT ALL EXTERIOR WALLS, SINGLE COLOR SCHEME. COLOR TO BE SELECTED BY OWNER. (1)
6. ALL INTERIOR WALLS – PREPARE AND PAINT. PURE WHITE SW7005 BY SHERWIN WILLIAMS, UNLESS NOTED OTHERWISE

KEYNOTES

(1)
1. INSTALL NEW #9 (10 GA.)EXPANDED METAL MESH ON FACE OF ALL STUDS AND BOTTOM OF ALL ROOF RAFTERS. INSTALL MESH SHEETS ON WALL WITH LONG DIMENSION HORIZONTAL AND WITH LONG DIMENSION PERPENDICULAR TO RAFTERS. PROVIDE 4" WIDE, 20GA. GALVANIZED SHEET METAL STRIP OVER ALL SEAMS IN MESH. FASTEN WITH MIN. #10 X 1 1/2" LATHING SCREWS WITH 1 1/4" DIA. FENDER WASHERS, MIN. 16" O.C. BOTH WAYS.
2. INSTALL NEW 5/8" GYPSUM WALLBOARD OVER NEW METAL MESH, FULL HEIGHT ON WALLS AND ON BOTTOM OF RAFTERS. TAPE ALL JOINTS. FINISH WALLS TO MATCH SURFACES IN ADJOINING ROOMS TO 9'-0" ABOVE FLOOR. ALL MESH INSTALLATION TO BE INSPECTED AND APPROVED BY USCBP PRIOR TO WALL BOARD INSTALLATION.
3. EXISTING STOREFRONT WINDOW SYSTEM TO REMAIN. CONTRACTOR TO CONFIRM ALL STOREFRONT SYSTEM GLAZING HAS SHATTER RESISTANT FILM. IF IT IS DETERMINED THEY DO NOT, PROVIDE 3M SHATTER RESISTANCE FILM ON ALL GLAZING
4. EXISTING STOREFRONT ENTRY DOOR TO REMAIN. CBP TO DIRECT LOCAL SERVICE PROVIDER TO MAKE LOCK CHANGES. CONTRACTOR TO CONFIRM ALL STOREFRONT DOOR GLAZING HAS SHATTER RESISTANT FILM. IF IT IS DETERMINED THEY DO NOT, PROVIDE 3M SHATTER RESISTANCE FILM ON ALL GLAZING
5. EXISTING ROOF ACCESS LADDER
6. EXISTING POWER UTILITY METERS
7. EXISTING ENTRANCE FROM PUBLIC PARKING LOT. PROVIDE INTRUSION DETECTION DOOR POSITION SWITCH.
8. EXISTING ENTRANCE FROM FROM AIRFIELD. PROVIDE INTRUSION DETECTION DOOR POSITION SWITCH.
9. EXISTING BULLET RESISTANT (LEVEL 3) ACCESS/PUBLIC TRANSACTION WINDOW W/ SS SPEAKER PORT FROM SALLYPORT TO ACCOMMODATE PROCESSING COUNTER
10. SALLYPORT – PROVIDE EXIT BUTTON. SALLY PORT TO FUNCTION AS A "MAN-TRAP" WITH INTERCONNECTED LOCKS. PUSH TO GET IN FROM THE AIRPORT SIDE ONLY. PROVIDE ACAM ACCESS CONTROL AND MONITORING (LOCK OUT SEPARATE). PROVIDE UL 752 LEVEL 3 BALLISTIC RATED WALLS

(1)
11. SECURE STORAGE ROOM – THIS ROOM SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE CURRENT CBP SPPH STANDARDS RELATING TO THE CONSTRUCTION OF A STRONG ROOM. PROVIDE SECURITY 9 GAUGE STEEL MESH CAGE 6' X 2' X 8' HIGH WITH LOCKABLE, 4' WIDE GATE AND 9 GAUGE MESH CEILING. OWNER TO PROVIDE ADJUSTABLE OPEN METAL STORAGE SHELVING 18" DEEP. A CCTV CAMERA WILL BE LOCATED INSIDE ROOM TO MONITOR CAGED AREA. PROVIDE PORTABLE EMERGENCY EYE WASH. PROVIDE SECURED TRASH AREA FOR REGULATED WASTE (55 GALLON ORANGE TRASH CAN)
12. OFFICE AND CONFERENCE ROOM – AIRPORT DISTRICT TO PROVIDE AVIATION RADIO (BASE STATION TYP IF AVAILABLE), OFFICE PHONE (VOIP TO BE PROVIDED BY THE DISTRICT),
13. EXISTING KITCHENETTE WITH SINK, STOVE, UNDER COUNTER REFRIGERATOR AND MICROWAVE
14. EXISTING GUN LOCKER TO BE RE-KEYED/RE-COMBO

(1)
15. CLASS 5 SAFE TO BE RELOCATED, RE-KEYED OR RE-COMBO.
16. RECONFIGURED PROCESSING COUNTER – RELOCATED BAGGAGE EXAM TABLE AND CBP PODIUM WORKSTATION. PROVIDE NEW MILLWORK AND FINISH WHERE UNFINISHED SURFACES ARE EXPOSED DUE TO RECONFIGURATION. COLOR TO MATCH EXISTING. PROVIDE INTEGRITY CAMERA WITH MICROPHONE. GENERAL SURVEILLANCE CCTV CAMERAS SHOULD BE PLACED TO INSURE NO BLIND SPOTS. FIXED CAMERAS SHALL BE DIRECTED AT ALL PERIMETER DOORS. HEAVY DUTY OFFICER CHAIR/STOOL W/ ADJUSTABLE ARMS TO ACCOMMODATE GUN TO BE PROVIDED BY AIRPORT DISTRICT
17. SEARCH ROOM – ADD WINDOW W/ SLIDING COVER TO THE DOOR, DURESS ALARM W/ AUDIO VISUAL KEYED RESET SWITCH ON THE OUTSIDE OF THE DOOR LATCH SIDE. PROVIDE TAMPER RESISTANT SCREWS AT CEILING. PROVIDE BOLTED DOWN STAINLESS STEEL TABLE AND BENCH (BOLTS TO BE TAMPER RESISTANT) PER GAFDS REQUIREMENTS
18. IT ROOM (COMPUTER) – PROVIDE NEW PAINT AT ALL SURFACES EXCEPT AT FIRE RATED LABELS, PATCH (E) GYP. BOARD, AND REPLACE EXISTING PLYWOOD WITH FIRE RESISTANT PLYWOOD. STAND-ALONE AIR CONDITIONING, ACCESS CONTROL AND MONITORING. PROVIDE NEW RACK FOR EQUIPMENT AND NEW CABLING PER GAFDS. 90 DAY CCTV DVR.
19. OFFICER/STAFF UNISEX RESTROOM – PROVIDE NEW FINISHES, FIXTURES AND ACCESSORIES. HEIGHTS SHALL BE PER CURRENT ABAAS STANDARDS. PROVIDE NEW DOOR SIGNAGE. NEW FIXTURES AND FINISHES TO BE APPROVED BY THE AIRPORT DISTRICT. SEE ENLARGED RESTROOM PLAN AND DETAILS ON SHEET A7-0
20. PUBLIC UNISEX RESTROOM – PROVIDE NEW FINISHES, FIXTURES AND ACCESSORIES. HEIGHTS SHALL BE PER CURRENT ABAAS STANDARDS. PROVIDE NEW BABY CHANGING STATION AND DOOR SIGNAGE. NEW FIXTURES AND FINISHES TO BE APPROVED BY THE AIRPORT DISTRICT. SEE ENLARGED RESTROOM PLAN AND DETAILS ON SHEET A7-0

(1)
21. EXISTING RELOCATED FIRE EXTINGUISHER LOCATION. PROVIDE NEW SURFACE MOUNTED FIRE EXTINGUISHER CABINET.
22. PROVIDE OCCUPANCY INDICATOR OVER DOOR
23. PROVIDE DURESS PUSH BUTTON (UNDERSIDE OF DESK @ COMPUTER STATION)
24. PROVIDE DURESS ARM/DISARM/SILENCE KEY SWITCH
25. AUDIBLE/VISUAL DURESS ALARM INDICATOR ABOVE DOOR
26. IDS KEYPAD
27. IDS SENSOR
28. ACCESS CONTROL/CARD READER (ACAMS)
29. NEW PROCESSING COUNTER HALF HEIGHT DOOR – MILLWORK AND FINISH TO MATCH PROCESSING COUNTER. PROVIDE LATCH
30. CCTV VIEWING STATION AND ARCHIVING
31. LOCATION OF PROPOSED TV. PROVIDE ELECT./DATA OUTLETS
32. DOOR REMOTE ACCESS (PROVIDE DOOR PAGE AT SALLYPORT)
33. ACCENT PAINTED WALL-NAVAL SW6244 BY SHERWIN WILLIAMS

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REVISIONS

1ST BUILDING DEPT. SUBMITTAL DATE	10/20/2023
1 PRE-BID AMENDMENT DATE	02/16/2023

SEAL

REGISTERED ARCHITECT
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EXP. 9-30-25
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SHEET CONTENTS:

PROPOSED
FLOOR PLAN

DATE: 2/2/2024
PROJECT MANAGER: EJC
DRAWN BY: EJC

A2.0

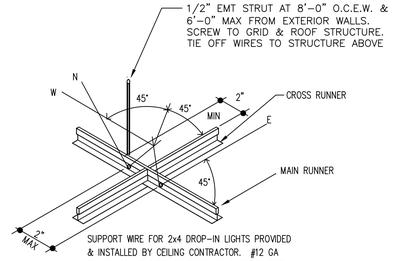
SHEET 5 OF 23

A. GENERAL:
REQUIREMENTS FOR DESIGN AND INSTALLATION OF SUSPENDED ACOUSTICAL CEILING SYSTEMS IN SEISMIC DESIGN CATEGORIES D SHALL BE PER 2019 CBC, ASTM C635, ASTM C636, AND ASTM E580

B. CEILING NOTES:
THE FOLLOWING NOTES SHALL APPLY FOR CEILING SYSTEMS WHOSE TOTAL WEIGHT INCLUDING AIR CONDITIONING GRILLES AND LIGHT FIXTURES DOES NOT EXCEED FOUR (4) PSF. HEAVIER SYSTEMS AND THOSE SUPPORTING LATERAL LOADS FROM PARTITIONS WILL REQUIRE SPECIAL DESIGN DETAILS.

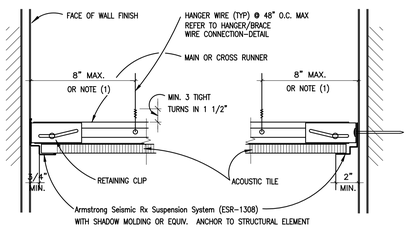
1. 12, GA. (MIN.) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4' –0" X 4' –0" GRID SPACING ALONG MAIN RUNNERS. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY CODE AUTHORITY.
2. PROVIDE 12 GA. HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN 8" FROM THE SUPPORT OR WITHIN 25/64 OF THE LENGTH OF THE END TEE, WHICHEVER IS LEAST, FOR THE PERIMETER OF THE CEILING AREA. END CONNECTIONS FOR RUNNERS WHICH ARE DESIGNED AND DETAILED TO RESIST THE APPLIED HORIZONTAL FORCES MAY BE USED IN LIEU OF THE 12 GA. HANGER WIRES SUBJECT TO CODE AUTHORITY REVIEW AND APPROVAL.
3. PROVIDE TRAPEZE OF OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTER SLOPING WIRES.
4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALL. CEILING GRID MEMBERS SHOULD BE AT LEAST 23/64 INCH FREE OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE AND A MINIMUM OF 23/64 INCH CLEAR OF WALL.
5. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16GA. WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNER MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
6. PROVIDE SETS OF FOUR 12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
   - (A) PLACE SETS OF BRACING WIRES NOT MORE THAN 8 FEET BY 12 FEET ON CENTER.
   - (B) PROVIDE BRACING WIRES AT LOCATIONS NOT MORE THAN 23/64 THE SPACINGS GIVEN IN (A) ABOVE FROM EACH PERIMETER WALL AND AT THE EDGE OF VERTICAL CALLING OFFSETS.
   - THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT TO BE PERMITTED WITHOUT SPECIAL APPROVAL OF CODE AUTHORITY.
7. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN BRACING WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 23/64 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
8. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC., IT IS ACCEPTABLE TO ATTACH LIGHWEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO CODE AUTHORITY.
9. WHEN DRILLED–IN CONCRETE ANCHORS OR SHOT–IN ANCHORS ARE USED IN REINFORCED CONCRETE FOR HANGER WIRES, 1 OUT OF 10 MUST BE FIELD TESTED FOR 200 POUNDS OF TENSION. WHEN DRILLED–IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 MUST BE FIELD TESTED FOR 440 POUNDS IN TENSION. SHOT–IN OR DRILLED–IN ANCHOR FAILS, ALL ADJACENT ANCHORS MUST BE TESTED.
10. ATTACH ALL LIGHT FIXTURES TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.
11. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF TWO 12 GA. SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE. ALL 4 FT. X 4 FT. LIGHT FIXTURES MUST HAVE SLACK SAFETY WIRES AT EACH CORNER.
    - ALL FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING 56 POUNDS OR MORE MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN 4 TAUT 12 GA. WIRES EACH ATTACHED TO THE FIXTURE AND TO THE STRUCTURE ABOVE REGARDLESS OF THE TYPE OF CEILING GRID SYSTEM USED.
    - THE 4 TAUT 12 GA. WIRES INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE MUST BE CAPABLE OF SUPPORTING 4 TIMES THE WEIGHT OF THE UNIT.
12. ALL FIXTURES AND AIR TERMINALS OR SERVICES SUPPORTED ON INTERMEDIATE DUTY GRID SYSTEMS MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN 4 TAUT 12 GA. WIRES EACH ATTACHED TO THE FIXTURE OR TERMINAL AND TO THE STRUCTURE ABOVE.
13. SUPPORT SURFACE MOUNTED LIGHT FIXTURES BY AT LEAST TWO POSITIVE DEVICES WHICH SURROUND THE CEILING RUNNER AND WHICH ARE EACH SUPPORTED FROM THE STRUCTURE ABOVE BY A 12 GA. WIRE. SPRING CLIPS OR CLAMPS THAT CONNECT ONLY TO THE RUNNER ARE NOT ACCEPTABLE.
14. SUPPORT PENDANT MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER AND CAPABLE OF SUPPORTING 4 TIMES THE WEIGHT OF THE FIXTURE. SPECIAL DETAILS ARE NECESSARY FOR THIS CONDITION AT THE CEILING GRID.
15. CLASSIFICATION OF CEILING GRID:
    - CLASSIFICATION OF CEILING GRID IS HEAVY DUTY.
    - MANUFACTURER'S CATALOG NUMBER – MAIN RUNNER CHICAGO MET. #1870
    - MANUFACTURER'S CATALOG NUMBER – CROSS RUNNER CHICAGO MET. #1804–S–02.
    - MANUFACTURER'S CATALOG NUMBER – RUNNER SPLICE CHICAGO MET. #650–02.
    - NOTE: OTHER GRID MFGS. MUST MEET OR EXCEED SPECIFIED STANDARDS AND BE APPROVED BY CODE AUTHORITY AND ARCHITECT FOR COMPLIANCE WITH PART 2, TITLE 24, C.C.R.

CEILING NOTES
54 / A3.0



NOTE:
INSTALL CEILING PER TITLE 24, 2019 CBC SECTION 808, ASCE 7–10, ASTM C 635 AND ASTM C 636.

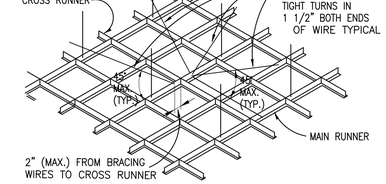
COMPRESSION FASTENING
SCALE: NONE
43



NOTES:
(1) 1/4 OF THE LENGTH OF THE END RUNNER WHICHEVER IS LESS.
(2) FOR HANGER WIRE ATTACHMENT SEE DETAIL 42/A2–1 AND 43/A2–1
(3) FOR BRACING SEE DETAIL 41/A2–1

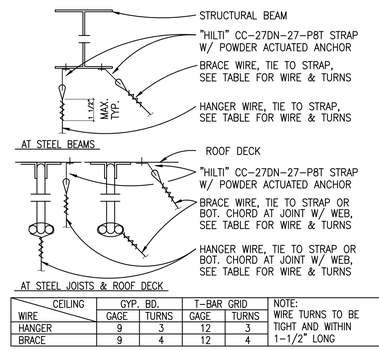
NOTE:
INSTALL CEILING PER TITLE 24 AND ASCE 7–5
COMPLY WITH SECTION 808.1 AND ASCE SECTION 13.5.6

T-BAR CEILING EDGE
SCALE: NONE
44



NOTE:
PROVIDE BRACING @ 12' O.C. MAX. EA. WAY & 6' FROM WALL.
INSTALL CEILING PER TITLE 24, 2019 CBC SECTION 808, ASCE 7–10, ASTM C635, ASTM C 636. AND ASTM E580

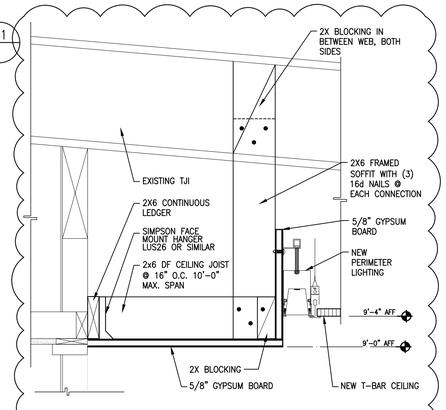
T-BAR CEILING
SCALE: NONE
41



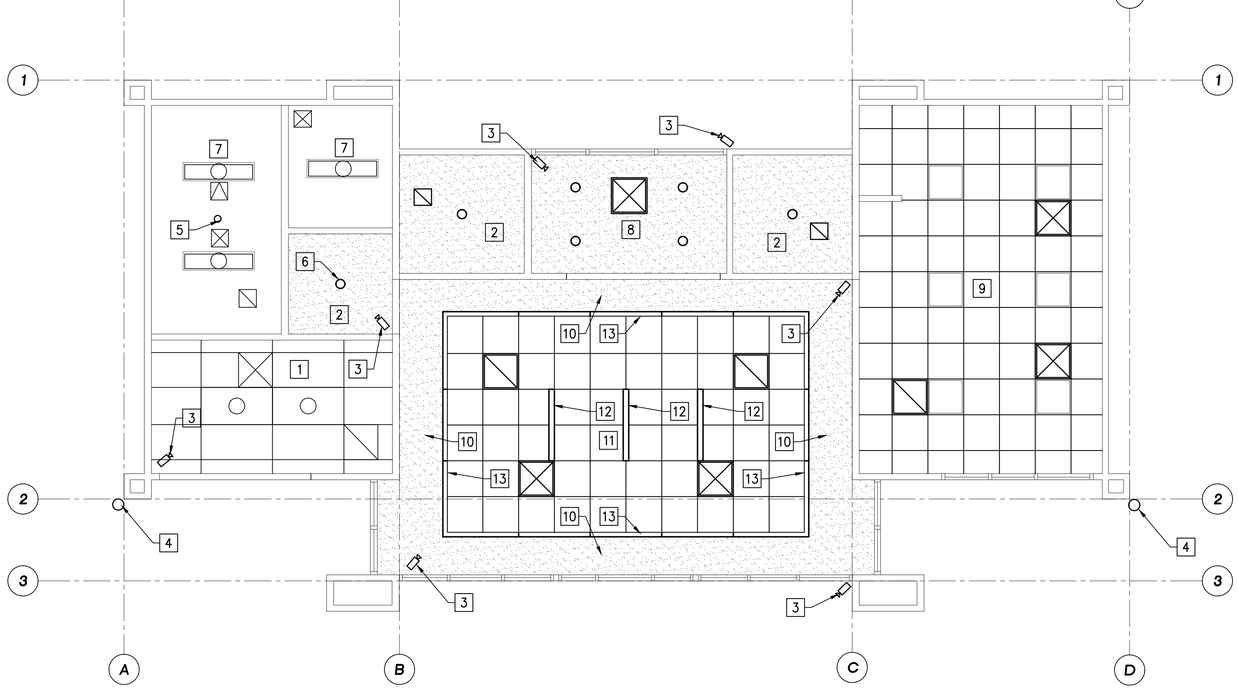
CEILING / WIRE	GYP. BD. GAGE	GYP. BD. TURNS	T–BAR GRID GAGE	T–BAR GRID TURNS
HANGER	9	3	12	3
BRACE	9	4	12	4

NOTE: WIRE TURNS TO BE TIGHT AND WITHIN 1–1/2" LONG

HANGER / BRACE WIRE WIRE CONNECTION
SCALE: NONE
42



GYPSUM BOARD SOFFIT DETAIL
SCALE: NONE
22



PROPOSED REFLECTED CEILING PLAN
SCALE: 1/4" = 1'–0"
24 / A3.0

KEYNOTES

1. NEW 2X4 SUSPENDED CEILING GRID SYSTEM (1)
2. EXISTING GYPSUM WALL BOARD CEILING. CLEAN AND REPAIR ANY DAMAGED AREAS. REPAINT ALL GYPSUM BOARD CEILINGS PURE WHITE SW7005 BY SHERWIN WILLIAMS
3. PROPOSED CCTV CAMERA LOCATION, TYPICAL OF 5.
4. PROPOSED PTZ CAMERA, TYPICAL OF 2
5. CEILING MOUNTED MICROPHONE ONLY
6. REPLACE EXISTING 1X4 LIGHT FIXTURE WITH LED CAN LIGHT
7. PROVIDE NEW PAINT @ (E) 5/8" GYPSUM BOARD 2X PANELS W/ #9 (10GA.) EXPANDED METAL MESH
8. NEW 5/8" GYPSUM BOARD CEILING O/ CEILING FRAMING. PAINTED PURE WHITE SW7005 BY SHERWIN WILLIAMS. SEE DETAIL 22 THIS SHEET
9. NEW 2X2 SUSPENDED CEILING SYSTEM WITH NEW LED 2X2 LIGHT FIXTURES. PROVIDE NEW HVAC SUPPLY AND RETURN REGISTERS. SEE DETAILS 41, 42, 43, AND 44 THIS SHEET
10. NEW GYPSUM BOARD SOFFIT AT PERIMETER OF PROCESSING/WAITING ROOM AT 9'–0" A.F.F.
11. NEW 2X2 SUSPENDED CEILING GRID SYSTEM WITH CERTAINTEED WOOD CEILING PANELS (SEMI–CONCEALED) FINISH TO MATCH EXISTING WOOD FINISH ON EXISTING DOORS. CEILING TO BE 9'–4"H A.F.F. SEE DETAILS 41, 42, 43, AND 44 INSTALL PER MANUFACTURER
12. 4' RECESSED LINEAR LED LIGHT FIXTURE. INSTALL PER MANUFACTURER
13. 3" WIDE BIONIC PRO3 PERIMETER LIGHTING BY PRUDENTIAL OR SIMILAR AT 9'–4"H A.F.F. INSTALL PER MANUFACTURER

GENERAL NOTES

1. ALL CEILING PANELS, LIGHTS, AND HVAC REGISTERS TO REMAIN. REPLACE ALL CEILING PANELS. REPLACE ANY DAMAGED LIGHTS OR HVAC REGISTERS.
2. ALL EXISTING CEILINGS ARE AT 9'–0" A.F.F. U.O.N.
3. A NEW CAMERA SYSTEM – 93 DEGREE OR CURRENT GENERATION CAMERA, 1080P MINIMUM, 15FPS OR HIGHER WITH 24/7 RECORDING, 90–DAY RETENTION, SONY 93 DEGREE FAN VIEW. STORAGE COULD BE A "CLOUD" PROVIDING REMOTE ACCESS TO DATA. THE DISTRICT DOES NOT HAVE ACCESS TO STORAGE/DATA. CAMERA DISPLAYS IN THE OFFICE AND AT THE COUNTER FACING THE OFFICER. THIS CAN BE ALL IN ONE MONITOR WITH TOGGLE ABILITY BETWEEN CAMERAS OR DISPLAY AT THE SAME TIME. 8 TOTAL CAMERAS TO BE PROVIDED: 2 PTZ CAMERAS IN AIRFIELD, 5 FIXED CAMERAS INSIDE AND ONE FIXED AT THE FRONT DOOR.
4. WIFI SHALL BE PROVIDED BY THE AIRPORT DISTRICT PER GAFDS HANDBOOK.
5. DEDICATED PARKING PLACES AT THE FRONT OF THE FACILITY AND 1 AIRFIELD DESIGNATED SPACE TO BE PROVIDED IN CAMERA VIEW.
6. INTRUSION DETECTION SYSTEM (IDS) TO BE PROVIDED FOR THE BUILDING PER 21.4.3 IN GENERAL AVIATION DESIGN GUIDE. AIRPORT DOES NOT HAVE AN ON PREMISE MONITORING STATION. SMITH ALARM – LOCAL SERVICE PROVIDER WITH 24–HOUR MONITORING CAPABILITY IS ACCEPTABLE. EXTERIOR DOORS AND IT ROOM SHALL BE PROVIDED WITH ITS OWN DETECTOR.
7. FACILITY REQUIRES RELIABLE ALTERNATE ENERGY SOURCE. EMERGENCY BACK UP POWER IS PROPOSED TO BE PROVIDED BY A UNINTERRUPTIBLE POWER SUPPLY (UPS) RATHER THAN A GENERATOR PER GAFDS SECTION 19.3.
8. PREP AND PAINT ALL GYPSUM BOARD CEILING THROUGHOUT. PURE WHITE (1)

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REVISIONS

	1ST BUILDING DEPT. SUBMITTAL DATE	10/20/2023
1	PRE-BID AMENDMENT DATE	02/16/2023

SEAL

REGISTERED ARCHITECT GREGORY ALLEN RAVATT LIC. NO. C20808 EXP. 9–30–25 STATE OF CALIFORNIA

RA #877

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US Customs Building Remodel

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SHEET CONTENTS:

PROPOSED REFLECTED CEILING PLAN

DATE: 2/2/2024
PROJECT MANAGER: EJC
DRAWN BY: EJC

A3.0

SHEET 6 OF 23

GENERAL NOTES

1. METHODS AND MATERIALS SHALL COMPLY WITH THE 2022 CALIFORNIA ELECTRICAL CODE (CEC), 2022 CALIFORNIA BUILDING CODE (CBC), 2022 CALIFORNIA ENERGY CODE (CEnC), AND LOCAL MUNICIPAL CODES EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE SPECIFIED OR INDICATED ON THE DRAWINGS.
2. EQUIPMENT SHALL BE IN ACCORDANCE WITH STANDARDS OF THE NATIONAL MANUFACTURER'S ASSOCIATION (NEMA) AND THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI). UNLESS INDICATED TO BE RE-USED, EQUIPMENT SHALL BE NEW AND LISTED BY THE UNDERWRITERS LABORATORIES (UL) AND INSTALLED IN ACCORDANCE WITH THE CONDITIONS STATED IN THAT LISTING.
3. BEND RADIUS OF CONDUIT LESS THAN 2" = 6 TIMES INTERNAL CONDUIT DIAMETER, GREATER THAN 2"= 10 TIMES INTERNAL CONDUIT DIAMETER.
4. ANY RUN WITH MORE THAN 3 90° BENDS REQUIRES A PULL BOX PER 3 BENDS.
5. CONDUIT/PATHWAY ROUTING INDICATED ON DRAWINGS IS FOR GENERAL REFERENCE ONLY. CONTRACTOR SHALL FIELD COORDINATE AND VERIFY EXACT ROUTING AS REQUIRED. ROUTING SHALL BE CONCEALED WITHIN WALLS, FLOORS, AND CEILINGS UON.
6. A SEPARATE EQUIPMENT GROUNDING CONDUCTOR CONFORMING TO CEC-250-118 (1) SHALL BE PROVIDED WITH POWER BRANCH CIRCUITS. EQUIPMENT GROUNDING CONDUCTORS FOR LIGHTING BRANCH CIRCUITS SHALL CONFORM TO ONE OR MORE OF THE METHODS SPECIFIED IN CEC 250-118 (1) THROUGH (8).
7. POWER RECEPTACLES SHALL BE PROVIDED WITH PANEL AND CIRCUIT IDENTIFICATION BY MEANS OF STICK-ON EMPRESSED TAPE STRIPS.
8. UNLESS OTHERWISE INDICATED, CONDUCTORS SHALL BE COPPER, MINIMUM SIZE #12 AWG EXCEPT CONTROL WIRING MAY BE #16AWG. INSULATION SHALL BE 90°C RATED, THWN-2, OR XHHW. CONDUIT SHALL BE EMT 3/4 INCH MINIMUM UON.
9. MANUFACTURER TRADE NAMES AND CATALOG NUMBERS ARE SELECTED TO COMPLY WITH CEnC CONTROL REQUIREMENTS, AS WELL AS DEFINING PHYSICAL CHARACTERISTICS, OPERATIONAL CHARACTERISTICS, QUALITY, AND GENERAL APPEARANCE. SUBSTITUTIONS WITH CHARACTERISTICS EQUAL TO THE UNIT DESCRIBED MAY BE ACCEPTABLE, SUBJECT TO APPROVAL BY THE ARCHITECT.
10. ALL PANELBOARDS SHALL BE MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS, PER CEC 110.16 & ANSI Z535.4.1998.
11. CONDUIT AND CONDUCTOR SIZES LISTED ARE MINIMUM SIZES. LARGER SIZES MAY BE PROVIDED.
12. GROUNDING CONDUCTORS SHALL BE SEPARATED FROM NEUTRAL CONDUCTORS EXCEPT AT THE POINT OF SERVICE OR SEPARATELY DERIVED SYSTEMS.
13. PROVIDE NEW UPDATED AND ACCURATE PANEL SCHEDULES FOR NEW PANEL AND EXISTING PANELS WITH NEW OR DEMOLISHED CKTS.
14. CONTRACTOR SHALL PROVIDE THE CUSTOMER AND/OR THE BUILDING INSPECTOR CUT SHEETS OF ALL MATERIALS AND EQUIPMENT INSTALLED, WHICH INCLUDE INSTALLATION INSTRUCTIONS UPON REQUEST. THESE CUT SHEETS SHALL BE AVAILABLE ON DAY OF INSPECTIONS AND SHALL BE HANDED OVER TO THE CUSTOMER AFTER THE COMPLETION OF THIS JOB.
15. THE CONTRACTOR SHALL USE SUFFICIENT BARRICADES AND TEMPORARY PROTECTION DEVICES TO PREVENT PEDESTRIANS OR NON-AUTHORIZED ACCESS TO ANY ELECTRICAL HAZARDS, OPEN TRENCHES, OR CONSTRUCTION ACTIVITY.
16. PROVIDE CIRCUIT BREAKER HANDLE TIES OR MULTI POLE CIRCUIT BREAKERS FOR ALL CIRCUITS SHARING NEUTRALS PER CEC 210.4.
17. PROVIDE WHITE, DECORATIVE (DECORA) STYLE, SPEC GRADE, 20A, RECEPTACLES UON. REPLACE ALL EXISTING RECEPTACLES AND SWITCHES TO MATCH NEW.
18. FIELD VERIFY EXISTING CONDITIONS.
19. NEW SWITCHES SHALL BE MOUNTED AT 44" ON CENTER AFF UON. SWITCHES SHALL NOT BE MOUNTED HIGHER THAN 48" TO THE TOP OF THE BOX.
20. NEW CONVENIENCE RECEPTACLES SHALL BE MOUNTED AT 20" ON CENTER AFF UON. CONVENIENCE RECEPTACLES SHALL NOT BE MOUNTED LOWER THAN 15" AFF TO THE BOTTOM OF THE BOX.
21. PROVIDE A SPARE CONDUIT WHEREVER CONDUIT IS ROUTED ON THIS PROJECT WITH THE EXCEPTION OF LIGHTING CIRCUITS AND PERIMETER WALL RECEPTACLES. MATCH CONDUIT SIZE OF THE UTILIZED CONDUIT.

ABBREVIATIONS

AB	ANCHOR BOLT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AL	ALUMINUM
AMP/A	AMPERE
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
C	CONDUIT
CKT	CIRCUIT
CB	CIRCUIT BREAKER
CMP	COMMUNICATIONS PLENUM RATED
CMR	COMMUNICATIONS RISER RATED
COMM	COMMUNICATIONS
CU	COPPER
DEMO	DEMOLISH
DIA	DIAMETER
DIST	DISTRIBUTION
DWG	DRAWING
(E)	EXISTING
EA	EACH
EGC	EQUIPMENT GROUNDING CONDUCTOR
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
EXT	EXTERIOR
EG	EQUIPMENT GROUND
FFE	FURNITURE, FIXTURES, AND EQUIPMENT
FLA	FULL LOAD AMPS
FT	FEET
FA	FIRE ALARM
G/GR/GND	GROUND
GA	GAUGE
GEC	GROUNDING ELECTRODE CONDUCTOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSE POWER
HT	HEIGHT
INFO	INFORMATION
J	JUNCTION
KV	KILOVOLT
KVA	KILOVOLT-AMPS
KW	KILOWATT
LT	LIGHT
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCM/KCM	KILO-CIRCULAR-MILS
MFR	MANUFACTURER
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MV	MEDIUM VOLTAGE
MCC	MOTOR CONTROL CENTER
NTS	NOT TO SCALE
(N)	NEW
NA	NOT APPLICABLE
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION AGENCY
NO/#	NUMBER
OC	OCCUPANCY SENSOR/ON CENTER
OCP	OVERCURRENT PROTECTION
OH	OVERHEAD
OSP	OUTSIDE PLANT
PH	PHASE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
RECPT	RECEPTACLE
RCP	REFLECTED CEILING PLAN
REF	REFERENCE
REQ	REQUIRED
RGS	RIGID GALVANIZED STEEL
RMC	RIGID METALLIC CONDUIT
SF	SQUARE FEET
SCHED	SCHEDULE
SHT	SHEET
SPECS	SPECIFICATIONS
SUSP	SUSPENDED
SWBD	SWITCHBOARD
SS	STAINLESS STEEL
TEL	TELEPHONE
TELCO	TELECOMMUNICATIONS
TGB	TELCO GROUND BAR
TMGB	TELCO MAIN GROUND BAR
TYP	TYPICAL
UFC	UNIFIED FACILITIES CRITERIA
UFGS	UNIFIED FACILITIES GUIDE SPECIFICATIONS
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UTP	UNSHIELDED TWISTED PAIR
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
VFY	VERIFY
W	WATTS
W/	WITH
W/OUT	WITHOUT
WR	WEATHER RESISTANT
XFMR	TRANSFORMER
Z	IMPEDANCE

LIGHTING SCHEDULE

SYMBOL	TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	WATTAGE
A	LED	Columbia	VAY22-935MLHEG-EDU	ARCHITECTURAL EDGE-LIT 2'x2' fits recessed exposed Grid ceilings, 3500K, 90 CRI	24
B	LED	PRUDENTIAL	BPRO3-RECFLSHLED35SO4' TMWBTWLPSCUNVDM01	RECESSED LINEAR 3"x4' Grid to Grid (T-Bar)	7.8 / foot
C	LED	PRUDENTIAL	BPRO3-PERFLSHLED35-LORXX-25'x17'TMWPFLWTWSCUNVDM01	RECESSED PERIMETER 3"x(see Plan) wall to Grid (T-Bar)	3.8 / foot
D	LED	DMF LIGHTING	M4NCRSDRD2M15935WFWOM4TRSWH	MODULAR DOWNLIGHTING, 4" ROUND WHITE BEVELED TRIM, WIDE FLOOD PATERN	16.5
E	LED	DUEL-LITE	EVCUGWI	ARCHITECTURAL LED COMBINATION LIT EXIT SIGN / EGREES LIGHT INTERNAL BATTERY AND DIAGNOSTICS	

LIGHTING CONTROL SCHEDULE

Quantity	Icon	Model Number	Description
3	1RD	NXRCFX2-1RD-UNV	The FX enabled NX Room Controller (NXRCFX) provides automatic and manual lighting control with the simplicity of plug-in installation and auto-configuration.
3	2RD	NXRCFX2-2RD-UNV	The FX enabled NX Room Controller (NXRCFX) provides automatic and manual lighting control with the simplicity of plug-in installation and auto-configuration.
2		NXSMDT-LH2-WH	NX Digital Smart Occupancy Sensor, Wall Switch, PIR/US
4		NXSMDT-OMNI	NX Digital DT OMNI Sensor contains leading occupancy detection, wired and wireless capabilities, and Bluetooth programming all in one device
2		NXSW2-8-WH	NX Digital Smart Switch
2		NXSW2-ORLO-WH	NX Digital Specialty Switch

Main Switchboard: (864) 678-1000
Technical Service: (800) 888-8006

www.currentlighting.com

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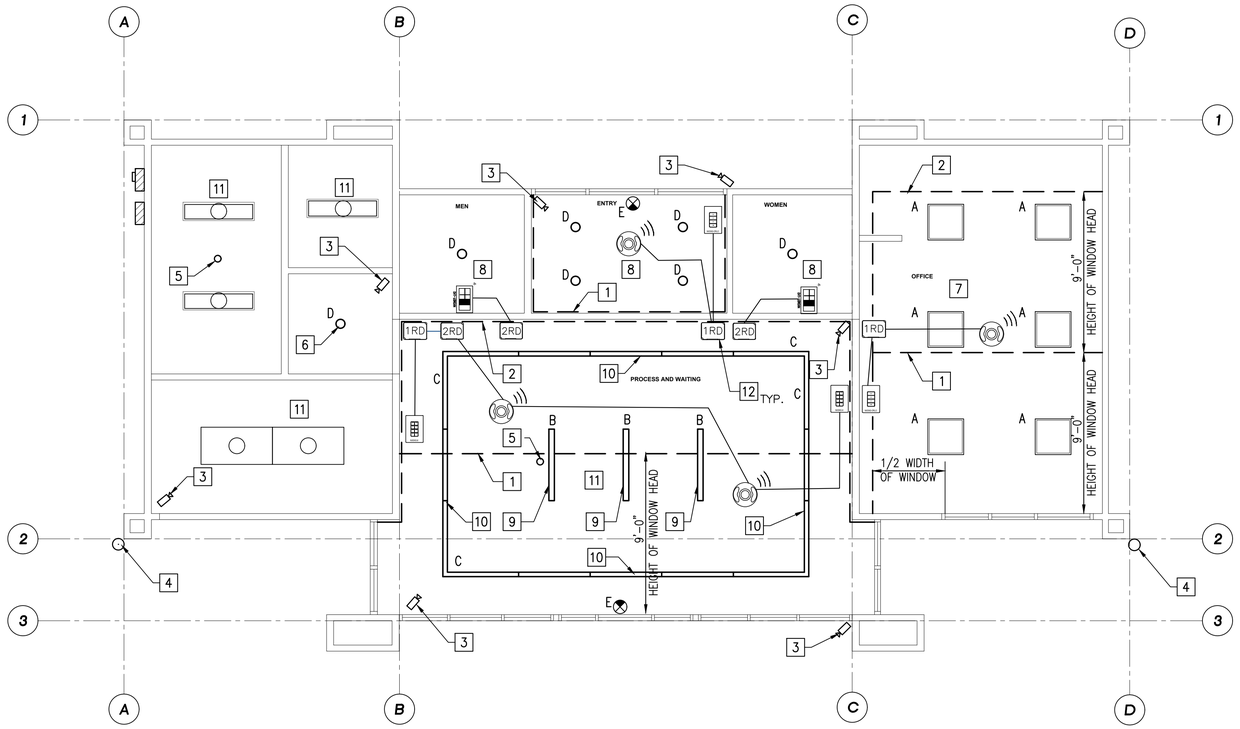
Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

KEYNOTES

1. PRIMARY SIDELIT DAYLIT ZONE, PER CEC 130.1(d). PROVIDE AUTOMATIC DAYLIGHT CONTROL FOR ALL LIGHTING FIXTURES LOCATED WITHIN THIS AREA.
2. SECONDARY SIDELIT DAYLIT ZONE, PER CEC 130.1(d). PROVIDE AUTOMATIC DAYLIGHT CONTROL FOR ALL LIGHTING FIXTURES LOCATED WITHIN THIS AREA.
3. PROPOSED CCTV CAMERA LOCATION, TYPICAL OF 5.
4. PROPOSED PTZ CAMERA, TYPICAL OF 2.
5. CEILING MOUNTED MICROPHONE
6. REPLACE EXISTING 1X4 LIGHT FIXTURE WITH LED CAN LIGHT.
7. NEW LED 2X2 ARCHITECTURAL EDGE LIT FIXTURES BY COLUMBIA OR SIMILAR.
8. PROVIDE LED MODULAR DOWNLIGHTING AS SHOWN.
9. 4' RECESSED LINEAR BIONIC PRO LED LIGHT FIXTURE BY PRUDENTIAL OR SIMILAR, TYPICAL THIS ROOM. INSTALL PER MANUFACTURER.
10. 3" WIDE BIONIC PRO3 PERIMETER LIGHTING BY PRUDENTIAL OR SIMILAR AT SOFFIT EDGE INSTALL PER MANUFACTURER.
11. EXISTING LIGHTING TO BE RE-INSTALLED IN NEW CEILING, THIS AREA. (1)
12. MOUNT ALL LIGHTING ROOM CONTROLLERS ABOVE CEILING ACCESSIBLE THROUGH SUSPENDED CEILING PANEL OR PROVIDE CEILING ACCESS PANEL. CONNECT ALL TO EXISTING LIGHTING CIRCUITS SERVING ROOM/AREA.



PROPOSED LIGHTING AND ELECTRICAL PLAN

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

24
A4.0

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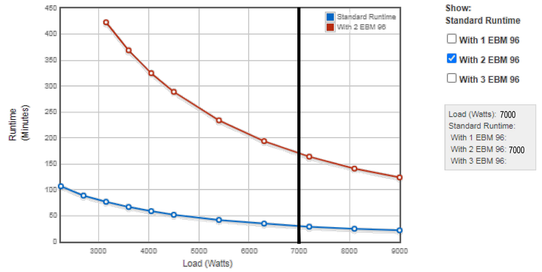
LIGHTING AND ELCTRICAL PLAN

DATE: 2/2/2024
PROJECT MANAGER: EJC
DRAWN BY: EJC

A4.0

SHEET 7 OF 23

Battery Runtimes for Eaton K41012000000000



Battery runtimes are approximate and may vary with equipment, configuration, battery age, temperature, etc. Actual runtime may vary from +/- 15% around these typical values

PANEL NAME: **"A"** (existing) BUS RATING: 200A MAINS: 200A MIN. INTERRUPTING RATING: 10K
VOLTAGE-PHASE: 120/240V-1Φ BREAKER TYPE: FIELD VERIFY ENCLOSURE TYPE - MOUNT: NEMA 3R - SURFACE

DESCRIPTION	POLE	AMP	CKT	CAT	ΦA		ΦB		CAT	CKT	AMP	POLE	DESCRIPTION
Panel A-UPS via UPS BPM	**2**	**70**	**1**		**7000**	**1265**				**2**	**25**	**2**	**New HVAC unit CU-1 on ground**
"	**"**	**"**	**3**				**7000**	**1265**		**4**	**"**	**"**	**"**
Spare - load fed from Pnl. A-UPS	1	20	5			500				6	20	1	Exist. Spare
Spare - load fed from Pnl. A-UPS	1	20	7							8	20	1	**Spare - load fed from Pnl. A-UPS**
Spare - load fed from Pnl. A-UPS	1	20	9							10	20	1	**Spare - load fed from Pnl. A-UPS**
Spare - load fed from Pnl. A-UPS	1	20	11							12	20	1	**Spare - load fed from Pnl. A-UPS**
Spare - load fed from Pnl. A-UPS	1	20	13			2300				14	20	2	Exist Water Heater, Elec. Instant
Exist. Water Heater, Elec. Instant	2	20	15				2300	2300		16	"	"	"
"	"	"	17		2300	3730				18	50	2	Exist HVAC Unit on Roof
Exist Spare	1	20	19				500	3730		20	"	"	"
	1		21							22		1	
	1		23							24		1	
TOTAL CONNECTED LOAD:					17095		17095		VA				
25% OF CONTINUOUS LOADS:					0		0		VA				
25% OF LARGEST MOTOR LOAD:					0		0		VA				
TOTAL CODE LOAD:					17095		17095		VA				

CURRENT= 142.5 A

ELECTRICAL PANEL SCHEDULE

PANEL NAME: **"A-UPS"** (new) BUS RATING: 100A MAINS: 200A MIN. INTERRUPTING RATING: 10K
VOLTAGE-PHASE: 120/240V-1Φ BREAKER TYPE: FIELD VERIFY ENCLOSURE TYPE - MOUNT: NEMA 3R - SURFACE

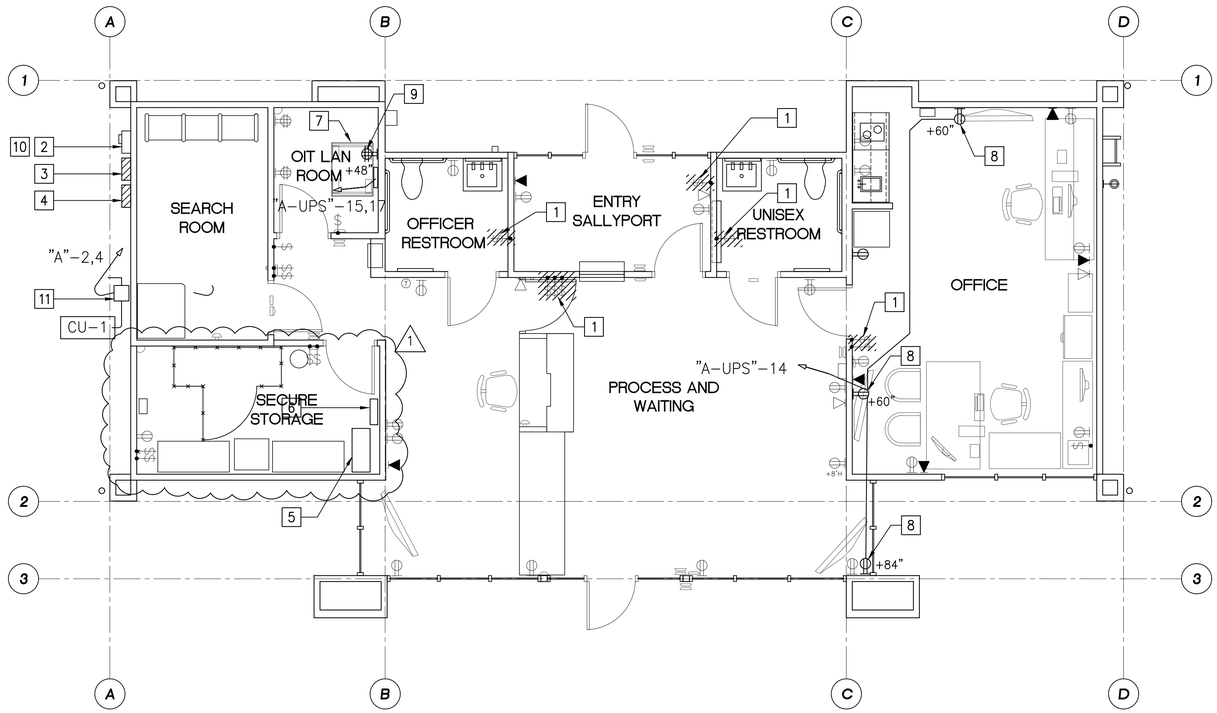
DESCRIPTION	POLE	AMP	CKT	CAT	ΦA		ΦB		CAT	CKT	AMP	POLE	DESCRIPTION
Lights - load reloc. from Pnl. "A"	**1**	**20**	1	C	630	250			C	2	**20**	**1**	**Lights - load reloc. from Pnl. "A"**
Lights - load reloc. from Pnl. "A"	**1**	**20**	3	C			855	630	C	4	**20**	**1**	**Lights - load reloc. from Pnl. "A"**
Lights - load reloc. from Pnl. "A"	**1**	**20**	5	C	520					6	**20**	**1**	**Spare - load reloc. from Pnl. "A"**
Receptacles - reloc. from Pnl. "A"	**1**	**20**	7				1260	1080		8	**20**	**1**	**Receptacles - reloc. from Pnl. "A"**
Receptacles - reloc. from Pnl. "A"	**1**	**20**	9		1260	1080				10	**20**	**1**	**Receptacles - reloc. from Pnl. "A"**
Receptacles - reloc. from Pnl. "A"	**1**	**20**	11				180	360		12	**20**	**1**	**Receptacles - reloc. from Pnl. "A"**
Receptacles - reloc. from Pnl. "A"	**1**	**20**	13		180	600				14	**20**	**1**	**New Receptacles, Video Monitors**
Dedicated Receptacle, data rack	**1**	**20**	15				1500			16		1	
Dedicated Receptacle, data rack	**1**	**20**	17		1500					18		1	
	1		19							20		1	
	1		21							22		1	
	1		23							24		1	
TOTAL CONNECTED LOAD:					6020		5865		VA				
25% OF CONTINUOUS LOADS:					350		371		VA				
25% OF LARGEST MOTOR LOAD:					0		0		VA				
TOTAL CODE LOAD:					6370		6236		VA				

CURRENT= 53.1 A

SIGNAGE SCHEDULE

LOCATION	MESSAGE
MAIN SERVICE ENTRANCE	WARNING: A standby power source (Battery/UPS) is connected to this premises wiring system and is located in the Storage Room accessible from within the building.
MAIN SERVICE ENTRANCE	WARNING: Shock hazard exists if grounding electrode conductor or bonding jumper connection in this equipment is removed while the alternate source(s) is energized.

NOTE: FONT SIZES, WORDS, COLORS, SYMBOLS SHALL BE PER ANSI Z535.4-2011, PRODUCT SAFETY SIGNS AND LABELS,



POWER DATA/COMM AND ELECTRICAL SECURITY PLAN

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

24
A5.0

SYMBOLS LEGENDS

+XX	MOUNTING HEIGHT IN INCHES AFF OR AFG, WIRING DEVICES-TO CENTER OF DEVICE, WALL BRACKET LIGHTING FIXTURE- TO CENTER OF OUTLET. PENDANT MOUNTED LIGHTING FIXTURES- TO BOTTOM OF FIXTURE.
	GROUND
$	LIGHT SWITCH
	DEVICE OR PANEL AS INDICATED ON DRAWING
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
WR GFI	WEATHER RESISTANT GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE
	HALF HOT CONTROLLED RECEPTACLE
	RECESSED FLOOR DUPLEX RECEPTACLE
DP-1	2-WIRE + GR CABLE. WHEN PRESENT, HASH MARKS INDICATE CONDUCTOR COUNT OTHER THAN TWO. ARROW INDICATES HOME RUN. DESIGNATION INDICATES PANEL-CKT#.
▲	COMM PORT (2), WALL MOUNTED UON
△	CATV PORT, WALL MOUNTED
HDMI	HDMI PORT, WALL MOUNTED UON
HDMI	RECESSED FLOOR HDMI PORT
	DEMOLISH
	INDICATES POWER CKT RUN.
	INDICATES COMM CKT RUN.
	COMBINATION LIT EXIT SIGN/EMERGENCY EGRESS LIGHT WITH INTEGRAL BATTERIES AND DIAGNOSTIC.

KEYNOTES

1. REMOVE EXISTING DEVICE FOR REPLACEMENT WITH NEW CONTROLS. SEE LIGHTING PLANS.
2. EXISTING METER AND MAIN DISCONNECT.
3. EXISTING BRANCH CIRCUIT PANELBOARD "A", SEE PANEL SCHEDULE.
4. PROVIDE NEW PANEL "A-UPS", NEMA 3R, FLUSH MOUNT, SEE PANEL SCHEDULE.
5. PROVIDE NEW 10KVA UPS: EATON 9155-1K0, K41012 WITH 2 EBM96 FEED FROM PANEL "A", THROUGH BYPASS SWITCH.
6. PROVIDE NEW EATON UPS BYPASS POWER MODULE, (BPM) 125A BPM HW MOUNT ON WALL AND INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE NEW SURFACE MOUNT NEMA 1 ENCLOSURE WITH NEW 35AMP, 2 POLE CIRCUIT BREAKER FEED FROM UPSBPM OUTPUT AND TO PANEL "A-UPS" WITH ¾ 1#8GR. THHN IN 1-1/4"C.
7. PROVIDE NEW 19" DATA EQUIPMENT RACK, LOCKABLE. PROVIDE SIESMIC RESTRAINT, BRACE TO ADJACENT WALL.
8. PROVIDE NEW DUPLEX RECEPTACLE AT HEIGHT INDICATED FOR VIDEO MONITOR, FEED FROM PANEL "A-UPS", SEE PANEL SCHEDULE.
9. PROVIDE NEW DOUBLE DUPLEX RECEPTACLE AT HEIGHT INDICATED FOR DATA RACK, FEED FROM PANEL "A-UPS", SEE PANEL SCHEDULE. PROVIDE DEDICATED NEUTRALS, HANDLE TIE AT CIRCUIT BREAKERS.
10. PROVIDE SIGNAGE PER CEC ARTICLE 702 OPTIONAL STANDBY SYSTEMS, SECTIONS 702.7(A) AND 702.7(B) AND MEETING THE REQUIREMENTS OF SECTION 110.21B FIELD-APPLIED HAZARD MARKINGS, PERMANENTLY AFFIXED AND DURABLE FOR THE ENVIRONMENT. SEE SIGNAGE SCHEDULE THIS SHEET.
11. PROVIDE 30A NEMA, 3R UNFUSED DISCONNECT SWITCH, MOUNT ON WALL AND CONNECT TO HVAC UNIT WITH MAXIMUM 6'-0" LENGTH LFMC.

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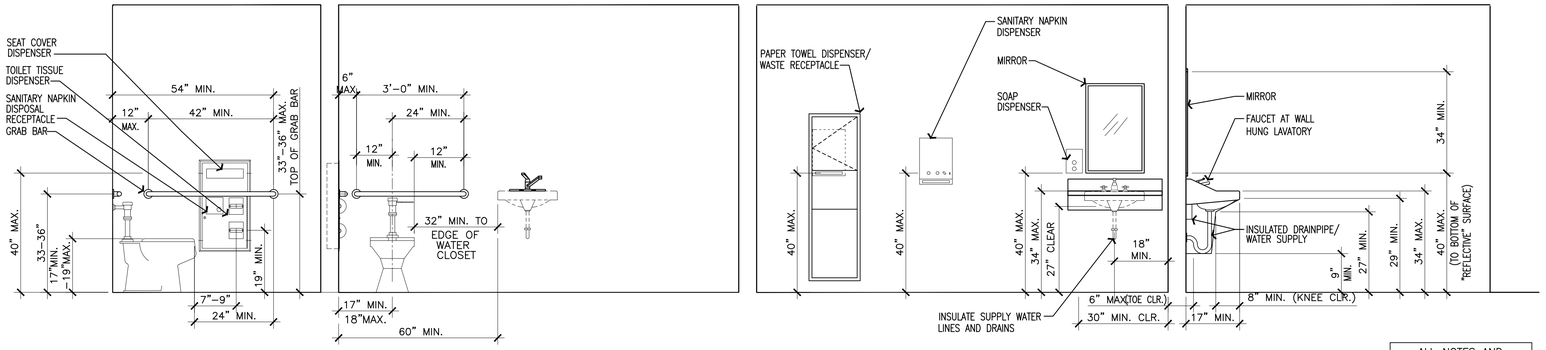
A5.0

SHEET 8 OF 23



NOTE 1: SEE DETAIL 53/A7–0 FOR TYPICAL ACCESSIBLE RESTROOM NOTES

NOTE 2: ALL FIXTURES SHALL BE TOUCHLESS

ALL NOTES AND DIMENSIONS PER ABOVE EXCEPT AS NOTED

TYPICAL RESTROOM ACCESSORY MOUNTING REQUIREMENTS – CONTRACTOR SHALL VERIFY IT ALL COMPLIES WITH CBC 2022, 11B

21

1/2"=1'–0"

NONCOMPLIANT ACCESSIBLE FEATURES FOUND DURING CITY BUILDING INSPECTION SHALL BE CORRECTED TO MEET CURRENT APPLICABLE ACCESSIBILITY CODES

TYP. ACCESSIBLE RESTROOM NOTES

53

1. REGARDLESS OF STALL CONFIGURATION, A 60" WIDE BY 48" LONG MINIMUM CLEARANCE FLOOR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET.

2. INTERIOR DIMENSIONS OF SINGLE ACCOMMODATION TOILET ROOMS SHALL INCLUDE A CLEAR FLOOR SPACE OF AT LEAST 60" IN DIAMETER OR A T–SHAPED CLEAR SPACE. NO DOOR MAY ENCROACH INTO THIS REQUIRED CLEAR SPACE BY MORE THAN 12".

3. SIDE GRAB BAR SHALL BE 42 INCHES LONG MINIMUM, LOCATED 12 INCHES MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES MINIMUM FROM THE REAR WALL WITH THE FRONT END POSITIONED 24 INCHES MINIMUM IN FRONT OF THE WATER CLOSET.

4. REAR GRAB BAR SHALL BE 36 INCHES LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES MINIMUM ON ONE SIDE AND 24 INCHES MINIMUM ON THE OTHER SIDE.

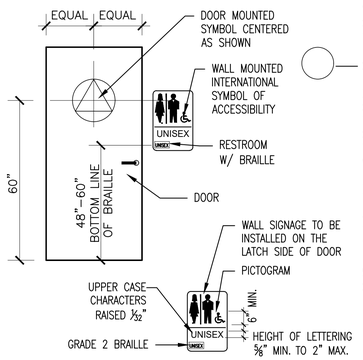
5. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACE UNDER LAVATORIES AND SINKS. 11B–606.5

6. THE DISTANCE BETWEEN THE CENTER LINE OF A WATER CLOSET AND AN ADJOINING WALL SHALL BE 17"MIN.–18"MAX. FROM THE WALL.

7. LAVATORIES SHALL BE MOUNTED WITH A MINIMUM DISTANCE OF 18" MIN. FROM THE CENTER LINE OF THE FIXTURE TO SIDE WALLS. ACCESSIBLE LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER THAN 34" ABOVE THE FINISHED FLOOR.

8. REFER TO M.E.P. SHEETS FOR FINAL FIXTURE SELECTION.
9. SEE DOOR SCHEDULE FOR JAMB OFFSET DIMENSIONS.
10 . REFER TO DETAIL 21 FOR ACCESSIBLE REQUIRED DIMENSIONS AND HEIGHTS.

* EACH RESTROOM SHALL BE IDENTIFIED AS UNISEX.



DOOR MOUNTED SIGNAGE:

1. UNISEX EQUILATERAL TRIANGLE 1/4" THICK WITH EDGES 12" LONG AND A VERTEX POINTING UPWARD. SUPERIMPOSE ON CIRCLE BELOW WITHIN THE 12" DIAMETER.

2. UNISEX – 12"ø CIRCLE 1/4" THICK.

3. THE TRIANGLE SYMBOL SHALL CONTRAST WITH THE CIRCLE SYMBOL, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. THE CIRCLE SYMBOL SHALL CONTRAST WITH THE DOOR, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.

4. IMAGE AND LETTERS SHALL BE ENGRAVED A MINIMUM OF 1/32" INTO THE PLAQUE.

5. SIGNS ARE CENTERED ON THE DOOR 60" FROM THE FINISHED FLOOR

WALL MOUNTED SIGNAGE:

1. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IS INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. THE BORDER DIMENSION OF THIS PICTOGRAM SHALL BE A MINIMUM OF 6" IN HEIGHT.

NOTE: WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT.

2. RAISED CHARACTERS IDENTIFYING THE INTENDED GENDER USING THE FACILITY ("MEN", "WOMEN", OR "RESTROOM") IN THIS CASE UNISEX, DUPLICATED IN BRAILLE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, FLUSH LEFT AND CENTERED IS PLACED DIRECTLY BELOW THE SYMBOL OF ACCESSIBILITY.

3. THE CHARACTERS AND BACKGROUND OF THE SIGN ARE EGGSHELL, MATTE, OR OTHER NON–GLARE FINISH AND THE COLOR AND CONTRAST OF THE SIGN DISTINCTIVELY CONTRAST W/ THE COLOR AND CONTRAST OF THE WALL.

NOTE: THE REQUIRED COLOR OF THE SYMBOL OF ACCESSIBILITY CONSISTS OF A WHILE FIGURE ON A BLUE BACKGROUND.

4. TACTILE CHARACTERS ON SIGNS 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 ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. TACTILE IDENTIFICATION SIGNAGE SHALL BE INSTALLED 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.

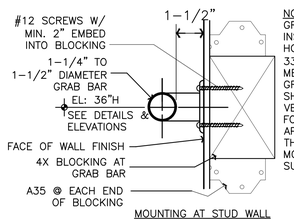
5. LETTERS AND NUMBERS ARE RAISED 1/32", ARE SANS–SERIF UPPERCASE CHARACTERS AND ARE ACCOMPANIED BY GRADE 2 BRAILLE. CHARACTERS ARE A MINIMUM 5/8" HIGH AND A MAXIMUM OF 2" HIGH. ALL LETTERS, NUMBERS AND BRAILLE SHALL BE AN INTEGRAL PART OF THE SIGN.

6. MOUNTING LOCATION ALLOWS A PERSON TO APPROACH WITHIN 3" OF THE SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.

SANITARY FACILITIES SIGNAGE

23

NONE



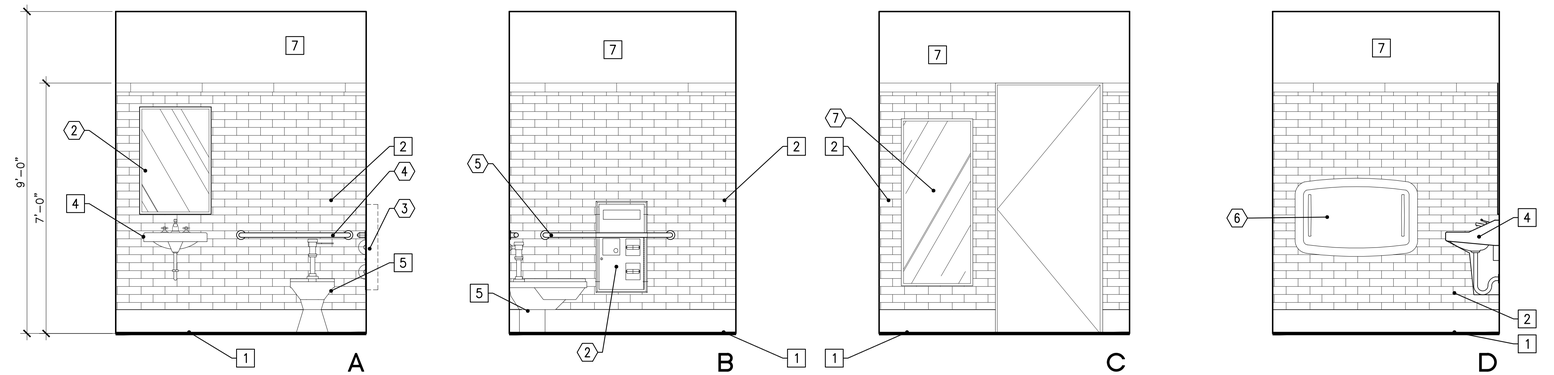
MOUNTING AT STUD WALL

NOTE: STAINLESS STEEL GRAB BARS, SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33"MIN.–36"MAX. AFF MEASURED TO TOP OF THE GRIPPING SURFACE AND SHALL WITHSTAND A VERTICAL OR HORIZONTAL FORCE OF 250 LBS APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE.

TYPICAL GRAB BAR ANCHORING

33

3"=1'–0"



NOTE 1: OFFICER RESTROOM IS A MIRROR LAYOUT OF THE UNISEX PUBLIC RESTROOM EXCLUDING THE CHANGING STATION.

NOTE 2: SEE DETAIL 21/A7–0 FOR RESTROOM ACCESSORY MOUNTING REQUIREMENTS.

MEN'S RESTROOMS INTERIOR ELEVATIONS

34

1/2"=1'–0"

1 REPLACE EXISTING 1X1 TILE FLOOR WITH NEW 4X12 STENCIL WHITE FLOOR TILE BY DALTILE

2 REPLACE EXISTING 4X4 CERAMIC TILE WAINSCOT AT WALL WITH NEW AMBASSADOR GLOBAL GREY, RANDOM LINEAR WALL TILE WAINSCOT BY DALTILE. PROVIDE 6X12 COVED TILE BASE

3 NEW ACCESSIBLE RESTROOM SIGNAGE – SEE DETAIL 23/A7–0

4 REPLACE EXISTING LAVATORY WITH NEW SLOAN ACR–DEC AD–81000 RUSH STREET 1–STATION WALL MOUNTED LAVATORY, CORIAN LIGHT QUARTZ FINISH WITH BRUSHED STAINLESS FINISH FAUCET. PROVIDE ACCESSIBLE LAVATORY IN PUBLIC RESTROOM. (1)

5 REPLACE EXISTING WATER CLOSET WITH NEW SLOAN WETS–2720.1401–STG ST–2029 WATER CLOSET AND G2 8111 FUSHOMETER. PROVIDE ACCESSIBLE WATER CLOSET IN PUBLIC RESTROOM

6 THRESHOLD TO BE MARBLE STONE WITH ADA COMPLIANT BULLNOSE EDGES. PROVIDE SAMPLE TO ARCHITECT/OWNER FOR INITIAL SELECTION. (1)

7 W.R. GYPSUM BOARD. PAINT. ACCENT WALL (LAVATORY AND WATER CLOSET WALL) TO BE NAVAL SW6244 BY SHERWIN WILLIAMS AND FIELD PAINT COLOR TO BE PURE WHITE SW7005 BY SHERWIN WILLIAMS

8 REPLACE ALL EXISTING DISPENSERS AND ACCESSORIES WITH NEW DISPENSERS AND ACCESSORIES, FINISH SHALL BE STAINLESS STEEL. SEE DETAIL 21/A7–0

9 REPLACE EXISTING MIRROR WITH NEW MIRROR

* ALL FIXTURES SHALL BE TOUCHLESS.

KEY NOTES + GENERAL NOTES

11

NONE

1 COAT HOOK 48" HIGH MAX. A.F.F. @ ACCESSIBLE STALLS

2 REPLACED MIRROR ABOVE EACH LAVATORY (U.O.N.) W/ REVERSIBLE LED BACKLIT B–167–2436 BY BOBRICK OR EQUAL

3 COMBINATION TOILET PAPER/SEAT COVER DISPENSER WITH SANITARY NAPKIN DISPENSER.

4 GRAB BAR 36" MIN. – SEE DETAIL 33/A7–0

5 GRAB BAR 42" MIN. – SEE DETAIL 33/A7–0

6 BABY CHANGING STATION – S.S. KB310–SSRE BY KOALA CARE

7 NEW FULL HEIGHT MIRROR W/ REVERSIBLE LED BACKLIT B–167 24X56 BY BOBRICK OR EQUAL

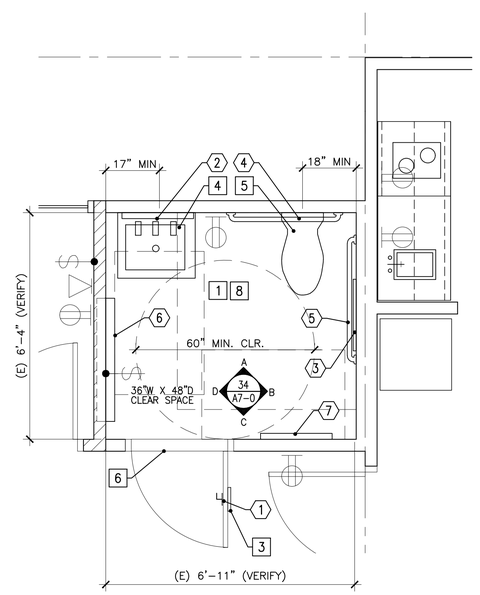
* ALL ACCESSORY FINISHES SHALL BE BRUSHED STAINLESS STEEL.

* REFER TO 21/A7–0 FOR MOUNTING REQUIREMENTS FOR ALL REPLACED DISPENSERS AND ACCESSORIES. PROVIDE STAINLESS STEEL FINISH.

RESTROOM ACCESSORIES

12

NONE



*SEE DETAIL 21/A7–0 FOR RESTROOM ACCESSORY MOUNTING REQUIREMENTS.

NOTE 1: OFFICER RESTROOM IS A MIRROR LAYOUT OF THE UNISEX PUBLIC RESTROOM EXCLUDING THE CHANGING STATION.

N

MEN'S + WOMEN'S ENLARGED FLOOR PLAN

14

1/2"=1'–0"

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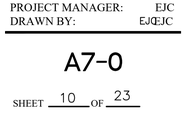
REVISIONS

1ST BUILDING DEPT. SUBMITTAL	DATE	10/20/2023
1 PRE-BID AMENDMENT	DATE	02/16/2023

SEAL



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SHEET CONTENTS:

ENLARGED RESTROOM PLAN + DETAIL

DATE: 2/2/2024
PROJECT MANAGER: EJC
DRAWN BY: EJC

A7-0

SHEET 10 OF 23

SIGNAGE SCHEDULE

ID		SIGNAGE								
#	RM	SIZE	TAG	TYPE	LOCATION INT.	LOCATION EXT.	QTY	WORDING	BRAILLE	REMARKS
2	ENTRY	SEE SIGN. EXT. ELEV 22/A8-0	1	FI-005		X	1	U.S. CUSTOMS AND BORDER PROTECTION		BUILDING IDENTIFICATIOIN –
2	ENTRY	–	2	WF-001		X	1			WAYFINDING HANDICAP SYMBOL AND ACCESS
2	ENTRY	28X22	3	NS-030		X	1	WELCOME TO THE UNITED STATES		WELCOME TO THE UNITED STATES
2	ENTRY	15X9	4	NS-011		X	1	NO SMOKING WITHIN 25 FEET OF BUILDING ENTRANCE		NO SMOKING NOTICE SIGNAGE
	PROCESS /WAITING	15X9	5	NS-034	X		1	WAIT HERE, WAIT HERE FOR OFFICER INSTRUCTION		
	PROCESS /WAITING	17X11	6	SS-011	X		1			CONSOLIDATED (APOE)
	PROCESS /WAITING	17X11	7	SS-012	X		1			CONSOLIDATED (APOE)
	PROCESS /WAITING	17X11	8	SS-013	X		1			CONSOLIDATED (APOE)
10	PROCESS, COUNTER	15X9	9	NS-004	X		1	DO NOT ENTER AUTHORIZED PERSONNEL ONLY		SEE AUTHORIZED PERSONNEL ONLY X3
	PROCESS.	–	10	SO-002	X		1			EMERGENCY EYE WASH SIGNAGE EM1
3	PUBLIC RESTROOM	SEE RESTROOM SHEET A7-0	11	RI-006	X		1		YES	SEE ALSO, UNISEX DOOR SIGN C2
4	OFFICER RESTROOM	SEE RESTROOM SHEET A7-0	12	RI-006	X		1			SEE ALSO, UNISEX DOOR SIGN C2
1	ENTRY SALLYPORT	SEE SIGN. EXT. ELEV 22/A8-0	13	FI-005		X	1	U.S. CUSTOMS AND BORDER PROTECTION		BUILDING IDENTIFICATION
1	ENTRY SALLYPORT	–	14	WF-001		X	1			WAYFINDING HANDICAP SYMBOL AND ACCESS
1	ENTRY SALLYPORT	15X9	15	NS-011		X	1	NO SMOKING WITHIN 25 FEET OF BUILDING ENTRANCE		NO SMOKING NOTICE SIGNAGE
1	ENTRY SALLYPORT	–	16	EXIT	X		1	EXIT		STANDARD EXIT SIGNAGE
5	ENTRY SALLYPORT	–	17	EXIT	X		1	EXIT		STANDARD EXIT SIGNAGE
6	OFFICE	SEE ROOM I.D. DETAIL 14/A8-0	18	RI-001	X		1			
7	SECURE STORAGE	SEE ROOM I.D. DETAIL 14/A8-0	19	RI-001	X		1			
8	SEARCH ROOM	SEE ROOM I.D. DETAIL 14/A8-0	20	RI-001	X		1			
9	IT ROOM	SEE ROOM I.D. DETAIL 14/A8-0	21	RI-001	X		1			
	PROCESS	SEE SIGNAGE BX	22	FI-005	X		1	U.S. CUSTOMS AND BORDER PROTECTION		BUILDING IDENTIFICATIOIN

* CONTRACTOR TO VERIFY THAT EACH SIGN COMPLIES WITH ALL REQUIREMENTS OF THE CURRENT U.S. CUSTOMS AND BORDER PROTECTION SIGNAGE DESIGN STANDARDS.

ABBREVIATIONS

SS	STATUTORY (011,012,013 CONDENSED)
BX	BUILDING EXTERIOR
BI	BUILDING INTERIOR
EM	ELECTRONIC MESSAGE

SIGNAGE TYPES

FI	FACILITY IDENTIFICATION
NS	NOTIFICATION
RI	ROOM IDENTIFICATION
SS	STATUTORY
SO	STANDARD OSHA
WF	WAYFINDING

XX00 — SIGNAGE TYPE; SIGNAGE ID #

U.S. Customs and Border Protection

12" DHS COLOR BRANDING
HOMELAND SECURITY BLUE: 2955C
HOMELAND SECURITY RED: 187C
HOMELAND SECURITY LT. BLUE: 307C
HOMELAND SECURITY RED: 370C

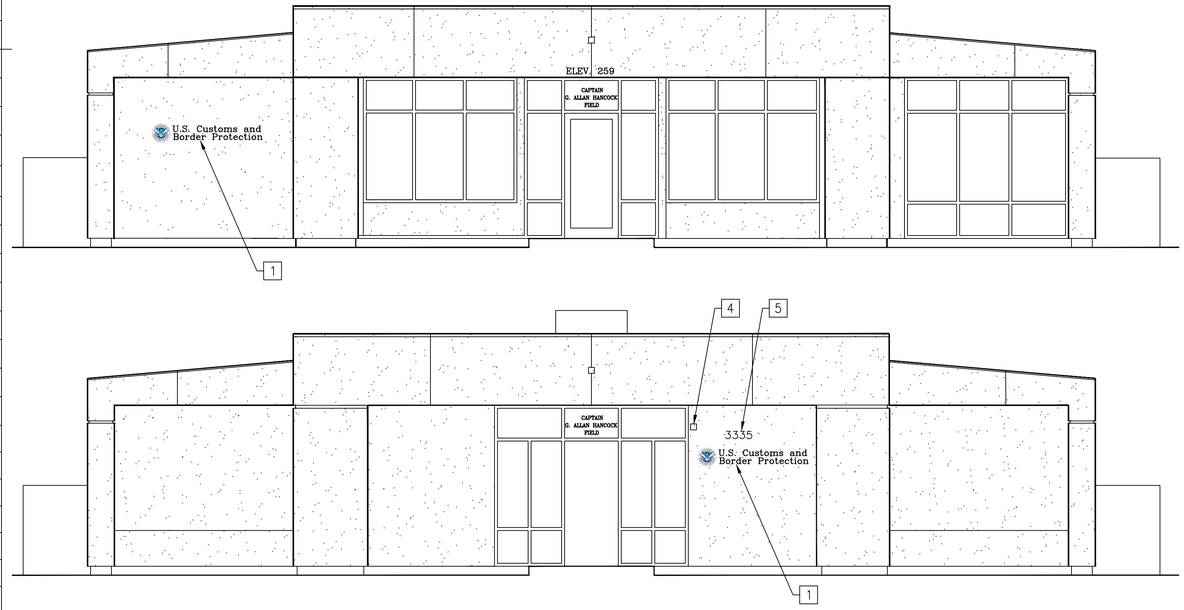
BX

4"H BOLD "JOHANNA MT" TYPOGRAPHY
HOMELAND SECURITY BLUE: 2955C

UNISEX DOOR SIGN
C2

EM1

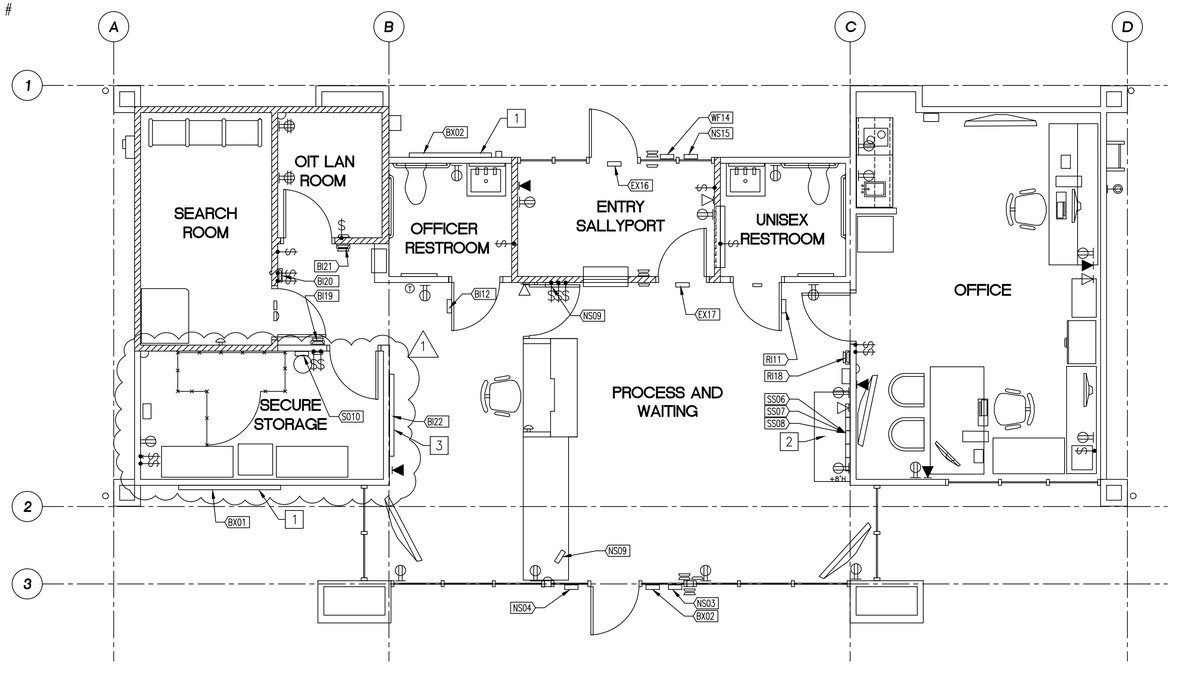
X3



SIGNAGE @ EXTERIOR ELEVATIONS

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

22 / A8.0



SIGNAGE PLAN

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

24 / A8.0

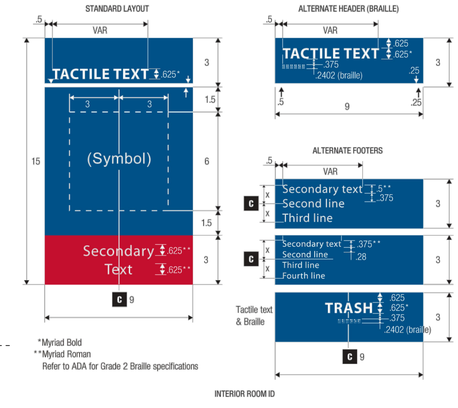


Figure 4.7.5(2) Room Identification Signage design

ROOM IDENTIFICATION

SCALE: NONE

14 / A8.0

KEYNOTES

1. EXTERIOR BUILDING SIGNAGE ABOVE, SEE SIGNAGE @ EXTERIOR ELEVATIONS 22/A8-0 AND SIGNAGE BX
2. FORMS COUNTER AND STATUTORY SIGNAGE LOCATION ABOVE COUNTER
3. BUILDING INTERIOR SIGNAGE – DHS SEAL AND CBP BRANDING, SEE DETAIL SIGNAGE BX
4. EXISTING FIRE DEPARTMENT KNOX BOX
5. EXISTING ADDRESS SIGNAGE

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REVISIONS

1ST BUILDING DEPT. SUBMITTA
DATE 10/20/2023

1 PRE-BID AMENDMEN
DATE 02/16/2023

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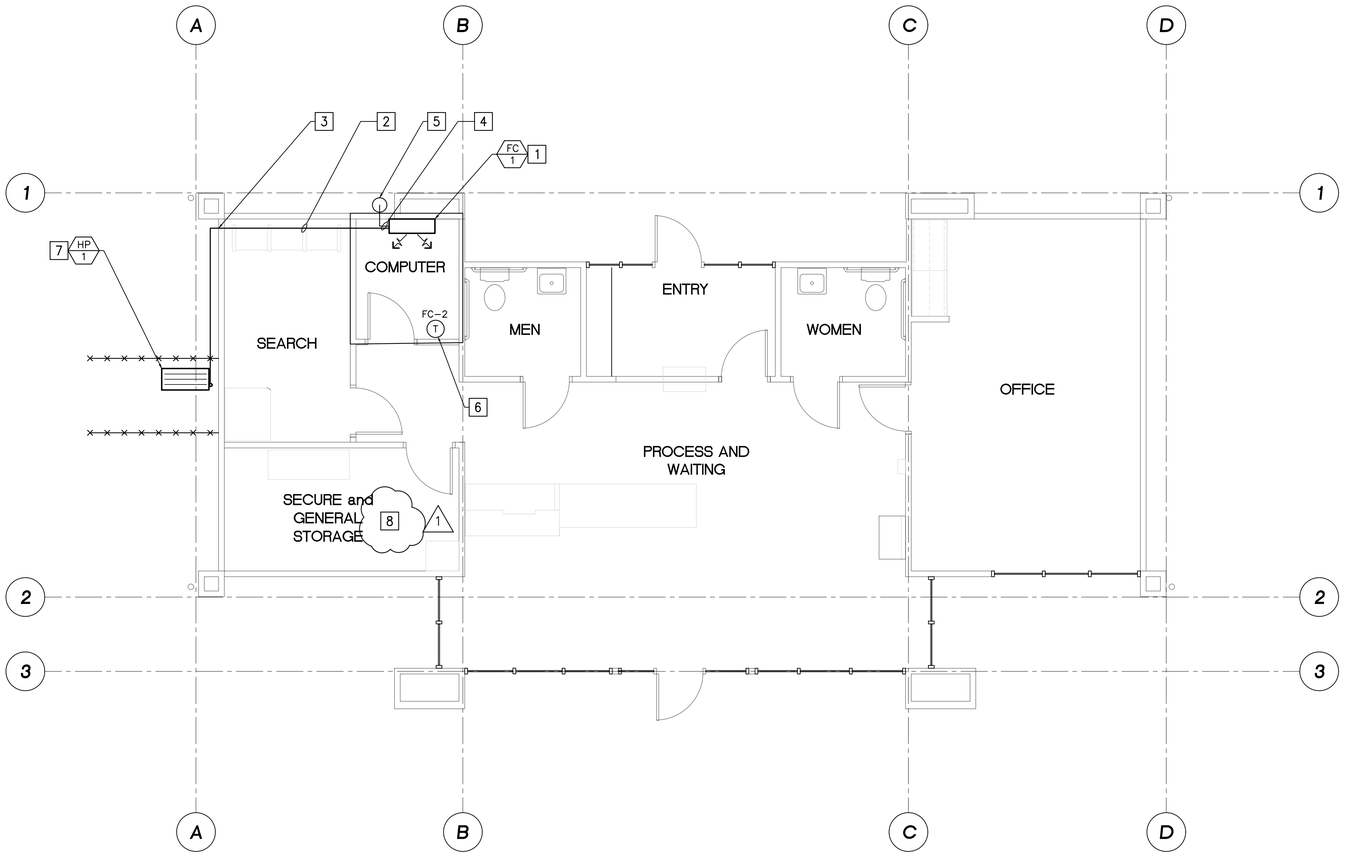
SHEET CONTENTS:

SIGNAGE PLAN

DATE: 2/2/202
PROJECT MANAGER: EJ
DRAWN BY: EJ

A8.0

SHEET 11 OF 23



MECHANICAL FLOOR PLAN

14
M2.0

SCALE: 1" = 50'-0"

KEYNOTES

1. WALL MOUNTED FAN COIL UNIT. INSTALL PER DETAIL 13/M5.0.
2. REFRIGERANT LINES TO CONDENSER. HANG ABOVE CEILING PER DETAIL 12/M5.0.
3. REFRIGERANT LINES TO PENETRATE WALL PER DETAIL 21/M5.0.
4. TYPE "M" COPPER CONDENSATE DRAIN LIE, MAINTAIN 1/8" DROP PER 1' TRAVEL. SIZE PER MANUFACTURE RECOMMENDATION. HANG SIMILAR TO DETAIL 12/M5.0.
5. CONDENSATE LINE TO TERMINATE IN A DRYWELL IN PLANTER BOX OUTSIDE. SEE DETAIL 23/M5.0.
6. COORDINATE NEW THERMOSTAT SET POINT WITH SANTA MARIA AIRPORT DISTRICT OFFICE IT DEPARTMENT TO ENSURE PROPER ROOM TEMPERATURE.
7. NEW COOLING ONLY CONDENSING UNIT ON PRE-MANUFACTURED PRECAST CONCRETE PAD OUTSIDE. SEE DETAIL 14/M5.0 FOR MOUNTING.
8. REMOVE EXISTING SUPPLY AND RETURN GRILLE AND RE-INSTALL FOLLOWING INSTALLATION OF NEW CEILINGS. REMOVE EXISTING 8" SUPPLY AND RETURN DUCTS THROUGH NEW METAL MESH WALL SECURITY PANELS TO SERVE RE-INSTALLED GRILLES. NOTE: MAXIMUM OPENING SIZE THROUGH MESH IS 9-1/2" x 9-1/2". (1)

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REVISIONS

	1ST BUILDING DEPT. SUBMITTAL
DATE	10/20/2023
1	PRE-BID AMENDMENT
DATE	02/16/2023

SEAL

REGISTERED PROFESSIONAL ENGINEER
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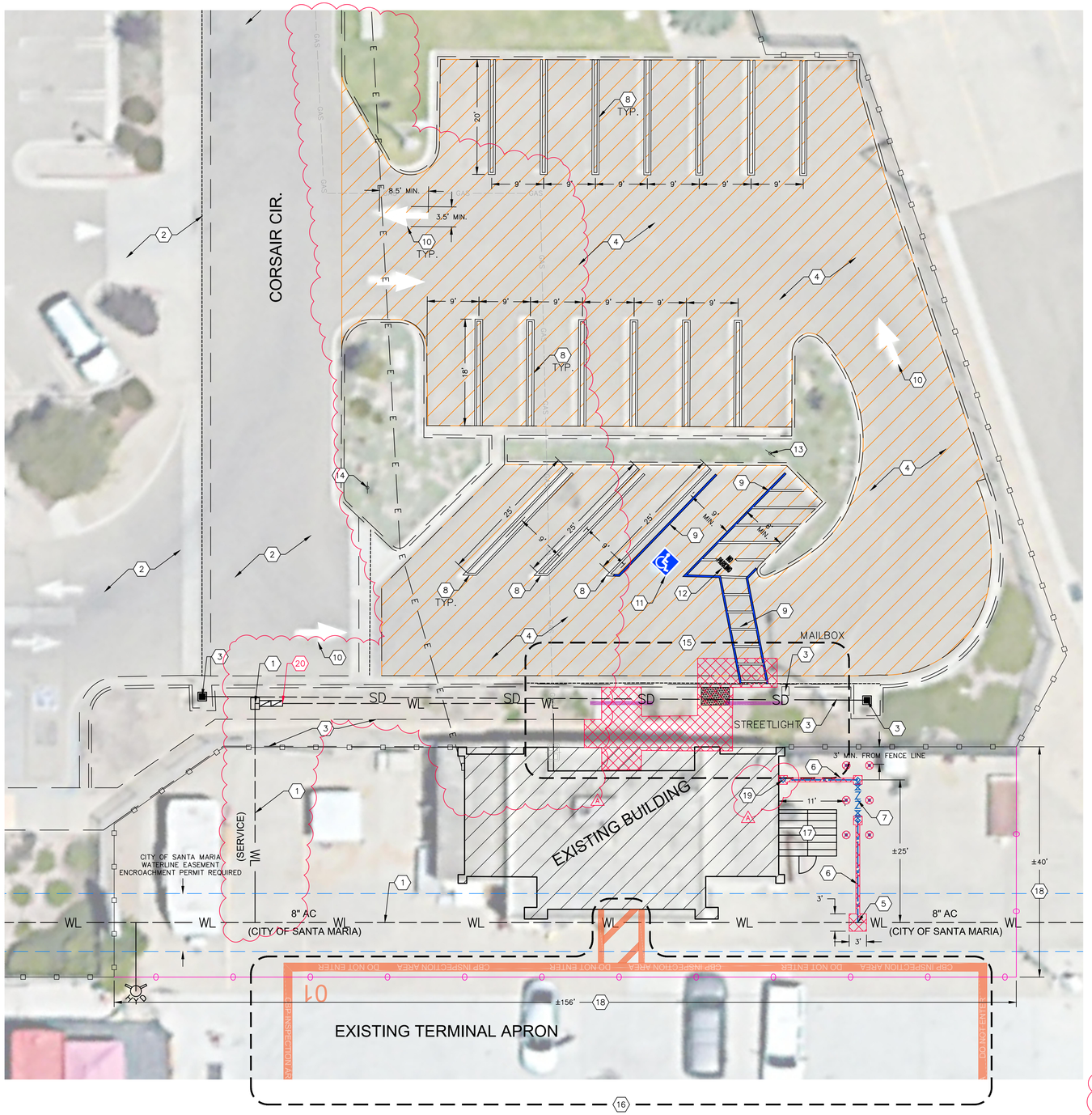
SHEET CONTENTS:
MECHANICAL
FLOOR PLAN

DATE: 2/2/2024
PROJECT MANAGER: EJC
DRAWN BY: EJC

M2.0

SHEET 13 OF 23



IMPROVEMENT NOTES: (THIS SHEET)

1. EXISTING UTILITY, PROTECT–IN–PLACE.
2. EXISTING PAVEMENT, PROTECT–IN–PLACE.
3. EXISTING IMPROVEMENT, PROTECT–IN–PLACE.
4. CLEAN PAVEMENT SURFACE, FILL CRACKS, AND APPLY SLURRY SEAL.
5. INSTALL 4" HOT–TAP CONNECTION WITH GATE VALVE ONTO EXISTING 8" PVC WATER MAIN (FINAL SIZE TO BE DETERMINED BY FIRE PROTECTION DESIGNER) IN ACCORDANCE WITH DETAILS D & E, SHEET 6. 36" x 36" MIN. SQUARE PIT OR AS REQUIRED TO INSTALL HOT–TAP CONNECTION.
6. INSTALL 4" PVC C900 FIRE SERVICE LATERAL IN ACCORDANCE WITH DETAILS B, C, D, E, & F, SHEET 6 AND DETAIL C, SHEET 7. (FINAL SIZE TO BE DETERMINED BY FIRE PROTECTION DESIGNER)
7. INSTALL 4" DOUBLE DETECTOR CHECK ASSEMBLY WITH FIRE DEPARTMENT CONNECTION (FDC), (FINAL SIZE TO BE DETERMINED BY FIRE PROTECTION DESIGNER) IN ACCORDANCE WITH DETAILS G & H, SHEET 6. A
8. APPLY TWO–COAT PAVEMENT MARKING, WHITE 4" STRIPE IN ACCORDANCE WITH DETAILS I & L, SHEET 6.
9. APPLY TWO–COAT PAVEMENT MARKING, BLUE 4" STRIPE IN ACCORDANCE WITH DETAIL L, SHEET 6.
10. APPLY TWO–COAT PAVEMENT MARKING, WHITE ARROW. MINIMUM DIMENSIONS AS SHOWN.
11. APPLY TWO–COAT PAVEMENT MARKING, BLUE ISA MARKING IN ACCORDANCE WITH DETAIL L, SHEET 6.
12. APPLY TWO–COAT PAVEMENT MARKING, WHITE "NO PARKING" IN ACCORDANCE WITH DETAIL L, SHEET 6.
13. REMOVE EXISTING SIGN. INSTALL NEW SIGN R99C (CA) IN ACCORDANCE WITH DETAIL J, SHEET 6.
14. REMOVE EXISTING SIGN. INSTALL NEW SIGN R100B (CA) IN ACCORDANCE WITH DETAIL K, SHEET 6
15. REFER TO DEMOLITION AND GRADING PLANS.
16. REFER TO MARKING PLANS.
17. INSTALL 10' X 8' GALVANIZED METAL SHED WITH LOCKABLE DOORS.
18. INSTALL TEMPORARY AIRPORT PERIMETER FENCE IN ACCORDANCE WITH DETAIL F, SHEET 7.
19. INSTALL DUCTILE IRON 90–DEGREE BEND WITH VERTICAL SPOOL RISER. TERMINATE 9" ABOVE FINISH GRADE WITH THREADED CAP.
20. INSTALL NEW ¾" REDUCED PRESSURE (RP) PRINCIPLE BACK FLOW PREVENTION ASSEMBLY IN ACCORDANCE WITH DETAIL G, A

LEGEND:

- EXISTING ASPHALT PAVEMENT
- EXISTING PCC FLATWORK
- EXISTING FLOW LINE
- SLURRY SEAL & CRACK FILL WORK AREA
- PROPOSED ASPHALT PAVEMENT
- PROPOSED PCC FLATWORK
- EXISTING BUILDING
- EXISTING FENCE
- EXISTING IMPROVEMENT
- DEMOLITION
- WL — EXISTING WATER LINE
- W — EXISTING WATER SERVICE
- PROPOSED 4" WATER LINE
- PROPOSED 4" DOUBLE DETECTOR CHECK VALVE ASSEMBLY WITH FDC
- PROPOSED 4" WHITE STRIPE
- PROPOSED 4" WHITE STRIPE
- ISA MARKING
- TRUNCATED DOME PLATE
- PROPOSED WHITE ARROW MARKING
- EXISTING SIGN POST
- EXISTING FIRE HYDRANT
- PROPOSED 5" BOLLARD
- RISER PIPE
- TEMPORARY CHAIN LINK FENCE
- NEW REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY A
- EXISTING GAS METER
- GAS — EXISTING GAS LINE
- E — E — EXISTING ELECTRICAL

SCALE BAR
0 5 10 20
1 inch = 10 ft.

UNDERGROUND SERVICE ALERT
DIAL 811
TWO WORKING DAYS BEFORE YOU DIG

IMPROVEMENT PLAN
U.S. CUSTOMS REHABILITATION

REV.	DESCRIPTION	DATE	APP.
A	ADDED NEW NON–FIRE SERVICE BACKFLOW PREVENTER MODIFIED SIZE OF FIRE SERVICE PIPE & APPURTENANCE UTILITIES LOCATION	02/14/2024	JAS

TARTAGLIA ENGINEERING

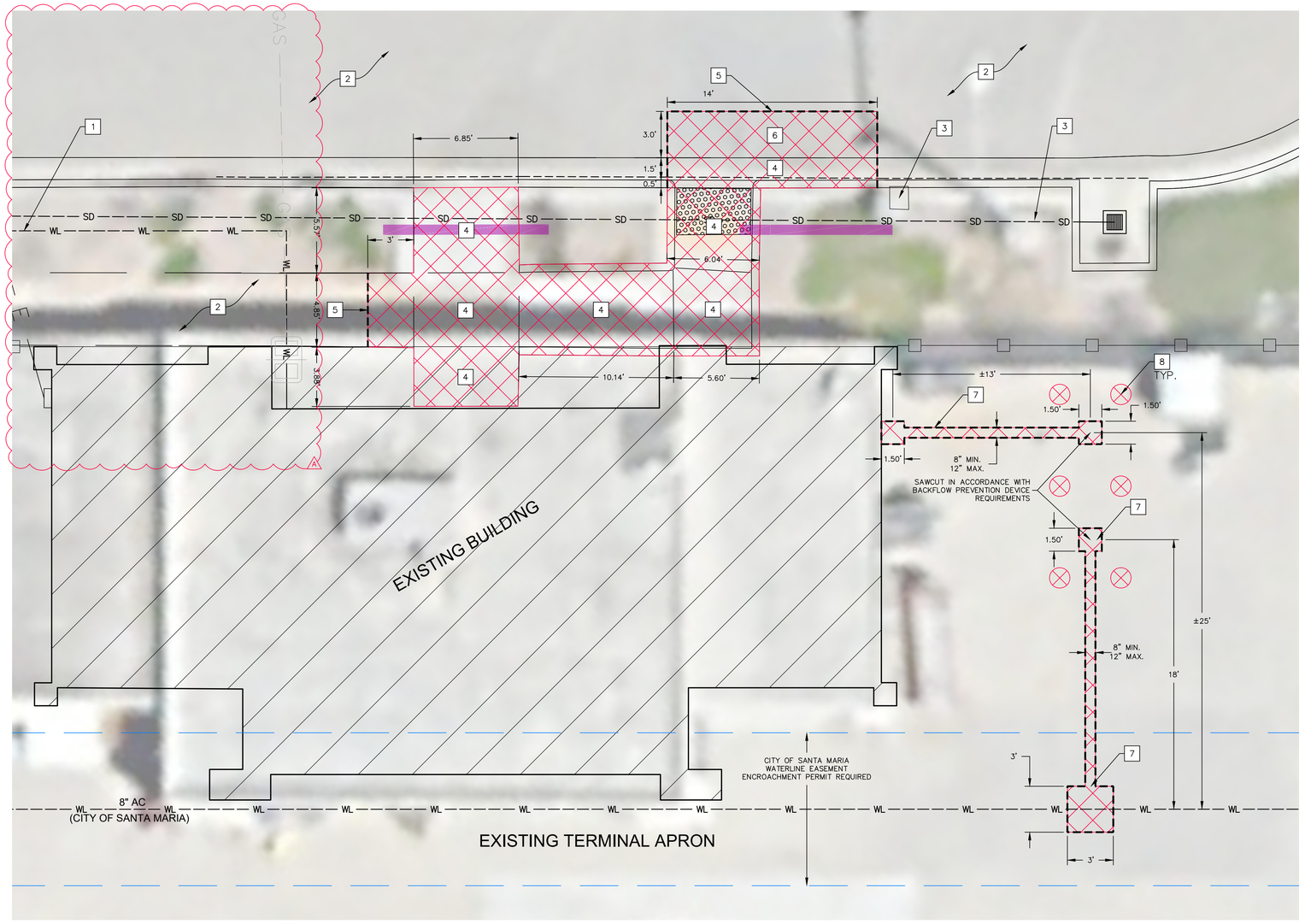
SANTA MARIA AIRPORT

U.S. CUSTOMS REHABILITATION

REGISTERED PROFESSIONAL ENGINEER — JOHN A. SMITH — No. 46852 — EXP. 6–30–25 — CIVIL — STATE OF CALIFORNIA

DESIGN	NJG
DRAWN	NJG
CHECKED	JAS
DWG.NO.	22–69
DATE	02/14/2024
SHEET	2 OF 7

PLOT DATE: 2/13/2024



DEMOLITION NOTES: (THIS SHEET)

1. EXISTING UTILITY, PROTECT–IN–PLACE.
2. EXISTING PAVEMENT (ASPHALT OR CONCRETE), PROTECT–IN–PLACE.
3. EXISTING IMPROVEMENT, PROTECT–IN–PLACE.
4. REMOVE PORTIONS OF CONCRETE SURFACE IMPROVEMENTS (I.E. CURB, GUTTER AND/OR SIDEWALK) TO THE NEAREST JOINT.
5. SAWCUT EXISTING ASPHALT SURFACE A MINIMUM OF 4–INCHES OR AS NECESSARY FOR A CLEAN UNIFORM BREAK. PROTECT VERTICAL EDGE UNTIL NEW IMPROVEMENTS ARE COMPLETE.
6. REMOVE PORTIONS OF EXISTING ASPHALT PAVEMENT.
7. SAWCUT AND REMOVE PORTIONS OF EXISTING CONCRETE PARKING AREA APRON.
8. CORE EXISTING CONCRETE PARKING AREA APRON 18" DIA. REFER TO DETAILS H & M, SHEET 6 FOR PLACEMENT.

LEGEND:

- EXISTING ASPHALT PAVEMENT
- EXISTING PCC FLATWORK
- EXISTING FLOW LINE
- SLURRY SEAL & CRACK FILL WORK AREA
- PROPOSED ASPHALT PAVEMENT
- PROPOSED PCC FLATWORK
- EXISTING BUILDING
- EXISTING FENCE
- EXISTING IMPROVEMENT
- DEMOLITION

SCALE BAR
0 2.0 4 8
1 inch = 4 ft.

UNDERGROUND SERVICE ALERT
811
DIAL 811
TWO WORKING DAYS BEFORE YOU DIG

DEMOLITION PLAN
U.S. CUSTOMS REHABILITATION

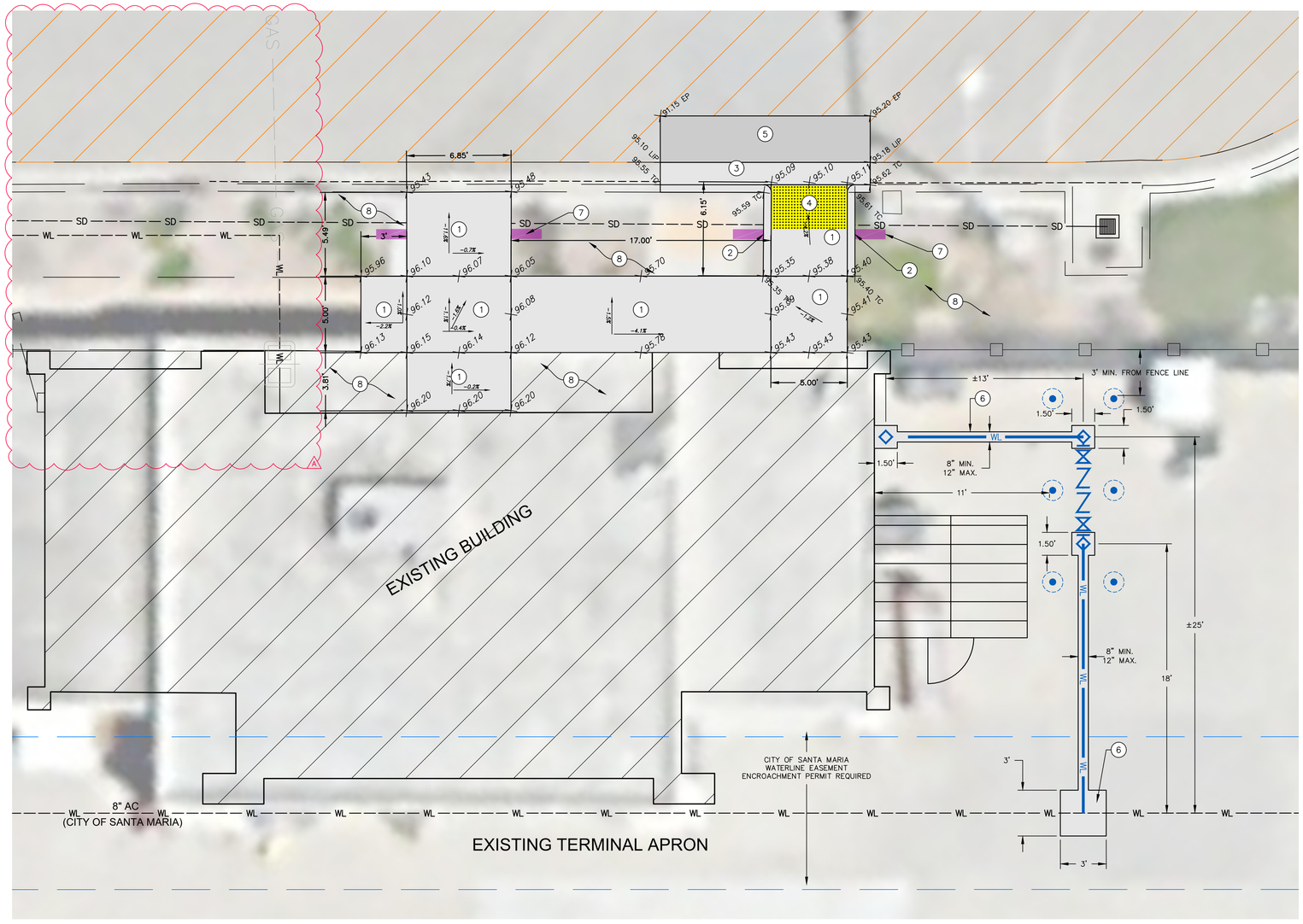
REV.	DESCRIPTION	DATE	APP.
1	ADDED NEW NON–FIRE SERVICE BACKFLOW PREVENTER MODIFIED SIZE OF FIRE SERVICE PIPE & APPURTENANCE UTILITIES LOCATION	02/14/2024	JAS

TARTAGLIA ENGINEERING
SANTA MARIA AIRPORT
U.S. CUSTOMS REHABILITATION

REGISTERED PROFESSIONAL ENGINEER
JOHN A. SMITH
No. 46852
EXP. 6–30–25
CIVIL
STATE OF CALIFORNIA

DESIGN	NJG
DRAWN	NJG
CHECKED	JAS
DWG.NO.	22–69
DATE	01/16/2024
SHEET	3 OF 7

PLOT DATE: 1/15/2024



ⓐ *IMPROVEMENT NOTES: (THIS SHEET)*

1. INSTALL PCC SIDEWALK IN ACCORDANCE WITH GRADES SHOWN AND DETAIL A, SHEET 6 AND DETAIL B, SHEET 7.
2. INSTALL VARIABLE PCC CURB IN ACCORDANCE WITH GRADES SHOWN AND DETAIL A, SHEET 6.
3. INSTALL PCC GUTTER IN ACCORDANCE WITH DETAIL A, SHEET 6.
4. INSTALL TRUNCATED DOME DETECTABLE WARNING SURFACE IN ACCORDANCE WITH DETAIL L, SHEET 6 AND DETAIL A, SHEET 7.
5. INSTALL ASPHALT PAVEMENT.
6. RECONSTRUCT PCC APRON IN ACCORDANCE WITH DETAIL B, SHEET 6, AND DETAIL C, SHEET 7.
7. INSTALL 4" DIAMETER SCHEDULE 40 PVC PIPE 4" MIN. BELOW BOTTOM OF PCC IMPROVEMENT. EXTEND 6" BOTH DIRECTIONS BEYOND EDGE OF PCC IMPROVEMENT. SECURE CAPS (NO-GLUE) ON EACH END AND DESIGNATE ENDS WITH WOODEN STAKES 6" MIN. ABOVE FINISH GRADE.
8. HAND GRADE AND DRESS LANDSCAPE ADJACENT TO PCC IMPROVEMENT.

LEGEND:

- EXISTING ASPHALT PAVEMENT
- EXISTING PCC FLATWORK
- EXISTING FLOW LINE
- SLURRY SEAL & CRACK FILL WORK AREA
- PROPOSED ASPHALT PAVEMENT
- PROPOSED PCC FLATWORK
- EXISTING BUILDING
- EXISTING FENCE
- EXISTING IMPROVEMENT
- DEMOLITION
- IRRIGATION PIPE SLEEVE

SCALE BAR

0 # # #

1 inch = # ft.

UNDERGROUND SERVICE ALERT

811

DIAL 811

TWO WORKING DAYS BEFORE YOU DIG

GRADING PLAN

U.S. CUSTOMS REHABILITATION

REV.	DESCRIPTION	DATE	APP.
1	ADDED NEW NON-FIRE SERVICE BACKFLOW PREVENTER MODIFIED SIZE OF FIRE SERVICE PIPE & APPURTENANCE. UTILITIES LOCATION	02/14/2024	JAS

TARTAGLIA ENGINEERING

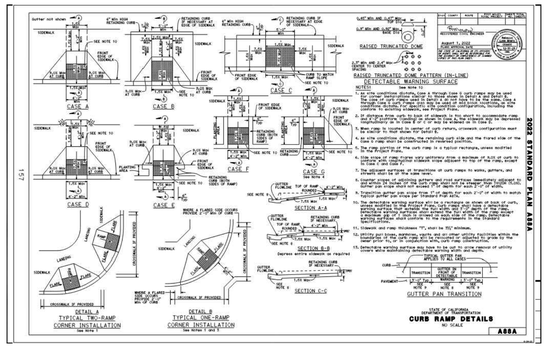
SANTA MARIA AIRPORT

U.S. CUSTOMS REHABILITATION

REGISTERED PROFESSIONAL ENGINEER JOHN A. SMITH No. 46852 EXP. 6-30-25 CIVIL STATE OF CALIFORNIA

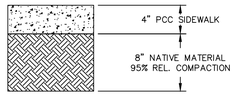
DESIGN	NJG
DRAWN	NJG
CHECKED	JAS
DWG.NO.	22-69
DATE	01/16/2024
SHEET	4 of 7

PLOT DATE=2/13/2024



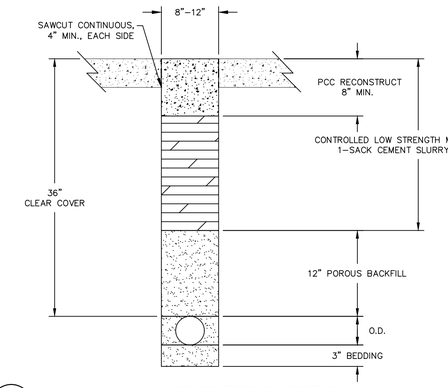
A/7 *CURB RAMP DETAILS*

NTS



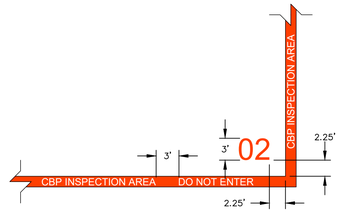
B/7 *SIDEWALK/RAMP TYPICAL SECTION*

NTS



C/7 *APRON TYPICAL SECTION*

NTS

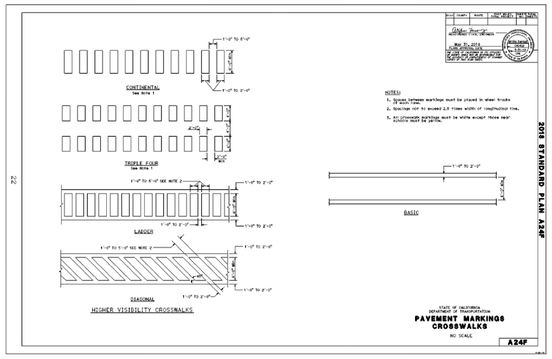


NOTES:

1. STRIPE SHALL BE 18" HIGH, ORANGE, WITH REFLECTIVE MEDIA.
2. TEXT SHALL BE 12" HIGH, CENTERED, WHITE, WITHOUT REFLECTIVE MEDIA. MESSAGE SHALL REPEAT EVERY 40 FEET.
3. "DO NOT ENTER" SHALL BE SPACED 3 FEET FROM THE LEFT OF "CBP INSPECTION AREA".

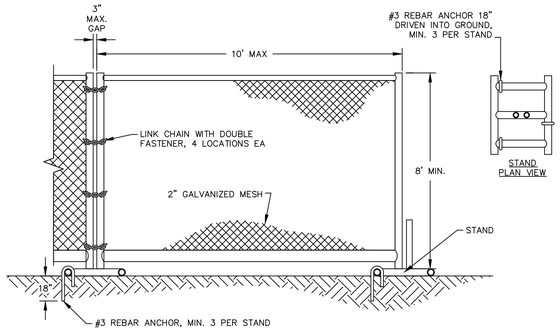
D/7 *"CBP INPECTION AREA DO NOT ENTER" PAVEMENT MARKING*

NTS



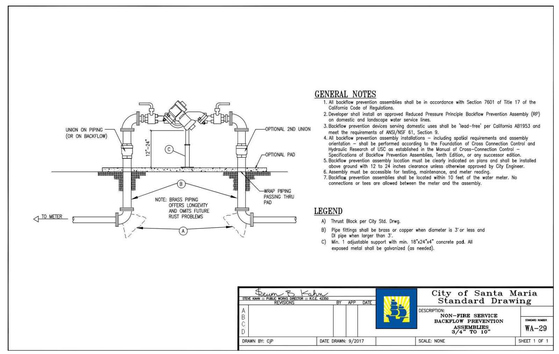
E/7 *CROSSWAKLK PAVEMENT MARKINGS*

NTS



F/7 *TYPICAL TEMPORARY FENCE PANEL*

NTS



G/7 *NON–FIRE SERVICE BACKFLOW PREVENTION ASSEMBLIES ¾" TO 10"*

NTS

UNDERGROUND SERVICE ALERT

DIAL 811

TWO WORKING DAYS BEFORE YOU DIG

DETAILS

MARKING, WATERWORKS, & IMPROVEMENTS

REV.	DESCRIPTION	DATE	APP.
1	ADDED NEW NON–FIRE SERVICE BACKFLOW PREVENTER MODIFIED SIZE OF FIRE SERVICE PIPE & APPURTENANCE UTILITIES LOCATION	02/14/2024	JAS

TARTAGLIA ENGINEERING

SANTA MARIA AIRPORT

U.S. CUSTOMS REHABILITATION

REGISTERED PROFESSIONAL ENGINEER JOHN A. SMITH No. 46852 EXP. 6–30–25 CIVIL STATE OF CALIFORNIA

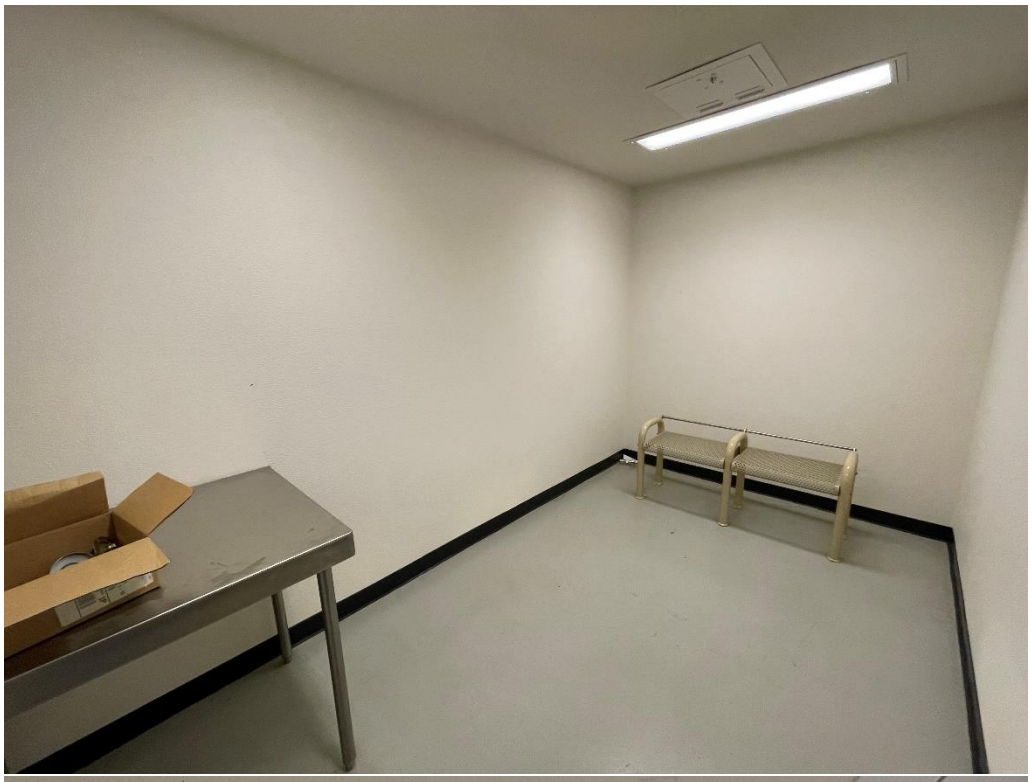
DESIGN NJG
DRAWN NJG
CHECKED JAS
DWG.NO. 22–69
DATE 01/16/2024
SHEET 7 OF 7

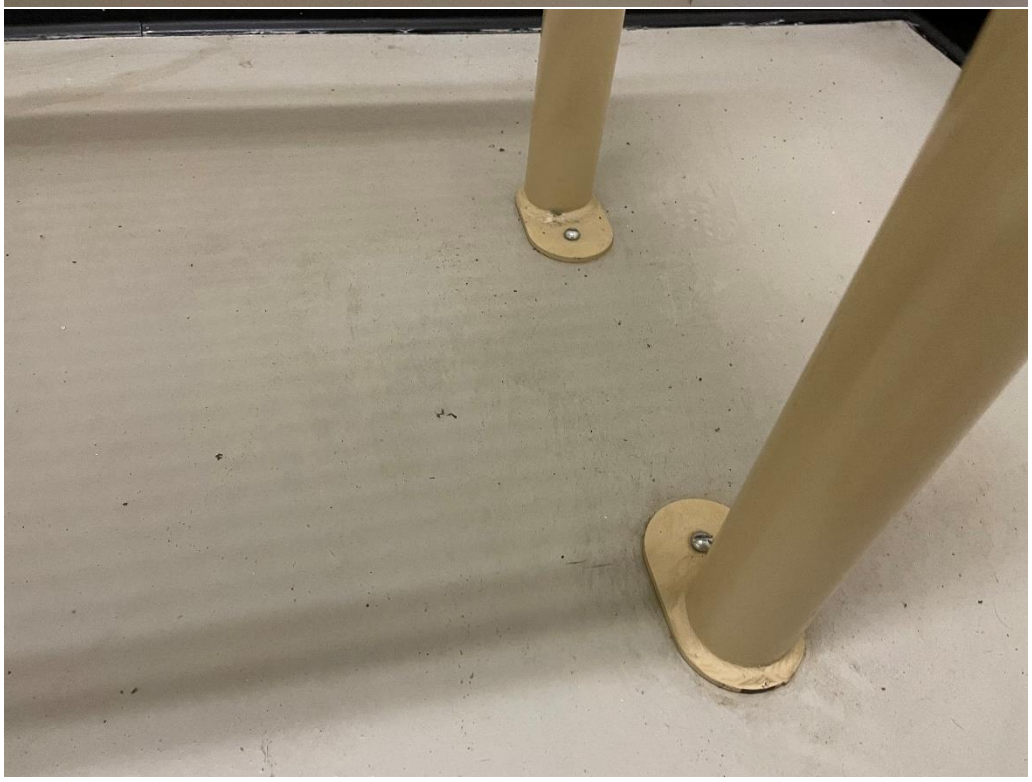
PLOT DATE: 2/12/2024

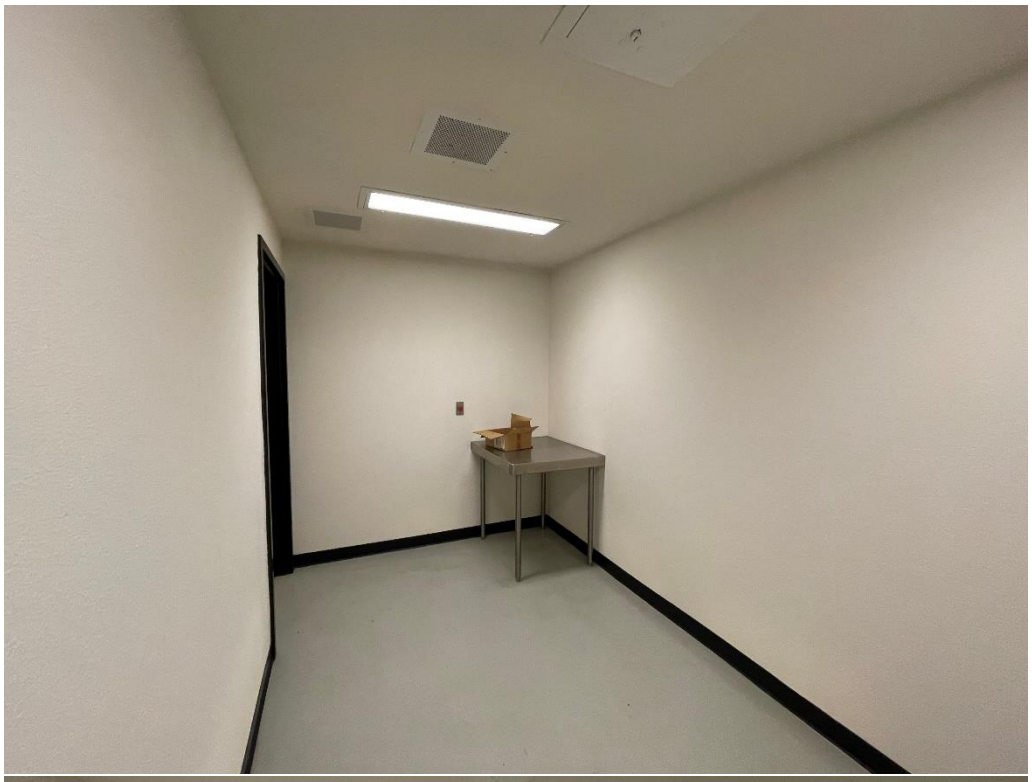
ATTACHMENT B
PHOTOS OF SEARCH ROOM

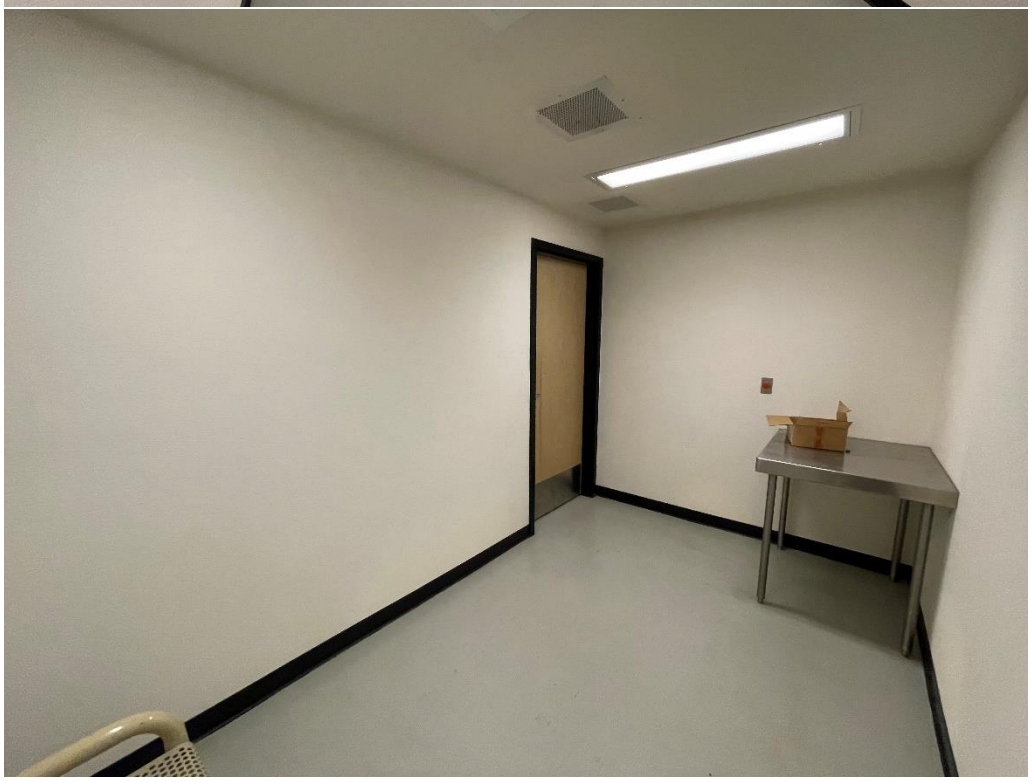

BANKERS BOX
33250

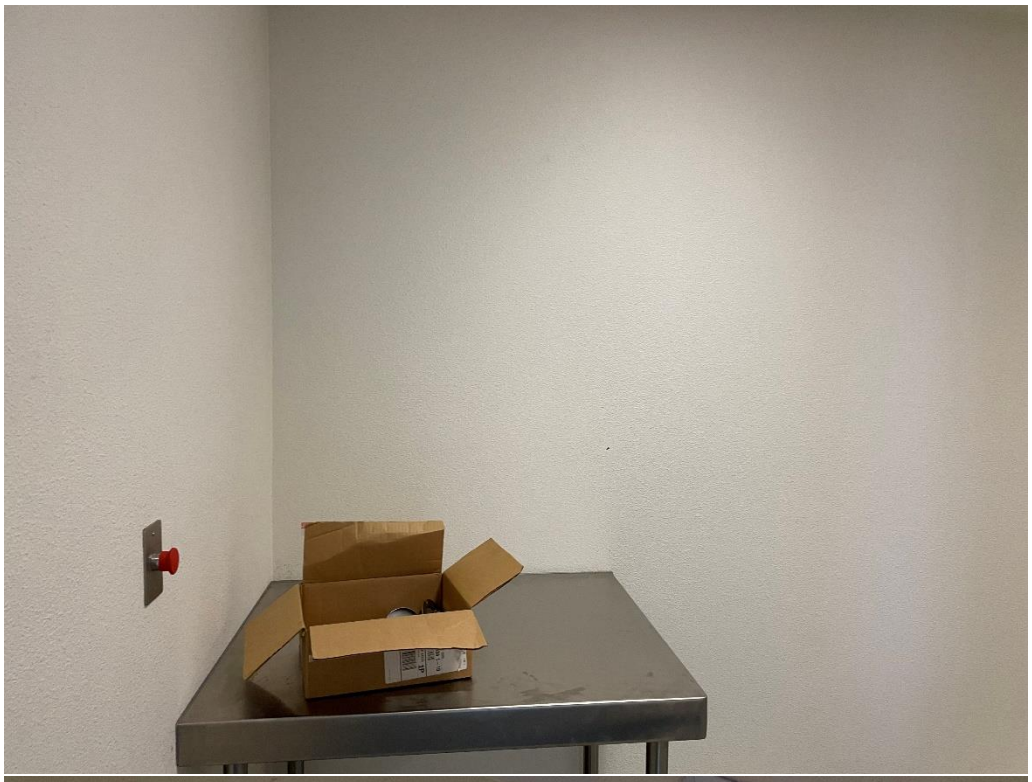

33250
33250

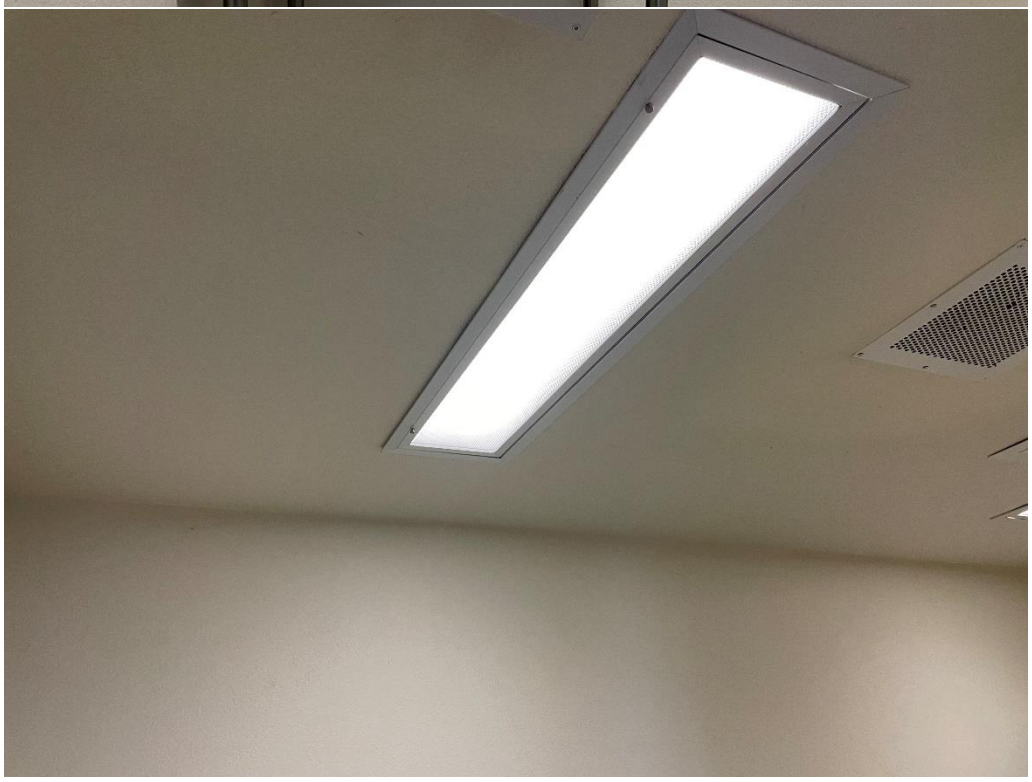


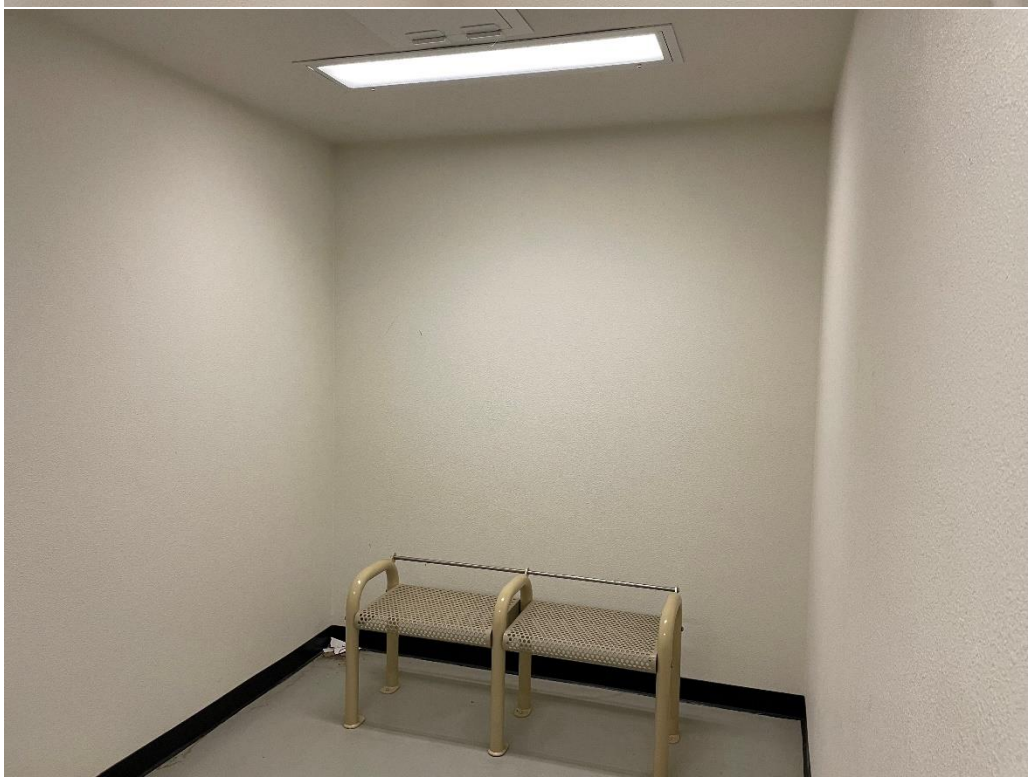


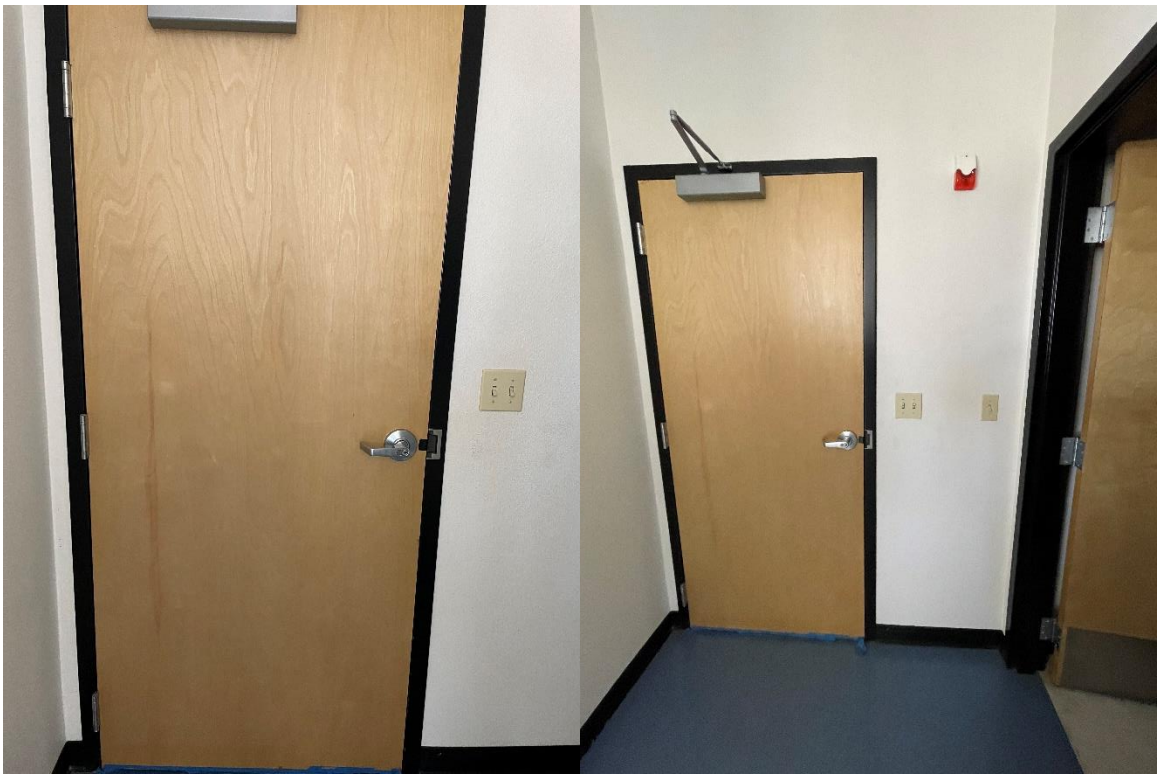












ATTACHMENT C
REVISED TECHNICAL SPECIFICATIONS PART – 3
Updated Specifications Table of Contents

Division	Section Title

SPECIFICATIONS

General Requirements Subgroup

General Building Construction Subgroup

Facility Services Subgroup

SECTION 093000 - TILING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Ceramic tile.
2. Stone thresholds.
3. Waterproof membrane.
4. Crack isolation membrane.
5. Tile backing panels.
6. Metal edge strips.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Samples:

1. Each type and composition of tile and for each color and finish required.
2. Assembled samples, with grouted joints, for each type and composition of tile and for each color and finish required.
3. Stone thresholds in 6-inch (150-mm) lengths.

1.3 QUALITY ASSURANCE

A. Source Limitations for Tile: Obtain all tile of same type and color or finish from one source or producer

B. Source Limitations for Setting and Grouting Materials: Obtain ingredients of a uniform quality for each mortar, adhesive, and grout component from a single manufacturer and each aggregate from one source or producer.

1.4 EXTRA MATERIALS

A. Furnish extra materials that match and are from same production runs as products installed and that are packaged with protective covering and identified with labels describing contents.

1. Tile and Trim Units: **Furnish quantity of full-size units equal to 3 percent of amount installed for each type, composition, color, pattern, and size indicated.**

PART 2 - PRODUCTS

2.1 TILE PRODUCTS

A. Ceramic Tile Type: Unglazed square-edged quarry tile.

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:

    a. Daltile.
    b. Other manufacturer approved by owner

2. Face Size: per plan

3. Thickness: manufacturers standard.
4. Wearing Surface: Aggregate embedded in surface.
5. Dynamic Coefficient of Friction: Not less than 0.42.
6. Finish: Mat, opaque.
7. Tile Color and Pattern: Per plans or as selected by Architect from manufacturer's full range for substitution.
8. Grout Color: As selected by Architect from manufacturer's full range
9. Trim Units: Coordinated with sizes and coursing of adjoining flat tile where applicable and matching characteristics of adjoining flat tile. Provide shapes as follows, selected from manufacturer's standard shapes:

    a. Base: Coved with surface bullnose top edge, face size 6 by12 inches.
    b. Provide all shapes indicated on plans to complete the details.

2.2 THRESHOLDS

A. General: Fabricate to sizes and profiles indicated or required to provide transition between adjacent floor finishes.

1. Bevel edges at 1:2 slope, aligning lower edge of bevel with adjacent floor finish. Limit height of bevel to 1/2 inch (12.7 mm) or less, and finish bevel to match face of threshold.

B. Marble Thresholds: ASTM C 503, with a minimum abrasion resistance of **12** per ASTM C 1353 or ASTM C 241 and with honed finish.

1. Description: Uniform, fine- to medium-grained white stone with gray veining.

2.3 WATERPROOF MEMBRANE

A. General: Manufacturer's standard product that complies with ANSI A118.10 and is recommended by the manufacturer for the application indicated.

B. Fluid-Applied Membrane: Liquid-latex rubber or elastomeric polymer.

1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:

a. Boiardi Products, a QEP company; Elastiment 644 Membrane Waterproofing System.
b. Bonsal American, an Oldcastle company; B 6000 Waterproof Membrane.
c. Bostik, Inc.; Durabond D-222 Duraguard Membrane.
d. C-Cure; Pro-Red Waterproofing Membrane 63.
e. Custom Building Products; Redgard Waterproofing and Crack Prevention Membrane.
f. Jamo Inc.; Waterproof.
g. Laticrete International, Inc.; Latapoxy 24hr HydroProofing.
h. MAPEI Corporation; Mapelastic HPG.
i. Southern Grouts & Mortars, Inc.; Southcrete 1100 Crack Suppression and Waterproofing.
j. TEC, a subsidiary of H. B. Fuller Company; HydraFlex - Waterproofing Crack Isolation Membrane.

2.4 SETTING MATERIALS

A. Portland Cement Mortar (Thickset) Installation Materials: ANSI A108.02.

B. Organic Adhesive: ANSI A136.1, Type I**,** with a VOC content of 65 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

a. Bonsal American; an Oldcastle company.
b. Bostik, Inc.
c. C-Cure.
d. Custom Building Products.
e. DAP Inc.
f. Jamo Inc.
g. Laticrete International, Inc.
h. MAPEI Corporation.
i. Southern Grouts & Mortars, Inc.
j. Summitville Tiles, Inc.
k. TEC; a subsidiary of H. B. Fuller Company.

2.5 GROUT MATERIALS

A. Water-Cleanable Epoxy Grout: ANSI A118.3, with a VOC content of 65 g/L or less.

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:

    a. Bonsal American, an Oldcastle company.
    b. Jamo Inc.
    c. MAPEI Corporation.
    d. Summitville Tiles, Inc.

2. Provide product capable of withstanding continuous and intermittent exposure to temperatures of up to 140 and 212 deg F, respectively, and certified by manufacturer for intended use.

2.6 ELASTOMERIC SEALANTS

A. General: Provide sealants, primers, backer rods, and other sealant accessories that comply with the following requirements and with the applicable requirements in Division 07 Section "Joint Sealants."

1. Use sealants that have a VOC content of **250**g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

B. One-Part, Mildew-Resistant Silicone Sealant: ASTM C 920; Type S; Grade NS; Class 25; Uses NT, G, A, and, as applicable to nonporous joint substrates indicated, O; formulated with fungicide, intended for sealing interior ceramic tile joints and other nonporous substrates that are subject to in-service exposures of high humidity and extreme temperatures.

1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:

    a. DAP Inc.; 100 percent Silicone Kitchen and Bath Sealant.
    b. Dow Corning Corporation; Dow Corning 786.
    c. GE Silicones, a division of GE Specialty Materials; Sanitary 1700.
    d. Laticrete International, Inc.; Latasil Tile & Stone Sealant.
    e. Pecora Corporation; Pecora 898 Sanitary Silicone Sealant.
    f. Tremco Incorporated; Tremsil 600 White.

C. Multipart, Pourable Urethane Sealant for Use T: ASTM C 920; Type M; Grade P; Class 25; Uses T, M, A, and, as applicable to joint substrates indicated, O.

1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:

    a. Bostik, Inc.; Chem-Calk 550.
    b. Degussa Building Systems; Sonneborn Sonolastic SL 2.
    c. Pecora Corporation.
    d. Sika Corporation; Sikaflex-2c SL.
    e. Tremco Incorporated.

2.7 MISCELLANEOUS MATERIALS

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions where tile will be installed, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of installed tile.

1. Verify that substrates for setting tile are firm, dry, clean, free of coatings that are incompatible with tile-setting materials including curing compounds and other substances that contain soap, wax, oil, or silicone; and comply with flatness tolerances required by ANSI A108.01 for installations indicated.

3.2 PREPARATION

A. Where indicated, prepare substrates to receive waterproofing by applying a reinforced mortar bed that complies with ANSI A108.1A.

B. Blending: For tile exhibiting color variations, use factory blended tile or blend tiles at Project site before installing.

C. Field-Applied Temporary Protective Coating: If indicated under tile type or needed to prevent grout from staining or adhering to exposed tile surfaces, precoat them with continuous film of temporary protective coating, taking care not to coat unexposed tile surfaces.

3.3 INSTALLATION

A. Comply with TCA's "Handbook for Ceramic Tile Installation" for TCA installation methods specified in tile installation schedules. Comply with parts of the ANSI A108 Series "Specifications for Installation of Ceramic Tile" that are referenced in TCA installation methods, specified in tile installation schedules, and apply to types of setting and grouting materials used.

1. For the following installations, follow procedures in the ANSI A108 Series of tile installation standards for providing 95 percent mortar coverage:
   a. Tile floors in wet areas.
   b. Tile floors composed of rib-backed tiles.

B. Extend tile work into recesses and under or behind equipment and fixtures to form complete covering without interruptions unless otherwise indicated. Terminate work neatly at obstructions, edges, and corners without disrupting pattern or joint alignments.

C. Accurately form intersections and returns. Perform cutting and drilling of tile without marring visible surfaces. Carefully grind cut edges of tile abutting trim, finish, or built-in items for

straight aligned joints. Fit tile closely to electrical outlets, piping, fixtures, and other penetrations so plates, collars, or covers overlap tile.

D. Jointing Pattern: Lay tile in grid pattern unless otherwise indicated. Lay out tile work and center tile fields in both directions in each space or on each wall area. Lay out tile work to minimize the use of pieces that are less than half of a tile. Provide uniform joint widths unless otherwise indicated.

E. Joint Widths: Unless otherwise indicated, install tile with the following joint widths:
1. Quarry Tile: **1/4 inch**

F. Lay out tile wainscots to dimensions indicated or to next full tile beyond dimensions indicated.

G. Expansion Joints: Provide expansion joints and other sealant-filled joints, including control, contraction, and isolation joints, where indicated. Form joints during installation of setting materials, mortar beds, and tile. Do not saw-cut joints after installing tiles.

1. Where joints occur in concrete substrates, locate joints in tile surfaces directly above them.
2. Prepare joints and apply sealants to comply with requirements in Division 07 Section "Joint Sealants."

H. Stone Thresholds: Install stone thresholds in same type of setting bed as adjacent floor unless otherwise indicated.

1. At locations where mortar bed (thickset) would otherwise be exposed above adjacent floor finishes, set thresholds in latex-portland cement mortar (thin set).

I. Grout Sealer: Apply grout sealer to cementitious grout joints in tile floors according to grout-sealer manufacturer's written instructions. As soon as grout sealer has penetrated grout joints, remove excess sealer and sealer from tile faces by wiping with soft cloth.

J. Install waterproofing to comply with ANSI A108.13 and manufacturer's written instructions to produce waterproof membrane of uniform thickness and bonded securely to substrate.

K. Install crack isolation membrane to comply with ANSI A108.17 and manufacturer's written instructions to produce membrane of uniform thickness and bonded securely to substrate.

3.4 INTERIOR TILE INSTALLATION SCHEDULE

A. Interior Floor Installations, Concrete Subfloor:

1. Ceramic Floor Tile Installation: TCNA F114-02 and ANSI A108.1A ANSI A108.1B, ANSI A108.1C; epoxy grout.

a. Ceramic Tile Type: Per Plan
b. Bond Coat for Cured-Bed Method: Medium-bed, latex- portland cement mortar.
c. Grout: Water-cleanable epoxy grout, ANSI A118.3.
d. Mortar Bed, reinforcing and cleavage ANSI A108.1A.

2. Grout: Water-cleanable epoxy grout.

.

END OF SECTION 093000

SECTION 095113 - ACOUSTICAL PANEL CEILINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes acoustical panels and exposed suspension systems for ceilings.

B. Products furnished, but not installed under this Section, include anchors, clips, and other ceiling attachment devices to be cast in concrete.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1.4 REFERENCES

A. CBC 2013;

1. 808.1.1.1 Suspended acoustical ceiling systems shall be installed in accordance with the provisions of ASTM C 635 and ASTM C 636. C.
2. 808.1.1.2 Fire-resistance-rated construction. Acoustical ceiling systems that are part of fire-resistance-rated construction shall be installed in the same manner used in the assembly tested, and shall comply with the provisions of Chapter 7.

1.5 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Samples: For each exposed product and for each color and texture specified, 6 inches in size.

1. Acoustical Panel: Set of 6-inch-square Samples of each type, color, pattern, and texture.
2. Exposed Suspension-System Members, Moldings, and Trim: Set of 6-inch-long Samples of each type, finish, and color.

1.6 INFORMATIONAL SUBMITTALS

A. Coordination Drawings: Reflected ceiling plans, drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of the items involved:

1. Suspended ceiling components.
2. Structural members to which suspension systems will be attached.
3. Size and location of initial access modules for acoustical panels.
4. Items penetrating finished ceiling including the following:

    a. Lighting fixtures.
    b. Air outlets and inlets.
    c. Smoke detectors.
    d. Sprinklers.
    e. Access panels.

5. Perimeter moldings.

B. Qualification Data: For testing agency.

C. Product Test Reports: For each acoustical panel ceiling, for tests performed by manufacturer and witnessed by a qualified testing agency.

D. Evaluation Reports: For each acoustical panel ceiling suspension system and anchor and fastener type, from ICC-ES.

E. Field quality-control reports.

1.7 CLOSEOUT SUBMITTALS

A. Maintenance Data: For finishes to include in maintenance manuals.

1.8 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Acoustical Ceiling Panels: Full-size panels equal to 2 percent of quantity installed.
2. Suspension-System Components: Quantity of each exposed component equal to 2 percent of quantity installed.

1.9 QUALITY ASSURANCE

A. Testing Agency Qualifications: Qualified according to NVLAP for testing indicated.

1.10 DELIVERY, STORAGE, AND HANDLING

A. Deliver acoustical panels, suspension-system components, and accessories to Project site in original, unopened packages and store them in a fully enclosed, conditioned space where they will be protected against damage from moisture, humidity, temperature extremes, direct sunlight, surface contamination, and other causes.

B. Before installing acoustical panels, permit them to reach room temperature and a stabilized moisture content.

C. Handle acoustical panels carefully to avoid chipping edges or damaging units in any way.

1.11 FIELD CONDITIONS

A. Environmental Limitations: Do not install acoustical panel ceilings until spaces are enclosed and weatherproof, wet work in spaces is complete and dry, work above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Seismic Performance: Acoustical ceiling shall withstand the effects of earthquake motions determined according to ASCE/SEI 7.

B. Surface-Burning Characteristics: Comply with ASTM E 84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

1. Flame-Spread Index: Comply with ASTM E 1264 for Class A materials.
2. Smoke-Developed Index: 50 or less.

C. Fire-Resistance Ratings: Comply with ASTM E 119; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

1. Indicate design designations from UL's "Fire Resistance Directory" or from the listings of another qualified testing agency.

2.2 ACOUSTICAL PANELS, GENERAL

A. Basis of Design: Provide heavy duty 15/16 grid and tile; per plans.

B. Other products meeting the design criteria and as approved by the Owner.

C. Glass-Fiber-Based Panels: Made with binder containing no urea formaldehyde.

D. Source Limitations: Obtain each type of acoustical ceiling panel and supporting suspension system from single source from single manufacturer.

E. Acoustical Panel Standard: Provide manufacturer's standard panels of configuration indicated that comply with ASTM E 1264 classifications as designated by types, patterns, acoustical ratings, and light reflectances unless otherwise indicated.

1. Mounting Method for Measuring NRC: Type E-400; plenum mounting in which face of test specimen is 15-3/4 inches away from test surface according to ASTM E 795.

F. Acoustical Panel Colors and Patterns: Match appearance characteristics indicated for each product type.

1. Where appearance characteristics of acoustical panels are indicated by referencing pattern designations in ASTM E 1264 and not manufacturers' proprietary product designations, provide products selected by Architect from each manufacturer's full range that comply with requirements indicated for type, pattern, color, light reflectance, acoustical performance, edge detail, and size.

2.3 ACOUSTICAL PANELS

A. Manufacturer / Product: provide product indicated on the plans, or products meeting the design intent as shown on the plans.

B. Classification: Provide panels complying with ASTM E 1264 for type, form, and pattern as follows; factory applied latex paint:

1. Type and Form: Type III, mineral-fiber base; Form 2.
2. Pattern: C D.

C. Color: White.

D. LR: Not less than 0.90.

E. NRC: Not less than 0.95.

F. AC: Not less than 190.

G. Edge/Joint Detail: Square.

H. Thickness: 1 inch.

I. Modular Size: 24 by 24 inches.

2.4 METAL SUSPENSION SYSTEMS, GENERAL

A. Metal Suspension-System Standard: Provide manufacturer's standard direct-hung metal suspension systems of types, structural classifications, and finishes indicated that comply with applicable requirements in ASTM C 635/C 635M.

B. Attachment Devices: Size for five times the design load indicated in ASTM C 635/C 635M, Table 1, "Direct Hung," unless otherwise indicated. Comply with seismic design requirements.

C. Wire Hangers, Braces, and Ties: Provide wires complying with the following requirements:

1. Zinc-Coated, Carbon-Steel Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper.
2. Size: Select wire diameter so its stress at three times hanger design load (ASTM C 635/C 635M, Table 1, "Direct Hung") will be less than yield stress of wire, but provide not less than 0.106-inch-diameter wire.

D. Angle Hangers: Angles with legs not less than 7/8 inch wide; formed with 0.04-inch-thick, galvanized-steel sheet complying with ASTM A 653/A 653M, G90 coating designation; with bolted connections and 5/16-inch-diameter bolts.

E. Seismic Stabilizer Bars: Manufacturer's standard perimeter stabilizers designed to accommodate seismic forces.

F. Seismic Struts: Manufacturer's standard compression struts designed to accommodate seismic forces.

G. Seismic Clips: Manufacturer's standard seismic clips designed and spaced to secure acoustical panels in place.

2.5 METAL SUSPENSION SYSTEM

A. Narrow-Face, Capped, Double-Web, Steel Suspension System: Main and cross runners roll formed from cold-rolled steel sheet; prepainted, electrolytically zinc coated, or hot-dip galvanized according to ASTM A 653/A 653M, not less than G30 coating designation; with prefinished 15/16-inch-wide metal caps on flanges.

1. Structural Classification: Heavy-duty system.
2. End Condition of Cross Runners: butt-edge type.
3. Face Design: Flat, flush.
4. Cap Material: Steel cold-rolled sheet.
5. Cap Finish: Painted white.

2.6 METAL EDGE MOLDINGS AND TRIM

A. Roll-Formed, Sheet-Metal Edge Moldings and Trim: Type and profile indicated or, if not indicated, manufacturer's standard moldings for edges and penetrations that comply with

seismic design requirements; formed from sheet metal of same material, finish, and color as that used for exposed flanges of suspension-system runners.

1. Provide manufacturer's standard edge moldings that fit acoustical panel edge details and suspension systems indicated and that match width and configuration of exposed runners unless otherwise indicated.
2. For lay-in panels with reveal edge details, provide stepped edge molding that forms reveal of same depth and width as that formed between edge of panel and flange at exposed suspension member.
3. For circular penetrations of ceiling, provide edge moldings fabricated to diameter required to fit penetration exactly.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, including structural framing to which acoustical panel ceilings attach or abut, with Installer present, for compliance with requirements specified in this and other Sections that affect ceiling installation and anchorage and with requirements for installation tolerances and other conditions affecting performance of acoustical panel ceilings.

B. Examine acoustical panels before installation. Reject acoustical panels that are wet, moisture damaged, or mold damaged.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Measure each ceiling area and establish layout of acoustical panels to balance border widths at opposite edges of each ceiling. Avoid using less-than-half-width panels at borders, and comply with layout shown on reflected ceiling plans.

3.3 INSTALLATION

A. General: Install acoustical panel ceilings to comply with ASTM C 636/C 636M and seismic design requirements indicated, according to manufacturer's written instructions and CISCA's "Ceiling Systems Handbook."

B. Suspend ceiling hangers from building's structural members and as follows:

1. Install hangers plumb and free from contact with insulation or other objects within ceiling plenum that are not part of supporting structure or of ceiling suspension system.
2. Splay hangers only where required to miss obstructions; offset resulting horizontal forces by bracing, countersplaying, or other equally effective means.

3. Where width of ducts and other construction within ceiling plenum produces hanger spacings that interfere with location of hangers at spacings required to support standard suspension-system members, install supplemental suspension members and hangers in form of trapezes or equivalent devices.
4. Do not support ceilings directly from permanent metal forms or floor deck. Fasten hangers to cast-in-place hanger inserts, postinstalled mechanical or adhesive anchors, or power-actuated fasteners that extend through forms into concrete.
5. When steel framing does not permit installation of hanger wires at spacing required, install carrying channels or other supplemental support for attachment of hanger wires.
6. Do not attach hangers to steel deck tabs.
7. Do not attach hangers to steel roof deck. Attach hangers to structural members.
8. Space hangers not more than 48 inches o.c. along each member supported directly from hangers unless otherwise indicated; provide hangers not more than 8 inches from ends of each member.
9. Size supplemental suspension members and hangers to support ceiling loads within performance limits established by referenced standards and publications.

C. Secure bracing wires to ceiling suspension members and to supports with a minimum of four tight turns. Suspend bracing from building's structural members as required for hangers, without attaching to permanent metal forms, steel deck, or steel deck tabs. Fasten bracing wires into concrete with cast-in-place or postinstalled anchors.

D. Install edge moldings and trim of type indicated at perimeter of acoustical ceiling area and where necessary to conceal edges of acoustical panels.

1. Screw attach moldings to substrate at intervals not more than 16 inches o.c. and not more than 3 inches from ends, leveling with ceiling suspension system to a tolerance of 1/8 inch in 12 feet. Miter corners accurately and connect securely.
2. Do not use exposed fasteners, including pop rivets, on moldings and trim.

E. Install suspension-system runners so they are square and securely interlocked with one another. Remove and replace dented, bent, or kinked members.

F. Install acoustical panels with undamaged edges and fit accurately into suspension-system runners and edge moldings. Scribe and cut panels at borders and penetrations to provide a neat, precise fit.

1. Arrange directionally patterned acoustical panels as follows:

   a. As indicated on reflected ceiling plans.

2. For square-edged panels, install panels with edges fully hidden from view by flanges of suspension-system runners and moldings.

3.4 FIELD QUALITY CONTROL

A. Special Inspections: Owner will engage a qualified special inspector to perform the following special inspections:

1. Compliance of seismic design.

B. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections and prepare test reports.

   a. Within each test area, testing agency will select one of every 10 power-actuated fasteners and post-installed anchors used to attach hangers to concrete and will test them for 200 lbf of tension; it will also select one of every two post-installed anchors used to attach bracing wires to concrete and will test them for 440 lbf of tension.
   b. When testing discovers fasteners and anchors that do not comply with requirements, testing agency will test those anchors not previously tested until 20 pass consecutively and then will resume initial testing frequency.

C. Acoustical panel ceiling hangers and anchors and fasteners will be considered defective if they do not pass tests and inspections.

D. Prepare test and inspection reports.

3.5 CLEANING

A. Clean exposed surfaces of acoustical panel ceilings, including trim, edge moldings, and suspension-system members. Comply with manufacturer's written instructions for cleaning and touchup of minor finish damage. Remove and replace ceiling components that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

END OF SECTION 095113

SECTION 095426 - SUSPENDED WOOD CEILINGS

PART 1 GENERAL

1.01 SUMMARY

A. Section includes
1. Suspension system for wood ceiling system
2. Wood ceiling system

1.02 RELATED SECTIONS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section

1.03 REFERENCES

A. ASTM A641: Standard Specification for Zinc Coated (Galvanized) Carbon Steel Wire
B. ASTM C423: Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
C. ASTM C635: Standard Specifications for Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings
D. ASTM C636: Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels
E. ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials
F. ASTM E580: Standard Practice for Application of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Requiring Seismic Restraint
G. ASTM E795 – *Practice for Mounting Test Specimens During Sound Absorption Tests*
H. CAN/ULC-S102 – *Method of Test for Surface Burning Characteristics of Building Materials and Assemblies*
I. AWI: Architectural Woodwork Quality Standards
J. CISCA: Ceiling Systems Handbook
K. CISCA: Wood Ceilings Technical Guidelines

1.04 QUALITY ASSURANCE

A. Single-Source Responsibility: Obtain wood components and products identified on this specification from a single manufacturer, with shop drawing capabilities and resources to provide products of consistent quality in appearance and physical properties without delaying the project.
B. Installer Qualification: Must be experienced in the installation of systems similar to those specified herein
C. Surface Burning Characteristics: Components tested per ASTM E84/ULC S102
D. Flame Spread: 25 or less (Class A)
E. Smoke Developed: 50 or less
F. Inspection: All work must pass inspection and approval of architect, as well as the local codes and regulations or authorities having jurisdiction.
G. Woodworking Standards: Manufacturer must comply with specified provisions of Architectural Woodworking Institute quality standards.
H. Design Criteria: Wood components shall be installed true and plumb to within manufacturing tolerance of ⅛” over 8’ long.

I. Environmental Standards: When required the solid wood, MDF/Particleboard and/or veneer used to produce the wood components shall originate from well managed forests as certified by organizations accredited by the Forestry Stewardship Council. Manufacturer shall demonstrate compliance by providing a Chain of Custody (COC) Number.

1.05 SUBMITTALS

A. Product Data: Submit manufacturer's data and installation details.
B. Shop Drawings: Submit shop drawings showing all areas involved, attachment conditions and perimeter conditions. AutoCAD files containing RCPs, elevations, details and all other relevant information shall be provided at no charge to the manufacturer to facilitate timely and accurate drawings.
C. Submittal Samples: Submit representative samples of each material that is to be exposed in the finished work, showing the full range of color and finish variations.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Material must be stored and installed only in a secured ambient environment (humidity minimum 25%, maximum 55%, temperature range 60°F to 80°F).
B. Windows, doors, HVAC and all wet work must be completed before unpacking and installation. Handle carefully to avoid damaging materials.
C. Store materials in original, unopened packages in a fully-enclosed space protected against damage from moisture, direct sunlight, surface contamination, pest infestations, and other damage hazards.
D. Prior to installation, acclimatize wood components for a minimum of 72 hours to stabilize moisture content and reach room temperature, per AWI standards.
E. Handle Acoustic Plank Wood Members carefully to avoid chipping edges or damaging units in any way.

1.07 COORDINATION

A. Coordinate the installation of the acoustic ceiling system with any and all trades whose work is impacted by that installation

1.08 EXTRA MATERIALS

A. Extra Materials: Furnish extra materials described below that match products installed, are packaged with protective covering for storage, and are identified with labels clearly describing contents.
   1. Wood Components: Furnish full-size components equal to 2.0 percent of amount installed.
   2. Suspension System Components: Furnish quantity of each component equal to 2.0 percent of amount installed.

1.09 WARRANTIES

A. Warranty Period:
   1. Wood components: Limited one (1) year from date of installation
   2. Suspension system: Limited ten (1) years from date of installation

PART 2 PRODUCTS

2.01 MANUFACTURER

A. CertainTeed Architectural or other meeting the design criteria and as approved by the Owner. (https://www.certainteed.com/ceilings-and-walls/)

2.02 SUSPENDED WOOD CEILINGS

A. Manufacturer: CertainTeed Architectural or other meeting the design criteria and as approved by the Owner.

B. Product (Basis of Design): Wood Ceiling Lay-in, Semi-Concealed Panels,
1. Species: Per Plans
2. Finish: Quartered and Rift Cut Veneer Per Plans
3. Substrate: Veneered Composite
4. Fire Class A per ASTM E84, CAN/ULC S102
5. Configuration: Unperforated (U1)
6. Installation/Edge Detail: 15/16 Reveal Edge Lay-in
7. Module Width (Nominal): *24”*
8. Module Length (Nominal: 24*”*
9. Acoustical Backer: yes

2.03 METAL SUSPENSION SYSTEMS

A. Manufacturer: CertainTeed Ceilings; heavy duty (HD) suspension system
B. See Specification Section 095113
C. Finish: Painted, color match to wood panel finish.

PART 3 EXECUTION

3.01 EXAMINATION

A. Ascertain acceptability of substrates and building conditions under which the ceiling system is to be installed. Do not proceed with the installation until any and all unacceptable conditions have been rectified.
B. Do not proceed with installation until unsatisfactory conditions including, but not limited to, wet work such as painting, plastering, or cementing have been completed.
C. Ensure HVAC system is operating, supply air and return air is filtered to remove particulates, the building is at the appropriate temperature and humidity, and the space is free from interior construction dust.

3.02 INSTALLATION

A. Install the ceiling system in accordance with the following:
1. Manufacturer’s printed instructions
2. ASTM C636
3. Ceilings & Interior Systems Construction Association (CISCA) recommendations
4. Applicable local code requirements
5. Approved shop drawings
B. See Specification Section 095113

3.03 CLEANING

A. Clean surfaces of wood components and suspension system members per manufacturer's instructions for cleaning. Follow manufacturer’s instructions for any touchup of minor finish damage. Remove and replace wood components that cannot cleaned and/or repaired.

3.04 INSPECTION

A. The Owner shall inspect the installation and product on completion. The manufacturer shall provide repair or replacement of components not conforming to requirements as stated herein and said work will then become bound by the terms of this specification.
B. Installation labor for removal and replacement of product improperly installed and not conforming to specified installation instructions as detailed in Part 1 and Part 2 and as shown on plans, shall be the responsibility of the installing Contractor.

C. Wood components are a real wood veneer or solid wood product. Every effort is made to maintain the overall appearance; however, natural variations in grain, texture, shade, and/or aging may occur in varying site conditions. For these reasons, the manufacturer cannot guarantee the exact matching of grain, pattern, and/or color.

END OF SECTION 095426