

Exhibit B

CODE REFERENCE

APPLICABLE CODES:
FLORIDA BUILDING CODE 2023 8th EDITION
(BUILDING, PLUMBING, FUEL & GAS, MECHANICAL & ACCESSIBILITY VOLUMES)
NEC 2020 NATIONAL ELECTRICAL CODE
FFPC 2020 7th EDITION
ASCE 7-22 EDITION

OCCUPANCY (FBC CHAPTER 3):
RESIDENTIAL - GROUP B - BUSINESS

TYPE OF CONSTRUCTION (FBC CHAPTER 6): TYPE IIIB (UNPROTECTED & SPRINKLERED)

GENERAL BUILDING LIMITATIONS (FBC TABLE 504.3^a, 504.4^{a, b}, & 506.2^{a, b}):

GROUP B	TYPE IIIB - UNPROTECTED & SPRINKLED ALLOWABLE:	PROVIDED:
MAX HEIGHT	75'-0"	UNDER 30'-0"
MAX STORIES	4	2
MAX AREA	76,000 PER FLOOR	AREA OF REMODEL: 3818 SF

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS-TABLE 601

BUILDING ELEMENT	TYPE IIIB
STRUCTURAL FRAME INCLUDING COLUMNS, GIRDERS, TRUSSES	0
BEARING WALLS, EXTERIOR	2
INTERIOR	0
NON-BEARING WALLS AND PARTITIONS EXTERIOR	0
NON-BEARING WALLS AND PARTITIONS INTERIOR	0
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	0
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	0

MEANS OF EGRESS (FBC CHAPTER 10) POPULATION/ OCCUPANCY LOAD (FROM FBC - TABLE 1004.5)

USE	AREA	AREA/PERSON	POPULATION
BUSINESS	BUSINESS AREA - 3,818 ACROSS SF OF REMODELED AREA	150 GROSS	26 PERSONS

MEANS OF EGRESS (FBC CHAPTER 10)

	BUSINESS		
OCCUPANCY CLASSIFICATION		REQUIRED	PROVIDED
MAXIMUM TRAVEL DISTANCE FBC - TABLE 1017.2		300'	285'
MAXIMUM DEAD-END CORRIDOR - FBC 1020.5		50'	N/A
TOTAL # OF EXITS - TABLE 1006.3.2 & 1022 - 1027		2	5
EGRESS WIDTH PER PERSON LEVEL - FBC 1005.3.1 & 1005.3.2		26x(0.2)=5.2"	237.5"
MINIMUM CORRIDOR AISLE WIDTH TABLE 1020.2		44"	60"
MINIMUM CLEAR OPENING OF EXIT DOORS - FBC 1010.1 - 1010.1.1		32"	33.5" MIN
COMMON PATH OF EGRESS TRAVEL		75'	LESS THAN 75'

FIRE ALARM REQUIREMENTS:

(FBC 907, NFPA 72)

FIRE ALARM IS REQUIRED IN THIS BUILDING PER APPLICABLE CODES.

FIRE SPRINKLER REQUIREMENTS:

(FBC 903, NFPA 101)

FIRE SPRINKLER SYSTEM IS REQUIRED PER APPLICABLE CODES.

TABLE 1020.1 CORRIDOR FIRE RESISTANCE RATING

OCCUPANCY CLASSIFICATION	OCCUPANT LOAD	FIRE RESISTANCE RATING UNSPRINKLED
BUSINESS	GREATER THAN 30	1

A NEW EOC RTCC FOR:

OCALA POLICE DEPARTMENT

402 SOUTH PINE AVENUE,
OCALA, FLORIDA 34471

BUILDING DATA

A NEW EMERGENCY OPERATIONS CENTER/REAL TIME CRIME CENTER FOR OCALA POLICE DEPARTMENT, CONSTRUCTION SHALL CONSIST OF METAL STUD WALL PARTITIONS. COMPLETE MECHANICAL, ELECTRICAL & PLUMBING SHALL BE INSTALLED IN THIS NEW TENANT. BUILDING LOCATION IS 402 SOUTH PINE AVENUE, OCALA, FLORIDA.

PERMIT DOCUMENTS BY OTHERS

1) FINAL ELECTRICAL ENGINEERING DOCUMENTS ARE TO BE PREPARED BY A FLORIDA LICENSED MASTER ELECTRICIAN SUBCONTRACTOR AND SUBMITTED WITH THESE DOCUMENTS FOR PERMITTING. ELECTRICAL SUBCONTRACTOR SHALL CONFIRM LOADS OF EQUIPMENT, FIXTURES, RECEPTACLES, AND APPLIANCES WITH BOTH GENERAL CONTRACTOR AND MECHANICAL SUB CONTRACTOR PRIOR TO CONSTRUCTION.

2) THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR FINAL ENGINEERING DESIGN OF THE MECHANICAL SYSTEMS, GAS PIPING (IF APPLICABLE), ALL MANUALS 'J', 'D', & 'N' AS REQUIRED, AND FLORIDA ENERGY CODE COMPLIANCE FORMS. FINAL MECHANICAL ENGINEERING DOCUMENTS AND ENERGY CODE CALCULATIONS ARE TO BE SUBMITTED FOR PERMITTING WITH THESE DOCUMENTS. MECHANICAL CONTRACTOR MUST ALSO TEST AND BALANCE HVAC SYSTEM FOR PROPER OPERATION PRIOR TO OWNER ACCEPTANCE.

3) PLUMBING FIXTURES, FAUCETS, LIGHTING FIXTURES, SHALL BE SELECTED BY OWNER WITHIN CONTRACT ALLOWANCE.

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SCOPE OF WORK

DEMOLITION

- ROOM 300
- REMOVE MOP SINK
- REMOVE TRASH CHUTES (FROM SECOND TO FIRST FLOORS)
- REMOVE GYP BOARD WRAP FROM COLUMNS AND ASSOCIATED FRAMING
- REMOVE VIDEO LIGHT CONTROL CONTROLLER
- REMOVE LIGHT FIXTURES AND STORE ONSITE FOR RELOCATION
- REMOVE (2) TWO SOUNDPROOF ROOMS; STORE (1) ONE IN ROOM 300; REINSTALL (1) IN ROOM 300
- ROOMS 199 AND 200
- REMOVE EXISTING WALL DIVIDING THE TWO ROOMS AND ALL ASSOCIATED DOOR AND ELECTRICAL
- REMOVE EXISTING CEILING IN ROOM 199
- REMOVE (2) TWO EXISTING SOUNDPROOF ROOMS
- REMOVE EXISTING CARPET AND STORE IN ROOM 300

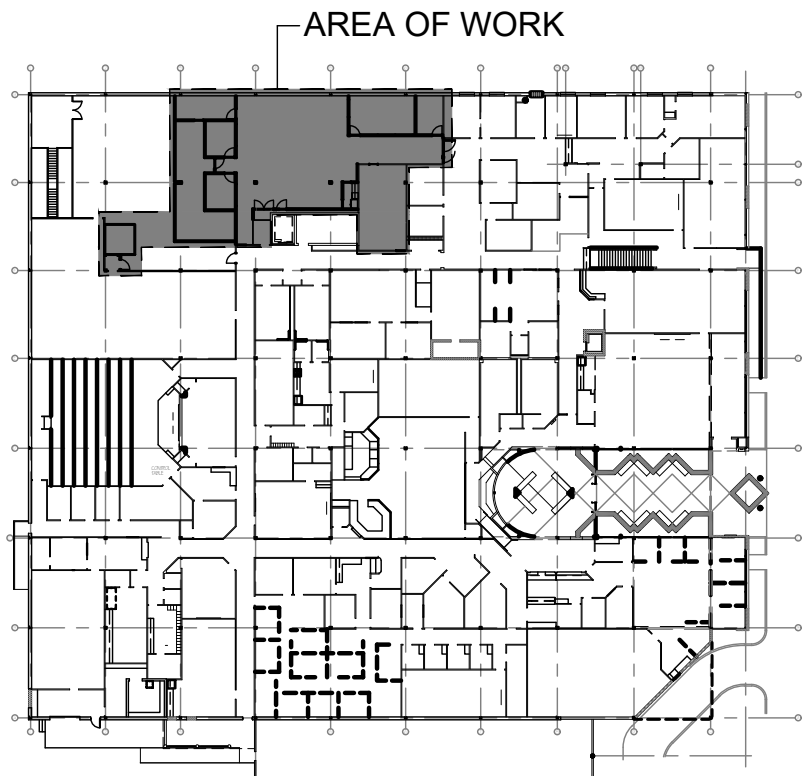
PROPOSED CONSTRUCTION

- NEW EOC/RTCC OFFICES
- ROOM 300
- ADD LEFT-HAND DOOR FROM HALL 201
- ADD DOOR ACCESS CARD READER
- MOVE LIGHT SWITCH FOR EXITING AREA LIGHTS (EXISTING) TO ADDED DOOR LOCATION
- RELOCATE FIRE STROBE LIGHT - HALL 201
- RELOCATE CAMERA - HALL 201
- 6" RAISED ACCESS FLOORING
- ROOMS 301, 303, 304, 305, 306, 307, 308, 309, 310, 311
- ROOM 301 E.O.C.
- CARPET TILE FLOORING
- VIDEO WALL COMPONENTS LOCATIONS SUPPLIED BY CONSTANT TECHNOLOGIES (CAT6 POWER LOCATIONS LAYOUT)
- FILLER WALL BY ROOM 309 ADJACENT TO ROOM 200
- ROOM 302 OFFICE/STORAGE
- SEE PLAN FOR SIZE
- 36" RIGHT-HAND SWING DOOR
- ROOM 303 CONFERENCE ROOM
- SEE PLAN FOR SIZE
- (2) GLASS WALLS: SOUTH AND WEST
- 36" LEFT-HAND SWING DOOR - FULL GLASS (MATCH GLASS WALL MATERIAL.) NO MORTISE LOCK
- ROOM 304 UTILITY CLOSET
- 3'-8" DEEP - LINE UP WITH ADJACENT WALL (1')
- DOUBLE DOORS; NO LOCK
- 17' X 1' WALL; COVER PIPES ADD DOOR; NO LOCK IN FRONT OF FIRE PANEL
- ROOM 305 INTEL
- SEE PLAN FOR SIZE
- 36" RIGHT-HAND SWING DOOR
- WALK-THRU OPENING BETWEEN ROOMS 305 AND 308
- ADD COLUMN WALL FROM COLUMN TO WEST WALL
- ROOM 306 E.O.C. SERGEANT
- SEE PLAN FOR SIZE
- 36" LEFT-HAND SWING DOOR WITH LOCK
- GLASS WINDOW 4' X 6' STEEL FRAME TO MATCH EXISTING IN BUILDING
- ROOM 307 E.O.C. LIEUTENANT
- SEE PLAN FOR SIZE
- 36" RIGHT-HAND SWING DOOR WITH LOCK
- GLASS WINDOW 4' X 6' STEEL FRAME TO MATCH EXISTING IN BUILDING
- ROOM 308 CAMERA TECHNICIAN
- SEE PLAN FOR SIZE
- 36" RIGHT-HAND SWING DOOR
- ROOM 309 BREAK ROOM
- SEE PLAN FOR SIZE
- WALK-THRU OPENINGS (NO DOORS)
- BASE AND OVERHEAD CABINETS
- STANDARD 36" REFRIGERATOR OPENING WITH WATER
- 8" DEEP STAINLESS STEEL SINK
- UNDER COUNTER ICE MAKER
- FLOOR DRAIN UNDER ICE MAKER
- ROOM 310 MAIN ENTRY FOYER
- SEE PLAN FOR SIZE
- A PAIR OF 24" GLASS SLIDING DOORS WITH AUTO OPEN FROM CARD ACCESS CONTROL WITH FROSTED GLAZING
- 4" POLICE EMBLEM IN TILE FLOOR
- ADD DOOR ACCESS CARD READER IN ROOM 203 8' FROM DOOR ON RIGHT SIDE WALL
- MOTION SENSOR TO EXIT E.O.C. FROM ROOM 310
- 6" RAISED FLOOR RAMP
- ROOM 311 EXIT DOOR AREA

- SEE PLAN FOR SIZE
- REPLACE DOOR - CORE, KEEP CARD READER
- FLOOR - DOWN RAMP, CARPET AT END OF RAMP TO MATCH HALL
- REWIRE LIGHT SWITCH FOR E.O.C. LIGHTS. 3 ZONE LIGHT - CENTER, SIDES AND VIDEO WALL - ALL DIMMABLE
- ROOM 312 FOYER
- SEE PLAN FOR SIZE
- ADD DOOR HANDLE AND LOCK TO DOOR
- ADD WALK THRU FOR POLYGRAPH ROOM TO SIDE UP IN 300 RM
- ADD ACCESS CARD READER FOR THIS DOOR ON HALLWAY SIDE
- ROOM 313 POLYGRAPH OFFICE
- SEE PLAN FOR SIZE
- LH DOOR SWING
- ROOM 314 POLYGRAPH ROOMS
- REINSTALL 1 SOUNDPROOF ROOM, STORE SECOND ROOM IN 300 ROOM-WHISPER ROOM
- ROOM 199, 200
- NEW CEILING GRID WORK AND TILES (BLACK)
- CEILING HEIGHT 120" APPROX
- SINGLE LIGHT SWITCH
- NEW CARPET
- NEW - IN NORTH WALL 36"x60" WITH METAL FRAME-MATCH EXISTING WINDOW IN BUILDING - IN WALL OF RM 310
- INSTALL SERVER RACK SEE RACK LAYOUT
- CEILING
- CEILING GRID-ACCOMMODATE FOR 24"x24" LAY IN TILE, (ALL BLACK TILES AND GRID WORK)
- ROOMS 301, 309 CEILING HEIGHT AT 162" APPROX. ABOVE VIDEO WALL SCREEN.
- ROOMS 302, 303, 305, 306, 307, 308, 312, 313, CEILING HEIGHT AT 108" APPROX.
- ROOM 312, WHITE AND GRID WORK.
- RM 310 108" FOR 20" THEN ANGLE UP TO RM 301 AT 162" AT OR BEFORE RM 200 CORNER. APPROX.
- ELECTRICAL
- NATIONAL ELECTRICAL CODE
- POWER VOLTAGE: 1) 460VOLT HVAC ROOF TOP UNITS, POWER FROM RM 58 TO UNITS. 2) 208/240 VOLT 3 PHASE PANELS. 3) 120 VOLT PANELS.
- 3 FORMS OF POWER: BUILDING POWER, GENERATOR POWER, U.P.S. BATTERY BACKUP
- NEW GENERATOR AND ELECTRICAL PANEL INSTALLED IN RM 304
- NEW 225 AMP U.P.S. PANEL LOCATED IN RM 200
- LIGHTING - ALL ROOMS: 1) ALL LED WITH DIMMABLE FIXTURES - 2'X4' LAY IN. 2) 3 LIGHTING CIRCUITS IN ROOM 301. 3) DIMMABLE SWITCHES IN ALL LOCATIONS.
- ELECTRICAL - RECEPTACLES: 1) QUADS IN RAISED FLOOR AT EACH CENTER DESKS (8) - RM 301. 2) STANDARD IN ALL OFFICES AND CONFERENCE ROOM. 3) ROOM 301 - VIDEO WALL 16 QUADS - NORTH WALL. 4) 6 - DUPLEX BETWEEN CABINETS AND VIDEO WALL. 5) ROOM 308-4 EXTRA DUPLEX - EVENLY SPACED OUT WITH STANDARDS
- GENERATOR POWER FOR UPS POWER BATTERY BACKUP
- GALAXY - GVS 50K MODULAR U.P.S. BATTERY BACKUP FOR 30 MINUTES RUN TIME AT FULL LOAD.
- NEW 208/240 VOLT FEED FROM ROOM 58 (FROM MAIN ELECTRICAL ROOM)
- 225-AMP PANEL AND DISCONNECT LOCATE IN 200 RM.
- GENERATOR PROVIDE TO: 1) RECEPTACLES; 1 IN EACH OFFICE, 8 IN RM 305, 4 IN RM 308, RM 309 ALL AT STANDARD HEIGHT (KITCHEN)
- HVAC FOR RM 200 - 100% BACKUP COOLING.
- HVAC E.O.C./RTCC RM 301 THROUGH 311
- ALL LIGHTS - EXCEPT RM 200, 301, 312, 313, 314, 310.
- U.P.S. PROVIDE POWER TO: VIDEO WALL, RM301, 200 - ALL/ EVERYTHING.
- RECEPTACLES-SINGLE GANG BOXES-MOUNTED ABOVE SERVER RACKS ON ELECTRICAL BAR RACKS. 4- 20 AMP CIRCUITS ABOVE EACH RACK - 4 SINGLE GANG BOX.
- RM 310 AUTO SLIDING GLASS ENTRY DOORS, RM303 ALL, LIGHTS ROOM 301, 305, 310.
- DATA AND PHONE JACKS
- ALL CABLE - RUN ABOVE CEILING. EXCEPT RM 301 - CENTER WORKSTATION (14) UNDER FLOOR.
- DATA CABLES PULLED TO ROOM 200: 1) 1 CAT6 DATA CABLE - CENTER OF RM 301 CEILING TO RM 200 FOR Wi-Fi CONNECTION. 2) VIDEO WALL 32 SINGLE CAT6 - EACH VIDEO SCREEN.
- PHONE CABLES PULLED TO ROOM 168.
- 1 PHONE AND 2 DATA CAT6 FOR EACH LOCATION-TERMINATED AT WALLS OUTLETS AND FLOOR OUTLETS AND INTO SWITCH CONTRACTOR PROVIDES. 1) ROOM 301 LOCATIONS EACH DESK AND 1 CENTER LOCATION IN FLOOR (14). 2) 2 JACK LOCATION IN ROOMS 302, 306, 307, 308, 313, 314. 3) ROOM 303 - 1 JACK IN FLOOR. 1 JACK ON EAST WALL BEHIND VIDEO SCREEN. 4) ROOM 305-8 JACKS, WEST AND SOUTH WALLS. 5) ROOM 301, 305-JACK AT COPIER LOCATION.
- CABLE CHASE-CEILING TO RAISED FLOOR LOCATE IN RM 304.
- CARD ACCESS READER (MORSE COMMUNICATIONS CONTRACTOR)
- CAT6 DATA CABLE - CENTER OF RM 301 CEILING TO RM200 FOR Wi-Fi CONNECTION.
- VIDEO WALL 32 SINGLE CAT6 - EACH VIDEO SCREEN
- PHONE CABLES PULLED TO ROOM 168.

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- CABLE CHASE - CEILING TO RAISED FLOOR LOCATE IN RM 304.
- CARD ACCESS READER (MORSE COMMUNICATION CONTRACTOR)
- INTEGRATE WITH EXISTING CONTINENTAL PROGRAM CONTROL SOFTWARE.
- ADD 1 ACCESS DOOR PANEL IN ROOM 168.
- NEW CARD READER-ROOMS 203, 201, 312, 305, 308 WITH REMOTE DOOR OPENER
- CONTROL WIRE FROM DOORS TO RM 168. CONTRACTOR PROVIDES CONTROLLER PORTS.
- FIRE SYSTEM - SPRINKLERS (OCALA BACKFLOW)
- NFPA 13 CODE APPLY ACCORDING TO E.O.C. PRINT LAY-OUT.
- FIRE SYSTEM - PROPRIETARY SYSTEM (JACKSONVILLE SOUND)
- NFPA 72/FIRE CODE APPLY - ACCORDING TO ECO PRINT LAY-OUT.
- EDWARDS PANEL-EST CERTIFIED COMPANY
- SMOKE/HEAT DETECTORS/STROBES
- HVAC DETECTOR DUCT TEST CONTROLS SWITCHES LOCATED IN RM 304.
- MEET ALL CITY, STATE FIRE CODE
- MATCH EXISTING DEVICES IN THIS AREA
- HVAC
- UNITS LOCATED OVER/NEAR SUPPORT COLUMNS: MEET ALL CITY COMERCIAL MECHANICAL CODE REQUIREMENTS. RTU UNITS LABEL PER PRINT. RTU UNITS CURBS SEAL WITH ROOF SEALANT- SAME AS CURRENT MATERIAL- WITH ANTI-SLIP MATERIAL AROUND. SIZE ACCORDING TO HEAT LOAD IN WORKING AREA. METAL DUCTWORK WITH FLEX DUCT TO DIFFUSERS. ADD RETURN AND SUPPLY DUCTWORK FOR POLYGRAPH AND ROOM FOYER.
- SUPPLY DIFFUSERS WITH DAMPERS. DAMPERS LOCATED AT MAIN SUPPLY LINE
- AIR RETURN IN EACH OFFICE/ROOM
- INTEGRATE WITH EXITING HONEYWELL COMPUTER CONTROL PROGRAM
- HVAC - SERVER ROOM 199, 200
- 100% BACKUP COOLING
- MEET ALL CITY COMMERCIAL CODE REQUIREMENTS.
- SIZE ACCORDING TO HEAT LOAD IN SERVER AREA
- INTEGRATE WITH EXITING HONEYWELL CONTROL PROGRAM.
- INSTALL THE NEW UNITS GRAPHICS TO PROGRAM AND OPD 1754 COMPUTER.
- DOOR LOCKS
- YALE MORTIS LOCKS MATCH EXISTING.
- YALE GRAND MASTER KEY SYSTEM. MUST BE A REGISTERED YALE DEALER.
- CORNER WALL PROTECTORS
- OUTSIDE CORNERS- LIGHT GREY- MATCH EXISTING
- NEW CARPET AND VINYL BASE BOARDS
- ALL ROOMS: 200, 301, 302, 303, 304, 305, 306, 307, 308, 311, 312, 313, 314
- TILE FLOORS WITH TILE BASE BOARDS
- ROOM 310 DOOR TO RAMP
- ROOM 309
- ROOM WALL PLATES
- RM # AND INSERT FOR NAMES-MATCH EXISTING IN BUILDING
- MATERIALS / DESCRIPTION
- CARPET-MILKEN CARPET PANELS
- MATCH EXISTING CARPET COLOR.
- SHERWIN WILLIAMS PAINT: 1) WALLS - OPAL SUPER PAINT #1256.
- 2) DOOR JAMB - #PD BLUE - OIL BASE.
- NAVY VINYL BASE BOARD - JOHNSONITE
- 5/8" SHEETROCK
- STEEL FRAME STUDS
- ELECTRICAL CONDUIT
- ANTIBACTERIAL CEILING TILE - BLACK
- DOOR STAIN - MATCH EXISTING DOORS IN BUILDING.
- SOLID DOOR - 3 HINGE - STEEL JAMB - MATCH EXISTING.
- AMERICAN LOUVER COMPANY - A/C: 1) BLACK CONE DIFFUSER WITH DAMPER FOR SUPPLY LAY-IN. 2) BLACK RETURN AIR LAY-IN GRILLS.
- LED LIGHTING FIXTURE 2'X4' DIMMABLE WITH DIMMABLE SWITCHES
- 7 YEAR WARRANTY OR LONGER ON LIGHTING FIXTURES
- STAINLESS STEEL ELECTRICAL COVER PLATES - ALL

KEY PLAN



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LS101 LIFE SAFETY PLAN

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E-3 ELECTRICAL LIGHTING PLAN
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AN INTERIOR REMODELING FOR:

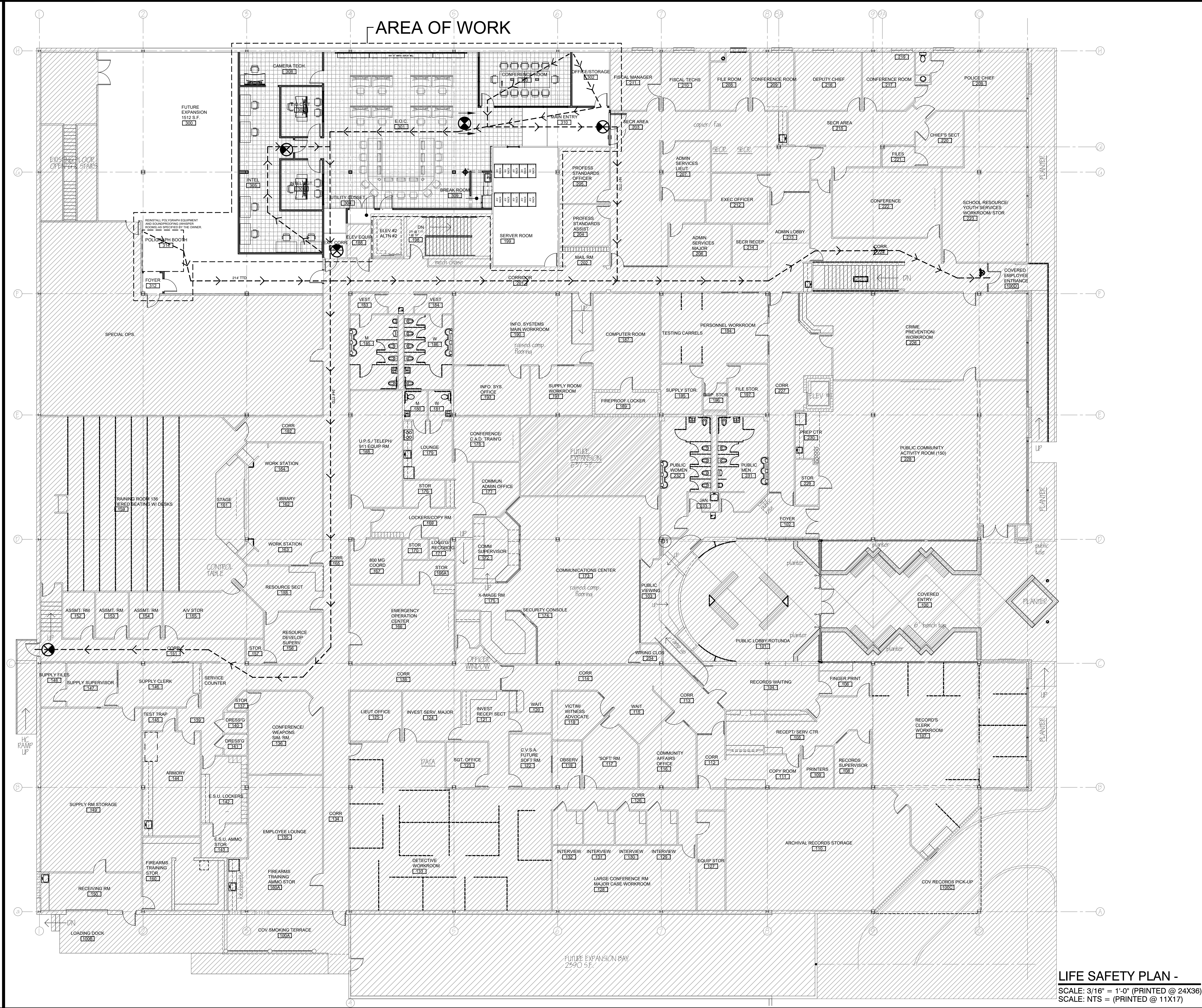
OCALA POLICE DEPARTMENT - REAL TIME CRIME CENTER
402 SOUTH PINE AVENUE
OCALA, FLORIDA 34471

CONSTRUCTION DOCUMENTS

DRAWN RAA	PROJECT NO. 2446
CHECKED RAA	DATE 10.01.25

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SHEET NO.



LIFE SAFETY PLAN -
SCALE: 3/16" = 1'-0" (PRINTED @ 24X36)
SCALE: NTS = (PRINTED @ 11X17)

SQ. FT. DATA	
REMODELED AREA:	2491 SQ. FT.
EXISTING AREA TO REMAIN	5787 SQ. FT.
GRAND TOTAL	8278 SQ. FT.

SYMBOL LEGEND

- NEW 2' X 2' EMERGENCY LED LIGHTING FIXTURE WITH INTEGRAL 90 MINUTE BATTERY PACK - UNLESS NOTED OTHERWISE SEE REFLECTED CEILING PLAN FOR LOCATIONS
- NEW EMERGENCY LIGHT ON BATTERY PACK - UNLESS NOTED OTHERWISE
- NEW COMBINATION EXIT SIGN & EMERGENCY LIGHT WITH BATTERY PACK - UNLESS NOTED OTHERWISE
- NEW EXIT LIGHT W/ BATTERY PACK CHECK FOR PROPER OPERATION REPLACE AS REQUIRED - UNLESS NOTED OTHERWISE
- NEW FIRE EXTINGUISHER WALL MOUNTED 10LB. 4A:80B:C - UNLESS NOTED OTHERWISE
- 82' TTD TTD = TOTAL TRAVEL DISTANCE (EGRESS PATH)
- DIRECTION OF TRAVEL
- DOOR CAPACITY OCCUPANT LOAD
- MAXIMUM ALLOWABLE TRAVEL DISTANCE ALLOWABLE 200'

- GENERAL NOTES**
- PROVIDE CORRECT EGRESS PATH DIRECTION AND CLEAR EGRESS VISIBILITY OF ALL EXIT SIGNAGE LIGHTING. PROVIDE NEW EXIT SIGNAGE, EMERGENCY LIGHTING AND FIRE EXTINGUISHERS AS SHOWN ON PLAN.
 - ALL NEW FIRE EXTINGUISHERS TO BE CLASS "ABC" UNLESS SPECIFIED OTHERWISE BY FIRE MARSHAL. ALL NEW & EXISTING FIRE EXTINGUISHERS TO BE TESTED, WORKING PROPERLY AND WITHIN CORRECT OPERATIONAL DATE, TYPICAL.
 - IF APPLICABLE EXISTING FIRE EXTINGUISHERS SHALL BE TESTED & TAGGED PRIOR TO C.O. OR REPLACE IF REQUIRED TYP.
 - IF APPLICABLE VERIFY ALL EXISTING EMERGENCY EMER LT LIGHTS & EXIT SIGNS ARE IN WORKING CONDITION REPLACE AS REQUIRED TYP.
 - IF APPLICABLE FIXED SEATING DIAGRAM SHALL BE POSTED IN A CONSPICUOUS LOCATION. A SEATING CHANGE CANT BE MADE WITHOUT PRIOR APPROVAL FROM THE FIRE MARSHAL.
 - OCCUPANT LOAD SIGN SHALL BE PLACED IN A CONSPICUOUS LOCATION.

DOOR CAPACITY

- 68.5' CLR. (342) PERSONS
72" - 3.5" = 68.5' CLR.
3.5' = 1.75' DOOR x 2
68.5' / 0.2 = 342.5
342 PERSONS
- 33.5' CLR. (167) PERSONS
36" - 2.5" = 33.5' CLR.
2.5' = 1.75' DOOR + .75' STOP
33.5' / 0.2 = 167.5
167 PERSONS
- 45.5' CLR. (227) PERSONS
48" - 2.5" = 45.5' CLR.
2.5' = 1.75' DOOR + .75' STOP
45.5' / 0.2 = 227.5
227 PERSONS

FLOOR PLAN HATCH LEGEND

- AREA NOT IN CONTRACT HATCH
- ACCESS FLOOR SYSTEM. SEE SP101 FOR SPECIFICATIONS

REVISIONS

NO.	DESCRIPTION	DATE

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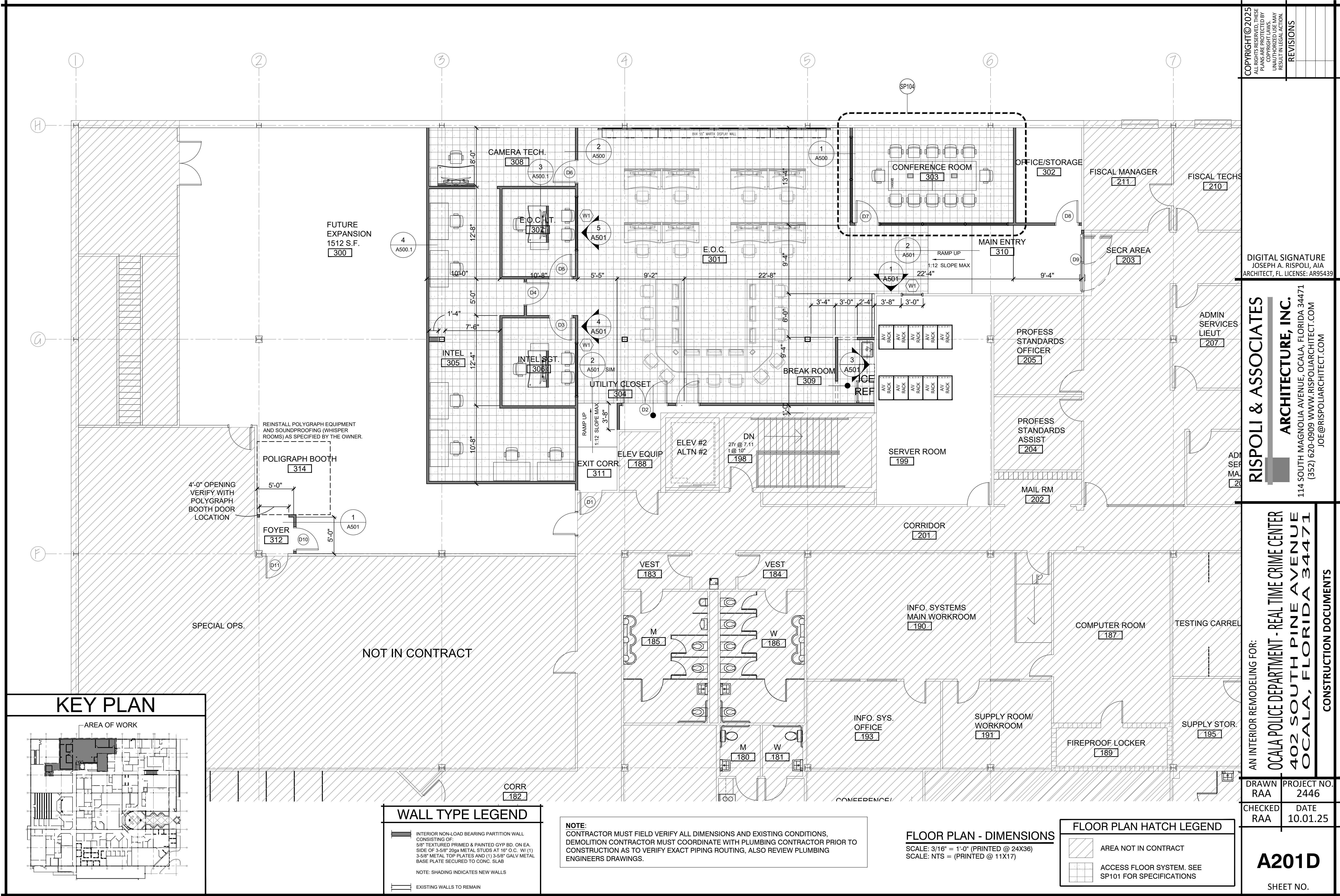
AN INTERIOR REMODELING FOR:
OCALA POLICE DEPARTMENT - REAL TIME CRIME CENTER
402 SOUTH PINE AVENUE
OCALA, FLORIDA 34471

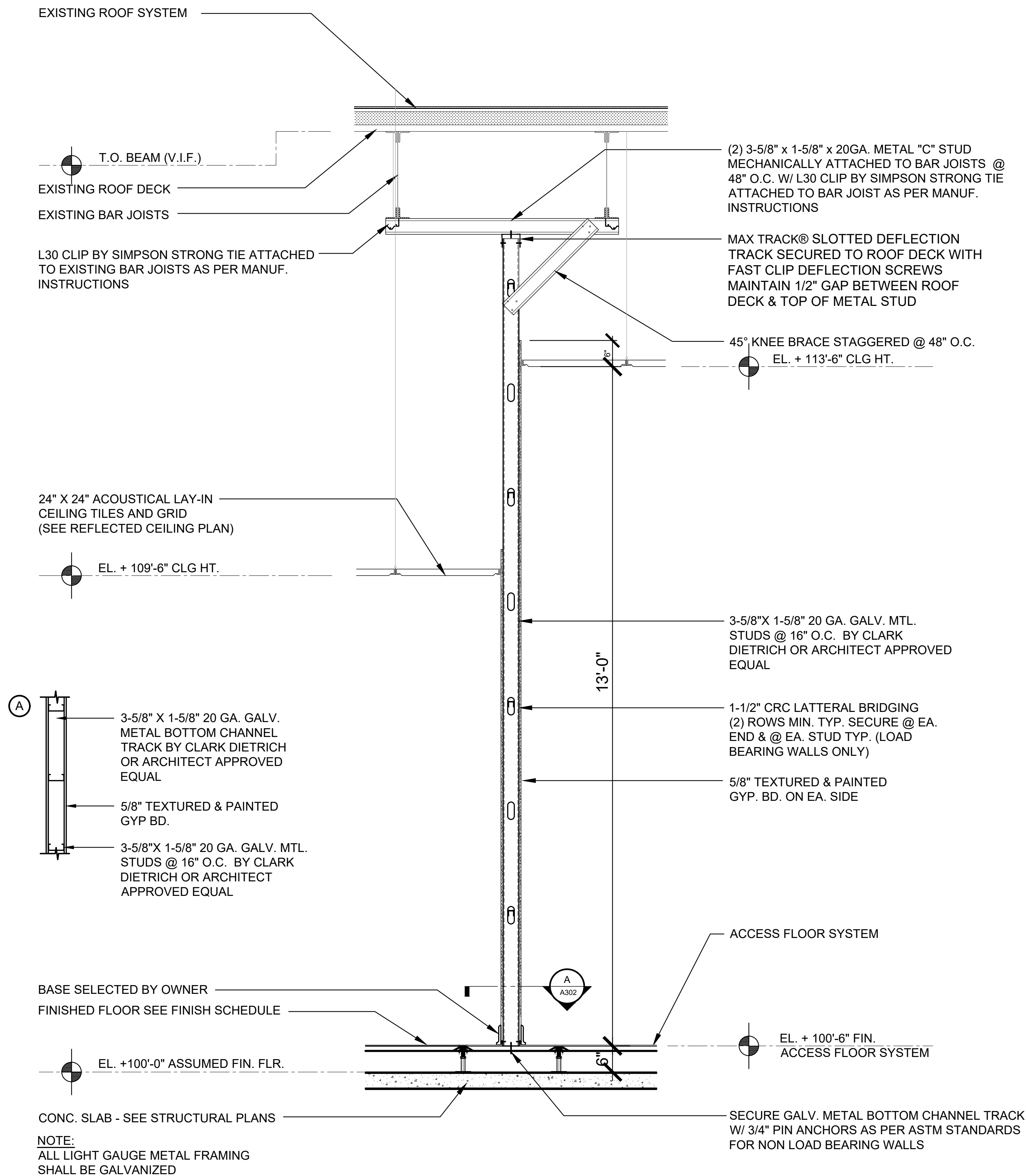
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PROJECT NO. 2446
DATE 10.01.25

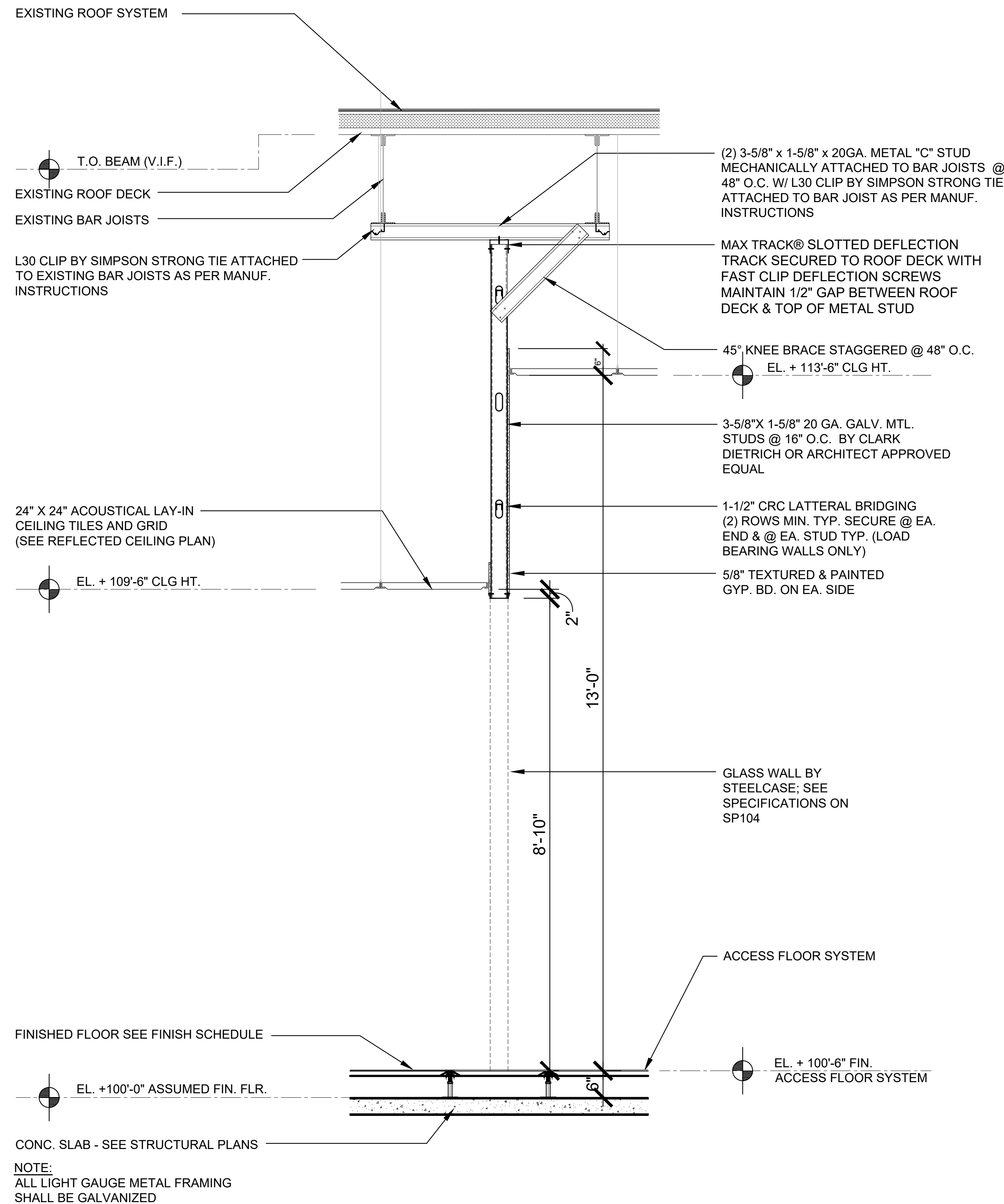
LS101
SHEET NO.

CONSTRUCTION DOCUMENTS





2 TYPICAL WALL SECTION
SCALE: 3/4" = 1'-0"



1 TYPICAL WALL SECTION
SCALE: 3/4" = 1'-0"

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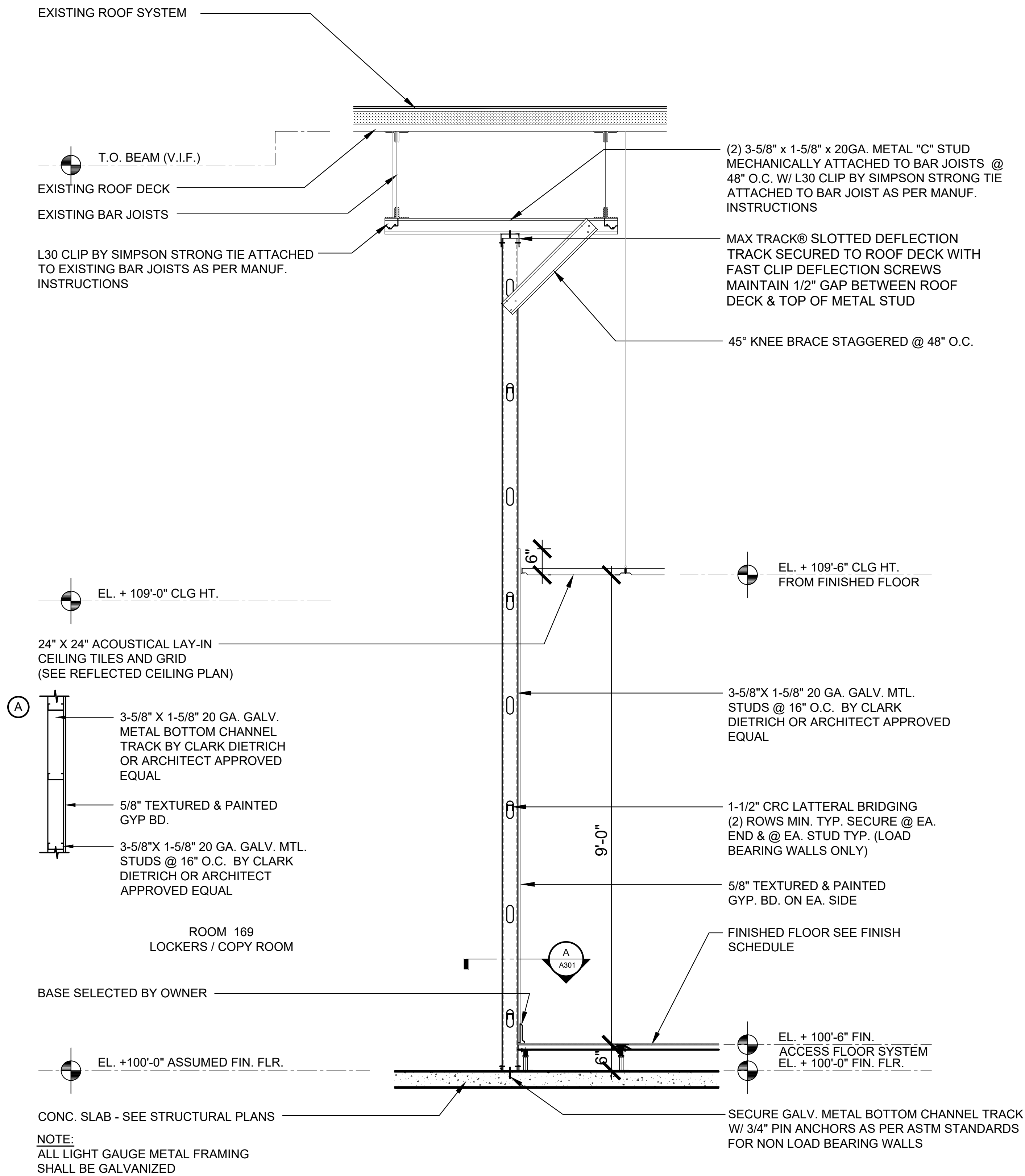
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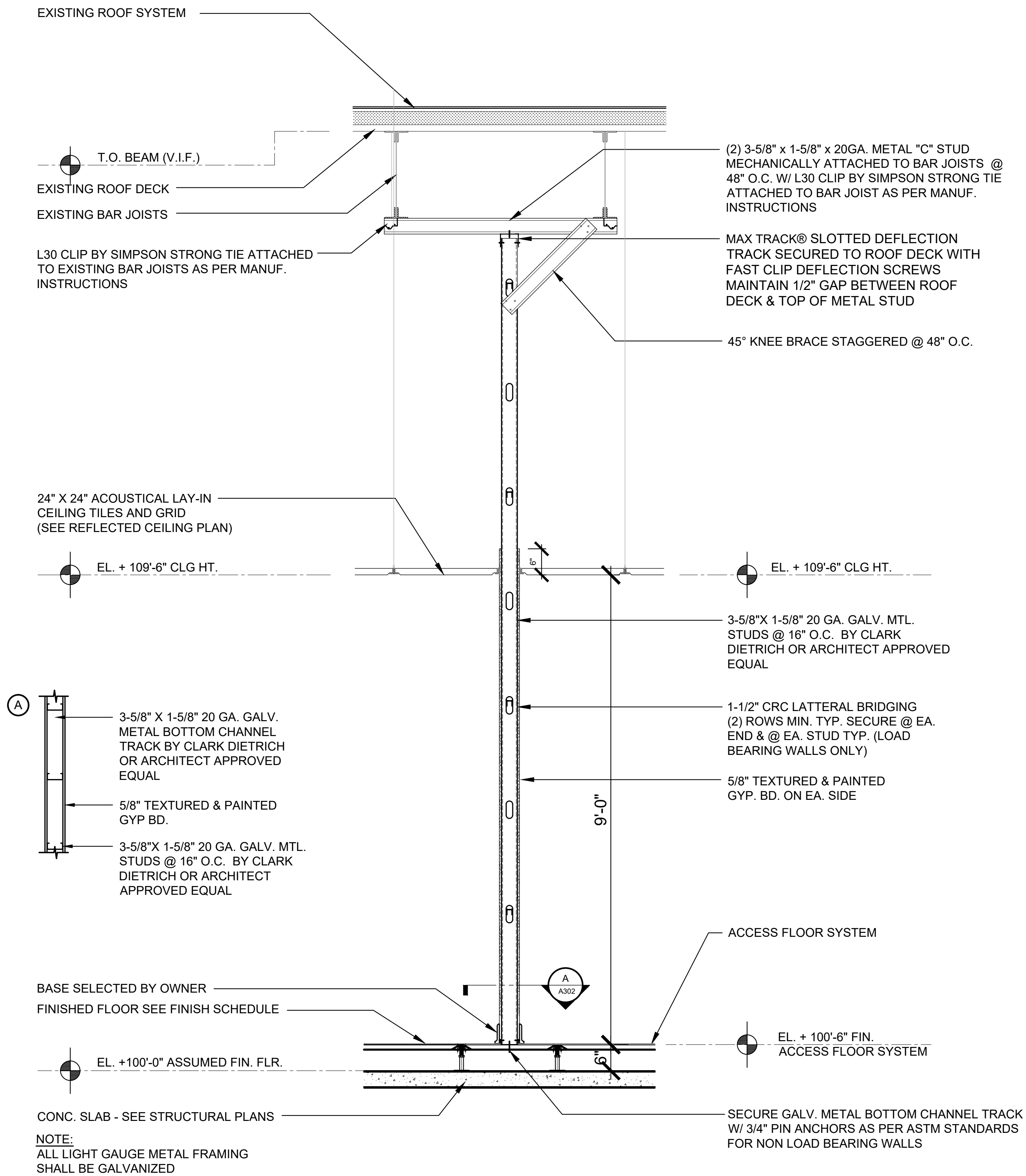
AN INTERIOR REMODELING FOR:
OCALA POLICE DEPARTMENT - REAL TIME CRIME CENTER
402 SOUTH PINE AVENUE
OCALA, FLORIDA 34471
CONSTRUCTION DOCUMENTS

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PROJECT NO.
2446
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SHEET NO.



4 TYPICAL WALL SECTION
SCALE: 3/4" = 1'-0"



3 TYPICAL WALL SECTION
SCALE: 3/4" = 1'-0"

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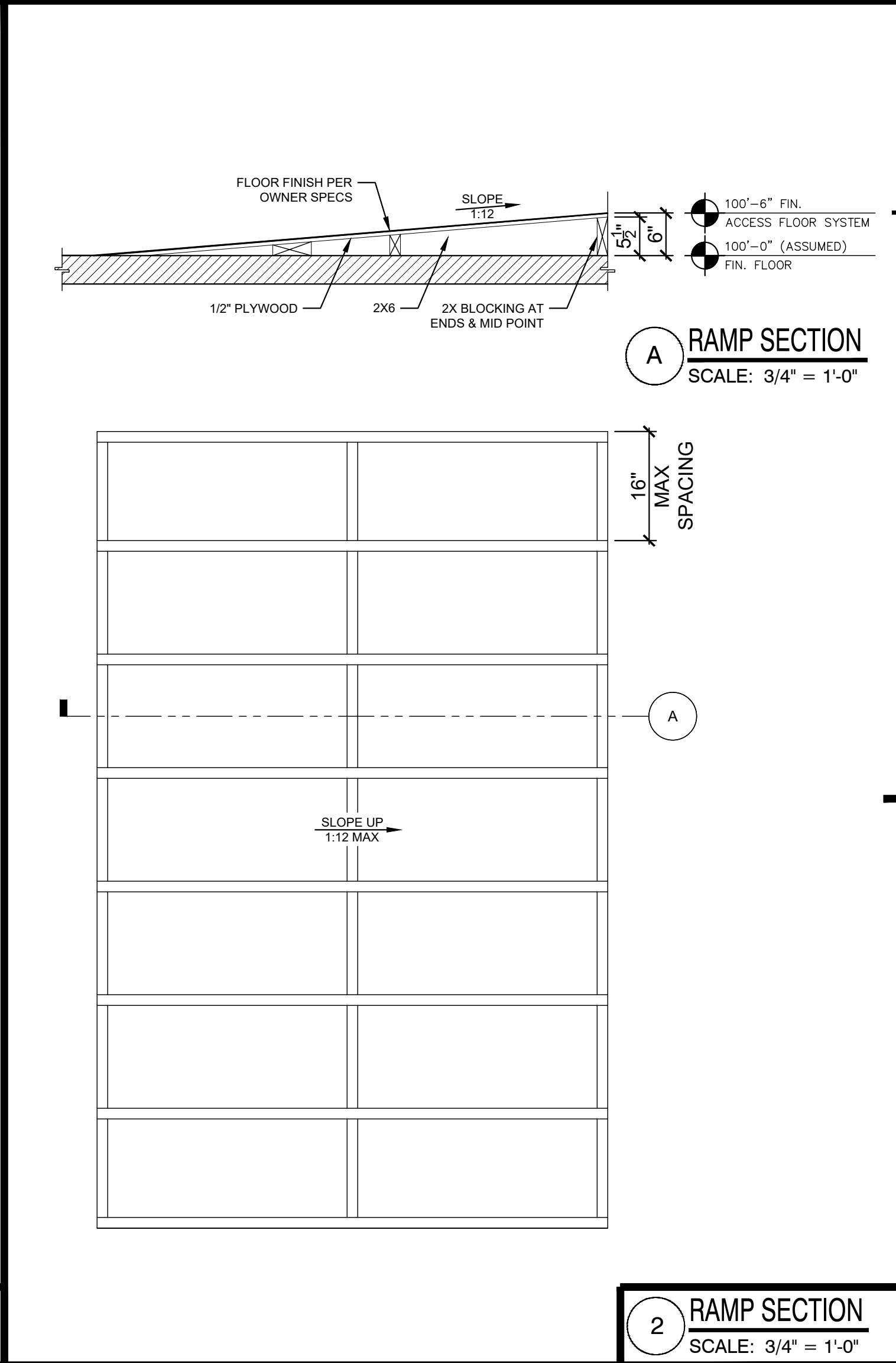
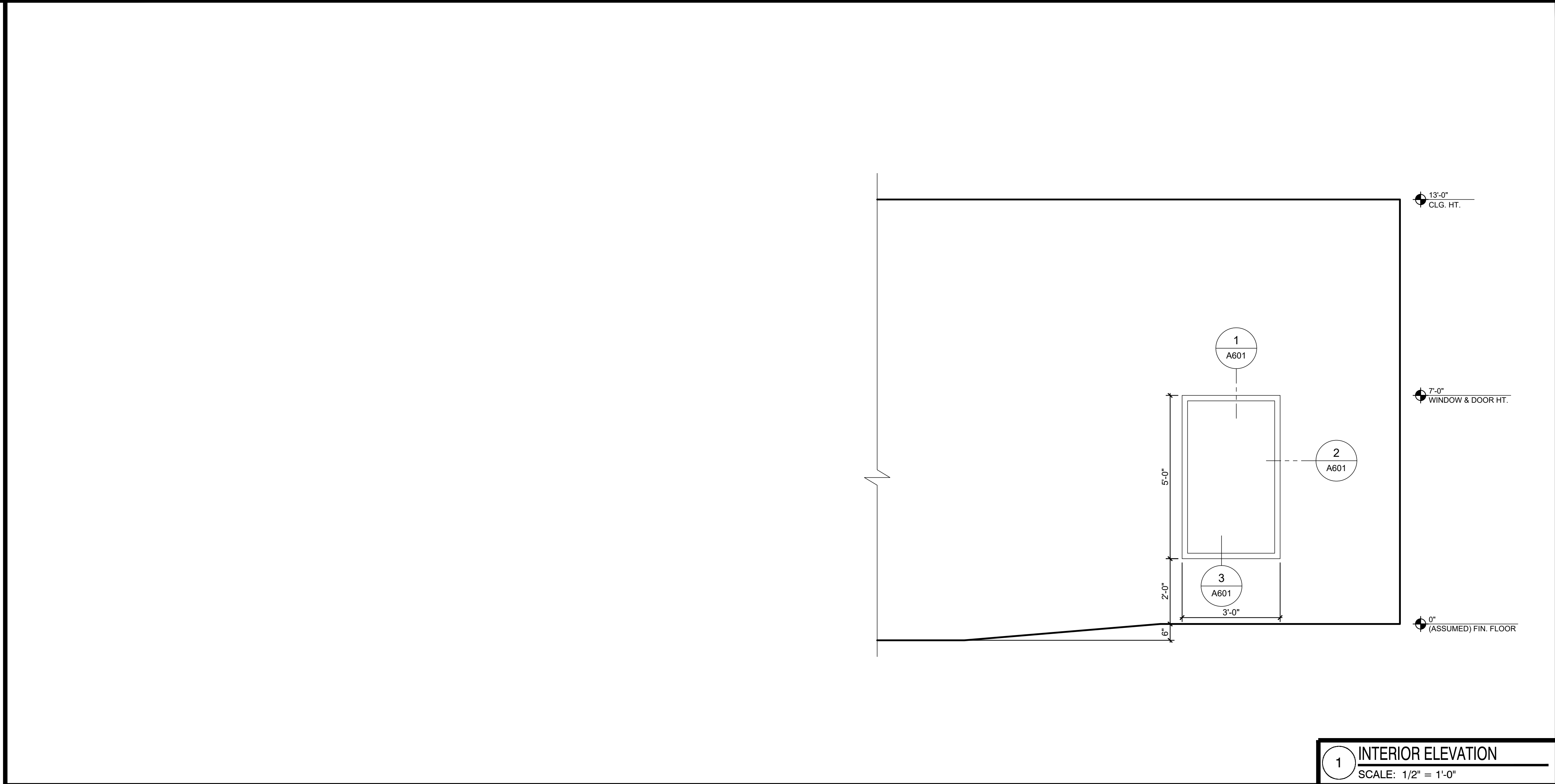
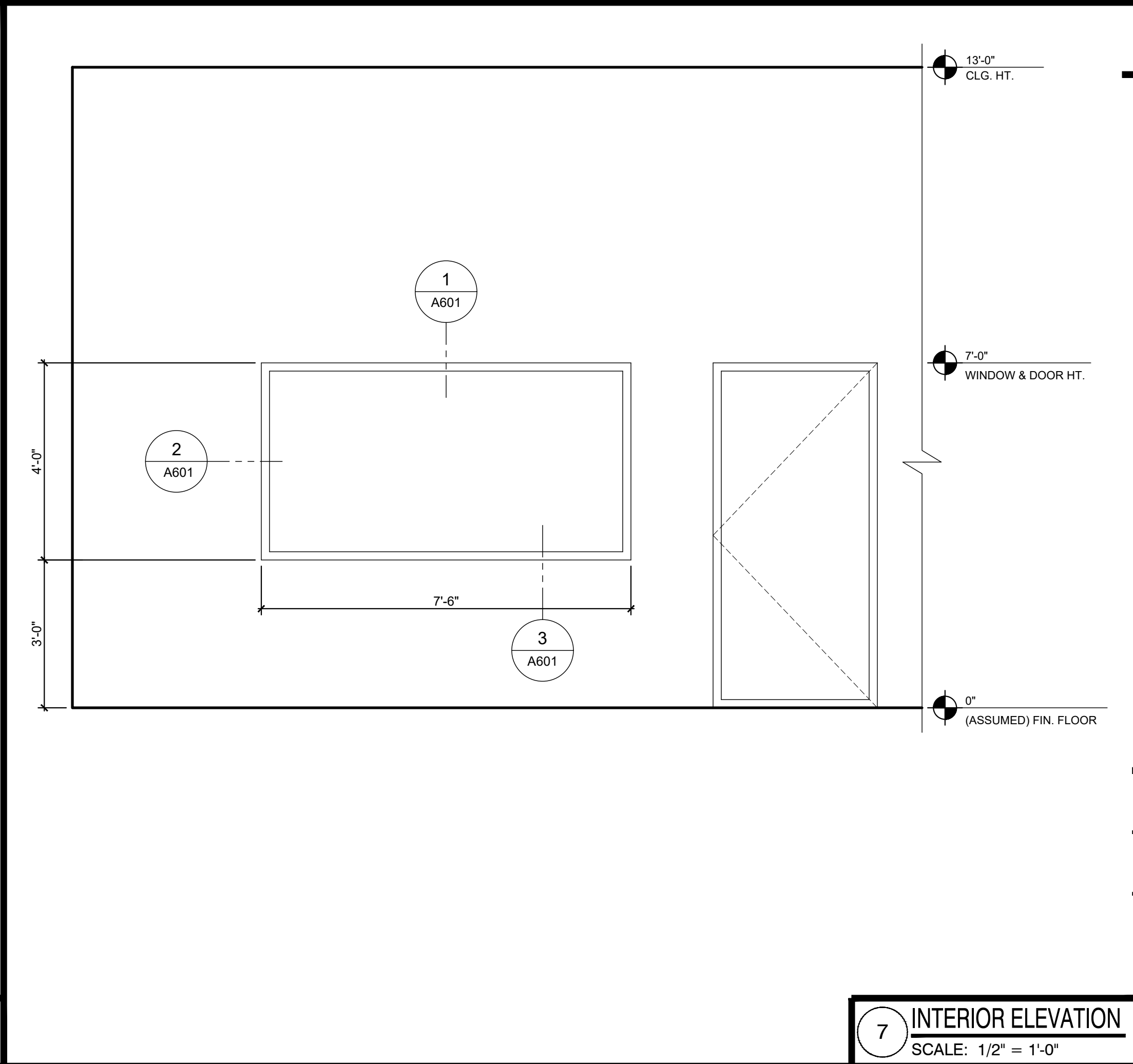
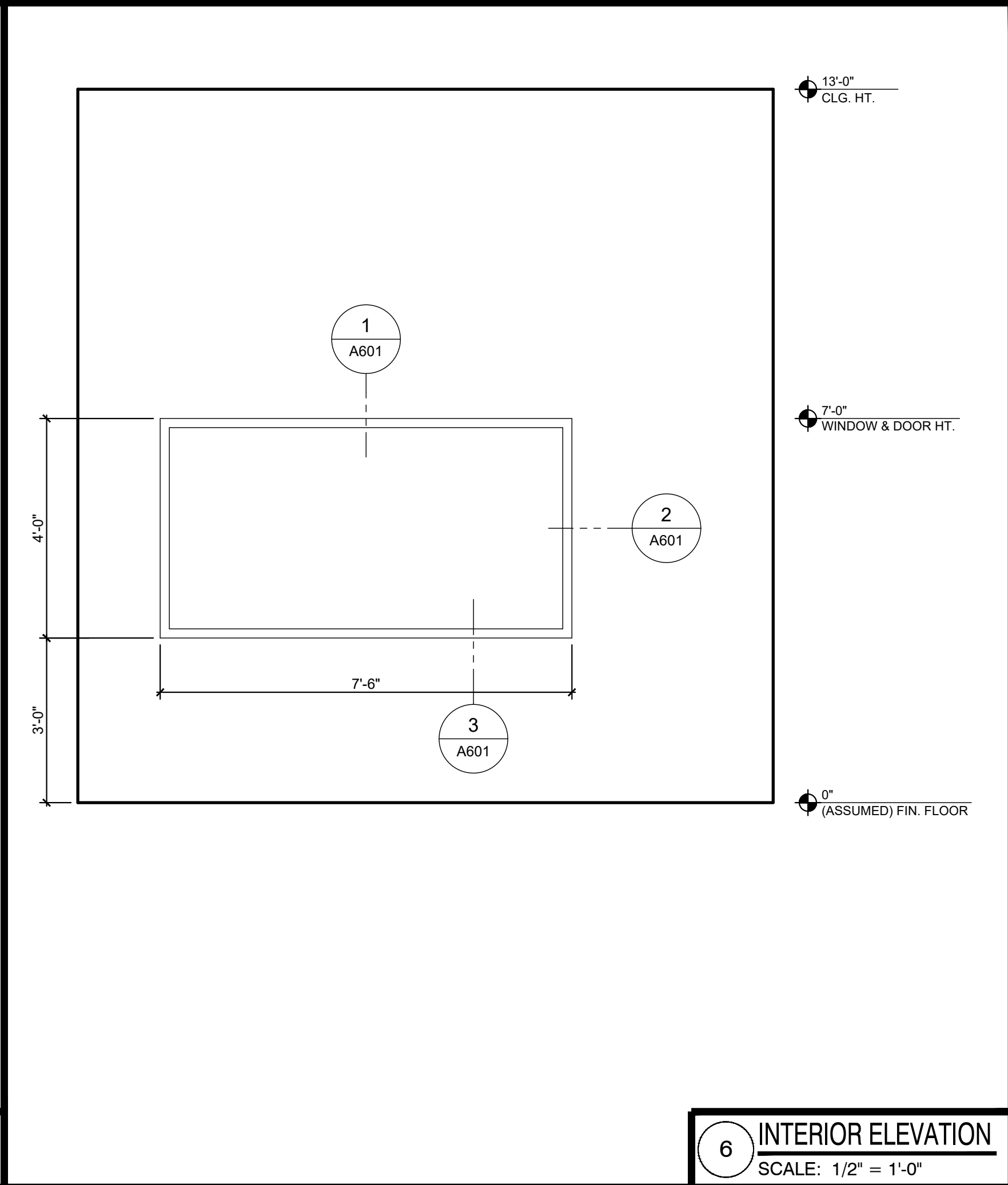
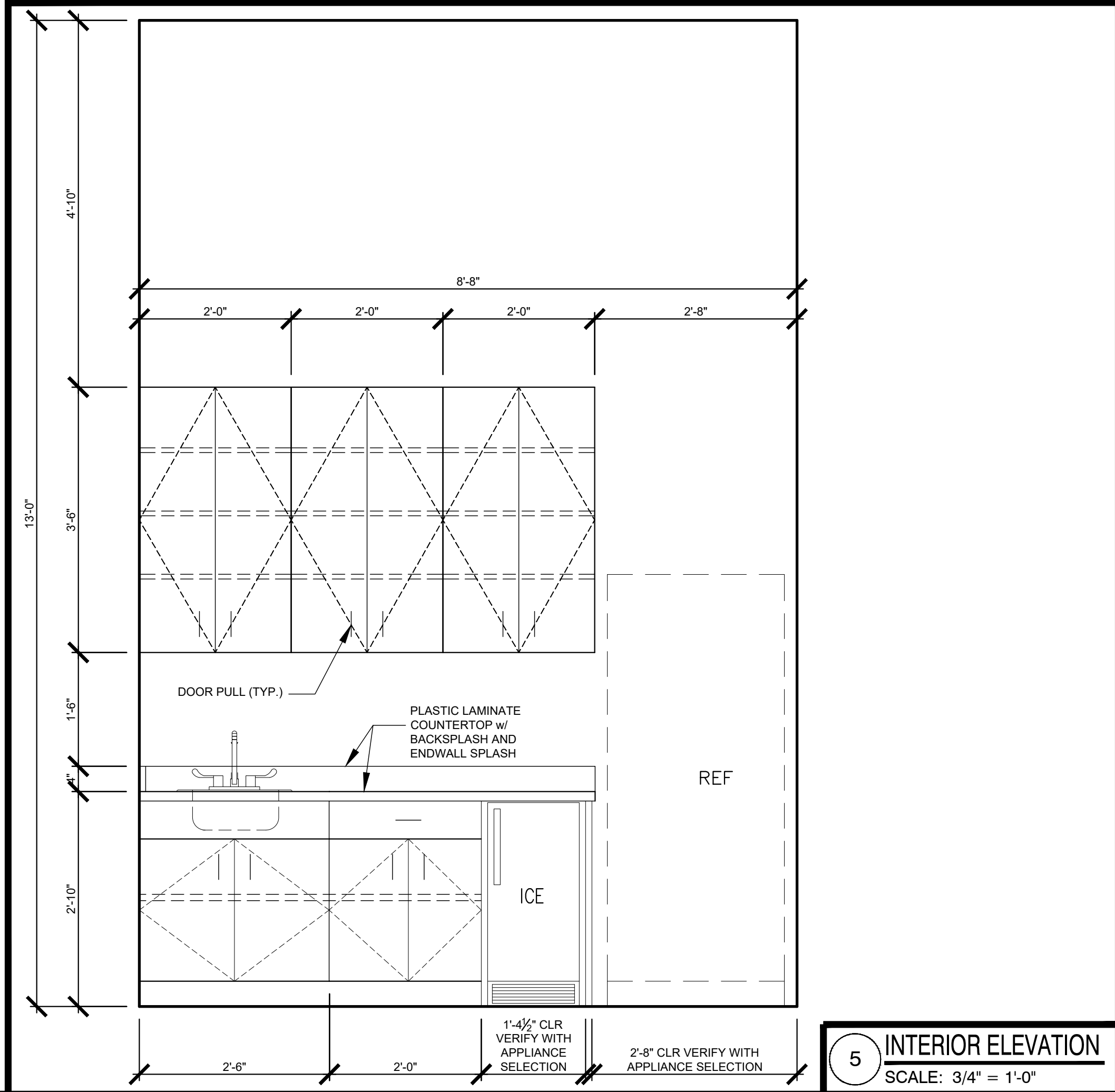
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AN INTERIOR REMODELING FOR:
OCALA POLICE DEPARTMENT - REAL TIME CRIME CENTER
402 SOUTH PINE AVENUE
OCALA, FLORIDA 34471

CONSTRUCTION DOCUMENTS

DRAWN RAA	PROJECT NO. 2446
CHECKED RAA	DATE 10.01.25

A500.1
SHEET NO.



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The diagram illustrates the assembly of a wall anchor. It shows a cross-section of a wall with a horizontal steel stinger (2) and a vertical steel stud (7). A resistance weld (9) connects the stinger to the stud. A die-formed galvanized steel base (8) is attached to the stud. A vibration proof locking device (6) is used to secure the assembly. A steel stud (7) is inserted through the base and secured with a nut (5) and a 1/4" - 20 x 1 3/4" screw (3). The assembly is accessed through a floor panel (1). The legend identifies the components as follows:

LEGEND	
1.	Access floor panel
2.	Roll formed galvannealed steel stinger
3.	1/4" - 20 X 1 3/4" screw
4.	11 ga. die formed galv. steel head
5.	Steel stud 3/4" - 10 UNC
6.	Nut with vibration proof locking device (6" FFH and up)
7.	Type 1 base with 7/8" sq. x 17ga. wall galv. tubing
8.	Die formed embossed galv. steel base
9.	Resistance Weld

- Perimeter pedestal shall provide support for panels around columns, at walls and in corners.

SHEET NO.

ROOM FINISH SCHEDULE										
AREA		FLOOR	WALLS				CEILING		REMARKS:	
#:	LOCATION:	MAT'L BASE:	N	S	E	W	MAT'L:	HGT.:		
FINISHES SELECTED BY OWNER										
DOOR NOTES										
1. VERIFY ALL HARDWARE W/ OWNER 2. VEIFY ALL DOOR TYPES W/ OWNER 3. VERIFYYY ALL DOOR FRAME MATERIALS W/ OWNER 4. SEE WINDOW/DOOR BUCK DETAIL A/501										

MATERIAL ABBREVIATIONS:		
WD = WOOD (SOLID CORE)	HM - HOLOW METAL (GAVANIZED)	AL = ALUMINUM
DOOR FINISHES		
WD - STANDARD WOOD FINISH (FACTORY PRE-FINISHED, OWNER SELECTED) GL - GLAZING FINISH - (SEE GLAZING LEGEND) HM - GALV. HOLLOW METAL (PRIMED & PAINTED, OWNER SELECTED)	PK - POCKET DOOR PR - PAIR OF DOORS C - CUSTOM DOOR SEE OWNER SD - SLIDING DOOR SC - SOLID CORE DOOR	
WINDOW NOTES		
1. ALL GLAZING SHALL BE INSULATED & TINTED, SELECTED BY OWNER. 2. GC SHALL SUBMIT SHOP DRAWINGS OF ALL GLAZING AND WINDOW SYSTEMS FOR ARCHITECT & OWNER REVIEW AND APPROVAL PRIOR TO MANUFACTURING OR ORDERING 3. ALL ROUGH OPENING SIZES SHALL BE FIELD VERIFIED PRIOR TO MANUFACTURING AND ORDERING 4. ALL WINDOWS SHALL BE HANDLED, STORED, INSTALLED AND FINISHED PER THE MANUFACTURER'S SPECIFICATIONS.		

DOOR SCHEDULE									
MARK	LOCATION	ROOM #	SIZE (W x H)	DOOR MAT'L	FRAME TYPE	DOOR TYPE	GLAZING MAT'L	HDW GROUP	REMARKS
(D1)	EXIT CORRIDOR	311	3'-0" X 6'-8"	WD	HM	A7	-	-	INTERIOR
(D2)	UTILITY CLOSET	304	(PR) 3'-0" X 6'-8"	WD	HM	A1	-	-	INTERIOR
(D3)	INTEL SGT.	306	3'-0" X 6'-8"	WD	HM	A1	-	-	INTERIOR
(D4)	INTEL	305	3'-0" X 6'-8"	WD	HM	A1	-	-	INTERIOR
(D5)	E.O.C. LT.	307	3'-0" X 6'-8"	WD	HM	A5	G1	-	INTERIOR
(D6)	CAMERA TECH.	308	3'-0" X 6'-8"	WD	HM	A5	G1	-	INTERIOR
(D7)	CONFERENCE ROOM	303	3'-0" X 6'-8"	WD	HM	A5	G1	-	INTERIOR
(D8)	OFFICE/STORAGE	302	3'-0" X 6'-8"	WD	HM	A5	G1	-	INTERIOR
(D9)	MAIN ENTRY	310	(PR) 2'-0" X 6'-8"	GL		A5	G1	-	INTERIOR, SLIDING
(D10)	FUTURE EXPANSION	300	3'-0" X 6'-8"	WD	HM	A5	G1	-	INTERIOR
(D11)	FOYER	312	3'-0" X 6'-8"	WD	HM	A5	G1	-	INTERIOR

WINDOW SCHEDULE					
WINDOW	MODEL #	MANUFACTURER	WINDOW DIMENSIONS	WINDOW ROUGH OPENING	REMARKS
W1	-	STEELCRAFT	See interior window elevations on sht. A501	per manufacturer	CUSTOM FIXED TEMPERED GLASS SET INTO HOLLOW METAL FRAME
WINDOW NOTES:					
<ul style="list-style-type: none">ALL WINDOWS IN EXISTING TOWER AREA TO BE TINTED TO MATCH THE REST OF THE BUILDING OR AS SELECTED BY OWNERALL WINDOWS TO BE ALUM. STOREFRONT SYSTEM; 'TRI-FAB' VG 451 T LOW-E, CENTER GLAZED STL. REINF. SYSTEM; OR ARCHITECT APPROVED EQUAL.ALL WINDOW UNITS SHALL BE HANDLED, STORED, INSTALLED AND FINISHED AS PER THE MANUFACTURER'S SPECIFICATIONS.ALL WINDOW ROUGH OPENINGS SHALL BE SITE VERIFIED BEFORE FABRICATION.ALL INTERIOR WINDOWS SHALL BE 3/8" THICK CLEAR TEMPERED GLAZING SET IN HOLLOW METAL FRAME.					

<p>1 HOLLOW METAL HEAD - INTERIOR 3" = 1'-0"</p>	<p>2 HOLLOW METAL JAMB - INTERIOR 3" = 1'-0"</p>	<p>3 HOLLOW METAL SILL - INTERIOR 3" = 1'-0"</p>
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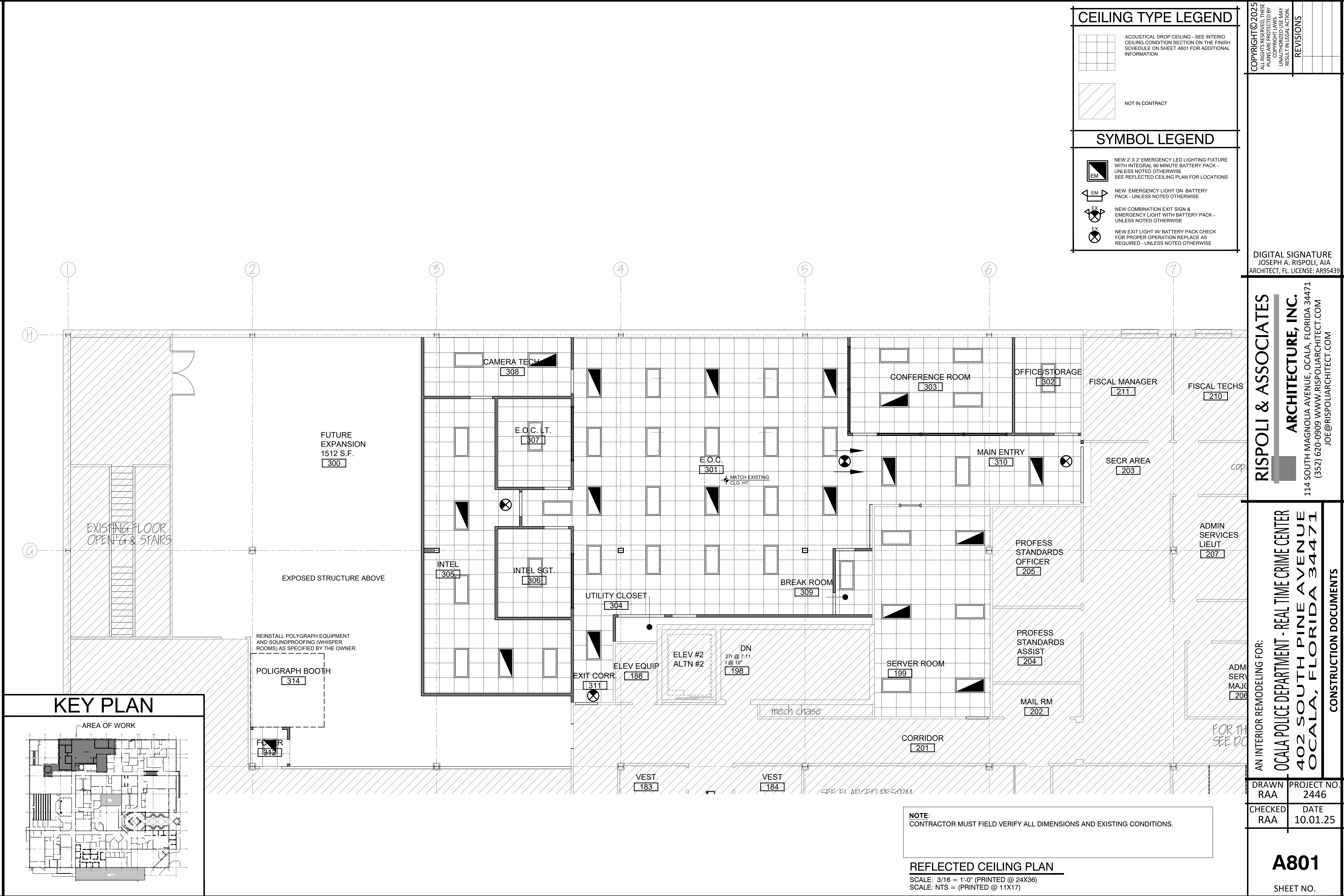
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A601
SHEET NO.



CEILING TYPE LEGEND

	ACOUSTICAL DROP CEILING - SEE INTERIO CEILING CONDITION SECTION ON THE FINISH SCHEDULE ON SHEET A601 FOR ADDITIONAL INFORMATION
	NOT IN CONTRACT

SYMBOL LEGEND

	NEW 2' X 2' EMERGENCY LED LIGHTING FIXTURE WITH INTEGRAL 90 MINUTE BATTERY PACK - UNLESS NOTED OTHERWISE SEE REFLECTED CEILING PLAN FOR LOCATIONS
	NEW EMERGENCY LIGHT ON BATTERY PACK - UNLESS NOTED OTHERWISE
	NEW COMBINATION EXIT SIGN & EMERGENCY LIGHT WITH BATTERY PACK - UNLESS NOTED OTHERWISE
	NEW EXIT LIGHT W/ BATTERY PACK CHECK FOR PROPER OPERATION REPLACE AS REQUIRED - UNLESS NOTED OTHERWISE

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A801

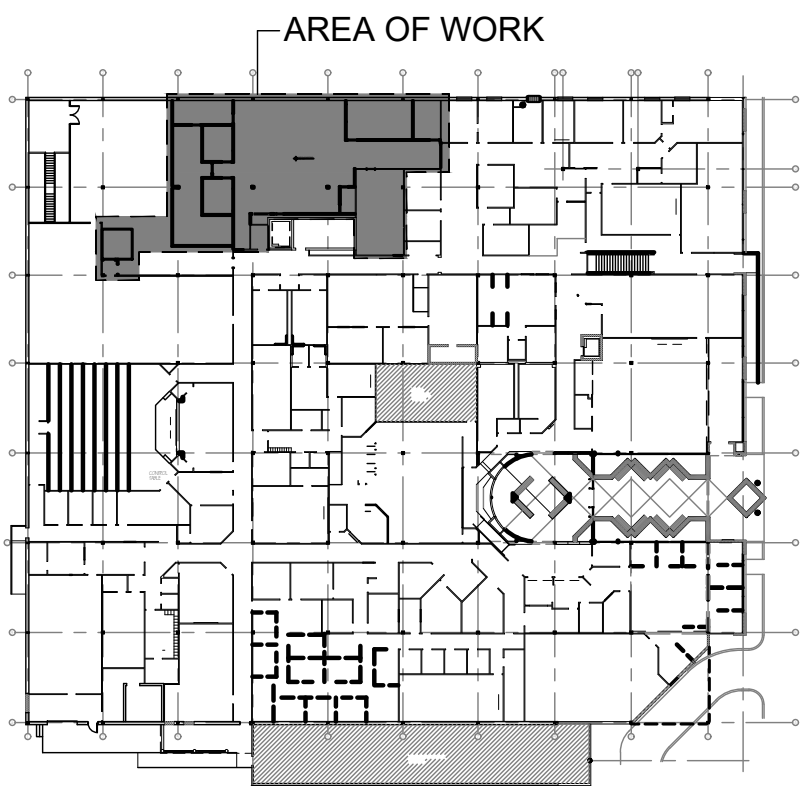
SHEET NO.

NOTE:
CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS.

REFLECTED CEILING PLAN

SCALE: 3/16" = 1'-0" (PRINTED @ 24X36)
SCALE: NTS = (PRINTED @ 11X17)

KEY PLAN



<div>SECTION 09690</div> <div>ACCESS FLOORING</div> <div>PART 1 - GENERAL</div> <div>1.1 Section Includes</div> <div>A. Work of this section includes, but is not limited to: access floor panels, floor coverings, understructure and various electrical, data and communication accessories.</div> <div>1.2 Related Sections</div> <div>A. Concrete sealer shall be compatible with pedestal adhesive, see Divisions 3, and 7.</div> <div>B. Electrical contractor shall provide necessary material and labor to electrically connect the access floor to the building.</div> <div>1.3 Environmental Conditions for Storage and Installation</div> <div>A. Area to receive and store access floor materials shall be enclosed and maintained at ambient temperatures between 35° to 95° F and relative humidity levels between 20% to 80%. All floor panels shall be stored at ambient temperature between 50° to 90° F for at least 24 hours before installation begins. All areas of installation shall be enclosed and maintained at ambient temperature between 50° to 90° F and at relative humidity levels between 20% to 80%, and shall remain within these environmental limits throughout occupancy.</div> <div>1.4 References</div> <div>A. CISCA (Ceilings & Interior Systems Construction Association) - "Recommended Test Procedures for Access Floors" shall be used as a guideline when presenting load performance product information.</div> <div>1.5 Performance Certification</div> <div>A. Product tests shall be witnessed and certified by independent engineering and testing laboratory based in the U.S. with a minimum of five years experience testing access floor components in accordance CISCA "Recommended Test Procedures for Access Floors".</div> <div>1.6 Country-of-Origin and Product Marking</div> <div>A. Access floor materials shall comply with the provisions outlined in FAR Subpart 25.2 – Buy American Act – Construction Materials.</div> <div>B. Floor panels shall be permanently marked with manufacturer's name, product identification, manufacturing date and country-of-origin. Removable Product ID stickers are not acceptable.</div> <div>ACCESS FLOORING</div> <div>09690 - 1</div>		<div>1.7 Performance Requirements</div> <div>A. Design Load: Panel supported on actual understructure (the system) shall be capable of supporting a safe working load or design load of 1000 lbs. This rating signifies that the system will withstand not only a concentrated load placed on a one square inch area at any location on the panel without yielding but also demonstrates the ability to withstand an overload capacity of two times its rating (i.e. a safety factor of 2).</div> <div>B. Safety Factor: Panel supported on actual understructure (the system) shall be capable of withstanding a minimum of (2) two times the design load anywhere on the panel without failure. Failure is defined as the point at which the system will no longer accept the load.</div> <div>C. Uniform Load: Panel supported on actual understructure (the system) shall be capable of supporting a uniform load of 350 lbs./ft2 placed on the entire area of the panel without yielding and generating a permanent set of no more than 0.010" once the load is removed. Note: The uniform load rating of an access floor panel as specified herein should not be confused with the "uniform live load" as specified in seismic zone applications.</div> <div>D. Rolling Load: Panel supported on actual understructure (the system) shall be able to withstand the following rolling loads at any location on the panel without developing a local and overall surface deformation greater than 0.040 inches. Note: wheel 1 and wheel 2 tests shall be performed on two separate panels.</div> <div>Wheel 1: Size: 3" dia x 1 13/16" wide Load: 800 lbs. Passes: 10</div> <div>Wheel 2: Size: 6" dia x 2" wide Load: 600 lbs. Passes: 10,000</div> <div>E. Impact Load: Panel and supporting understructure (the system) shall be capable of supporting an impact load of 150 lbs. dropped from a height of 36 inches onto a one square inch area (using a round or square indenter) at any location on the panel.</div> <div>F. Panel Drop Test: Panel shall be capable of being dropped face up onto to a concrete slab from a height of 36", after which it shall continue to meet all load performance requirements as previously defined.</div> <div>G. Panel Cutout: Panel with an 8" diameter interior cutout supported on actual understructure shall be capable of maintaining its design load strength anywhere on the panel without the use of additional supports.</div> <div>H. Flammability: System shall meet Class A Flame spread requirements for flame spread and smoke development. Tests shall be performed in accordance with ASTM-E84-1998, Standard Test Method for Surface Burning Characteristics for Building Materials.</div> <div>I. Combustibility: All components of the access floor system shall qualify as non-combustible by demonstrating compliance with requirements of ASTM E 136, Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 deg C.</div> <div>ACCESS FLOORING</div> <div>09690 - 2</div>		<div>C. Stringers shall be individually and rigidly fastened to the pedestal with one machine screw for each foot of stringer length. Bolts shall provide positive electrical contact between the stringers and pedestals. Connections depending on gravity or spring action are unacceptable.</div> <div>D. Stringer grid shall be 4' stringers in a basketweave configuration ensuring maximum lateral stability in all directions. (Also available in 2' x 4' and 2' x 2' grid patterns).</div> <div>2.3 Panel Components</div> <div>Floor Panels:</div> <div>A. Panels shall consist of a top steel sheet welded to a formed steel bottom pan filled internally with a lightweight cementitious material. Mechanical or adhesive methods for attachment of the steel top and bottom sheets are unacceptable.</div> <div>B. Floor panels shall be protected from corrosion by electro-deposited epoxy paint. The use of zinc electroplating shall be prohibited.</div> <div>C. Cementitious fill material shall be totally encased within the steel welded shell except where cut for special conditions. Note: This greatly reduces the potential for dust in the environment from exposed cement materials.</div> <div>D. Perforated Airflow Panels: Perforated steel airflow panels designed for static loads of 1000 lbs. shall be interchangeable with standard field panels and shall have 25% open surface area with the following air distribution capability:</div> <div>1. Panel without damper: 746 cfm at 0.1-inch of H₂O (static pressure).</div> <div>2. Panel with damper at 100% open position: 515 cfm at 0.1-inch of H₂O (static pressure).</div> <div>E. Grate Airflow Panels: Die cast aluminum grate panels designed for static and rolling loads shall be interchangeable with standard field panels. Grate panels shall have 56% open area with the following air distribution capability without a damper: 2096 cfm at 0.1-inch of H₂O (static pressure). Grate panels shall have the following load bearing capacities:</div> <div>1. Design Load: Panel supported on actual understructure shall be capable of supporting a safe working or design load of 1000 lbs. placed on a one square inch area, using a round or square indenter, at any location on the panel without yielding.</div> <div>2. Uniform load: 250 lbs./ft.²</div> <div>3. Safety Factor: (2) Times Design Load</div> <div>4. Rolling Load: Grate panel and supporting understructure shall be able to withstand the following rolling loads at any location on the panel without developing a local and overall surface deformation greater than 0.040 inches. Note: wheel 1 and wheel 2 tests shall be performed on two separate panels.</div> <div>Wheel 1: Size: 3" dia x 1 13/16" wide Load: 1000 lbs. Passes: 10</div> <div>Wheel 2: Size: 6" dia x 2" wide Load: 800 lbs. Passes: 10,000</div> <div>5. Impact load: 100 lbs.</div> <div>ACCESS FLOORING</div> <div>09690 - 5</div>		<div>2.4 Accessories</div> <div>A. UL listed Power, Voice & Data Servicersenters shall be provided in locations as detailed on the contract drawings. High capacity 11 ¼ inch square PVD Servicersenters shall be capable of accommodating four duplex receptacles, three knockouts for standard voice/data faceplates or Tate voice/data interface plates (or grommets interface plates), verify with Owner. Standard capacity 7-5/16 by 6-15/16 inch PVD Servicersenters shall be capable of accommodating two duplex receptacles and two Tate voice/data interface plates (or grommets interface plates). The service outlet box shall be a drop-in design having a hinged Lexan lid with carpet insert and Lexan frame with tapered edge. Service outlet box shall be capable of withstanding without failure a load of 800 lb.</div> <div>B. Provide manufacturer's standard fascia plate, perimeter support, and grommets as required for a complete system.</div> <div>C. Provide 9 spare floor panels and 36 square feet of understructure systems for each type used in the project for maintenance stock. Deliver to project in manufacturer's standard packaging clearly marked with the contents.</div> <div>D. Provide 4 panel lifting devices.</div> <div>2.5 Finishes</div> <div>A. Finish the surface of floor panels with floor covering material as indicated on the contract drawings. Where floor coverings are by the access floor manufacturer, the type, color and pattern shall be selected from manufacturer's standard. All areas to be furnished with laminated floor panels must be maintained at ambient temperature between 50° to 90° F and at humidity level between 20% to 80% relative and shall remain within these ranges through installation and occupancy.</div> <div>B. Surface to Ground Resistance of Standard High Pressure Laminate Anti-Static Covering: Average test values shall be within the range of 1,000,000 ohms (1.0 x 10⁶) to 20,000 megaohms (2.0 x 10¹⁰ ohms), as determined by testing in accordance with the test method for conductive flooring specified in Chapter 3 of NFPA 99, but modified to place one electrode on the floor surface and to attach one electrode to the understructure. Resistance shall be tested at 500 volts.</div> <div>2.6 Fabrication Tolerances</div> <div>A. Floor panel flatness measured on a diagonal: +/- 0.035"</div> <div>B. Floor panel flatness measured along edges: +/- 0.025"</div> <div>C. Floor panel width or length of required size: +/- 0.010"</div> <div>D. Floor panel squareness tolerance: +/- 0.015"</div> <div>PART 3 – EXECUTION</div> <div>3.1 Preparation</div> <div>ACCESS FLOORING</div> <div>09690 - 6</div>																											
<div>J. Recycled Content: Panel and understructure system shall be required to have a minimum recycled content of 30%.</div> <div>K. Axial Load: Pedestal support assembly shall provide a 5000 lb. axial load without permanent deformation.</div> <div>L. Overturning Moment: Pedestal support assembly shall provide an average overturning moment of 1000 in-lbs. when glued to a clean, sound, uncoated concrete surface. ICBO number for the specific system or structural calculations shall be required attesting to the lateral stability of the system under seismic conditions.</div> <div>M. Stringer Concentrated Load: Stringer shall be capable of withstanding a concentrated load of 450 lbs. placed in its midspan on a one square inch area using a round or square indenter without exceeding a permanent set of 0.010" after the load is removed.</div> <div>1.8 Design Requirements:</div> <div>A. Access floor system, where indicated on the design documents, shall consist of modular and removable fully encased cementitious filled welded steel panels supported on all four edges by structural steel members which are designed to bolt onto adjustable height pedestal assemblies forming a modular grid pattern.</div> <div>B. Panel shall be easily removed by one person with a suction cup lifting device and shall be interchangeable except where cut for special conditions.</div> <div>C. Quantities, finished floor heights (FFH) and location of accessories shall be as specified on the contract drawings.</div> <div>1.9A Submittals for Review</div> <div>A. Detail sheets, for each proposed product type, which provide the necessary information to describe the product and its performance.</div> <div>B. Test reports, certified by an independent testing laboratory with a minimum of five years experience testing access floor components in accordance with CISCA Recommended Test Procedures, certifying that component parts perform as specified.</div> <div>1.9B Submittals for Information</div> <div>A. Manufacturer's installation instructions and guidelines.</div> <div>B. Manufacturer's Owner Manual outlining recommended care and maintenance procedures.</div> <div>PART 2 - PRODUCTS</div> <div>ACCESS FLOORING</div> <div>09690 - 3</div>		<div>2.1 Manufacturers</div> <div>A. Access floor system shall be as manufactured by Tate Access Floors, Inc. and shall consist of ConCore® 1,000 access floor panel supported by a bolted stringer understructure system.</div> <div>B. Alternative products shall meet or exceed all requirements as indicated herein and must receive <u>prior written approval</u> by the Architect.</div> <div>C. Access floor manufacture shall be ISO9001: 2000 certified demonstrating it has a robust and well documented quality management system with continuous improvement goals and strategies.</div> <div>D. Access floor manufacturer's facilities shall be ISO14001:2004 certified demonstrating that they maintain an environmental management system.</div> <div>2.2 Support Components</div> <div>Pedestals:</div> <div>A. Pedestal assemblies shall be corrosive resistant, all steel welded construction, and shall provide an adjustment range of +/- 1" for finished floor heights 6" or greater. Zinc electroplating shall be prohibited on all pedestal components, including head plate, threaded rod, adjustment nut, pedestal tube, base plate, and all fasteners.</div> <div>B. Pedestal assemblies shall provide a means of leveling and locking the assembly at a selected height, which requires deliberate action to change height setting and prevents vibration displacement.</div> <div>C. Hot dip galvanized steel pedestal head shall be welded to a threaded rod which includes a specially designed adjusting nut. The nut shall provide location lugs to engage the pedestal base assembly, such that deliberate action is required to change the height setting.</div> <div>D. Threaded rod shall provide a specially designed anti-rotation device, such that when the head assembly is engaged in the base assembly, the head cannot freely rotate (for FFH of 6" or greater). Note: This prevents the assembly from inadvertently losing its leveling adjustment when panels are removed from the installation during use.</div> <div>E. Hot dip galvanized pedestal base assembly shall consist of a formed steel plate with no less than 16 inches of bearing area, welded to a 7/8" square steel tube and shall be designed to engage the head assembly.</div> <div>Stringers:</div> <div>A. Stringers shall support each edge of panel.</div> <div>B. Steel stringer shall have conductive galvalnealed coating. Zinc electroplating shall be prohibited on stringers and stringer fasteners.</div> <div>ACCESS FLOORING</div> <div>09690 - 4</div>		<div>A. Examine structural subfloor for unevenness, irregularities and dampness that would affect the quality and execution of the work. Do not proceed with installation until structural floor surfaces are level, clean, and dry as completed by others.</div> <div>B. Concrete sealers, if used, shall be identified and proven to be compatible with pedestal adhesive. Verify that adhesive achieves bond to slab before commencing work.</div> <div>C. Verify dimensions on contract drawings, including level of interfaces including abutting floor, ledges and doorsills.</div> <div>D. The General Contractor shall provide clear access, dry subfloor area free of construction debris and other trades throughout installation of access floor system.</div> <div>E. Area to receive and store access floor materials shall be enclosed and maintained at ambient temperatures between 35° to 95° F and relative humidity levels between 20 to 80%. At least 24 hrs. before installation begins, all floor panels shall be stored at ambient temperatures between 50° to 90° F and relative humidity levels between 20% to 80% and shall remain within these environmental limits throughout occupancy.</div> <div>3.2 Installation</div> <div>A. Pedestal locations shall be established from approved shop drawings so that mechanical and electrical work can be installed without interfering with pedestal installation.</div> <div>B. Installation of access floor shall be coordinated with other trades to maintain the integrity of the installed system. All traffic on access floor shall be controlled by access floor installer. No traffic but that of access floor installers shall be permitted on any floor area for 24 hours to allow the pedestal adhesive to set. Access floor panels shall not be removed by other trades for 72 hours after their installation.</div> <div>C. Floor system and accessories shall be installed under the supervision of the manufacturer's authorized representative and according to manufacturer's recommendations.</div> <div>D. No dust or debris producing operations by other trades shall be allowed in areas where access floor is being installed to ensure proper bonding of pedestals to subfloor.</div> <div>E. Access floor installer shall keep the subfloor broom clean as installation progresses.</div> <div>F. Partially complete floors shall be braced against shifting to maintain the integrity of the installed system where required.</div> <div>G. Additional pedestals as needed shall support panels where floor is disrupted by columns, walls, and cutouts.</div> <div>H. Understructure shall be aligned such that all uncut panels are interchangeable and fit snugly but do not bind when placed in alternate positions.</div> <div>I. Finished floor shall be level, not varying more than 0.062" in 10 feet or 0.125" overall.</div> <div>ACCESS FLOORING</div> <div>09690 - 7</div>		<div>J. Acceptance: General contractor shall accept floor in whole or in part prior to allowing use by other trades.</div> <div>END OF SECTION</div> <div>ACCESS FLOORING</div> <div>09690 - 8</div>																											
<div>AN INTERIOR REMODELING FOR:</div> <div>OCALA POLICE DEPARTMENT - REAL TIME CRIME CENTER</div> <div>402 SOUTH PINE AVENUE</div> <div>OCALA, FLORIDA 34471</div> <div>CONSTRUCTION DOCUMENTS</div> <div>DRAWN RAA</div> <div>PROJECT NO. 2446</div> <div>CHECKED RAA</div> <div>DATE 10.01.25</div> <div>SP101</div> <div>SHEET NO.</div>		<div>COPYRIGHT© 2025 ALL RIGHTS RESERVED. THESE PLANS ARE THE PROPERTY OF RISPOLI & ASSOCIATES, INC. UNAUTHORIZED USE MAY RESULT IN LEGAL ACTION.</div> <div>REVISIONS</div> <table><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <div>DIGITAL SIGNATURE JOSEPH A. RISPOLI, AIA ARCHITECT, FL. LICENSE: AR95439</div> <div>RISPOLI & ASSOCIATES</div> <div>ARCHITECTURE, INC.</div> <div>114 SOUTH MAGNOLIA AVENUE, OCALA, FLORIDA 34471 (352) 620-0909 WWW.RISPOLIARCHITECT.COM JOE@RISPOLIARCHITECT.COM</div>																															

<div>Ocala PD Real Time Crime Center Ocala, FL</div> <div>SECTION 08 42 29.23 SLIDING AUTOMATIC ENTRANCES</div> <div>PART 1 - GENERAL</div> <div>1.1 RELATED DOCUMENTS</div> <div>A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.</div> <div>1.2 SUMMARY</div> <div>A. This Section includes the following types of automatic entrances:<div>1. Interior, single slide, sliding automatic entrances, with automatic locking.</div><div>2. Sliding and fixed panels shall be all glass with top and bottom rail.</div></div> <div>B. Related Sections:<div>1. Division 7 Sections for caulking to the extent not specified in this section.</div><div>2. Division 8 Section "Aluminum-Framed Entrances and Storefronts" for entrances furnished and installed separately in Division 8 Section.</div><div>3. Division 8 Section "Door Hardware" for hardware to the extent not specified in this Section.</div><div>4. Division 26 Sections for electrical connections provided separately including conduit and wiring for power to, and control of, sliding automatic entrances.</div><div>5. Division 28 Sections for systems not specified in this section.</div></div> <div>1.3 REFERENCES</div> <div>A. General: Standards listed by reference, including revisions by issuing authority, form a part of this specification section to extent indicated. Standards listed are identified by issuing authority, authority abbreviation, designation number, title or other designation established by issuing authority. Standards subsequently referenced herein are referred to by issuing authority abbreviation and standard designation.</div> <div>B. Underwriters Laboratories (UL):<div>1. UL 325 - Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems.</div></div> <div>C. American National Standards Institute (ANSI) / Builders' Hardware Manufacturers Association (BHMA):<div>1. ANSI/BHMA A156.10: Standard for Power Operated Pedestrian Doors.</div><div>2. ANSI/BHMA A156.5: Standard for Auxiliary Locks and Associated Products</div><div>3. ANSI Z97.1: Standard for Safety Glazing Materials Used In Buildings - Safety Performance Specifications And Methods Of Test.</div></div> <div>D. Consumer Product Safety Commission (CPSC):<div>1. CPSC 16 CFR 1201: Safety Standard for Architectural Glazing Materials</div></div> <div>E. American Society for Testing and Materials (ASTM):<div>1. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.</div><div>2. ASTM B209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate</div></div> <div>F. American Association of Automatic Door Manufacturers (AAADM):</div> <div>June 27,2025Page 1 of 10</div>	<div>Ocala PD Real Time Crime Center Ocala, FL</div> <div>SECTION 08 42 29.23 SLIDING AUTOMATIC ENTRANCES</div> <div>G. National Fire Protection Association (NFPA):<div>1. NFPA 101 - Life Safety Code.</div><div>2. NFPA 70 - National Electric Code.</div></div> <div>H. International Code Council (ICC):<div>1. IBC: International Building Code</div></div> <div>I. International Organization for Standardization (ISO):<div>1. ISO 9001 - Quality Management Systems</div></div> <div>J. National Association of Architectural Metal Manufacturers (NAAMM):<div>1. Metal Finishes Manual for Architectural and Metal Products.</div></div> <div>K. American Architectural Manufacturers Association (AAMA):<div>1. AAMA 607.1 - Clear Anodic Finishes for Architectural Aluminum.</div><div>2. AAMA 611 Voluntary Specification for Anodized Architectural Aluminum.</div><div>3. AAMA 701 Voluntary Specification for Pile Weatherstripping and Replaceable Fenestration Weatherseals.</div></div> <div>1.4 DEFINITIONS</div> <div>A. Activation Device: Device that, when actuated, sends an electrical signal to the door operator to open the door.</div> <div>B. Knowing act: Consciously initiating the opening of a power operated door using acceptable methods including wall mounted switches such as push plates and controlled access devices such as keypads, card readers and key switches.</div> <div>C. Safety Device: Device that prevents a door from opening or closing, as appropriate.</div> <div>1.5 PERFORMANCE REQUIREMENTS</div> <div>A. General: Provide automatic entrance door assemblies capable of withstanding loads and thermal movements based on testing manufacturer's standard units in assemblies similar to those indicated for this Project.</div> <div>B. Operating Range: Minus 30 deg F (Minus 34 deg C) to 130 deg F (54 deg C).</div> <div>C. Opening-Force Requirements for Egress Doors: Force shall be adjustable; but, not more than 50 lbf (222 N) required to manually set swinging egress door panel(s) in motion.</div> <div>D. Closing-Force Requirements: Not more than 30 lbf (133 N) required to prevent door from closing.</div> <div>E. Sliding automatic entrances specified with automatic locking shall be designed to function as follows when set for secure operation:<div>1. Entrances shall be normally closed and locked by automatic locking system with exterior motion activation system disabled. Interior motion activation system to remain enabled; free egress.</div><div>2. Upon signal from exterior secure activation device, sliding automatic entrances will unlock and open enabling motion activation system. Entrance will be held open as long as an object or pedestrian remains in the activation or safety zones.</div><div>3. Once all activation and safety zones have cleared the entrance will close and re-lock, returning to normal state.</div></div> <div>June 27,2025Page 2 of 10</div>	<div>Ocala PD Real Time Crime Center Ocala, FL</div> <div>SECTION 08 42 29.23 SLIDING AUTOMATIC ENTRANCES</div> <div>4. At any time during the cycle emergency egress can be achieved by utilizing the emergency breakoutway feature.</div> <div>1.6 SUBMITTALS</div> <div>A. General: Submit the following in accordance with Conditions of the Contract and Division 1 Specification Sections.</div> <div>B. Shop Drawings: Include plans, elevations, sections, details, hardware mounting heights, and attachments to other work.</div> <div>C. Color Samples for selection of factory-applied color finishes.</div> <div>D. Closeout Submittals:<div>1. Owner's Manual.</div><div>2. Warranties.</div></div> <div>1.7 QUALITY ASSURANCE</div> <div>A. Installer Qualifications: Manufacturer's authorized representative, with certificate issued by AAADM, who is trained for installation and maintenance of units required for this Project.</div> <div>B. Manufacturer Qualifications: A qualified manufacturer with a manufacturing facility compliant with ISO 9001.</div> <div>C. Manufacturer shall have in place a national service dispatch center providing 24 hours a day, 7 days a week, emergency call back service.</div> <div>D. Certifications: Automatic sliding door systems shall be certified by the manufacturer to meet performance design criteria in accordance with the following standards:<div>1. ANSI/BHMA A156.10.</div><div>2. NFPA 101.</div><div>3. UL 325 listed.</div><div>4. IBC.</div></div> <div>E. Source Limitations: Obtain automatic entrance door assemblies through one source from a single manufacturer.</div> <div>F. Product Options: Drawings indicate sizes, profiles, and dimensional requirements of automatic entrance door assemblies and are based on the specific system indicated. Refer to Division 1 Section "Product Requirements."</div> <div>G. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.</div> <div>H. Emergency-Exit Door Requirements: Comply with requirements of authorities having jurisdiction for automatic entrances serving as a required means of egress.</div> <div>1.8 PROJECT CONDITIONS</div> <div>A. Field Measurements: General Contractor shall verify openings to receive automatic entrance door assemblies by field measurements before fabrication and indicate measurements on Shop Drawings.</div> <div>June 27,2025Page 3 of 10</div>	<div>Ocala PD Real Time Crime Center Ocala, FL</div> <div>SECTION 08 42 29.23 SLIDING AUTOMATIC ENTRANCES</div> <div>B. Mounting Surfaces: General Contractor shall verify all surfaces to be plumb, straight and secure; substrates to be of proper dimension and material.</div> <div>C. Other trades: General Contractor shall advise of any inadequate conditions or equipment.</div> <div>1.9 COORDINATION</div> <div>A. Coordinate size and location of recesses in floors for recessed sliding tracks. Concrete, reinforcement, and formwork, as required, are specified in Division 3.</div> <div>B. Templates: Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing automatic entrances to comply with indicated requirements.</div> <div>C. Electrical System Roughing-in: Coordinate layout and installation of automatic entrance door assemblies with connections to power supplies and security access control system. See Division 28 Section "Electronic Safety and Security" for systems not provided under this section.</div> <div>D. System Integration: Integrate sliding automatic entrances with other systems as required for a complete working installation. Provide electrical interface control capability for activation of sliding automatic entrances by security access system on doors with electric locking.</div> <div>1.10 WARRANTY</div> <div>A. Automatic Entrances shall be free of defects in material and workmanship for a period of one (1) year from the date of substantial completion.</div> <div>B. During the warranty period the Owner shall engage a factory-trained technician to perform service and affect repairs. A safety inspection shall be performed after each adjustment or repair and a completed inspection form shall be submitted to the Owner.</div> <div>C. During the warranty period all warranty work, including but not limited to emergency service, shall be performed during normal working hours.</div> <div>PART 2 - PRODUCTS</div> <div>2.1 AUTOMATIC ENTRANCES</div> <div>A. Manufacturer: Stanley Access Technologies; Dura-Glide™ 3000 All Glass Series sliding automatic entrances.<div>1. Contact: Stanley Access Technologies, Larry Hassell; Phone: M: 321-277-2026, Email: larry.hassell@allegion.com.</div></div> <div>B. Substitutions: Refer to Section 01 25 00 - Substitution Procedures.</div> <div>2.2 MATERIALS</div> <div>A. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.<div>1. Headers, stiles, rails, and frames: 6063-T6.</div><div>2. Extruded Bars, Rods, Profiles, and Tubes: ASTM B 221.</div><div>3. Sheet and Plate: ASTM B 209.</div></div> <div>B. Sealants and Joint Fillers: Performed under Division 7 Section "Joint Sealants".</div> <div>June 27,2025Page 4 of 10</div>	<div><div>COPYRIGHT© 2025 ALL RIGHTS RESERVED. THESE PLANS ARE PROTECTED BY COPYRIGHT LAWS. UNAUTHORIZED USE MAY RESULT IN LEGAL ACTION.</div><div>REVISIONS</div><table><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table><div>DIGITAL SIGNATURE JOSEPH A. RISPOLI, AIA ARCHITECT, FL. LICENSE: AR95439</div></div> <div><div>RISPOLI & ASSOCIATES</div><div>ARCHITECTURE, INC.</div><div>114 SOUTH MAGNOLIA AVENUE, OCALA, FLORIDA 34471 (352) 620-0909 WWW.RISPOLIARCHITECT.COM JOE@RISPOLIARCHITECT.COM</div></div>													<div>Ocala PD Real Time Crime Center Ocala, FL</div> <div>SECTION 08 42 29.23 SLIDING AUTOMATIC ENTRANCES</div> <div>2.3 AUTOMATIC ENTRANCE DOOR ASSEMBLIES</div> <div>A. General: Provide manufacturer's standard automatic entrance door assemblies including doors, sidelights, framing, headers, carrier assemblies, roller tracks, door operators, activation and safety devices, and accessories required for a complete installation.</div> <div>B. Sliding Automatic Entrances:<div>1. Configuration: One sliding leaf and one full sidelight; single slide.</div><div>2. Traffic Pattern: Two-way.</div><div>3. Emergency Breakaway Capability: Sliding leaf and sidelight.</div><div>4. Mounting: Between jambs.</div></div> <div>2.4 COMPONENTS</div> <div>A. Framing Members: Manufacturer's standard extruded aluminum reinforced as required to support imposed loads.<div>1. Nominal Size: 1 3/4 inch by 4 1/2 inch (45 by 115 mm).</div><div>2. Concealed Fastening: Framing shall incorporate a concealed fastening pocket, and continuous flush insert cover, extending full length of each framing member.</div></div> <div>B. Glass Panels and Rails: Manufacturer's standard 1 ¾ inch (45 mm) thick extruded-aluminum tubular rail members. Rail members to be specifically designed by automatic entrance manufacturer for use with glass panel automatic entrance systems. Fasten rails to glass panels by mechanical clamp; adhesive systems not acceptable.<div>1. Top Rail: 6 1/8 inch (156 mm) nominal height.</div><div>2. Bottom Rail: 4 inch (102 mm) nominal height.</div><div>3. Glazing: Provide glazing for sliding automatic entrances as follows:<div>a. Provide safety glass complying with ANSI Z97.1 and CPSC 16 CFR 1201 for Category II materials.</div><div>b. Safety Glass: 1/2 inch (12 mm) frosted and opaque, fully tempered, with polished edges, in all panels.</div></div></div> <div>C. Headers: Fabricated from extruded aluminum and extending full width of automatic entrance door units to conceal door operators, carrier assemblies, and roller tracks. Provide hinged or removable access panels for service and adjustment of door operators and controls. Secure panels to prevent unauthorized access.<div>1. Mounting: Concealed, with one side of header flush with framing.</div><div>2. Capacity: Capable of supporting up to 220 lb (100 kg) per panel, up to four panels, over spans up to 14 feet (4.3 m) without intermediate supports.</div></div> <div>D. Carrier Assemblies and Overhead Roller Tracks: Manufacturer's standard carrier assembly that allows vertical adjustment of at least 1/8 inch (3 mm); consisting of urethane with precision steel lubricated ball-bearing wheels, operating on a continuous roller track. Support panels from carrier assembly by load wheels and anti-riser wheels with factory adjusted cantilever and pivot assembly. Minimum two ball-bearing load wheels and two anti-rise rollers for each active leaf. Minimum load wheel diameter shall be 2 1/2 inch (64 mm); minimum anti-rise roller diameter shall be 2 inch (51 mm).</div> <div>E. Thresholds: Manufacturer's standard thresholds as indicated below:<div>1. Continuous standard square extrusion, for recessed installation.</div><div>2. All thresholds to conform to details and requirements for code compliance.</div></div> <div>F. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, non-staining, non-bleeding fasteners and accessories compatible with adjacent materials.</div> <div>June 27,2025Page 5 of 10</div>	<div>Ocala PD Real Time Crime Center Ocala, FL</div> <div>SECTION 08 42 29.23 SLIDING AUTOMATIC ENTRANCES</div> <div>G. Signage: Provide signage in accordance with ANSI/BHMA A156.10.</div> <div>2.5 DOOR OPERATORS</div> <div>A. General: Provide door operators of size recommended by manufacturer for door size, weight, and movement; for condition of exposure; and for long-term, operation under normal traffic load for type of occupancy indicated.</div> <div>B. Electromechanical Operators: Self-contained overhead unit powered by a minimum of 1/4 horsepower, permanent-magnet DC motor with gear reduction drive, microprocessor controller; and encoder.<div>1. Operation: Power opening and power closing.</div><div>2. Features:<div>a. Adjustable opening and closing speeds.</div><div>b. Adjustable open check and close check speeds.</div><div>c. Adjustable hold-open time between 0 and 30 seconds.</div><div>d. Obstruction recycle.</div><div>e. On/Off switch to control electric power to operator.</div><div>f. Energy conservation switch that reduces door-opening width.</div><div>g. Closed loop speed control with active braking and acceleration.</div><div>h. Adjustable obstruction recycle time delay.</div><div>i. Self-adjusting stop position.</div><div>j. Self-adjusting closing compression force.</div><div>k. Onboard sensor power supply.</div><div>l. Onboard sensor monitoring.</div><div>m. Optional Switch to open/Switch to close operation.</div><div>n. Fire alarm interface, configurable to safely open or close the entrance on signal from fire alarm system.</div></div><div>3. Mounting: Concealed.</div><div>4. Drive System: Synchronous belt type.</div></div> <div>C. Electrical service to door operators shall be provided under Division 26 Electrical. Minimum service to be 120 VAC, 5 amps.</div> <div>2.6 ELECTRICAL CONTROLS</div> <div>A. Electrical Control System: Electrical control system shall include a microprocessor controller and a high-resolution position encoder. The encoder shall monitor revolutions of the operator shaft and send signals to microprocessor controller to define door position and speed.<div>1. The high-resolution encoder shall have a resolution of not less than 1024 counts per revolution. Systems utilizing external magnets and magnetic switches are not acceptable.</div><div>2. Electrical control system shall include a 24 VDC auxiliary output rated at 1 amp.</div></div> <div>B. Performance Data: The microprocessor shall collect, and store performance data as follows:<div>1. Counter: A non-resettable counter to track operating cycles.</div><div>2. Event Reporting: Unit shall include non-volatile event and error recording including number of occurrences of events and errors, and cycle count of most recent events and errors.</div><div>3. LED Display: Display presenting the current operating state of the controller.</div></div> <div>C. Controller Protection: The microprocessor controller shall incorporate the following features to ensure trouble free operation:<div>1. Automatic Reset Upon Power Up.</div><div>2. Main Fuse Protection.</div><div>3. Electronic Surge Protection.</div></div> <div>June 27,2025Page 6 of 10</div>	<div>Ocala PD Real Time Crime Center Ocala, FL</div> <div>SECTION 08 42 29.23 SLIDING AUTOMATIC ENTRANCES</div> <div>4. Internal Power Supply Protection.</div> <div>5. Resettable sensor supply fuse protection.</div> <div>6. Motor Protection, over-current protection.</div> <div>D. Soft Start/Stop: A "soft-start" "soft-stop" motor driving circuit shall be provided for smooth normal opening and recycling.</div> <div>E. Obstruction Recycle: Provide system to recycle the sliding panels when an obstruction is encountered during the closing cycle. If an obstruction is detected, the system shall search for that object on the next closing cycle by reducing door closing speed prior to the previously encountered obstruction location, and will continue to close in check speed until doors are fully closed, at which time the doors will reset to normal speed. If obstruction is encountered again, the door will come to a full stop. The doors shall remain stopped until obstruction is removed and operate signal is given, resetting the door to normal operation.</div> <div>F. Programmable Controller: Microprocessor controller shall be field programmable.<div>1. The following parameters may be adjusted:<div>a. Operating speeds and forces as required to meet specified ANSI/BHMA standard.</div><div>b. Adjustable and variable features specified.</div><div>c. Reduced opening position.</div></div><div>2. Manual programming shall be available through local interface which has a two-digit display with a selection control including three push buttons.</div></div> <div>2.7 ACTIVATION AND SAFETY DEVICES</div> <div>A. Primary Activation: Secure activation device provided by others as specified in Division 28 - Electronic Safety and Security.</div> <div>B. Combined Activation and Safety Sensors: Combined activation and safety sensors shall, in a single housing, detect motion and presence in accordance with ANSI/BHMA A156.10. Motion shall be detected using K-band microwave technology, presence by active infrared reflection technology.<div>1. Mounting Height: Up to 11.5 feet (3.5 m) above finish floor</div><div>2. Temperature Range: Between -31°F and 131°F (-35°C to 55°C) in all environmental conditions</div><div>3. Relays: Form C, 50V at 0.3A for both activation and safety. Hold time of less than 0.5 seconds.</div><div>4. Detection Pattern: When detection is made in the activation zone, and the entrance opens, the safety zone shall extend through the threshold on each side, creating an X-pattern. When activation and safety zones are cleared and the entrance closes the sensor will ignore the X-pattern safety zones.</div><div>5. Motion activation is secondary to knowing act activation when set for secure operation.</div><div>6. Combined motion and presence sensors shall be equal to or better than X-Zone Sensor by Optex.</div></div> <div>C. Photoelectric Beams: In addition to the threshold sensor include a minimum of two (2) doorway holding beams. Photoelectric beams shall be pulsed infrared type, including sender receiver assemblies for surface mounting.</div> <div>D. Presence Sensor Monitoring: Sliding automatic entrances control system shall include a means to verify the functionality of all active presence sensors in accordance with ANSI/BHMA A156.10. A detected fault shall cause automatic operation to cease until the fault is corrected.</div> <div>2.8 HARDWARE</div> <div>June 27,2025Page 7 of 10</div>	<div>Ocala PD Real Time Crime Center Ocala, FL</div> <div>SECTION 08 42 29.23 SLIDING AUTOMATIC ENTRANCES</div> <div>A. General: Provide units in sizes and types recommended by automatic entrance door and hardware manufacturers for entrances and uses indicated.</div> <div>B. Emergency Breakaway Feature: Provide release hardware that allows panel(s) to swing out in direction of egress to full 90 degrees from any position in sliding mode. Maximum force to open panel shall be 50 lbf (222 N) according to ANSI/BHMA A156.10. Interrupt powered operation of panel operator while in breakaway mode.<div>1. Emergency breakaway feature shall include at least one adjustable detent device mounted in the top of each breakaway panel to control panel breakoutway force.</div><div>2. Limit Arms: Limit arms shall be provided to control swing of sliding or non-sliding panels on break-out; swing shall not exceed 90 degrees. Limit arms shall be spring loaded to prevent shock, and include adjustable friction damping.</div></div> <div>C. Deadlocks: Manufacturer's standard deadbolt operated by exterior cylinder and interior thumb turn; with minimum 3/4 inch (19 mm) long throw bolt.<div>1. Cylinders: Provide standard 1 1/8 inch (29 mm) mortised cylinders with core.</div><div>2. Locking: Provide independent locks incorporated into the bottom rails of the sliding panel that, when engaged, automatically extend flush bolts into the threshold.</div></div> <div>D. Automatic Locking System: Provide automatic locking hardware on sliding automatic entrances as follows:<div>1. System shall include a fail-secure electric solenoid locking device with a self-contained solid-state electronic control factory mounted inside the header.</div><div>2. When set for secure operation, the automatic sliding entrance(s) shall electrically latch in the closed position preventing door panels from sliding manually, returning the system to its locked status.</div><div>3. During a power interruption:<div>a. The solenoid lock shall be engaged, preventing the doors from sliding manually.</div><div>b. Means of egress shall be accomplished by standard emergency breakoutway feature.</div></div></div> <div>E. Control Switch: Provide manufacturer's standard header mounted rocker switches and door position switch to allow for full control of the automatic entrance door. Controls to include, but are not limited to:<div>1. One-way traffic</div><div>2. Reduced Opening</div><div>3. Open/Closed/Automatic</div></div> <div>F. Power Switch: Sliding automatic entrances shall be equipped with a two position On/Off rocker switch to control power to the door.</div> <div>G. Sliding Weather Stripping: Manufacturer's standard replaceable components complying with AAMA 701; made of flexible PVC.</div> <div>H. Weather Sweeps: Manufacturer's standard adjustable nylon brush sweep mounted to underside of door bottom.</div> <div>2.9 FABRICATION</div> <div>A. General: Factory fabricates automatic entrance door assembly components to designs, sizes, and thickness indicated and to comply with indicated standards.<div>1. Form aluminum shapes before finishing</div><div>2. Use concealed fasteners to greatest extent possible.<div>a. Where fasteners are subject to loosening or turning out from thermal and structural movements, wind loads, or vibration, use self-locking devices.</div></div></div> <div>June 27,2025Page 8 of 10</div>	<div><div>AN INTERIOR REMODELING FOR:</div><div>Ocala Police Department - Real Time Crime Center</div><div>402 South Pine Avenue</div><div>Ocala, Florida 34471</div><div>CONSTRUCTION DOCUMENTS</div></div> <div><div>DRAWN RAA</div><div>CHECKED RAA</div></div> <div><div>PROJECT NO. 2446</div><div>DATE 10.01.25</div></div> <div>SP102</div> <div>SHEET NO.</div>

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b. Reinforce members as required to receive fastener threads.

B. Framing: Provide automatic entrances as prefabricated assemblies.

1. Fabricate tubular and channel frame assemblies with manufacturer's standard mechanical or welded joints. Provide sub-frames and reinforcement as required for a complete system to support required loads.

2. Perform fabrication operations in manner that prevents damage to exposed finish surfaces.

3. Form profiles that are sharp, straight, and free of defects or deformations.

4. Prepare components to receive concealed fasteners and anchor and connection devices.

5. Fabricate components with accurately fitted joints with ends coped or mitered to produce hairline joints free of burrs and distortion.

C. Doors: Factory fabricated and assembled in profiles indicated. Reinforce as required to support imposed loads and for installing hardware.

D. Door Operators: Factory fabricated and installed in headers, including adjusting and testing.

E. Glazing: Fabricate framing with minimum glazing edge clearances for thickness and type of glazing indicated.

F. Hardware: Factory install hardware to the greatest extent possible; remove only as required for final finishing operation and for delivery to and installation at Project site.

2.10 ALUMINUM FINISHES

A. General: Comply with NAAMM Metal Finishes Manual for Architectural and Metal Products for recommendations for applying and designing finishes. Finish designations prefixed by AA comply with system established by Aluminum Association for designing finishes.

B. Class II, Clear Anodic Finish: AA-M12C22A31 Mechanical Finish: as fabricated; Chemical Finish: etched, medium matte; Anodic Coating: Architectural Class II, clear coating 0.40 mils minimum complying with AAMA 611-98, and the following:

1. AAMA 607.1

2. Applicator must be fully compliant with all applicable environmental regulations and permits, including wastewater and heavy metal discharge.

PART 3 - EXECUTION

3.1 INSPECTION

A. Examine conditions for compliance with requirements for installation tolerances, header support, and other conditions affecting performance of automatic entrances. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. General: Do not install damaged components. Fit frame joints to produce joints free of burrs and distortion. Rigidly secure non-movement joints.

B. Entrances: Install automatic entrances plumb and true in alignment with established lines and grades without warp or rack of framing members and doors. Anchor securely in place.

1. Install surface-mounted hardware using concealed fasteners to greatest extent possible.

2. Set headers, carrier assemblies, tracks, operating brackets, and guides level and true to location with anchorage for permanent support.

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C. Door Operators: Connect door operators to electrical power distribution system as specified in Division 26 Sections.

D. Glazing: Glaze sliding automatic entrance door panels in accordance with, the Glass Association of North America (GANA) Glazing Manual, published recommendations of glass product manufacturer, and sliding automatic entrance manufacturer's instructions.

E. Sealants: Comply with requirements specified in Division7 Section "Joint Sealants".

3.3 FIELD QUALITY CONTROL

A. Testing Services: Factory Trained Installer shall test and inspect each automatic entrance door to determine compliance of installed systems with applicable ANSI standards.

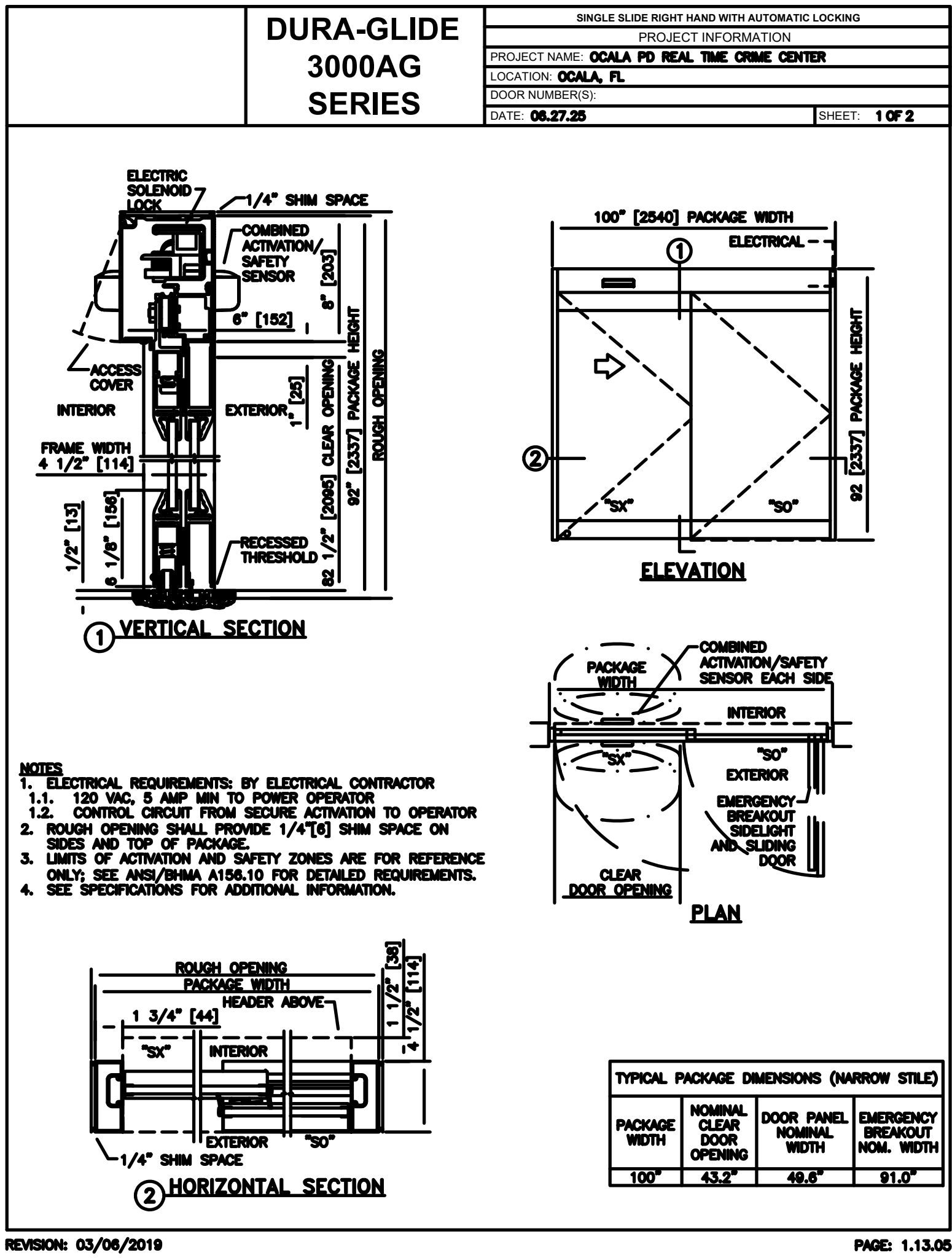
3.4 ADJUSTING

A. Adjust door operators, controls, and hardware for smooth and safe operation, for tight closure, and complying with requirements in ANSI/BHMA A156.10.

3.5 CLEANING AND PROTECTION

A. Clean glass and aluminum surfaces promptly after installation. Remove excess glazing and sealant compounds, dirt, and other substances. Repair damaged finish to match original finish. Comply with requirements in Division 8 Section "Glazing", for cleaning and maintaining glass.

END OF SECTION 08 42 29.23



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REVISIONS

NO.	DESCRIPTION	DATE

DIGITAL SIGNATURE
JOSEPH A. RISPOLI, AIA
ARCHITECT, FL. LICENSE: AR95439

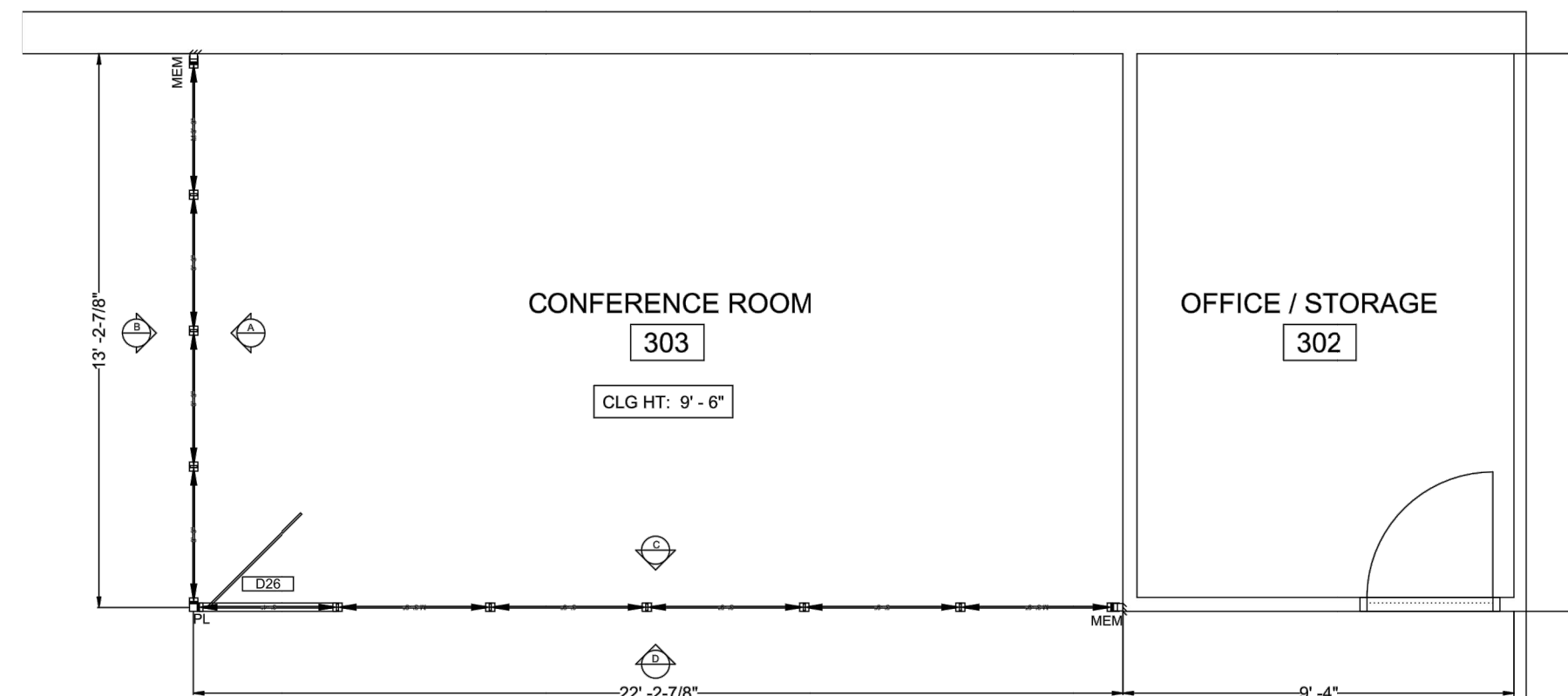
RISPOLI & ASSOCIATES
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AN INTERIOR REMODELING FOR:
OCALA POLICE DEPARTMENT - REAL TIME CRIME CENTER
402 SOUTH PINE AVENUE
OCALA, FLORIDA 34471
CONSTRUCTION DOCUMENTS

DRAWN RAA	PROJECT NO. 2446
CHECKED RAA	DATE 10.01.25


SP103

SHEET NO.



KEY NOTE

SCOPE OF WORK

Project No.	2001	Review this drawing carefully. If any of the services are utilized after the date shown, the user assumes all responsibility for the use of the information provided by this drawing. It is the responsibility of the user not to use the information for any other purpose than that intended.		Revision	
Scale	1/4" = 1'-0"	No.	1	Date	8.14.2020
Size	7.25x5	 OCBC Business Interiors 1601 NW 68th Blvd, Gainesville, FL 32608 Phone: 352.333.3333 Fax: 352.333.3332 www.ocbc.com			
Drawn by:	SH	1601 NW 68th Blvd, Gainesville, FL 32608 Phone: 352.333.3333 Fax: 352.333.3332 www.ocbc.com			
Client:	BW	1601 NW 68th Blvd, Gainesville, FL 32608 Phone: 352.333.3333 Fax: 352.333.3332 www.ocbc.com			
Client Manager:		1601 NW 68th Blvd, Gainesville, FL 32608 Phone: 352.333.3333 Fax: 352.333.3332 www.ocbc.com			

view this drawing carefully; design services are billable after one week. This drawing was prepared based on information that was provided by the end user. It is the responsibility of that end user to verify the content and accuracy of this drawing and its specification. This drawing is property of OEC Business Interiors, created for the use of OEC Business Interiors, and shall not be reproduced to solicit bids or quotes nor any other dealers or manufacturers.

ROOM 303 CONFERENCE ROOM

OCALA POLICE DEPARTMENT

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AN INTERIOR REMODELING FOR:
OCALA POLICE DEPARTMENT - REAL TIME CRIME CENTER
402 SOUTH PINE AVENUE
OCALA, FLORIDA 34471
CONSTRUCTION DOCUMENTS

DRAWN RAA	PROJECT NO. 2446
CHECKED RAA	DATE 10.01.25

SP104

SHEET NO.

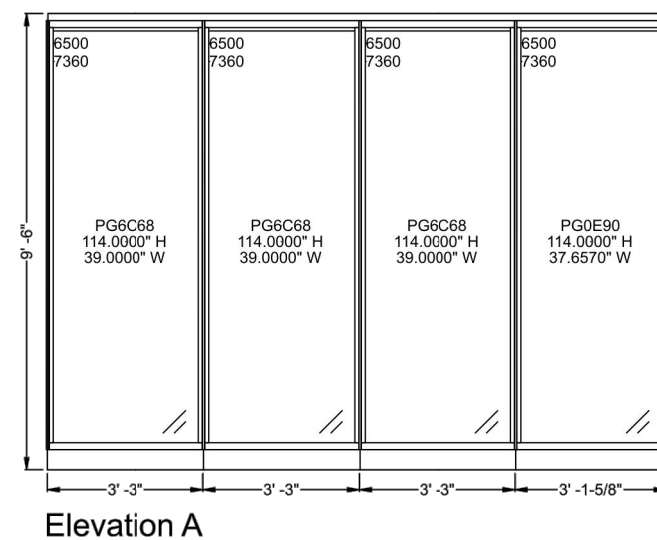
REVISIONS

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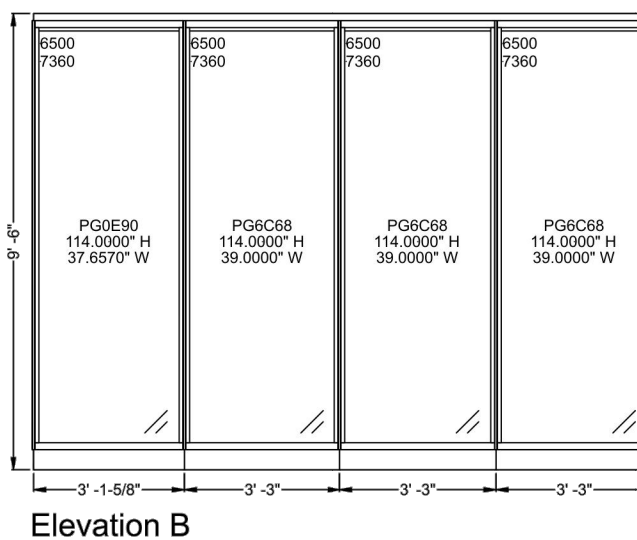
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CONSTRUCTION DOCUMENTS

PRIVACY WALL ELEVATIONS

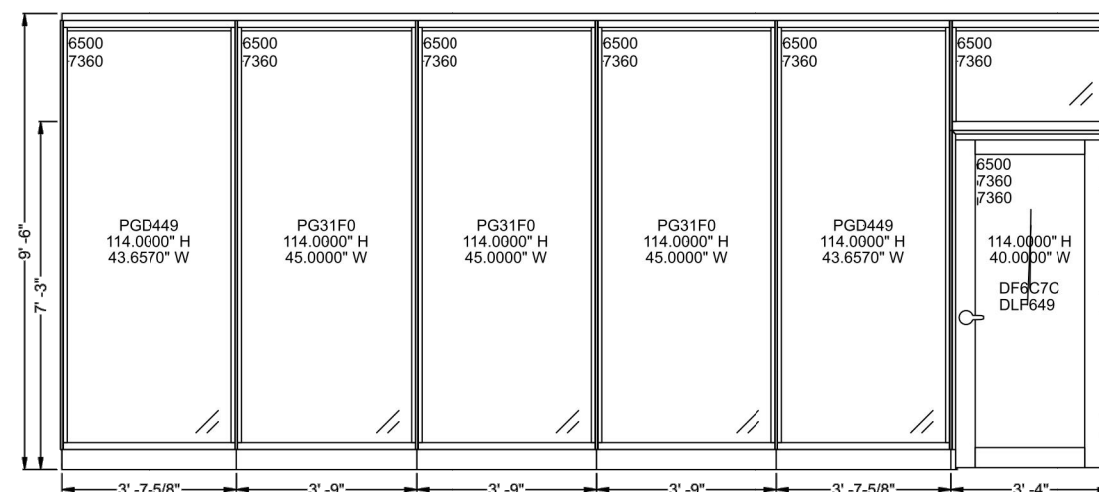
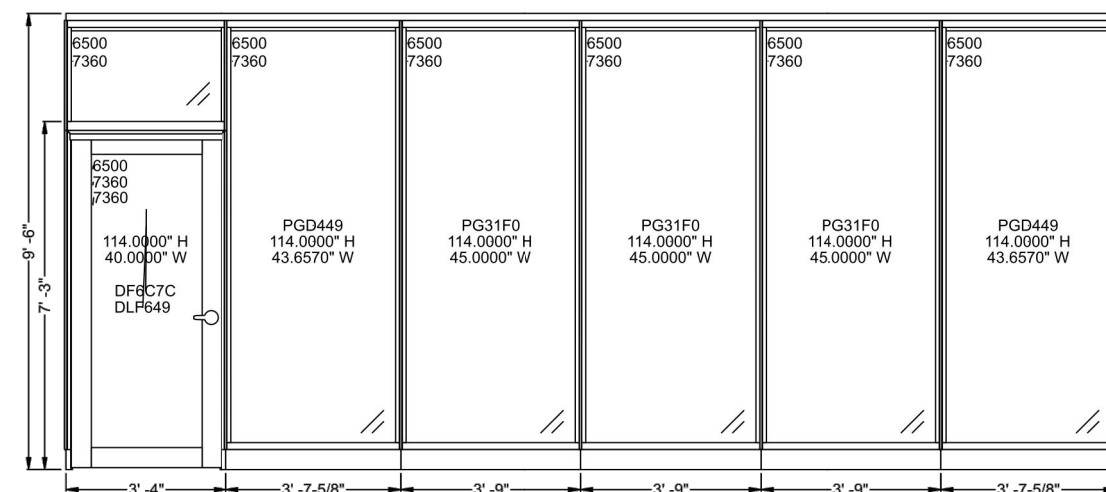


Elevation A



Elevation B

Linear Footage Legend	
Description	Linear Footage
Privacy Wall Glass Panel	62'9.94"
Privacy Wall Swing Door	0"
Posts, Mini-Ends, Finished End & Bypass (including LS)	1'0.56"
Total Linear Footage - Privacy Wall	70'6.51"
Total Linear Footage	70'6.51"

Elevation CElevation D

Project No.	24001	Review this drawing carefully. Significant changes are indicated after the first review by the engineer. It is the responsibility of the client and owner to provide the review. The engineer is not responsible for the review.	Revision	212
Scale	1/4" = 1'-0"		No.	1
Date	7-25-25		Date	8-14-25
Drawn by	SH			
Checked by	SH			
Design Engineer	BW			
Contract Manager				

It is the responsibility of that end user to ensure that the drawings and specifications are correct and that they are not reproduced to any other dealers or manufacturers.

ROOM 303 CONFERENCE ROOM

OCALA POLICE DEPARTMENT

AN INTERIOR REMODELING FOR:

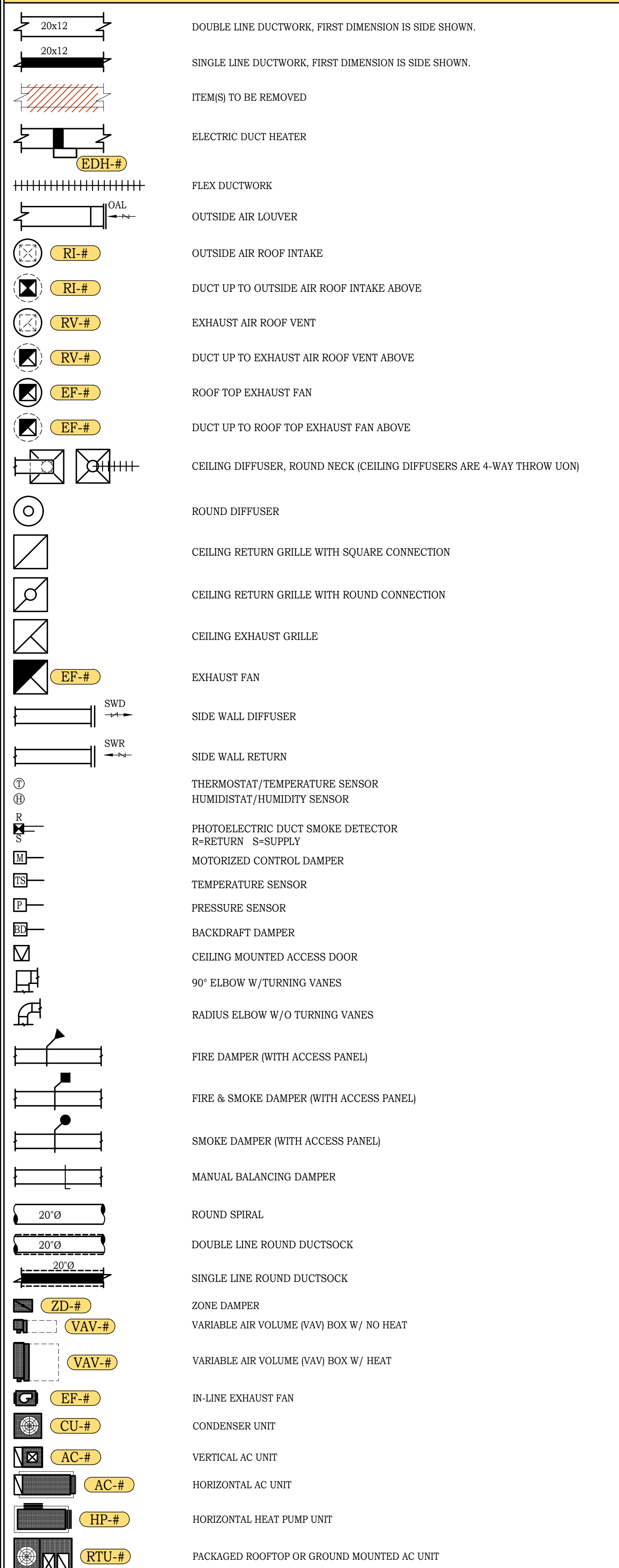
DRAWN RAA	PROJECT NO. 2446
CHECKED RAA	DATE 10.01.25

SP104

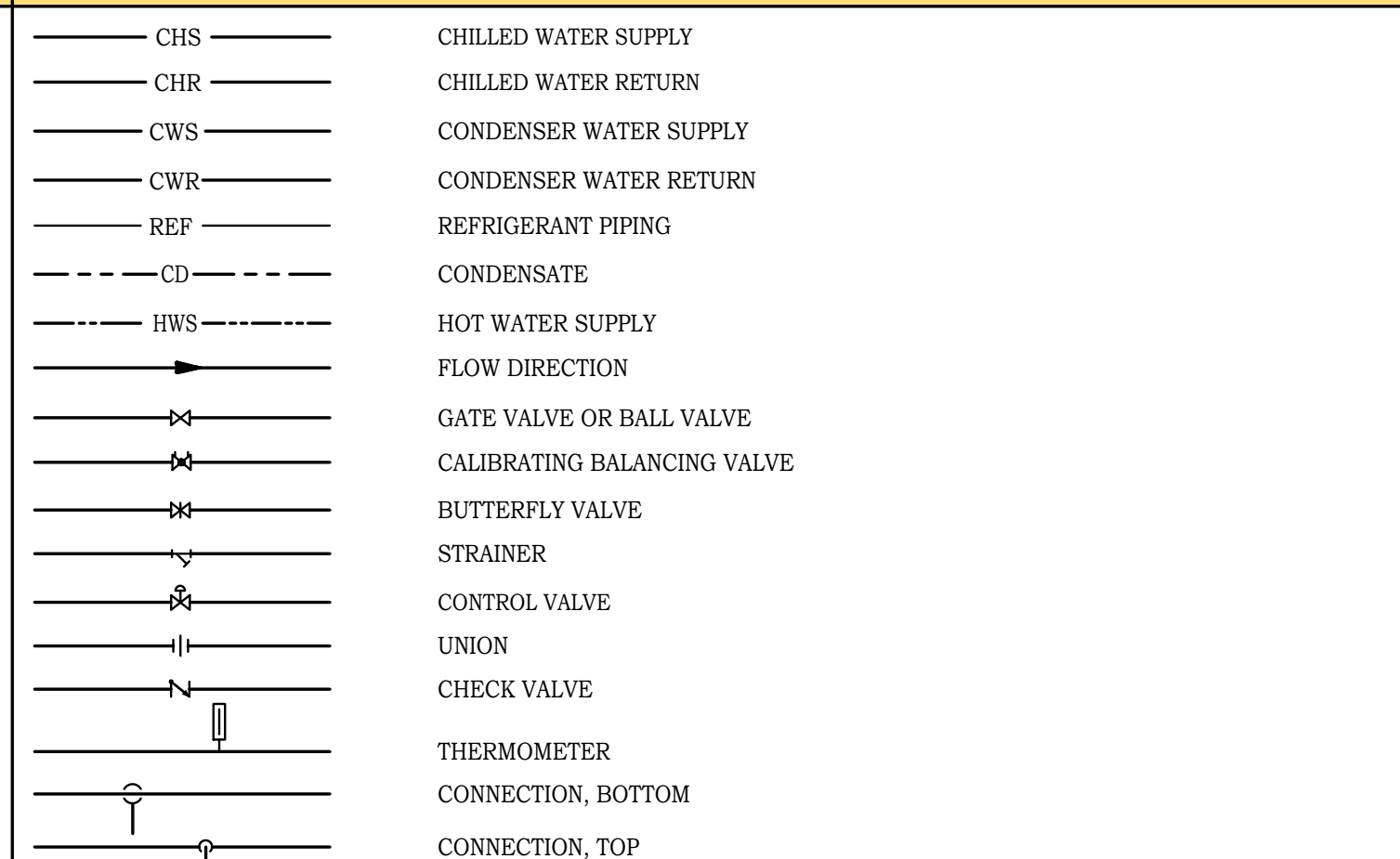
SHEET NO.

MECHANICAL SYMBOLS LEGEND, NOTES, AND SPECIFICATIONS

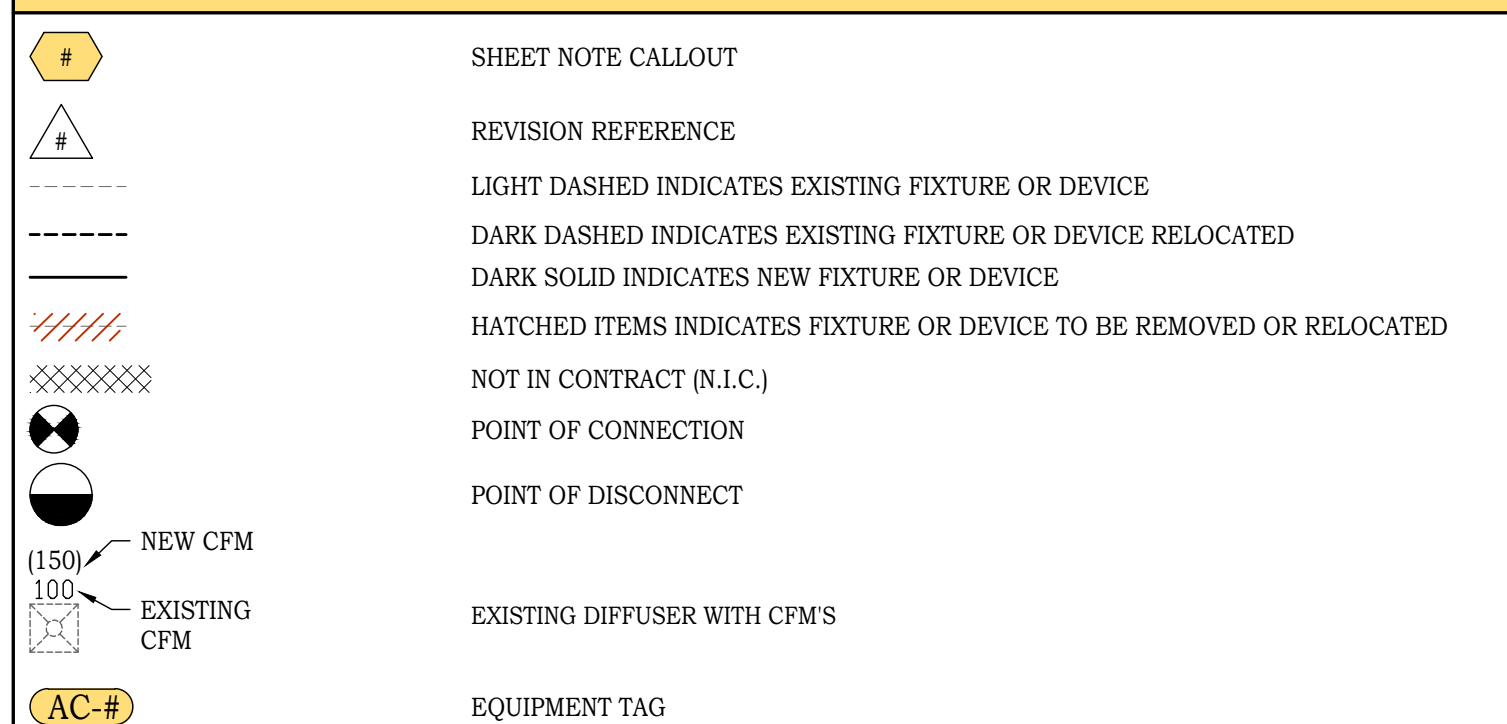
HVAC LEGEND



HVAC PIPING LEGEND



MISCELLANEOUS



ABBREVIATIONS

ABV	- ABBREVIATION	HZ	- HERTZ
AC	- AIR CONDITIONER	IN	- INCHES
AFF	- ABOVE FINISHED FLOOR	IW	- INDIRECT WASTE
AFG	- ABOVE FINISHED GRADE	KEF	- KITCHEN EXHAUST FAN
AHU	- AIR HANDLING UNIT	KSF	- KITCHEN SUPPLY FAN
AP	- ACCESS PANEL	KW	- KILOWATT
AS	- AIR SEPARATOR	LAT	- LEAVING AIR TEMPERATURE
BD	- BYPASS DAMPER	LF	- LINEAR FOOT
BOP	- BOTTOM OF PIPE	LWT	- LEAVING WATER TEMPERATURE
BHP	- BRAKE HORSE POWER	LD	- LINEAR DIFFUSER
BTUH	- BRITISH THERMAL UNIT	LQ	- LIQUID
CAP	- CAPACITY	LP	- LOOP PUMPS
CD	- CONDENSATE DRAIN	MAU	- MAKE-UP AIR UNIT
CFM	- CUBIC FEET PER MINUTE	MAX	- MAXIMUM
CH	- CHILLER	MBH	- THOUSAND BTU PER HOUR
CHP	- CHILLED WATER PUMP	MCA	- MINIMUM CIRCUIT AMPACITY
CHR	- CHILLED WATER RETURN	MECH	- MECHANICAL
CHS	- CHILLED WATER SUPPLY	MIN	- MINIMUM
COMB	- COMBINATION	MD	- MOTORIZED DAMPER
CONN	- CONNECTION	NC	- NORMALLY CLOSED
CONT	- CONTINUE	NFPA	- NATIONAL FIRE PROTECTION ASSOCIATION
CT	- COOLING TOWER	NO	- NORMALLY OPEN
CW	- COLD WATER	NOM	- NOMINAL
CWP	- CONDENSER WATER PUMP	NTS	- NOT TO SCALE
CWS	- CONDENSER WATER SUPPLY	OA	- OUTSIDE AIR
CWR	- CONDENSER WATER RETURN	OAU	- OUTSIDE AIR UNIT
CU	- CONDENSING UNIT	OC	- ON CENTER
DB	- DRY BULB	PD	- PRESSURE DROP
DIA	- DIAMETER	PH	- PHASE
DG	- DOOR GRILLE	PRV	- PRESSURE REDUCING VALVE
DL	- DOOR LOUVER	PSI	- POUNDS PER SQUARE INCH
DN	- DOWN	PSIG	- PSI GAUGE
DP	- DIFFERENTIAL PRESSURE	PTAC	- PACKAGED TERMINAL AIR CONDENSER
DWG	- DRAWING	PVC	- POLYVINYL CHLORIDE PIPE
EA	- EXHAUST AIR	QTY	- QUANTITY
EAT	- ENTERING AIR TEMPERATURE	RA	- RETURN AIR
EDH	- ELECTRIC DUCT HEATER	REF	- REFRIGERANT
EER	- ENERGY EFFICIENCY RATIO	RG	- RETURN GRILLE
EF	- EXHAUST FAN	RPM	- REVOLUTIONS PER MINUTE
EFF	- EFFICIENCY	RLA	- RATED LOAD AMPS
EG	- EXHAUST GRILLE	RTU	- ROOF TOP UNIT
ENT	- ENTERING	SA	- SUPPLY AIR
ESP	- EXTERNAL STATIC PRESSURE	SEER	- SEASONAL ENERGY EFFICIENCY RATING
ET	- EXPANSION TANK	SEN	- SENSIBLE
EWT	- ENTERING WATER TEMPERATURE	SD	- SMOKE DAMPER
EXP	- EXPANSION	SP	- STATIC PRESSURE
FA	- FACE AREA	SWD	- SIDEWALL DIFFUSER
FCU	- FAN COIL UNIT	SWR	- SIDEWALL RETURN
FD	- FAN DAMPER	T	- THERMOSTAT
FLA	- FULL LOAD AMPS	TEMP	- TEMPERATURE
PLEX	- FLEXIBLE	TG	- TRANSFER GRILLE
FPM	- FEET PER MINUTE	TSH	- TOTAL SENSIBLE HEAT
FS	- FLOOR SINK	TSP	- TOTAL STATIC PRESSURE
FT	- FEET	TYP	- TYPICAL
FV	- FACE VELOCITY	UC	- UNDER CUT
G	- GAUGE	UG	- UNDER GROUND
GPM	- GALLONS PER MINUTE	UON	- UNLESS OTHERWISE NOTED
HP	- HORSE POWER	VAV	- VARIABLE AIR VOLUME
HB	- HOSE BIBB	VLV	- VALVE
HR	- HOUR	VSD	- VARIABLE SPEED DRIVE
HW	- HOT WATER	WB	- WET BULB
HWR	- HOT WATER RETURN	ZD	- ZONE DAMPER
HWS	- HOT WATER SUPPLY	ΔT	- CHANGE IN TEMPERATURE
			- CHANGE IN PRESSURE

GENERAL NOTES

1. VERIFY THAT ALL EQUIPMENT, AS SHOWN ON THESE DRAWINGS, WILL NOT CONFLICT WITH ANY DRAINS, SCUTTLINGS, JOINTS, VENTS, PIPING OR OTHER EQUIPMENT PRIOR TO INSTALLATION.
2. EQUIPMENT SUPPLIER SHALL PROVIDE COMPLETE INFORMATION AND COOPERATE WITH THE OWNER'S REPRESENTATIVE AS REQUIRED FOR THE PROPER COMPLETION OF THE INSTALLATION.
3. CONTRACTOR SHALL ADMINISTER AND SUBMIT ALL DRAWINGS FOR PERMITTING.
4. ALL OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM ANY EXHAUST FAN, GAS OR PLUMBING VENT.
5. PROVIDE VIBRATION ISOLATION DEVICES AND FLEXIBLE CONNECTIONS TO ALL MOVING MACHINERY.
6. ALL PIPING AND DUCTWORK SHALL BE SHOWN ON DRAWINGS AND SHALL BE PROTECTED FROM DAMAGE.
7. COORDINATE WITH ALL OTHER TRADES, ALL REQUIRED OPENINGS AND ROOF PENETRATIONS, ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, WALLS AND ROOF SHALL BE MADE AND INSTALLED INTO THE STRUCTURE WITH THE USE OF SLEEVES, CURBS, ETC.
8. PROVIDE SHOP DRAWINGS FOR ALL HVAC EQUIPMENT AND MATERIALS.
9. CONTROL PANELS AND REMOTE SENSORS SHALL BE LOCATED GENERALLY AS SHOWN. EXACT LOCATIONS SHALL BE FIELD COORDINATED TO AVOID INTERFERENCE WITH WALL MOUNTED WORK.
10. FURNISH AND INSTALL 4" HIGH BLACK NAMEPLATES FOR ALL EQUIPMENT.
11. FIELD VERIFY ALL EXISTING SERVICES PRIOR TO START OF CONSTRUCTION.
12. REMOVE EXISTING CEILINGS, GRID, CEILING DEVICES, ETC., TO INSTALL NEW HVAC SYSTEMS. REINSTALL OR PROVIDE NEW CEILING GRID AND TILE, TO MATCH EXISTING CONDITIONS. REINSTALL EXISTING CEILING DEVICES.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF EXISTING CEILING, WALLS, SLABS, ETC. TO INSTALL NEW SYSTEM. MINIMIZE DAMAGE TO SLABS, ETC. PATCH AND REPAIR ALL SURFACES IMPACTED BY CONSTRUCTION. PAINT ALL SURFACE TO MATCH EXISTING FINISH.

GENERAL DEMOLITION NOTES

- A. THE CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSAL SO AS TO BECOME FAMILIAR WITH EXISTING WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR REMEDIATION OF EQUIPMENT OR MATERIALS REMOVED OR BY THE CONTRACTOR SHALL NOT BE RECOGNIZED. IT IS TO BE UNDERSTOOD THAT UNPREESENED CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON THE DRAWINGS. COOPERATION WITH OTHER TRADES IN EQUIPMENT REMOVAL IS DEEMED NECESSARY AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH OTHER TRADES. IT IS NECESSARY AND IT IS INTENDED THAT SUCH DEVIATIONS SHALL BE CONSIDERED AS PART OF THIS CONTRACT. IT IS ALSO UNDERSTOOD THAT THE PLANS ARE NOT COMPLETELY TO SCALE. THIS CONTRACTOR IS TO FIELD VERIFY THE PLANS OF ALL EXISTING EQUIPMENT PRIOR TO REMOVAL AND INCLUDE ANY DEVIATIONS IN THE CONTRACT. B. ALL DEVICES AND EQUIPMENT NOT SHOWN AND IN AREAS OUTSIDE OF REMODELING SHALL REMAIN ACTIVE UNLESS OTHERWISE NOTED. INSTALL AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING DEVICES AND EQUIPMENT THAT ARE TO REMAIN. C. ALL EQUIPMENT AND MATERIAL REMOVED AND NOT REUSED SHALL BE TURNED OVER TO THE OWNER OR AT THE OWNERS REQUEST LEGALLY DISPOSED OF BY THE CONTRACTOR. D. ALL DEVICES, EQUIPMENT, MATERIALS, AND PATCHES TO BE REMOVED SHALL BE REMOVED AS DIRECTED BY THE OWNER/ENGINEER, AND CEILING OR WALL SHALL BE PATCHED TO MATCH EXISTING OR NEW FINISH. ALL PATCHES SHALL BE PATCHED OR PAINTED AS DIRECTED BY ARCHITECTURAL DRAWINGS. E. EXISTING AIR HANDLING DEVICES, DUCTWORK, AND SUPPORTS, IT IS THE CONTRACTORS RESPONSIBILITY TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO BID, AND INCLUDE IN HIS BID THE REMOVAL OF ALL EQUIPMENT, DUCTWORK, DEVICES, ETC., THAT IS NOT BEING REUSED BACK TO ITS SOURCE. F. PREPARE AND PATCH CEILING AND OTHER SURFACES TO MATCH EXISTING OR NEW FINISH. G. THE HVAC SYSTEMS AND TO REPAIR TO "LIKE NEW CONDITION" TO BE PROVIDED AND INSTALLED BY THE CONTRACTOR. G. PROVIDE AND INSTALL ANY ADDITIONAL HANGERS/SUPPORTS REQUIRED TO ACCOMMODATE ANY EQUIPMENT REMOVED. H. COORDINATE ALL CEILING MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING AND WORK OF ALL OTHER TRADES. I. THE FOLLOWING ARE EXISTING TO BE REMOVED SHALL BE REMOVED COMPLETELY. REMOVAL SHALL INCLUDE ALL DEVICES, PIPING, HANGERS, SUPPORTS, ETC.

SEQUENCE OF OPERATION	
1	Start
2	Input data
3	Process data
4	Output data
5	End

PROVIDE INDIVIDUAL ROOM LED PROGRAMMABLE THERMOSTATS THAT SHALL MAINTAIN ROOM SET POINTS.

1. AIR HANDLER FAN SHALL START AND STOP ON COMMAND FROM THERMOSTAT BASED ON TIME OF DAY SCHEDULE.
2. LOCAL OVERRIDE CONTROL WILL START FAN AND PERMIT IT TO RUN FOR A PREDETERMINED INTERVAL.
3. OUTSIDE AIR DAMPER SHALL OPEN AND SHALL BE CONTROLLED BY A MOTORIZED DAMPER INTERLOCKED WITH THE COMPRESSOR.
4. ON A REVERSE RETURN OR SPACE AIR TEMPERATURE FROM 73°F SETPOINT (ADJUSTABLE), THE CONTROLLER SHALL ENERGIZE THE UNIT'S COMPRESSOR TO MAINTAIN 57°F SUPPLY LEAVING AIR TEMPERATURE SETPOINTS.
5. SPACE AIR TEMPERATURE SETPOINT SHALL BE SET BY THE OWNER AND SHALL BE ADJUSTABLE.
6. THE CONTROLLER SHALL STAGE ONE COMPRESSOR AT A TIME. IF TEMPERATURE INCREASES, THE SECOND COMPRESSOR WILL BE STAGED ON (IF DUAL COMPRESSOR IS FURNISHED).
7. IN THE WINTER MONTHS, THE UNIT'S HEATERS SHALL BE STAGED ON TO MAINTAIN 68°F.
8. IF HUMIDITY INCREASES ABOVE 60%, THE UNIT'S SHALL ENERGIZE THE COMPRESSOR TO MAINTAIN A COLD COIL.

SHOP DRAWING SUBMITTALS

[illegible]

<p>NOTES:</p> <ol style="list-style-type: none"> 1- FOR REVIEW 2- FOR RECORD 3- COLOR SELECTION 4- SAMPLE 	<p>NOTE:</p> <p>FOR ALL MATERIALS FOR CONSTRUCTION, INSTALLATION REQUIREMENTS AND TESTING REQUIREMENTS, REFER TO CONTRACT SPECIFICATIONS.</p> <p>CONTRACTOR SHALL SUBMIT ALL ITEMS UNDER ONE SUBMITTAL THAT REFERENCES DDC PROJECT NUMBER. NO PARTIAL SUBMITTALS WILL BE ACCEPTED. ALL SUBMITTALS SHALL BE EMAILED TO INFO@DDC-ENGINEERS.COM .</p>
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DESIGN CRITERIA	
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DESIGN TEMPERATURES:

OUTDOOR AIR:	
SUMMER:	95°F DB/80°F WB
WINTER:	30°F DB
INSIDE AIR:	
SUMMER:	75°F DB/60% RH
WINTER:	72°F DB

NOTES:
THE DESIGN CRITERIA ABOVE IS BASED ON ASHRAE STANDARD 62.1. ANY CHANGES TO THIS OCCUPANCY OR FLOOR PLAN WILL REQUIRE FURTHER REVIEW AND MODIFICATIONS TO THIS VENTILATION SYSTEM.

CODE COMPLIANCE REQUIREMENTS

ALL WORK SHALL BE IN COMPLIANCE WITH THE FOLLOWING CODES, BUT NOT LIMITED TO:
8TH EDITION OF THE 2023 FLORIDA BUILDING CODE - BUILDING (FBCB)
8TH EDITION OF THE 2023 FLORIDA BUILDING CODE - EXISTING BUILDING (FBCBE)
8TH EDITION OF THE 2023 FLORIDA BUILDING CODE - ACCESSIBILITY (FBCA)
8TH EDITION OF THE 2023 FLORIDA BUILDING CODE - ENERGY CONSERVATION (FBCBC)
8TH EDITION OF THE 2023 FLORIDA BUILDING CODE - MECHANICAL (FBCMC)
8TH EDITION OF THE 2023 FLORIDA BUILDING CODE - PLUMBING (FBCP)
8TH EDITION OF THE 2023 FLORIDA BUILDING CODE - FUEL GAS (FBCFG)
8TH EDITION OF THE 2023 FLORIDA FIRE PREVENTION CODE (FFPC)
NFPA 70 - 2020 NATIONAL ELECTRICAL CODE (NEC)



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www.ddc-engineers.com
dasilva.david@ddc-engineers.com
C.O.A.: 25988
DDC PROJECT NO.: 25069

CONSULTANTS:

DATE _____

DATE
SEPTEMBER 18, 2025

REVIEW SET ☒PERMIT SET ☐BID SET ☐

CONSTRUCTION SET ☐

AS BUILT

REVISIONS

NO.	DATE	DESCRIPTION
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OCALA POLICE DEPARTMENT
402 SOUTH PINE AVENUE
OCALA, FLORIDA 34471

SHEET NO.: _____

M-1

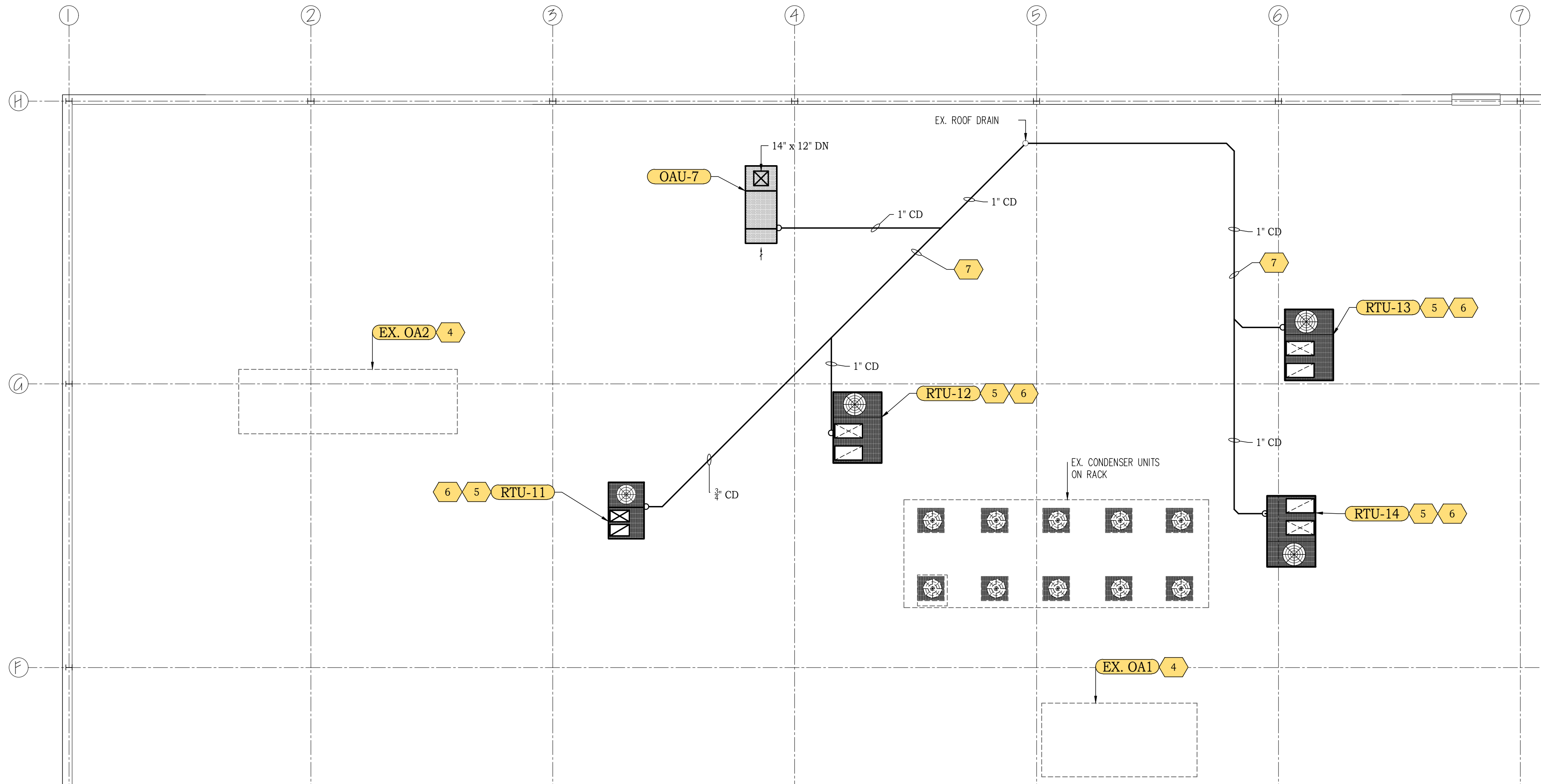
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CHECKED: JMF

APPROVED: _____ DAD

David A. DaSilva
54739

REVIEW SET
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MECHANICAL ROOF PLAN
1/8" = 1'-0"

PLAN NOTES

1. SIZE FLEX DUCT BASED ON SCHEDULE PROVIDED.
2. INSULATE BACK OF ALL DIFFUSERS.
3. MOUNT THERMOSTAT AT 48" ABOVE FINISHED FLOOR.
4. EXISTING ROOF TOP UNIT TO REMAIN.
5. MOUNT ROOF TOP UNIT ON NEW ROOF CURB AND ANCHOR TO STRUCTURE. UNITS SHALL BE LEVEL.
6. ROUTE DUCT DOWN FULL SIZE OF UNIT'S OPENING THROUGH ROOF.
7. ROUTE CONDENSATE DRAIN TO EXISTING ROOF DRAIN (SEE PLANS FOR SIZE) AND PROPERLY ANCHOR SUPPORT TO ROOF.
8. CONTRACTOR TO CONNECT TO OWNER EQUIPMENT. VERIFY SIZE AND LOCATION OF DUCT CONNECTIONS.
9. PROVIDE 12" x 12" DUCT UP INTO CEILING CAVITY WITH RELIEF DAMPER TO ALLOW 400 CFM. PROVIDE BAROMETRIC RELIEF DAMPER.



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C.O.A.: 25988
DDC PROJECT NO.: 25069

CONSULTANTS:

DATE	
SEPTEMBER 18, 2025	
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PERMIT SET	<input type="checkbox"/>
BID SET	<input type="checkbox"/>
CONSTRUCTION SET	<input type="checkbox"/>
AS BUILT	<input type="checkbox"/>
REVISIONS	

NO. DATE DESCRIPTION

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402 SOUTH PINE AVENUE
OCALA, FLORIDA 34471

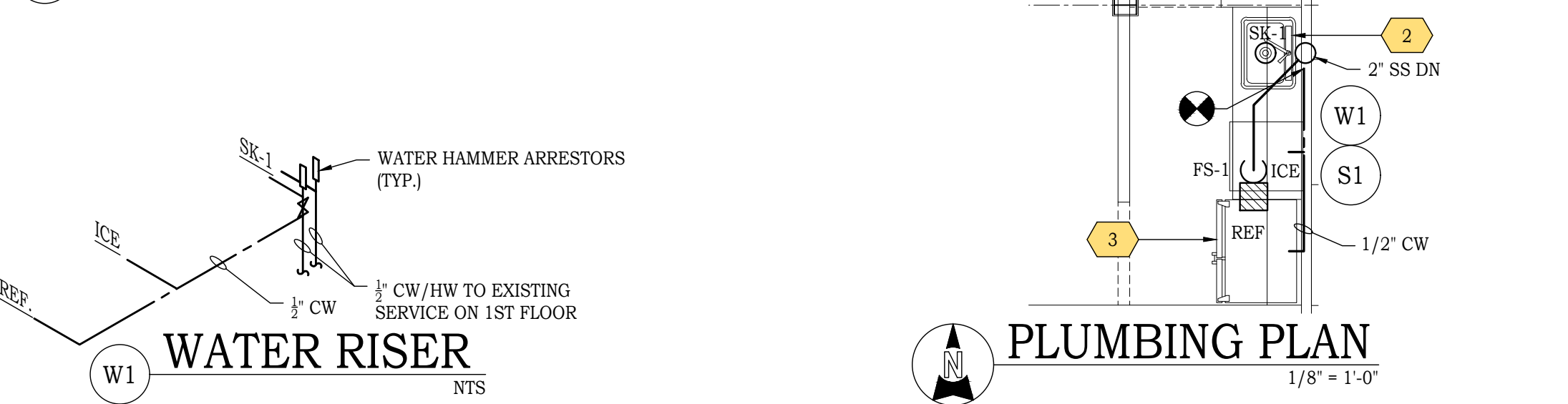
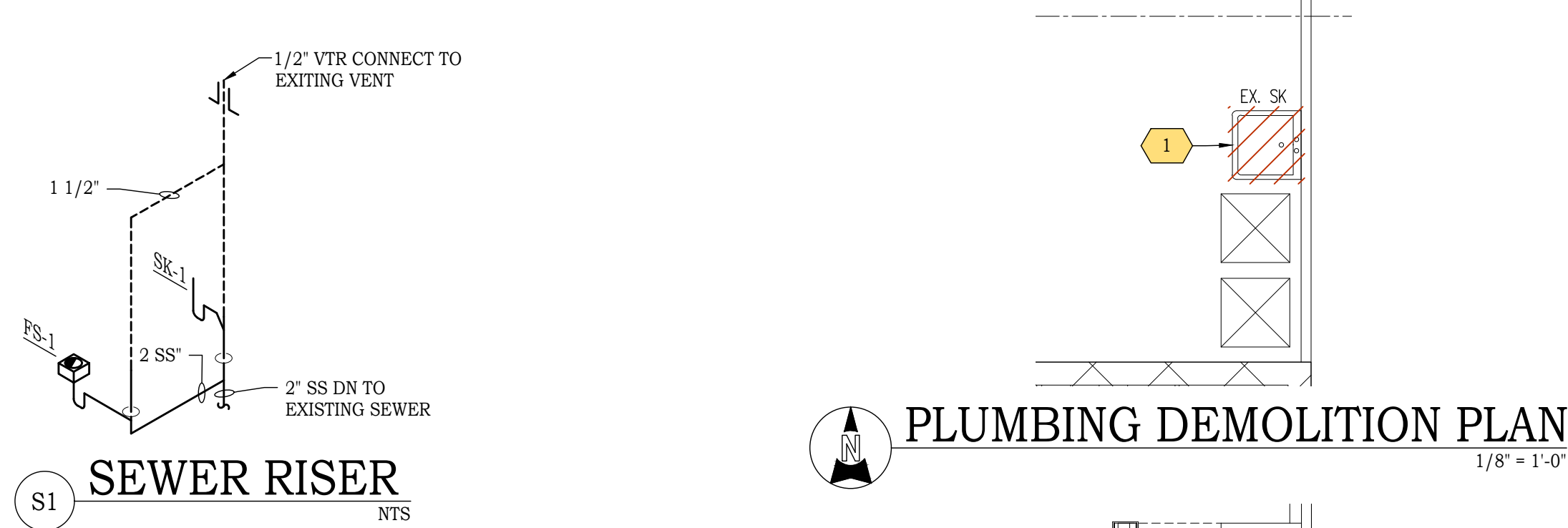
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M-2

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CHECKED: JMF
APPROVED: DAD

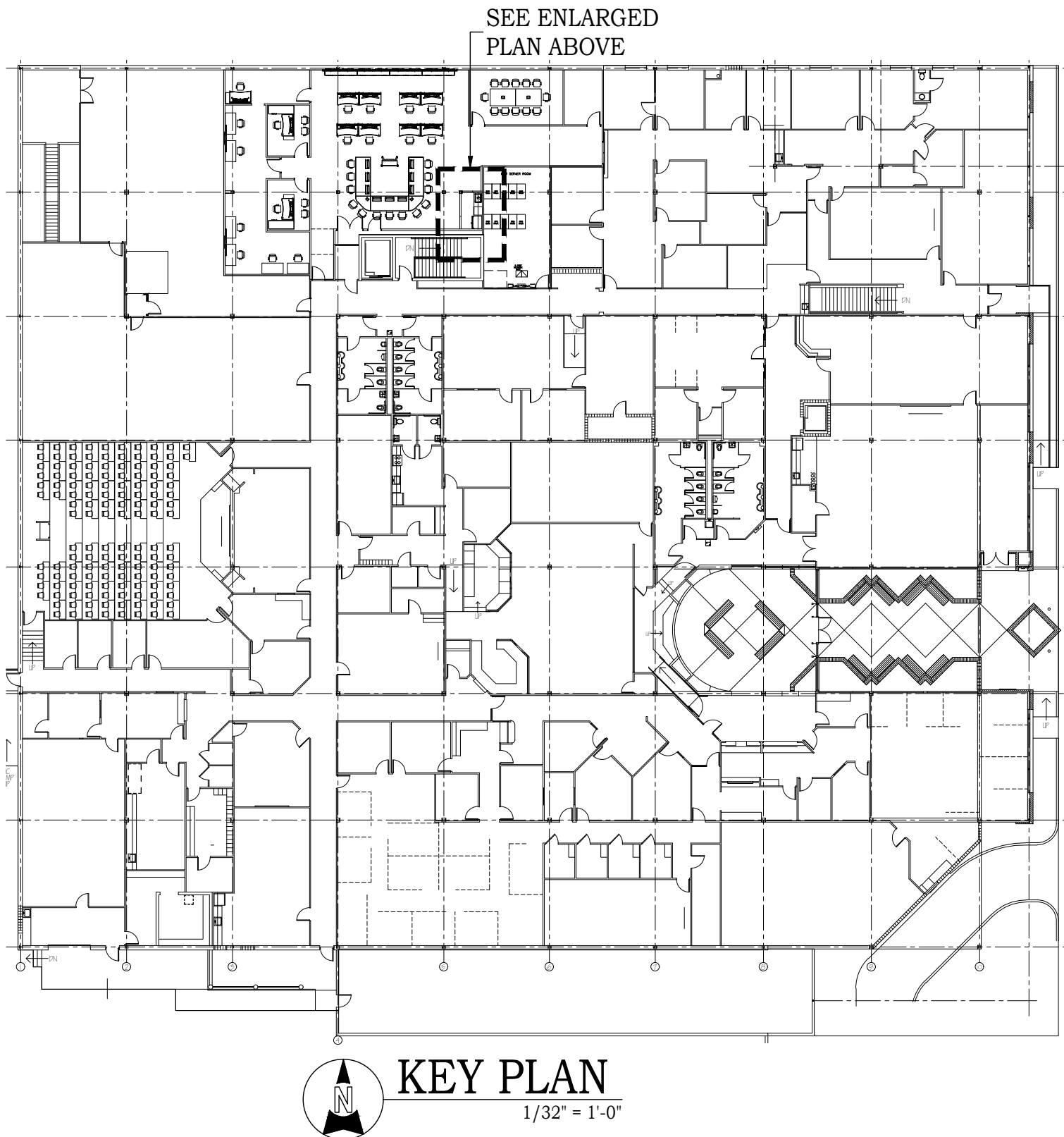
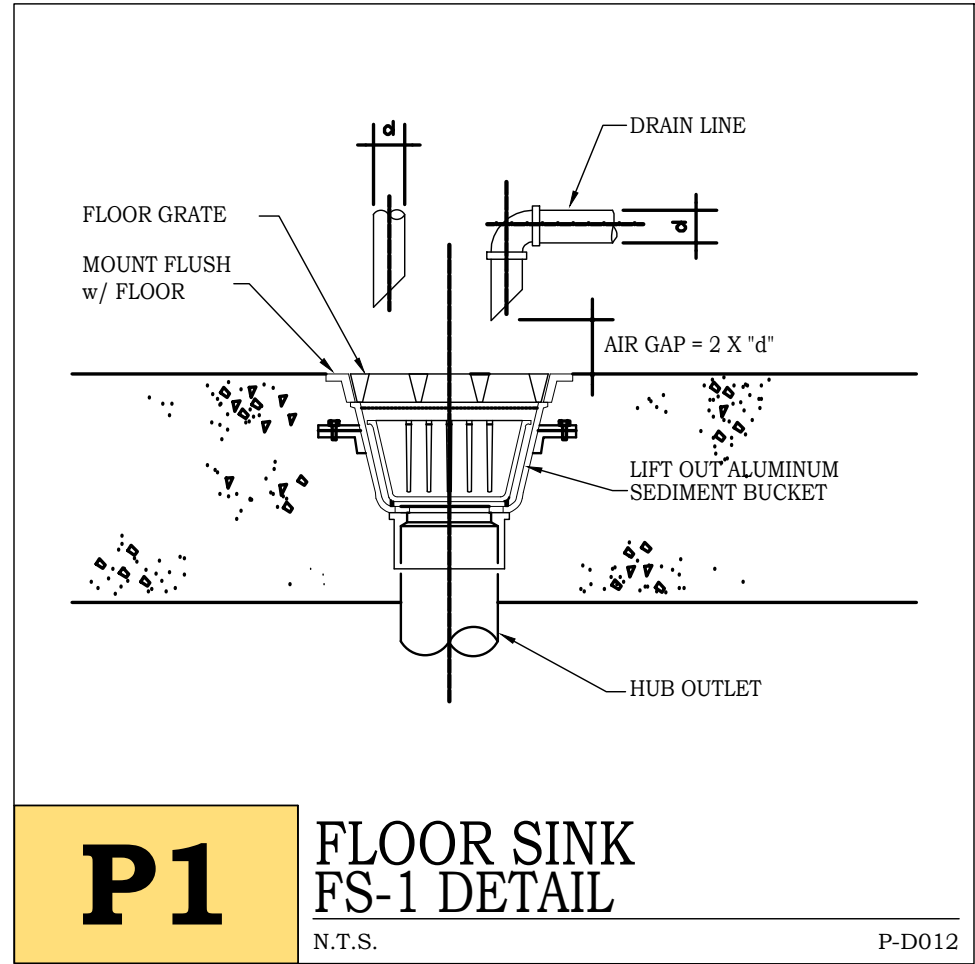
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PLUMBING FIXTURE SCHEDULE								
TAG	EQUIPMENT	DESCRIPTION / ACCESSORIES	PIPE SIZE				MANUFACTURE / MODEL	NOTES
			CW	HW	WASTE	VENT		
REF	REFRIGERATOR	PLASTIC BOX OUTLET WITH PLASTIC VALVE	1/2"	-	-	-	GUY GRAY OR EQUAL	SEE BELOW
SK-1	SINK SINGLE	STAINLESS STEEL (18 GA.) WITH GOOSENECK FAUCET	1/2"	1/2"	2"	1-1/2"	ELKAY LUSTERTONE	SEE BELOW
FS-1	FLOOR SINK	ACID RESISTANT DRAIN WITH OPEN GRATE	-	-	3"	1-1/2"	ZURN Z-1900 SERIES	SEE BELOW
NOTES: 1. PROVIDE SHUT OFF VALVES AND P-TRAPS AT ALL PLUMBING FIXTURES. 2. COORDINATE SINK SIZE WITH CABINET INSTALLER. 3. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL DRAWINGS FOR ALL FLOOR AND WALL MOUNTED FIXTURES.								





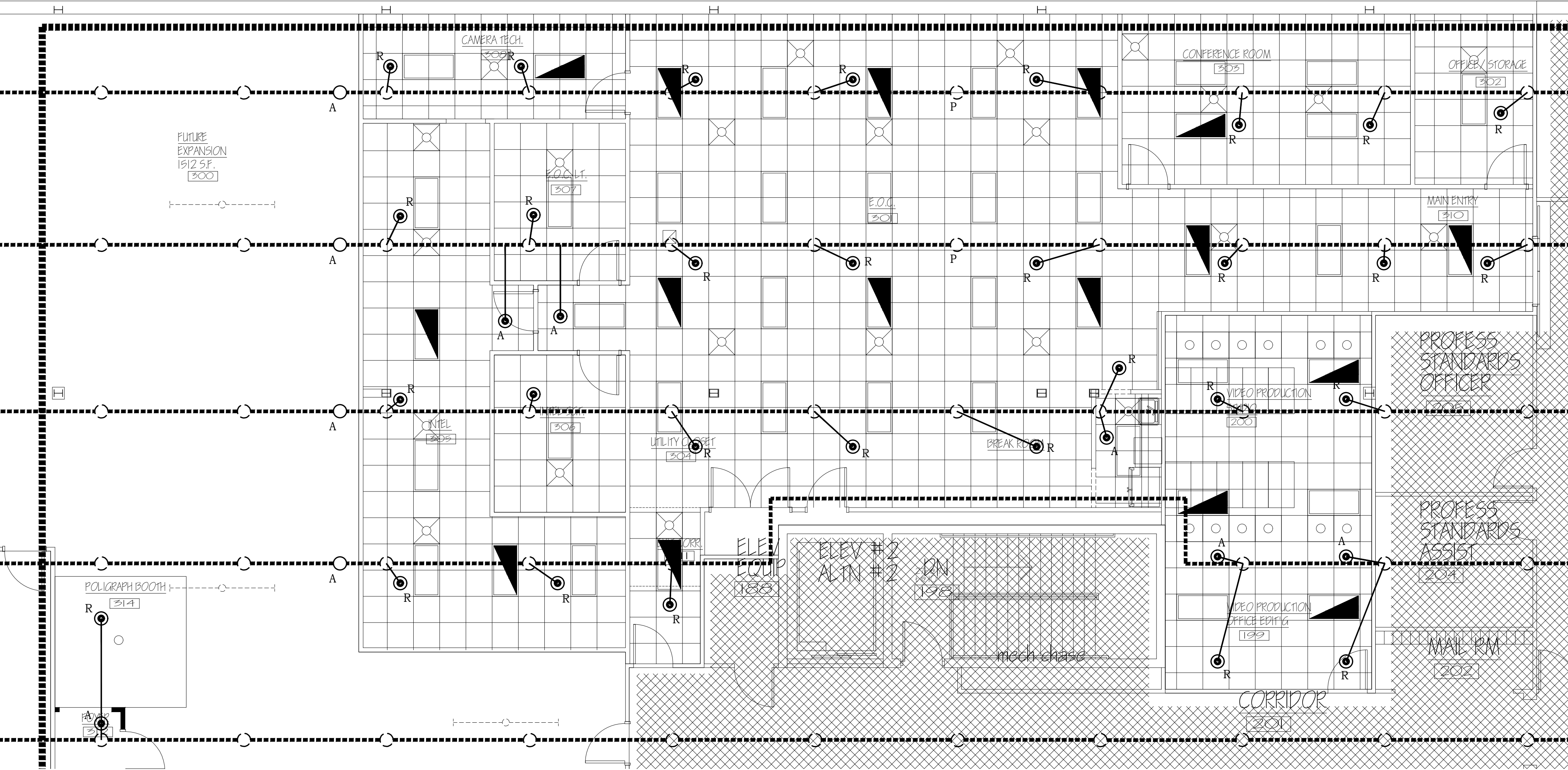
PLAN NOTES	
1.	REMOVE EXISTING FIXTURES & PRESERVE EXISTING SEWER & WATER CONNECTIONS.
2.	CONNECT TO EXISTING WATER & SEWER WITHIN WALL.
3.	EXTEND CW TO NEW FRIDGE USING 1/2" PIPING



PLUMBING SYMBOLS LEGEND, NOTES, AND SPECIFICATIONS									
PLUMBING LEGEND					PLUMBING SPECIFICATIONS				
<div><div><div><div></div><div>SS</div></div><div><div></div><div>CW</div></div><div><div></div><div>HW</div></div><div><div></div><div>140°</div></div><div><div></div><div>HWR</div></div><div><div></div><div>CD</div></div><div><div></div><div>SD</div></div><div><div></div><div>V</div></div><div><div></div><div>GW</div></div><div><div></div><div>A</div></div><div><div></div><div>G</div></div><div><div></div><div>ECO/FCO</div></div><div><div></div><div>WCO</div></div><div><div></div><div>FD</div></div><div><div></div><div>FS</div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div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ADD AND RELOCATE LEGEND		
SYMBOL	MEANING	
-----	EXISTING PIPE	
_____	NEW PIPE	
-----/-----	NEW HANGER	
MT	MECHANICAL TEE	
A	NEW SPRINKLER HEAD	
R	RELOCATED SPRINKLER HEAD	
P	REMOVED AND PLUGGED SPRINKLER HEAD	
E	EXISTING SPRINKLER HEAD TO REMAIN	
UPRIGHT 	PENDANT 	EXISTING SPRINKLER HEAD

SPRINKLER HEAD LEGEND							
DETAIL	MANUFACTURER	SIN#	SIZE	K-FACTOR	TEMP.	FINISH	STYLE
	VIKING, TYCO, VICTAULIC, RELIABLE	PER. MRF.	1/2"	5.6 K	155 F	CHROME	QR SSU
	VIKING, TYCO, VICTAULIC, RELIABLE	PER. MRF.	1/2"	5.6 K	155 F	CHROME	QR SSP



 FIRE PROTECTION PLAN
3/16" = 1'-0"

GENERAL FIRE PROTECTION NOTES:

- A. MODIFY EXISTING SYSTEM TO NEW FLOOR PLAN PER NFPA 13 ADD AND RELOCATE OF MORE THAN 50 SPRINKLERS.
- ORDINARY GROUP II OCCUPANCY (ACCESSORY STORAGE 101) USING 0.20 GPM/SQFT OVER THE MOST REMOTE 1500 SQFT, 130 SQFT MAXIMUM HEAD SPACING AND 250 GPM HOSE.
- LIGHT HAZARD OCCUPANCY (ALL OTHER AREAS) USING 0.10 GPM/SQFT OVER THE MOST REMOTE 1500 SQFT, 225 SQFT MAXIMUM HEAD SPACING AND 100 GPM HOSE.
- NFPA 13, SECTION 11.2.3.2.3.1 WHERE LISTED QUICK-RESPONSE SPRINKLERS, INCLUDING EXTENDED COVERAGE QUICK-RESPONSE SPRINKLERS, ARE USED THROUGHOUT A SYSTEM OR PORTION OF A SYSTEM HAVING THE SAME HYDRAULIC DESIGN BASIS, THE SYSTEM AREA OF OPERATION SHALL BE PERMITTED TO BE REDUCED WITHOUT REVISING THE DENSITY AS INDICATED IN FIGURE 11.2.3.2.3.1 WHEN ALL OF THE FOLLOWING CONDITIONS ARE MEET.
- (1) WET PIPE SYSTEM
(2) LIGHT HAZARD OR ORDINARY HAZARD OCCUPANCY
(3) 20FT MAXIMUM CEILING HEIGHT
(4) THERE ARE NO UNPROTECTED CEILING POCKETS AS ALLOWED BY NFPA 13, 8.6.7 AND 8.8.7 EXCEEDING 32 SQFT
- B. ALL FIRE SPRINKLERS SHALL BE IN ACCORDANCE WITH THE NFPA 13.
- C. ALL WORK SHALL BE DONE IN ACCORDANCE WITH NFPA 13.
- D. ALL HANGERS AND MATERIALS TO BE IN ACCORDANCE WITH NFPA 13.
- E. ALL PIPING TO BE SCHEDULE 40 BLACK PIPING, U.N.O.
- F. UPRIGHT SPRINKLERS TO BE LOCATED BETWEEN 1" AND 12" BELOW ROOF DECK.
- G. SPRINKLER HEAD SPACING IS PER NFPA 13.
- H. THE GENERAL CONTRACTOR SHALL PROVIDE, OR HAVE PROVIDED, A SET OF COORDINATION DRAWINGS FOR ALL SYSTEMS AND FEATURES THAT OCCUR ABOVE CEILING PLANE. THE COORDINATION DRAWINGS SHALL INCLUDE, BUT NOT BE LIMITED TO, STRUCTURAL MEMBERS, HVAC DUCTWORK, HYDRONIC PIPING, PLUMBING SUPPLY AND WASTE PIPING, FIRE PROTECTION PIPING, ELECTRICAL POWER AND CONDUITS AND RACEWAYS, AND ELECTRICAL LOW VOLTAGE CONDUITS, HORIZONTALLY AND VERTICALLY ABOVE CEILING PLANE TO STRUCTURE OF DECK ABOVE EACH TRADE CONTRACTOR THE SPACE TO PROPERLY EXECUTE HIS PORTION OF THE WORK.
- I. ALL PENETRATIONS THROUGH FIRE OR SMOKE RATED WALLS ARE TO BE PATCHED AND SEALED PER APPLICABLE UL LISTED DETAIL THAT CORRESPONDS WITH RATING OF THE WALL.
- J. ALL DIMENSIONS TO BE VERIFIED DURING FIELD CHECK OF SPRINKLER SYSTEM.
- K. THE FOLLOWING LIST ARE ACCEPTABLE SPRINKLER HEAD MANUFACTURERS:
RELIABLE
TYCO
VICTAULIC
VIKING
- L. SPRINKLER SYSTEMS, INCLUDING ALL ASSOCIATED FIRE PROTECTION SIGNALS, SHALL BE SUPERVISED BY AN APPROVED CENTRAL, PROPRIETARY, OR REMOTE STATION SYSTEM IN ACCORDANCE WITH NFPA.
- M. FIRE PROTECTION SHOP DRAWINGS, HYDRAULIC CALCULATIONS, AND MATERIAL DATA SUBMITTALS ARE TO BE SUBMITTED TO AUTHORITY HAVING JURISDICTION, ARCHITECT AND ENGINEER OF RECORD FOR REVIEW AND APPROVAL.
- N. ALL FIRE SPRINKLER COMPONENTS ARE TO BE RATED FOR THE MAXIMUM SYSTEM WORKING PRESSURE TO WHICH THEY ARE EXPOSED IN ACCORDANCE WITH NFPA 13, SECTION 6.1.3.
- O. THE COMPONENTS OF THE FIRE PROTECTION SYSTEM FURNISHED UNDER THE DIVISION OF THE SPECIFICATIONS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF SYSTEM ACCEPTANCE THEREOF, EITHER FOR BENEFICIAL USE OR FINAL ACCEPTANCE, WHICH EVER IS EARLIER, AGAINST DEFECTIVE MATERIALS, DESIGN AND WORKMANSHIP. UPON RECEIPT OF NOTICE FROM ARCHITECT OF FAILURES OF ANY OR PART OF THE EQUIPMENT DURING THE GUARANTEE PERIOD, THE AFFECTED PERT OR PARTS SHALL BE REPLACED, WHICH INCLUDES REMOVAL OF DEFECTIVE PART OR PARTS, REPLACING AND INSTALLING THE NEW PART OR PARTS AND SHALL BE SOLELY AT THE EXPANSE OF THE INSTALLING CONTRACTOR.
- P. AS-BUILT DRAWINGS SHALL BE PROVIDED TO THE OWNER AND ENGINEER OF RECORD.

CONTRACTOR NOTE

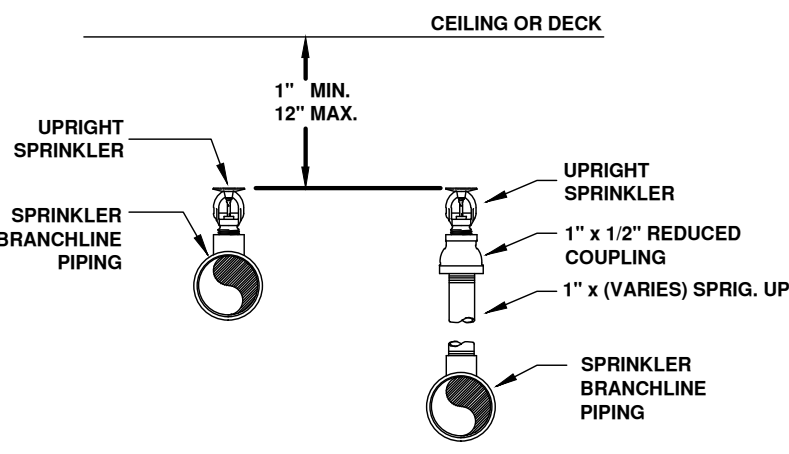
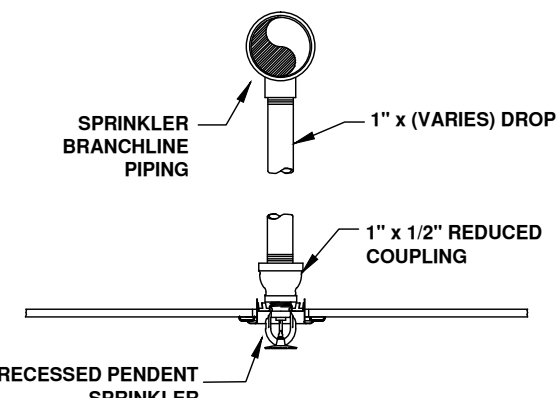
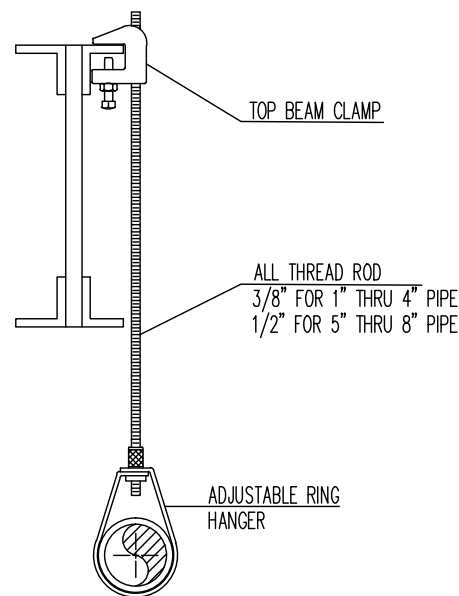
ALTERATIONS OF FIRE SPRINKLER SYSTEM REQUIRES A SEPARATE PERMIT. FIRE SPRINKLER SYSTEM SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. IN THE EVENT FIRE SPRINKLER SYSTEM IS NOT OPERATIONAL, CONTRACTOR SHALL BE RESPONSIBLE OF SCHEDULING A FIRE WATCH AND SHALL COORDINATE WITH AHIJ.

CODE COMPLIANCE REQUIREMENTS

ALL WORK SHALL BE IN COMPLIANCE WITH THE FOLLOWING CODES, BUT NOT LIMITED TO:
2023 8TH EDITION OF THE F.F.P. CODE
NFPA 13 2019 ED.

STEEL HANGER REQ.		
STEEL HANGER SUPPORT CHART LESS THAN 100 PSI		
PIPE SIZE	MAX . SPACING	END OF LINE
1"	12'-0	3'-0
1 1/4"	12'-0	5'-0
1 1/2"-8"	15'-0	5'-0

ALL HANGERS TO BE AT LEAST 3" FROM SPRINKLERS.
ALL ARMOVERS GREATER THAN 12" TO BE SUPPORTED BY A HANGER



FP1

STEEL LESS THAN 100 PSI
HANGER SPACING DETAIL
N.T.S.

FP2

TOP BEAM CLAMP
HANGER DETAIL
N.T.S.

FP3

PENDENT SPRINKLER
DROP DETAIL
N.T.S.

FP4

UPRIGHT SPRINKLER
DETAIL
N.T.S.



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C.O.A.: 25988
DDC PROJECT NO.: 25069

CONSULTANTS:

DATE
SEPTEMBER 18, 2025

REVIEW SET ☒
PERMIT SET ☐
BID SET ☐
CONSTRUCTION SET ☐
AS BUILT ☐

REVISIONS

NO. DATE DESCRIPTION

OCALA POLICE DEPARTMENT
402 SOUTH PINE AVENUE
OCALA, FLORIDA 34471



































































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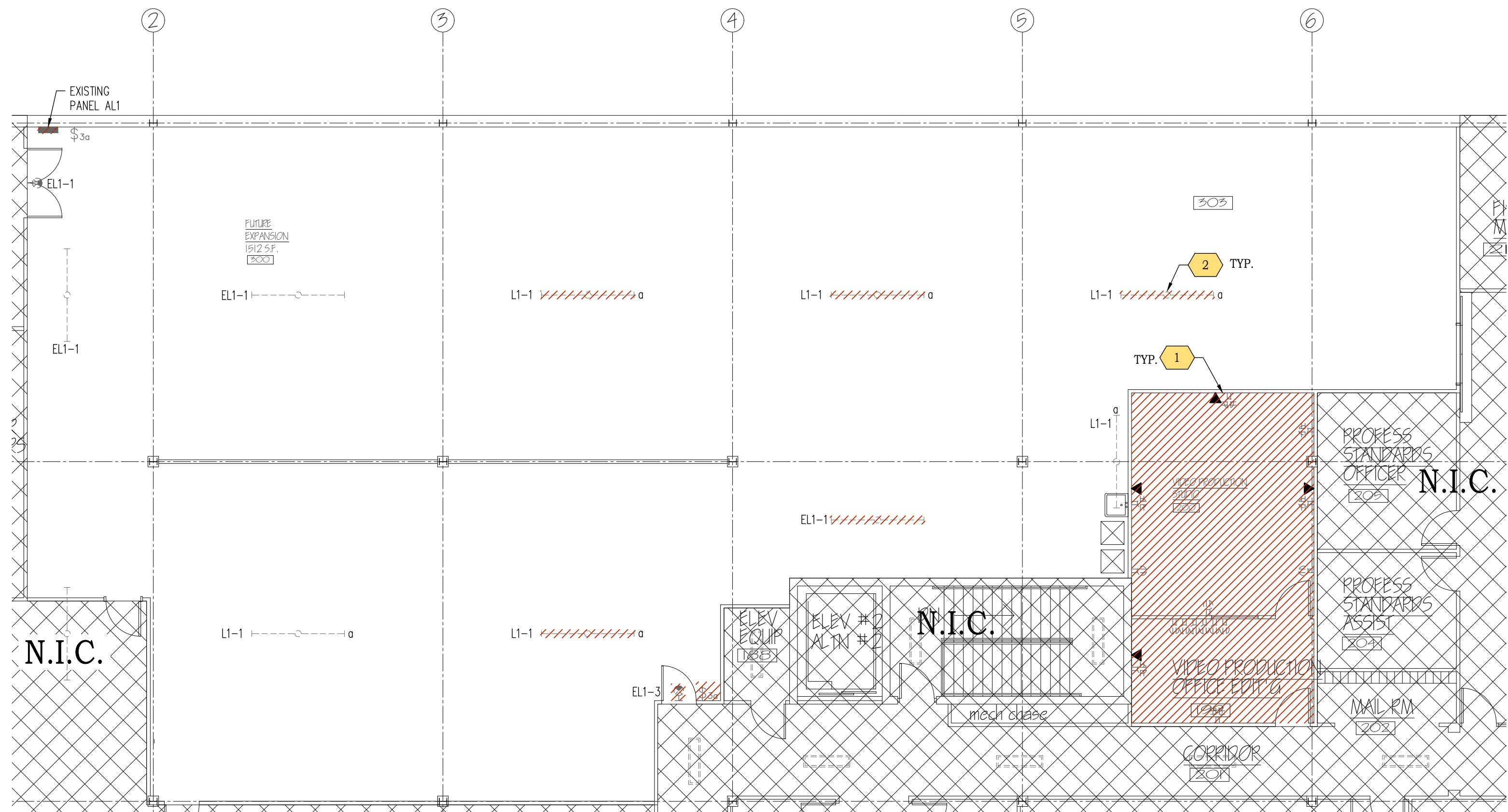
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APPROVED: DAD

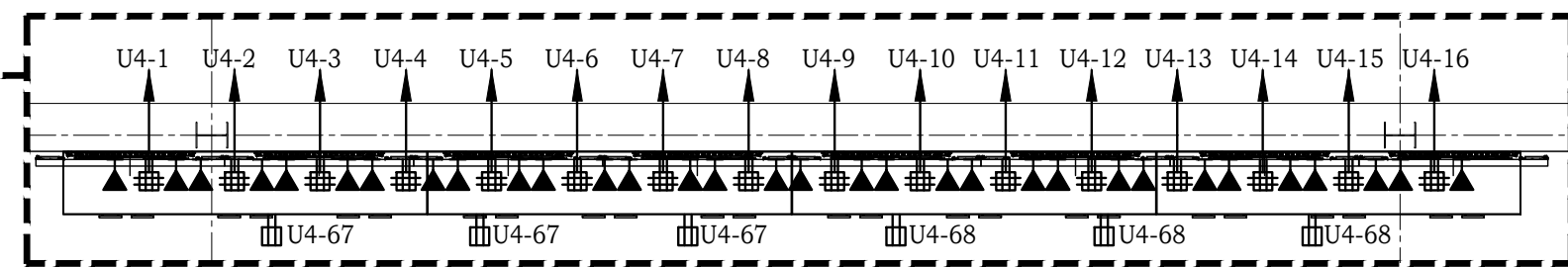
David A. DaSilva
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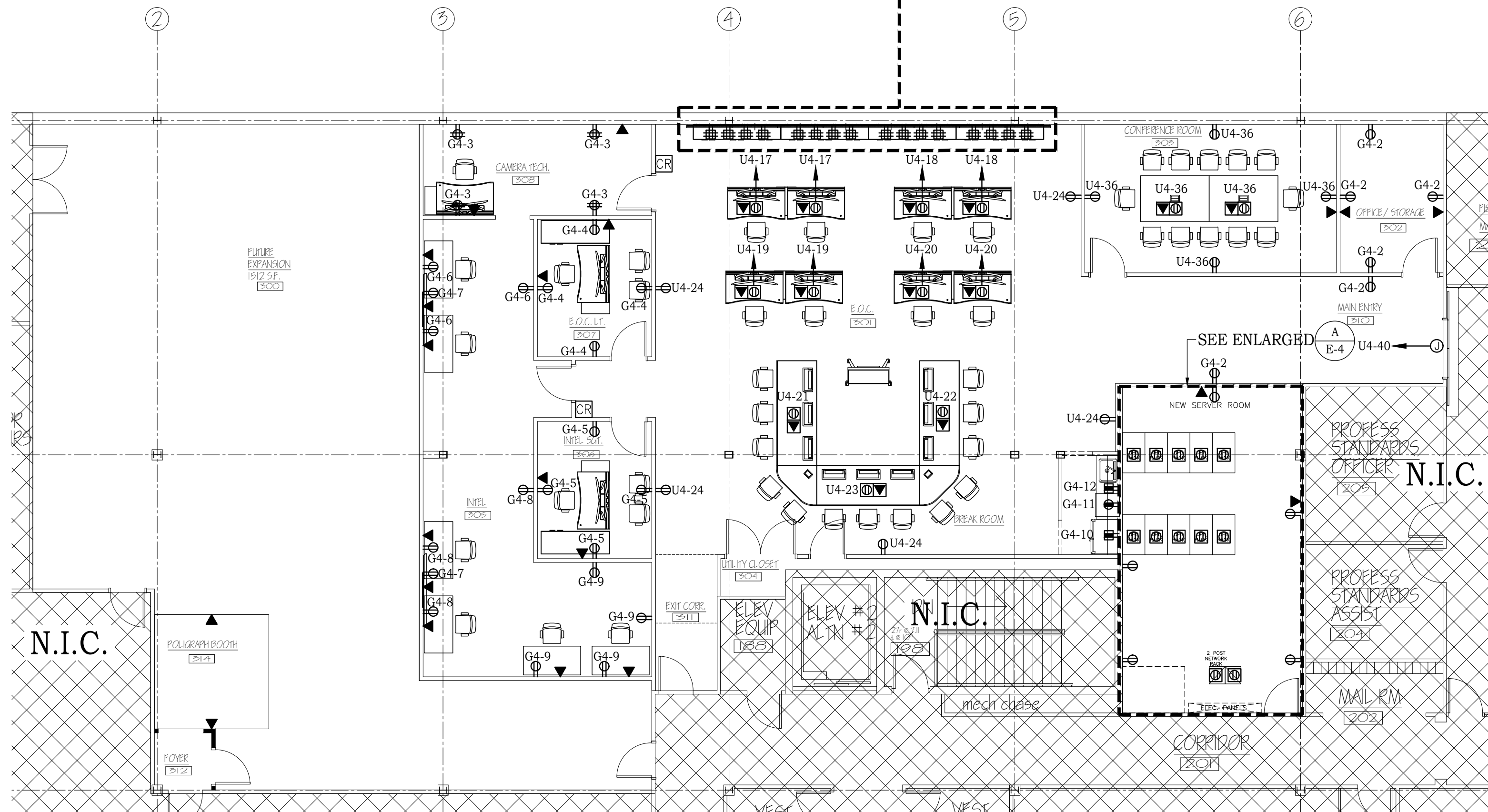
ELECTRICAL SYMBOLS LEGEND, NOTES, AND SPECIFICATIONS											
LIGHTING (SEE LIGHTING FIXTURE SCHEDULE)			POWER			ABBREVIATIONS			ELECTRICAL SPECIFICATIONS		
	2x2 RECESSED FIXTURE			DUPLX RECEPTACLE		A AMPERES	KMIL THOUSAND OF CIRCULAR MILS		GENERAL 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2020 NATIONAL ELECTRICAL CODE (N.E.C.), 2023 FLORIDA ENERGY CONSERVATION CODE (8TH EDITION), ALL LOCAL CODES, ORDINANCES, REGULATIONS AND UTILITY POWER AND TELEPHONE COMPANY STANDARDS. 2. ALL WIRE SHALL BE COPPER TYPE "THIN" FOR SIZES UP TO #8 AND TYPE "THW FOR #6 AND LARGER (UNLESS OTHERWISE NOTED). MINIMUM WIRE SIZE SHALL BE #12 AWG. 3. ALL BRANCH AND FEEDER CIRCUITS SHALL CONTAIN A SEPARATE GROUNDING CONDUCTOR AND SHALL BE SIZED AND BONDED IN ACCORDANCE WITH ARTICLE 250 OF THE N.E.C. 4. ALL CONDUIT INSTALLED IN INTERIOR LOCATIONS SHALL BE TYPE E.M.T. WITH COMPRESSION FITTING CONNECTORS AND COUPLERS. ALL CONDUIT INSTALLED IN EXTERIOR LOCATIONS, ABOVE GRADE, SHALL BE GALVANIZED RIGID CONDUIT. ALL CONDUIT BELOW GRADE SHALL BE SCHEDULE 40 PVC. ALL CONDUITS SHALL BE CONCEALED. THE USE OF MC CABLE IS ACCEPTABLE. 5. CONTRACTOR TO COORDINATE THE LOCATION OF RECEPTACLES, CONTROL CIRCUITS, COMMUNICATIONS AND DATA OUTLETS, LIGHTING FIXTURES AND DEVICES WITH THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. 6. DRAWINGS ARE DIAGRAMMATIC - CONTRACTOR SHALL REFER TO ARCHITECTURAL, CIVIL AND STRUCTURAL DRAWINGS AND FIELD CONDITIONS FOR ALL DIMENSIONS. 7. CONTRACTOR SHALL OBTAIN AND FURNISH ALL PERMITS REQUIRED. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, APPLIANCES AND TOOLS TO PERFORM ALL WORK NECESSARY FOR THE COMPLETE EXECUTION OF THE ELECTRICAL WORK AS SHOWN ON THE DRAWINGS. PROVIDE WORK NOT SPECIFICALLY SHOWN OR SPECIFIED, YET REQUIRED TO INSURE PROPER AND COMPLETE OPERATION OF ALL SYSTEMS AND TO SATISFY THE DESIGN INTENT IN THE WORK AND TO COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. 8. THE DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF CIRCUITS AND OUTLETS. LOCATIONS OF SWITCHES PANEL BOARDS, CONDUITS AND OTHER WORK, PRIOR FIELD VERIFICATION OF ALL DIMENSION IS REQUIRED. CONDUIT RUNS AND GROUNDING ARE SHOWN DIAGRAMMATICALLY ONLY. FIELD VERIFY ACTUAL ROUTING OF CONDUITS. 9. ANY PENETRATIONS MADE THROUGH A FIRE RATED ASSEMBLY SHALL BE PROPERLY SEALED TO MAINTAIN THE FIRE RATING OF THE ASSEMBLY PER U.L. AND NFPA. 10. THE WORK SHALL INCLUDE REVISIONS, DEMOLITION, MODIFICATIONS AND REWORK OF THE EXISTING FACILITY AND SYSTEMS AS REQUIRED FOR INSTALLATION OF NEW WORK, AND FOR CONNECTIONS BETWEEN EXISTING WORK AND NEW WORK WHERE REQUIRED. THE WORK SHALL ALSO INCLUDE THE COMPLETION OF ELECTRICAL POWER AND CONTROL CIRCUITS, FOR DEVICES AND EQUIPMENT THAT ARE TO REMAIN IN SERVICE, IF THE CIRCUITS ARE BROKEN BY DEMOLITION WORK, OR BY THE REMOVAL OR CUTTING OF EXISTING BUILDING CONSTRUCTION, EXISTING DEVICES OR EQUIPMENT. EXISTING CONDUIT WIRING SHALL BE REROUTED AND CONNECTED WHERE NECESSARY. 11. EACH BIDDER SHALL INSPECT THE SITE AS REQUIRED FOR KNOWLEDGE OF EXISTING CONDITIONS PRIOR TO BIDDING AND FAILURE TO OBTAIN SUCH KNOWLEDGE SHALL NOT RELIEVE THE SUCCESSFUL BIDDER OF THE RESPONSIBILITY TO MEET EXISTING CONDITIONS IN THE WORK AREA. 12. WHERE NEW WORK CANNOT BE INSTALLED WITHIN EXISTING FACILITY OR SYSTEMS OR WHERE IT IS INDICATED ON DRAWINGS TO REWORK AN EXISTING INSTALLATION, THIS CONTRACT SHALL INCLUDE ALTERATIONS TO EXISTING WORK AS REQUIRED TO INSTALL NEW WORK. ADDITIONS TO THE CONTRACT COST WILL NOT BE ALLOWED BECAUSE OF THIS CONTRACTORS FAILURE TO INSPECT EXISTING CONDITIONS AT THE SITE OF THE WORK. 13. PROVIDE HACR RATED CIRCUIT BREAKERS FOR ALL HVAC EQUIPMENT. 14. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES TO MAINTAIN WORKING CLEARANCES AS REQUIRED PER NEC, AND FLORIDA BUILDING CODE. CUTTING AND PATCHING 1. THE RESPONSIBILITY FOR ANY CUTTING OF CONSTRUCTION WHICH IS REQUIRED FOR THE INSTALLATION OF ELECTRICAL WORK, SHALL BE BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND THE OWNER BEFORE ANY CUTTING AND OBTAIN APPROVAL FROM THE ARCHITECT/ENGINEER PRIOR TO ANY CUTTING. ALL PATCHING, PAINTING AND FINISH SHALL BE BY THE CONTRACTOR. 2. CUTTING SHALL BE DONE WITH EXTREME CARE AND IN SUCH A MANNER THAT THE STRENGTH OF THE STRUCTURE WILL NOT BE ENDANGERED. WHEREVER POSSIBLE, OPENINGS IN CONCRETE OR MASONRY CONSTRUCTION SHALL BE BY CONCRETE SAW OR ROTARY CORE DRILL. OPENINGS IN ANY CONSTRUCTION SHALL BE CUT THE MINIMUM SIZE REQUIRED FOR THE INSTALLATION OF THE WORK. ADEQUATE PROTECTION SHALL BE PROVIDED TO PREVENT DAMAGE TO ADJACENT AREAS AND TO PREVENT DUST FROM SPREADING TO ADJACENT AREAS. 3. WHERE OPENINGS OR HOLES ARE CUT IN CONSTRUCTION AND THE CUTTING BREAKS ELECTRICAL CIRCUITRY OR CONTROL CIRCUITRY CONDUIT AND WIRING, THEN IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REROUTE THE CIRCUITRY CONDUIT AND WIRING AND TO COMPLETE THE CIRCUITRY AS REQUIRED AND AS APPROVED BY THE ARCHITECT/ENGINEER. TEMPORARY COMPLETION SHALL BE PROVIDED WHERE NECESSARY BEFORE THE PERMANENT REROUTING AND COMPLETION WORK IS FINISHED. 4. BEFORE ANY CUTTING, PATCHING, OR FINISHING WORK IS STARTED, DUST AND MOISTURE PROTECTION SHALL FIRST BE INSTALLED AS REQUIRED AND AS SPECIFIED IN THESE SPECIFICATIONS. 5. OPENINGS CUT IN FLOOR SHALL BE CUT BY CORE DRILLING WHERE POSSIBLE. AFTER WORK IS INSTALLED THROUGH ANY OPENING IN FLOOR, THE OPENING AROUND THE WORK SHALL BE PATCHED AND SEALED WATERTIGHT WITH EPOXY OR SILICONE BASED, NON-CRACKING ELASTOMERIC SEALANT. PAINTING 1. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAINTING AREAS OF CONSTRUCTION THAT ARE SCRATCHED, MARRED, OR DAMAGED BY THE NEW CONSTRUCTION. CONTRACTOR SHALL MATCH THE COLOR, TYPE AND THICKNESS OF PAINT AS PREVIOUS. ACCEPTANCE TESTING 1. UPON COMPLETION OF WORK, THE ENTIRE WIRING SYSTEM SHALL BE TESTED, AND SHALL BE SHOWN TO BE IN PROPER WORKING CONDITION IN ACCORDANCE WITH INTENT OF SPECIFICATIONS AND DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL SYSTEMS READY FOR OPERATION AND TO HAVE AN ELECTRICIAN AVAILABLE TO OPERATE SAME IN ACCORDANCE WITH AND UNDER THE SUPERVISION OF THE INSPECTION REPRESENTATIVE OF THE ARCHITECT/ENGINEER. THE CONTRACTOR SHALL BE AVAILABLE TO ASSIST IN REMOVAL OF PANEL FRONTS, ETC., TO PERMIT INSPECTION AS REQUIRED. AS-BUILT DRAWINGS 1. THE CONTRACTOR SHALL PROVIDE AND KEEP UP TO DATE A COMPLETE RECORD SET OF CONSTRUCTION "AS-BUILTS" BLUE LINE PRINTS WHICH SHALL BE CORRECTED DAILY, AND SHALL SHOW EVERY CHANGE FROM THE ORIGINAL CONTRACT DRAWINGS, INCLUDING ADDENDA AND CHANGE ORDERS IN ACCORDANCE WITH GENERAL REQUIREMENTS AND SPECIAL CONDITIONS. THIS SET OF PRINTS SHALL BE KEPT ON THE JOB SITE, AND SHALL BE USED ONLY AS A RECORD SET. THIS SHALL NOT BE CONSTRUED AS AUTHORIZATION FOR THE CONTRACTORS TO MAKE CHANGES IN THE LAYOUT WITHOUT DEFINITE INSTRUCTION IN EACH CASE. PROTECTION 1. THE CONTRACTOR SHALL KEEP THE CONSTRUCTION SITE CLEAN OF ALL WASTE MATERIALS AND RUBBISH CAUSED BY HIS WORK OR EMPLOYEES. UPON COMPLETION OF THE WORK AND AT TIMES DURING PROGRESS OF THE WORK WHEN REQUESTED BY THE ARCHITECT/ENGINEER, THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIALS, RUBBISH, AND DEBRIS RESULTING FROM HIS WORK. THE CONTRACTOR SHALL MAINTAIN THE EXISTING WORK AND MATERIALS OF THE SITE, IN SO FAR AS THE WORK OF THE CONTRACT IS CONCERNED, IN A NEAT, CLEAN, AND ACCEPTABLE CONDITION AS APPROVED BY THE ARCHITECT/ENGINEER. EQUIPMENT, LIGHTING FIXTURES, MATERIALS AND ACCESSORIES SHALL BE THOROUGHLY CLEANED OF CEMENT, PLASTER, AND OTHER MATERIALS. 2. THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION, WHEREVER WORK IS TO BE PERFORMED IN FINISHED/OCCUPIED SPACES, TO PREVENT DAMAGE TO ADJACENT AREAS, EQUIPMENT, OR FURNISHINGS; TO PREVENT ACCIDENTAL INJURY TO BUILDING OCCUPANTS AND THE PUBLIC; TO PREVENT THE SPREADING OF DUST, DIRT, DEBRIS, AND MOISTURE FROM THE WORK AREA WHERE WORK IS BEING PERFORMED; AND TO PREVENT DUST, DIRT, DEBRIS, AND MOISTURE FROM GETTING ON OR IN THE BUILDING OCCUPANTS FURNISHINGS OR EQUIPMENT. 3. THE CONTRACTOR SHALL REPAIR, AT NO COST TO THE OWNER, ANY DAMAGE DONE BY HIMSELF OR HIS EMPLOYEES. HE SHALL ALSO BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED TO PROPERLY INSTALL HIS WORK. THIS SHALL ALSO INCLUDE THE PATCHING OF EXISTING ROADWAYS (PAVED OR IMPROVED), PARKING AREAS, SIDEWALKS, CURBS, GUTTERS, ETC., CUT TO INSTALL WORK PROVIDED BY THE CONTRACTOR. PATCH WORK SHALL COMPLY WITH THE APPLICABLE SECTIONS OF THESE SPECIFICATIONS AND SHALL MATCH THE EXISTING FINISHES.		
	2x2 SURFACE MOUNTED FIXTURE			DUPLX GFI RECEPTACLE		AC ALTERNATING CURRENT OR AIR CONDITIONER	KVA KILOVOLT-AMPERES				
	2x4 RECESSED FIXTURE			DUPLX GFI RECEPTACLE		ADA AMERICANS W/ DISABILITIES ACT	KW KILOWATT				
	2x4 SURFACE MOUNTED FIXTURE			DUPLX GFI RECEPTACLE		AFB ABOVE FINISHED FLOOR	MCB MAIN CIRCUIT BREAKER				
	1x4 RECESSED FIXTURE			DUPLX GFI RECEPTACLE		AFG ABOVE FINISHED GRADE	MCP MOTOR CIRCUIT PROTECTION				
	1x4 SURFACE MOUNTED FIXTURE			DUPLX GFI RECEPTACLE		AHU AIR HANDLING UNIT	MCU MASTER OR MOTOR CONTROL UNIT				
	1x4 SUSPENDED FIXTURE			DUPLX GFI RECEPTACLE		AMP AMPERES INTERRUPTING CAPACITY	MH METAL HALIDE				
	4 WALL MOUNTED FIXTURE			DUPLX GFI RECEPTACLE		AWG AMERICAN WIRE GAUGE	MLO MAIN LUG ONLY				
	4 SUSPENDED FIXTURE			DUPLX GFI RECEPTACLE		CONDUIT	N NEUTRAL				
	4 WALL MOUNTED FIXTURE			DUPLX GFI RECEPTACLE		CATV CABLE TELEVISION	NA NOT APPLICABLE				
	WALL WASH LIGHT FIXTURE			DUPLX GFI RECEPTACLE		CH COUNTER HEIGHT	NEC NATIONAL ELECTRIC CODE				
	RECESSED DOWNLIGHT			DUPLX GFI RECEPTACLE		COND CONDUIT	NEMA NATIONAL ELECTRICAL MANUFACTURERS ASS.				
	SURFACE MOUNTED DOWNLIGHT			DUPLX GFI RECEPTACLE		CU COPPER OR CONDENSER UNIT	NEF NOT FUSED				
	SUSPENDED PENDANT LIGHT FIXTURE			DUPLX GFI RECEPTACLE		DISC DISCONNECT	NFPA NATIONAL FIRE PROTECTION ASSOCIATION				
	DECORATIVE PENDANT FIXTURE			DUPLX GFI RECEPTACLE		ECB ENCLOSED CIRCUIT BREAKER	NIC NOT IN CONTRACT				
	HIGH BAY LIGHT FIXTURE			DUPLX GFI RECEPTACLE		EF EXHAUST FAN	NL NIGHT LIGHT				
	WALL MOUNTED LIGHT FIXTURE			DUPLX GFI RECEPTACLE		ELEC ELECTRICAL	O.C. ON CENTER				
	WALL MOUNTED LIGHT FIXTURE			DUPLX GFI RECEPTACLE		EMS ENERGY MANAGEMENT SYSTEM	P POLE				
	WALL MOUNTED LIGHT FIXTURE			DUPLX GFI RECEPTACLE		EMT ELECTRICAL METALLIC TUBING	PVL PANELBOARD				
	WALL MOUNTED LIGHT FIXTURE			DUPLX GFI RECEPTACLE		ETR EXISTING TO REMAIN	PVC POLYVINYL CHLORIDE				
	WALL MOUNTED LIGHT FIXTURE			DUPLX GFI RECEPTACLE		EWFC ELECTRIC WATER COOLER	RCS RIGID GALVANIZED STEEL				
	WALL MOUNTED LIGHT FIXTURE			DUPLX GFI RECEPTACLE		EWHE ELECTRIC WATER HEATER	RM ROOM				
	WALL MOUNTED LIGHT FIXTURE			DUPLX GFI RECEPTACLE		EX EXISTING	RTU ROOF TOP UNIT				
	WALL MOUNTED LIGHT FIXTURE			DUPLX GFI RECEPTACLE		EXIST EXISTING	SPFC SPECIFICATION				
	WALL MOUNTED LIGHT FIXTURE			DUPLX GFI RECEPTACLE		FA FIRE ALARM	SS SUPER SAVER OR STAINLESS STEEL				
	WALL MOUNTED LIGHT FIXTURE			DUPLX GFI RECEPTACLE		FACP FIRE ALARM CONTROL PANEL	TBB TELEPHONE/COMPUTER TERMINAL BOARD				
	WALL MOUNTED LIGHT FIXTURE			DUPLX GFI RECEPTACLE		G GROUND	TYP TYPICAL				
	WALL MOUNTED LIGHT FIXTURE			DUPLX GFI RECEPTACLE		GFI GROUND FAULT INTERRUPTER	UON UNLESS OTHERWISE NOTED				
	WALL MOUNTED LIGHT FIXTURE			DUPLX GFI RECEPTACLE		GND GROUND	V VOLTS				
	WALL MOUNTED LIGHT FIXTURE			DUPLX GFI RECEPTACLE		GRC GALVANIZED RIGID CONDUIT	VAV VARIABLE AIR VOLUME				
	WALL MOUNTED LIGHT FIXTURE			DUPLX GFI RECEPTACLE		HVAC HEATING, VENTILATING AND AIR CONDITIONING	VFD VARIABLE FREQUENCY DRIVE				
	WALL MOUNTED LIGHT FIXTURE			DUPLX GFI RECEPTACLE		J JUNCTION	W WIRE				
	WALL MOUNTED LIGHT FIXTURE			DUPLX GFI RECEPTACLE		KAIC (THOUSAND) AMPERE INTERRUPTING CAPACITY	WP WEATHERPROOF				
SWITCHES			DATA/COMMUNICATION			DEFERRED SUBMITTAL			SHOP DRAWING SUBMITTALS		
	SINGLE POLE SWITCH - TOGGLE TYPE - MOUNT 48\"/>			EXISTING COMM AND/OR DATA OUTLET 18\"/>		THE FOLLOWING SUBMITTALS ARE DIFFERED AT THE TIME OF THIS SUBMITTAL. THE CONTRACTOR SHALL SUBMIT THE FOLLOWING SUBMITTALS FOR REVIEW AND APPROVAL: • POWER COMPANY FAULT CURRENT LETTER AND UPDATED SHORT CIRCUIT CALCULATIONS. • SITE LIGHTING POLE SPECIFICATIONS WHICH INCLUDE THE EPA RATING.					
	F1 FIXTURES CONTROLLED BY SWITCH			EXISTING COMM AND/OR DATA OUTLET MOUNTED ABOVE COUNTER							
	3-WAY			EXISTING COMM AND/OR DATA OUTLET							
	4-WAY			EXISTING COMM AND/OR DATA OUTLET							
	DOUBLE POLE			NEW COMM/DATA OUTLET WITH FLUSH MOUNTED 4\"/>							
	DIMMER			NEW COMM/DATA OUTLET WITH FLUSH MOUNTED 4\"/>							
	WALL BOX DIMMER			NEW COMM/DATA OUTLET WITH FLUSH MOUNTED 4\"/>							
	FAN RATED SWITCH			NEW COMM/DATA OUTLET WITH FLUSH MOUNTED 4\"/>							
	KEYSWITCH			NEW COMM/DATA OUTLET WITH FLUSH MOUNTED 4\"/>							
	MOTOR RATED SWITCH - 1 OR 2 POLE 30 AMP WITH INTEGRAL THERMAL OVERLOADS			NEW COMM/DATA OUTLET WITH FLUSH MOUNTED 4\"/>							
	WALL MOUNTED OCCUPANCY SENSOR SWITCH										



ELECTRICAL DEMOLITION PLAN
1/8" = 1'-0"



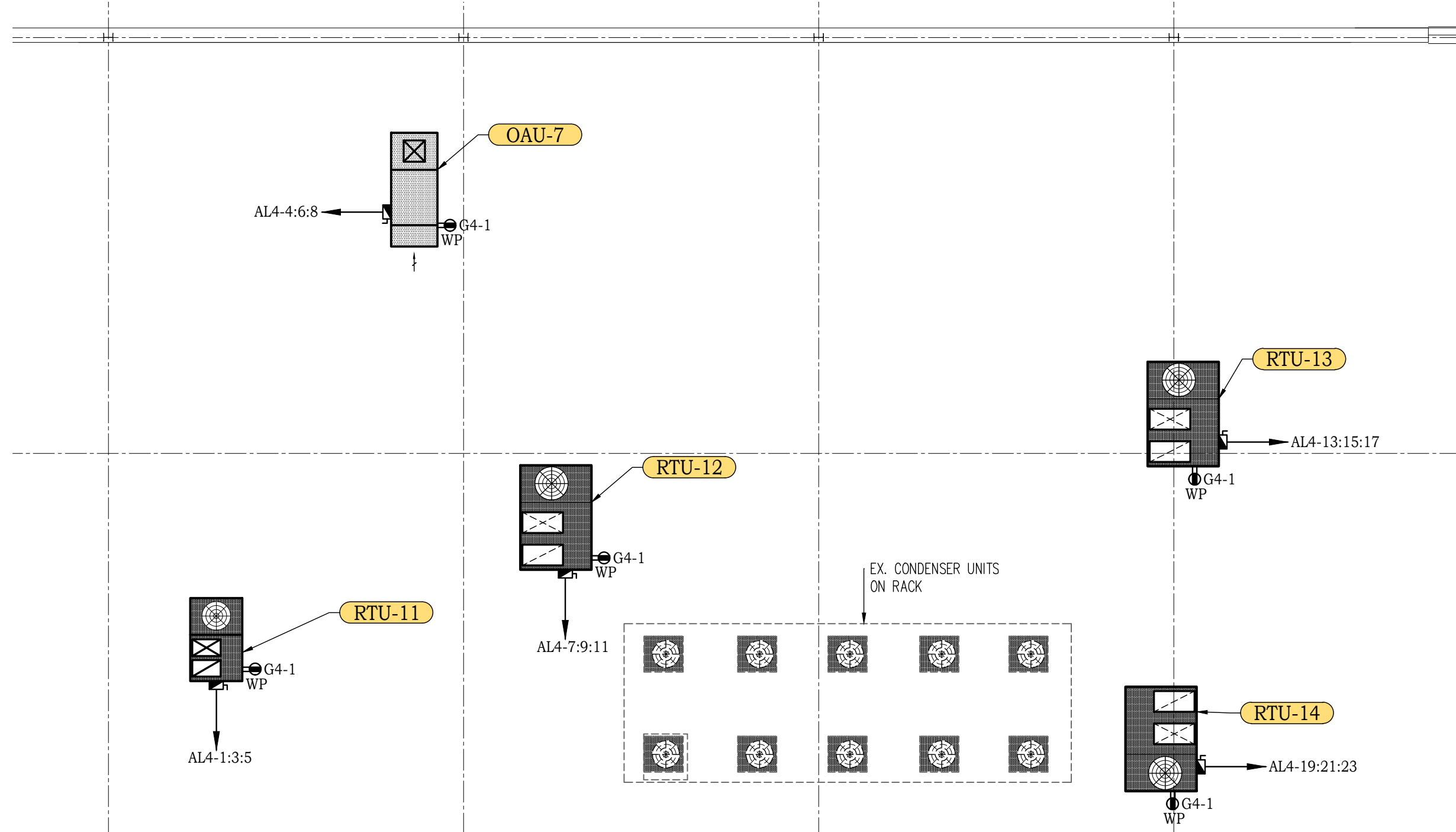
ENLARGED ELECTRICAL PLAN
1/4" = 1'-0"



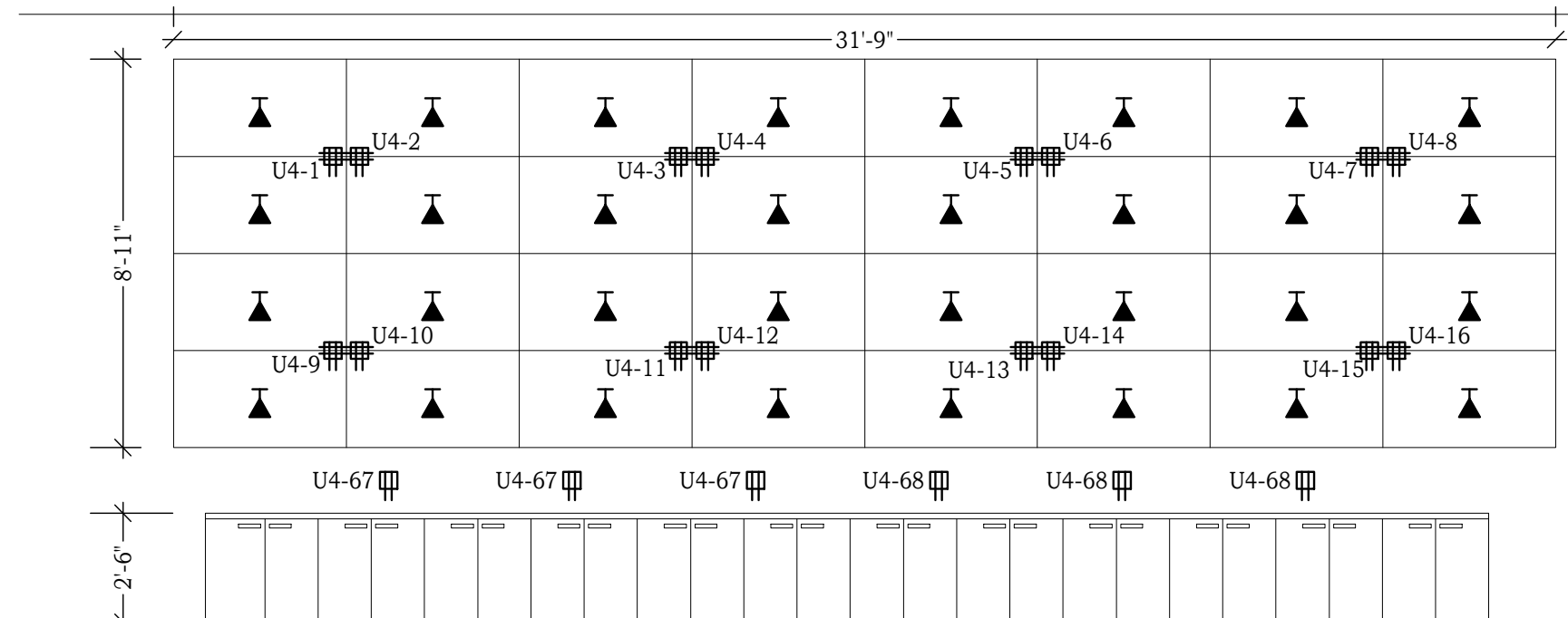
ELECTRICAL POWER PLAN
1/8" = 1'-0"

PLAN NOTES

1. ALL EXISTING DEVICES, FIXTURES, CONDUIT & WIRING SHALL BE REMOVED TO LAST REMAINING DEVICE OR CIRCUIT BREAKER. MAINTAIN CONTINUITY TO DEVICES DOWNSTREAM THAT ARE TO REMAIN.
2. REUSE FIXTURES SHALL BE REMOVED. REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO LAST REMAINING DEVICE OR CIRCUIT BREAKER. MAINTAIN CONTINUITY TO DOWNSTREAM FIXTURES THAT ARE TO REMAIN. RELOCATE SWITCHING AS REQUIRED.



POWER ROOF PLAN
1/4" = 1'-0"



ENLARGED VIDEO WALL ELEVATION
1/4" = 1'-0"

DATE
SEPTEMBER 18, 2025

REVIEW SET ☒
PERMIT SET ☐
BID SET ☐
CONSTRUCTION SET ☐
AS BUILT ☐

REVISIONS

NO. DATE DESCRIPTION

OCALA POLICE DEPARTMENT
402 SOUTH PINE AVENUE
OCALA, FLORIDA 34471

SHEET NO.:

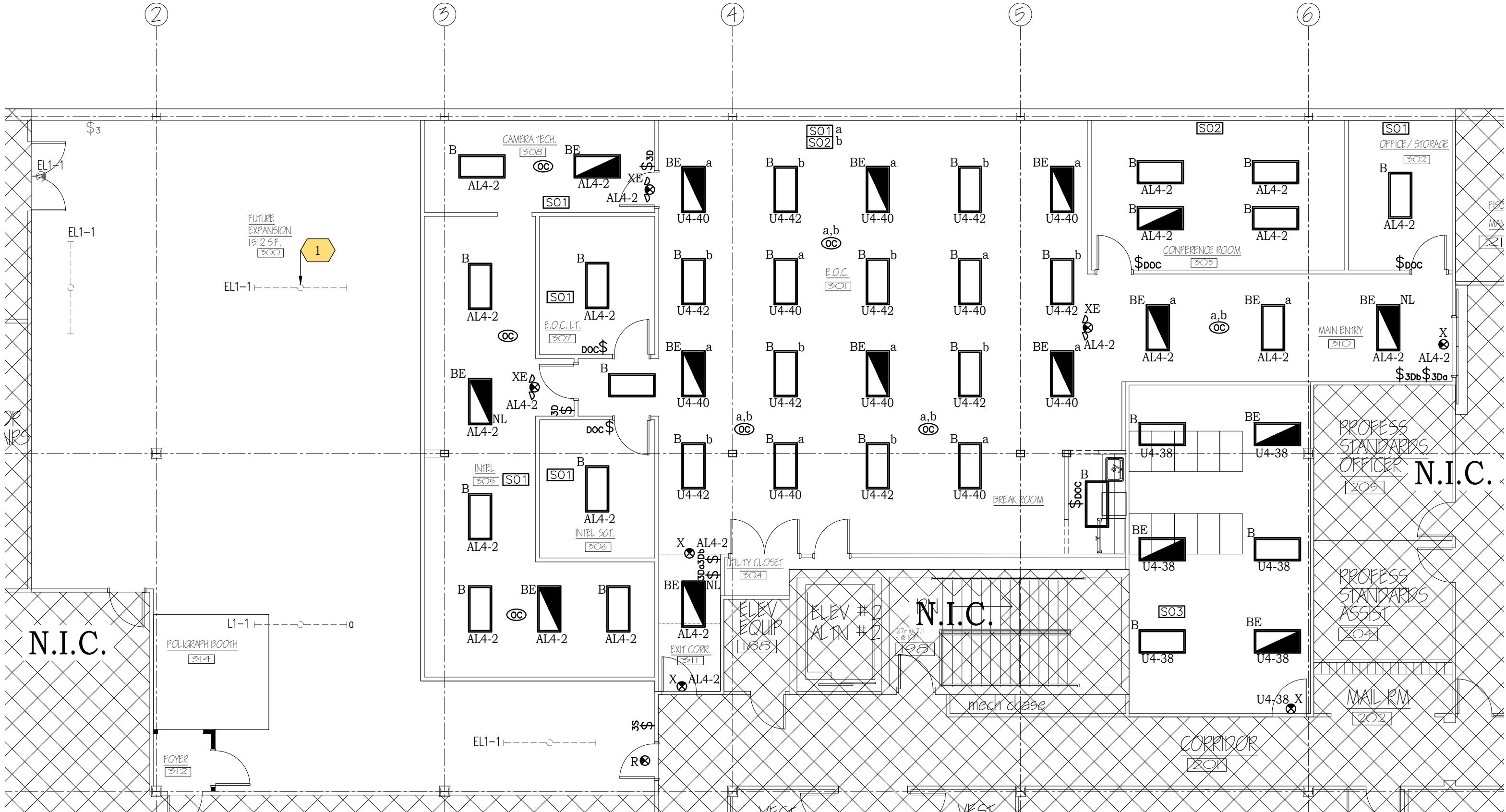
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DRAWN: EED
CHECKED: JMF
APPROVED: DAD

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ELECTRICAL POWER PLANS



ELECTRICAL LIGHTING PLAN
1/8" = 1'-0"

PLAN NOTES

1. REUSE EXISTING LIGHTS

INTERIOR LIGHTING POWER DENSITY

ENERGY USE VS. ALLOWANCE SUMMARY - FBC C405.3.2(1)/C405.3.2(2)							
AREA	ALLOWANCE			LUMINAIRES			
	AREA (Sq.Ft.)	ALLOWED (W/Sq.Ft.)	ALLOWED WATTS	#	TYPE	WATT DESIGNED	DESIGNED (W/Sq.Ft.)
OFFICE	3216	0.64	2380	32	B	42	1341
IT ROOM	442	X	X	6	B	42	X
TOTAL				X		X	X

LIGHTING CONTROL SEQUENCE
OF OPERATION SCHEDULE

TAG	DESCRIPTION
S01	AUTO ON 50% (ADJUSTABLE)/ AUTO OFF
S02	MANUAL ON/AUTO OFF.
S03	NO AUTOMATIC CONTROLS FOR LIFE SAFETY

LIGHTING SCHEDULE

MARK	DESCRIPTION	LAMPS			DIFFUSER	MOUNTING	VOLTAGE	MANUFACTURER
		QTY.	WATTS	TYPE				
B	2x4 RECESSED FLAT PANEL LED FIXTURE		55	LED	ACRYLIC	RECESSED	UNV	LITHONIA CPANL 2X4 AL06 SSW7 M2
BE	2x4 RECESSED FLAT PANEL LED FIXTURE W/ BACKUP		55	LED	ACRYLIC	RECESSED	UNV	LITHONIA CPANL 2X4 AL06 SSW7 M2 ILBLP CF10 HE SD A
E	EMERGENCY LIGHT WITH BACKUP		5	LED		WALL	UNV	LITHONIA ELM4L
E1	EMERGENCY LIGHT WITH BACKUP		10	LED		WALL/CEILING	UNV	LITHONIA ELM6L UVOLT LTP
X	EXIT LIGHT W/ BACKUP		5	LED		WALL/CEILING	UNV	LITHONIA EXRG EL M6
XE	COMBINATION EXIT/EMERGENCY LIGHT W/ BACKUP		5	LED		WALL/CEILING	UNV	LITHONIA ECRG RD M6

- NOTES:
1. PROVIDE ALL EMERGENCY DEVICES WITH BATTERY BACKUP, MINIMUM 90 MINUTES.
 2. EXIT SIGNS SHALL BE PROVIDE WITH ARROWS AS DIRECTED ON PLANS.
 3. CONTRACTOR SHALL COORDINATE ALL RECESSED LIGHTING WITH CEILING TYPES AND PROVIDE DRYWALL KITS AS REQUIRED.
 4. CONTRACTOR SHALL COORDINATE ALL EXTERIOR FIXTURE FINISHES WITH ARCHITECT/OWNER PRIOR TO PURCHASING.
 5. ALL LIGHTING SHALL BE CONTROLLED BY SENSORSWITCH OR EQUAL.



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DDC PROJECT NO.: 25069

CONSULTANTS:

DATE
SEPTEMBER 18, 2025

REVIEW SET ☒
PERMIT SET ☐
BID SET ☐
CONSTRUCTION SET ☐
AS BUILT ☐

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SHEET NO.:

E-3

DRAWN: EED
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APPROVED: DAD

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