

4J SECURITY IMPROVEMENTS

EUGENE SCHOOL DISTRICT 4J

SHELDON HIGH SCHOOL

CONSTRUCTION DRAWING SET

ADDITIONAL DRAWING SET INFO

03.15.2023

2207

APPLICABLE CODE:

2022 OREGON STRUCTURAL SPECIALTY CODE
2021 OREGON ELECTRICAL SPECIALTY CODE
2021 OREGON ZERO ENERGY READY COMMERCIAL CODE
2019 OREGON MECHANICAL SPECIALTY CODE
2021 OREGON PLUMBING SPECIALTY CODE
2011 OREGON ELEVATOR SPECIALTY CODE
2019 OREGON FIRE CODE
2018 NFPA 1, 10
2016 NFPA 13
ICC 117.1- 2009 ACCESSIBILITY CODE

SITE DATA SUMMARY

PROPOSED IMPERVIOUS SURFACE AREA

LOCATION:	GSF
ROOF, BUILDING:	XX GSF
ROOF, 3 CANOPIES:	XX GSF
PAVING:	XX GSF
TOTAL:	XX GSF

LAND USE CODE INFORMATION

ADDRESS: 2455 Willakenzie Road, Eugene, OR 97401

MAP & TAX LOT #: 17032012 - 04300

SDC INFORMATION - PLUMBING FIXTURE COUNT

FIXTURE	REMOVED	ADDED	NET CHANGE
COMMERCIAL WASHER			
DRINKING FOUNTAIN			
FLOOR DRAIN			
FLOOR SINK			
JANITORY SINK			
LAVATORY (RESTROOM)			
SHOWER			
SINK			
URINAL			
WATER CLOSET			

ACCESSIBILITY FOR EXISTING BUILDINGS (3411)

PRIORITY OF IMPROVEMENTS PER ORS 447.241:
PARKING: EXISTING
ENTRANCE: EXISTING
ROUTE TO ALTERED AREA: EXISTING
RESTROOMS: EXISTING
TELEPHONES:
DRINKING FOUNTAINS:
STORAGE:

BUILDING CODE INFORMATION

OCCUPANCIES (CHAPTER 3):
E - EDUCATIONAL

DEFERRED SUBMITTALS

-STOREFRONT SYSTEM

SPECIAL INSPECTIONS

-X
-X

PROJECT TEAM

OWNER

EUGENE SCHOOL DISTRICT 4J
ADMINISTRATION: 715 WEST FOURTH AVENUE, EUGENE, OREGON 97402
FACILITIES: 200 NORTH MONROE ST, EUGENE OREGON 97402
ADMINISTRATION PHONE: (541) 790-7400
FACILITIES PHONE: (541) 790-7421
CONTACT: RYAN SPAIN, SPAIN_R@4J.LANE.EDU

ARCHITECT

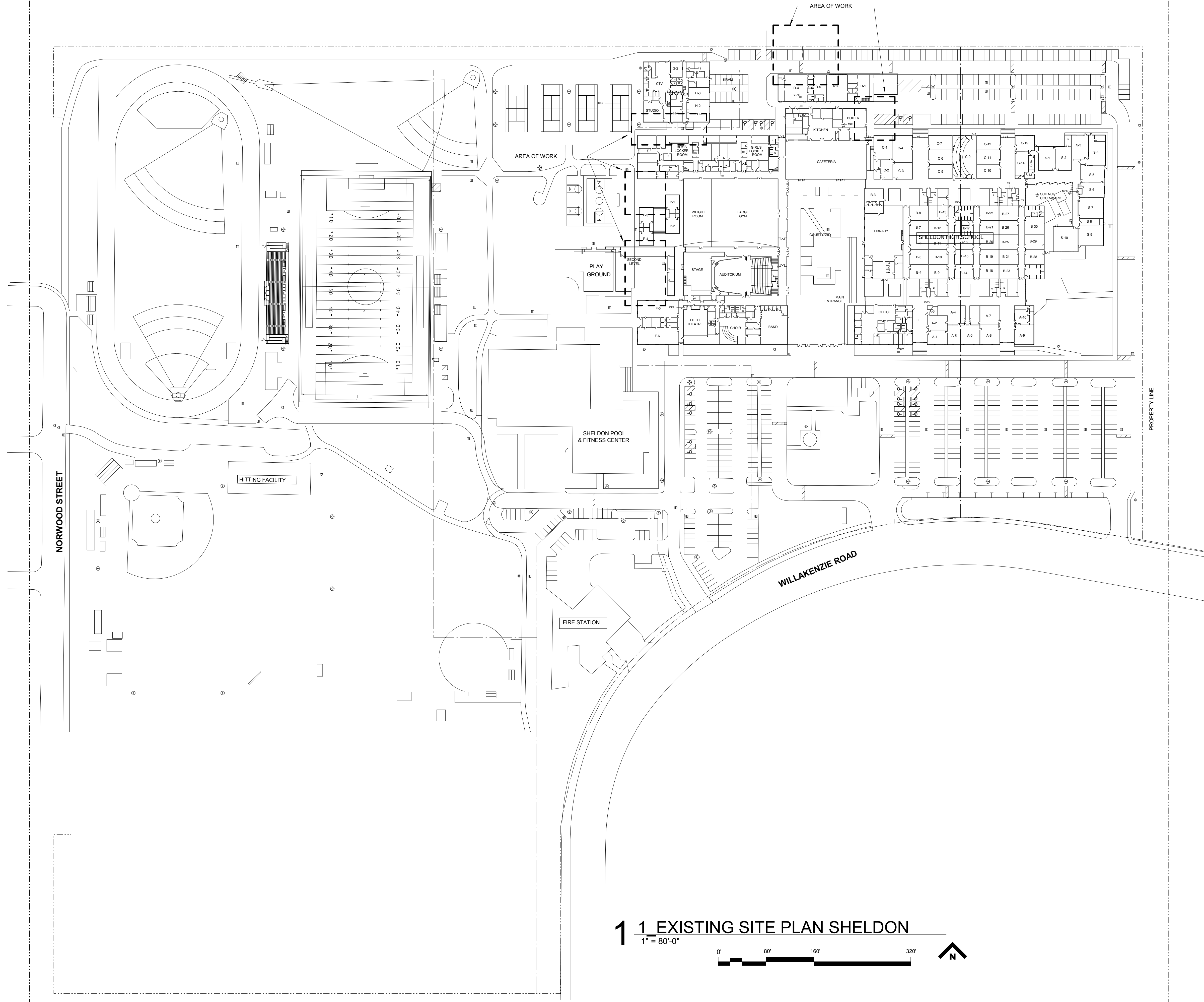
PIVOT ARCHITECTURE PC
44 WEST BROADWAY, SUITE 300
EUGENE, OR 97401
PHONE: (541) 342-7291
CONTACT: JOHN STAPLETON, JSTAPLETON@PIVOTARCHITECTURE.COM

MECHANICAL ENGINEER

KCL ENGINEERS
296 E. 5TH AVE, SUITE 501
EUGENE, OR 97401
PHONE: (503) 212-4612
CONTACT: CHARLIE WHITE

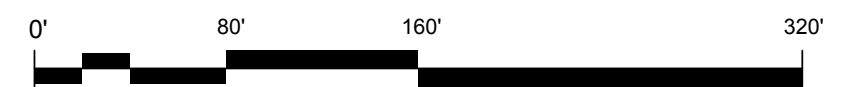
ELECTRICAL ENGINEER

KCL ENGINEERS
296 E. 5TH AVE, SUITE 501
EUGENE, OR 97401
PHONE: (503) 212-4612
CONTACT: SHYLA KEAYS-GOODMAN



1 1 EXISTING SITE PLAN SHELDON

1" = 80'-0"



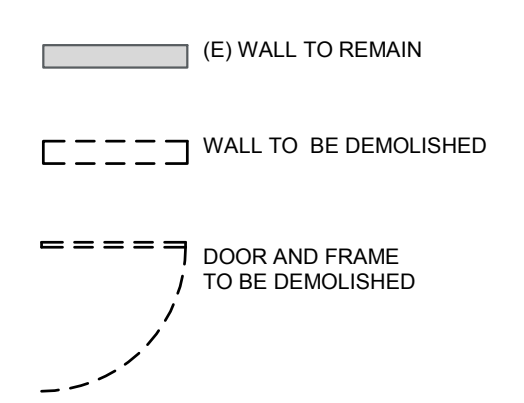
GENERAL NOTES - DEMOLITION

- A. PROTECT ALL EXISTING CONSTRUCTION TO REMAIN.
- B. COORDINATE WITH OWNER FOR REMOVAL AND STORAGE OF (E) EQUIPMENT AND CASEWORK TO BE SALVAGED.
- C. REMOVE EXISTING DOOR WALL STOPS WHERE DOORS NO LONGER EXIST.
- D. PROTECT (E) FLOORS, WALLS, CEILING & FINISHES TO REMAIN.
- E. REMOVE AND STORE MATERIAL AND EQUIPMENT WHERE INDICATED TO BE SALVAGED OR RELOCATED.
- F. WHEN REMOVING FLOOR FINISHES REMOVE ALL ADHESIVE, GROUT, RESIDUE AND DEBRIS.
- G. COORDINATE WITH ELECTRICAL FOR ITEMS TO BE DEMOLISHED, REMOVED, AND/OR SALVAGED.
- H. COORDINATE WITH MECHANICAL/PLUMBING FOR ITEMS TO BE DEMOLISHED, AND/OR SALVAGED.
- I. COORDINATE WITH OWNERS MODULAR SYSTEMS FURNITURE CONTRACTOR FOR CHANGES TO FURNITURE AND SYSTEM CASEWORK.
- J. COORDINATE WITH OWNER FOR ANY CEILING/FLOORING DISRUPTION REGARDING ACM.

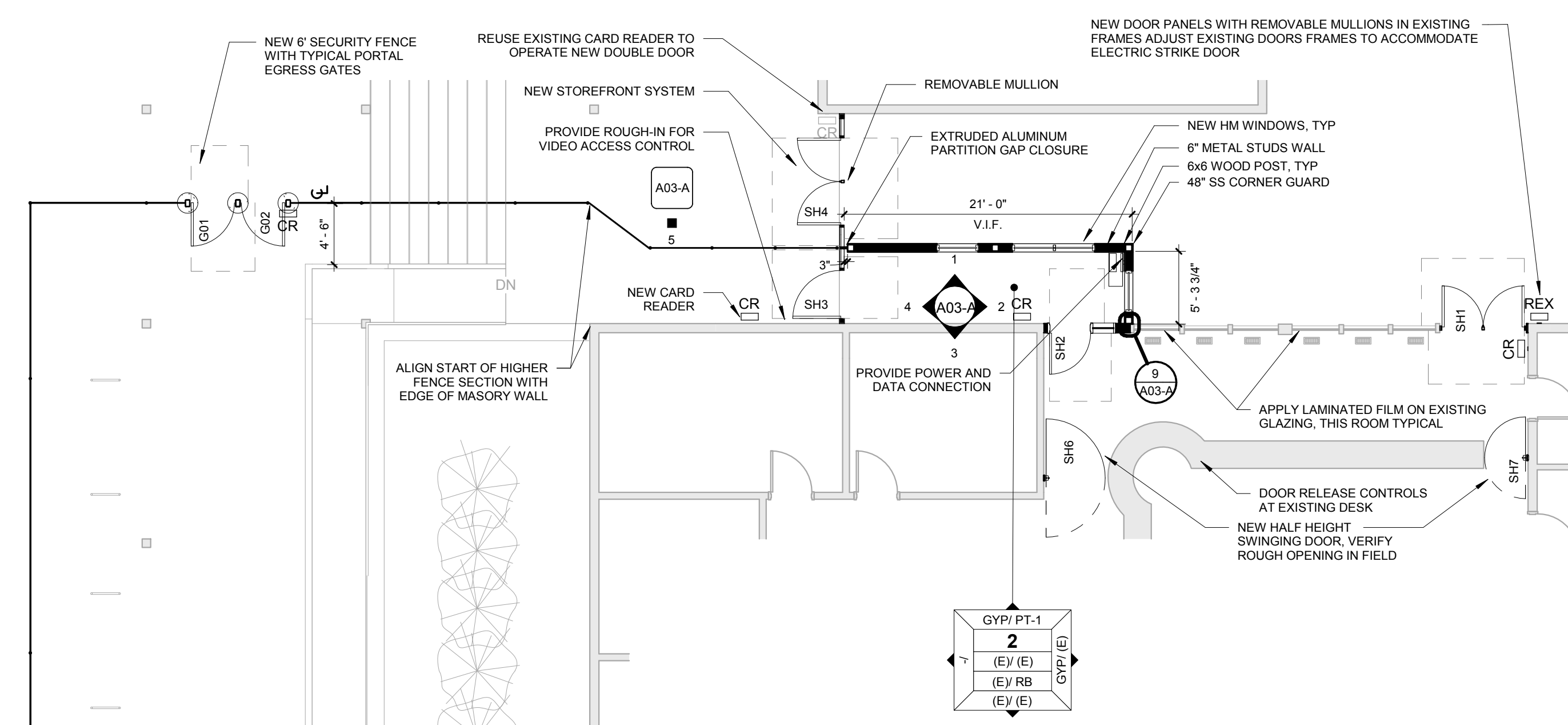
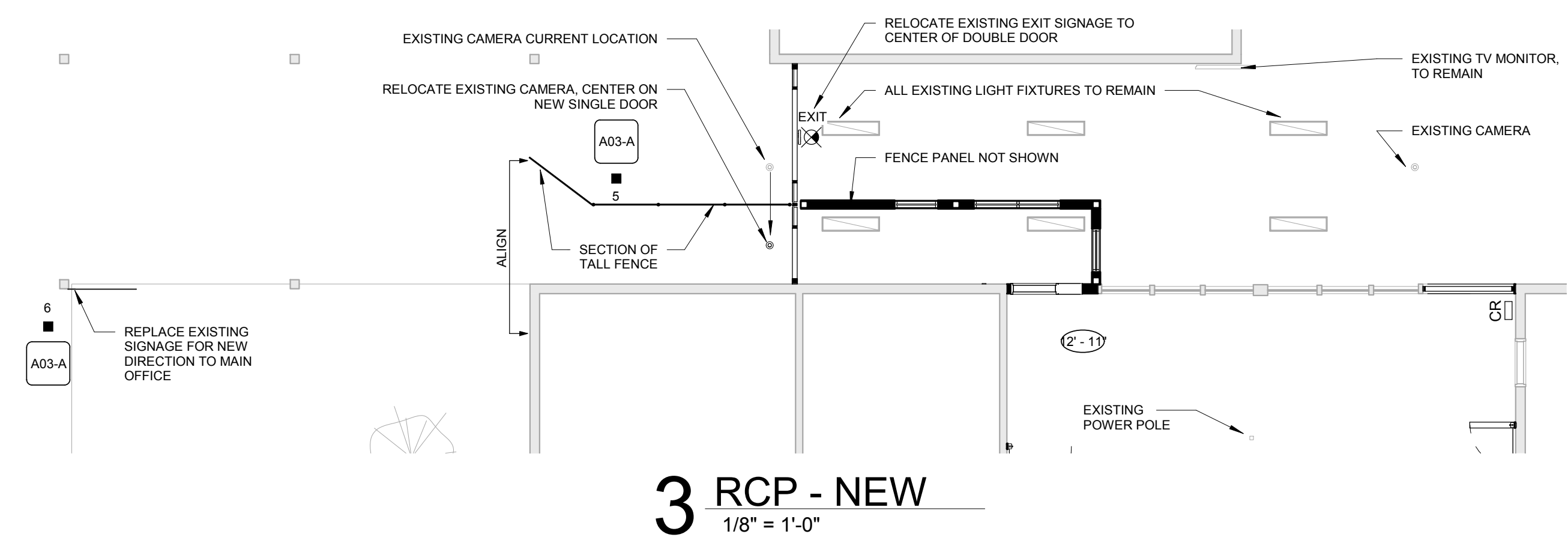
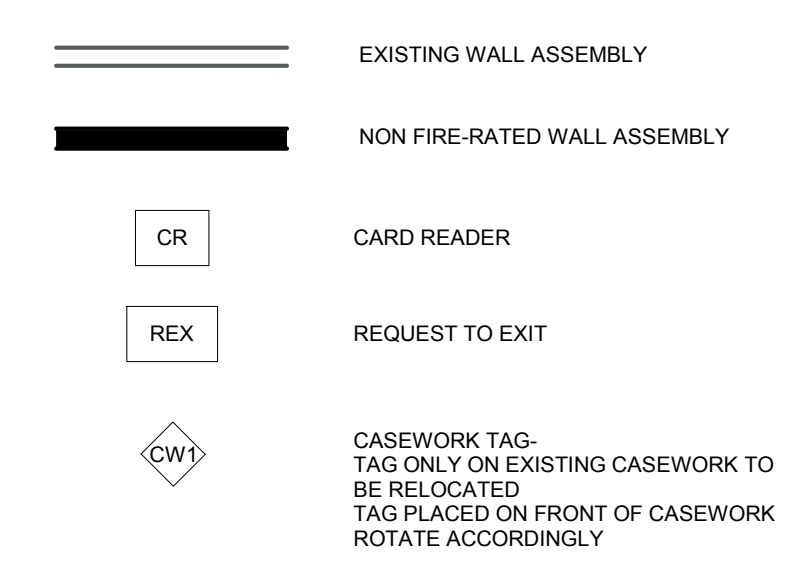
GENERAL NOTES - FLOOR PLANS

- A. DIMENSIONS SHOWN ARE TO THE FACE OF STUD, CONCRETE OR MASONRY UNLESS OTHERWISE NOTED. CONTACT THE ARCHITECT FOR ANY ADDITIONAL DIMENSIONS REQUIRED TO LAY OUT THE WORK.
- B. MASONRY DIMENSIONS ARE THE ACTUAL MASONRY UNIT SIZES UNLESS OTHERWISE NOTED.
- C. REFER TO WALL ASSEMBLY INFORMATION FOR WALL CONSTRUCTION AND THICKNESS.
- D. REPAIR PATCHED SURFACES THAT ARE DAMAGED, LIFTED, DISCOLORED, OR SHOWING OTHER IMPERFECTIONS DUE TO PATCHING WORK. IF DEFECTS ARE DUE TO CONDITION OF SUBSTRATE, REPAIR SUBSTRATE PRIOR TO REPAIRING FINISH.
- E. WHERE (E) FLOOR IS TO REMAIN, PROTECT FROM DAMAGE. PATCH AND REPAIR ANY HOLES IN CONCRETE SLAB CAUSED BY DEMOLITION OF EXISTING WALLS, (I.E. WALL ANCHORS).
- F. PATCH AND REPAIR ANY WALL AND CEILING LOCATIONS WHERE EXISTING ELECTRICAL AND VOICE/DATA OUTLET, JUNCTION BOXES, AND SIMILAR WALL MOUNTED ITEMS ARE REMOVED OR ABANDONED WITHIN THE WORK AREA.
- G. PATCH AND REPAIR WALL AND CEILING SURFACES WHERE MODULAR SYSTEMS FURNITURE WAS REMOVED BY SEPARATE CONTRACTOR.
- H. PATCH AND REPAIR ANY WALL LOCATIONS WHERE EXISTING WALL COVERING HAS BEEN REMOVED WITHIN THE WORK AREA.
- I. PATCH AND REPAIR ANY WALL LOCATIONS WHERE EXISTING WALL BASE HAS BEEN REMOVED WITHIN THE WORK AREA.
- J. PATCH AND REPAIR ANY WALL LOCATIONS WHERE EXISTING EQUIPMENT, ACCESSORIES, HARDWARE OR OTHER SURFACE MOUNTED ELEMENTS HAVE BEEN REMOVED WITHIN THE WORK AREA.
- K. VERIFY LOCATION OF PROX-CARD READERS, AUTOMATIC DOOR OPENERS AND WIRELESS ACTUATORS WITH ARCHITECT DURING ROUGH-IN PHASE OF THE WORK.
- L. COORDINATE WITH OWNER FOR ANY CEILING/FLOORING DISRUPTION REGARDING ACM.

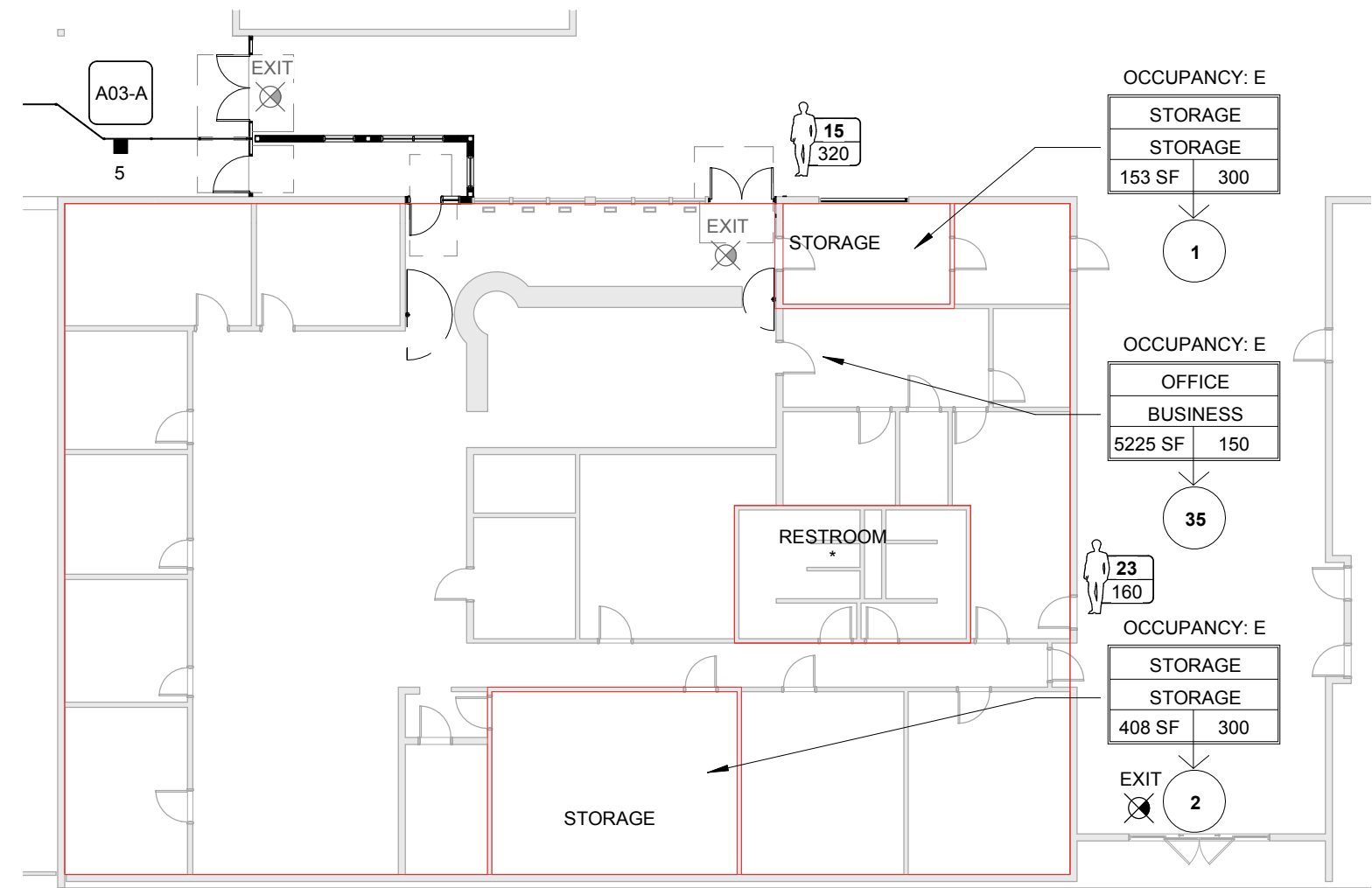
DEMOLITION LEGEND



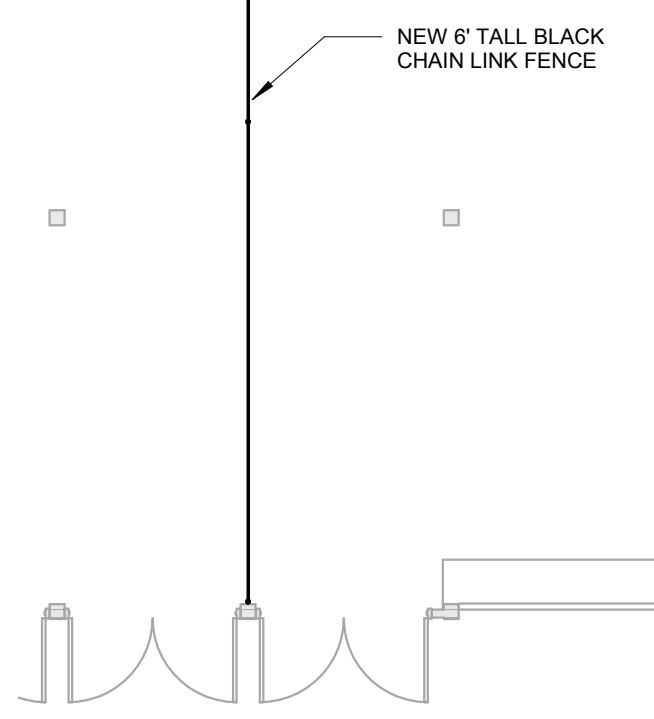
WALL FILL PATTERNS:



2 FLOOR PLAN - NEW CONSTRUCTION
1/8" = 1'-0"

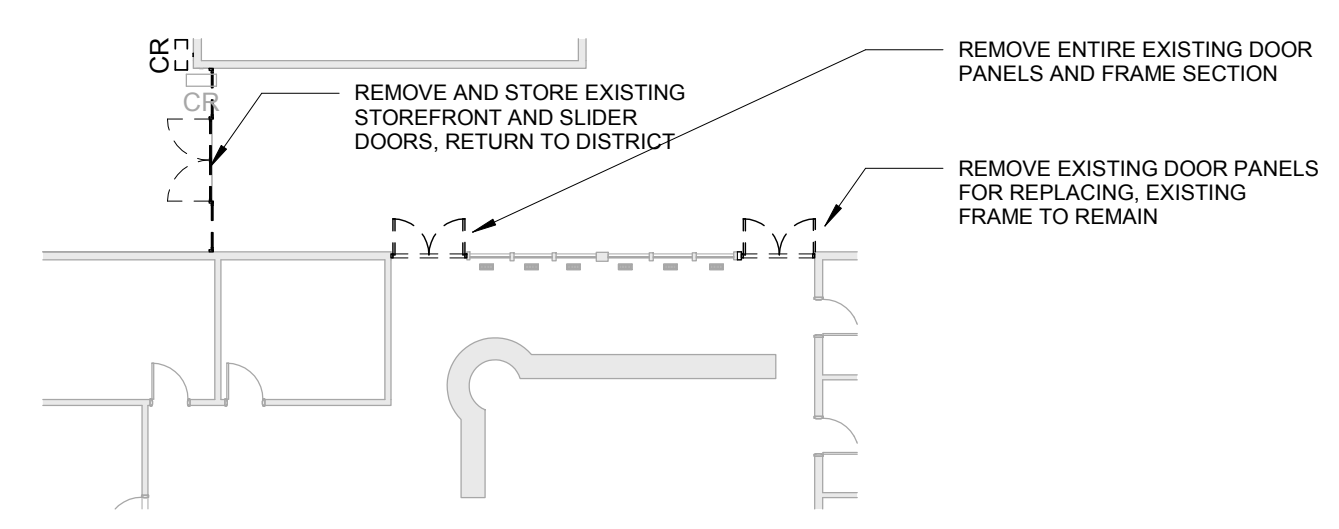


6 EGRESS PLAN -MAIN OFFICE
1/16" = 1'-0"

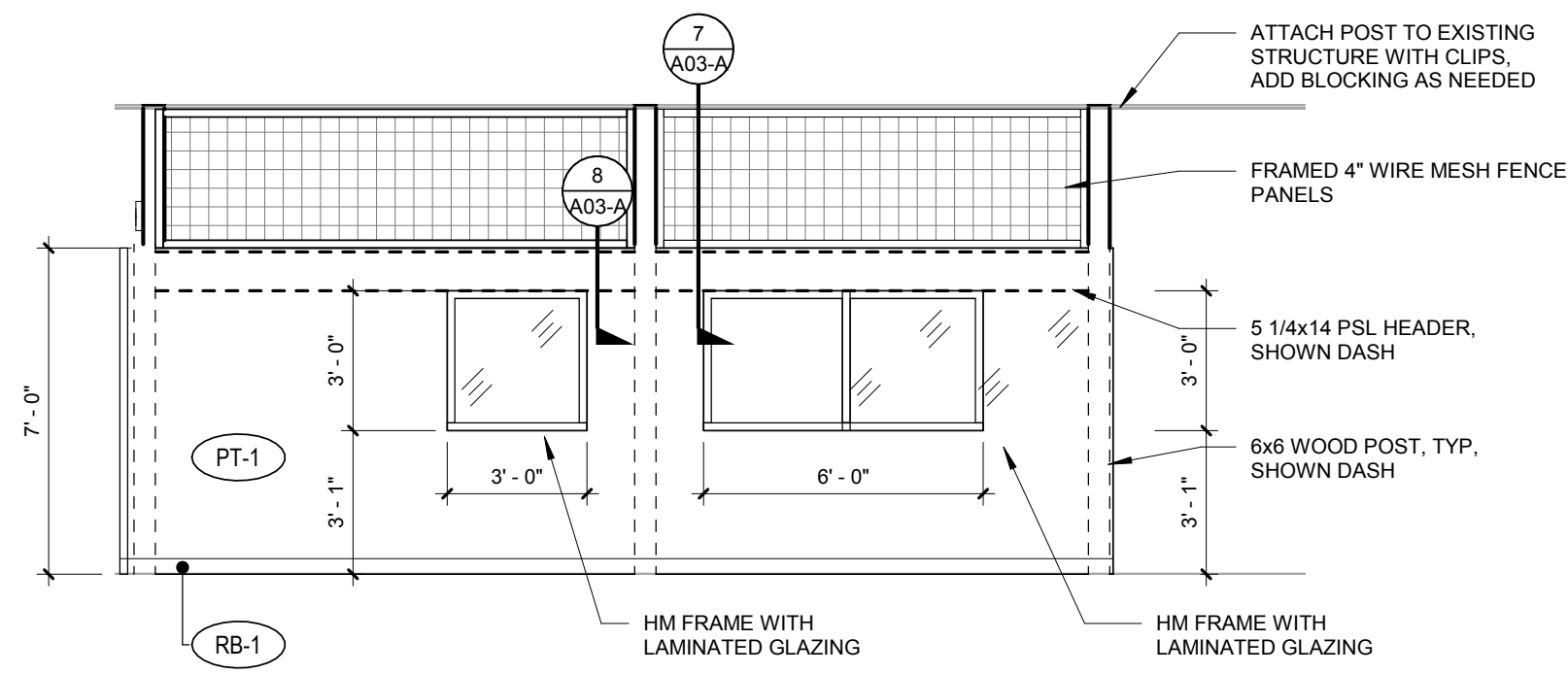


DOOR SCHEDULE - SH

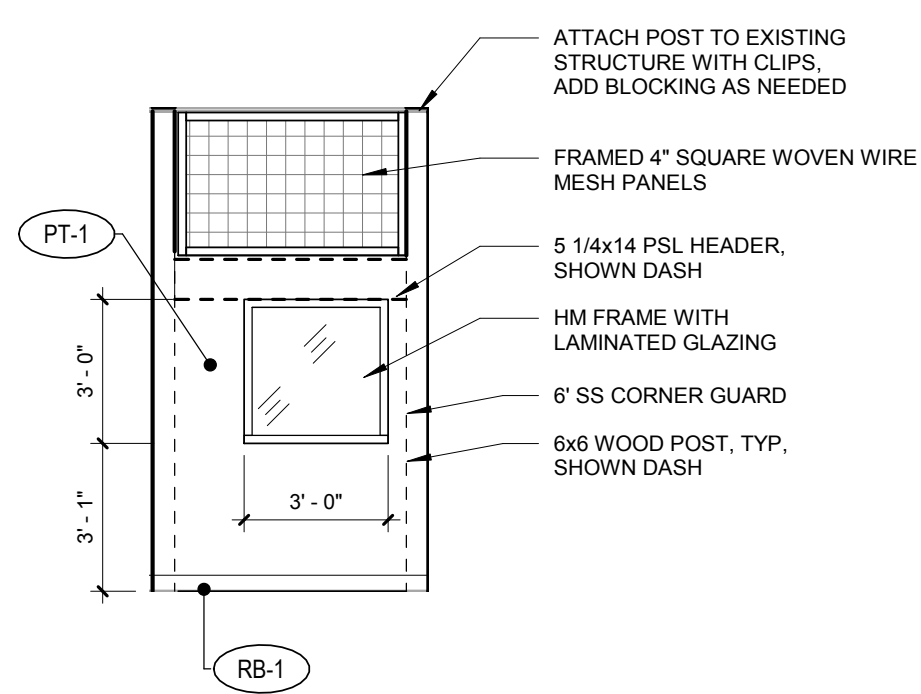
MARK	WIDTH	HEIGHT	DOOR PANEL		DOOR FRAME		HARDWARE GROUP	COMMENTS
			TYPE	(E)	TYPE	FINISH		
SH1	6'-0"	7'-0"	WOOD	(E)			02	CONTROL ACCESS - SEE HARDWARE SPECIFICATION
SH2	4'-8"	7'-0"	WOOD	HM	PAINT		01	WITH SIDE LITE - CONTROL ACCESS - SEE HARDWARE SPECIFICATION
SH3	3'-6"	7'-0"	ALUM	ALUM			03	CONTROL ACCESS - SEE HARDWARE SPECIFICATION
SH4	6'-4"	7'-0"	ALUM	ALUM			03	CONTROL ACCESS - SEE HARDWARE SPECIFICATION
SH6	4'-4"	3'-6"	ALUM	ALUM		PER MANUFACTURER	PER MANUFACTURER	HALF HEIGHT ALUMINUM TRAFFIC DOOR - VERIFY OPENING IN FIELD
SH7	3'-0"	3'-6"	ALUM	ALUM		PER MANUFACTURER	PER MANUFACTURER	HALF HEIGHT ALUMINUM TRAFFIC DOOR - VERIFY OPENING IN FIELD



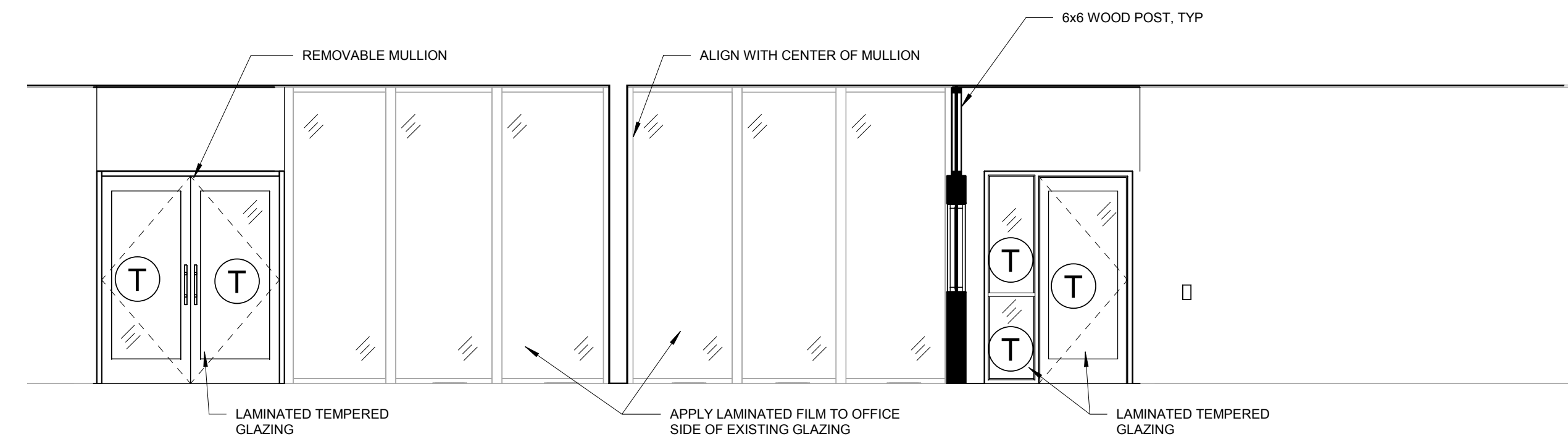
1 FLOOR PLAN - DEMOLITION
1/16" = 1'-0"



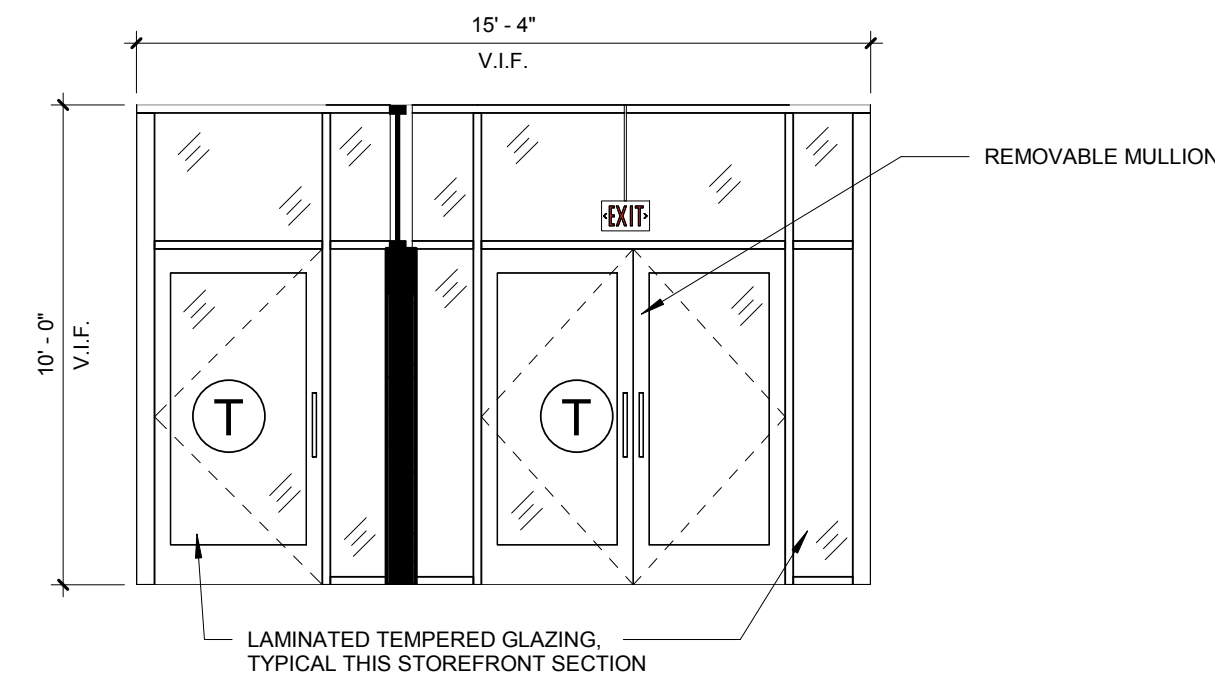
1 HS - SHELDON - ENTRY VESTIBULE - N
1/4" = 1'-0"



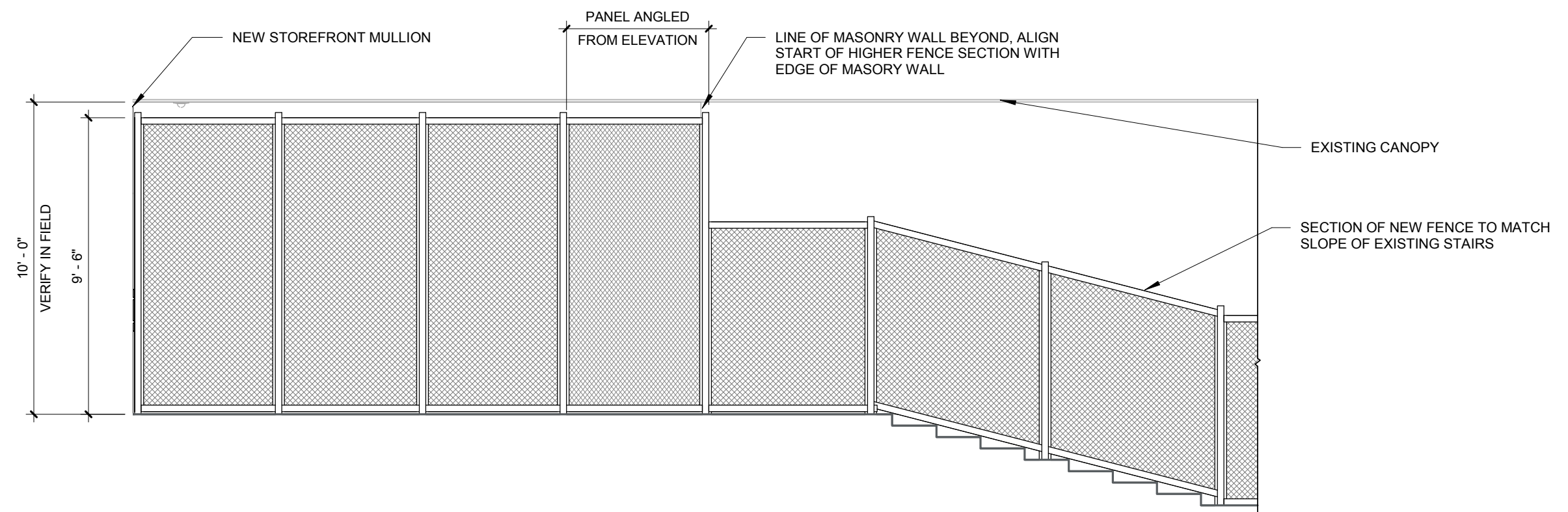
2 HS - SHELDON - ENTRY VESTIBULE - E
1/4" = 1'-0"



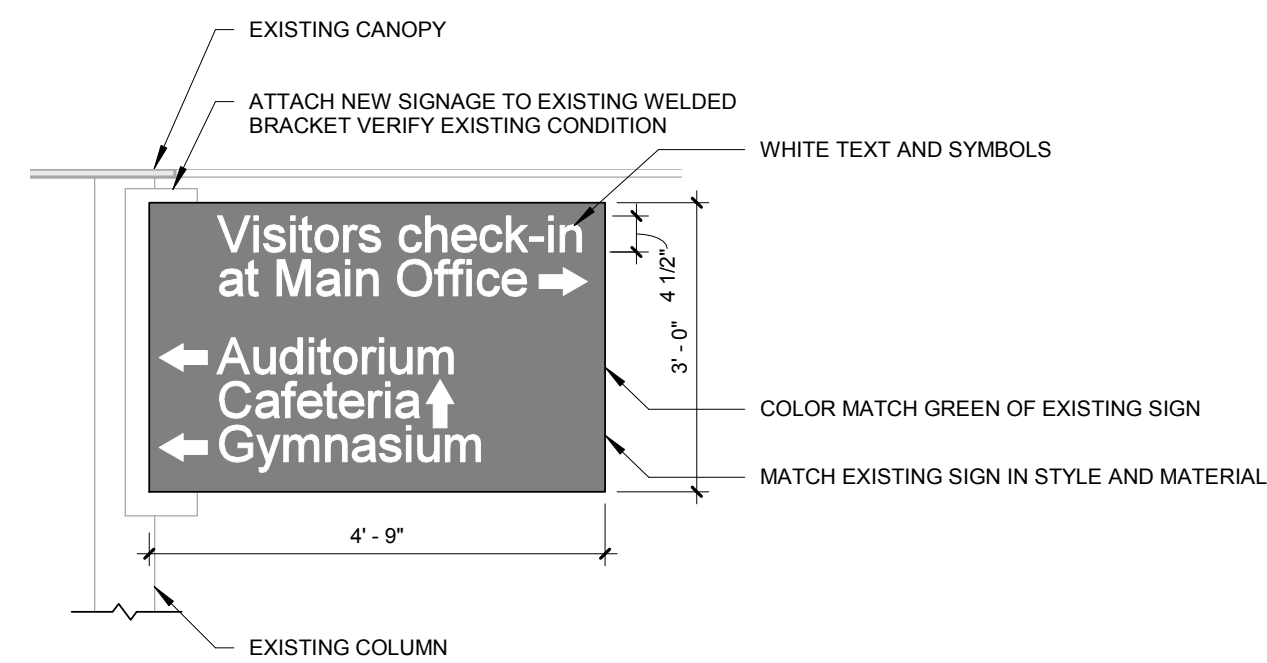
3 HS - SHELDON - ENTRY VESTIBULE - S
1/4" = 1'-0"



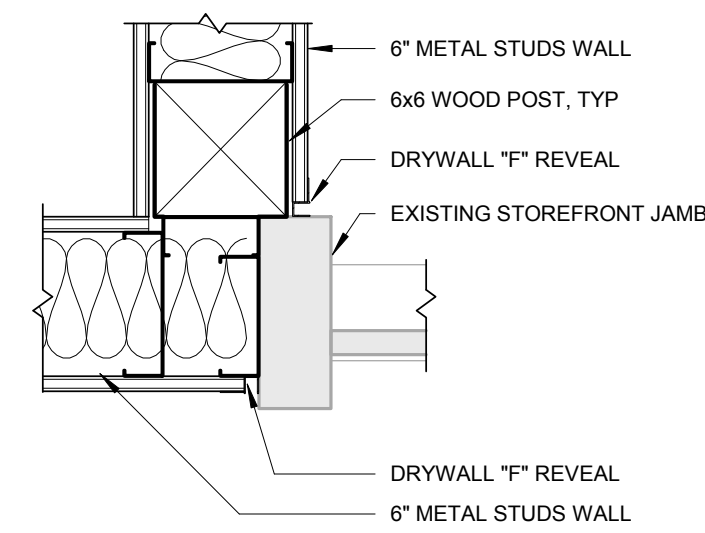
4 HS - SHELDON - ENTRY VESTIBULE - W
1/4" = 1'-0"



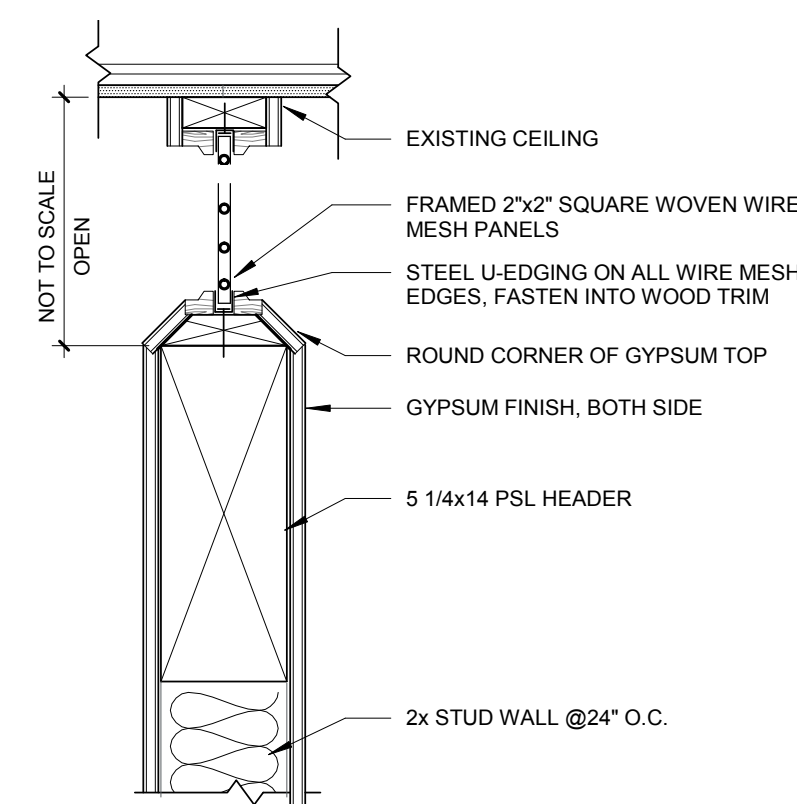
5 SHELDON FENCE ELEVATION
1/4" = 1'-0"



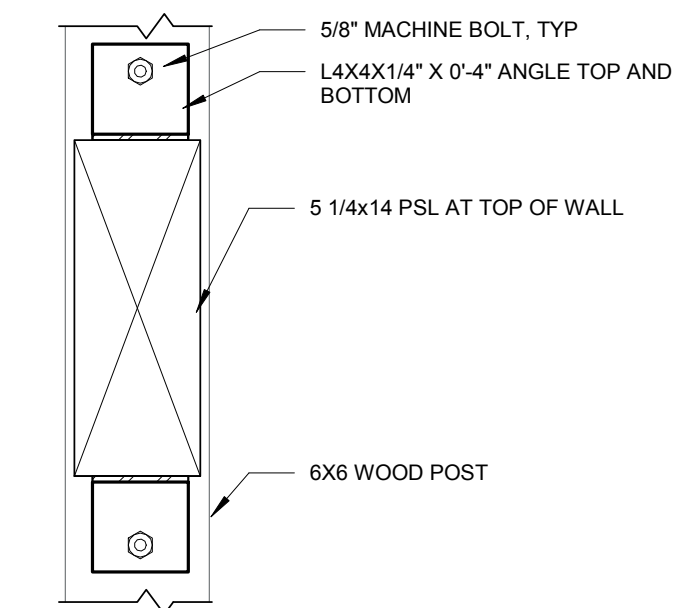
6 REPLACEMENT SIGNAGE
1/2" = 1'-0"



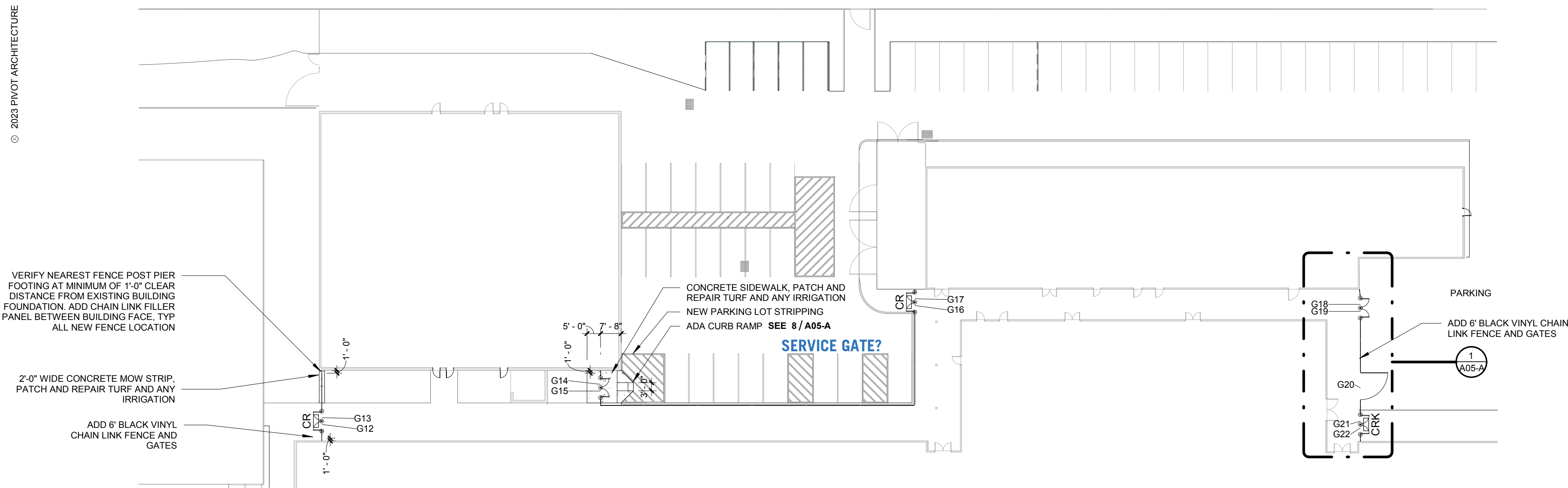
9 WALL DETAIL
1 1/2" = 1'-0"



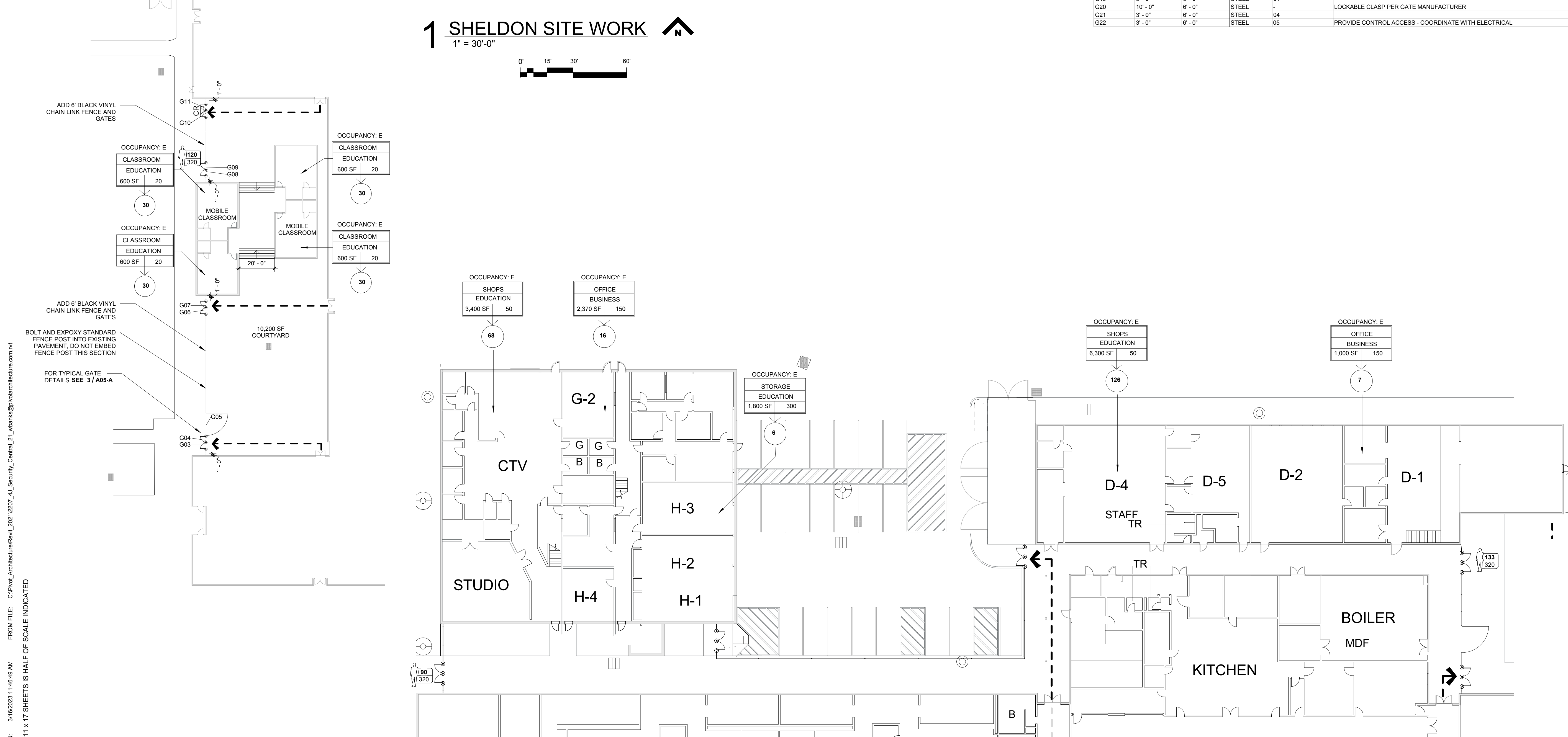
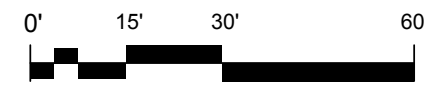
7 HEAD DETAIL
1 1/2" = 1'-0"



8 HEADER CONNECTION
1 1/2" = 1'-0"



1 SHELDON SITE WORK
1" = 30'-0"



GENERAL NOTES

VERIFY EXISTING FOOTING IN FIELD. ALERT ARCHITECT ONCE THE EXISTING CONDITIONS ARE CONFIRMED.

DOOR SCHEDULE - SH GATES

MARK	WIDTH	HEIGHT	GATE TYPE	HARDWARE GROUP	COMMENTS
G01	3'-2"	6'-0"	STEEL	04	
G02	3'-2"	6'-0"	STEEL	05	PROVIDE CONTROL ACCESS - COORDINATE WITH ELECTRICAL
G03	3'-2"	6'-0"	STEEL	04	
G04	3'-2"	6'-0"	STEEL	04	
G05	12'-0"	6'-0"	STEEL	-	LOCKABLE CLASP PER GATE MANUFACTURER
G06	3'-2"	6'-0"	STEEL	04	
G07	3'-2"	6'-0"	STEEL	04	
G08	3'-2"	6'-0"	STEEL	04	
G09	3'-2"	6'-0"	STEEL	04	
G10	3'-2"	6'-0"	STEEL	05	PROVIDE CONTROL ACCESS - COORDINATE WITH ELECTRICAL
G11	3'-2"	6'-0"	STEEL	04	
G12	3'-2"	6'-0"	STEEL	05	PROVIDE CONTROL ACCESS - COORDINATE WITH ELECTRICAL
G13	3'-2"	6'-0"	STEEL	04	
G14	3'-2"	6'-0"	STEEL	05	PROVIDE CONTROL ACCESS - COORDINATE WITH ELECTRICAL
G15	3'-2"	6'-0"	STEEL	04	
G16	3'-2"	6'-0"	STEEL	05	PROVIDE CONTROL ACCESS - COORDINATE WITH ELECTRICAL
G17	3'-2"	6'-0"	STEEL	04	
G18	3'-0"	6'-0"	STEEL	04	
G19	3'-0"	6'-0"	STEEL	04	
G20	10'-0"	6'-0"	STEEL	-	LOCKABLE CLASP PER GATE MANUFACTURER
G21	3'-0"	6'-0"	STEEL	04	
G22	3'-0"	6'-0"	STEEL	05	PROVIDE CONTROL ACCESS - COORDINATE WITH ELECTRICAL

3 EGRESS SITE PLAN SHELDON
1" = 20'-0"



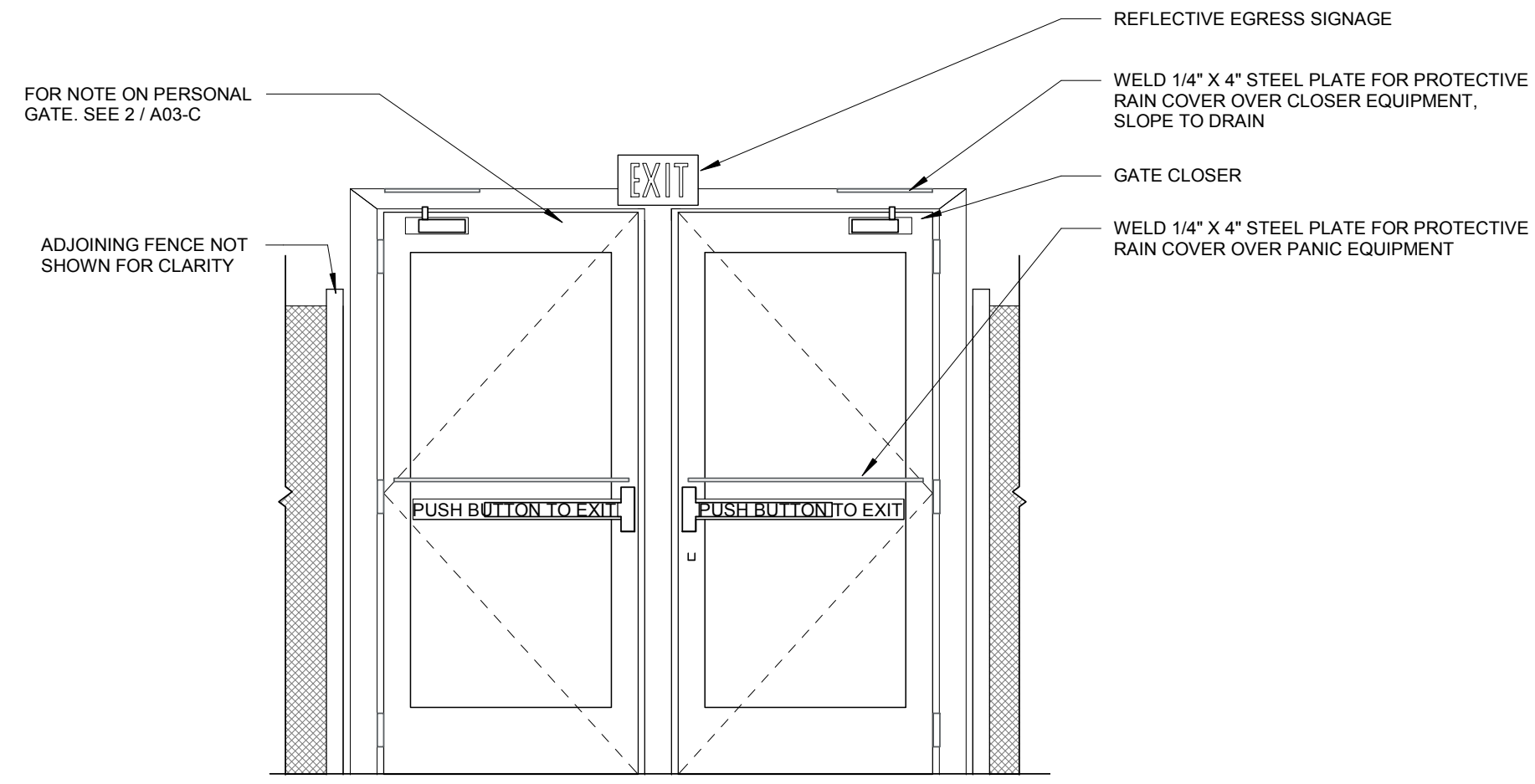
CONSTRUCTION DRAWING SET
4J SECURITY IMPROVEMENTS
PROJECT #: 2207
EUGENE SCHOOL DISTRICT 4J

SHEET TITLE:
SHELDON - SITE WORK

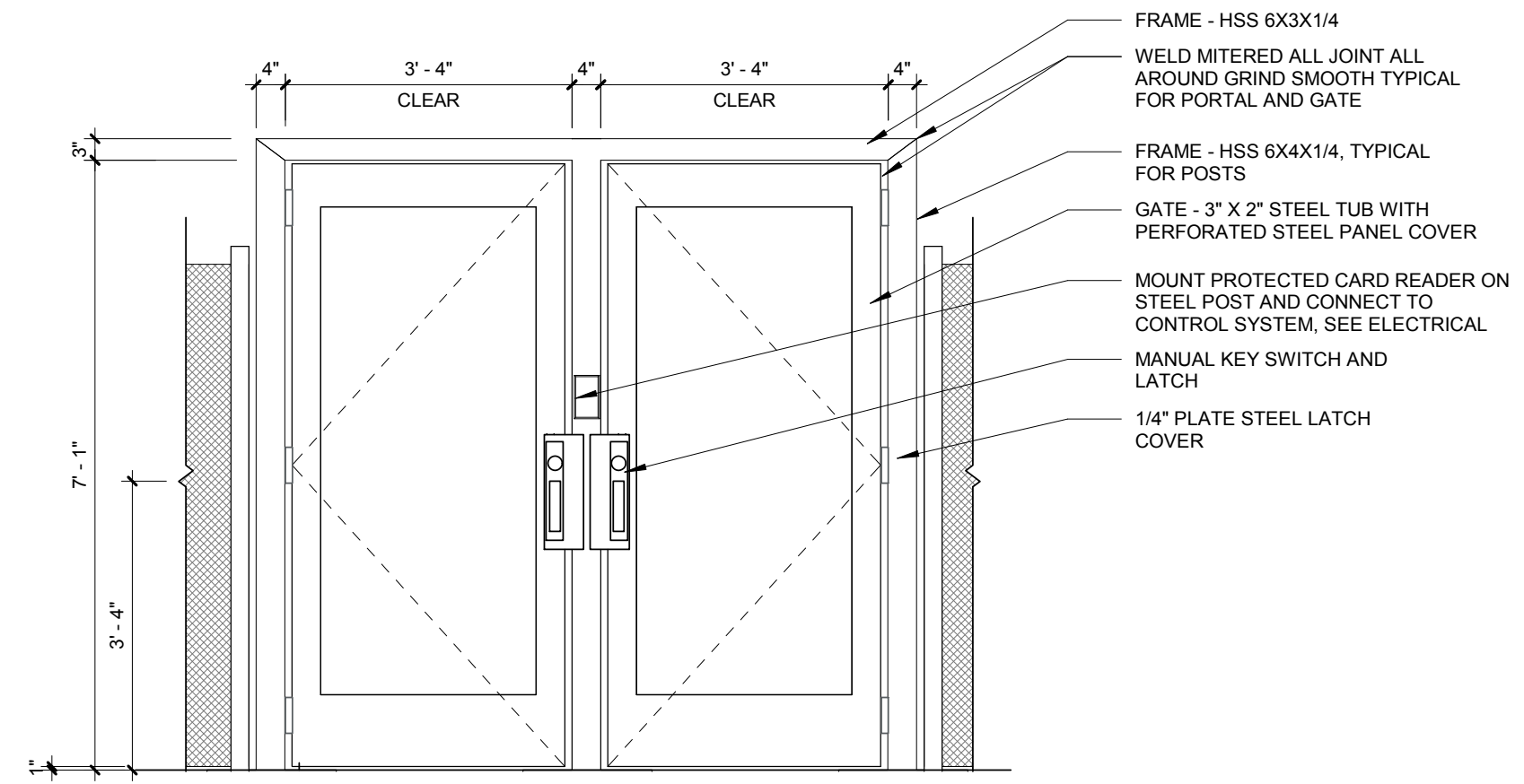
REVISIONS:
DESCRP. DATE

ISSUE DATE: 03.15.23

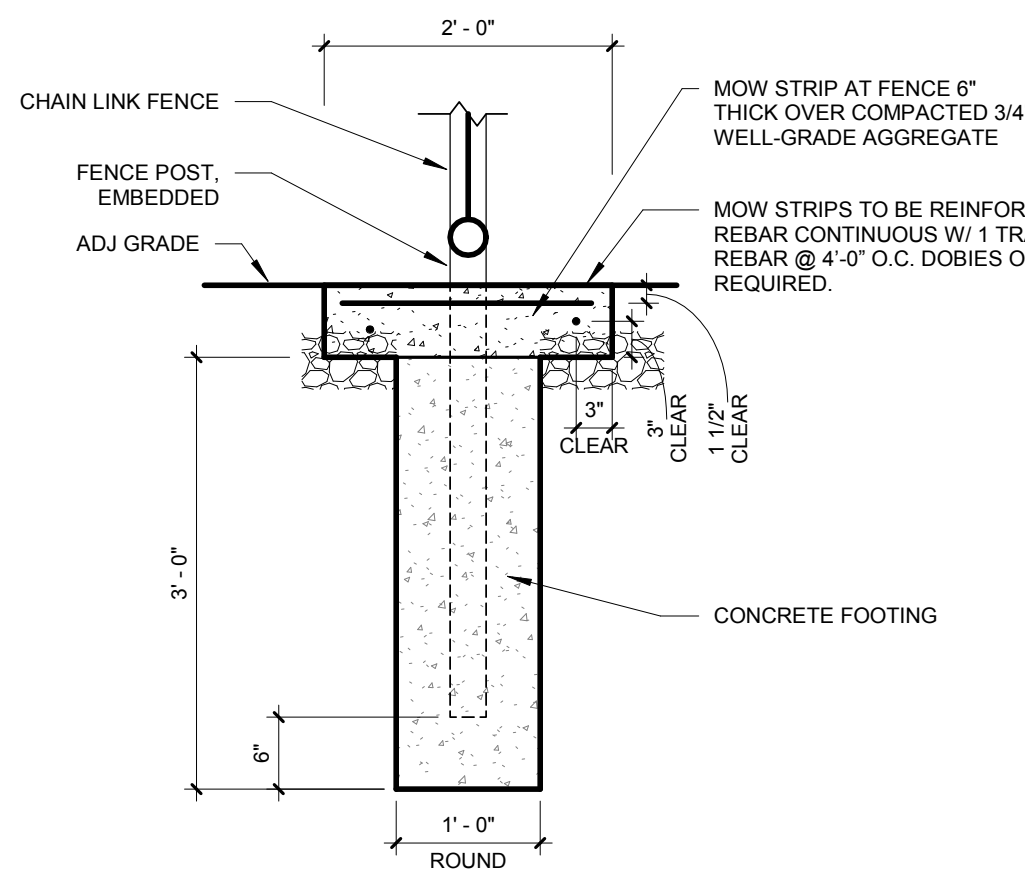
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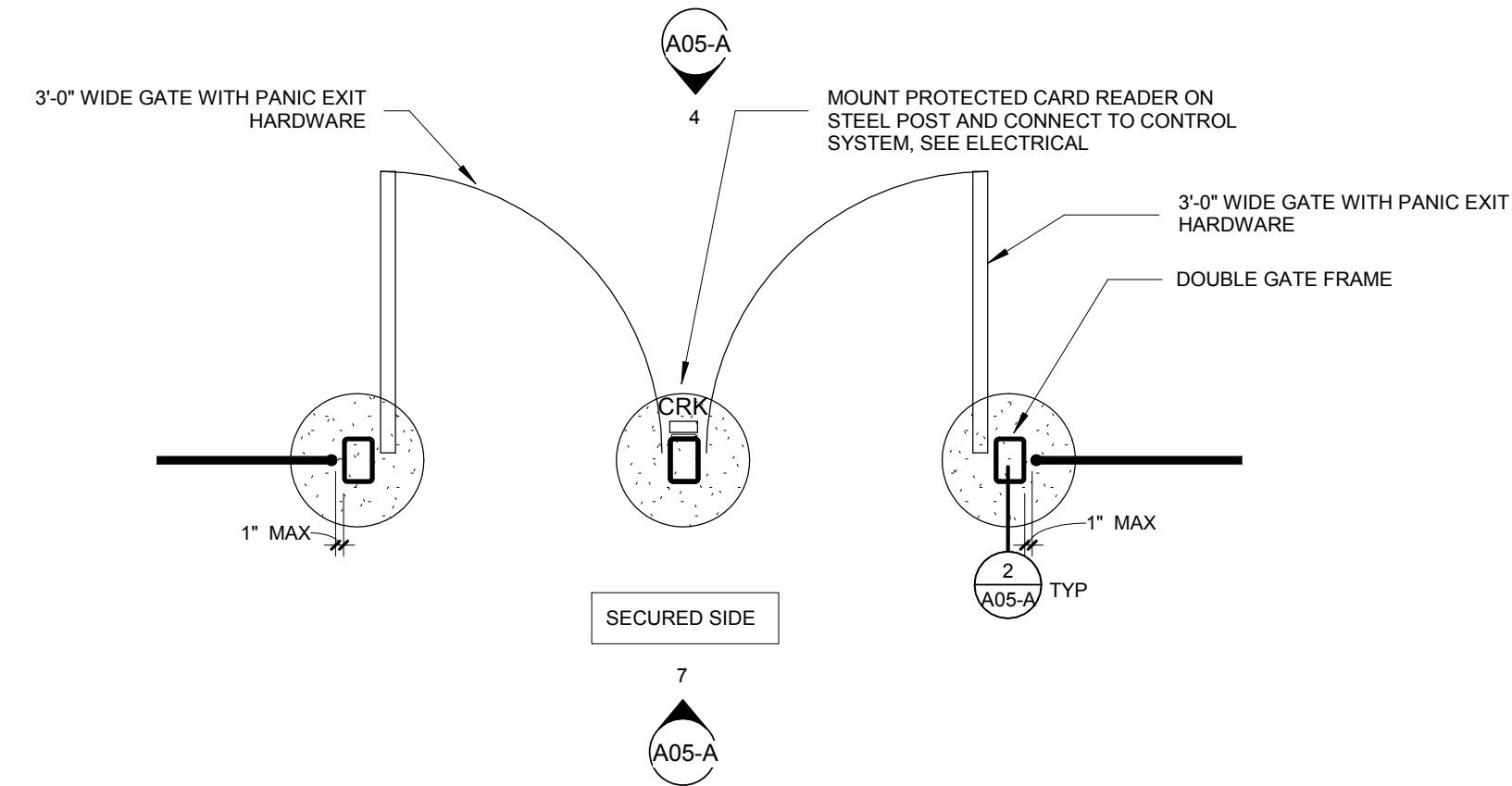
7 DOUBLE GATE SECURED SIDE ELEVATION
1/2" = 1'-0"



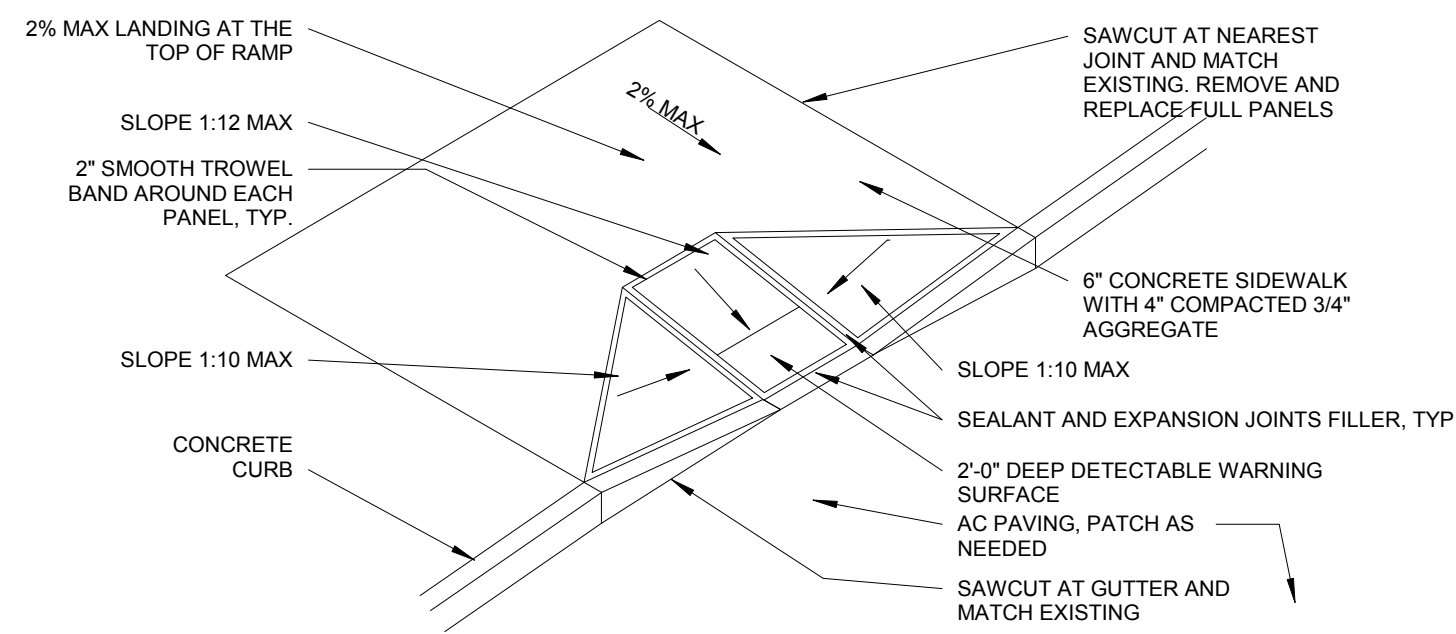
4 DOUBLE GATE NON-SECURED SIDE ELEVATION
1/2" = 1'-0"



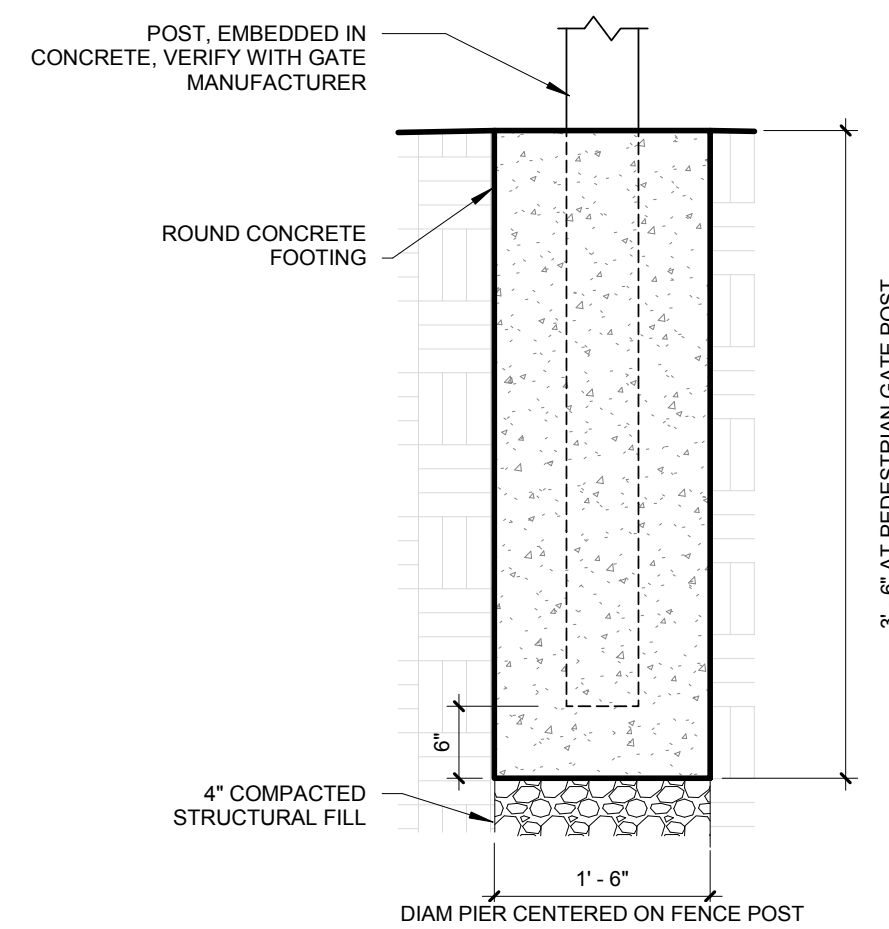
6 TYPICAL FENCE POST
3/4" = 1'-0"



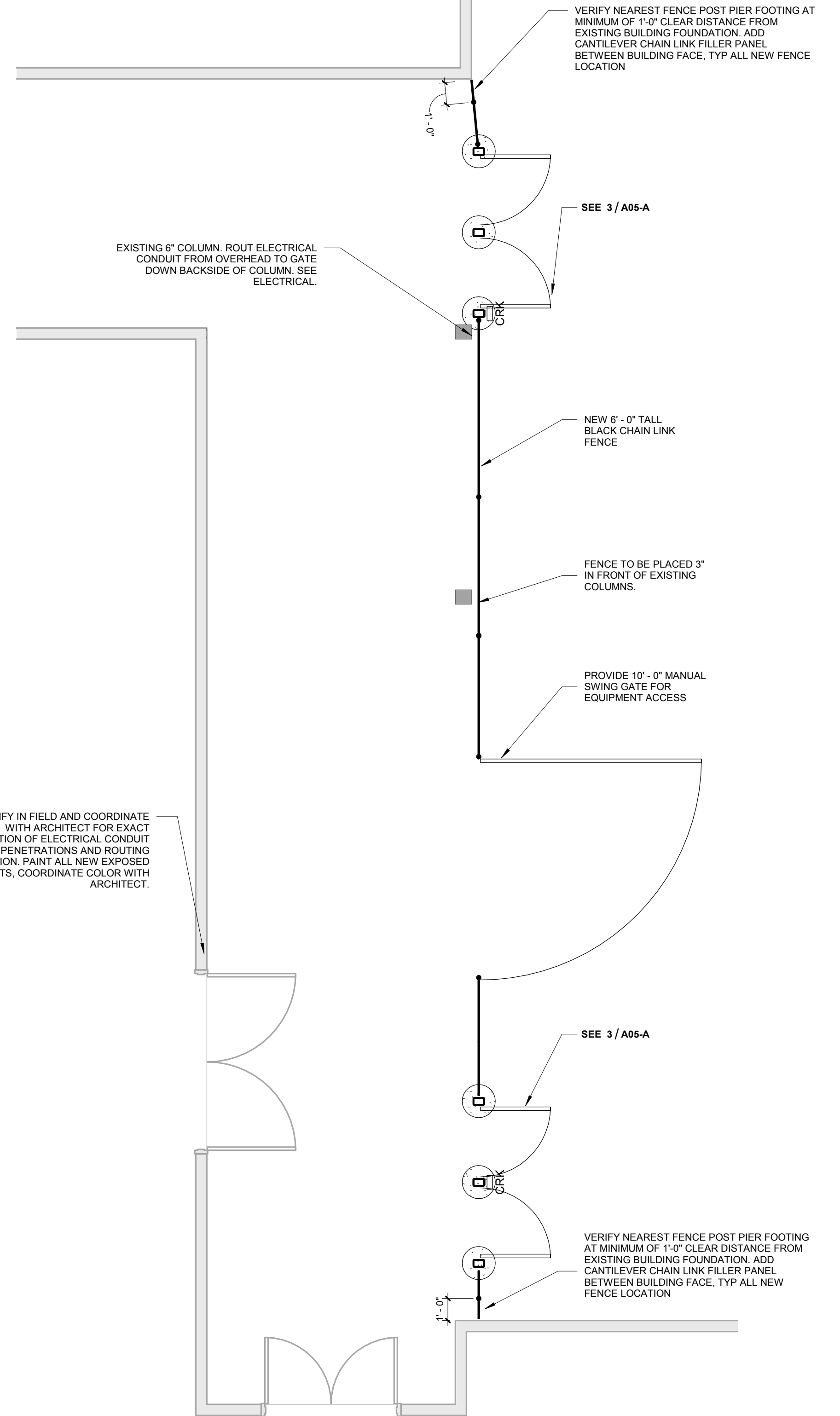
3 DOUBLE GATE PLAN
1/2" = 1'-0"



8 CURB RAMP
3/16" = 1'-0"



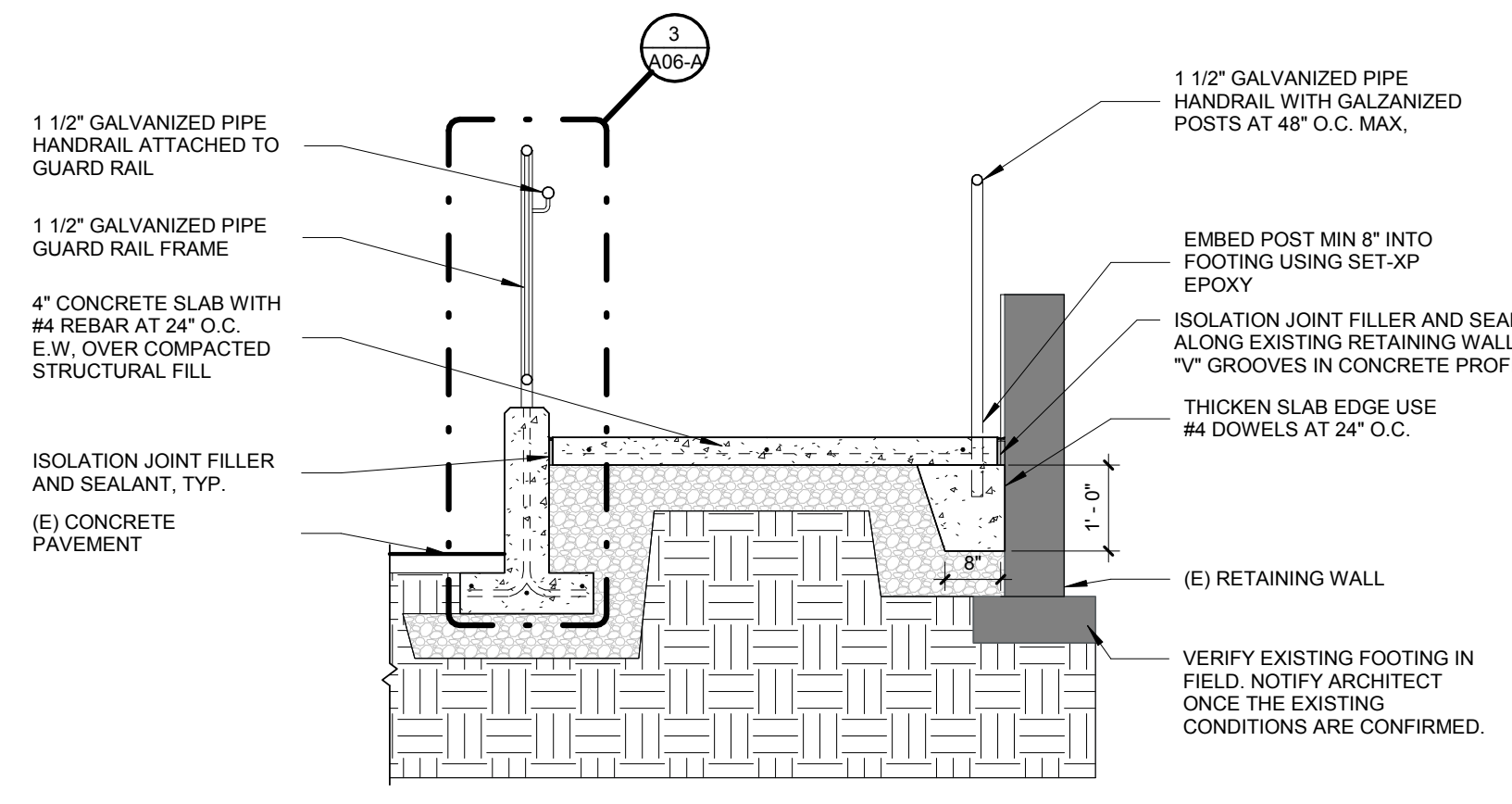
2 FOOTING AT VEHICULAR / PEDESTRIAN GATE POST
3/4" = 1'-0"



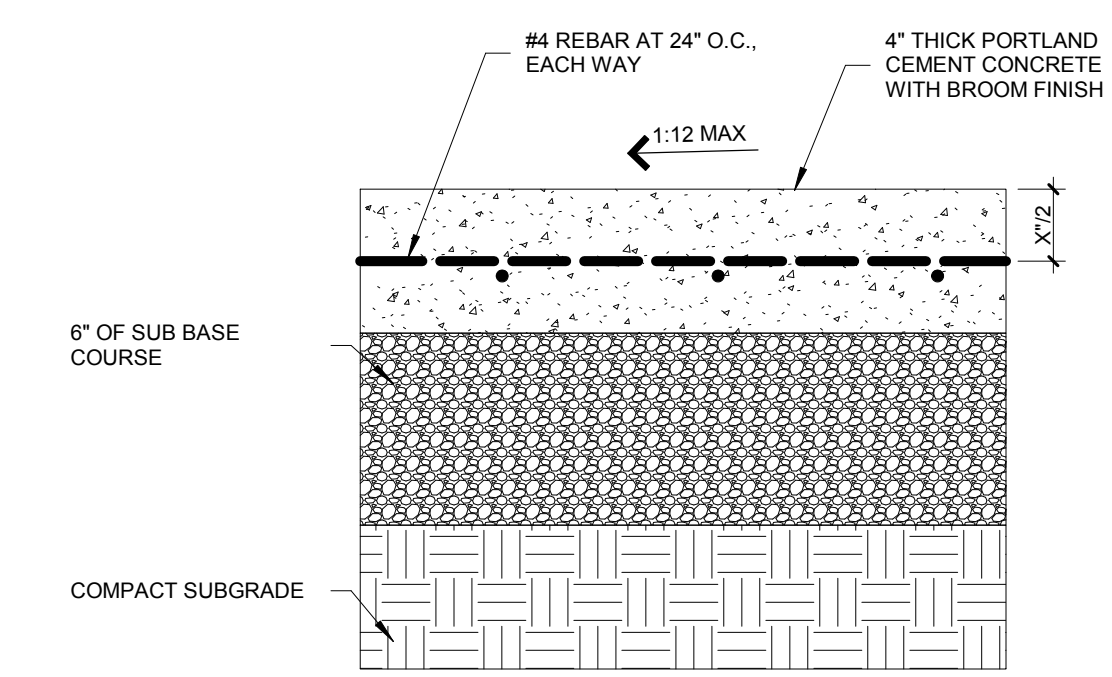
1 PERSONAL DOUBLE GATES AT MECHANICAL PLAN
1/4" = 1'-0"

GENERAL NOTES

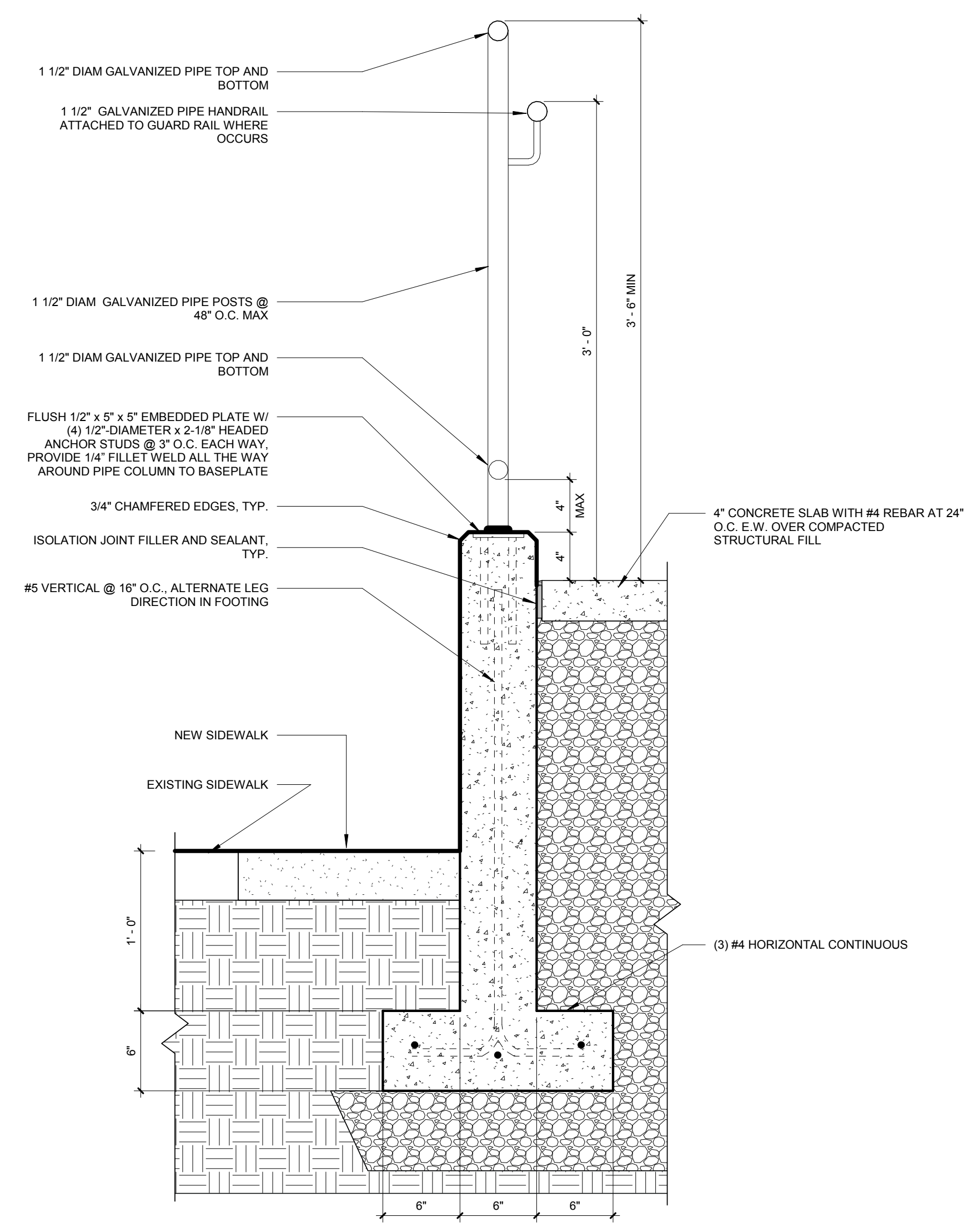
VERIFY EXISTING FOOTING IN FIELD. ALERT ARCHITECT ONCE THE EXISTING CONDITIONS ARE CONFIRMED.



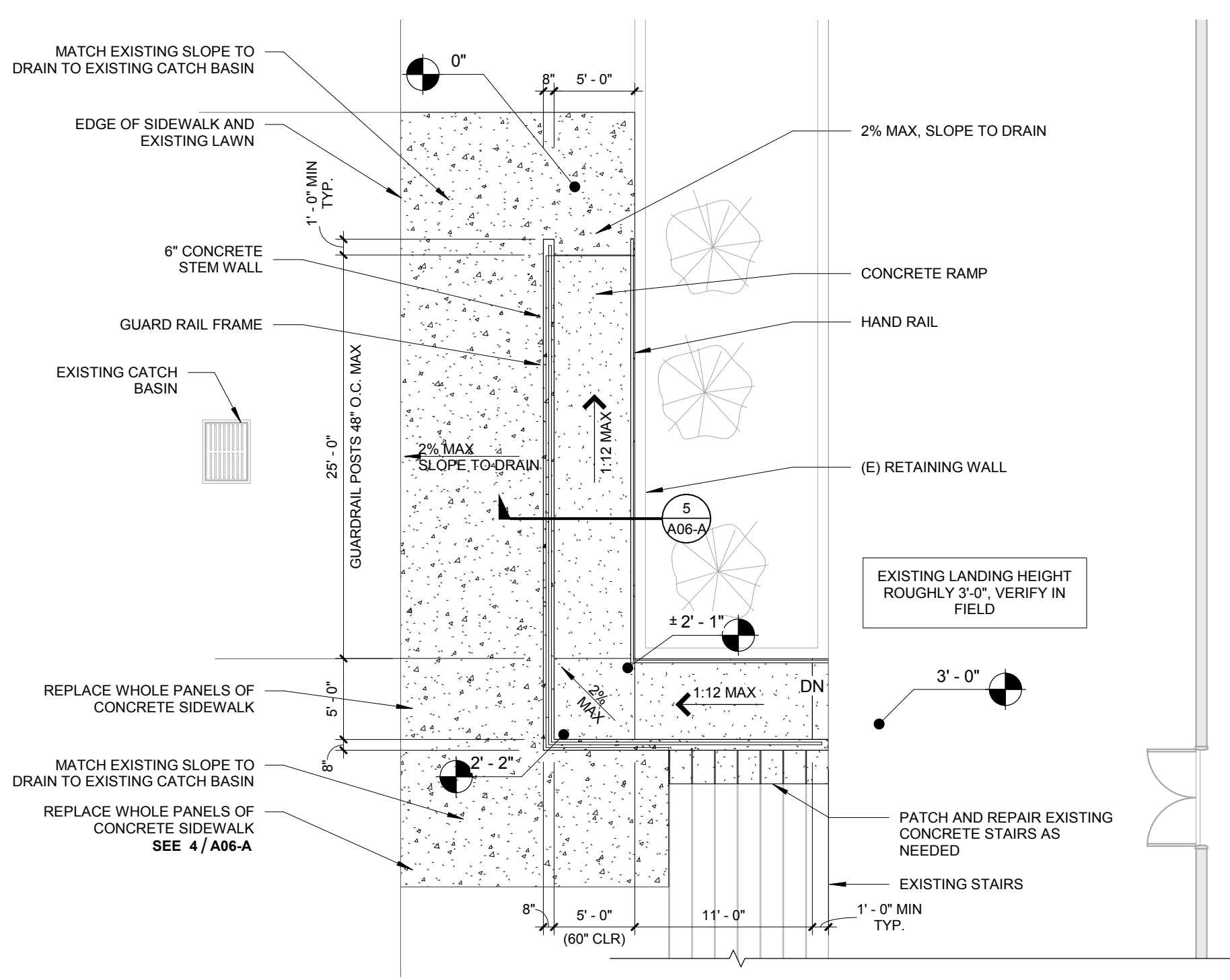
5 RAMP CROSS SECTION
1/2" = 1'-0"



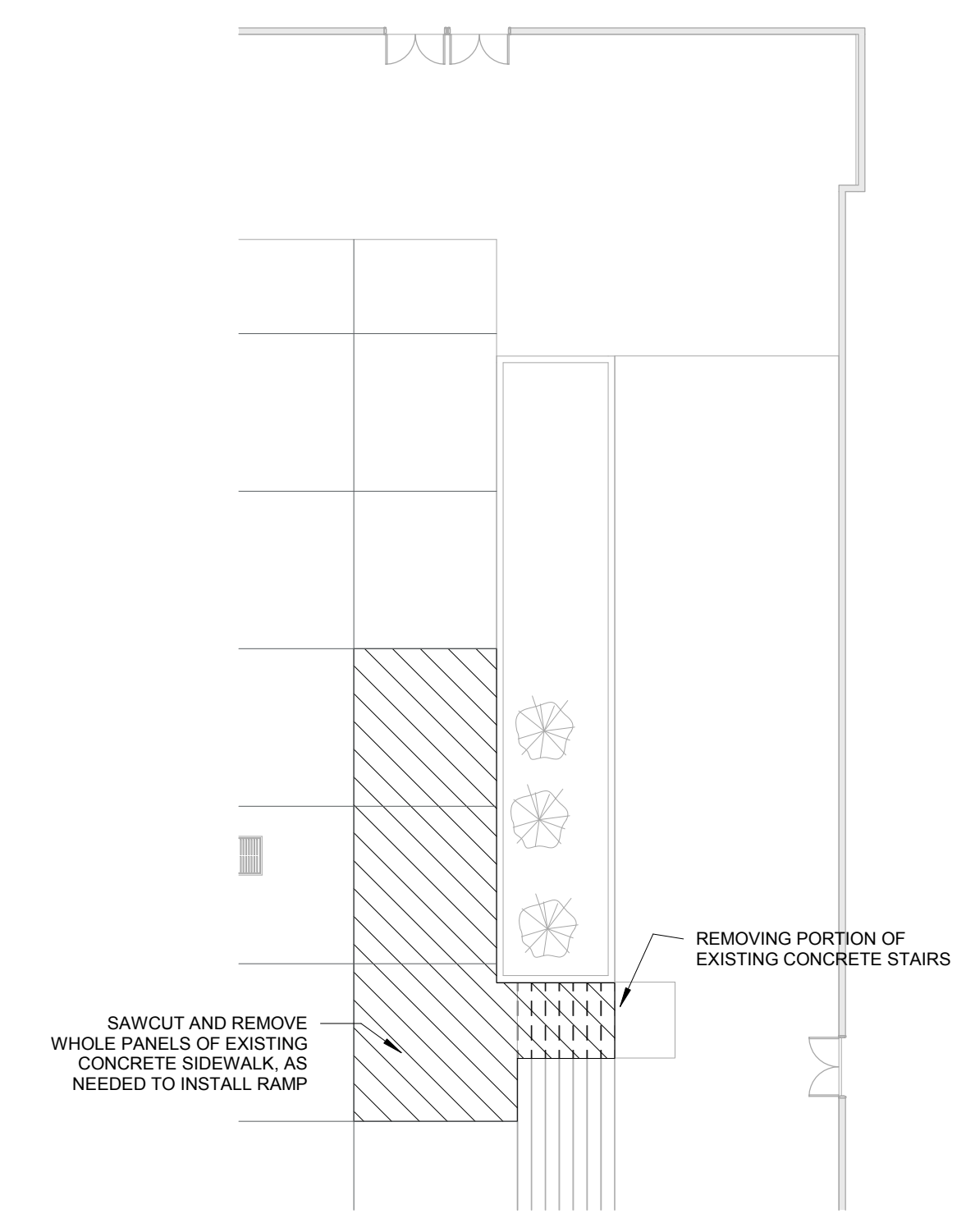
4 CONCRETE SIDEWALK
1 1/2" = 1'-0"



3 TYPICAL GUARDRAIL
1 1/2" = 1'-0"



2 RAMP PLAN
1/8" = 1'-0"



1 RAMP PLAN - DEMOLITION
1/16" = 1'-0"

INSTALLATION NOTES - ELECTRICAL

- 1. BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BID.
2. MOUNT SURFACE RACEWAYS USING MECHANICAL MOUNTING SYSTEMS AND FASTENERS. MOUNTING THROUGH THE USE OF ADHESIVE IS NOT PERMISSIBLE.
3. INCREASE CONDUCTOR SIZES ON 20A 120V-1 PHASE CIRCUITS EXCEEDING 100 FEET TO CENTER OF LOAD TO ACCOUNT FOR VOLTAGE DROP.
4. RACEWAYS AND BOXES ARE SHOWN DIAGRAMMATICALLY ONLY AND INDICATE GENERAL AND APPROXIMATE LOCATIONS. LAYOUTS DO NOT ALWAYS SHOW THE TOTAL NUMBER OF RACEWAYS OR BOXES FOR THE CIRCUITS REQUIRED, NOR ARE THE LOCATIONS OF INDICATED RUNS INTENDED TO SHOW THE ACTUAL ROUTING OF THE RACEWAYS.
5. LIGHT FIXTURES, SWITCHES, DEVICES, ETC. ARE SHOWN IN PREFERRED LOCATION. MODIFY CONDUIT, HANGERS, CIRCUITING, ETC. TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
6. PROVIDE A DEDICATED GREEN INSULATED GROUND CONDUCTOR TO ALL DEVICES. DO NOT USE CONDUIT SYSTEM AS THE ONLY EQUIPMENT GROUNDING METHOD.
7. DO NOT INSTALL BOXES BACK-TO-BACK ON OPPOSITE SIDES OF THE SAME WALL. MAINTAIN MINIMUM OF 8" DISTANCE BETWEEN BOXES WHEREVER APPLICABLE.
8. BALANCE PANEL LOADS DURING INSTALLATION. CIRCUIT NUMBERING SHOWN ON PLANS MAY BE ADJUSTED TO ACCOMODATE.
9. PROVIDE TYPED PANEL DIRECTORY AT PROJECT COMPLETION FOR NEW PANELS AND EXISTING PANELS WITH CIRCUITS MODIFIED AS A RESULT OF THIS PROJECT. USE OWNER'S CURRENT ROOM NUMBERS AND EQUIPMENT NAMES.
10. CONTRACTOR IS RESPONSIBLE FOR OPENINGS IN WALLS, FLOORS, CEILINGS, AND ROOFS THAT ARE REQUIRED TO COMPLETE THEIR SCOPE OF WORK. SEAL PENETRATIONS IN ACCORDANCE WITH THE RATING OF THE AFFECTED ASSEMBLY. REFER TO ARCHITECTURAL CODE PLAN FOR RATED WALLS, FLOORS, AND CEILINGS.

DEVICE INSTALLATION AND MATERIALS - ELECTRICAL

- 1. PROVIDE NORMAL WIRING DEVICES AS WHITE / ALMOND / GRAY / BLACK UNLESS OTHERWISE NOTED.
2. PROVIDE DEVICES COVER PLATES AS PLASTIC / STAINLESS STEEL. MATCH WIRING DEVICES COLOR.
3. PROVIDE GFCI TYPE RECEPTACLES AT ALL LOCATIONS REQUIRED BY THE NEC.
4. INSTALL WALL MOUNTED RECEPTACLES AT +18" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
5. INSTALL WALL MOUNTED LIGHT SWITCHES AT +46" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. EXCEPTION: INSTALL DEVICES ABOVE AN OBSTRUCTED HIGH FORWARD REACH OBSTACLE GREATER THEN 20 INCHES IN DEPTH AT +42".
6. INSTALL ABOVE COUNTERTOP RECEPTACLES +8" ABOVE COUNTERTOP OR AS OTHERWISE INDICATED.
7. AT A COMMON COUNTERTOP, INSTALL ALL RECEPTACLES AND SWITCHES AT THE SAME HEIGHT UNLESS OTHERWISE SPECIFICALLY INDICATED.

INSTALLATION NOTES - LIGHTING

- 1. UNLESS NOTED OTHERWISE, CONNECT ALL EMERGENCY BATTERY FIXTURES WITH AN UN-SWITCHED LEG OF THE LIGHTING CIRCUIT THAT SERVES THE FIXTURES SPACE. MAINTAIN NORMAL SWITCHING SCHEME OF EMERGENCY FIXTURES UNDER NORMAL OPERATION. INSTALL PER EMERGENCY FIXTURE OR TRANSFER DEVICE INSTRUCTIONS.
2. VERIFY CEILING TYPE (IE. GRID, GYP) WITH ARCHITECTURAL REFLECTED CEILING PLANS PRIOR TO RELEASE OF LIGHTING FIXTURE EQUIPMENT PACKAGE. ADJUST FIXTURE TYPE, CONSTRUCTION, FLANGE, OR OTHER COORDINATION DETAILS AS REQUIRED FOR CEILING TYPE.
3. LIGHTING CONTROLS SENSORS ARE SHOWN ON PLANS AT SUGGESTED LOCATIONS ONLY. VERIFY LOCATIONS WITH MANUFACTURER GUIDELINES AND INSTALLATION RECOMMENDATIONS. ADJUST LOCATIONS AS REQUIRED TO MEET MANUFACTURER GUIDELINES.
4. PROVIDE LIGHTING CONTROLS AS A COMPLETE SYSTEM AND INCLUDE MATERIAL AND INSTALLATION FOR ALL POWER PACKS, ACCESSORIES, CONTROLLERS, AND WIRING REQUIRED FOR OPERATION.

BUILDING EQUIPMENT COORDINATION NOTES - ELECTRICAL

- 1. REFER TO EQUIPMENT CONNECTION SCHEDULE FOR COORDINATION DETAILS BETWEEN MECHANICAL AND ELECTRICAL SYSTEMS.
2. PROVIDE AND INSTALL ELECTRICAL SYSTEMS UNDER THIS CONTRACT MEETING THE REQUIREMENTS OF THE SPECIFIED MECHANICAL, FIRE PROTECTION, AND PLUMBING SYSTEMS. REFERENCE THE ENTIRE PROJECT DOCUMENTS, MANUALS, SCHEDULES, DETAILS, AND NOTES.
3. PROVIDE ELECTRICAL CONNECTIONS AND ACCESSORIES INCLUDING STARTERS, DISCONNECTS, CONTROL WIRING, ETC. AS REQUIRED FOR THE BUILDING MECHANICAL EQUIPMENT. INFORMATION HEREIN AND ON THE DRAWINGS IS FOR GENERAL DESCRIPTION AND ESTIMATING PURPOSES ONLY. VERIFY VOLTAGE, AMPERAGE, PHASE, INRUSH, ETC. FOR EACH ITEM OF EQUIPMENT BEFORE PROCEEDING WITH INSTALLATION. INSTALL EQUIPMENT PER WIRING DETAILS AND INSTRUCTIONS FURNISHED BY THE SUPPLIERS OF THE EQUIPMENT TO PROVIDE PROPER OPERATION.
4. REVIEW MECHANICAL EQUIPMENT SHOP DRAWINGS FOR COMPLIANCE AND COORDINATION WITH ELECTRICAL CONNECTIONS. NOTIFY ENGINEER IF CHANGES TO ELECTRICAL CONNECTIONS, WIRING, AND BREAKER REQUIREMENTS ARE NECESSARY TO ACCOMMODATE EQUIPMENT BEING SUPPLIED.
a. DO NOT RELEASE ELECTRICAL DISTRIBUTION EQUIPMENT UNTIL ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL INFRASTRUCTURE HAS BEEN SUBMITTED AND APPROVED. MAKE COORDINATION ADJUSTMENTS TO BREAKER SIZES AND SIMILAR CHANGES TO ELECTRICAL EQUIPMENT PRIOR TO SUBMITTAL RELEASE. COORDINATE SCHEDULING OF SHOP DRAWINGS WITH ALL TRADES.
PROVIDE DISCONNECTS RATED FOR EQUIPMENT AS REQUIRED AND AS INDICATED WITHIN EQUIPMENT CONNECTION SCHEDULE. COORDINATE DISCONNECT MOUNTING TO ALLOW EQUIPMENT REMOVAL WITHOUT DISCONNECT REMOVAL AND TO MINIMIZE WIRING WORK REQUIRED.
6. PROVIDE HEAVY DUTY TYPE DISCONNECTS RATED FOR THE INSTALLED ENVIRONMENT. PROVIDE MINIMUM NEMA 3R RATED DISCONNECTS FOR EXTERIOR INSTALLATIONS OR AS NOTED.
7. VERIFY LOCATIONS OF ALL EQUIPMENT. REFER TO MECHANICAL, PLUMBING, AND ARCHITECTURAL DRAWINGS AND COORDINATE WITH THE ASSOCIATED SUB-CONTRACTOR. ADJUST ELECTRICAL INSTALLATION AS REQUIRED.

INSTALLATION NOTES - SYSTEMS

- 1. REFER TO TECHNOLOGY SERIES SHEETS FOR ROUGH-IN REQUIREMENTS.
2. REFER TO ELECTRICAL/TECHNOLOGY SCOPE OF RESPONSIBILITY MATRIX.

ELECTRICAL ABBREVIATIONS

Table with 4 columns: Abbreviation, Description, Abbreviation, Description. Includes entries like A (DEVICE MOUNTED +8" ABOVE COUNTER TOP), AFF (ABOVE FINISHED FLOOR), ATC (AUTOMATIC TRANSFER SWITCH), etc.

GENERAL NOTES - ELECTRICAL

- 1. COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. BEGIN INSTALLATION AND ROUGH-IN ONLY AFTER PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION IS COMPLETE. COORDINATE WITH BUILDING STRUCTURE, ARCHITECTURE, MECHANICAL SHEET METAL, ALL PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, EQUIPMENT ACCESS/CLEARANCE, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR REWORK OF INSTALLED EQUIPMENT RESULTING FROM INSUFFICIENT COORDINATION.
2. ELECTRICAL DRAWINGS ARE ONLY A PORTION OF THE COMPLETE SET OF PLANS AND CONTRACT DOCUMENTS. THE ELECTRICAL SCOPE OF WORK IS DEFINED BY THE COMPLETE SET OF CONTRACT DOCUMENTS. THIS INCLUDES BUT IS NOT LIMITED TO REFERENCING; ARCHITECTURAL PLANS FOR DIMENSIONS AND DETAILS; EQUIPMENT PLANS FOR ROUGH-IN REQUIREMENTS, MECHANICAL PLANS FOR EQUIPMENT SIZES AND LOCATIONS.

CODE NOTES - ELECTRICAL

- 1. PROVIDE ELECTRICAL INSTALLATION IN ACCORDANCE WITH ALL LOCAL, STATE, AND NATIONAL CODES.
2. THE CURRENT ADOPTED EDITION OF THE ELECTRICAL CODE IS THE STANDARD FOR THE ELECTRICAL INSTALLATION. VERIFY WITH LOCAL OFFICIALS WHEN PERMITS ARE OBTAINED. NOTIFY DESIGN TEAM OF ANY DISCREPANCIES BETWEEN THE PROJECT MANUAL OR DRAWINGS AND THE GOVERNING CODE.
3. INSTALLATION SHALL FOLLOW REQUIREMENTS OF THE ADAAG - AMERICANS WITH DISABILITIES ACT.
4. REFER TO PROJECT MANUAL AND PROJECT CODE REVIEW SHEET FOR LIST OF APPLICABLE CODES.

DEMOLITION AND RENOVATION NOTES - ELECTRICAL

- 1. ELECTRICAL DEMOLITION DRAWINGS SHOWING EXISTING CONDITIONS HAVE BEEN PREPARED BASED ON FIELD OBSERVATION AND ORIGINAL DRAWINGS. FIELD VERIFY EXISTING CONDITIONS BEFORE WORK BEGINS. ADDITIONAL COMPONENTS MAY EXIST WHICH ARE NOT SHOWN. BECOME FAMILIAR WITH EXISTING ELECTRICAL SYSTEM WHICH WILL BE AFFECTED BY THE DEMOLITION WORK.
2. PROVIDE EQUIPMENT, LABOR, AND MATERIALS TO REMOVE ELECTRICAL FACILITIES AND CLEAR THE AREA TO RECEIVE THE NEW WORK PROVIDED UNDER THIS CONTRACT.
3. IN OCCUPIED AREAS BEYOND THE DEMOLITION SCOPE, KEEP EXISTING SYSTEMS NOT AFFECTED BY PROJECT SCOPE OPERATIONAL THROUGH THE DURATION OF THE PROJECT. OBTAIN PERMISSION FROM OWNER'S REPRESENTATIVE TO SHUT OFF SERVICES OR SYSTEMS WHICH MAY AFFECT OTHER AREAS BEYOND THE LIMITS OF THE DEMOLITION AREA. INFORM OWNER'S REPRESENTATIVE OF THE REASON FOR AND DURATION OF THE SHUTDOWN AND ENSURE THAT THE SHUTDOWN IS MADE WITH AS LITTLE INCONVENIENCE TO OTHER AREAS AS POSSIBLE.
4. REMOVE CONDUITS, BOXES, ETC., AS REQUIRED BY WALL, CEILING, AND ADJACENT COMPONENTS DEMOLITION. REMOVE EXISTING WIRE UNLESS OTHERWISE NOTED.
5. INSTALL NEW CONDUCTORS FOR NEW CIRCUITS IN REMODELED AREAS UNLESS SPECIFICALLY NOTED OTHERWISE. RETAIN EXISTING CONDUITS IN GOOD CONDITION WHERE APPROVED BY ENGINEER OR AS INDICATED.
6. IDENTIFY DISCONNECTED BRANCH CIRCUIT LOCATION OR ITEM SERVED BEFORE DISCONNECTION. UPDATE PANEL/EQUIPMENT DIRECTORY ACCORDINGLY.
7. MAINTAIN CIRCUITS SERVING AREAS BEYOND THE DEMOLITION AREA. EXTEND NEW WIRING AND BYPASS DEMOLISHED DEVICES TO MAINTAIN EXISTING CIRCUITS.
8. KEEP EXISTING SYSTEMS OPERATIONAL DURING ALL PHASES OF CONSTRUCTION. DO NOT CUT EXISTING TELECOMMUNICATION WIRING, CABLES OR CONDUIT. CONTRACTORS WHO CUT IN-SERVICE CABLES ARE RESPONSIBLE FOR ALL DOWNTIME AND COSTS TO REPAIR.
9. INSTALL BLANK COVER PLATES OVER OPENING AT REMOVED DEVICE LOCATIONS. THIS INCLUDES BUT IS NOT LIMITED TO, CLOCKS, RECEPTACLES, SWITCHES, JUNCTION BOXES, ETC.
10. PROVIDE CUTTING AND PATCHING OF EXISTING MATERIALS AS REQUIRED FOR THE PROPER COMPLETION OF THE DEMOLITION WORK AND THE INSTALLATION OF THE NEW WORK.
11. MAINTAIN FULL FUNCTIONAL AND AESTHETIC INTEGRITY OF DEVICES IDENTIFIED TO BE REMOVED AND RELOCATED, AND HANDLE WITH APPROPRIATE CARE TO ALLOW FOR REINSTALLATION. REPLACE DEVICES DAMAGED DURING DEMOLITION WITH NEW AT CONTRACTOR'S EXPENSE.
12. EQUIPMENT AND SYSTEM THAT ARE REMOVED REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE NOTED. DISPOSE OF ALL MATERIALS NOT SALVAGED BY THE OWNER.
13. REMOVE AND REINSTALL CEILING TILES REQUIRED FOR THE WORK BEING DONE UNDER THIS CONTRACT. REPLACE CEILING TILES DAMAGED DURING CONSTRUCTION TO MATCH EXISTING.

PROJECT DELIVERY NOTES - ELECTRICAL

- 1. THE DELIVERY METHOD FOR THIS PROJECT IS INDIVIDUAL SUB-CONTRACTS TO ONE GENERAL CONTRACTOR. THIS CONTRACTOR IS RESPONSIBLE FOR MEETING WITH ALL SUB-CONTRACTORS TO COORDINATE LOCATIONS AND INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. REWORK OF INSTALLED EQUIPMENT WILL BE AT CONTRACTORS EXPENSE.

LIGHTING SYMBOLS

Table of lighting symbols and their descriptions. Includes symbols for recessed light fixture, round light fixture, square light fixture, pendant mounted light fixture, round aperture recessed downlight fixture, square aperture recessed downlight fixture, surface mounted strip fixture, linear pendant mounted fixture, industrial strip light fixture, wall mounted strip light fixture, cove light fixture, continuous wall mounted fixture, track lighting, emergency light fixture, exit sign, combination exit sign & emergency light, exterior light fixture, interior light fixture, exterior pole mounted light fixture, bollard light fixture, exterior flood light fixture, emergency remote head light fixture, ceiling fan, single pole switch, three way switch, pilot light switch, dimmer switch, lighting controls low voltage switch, occupancy sensor, daylighting sensor, emergency transfer device, lighting contactor, relay, photocell, roomzone controller.

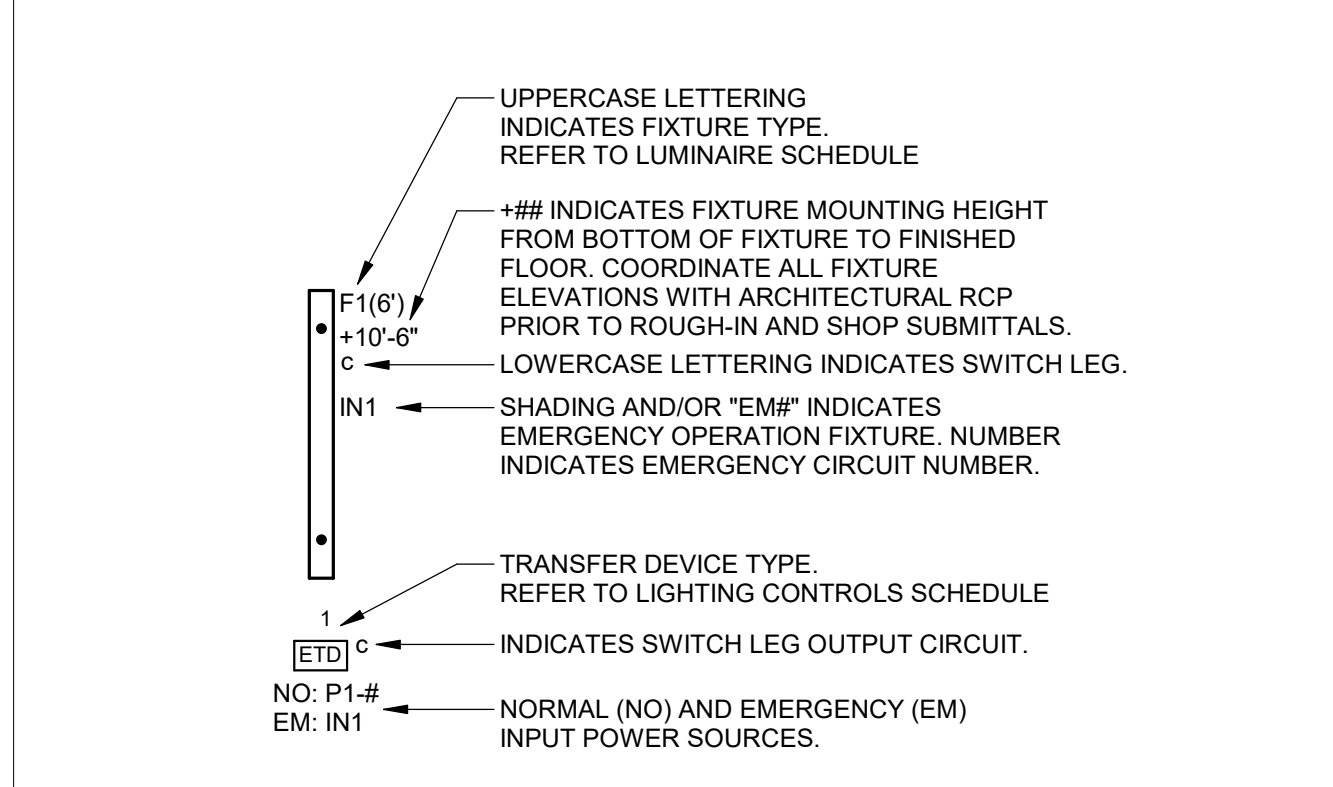
GENERAL SYMBOLS

Table of general symbols and their descriptions. Includes symbols for conduit sleeve, conduit up/down, junction box, circuit homerun, kitchen equipment tag number, keynote, equipment identification tag, detail drawing reference tag, section cut reference tag, interior elevation drawing reference tag.

POWER SYMBOLS

Table of power symbols and their descriptions. Includes symbols for duplex receptacle, quadruplex receptacle, quadruplex GFCI receptacle, special receptacle, equipment connection, door push button, power/data pole, panelboard - surface mounted, panelboard - recessed in wall.

LIGHTING PLANS NOTATION KEY



NOTE: ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT



CONSTRUCTION DRAWING SET
4J SECURITY IMPROVEMENTS
PROJECT #: 2207
EUGENE SCHOOL DISTRICT 4J

SHEET TITLE: ELECTRICAL GENERAL NOTES & SYMBOLS
REVISIONS: # DESCRP. DATE

ISSUE DATE: 03.15.23

TELECOMMUNICATIONS DISTRIBUTION NOTES

- A. PROVIDE PENETRATIONS AND PATHWAYS AS REQUIRED TO ROUTE ALL CABLING INFRASTRUCTURE ILLUSTRATED IN THE DRAWINGS. TREAT EACH NEW PENETRATION AS A 1-HOUR FIRE RATED WALL UNLESS OTHERWISE NOTED. PROVIDE REQUIRED FIRE STOPPING TO MAINTAIN THIS RATING.
B. REAM CONDUIT TO REMOVE BURRS AND ROUGH EDGES. PROVIDE A PROTECTIVE BUSHING AT THE END OF ANY CONDUIT STUB TO PROTECT CABLING INFRASTRUCTURE.
C. PROVIDE CABLE SUPPORT FOR ROUTING ALL NEW INFRASTRUCTURE. INSIDE OF ABOVE ACCESSIBLE CEILING SPACES, CABLING CAN BE FLOWN FREE-AIR UTILIZING J-HOOKS AND OTHER ACCESSORIES TO SUPPORT CABLING. CABLE SHALL NOT BE ALLOWED TO REST ON TOP OF CEILING TILES OR TO UTILIZE GRID SUPPORT SYSTEM.
D. ALL OPEN CEILING AREAS SHALL HAVE CABLING CONCEALED IN CONDUIT. EXPOSED CABLING SHALL NOT BE ACCEPTED.
E. ROUTE CONDUIT SERVING WORK AREA OUTLET DATA DIRECTLY TO THE CABLE TRAY (WHERE APPLICABLE). CONDUIT STUB SHALL BE DIRECTLY OVERHEAD OF THE TRAY TO ALLOW FOR CONVENIENT FUTURE MOVE, ADDS OR CHANGES.
F. THE FINAL ROUTING IS AT THE DISCRETION OF THE INSTALLING CONTRACTOR. THE CONTRACTOR IS ENCOURAGED TO INVESTIGATE EXISTING BUILDING CONDITIONS AND UTILIZE ABOVE ACCESSIBLE CEILING, SOFFIT AND BELOW CRAWL SPACES WHERE AVAILABLE TO ROUTE NEW TECHNOLOGY INFRASTRUCTURE.
a. EXPOSED PATHWAYS IN PUBLIC SPACES MUST BE APPROVED BY THE ARCHITECT OR ENGINEER PRIOR TO INSTALLATION.

FIRE DETECTION & ALARM NOTES

- A. EXTEND THE EXISTING FIRE DETECTION AND ALARM SYSTEM TO LOCATIONS ILLUSTRATED ON THE DRAWINGS.
B. FIRE ALARM ITEMS AND DEVICES ARE SHOWN IN SUGGESTED LOCATIONS. FINAL LAYOUTS, LOCATIONS, AND QUANTITIES SHALL BE IN ACCORDANCE WITH APPLICABLE CODES, MANUFACTURER'S RECOMMENDATIONS, AND EQUIPMENT LISTINGS. COORDINATE LOCATIONS WITH LIGHTING AND AIR HANDLING SYSTEMS.
C. ALL FIRE ALARM CIRCUITRY IN EXPOSED CEILING SPACES SHALL BE IN 3/4" CONDUIT PER SPECIFICATIONS. EXPOSED CABLING SHALL NOT BE ACCEPTED.
D. ALL CONCEALED, ACCESSIBLE CEILING TILE LOCATIONS SHALL BE ALLOWED TO HAVE OPEN AIR CABLING INSTALLED. PROVIDE J-HOOKS AND ASSOCIATED CABLE SUPPORTS TO KEEP INFRASTRUCTURE MANAGED AND OFF OF THE CEILING TILE.
E. ELECTRICAL CONTRACTOR SHALL PROVIDE FIRESTOPPING AT ALL PENETRATIONS PER SPECIFICATION.

TECHNOLOGY GENERAL NOTES

- A. NOTES APPLY TO ALL DIVISION 27 AND 28 SCOPE OF WORK ON "E" SERIES SHEETS.
B. COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. BEGIN INSTALLATION AND ROUGH-IN ONLY AFTER PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION IS COMPLETE. COORDINATE WITH BUILDING STRUCTURE, ARCHITECTURE, MECHANICAL SHEET METAL, ALL PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, EQUIPMENT ACCESS/CLEARANCE, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR REWORK OF INSTALLED EQUIPMENT RESULTING FROM INSUFFICIENT COORDINATION.
C. INCORPORATE THE REQUIREMENTS OF THE SPECIFICATIONS, DRAWINGS, AND STATE AND LOCAL CODES INTO THE INSTALLATION OF COMMUNICATIONS AND LIFE SAFETY/SECURITY SYSTEMS.

TECHNOLOGY PATHWAY GENERAL NOTES

- A. EACH TRADE IS RESPONSIBLE FOR MAKING PENETRATIONS WHERE REQUIRED IN EXISTING OR NEW WALLS, FLOORS, CEILINGS, AND ROOFS. MAKE PENETRATIONS NEAT. CONCEAL OR CAULK OVERCUT.
B. SECURELY FASTEN SURFACE MOUNT RACEWAY AND CONDUIT UTILIZING MECHANICAL MOUNTING SYSTEMS AND FASTENERS PER SPECIFICATIONS. THE USE OF ADHESIVES AS A MEANS OF MOUNTING IS NOT ALLOWED.
C. PROVIDE A PULL STRING IN ALL NEW CONDUITS FOR EASE OF CABLE INSTALLATION.

COMMUNICATIONS DEMOLITION NOTES

- A. EXISTING DEVICES AND DEVICE LOCATIONS WERE MADE BY CASUAL FIELD OBSERVATION. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING SYSTEM COMPONENTS AND DEVICE LOCATIONS.
B. PROVIDE LABOR AND MATERIALS TO REMOVE ELECTRICAL FACILITIES AND CLEAR THE AREA TO RECEIVE THE NEW WORK TO BE PROVIDED UNDER THIS CONTRACT.
C. SYSTEMS SCHEDULED TO BE REMOVED SHALL BE DONE SO IN THEIR ENTIRETY. ABANDONED CABLING SHALL NOT BE ACCEPTED. REMOVE ALL ASSOCIATED FIELD DEVICES AND HEAD END EQUIPMENT.
D. REMOVED EQUIPMENT AND SYSTEMS SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE NOTED. MATERIALS NOT SALVAGED BY THE OWNER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR PROPER DISPOSAL.
E. REMOVE AND REINSTALL CEILING TILE REQUIRED FOR THE WORK BEING DONE UNDER THIS CONTRACT. DAMAGED CEILING TILE SHALL BE REPLACED TO MATCH EXISTING.
F. DO NOT CUT EXISTING TELECOMMUNICATIONS WIRING, CABLES OR CONDUIT AS EXISTING SYSTEMS SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. CONTRACTOR WHO CUTS IN-SERVICE CABLES SHALL BE RESPONSIBLE FOR DOWNTIME AND THE COSTS TO REPAIR.

LIFE SAFETY & SECURITY DEMOLITION NOTES

- A. EXISTING DEVICES AND DEVICE LOCATIONS WERE MADE BY CASUAL FIELD OBSERVATION. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING SYSTEM COMPONENTS AND DEVICE LOCATIONS.
B. PROVIDE LABOR AND MATERIALS TO REMOVE ELECTRICAL FACILITIES AND CLEAR THE AREA TO RECEIVE THE NEW WORK TO BE PROVIDED UNDER THIS CONTRACT.
C. SYSTEMS SCHEDULED TO BE REMOVED SHALL BE DONE SO IN THEIR ENTIRETY. ABANDONED CABLING SHALL NOT BE ACCEPTED. REMOVE ALL ASSOCIATED FIELD DEVICES AND HEAD END EQUIPMENT.
D. REMOVED EQUIPMENT AND SYSTEMS SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE NOTED. MATERIALS NOT SALVAGED BY THE OWNER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR PROPER DISPOSAL.
E. REMOVE AND REINSTALL CEILING TILE REQUIRED FOR THE WORK BEING DONE UNDER THIS CONTRACT. DAMAGED CEILING TILE SHALL BE REPLACED TO MATCH EXISTING.
F. DO NOT CUT EXISTING TELECOMMUNICATIONS WIRING, CABLES OR CONDUIT AS EXISTING SYSTEMS SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. CONTRACTOR WHO CUTS IN-SERVICE CABLES SHALL BE RESPONSIBLE FOR DOWNTIME AND THE COSTS TO REPAIR.

ACCESS CONTROL/SECURITY MANAGEMENT NOTES

- A. EACH SITE HOSTS AN EXISTING LENEL ONGUARD ACCESS CONTROL PLATFORM. THE EXISTING PLATFORM IS TO BE EXTENDED TO ACCOMODATE THE SCHEDULED WORK. THE PROPOSED SCOPE OF WORK INCLUDES: MODIFICATION OF EXISTING ACCESS CONTROL OPENINGS, ADDITION OF NEW ACCESS CONTROL OPENINGS, AND UPGRADING THE HEAD END INTELLIGENT SYSTEM CONTROLLERS AT EACH SITE.
B. THE BIDDING CONTRACTOR IS RESPONSIBLE FOR PROGRAMMING IN COORDINATION WITH 4J SCHOOL DISTRICT.
C. DETAILS ILLUSTRATED IN THE DRAWINGS ARE DIAGRAMMATIC TO ILLUSTRATE PATHWAY, ROUGH-IN, DEVICE AND CABLING REQUIREMENTS. REVIEW SPECIFICATION SECTION 08 71 00 FOR ALL SPECIFIC ELEMENTS THAT ARE SCHEDULED AT EACH OPENING.
D. IT IS THE INTENT THAT ALL PATHWAYS AND ROUGH-IN SERVING ACCESS CONTROL SHALL BE RECESSED AND CONCEALED. EXPOSED CABLING OR SURFACE PATHWAYS ARE NOT ACCEPTABLE UNLESS APPROVED BY THE ARCHITECT OR ENGINEER.

INTRUSION DETECTION NOTES

- 1. EXTEND THE EXISTING DMP INTRUSION DETECTION SYSTEM. COORDINATE PLACING THE EXISTING PANEL IN TEST MODE WITH THE BUILDING OWNER DURING INSTALLATION.
2. THE SCOPE OF WORK INCLUDES THE ADDITION OF DOOR POSITION SWITCHES AT NEW AND MODIFIED ACCESS CONTROL OPENINGS. PROVIDE THE REQUIRED RELAYS, EXPANDER MODULES, WIRING AND OTHER ACCESSORIES REQUIRED TO ACCOMODATE THE PROPOSED WORK.
3. COORDINATE ZONING AND PROGRAMMING WITH 4J SCHOOL DISTRICT.

CABLING NOTES

- A. CATEGORY CABLING SERVING DATA AND VOICE APPLICATIONS SHALL BE TESTED TO ENSURE ALL ELECTRICAL CHARACTERISTICS ARE COMPLIANT WITH THE SPECIFIED CLASSIFICATION (6A). UTILIZE FLUKE DSX EQUIPMENT OR EQUIVALENT AND PROVIDE ELECTRONIC RESULTS DURING CLOSEOUT PROCEDURES. ANY INSTANCE OF CABLING FAILING THE PERFORMANCE TEST SHALL BE RECTIFIED BY THE CONTRACTOR THROUGH RE-TERMINATION OR RUNNING NEW CABLING AT NO COST TO THE OWNER.
B. PROVIDE A CERTIFIED INSTALLATION BY THE MANUFACTURER. ENSURE THE WARRANTY IS PROVIDED AS THE SPECIFICATIONS REQUIRE.
C. WILD RETURN AIR IS EXPECTED IN THE PLENUM SPACES OF THIS PROJECT. THEREFORE, PROVIDE PLENUM RATED CABLING FOR ALL FLOWN INFRASTRUCTURE IN THE ABOVE ACCESSIBLE CEILING SPACES.

TECHNOLOGY RESPONSIBILITY MATRIX table with columns for OFOI, OFCI, CFCI, CFOI and rows for COMMUNICATIONS - TELECOM SYSTEMS, AUDIO-VISUAL SYSTEMS, and SECURITY - ACCESS CONTROL, INTRUSION DETECTION, and FIRE DETECTION AND ALARM.

- Legend for responsibility matrix: OFOI OWNER FURNISHED & OWNER INSTALLED, OFCI OWNER FURNISHED & CONTRACTOR INSTALLED, CFCI CONTRACTOR FURNISHED & CONTRACTOR INSTALLED, CFOI CONTRACTOR FURNISHED & OWNER INSTALLED.

GENERAL NOTE: MATRIX IS NOT INTENDED TO BE EXHAUSTIVE TO COVER ALL MATERIALS NECESSARY FOR SCOPE AND SHOULD ONLY BE USED TO QUICKLY IDENTIFY SYSTEMS AND RELATED INFRASTRUCTURE INSIDE AND OUTSIDE THE BID OF THIS PROJECT. ANY ITEMS FURNISHED OR INSTALLED BY THE BIDDING CONTRACTOR SHALL COVER ALL REQUIRED APPURTENANCES NECESSARY FOR A COMPLETE SYSTEM. THIS SHALL INCLUDE BUT NOT BE LIMITED TO, EQUIPMENT, ACCESSORIES, TERMINATIONS, TERMINATION COMPONENTS, ALL FINAL CORDAGE CONNECTIVITY, SOFTWARE, PROGRAMMING, AND THE LABOR TO INSTALL.

KEYNOTES: 1. HID CARD READERS ARE OFCI. ALL OTHER FIELD DEVICES ARE CFCI UNLESS NOTED OTHERWISE.

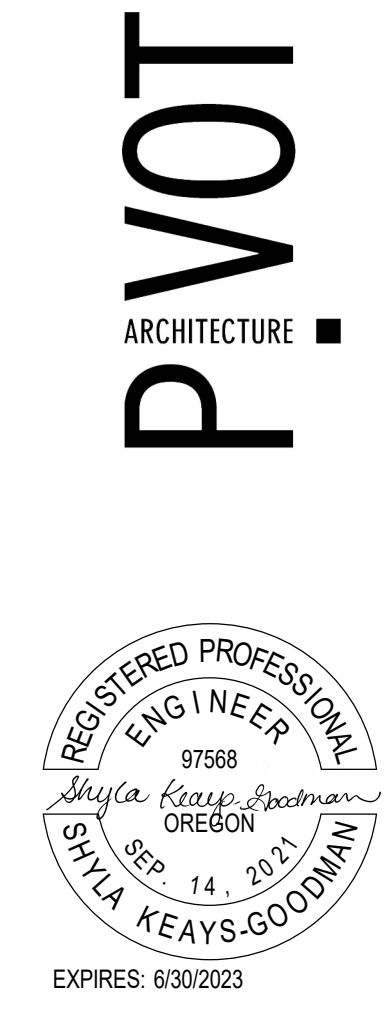
FIRE DETECTION AND ALARM SYMBOLS table listing symbols for Manual Fire Alarm Pull Station, Smoke Detector, Combination Speaker with Strobe, Fire Alarm Annunciator Panel, Fire Alarm NAC Panel, and Fire Alarm Control Panel + Emergency Communications Panel.

VIDEO SURVEILLANCE SYMBOLS table listing symbol for Video Surveillance Camera.

ACCESS CONTROL & INTRUSION DETECTION SYMBOLS table listing symbols for Proximity Card Reader, Door Position Switch, Electric Strike, Electrified Exit Device, Request to Exit Pushbutton, Momentary Door Release Pushbutton, Lockout Toggle Switch, and Lockdown Toggle Switch.

TELECOMMUNICATIONS INFRASTRUCTURE SYMBOLS table listing symbol for Data Outlet - Category 6A.

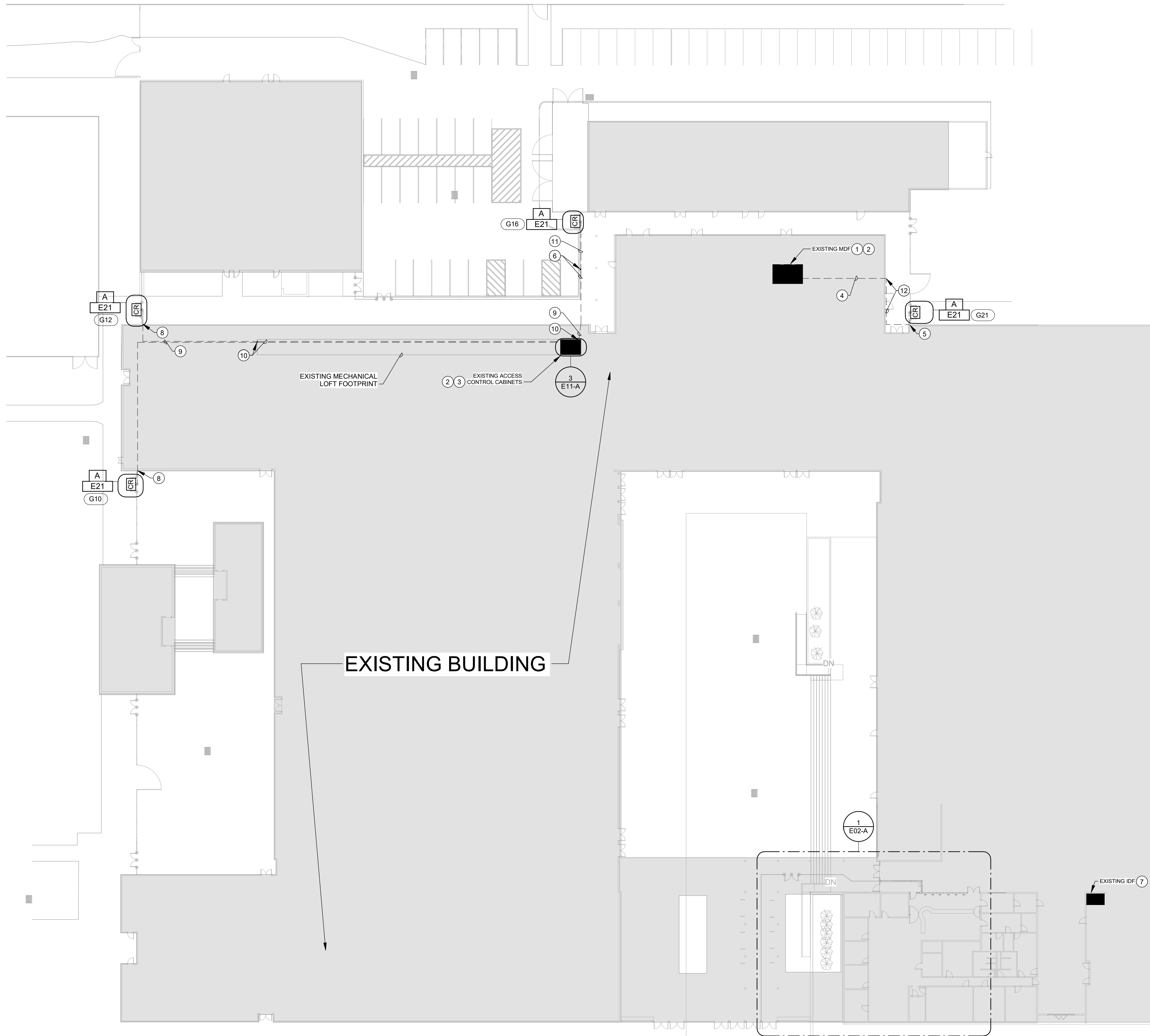
GENERAL SYMBOLS table listing symbols for Conduit Sleeve, Conduit Up/Down, Junction Box, Keynote, and Drawing Reference Tags (SIM and Ref).



CONSTRUCTION DRAWING SET
4J SECURITY IMPROVEMENTS
PROJECT #: 2207
EUGENE SCHOOL DISTRICT 4J

SHEET TITLE: TECHNOLOGY GENERAL NOTES & SYMBOLS
REVISIONS: # DESCRP. DATE
ISSUE DATE: 03.15.23

NOTE: ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT



1 SHELDON H.S. SITE PLAN - ELECTRICAL
1" = 30'-0"

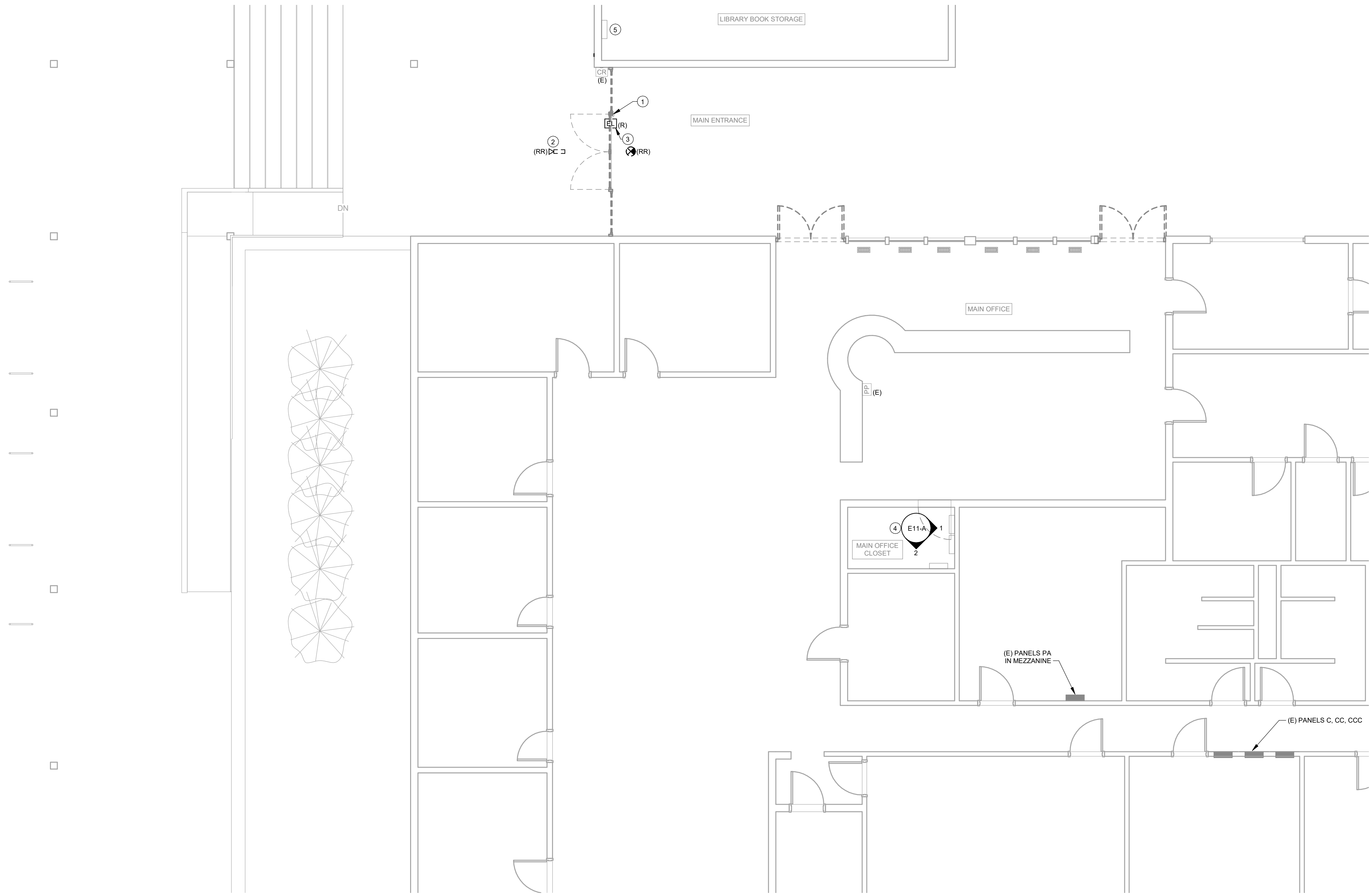
SITE GENERAL NOTES

- A. REFER TO SHEET E00 AND E01 FOR PROJECT GENERAL NOTES.
- B. CONDUIT ROUTING AND LOCATIONS SHOWN ARE SCHEMATIC. COORDINATE THE FINAL PROPOSED ROUTING WITH GENERAL CONTRACTOR AND OWNER'S REPRESENTATIVE.
- C. PROVIDE SAWCUTTING AND PATCHING OF EXISTING PAVEMENT WHERE REQUIRED TO ACCOMMODATE NEW UNDERGROUND WORK.
- D. ABBREVIATIONS:
 (E) - EXISTING ITEM TO REMAIN
 (ER) - NEW LOCATION OF EXISTING ITEM
 (N) - NEW ITEM IN EXISTING LOCATION
 (D) - DEMOLISHED ITEM, PATCH AND/OR COVER
 (RN) - REPLACE EXISTING WITH NEW
 (RR) - EXISTING ITEM TO BE REMOVED AND RELOCATED

KEYNOTES

- 1 LOCATION OF EXISTING LEVEL ACCESS CONTROL LNL2000 INTELLIGENT SYSTEM CONTROLLER, 1320 READER CARDS AND POWER SUPPLIES.
- 2 REFER TO RISER DIAGRAM DETAILS ON FOR NEW ACCESS CONTROL SYSTEM EQUIPMENT AND REQUIREMENTS.
- 3 LOCATION OF EXISTING LEVEL ACCESS CONTROL 1320 READER CARDS AND POWER SUPPLIES.
- 4 ROUTE SECURITY MANAGEMENT SYSTEM CONDUITS EXPOSED IN EXISTING BOILER ROOM TO NEW ACCESS CONTROL CABINETS.
- 5 TRANSITION SWEEP CONDUIT UP THROUGH GRADE AND SURFACE MOUNT TO EXTERIOR WALL.
- 6 SURFACE MOUNT CONDUIT TO EXISTING STRUCTURAL COLUMN AND CONTINUE ROUTING ALONG THE UNDERSIDE OF THE EXISTING CANOPY.
- 7 ROUTE NEW TELECOMMUNICATIONS CABLING TO EXISTING IDF RACK AND TERMINATE TO EXISTING PATCH PANELS.
- 8 TRANSITION SWEEP CONDUIT UP THROUGH GRADE AND SURFACE MOUNT TO EXTERIOR WALL. PENETRATE INTO EXISTING ACCESSIBLE SOFT SPACE AND CONTINUE ROUTING SECURITY MANAGEMENT CABLING AS ILLUSTRATED.
- 9 ROUTE SECURITY MANAGEMENT SYSTEMS CABLING AND CONDUIT CONCEALED ABOVE CEILING. UTILIZE EXISTING PATHWAYS WHERE APPLICABLE.
- 10 STUB CONDUIT INTO EXISTING MECHANICAL LOFT AND CONTINUE ROUTING SECURITY MANAGEMENT CABLING TO ACCESS CONTROL CABINETS FREE FLOWN UTILIZING EXISTING SUPPORTS.
- 11 SAWCUT EXISTING PAVEMENT TO ALLOW FOR NEW UNDERGROUND WORK. PATCH TO MATCH SURROUNDING SURFACE UPON COMPLETION.
- 12 ROUTE CONDUIT EXPOSED ALONG UNDERSIDE OF EXISTING CANOPY. PENETRATE INTO EXISTING BOILER ROOM AND CONTINUE TO ACCESS CONTROL CABINETS.





1 SHELDON H.S. DEMO FLOOR PLAN - ELECTRICAL
 3/16" = 1'-0"



GENERAL NOTES

A. REFER TO SHEET E00 AND E01 FOR PROJECT GENERAL NOTES.

B. ABBREVIATIONS:

- (E) EXISTING ITEM TO REMAIN
- (ER) NEW LOCATION OF EXISTING ITEM
- (N) NEW ITEM IN EXISTING LOCATION
- (D) DEMOLISHED EXISTING ITEM, PATCH AND/OR COVER
- (RN) REPLACE EXISTING WITH NEW
- (RR) EXISTING ITEM TO BE REMOVED AND RELOCATED

KEYNOTES

- 1 DISCONNECT EXISTING MOTORIZED SLIDING DOOR. MAINTAIN AND PROTECT CIRCUIT FOR EXTENSION TO NEW OPERABLE DOORS.
- 2 DISCONNECT AND REMOVE EXISTING CATEGORY 6A CABLING.
- 3 DISCONNECT AND REMOVE EXISTING ACCESS CONTROL DEVICES AND CABLING AT REMOVED DOORS.
- 4 REFER TO THE CALLOUT VIEW FOR THE SCOPE OF WORK. EXISTING ACCESS CONTROL CABINET SERVING MAIN ENTRANCE. MAINTAIN FOR REUSE TO SERVE NEW OPENING.
- 5



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 ENGINEERING
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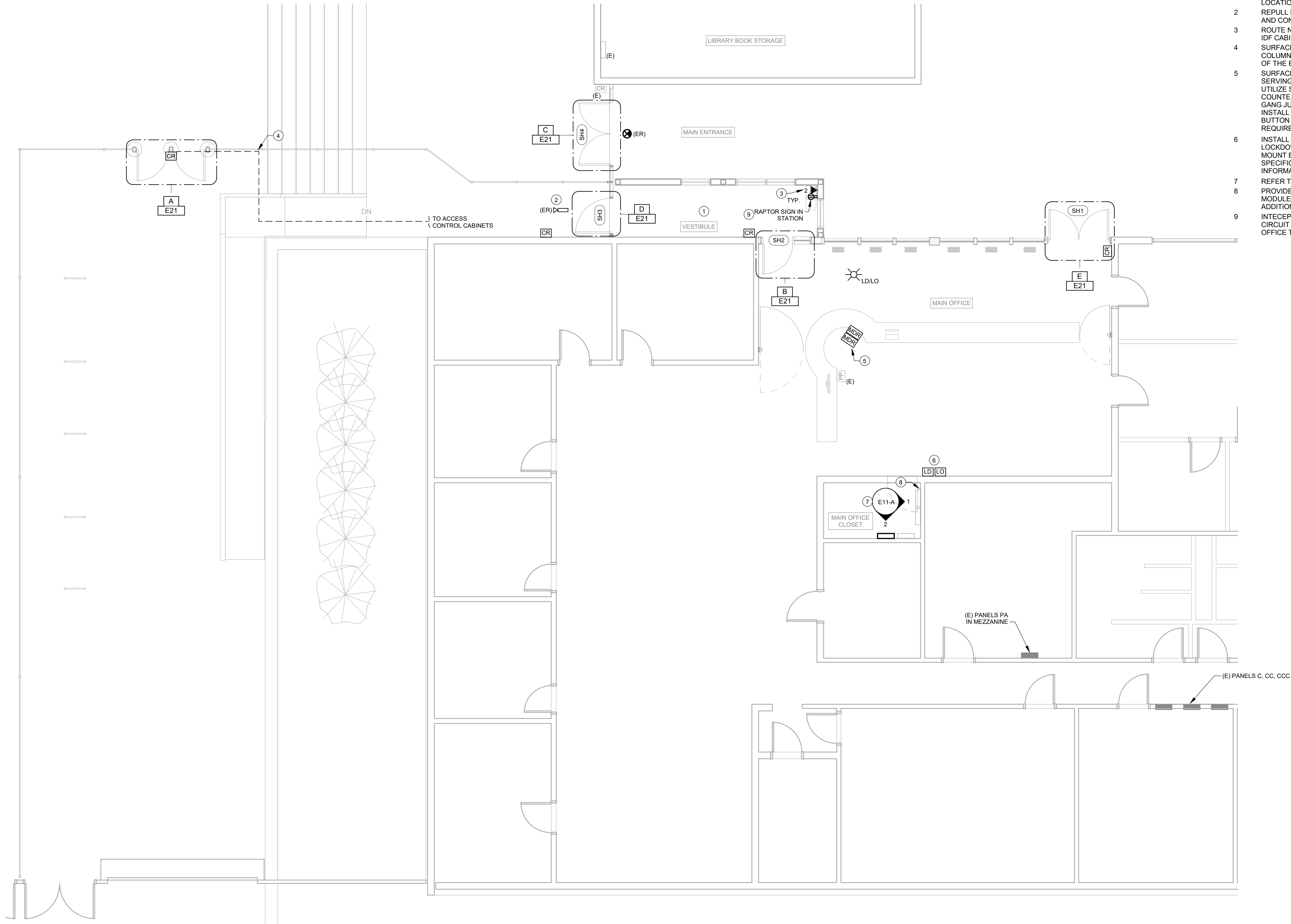
CONSTRUCTION DRAWING SET
4J SECURITY IMPROVEMENTS
 PROJECT #: 2207
 EUGENE SCHOOL DISTRICT 4J

SHEET TITLE:
**SHELDON H.S.
 DEMO FLOOR
 PLANS -
 ELECTRICAL**

#	DESCRP.	DATE

ISSUE DATE: 03.15.23

ED01-A



GENERAL NOTES

- A. REFER TO SHEET E00 AND E01 FOR PROJECT GENERAL NOTES.
- B. ABBREVIATIONS:
 (E) EXISTING ITEM TO REMAIN
 (ER) NEW LOCATION OF EXISTING ITEM
 (N) NEW ITEM IN EXISTING LOCATION
 (D) DEMOLISHED EXISTING ITEM, PATCH AND/OR COVER
 (RN) REPLACE EXISTING WITH NEW
 (RR) EXISTING ITEM TO BE REMOVED AND RELOCATED

KEYNOTES

- 1. ROUTE NEW CABLING CONCEALED ABOVE CEILING AT THIS LOCATION.
- 2. REPULL NEW CATEGORY 6A CABLING FROM EXISTING IDF AND CONNECT, MATCH EXISTING CONDITIONS.
- 3. ROUTE NEW TELECOMMUNICATIONS CABLING TO EXISTING IDF CABINET AS SHOWN ON E01-A.
- 4. SURFACE MOUNT CONDUIT TO EXISTING STRUCTURAL COLUMN AND CONTINUE ROUTING ALONG THE UNDERSIDE OF THE EXISTING CANOPY.
- 5. SURFACE MOUNT MOMENTARY DOOR RELEASE BUTTONS SERVING DOORS SH1 AND SH2 BELOW DESK COUNTERTOP. UTILIZE SURFACE RACEWAY CONCEALED BENEATH COUNTERTOP FROM EXISTING POWER POLE TO A SINGLE GANG JUNCTION BOX MOUNTED BELOW COUNTERTOP. INSTALL OWNER-FURNISHED MOMENTARY DOOR RELEASE BUTTON AND CABLING WHIP. COORDINATE INSTALLATION REQUIREMENTS WITH OWNER SUPPLIED EQUIPMENT.
- 6. INSTALL RELOCATED LOCKOUT SWITCH AND NEW LOCKDOWN SWITCH IN TWO-GANG LEGRAND SURFACE MOUNT BOX. PROVIDE COVERS AND LABELING PER SPECIFICATIONS. REFER TO ELEVATIONS FOR ADDITIONAL INFORMATION.
- 7. REFER TO THE CALLOUT VIEW FOR THE SCOPE OF WORK. PROVIDE NEW DMP 714-18T INTRUSION SYSTEM EXPANDER MODULE. REFER TO ELEVATION AND RISER DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- 9. INTECEPT AND EXTEND NEAREST EXISTING RECEPTACLE CIRCUIT FROM JUNCTION BOX ABOVE CEILING IN MAIN OFFICE TO SERVE NEW RAPTOR SIGN-IN STATION.

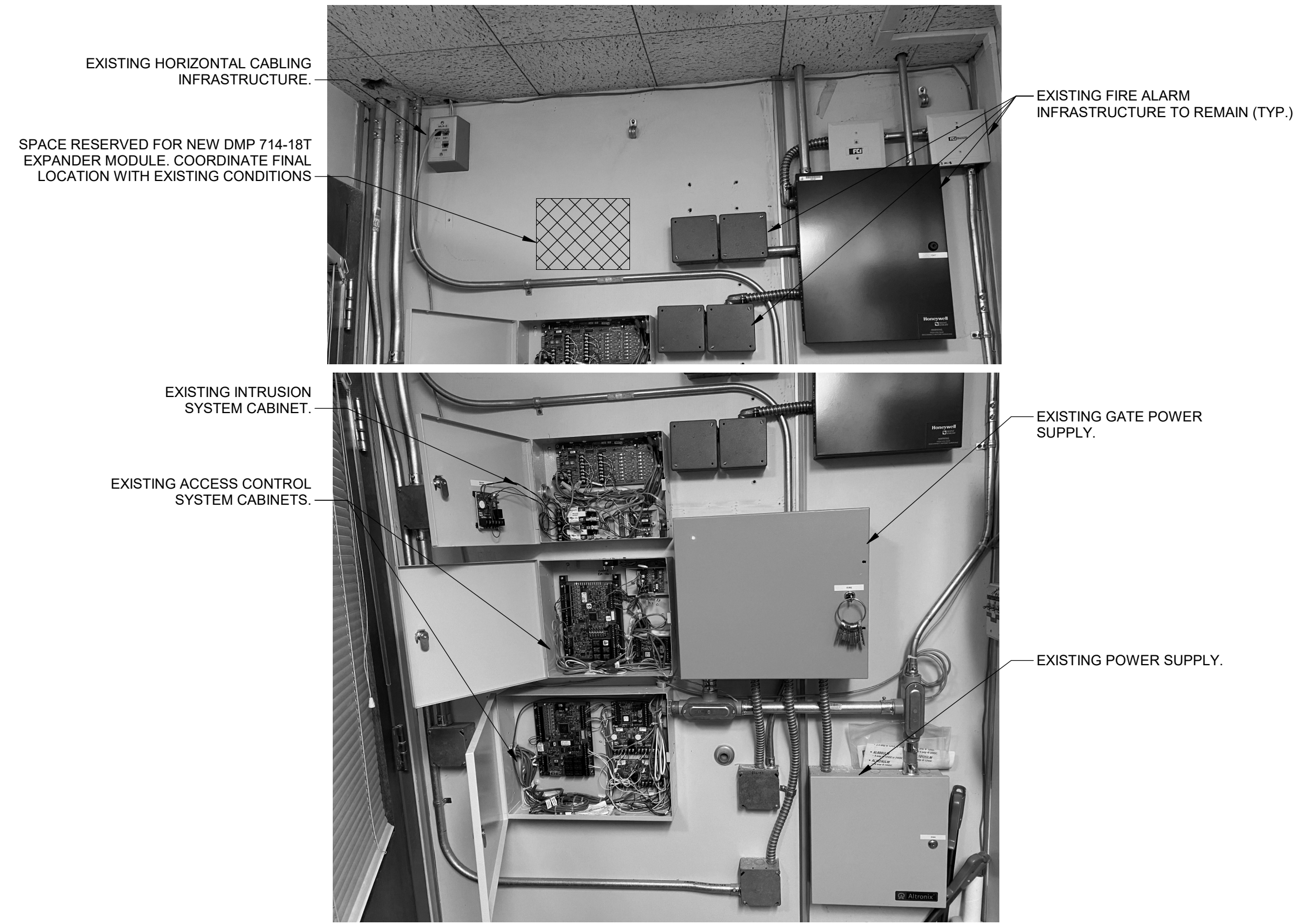


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UNLESS NOTED OTHERWISE, EXISTING EQUIPMENT SHOWN IS TO REMAIN. PROTECT IN PLACE



1 SHELDON CLOSET EAST ELEVATION

UNLESS NOTED OTHERWISE, EXISTING EQUIPMENT SHOWN IS TO REMAIN. PROTECT IN PLACE

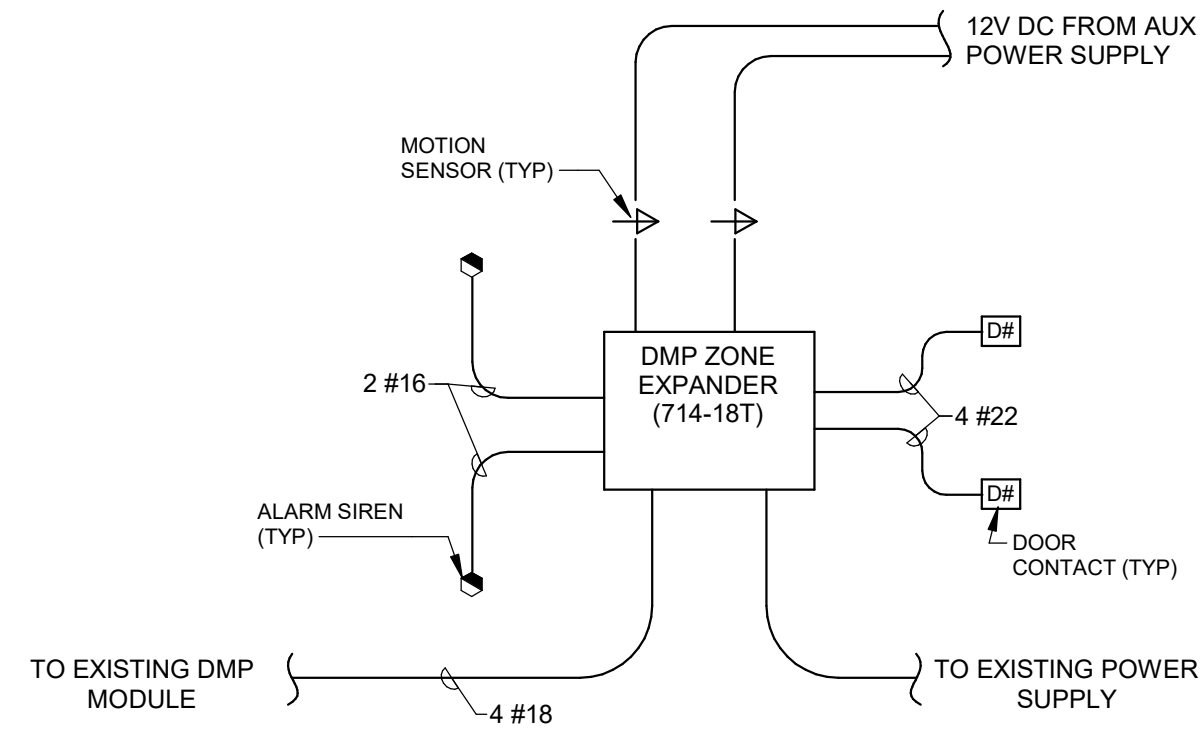


2 SHELDON CLOSET SOUTH ELEVATION (PARTIAL)

UNLESS NOTED OTHERWISE, EXISTING EQUIPMENT SHOWN IS TO REMAIN. PROTECT IN PLACE



3 SHELDON 2ND FLOOR MECHANICAL LOFT



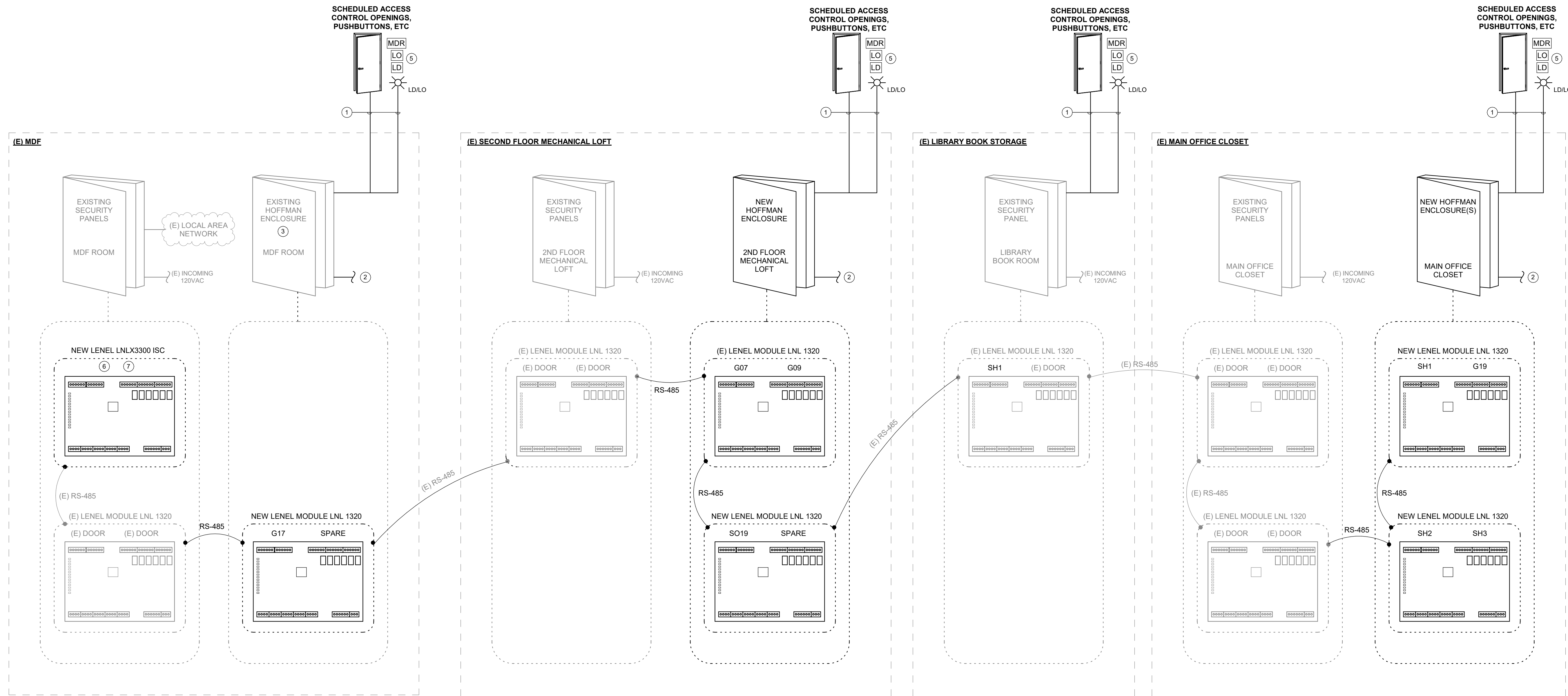
- GENERAL NOTES:**
- A. DMP INTRUSION DETECTION SYSTEM IS EXISTING. PROVIDE THE MAJOR SYSTEM COMPONENTS ILLUSTRATED ACCOMMODATE NEWLY SCHEDULED EQUIPMENT.
 - B. THE INTENT OF THE RISER DIAGRAMS ARE TO IDENTIFY MAJOR SYSTEM COMPONENTS. CONSULT MANUFACTURER RECOMMENDATIONS AND PROVIDE WIRING, COMPONENTS, ETC AS REQUIRED TO DELIVER A FULLY FUNCTIONAL SYSTEM.
 - C. REFER TO FLOOR PLANS FOR EQUIPMENT LOCATIONS.
 - D. PROGRAMMING IS BY THE BIDDING CONTRACTOR AT THE DIRECTION OF 4J SCHOOL DISTRICT.

NOT ALL SYMBOLS MAY APPLY TO THIS PROJECT

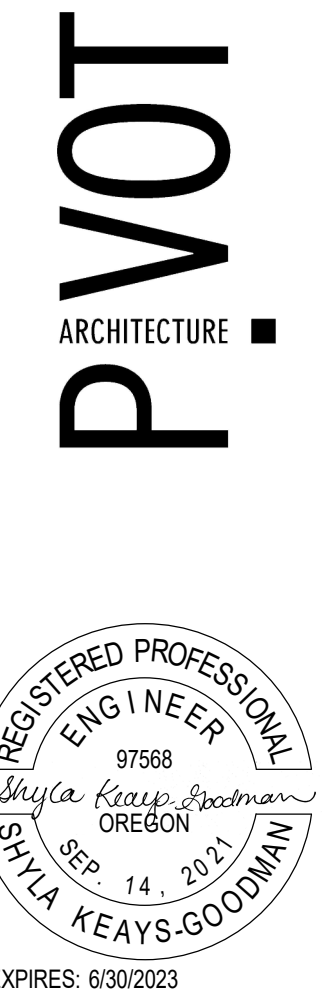
- GENERAL NOTES:**
- A. LEVEL ON GUARD ACCESS CONTROL SYSTEM IS EXISTING. PROVIDE THE MAJOR SYSTEM COMPONENTS ILLUSTRATED ACCOMMODATE NEWLY SCHEDULED EQUIPMENT.
 - B. THE INTENT OF THE RISER DIAGRAMS ARE TO IDENTIFY MAJOR SYSTEM COMPONENTS. CONSULT MANUFACTURER RECOMMENDATIONS AND PROVIDE WIRING, COMPONENTS, ETC AS REQUIRED TO DELIVER A FULLY FUNCTIONAL SYSTEM.
 - C. REFER TO FLOOR PLANS FOR EQUIPMENT LOCATIONS.
 - D. PROGRAMMING IS BY THE BIDDING CONTRACTOR AT THE DIRECTION OF 4J SCHOOL DISTRICT.
 - E. COORDINATE AC POWER REQUIREMENTS WITH DIVISION 26 CONTRACTOR.
 - F. ABBREVIATIONS:
 (E) - EXISTING ITEM TO REMAIN
 (ER) - NEW LOCATION OF EXISTING ITEM
 (N) - NEW ITEM IN EXISTING LOCATION
 (D) - DEMOLISHED ITEM, PATCH AND/OR COVER
 (RN) - REPLACE EXISTING WITH NEW
 (RR) - EXISTING ITEM TO BE REMOVED AND RELOCATED

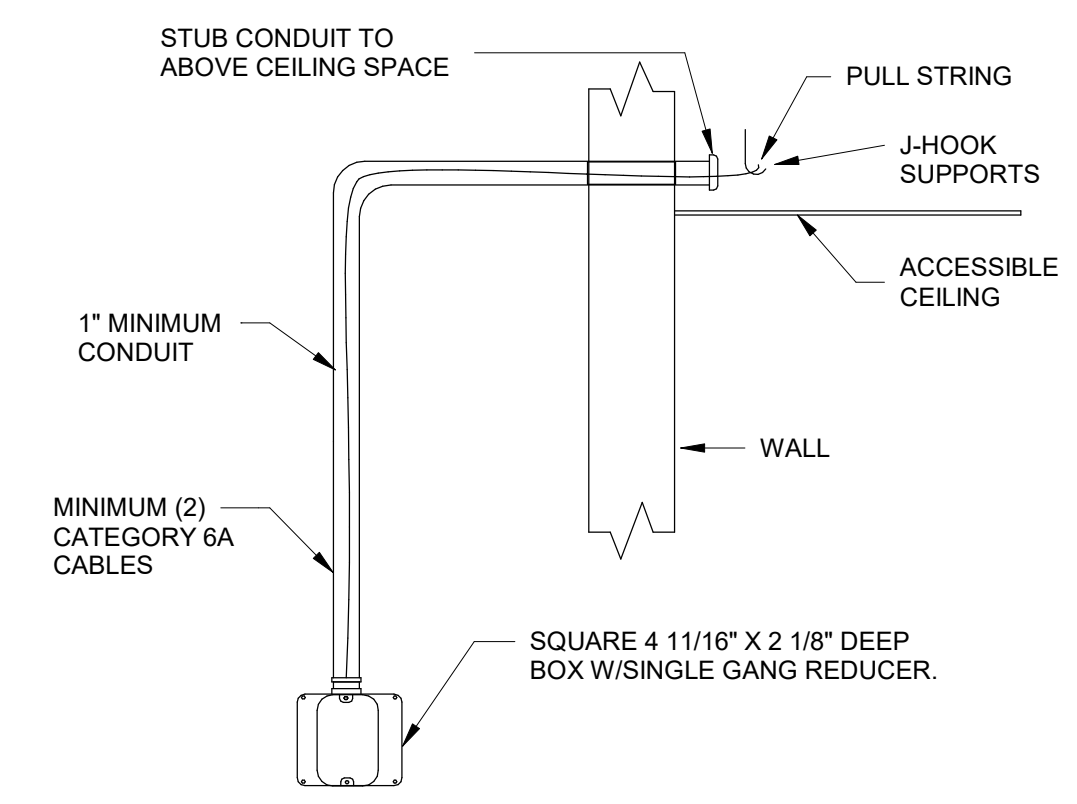
- KEYNOTES: #**
1. MULTI-CABLE, MULTI-CONDUCTOR COMPOSITE CABLE (TYP. FOR EACH CONTROLLER), REFER TO ACCESS CONTROL DETAILS AND SPECIFICATIONS FOR WIRING REQUIREMENTS.
 2. PROVIDE NEW WIRING FROM EXISTING POWER SUPPLY AND CONNECT.
 3. INSTALL NEW READER CARD IN EXISTING SPARE HOFFMAN ENCLOSURE.
 4. REINSTALL EXISTING ACCESS CONTROL INFRASTRUCTURE FROM REMOVED CABINETS. SPLICE AND EXTEND EXISTING CABLING. CONSOLIDATE SPLICED CABLING INTO ONE (1) PULL BOX. REITERMINE WIRING AND PROGRAM TO MATCH EXISTING CONDITIONS.
 5. REFER TO SPECIFICATIONS FOR DEVICE REQUIREMENTS.
 6. DISCONNECT AND REMOVE EXISTING LNL2000 ISC AND REPLACE WITH NEW LNLX3300 ISC. RECONNECT EXISTING CABLING AND CONNECTIONS TO MATCH EXISTING CONDITIONS. PROVIDE PROGRAMMING, ADDRESSING AND RECONFIGURATION AS REQUIRED TO MATCH EXISTING CONDITIONS AND IN COORDINATION WITH 4J SCHOOL DISTRICT.
 7. FIELD MODIFY EXISTING INCOMING RS-485 SERIAL COMMUNICATION WIRING TO ACCOMMODATE THE REDUCTION IN AVAILABLE PORTS ON THE LNLX3300 ISC.

2 TYPICAL DMP EXPANDER DIAGRAM - SHELDON



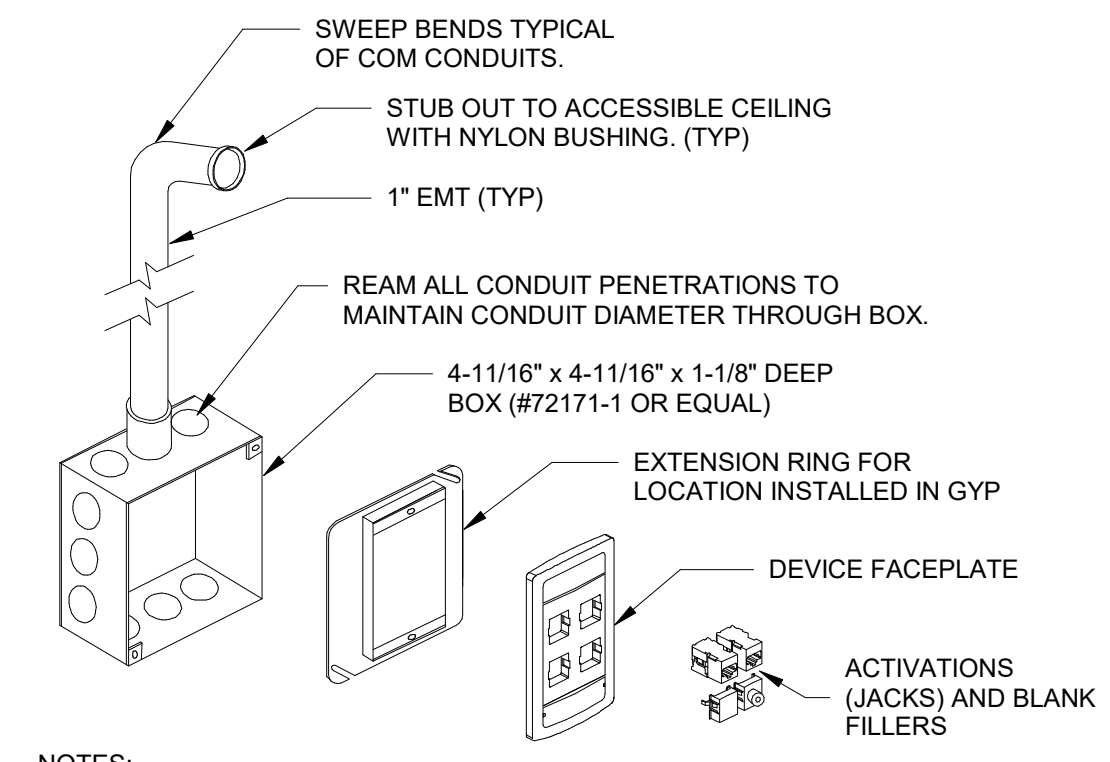
1 LEVEL ACCESS CONTROL RISER - SHELDON





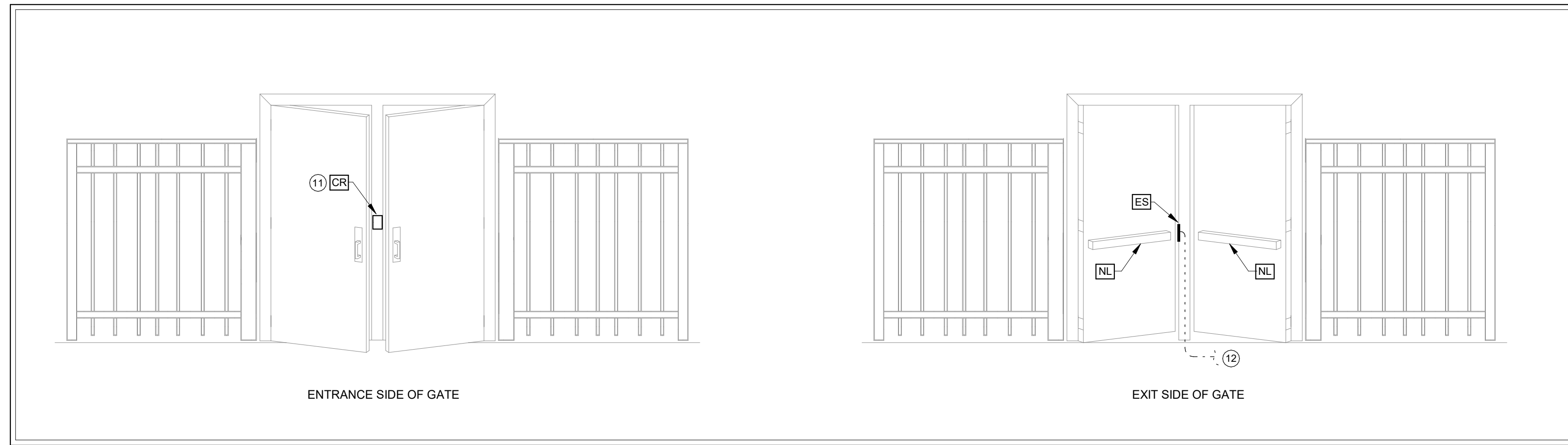
GENERAL NOTE:
A. EVERY WORK AREA OUTLET (WAO) GETS ONE TYPICAL ROUGH-IN.

**2 TYPICAL CONDUIT PATHWAY TO WORK AREA DATA OUTLET
CONDUIT PATHWAY TO DATA OUTLET**

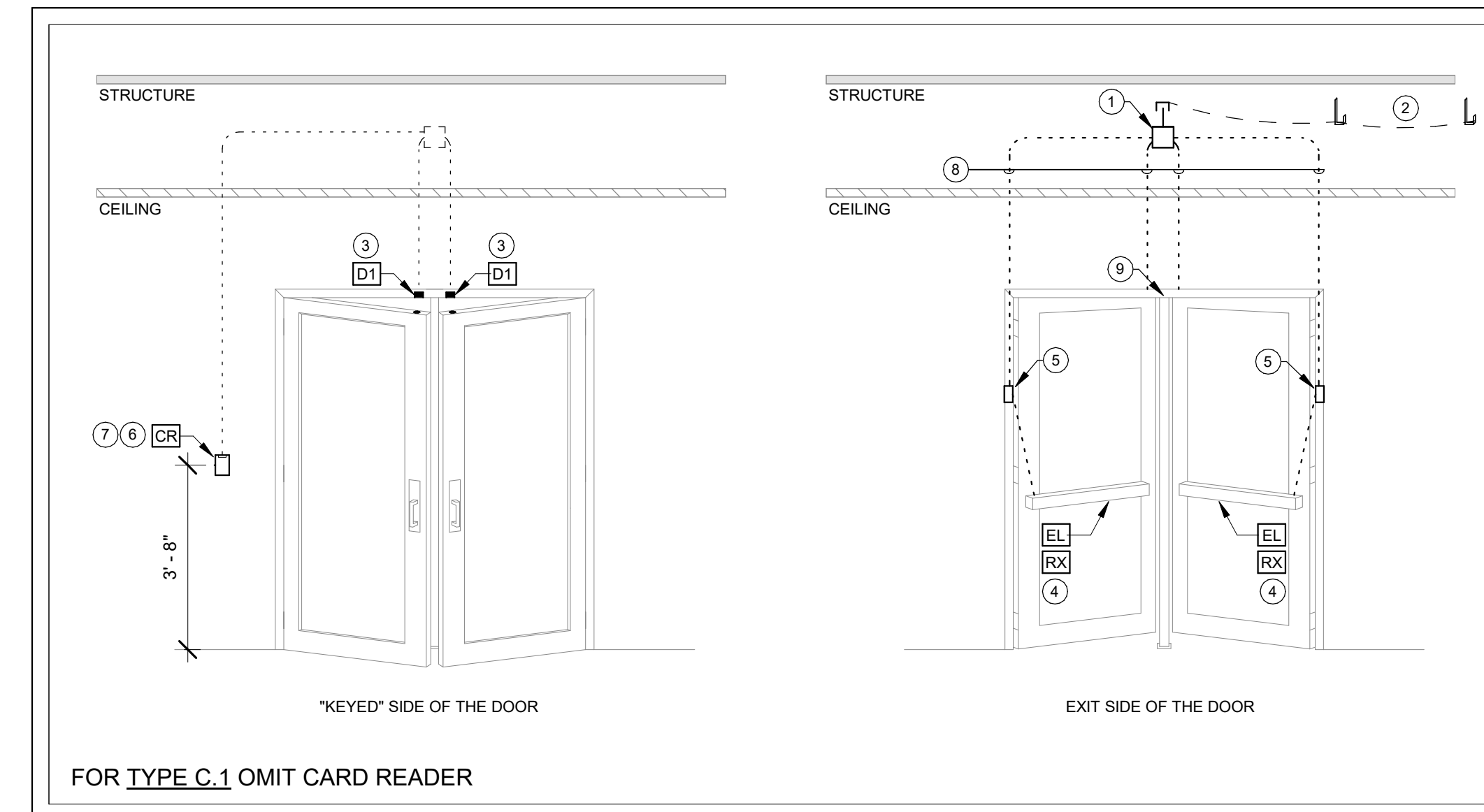
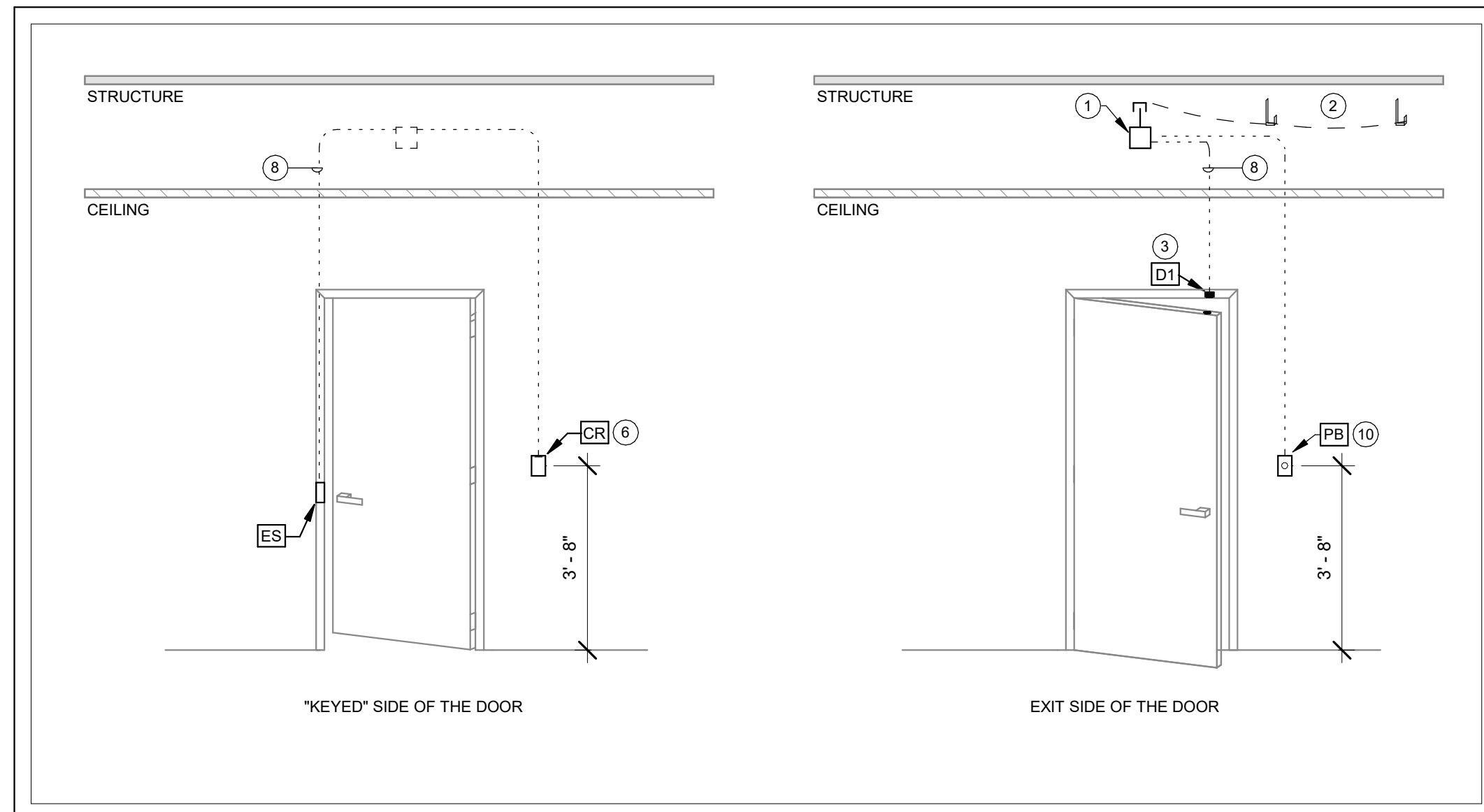


NOTES:
A. FOR EACH DATA WORK AREA OUTLET, WITH EXCEPTION TO FLAT PANEL TELEVISION LOCATIONS, PROVIDE A 2-GANG BOX WITH A SINGLE-GANG PLASTER-RING.
B. INSTALL ONE (1) 1\"/>

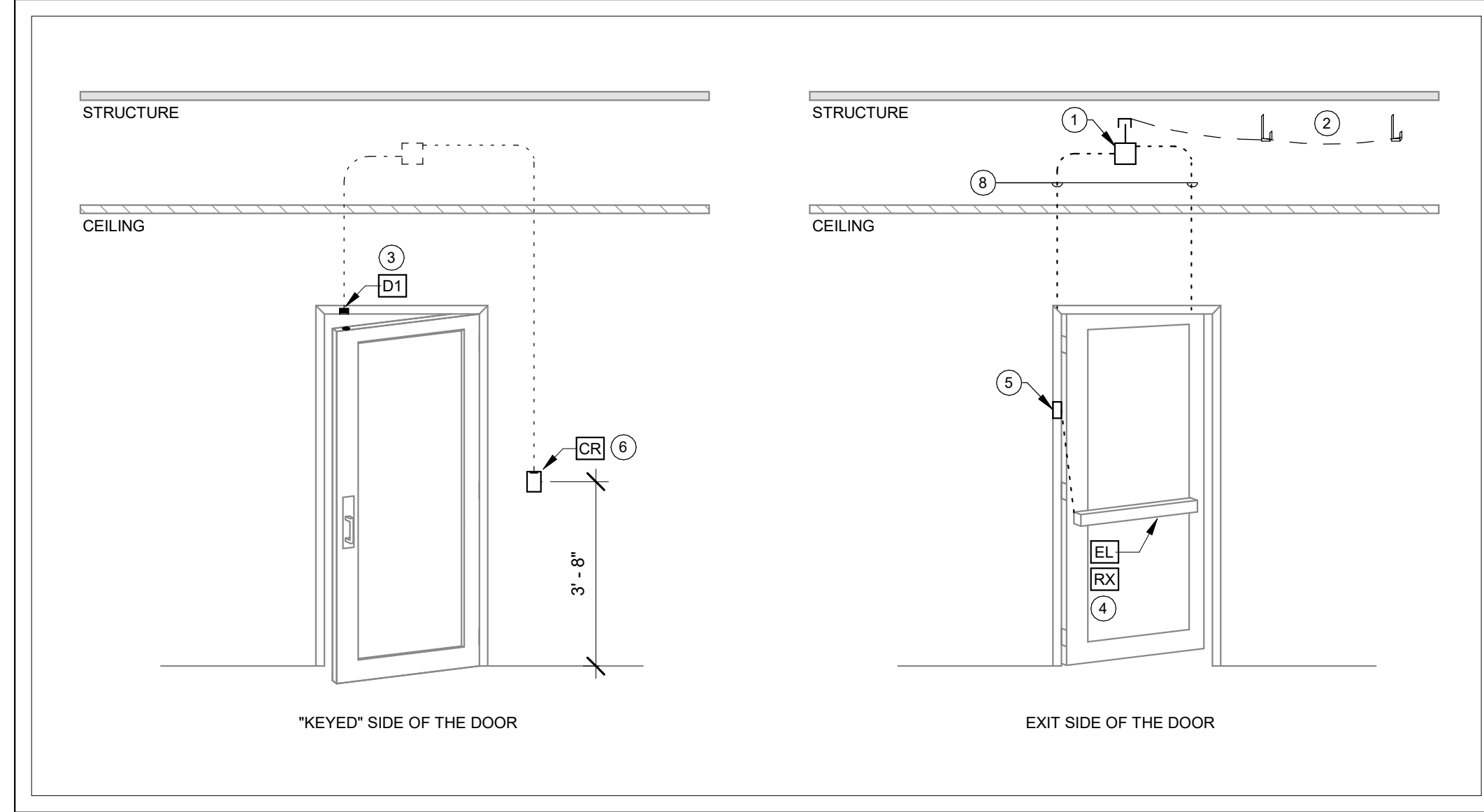
**1 WALL MOUNTED DATA OUTLET DETAIL
DATA OUTLET DETAIL**



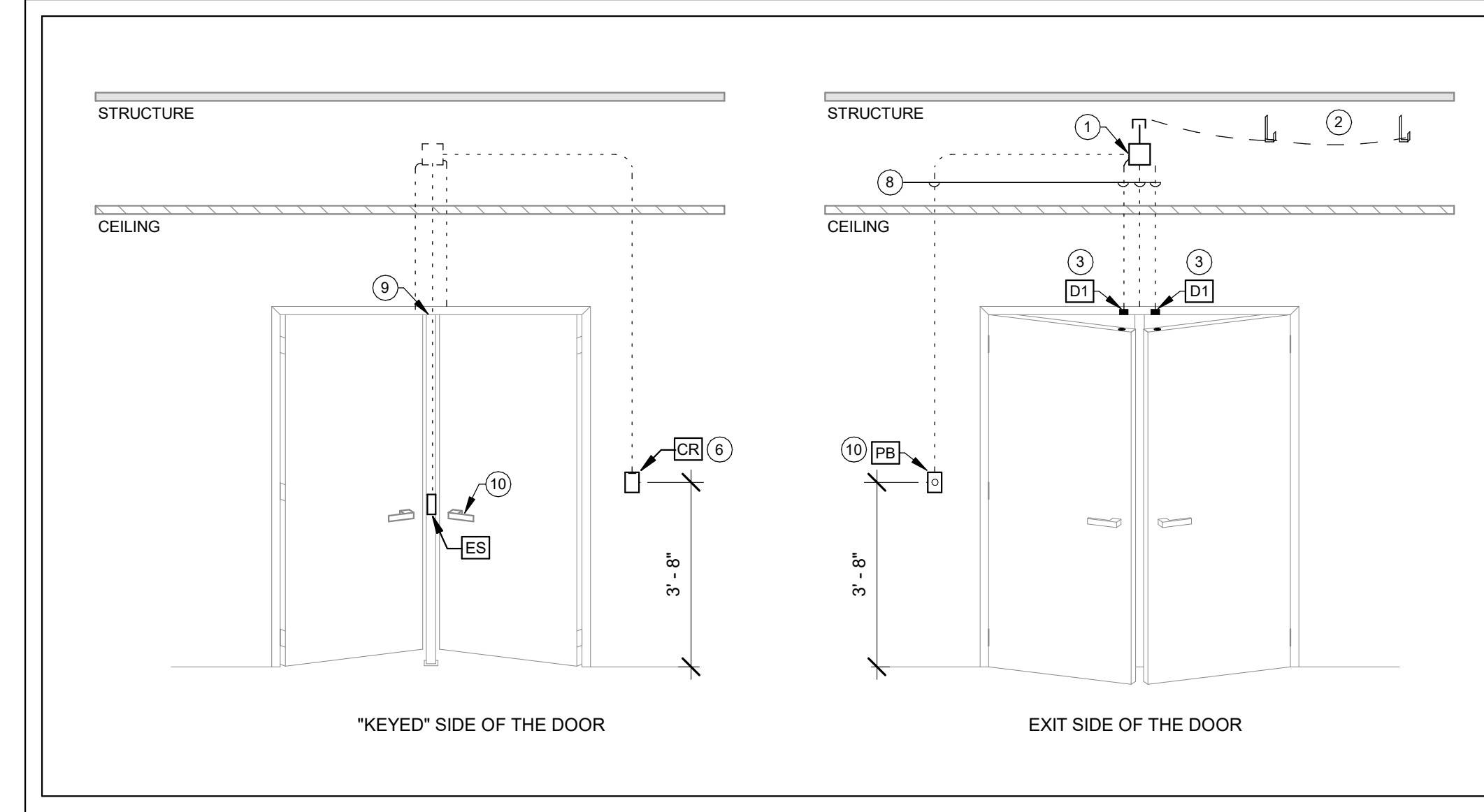
A ACCESS CONTROL DETAIL - TYPE A



B ACCESS CONTROL DETAIL - TYPE B



C ACCESS CONTROL DETAIL - TYPE C & C.1



D ACCESS CONTROL DETAIL - TYPE D

E ACCESS CONTROL DETAIL - TYPE E

GENERAL NOTES:

- ACCESS CONTROL SYSTEM SHALL BE PROVIDED BY THE BIDDING CONTRACTOR. DETAILS ILLUSTRATED HERE ARE INTENDED TO ILLUSTRATE PATHWAY, ROUGH-IN DEVICE AND CABLING REQUIREMENTS. REVIEW SPECIFICATION 08 71 00 FOR SPECIFIC ELEMENTS SCHEDULED AT EACH OPENING.
- LENELO ONGAURD ACCESS CONTROL SYSTEM IS EXISTING. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROGRAMMING WITH 4J SCHOOL DISTRICT SECURITY DEPARTMENT.
- PROVIDE ELECTRIFIED LOCKSETS WITH CENTRALIZED LOW VOLTAGE POWER. INDIVIDUAL POWER SUPPLIES INSTALLED AT EACH OPENING IS NOT ACCEPTABLE. COORDINATE FINAL VOLTAGE AND AMPERAGE REQUIREMENTS WITH THE SPECIFIED DOOR HARDWARE.
- IT IS THE INTENT THAT PATHWAYS AND ROUGH-IN SERVING ACCESS CONTROL DEVICES ARE RECESSED AND CONCEALED. EXPOSED CABLING SHALL NOT BE ACCEPTED UNLESS APPROVED BY THE ARCHITECT. WHERE SURFACE MOUNT IS REQUIRED, ENSURE PATHWAYS ARE PROVIDED IN ACCORDANCE WITH SPECIFICATIONS AND PAINTED TO MATCH SURROUNDING FINISHES.
- DEVICES INCLUDING CARD READERS MAY BE LOCATED ON A DIFFERENT WALL. REFER TO THE DRAWING SET AND ELEVATIONS FOR WHICH SIDE COMPONENTS ARE LOCATED.
- DETAILS NOT INTENDED TO ACCURATELY ILLUSTRATE CEILING TYPES, CEILING AND DECK HEIGHTS, DOOR SWING OR DOOR FINISHES. COORDINATE EACH OPENING'S SPECIFIC ROUGH-IN AND PATHWAY NEEDS WITH ARCHITECTURAL PLANS AND ELEVATIONS.
- ALL CONDUIT SHALL BE PROVIDED A PULL STRING TO ALLOW EASE OF CABLING INSTALLATION.

KEYNOTES:

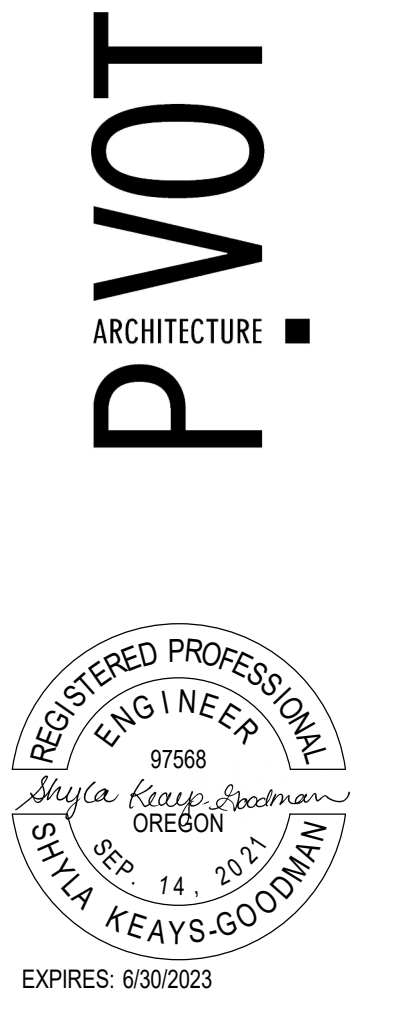
- ACCESS CONTROL JUNCTION BOX. PROVIDE ONE (1) 4-SQUARE BOX ABOVE THE NEAREST CONCEALED, ACCESSIBLE CEILING SPACE. THIS BOX SHALL BE USED AS A JUNCTION POINT FOR ALL DOOR DEVICE WIRING.
- PROVIDE SECURITY MANAGEMENT SYSTEM CABLING BACK TO THE HEAD END /CONTROL CABINET USING ITS OWN DEDICATED PATHWAYS. PROVIDE SUPPORTS PER SPECIFICATIONS TO SERVE THIS INFRASTRUCTURE.
- PREPARE FRAME FOR THE INSTALLATION OF DOOR CONTACT. CONTACT SHALL BE CONNECTED TO THE INTRUSION DETECTION SYSTEM. COORDINATE ZONING WITH 4J SCHOOL DISTRICT.
- THE SCHEDULED DOOR HARDWARE HOSTS BUILT-IN MOMENTARY SWITCHES TO INTERFACE THE REQUEST TO EXIT FUNCTION FOR ACCESS CONTROL.
- ELECTRONIC POWER TRANSFER. PROVIDE A 1/2" PATHWAY TO THE FRAME TO SERVE THE ELECTRIFIED EXIT DEVICE.
- PROVIDE SINGLE GANG JUNCTION BOX AND (1) 1" CONDUIT PATHWAY TO SERVE NEW CARD READER AND CABLING. CARD READER IS OWNER-FURNISHED, CONTRACTOR-INSTALLED.
- CARD READER AND CABLING IS EXISTING TO REMAIN AT DOOR "SH3", PROTECT IN PLACE.
- PROVIDE A 1/2" CONDUIT PATHWAY TO THE FRAME.
- CENTER MULLION.
- PROVIDE SINGLE GANG JUNCTION BOX TO SERVE PUSHBUTTON REQUEST TO EXIT, CAMDEN #CM-353.
- SURFACE MOUNT CARD READER ON CENTER POST. PROVIDE DEVICE WITH HID IP65GSKIT GASKET KIT. CARD READER IS OWNER-FURNISHED, CONTRACTOR-INSTALLED.
- ROUTE SECURITY MANAGEMENT SYSTEM CABLING UNDERGROUND TO MDF/IDF LOCATION. REFER TO DRAWINGS FOR ROUTING REQUIREMENTS AT EACH INSTANCE.

DEVICE AND CABLING LEGEND:

- D1 FLUSH-MOUNT DOOR POSITION SWITCH - 22 AWG / 4 CONDUCTOR
- D2 SURFACE-MOUNT DOOR POSITION SWITCH- 22 AWG / 4 CONDUCTOR
- CR CARD READER (OFCI) - 22 AWG / 8 CONDUCTOR
- EL ELECTRIFIED EXIT DEVICE - 12 AWG / 2 CONDUCTOR
- ES ELECTRIFIED STRIKE - 16 AWG / 2 CONDUCTOR
- NL NON-ELECTRIFIED LATCH (MECHANICAL EXIT) - NO WIRING NECESSARY

CABLING NOTES:

- CABLING DEFINITIONS ARE BASED ON DISTRICT STANDARD WIRING APPROACH. COORDINATE WIRE GAUGE WITH VOLTAGE, AMPERAGE, AND DISTANCE REQUIREMENTS.
- CABLING SHALL BE STRANDED TYPE WITH ORANGE JACKET.
- REFER TO SPECIFICATIONS FOR ADDITIONAL CABLING INFRASTRUCTURE REQUIREMENTS.



CONSTRUCTION DRAWING SET
 4J SECURITY IMPROVEMENTS
 PROJECT #: 2207
 EUGENE SCHOOL DISTRICT 4J

SHEET TITLE:
ACCESS CONTROL DOOR DETAILS - ALL SITES

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ISSUE DATE: 03.15.23