

4J SECURITY IMPROVEMENTS

EUGENE SCHOOL DISTRICT 4J

SOUTH EUGENE 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: 400 East 19th Avenue, Eugene, OR 97401

MAP & TAX LOT #: 18030522 - 06000

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

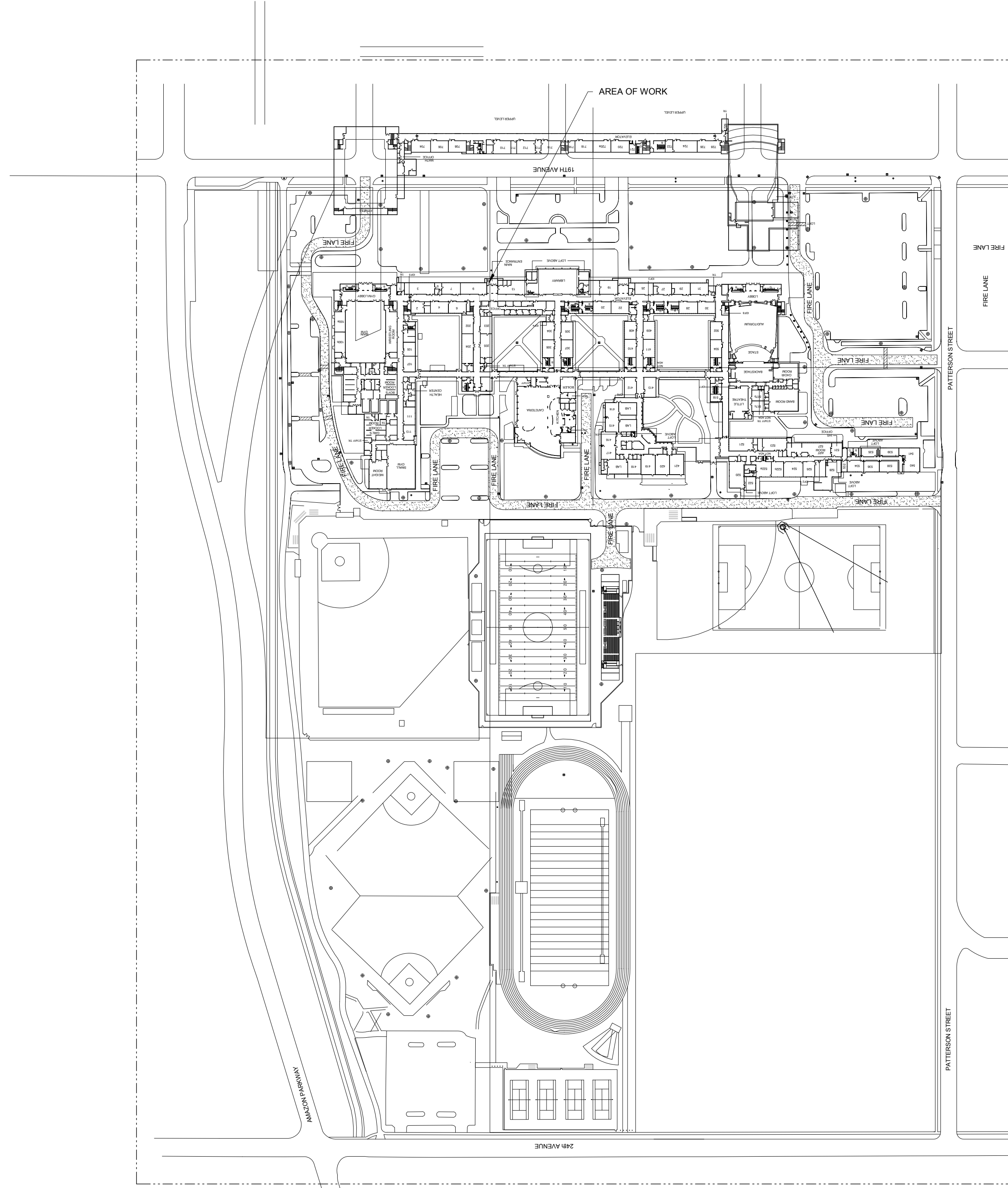
PIVOT ARCHITECTURE PC
44 WEST BROADWAY, SUITE 300
EUGENE, OR 97401
PHONE: (541) 342-7291
CONTACT: JOHN STAPLETON, JSTAPLETON@PIVOTARCHITECTURE.COM

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 SOUTH
 1" = 160'-0"

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

SHEET TITLE:
SITE PLAN SOUTH

REVISIONS:

#	DESCRP.	DATE

ISSUE DATE: 03.15.23

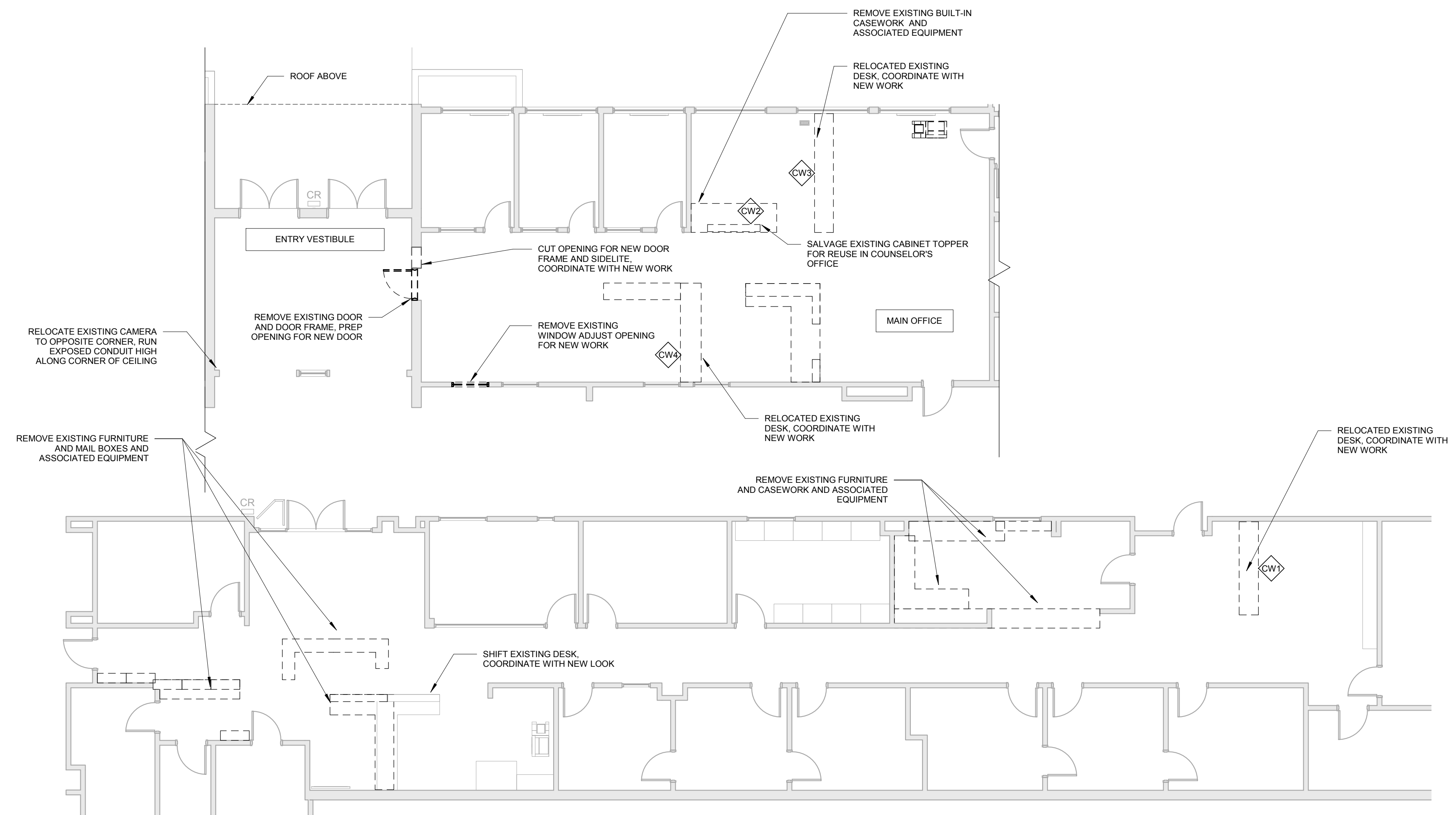
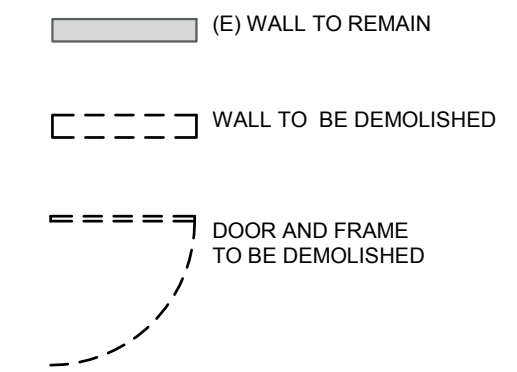
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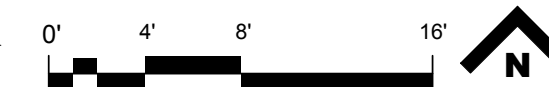
GENERAL NOTES - DEMOLITION

- 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, CEILINGS & 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

DEMOLITION LEGEND



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



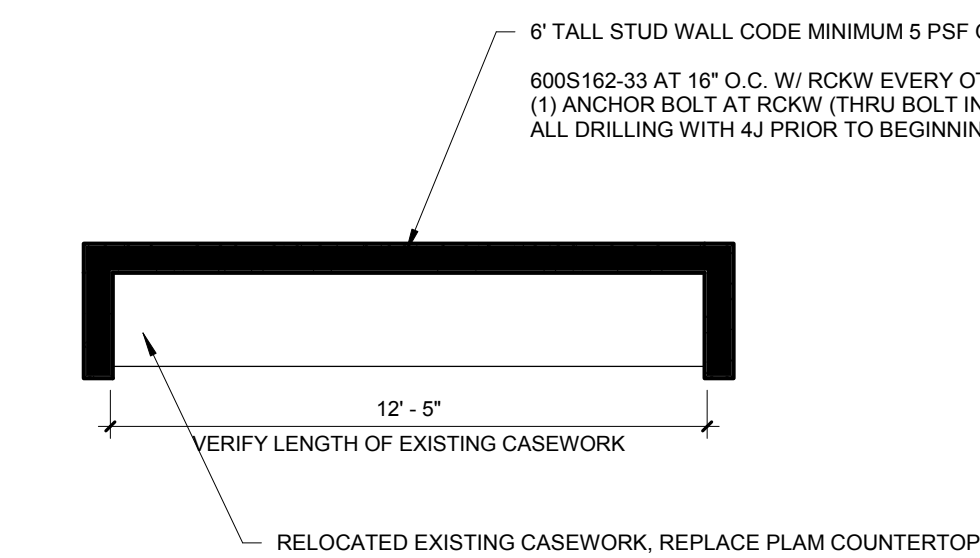
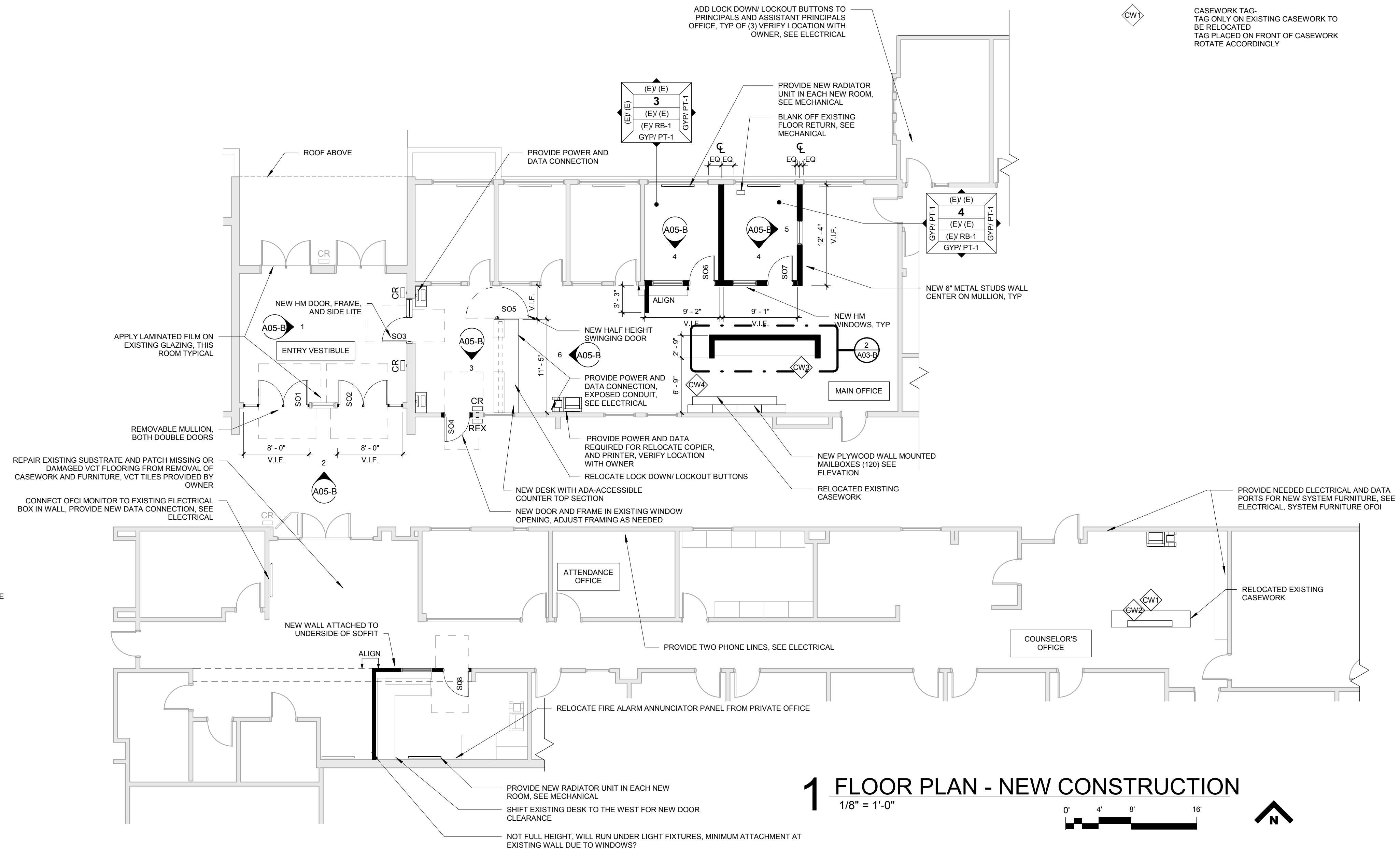
DOOR SCHEDULE - SO								
MARK	WIDTH	HEIGHT	DOOR PANEL		FRAME		HARDWARE GROUP	COMMENTS
			TYPE	FINISH	TYPE	FINISH		
SO1	6'-0"	6'-10"	ALUM	ALUM			01	
SO2	6'-0"	6'-10"	ALUM	ALUM			05	CONTROL ACCESS - SEE HARDWARE SPECIFICATION
SO3	5'-2"	7'-0"	HM	HM	PAINT		03	CONTROL ACCESS - CARD READER, REMOTE LOCK/ UNLOCK
SO4	3'-0"	7'-0"	HM	HM			04	CONTROL ACCESS - SEE HARDWARE SPECIFICATION
SO5	3'-10"	3'-6"	ALUM	ALUM	PER MANUFACTURER		PER MANUFACTURER	HALF HEIGHT ALUMINUM TRAFFIC DOOR - VERIFY OPENING IN FIELD
SO6	3'-0"	7'-0"	WOOD	HM	PAINT		02	OFFICE LOCKSET
SO7	3'-0"	7'-0"	WOOD	HM	PAINT		02	OFFICE LOCKSET

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

WALL FILL PATTERNS:

- EXISTING WALL ASSEMBLY
- NON FIRE-RATED WALL ASSEMBLY
- CARD READER
- REQUEST TO EXIT
- CASEWORK TAG- TAG ONLY ON EXISTING CASEWORK TO BE RELOCATED TAG PLACED ON FRONT OF CASEWORK ROTATE ACCORDINGLY



2 WING WALL
1/4" = 1'-0"

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



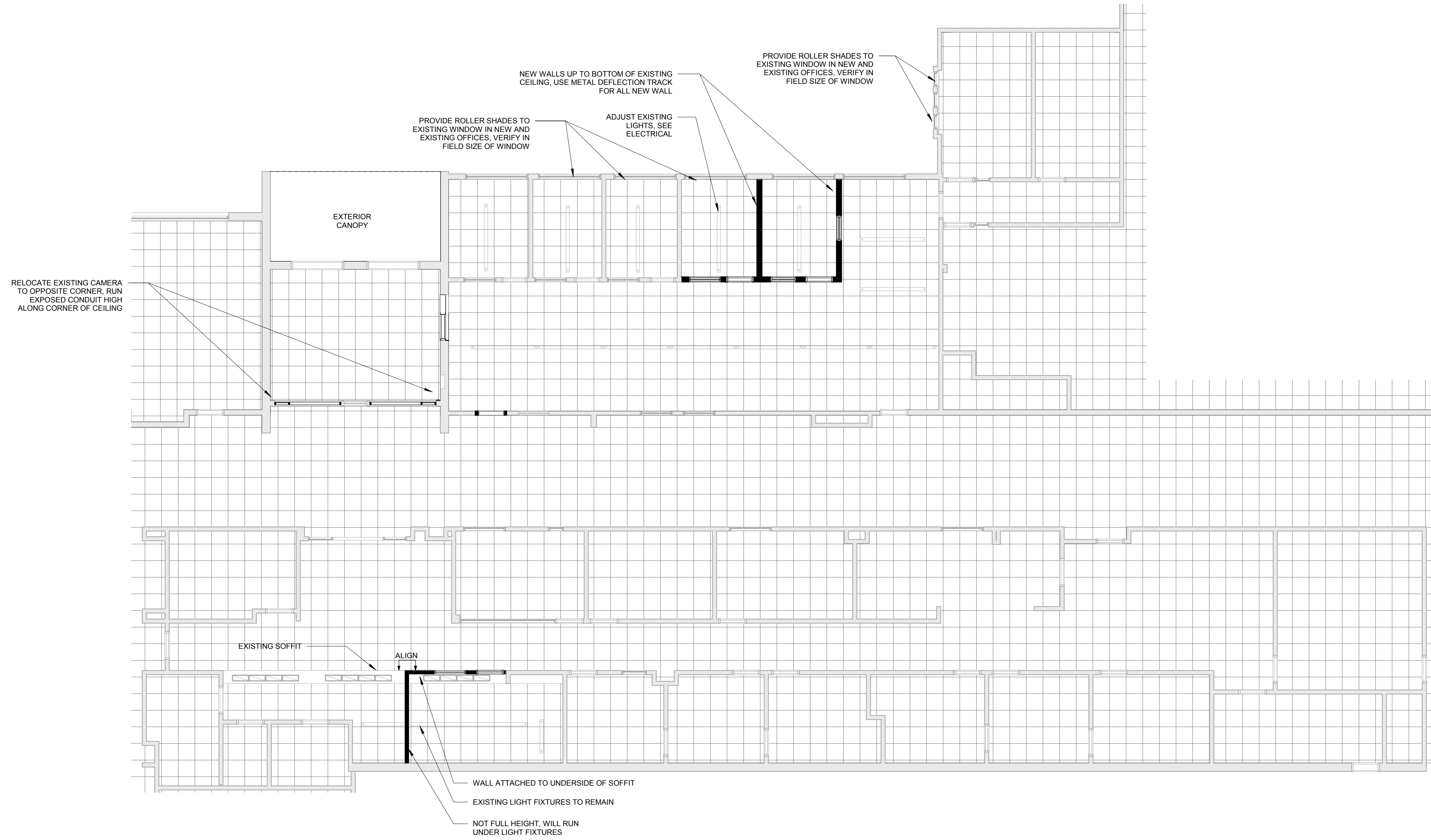
CONSTRUCTION DRAWING SET
4J SECURITY IMPROVEMENTS
PROJECT #: 2207
EUGENE SCHOOL DISTRICT 4J

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SOUTH - FLOOR PLANS

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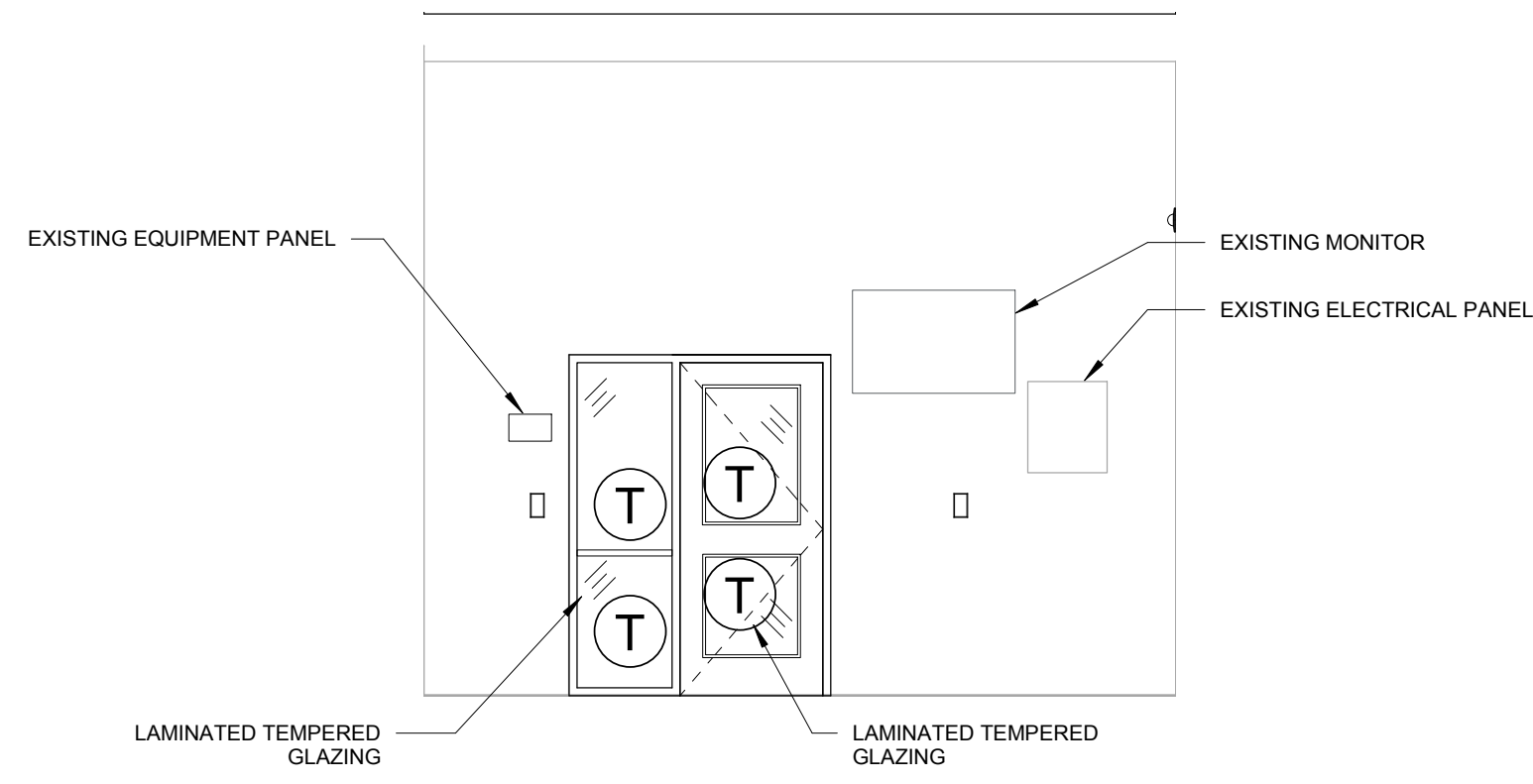
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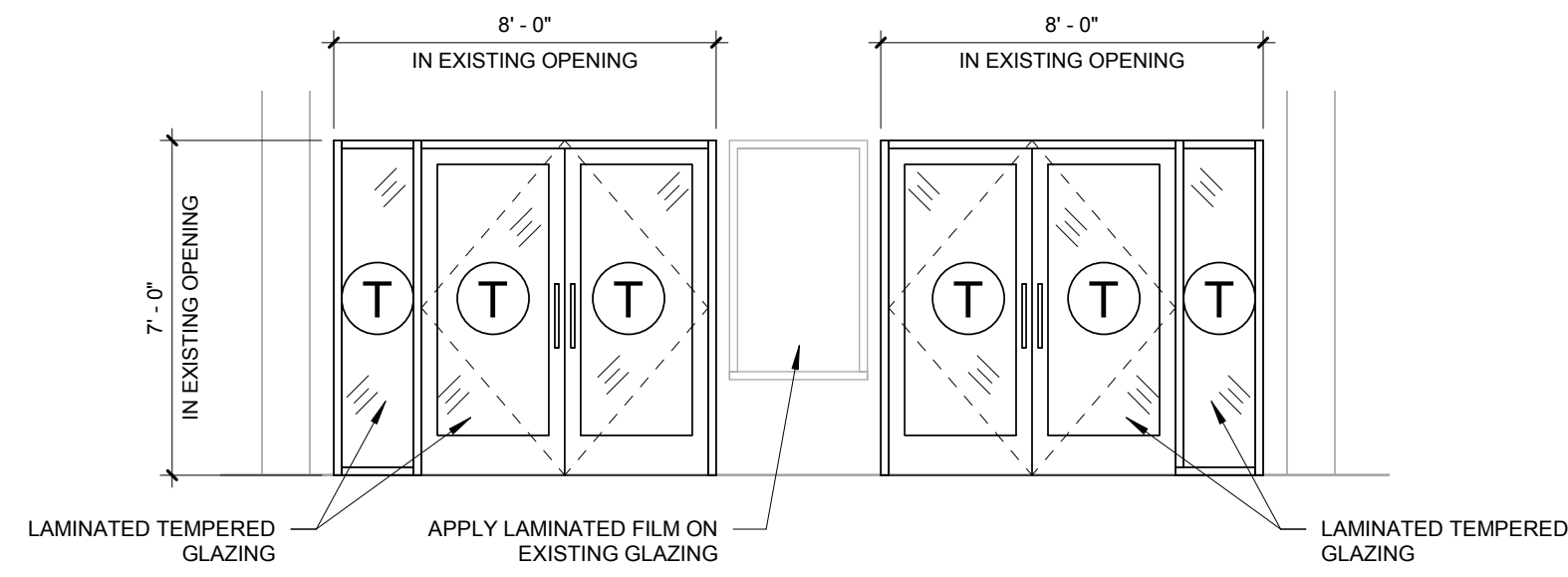


1 REFLECTED CEILING PLANS
1/8" = 1'-0"

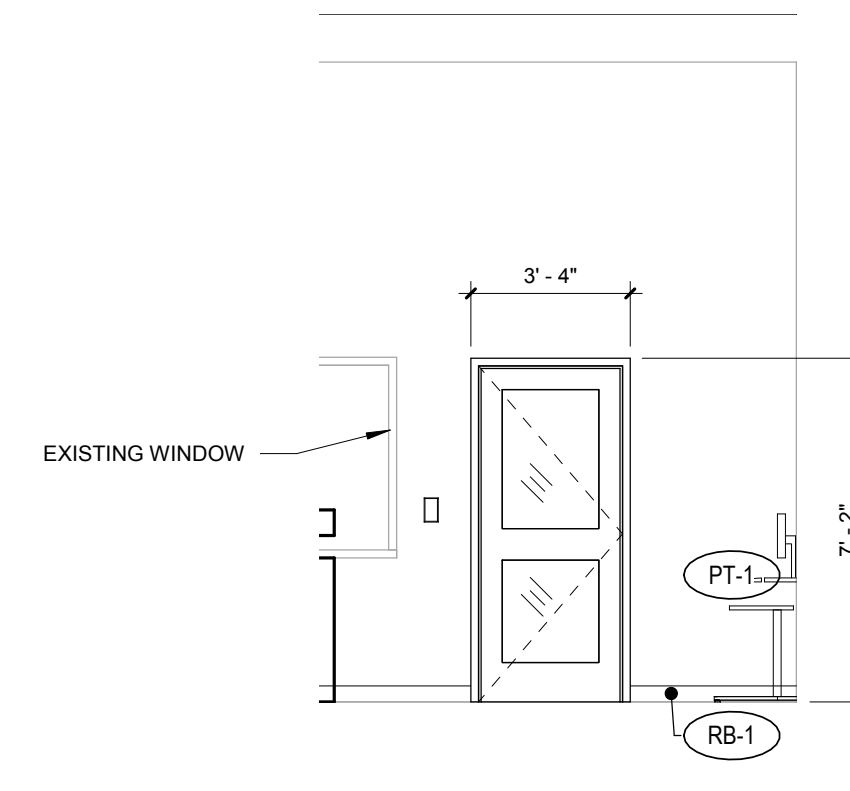




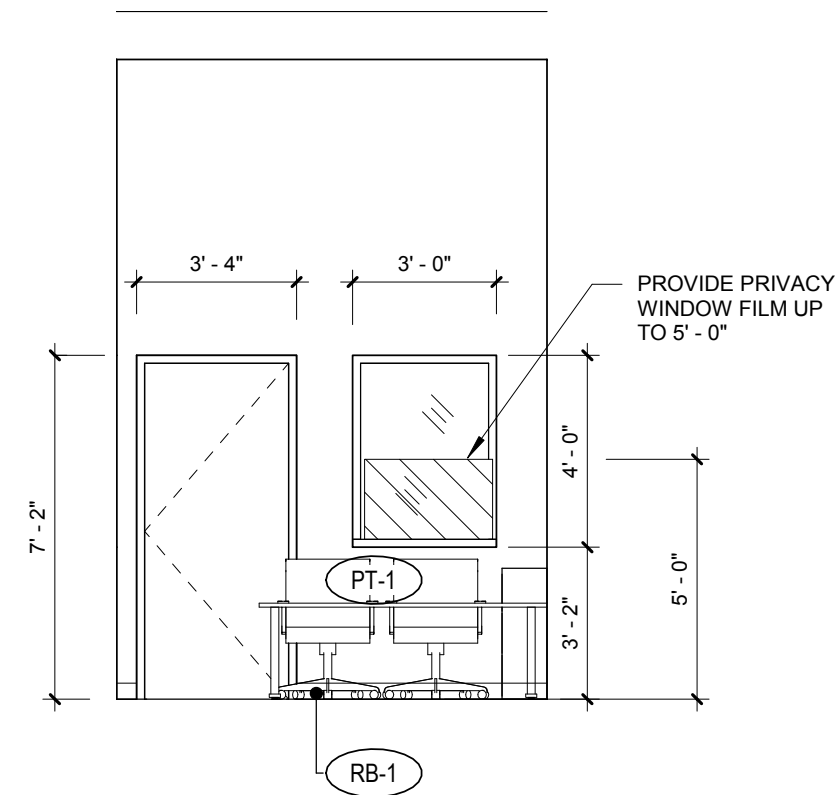
1 HS - SOUTH - VESTIBULE - E
1/4" = 1'-0"



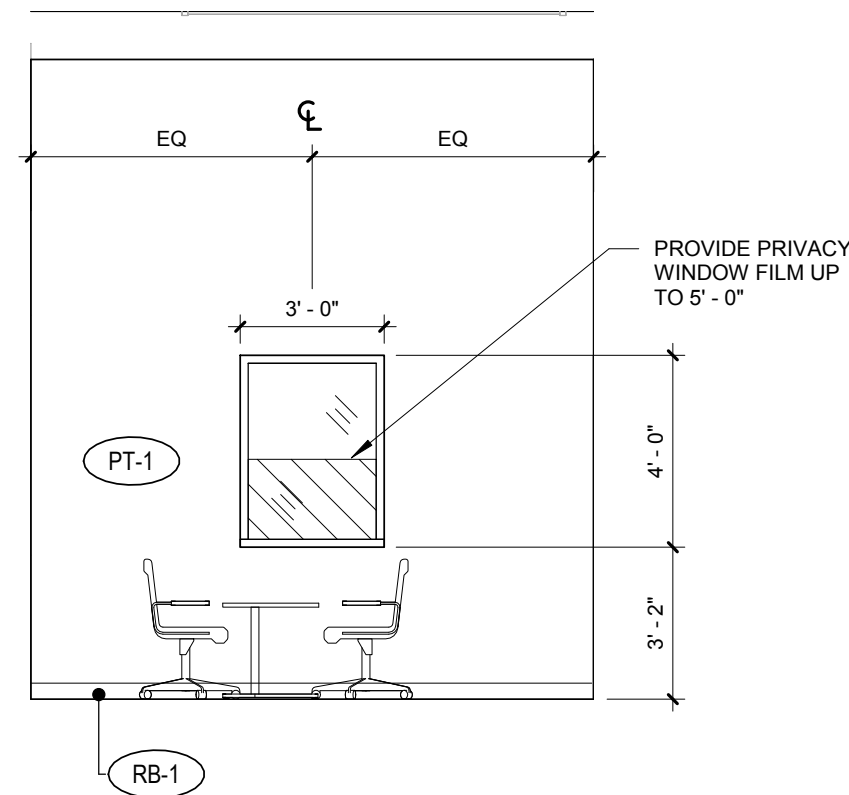
2 HS - SOUTH - VESTIBULE - S
1/4" = 1'-0"



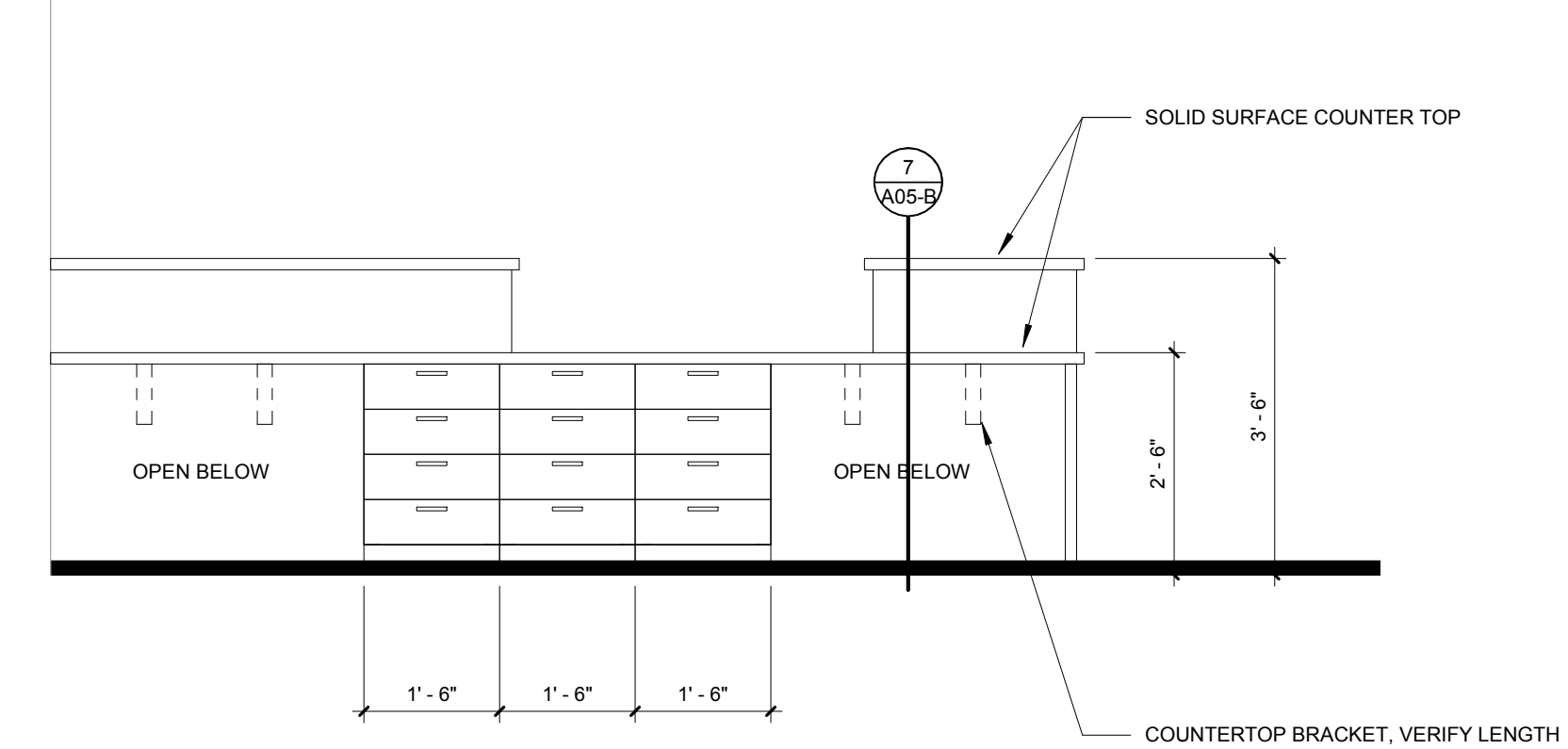
3 HS - SOUTH - MAIN OFFICE - S
1/4" = 1'-0"



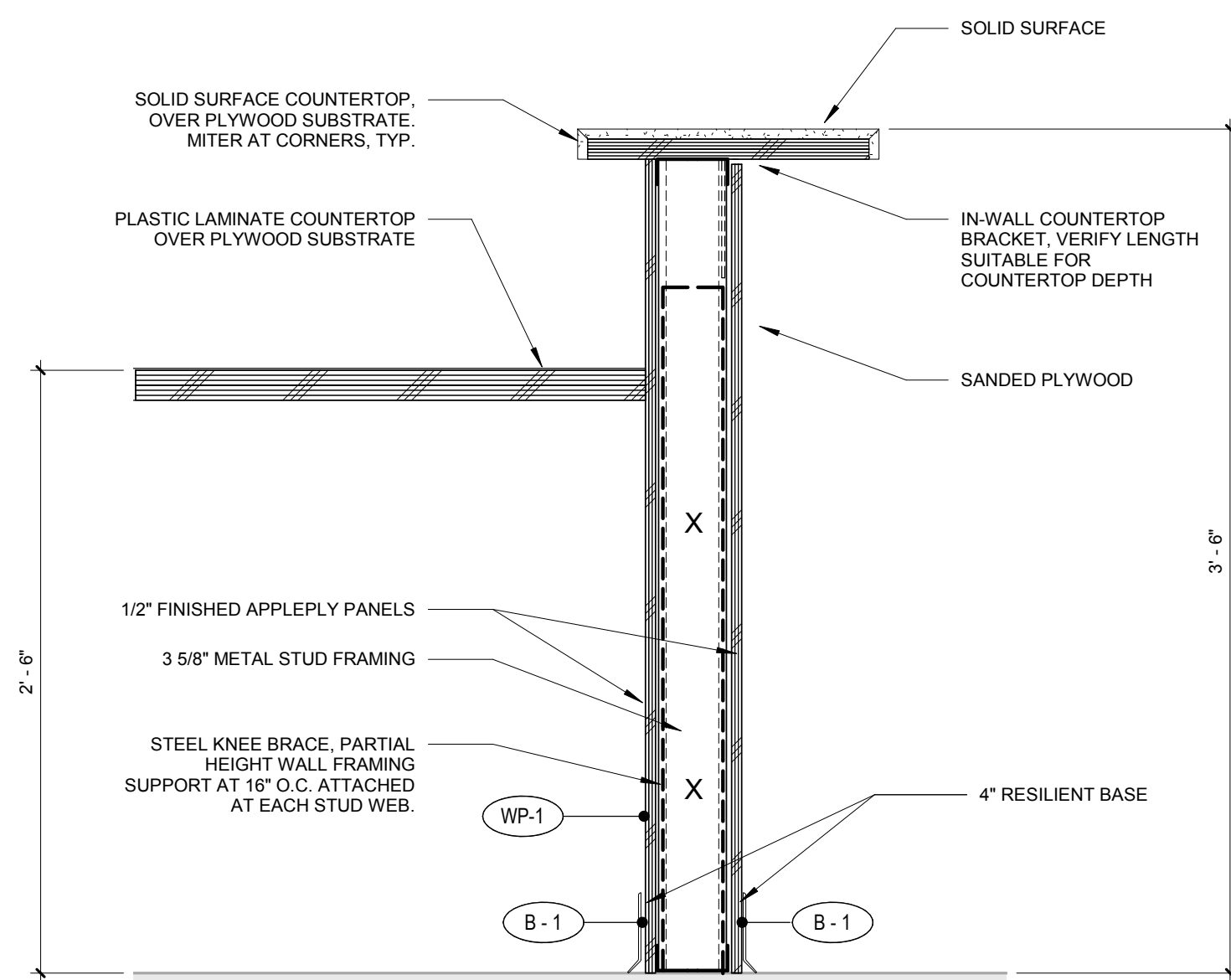
4 HS - SOUTH - OFFICE - S
1/4" = 1'-0"



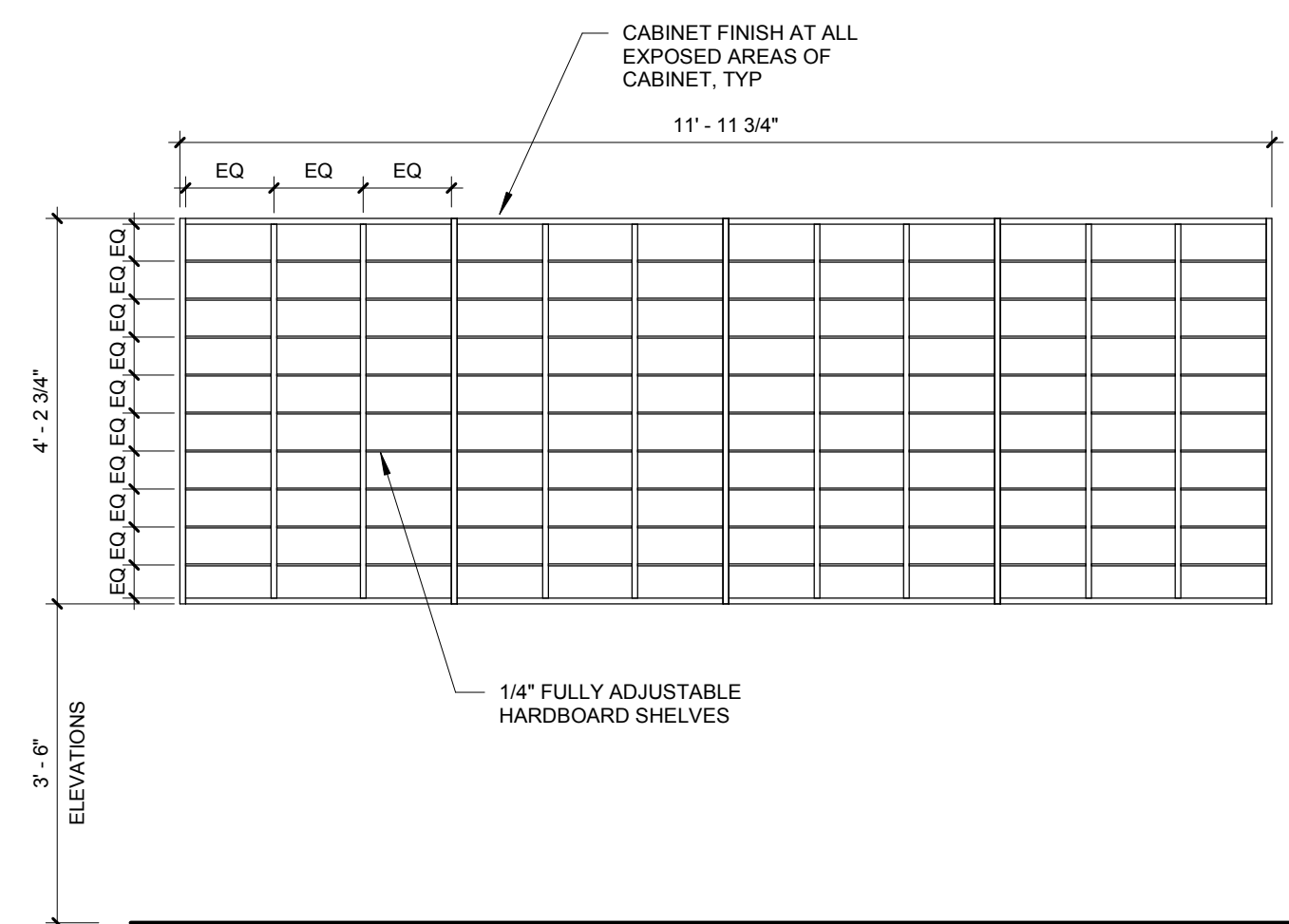
5 HS - SOUTH - OFFICE - W
1/4" = 1'-0"



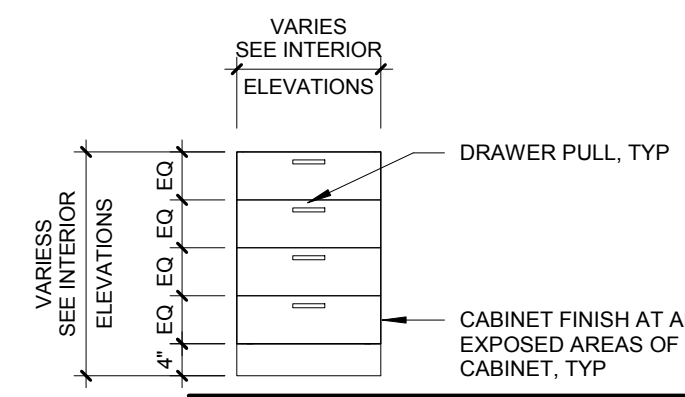
6 CASEWORK
1/2" = 1'-0"



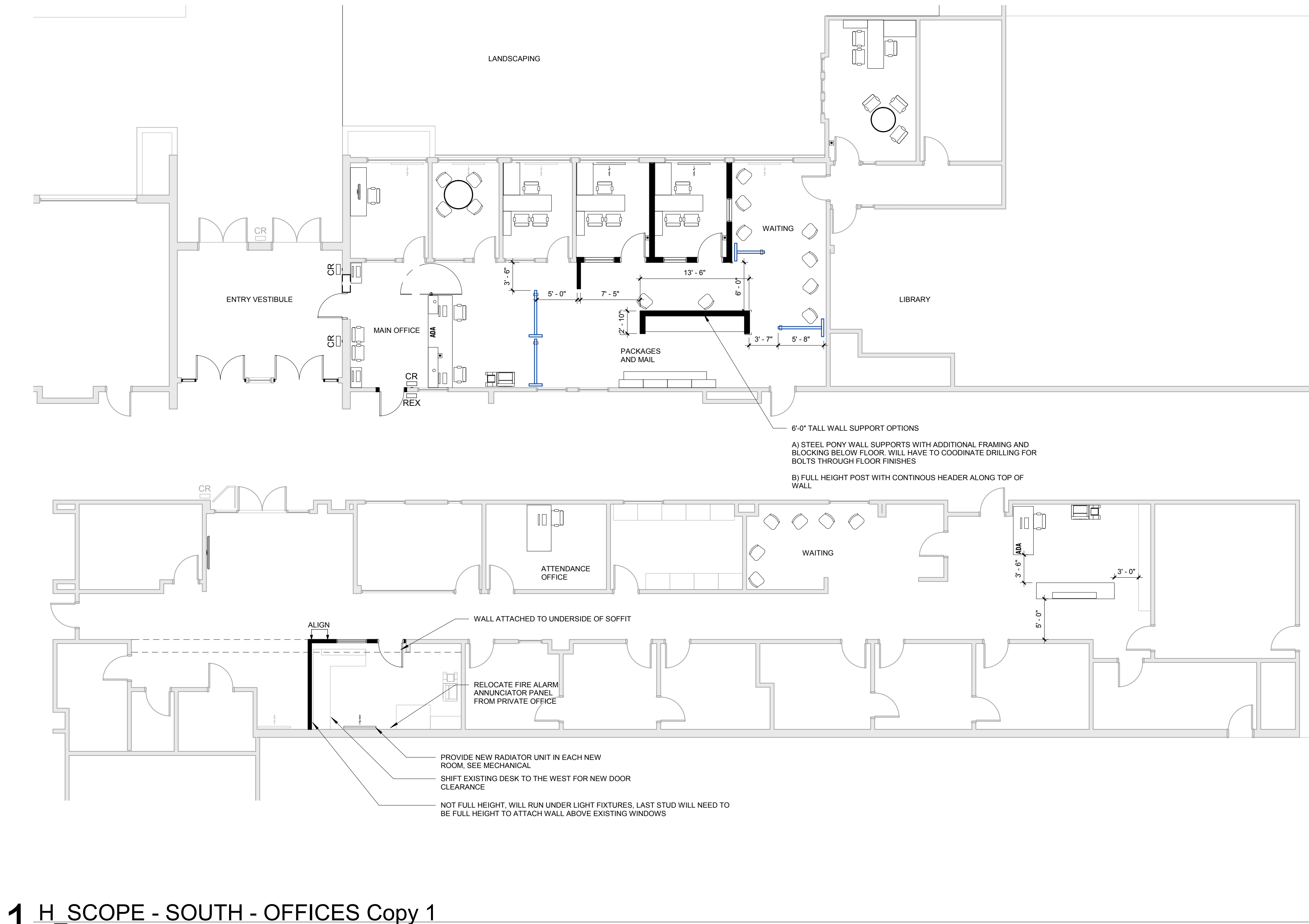
7 CASEWORK
1 1/2" = 1'-0"



UPPER CABINET
UPPER CABINET WITH MAILBOX SLOTS



BASE CABINET
BASE CABINET WITH 4 EQUAL SIZED DRAWERS



1 H_SCOPE - SOUTH - OFFICES Copy 1
1/8" = 1'-0"

INSTALLATION NOTES - ELECTRICAL

- BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BID.
- MOUNT SURFACE RACEWAYS USING MECHANICAL MOUNTING SYSTEMS AND FASTENERS. MOUNTING THROUGH THE USE OF ADHESIVE IS NOT PERMISSIBLE.
- INCREASE CONDUCTOR SIZES ON 20A 120V-1 PHASE CIRCUITS EXCEEDING 100 FEET TO CENTER OF LOAD TO ACCOUNT FOR VOLTAGE DROP.
- 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.
- LIGHT FIXTURES, SWITCHES, DEVICES, ETC. ARE SHOWN IN PREFERRED LOCATION. MODIFY CONDUIT, HANGERS, CIRCUITING, ETC. TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
- PROVIDE A DEDICATED GREEN INSULATED GROUND CONDUCTOR TO ALL DEVICES. DO NOT USE CONDUIT SYSTEM AS THE ONLY EQUIPMENT GROUNDING METHOD.
- DO NOT INSTALL BOXES BACK-TO-BACK ON OPPOSITE SIDES OF THE SAME WALL. MAINTAIN MINIMUM OF 8" DISTANCE BETWEEN BOXES WHEREVER APPLICABLE.
- BALANCE PANEL LOADS DURING INSTALLATION. CIRCUIT NUMBERING SHOWN ON PLANS MAY BE ADJUSTED TO ACCOMMODATE.
- 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.
- 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

- PROVIDE NORMAL WIRING DEVICES AS **WHITE / ALMOND / GRAY / BLACK** UNLESS OTHERWISE NOTED.
- PROVIDE DEVICES COVER PLATES AS **PLASTIC / STAINLESS STEEL**. MATCH WIRING DEVICES COLOR.
- PROVIDE GFCI TYPE RECEPTACLES AT ALL LOCATIONS REQUIRED BY THE NEC.
- INSTALL WALL MOUNTED RECEPTACLES AT +18" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
- 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".
- INSTALL ABOVE COUNTERTOP RECEPTACLES +8" ABOVE COUNTERTOP OR AS OTHERWISE INDICATED.
- AT A COMMON COUNTERTOP, INSTALL ALL RECEPTACLES AND SWITCHES AT THE SAME HEIGHT UNLESS OTHERWISE SPECIFICALLY INDICATED.

INSTALLATION NOTES - LIGHTING

- 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.
- 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.
- 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.
- 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

- REFER TO EQUIPMENT CONNECTION SCHEDULE FOR COORDINATION DETAILS BETWEEN MECHANICAL AND ELECTRICAL SYSTEMS.
- 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.
- 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.
- 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.
 - 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.
- PROVIDE HEAVY DUTY TYPE DISCONNECTS RATED FOR THE INSTALLED ENVIRONMENT. PROVIDE MINIMUM NEMA 3R RATED DISCONNECTS FOR EXTERIOR INSTALLATIONS OR AS NOTED.
- 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

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

ELECTRICAL ABBREVIATIONS

A	DEVICE MOUNTED +8" ABOVE COUNTER TOP (VERIFY LOCATION)	NIC	NOT IN CONTRACT
AFF	ABOVE FINISHED FLOOR	NM	NONMETALLIC
ATS	AUTOMATIC TRANSFER SWITCH	NTS	NOT TO SCALE
C	CEILING	OC	ON CENTER
CB	CIRCUIT BREAKER	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CT	CURRENT TRANSFORMER	OFOI	OWNER FURNISHED, OWNER INSTALLED
E	EXISTING ITEM TO REMAIN	R	EXISTING ITEM TO BE REMOVED
EC	ELECTRICAL CONTRACTOR	RR	EXISTING ITEM TO BE REMOVED AND RELOCATED
EM	EMERGENCY LIGHT FIXTURE	RN	EXISTING ITEM TO BE REMOVED AND REPLACED WITH NEW
ER	NEW LOCATION OF EXISTING ITEM ROUGH IN FOR FUTURE DEVICE	SCCR	SHORT CIRCUIT CURRENT RATING
F	FIRE ALARM ANNUNCIATOR PANEL	T	TAMPER PROOF DEVICE
FAAP	FIRE ALARM ANNUNCIATOR PANEL	TCC	TEMPERATURE CONTROL CONTRACTOR
FACP	FIRE ALARM CONTROL PANEL	TV	TELEVISION
FSD	FIRE SMOKE DAMPER	TYP	TYPICAL
G	GROUND FAULT CIRCUIT INTERRUPTER	UPS	UNINTERRUPTIBLE POWER SUPPLY
GND	GROUND	V	VOLTS
KVA	KILO-VOLT-AMPERES	VVA	VOLT-AMPERES
KW	KILOWATTS	WG	WIREGUARD COVER
MC	MECHANICAL CONTRACTOR	WP	WEATHERPROOF DEVICE
MCB	MAIN CIRCUIT BREAKER	WR	WEATHER RESISTANT DEVICE
MDF	MAIN DISTRIBUTION PANEL	+24"	INDICATES MOUNTING HEIGHT CENTER LINE OF DEVICE TO FINISHED FLOOR
MLO	MAIN LUGS ONLY		
N	NEW DEVICE IN EXISTING LOCATION		

GENERAL NOTES - ELECTRICAL

- 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.
- 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

- PROVIDE ELECTRICAL INSTALLATION IN ACCORDANCE WITH ALL LOCAL, STATE, AND NATIONAL CODES.
- 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.
- INSTALLATION SHALL FOLLOW REQUIREMENTS OF THE ADAAG - AMERICANS WITH DISABILITIES ACT.
- REFER TO PROJECT MANUAL AND PROJECT CODE REVIEW SHEET FOR LIST OF APPLICABLE CODES.

DEMOLITION AND RENOVATION NOTES - ELECTRICAL

- 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.
- PROVIDE EQUIPMENT, LABOR, AND MATERIALS TO REMOVE ELECTRICAL FACILITIES AND CLEAR THE AREA TO RECEIVE THE NEW WORK PROVIDED UNDER THIS CONTRACT.
- 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.
- REMOVE CONDUITS, BOXES, ETC., AS REQUIRED BY WALL, CEILING, AND ADJACENT COMPONENTS DEMOLITION. REMOVE EXISTING WIRE UNLESS OTHERWISE NOTED.
- 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.
- IDENTIFY DISCONNECTED BRANCH CIRCUIT LOCATION OR ITEM SERVED BEFORE DISCONNECTION. UPDATE PANEL/EQUIPMENT DIRECTORY ACCORDINGLY.
- MAINTAIN CIRCUITS SERVING AREAS BEYOND THE DEMOLITION AREA. EXTEND NEW WIRING AND BYPASS DEMOLISHED DEVICES TO MAINTAIN EXISTING CIRCUITS.
- 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.
- INSTALL BLANK COVER PLATES OVER OPENING AT REMOVED DEVICE LOCATIONS. THIS INCLUDES BUT IS NOT LIMITED TO, CLOCKS, RECEPTACLES, SWITCHES, JUNCTION BOXES, ETC.
- PROVIDE CUTTING AND PATCHING OF EXISTING MATERIALS AS REQUIRED FOR THE PROPER COMPLETION OF THE DEMOLITION WORK AND THE INSTALLATION OF THE NEW WORK.
- 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.
- EQUIPMENT AND SYSTEM THAT ARE REMOVED REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE NOTED. DISPOSE OF ALL MATERIALS NOT SALVAGED BY THE OWNER.
- 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

- 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

	RECESSED LIGHT FIXTURE, LETTER INDICATES SWITCH LEG (TYPICAL), SHADING INDICATES EMERGENCY LIGHT (TYPICAL)
	ROUND LIGHT FIXTURE - SURFACE MOUNTED
	SQUARE LIGHT FIXTURE - SURFACE MOUNTED
	PENDANT MOUNTED LIGHT FIXTURE
	ROUND APERTURE RECESSED DOWNLIGHT FIXTURE, ARROW INDICATES WALLWASH
	SQUARE APERTURE RECESSED DOWNLIGHT FIXTURE, ARROW INDICATES WALLWASH
	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, ELEVATION AS NOTED.
	EMERGENCY LIGHT FIXTURE, WALL MOUNT, +96" OR AS NOTED
	EMERGENCY LIGHT FIXTURE, CEILING MOUNT
	EXIT SIGN, WALL MOUNT +96", SHADED AREAS INDICATE NUMBER OF FACES, ARROWS INDICATE SIGN ARROWS
	EXIT SIGN, CEILING MOUNT, SHADED AREAS INDICATE NUMBER OF FACES, ARROWS INDICATE SIGN ARROWS
	COMBINATION EXIT SIGN & EMERGENCY LIGHT, WALL MOUNT +96", SHADED AREAS INDICATE NUMBER OF FACES, ARROWS INDICATE SIGN ARROWS
	COMBINATION EXIT SIGN & EMERGENCY LIGHT, CEILING MOUNT, SHADED AREAS INDICATE NUMBER OF FACES, ARROWS INDICATE SIGN ARROWS
	EXTERIOR LIGHT FIXTURE, WALL MOUNT +10', OR AS NOTED
	INTERIOR LIGHT FIXTURE, WALL MOUNT
	EXTERIOR POLE MOUNTED LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
	BOLLARD LIGHT FIXTURE
	EXTERIOR FLOOD LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
	EMERGENCY REMOTE HEAD LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
	CEILING FAN
	SINGLE POLE SWITCH, WALL MOUNT +48", OR AS NOTED, LETTER INDICATES SWITCH LEG
	THREE WAY SWITCH, WALL MOUNT +48", OR AS NOTED, LETTER INDICATES SWITCH LEG
	PILOT LIGHT SWITCH, WALL MOUNT +48", OR AS NOTED, LETTER INDICATES SWITCH LEG
	DIMMER SWITCH, WALL MOUNT +48", OR AS NOTED, LETTER INDICATES SWITCH LEG
	LIGHTING CONTROLS LOW VOLTAGE SWITCH, WALL MOUNT +48", OR AS NOTED, LETTER INDICATES SWITCH LEG, REFER TO LIGHTING CONTROLS SCHEDULE
	OCCUPANCY SENSOR, WALL MOUNT +48" OR AS NOTED, NUMBER INDICATES TYPE, LETTER INDICATES SWITCH LEG, REFER TO LIGHTING CONTROLS SCHEDULE
	OCCUPANCY SENSOR, CEILING MOUNT, NUMBER INDICATES TYPE, LETTER INDICATES SWITCH LEG, REFER TO LIGHTING CONTROLS SCHEDULE
	DAYLIGHTING SENSOR, CEILING MOUNT, NUMBER INDICATES TYPE, LETTER INDICATES SWITCH LEG, REFER TO LIGHTING CONTROLS SCHEDULE
	LIGHTING CONNECTION, REFER TO LIGHTING FIXTURE SCHEDULE FOR FIXTURE DESCRIPTION
	EMERGENCY TRANSFER DEVICE
	LIGHTING CONTACTOR
	RELAY
	PHOTOCELL
	ROOMZONE CONTROLLER, MOUNT ABOVE ACCESSIBLE CEILING

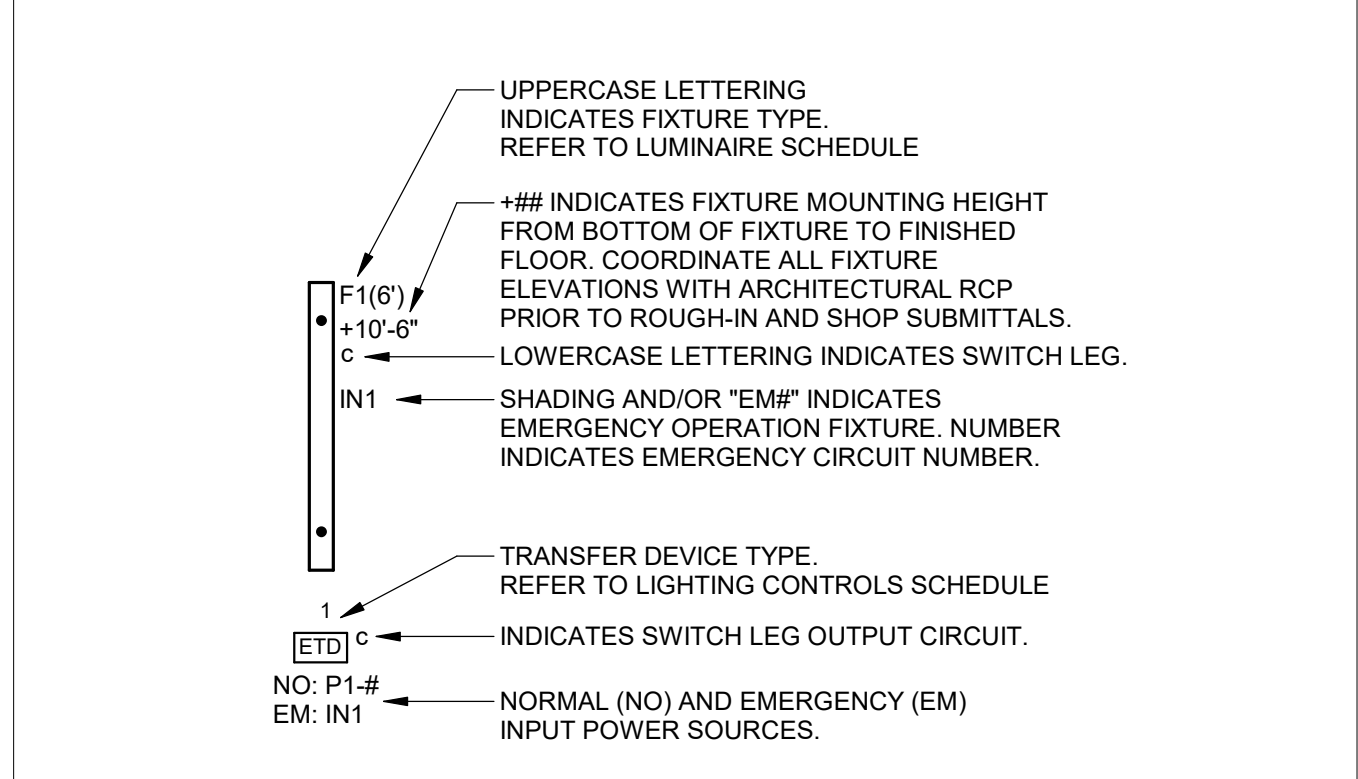
GENERAL SYMBOLS

	CONDUIT SLEEVE
	CONDUIT UP, REFER TO TAG ON DRAWING FOR SIZE
	CONDUIT DOWN, REFER TO TAG ON DRAWING FOR SIZE
	JUNCTION BOX, CEILING OR FLOOR MOUNTED.
	JUNCTION BOX, WALL MOUNTED, ELEVATION AS NOTED.
	CIRCUIT HOMERUN, CONCEALED CONDUIT OR CABLE
	CIRCUIT HOMERUN, UNDER FLOOR CONDUIT OR CABLE
	KITCHEN EQUIPMENT TAG NUMBER, REFER TO KITCHEN EQUIPMENT CONNECTION SCHEDULE
	KEYNOTE
	EQUIPMENT IDENTIFICATION TAG. REFER TO EQUIPMENT CONNECTION SCHEDULE
	DETAIL DRAWING REFERENCE TAG, SIM-SIMILAR, TYP-TYPICAL, OPP-OPPOSITE SHEET REFERENCE
	SECTION CUT REFERENCE TAG, SIM-SIMILAR, TYP-TYPICAL, OPP-OPPOSITE SHEET REFERENCE
	INTERIOR ELEVATION DRAWING REFERENCE TAG

POWER SYMBOLS

	DUPLEX RECEPTACLE, TAMPER-RESISTANT, WALL MOUNT +18", OR AS NOTED
	QUADRAPLEX RECEPTACLE, TAMPER-RESISTANT, WALL MOUNT +18", OR AS NOTED
	QUADRAPLEX GFCI RECEPTACLE, TAMPER-RESISTANT, WALL MOUNT +18", OR AS NOTED
	SPECIAL RECEPTACLE, WALL MOUNT +18", OR AS NOTED, REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE FOR RECEPTACLE TYPE
	SPECIAL RECEPTACLE, CEILING MOUNT, REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE FOR RECEPTACLE TYPE
	EQUIPMENT CONNECTION, REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION TYPE
	EQUIPMENT CONNECTION, WALL MOUNT +18", OR AS NOTED, REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION TYPE
	DOOR PUSH BUTTON (WEATHERPROOF), +48" OR AS NOTED
	POWER / DATA POLE
	PANELBOARD - SURFACE MOUNTED
	PANELBOARD - RECESSED IN WALL

LIGHTING PLANS NOTATION KEY



NOTE: ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT

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 ¾" 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

PROVISION RESPONSIBILITIES DEFINED	OFOI	OFCI	CFCI	CFOI
COMMUNICATIONS - TELECOM SYSTEMS:				
ROUGH-IN, PATHWAYS AND SLEEVES			●	
RACKS, FRAMES AND ENCLOSURES	N/A	N/A	N/A	N/A
CABLE MANAGEMENT	N/A	N/A	N/A	N/A
UNINTERRUPTIBLE POWER SUPPLIES (RACK MOUNT)	N/A	N/A	N/A	N/A
PLYWOOD BACKBOARDS			●	
COPPER BACKBONE CABLING	N/A	N/A	N/A	N/A
OPTICAL FIBER BACKBONE CABLING	N/A	N/A	N/A	N/A
COAXIAL BACKBONE CABLING	N/A	N/A	N/A	N/A
COPPER HORIZONTAL CABLING			●	
OPTICAL FIBER HORIZONTAL CABLING	N/A	N/A	N/A	N/A
COAXIAL BACKBONE CABLING	N/A	N/A	N/A	N/A
DATA COMMUNICATIONS SWITCHES AND HUBS	N/A	N/A	N/A	N/A
DATA COMMUNICATIONS WIRELESS ACCESS POINTS	N/A	N/A	N/A	N/A
VOICE COMMUNICATIONS SWITCHING AND ROUTING EQUIPMENT	N/A	N/A	N/A	N/A
COMMUNICATIONS - AUDIO-VISUAL SYSTEMS:				
ROUGH-IN, PATHWAYS AND SLEEVES	N/A	N/A	N/A	N/A
PROJECTOR(S)	N/A	N/A	N/A	N/A
FLAT PANEL DISPLAY(S)	N/A	N/A	N/A	N/A
MULTI-TOUCH DISPLAY(S)	N/A	N/A	N/A	N/A
DISPLAY TECHNOLOGY MOUNTING HARDWARE	N/A	N/A	N/A	N/A
MEDIA PLAYER(S)	N/A	N/A	N/A	N/A
HEAD-END EQUIPMENT	N/A	N/A	N/A	N/A
COMMUNICATIONS - DISTRIBUTED SYSTEMS:				
ROUGH-IN, PATHWAYS AND SLEEVES	N/A	N/A	N/A	N/A
MASTER ANTENNA / COMMUNITY ANTENNA TELEVISION DISTRIBUTION	N/A	N/A	N/A	N/A
PUBLIC ADDRESS SYSTEM	N/A	N/A	N/A	N/A
SOUND MASKING / SPEECH PRIVACY SYSTEM	N/A	N/A	N/A	N/A
INTERCOMMUNICATIONS SYSTEM	N/A	N/A	N/A	N/A
WIRED / WIRELESS CLOCK SYSTEM	N/A	N/A	N/A	N/A
NURSE CALL / CODE BLUE SYSTEM	N/A	N/A	N/A	N/A
DISTRIBUTED ANTENNA SYSTEM	N/A	N/A	N/A	N/A
SECURITY - ACCESS CONTROL:				
ROUGH-IN, PATHWAYS AND SLEEVES			●	
SECURITY MANAGEMENT SYSTEM - HEAD END COMPONENTS			●	
SECURITY MANAGEMENT SYSTEM - FIELD DEVICES (1)			●	
SECURITY MANAGEMENT SYSTEM - ELECTRIFIED DOOR HARDWARE			●	
SECURITY MANAGEMENT SYSTEM - ALL CABLING			●	
SECURITY - AIPHONE VIDEO INTERCOM:				
ROUGH-IN, PATHWAYS AND SLEEVES			●	
DOOR STATION(S)			●	
HEAD END EQUIPMENT AND COMPONENTS			●	
SECURITY - VIDEO SURVEILLANCE:				
ROUGH-IN, PATHWAYS AND SLEEVES			●	
CAMERA(S)	N/A	N/A	N/A	N/A
HEAD END EQUIPMENT AND COMPONENTS	N/A	N/A	N/A	N/A
SECURITY - INTRUSION DETECTION:				
ROUGH-IN, PATHWAYS AND SLEEVES			●	
FIELD DEVICES (MOTION DETECTORS, GLASS BREAKS, DOOR SWITCHES)			●	
HEAD END EQUIPMENT AND COMPONENTS			●	
SAFETY - FIRE DETECTION AND ALARM:				
ROUGH-IN, PATHWAYS AND SLEEVES			●	
INITIATING FIELD DEVICES (SMOKE, MANUAL PULL, MONITOR MODULES)			●	
NOTIFICATION APPLIANCES (HORNS, STROBES, SPEAKERS)			●	
MISCELLANEOUS DEVICES (RELAYS, TEST STATION, ANNUNCIATOR)			●	
●	OFOI	OWNER FURNISHED & OWNER INSTALLED		
●	OFCI	OWNER FURNISHED & CONTRACTOR INSTALLED		
●	CFCI	CONTRACTOR FURNISHED & CONTRACTOR INSTALLED		
●	CFOI	CONTRACTOR FURNISHED & OWNER INSTALLED		
GENERAL NOTE:				
A. 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.				
B. REFER TO COVER SHEET GENERAL NOTES FOR ADDITIONAL SYSTEM DESCRIPTIONS AND ANTICIPATED SCOPE OF WORK.				
KEYNOTES:				
1. HID CARD READERS ARE OFCI. ALL OTHER FIELD DEVICES ARE CFCI UNLESS NOTED OTHERWISE.				

FIRE DETECTION AND ALARM SYMBOLS

	MANUAL FIRE ALARM PULL STATION
	SMOKE DETECTOR
	COMBINATION SPEAKER WITH STROBE - WALL MOUNTED
	COMBINATION SPEAKER WITH STROBE - CEILING MOUNTED
	STROBE - WALL MOUNTED
	STROBE - CEILING MOUNTED
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM NAC PANEL
	FIRE ALARM CONTROL PANEL + EMERGENCY COMMUNICATIONS PANEL

VIDEO SURVEILLANCE SYMBOLS

	VIDEO SURVEILLANCE CAMERA
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ACCESS CONTROL & INTRUSION DETECTION SYMBOLS

	PROXIMITY CARD READER, +44" OR AS NOTED (OFCI)
	COMBINATION PROXIMITY CARD READER WITH PINPAD, +44" OR AS NOTED (OFCI)
	DOOR POSITION SWITCH - FLUSH MOUNTED, DOUBLE POLE DOUBLE THROW (DPDT)
	DOOR POSITION SWITCH - SURFACE MOUNTED, DOUBLE POLE DOUBLE THROW (DPDT)
	ELECTRIC STRIKE - FLUSH OR SURFACE MOUNTED
	ELECTRIFIED EXIT DEVICE (PANIC HARDWARE)
	REQUEST TO EXIT PUSHBUTTON, +44" OR AS NOTED
	MOMENTARY DOOR RELEASE PUSHBUTTON (OFCI)
	LOCKOUT TOGGLE SWITCH, +46" OR AS NOTED
	LOCKDOWN TOGGLE SWITCH, +46" OR AS NOTED
REFER TO ACCESS CONTROL DETAILS FOR ADDITIONAL DEVICE REQUIREMENTS	

TELECOMMUNICATIONS INFRASTRUCTURE SYMBOLS

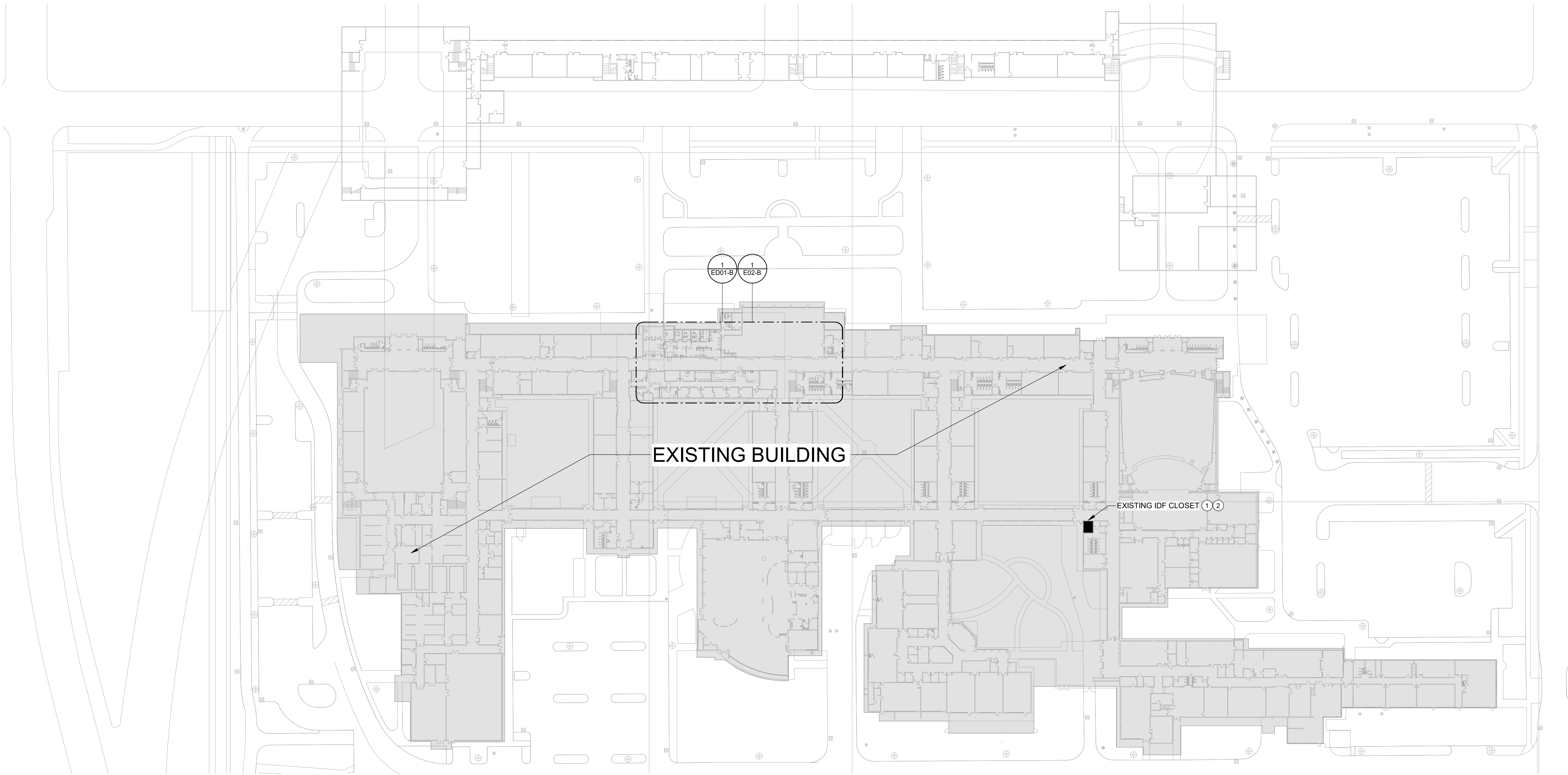
	DATA OUTLET - CATEGORY 6A: PROVIDE NUMBER OF CABLES INDICATED BY '#' SHOWN AT EACH SYMBOL.
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GENERAL SYMBOLS

	CONDUIT SLEEVE
	CONDUIT UP, REFER TO TAG ON DRAWING FOR SIZE
	CONDUIT DOWN, REFER TO TAG ON DRAWING FOR SIZE
	JUNCTION BOX, CEILING OR FLOOR MOUNTED.
	JUNCTION BOX, WALL MOUNTED, ELEVATION AS NOTED.
	KEYNOTE
	DETAIL DRAWING REFERENCE TAG, SIM-SIMILAR, TYP-TYPICAL, OPP-OPPOSITE SHEET REFERENCE
	INTERIOR ELEVATION DRAWING REFERENCE TAG

1 S. EUGENE SITE PLAN - ELECTRICAL

1" = 60'-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.

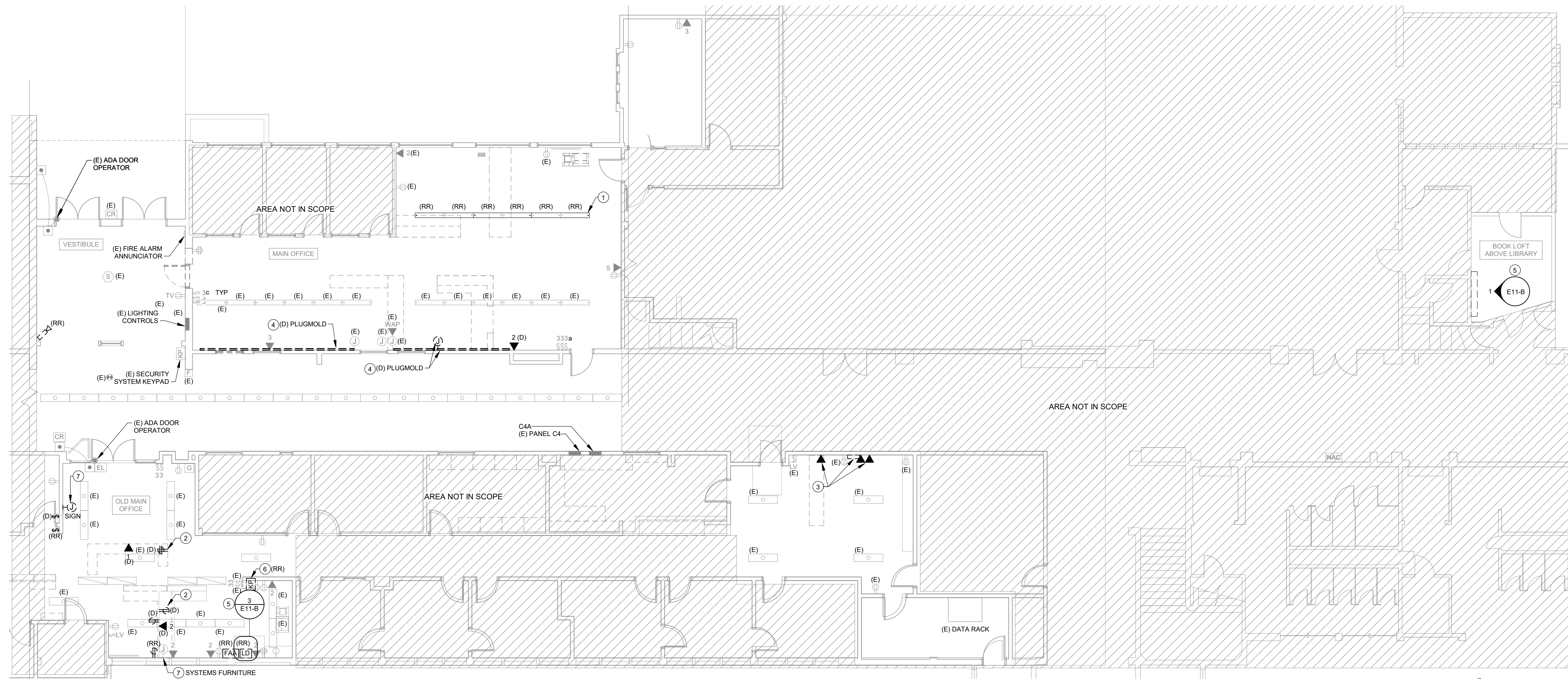


GENERAL NOTES

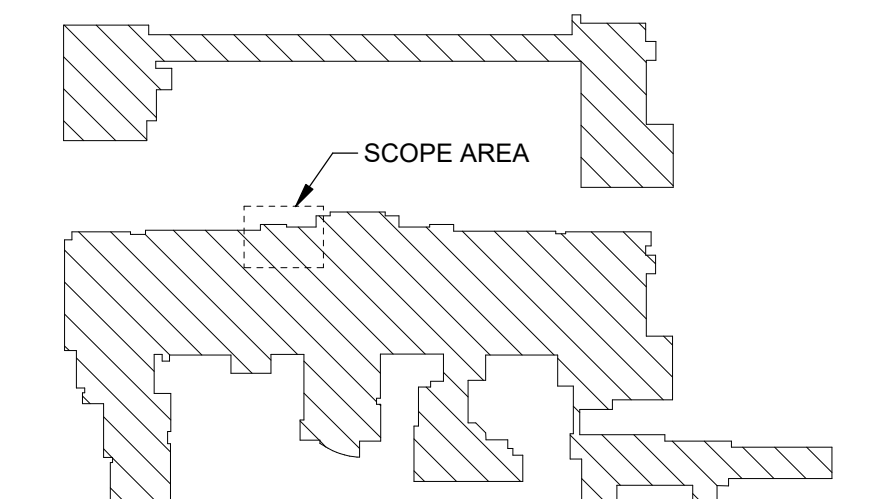
- A. REFER TO SHEET E00 AND E01 FOR PROJECT GENERAL NOTES.
- B. ABBREVIATIONS:
 - (E) EXISTING ITEM TO REMAIN
 - (ER) NEW LOCATION OF EXISTING ITEM
 - (N) NEW ITEM IN EXISTING LOCATION
 - (D) DEMOLISHED EXISTING ITEM, PATCH AND/OR COVER
 - (RN) REPLACE EXISTING WITH NEW
 - (RR) EXISTING ITEM TO BE REMOVED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

KEYNOTES

- 1 EXISTING LIGHTING FIXTURE TO BE CONFIGURED AS MULTIPLE SEPARATE LUMINAIRES. SEE 1/E101 FOR NEW CONFIGURATION. PROVIDE LUMINAIRE ENDCAPS AND APPURTENANCES TO MATCH EXISTING.
- 2 REMOVE ALL DEVICES MOUNTED IN CASEWORK TO BE DEMOLISHED. REMOVE DATA CABLING ENTIRELY BACK TO DATA RACK. REMOVE BRANCH CIRCUITS BACK TO NEAREST HOMERUN JUNCTION BOX. PATCH AND REPAIR FLOOR ANY ASSOCIATED FLOOR PENETRATIONS.
- 3 REMOVE ABANDONED DEVICES, CABLING, SURFACE RACEWAY, AND EQUIPMENT ENCLOSURES FROM THIS WALL. PATCH AND REPAIR SURFACES TO MATCH EXISTING FINISHES.
- 4 REMOVE EXISTING PLUGMOLD AND WIRING BACK TO JUNCTION BOX. MAINTAIN AND PROTECT BRANCH CIRCUIT FOR EXTENSION TO NEW DEVICES.
- 5 REFER TO THE CALLOUT VIEW FOR THE SCOPE OF WORK.
- 6 REMOVE EXISTING PINPAD AND RELOCATE TO NEW OFFICE. DISCONNECT AND PULL BACK EXISTING CABLING TO ABOVE CEILING. SPLICE/EXTEND TO REINSTALLED LOCATION.
- 7 DISCONNECT EXISTING EQUIPMENT CONNECTION. MAINTAIN AND PROTECT EXISTING BRANCH CIRCUIT FOR EXTENSION TO NEW POWER DEVICE. REFER TO NEW WORK PLAN FOR RECONNECTION.



1 S. EUGENE DEMO FLOOR PLAN - ELECTRICAL
 1/8" = 1'-0"
 0' 2' 4' 8' N



S. EUGENE H.S. KEY PLAN



KCL
 ENGINEERING
 199 E. 5th Ave,
 Suite 35
 Eugene OR 97401
 503-212-4612

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

SHEET TITLE:
S. EUGENE H.S. DEMO FLOOR PLANS - ELECTRICAL

REVISIONS:
 # DESCRP. DATE

ISSUE DATE: 03.15.23

ED01-B

GENERAL NOTES

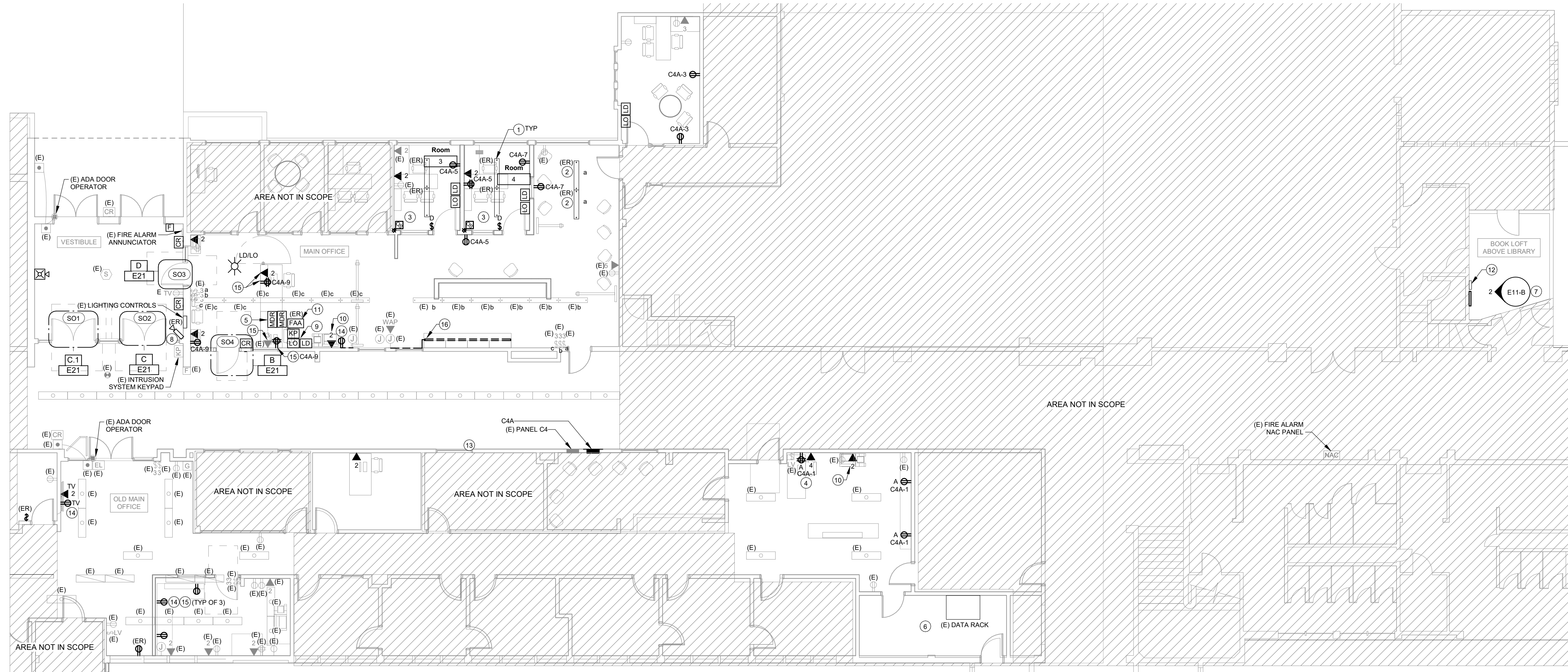
- A. REFER TO SHEET E00 AND E01 FOR PROJECT GENERAL NOTES.
- B. CIRCUIT ALL NEW DEVICES TO PANEL C4A AND ROUTE BRANCH CIRCUITS IN BASEMENT BELOW, UNLESS OTHERWISE NOTED.
- C. ABBREVIATIONS:
 (E) EXISTING ITEM TO REMAIN
 (ER) NEW LOCATION OF EXISTING ITEM
 (N) NEW ITEM IN EXISTING LOCATION
 (D) DEMOLISHED EXISTING ITEM, PATCH AND/OR COVER
 (RN) REPLACE EXISTING WITH NEW
 (RR) EXISTING ITEM TO BE REMOVED AND RELOCATED

KEYNOTES

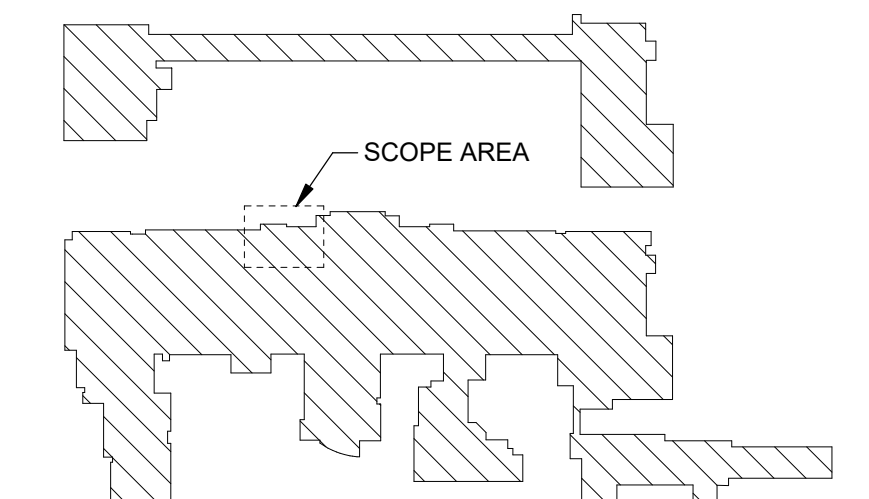
- 1 REMOVE EXISTING LUMINAIRE BALLAST AND RECONNECT LUMINAIRE LAMP BASE TERMINALS FOR LINE VOLTAGE CONNECTION TO NEW LED LAMP.
- 2 INTERCEPT AND EXTEND EXISTING LIGHTING CIRCUIT AND SWITCH LEGS TO RECONNECT RELOCATED LIGHTING TO EXISTING SWITCH.
- 3 INTERCEPT AND EXTEND EXISTING UNSWITCHED HOT OF EXISTING LIGHTING CIRCUIT TO SERVE RELOCATED LUMINAIRES. ROUTE THROUGH NEW WALL SWITCH FOR LOCAL CONTROL OF LIGHTING.
- 4 DEVICES TO SERVE NEW CASEWORK. COORDINATE FINAL LOCATIONS WITH OWNER PRIOR TO ROUGH-IN.
- 5 SURFACE MOUNT MOMENTARY DOOR RELEASE BUTTONS SERVING DOORS SO3 AND SO4 BELOW DESK COUNTERTOP. UTILIZE SURFACE RACEWAY CONCEALED BENEATH COUNTERTOP FROM SOUTH WALL 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 ROUTE NEW TELECOMMUNICATIONS CABLING TO EXISTING IDF RACK AND TERMINATE TO EXISTING PATCH PANELS.
- 7 REFER TO THE CALLOUT VIEW FOR THE SCOPE OF WORK.
- 8 REPELL NEW CATEGORY 6A CABLING FROM EXISTING IDF AND CONNECT, MATCH EXISTING CONDITIONS.

KEYNOTES

- 9 LOCATION OF EXISTING-REINSTALLED DEVICES AS ILLUSTRATED ON #3/E11-B, EXISTING-REINSTALLED PINPAD AND NEW LOCKOUT SWITCH. COORDINATE PLACEMENT WITH EXISTING CONDITIONS.
- 10 PROVIDE (1) CATEGORY 6A CABLE AND (1) POTS LINE TO COPIER.
- 11 RELOCATE FIRE ALARM ANNUNCIATOR TO NEW MAIN OFFICE. CONFIRM LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 12 PROVIDE NEW DMP 714-18T INTRUSION SYSTEM EXPANDER MODULE. REFER TO ELEVATION AND RISER DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- 13 INTERCEPT AND EXTEND DISCONNECTED BRANCH CIRCUIT MADE AVAILABLE DURING DEMOLITION TO SERVE NEW RECEPTACLE.
- 14 DEVICE MOUNTED IN CASEWORK. COORDINATE LOCATIONS AND INSTALLATION DETAILS WITH ARCHITECT PRIOR TO ROUGH-IN.
- 15 PROVIDE NEW PLUGMOLD MOUNTED TO CASEWORK, WIREMOLD 20GB606 OR APPROVED EQUIVALENT. INTERCEPT AND EXTEND SALVAGED CIRCUIT TO SERVE NEW PLUGMOLD. COORDINATE INSTALLATION LOCATION AND DETAILS WITH ARCHITECT PRIOR TO PROCUREMENT AND ROUGH-IN. PROVIDE MECHANICAL MOUNTING HARDWARE AND APPURTENANCES AS REQUIRED BY THE MANUFACTURE AND INSTALLATION CONDITIONS FOR A COMPLETE AND OPERABLE SYSTEM.



1 S. EUGENE FLOOR PLAN - ELECTRICAL
 1/8" = 1'-0"



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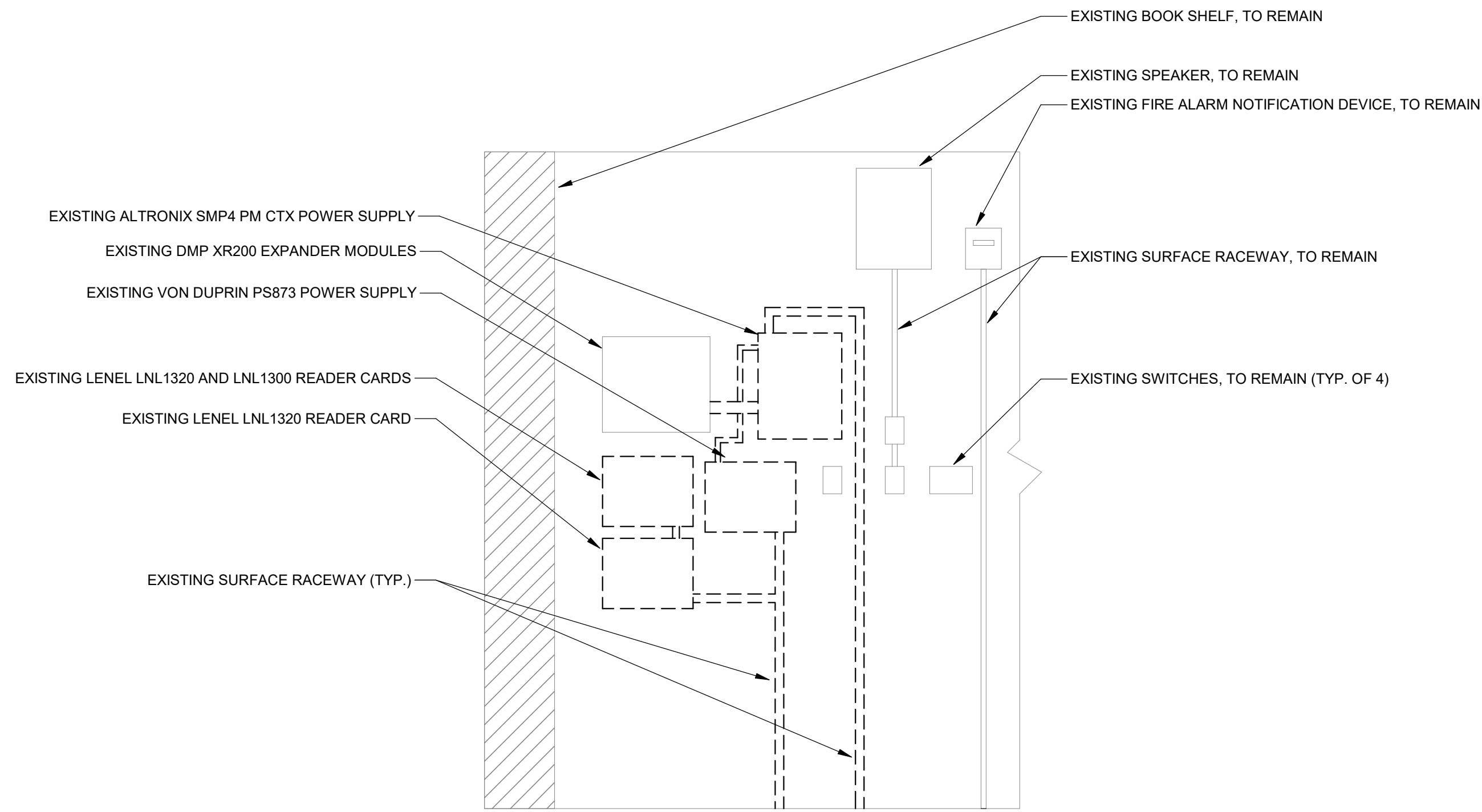
SHEET TITLE:
**S. EUGENE
 H.S. FLOOR
 PLANS -
 ELECTRICAL**

REVISIONS:

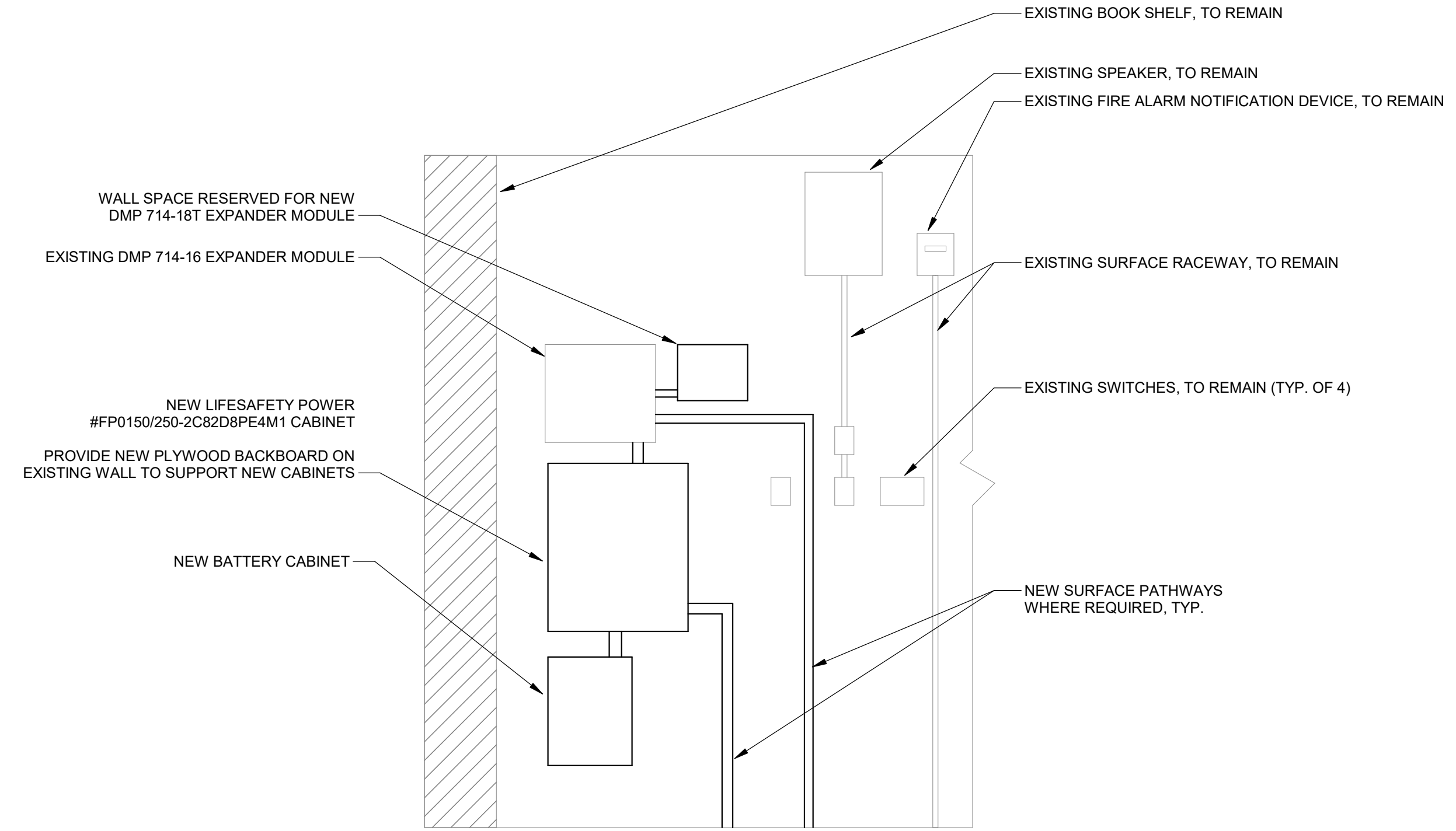
#	DESCRP.	DATE

ISSUE DATE: 03.15.23

E02-B



1 S. EUGENE BOOK LOFT ELEVATION - DEMOLITION
3/4" = 1'-0"

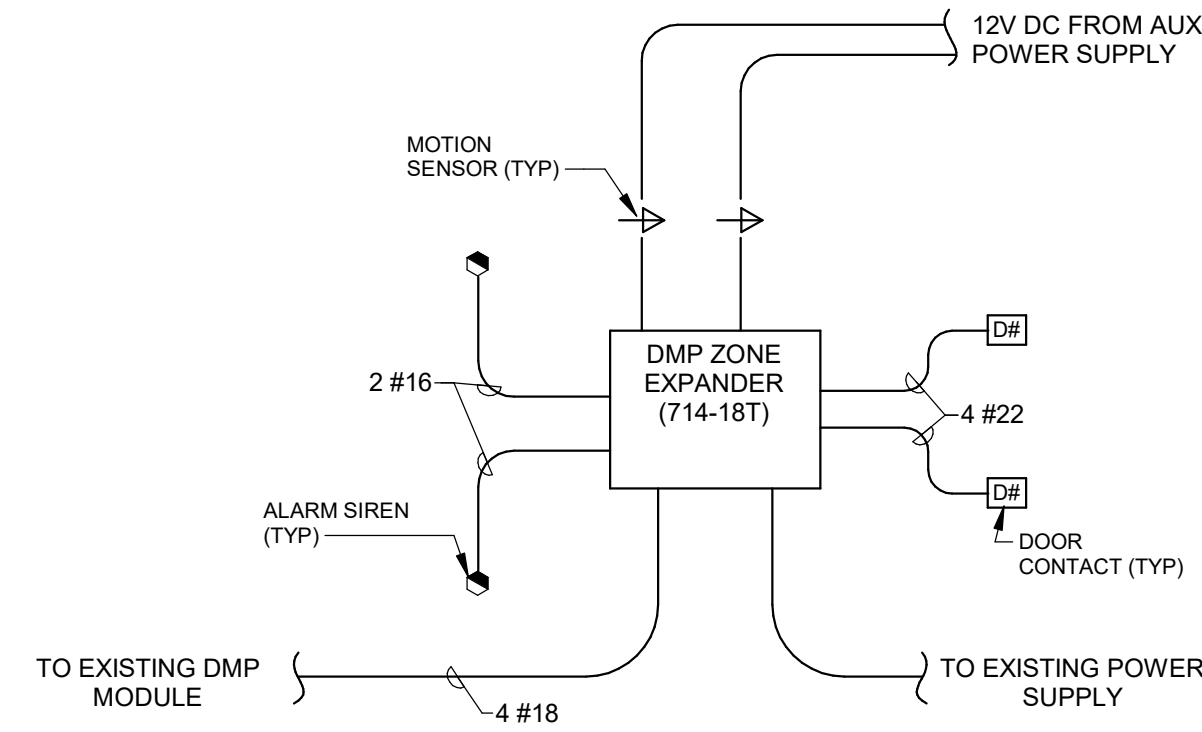


2 S. EUGENE BOOK LOFT ELEVATION - NEW WORK
3/4" = 1'-0"



DISCONNECT, REMOVE AND RELOCATE EXISTING DEVICES TO NEW LOCATION. REFER TO SHEET E02-B.
PULL BACK EXISTING CABLING TO ABOVE ACCESSIBLE CEILING AND SPLICE/EXTEND TO NEW LOCATION. MATCH EXISTING CONDITIONS.

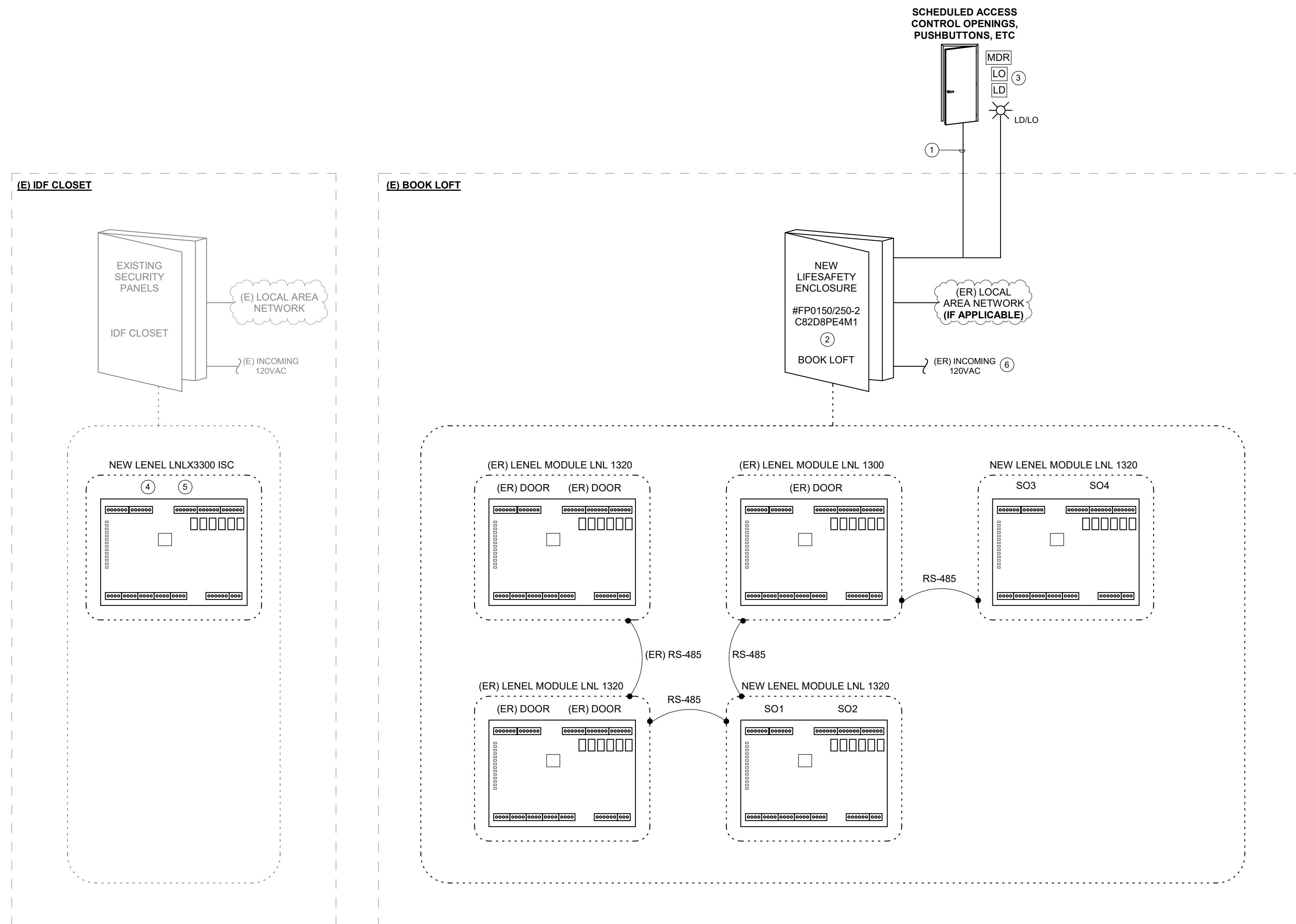
3 SOUTH EUGENE EXISTING CLOSET DEVICES



- 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

1 TYPICAL DMP EXPANDER DIAGRAM - S. EUGENE



- GENERAL NOTES:**
- A. LENEEL ONGUARD 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. REINSTALL EXISTING ACCESS CONTROL INFRASTRUCTURE FROM REMOVED CABINETS. SPLICE AND EXTEND EXISTING CABLING. CONSOLIDATE SPLICED CABLING INTO ONE (1) PULL BOX. RETERMINATE WIRING AND PROGRAM TO MATCH EXISTING CONDITIONS.
 3. REFER TO SPECIFICATIONS FOR DEVICE REQUIREMENTS.
 4. 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.
 5. FIELD MODIFY EXISTING INCOMING RS-485 SERIAL COMMUNICATION WIRING TO ACCOMMODATE THE REDUCTION IN AVAILABLE PORTS ON THE LNLX3300 ISC.
 6. COORDINATE THE EXTENSION AND RECONNECTION OF EXISTING LOCAL 120V CIRCUIT WITH DIVISION 26 CONTRACTOR.

2 LENEEL ACCESS CONTROL RISER - S. EUGENE

BRANCH PANEL: C4A

MOUNTING: RECESSED	VOLTAGE: 120/208 WYE	SCCR RATING: 10,000 A
ENCLOSURE: NEMA 1 RECESSED	PHASES: 3	MAINS TYPE: MLO
	WIRES: 4	MAINS RATING: 125 A
		MCB RATING: 1 A

NOTES:

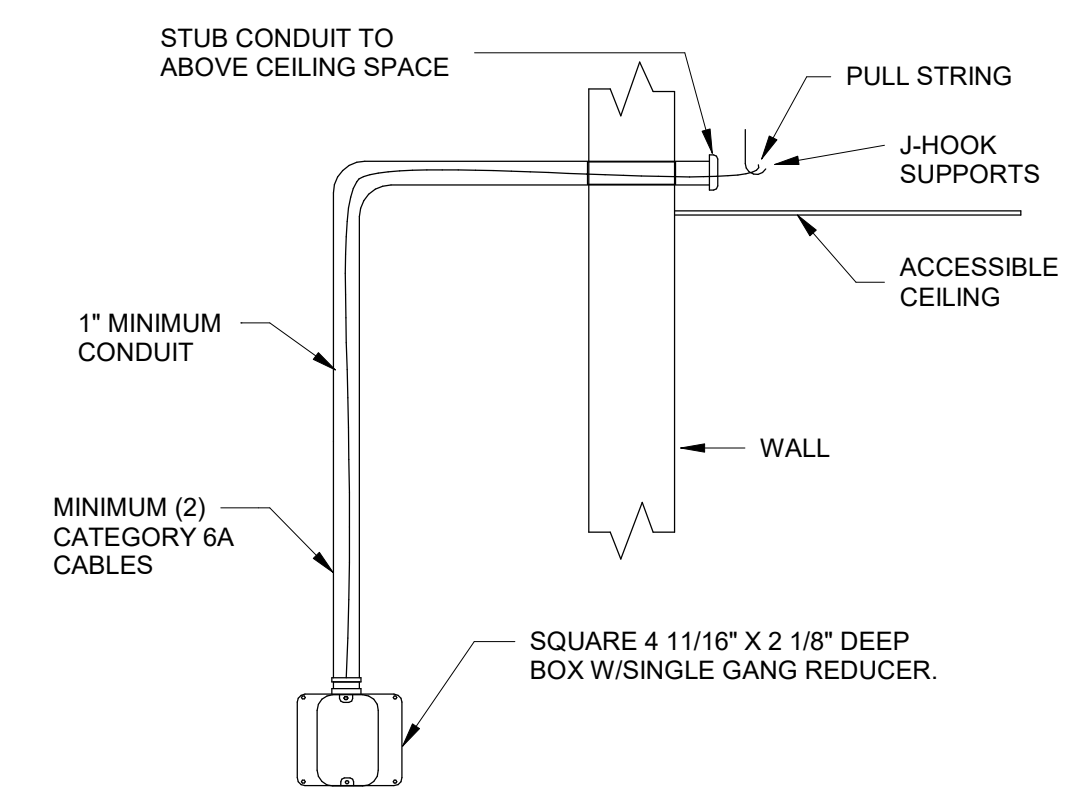
CIRCUIT DESCRIPTION	P	AMP	CKT NO	A		B		C		CKT NO	AMP	P	CIRCUIT DESCRIPTION
(E) OFFICE RM### RECEPTACLES	1	20 A	1	720	0					2	20 A	1	(E) SPARE
(E) REC PRINCIPAL'S OFFICE	1	20 A	3			360	0			4	20 A	1	(E) SPARE
(E) REC MAIN OFFICE RM #3.4	1	20 A	5					720		6			
REC MAIN OFFICE RM #7, WAITING	1	20 A	7	360						8			
REC MAIN OFFICE - FRONT DESK	1	20 A	9			900				10			
			11							12			
			13							14			
			15							16			
			17							18			
			19							20			
			21							22			
			23							24			
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
			41							42			
				1080 VA		1260 VA		720 VA					
				9 A		11 A		6 A					

LEGEND:
(E) INDICATES EXISTING CIRCUIT BREAKER. CONNECT NEW LOADS AS INDICATED.

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS
RECEPTACLE	3060 VA	100.00%	3060 VA	
				TOTAL CONN. LOAD: 3060 VA
				TOTAL EST. DEMAND: 3060 VA
				TOTAL CONN.: 8 A
				TOTAL EST. DEMAND: 8 A

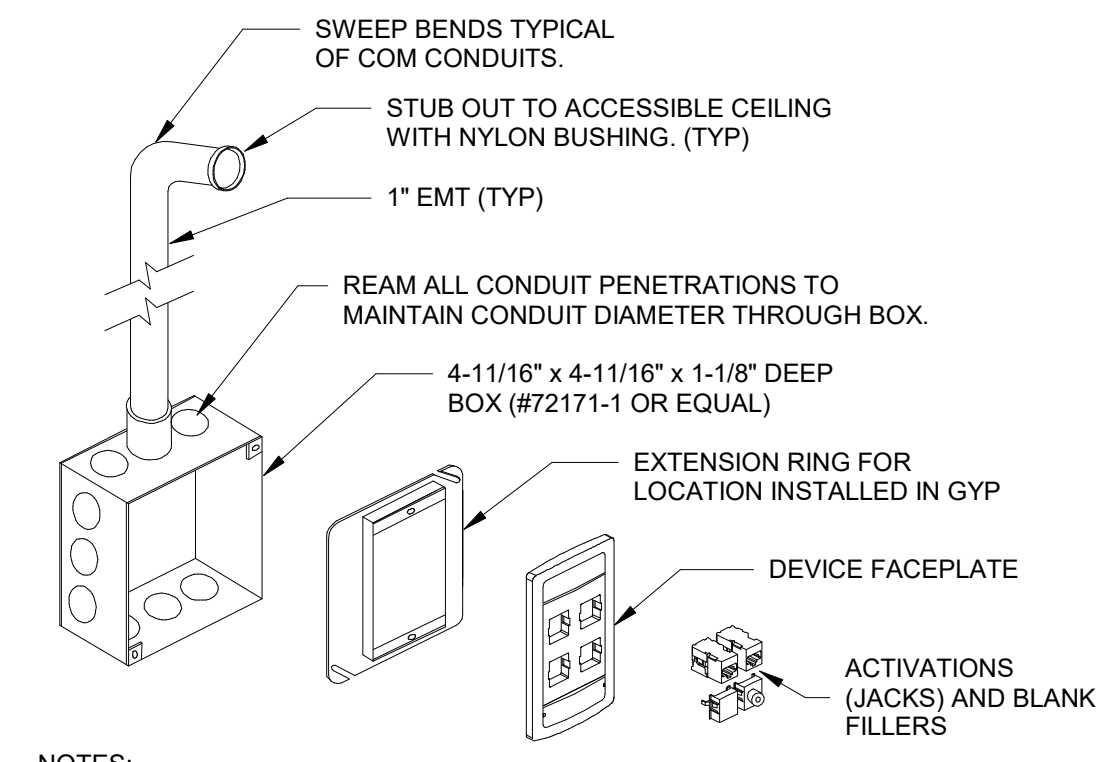
NOTES:





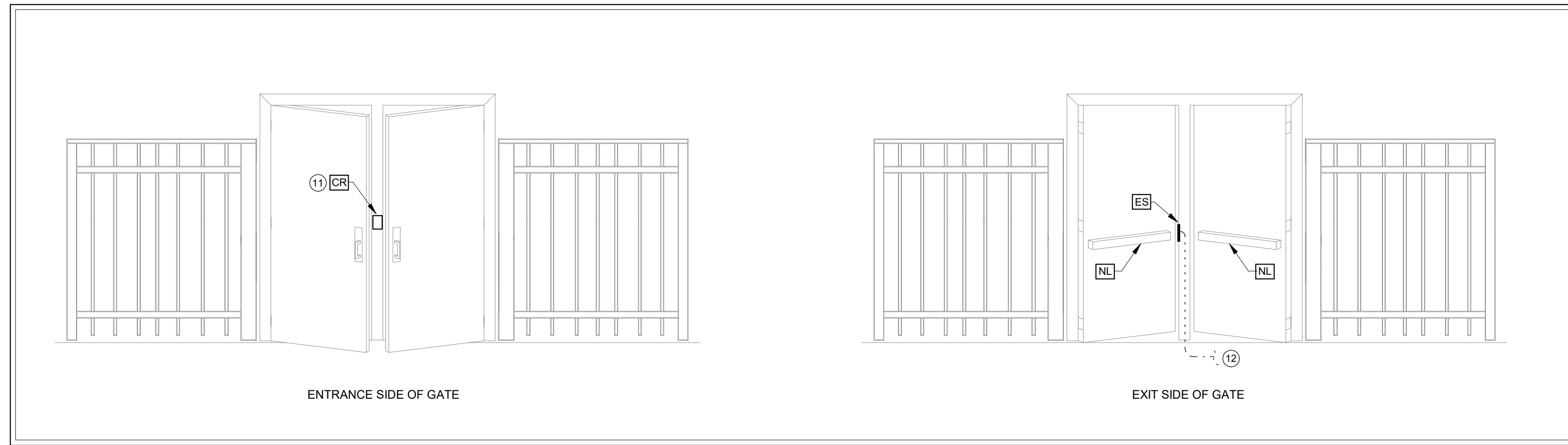
GENERAL NOTE:
A. EVERY WORK AREA OUTLET (WAO) GETS ONE TYPICAL ROUGH-IN.

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

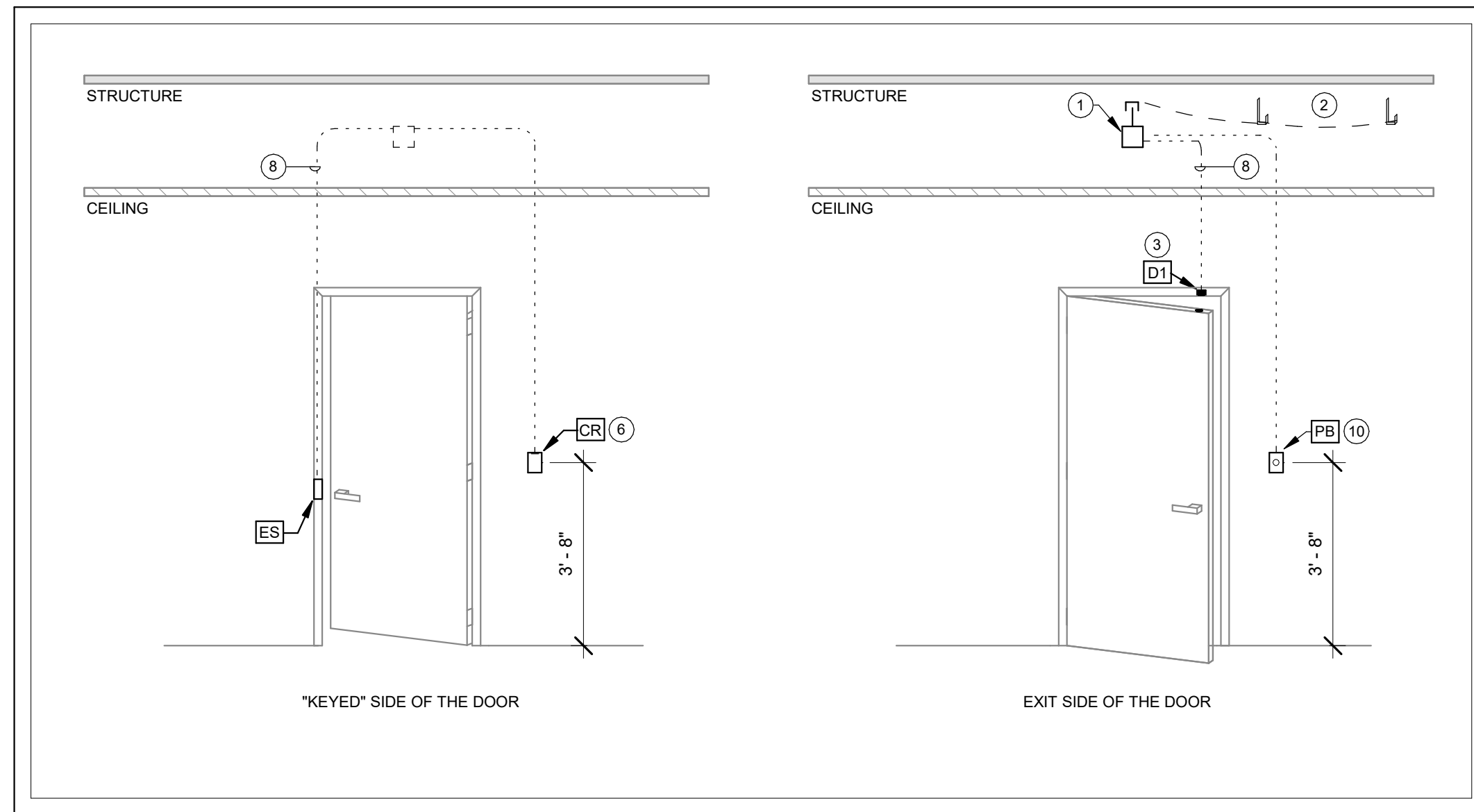


NOTES:
A. FOR EACH DATA WORK AREA OUTLET, WITH EXCEPTION TO FLAT PANEL TELEVISION LOCATIONS, PROVIDE A 2-GANG BOX WITH A SINGLE-GANG PLASTER-RING.
B. INSTALL ONE (1) 1\"/>

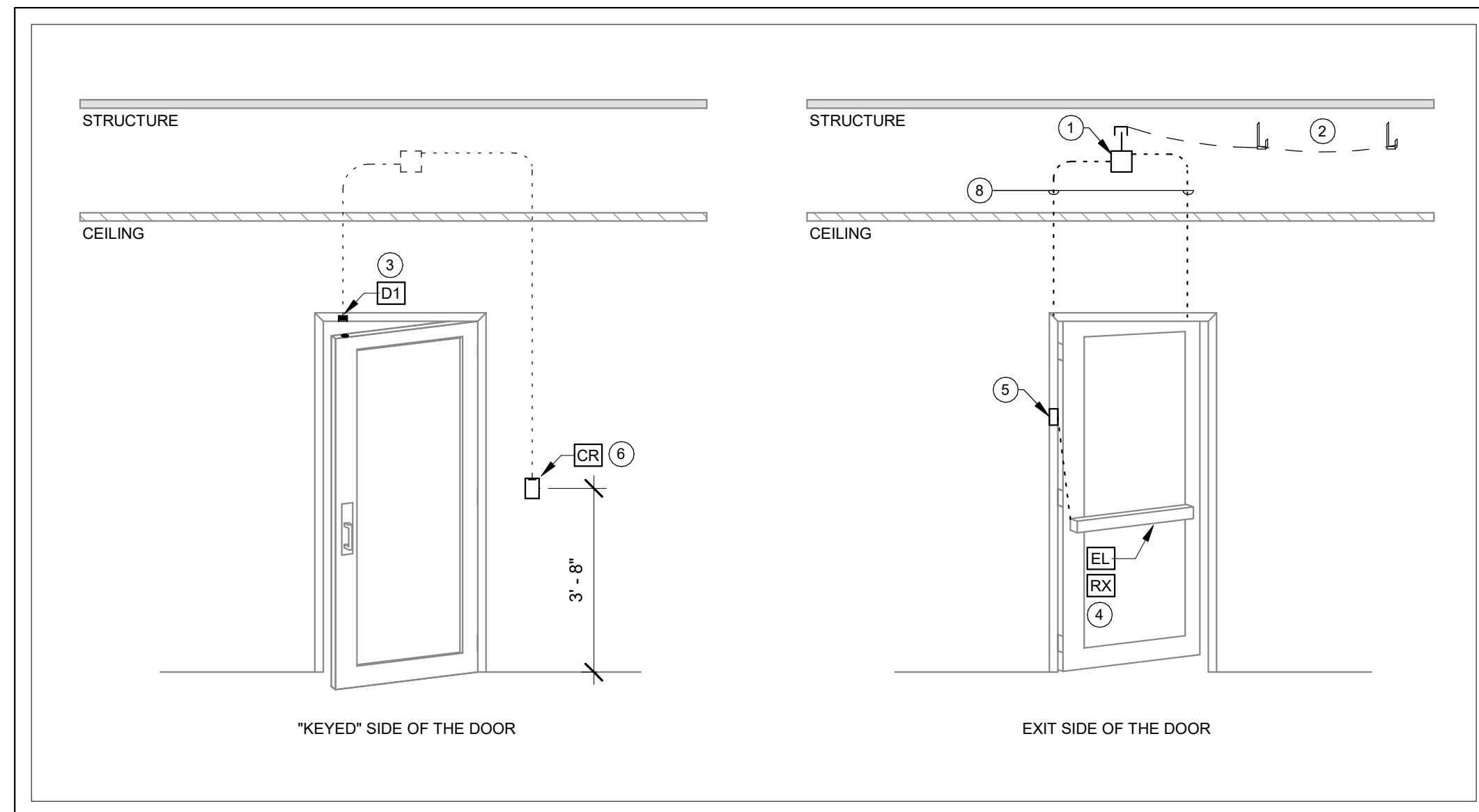
**1 WALL MOUNTED DATA OUTLET DETAIL
DATA OUTLET DETAIL**



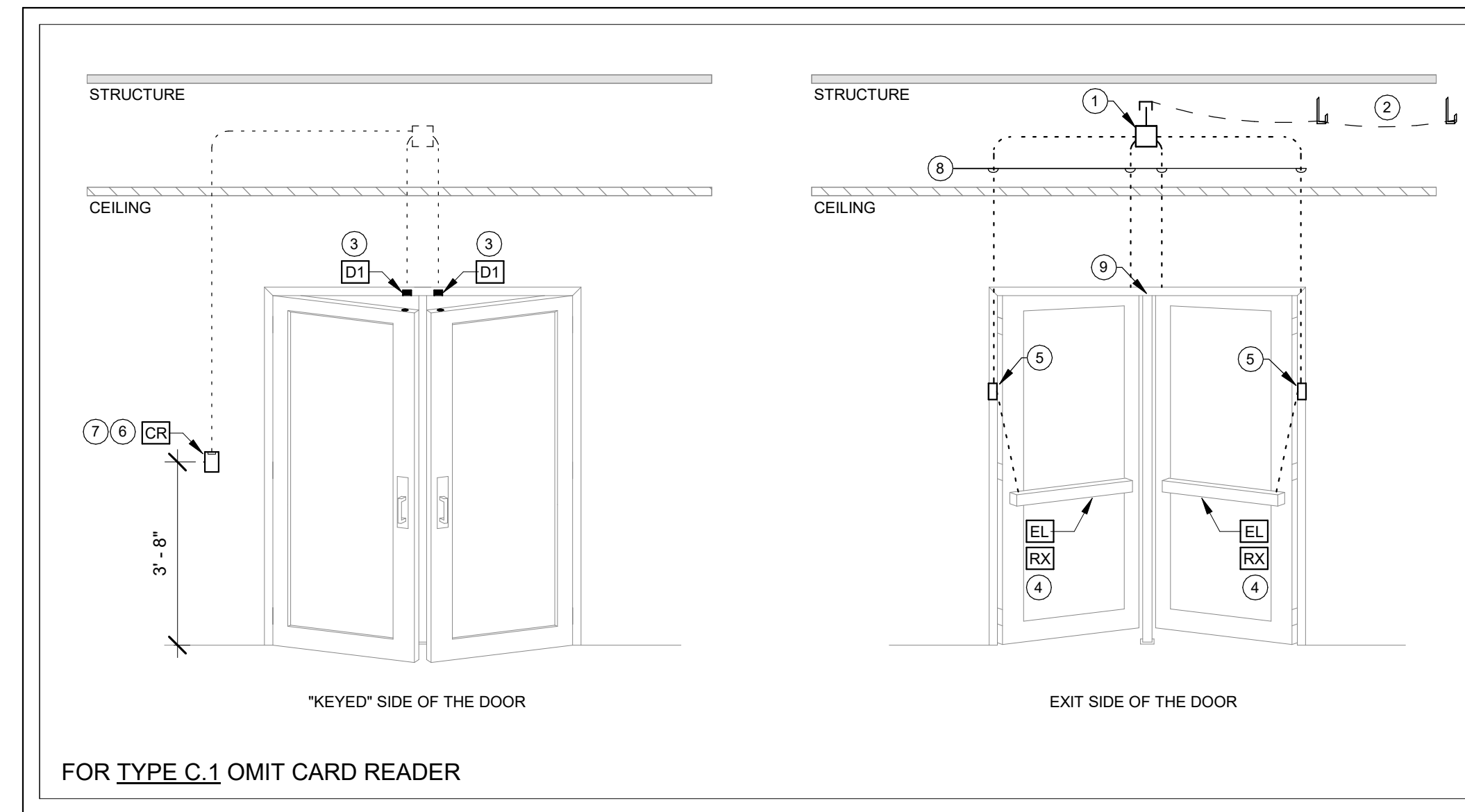
A ACCESS CONTROL DETAIL - TYPE A



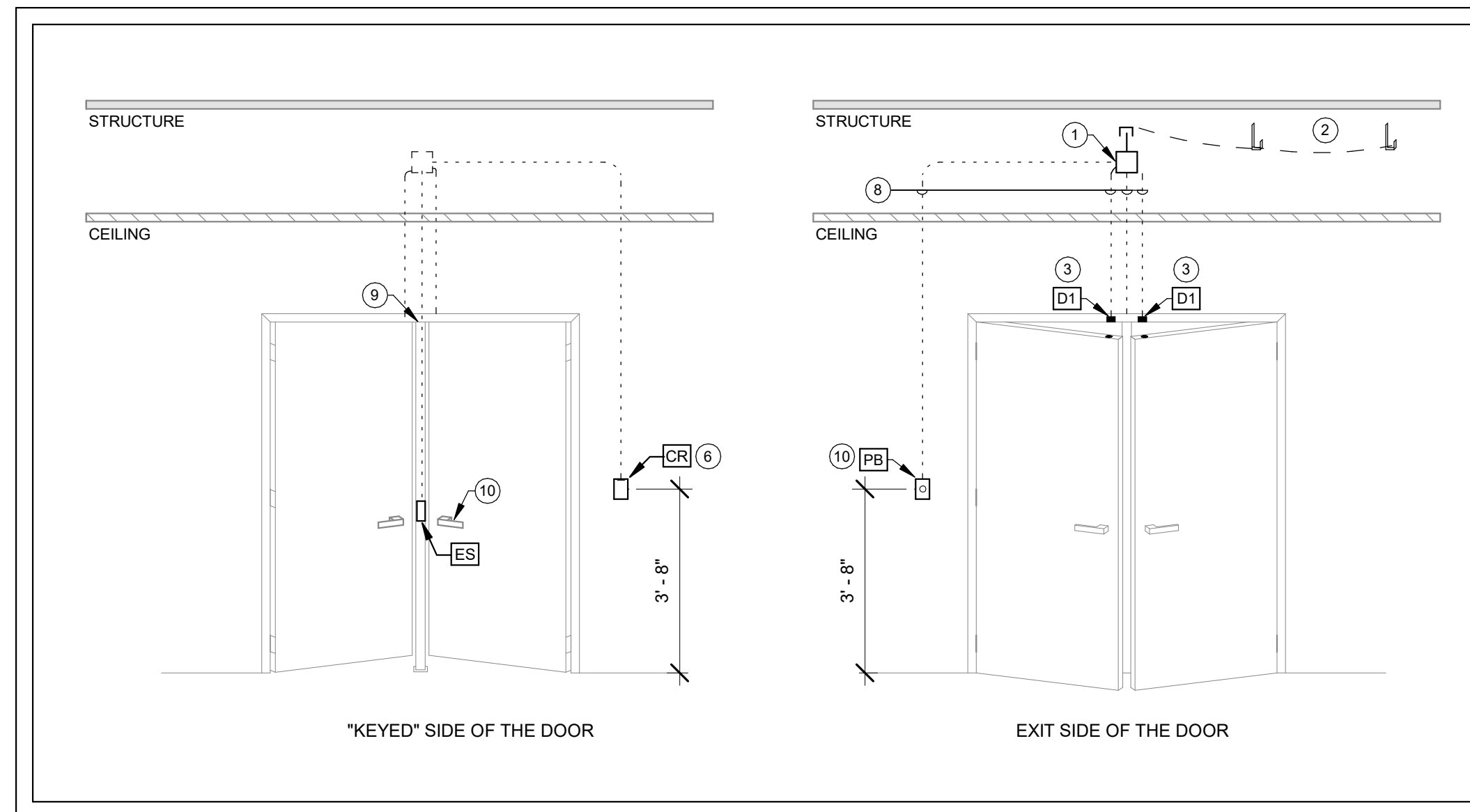
B ACCESS CONTROL DETAIL - TYPE B



D ACCESS CONTROL DETAIL - TYPE D



C ACCESS CONTROL DETAIL - TYPE C & C.1



E ACCESS CONTROL DETAIL - TYPE E

GENERAL NOTES:

- A. 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.
- B. LEVEL ONGAURD ACCESS CONTROL SYSTEM IS EXISTING. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING PROGRAMMING WITH 4J SCHOOL DISTRICT SECURITY DEPARTMENT.
- C. 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.
- D. 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.
- E. DEVICES INCLUDING CARD READERS MAY BE LOCATED ON A DIFFERENT WALL. REFER TO THE DRAWING SET AND ELEVATIONS FOR WHICH SIDE COMPONENTS ARE LOCATED.
- F. 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.
- G. ALL CONDUIT SHALL BE PROVIDED A PULL STRING TO ALLOW EASE OF CABLING INSTALLATION.

KEYNOTES:

1. 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.
2. 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.
3. PREPARE FRAME FOR THE INSTALLATION OF DOOR CONTACT. CONTACT SHALL BE CONNECTED TO THE INTRUSION DETECTION SYSTEM. COORDINATE ZONING WITH 4J SCHOOL DISTRICT.
4. THE SCHEDULED DOOR HARDWARE HOSTS BUILT-IN MOMENTARY SWITCHES TO INTERFACE THE REQUEST TO EXIT FUNCTION FOR ACCESS CONTROL.
5. ELECTRONIC POWER TRANSFER. PROVIDE A 1/2" PATHWAY TO THE FRAME TO SERVE THE ELECTRIFIED EXIT DEVICE.
6. PROVIDE SINGLE GANG JUNCTION BOX AND (1) 1" CONDUIT PATHWAY TO SERVE NEW CARD READER AND CABLING. CARD READER IS OWNER-FURNISHED, CONTRACTOR-INSTALLED.
7. CARD READER AND CABLING IS EXISTING TO REMAIN AT DOOR "SH3", PROTECT IN PLACE.
8. PROVIDE A 1/2" CONDUIT PATHWAY TO THE FRAME.
9. CENTER MULLION.
10. PROVIDE SINGLE GANG JUNCTION BOX TO SERVE PUSHBUTTON REQUEST TO EXIT, CAMDEN #CM-353.
11. SURFACE MOUNT CARD READER ON CENTER POST. PROVIDE DEVICE WITH HID IP65GSKIT GASKET KIT. CARD READER IS OWNER-FURNISHED, CONTRACTOR-INSTALLED.
12. 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:

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

MECHANICAL - GENERAL NOTES

- COORDINATE MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. BEGIN INSTALLATION AND ROUGH-IN AFTER COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION IS COMPLETE. COORDINATE BUILDING STRUCTURE, ARCHITECTURAL ASSEMBLIES, SHEET METAL, ALL PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR REWORK ASSOCIATED WITH FAILURE TO COORDINATE.
- INCORPORATE MECHANICAL SPECIFICATIONS, DRAWINGS, STATE AND LOCAL CODES, AND OWNER STANDARDS INTO WORK.
- WARNING - CALL 48 HOURS BEFORE YOU DIG: LAW REQUIRES ANYONE DOING ANY EXCAVATION, FENCING, PLANTING OR DRILLING TO CALL 48 HOURS IN ADVANCE. HAND DIG WITHIN 18 INCHES OF ANY LOCATE MARK OR FLAG. ONE CALL 811.
- REFER TO ARCHITECTURAL SPECIFICATIONS FOR THROUGH-PENETRATION FIRESTOPPING AND TO ARCHITECTURAL CODE PLAN FOR FIRE RATED WALLS, FLOORS, AND CEILINGS. EACH TRADE IS RESPONSIBLE TO FIRESTOP PENETRATIONS THROUGH RATED ASSEMBLIES.
- EACH TRADE IS RESPONSIBLE FOR MAKING PENETRATIONS WHERE REQUIRED IN EXISTING WALLS, FLOORS, CEILINGS, AND ROOFS. MAKE PENETRATIONS NEAT, PATCH, CONCEAL, OR CAULK OVERCUT.
- COVER EXPOSED WALL PENETRATIONS WITH ESCUTCHEONS OR SHEET METAL AS APPROPRIATE.
- CAULK ALL CONCEALED AND EXPOSED PIPING AND DUCT WALL PENETRATIONS TO PREVENT NOISE TRANSFER BETWEEN SPACES.
- CREATE OPENINGS IN THE BUILDING THAT ARE REQUIRED TO REMOVE EXISTING ITEMS AND TO BRING IN NEW EQUIPMENT. PATCH ALL OPENINGS CREATED AND FINISHED WITH MATERIALS TO MATCH EXISTING CONDITIONS. INCLUDE THIS WORK IN BID.
- [ON COMPLETION OF THE INSTALLATION, COOPERATE WITH THE OWNER TO PROVIDE TESTING, ADJUSTING, AND BALANCING TO OBTAIN PROPER OPERATION OF ALL EQUIPMENT AND SYSTEMS. PROVIDE ALL FACILITIES AND EQUIPMENT AND COMPLETE ALL TESTS REQUIRED FOR ADJUSTMENTS AND BALANCING TO ESTABLISH THE PROPER PERFORMANCE OF EQUIPMENT.]
- [PROVIDE WARRANTIES FOR ALL EQUIPMENT AND INSTALLATION PER THE CONTRACT DOCUMENTS.]

MECHANICAL - DEMOLITION NOTES

- MECHANICAL DEMOLITION DRAWINGS SHOWING EXISTING CONDITIONS HAVE BEEN PREPARED BASED ON NON-DESTRUCTIVE FIELD OBSERVATION AND AS-BUILT DRAWINGS PROVIDED BY THE OWNER. FIELD VERIFY EXISTING SYSTEMS BEFORE BEGINNING WORK. NOTIFY ARCHITECT/ENGINEER IF EXISTING CONDITIONS ARE MATERIALLY DIFFERENT THAN THOSE SHOWN ON THE PLANS.
- BE FAMILIAR WITH EXISTING MECHANICAL SYSTEMS THAT WILL BE AFFECTED BY THE DEMOLITION WORK. OBTAIN PERMISSION FROM THE OWNER'S REPRESENTATIVE TO SHUT OFF SERVICES OR SYSTEMS THAT AFFECT AREAS BEYOND THE LIMITS OF THE IMMEDIATE DEMOLITION AREA. INFORM THE OWNER'S REPRESENTATIVE OF THE REASON FOR AND DURATION OF THE SHUTDOWN. MINIMIZE IMPACT TO OTHER AREAS. PROCEED WITH THE SHUT-DOWN AFTER PERMISSION FROM THE OWNER IS GRANTED.
- REMOVE PIPING, HANGERS, DUCTWORK, GRILLES, REGISTERS, DIFFUSERS, ETC. THAT ARE INDICATED TO BE REMOVED IN A TIMELY MANNER IN ACCORDANCE WITH THE GENERAL DEMOLITION SPECIFICATIONS. COORDINATE WITH THE OWNER AND OTHER CONTRACTORS.
- UNLESS EQUIPMENT TO BE REMOVED IS NOTED AS OWNER'S SALVAGE, DISPOSE OF EQUIPMENT AND/OR MATERIALS INDICATED TO BE REMOVED PROMPTLY.
- REMOVE ALL ABANDONED PIPING AND DUCTWORK THAT IS EXPOSED OR ACCESSIBLE WITHOUT WALL OR CEILING DEMOLITION. REFER TO ARCH PLANS FOR CEILINGS TO BE REMOVED.
- REPAIR OR REPLACE TELECOMMUNICATIONS FACILITIES OR EQUIPMENT FOUND TO BE DAMAGED OR NON-FUNCTIONAL AFTER SUBSTANTIAL COMPLETION.

HVAC - NOTES

- COORDINATE WORK WITH ALL OTHER TRADES AS DESCRIBED IN MECHANICAL GENERAL NOTE #1.
- PROVIDE A COMPLETE HVAC SYSTEM, INCLUDING SUPPLY, RETURN, EXHAUST, AND VENTILATION DUCTWORK; MECHANICAL EQUIPMENT, SUPPORTS, HANGERS, DIFFUSERS, GRILLES, REGISTERS, AND ALL APPURTENANCES. INSTALL ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. INSTALL SYSTEM TO MEET ALL CITY AND STATE CODES AND REQUIREMENTS.
- DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF DUCT SYSTEM. INDICATED DUCT LOCATIONS, CONFIGURATIONS, AND ARRANGEMENTS WERE USED TO SIZE DUCTS AND CALCULATE FRICTION LOSS FOR AIR-HANDLING EQUIPMENT SIZING AND FOR OTHER DESIGN CONSIDERATIONS. INSTALL DUCT SYSTEMS AS INDICATED UNLESS DEVIATIONS TO LAYOUT ARE APPROVED BY ARCHITECT/ENGINEER.
- ALL DUCT DIMENSIONS INDICATED ARE INTERIOR FREE AREA DUCT DIMENSIONS AND DO NOT INCLUDE INSULATION REQUIREMENTS.
- SEAL ALL WALL AND FLOOR DUCT PENETRATIONS. PROVIDE FIRE CAULKING ASSEMBLIES FOR PENETRATIONS OF RATED ASSEMBLIES. REFER TO ARCHITECTURAL DRAWINGS FOR ASSEMBLY RATINGS.
- CONTINUE DUCT AND PIPE INSULATION THROUGH WALLS, FLOORS, AND CEILING PENETRATIONS UNBROKEN, EXCEPT WHERE FIRE OR FIRE/SMOKE DAMPERS ARE INSTALLED IN DUCTWORK. SEAL AROUND DUCT INSULATION AT WALL PENETRATIONS.

PIPE FITTINGS

SINGLE LINE		DOUBLE LINE	
	ELBOW		ELBOW
	ELBOW - DOUBLE BRANCH		ELBOW - DOUBLE BRANCH
	ELBOW - OUTLET DOWN		ELBOW - OUTLET DOWN
	ELBOW - OUTLET UP		ELBOW - OUTLET UP
	ELBOW - LONG RADIUS		ELBOW - LONG RADIUS
	ELBOW - SHORT RADIUS		ELBOW - SHORT RADIUS
	45° ELBOW		45° ELBOW
	TEE - VENT		TEE - VENT
	TEE - SANITARY		TEE - SANITARY
	TEE - OUTLET DOWN		TEE - OUTLET DOWN
	TEE - OUTLET UP		TEE - OUTLET UP
	TEE - SIDE OUTLET DOWN		TEE - SIDE OUTLET DOWN
	TEE - SIDE OUTLET UP		TEE - SIDE OUTLET UP
	CROSS - VENT		CROSS - VENT
	CROSS - SANITARY		CROSS - SANITARY
	LATERAL		LATERAL
	TEE - SINGLE SWEEP "COMBO WYE"		TEE - SINGLE SWEEP "COMBO WYE"
	REDUCER - CONCENTRIC		REDUCER - CONCENTRIC
	REDUCER - ECCENTRIC		REDUCER - ECCENTRIC
	CAPPED CONNECTION		CAPPED CONNECTION
	FLANGED CONNECTION		FLANGED CONNECTION

PIPING LEGEND - MECHANICAL

LPS		LOW PRESSURE STEAM
LPC		LOW PRESSURE STEAM CONDENSATE

MECHANICAL ABBREVIATIONS

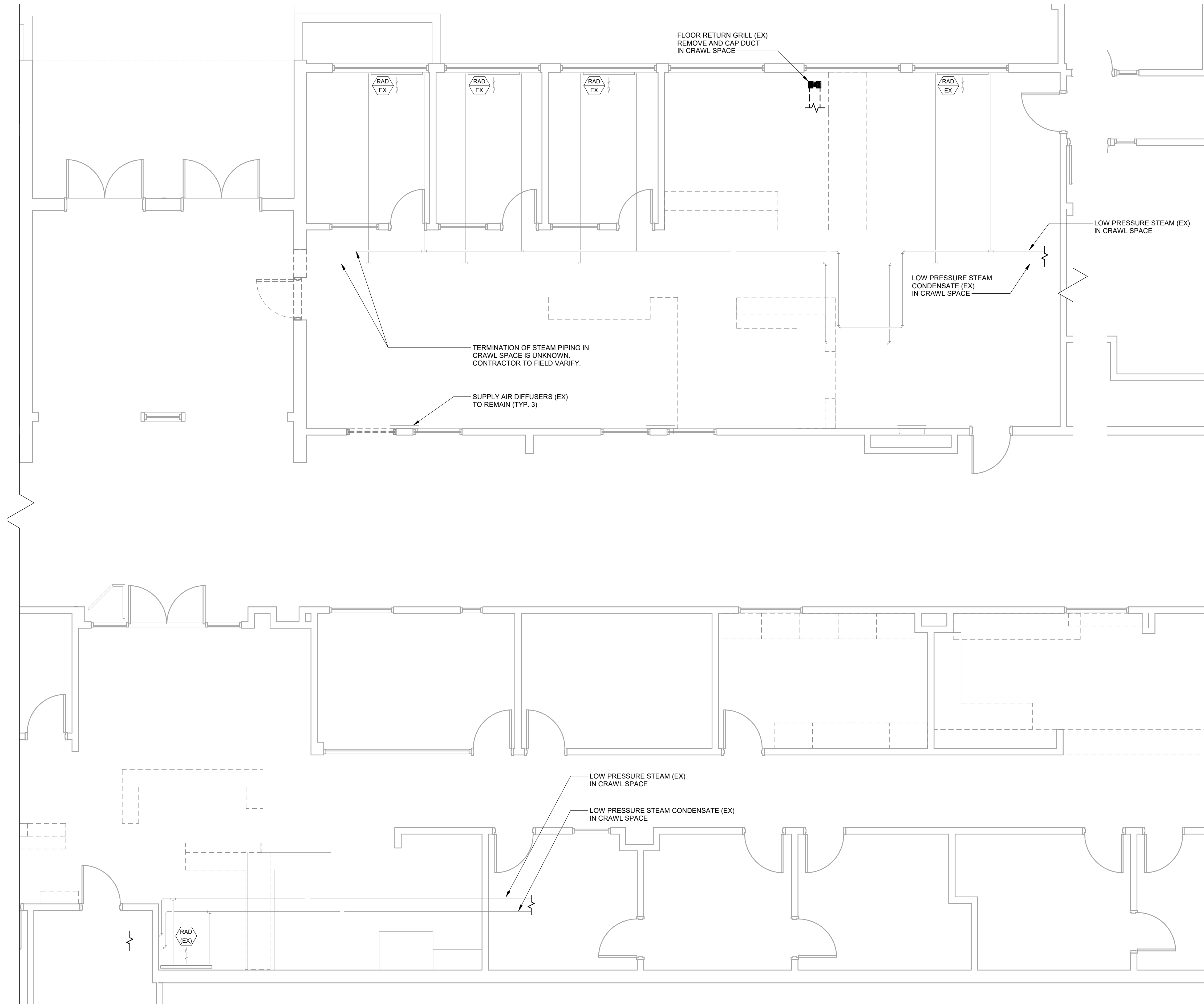
ABSOR	ABSORPTION	FT	FINTUBE
ACU	AIR CONDITIONING UNIT	FTG	FOOTING
AD	ACCESS DOOR OR AREA DRAIN	GA	GAGE
AFF	ABOVE FINISHED FLOOR	GAL	GALLON
AFG	ABOVE FINISHED GRADE	GALV	GALVANIZED
AHU	AIR HANDLING UNIT	GC	GENERAL CONTRACTOR
AV	AIR VENT	GW	GREASE WASTE
BOT	BOTTOM	GPH	GALLONS PER HOUR
BTU	BRITISH THERMAL UNIT	GPM	GALLONS PER MINUTE
BTUH	BTU PER HOUR	HR	HOUR
BV	BALL VALVE	HTG	HEATING
CA	COMPRESSED AIR	HB	HOSE BIBB
CB	CATCH BASIN	ISP	INTERNAL STATIC PRESSURE
CENT	CENTRIFUGAL	JR	JANITOR RECEPTOR
CFM	CUBIC FEET PER MINUTE	LAV	LAVATORY
CI	CAST IRON	LDBT	LEAVING DRY BULB TEMPERATURE
CL	CENTER LINE	LWT	LEAVING WATER TEMPERATURE
COND	CONDENSATE	LWBT	LEAVING WET BULB TEMPERATURE
CO	CLEAN OUT	MB	MOP BASIN
CONC	CONCRETE	MBH	1000 BTUH
CONTR	CONTRACTOR	MC	MECHANICAL CONTRACTOR
CP	CONDENSATE PUMP/CIRC. PUMP	MECH	MECHANICAL
CU	COPPER	MH	MANHOLE
CUH	CABINET UNIT HEATER	NTS	NOT TO SCALE
CWP	CIRCULATING WATER PUMP	OA	OUTSIDE AIR
DDC	DIRECT DIGITAL CONTROLS	OD	OVERFLOW ROOF DRAIN
DN	DOWN	PC	PLUMBING CONTRACTOR
DR	DRAIN	PSI	POUNDS PER SQUARE INCH
DS	DOWNSPOUT	PRV	POWER ROOF VENTILATOR
EA	EXHAUST AIR	PRV	PRESSURE REDUCING VALVE
EAT	EXHAUST AIR TEMPERATURE	PV	PRESSURE VENT
ECE	ELECTRICAL CONTRACTOR	PVC	POLYVINYL CHLORIDE
EDBT	ENTERING DRY BULB TEMPERATURE	RA	RETURN AIR
EEW	EMERGENCY EYE WASH	RD	ROOF DRAIN
EF	EXHAUST FAN	RH	RELATIVE HUMIDITY
EJ	EXPANSION JOINT	RTU	ROOF TOP UNIT
EQUIP	EQUIPMENT	RV	RELIEF VALVE
ESE	EMERGENCY SHOWER/EYEWASH	RVT	ROOF VENT TERMINATION
EST	EXTERNAL STATIC PRESSURE	SK	SINK
EWBT	ENTERING WET BULB TEMPERATURE	SA	SUPPLY AIR
EWC	ELECTRIC WATER COOLER	SH	SHOWER
EWT	ENTERING WATER TEMPERATURE	SO	STORM OVERFLOW
EX	EXISTING	ST	STORM
EXH	EXHAUST	TCC	TEMPERATURE CONTROL CONTRACTOR
EXP	EXPANSION	TYP	TYPICAL
FAI	FRESH AIR INTAKE	UH	UNIT HEATER
FCU	FAN COIL UNIT	UR	URINAL
FD	FLOOR DRAIN	UV	UNIT VENTILATOR
FDC	FIRE DEPARTMENT CONNECTION	VA	VENTILATION AIR
FLEX	FLEXIBLE	VTR	VENT THROUGH ROOF
FLO	FLOOR	WB	WALL BOX - CONDENSATE
FPM	FEET PER MINUTE	WC	WATER CLOSET
FPS	FEET PER SECOND	WHA	WATER HAMMER ARRESTOR
FS	FLOOR SINK	WH	WATER HEATER
FSEC	FOOD SERVICE EQUIPMENT CONSULTANT		

GENERAL SYMBOLS

	EXISTING = HALFTONE LINEWORK
	NEW = DARK LINEWORK
	DEMO = DASHED DARK LINEWORK
	BELOW GRADE = LONG DASHED DARK LINEWORK
	NEW CONNECTION POINT
	POINT OF DISCONNECT
	KEYNOTE
	EQUIPMENT IDENTIFICATION TAG
	DETAIL DRAWING REFERENCE TAG, SIM-SIMILAR, TYP-TYPICAL, OPP-OPPOSITE SHEET REFERENCE
	SECTION CUT REFERENCE TAG, SIM-SIMILAR, TYP-TYPICAL, OPP-OPPOSITE SHEET REFERENCE
	INTERIOR ELEVATION DRAWING REFERENCE TAG

H.V.A.C. / DUCTWORK SYMBOLS

	RECT. RND. OVAL	SUPPLY (SA), OUTSIDE (OA), VENTILATION (VA) AIR DUCT (UP / DOWN / SECTION)
		RETURN (RA) AIR DUCT (UP / DOWN / SECTION)
		EXHAUST (EA) AIR DUCT (UP / DOWN / SECTION)
		RECTANGULAR DUCT (WIDTH / HEIGHT / SYSTEM)
		ROUND DUCT (DIAMETER / SYSTEM)
		FLAT OVAL DUCT (WIDTH / HEIGHT / SYSTEM)
		SUPPLY DIFFUSER
		SUPPLY REGISTER OR GRILLE
		LINEAR SLOT DIFFUSER
		RETURN REGISTER OR GRILLE
		EXHAUST REGISTER OR GRILLE
		DUCT ACCESS DOOR
		DUCT END CAP
		TURNING VANES
		VAV TERMINAL UNIT
		FLEXIBLE DUCTWORK
		ELEVATION CHANGE (RISE OR DROP)
		HIGH EFF. TAKE OFF FITTING w/ VOLUME DAMPER
		VOLUME DAMPER
		MOTORIZED ACTUATOR
		THERMOSTAT
		SIDE WALL DIFFUSER
		EXTERIOR LOUVER
		FIXTURE IDENTIFICATION TAG
		NECK SIZE / CFM



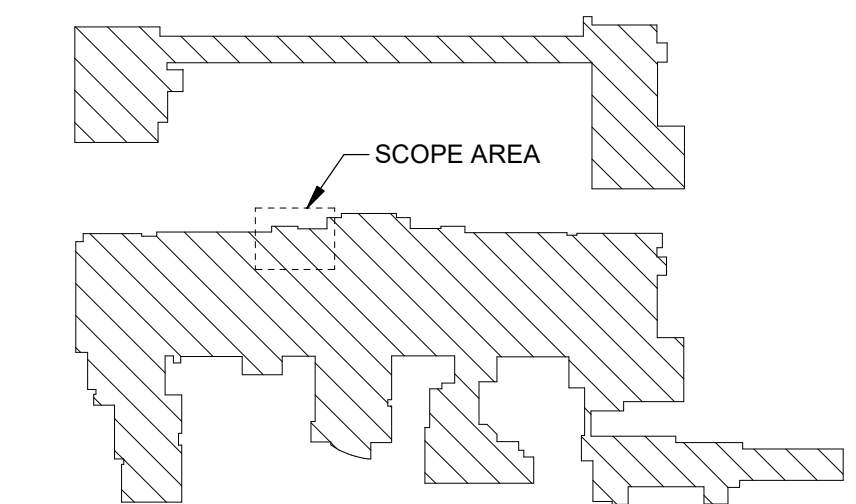
GENERAL NOTES:

- A. REFER TO M00 FOR GENERAL NOTES & SYMBOLS.
- B. PATCH WALLS, ROOFS, AND/OR FLOOR WHERE DUCTS, GRILLES, PIPES, OR EQUIPMENT ARE REMOVED. PAINT OR FINISH TO MATCH ORIGINAL CONSTRUCTION.
- C. COORDINATE WITH OWNER AND ASBESTOS ABATEMENT CONTRACTOR FOR WORK IN AREAS CONTAINING ASBESTOS (EXISTING FLOORING MATERIAL CONTAINS ASBESTOS).
- D. WHERE DUCTWORK IS REMOVED, REMOVE ALL ASSOCIATED SUPPORTS.
- E. WHERE EQUIPMENT IS REMOVED, REMOVE ALL ASSOCIATED SUPPORTS, DUCTWORK, PIPING, AND CONTROLS.
- F. WHERE CONTROLS ARE REMOVED, REMOVE ALL ASSOCIATED WIRING AND/OR PNEUMATIC TUBING. PATCH WALL OPENINGS AND PAINT OR FINISH TO MATCH ORIGINAL CONSTRUCTION. IN WALLS THAT CANNOT BE PATCHED, INSTALL STAINLESS STEEL COVER PLATE. ABANDON PNEUMATIC TUBING IN WALLS.
- G. REMOVE ALL EXPOSED ABANDONED STEAM AND CONDENSATE PIPING. PATCH WALL AND FLOOR OPENINGS TO MATCH ORIGINAL CONSTRUCTION.

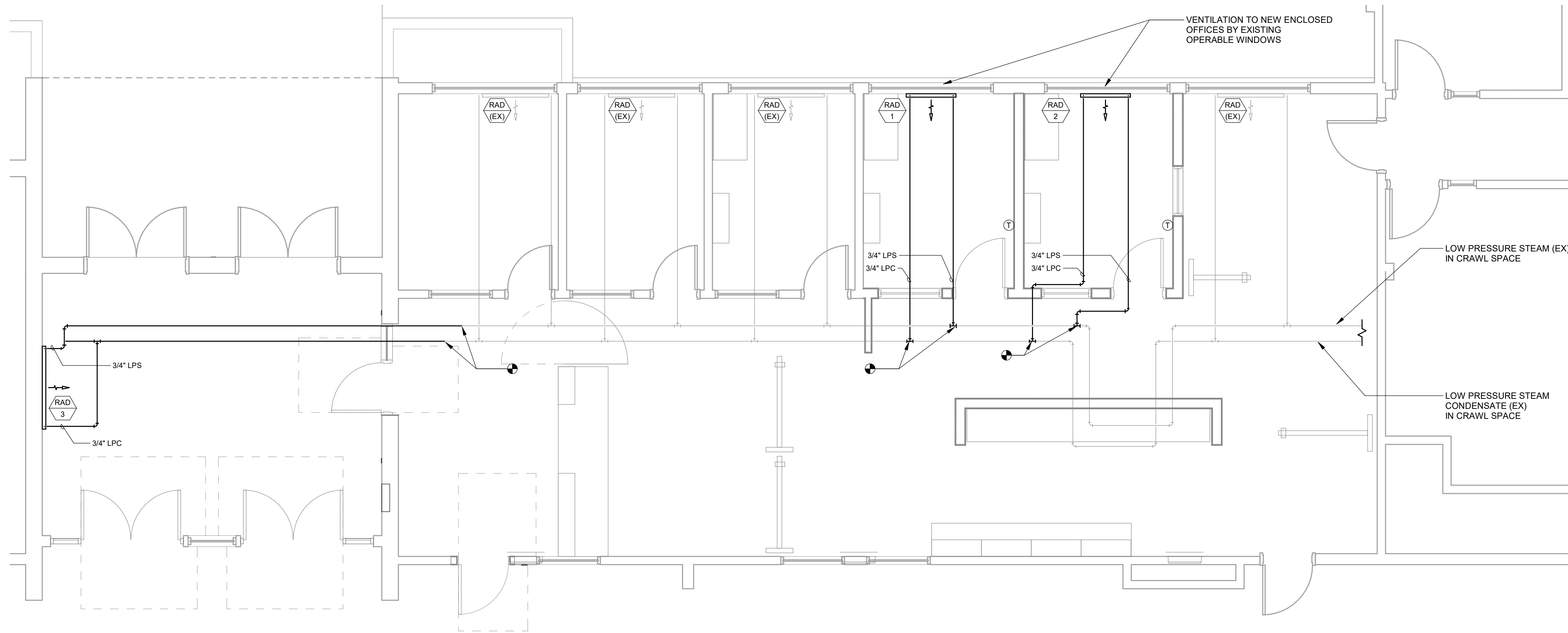


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1 S. EUGENE DEMO FLOOR PLAN - MECHANICAL
1/4" = 1'-0"

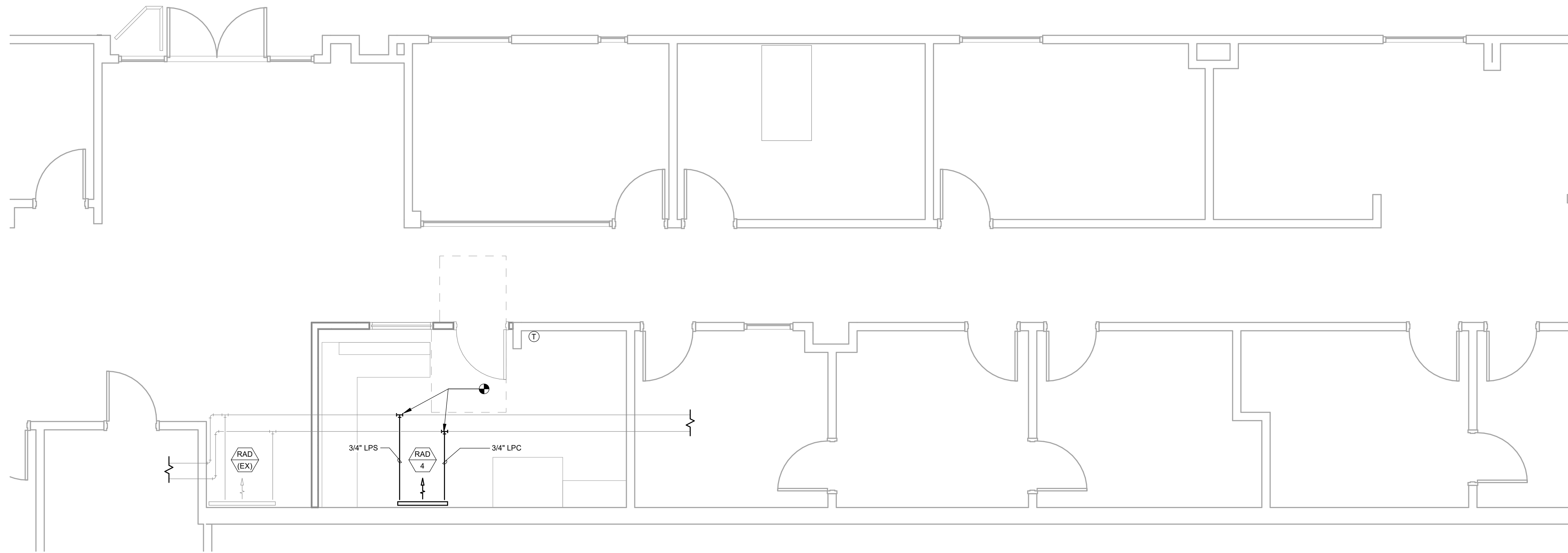


S. EUGENE H.S. KEY PLAN

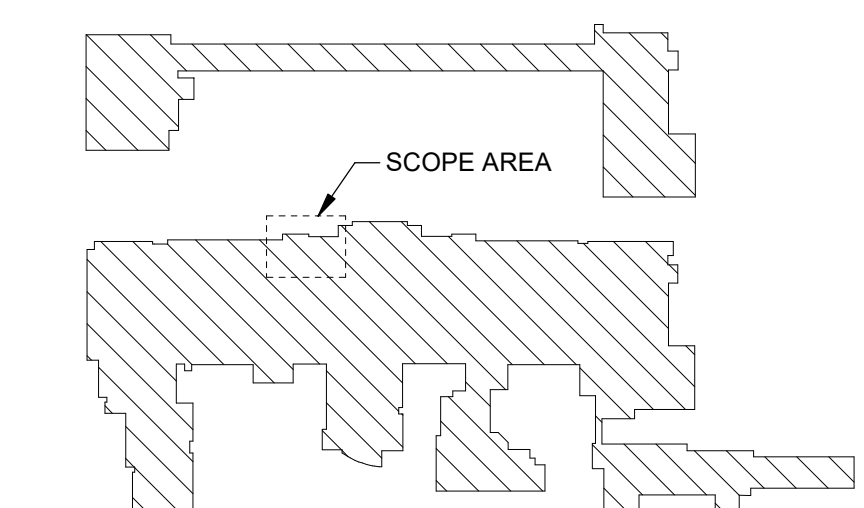


GENERAL NOTES:

- A. REFER TO M00 FOR GENERAL NOTES & SYMBOLS.
- B. REFER TO M11-B FOR PIPING DETAILS, PIPING SCHEDULES, AND EQUIPMENT SCHEDULES.
- C. NEW STEAM AND STEAM CONDENSATE PIPING TO BE PROVIDED WITH PROTECTIVE ALUMINUM JACKET.
- D. COORDINATE WITH OWNER AND ASBESTOS ABATEMENT CONTRACTOR FOR NEW FLOOR PENETRATIONS (EXISTING FLOORING MATERIAL CONTAINS ASBESTOS).



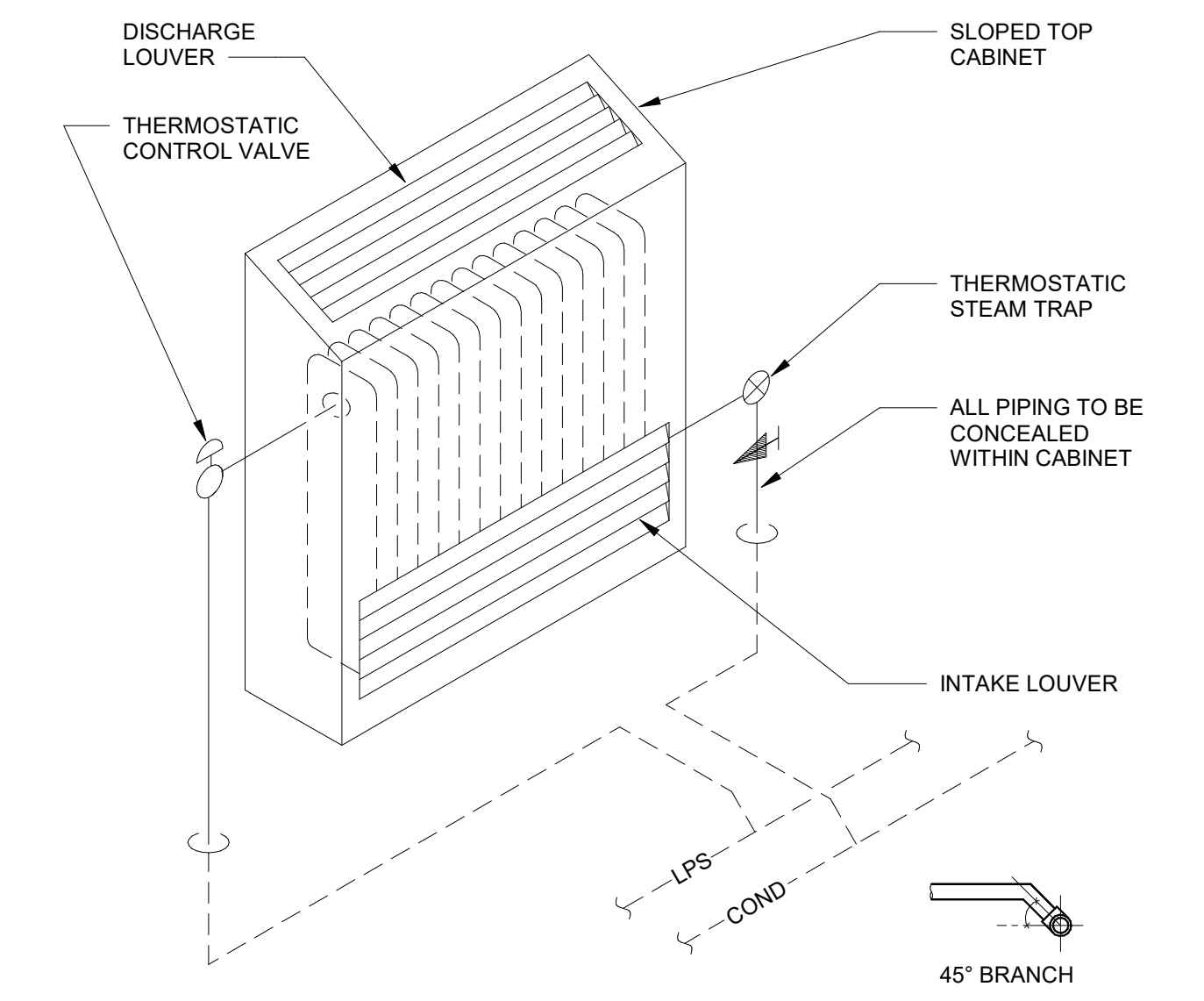
1 S. EUGENE FLOOR PLAN - MECHANICAL
1/4" = 1'-0"



S. EUGENE H.S. KEY PLAN



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NOTES:
A. REFER TO SPECIFICATIONS FOR INSULATION AND JACKETING REQUIREMENTS.

1 STEAM RADIATOR PIPING
NOT TO SCALE

RADIATOR SCHEDULE

- NOTES:**
- REFER TO ARCH FOR FINAL COLOR SELECTION FROM FULL MFG RANGE OF STANDARD AND CUSTOM COLORS.
 - UNIT TO BE FLOOR MOUNTED - REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL NECESSARY SUPPORTS.
 - UNIT TO BE RECESSED - REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL NECESSARY SUPPORTS.
 - PROVIDE WITH OPTIONAL KNOB DAMPER, ACCESS DOORS, INSULATION ON INSIDE BACK PANEL, AND TAMPER PROOF FRONT PANEL FASTENERS.
 - PROVIDE WITH OPTIONAL TAMPER RESISTANT DAMPER, ACCESS DOORS, INSULATION ON INSIDE BACK, SIDE, AND TOP PANELS, AND TAMPER PROOF FRONT PANEL FASTENERS.
 - ELEMENT HEATING BASED ON 65°F EAT, AND 2 PSIG STEAM PRESSURE.

ID TAG	MANUFACTURER	# MODEL	REFERENCE			LOCATION	TYPE (ELECTRIC / HYDRONIC)	MOUNTING (SURFACE / WALL, RECESSED, ETC.)	CAPACITY (MBH)	EDR	NOTES
			HEIGHT (IN)	DEPTH (IN)	LENGTH (IN)						
RAD-1	TRANE	SFG	24	4	36	OFFICE	STEAM	WALL	5	20	1, 2, 4, 6
RAD-2	TRANE	SFG	24	4	36	OFFICE	STEAM	WALL	5	20	1, 2, 4, 6
RAD-3	TRANE	RFG	26	8	60	VESTIBULE	STEAM	WALL	19.4	81	1, 3, 5, 6
RAD-4	TRANE	SFG	24	4	36	OFFICE	STEAM	WALL	5	20	1, 2, 4, 6

SHEET TITLE:
MECHANICAL DETAILS AND SCHEDULES - S. EUGENE

REVISIONS:
DESCRP. DATE

ISSUE DATE: 03.15.23