

BAKER EMERGENCY OPERATIONS CENTER

BID DOCUMENTS

ISSUE DATE: 05/16/2025

COLE PROJECT: 23-105-OR

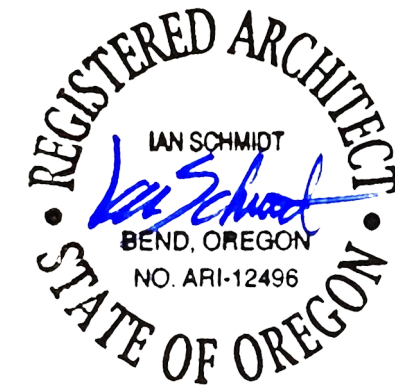


Baker County
Oregon

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CONSULTANT

PROJECT INFORMATION

BAKER EMERGENCY OPERATIONS CENTER

3410 K STREET BAKER CITY, OR 97814

ISSUES

PHASE BID DOCUMENTS

DATE ISSUE DATE: 05/16/2025

JOB NUMBER COLE PROJECT: 23-105-OR

MARK	DATE	DESCRIPTION
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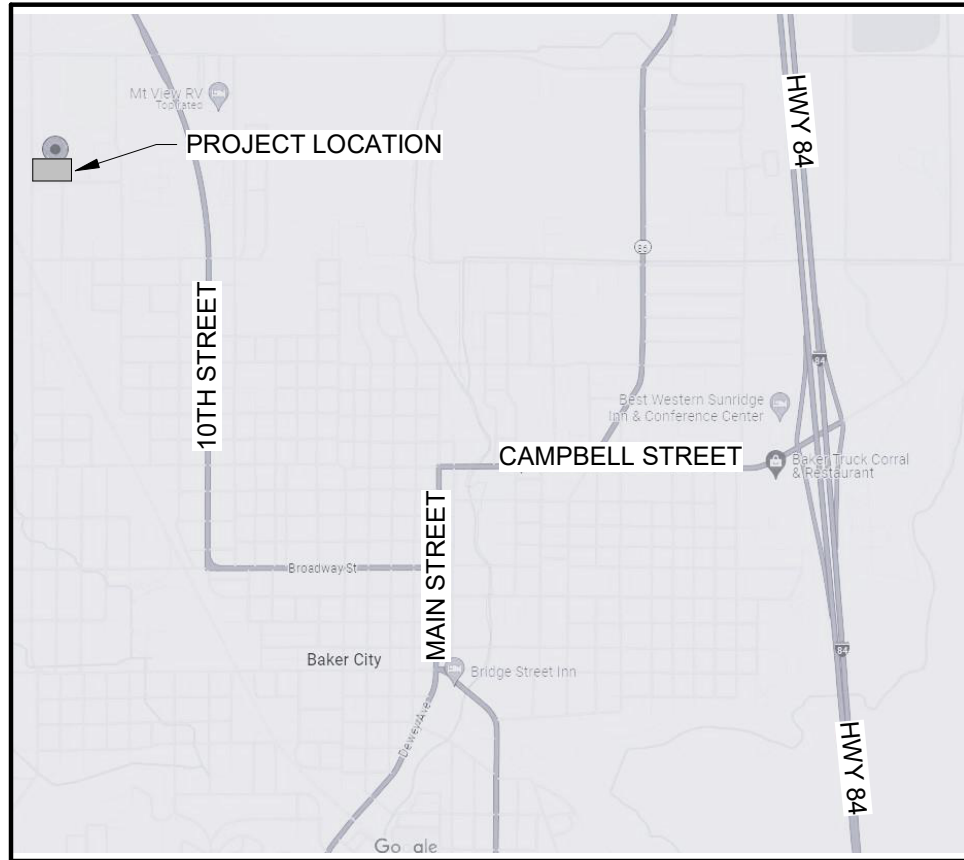
SHEET NAME

COVER SHEET

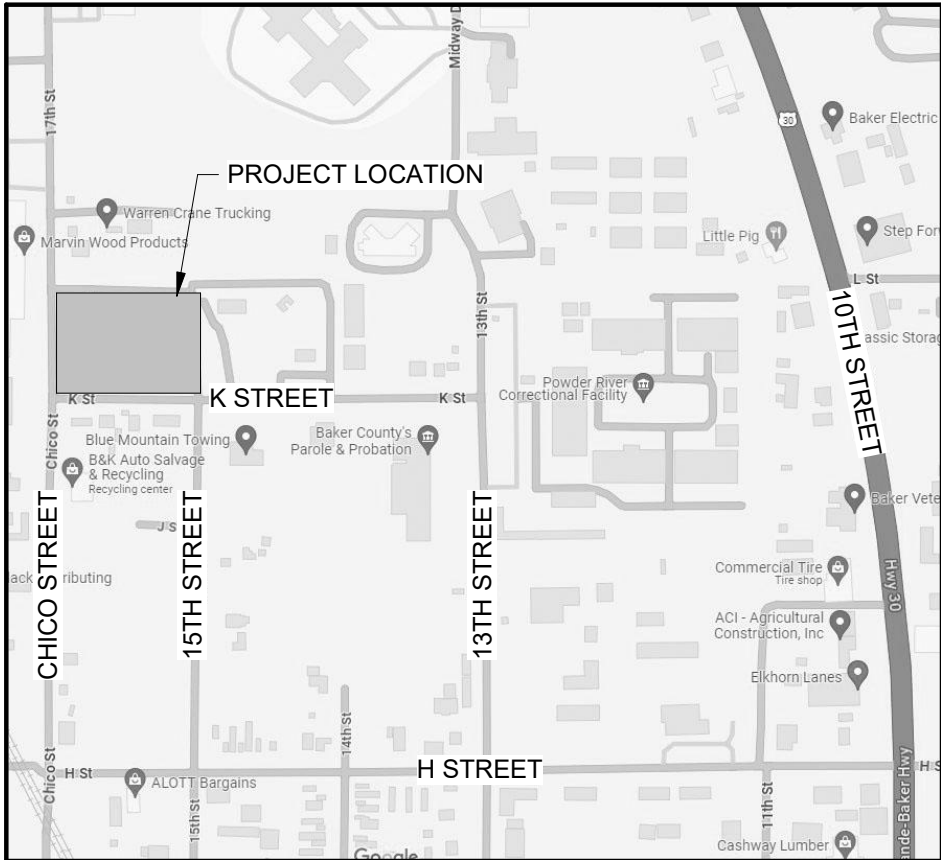
SHEET NUMBER

G000

AREA MAP



VICINITY MAP



PROJECT SUMMARY

THE PROJECT INVOLVES THE ADDITION OF A NEW, APPROXIMATELY 3,863 SQUARE FOOT OPERATIONS CENTER TO THE EXISTING BAKER COUNTY SHERIFF'S OFFICE. THIS NEW ADDITION WILL INCLUDE A NEW COMMUNICATIONS ROOM, AN EXPANDED 911 DISPATCH CENTER, AND A 50-PERSON CONFERENCE ROOM FOR MEETINGS AND TRAINING SESSIONS. THE GOAL IS TO ENHANCE THE OPERATIONAL CAPABILITY OF THE SHERIFF'S OFFICE, IMPROVE EMERGENCY SERVICE RESPONSE, AND PROVIDE MODERN FACILITIES FOR STAFF AND COMMUNITY USE.

PROJECT INFORMATION

ADDRESS: 3410 K STREET BAKER CITY, OR 97814

PROPERTY DESCRIPTION: SW1/4 SW1/4 SEC.8 T.9S R.40E WM

PARCEL NUMBER: 09S40E08CC

LOT SIZE: Lot 200 - 1.97 Acres
Lot 201 - 1.46 Acres

NUMBER OF STORIES: 1

SQUARE FOOTAGE: (E) 13,110 (N) 3,863 = 16,157 SF

CONSTRUCTION TYPE: VB

OCCUPANCY: A-3, B

LAND USE CODE: GENERAL COMMERCIAL (C-G)

FIRE SPRINKLERS: YES

APPLICABLE CODES

2022 OREGON STRUCTURAL SPECIALTY CODE (OSSC)
2022 OREGON MECHANICAL SPECIALTY CODE (OMSC)
2023 OREGON ELECTRICAL SPECIALTY CODE (OESC)
2023 OREGON PLUMBING SPECIALTY CODE (OPSC)
2022 OREGON FIRE CODE (OFC)
2021 OREGON ENERGY EFFICIENCY SPECIALTY CODE (OEESC)
ICC A117.1-2017 ACCESSIBLE AND USABLE BUILDING AND FACILITIES

DEFERRED SUBMITTALS

- FIRE SPRINKLERS
- FIRE ALARM

DESIGN-BUILD BY GC

- LANDSCAPING

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T5.02	SYSTEMS DETAILS

PROJECT CONTACT INFORMATION

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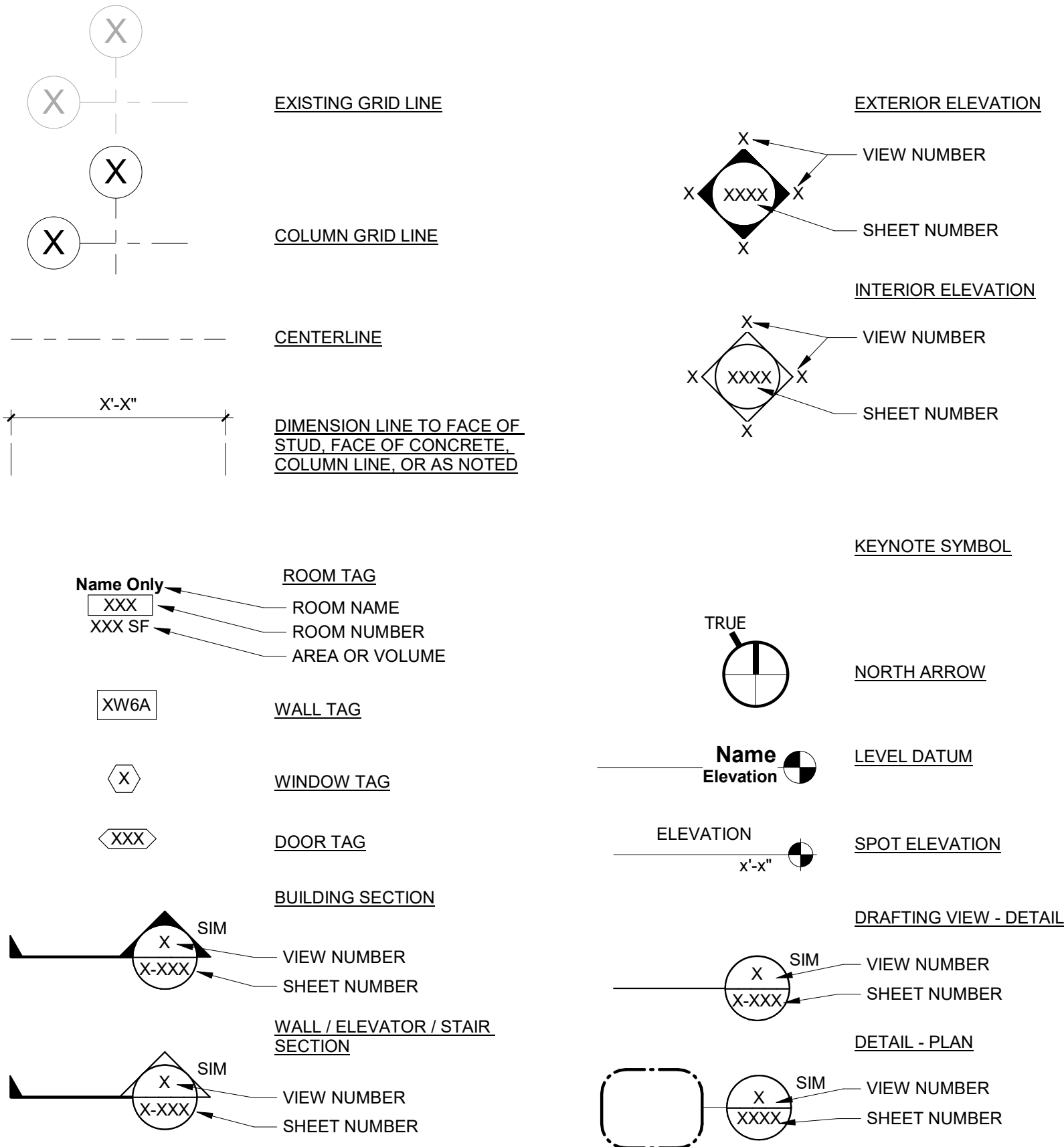
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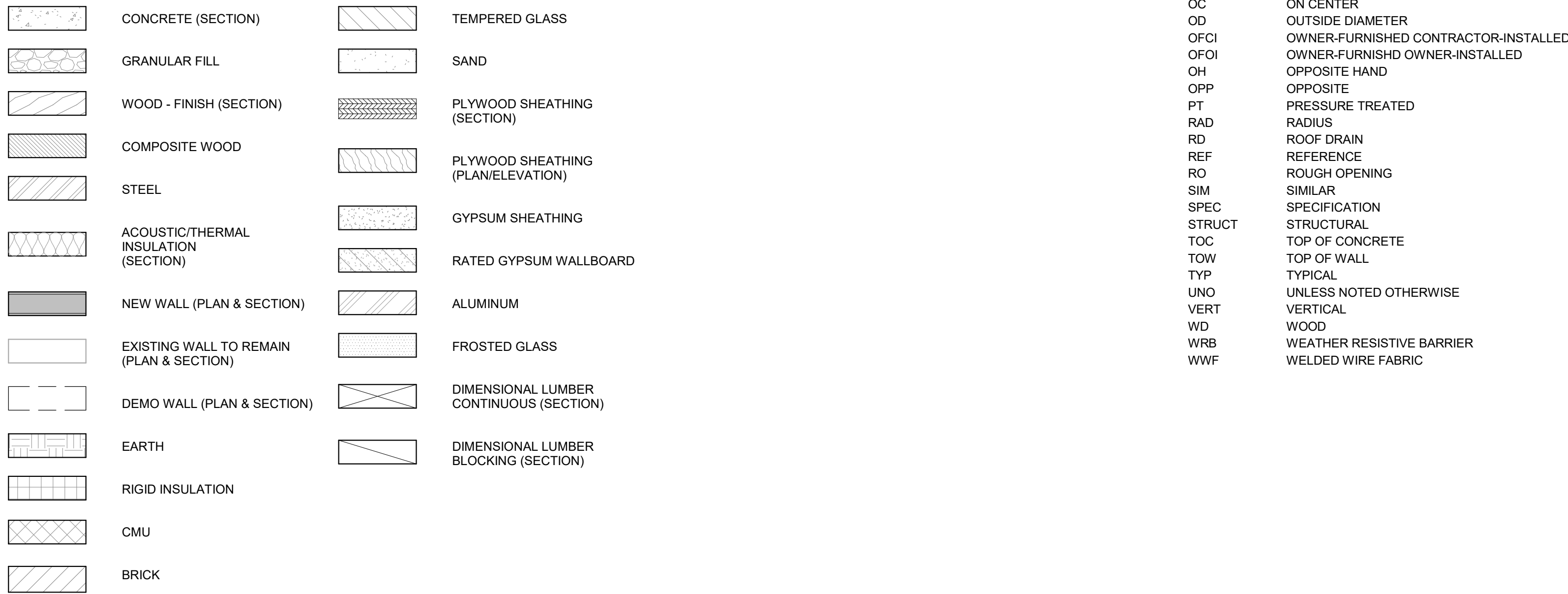
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ARCHITECTURAL SYMBOLS



MATERIALS



ABBREVIATIONS

ACT	ACOUSTIC CEILING TILE
AFF	ABOVE FINISH FLOOR
ALUM or AL	ALUMINUM
APPROX	APPROXIMATELY
BD	BOARD
BLDG	BUILDING
BM	BEAM
CFCI	CONTRACTOR-FURNISHED CONTRACTOR-INSTALLED
CJ	CONTROL/CONSTRUCTION JOINT
CL	CENTER LINE
CLG or CLNG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CTR	CENTER
DBL	DOUBLE
DEMO	DEMOLISH or DEMOLITION
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DN	DOWN
DS	DOWNSPOUT
DWG	DRAWING
(E)	EXISTING
EA	EACH
EJ	EXPANSION JOINT
ELEV	ELEVATION
EQ	EQUAL
EXP	EXPANSION
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FACE
FIN	FINISH
FLR	FLOOR
FRT	FIRE TREATED OR FIRE RETARDANT TREATED
FT	FOOT or FEET
GA	GAUGE
GALV	GALVANIZED
GB or GYP BD	GYPSUM BOARD
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
HB	HOSE BIB
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
INSUL	INSULATION
MAX	MAXIMUM
MECH	MECHANICAL
MFR or MANUF	MANUFACTURER
MIN	MINIMUM
MO	MASONRY OPENING
N/A	NOT APPLICABLE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER-FURNISHED CONTRACTOR-INSTALLED
OFOI	OWNER-FURNISHD OWNER-INSTALLED
OH	OPPOSITE HAND
OPP	OPPOSITE
PT	PRESSURE TREATED
RAD	RADIUS
RD	ROOF DRAIN
REF	REFERENCE
RO	ROUGH OPENING
SIM	SIMILAR
SPEC	SPECIFICATION
STRUCT	STRUCTURAL
TOC	TOP OF CONCRETE
TOW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
WD	WOOD
WRB	WEATHER RESISTIVE BARRIER
WWF	WELDED WIRE FABRIC

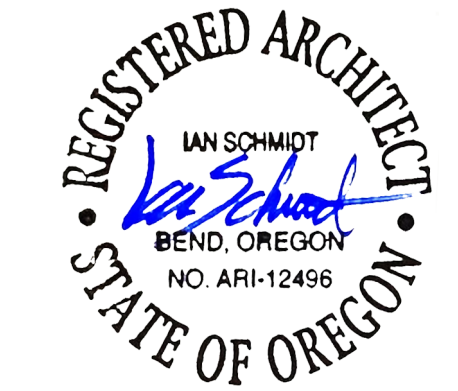
GENERAL NOTES

- A. GENERAL PROJECT NOTES APPLY TO ALL SHEETS & SPECIFICATIONS. CONTRACTOR AND SUB-CONTRACTORS ARE TO REVIEW ALL CONTRACT DOCUMENTS AND COORDINATE THEIR SCOPE OF WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS. INFORMATION COMMON TO SEVERAL DRAWINGS MAY BE NOTED ON ONLY ONE. CONTRACTOR IS RESPONSIBLE FOR ENTIRE SET OF DOCUMENTS.
- B. IF INFORMATION ON SEPARATE SHEETS, DETAILS OR SPECIFICATIONS INDICATE CONFLICTING INFORMATION, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT IMMEDIATELY BEFORE BIDS ARE FINALIZED TO CLARIFY SCOPE OF WORK. IF THE SCOPE OF WORK REMAINS UNCLEAR THEN THE CONTRACTOR OR SUB-CONTRACTOR IS INSTRUCTED TO PRICE AND PROVIDE THE MOST EXPENSIVE SCOPE OF WORK OPTION IN THEIR BID.
- C. COORDINATE CONSTRUCTION ACTIVITY WITH PROJECT SPECIFICATIONS. ALL SPECIFICATIONS, REFERENCED IN DRAWINGS OR NOT, SHALL BE PART THIS PROJECTS SCOPE OF WORK. MIS-NUMBERED (OR MISLABELED) SPECIFICATIONS OR REFERENCES ARE ALSO PART OF THIS PROJECTS SCOPE OF WORK AND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. THE CONTRACTOR IS RESPONSIBLE TO INCORPORATE ALL SPECIFICATIONS INTO THE PROJECTS SCOPE OF WORK.
- D. ALL BUILDING COMPONENTS & PRODUCTS ARE TO BE INSTALLED PER THE MANUFACTURER INTENDED USE AND WRITTEN RECOMMENDATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO: REQUIRED CLEARANCES, REQUIRED ATTACHMENT TECHNIQUES, FASTENING METHODS & APPROVED SUBSTRATES. CONTACT ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH INSTALLATION OF COMPONENTS THAT DO NOT MEET THE MANUFACTURER'S RECOMMENDATIONS.
- E. WHEN APPLICABLE, PROTECT ITEMS THAT ARE TO BE SALVAGED TO THE OWNER. THESE INCLUDE BUT NOT LIMITED TO: WINDOWS, FRAMES, LIGHT FIXTURES, CEILING COMPONENTS, EQUIPMENT, MILLWORK, BATHROOM ACCESSORIES, HANDRAILS, LADDERS, SHELVING & ELECTRONIC DEVICES. WHERE SIZE AND TYPE OF ATTACHMENTS ARE NOT INDICATED, VERIFY SIZE AND TYPE REQUIRED WITH ARCHITECT FOR LOAD CONDITIONS.
- F. WHERE APPLICABLE, ADJUST AND SUPPLEMENT EXISTING FIRE SPRINKLER SYSTEM AS REQUIRED TO COMPLY WITH APPLICABLE FIRE CODE. FIELD VERIFY EXISTING LOCATIONS PRIOR TO SUBMITTING SHOP DRAWINGS.
- G. SCREEN MECHANICAL SYSTEMS FROM TRANSFERRING DUST AND DEBRIS FROM PROJECT AREA TO THE REMAINDER OF THE BUILDING.
- H. DO NOT SCALE DRAWINGS. IF SPECIFIC DIMENSIONS ARE NEEDED CONSULT ARCHITECT. FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED DRAWINGS. WHERE DISCREPANCIES OCCUR, THEY SHALL BE REPORTED TO ARCHITECT FOR RESOLUTION. ALL DIMENSIONS ARE FROM GRIDLINE TO FACE OF STUD, FACE OF CONCRETE, CENTER OF COLUMN OR STEEL, ETC. UNLESS NOTED AS CLEAR, CLR OR OTHERWISE.
- I. DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.
- J. PROVIDE ADEQUATELY SIZED WALL BACKING, BLOCKING, ATTACHMENT PLATES, ANCHORS OR FASTENERS FOR ALL WALL MOUNTED BUILDING COMPONENTS, SUCH AS BUT NOT LIMITED TO MILLWORK, BATHROOM ACCESSORIES, HANDRAILS, LADDERS, SHELVING & ELECTRONIC DEVICES. WHERE SIZE AND TYPE OF ATTACHMENTS ARE NOT INDICATED, VERIFY SIZE AND TYPE REQUIRED WITH ARCHITECT FOR LOAD CONDITIONS.
- K. THE DRAWINGS INDICATE LOCATION, DIMENSIONS, REFERENCE, AND TYPICAL DETAILS OF CONSTRUCTION. WHERE NO MATERIAL NOTES OCCUR, THE GRAPHIC MATERIAL INDICATION SHALL INDICATE MATERIAL TYPES AND ITEMS. SEE SYMBOL AND MATERIALS LIST ON THIS SHEET.
- L. SUBCONTRACTORS FOR EACH TRADE ARE ADVISED THAT INFORMATION PERTINENT TO THEIR WORK MAY OCCUR IN OTHER PORTIONS OF THE CONTRACT DOCUMENTS. ALL NOTES ARE TO BE REVIEWED AND APPLIED TO RELATED BUILDING DOCUMENTS.
- M. WHERE NO MATERIAL NOTES OCCUR, THE GRAPHIC MATERIAL INDICATION SHALL INDICATE MATERIAL TYPES AND ITEMS. SEE SYMBOL AND MATERIALS LIST ON THIS SHEET.
- N. THE U. S. ENVIRONMENTAL PROTECTION AGENCY MUST BE NOTIFIED 10 WORKING DAYS IN ADVANCE FOR ALL RENOVATIONS THAT DISTURB 260 L.F. /160 SQ. FT. /35 CU. FT. OF ASBESTOS CONTAINING MATERIALS.
- O. ALL NEW CONSTRUCTION TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES.
- P. UNLESS OTHERWISE INDICATED ALL DRAWINGS, NOTES WHICH DO NOT READ "N.I.C.", "EXISTING", OR "EXISTING TO REMAIN", OR "BY OTHERS" SHALL INDICATE NEW WORK WHICH SHALL BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED.
- Q. THE CONTRACTOR(S) SHALL KEEP ALL AREAS OF CONSTRUCTION CLEAN AND FREE OF DEBRIS. AFTER CONSTRUCTION IS COMPLETE, THE GENERAL CONTRACTOR SHALL PROVIDE FINAL CLEAN UP. ENFORCE REQUIREMENTS STRICTLY. DISPOSE OF MATERIALS LAWFULLY.
- R. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS FOR ACCURACY PRIOR TO COMMENCING WITH THE WORK. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- S. FIELD MEASUREMENTS: TAKE FIELD MEASUREMENTS AS REQUIRED TO FIT THE WORK PROPERLY. RECHECK MEASUREMENTS BEFORE INSTALLING EACH PRODUCT. WHERE PORTIONS OF THE WORK ARE INDICATED TO FIT TO OTHER CONSTRUCTION, VERIFY DIMENSIONS OF OTHER CONSTRUCTION BY FIELD MEASUREMENTS BEFORE FABRICATION. COORDINATE FABRICATION SCHEDULE WITH CONSTRUCTION PROGRESS TO AVOID DELAYING THE WORK.
- T. THIS PROJECT MAY NOT BE OCCUPIED UNTIL IT RECEIVES A CERTIFICATE OF OCCUPANCY AND FIRE DEPARTMENT APPROVAL FROM GOVERNING JURISDICTION.
- U. COORDINATE STRUCTURAL, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION REQUIREMENTS, ROUTING, AND FIELD VERIFY.
- V. WHERE NEW CONSTRUCTION JOINS WITH EXISTING CONSTRUCTION, ALIGN FINISHED SURFACE OF NEW CONSTRUCTION WITH EXISTING CONSTRUCTION.
- W. WHEN REQUIRED PROVIDE COPY OF FIRE-RESISTANCE RATING ASSEMBLIES TO THE STRUCTURAL INSPECTOR FOR VERIFICATION OF TESTING/LISTING COMPLIANCE AND TO INSPECT ASSEMBLY CONSTRUCTION THEREWITH.
- X. ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATIONS TO THOSE ITEMS REGULATED BY THE CODES MUST BE SUBMITTED TO THE FIELD INSPECTOR FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WITH ANY OF THE PROPOSED WORK RELATED TO THE PROPOSED FIELD CHANGE.
- Y. EXAMINATION AND ACCEPTANCE OF CONDITIONS: BEFORE PROCEEDING WITH EACH COMPONENT OF THE WORK, EXAMINE SUBSTRATES, AREAS, AND CONDITIONS WITH INSTALLER OR APPLICATOR PRESENT WHERE INDICATED, FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE. RECORD OBSERVATIONS.
- Z. EXAMINE ROUGHING-IN FOR MECHANICAL AND ELECTRICAL SYSTEMS TO VERIFY ACTUAL LOCATIONS OF CONNECTIONS BEFORE EQUIPMENT AND FIXTURE INSTALLATION. EXAMINE WALLS, FLOORS, AND ROOFS FOR SUITABLE CONDITIONS WHERE PRODUCTS AND SYSTEMS ARE TO BE INSTALLED. VERIFY COMPATIBILITY WITH AND SUITABILITY OF SUBSTRATES, INCLUDING COMPATIBILITY WITH EXISTING FINISHES OR PRIMERS.
- AA. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. PROCEEDING WITH THE WORK INDICATES ACCEPTANCE OF SURFACES AND CONDITIONS.
- BB. MAKE JOINTS OF UNIFORM WIDTH. WHERE JOINT LOCATIONS IN EXPOSED WORK ARE NOT INDICATED, ARRANGE JOINTS FOR THE BEST VISUAL EFFECT. FIT EXPOSED CONNECTIONS TOGETHER TO FORM HAIRLINE JOINTS.
- CC. GRAPHIC PATTERNS OR HATCHES SHOWN IN DRAWINGS REPRESENT CONSTRUCTION MATERIALS AND ARE NOT TO BE USED AS LITERAL CONSTRUCTION GUIDELINES. CONTRACTOR IS TO COORDINATE ALL MATERIAL LAYOUT PRIOR TO CONSTRUCTION AND PROVIDE WORK BASED ON MANUFACTURES RECOMMENDATIONS AND STANDARD CONSTRUCTION TECHNIQUES. IF QUESTIONS ARISE CONTACT ARCHITECT FOR INTERPRETATION PRIOR TO CONSTRUCTION.
- DD. UNLESS NOTED OTHERWISE CONSTRUCT CASEWORK PER STANDARDS ESTABLISHED BY THE ARCHITECTURAL WOODWORK STANDARDS MOST CURRENT ADDITION. CONSTRUCT PER CUSTOM FINISH STANDARDS.
- EE. THE CONTRACTOR IS RESPONSIBLE FOR BUILDING PURSUANT TO ALL BUILDING CODES IN EFFECT AND TO THE AUTHORITIES HAVING JURISDICTION AS OF THE TIME OF PERMIT ISSUANCE.



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SHEET NAME

PROJECT INFORMATION

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G001

CODE REVIEW

APPLICABLE CODES:
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ICC A117.1-2017 ACCESSIBLE AND USABLE BUILDING AND FACILITIES

OCCUPANCY | OSSC CHAPTER 3:
TYPE B - BUSINESS (CIVIC ADMINISTRATION)
TYPE A-3 - ASSEMBLY WITHOUT FIXED SEATS

OCCUPANCY LOAD:
SEE CODE PLAN & 'OCCUPANCY SCHEDULE' FOR EACH LEVEL.
TOTAL: 53 OCCUPANTS

BUILDING HEIGHT AND AREA | OSSC CHAPTER 5:
BUILDING HEIGHT (TABLE 504.3) ALLOWABLE HEIGHT = 60'-0"
ACTUAL HEIGHT = 18'-0"
NUMBER OF STORIES (TABLE 504.4) ALLOWABLE # STORIES = 3
ACTUAL # STORIES = 1
AREA PER STORY (TABLE 506.2) ALLOWABLE AREA = 36,000 SF
EXISTING BUILDING = 14,751 SF
NEW BUILDING = 3,816 SF
TOTAL AREA/STORY = 18,567 SF

CONSTRUCTION TYPE | OSSC CHAPTER 6:
CONSTRUCTION TYPE: TYPE VB (Risk Category IV)
STRUCTURAL FRAME 0 HR
BEARING WALLS 0 HR
EXTERIOR 0 HR
INTERIOR 0 HR
NON-BEARING WALLS 0 HR
EXTERIOR 0 HR
INTERIOR 0 HR
FLOOR CONSTRUCTION 0 HR
ROOF CONSTRUCTION 0 HR

FIRE PARTITIONS | OSSC CHAPTER 7:
EXTERIOR WALLS = 0 HR
CORRIDORS = 0 HR

FIRE SPRINKLER AND FIRE ALARM | OSSC CHAPTER 9:
YES - FIRE SPRINKLERS (PER IBC SECTION 903.2)
YES - FIRE ALARM SYSTEM (PER IBC SECTION 907.2)

PORTABLE FIRE EXTINGUISHERS:
REQUIRED SPACING OF FIRE EXTINGUISHERS (PER OFC 906.3(1)) = 75'

EXITS | OSSC CHAPTER 10:
1006.2.1 COMMON PATH OF EGRESS ALLOWED: 100' - 0"
ACTUAL: 38' - 6"
1006.2.1.1 MINIMUM NUMBER OF EXITS REQUIRED: 2
ACTUAL: 4
1017.2 MAXIMUM TRAVEL DISTANCE ALLOWED: 250' - 0"
ACTUAL: 78' - 4"

EGRESS WIDTH PER OCCUPANT | OSSC CHAPTER 10:
1ST LEVEL 0.2' PER OCCUPANT
TOTAL EXIT WIDTH REQUIRED 53 X 0.2' = 10.6'
TOTAL EXIT WIDTH PROVIDED 170'

SOLAR READY AREA | OSSC CHAPTER 31:
3111.4.5 REQUIRED ROOF AREA 40%
ROOF AREA 3,557 SF = 1,423 SF REQUIRED
1,572 SF PROVIDED

GENERAL NOTES

- A. ALL CONSTRUCTION ADDENDA, CHANGE ORDERS, OR DESIGN CLARIFICATIONS MUST BE SUBMITTED TO THE BUILDING DEPARTMENT OFFICE STAFF FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION IN THE FIELD. THE FIELD INSPECTOR WILL NOT APPROVE CHANGES TO THESE APPROVED PLANS AND SPECIFICATIONS.
- B. ABBREVIATIONS OR PARTIAL CODE SECTIONS NOTED ON THE PLAN AND PLAN REVIEW LIST ARE INTENDED TO INDICATE THE NATURE OF THE PLAN DEFICIENCY OR GIVE ADDITIONAL INFORMATION. THE FULL TEXT OF THE CODE, AS INDICATED BY THE CODE SECTION REFERENCED, ALWAYS APPLIES.
- C. THE ISSUANCE OR GRANTING OF A PERMIT OR APPROVAL OF PLANS, SPECIFICATIONS, AND COMPUTATIONS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE IBC OR ANY OTHER JURISDICTION. PERMITS PRESUMING TO GIVE AUTHORITY TO VIOLATE OR CANCEL THE PROVISIONS OF THE IBC OR OTHER ORDINANCES OF THIS JURISDICTION SHALL NOT BE VALID.
- D. APPROVAL AS A RESULT OF AN INSPECTION SHALL NOT BE CONSTRUED TO BE AN APPROVAL OF VIOLATIONS OF THE PROVISIONS OF THE IBC OR OF OTHER ORDINANCES OF THIS JURISDICTION. INSPECTIONS PRESUMING TO GIVE AUTHORITY TO VIOLATE OR CANCEL THE PROVISIONS OF THE IBC OR OF OTHER ORDINANCES OF THIS JURISDICTION SHALL NOT BE VALID.
- E. ALL EXTERIOR GATES ARE TO HAVE PANIC HARDWARE AND SELF-CLOSING HINGES
- F. PROVIDE DIRECTIONAL SIGNAGE INDICATING THE LOCATION OF ALL OTHER MEANS OF EGRESS AND WHICH OF THOSE ARE ACCESSIBLE MEANS OF EGRESS AT ALL:
a. EXITS SERVING A REQUIRED ACCESSIBLE SPACE BUT NOT PROVIDING AN APPROVED ACCESSIBLE MEANS OF EGRESS.
b. AT ELEVATOR LANDINGS
- G. ALL SIGNS TO CONFORM TO CURRENT LOCAL CODE AND ORDINANCES. IF CONFLICT ARISES, GC TO NOTIFY ARCHITECT PRIOR TO FABRICATION
- H. TOP OF FIRE EXTINGUISHER CABINET TO BE MOUNTED AT 48" AFF.

LIFE SAFETY LEGEND

OCCUPANCY TAG
XXX ROOM NAME
XXX ROOM AREA
XXX-XXX OCCUPANT TYPE
XXX-XXX OCCUPANT LOAD FACTOR
XXX OCCUPANCY LOAD

⊗ BUILDING EXIT & OVERHEAD EXIT SIGNAGE PER JURISDICTION REQUIREMENTS

FE FIRE EXTINGUISHER

FEC SEMI-RECESSED FIRE EXTINGUISHER CABINET OR APPROVED EQUAL

--- CPET = COMMON PATH OF EGRESS TRAVEL

--- TRT = TOTAL ROUTE OF TRAVEL

⊗ EXIT OCCUPANCY LOAD

(E) WALL

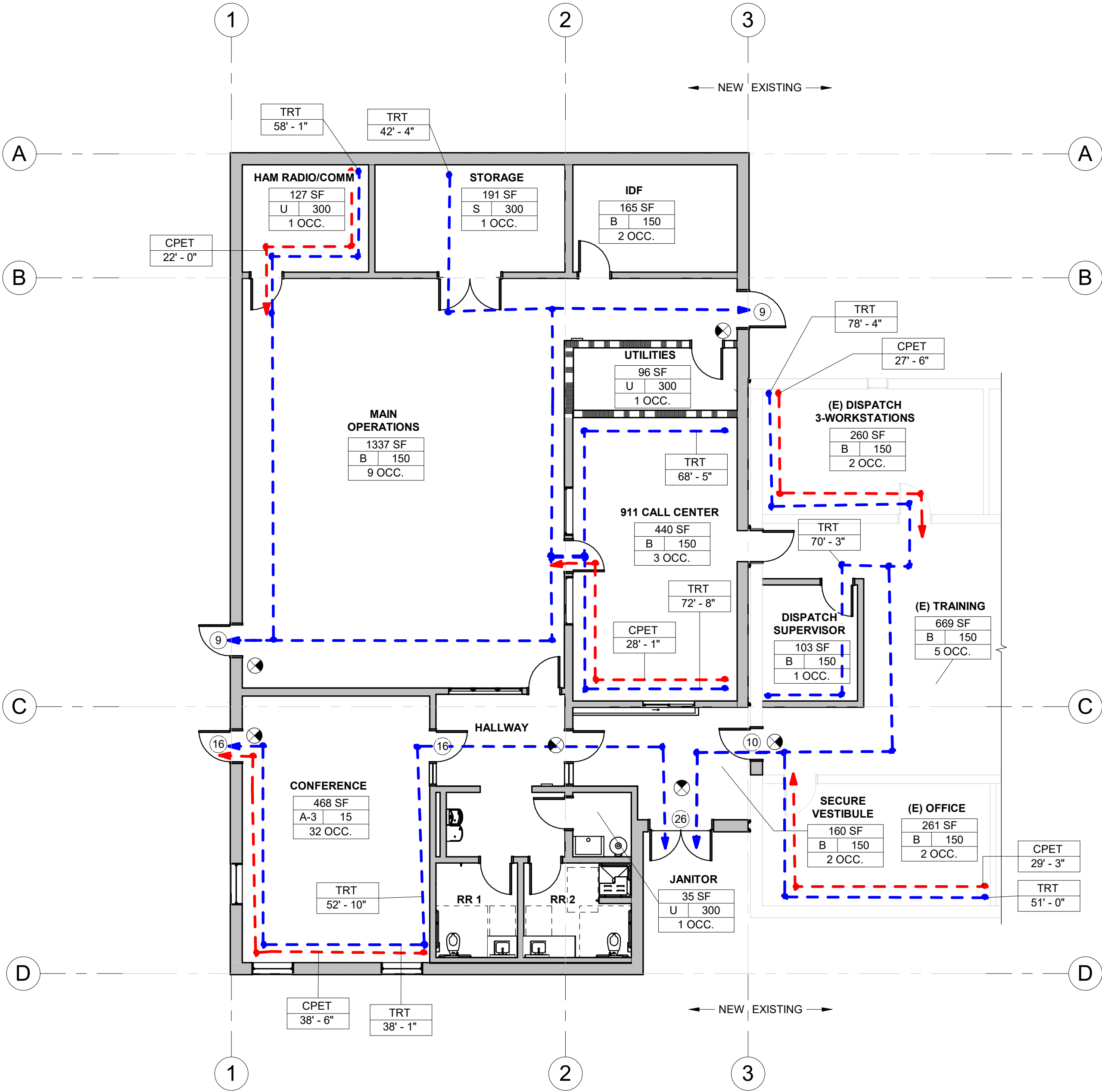
(N) WALL

(N) 2 HR RATED WALL

🔊 FIRE ALARM HORN AND STROBE

⚡ FIRE ALARM STROBE

F FIRE ALARM



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

PLUMBING FIXTURE COUNT

USED GROUP	NO. OF OCCUPANTS	REQUIRED WATER CLOSET		REQUIRED LAVATORIES		REQUIRED DRINKING FOUNTAIN
		MALE	FEMALE	MALE	FEMALE	
A-3	27	1 PER 125	1 PER 65	1 PER 200		1 PER FLOOR
		1	1	1		1
B	29	1 PER 25 FOR FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50	1 PER 25 FOR FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50	1 PER 40 FOR FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80		1 PER 100
		2	2	1		1
TOTAL REQUIRED		3	3	2		1
TOTAL PROVIDED		2	2	2		1

OCCUPANCY SCHEDULE

ROOM NUMBER	NAME	AREA	OCCUPANCY	FUNCTION OF SPACE	OCCUPANT FACTOR	OCCUPANCY LOAD FACTOR	TOTAL OCCUPANTS	REQUIRED EGRESS WIDTH (INCHES)
105	CONFERENCE	468 SF	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLES & CHAIRS)	NET	15	32	6.40"
	SUBTOTAL:	468 SF					32	6.40"
100	SECURE VESTIBULE	160 SF	B	BUSINESS AREAS	GROSS	150	2	0.40"
106	MAIN OPERATIONS	1,337 SF	B	BUSINESS AREAS	GROSS	150	9	1.80"
109	IDF	165 SF	B	BUSINESS AREAS	GROSS	150	2	0.40"
111	911 CALL CENTER	440 SF	B	BUSINESS AREAS	GROSS	150	3	0.60"
112	DISPATCH SUPERVISOR	103 SF	B	BUSINESS AREAS	GROSS	150	1	0.20"
	SUBTOTAL:	2,205 SF					17	3.40"
108	STORAGE	191 SF	S	STORAGE, STOCK, SHIPPING AREAS	GROSS	300	1	0.20"
	SUBTOTAL:	191 SF					1	0.20"
102	JANITOR	35 SF	U	ACCESSORY STORAGE AREAS (MECH AND EQUIPMENT)	GROSS	300	1	0.20"
107	HAM RADIO/COMM	127 SF	U	ACCESSORY STORAGE AREAS (MECH AND EQUIPMENT)	GROSS	300	1	0.20"
110	UTILITIES	96 SF	U	ACCESSORY STORAGE AREAS (MECH AND EQUIPMENT)	GROSS	300	1	0.20"
	SUBTOTAL:	258 SF					3	0.60"
	TOTAL:	3,123 SF					53	10.60"



1000 NW Wall St, Ste 205
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CONSULTANT

PROJECT INFORMATION

BAKER EMERGENCY OPERATIONS CENTER

3410 K STREET BAKER CITY, OR 97814

ISSUES

PHASE		BID DOCUMENTS	
DATE		ISSUE DATE: 05/16/2025	
JOB NUMBER		COLE PROJECT: 23-105-OF	
MARK	DATE	DESCRIPTION	

SHEET NAME

CODE ANALYSIS

SHEET NUMBER

G010

BAKER COUNTY EMERGENCY OPERATIONS CENTER

SITUATED IN THE SOUTHWEST QUARTER OF SECTION 8, TOWNSHIP 9 SOUTH, RANGE 40 EAST OF WILLAMETTE MERIDIAN,
LOCATED IN THE CITY OF BAKER CITY,
COUNTY OF BAKER, STATE OF OREGON.

OWNERS

BAKER COUNTY
3410 K ST.
BAKER, OREGON 97814

GEOTECH

LIBERTY GEOTECHNICAL ENGINEERING, INC.
3012 N SULLIVAN ROAD,
SPOKANE VALLEY, WASHINGTON 99216
BRIAN BINSFIELD

CIVIL ENGINEER

NASLAND ENGINEERING
1109 W MAIN STREET, SUITE 660
BOISE, IDAHO 83702
(208) 593-4676
MICHAEL NASLAND, PE

ARCHITECT

COLE ARCHITECTS
1000 NW WALL STREET, SUITE 205
BEND, OREGON 97701
IAN SCHMIDT

LAND SURVEYOR

STATEWIDE LAND SURVEYING
1915 BAKER AVENUE,
BAKER CITY, OREGON 97814
(503) 665-7777
ERIC HYATT, PLS

NOTES

TOTAL AREA: 1.95 ACRES

RIGHT-OF-WAY SETBACK: CODE REQUIRED 0 FEET,
PROVIDED 39 FEET

EASEMENTS: NO EASEMENTS DEPICTED ON SURVEY
BY STATEWIDE LAND SURVEYING

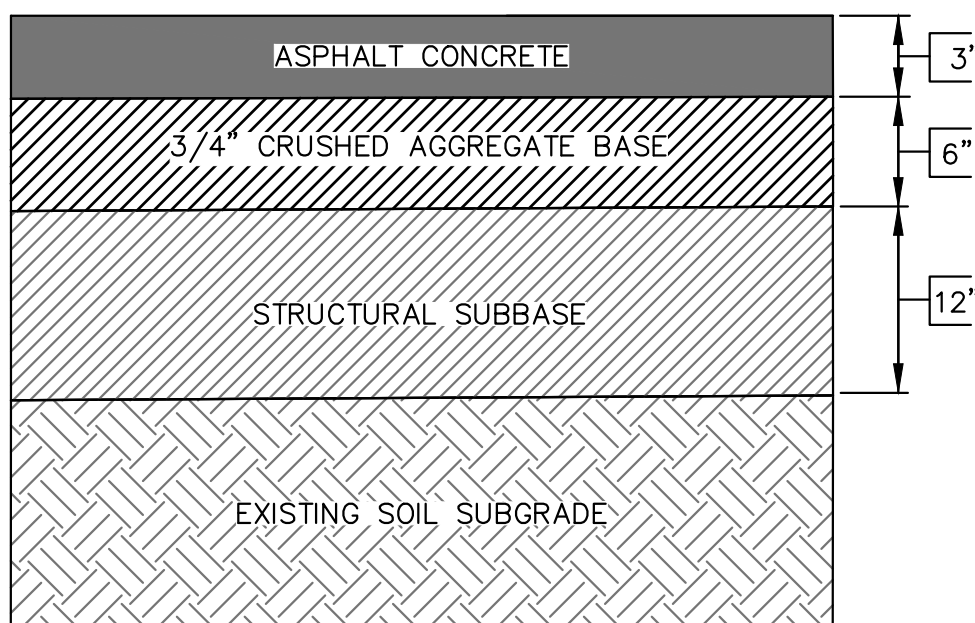
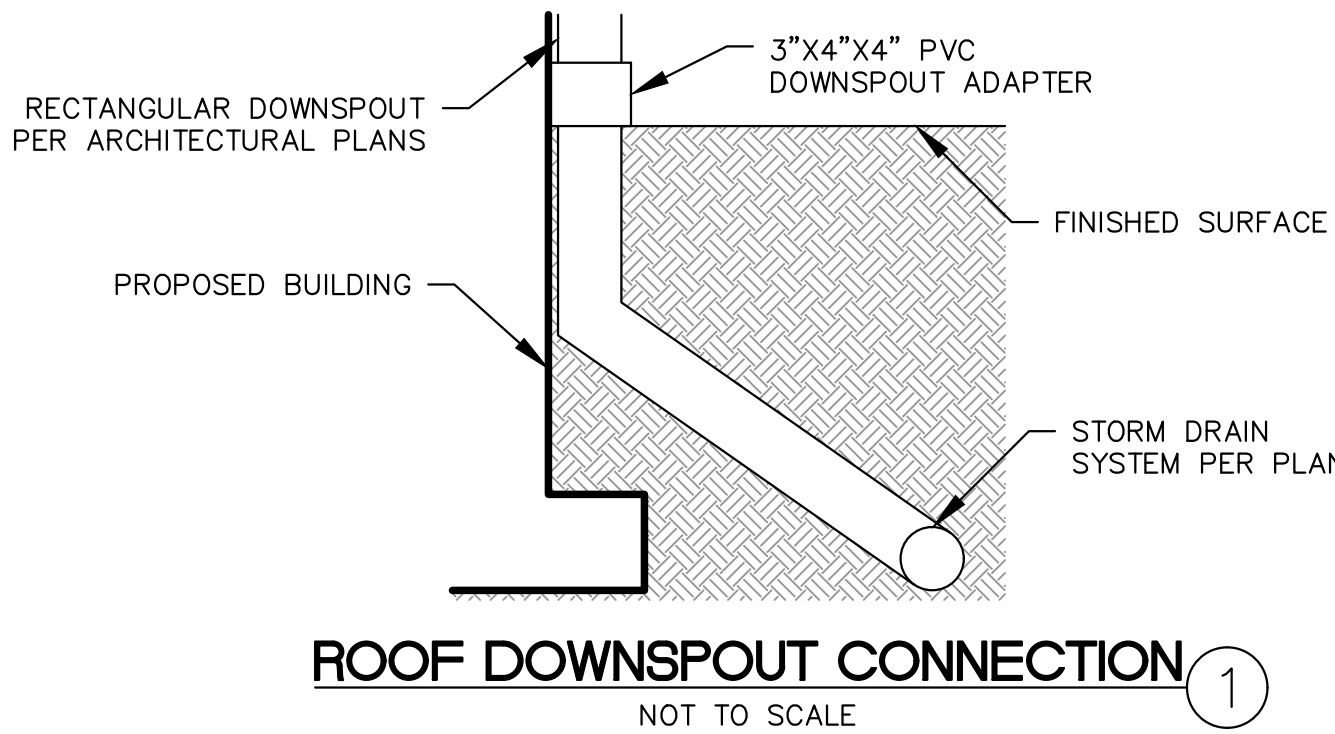
PROPOSED EXPANSION: ±3,607 S.F.

SITE COVERAGE

PRE-DEVELOPMENT:	POST-DEVELOPMENT:
BUILDING: 13,110 S.F.	BUILDING: 16,717 S.F.
IMPERVIOUS: 64,719 S.F.	IMPERVIOUS: 67,473 S.F.
PERVIOUS: 17,994 S.F.	PERVIOUS: 15,009 S.F.
LANDSCAPING: 12,863 S.F.	LANDSCAPING: 9,898 S.F.

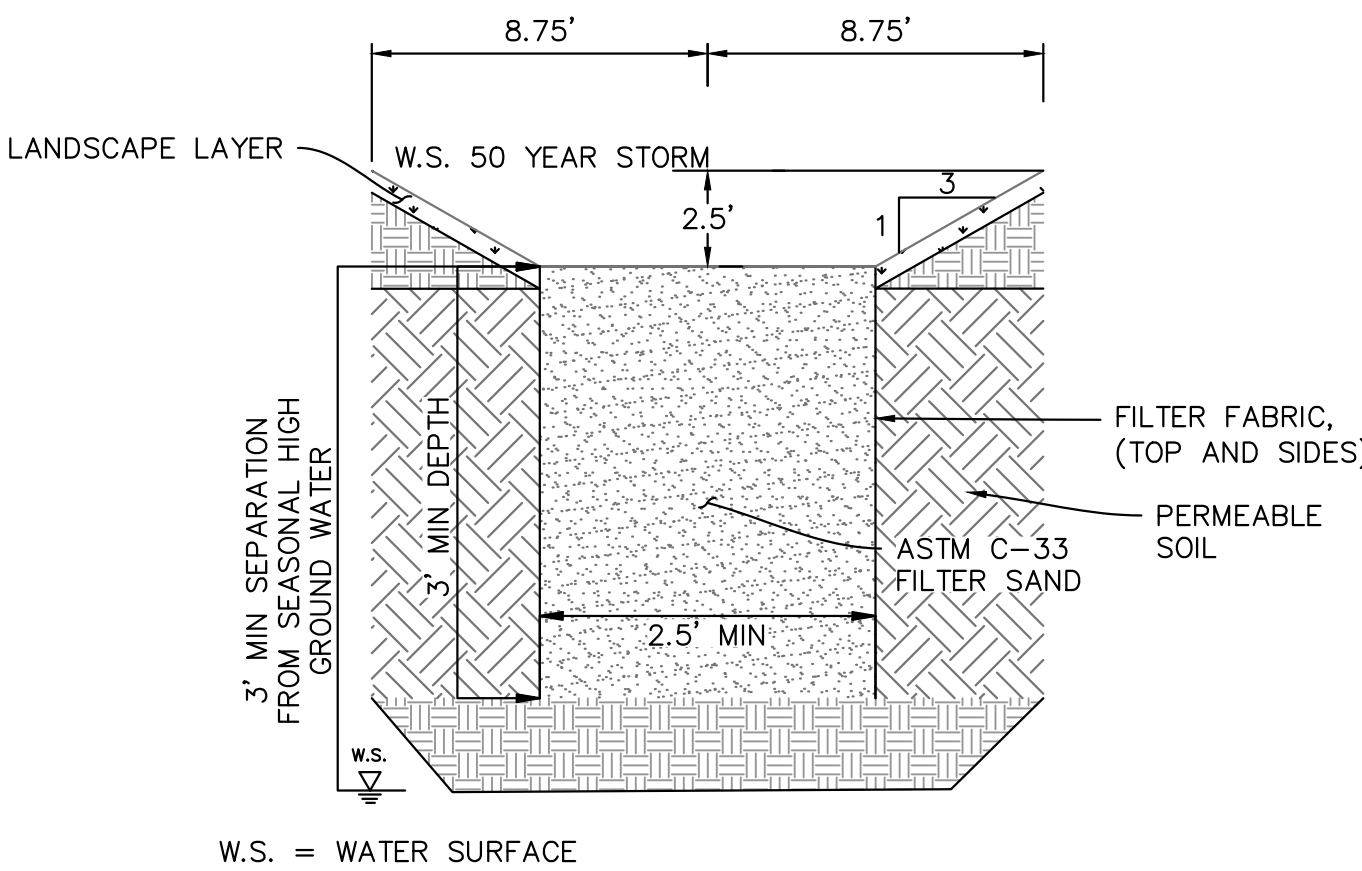
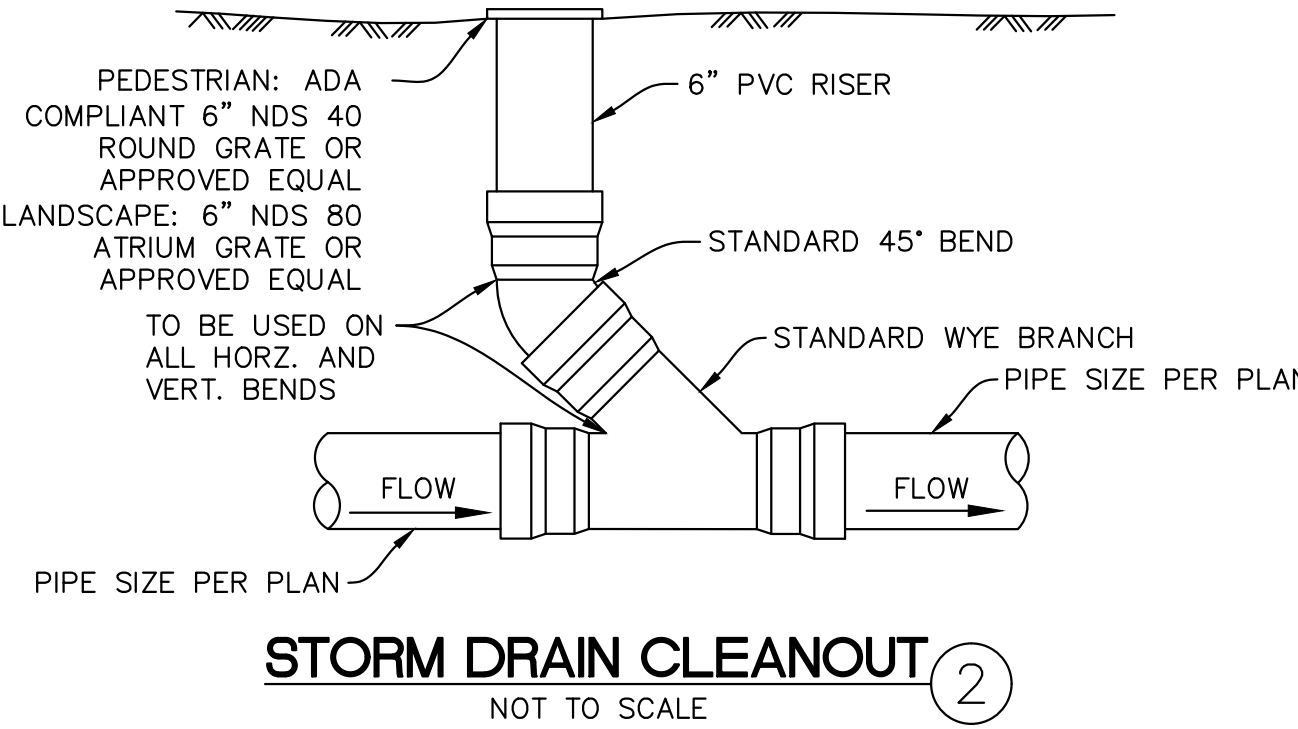
SHEET INDEX

C0.0	NOTES AND DETAILS
C1.0	EXISTING CONDITIONS AND SITE DEMOLITION PLAN
C2.0	SITE IMPROVEMENT PLAN
C3.0	PRECISE GRADING PLAN
C4.0	SURFACE WATER RETENTION PLAN
ESC1	EROSION AND SEDIMENTATION CONTROL PLAN



NOTE: REFER TO GEOTECHNICAL ENGINEERING REPORT PREPARED BY LIBERTY GEOTECH DATED JULY26, 2024 FOR ADDITIONAL RECOMMENDATION.

PRIVATE AC PAVEMENT DETAIL ③
NOT TO SCALE



W.S. = WATER SURFACE

NOTES:
1.THE FLOOR OF SURFACE INFILTRATION FACILITY SHALL BE LOCATED A MINIMUM OF 3 FEET ABOVE HIGH GROUNDWATER LEVEL OR BEDROCK.
2.THE FLOOR OF SURFACE INFILTRATION FACILITIES SHALL HAVE A MINIMUM DEPTH OF 3 FEET OF FILTER SAND MEETING THE REQUIREMENTS OF ASTM C-33, UNLESS 4 FEET OR MORE OF CLEARANCE TO HIGH GROUNDWATER, THEN THE DEPTH OF FILTER SAND MAY BE REDUCED TO 18 INCHES.
3.IF NATIVE MATERIAL DIRECTLY BELOW THE FILTER SAND DOES NOT HAVE AN INFILTRATION RATE EQUAL TO OR EXCEEDING THE DESIGN INFILTRATION RATE, 6\"/>

INFILTRATION BASIN DETAIL ④
NOT TO SCALE

LEGEND

---	PROPERTY BOUNDARY LINE
•	DENOTES FOUND MONUMENT
W	WATER METER
□	POWER TRANSFORMER
○	ELECTRICAL METER
□	ELECTRICAL BOX
○	GAS METER
○	TELEPHONE MANHOLE
○	SEWER MANHOLE
⋈	IRRIGATION CONTROL
☀	STREET LIGHT
⋈	SPRINKLER
---	EXISTING WATER LINE
---	EXISTING SANITARY SEWER LINE
---	EXISTING GAS LINE
---	EXISTING COMMUNICATION LINE
---	EXISTING ELECTRICITY LINE
---	EXISTING OVERHEAD UTILITY LINE
---	PROPOSED CONCRETE
---	PROPOSED CURB STOP
---	PROPOSED WATER METER
---	PROPOSED WATER LINE
---	SAWCUT
---	LIMITS OF WORK

ABBREVIATIONS

(XXXX.XXFG)	= EXISTING ELEVATION
XXXX.XXFS	= PROPOSED ELEVATION
AC	= ASPHALT CONCRETE
BB	= BOTTOM OF BASIN
EG	= EXISTING GRADE
FF/FFE	= FINISHED FLOOR ELEVATION
FG	= FINISHED GRADE
FS	= FINISHED SURFACE
IE	= INVERT ELEVATION
TB	= TOP OF BASIN
TC	= TOP OF CURB
TG	= TOP OF GRATE



VICINITY MAP
NOT TO SCALE

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ARCHITECTS

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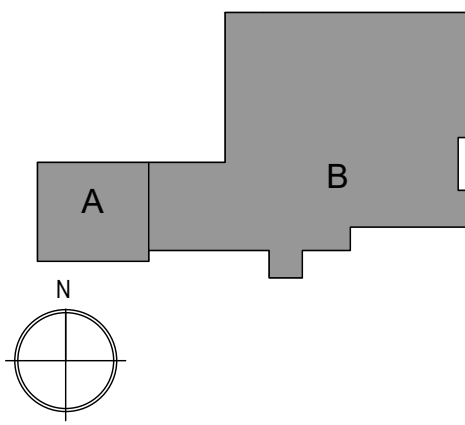


PROJECT INFORMATION

BAKER EMERGENCY OPERATIONS CENTER

3410 K STREET BAKER CITY, OR 97814

KEY PLAN



ISSUES

HASE		BID DOCUMENTS
DATE		05/14/2025
JOB NUMBER		323-149.1
MARK	DATE	DESCRIPTION

SHEET NAME

NOTES AND DETAILS

SHEET NUMBER

C0.0



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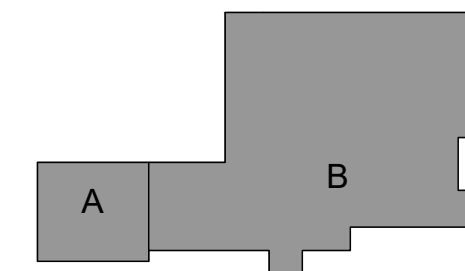


PROJECT INFORMATION

BAKER EMERGENCY OPERATIONS CENTER

3410 K STREET BAKER CITY, OR 97814

KEY PLAN



ISSUES

PHASE	BID DOCUMENTS
DATE	05/14/2025
JOB NUMBER	323-149.1

MARK	DATE	DESCRIPTION
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SHEET NAME

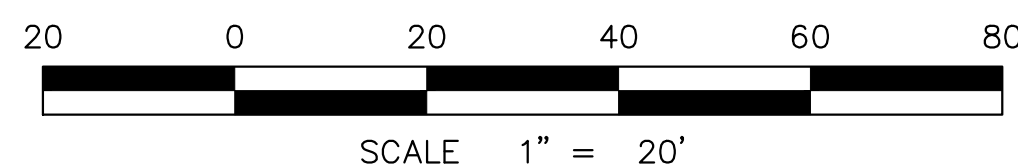
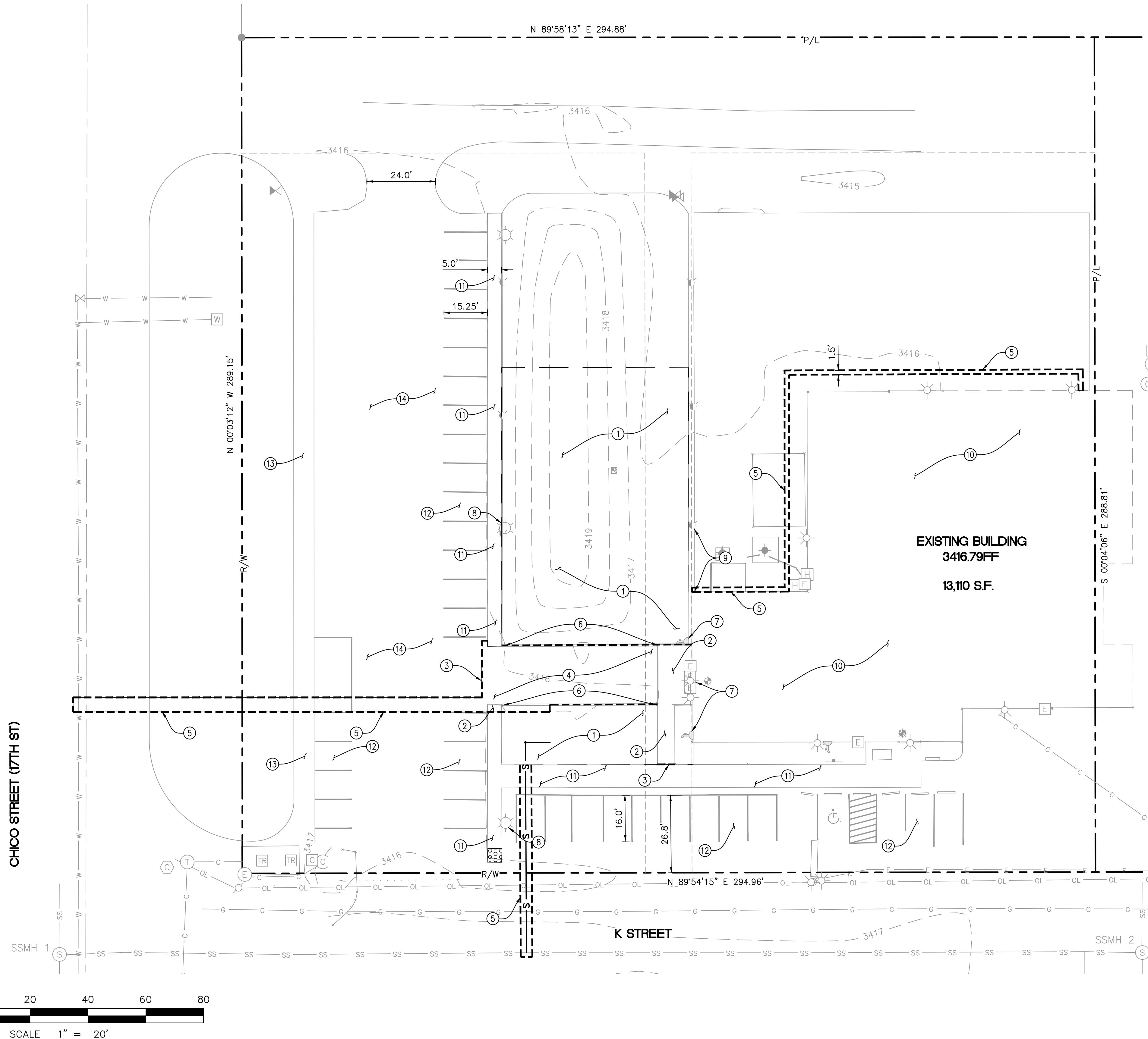
EXISTING
CONDITIONS AND
SITE DEMOLITION
PLAN

SHEET NUMBER

C1.0

CONSTRUCTION NOTES

- 1 REMOVE AND REPLACE EXISTING LANDSCAPING AND IRRIGATION AS NECESSARY FOR CONSTRUCTION OF THE PROPOSED EXPANSION AND SITE IMPROVEMENTS. IF LANDSCAPE AND/OR IRRIGATION IS DISTURBED DURING PROPOSED IMPROVEMENTS, CONTRACTOR SHALL INSTALL NEW LANDSCAPING AND/OR IRRIGATION TO MATCH EXISTING CONDITIONS. REFER TO LANDSCAPE AND IRRIGATION PLANS FOR ADDITIONAL INFORMATION.
- 2 REMOVE EXISTING SIDEWALK AND BASE TO SUBGRADE.
- 3 SAWCUT LINE.
- 4 REMOVE EXISTING AC PAVEMENT AND BASE TO SUBGRADE.
- 5 SAWCUT, REMOVE AND REPLACE BACKFILL, BASE AND PAVEMENT FOR UTILITY LINE INSTALLATION.
- 6 CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING CURB.
- 7 EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED AND RELOCATED PER ARCHITECTURAL AND ELECTRICAL PLANS.
- 8 EXISTING LIGHT POLE TO REMAIN AND BE PROTECTED IN PLACE.
- 9 EXISTING FENCE POLE AND FOOTINGS TO BE REMOVED. REFER TO ARCHITECTURAL AND STRUCTURAL PLAN FOR ADDITIONAL INFORMATION.
- 10 EXISTING BUILDING TO REMAIN AND BE PROTECTED IN PLACE.
- 11 EXISTING PCC PAVEMENT TO REMAIN AND BE PROTECTED IN PLACE.
- 12 EXISTING PARKING TO REMAIN AND BE PROTECTED IN PLACE.
- 13 EXISTING GRAVEL TO REMAIN AND BE PROTECTED IN PLACE.
- 14 EXISTING AC PAVEMENT TO REMAIN AND BE PROTECTED IN PLACE.





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CONSULTANT

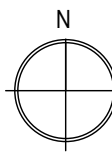
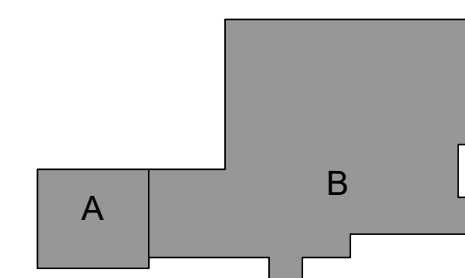


PROJECT INFORMATION

BAKER EMERGENCY OPERATIONS CENTER

3410 K STREET BAKER CITY, OR 97814

KEY PLAN



ISSUES

PHASE		BID DOCUMENT
DATE		05/14/2022
JOB NUMBER		323-149
MARK	DATE	DESCRIPTION

SHEET NAME

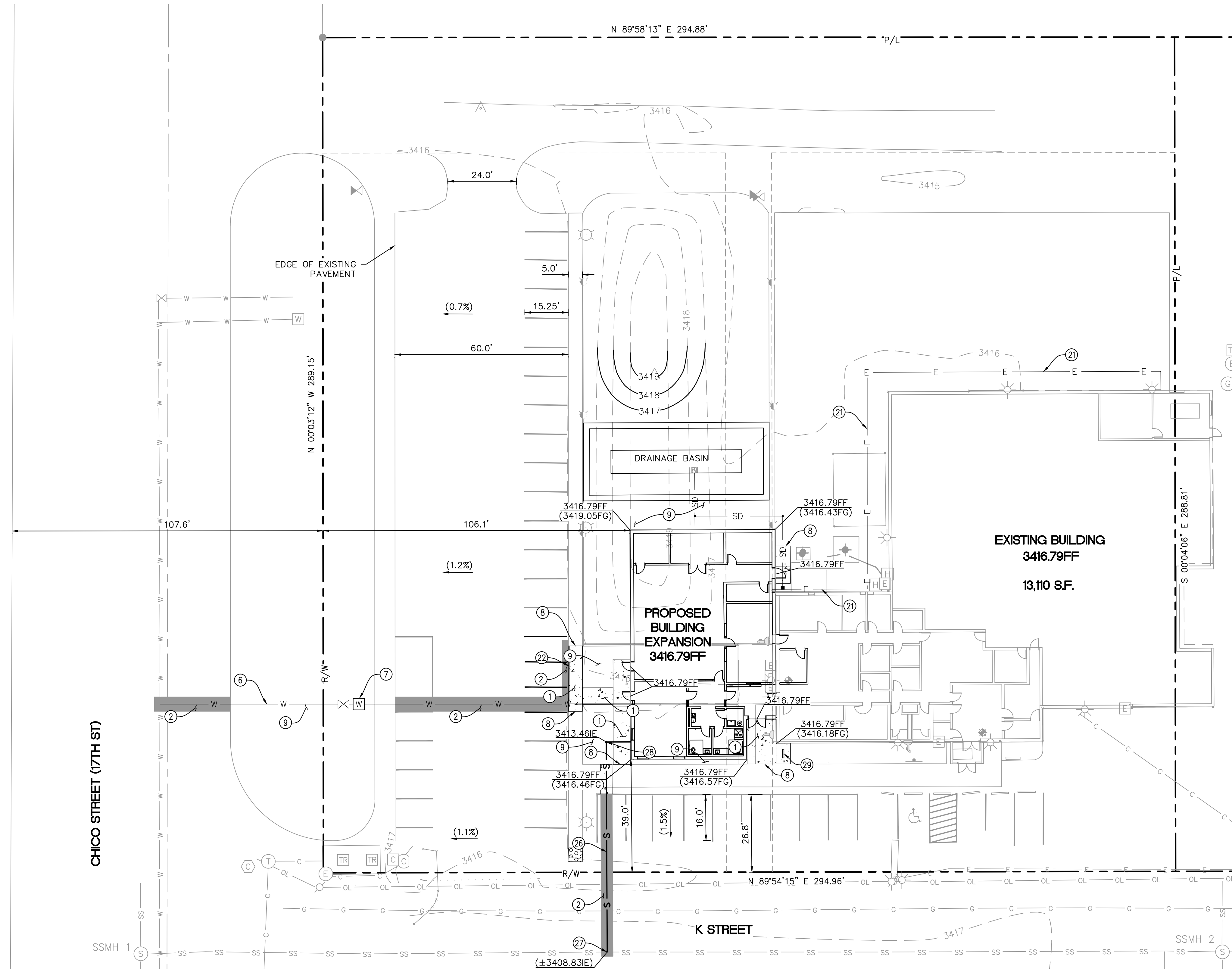
SITE IMPROVEMENT PLAN

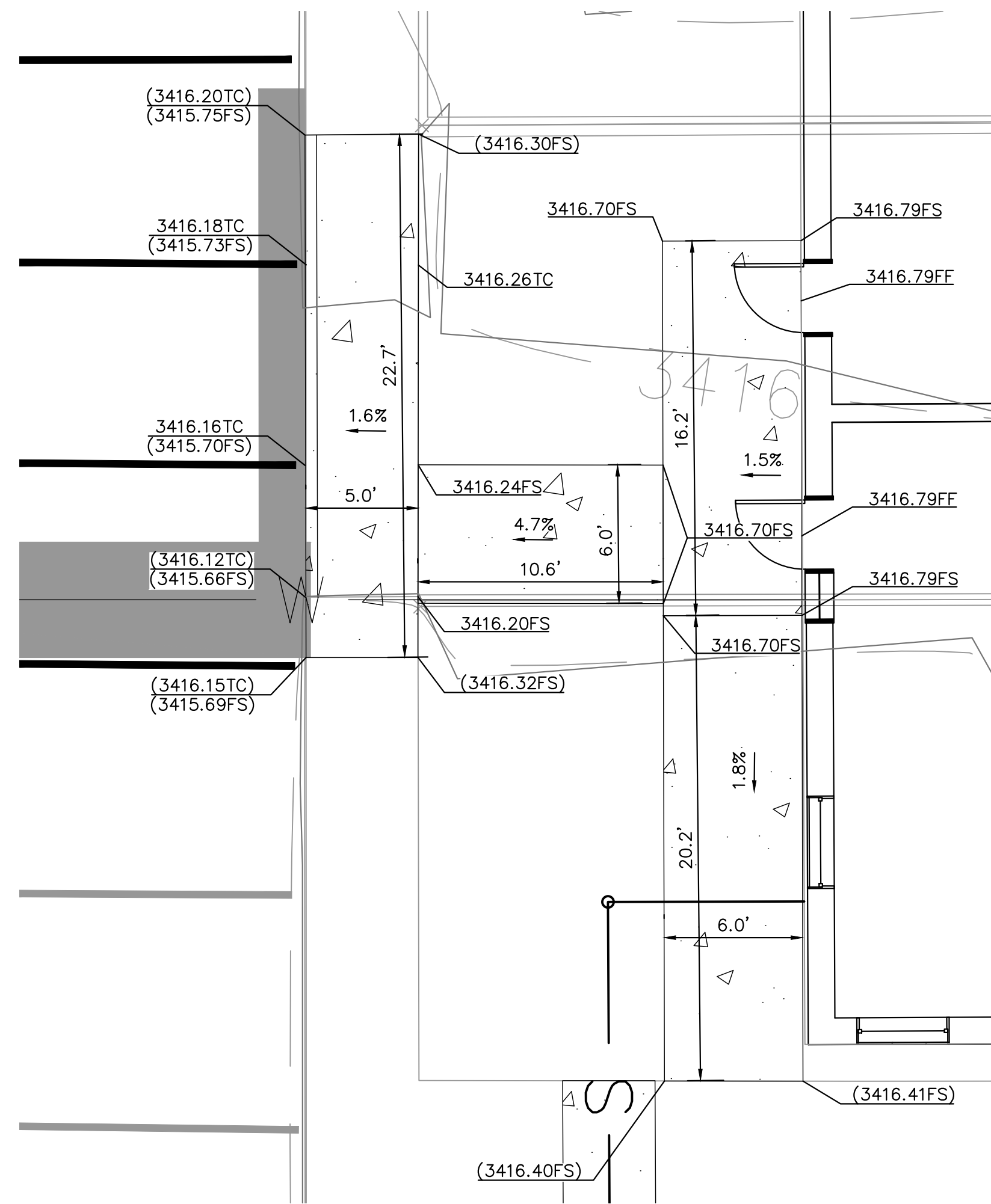
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C2.0

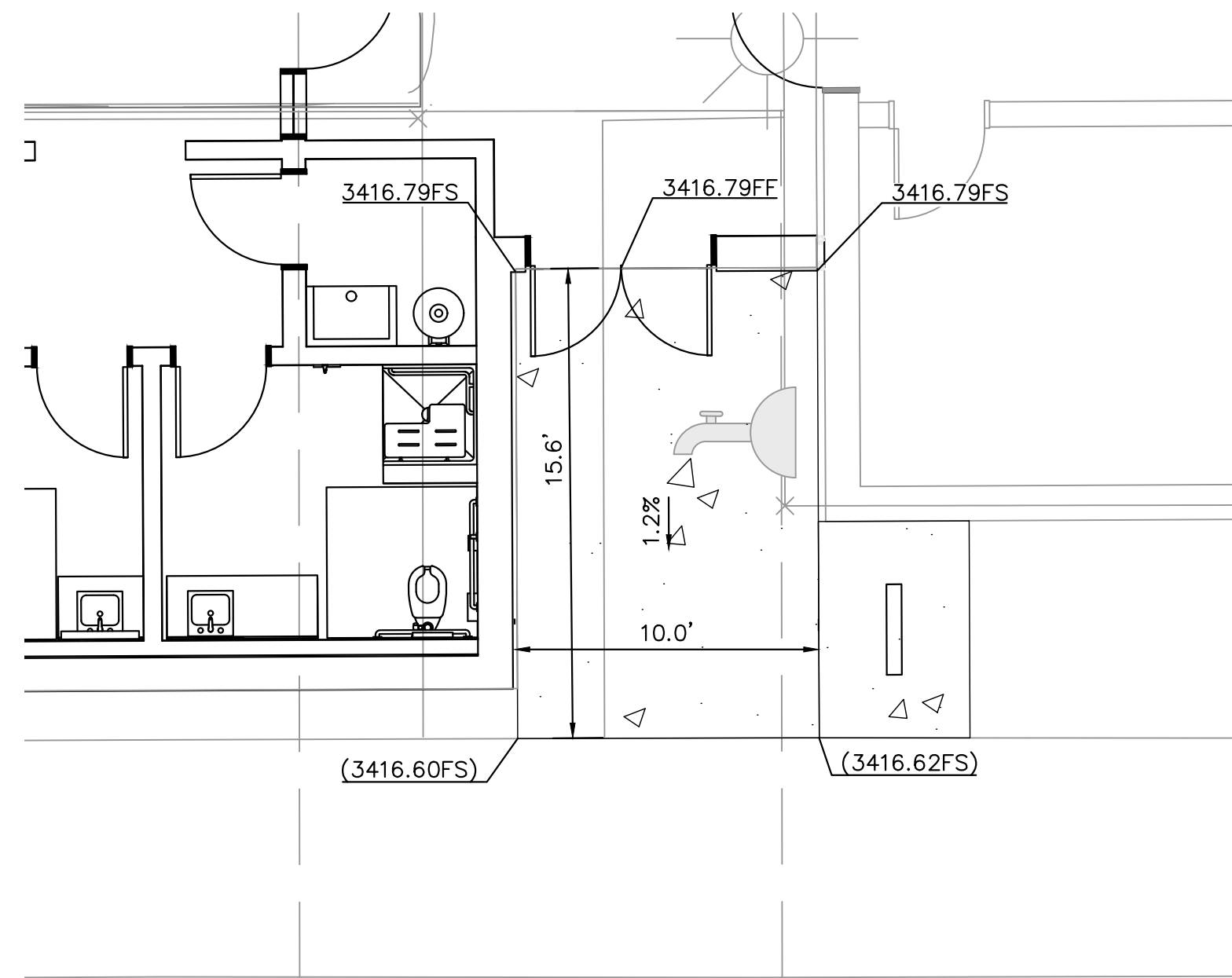
CONSTRUCTION NOTES

1. INSTALL CONCRETE SIDEWALK PER BAKER CITY STANDARD SPECIFICATIONS AND DRAWINGS FIGURE R10.
2. INSTALL AC PAVEMENT AND BASE PER DETAIL 3 ON SHEET C0.0.
6. INSTALL WATER SERVICE LINE PER BAKER CITY STANDARD SPECIFICATIONS AND DRAWINGS FIGURE W1.
7. INSTALL 1" WATER METER PER BAKER CITY STANDARD SPECIFICATIONS AND DRAWINGS FIGURE W1.
8. MATCH EXISTING CONCRETE ELEVATION.
9. PROPOSED LANDSCAPING AND IRRIGATION, REFER TO LANDSCAPE AND IRRIGATION PLANS FOR ADDITIONAL INFORMATION.
21. TRENCH, BACKFILL AND INSTALL CONDUIT FOR POWER FROM EXISTING BUILDING TO PROPOSED BUILDING PER BAKER CITY STANDARD SPECIFICATIONS AND DRAWINGS FIGURE R16. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
22. INSTALL 6" CURB PER BAKER CITY STANDARD SPECIFICATIONS AND DRAWINGS FIGURE R1.
26. PERFORM SEWER SERVICE EXCAVATION, BEDDING, PIPE INSTALLATION AND BACKFILL PER BAKER CITY STANDARD SPECIFICATIONS AND DRAWINGS FIGURE R16. REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.
27. INSTALL SANITARY SEWER SERVICE LINE PER BAKER CITY STANDARD SPECIFICATIONS AND DRAWINGS FIGURE SS8.
28. INSTALL SEWER SERVICE LINE CLEANOUT PER BAKER CITY STANDARD SPECIFICATIONS AND DRAWINGS FIGURE SS5.
29. PROPOSED BIKE RACK, REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

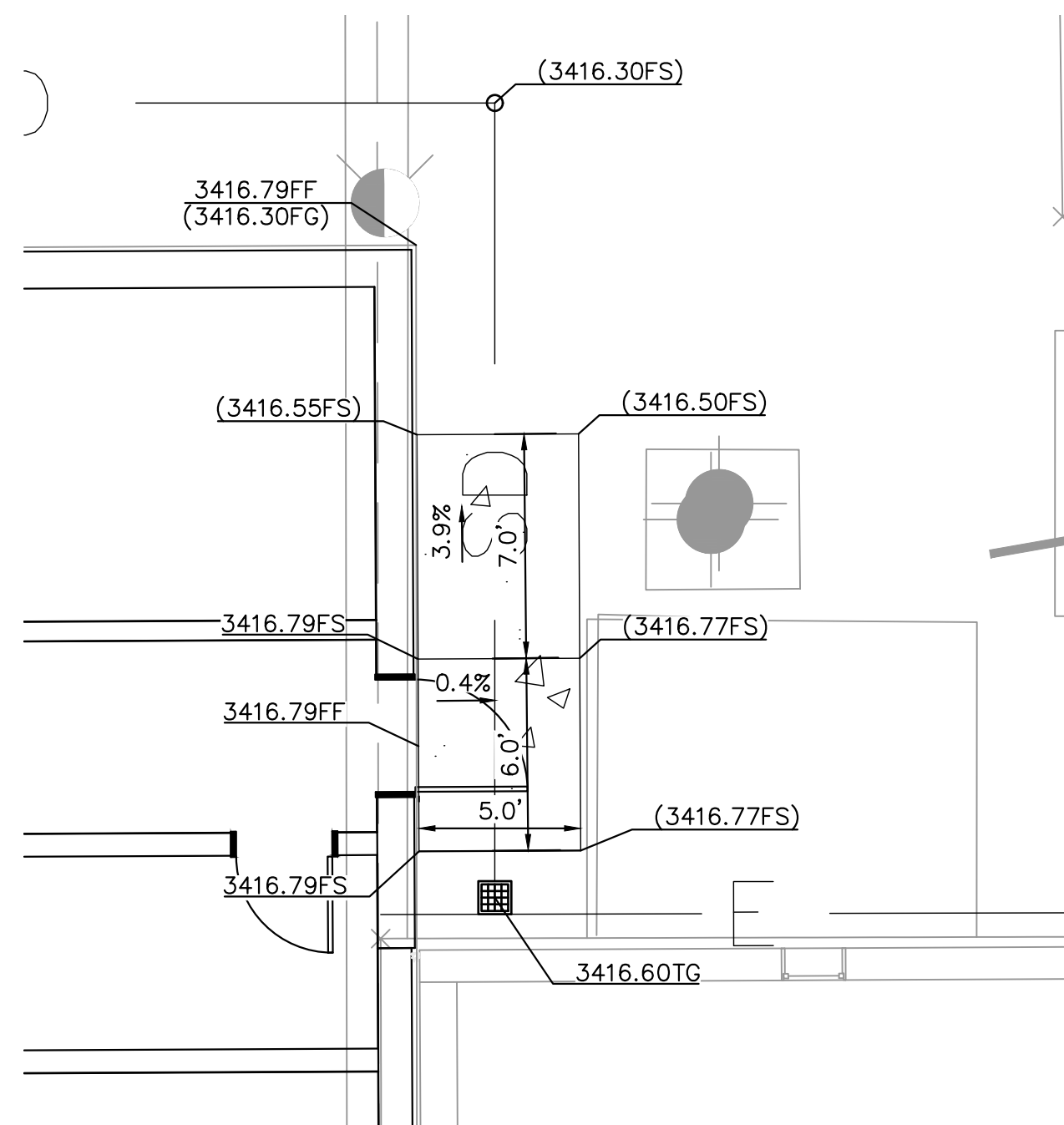




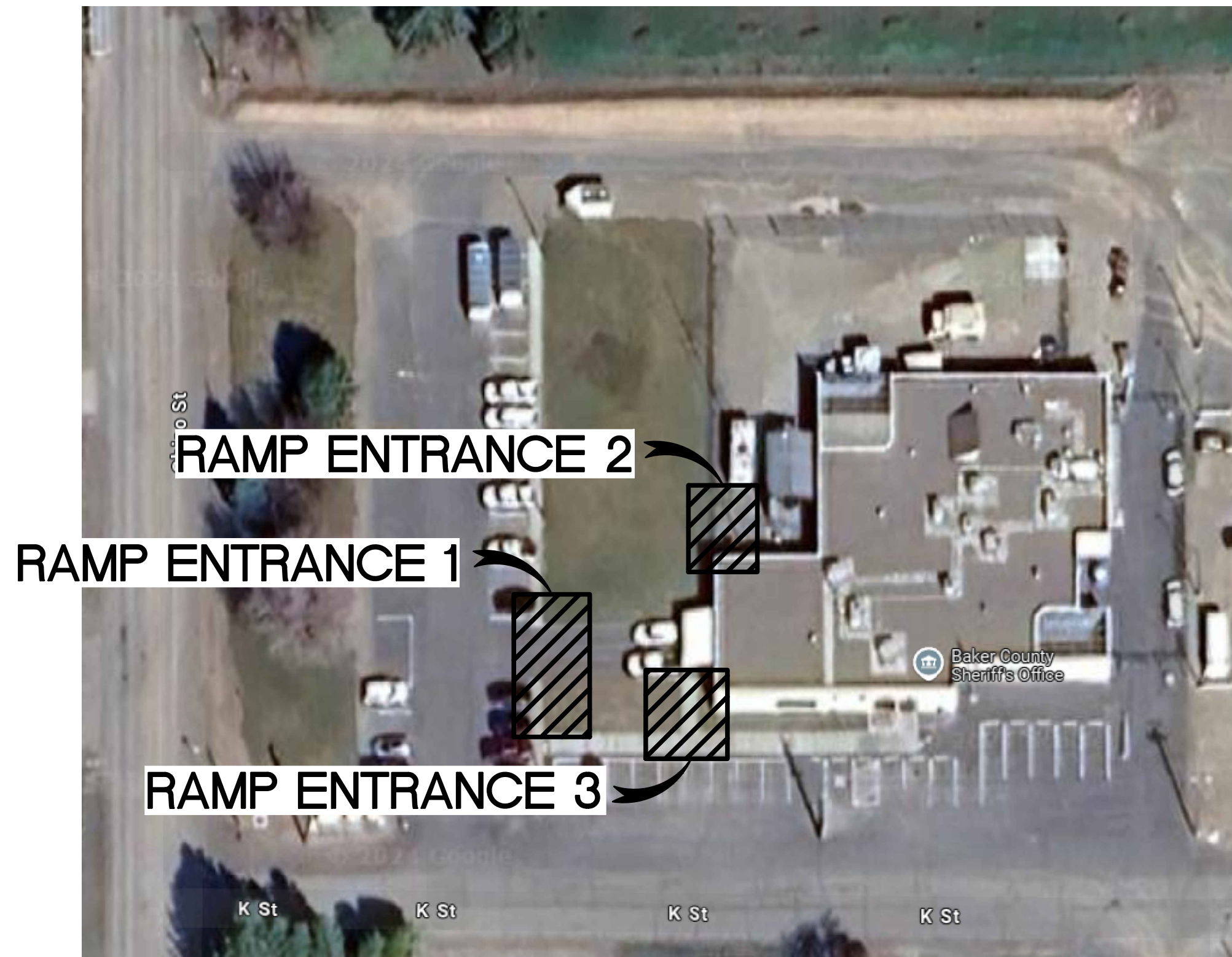
WEST ENTRANCE
RAMP ENTRANCE 1



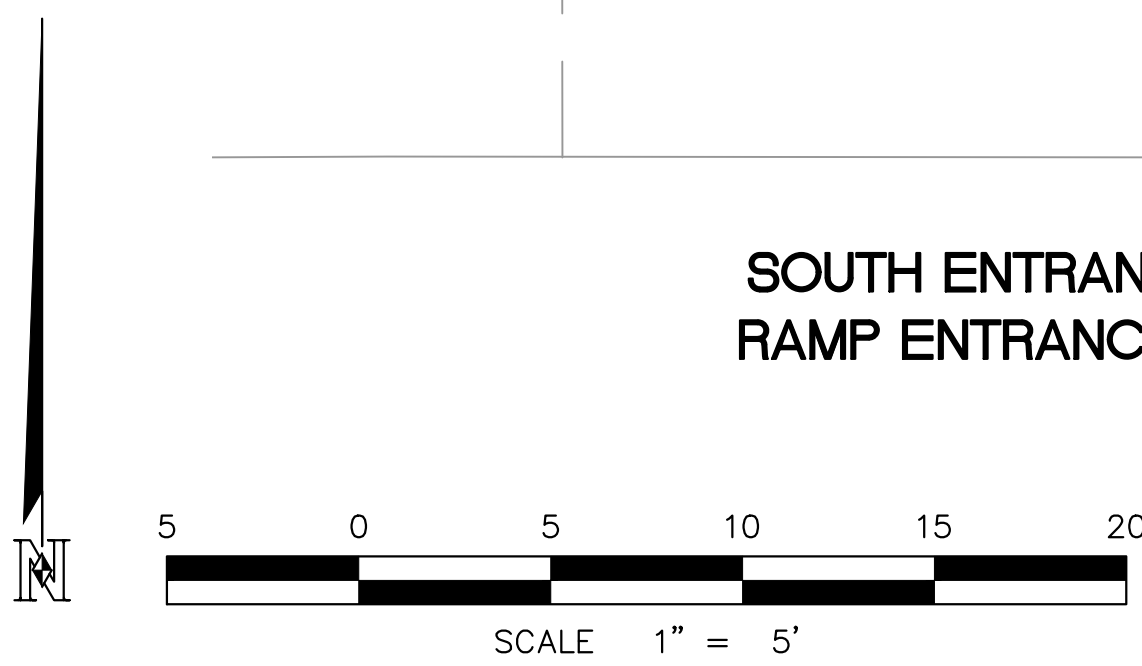
SOUTH ENTRANCE
RAMP ENTRANCE 3



NORTH EAST ENTRANCE
RAMP ENTRANCE 2



KEY MAP

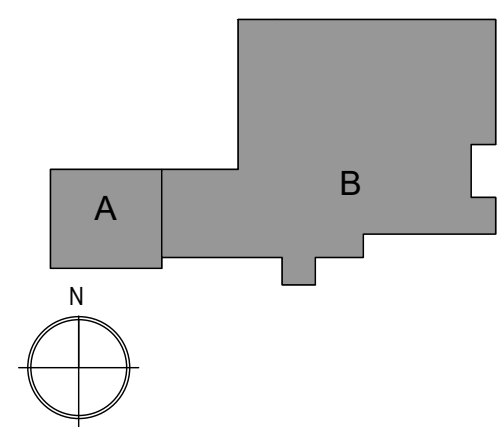


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**BAKER EMERGENCY
OPERATIONS
CENTER**

3410 K STREET BAKER CITY, OR 97814



PHASE		BID DOCUMENT
DATE		05/14/2025
JOB NUMBER		323-149.1
MARK	DATE	DESCRIPTION

**PRECISE
GRADING PLAN**



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CONSULTANT

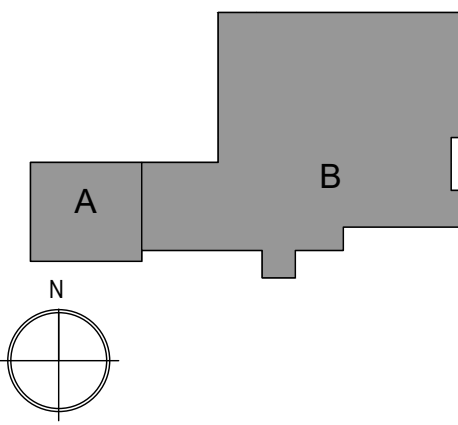


PROJECT INFORMATION

BAKER EMERGENCY OPERATIONS CENTER

3410 K STREET BAKER CITY, OR 97814

KEY PLAN



ISSUES

PHASE	BID DOCUMENTS
DATE	05/14/2025
JOB NUMBER	323-149.1
MARK	DATE
DESCRIPTION	

SHEET NAME

SURFACE WATER RETENTION PLAN

SHEET NUMBER

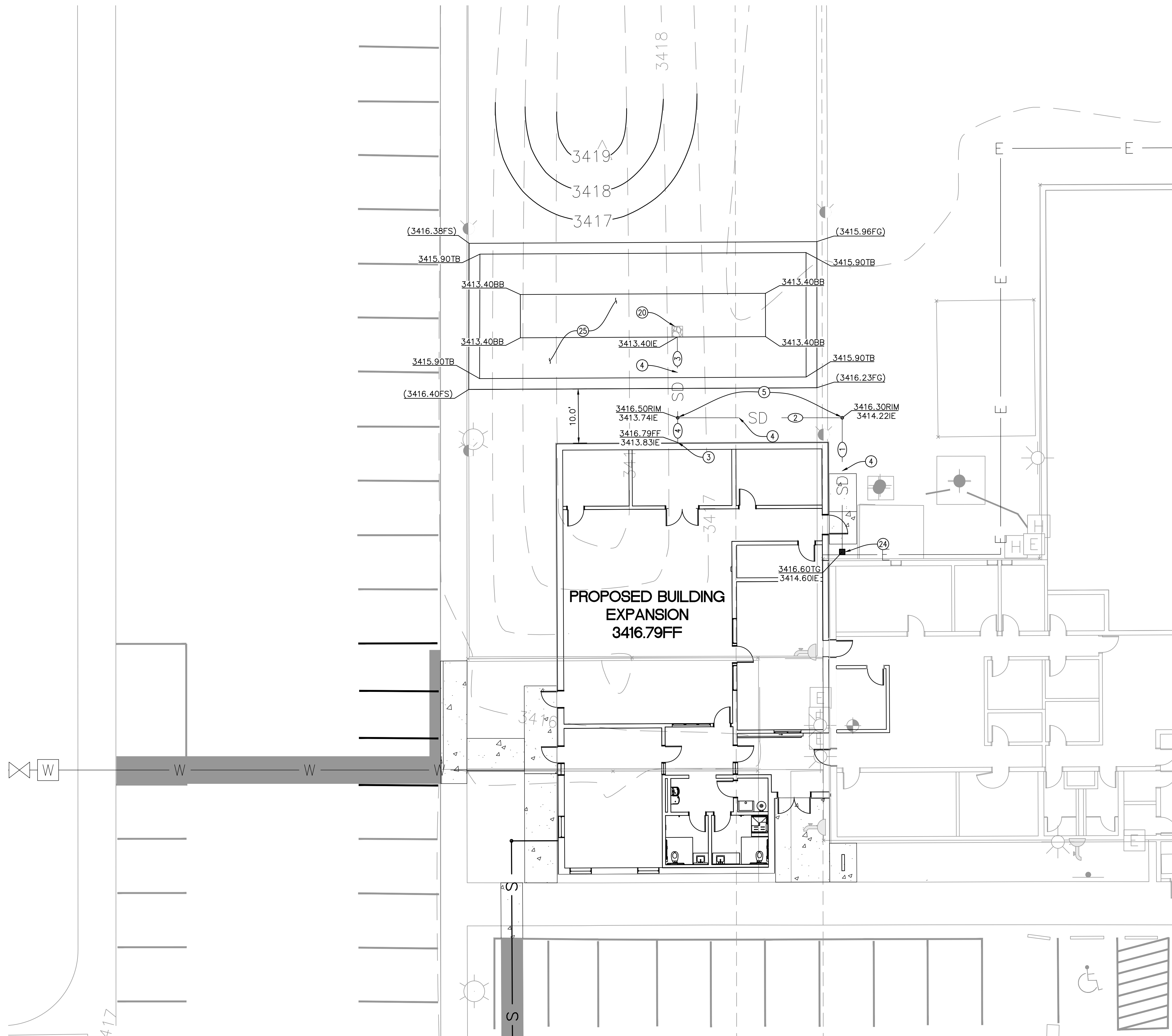
C4.0

CONSTRUCTION NOTES

- ③ INSTALL ROOF DOWNSPOUT CONNECTION PER DETAIL 1 ON SHEET C0.0, REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS.
- ④ INSTALL STORM DRAIN SYSTEM PER BAKER CITY STANDARD SPECIFICATIONS AND DRAWINGS FIGURE R16
- ⑤ INSTALL STORM DRAIN CLEANOUT WITH GRATE PER DETAIL 2 ON SHEET C0.0
- ②⑩ INSTALL 2' X 2' COBBLESTONE SPLASH PAD.
- ②④ INSTALL NDS 12" SQUARE CATCH BASIN DRAIN OR APPROVED EQUAL.
- ②⑤ INSTALL INFILTRATION BASIN PER DETAIL 4 ON SHEET C0.0.

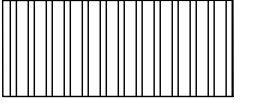
STORM DRAIN DATA TABLE

#	LENGTH	DIRECTION	SLOPE	NOTE
①	24.28'	N00°00'00"E	1.6%	6" PVC TYPE SDR-35
②	30.39'	N90°00'00"W	1.6%	6" PVC TYPE SDR-35
③	14.92'	N00°16'53"W	2.3%	6" PVC TYPE SDR-35
④	4.57'	N00°16'53"W	2.0%	6" PVC TYPE SDR-35



EROSION CONTROL LEGEND

- GRAVEL CONSTRUCTION ENTRANCE AND WHEEL WASH (A)
- ROAD SWEEPING (B)
- PRESERVE TOPSOIL AND VEGETATION (C)
- CONCRETE TRUCK WASHOUT AND CLEANUP (D)
- STAGING AREA AND STOCKPILE MANAGEMENT (E)
- CLEANING WASTE DISPOSAL PIT (F)
- SANITARY FACILITY (G)
- CONTAINER AND WASTE STORAGE (H)
- FIBER ROLL (I)
- CONSTRUCTION FENCE (J)



PER OREGON DEQ STORMWATER BMP MANUAL SECTION 2.19

PER OREGON DEQ STORMWATER BMP MANUAL SECTION 2.20

PER OREGON DEQ STORMWATER BMP MANUAL SECTION 2.1

PER OREGON DEQ STORMWATER BMP MANUAL SECTION 2.29/2.30

PER OREGON DEQ STORMWATER BMP MANUAL SECTION 2.30/2.31

PER OREGON DEQ STORMWATER BMP MANUAL SECTION 2.28/2.29

PER OREGON DEQ STORMWATER BMP MANUAL SECTION 2.31

PER OREGON DEQ STORMWATER BMP MANUAL SECTION 2.16

PER OREGON DEQ STORMWATER BMP MANUAL SECTION 2.16

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BMP MAINTENANCE AND INSPECTION NOTES:

ALL MEASURES STATED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, WHERE UTILIZED ON THE SITE, BMPs SHALL BE REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

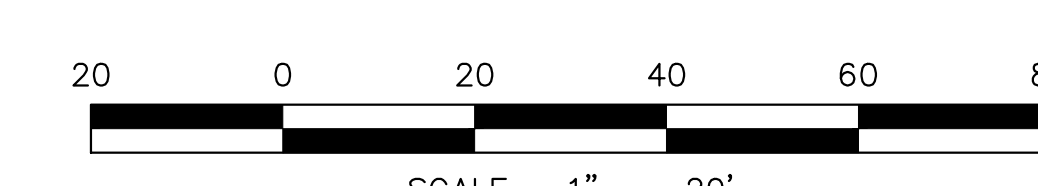
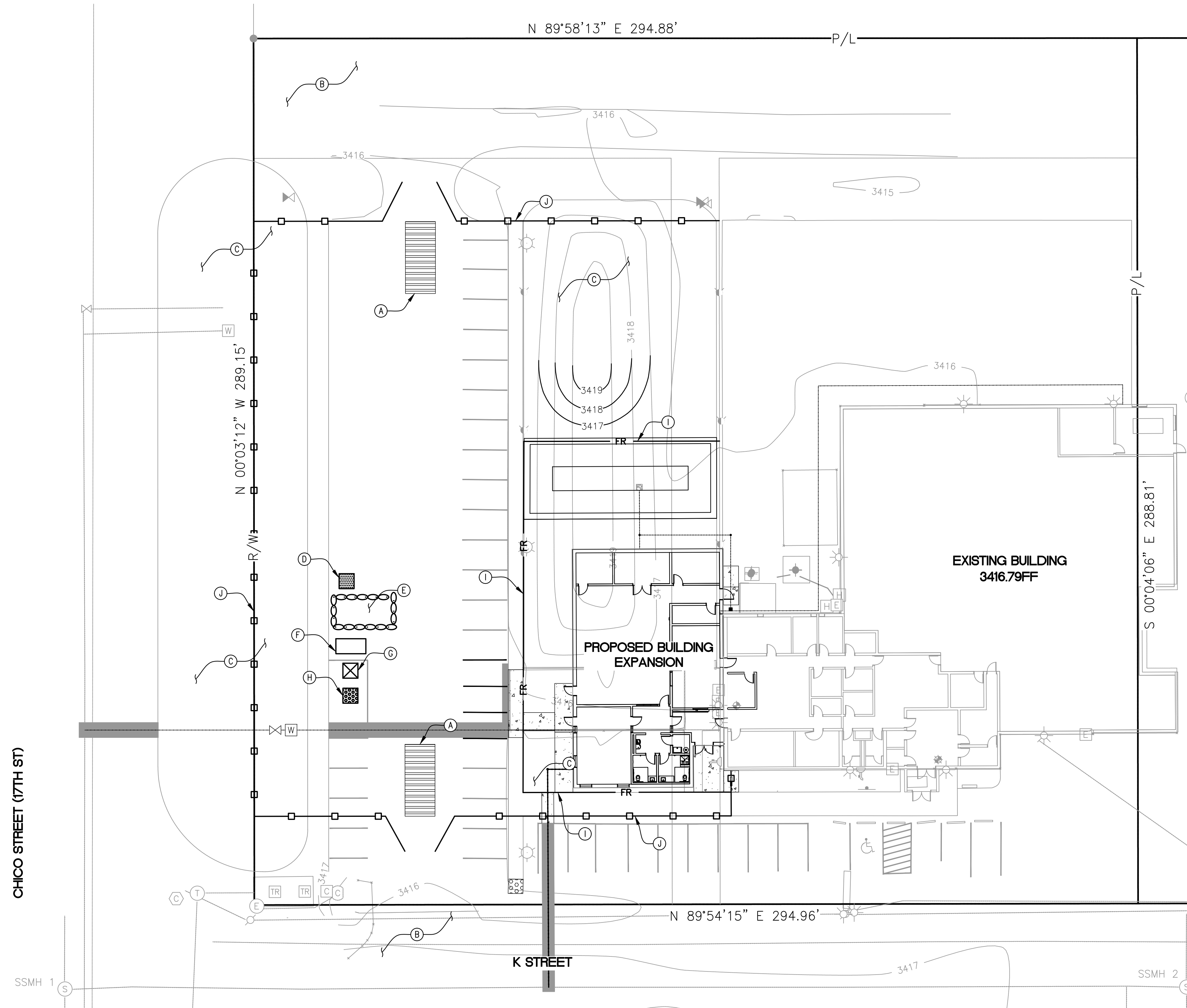
- ALL SEEDED AND SODDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AND/OR SODDED AS NEEDED.
- SILT FENCES AND EROSION EELS SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES AND EROSION EELS WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE OR EROSION EELS.
- THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY.
- THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE).
- PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS, ANY DEBRIS AND/OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEANED UP IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.
- ALL CONSTRUCTION ACTIVITIES MUST BE CONDUCTED WITHIN THE LIMITS OF DISTURBANCE (LOD).
- STOCK PILING OF MATERIALS IS STRICTLY PROHIBITED. ALL EXCAVATED/DEMOLISHED MATERIALS MUST BE LOADED DIRECTLY ONTO A TRUCK AND PROPERLY DISPOSED OF OFF-SITE.
- ANY CONCRETE WASHOUT, DUMPSTER, PORTABLE TOILET, ETC., MUST BE LOCATED WITHIN THE TEMPORARY STORAGE AREA.
- ANY DEBRIS MUST BE CLEANED UP AND DISPOSED OF IMMEDIATELY.

NOTE:
SHOULD SITE CONDITIONS WARRANT THE USE OF THE WHEEL WASH, CONTRACTOR SHALL ESTABLISH A DESIGNATED ROUTE FROM THE CONSTRUCTION PHASE BEING WORKED IN TO THE WHEEL WASH AREA. ANY TRACK OUT ON-SITE ALONG THIS ROUTE SHALL BE IMMEDIATELY REMOVED VIA A SWEEPER OR OTHER MEANS, TO REDUCE THE DISTANCE OF THE DESIGNATED ROUTE TO THE WHEEL WASH, IT IS ACCEPTABLE TO MOVE CONCRETE WASHOUT, WHEEL WASH AREA AND CONSTRUCTION ENTRANCE AS WORK PROGRESSES TO ACCOMMODATE CONSTRUCTION PHASING, PROVIDED EACH LOCATION MAINTAINS A SEDIMENT TRAP AREA FOR WATER TO BE COLLECTED/TREATED TO ASSURE NO SEDIMENT LEAVES THE SITE OR ENTERS THE STORM SEWER SYSTEM.

NOTE:
THROUGHOUT CONSTRUCTION, CONTRACTOR SHALL MAINTAIN THE JOB SITE TRAILER, CONTAINERS, HAZ-MAT, WASTE, MATERIAL STORAGE, OTHER LAY DOWN ITEMS, ETC., ON PAVED SURFACES. PLACEMENT OF THESE ITEMS ON ANY OTHER SURFACE IS NOT ACCEPTABLE. THIS WILL MEAN THESE ITEMS MAY NEED TO BE MOVED MORE THAN ONCE DURING CONSTRUCTION, DEPENDING ON THE CONTRACTOR'S MEANS AND METHODS. CONTRACTOR MAY USE THE EXISTING PARKING LOT AND SHALL PROTECT PERMANENT PAVED SURFACES FROM INDENTATIONS, STAINING, ETC.

THREE WORKING DAYS PRIOR TO THE START OF ANY EXCAVATION ON THIS SITE THE CONTRACTOR SHALL CONTACT OREGON 811 FOR UTILITY LOCATION INFORMATION.

THE CONTRACTOR SHALL VERIFY AND IMPLEMENT ALL THE REQUIRED FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND/OR OSHA APPROVED STATE-PLAN REGULATIONS ESTABLISHED FOR THE TYPE OF CONSTRUCTION REQUIRED BY THESE PLANS.



GENERAL NOTES

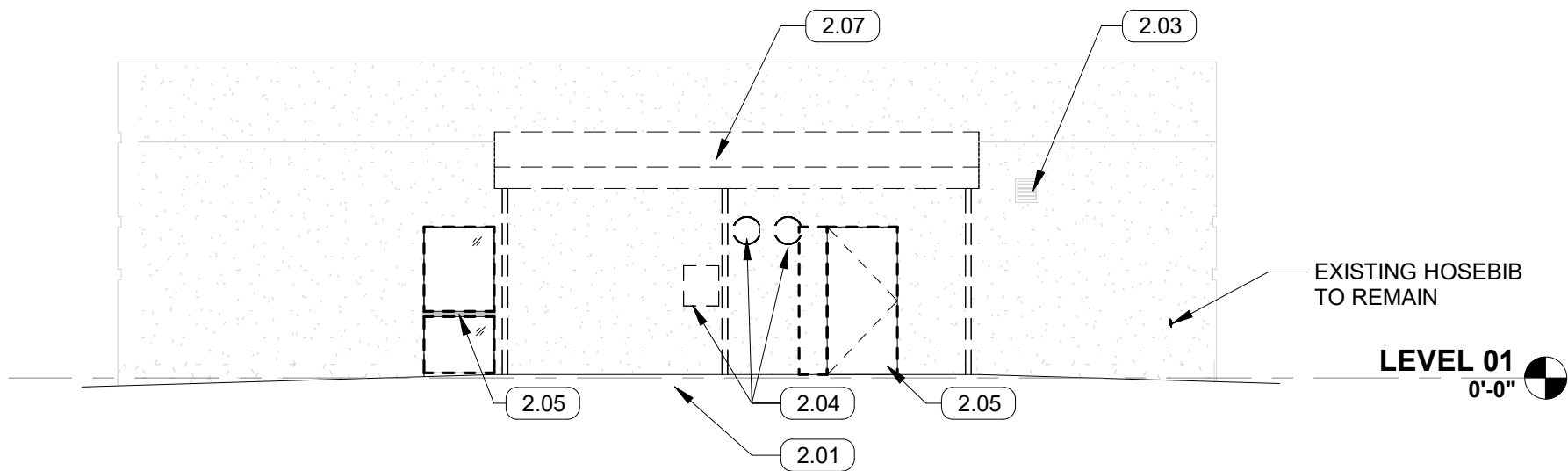
- A. DASHED BOLD LINE INDICATE EXTENT OF DEMOLITION, INCLUDING THE FOLLOWING:
- a. INTERIOR PARTITIONS (REMOVED TO STRUCTURE).
 - b. CEILINGS, INCLUDING CEILING SUSPENSION SYSTEM, MISC. STEEL SUPPORTS FOR SUSPENDED EQUIPMENT, SUSPENDED EQUIPMENT, LIGHT FIXTURES, DIFFUSERS AND GRILLES, ETC.
 - c. FLOOR FINISHES (TO CONCRETE) INCLUDING CARPET, RVT, SHEET VINYL, CERAMIC TILE, QUARRY TILE, BRICK PAVERS, ETC.
 - d. DOORS AND FRAMES UNLESS OTHERWISE NOTED IN DOOR SCHEDULE.
 - e. WINDOW GLAZING AND FRAMES UNLESS NOTED OTHERWISE.
 - f. CABINETWORK, SHELVING, AND BASES.
 - g. REMOVAL OF STRUCTURAL ELEMENTS SHALL BE LIMITED TO ONLY THOSE ITEMS SPECIFICALLY INDICATED AS BEING REMOVED.
- B. ALL LIGHTWEIGHT LINES INDICATE EXISTING TO REMAIN. IF SCOPE OF WORK IS NOT CLEAR CONSULT ARCHITECT BEFORE PROCEEDING WITH WORK.
- C. COORDINATE DEMOLITION SCOPE OF WORK WITH REQUIREMENTS FOR NEW WORK. REPAIR ALL INCIDENTAL DAMAGE DONE TO SURROUNDING AREAS THAT DEMOLITION WAS NOT REQUIRED.
- D. WHEN APPLICABLE, COORDINATE DEMOLITION SCHEDULE AND TIMES WITH OWNER AND OCCUPANTS BEFORE PROCEEDING WITH CONSTRUCTION.
- E. REFERENCE SPECIFICATIONS SECTIONS FOR CUTTING, PATCHING, AND DEMOLITION REQUIREMENTS.
- F. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS.
- G. CONTRACTOR TO VERIFY ALL WALL CONSTRUCTION & FINISHES NOTED FOR REMOVAL, TAKE INTO ACCOUNT ANY DISCREPANCY, AND MAKE PROPER ADJUSTMENT TO ACCOMPLISH REQ'D CONSTRUCTION AND FINISHES. IF STRUCTURAL INTEGRITY IS VIOLATED, CONTACT ARCHITECT. COORDINATE PHASING WITH OWNER.
- H. COORDINATE REMOVAL /RELOCATION OF FURNITURE AND EXISTING EQUIPMENT WITH OWNER PRIOR TO COMMENCING WORK.
- I. REMOVE FURRING OR GWB ONLY WHERE REQ'D TO COMPLETE CONSTRUCTION. PATCH AND MATCH WALLS AS REQ'D TO COMPLETE AND MATCH EXISTING CONDITIONS, UNLESS AN ALTERNATIVE MATERIAL AND FINISH IS INDICATED.
- J. REMOVE CEILINGS ONLY WHERE REQ'D FOR NEW CONSTRUCTION. REINSTALL, REPLACE, AND PATCH TO MATCH SURROUNDING WALL FINISH.
- K. TEMPORARY DUST PARTITIONS MUST BE DUST TIGHT AND INSULATED W/ R-19 BATTS FOR THERMAL AND SOUND INSULATION. ADDITIONALLY, WHERE EXPOSED TO WEATHER, ADD THE FOLLOWING TO THE EXTERIOR FACE OF THE PARTITION:
- a. EXTERIOR GYPSUM SHEATHING (OR EXTERIOR GRADE PLYWOOD)
 - b. POLY TO FURTHER PROTECT OCCUPANTS. ACTUAL DOOR LOCATIONS AND SIZES ARE AT THE CONTRACTOR'S DISCRETION, BUT MUST BE APPROVED BY OWNER'S REPRESENTATIVE. SEE SPECIFICATION SECTION 01500 FOR ADDITIONAL REQUIREMENTS.
- L. IF ASBESTOS CONTAINING MATERIAL IS SUSPECTED OR ENCOUNTERED, HALT WORK AND NOTIFY ARCHITECT IMMEDIATELY FOR FURTHER DIRECTION.
- M. ALL DAMAGED GWB ON INTERIOR FACE OF EXTERIOR WALLS SHALL BE REMOVED AND REPLACED WITH NEW MATCHING THICKNESS GWB AND VAPOR RETARDER.
- N. CONTRACTOR SHALL ENCLOSE ALL AREAS OF DEMOLITION INSIDE OF THE EXISTING BUILDING (EXCEPT MECHANICAL EQUIPMENT SPACES) FROM FLOOR TO CEILING AND CREATE NEGATIVE PRESSURE WITHIN THE ENCLOSURE TO CONTROL DUST AND VAPORS. HEPA FILTERED AIR MAY BE EXHAUSTED ABOVE THE CEILING.
- O. CONTRACTOR TO COORDINATE WITH OWNER ALL ITEMS TO BE DEMOLISHED AND TO BE SALVAGED. ITEMS BEING SALVAGED TO BE TURNED OVER TO OWNER. SEE SPECIFICATIONS FOR ADDITIONAL SALVAGE REQUIREMENTS.
- P. CONTRACTOR TO COORDINATE WITH LOCAL AUTHORITIES TO SCHEDULE REQUIRED INSPECTIONS AT KEY STAGES OF THE DEMOLITION PROCESS TO ENSURE COMPLIANCE WITH ALL SAFETY AND BUILDING CODES.
- Q. CONTRACTOR TO MAINTAIN FACILITY ACCESS FOR EMERGENCY EQUIPMENT AND PERSONNEL DURING DEMOLITION. CONTRACTOR TO ENSURE THAT NO DEMOLITION OF DEBRIS OR MATERIAL OBSTRUCT DESIGNATED EMERGENCY PATHS OR ACCESS POINTS.
- R. CONTRACTOR TO SEPARATE AND DISPOSE OF DEMOLITION DEBRIS BY LOCAL REGULATIONS. RECYCLABLE MATERIALS SUCH AS METAL, CONCRETE, AND WOOD ARE TO BE SET ASIDE IN COMPLIANCE WITH PROJECT SUSTAINABILITY GOALS.
- S. CONTRACTOR TO PROVIDE ADVANCED NOTICE TO OWNER IN ADJACENT AREAS REGARDING HIGH-NOISE ACTIVITIES OR ACTIVITIES THAT MAY IMPACT THEIR SPACE. COORDINATE WORK SCHEDULE TO MINIMIZE DISRUPTION.

DEMOLITION LEGEND

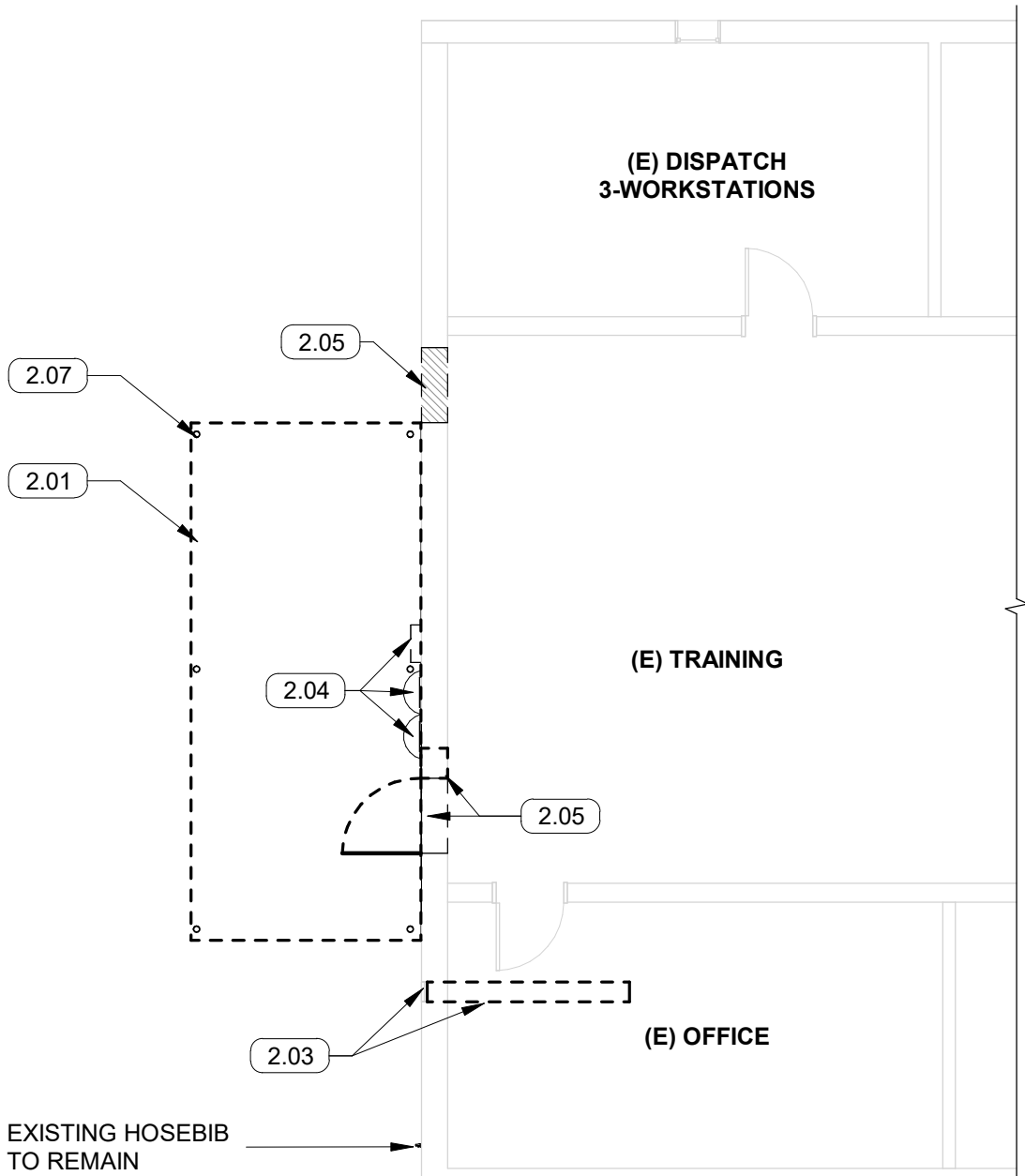
- EXISTING, TO REMAIN
- REMOVE / DEMOLISH

KEYNOTE LEGEND

- 2.01 DEMO (E) CONCRETE SLAB
- 2.03 DEMO (E) ROOM EXHAUST VENT GRILL AND RELATED DUCTING (ABANDONED)
- 2.04 DEMO (E) ELECTRICAL ITEMS PER ELECTRICAL PLAN
- 2.05 DEMO (E) DOOR AND WINDOW, PREPARE FOR NEW DOORS IN EACH OPENING
- 2.07 DEMO (E) CANOPY



1 EXTERIOR DEMO ELEVATION
SCALE: 1/8" = 1'-0"



2 DEMO PLAN
SCALE: 1/8" = 1'-0"



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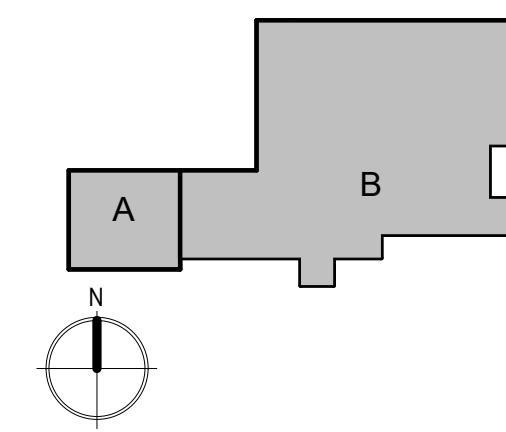
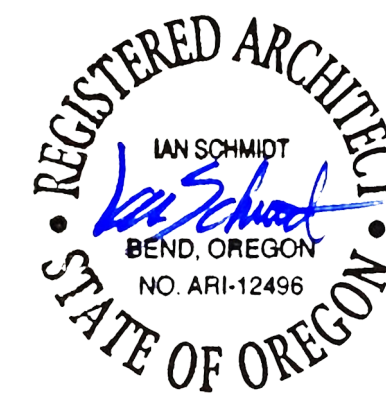
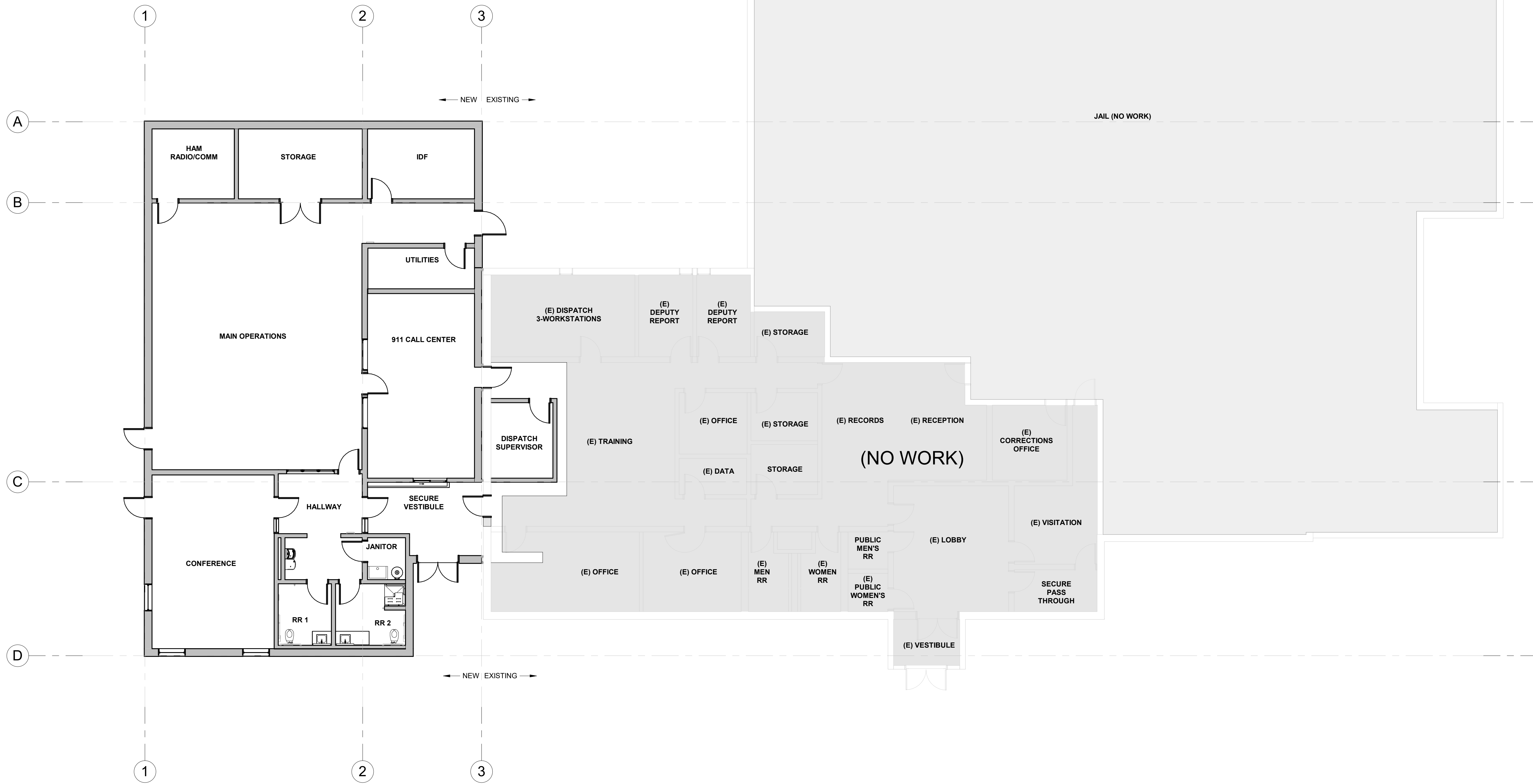
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MARK	DATE	DESCRIPTION

SHEET NAME

DEMOLITION PLAN

SHEET NUMBER

A001



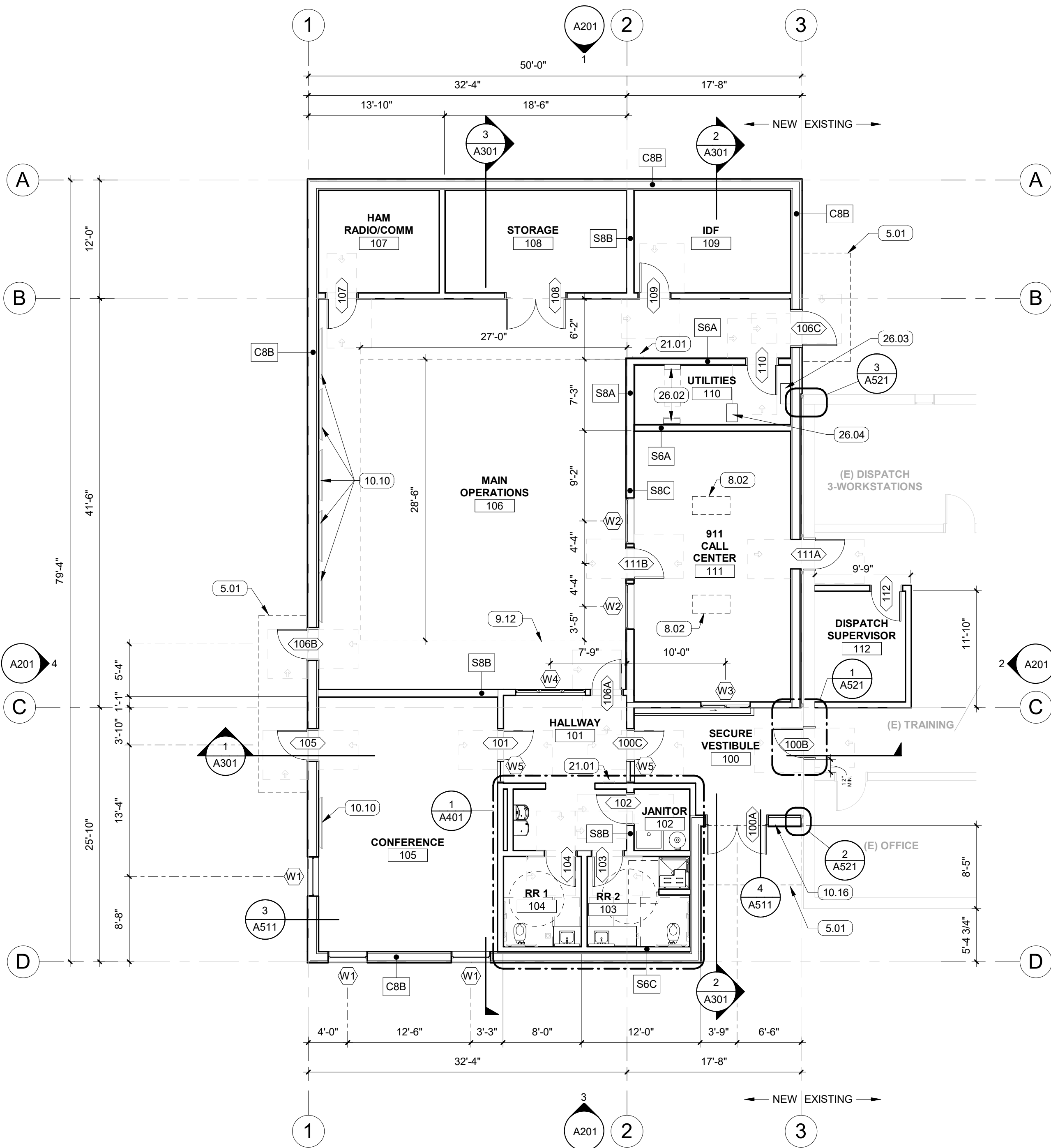
PHASE		BID DOCUMENT
DATE	ISSUE DATE: 05/16/2025	
JOB NUMBER	COLE PROJECT: 23-105-OR	
MARK	DATE	DESCRIPTION

GENERAL NOTES

- A. GENERAL NOTES APPLY TO ALL DRAWING SETS.
- B. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE PROCEEDING WITH WORK.
- C. CROSS REFERENCES SHOWN ON DRAWINGS DO NOT NECESSARILY INDICATE ALL LIKE CONDITIONS AND DO NOT LIMIT APPLICATION OF ANY DRAWING OR DETAIL. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT PRIOR TO PROCEEDING WITH WORK. IF DESIGN INTENT REMAINS UNCLEAR THEN PROVIDE MOST EXPENSIVE OPTION IN BID.
- D. PATCH ALL HOLES IN EXISTING SURFACES AND WHERE EQUIPMENT HAS BEEN REMOVED OR DEMOLITION HAS OCCURRED AND PREPARE WALL SURFACES (PATCH, SKIM COAT, ETC.) AS REQUIRED IN PREPARATION FOR NEW FINISHES SCHEDULED. PATCH TO MATCH ADJACENT SURFACES IN FINISH AND COLOR IF NOT SCHEDULED.
- E. PROVIDE SOLID BLOCKING IN WALLS FOR ALL WALL HUNG EQUIPMENT. BLOCKING TO MEET OR EXCEED MANUFACTURER'S RECOMMENDATIONS. FASTEN EQUIPMENT TO WALLS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE BLOCKING FOR, BUT NOT LIMITED TO THE FOLLOWING: MILLWORK, RAILING, FIRE EXTINGUISHER ACCESSORIES, WALL MOUNTED PLUMBING FIXTURES, SHELVING, ELECTRICAL EQUIPMENT, RESTROOM ACCESSORIES AND DISPLAY ITEMS.
- F. CAULK ALL COUNTERTOPS, BACKSPLASHES AND CABINETS AT LOCATIONS WHERE THEY MEET WALLS. SEAL ALL CUT-OUTS IN COUNTERTOPS.
- G. MATCH FINISHED WALL THICKNESS WHERE NEW WALLS OCCUR IN LINE WITH EXISTING WALLS.
- H. ERECT DUST PROOF PARTITIONS AS REQUIRED BY OWNER TO PROTECT ADJACENT AREAS.
- I. SEAL AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT PENETRATIONS AT WALLS. AT RATED WALLS USE A U.L. APPROVED FIRE-STOPPING MATERIAL.
- J. PROVIDE 4" DOOR JAMBS FROM FACE-OF-FINISH AT ADJACENT WALLS ON THE HINGE SIDE OR UNLESS OTHERWISE INDICATED.
- K. DIMENSIONS ARE TO GRID LINE OR FACE OF STRUCTURAL MEMBER UNLESS OTHERWISE NOTED. DOOR & WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING OR CENTERLINE OF OPENING. CONCRETE AND BRICK DIMENSIONS ARE GIVEN TO THE FACE OF CONCRETE OR MASONRY AND TO THE FACE OF ROUGH OPENINGS.
- L. CONTRACTOR TO ENSURE ALL TEAM MEMBERS ARE CONSISTENTLY REFERRING TO THE RELEVANT ARCHITECTURAL FLOOR, ELEVATION, AND FINISH PLANS THROUGHOUT THE CONSTRUCTION PROCESS.
- M. CONTRACTOR TO PATCH ALL HOLES IN EXISTING SURFACES AND PREPARE SURFACES ACCORDING TO MANUFACTURER RECOMMENDATIONS TO MATCH ADJACENT SURFACES IN FINISH AND COLOR.
- N. CONTRACTOR TO IDENTIFY AND PROTECT ALL UTILITIES LOCATED IN OR NEAR THE CONSTRUCTION ZONE TO PREVENT ACCIDENTAL DAMAGE. COORDINATE WITH RESPECTIVE TRADES TO MAINTAIN UNINTERRUPTED UTILITY SERVICES.
- O. CONTRACTOR TO ENSURE THAT ALL EGRESS ROUTES ARE MAINTAINED CLEARLY AND ACCESSIBLE THROUGHOUT CONSTRUCTION. IF PRIMARY EXITS ARE AFFECTED, PROVIDE TEMPORARY MARKED EXIT ROUTES.
- P. REFERENCE WALL ASSEMBLIES AND TAG LEGEND ARE TO BE PROVIDED ON SHEET A601. INTERIOR WALL ASSEMBLY TYPE TO BE S6B UNLESS NOTED OTHERWISE.

KEYNOTE LEGEND

5.01	ARCHITECTURAL METAL AWNING, SHOWN ABOVE FOR REFERENCE
8.02	SKYLIGHT ABOVE, SHOWN FOR REFERENCE
9.12	RAISED ACCESS FLOOR PANEL SYSTEM
10.10	TV/PROJECTION SCREEN - OFCI
10.16	KNOX BOX, INSTALL PER AHJ
21.01	SEMI-RECESSED FIRE EXTINGUISHER CABINET
26.02	ELECTRICAL PANELS, SEE ELECTRICAL
26.03	ELECTRICAL LIGHTING INVERTER, SEE ELECTRICAL
26.04	ELECTRICAL AUTOMATIC TRANSFER SWITCH, SEE ELECTRICAL



1 FLOOR PLAN

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

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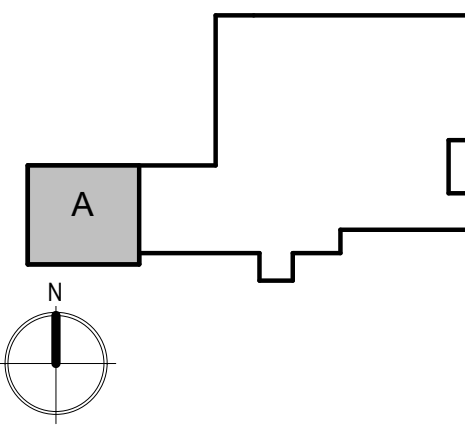
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FLOOR PLAN

SHEET NUMBER

A101

GENERAL NOTES

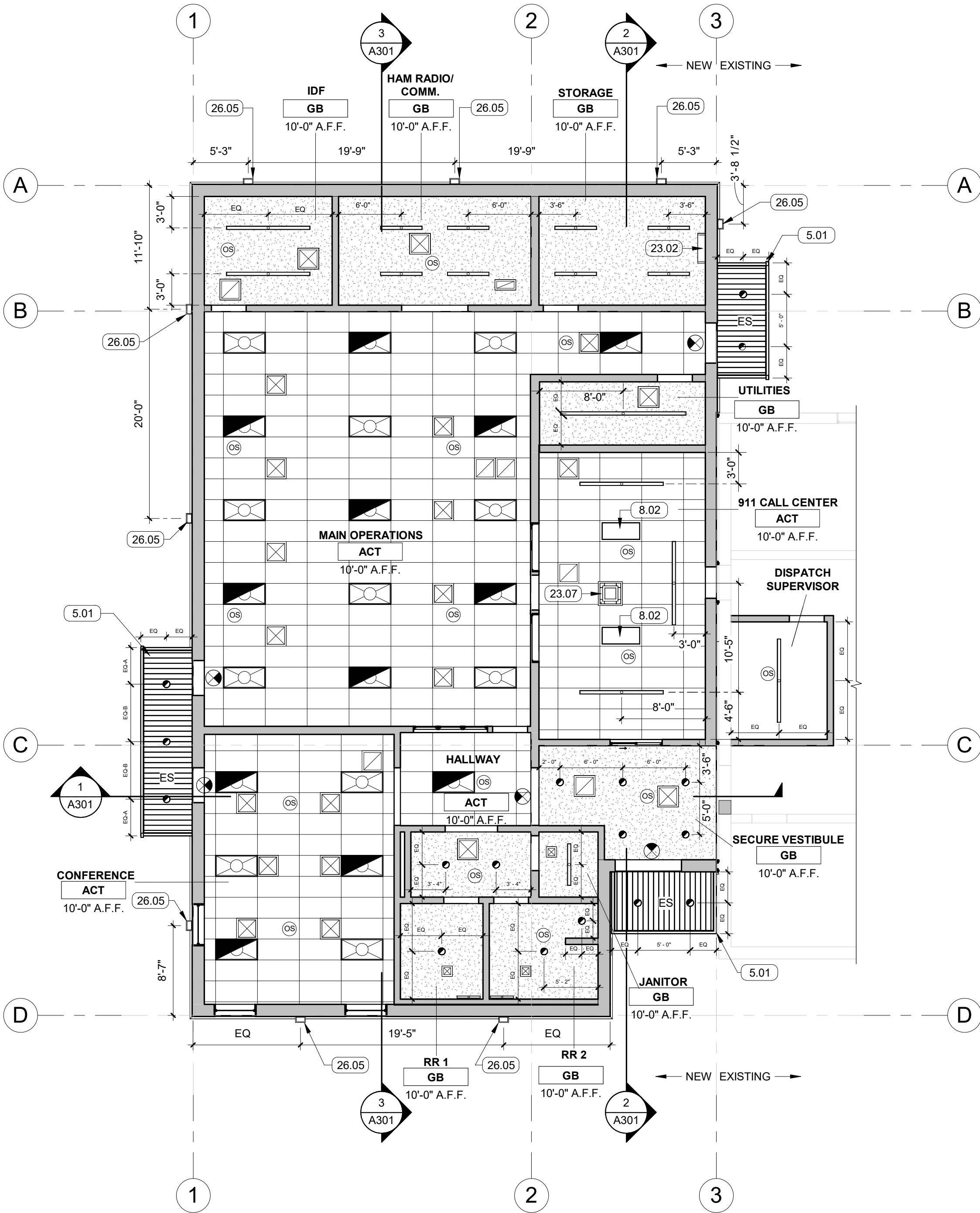
- A. SUBCONTRACTORS FOR EACH TRADE ARE ADVISED THAT INFORMATION PERTINENT TO THEIR WORK MAY OCCUR IN OTHER PORTIONS OF THE CONTRACT DOCUMENTS. ALL NOTES ARE TO BE REVIEWED AND APPLIED TO RELATED BUILDING DOCUMENTS.
- B. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE AND/OR DURING CONSTRUCTION.
- C. CROSS REFERENCES SHOWN ON DRAWINGS DO NOT NECESSARILY INDICATE ALL LIKE CONDITIONS AND DO NOT LIMIT APPLICATION OF ANY DRAWING OR DETAIL. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- D. REVIEW SPECIFICATIONS FOR INSTRUCTIONS NOT SHOWN ON DRAWINGS. INFORMATION COMMON TO SEVERAL DRAWINGS MAY BE NOTED ON ONLY ONE. CONTRACTOR IS RESPONSIBLE FOR ENTIRE SET OF DOCUMENTS.
- E. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL ITEMS NOT SHOWN TO BE PROVIDED AT THE CEILING PLANE AND IN THE SCOPE OF WORK. COORDINATE WITH DRAWINGS AND SPECIFICATIONS FOR PHYSICAL SIZE OF ALL CEILING GRILLS, DIFFUSERS, FIXTURES, LIGHTS AND ALL RELATED ITEMS.
- F. DIMENSIONS ARE TO STRUCTURAL GRIDLINE OR FACE OF STUD UNLESS NOTED OTHERWISE.
- G. CENTER ALL CEILING GRID, LIGHT FIXTURES AND SPRINKLER HEADS IN THEIR RESPECTIVE CEILING PANEL. IF NOT DIMENSIONED LOCATE EVENLY AND CENTER IN SPACES. IF UNCLEAR, CONSULT ARCHITECT FOR LOCATION.
- H. INSTALL ALL SUSPENSION SYSTEMS FOR ACOUSTICAL PANEL CEILINGS PER THE SPECIFICATION AND C.I.S.G.A. *RECOMMENDATIONS FOR DIRECT HUNG SEISMIC DESIGN CATEGORY C. REFER TO IBC SECTION 808.1.1.1: SUSPENDED ACOUSTICAL CEILINGS. COMPLY WITH ASTM C635 AND C136.
- I. INSTALL ALL SUSPENSION SYSTEMS FOR GYPSUM BOARD CEILINGS PER THE SPECIFICATIONS AND ASTM C754.
- J. REFER TO ELECTRICAL & MECHANICAL DRAWINGS FOR QUANTITY AND TYPE OF LIGHTS, SPEAKERS, DETECTORS, POWER OUTLETS, DIFFUSERS, RETURN AIR GRILLES, EXHAUST GRILLES, ETC. SCRIBE CEILING MATERIALS CAREFULLY FOR A TIGHT FIT.
- K. REFER TO MECHANICAL DRAWINGS FOR QUANTITY AND TYPE OF . SCRIBE CEILING MATERIALS CAREFULLY FOR A TIGHT FIT.
- L. COORDINATE ALL ACCESS PANEL LOCATIONS WITH STRUCTURAL FRAMING AND CEILING SYSTEMS TO ACCOMMODATE SIZES INDICATED.
- M. ALL GYPSUM BOARD CEILINGS TO BE TEXTURED AND PAINTED UNLESS NOTED OTHERWISE.
- N. ALL EXPOSED METAL DECK, CONDUIT, DUCTWORK, JOISTS, AND MISCELLANEOUS ITEMS ARE TO BE PAINTED, UNLESS OTHERWISE NOTED.
- O. REFER TO ROOM FINISH SCHEDULE FOR CEILING HEIGHTS AND MATERIAL LOCATIONS.
- P. PROVIDE GYPSUM WALL BOARD AND METAL STUD BULKHEADS WHERE CEILINGS OF DIFFERENT HEIGHTS ABUT. DO NOT BUILD BULKHEADS OF ACOUSTICAL CEILING MATERIALS UNLESS SPECIFICALLY DETAILED.
- Q. VERIFY THAT ALL CEILING STRUCTURES, INCLUDING SUPPORT FOR FIXTURES, COMPLY WITH STRUCTURAL LOAD REQUIREMENTS AS SPECIFIED IN THE ARCHITECTURAL AND ENGINEERING DOCUMENTS.
- R. CONTRACTOR TO IMPLEMENT DUST CONTROL MEASURES TO MAINTAIN AIR QUALITY FOR ALL USERS OF THE EXISTING FACILITY DURING CONSTRUCTION.
- S. CONTRACTOR TO COORDINATE ALL UTILITY WORK AND INTERRUPTIONS TO SERVICES TO THE SITE WITH OWNER WITH AT LEAST ONE WEEK'S NOTICE PRIOR TO INTERRUPTION.
- T. CONTRACTOR TO ENSURE ALL EMERGENCY SYSTEMS, SUCH AS ALARMS AND COMMUNICATION DEVICES, ARE EASILY ACCESSIBLE FOR MAINTENANCE AND TESTING, WITH CLEAR MARKINGS INDICATING THEIR LOCATIONS.

RCP SYMBOL LEGEND

- ACT - 1**
1'-0" A.F.F.
CEILING TAG
CEILING TYPE
HEIGHT
- SUSPENDED 2' X 4' ACOUSTICAL TILE CEILING SYSTEM
- GYPSUM BOARD CEILING
- LINEAR LED FIXTURE, SEE ELECTRICAL
- 2X4 LED LIGHT FIXTURE, SEE ELECTRICAL
- 2X4 LED LIGHT FIXTURE ON EMERGENCY BACKUP CIRCUIT, SEE ELECTRICAL
- RECESSED CAN LIGHT, SEE ELECTRICAL
- HVAC /DIFFUSER, SEE MECHANICAL
- HVAC RETURN, SEE MECHANICAL
- EXPOSED TO STRUCTURE
- FIRE ALARM PULL STATION
- OCCUPANCY SENSOR, SEE ELECTRICAL
- EXTERNAL DOWNWARD LIGHT, SEE ELECTRICAL

KEYNOTE LEGEND

- 5.01 ARCHITECTURAL METAL AWNING
- 8.02 SKYLIGHT ABOVE, SHOWN FOR REFERENCE
- 23.02 HIGH WALL-MOUNTED MINI-SPLIT HEAD UNIT, SEE MECHANICAL
- 23.07 CEILING MOUNTED HEAT PUMP SYSTEM, SEE MECHANICAL
- 26.05 EXTERIOR LIGHT, SEE ELECTRICAL



1 REFLECTED CEILING PLAN - LEVEL 01

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

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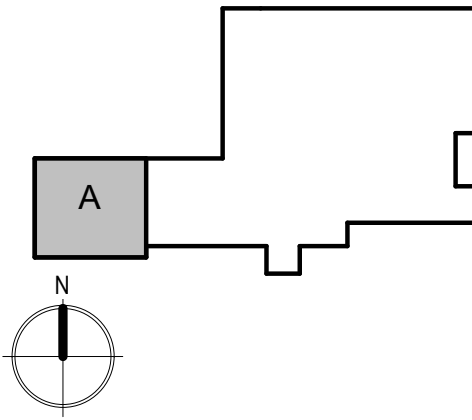
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SHEET NAME

REFLECTED CEILING
PLAN

SHEET NUMBER

A111

GENERAL NOTES

- A. COORDINATE INSTALLATION OF ROOFING WITH OTHER TRADES. REPORT ANY CONFLICTS WITH ITEMS INSTALLED BY OTHER TRADES TO ARCHITECT.
- B. ALL ROOF CURBS FOR NEW ROOFTOP EXHAUST FANS, HVAC UNITS AND CONDENSING UNITS SHALL HAVE CURB HEIGHTS THAT WILL ALLOW FOR A MINIMUM OF 8" BASE FLASHING HEIGHTS FOR THE ROOF SYSTEM.
- C. ALL PLUMBING VENTS SHALL EXTEND ABOVE THE FINISHED SURFACE OF THE ROOF SYSTEM AS REQUIRED TO PROVIDE FOR A MINIMUM OF 8" BASE FLASHING. PROVIDE FLASHING AROUND VENTS AND ROOF PENETRATIONS PER ROOFING MANUFACTURER RECOMMENDATIONS.
- D. PROVIDE 36" WIDE WALK PADS AROUND PERIMETER OF ALL MECHANICAL EQUIPMENT. PROVIDE 36" WIDE WALK PADS AROUND ALL ROOF HATCHES & 72"X72" PADS AT LADDERS.
- E. UNLESS NOTED OTHERWISE - PROVIDE FIRESTONE UNI-CLAD KYNAR 500/HYLAR 5000 PRE-FINISHED GALVALUME STEEL (24 GA) ARCHITECTURE SHEET AND COIL FOR ALL COPINGS, FLASHING & TRIM PIECES. SUBMIT STANDARD COLOR SELECTION TO ARCHITECT FOR APPROVAL. FIELD PAINT METAL ONLY AS REQUIRED OR NOTED. ALL CLEATS TO BE CONTINUOUS.
- F. TAPERED INSULATION TO BE 1/4" PER FOOT MIN SLOPE TO DRAIN. ROOF PLAN SHOWS TAPERED INSULATION FOR GRAPHIC REPRESENTATION ONLY. CONTRACTOR TO VERIFY INSULATION REQUIRED TO SLOPE PRIOR TO MEMBRANE INSULATION.
- G. PROVIDE TAPERED INSULATION CRICKETS 1/4" PER FOOT MIN. SLOPE @ HIGH SIDE OF ALL MECHANICAL UNITS AND ROOF HATCHES, TO SHED WATER AROUND AND MAINTAIN POSITIVE ROOF DRAINAGE.
- H. PROVIDE SELF-ADHERING VAPOR RETARDER BETWEEN DECK AND INSULATION, SEE DETAILS. UNO PROVIDE CARLISLE AIR & VAPOR BARRIER TR725. PROVIDE AIR TIGHT SEAL AROUND ALL DECK PENETRATIONS AND DECK PERIMETER PRIOR TO INSTALLING VAPOR BARRIER.
- I. ALL WOOD NAILER AND BLOCKING TO BE TREATED. SECURE NAILERS PER FM GLOBAL 1-49 PERIMETER FLASHING REQUIREMENTS.
- J. INSTALL MANUFACTURE'S RECOMMENDED PRESSURE-SENSITIVE RUSS STRIP ALONG ENTIRE ROOF PERIMETER AND AT PERIMETER OF ALL ROOF CURBS.
- K. WHEN APPLICABLE - UNLESS NOTED OTHERWISE, USE CDX PLYWOOD FOR EXTERIOR APPLICATIONS AND BCD PLYWOOD FOR INTERIOR APPLICATIONS.



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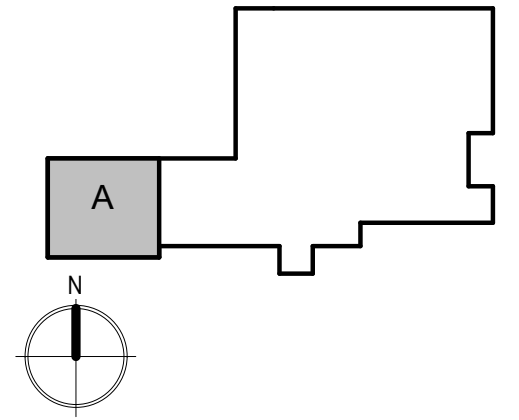
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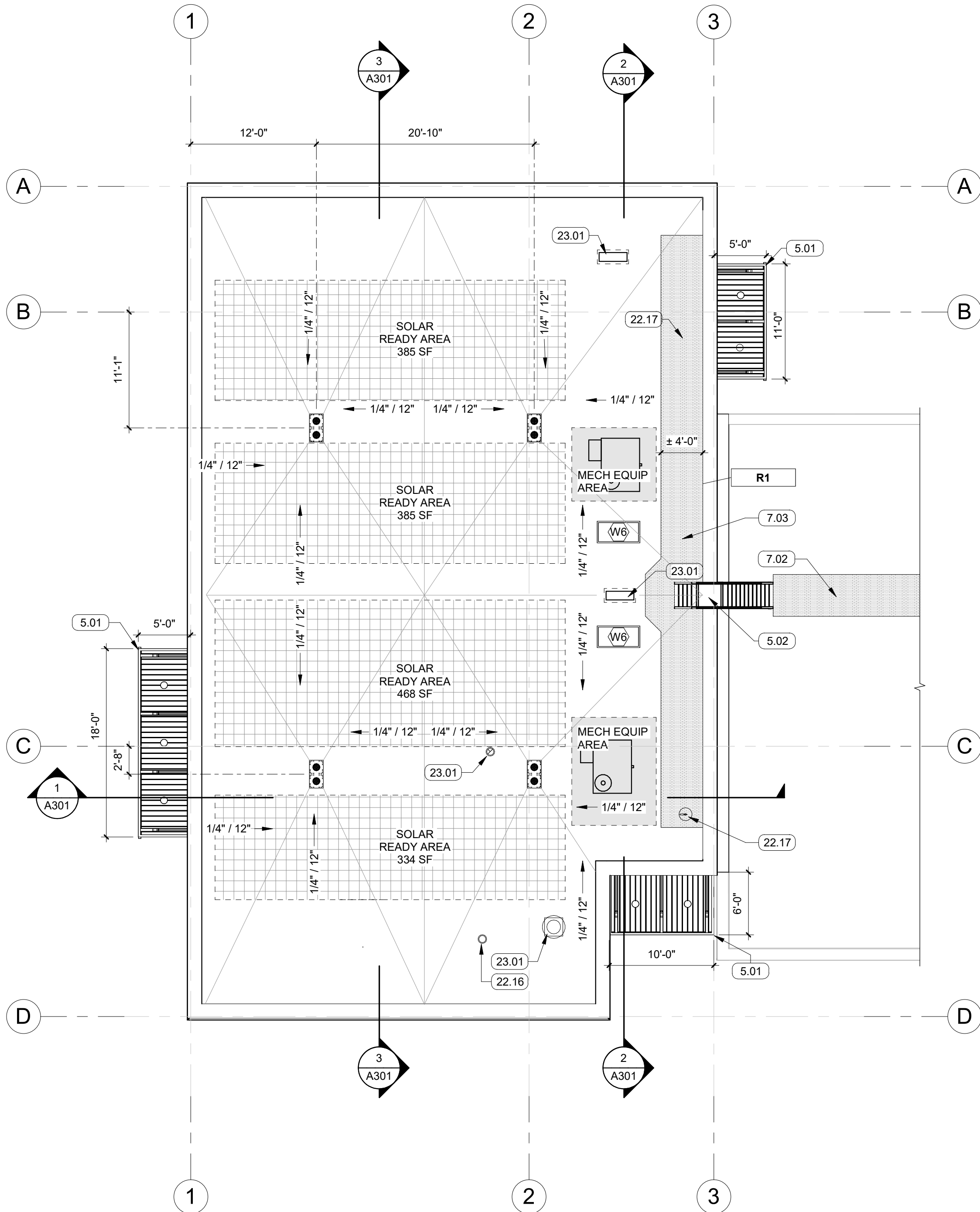
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SHEET NAME

ROOF PLAN

SHEET NUMBER

A121



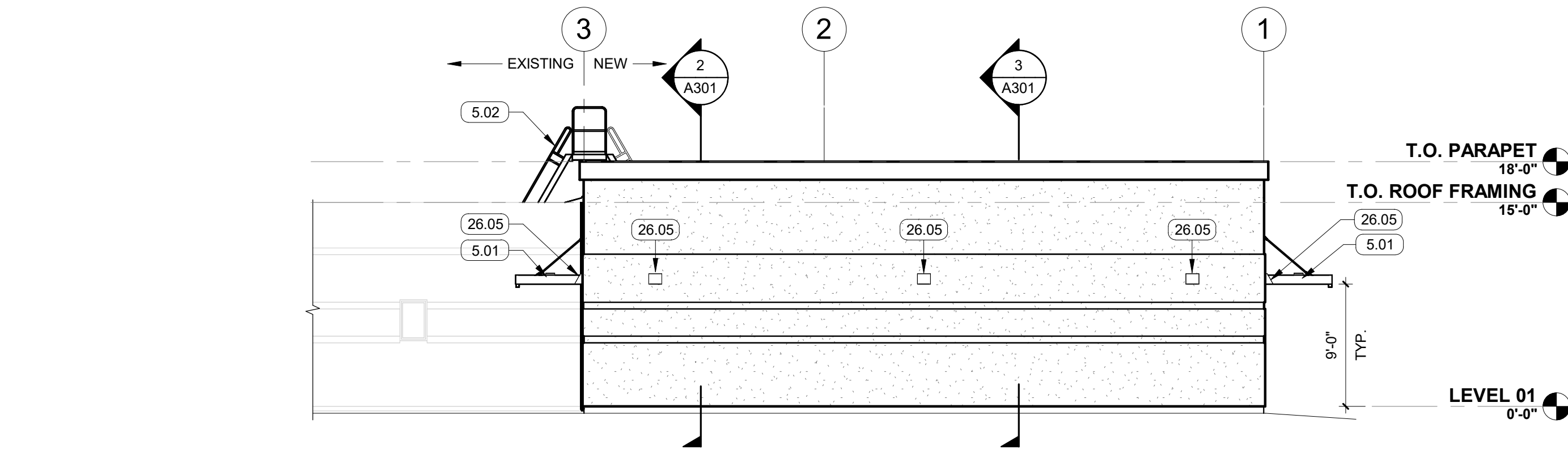
1 ROOF PLAN
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KEYNOTE LEGEND

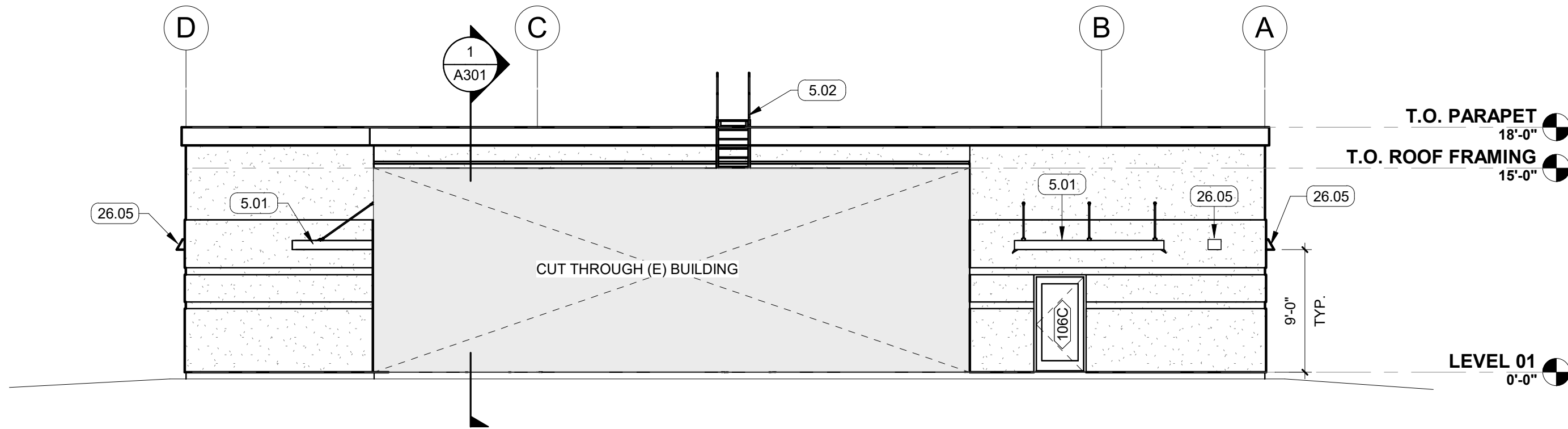
- 5.01 ARCHITECTURAL METAL AWNING
5.02 PREFABRICATED ROOFTOP CROSSOVER STAIR
7.02 CONNECT (N) ROOF WALKWAY SYSTEM TO (E) WALKWAY SYSTEM
7.03 PROVIDE (N) WALKWAY SYSTEM LEADING TO ALL MECHANICAL EQUIPMENT. COORDINATE WITH ROOFTOP UNIT PLACEMENT
22.16 ROOF PLUMBING VENT, PER DETAIL 1/A531, SEE PLUMBING
22.17 HOSE BIB, SEE PLUMBING
23.01 MECHANICAL EQUIPMENT, SEE MECHANICAL

ROOF PLAN LEGEND

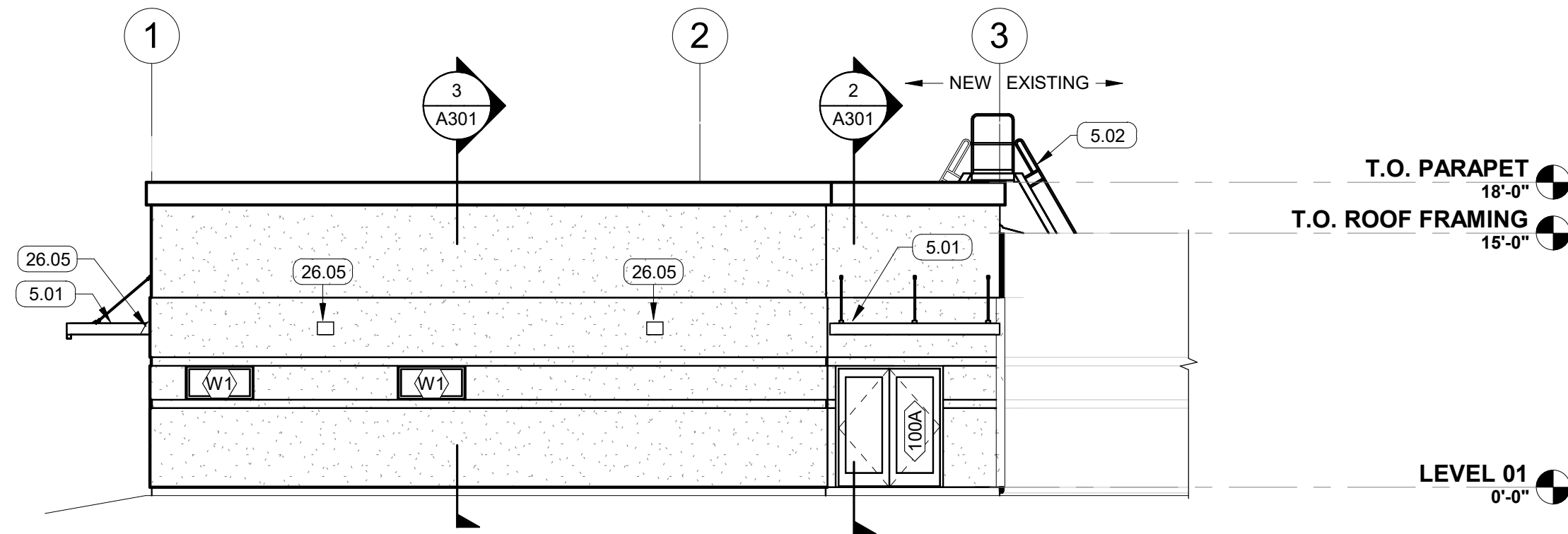
- SOLAR READY AREA
- SPACE RESERVED FOR MECHANICAL ELEMENTS AS REQUIRED
- ROOF WALKWAY SYSTEM
- ROOF DRAIN
- ROOFTOP MECHANICAL UNIT
- ROOF MOUNTED EXHAUST FAN



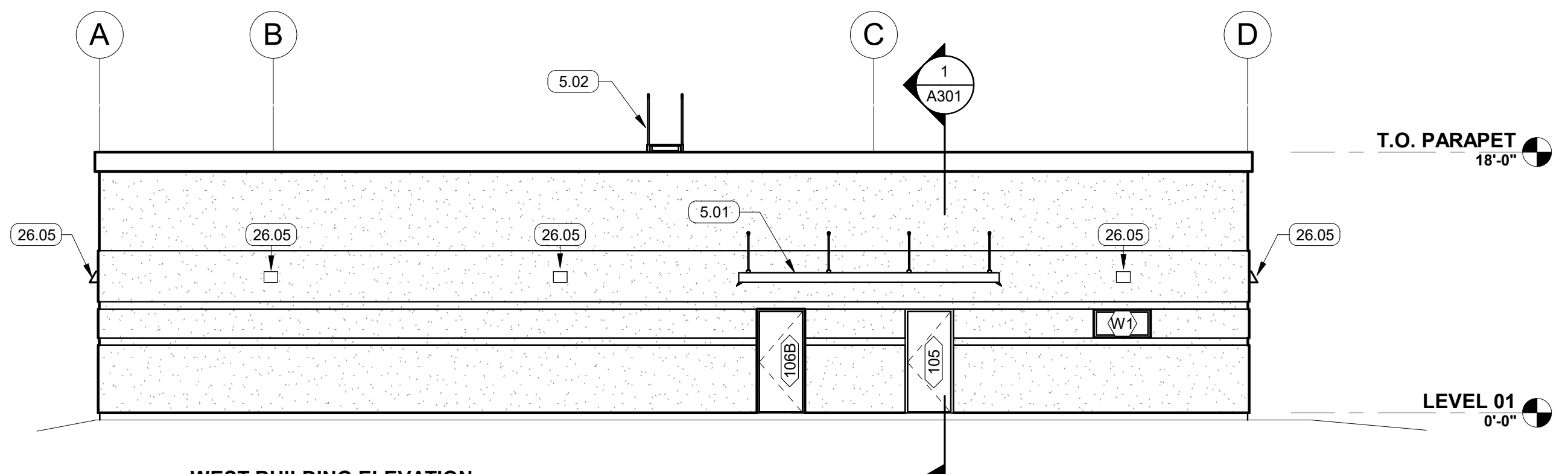
1 NORTH BUILDING ELEVATION
SCALE: 1/8" = 1'-0"



2 EAST BUILDING ELEVATION
SCALE: 1/8" = 1'-0"



3 SOUTH BUILDING ELEVATION
SCALE: 1/8" = 1'-0"



4 WEST BUILDING ELEVATION
SCALE: 1/8" = 1'-0"

GENERAL NOTES

- A. GENERAL NOTES APPLY TO ALL DRAWING SETS.
- B. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE PROCEEDING WITH WORK.
- C. CROSS REFERENCES SHOWN ON DRAWINGS DO NOT NECESSARILY INDICATE ALL LIKE CONDITIONS AND DO NOT LIMIT APPLICATION OF ANY DRAWING OR DETAIL. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT PRIOR TO PROCEEDING WITH WORK. IF DESIGN INTENT REMAINS UNCLEAR THEN PROVIDE MOST EXPENSIVE OPTION IN BID.
- D. DIMENSIONS ARE TO GRID LINE OR FACE OF STRUCTURAL MEMBER UNLESS OTHERWISE NOTED. DOOR & WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING OR CENTERLINE OF OPENING. CONCRETE AND BRICK DIMENSIONS ARE GIVEN TO THE FACE OF CONCRETE OR MASONRY AND TO THE FACE OF ROUGH OPENINGS.
- E. WINDOW TYP, REFERENCE SPECS (W1)
- F. EXTERIOR DOOR TYP, REFERENCE SPECS 9108A)
- G. WALL FINISHES TYP, REFERENCE SPECS

MATERIAL LEGEND

SYNTHETIC STUCCO & INSULATION
SYSTEM - PROFILE, TEXTURE &
COLOR TO MATCH EXISTING

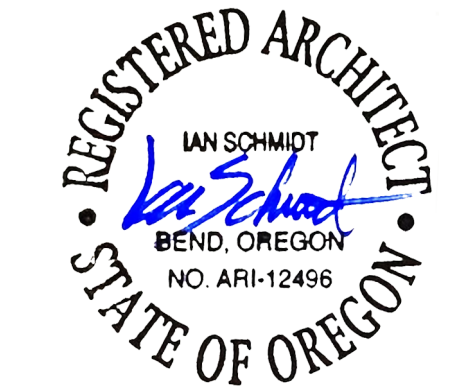
KEYNOTE LEGEND

- 5.01 ARCHITECTURAL METAL AWNING
5.02 PREFABRICATED ROOFTOP CROSSOVER STAIR
26.05 EXTERIOR LIGHT, SEE ELECTRICAL



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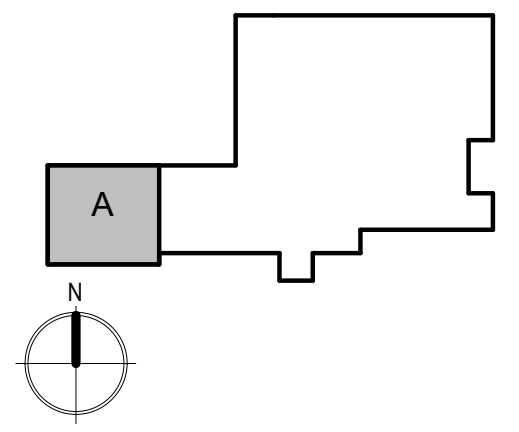
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PROJECT INFORMATION

BAKER EMERGENCY OPERATIONS CENTER

3410 K STREET BAKER CITY, OR 97814

KEY PLAN



ISSUES

PHASE		BID DOCUMENTS	
DATE		ISSUE DATE: 05/16/2025	
JOB NUMBER		COLE PROJECT: 23-105-OF	
MARK	DATE	DESCRIPTION	

SHEET NAME

EXTERIOR ELEVATIONS

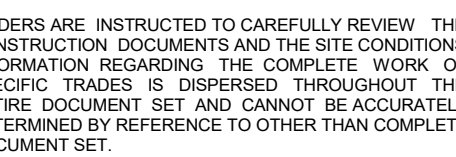
SHEET NUMBER

A201

1. REFER TO STRUCTURAL DRAWINGS FOR PERIMETER AND INTERIOR BEARING FOUNDATIONS.
2. ROOF TRUSSES ARE SHOWN AS REPRESENTATIVE. COORDINATE TRUSS DESIGN WITH MANUFACTURED TRUSS SUBMITTAL.
3. REFER TO MECHANICAL DRAWINGS FOR DUCTWORK LAYOUT AND REQUIRED CLEARANCES.
4. SLOPE ALL EXTERIOR SURFACES AWAY FROM THE BUILDING.
5. SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS.

5.01	ARCHITECTURAL METAL AWNING
5.02	PREFABRICATED ROOFTOP CROSSOVER STAIR
7.03	PROVIDE (N) WALKWAY SYSTEM LEADING TO ALL MECHANICAL EQUIPMENT. COORDINATE WITH ROOFTOP UNIT PLACEMENT
21.01	SEMI-RECESSED FIRE EXTINGUISHER CABINET
22.03	ROOF DRAIN, PER DETAIL 5/A531, SEE PLUMBING
22.17	HOSE BIB, SEE PLUMBING
23.01	MECHANICAL EQUIPMENT, SEE MECHANICAL
23.02	HIGH WALL-MOUNTED MINI-SPLIT HEAD UNIT, SEE MECHANICAL
26.05	EXTERIOR LIGHT, SEE ELECTRICAL

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PROJECT INFORMATION

10 K STREET BAKER CITY, OR 97814

KEY PLAN



PHASE	BID DOCUMENT
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ISSUE DATE: 05/16/202

B NUMBER COLE PROJECT: 23-105-O

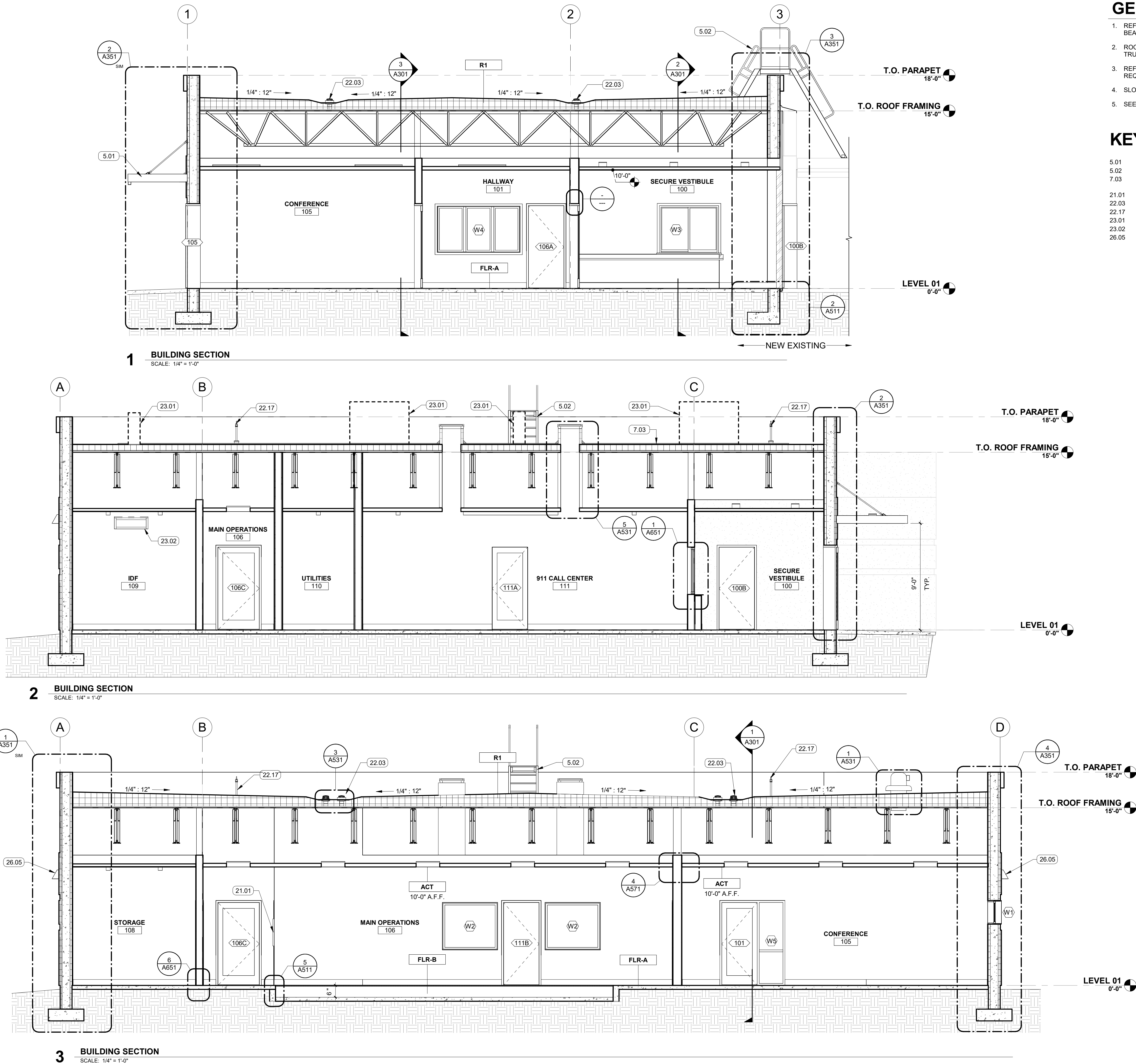
MARK	DATE	DESCRIPTION
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SHEET NAME

BUILDING SECTIONS

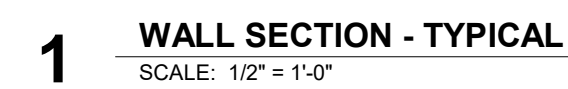
SHEET NUMBER

A301



A.	REFER TO STRUCTURAL DRAWINGS FOR PERIMETER AND INTERIOR BEARING FOUNDATIONS
B.	ROOF TRUSSES ARE SHOWN AS REPRESENTATIVE. COORDINATE TRUSS DESIGN WITH MANUFACTURED TRUSS SUBMITTAL.
C.	REFER TO MECHANICAL DRAWINGS FOR DUCTWORK LAYOUT AND REQUIRED CLEARANCES.
D.	SLOPE ALL EXTERIOR SURFACES AWAY FROM BUILDING.
E.	SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS.

5.01 ARCHITECTURAL METAL AWNING
26.05 EXTERIOR LIGHT, SEE ELECTRICAL



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PROJECT INFORMATION

10 K STREET BAKER CITY, OR 97814

CASE BID DOCUMENTS

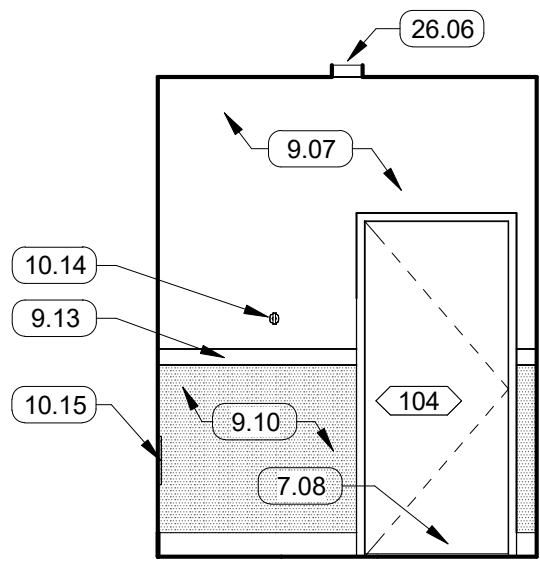
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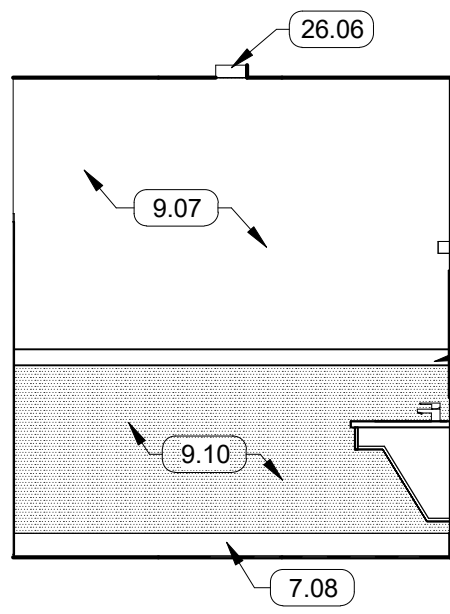
MARK	DATE	DESCRIPTION
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ALL SECTIONS

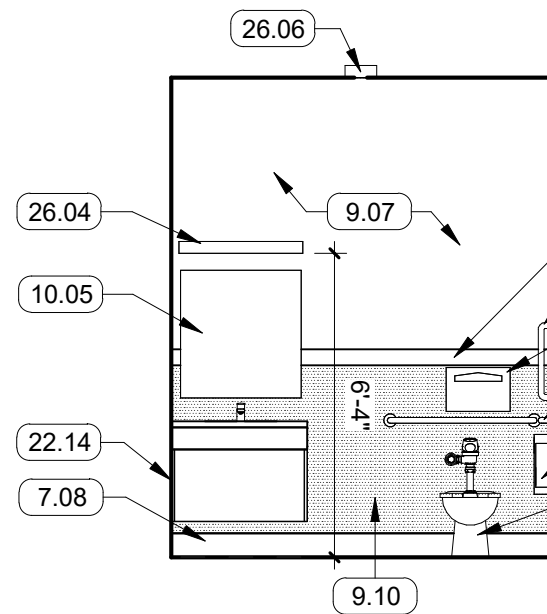
A351



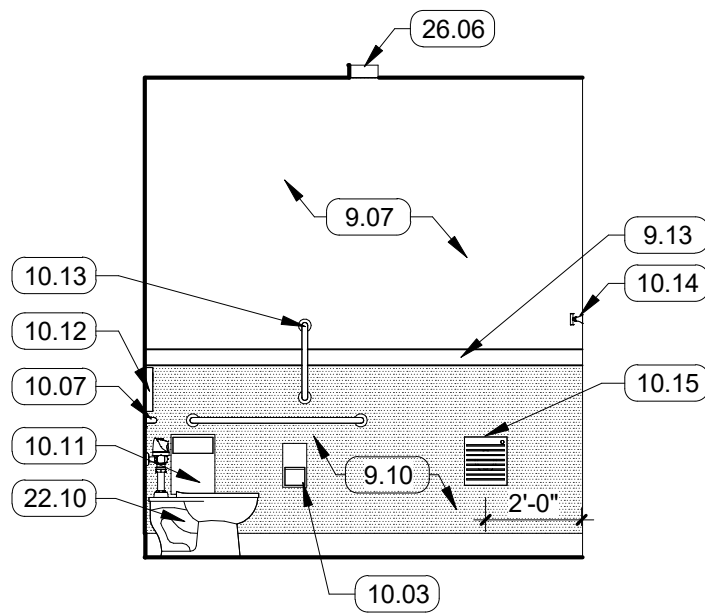
2 RESTROOM 1 NORTH
SCALE: 1/4" = 1'-0"



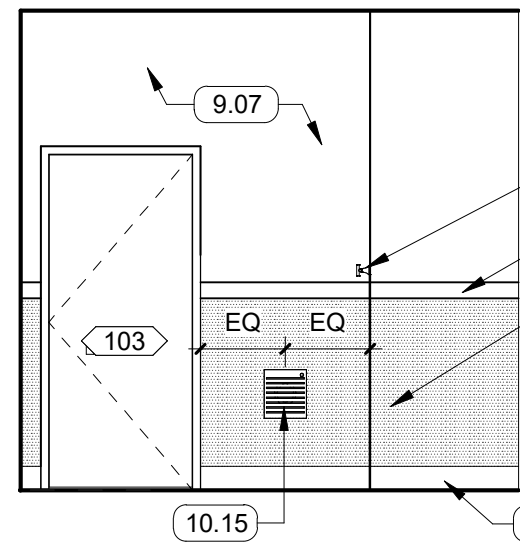
3 RESTROOM 1 EAST
SCALE: 1/4" = 1'-0"



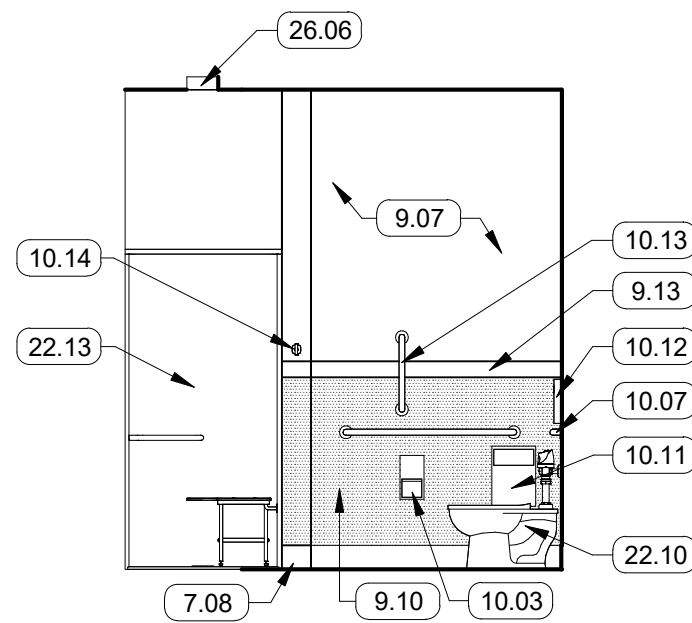
4 RESTROOM 1 SOUTH
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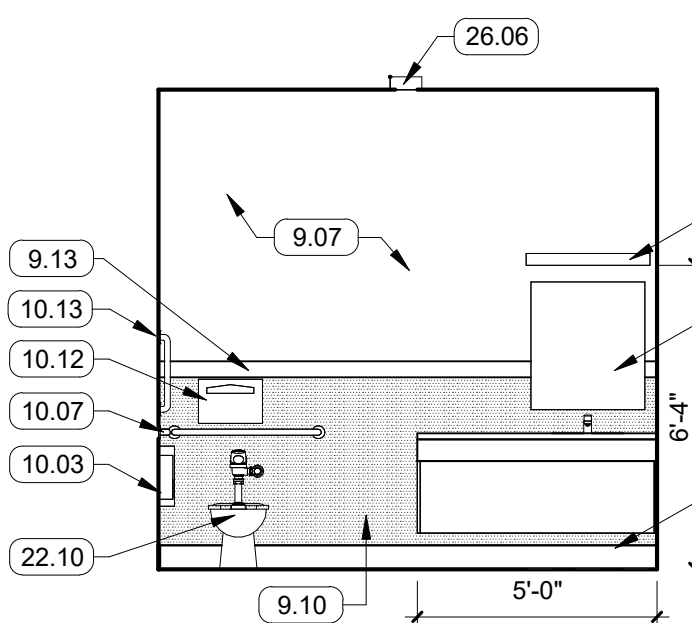
5 RESTROOM 1 WEST
SCALE: 1/4" = 1'-0"



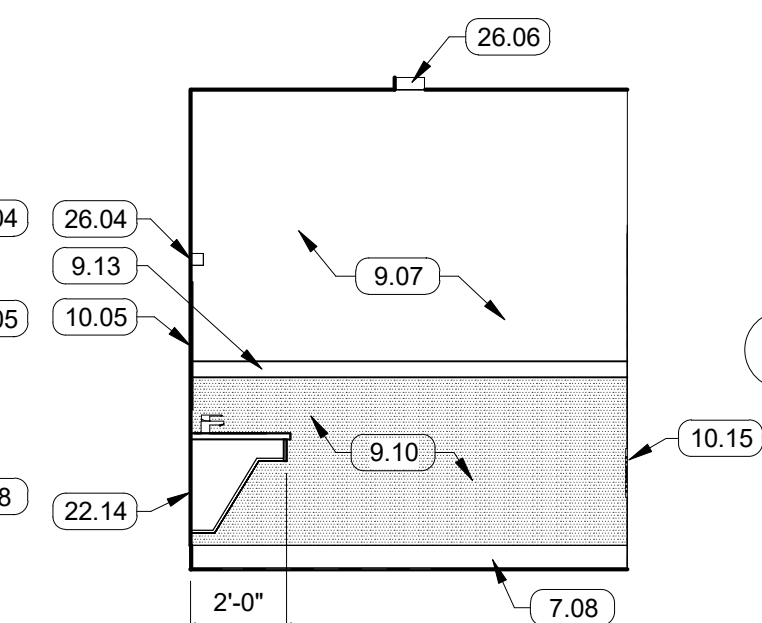
6 RESTROOM 2 NORTH
SCALE: 1/4" = 1'-0"



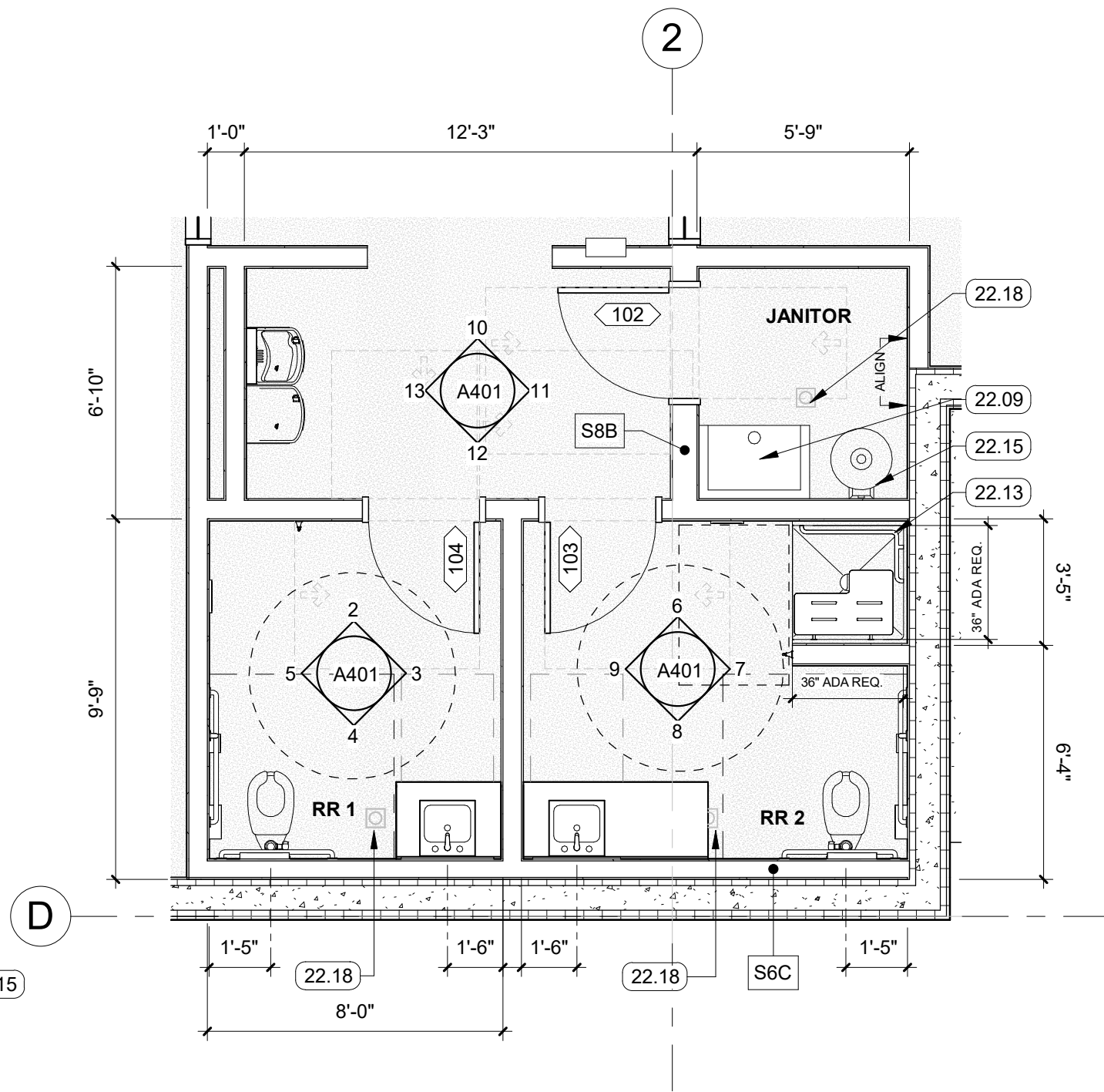
7 RESTROOM 2 EAST
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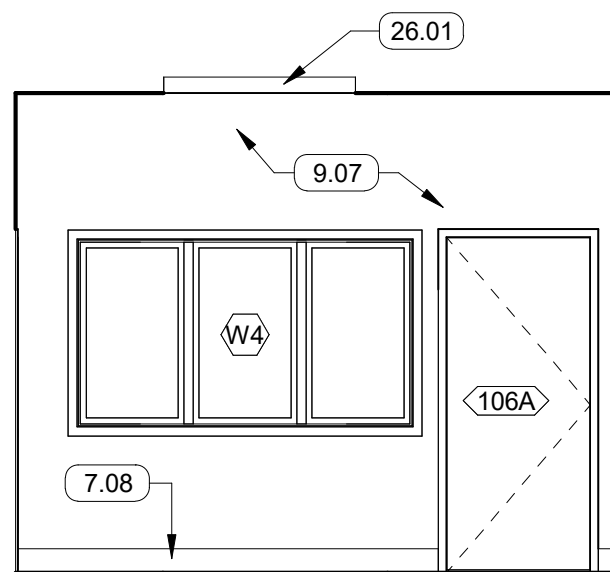
8 RESTROOM 2 SOUTH
SCALE: 1/4" = 1'-0"



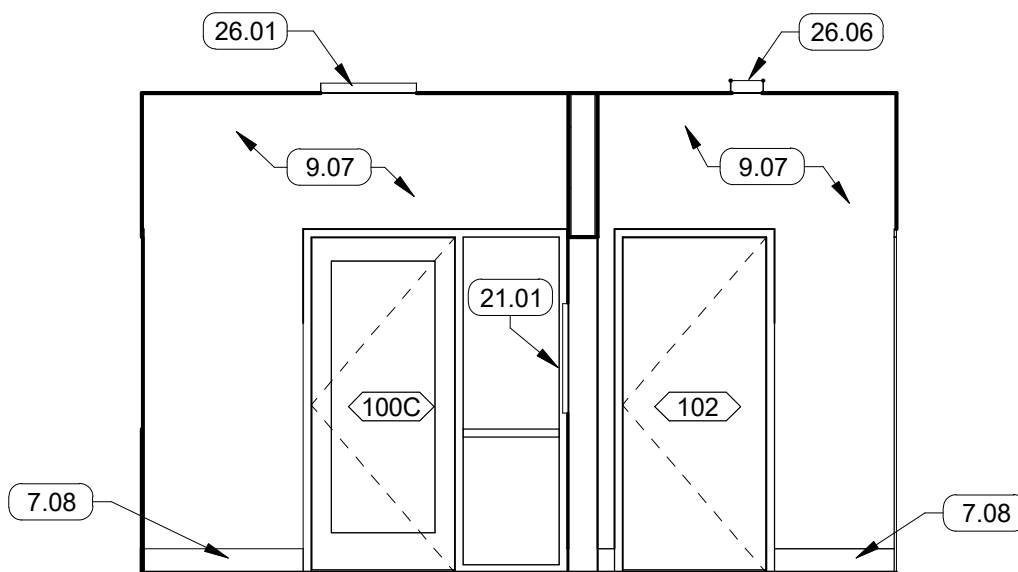
9 RESTROOM 2 WEST
SCALE: 1/4" = 1'-0"



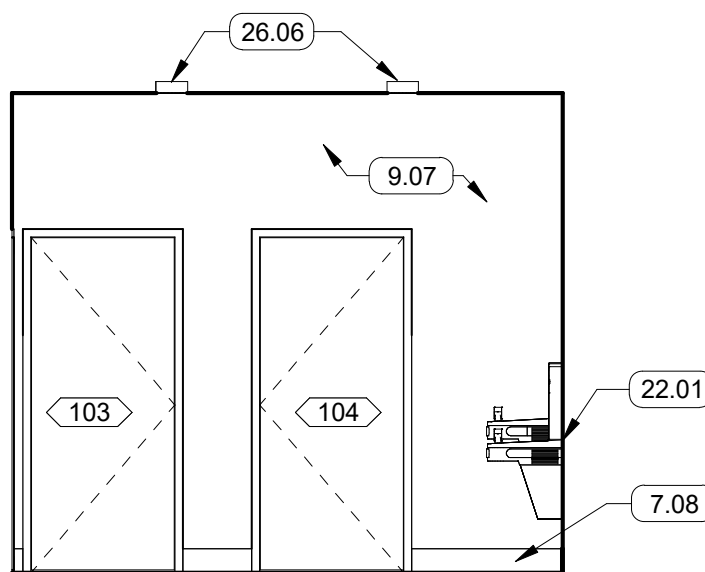
1 ENLARGED RESTROOMS
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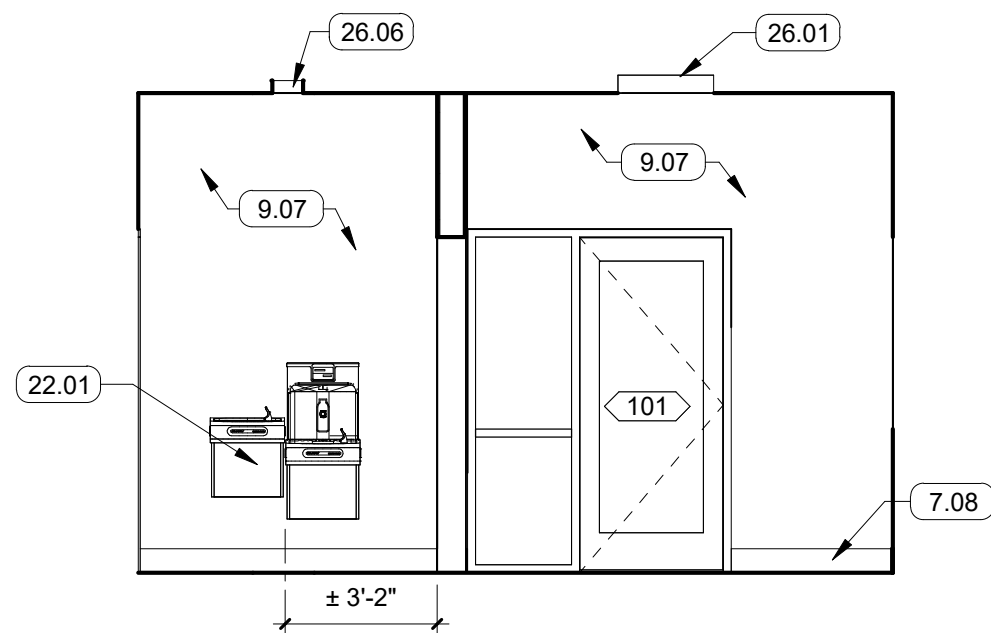
10 HALLWAY NORTH
SCALE: 1/4" = 1'-0"



11 HALLWAY EAST
SCALE: 1/4" = 1'-0"



12 HALLWAY SOUTH
SCALE: 1/4" = 1'-0"



13 HALLWAY WEST
SCALE: 1/4" = 1'-0"

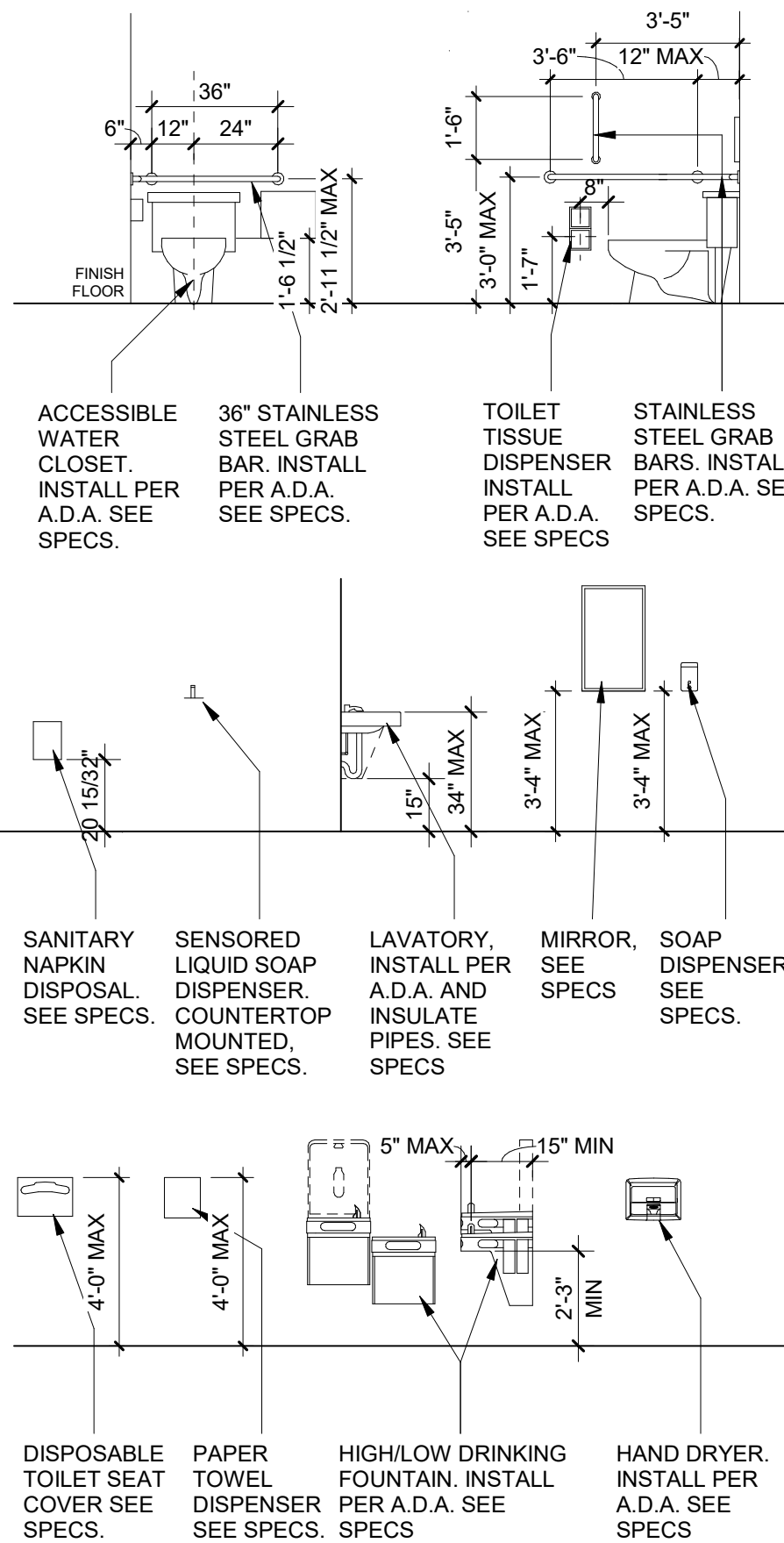
FIXTURE BASIS OF DESIGN

Keynote	DESCRIPTION	CFCI	OFCI	OFOI	MANUFACTURER	Model	HADWARE FINISH	Plumbing Req.	Electrical Req.	Comments
10.03	Toilet paper Dispenser	x			BOBRICK	B-3888				
10.05	Mirror	x			BOBRICK	B-290 2430	SATIN FINISH SS			
10.07	Grab Bar, 36" long	x			BOBRICK	B-6806 x 36				
10.11	Sanitary Napkin Disposal	x			BOBRICK	B-353				
10.12	Toilet Seat Cover Dispenser	x			BOBRICK	B-301				
10.13	Grab Bar, vertical 18"	x			BOBRICK	B-6806 x 18: 18"				
10.14	Hat & Coat Hook	x			BOBRICK	B-682				
10.15	Wall Heater	x			QMARK	CWH1101DSF			x	
22.01	ADA Water Fountain	x			ELKAY	LZWS-LRPBM28K		x	x	
22.09	Mop Sink	x			FIAT	MSB2424		x		
22.10	Water Closet	x			AMERICAN STANDARD	3641001.020 Madera		x		
22.13	Shower Stall	x			EVERFAB	S3637		x		
22.14	ADA Lavatory Station	x			Bradley	TLX-1	OIL RUBBED FRONZE	x		

GENERAL NOTES

- REFER ENLARGED TOILET PLANS FOR LEFT OR RIGHT HAND PLACEMENT OF TOILET ACCESSORIES.
- REFER TO MOUNTING HEIGHTS FOR RELATIVE MOUNTING LOCATIONS.
- MOUNTING HEIGHTS ARE FROM TOP OF FINISHED FLOOR TO TOP OF UNIT UNLESS NOTED OTHERWISE.
- ALL EXPOSED DRAIN LINES TO BE INSULATED.

MOUNTING HEIGHTS



KEYNOTE LEGEND

- 7.08 BASE TRIM TYP. ALL ELEVATION
9.07 PAINT
9.10 FRP WALL PANELS
9.13 4" FRP 'J' TRIM TO MATCH FRP
10.03 TOILET PAPER DISPENSER.
10.05 MIRROR
10.07 GRAB BAR, 36" LONG
10.11 SANITARY NAPKIN DISPOSAL
10.12 TOILET SEAT COVER DISPENSER
10.13 GRAB BAR, VERTICAL 18"
10.14 ROBE HOOK
10.15 WALL MOUNTED HEATING UNIT
21.01 SEMI-RECESSED FIRE EXTINGUISHER CABINET
22.01 HIGH/LOW ADA ACCESSIBLE DRINKING FOUNTAIN AND WATER FILLING STATION.
22.09 MOP SINK
22.10 WATER CLOSET
22.13 SHOWER STALL
22.14 ADA LAVATORY STATION, SEE DETAIL 3/A651 & G002
22.15 WATER HEATER, SEE PLUMBING SHEETS
22.18 FLOOR DRAIN, SEE PLUMBING
26.01 TROFFER LIGHTS, SEE ELECTRICAL
26.04 ELECTRICAL AUTOMATIC TRANSFER SWITCH, SEE ELECTRICAL
26.06 4" DOWNLIGHT

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ISSUES

PHASE BID DOCUMENTS

DATE ISSUE DATE: 05/16/2025

JOB NUMBER COLE PROJECT: 23-105-OR

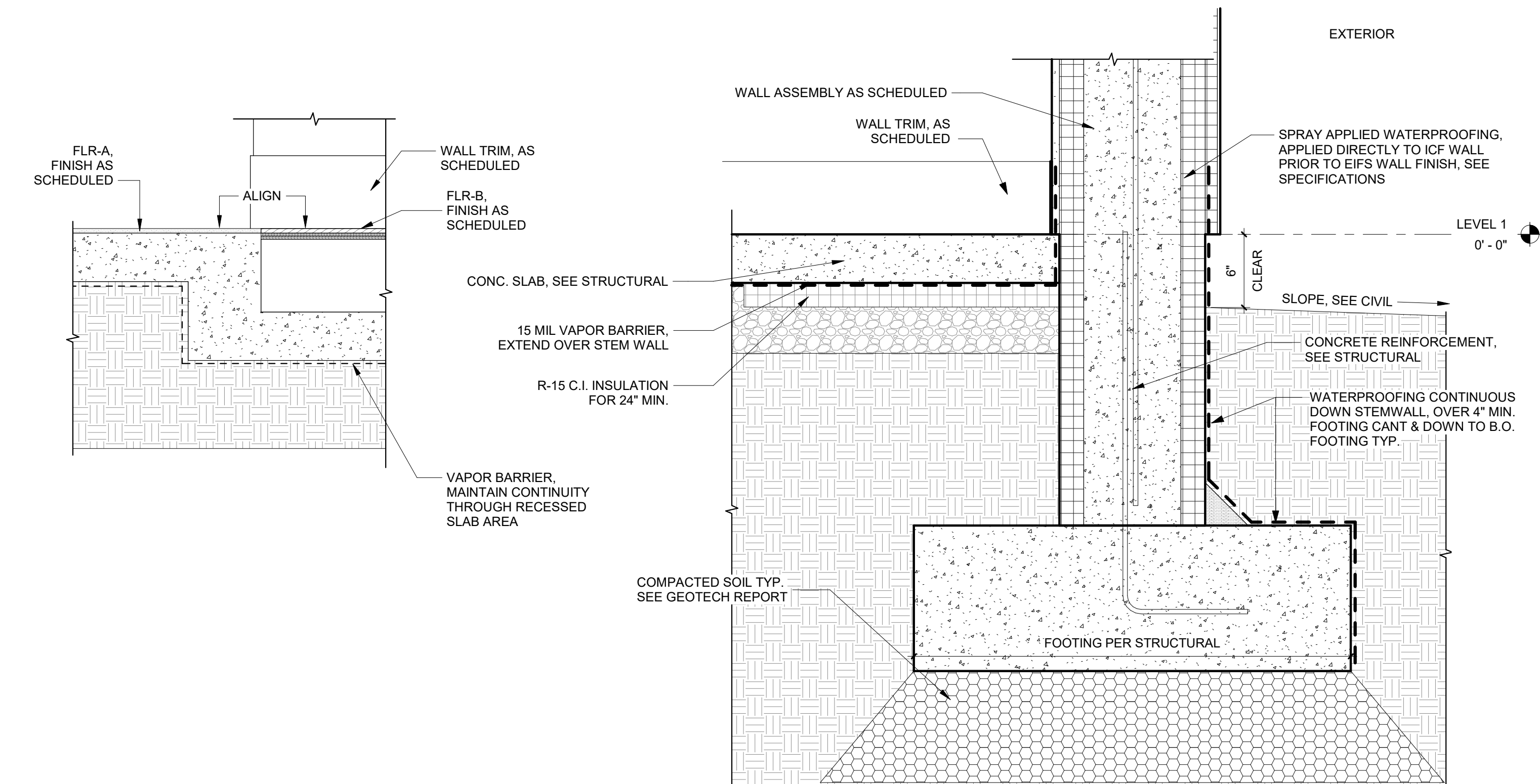
MARK DATE DESCRIPTION

SHEET NAME

ENLARGED PLANS

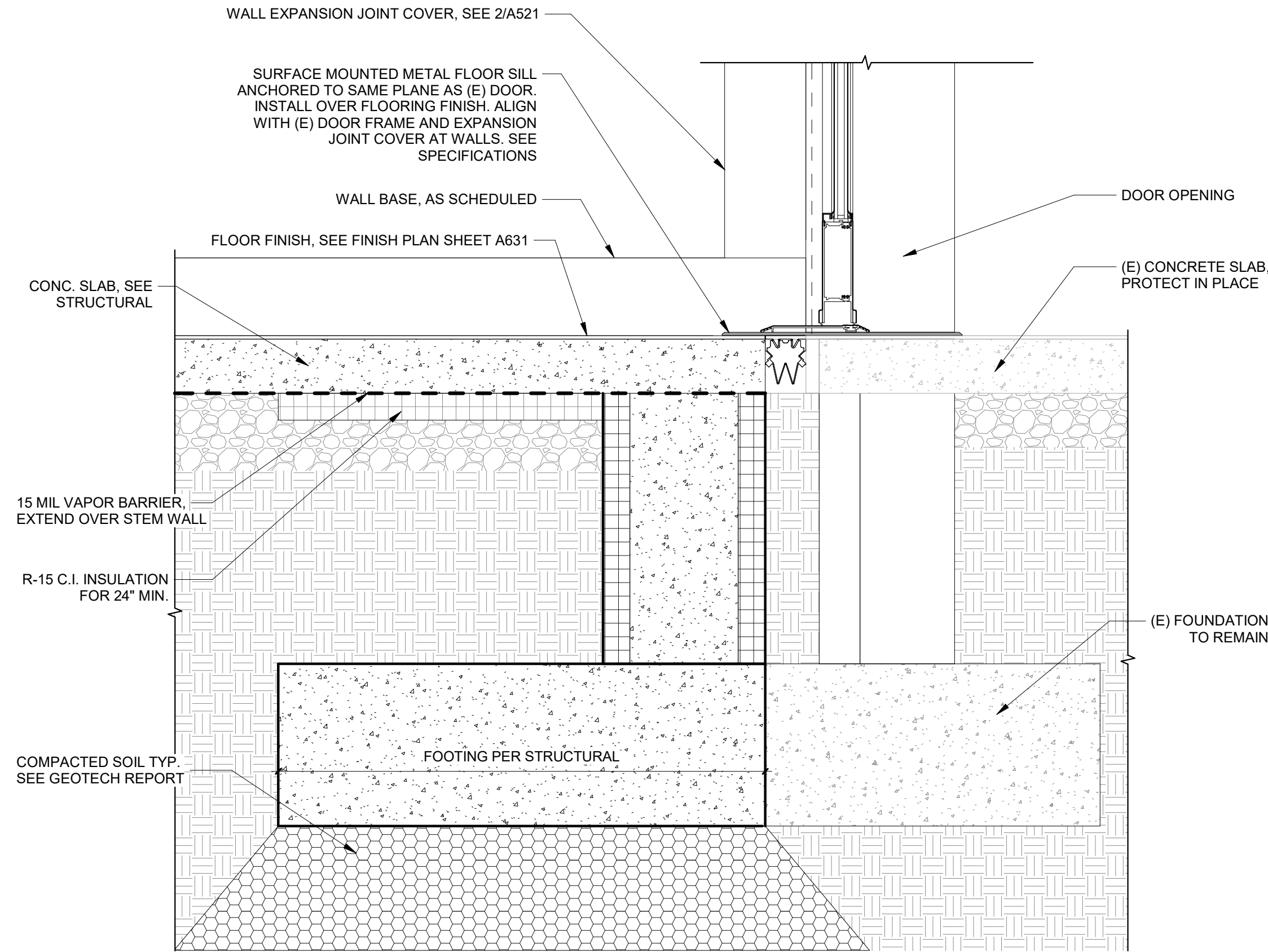
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A401

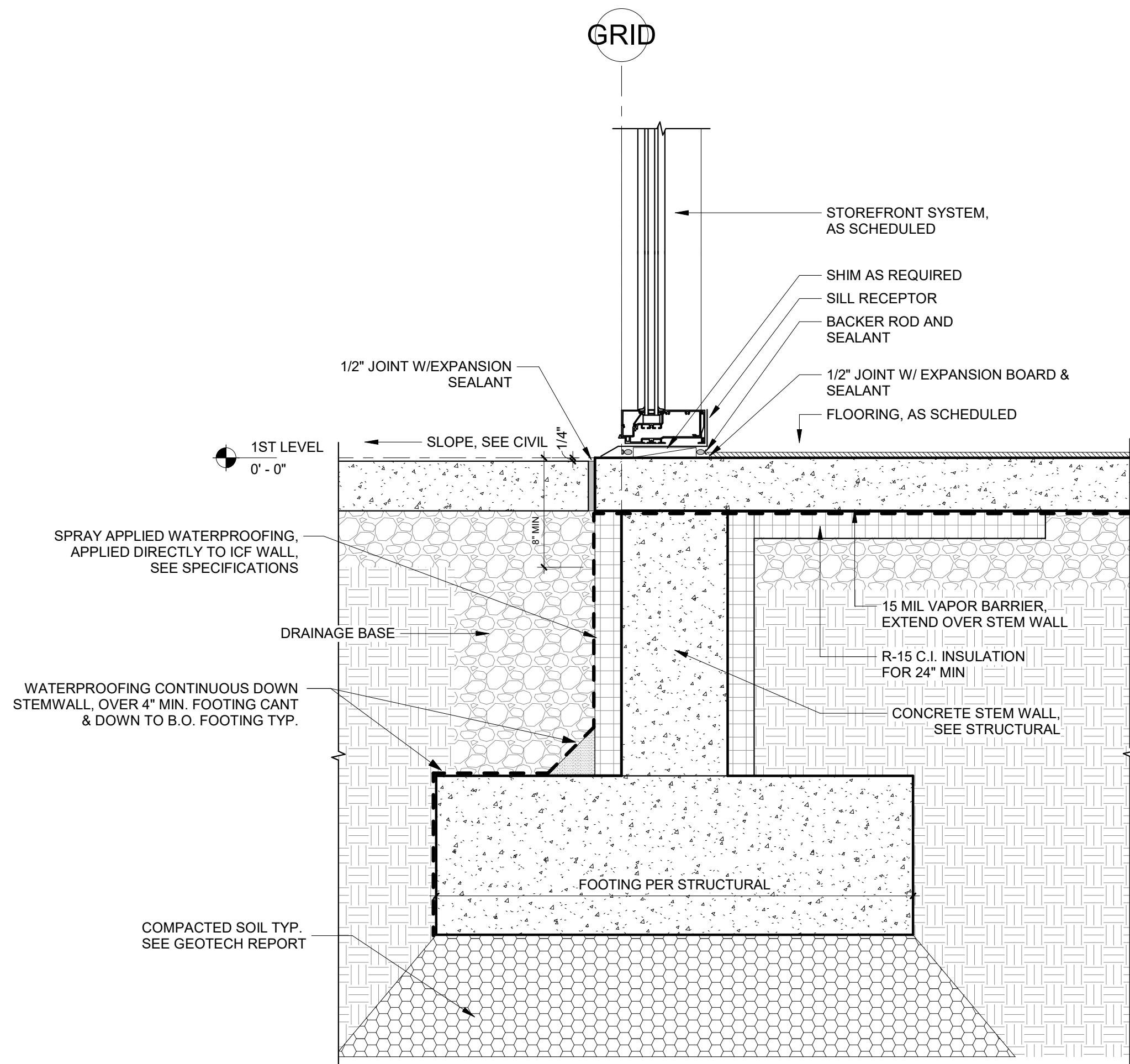


5 RAISED FLOOR TRANSITION DETAIL
SCALE: 1 1/2" = 1'-0"

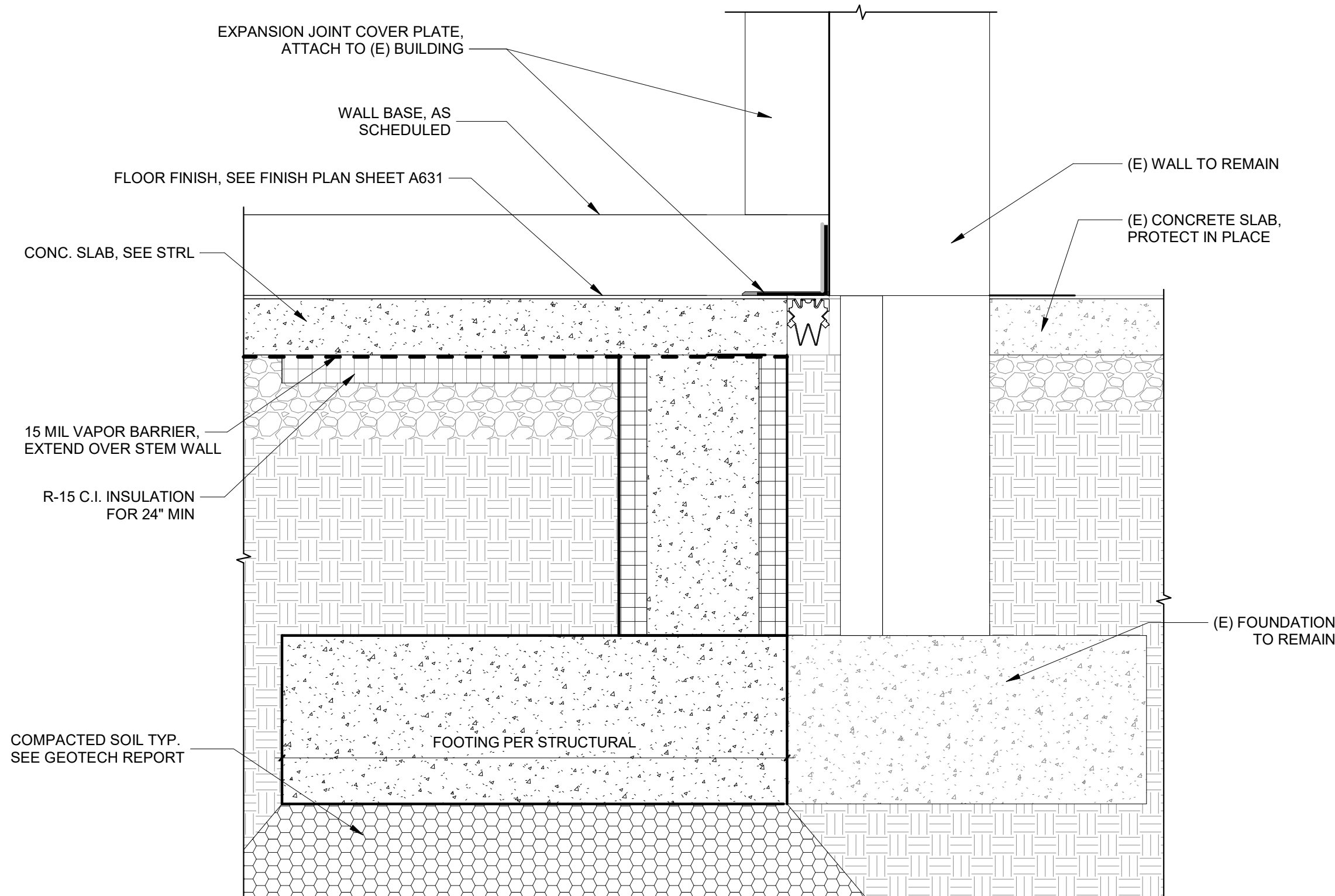
3 FOUNDATION DETAIL
SCALE: 1 1/2" = 1'-0"



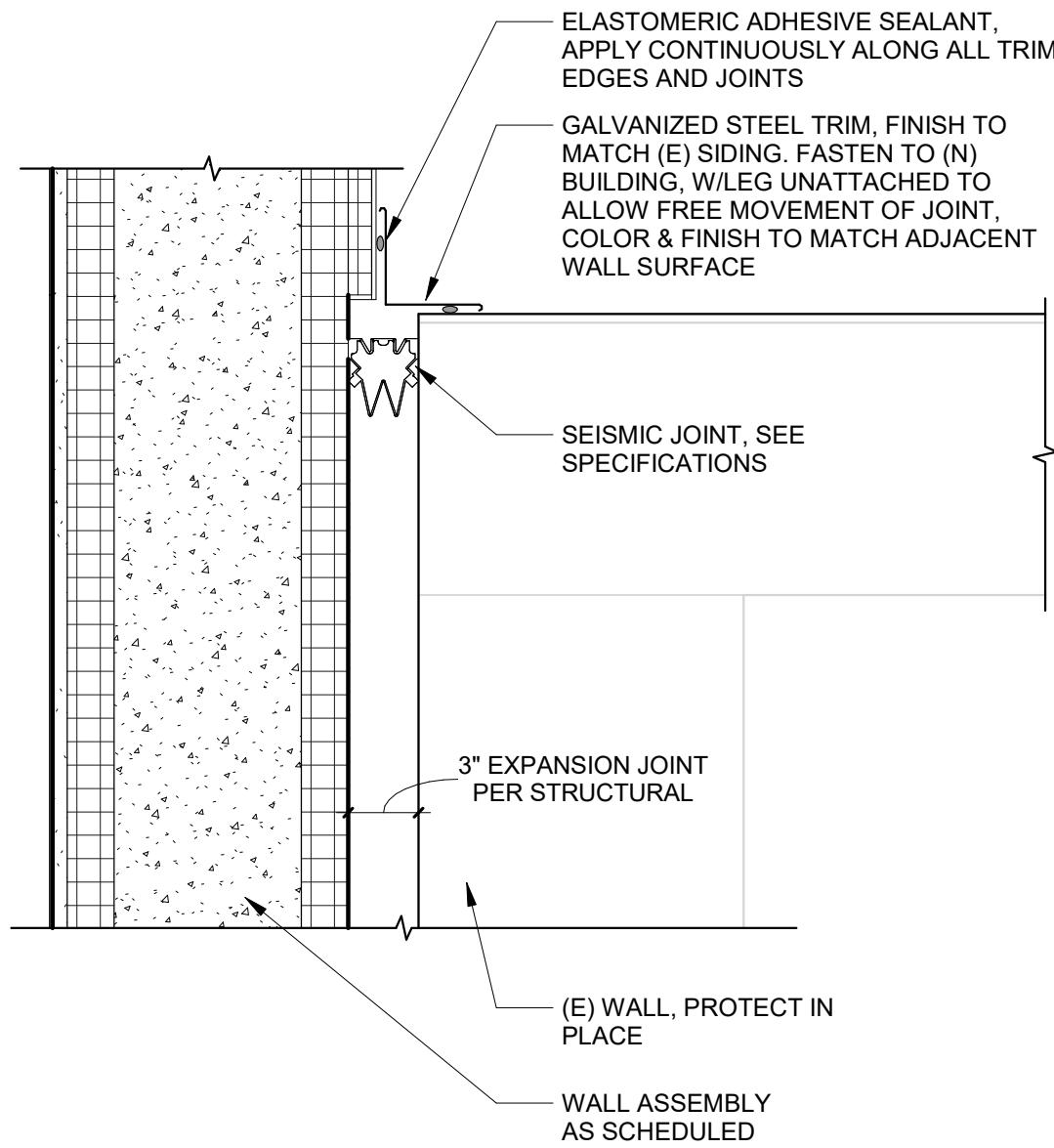
1 EXPANSION JOINT FOUNDATION @ DOOR
SCALE: 1 1/2" = 1'-0"



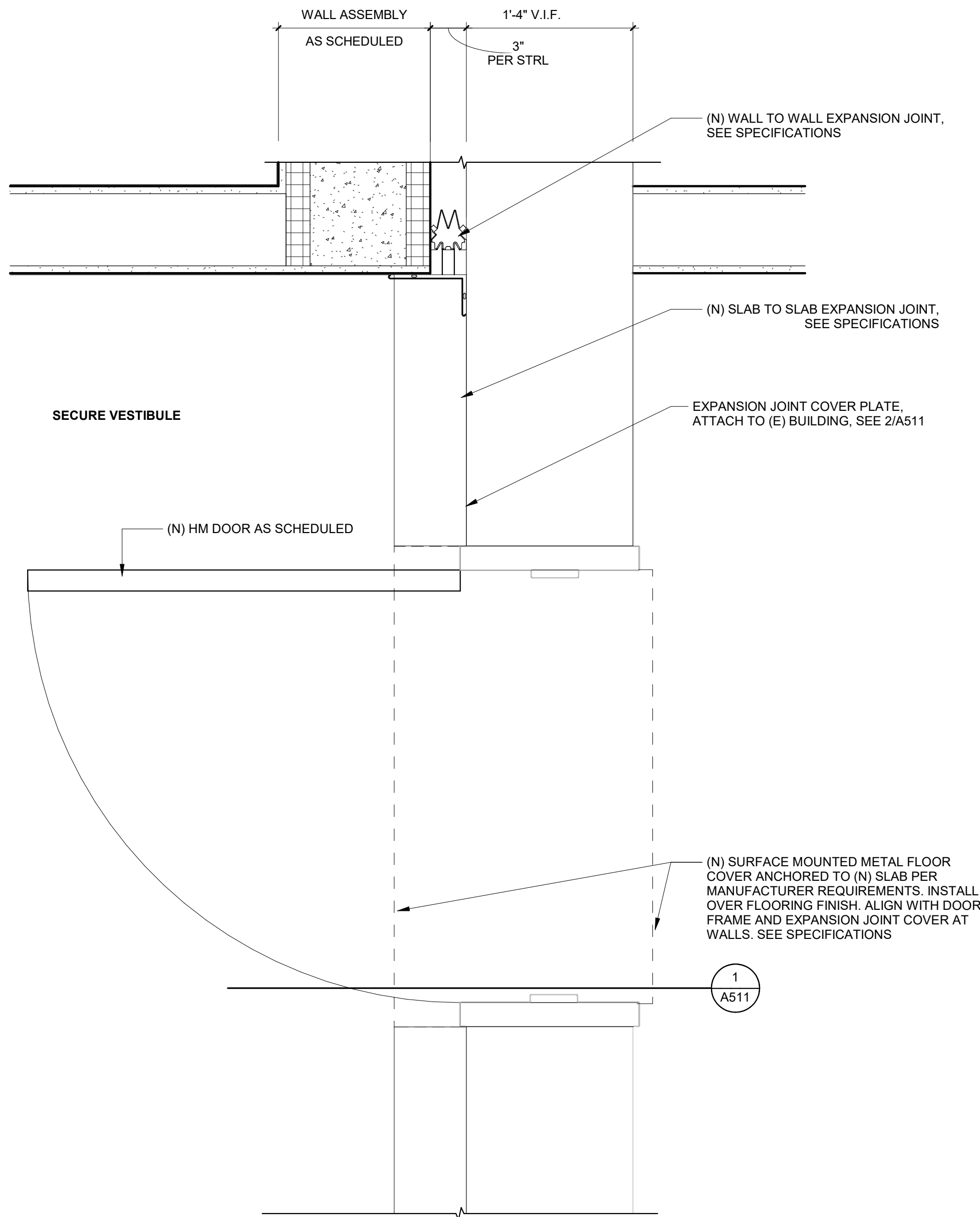
4 DETAIL - FOUNDATION @ STOREFRONT
SCALE: 1 1/2" = 1'-0"



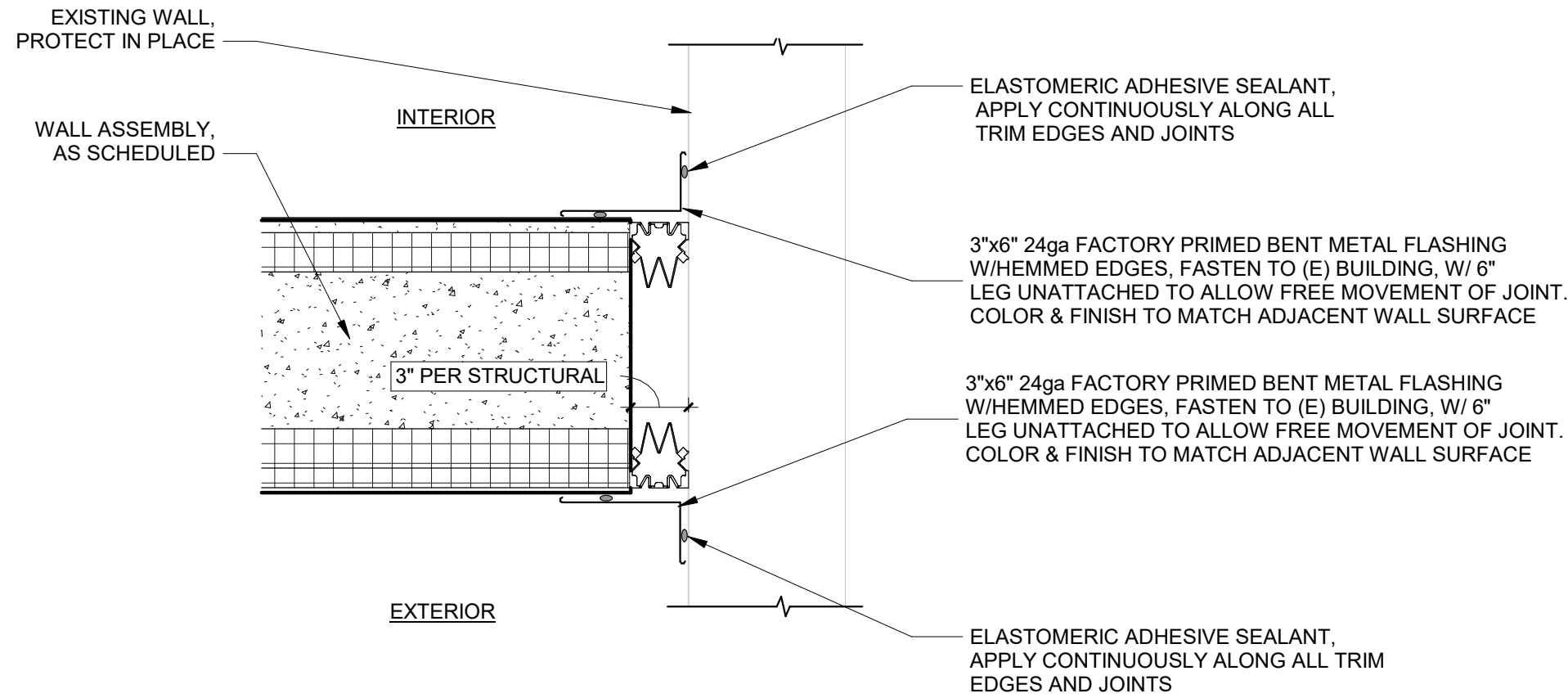
2 EXPANSION JOINT @ WALL
SCALE: 1 1/2" = 1'-0"



3 EXPANSION JOINT AT PERPENDICULAR WALL
SCALE: 1 1/2" = 1'-0"

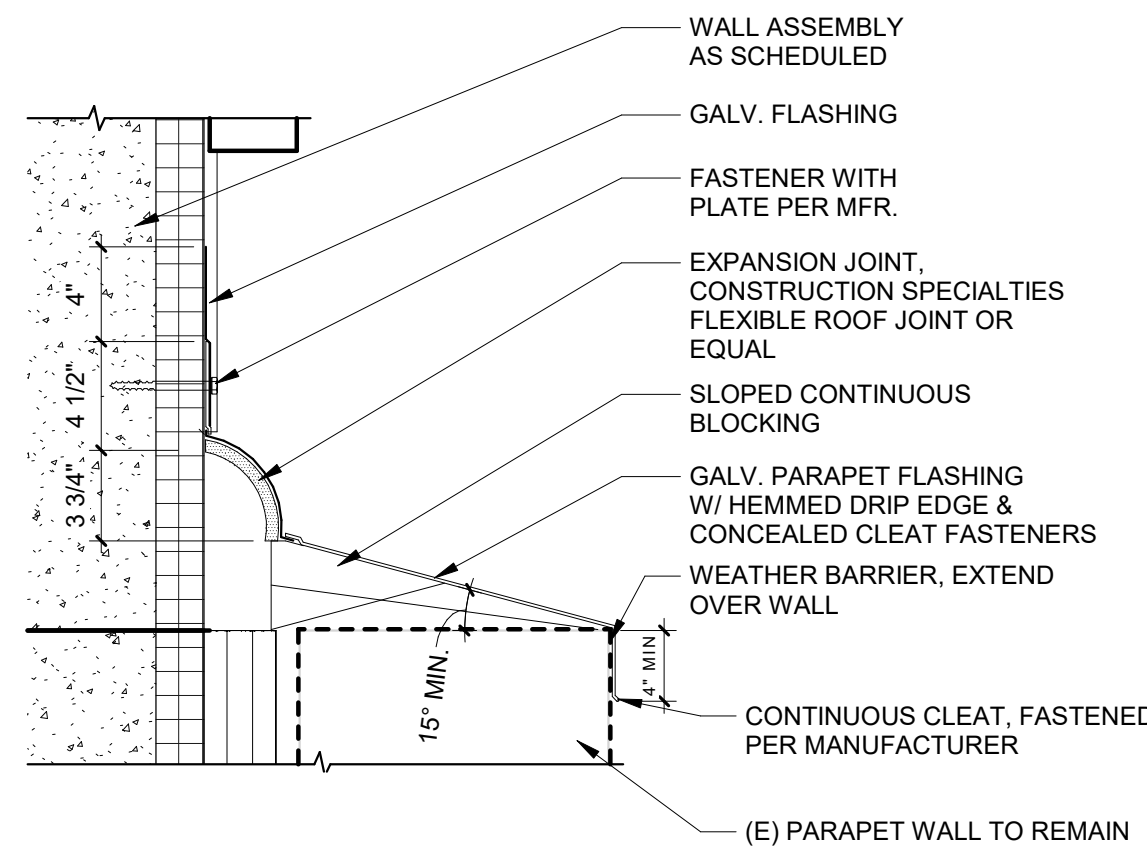


1 EXPANSION JOINT AT DOOR OPENING
SCALE: 1 1/2" = 1'-0"

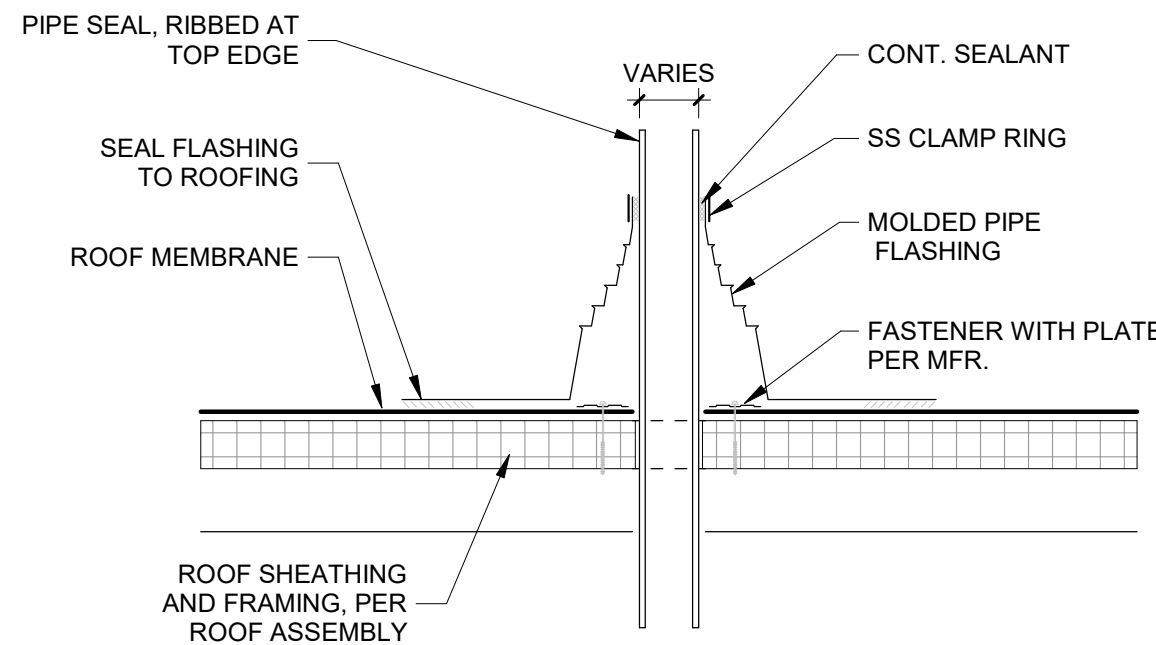


2 EXPANSION JOINT AT FRONT WALL
SCALE: 1 1/2" = 1'-0"

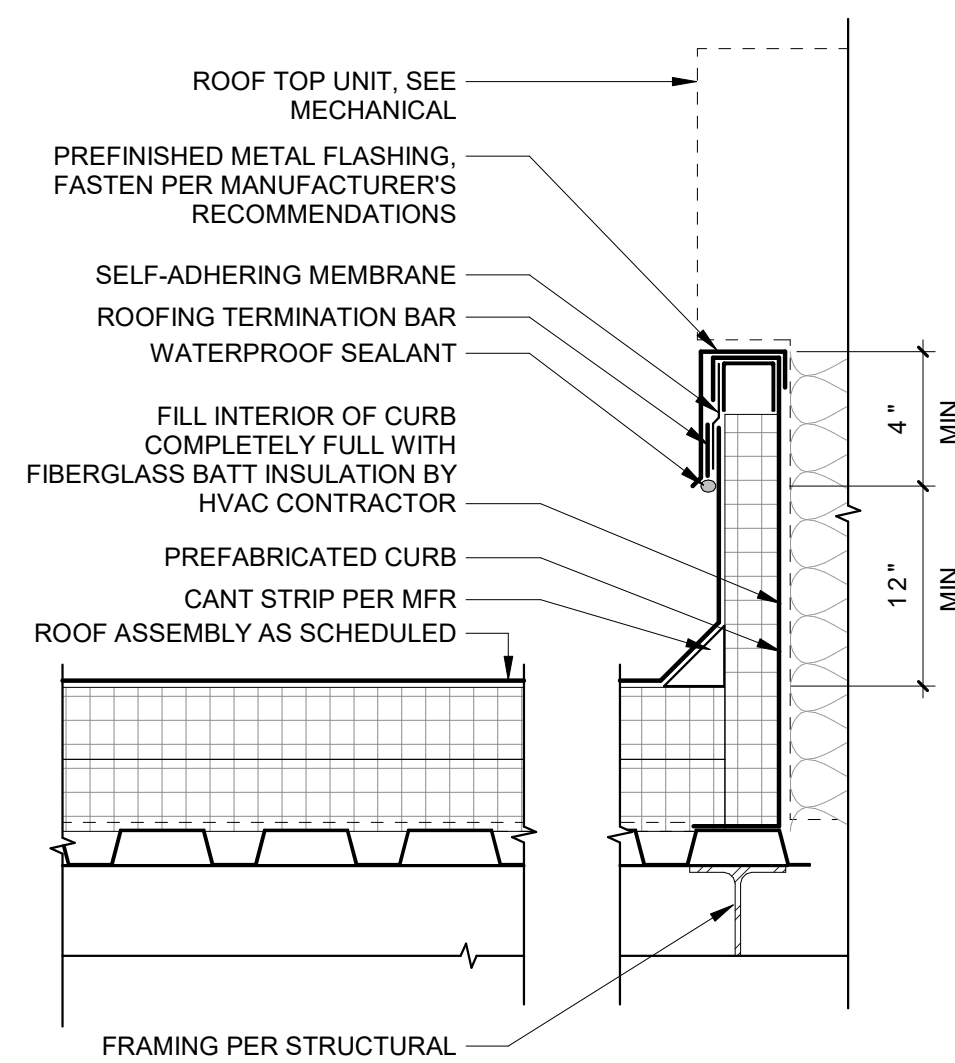
PHASE		BID DOCUMENT
DATE		ISSUE DATE: 05/16/202
JOB NUMBER		COLE PROJECT: 23-105-C
MARK	DATE	DESCRIPTION



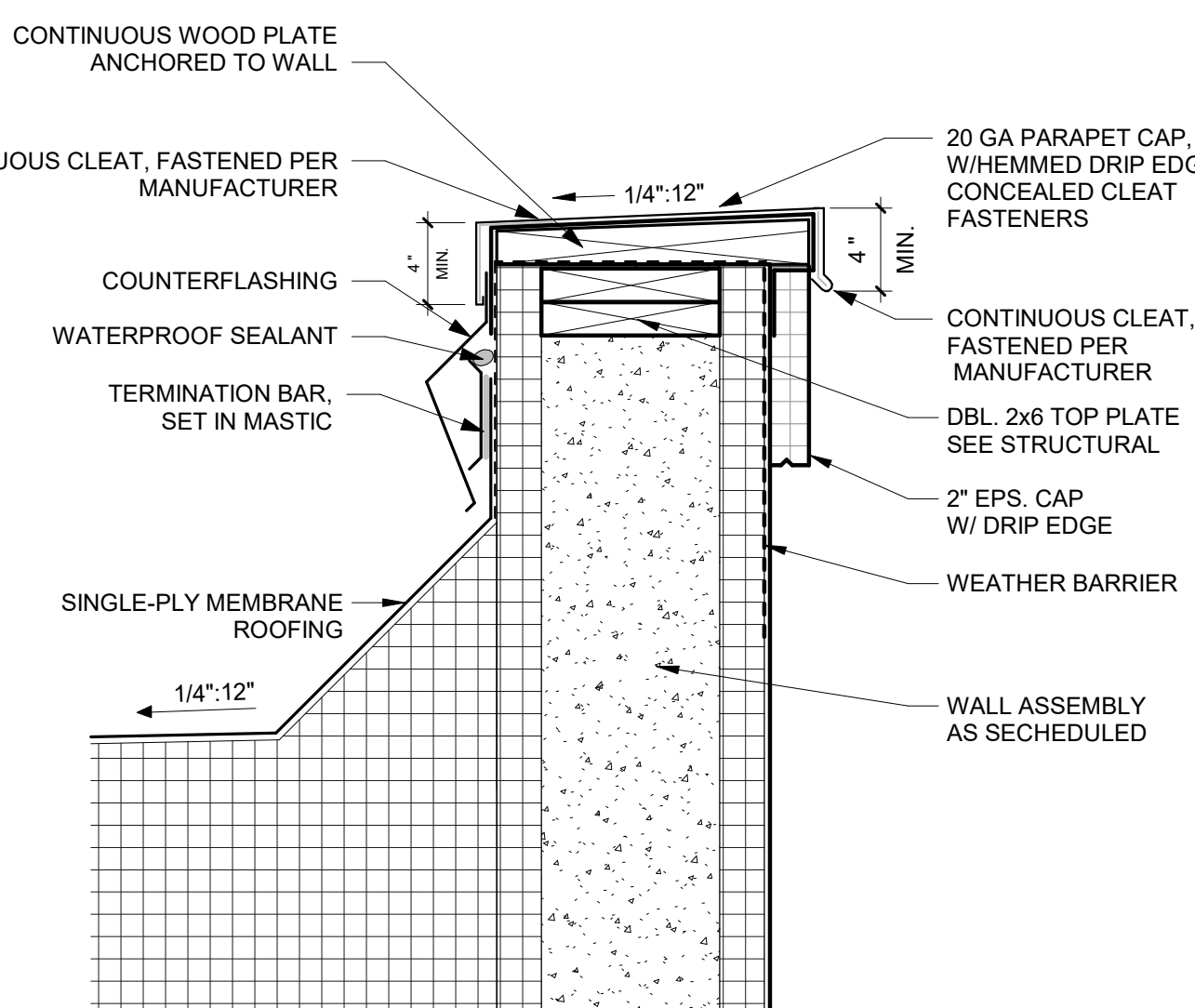
6 EXPANSION JOINT TRANSITION (E) PARAPET
SCALE: 1 1/2" = 1'-0"



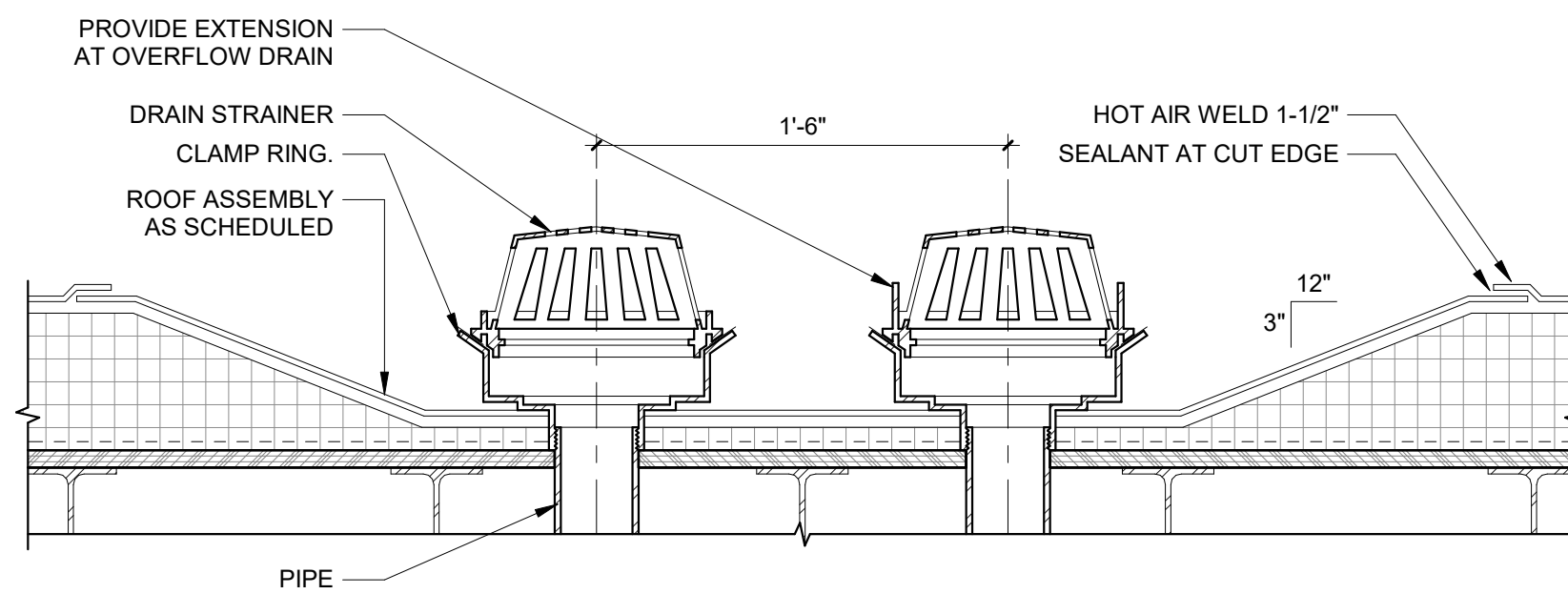
4 ROOF PIPE PENETRATION
SCALE: 1 1/2" = 1'-0"



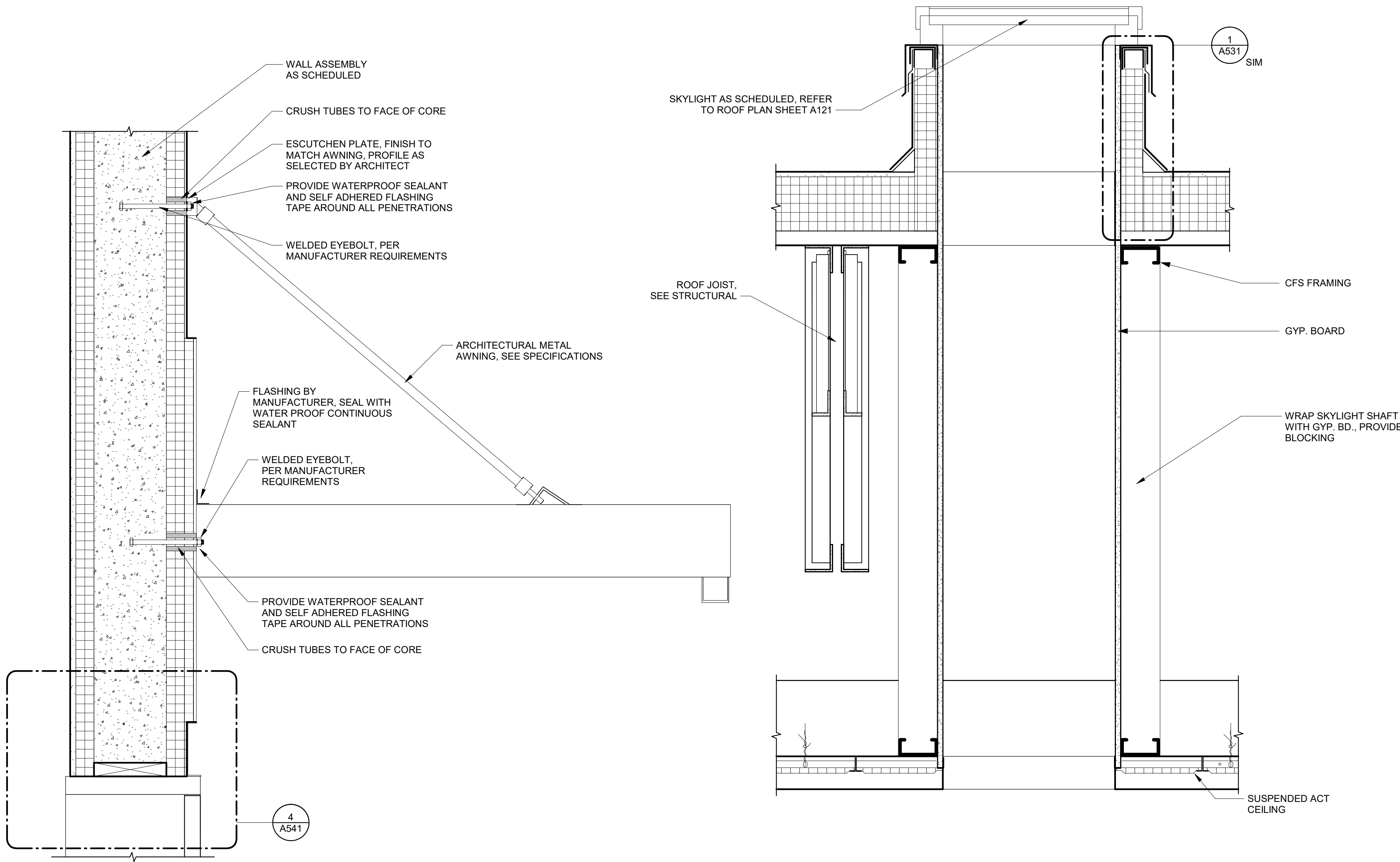
1 ROOF DETAIL - MECHANICAL CURB @ EQUIPMENT PAD
SCALE: 1 1/2" = 1'-0"



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

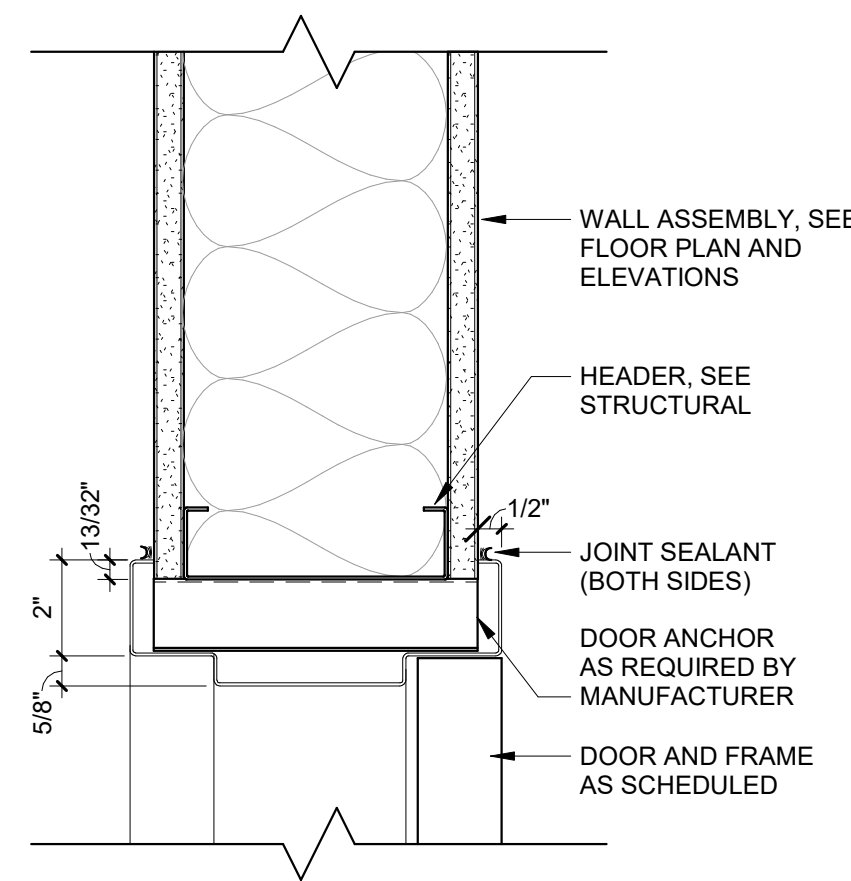


3 ROOF DRAIN
SCALE: 1 1/2" = 1'-0"



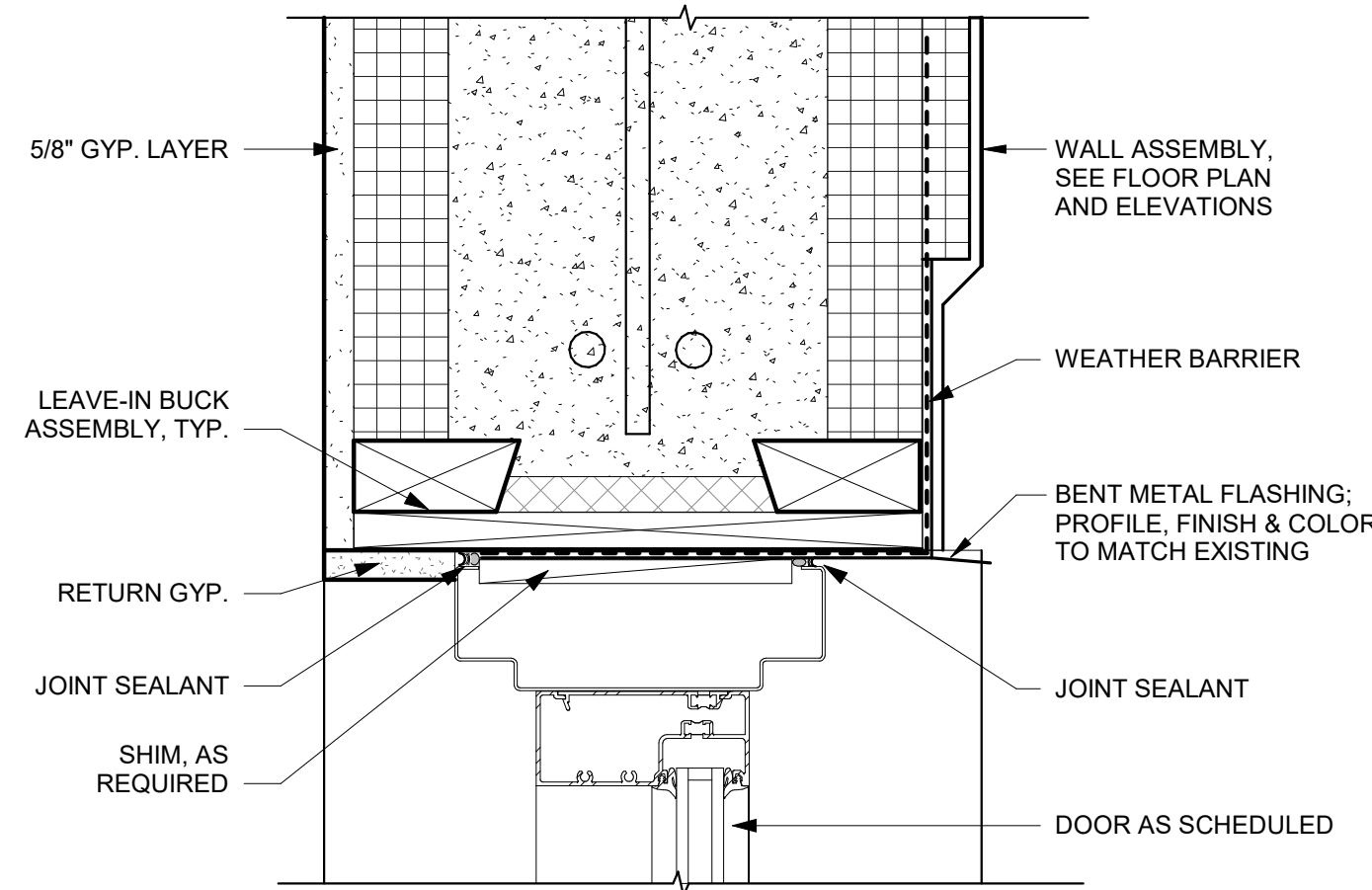
7 ARCHITECTURAL METAL AWNING DETAIL
SCALE: 1 1/2" = 1'-0"

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



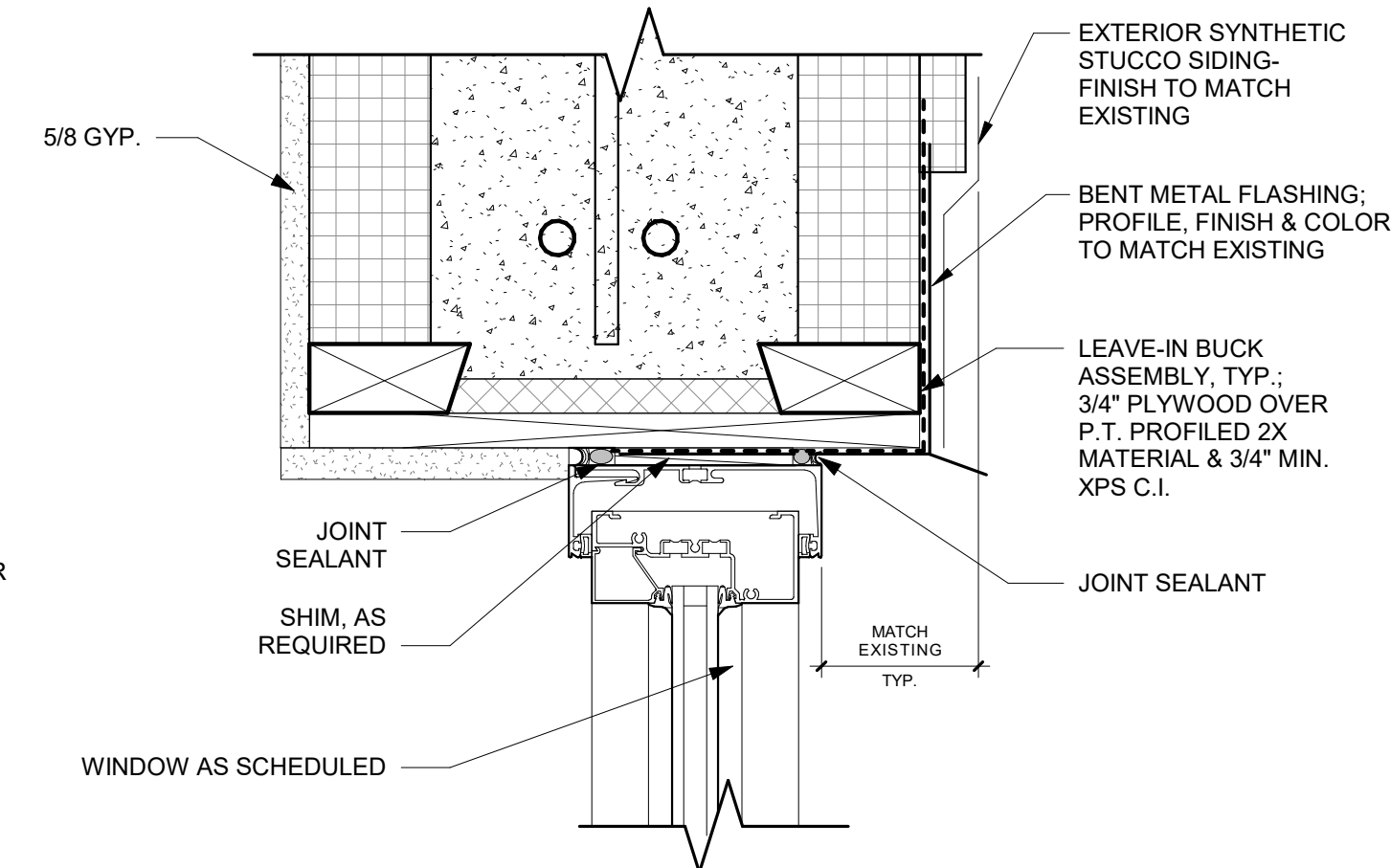
7 HOLLOW METAL FRAME @ DOOR HEAD

SCALE: 3" = 1'-0"



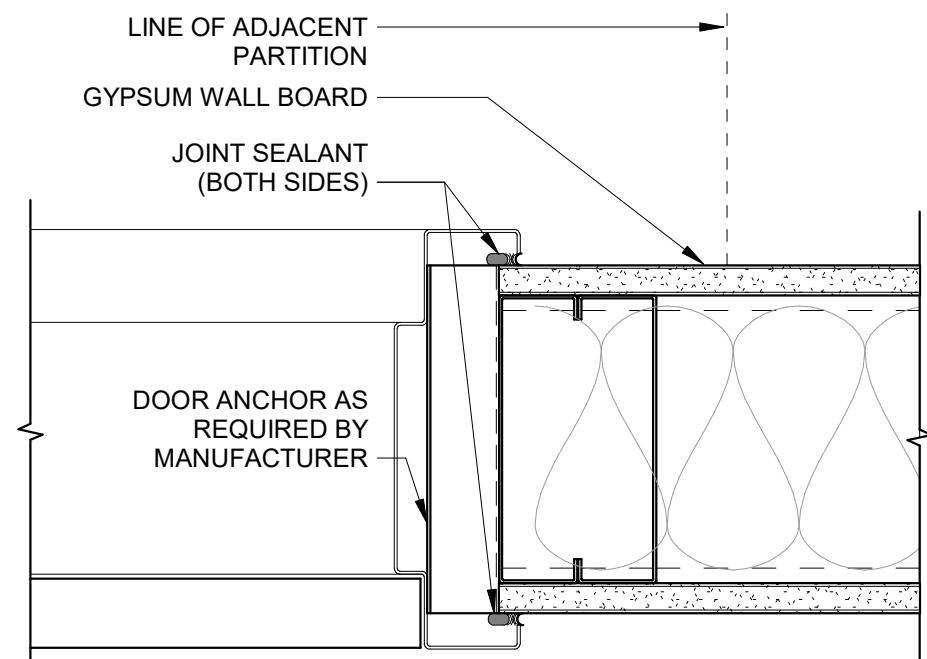
4 EXTERIOR DOOR HEAD ICF

SCALE: 3" = 1'-0"



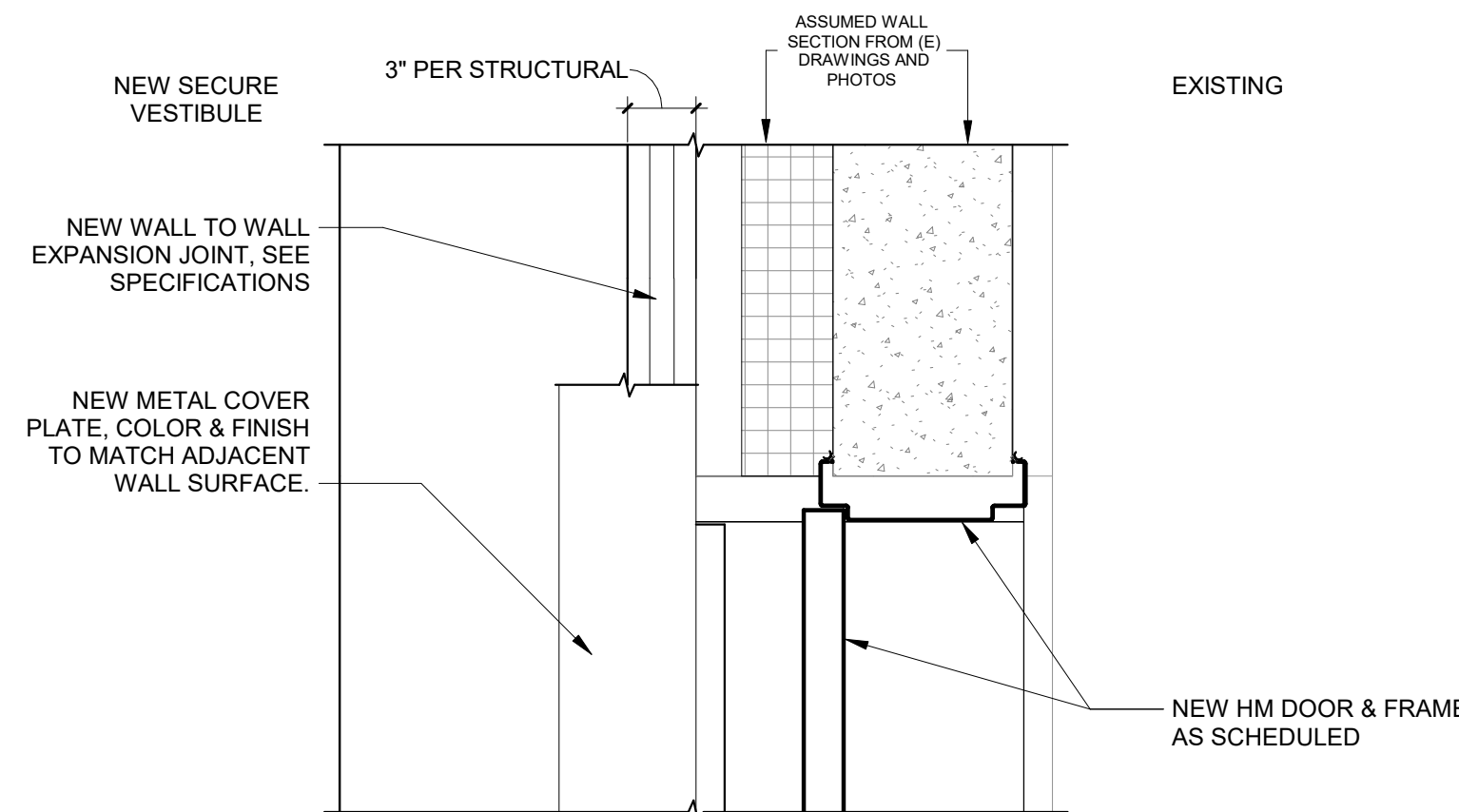
1 ICF WINDOW HEAD

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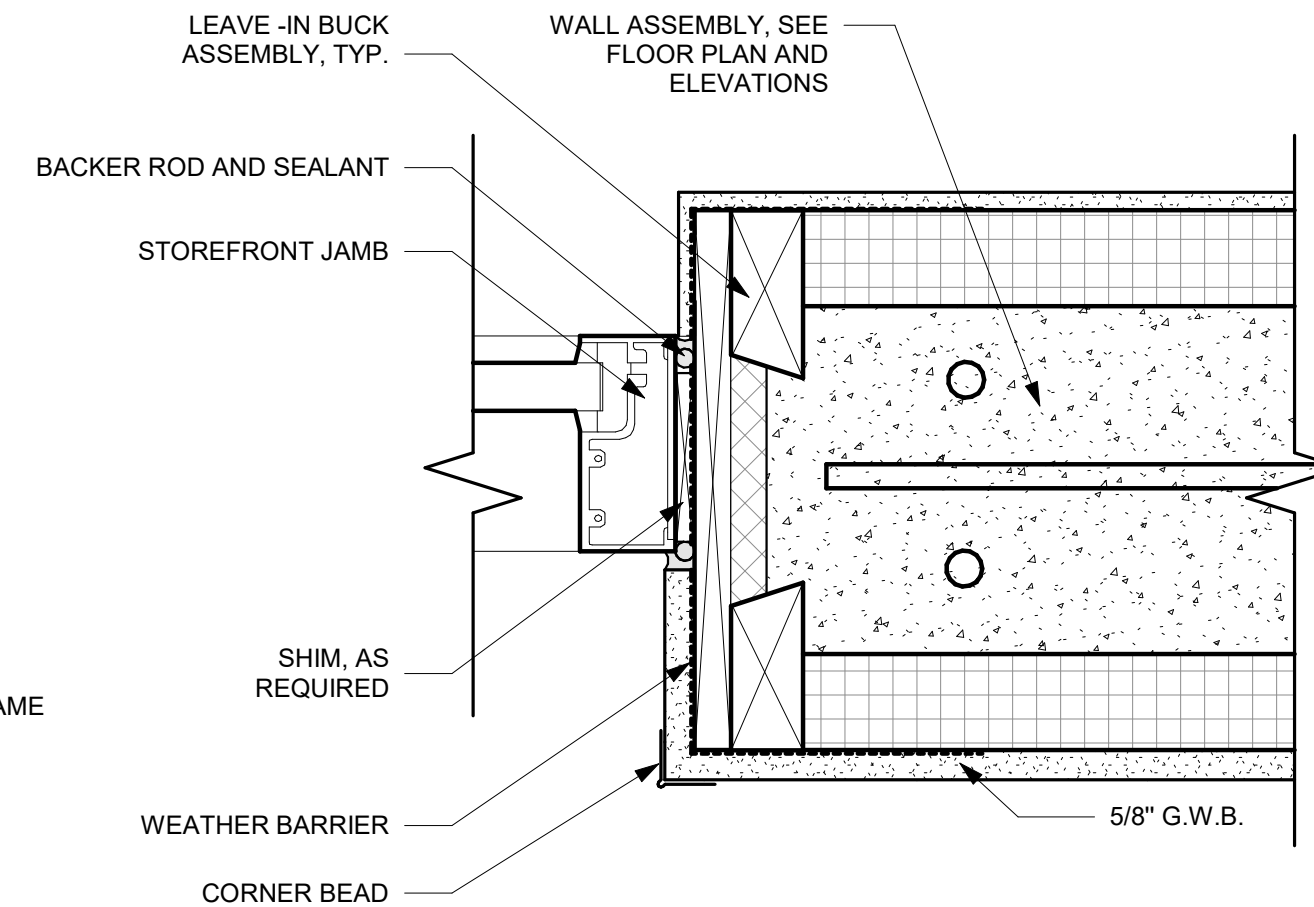
8 HOLLOW METAL FRAME @ DOOR JAMB

SCALE: 3" = 1'-0"



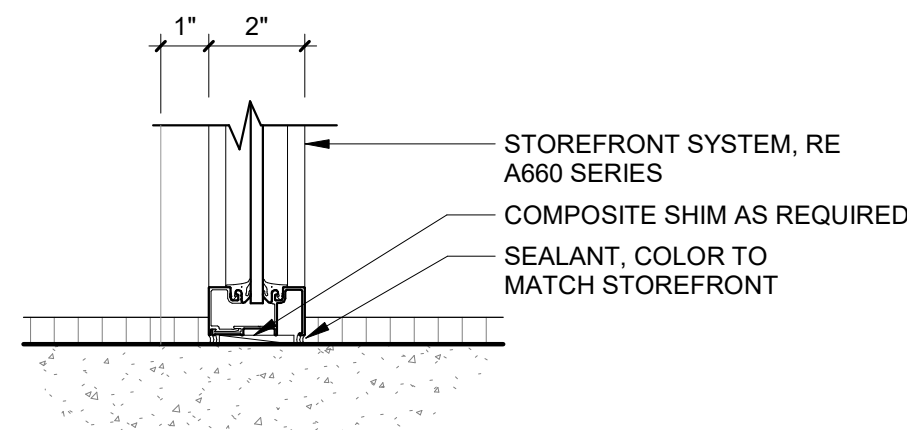
5 EXPANSION JOINT HM DOOR HEAD

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



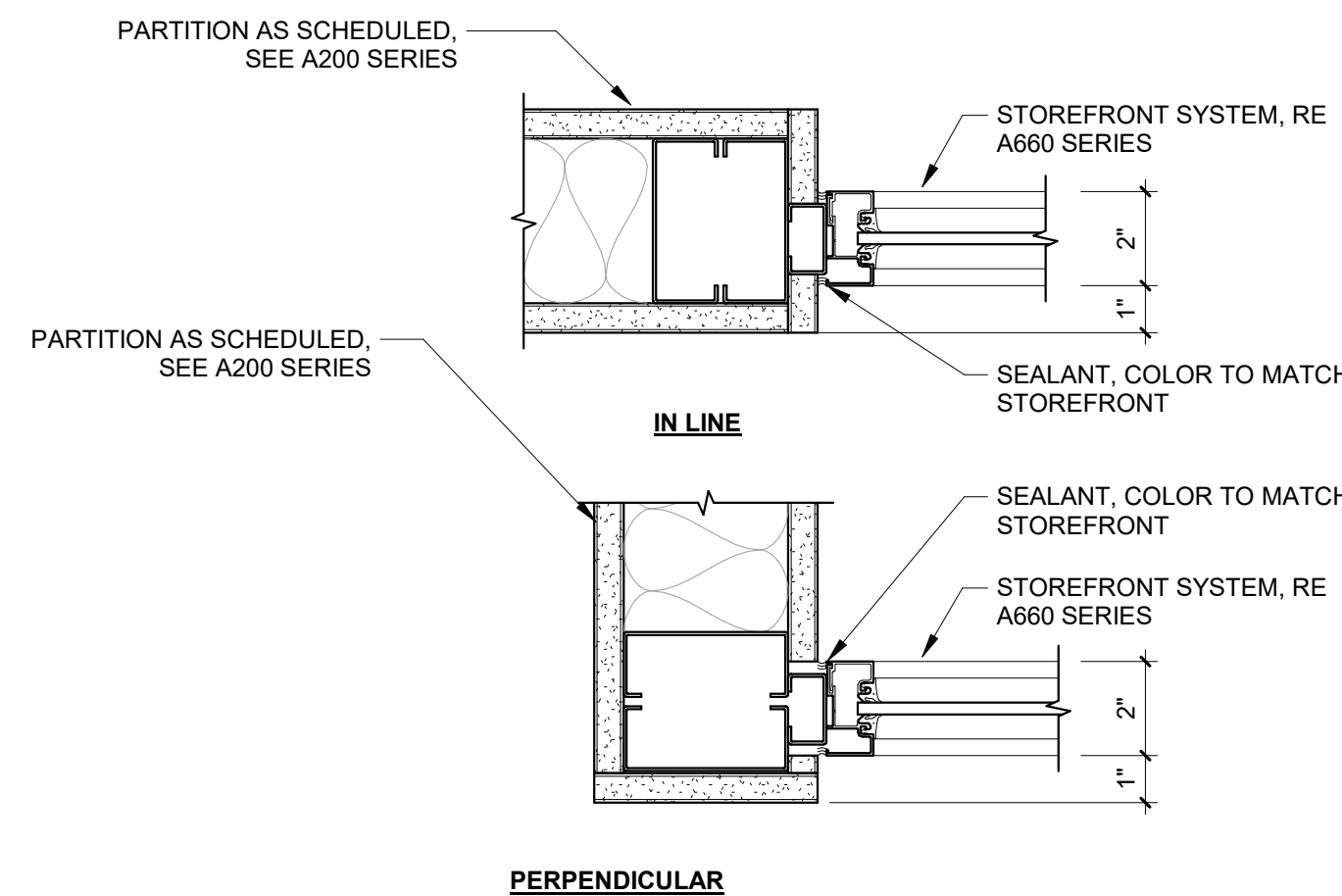
2 ICF EXT. STOREFRONT JAMB

SCALE: 3" = 1'-0"



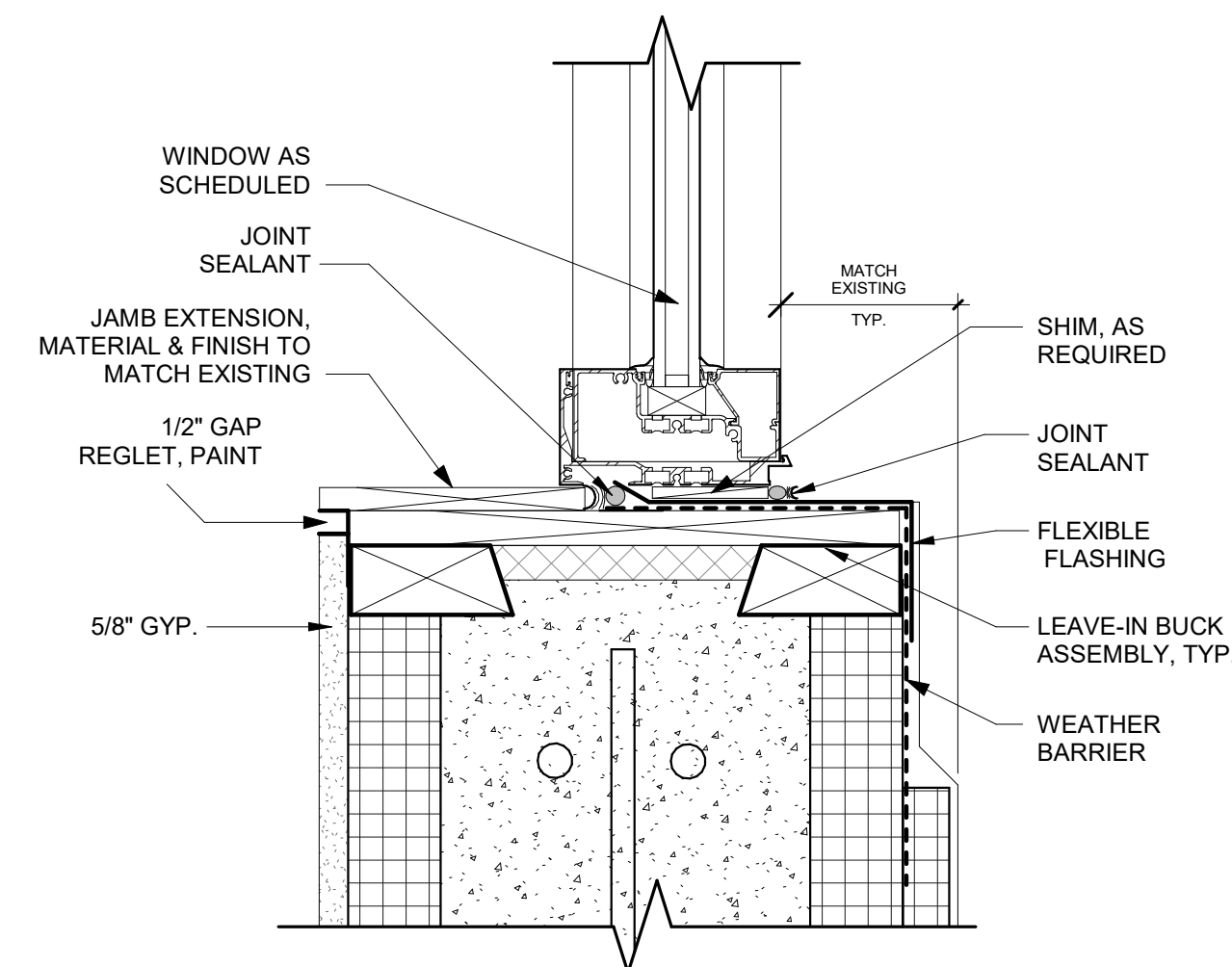
9 INTERIOR WINDOW @ SILL

SCALE: 3" = 1'-0"



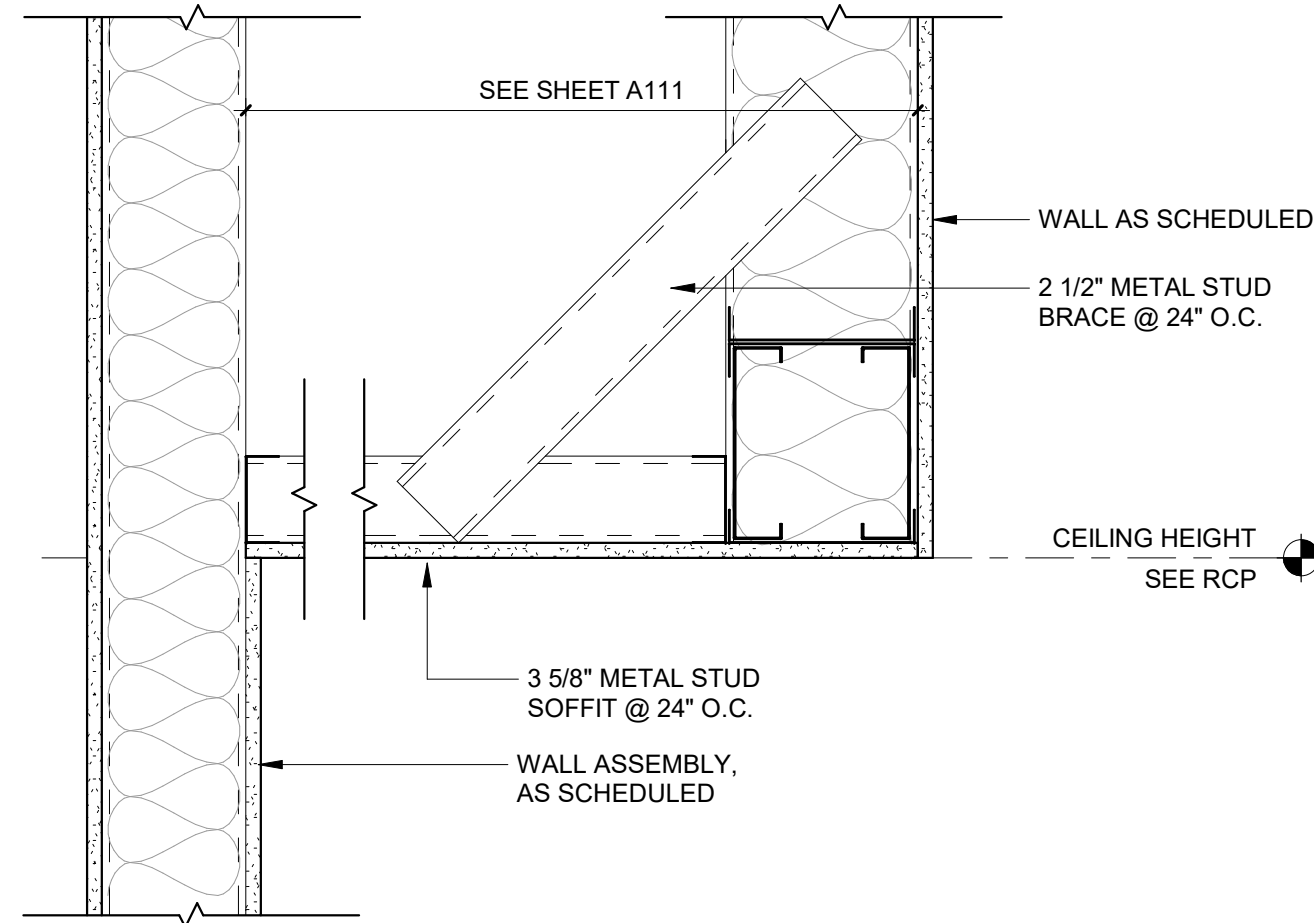
6 INTERIOR WINDOW @ JAMB

SCALE: 3" = 1'-0"

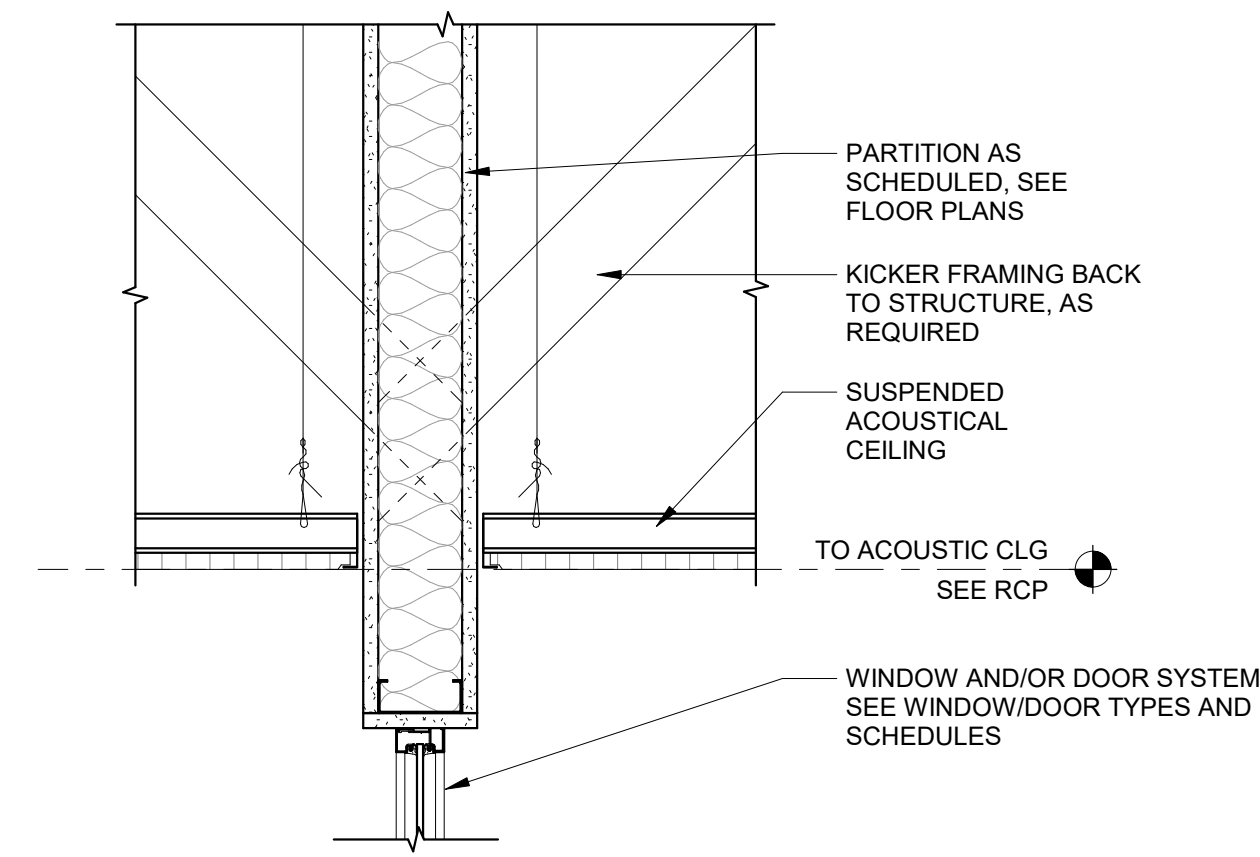


3 ICF WINDOW SILL

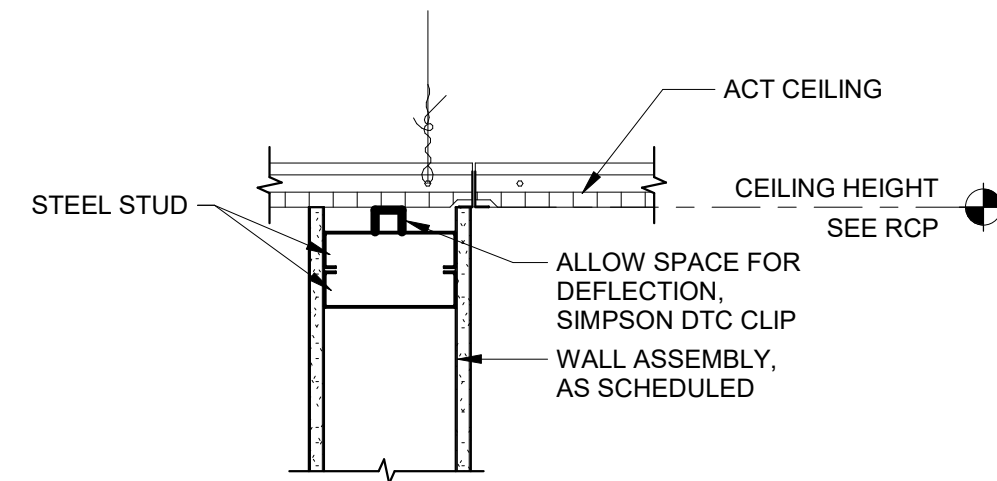
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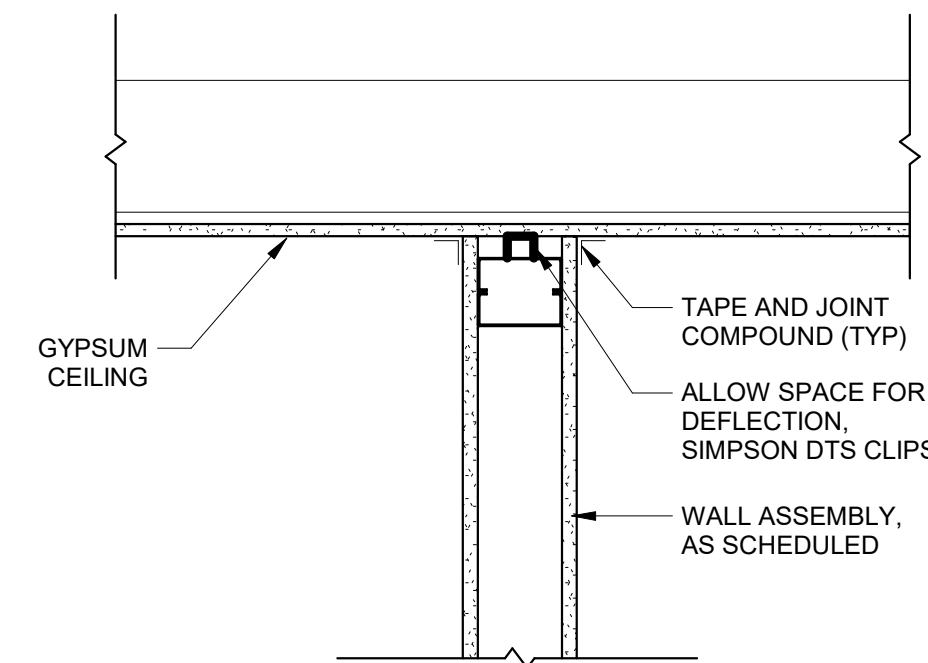
4 SOFFIT DETAIL @ GYP, TYP.
SCALE: 1 1/2" = 1'-0"



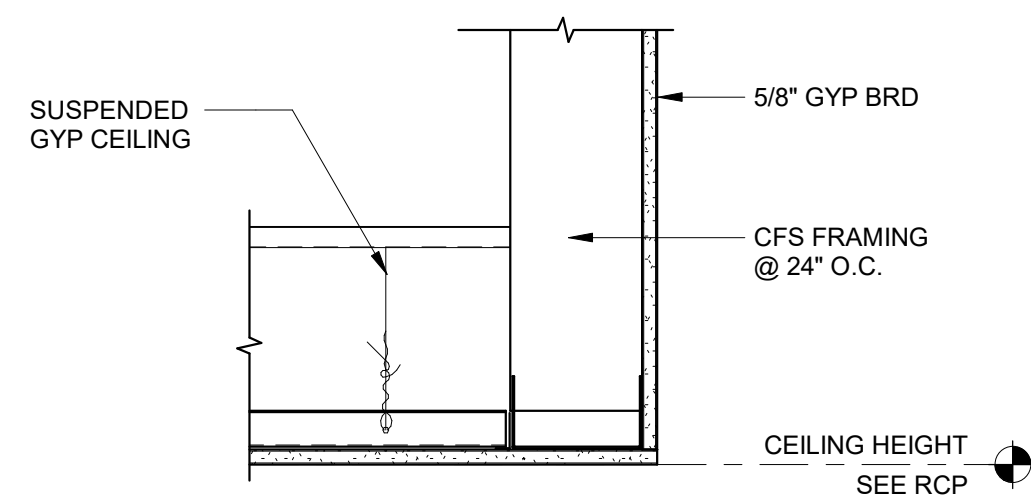
5 INTERIOR PARTITION DETAIL - TYPICAL
SCALE: 1 1/2" = 1'-0"



1 WALL @ ACT CEILING
SCALE: 1 1/2" = 1'-0"



2 WALL @ GYP. CEILING
SCALE: 1 1/2" = 1'-0"



3 CEILING DETAIL @ SUSPENDED GYP CEILING TRANSITION
SCALE: 1 1/2" = 1'-0"

TYPICAL CEILING BRACING

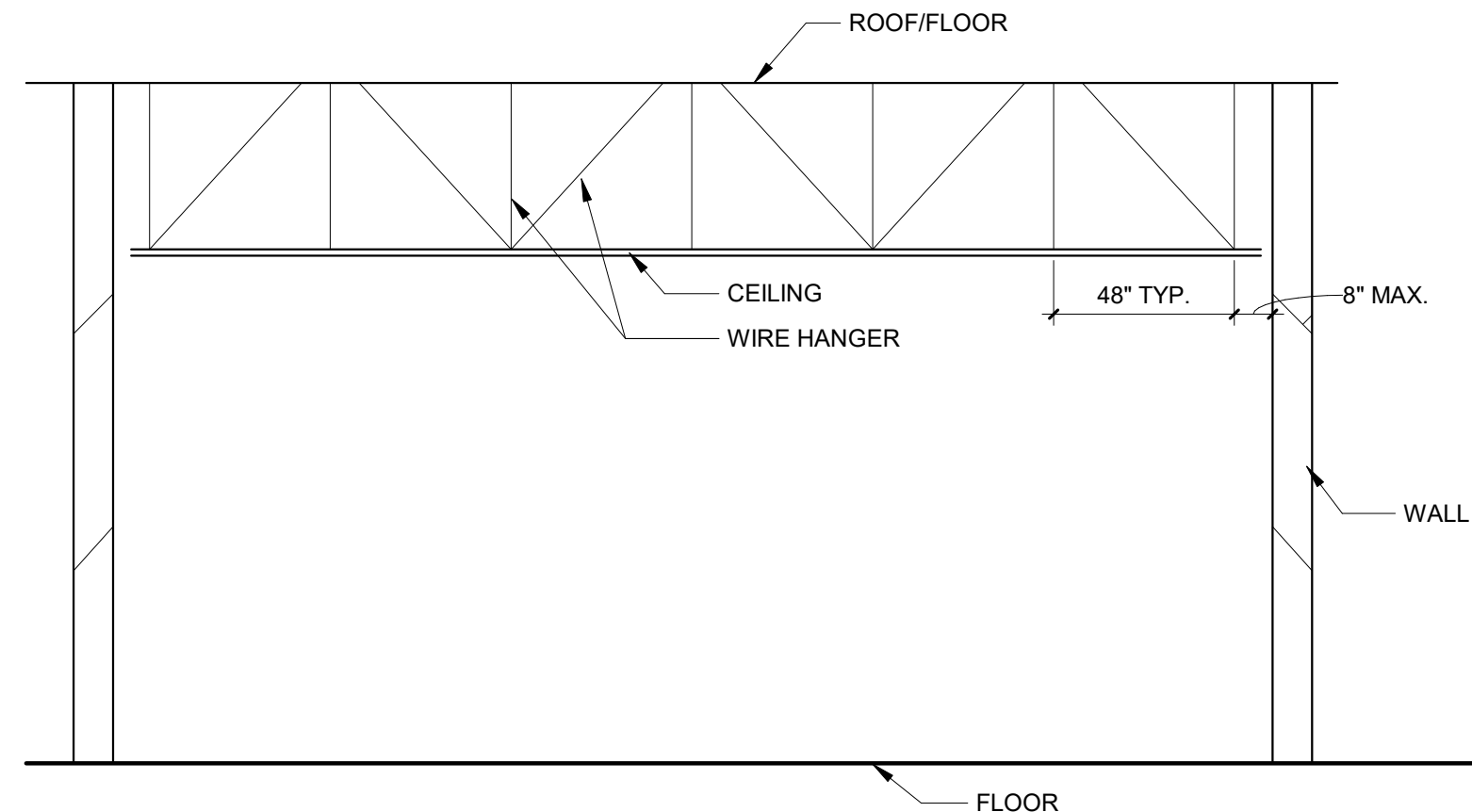
NOTE:

- HANGER WIRES "N" AND "S" ARE IN THE SAME VERTICAL PLANE AS THE MAIN RUNNER. HANGER WIRES "E" AND "W" ARE IN THE VERTICAL PLANES PERPENDICULAR TO THE MAIN RUNNER

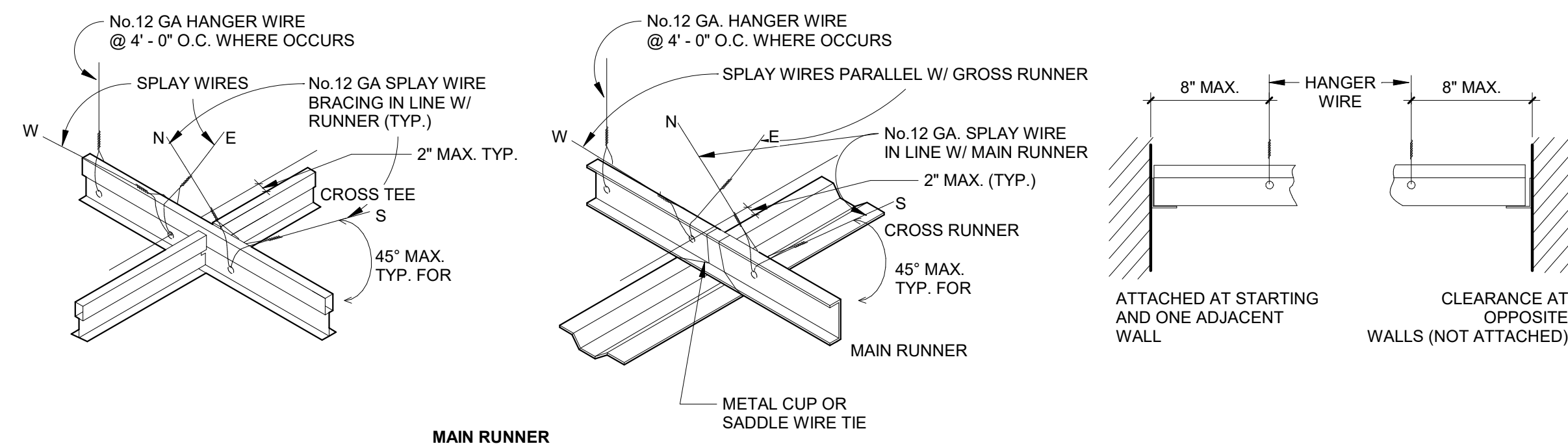
RUNNERS AT WALLS

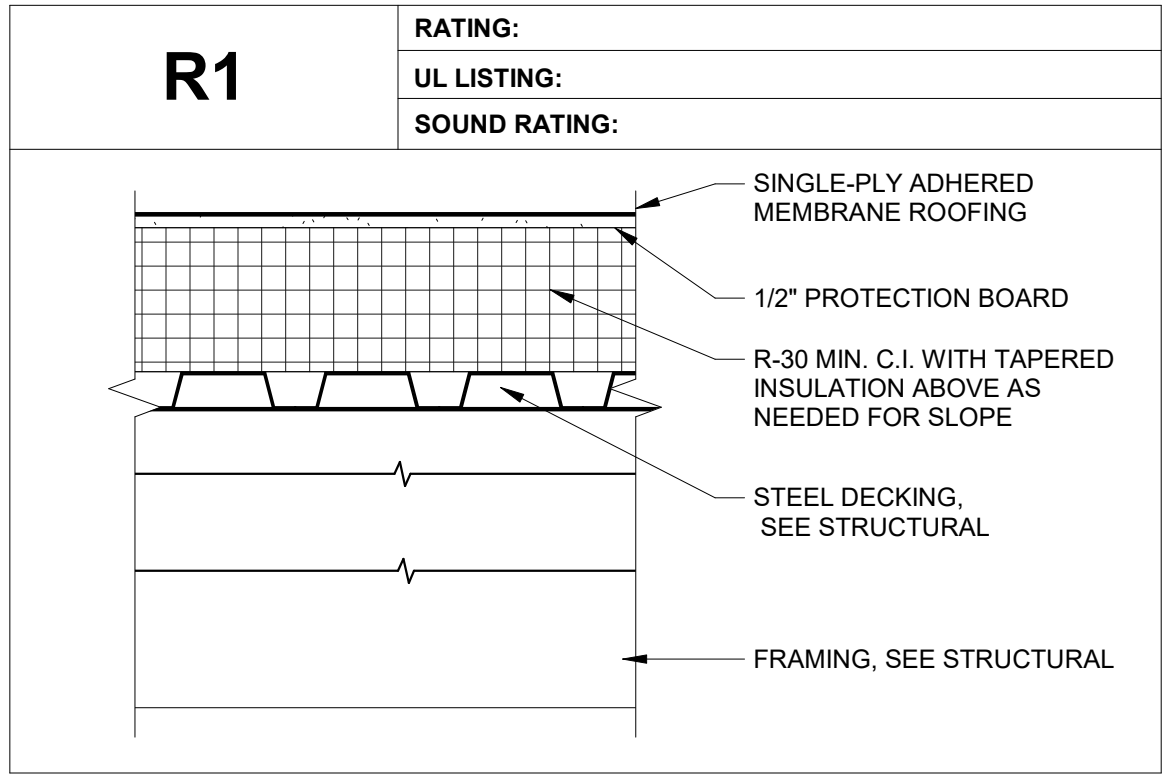
NOTE:

- MAIN RUNNERS AND CROSS RUNNERS SHALL BE ATTACHED TO THE PERIMETER MEMBERS ON TWO ADJACENT WALLS. A CLEARANCE OF 1/4" IN. SHALL BE MAINTAINED BETWEEN THE MAIN RUNNERS AND THE CROSS RUNNERS AND THE PERIMETER MEMBERS ON THE TWO REMAINING WALLS
- LIGHTING FIXTURES, SPRINKLER HEADS, AND AIR TERMINALS (DIFFUSERS AND DUCTED GRILLES) SHALL BE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE ABOVE. SMOKE DETECTORS, SPEAKERS, AND ITEMS WEIGHING LESS THAN 20 LBS. SHALL BE DIRECTLY SECURED TO THE CEILING SUSPENSION SYSTEM, OR INDEPENDENTLY SUPPORTED FROM STRUCTURE ABOVE.
- WIRES SHALL BE ATTACHED TO SUSPENDED MEMBERS WITH A MINIMUM OF THREE TURNS.
- VERTICAL STRUT SHALL BE INSTALLED AT EACH SET OF SPLAY WIRES - 200 - POUND DESIGN FORCE, SEE DETAIL 15 FOR THIS DRAWING.

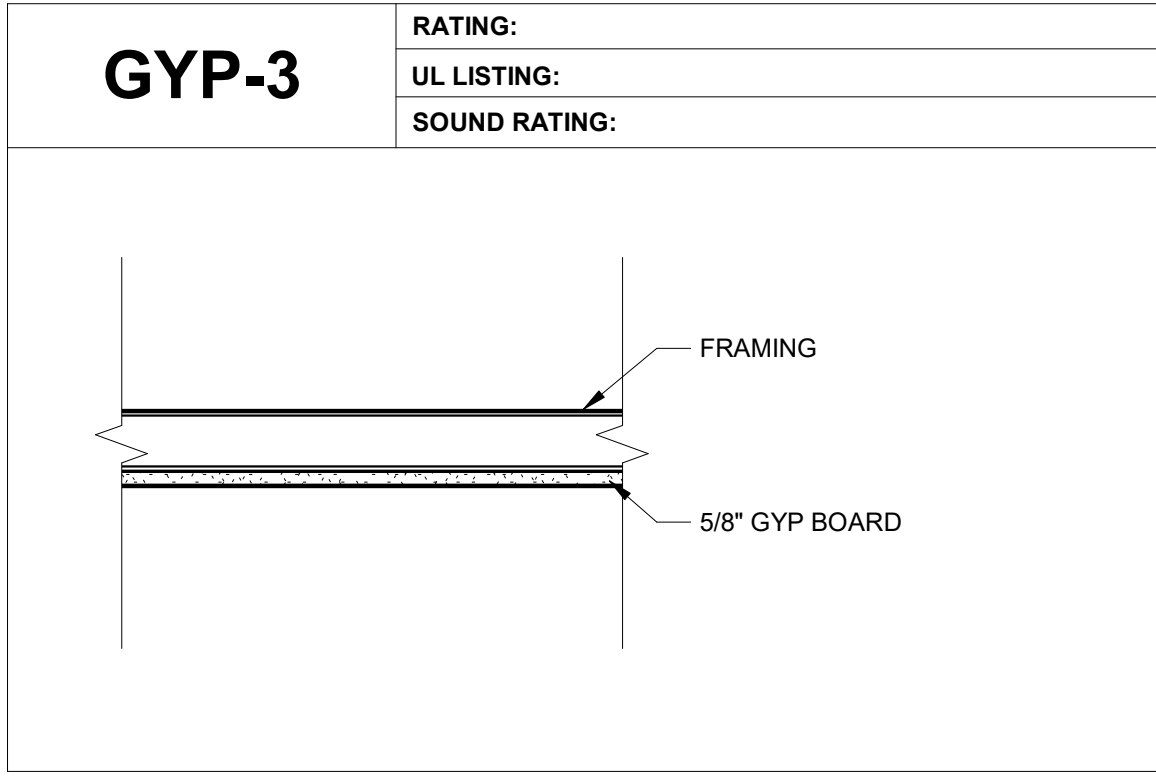


6 SUSPENDED CEILING RESTRAINT
SCALE: 3" = 1'-0"

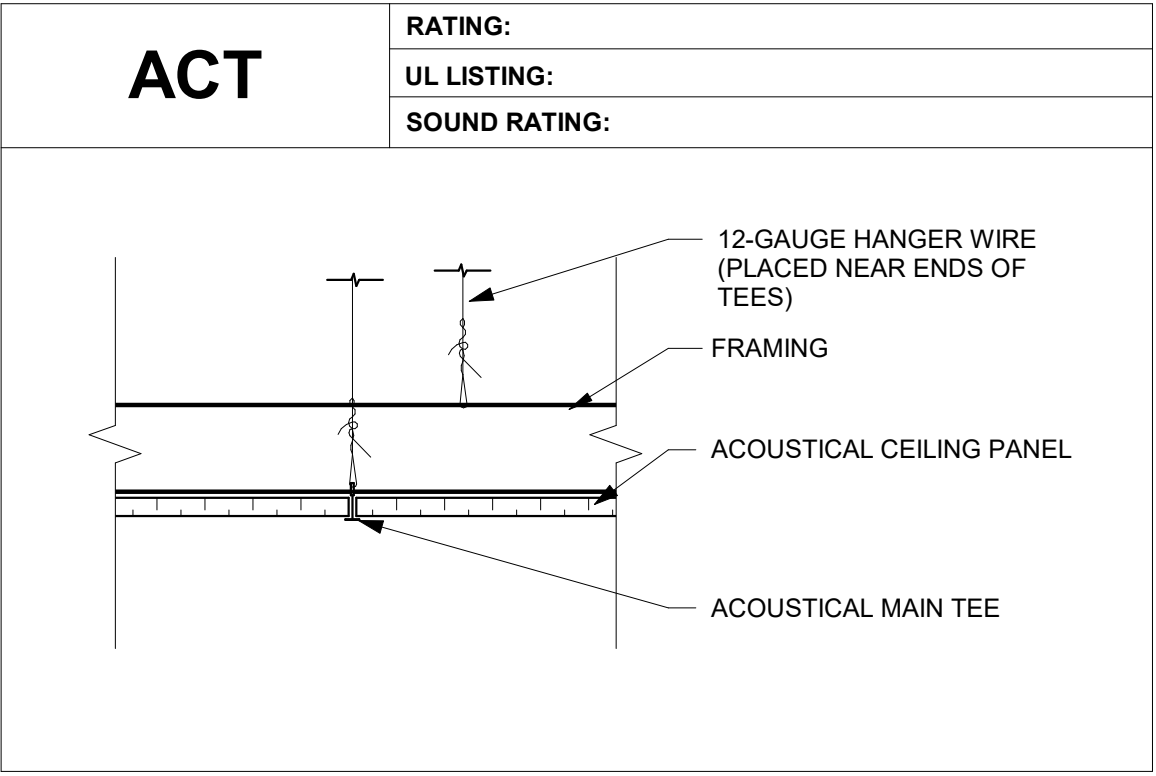




1 ROOF TYPES
SCALE: 1 1/2" = 1'-0"



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

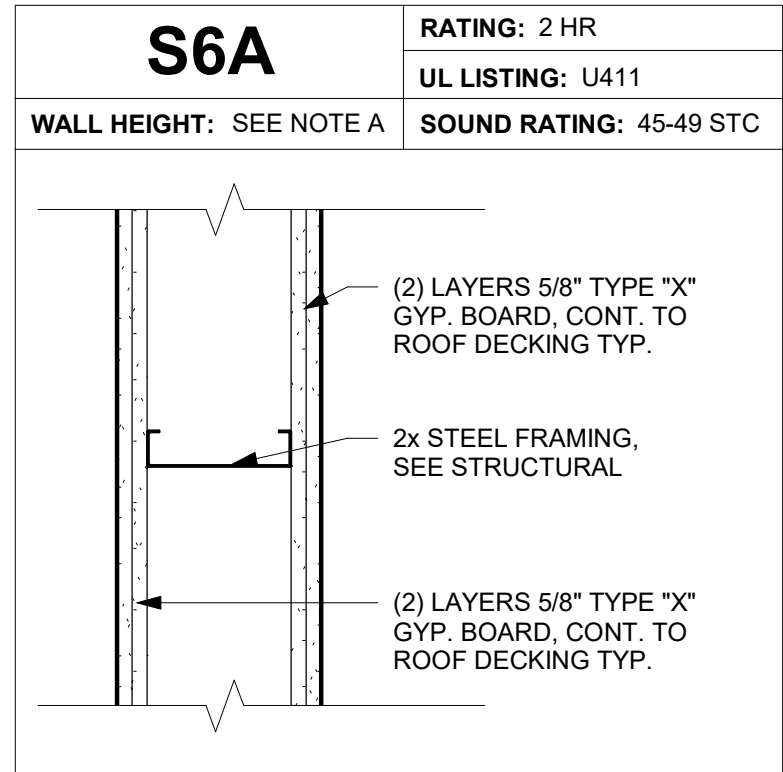


WALL TAG LEGEND

XC#A			
'X' PREFIX INDICATES RATED WALL. NON RATED WALLS WILL OMIT 'X'.		TYPE. EACH WALL WILL START WITH LETTER 'A'. SIMILAR WALL TYPES WILL CONTINUE WITH NEXT AVAILABLE LETTER.	
CORE MATERIAL AS SCHEDULED BELOW.		CORE MATERIAL SIZE AS SCHEDULED BELOW.	
C - CORE MATERIAL		# - CORE MATERIAL SIZE	
C	CONCRETE	2	2 1/2"
M	MASONRY	3	3 5/8"
S	STEEL STUD	4	4"
W	WOOD STUD	6	6"
Z	PRE-ENGINEERED METAL WALL	4	3 1/2"
		5	5 1/2"
		6	7 1/4"
		8	7 5/8"
		12	11 5/8"
		8	8"
		10	10"
		12	12"
		6	6"
		8	8"
		12	12"
			STEEL STUD
			STEEL STUD
			STEEL STUD
			STEEL STUD
			WOOD STUD
			WOOD STUD
			WOOD STUD
			CMU
			CMU
			CONCRETE
			CONCRETE
			CONCRETE
			PRE-ENGINEERED METAL GIRT
			PRE-ENGINEERED METAL GIRT

GENERAL NOTES

- A. ALL WALLS WILL BE TO DECK ABOVE UNLESS OTHERWISE NOTED.
- B. WALL TYPES DO NOT ACCOUNT FOR REQUIRED BACKING OR SUPPORT FOR WALL MOUNTED ELEMENTS. COORDINATE WITH FLOOR PLANS OR INTERIOR ELEVATIONS PRIOR TO COVERING STUDS.
- C. PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SEALED PER MANUFACTURERS REQUIREMENTS. REFER TO ASSOCIATED UL LISTING FOR MORE INFORMATION.
- D. WALL THICKNESS ARE SHOWN NOMINALLY.
- E. AT WALLS WITH SOUND ATTENUATION, SEAL TOP AND BOTTOM OF WALL AT STRUCTURE.
- F. FOR WALLS WITH TILE IN DRY AREAS, INSTALL TYPE 'X' GLASS-MAT GYPSUM BOARD. FOR WALLS WITH TILE IN WET AREAS, (I.E. TUBS AND SHOWERS), INSTALL WATER RESISTANT BACKER BOARDS. AT ALL OTHER TILED BATHROOM AREAS, USE WATER RESISTANT GREEN BOARD.

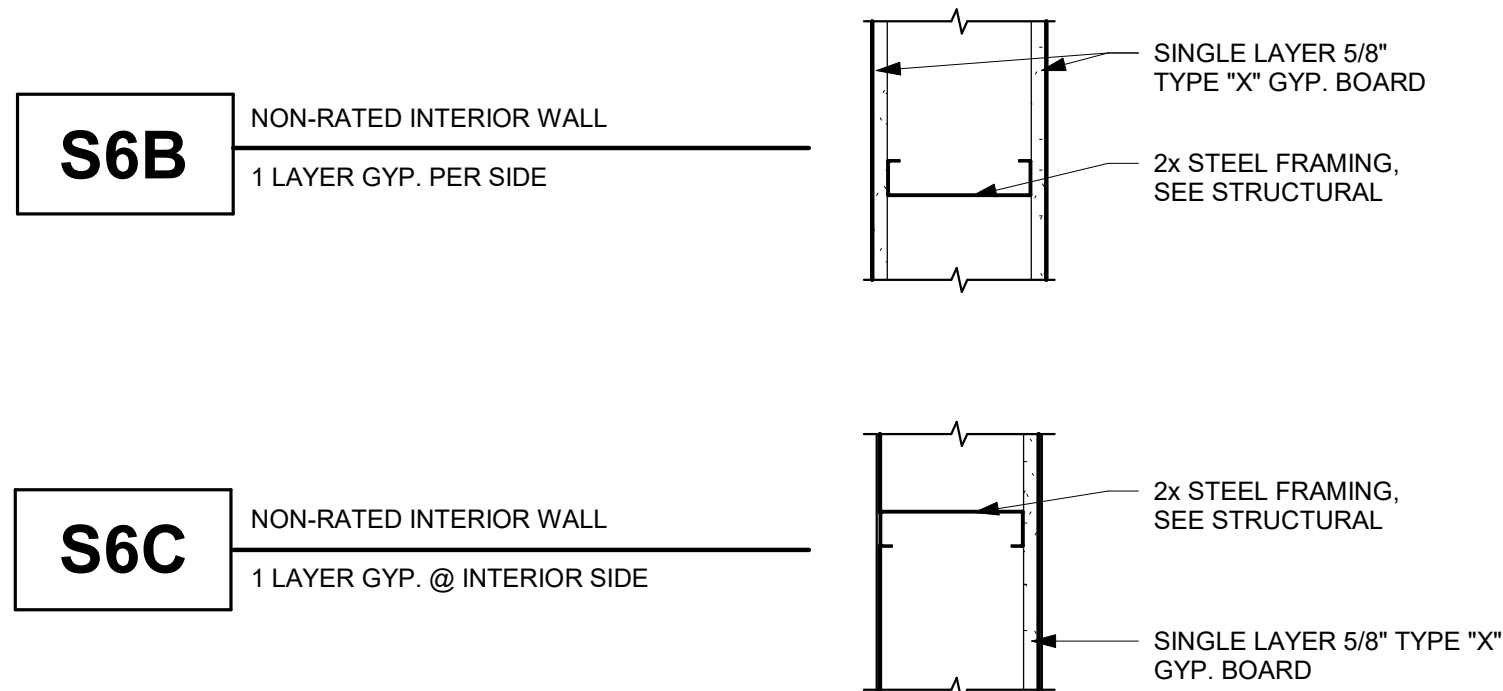


WP 1616: RATED ASSEMBLY INSTALL INFORMATION

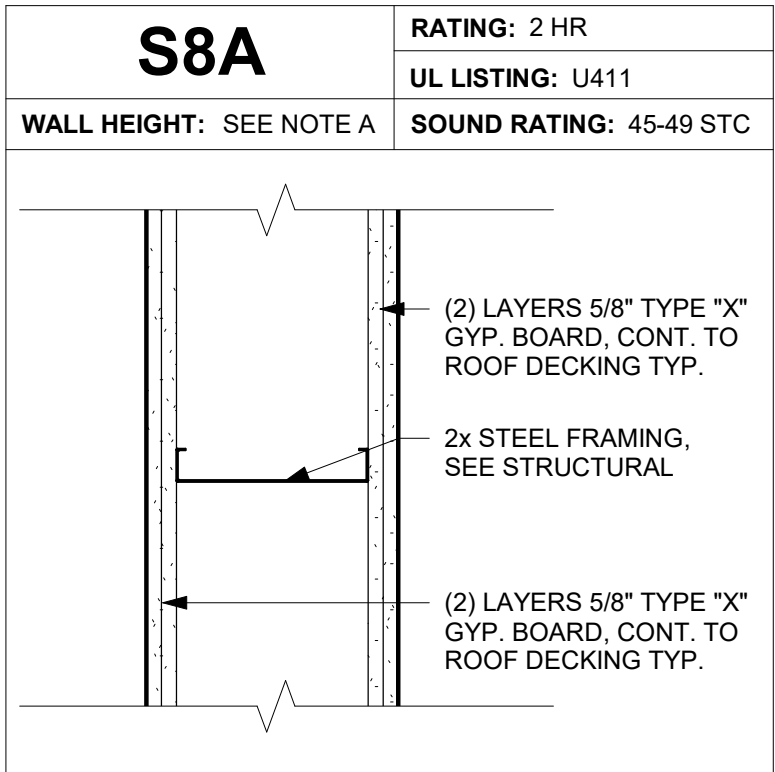
BASE: LAYER 5/8" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED PARALLEL TO EACH SIDE OF 8", 18 MIL (25GA.). STEEL STUDS 24" O.C. WITH 1" TYPE S DRYWALL SCREWS 8" O.C. AT VERTICAL JOINTS AND 12" O.C. AT INTERMEDIATE STUDS.

FACE: LAYER 5/8" PLAIN OR PREDECORATED TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED PARALLEL TO EACH SIDE WITH LAMINATING COMPOUND COMBED OVER ENTIRE SURFACE. METAL BASE AND TOP RETAINER CHANNELS.

JOINTS STAGGERED 24" EACH LAYER AND SIDE. (NLB)



3 WALL TYPES
SCALE: 1 1/2" = 1'-0"

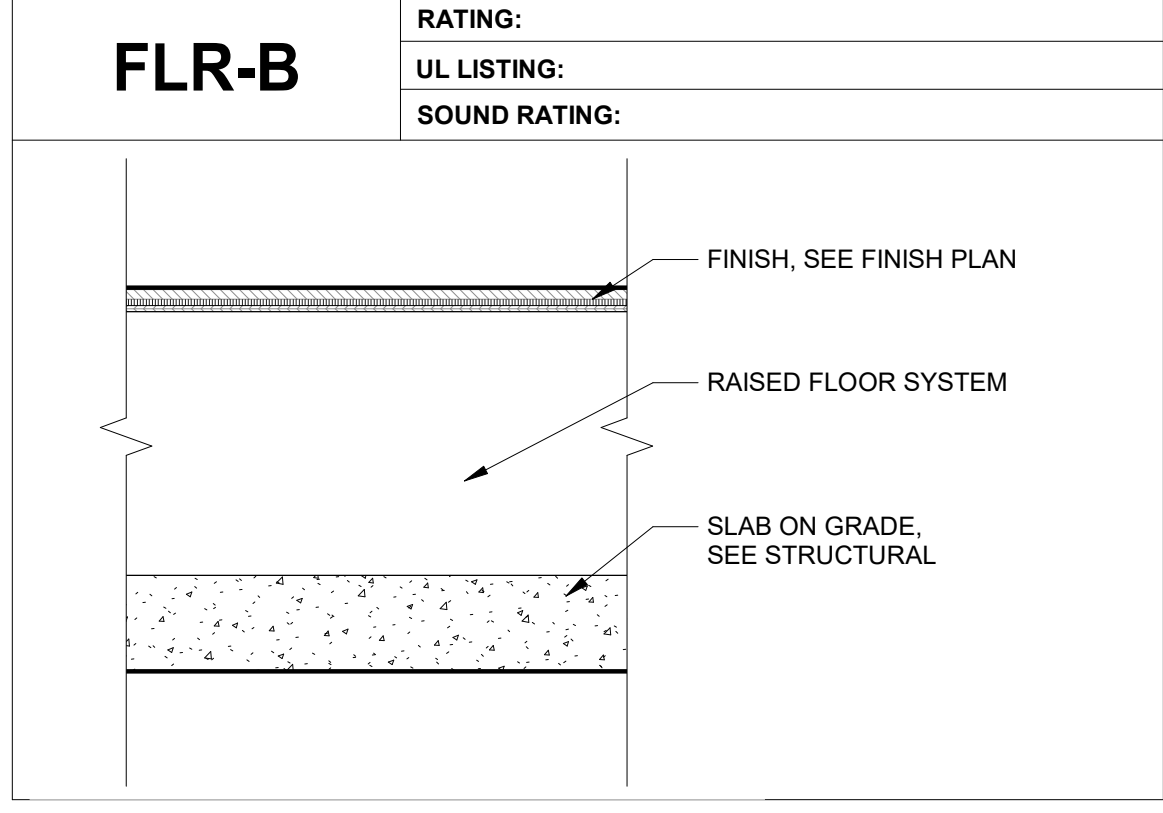
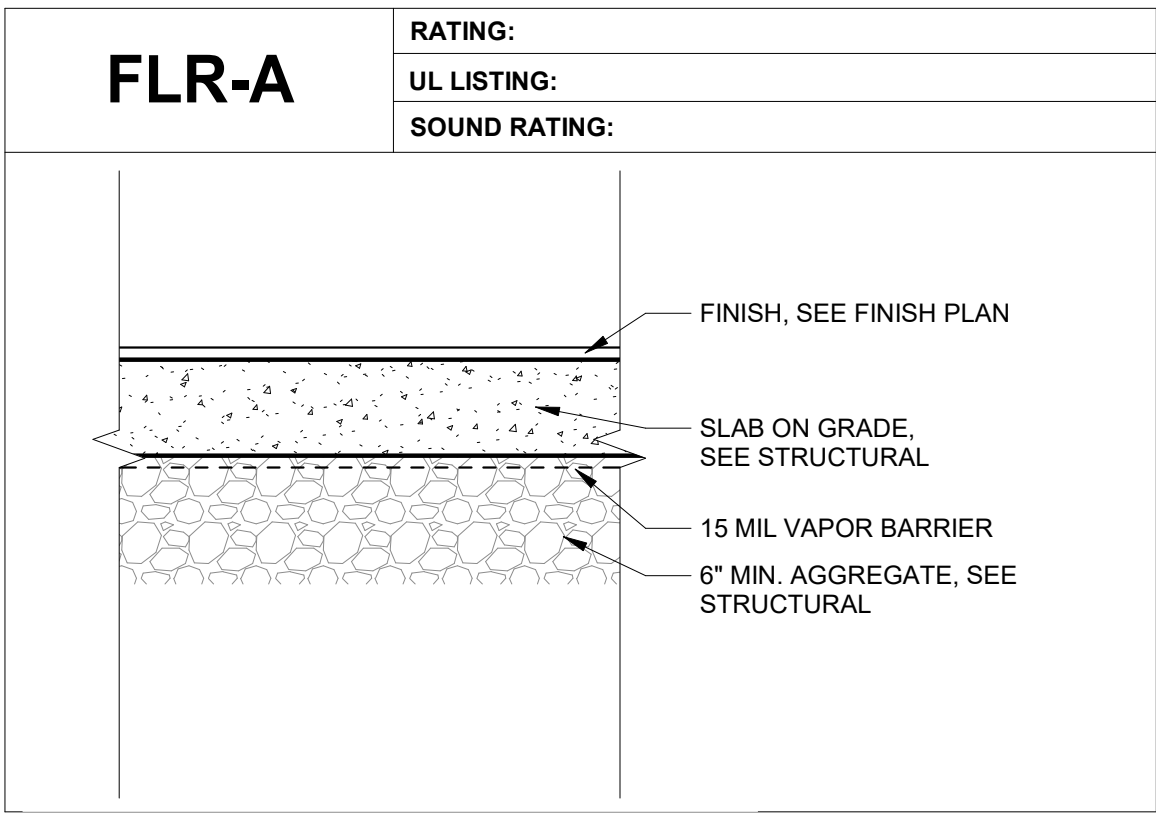
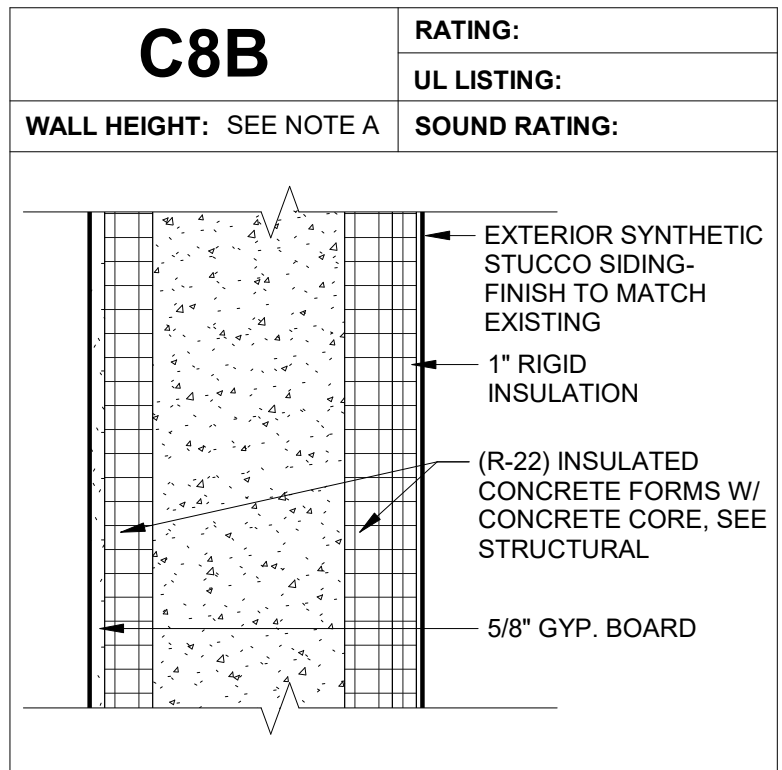
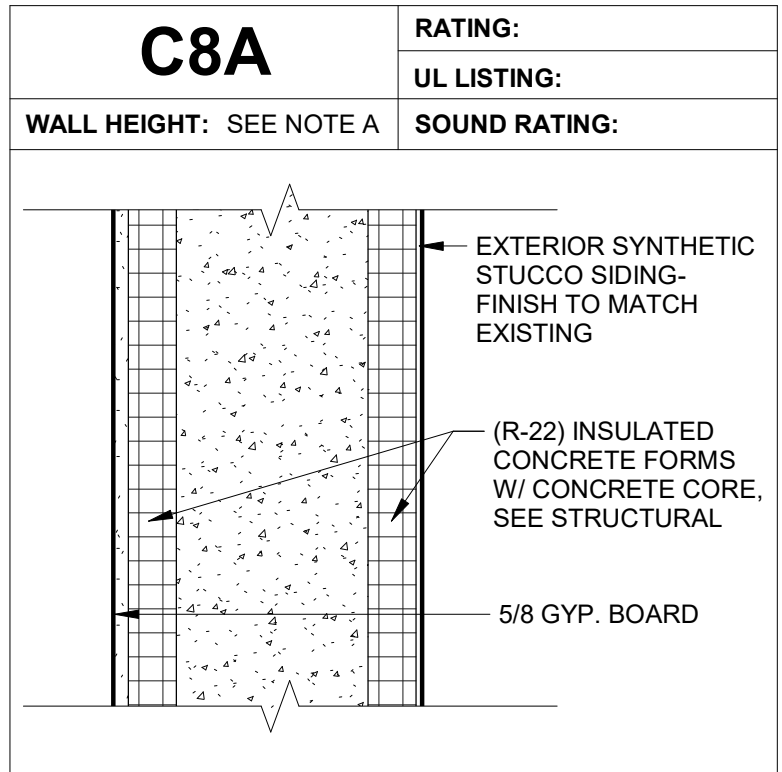
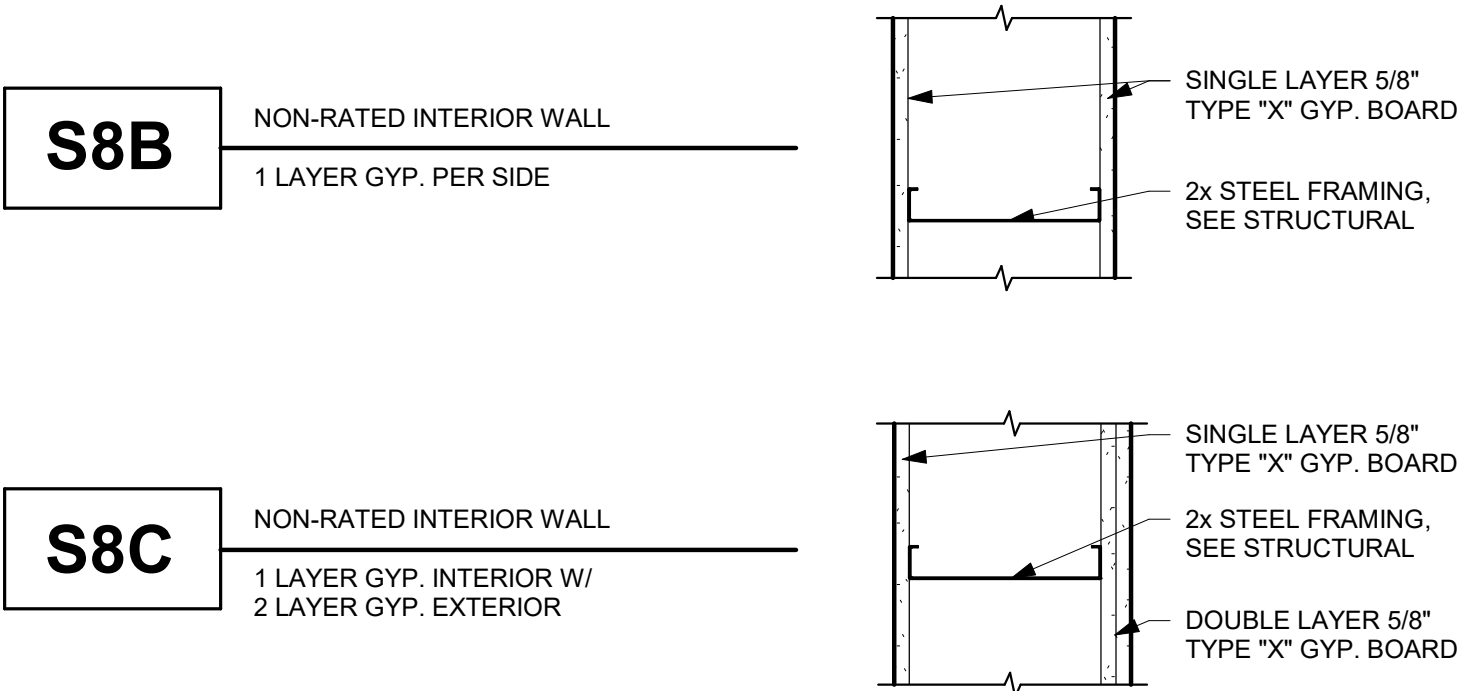


WP 1616: RATED ASSEMBLY INSTALL INFORMATION

BASE: LAYER 5/8" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED PARALLEL TO EACH SIDE OF 8", 18 MIL (25GA.). STEEL STUDS 24" O.C. WITH 1" TYPE S DRYWALL SCREWS 8" O.C. AT VERTICAL JOINTS AND 12" O.C. AT INTERMEDIATE STUDS.

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JOINTS STAGGERED 24" EACH LAYER AND SIDE. (NLB)



4 FLOOR TYPES
SCALE: 1 1/2" = 1'-0"



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PROJECT INFORMATION

BAKER EMERGENCY OPERATIONS CENTER

3410 K STREET BAKER CITY, OR 97814

ISSUES

PHASE		BID DOCUMENTS
DATE		ISSUE DATE: 05/16/2025
JOB NUMBER		COLE PROJECT: 23-105-OF
MARK	DATE	DESCRIPTION

SHEET NAME

ROOF/CEILING/FLOOR ASSEMBLIES

SHEET NUMBER

A601

Window Schedule

TYPE	COUNT	HEIGHT	WIDTH	Sill Height	Head Height	Operation	Materials	Comments
W1	3	2'-0"	4'-0"	5'-2"	7'-2"	FIXED	AL	FRAME TO MATCH EXISTING
W2	2	4'-0"	4'-8"	3'-0"	7'-0"	FIXED	AL	FRAME TO MATCH EXISTING
W3	1	4'-0"	5'-0"	3'-0"	7'-0"	SLIDING	AL	FRAME TO MATCH EXISTING
W4	1	4'-0"	7'-1"	3'-0"	7'-0"	FIXED	AL	FRAME TO MATCH EXISTING
W6	2	4'-0"	2'-0"			SKYLIGHT	AL	

DOOR SCHEDULE

IDENTIFICATION			DOOR				GLASS TYPE	FRAME			FIRE RATING	HARDWARE SET NO.	REMARKS
DOOR NO.	FROM ROOM	TO ROOM	DIMENSIONS		IDENTITY			IDENTITY					
			W	HT	TYPE	MATL	FINISH	TYPE	MATL	FINISH			
100A	SECURE VESTIBULE		6'-0"	7'-0"	FG 2	HM	PT-3	GL-4, T	HM	PT-3	0	1	
100B	(E) TRAINING	SECURE VESTIBULE	3'-0"	7'-0"	F	HM	PT-3	-	HM	PT-3	0	7	
100C	HALLWAY	SECURE VESTIBULE	3'-0"	7'-0"	FG, W5	HM	PT-3	GL-4, T	HM	PT-3	0	3	
101	CONFERENCE	HALLWAY	3'-0"	7'-0"	FG, W5	HM	PT-3	GL-4, T	HM	PT-3	0	3	
102	JANITOR	HALLWAY	3'-0"	7'-0"	F	HM	PT-3	-	HM	PT-3	0	4	
103	RR 2	HALLWAY	3'-0"	7'-0"	F	HM	PT-3	-	HM	PT-3	0	5	
104	RR 1	HALLWAY	3'-0"	7'-0"	F	HM	PT-3	-	HM	PT-3	0	5	
105	CONFERENCE		3'-0"	7'-0"	F	HM	PT-3	-	HM	PT-3	0	2	
106A	HALLWAY	MAIN OPERATIONS	3'-0"	7'-0"	F	HM	PT-3	-	HM	PT-3	0	6	
106B	MAIN OPERATIONS		3'-0"	7'-0"	F	HM	PT-3	-	HM	PT-3	0	2	
106C	MAIN OPERATIONS		3'-6"	7'-0"	FG	HM	PT-3	GL-4, T	HM	PT-3	0	2	
107	HAM RADIO/COMM	MAIN OPERATIONS	3'-0"	7'-0"	F	HM	PT-3	-	HM	PT-3	0	8	
108	STORAGE	MAIN OPERATIONS	6'-0"	7'-0"	F 2	HM	PT-3	-	HM	PT-3	0	9	
109	IDF	MAIN OPERATIONS	3'-0"	7'-0"	F	HM	PT-3	-	HM	PT-3	0	4	
110	MAIN OPERATIONS	UTILITIES	3'-0"	7'-0"	F	HM	PT-3	-	HM	PT-3	0	4	
111A	911 CALL CENTER	(E) TRAINING	3'-0"	7'-0"	FG	HM	PT-3	GL-4, T	HM	PT-3	0	7	
111B	MAIN OPERATIONS	911 CALL CENTER	3'-0"	7'-0"	F	HM	PT-3	-	HM	PT-3	0	6	
112	(E) TRAINING	DISPATCH SUPERVISOR	3'-0"	7'-0"	F	HM	PT-3	-	HM	PT-3	0	8	

GENERAL NOTES

- A. REFER TO FINISH SCHEDULE FOR ABBREVIATIONS.
- B. INSTALL EXTERIOR WINDOWS, DOORS AND SKYLIGHTS PER GUIDELINES IN ASTM E 2112-01
- C. ALL DOORS ARE TO BE PROVIDED WITH FLOOR MOUNTED DOOR STOPS, WHERE A FLOOR MOUNTED STOP IS NOT APPLICABLE PROVIDE A WALL MOUNTED STOP WITH APPLICABLE BACKING.
- D. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT

DOOR AND WINDOW SCHEDULE ABBREVIATIONS:

ALSF	ALUMINUM STOREFRONT
ALUM	ALUMINUM
EXT	EXTERIOR
FF	FACTORY FINISH
GL	GLASS
HM	HOLLOW METAL
INS	INSULATED
KDS	KNOCK-DOWN STEEL
KDA	KNOCK-DOWN ALUMINUM
PT	PAINT
STL	STEEL
T	TEMPERED GLASS
WD	WOOD
AL-WD	ALUMINUM CLAD WOOD

* RE: SPECIFICATIONS FOR GLAZING AND ENERGY REQUIREMENTS

GLAZING TYPES:

GL-1	1/4" SINGLE PANE, CLEAR GLASS
GL-2	1/4" TINTED GLASS
GL-3	1" INSULATED, CLEAR GLASS
GL-4	1" INSULATED, TINTED GLASS
GL-5	FIRE-RATED GLASS

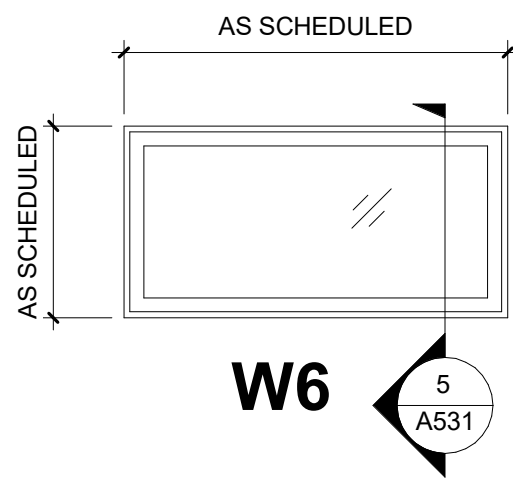
* ALL EXTERIOR GLAZING TO BE GL-4 AND ALL INTERIOR GLAZING TO BE GL-1 UNLESS NOTED OTHERWISE.

WINDOW LEGEND

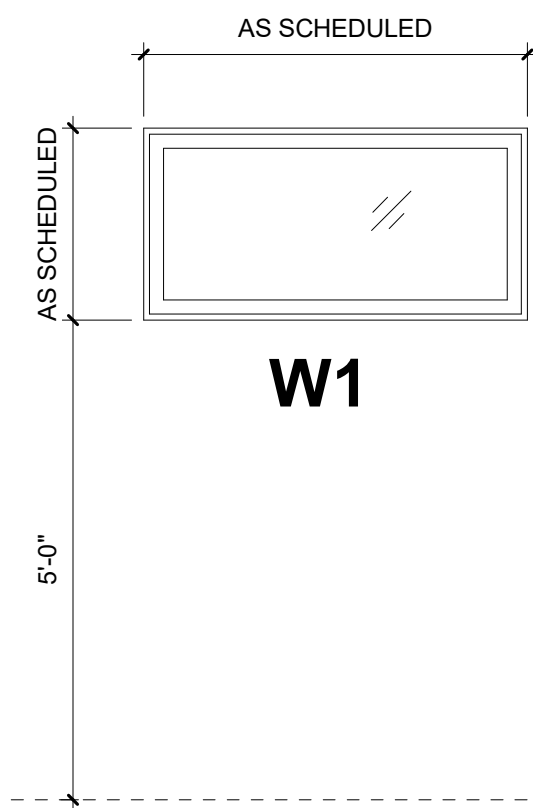


WINDOW TYPES

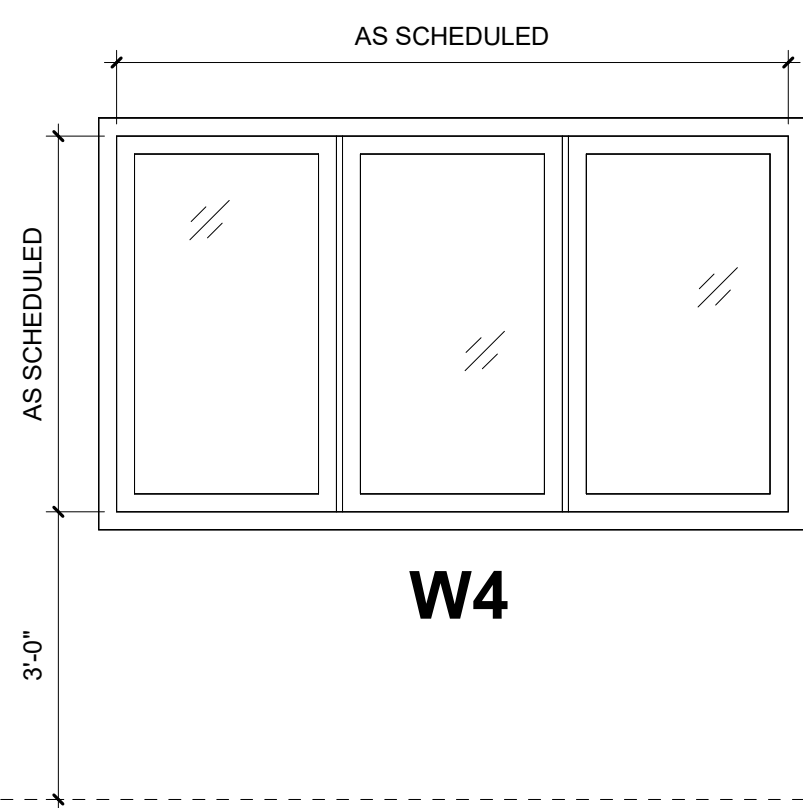
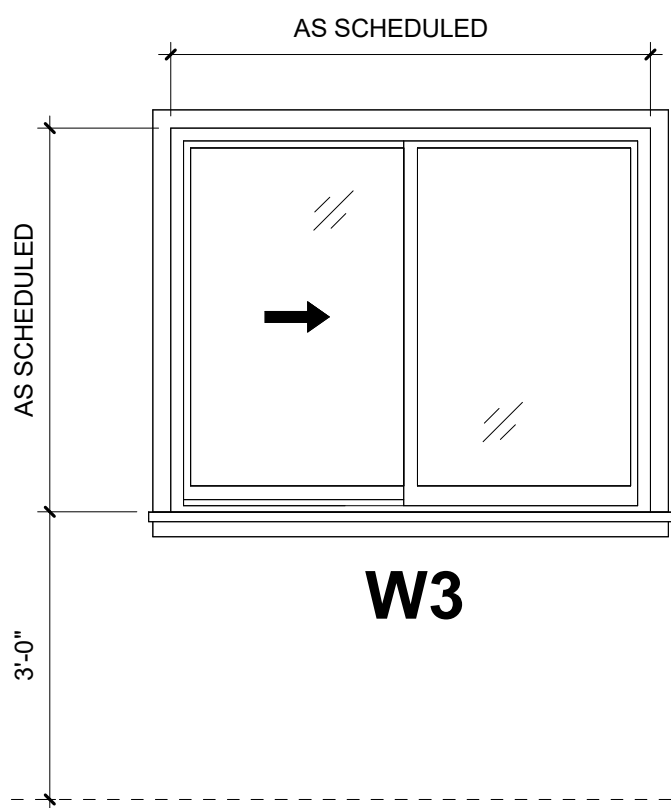
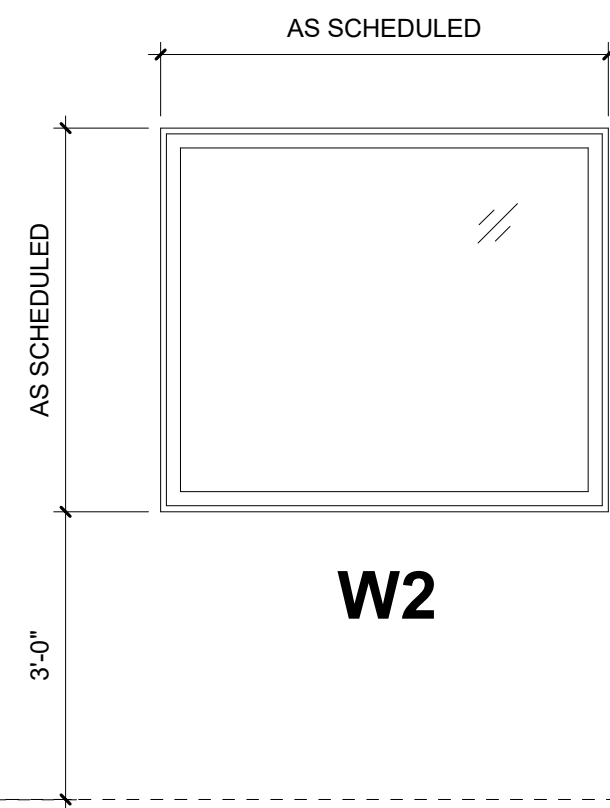
SKYLIGHT



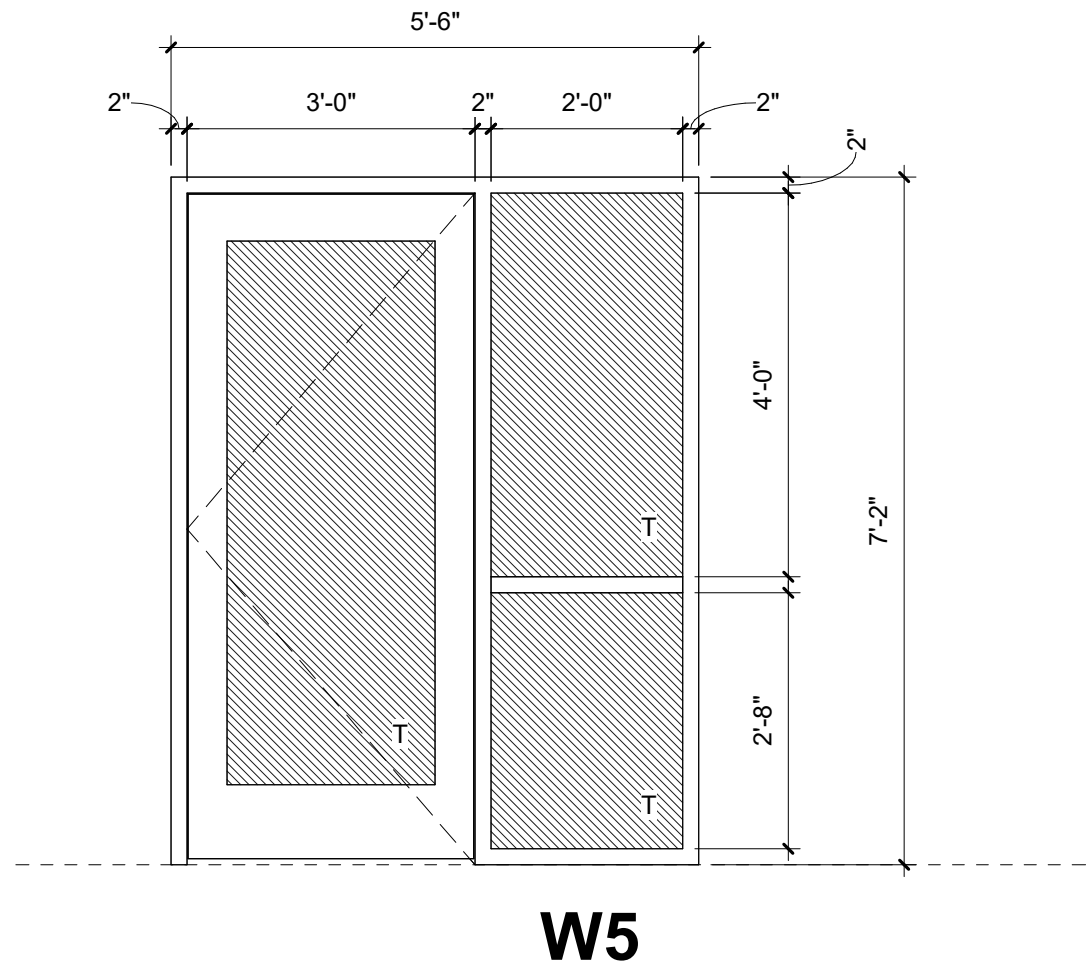
EXTERIOR



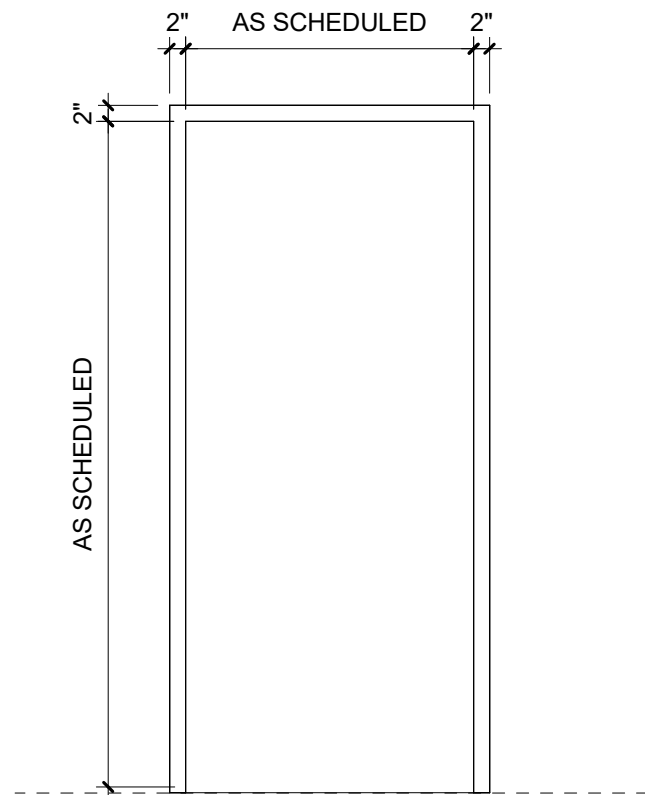
INTERIOR



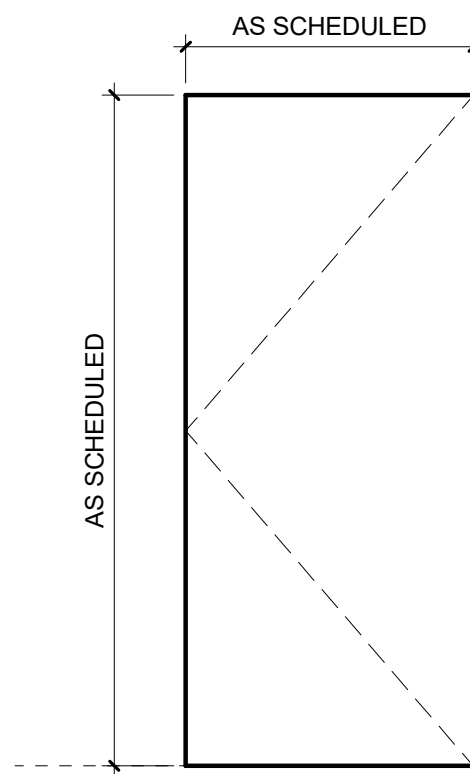
STOREFRONT



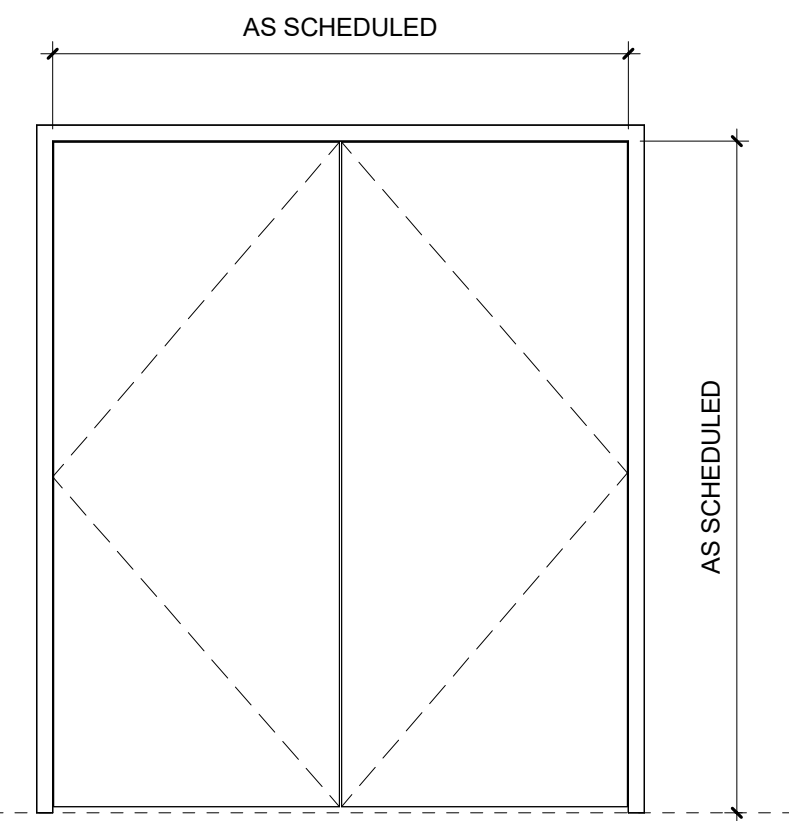
DOOR TYPES



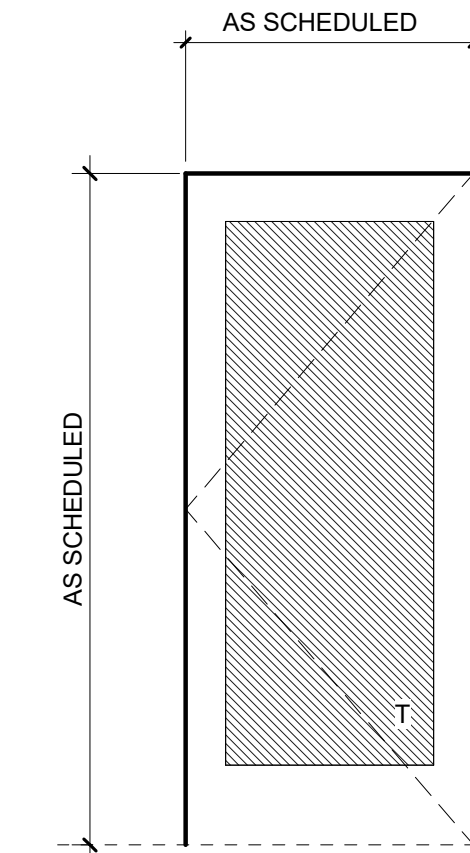
FRAME



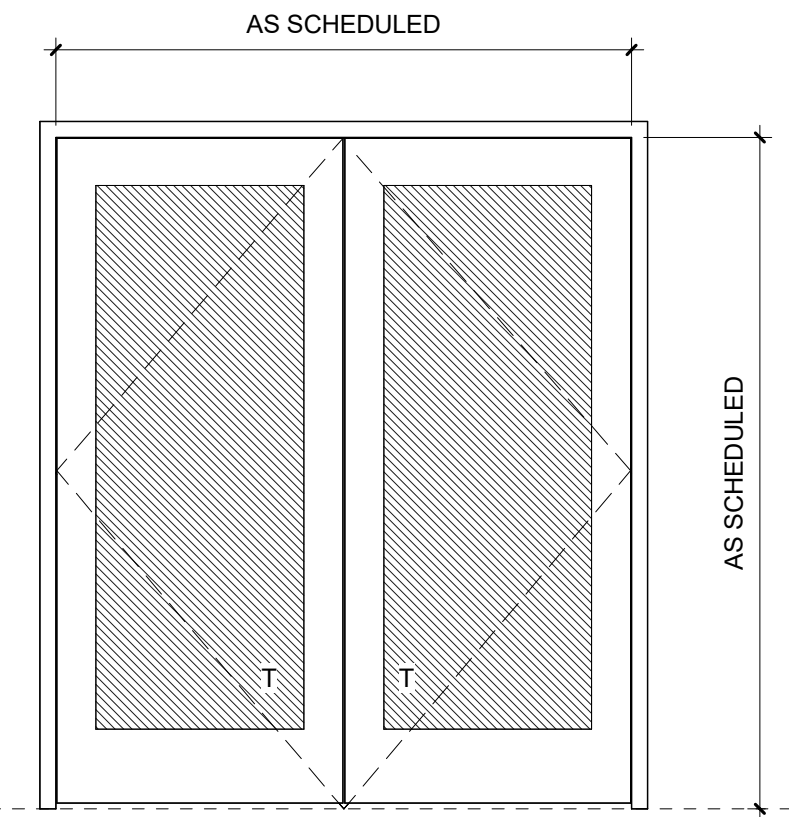
F



F2



FG



FG 2



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PROJECT INFORMATION

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3410 K STREET BAKER CITY, OR 97814

ISSUES

PHASE		BID DOCUMENT	
DATE		ISSUE DATE: 05/16/202	
JOB NUMBER		COLE PROJECT: 23-105-O	
MARK	DATE	DESCRIPTION	

SHEET NAME

WINDOW/DOOR TYPES AND SCHEDULES

SHEET NUMBER

A611

FINISH BASIS OF DESIGN

ACCESSORIES

WINDOW COVERINGS (ALL WINDOWS)
MANUFACTURER: MECHOSYSTEMS
SHADE SYSTEM: ELECTROSHADE MOTORIZED
SHADE SYSTEM (IQ2 AC)
PATTERN: SOLAR SHADE CLOTH COLLECTIONS
SERIES: EUROTWILL 6450
FABRIC: 6456 SILVER BIRCH

BASE & TRIM

TR-1 TRIM 1
MANUFACTURER:
STYLE:
COLOR:

WB-1 WALL BASE 1
MANUFACTURER: TARKETT
STYLE: JOHNSONITE TRADITIONAL VINYL
COLOR: MOON ROCK 29
PROFILE: 6" 1/8 WITH TOE

CEILING

GB-1 GYPSUM BOARD 1
TO BE PAINTED (PT-1)

ACT-1 ACOUSTICAL CEILING TILE 1
MANUFACTURER: ARMSTRONG WORLD INDUSTRIES
STYLE: LYRA
SIZE: 24" X 48"
COLOR: WHITE
GRID: CONCEALED

FLOORING

CPTT-1 CARPET TILE 1 (GENERAL CARPET)
MANUFACTURER: TARKETT
COLLECTION: SKY ATLAS 11661
COLOR: PIGMENTED SEPIA 65410
SIZE: 36" X 18"
SKU: 609083010
BACKING: FLEX-AIRE CUSHION RS

RF-1

RESILIENT FLOORING 1
MANUFACTURER: TARKETT
STYLE: LVT
COLLECTION: ID LATITUDE STONE & CONCRETE
COLOR: 7549 WEATHERED GLAZE
SIZE: 18" X 18"
SKU: 251176044

RF-2

RESILIENT FLOORING 2
MANUFACTURER: ARMSTRONG
STYLE: STATIC CONTROL FLOORING
COLLECTION: EXCELON SDT
COLOR: MARBLE BEIGE 51950
SIZE: 12" X 12"

RT-1

RUBBER TILE 1
MANUFACTURER: ROPPE
STYLE: RENEW FIESTA
COLOR: R334 LEONADO
PROFILE: TEXTURED AND HAMMERED
SIZE: 24" X 24"

WALLS

PT-1 PAINT 1 (GENERAL PAINT)
MANUFACTURER: SHERWIN WILLIAMS
COLOR: MODERN GRAY
FINISH: MATTE

PT-2

PAINT 2 (ACCENT PAINT)
MANUFACTURER: SHERWIN WILLIAMS
COLOR: MEGA GREIGE
FINISH: MATTE

WP-1

WALL PANEL
MANUFACTURER: ALTRO TEGULIS
COLOR: URBAN MINERAL
FINISH: 4"x10" HORIZONTAL RUNNING BOND

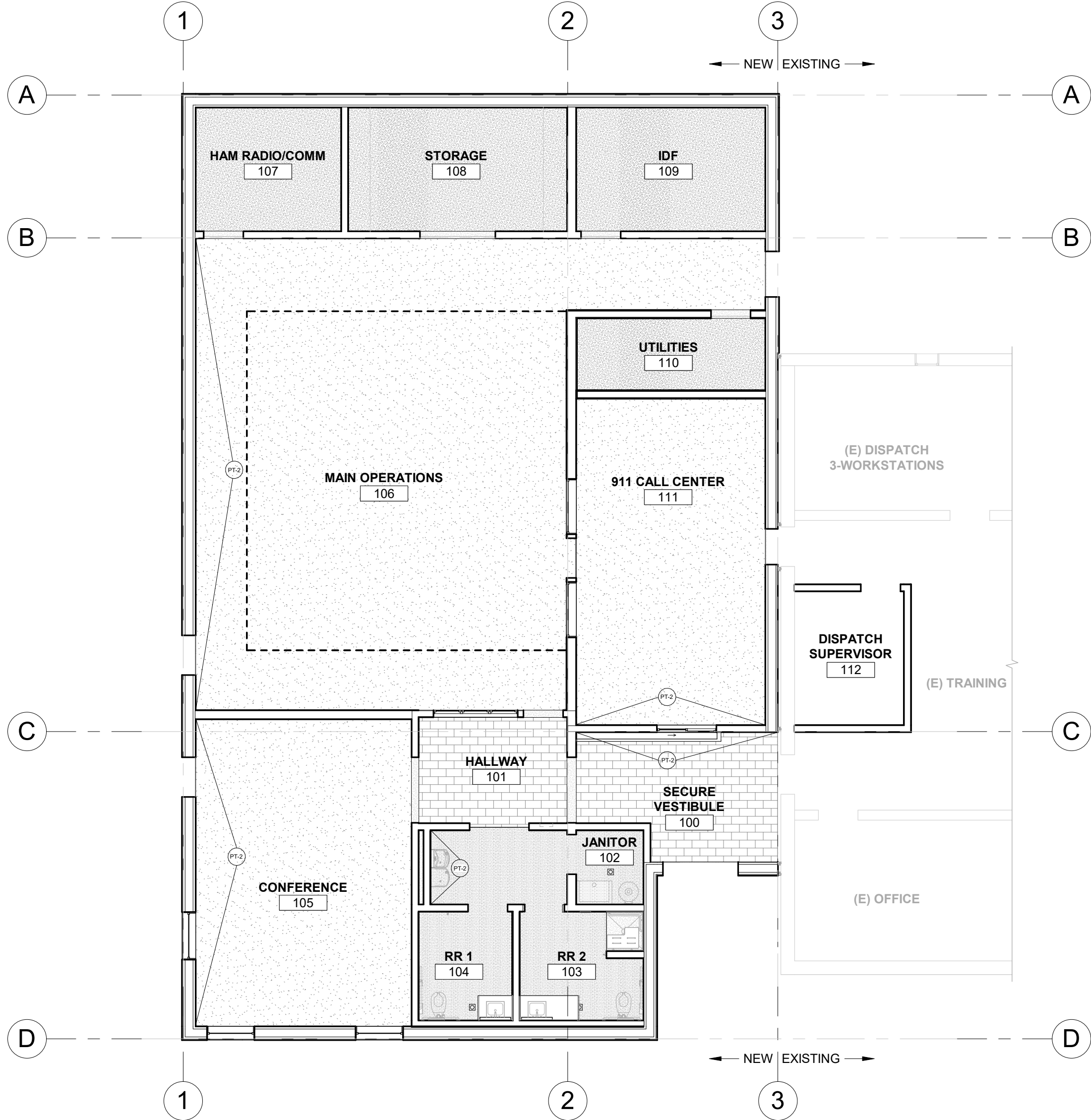
ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR		WALLS				CEILING FINISH	CABINETS & COUNTERTOPS
		FLOOR FINISH	BASE FINISH	FINISH - NORTH	FINISH - EAST	FINISH - SOUTH	FINISH - WEST		
100	SECURE VESTIBULE	RF-1	WB-1	P-2	P-1	STOREFRONT	P-1	GYP-1	
101	HALLWAY	RF-1	WB-1	P-1	P-1	P-1	P-2	ACT-1	
102	JANITOR	RT-1	WB-1	P-1	P-1	P-1	P-1	GYP-1	
103	RR 2	RT-1	WB-1	P-1	P-1	P-1	P-1	GYP-1	
104	RR 1	RT-1	WB-1	P-1	P-1	P-1	P-1	GYP-1	
105	CONFERENCE	CPTT-1	WB-1	P-1	P-1	P-1	P-2	ACT-1	
106	MAIN OPERATIONS	CPTT-1	WB-1	P-1	P-1	P-1	P-2	ACT-1	
107	HAM RADIO/COMM	RF-2	WB-1	P-1	P-1	P-1	P-1	GYP-1	
108	STORAGE	RF-2	WB-1	P-1	P-1	P-1	P-1	GYP-1	
109	IDF	RF-2	WB-1	P-1	P-1	P-1	P-1	GYP-1	
110	UTILITIES	RF-2	WB-1	P-1	P-1	P-1	P-1	GYP-1	
111	911 CALL CENTER	CPTT-1	WB-1	P-1	P-1	P-2	P-1	ACT-1	
112	DISPATCH SUPERVISOR	CPTT-1	WB-1	P-1	P-1	P-1	P-1	GYP-1	

GENERAL NOTES

- A. ALL TILE TO BE INSTALLED PER RECOMMENDATIONS ESTABLISHED BY THE TILE COUNCIL OF NORTH AMERICA.
- B. CARPET DIRECTION TO BE CONSISTENT. UNO RUN SEAMS PERPENDICULAR TO NATURAL LIGHT AND MINIMIZE SEAMS. SEAL ALL SEAMS. SUBMIT SHOP DRAWINGS INDICATING SEAM DIAGRAM AND A CARPET PATTERN DIRECTION FOR APPROVAL BY ARCHITECT.
- C. PREPARE FLOORING SUBSTRATE PER MANUFACTURER RECOMMENDATIONS. INCLUDE WITH BASE BID, AS A SEPARATE LINE ITEM, A STANDARD SCOPE OF WORK FOR SUBFLOOR PREPARATION. AT EXISTING FLOORS INCLUDE A UNIT PRICE PER SQUARE FOOT TO REPAIR AREAS THAT REQUIRE MORE SUBFLOOR PREPARATION THAN IS INCLUDED IN BASE BID. THE REPAIR INCLUDES, BUT NOT LIMITED TO, FLOATING THE FLOOR, INSTALLING PLYWOOD, HARDBOARD, PARTICLEBOARD, FIBER REINFORCED GYPSUM, FIBER CEMENT BOARD, CEMENTITIOUS BACKERBOARD, AND OTHER SUITABLE UNDERLAYMENT MATERIALS.
- D. PAINT THE FOLLOWING TO MATCH WALL ON WHICH THEY OCCUR: MISCELLANEOUS METALS, FIRE EXTINGUISHER CABINETS, CABINET UNIT HEATERS, ELECTRICAL PANELS, ACCESS PANELS LOCATED IN GYP BOARD CEILINGS.
- E. PROVIDE OWNER'S STOCK IN THE FLOWING QUANTITIES:
- CERAMIC TILE/PORCELAIN TILE: 1 CARTON OF EACH TYPE AND COLOR OF TILE SPECIFIED
 - ACOUSTICAL CEILING TILE: 200 SQUARE FEET OF EACH TYPE OF ACOUSTICAL UNIT SPECIFIED, PLUS 40 LINEAL FEET OF EXPOSED SUSPENSION SYSTEM COMPONENTS.
 - RESILIENT & SHEET VINYL FLOORING: 200 SQUARE FEET OF EACH TYPE AND COLOR
 - SHEET VINYL, 40 LINEAL FEET OF EACH TYPE AND COLOR OF RESILIENT BASE
 - CARPET
 - PAINT: 1 GALLON OF EACH COLOR.
- F. ALL FLOORING TRANSITIONS OCCUR UNDER THE CENTER OF THE DOOR UNLESS OTHERWISE NOTED. PROVIDE MANUFACTURER RECOMMENDED FLOORING TRANSITIONS AT DISSIMILAR FLOORING MATERIALS.
- K. CONTRACTOR TO COORDINATE EQUIPMENT SIZES WITH MILLWORK.

FINISH MATERIAL LEGEND

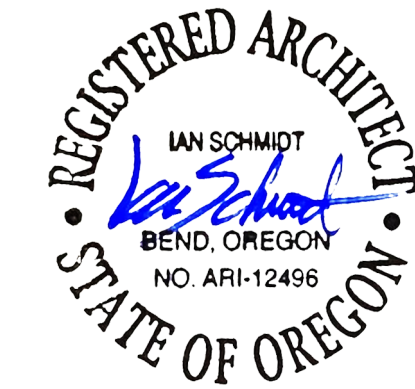


1 FINISH FLOOR PLAN
SCALE: 1/8" = 1'-0"



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PROJECT INFORMATION

BAKER EMERGENCY OPERATIONS CENTER

3410 K STREET BAKER CITY, OR 97814

ISSUES

PHASE		BID DOCUMENTS	
DATE		ISSUE DATE: 05/16/2025	
JOB NUMBER		COLE PROJECT: 23-105-OF	
MARK	DATE	DESCRIPTION	

SHEET NAME

FINISH SCHEDULE

SHEET NUMBER

A631



BIDDERS ARE INSTRUCTED TO CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS AND THE SITE CONDITIONS. INFORMATION REGARDING THE COMPLETE WORK OF SPECIFIC TRADES IS DISPERSED THROUGHOUT THE ENTIRE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED BY REFERENCE TO OTHER THAN COMPLETE DOCUMENT SET.

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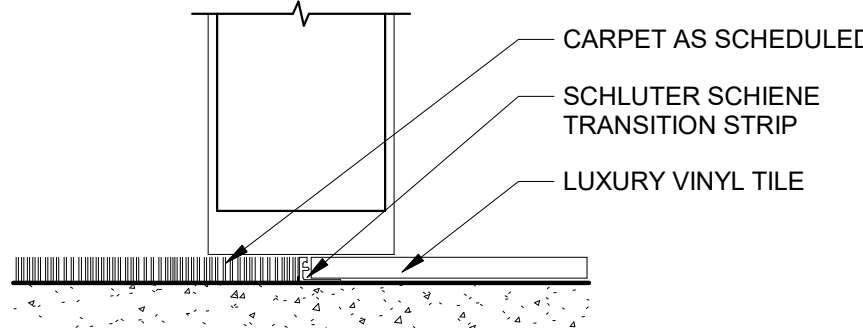
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SHEET NAME

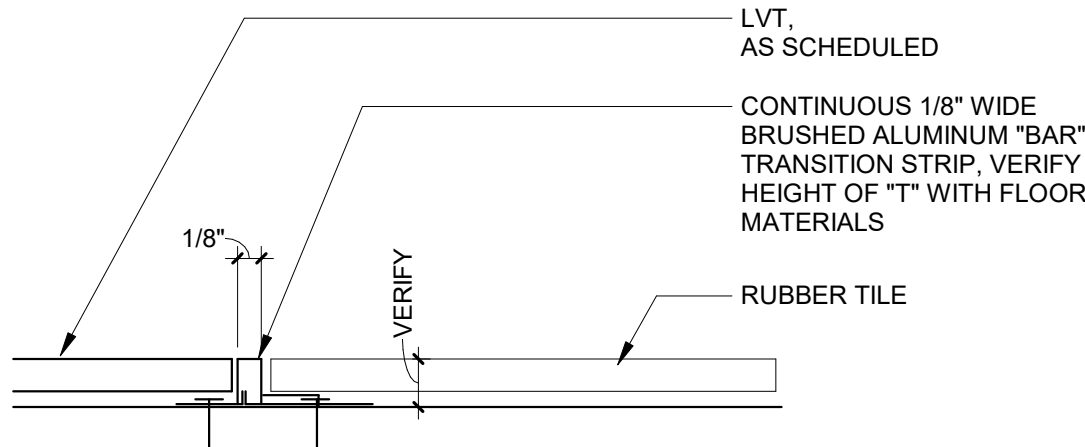
INTERIOR DETAILS

SHEET NUMBER

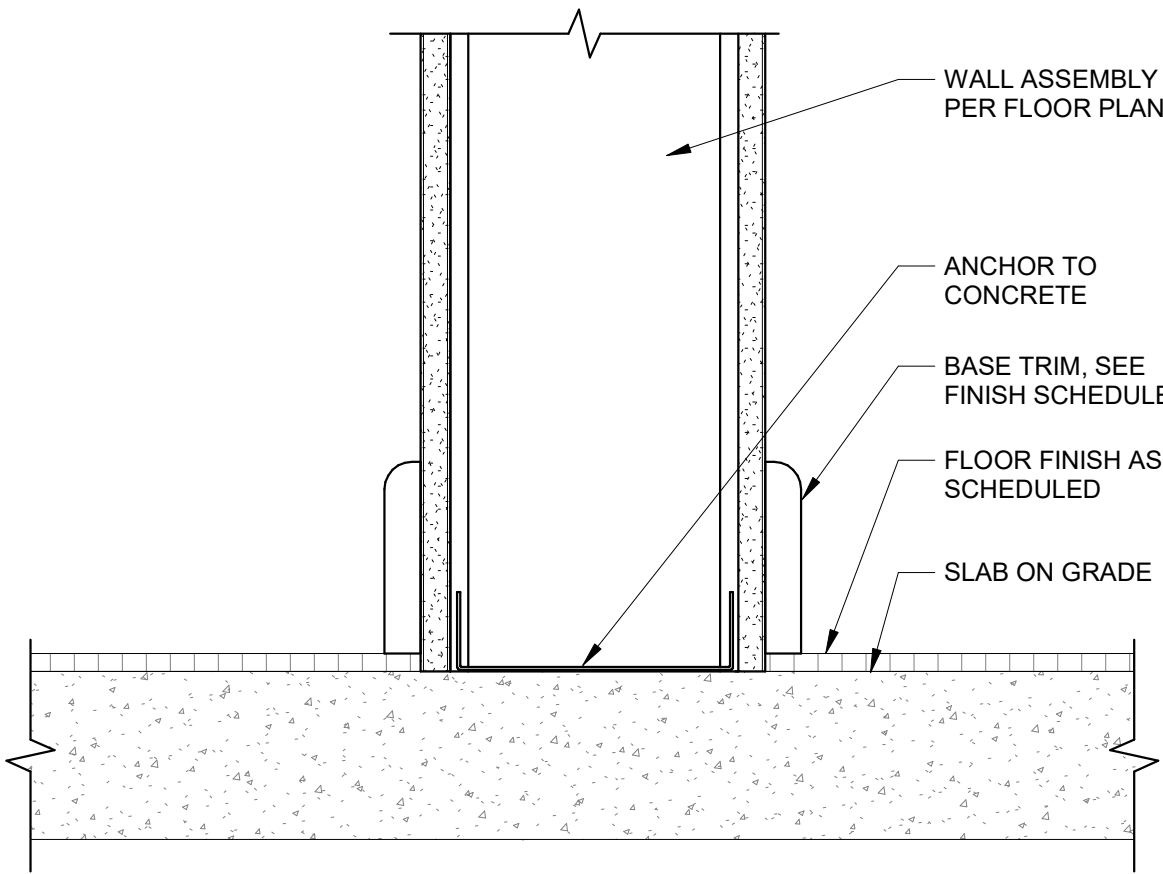
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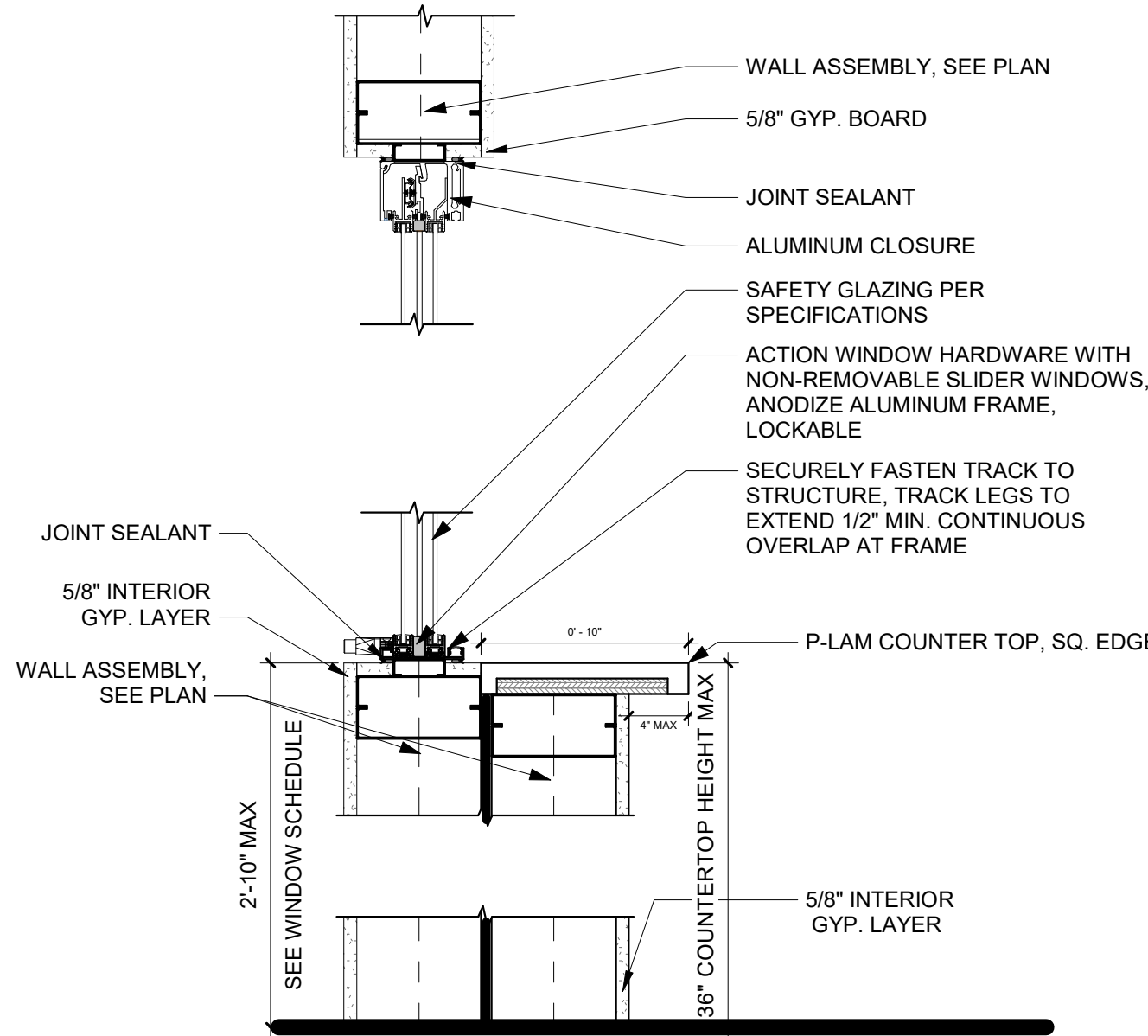
4 CARPET TO LVT TRANSITION
SCALE: 6" = 1'-0"



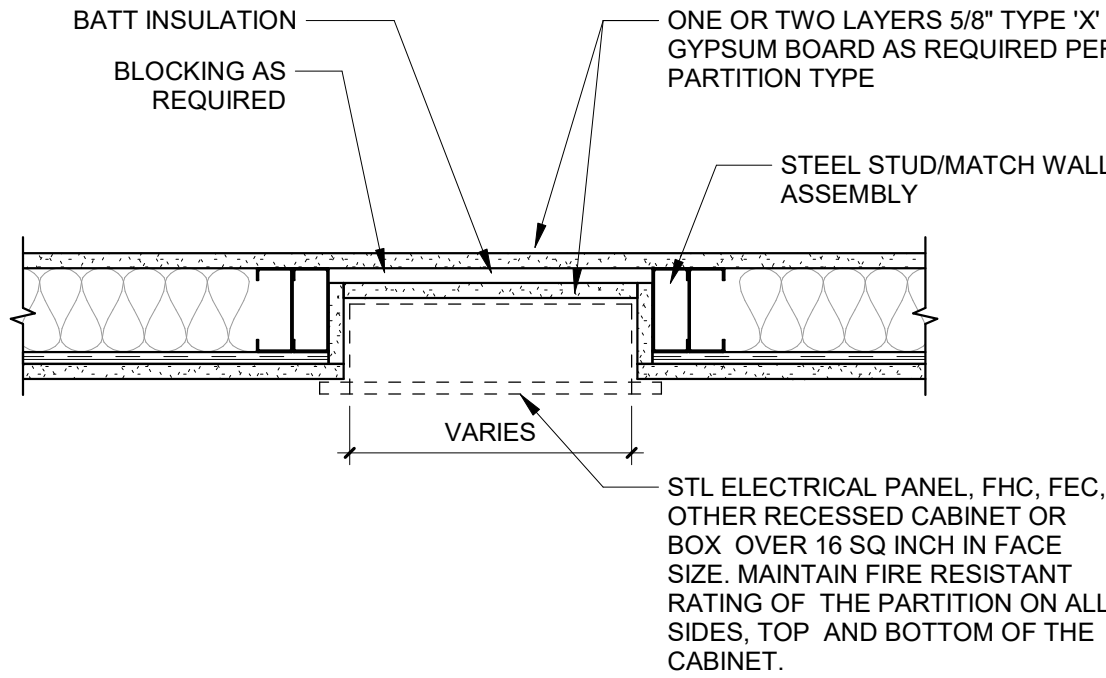
5 LVT TO RUBBER TILE TRANSITION
SCALE: 12" = 1'-0"



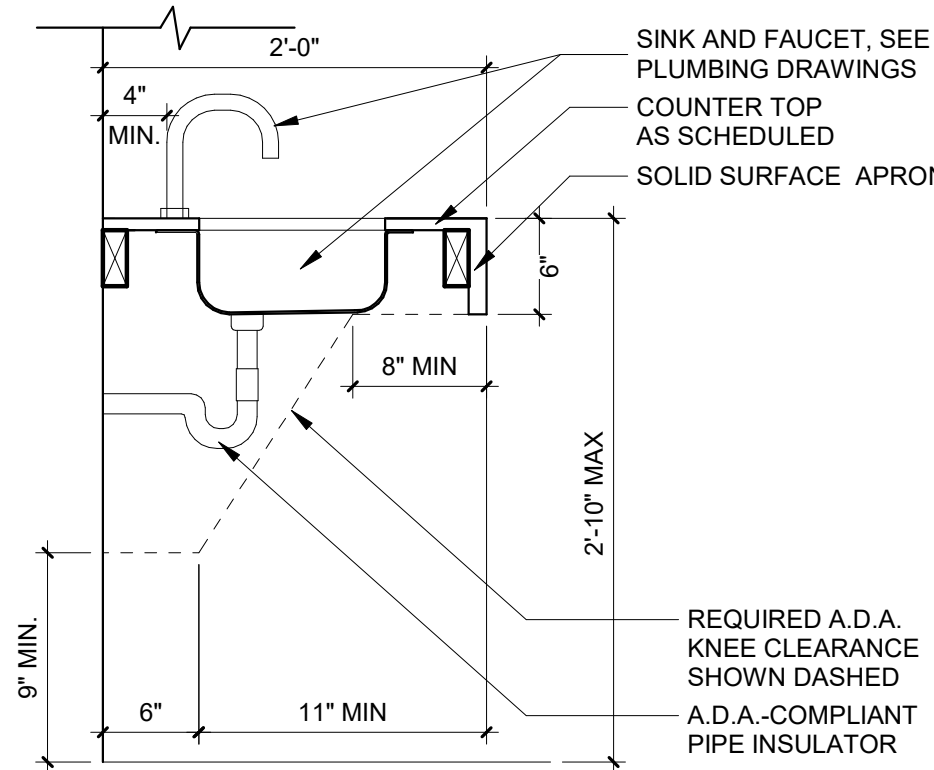
6 INTERIOR WALL AT S.O.G.
SCALE: 3" = 1'-0"



1 RECEPTION COUNTER AT SLIDER WINDOW
SCALE: 1 1/2" = 1'-0"



2 RECESSED WALL CABINET
SCALE: 1 1/2" = 1'-0"



3 RESTROOM CASEWORK
SCALE: 1" = 1'-0"

GENERAL NOTES & DESIGN CRITERIA

1. GENERAL.
- A. THESE GENERAL STRUCTURAL NOTES AND SPECIFICATIONS SUPPLEMENT THE PROJECT WRITTEN TECHNICAL SPECIFICATIONS AND THE PROJECT STRUCTURAL DRAWINGS.
- B. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION BRACING, TEMPORARY SHORING, AND OTHER SITE SAFETY CONTROLS REQUIRED DURING CONSTRUCTION IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS, TO INSURE THE STABILITY AND SAFETY OF ALL CONSTRUCTION UNTIL IT IS COMPLETED AND SELF-SUPPORTING.
- C. THE CONTRACTOR IS RESPONSIBLE FOR ALL WATER, BOTH ABOVE AND BELOW GROUND, RUNOFF AND OTHER ENVIRONMENTAL CONTROLS REQUIRED DURING CONSTRUCTION TO INSURE THE SITE IS MAINTAINED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- D. DETAILS ON THESE PLANS ARE INTENDED TO DEPICT THE GENERAL CONSTRUCTION DETAILS AND METHODS FOR THIS STRUCTURE. CONNECTION DETAILS AND CONDITIONS NOT SPECIFICALLY SHOWN THAT ARE SIMILAR IN NATURE TO THOSE THAT ARE SPECIFIED SHALL BE ASSUMED ONE AND THE SAME. IF QUESTIONS REGARDING THE APPLICATION OF DETAILS ARE ENCOUNTERED, NOTIFY THE ARCHITECT/ENGINEER FOR CLARIFICATION OR INSTRUCTION.
- E. PRIOR TO IMPLEMENTING ANY CHANGES TO THESE PLANS, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED IN WRITING FOR THEIR WRITTEN APPROVAL. CHANGES IMPLEMENTED WITHOUT THE ARCHITECT/ENGINEERS WRITTEN APPROVAL SHALL RELIEVE THE ARCHITECT/ENGINEER OF ANY CLAIM OR LIABILITY RESULTING FROM THAT PORTION OF THE STRUCTURE CHANGED OR AFFECTED BY THE CHANGE.
2. CONTRACTOR RESPONSIBILITY FOR COORDINATION
- A. IT IS THE CONTRACTORS PRIME RESPONSIBILITY TO COORDINATE THE WORK SHOWN ON ALL OF THE PROJECT DRAWINGS, GENERAL, SPECIAL AND TECHNICAL SPECIFICATIONS.
- B. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING CONSTRUCTION MATERIAL TYPES DIMENSIONS, ELEVATIONS AND CONDITIONS.
- C. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE DIMENSIONS AMONG ALL DRAWINGS AND IN THE FIELD PRIOR TO PROCEEDING WITH ANY WORK OR FABRICATION, ANY DISCREPANCY SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER.
- D. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CAREFULLY STUDY AND COORDINATE THE CONSTRUCTION REQUIREMENTS SHOWN ON BOTH THE ARCHITECTURAL AND THE STRUCTURAL DRAWINGS. WHEN CONFLICTS OR DISCREPANCIES ARE FOUND BETWEEN THESE PLAN SETS AND/OR WITHIN THESE DRAWINGS, THE CONTRACTOR SHALL REPORT THEM IMMEDIATELY TO THE PROJECT ARCHITECT/ENGINEER FOR DIRECTION AND/OR CLARIFICATION.
- E. ANY CONSTRUCTION WORK DONE BY THE CONTRACTOR BEFORE OBTAINING SUCH CLARIFICATION FROM THE PROJECT ARCHITECT/ENGINEER SHALL BE AT THE CONTRACTOR'S OWN RISK AND COST. FURTHERMORE, ANY WORK REQUIRED TO CORRECT, REPLACE AND/OR RESTORE THE WORK AS DIRECTED BY THE ARCHITECT/ENGINEER SHALL BE AT THE CONTRACTOR'S OWN RISK AND COST.
3. CODES.
- A. INTERNATIONAL BUILDING CODE, IBC CURRENT EDITION.
- B. OREGON STRUCTURAL SPECIALTY CODE - OSSC CURRENT EDITION.
- C. MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7; CURRENT EDITION.
- D. AMERICAN CONCRETE INSTITUTE, ACI 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE; CURRENT EDITION.
- E. AMERICAN CONCRETE INSTITUTE, ACI 530, BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES; CURRENT EDITION.
- F. AMERICAN CONCRETE INSTITUTE, ACI 301, SPECIFICATIONS FOR STRUCTURAL CONCRETE.
- G. AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AISC 13TH EDITION, STEEL CONSTRUCTION MANUAL.
- H. AMERICAN WELDING SOCIETY, AWS D1.1 CURRENT EDITION, STRUCTURAL WELDING CODE.
- I. NATIONAL DESIGN SPECIFICATIONS, NDS FOR WOOD CONSTRUCTION; CURRENT EDITION.
4. DESIGN CRITERIA.
- A. OCCUPANCY OR USE; IBC/OSSC TABLE 1607.1:
- B. LIVE LOADS:
- A. MINIMUM ROOF SNOW LOAD: 25 PSF (SNOW)
- B. FLOOR LIVE LOAD: 40 PSF
- C. GROUND SNOW LOAD, PG: 11 PSF
- D. UNBALANCED SNOW PER ASCE-7, CHAPTER 7
- C. DEAD LOADS
- A. FLOOR DEAD LOAD: 40 PSF
- B. ROOF DEAD LOAD: 21 PSF
- D. WIND:
- A. BASIC WIND SPEED: 120 MPH (LRFD)
- B. SITE EXPOSURE: C
- E. SEISMIC:
- A. EARTHQUAKE SPECTRAL RESPONSE ACCELERATION:
- B. IMPORTANCE FACTOR, IE: 1.0
- I. SHORT PERIOD, SS: 87.0%
- II. 1-SECOND, S1: 39.1%
- C. SOIL CLASS: D
- D. SEISMIC USE GROUP: II
- E. SEISMIC DESIGN CATEGORY: D
- F. MECHANICAL:
- A. REFER TO FRAMING PLANS AND MECHANICAL EQUIPMENT LOADS.

SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS PER IBC CHAPTER 17 ARE REQUIRED FOR THE FOLLOWING ITEMS LISTED BELOW.
2. SPECIAL INSPECTION WILL BE PROVIDED BY A CERTIFIED OR QUALIFIED INSPECTOR AND ASSOCIATED TESTING WILL BE PERFORMED BY AN APPROVED/ACCREDITED AGENCY. INSPECTORS SHALL BE INTERNATIONAL CODE COUNCIL (ICC) CERTIFIED OR OTHERWISE APPROVED BY THE BUILDING OFFICIAL.
3. THE SPECIAL INSPECTOR SHALL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE APPROVED CONTRACT DOCUMENTS AND SUBMIT RECORDS OF INSPECTION. ALL DISCREPANCIES WILL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION.
4. SPECIAL INSPECTION AND ASSOCIATED TESTING REPORTS WILL BE SUBMITTED TO THE ARCHITECT, ENGINEER, CONTRACTOR, BUILDING OFFICIAL, AND OWNER WITHIN ONE WEEK OF INSPECTION OR WITHIN ONE WEEK OF TEST COMPLETION.
5. AT THE CONCLUSION OF CONSTRUCTION, A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF PREVIOUSLY NOTED DISCREPANCIES WILL BE SUBMITTED TO THE PARTIES IDENTIFIED IN ITEM "4" ABOVE.
6. FOUNDATION AND SITE PREPARATION, INCLUDING STRUCTURAL FILLS, SHALL BE OBSERVED BY THE GEOTECHNICAL ENGINEER IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION FOR THIS PROJECT.

SPECIAL INSPECTIONS

ITEM	FREQUENCY		SPECIAL NOTES
	CONTINUOUS	PERIODIC	
CONCRETE			
INSPECTION OF POST-INSTALLED ANCHORS	X		
REINFORCEMENT PLACEMENT		X	
PLACEMENT OF CAST-IN-PLACE ANCHORS		X	
CONCRETE PLACEMENT	X		
VERIFICATION OF USE OF MIX DESIGN		X	
TESTING/SAMPLING FOR CONCRETE STRENGTH, SLUMP, AIR CONTENT, AND TEMPERATURE	X		
WOOD			
FABRICATION OF PRE-FABRICATED STRUCTURAL ELEMENTS		X	
MATERIAL VERIFICATION OF STRUCTURAL PANELS AND NAILS FOR DIAPHRAGMS AND SHEAR WALLS w/EDGE NAILING.		X	
CONNECTIONS FOR DIAPHRAGM CHORDS, COLLECTORS, DRAG TRUSSES BRACING, AND SHEAR WALL HOLD-DOWNS.		X	
STEEL			
FABRICATION OF STRUCTURAL ELEMENTS		X	
MATERIAL VERIFICATION OF ANCHOR BOLTS		X	
SINGLE PASS FILLET WELDS > 5/16"	X		
WELDING IN THE SHOP OF AN APPROVED FABRICATOR SHALL NOT REQUIRE SPECIAL INSPECTION.			

*** ALL SPECIAL INSPECTIONS SHALL BE PERFORMED BY ICBO CERTIFIED INSPECTORS.

FOUNDATIONS

1. ALL FOOTINGS TO BE PLACED ON FIRM UNDISTURBED, INORGANIC MATERIAL. PROOF ROLL SUB-GRADE PRIOR TO PLACING CONCRETE WHERE THE MATERIAL HAS BEEN DISTURBED BY THE EXCAVATING EQUIPMENT.
2. ALL PIERS AND FOOTINGS OUTSIDE OR AT THE PERIMETER OF THE STRUCTURE, OR IN OTHER UNHEATED AREAS SHALL BE SET TO A DEPTH OF AT LEAST 12-IN. BELOW FINISH GRADE, UNLESS OTHERWISE NOTED ON THE PLANS.
3. ALL FOUNDATIONS AND RETAINING WALLS BELOW FINISH GRADE SHALL RECEIVE AN APPROVED DAMP-PROOF COATING. FOUNDATION WALLS BELOW MAXIMUM ANTICIPATED GROUND WATER LEVELS SHALL RECEIVE AN APPROVED WATER-PROOF COATING; EXTEND WATER-PROOFING TO A MINIMUM OF 1'-0" ABOVE THE MAXIMUM ANTICIPATED GROUND WATER LEVEL.
4. ALLOWABLE BEARING PRESSURE FOR ALL FOOTINGS $Q_a = 3,000$ PSF
5. LOCAL AREAS OF SOFT AND/OR UNACCEPTABLE MATERIAL ENCOUNTERED AT BOTTOM OF FOOTING ELEVATIONS INDICATED ON THE PLANS MUST BE OVER-EXCAVATED AND BROUGHT UP TO DESIGN GRADE WITH COMPACTED STRUCTURAL FILL OR LEAN CONCRETE FILL.
6. ALL STRUCTURAL FILL AND/OR BACKFILL SHALL BE GRANULAR, FREE DRAINING, MATERIAL; UNIFIED SOILS CLASSIFICATION GW, GP, GM OR SW; MAXIMUM AGGREGATE SIZE OF 3-IN. AND NO MORE THAN 7% PASSING A NUMBER 200 SIEVE. MATERIAL SHALL BE PLACED IN LIFTS NO GREATER THAN 6-IN. IN DEPTH AND COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED PER ASTM D1557.
7. DESIGN FOR THE MITIGATION OF SUBSURFACE WATER FLOW AND/OR PERCHED WATER TABLES SHALL BE THE RESPONSIBILITY OF OTHERS.
8. THE ENGINEER SHALL BE NOTIFIED IN WRITING IF ANY GROUND WATER, CLAY TYPE SOILS, DEBRIS OR UNCONSOLIDATED MATERIALS ARE ENCOUNTERED DURING EXCAVATIONS FOR FOUNDATIONS.
9. GEOTECHNICAL REPORT - K&A ENGINEERING

SUBMITTALS & DEFERRED SUBMITTALS

1. SUBMITTALS.
- A. SUBMIT ELECTRONICALLY PRODUCT AND MATERIAL DESIGN INFORMATION TO THE ARCHITECT/ENGINEER FOR REVIEW FOR THE FOLLOWING ITEMS:
- A. CONCRETE MIX DESIGNS AND ADMIXTURES.
- B. EPOXY ANCHORS.
2. DEFERRED SUBMITTALS.
- A. THE FOLLOWING ITEMS TO BE DESIGNED BY OTHERS ARE CONSIDERED "DEFERRED SUBMITTALS". UPON REVIEW BY THE ENGINEER OF ALL DESIGN DOCUMENTATION AND SHOP DRAWINGS, CONTRACTOR MUST TRANSMIT TO THE LOCAL BUILDING OFFICIAL, FOR THEIR REVIEW AND APPROVAL, PRIOR TO FABRICATION AND ERECTION. DEFERRED SUBMITTALS SHALL BE ACCOMPANIED BY DESIGN DRAWINGS, SHOP DRAWINGS AND STRUCTURAL CALCULATIONS, STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER CURRENTLY REGISTERED IN THE STATE OF OREGON.
- A. OPEN WEB STEEL JOIST AND JOIST GIRDER FRAMING SYSTEMS
- B. PREFABRICATED METAL STAIR SYSTEMS
- C. METAL HANDRAILS

SHOP DRAWINGS

1. SUBMIT REQUIRED SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO FABRICATION OF THE FOLLOWING ITEMS:
- A. REINFORCING STEEL FOR ALL CONCRETE.
- B. STRUCTURAL STEEL

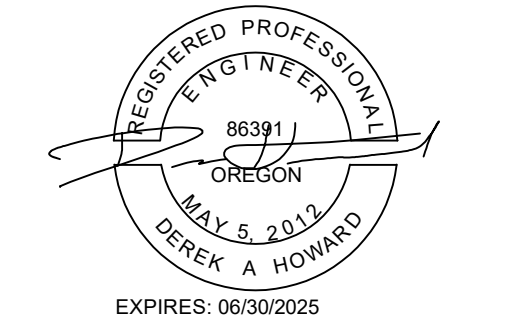
CONCRETE.

6. FORMWORK.
- A. FORMS SHALL RESULT IN A FINAL STRUCTURE THAT CONFORMS TO SHAPES, LINES, AND DIMENSIONS OF THE MEMBERS AS REQUIRED BY THE DESIGN DRAWINGS AND SPECIFICATIONS.
- A. DESIGN OF FORMWORK SHALL BE IN ACCORDANCE WITH ACI 318/350 SECTION 6.1.
- B. FORMWORK SHALL BE IN ACCORDANCE WITH ACI 347; GUIDE TO FORMWORK FOR CONCRETE.
- B. TOLERANCES FOR FINISHED CONCRETE SURFACES SHALL MEET THE FOLLOWING REQUIREMENTS, CLASS OF SURFACE IS PER TABLE 3.4 OF ACI 347:
- A. FOOTINGS: CLASS C
- B. FOUNDATION WALLS: CLASS B
- C. ABOVE GRADE CONCRETE NOT VISIBLE TO SIGHT: CLASS B
- D. ABOVE-GRADE CONCRETE VISIBLE TO SIGHT: CLASS A
- C. REMOVAL OF FORMS.
- A. CONCRETE FORMS SHALL NOT BE REMOVED UNTIL THE RETAINED CONCRETE HAS REACHED THE FOLLOWING MINIMUM PERCENTAGE OF THE REQUIRED 28 DAY COMPRESSIVE STRENGTH:
- A.A. FOOTINGS AND BASE SLABS ON GRADE: 50% OF F'C.
- A.B. FOUNDATION WALLS AND COLUMNS: 67% OF F'C.
- B. WHERE CONCRETE CYLINDER TESTS ARE NOT AVAILABLE FOR STRENGTH VERIFICATION THE FOLLOWING GUIDE MAY BE USED WHEN PERMITTED BY THE PROJECT ENGINEER:
- B.A. FOOTINGS AND BASE SLABS ON GRADE: 12 HOURS.
- B.B. FOUNDATION WALLS AND COLUMNS: 24 HOURS.
- D. EMBEDMENTS IN CONCRETE.
- I. CONDUITS, PIPES, AND SLEEVES OF ANY MATERIAL NOT HARMFUL TO CONCRETE AND WITHIN LIMITATIONS OF ACI 318/350 SECTION 6.3 SHALL BE PERMITTED TO BE EMBEDDED IN CONCRETE WITH APPROVAL OF THE PROJECT ENGINEER, PROVIDED THEY ARE NOT CONSIDERED TO REPLACE STRUCTURALLY THE DISPLACED CONCRETE, EXCEPT AS PROVIDED IN SECTION 6.3.6.
- E. CONDUITS AND PIPES OF ALUMINUM SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE UNLESS EFFECTIVELY COATED OR COVERED TO PREVENT ALUMINUM-CONCRETE REACTION OR ELECTROLYTIC ACTION BETWEEN ALUMINUM AND STEEL.
- F. CONSTRUCTION JOINTS.
- A. CONSTRUCTION JOINTS SHALL ONLY BE PLACED WHERE INDICATED ON THE PROJECT DRAWINGS OR AS APPROVED BY THE PROJECT ENGINEER.
- B. CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 318/350 SECTION 6.4
7. DETAILS OF REINFORCEMENT.
- A. PLACEMENT OF ALL REINFORCING STEEL WITHIN CONCRETE STRUCTURES SHALL BE IN CONFORMANCE WITH ACI 318/350 CHAPTER 7.
- B. REINFORCING STEEL HOOKS, BENDS, TIES, SPLICES AND OTHER REINFORCEMENT DETAILS SHALL BE IN ACCORDANCE WITH ACI 315; DETAILS AND DETAILING OF CONCRETE REINFORCEMENT.
- C. SPACING LIMITS FOR REINFORCEMENT SHALL BE IN CONFORMANCE WITH ACI 318/350 SECTION 7.6.
- D. CONCRETE PROTECTION FOR REINFORCEMENT. UNLESS NOTED ELSEWHERE ON THE DRAWINGS, ALL REINFORCING STEEL SHALL HAVE THE FOLLOWING CONCRETE COVER:
- A. FOR NON-LIQUID CONTAINING CONCRETE STRUCTURES; PER ACI 318 SECTION 7.7:
- B. CONCRETE CAST AGAINST EARTH: 3.00 INCH
- C. CONCRETE EXPOSED TO EARTH OR WEATHER;
- C.A. NO. 5 OR SMALLER BARS: 1.50-INCH
- C.B. NO. 6 OR LARGER BARS: 2.00-INCH
- D. CONCRETE NOT EXPOSED TO EARTH OR WEATHER;
- D.A. NO. 11 OR SMALLER BARS: 0.75-INCH
- D.B. NO. 14 OR LARGER BARS: 1.50-INCH
- E. BEAMS AND COLUMNS:
- E.A. PRIMARY REINFORCEMENT, TIES, STIRRUPS OR SPIRALS: 1.50-INCH
- E. CONCRETE BLOCKS OR PLASTIC-COATED BAR CHAIRS SHALL BE PROVIDED FOR SUPPORT OF ALL SLAB REINFORCING STEEL, SUFFICIENT IN NUMBER TO PREVENT SETTLEMENT OR SAGGING, BUT IN NO CASE SHALL SUCH SUPPORT BE CONTINUOUS. METAL CLIPS OR SUPPORTS SHALL NOT BE PLACED IN CONTACT WITH THE FORMS OR THE SUB-GRADE.
- F. DOWELS AND ANCHOR BOLTS SHALL BE WIRED OR OTHERWISE HELD IN CORRECT POSITION PRIOR TO PLACING CONCRETE. CARE SHALL BE TAKEN TO INSURE THAT DOWELS AND ANCHOR BOLTS REMAIN PLUM AFTER CONCRETE IS POURED AND VIBRATED. IN NO CASE SHALL DOWELS OR ANCHOR BOLTS BE STABBED INTO FRESHLY POURED CONCRETE!
- G. PROVIDE DOWELS IN FOOTINGS AND AT CONSTRUCTION JOINTS TO MATCH VERTICAL REINFORCING BAR SIZE AND SPACING, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- H. WHERE DRILLED IN ANCHORS ARE TO BE POST-INSTALLED INTO CONCRETE SURFACES TAKE CARE TO LOCATE REINFORCING STEEL SO THAT IT WILL NOT INTERFERE WITH THE DRILLING OPERATIONS. MOVE BARS PLUS OR MINUS 1 TO 2 INCHES IN ORDER TO AVOID DRILLING CONFLICTS.
- I. ALL BAR BENDS, HOOKS, SPLICES AND OTHER REINFORCING STEEL DETAILS SHALL CONFORM TO THE REQUIREMENTS OF ACI 315.
- J. UNLESS OTHERWISE NOTED ON THE PLANS ALL BARS SHALL BE SPLICED WITH A MINIMUM CLASS A LAP SPlice; LAP SPLICES OF DEFORMED BARS AND DEFORMED WIRE IN TENSION ZONES SHALL BE CLASS B SPLICES.
- K. AT ALL CORNERS AND WALL INTERSECTIONS PROVIDE BENT BARS TO MATCH THE HORIZONTAL REINFORCING STEEL AND IN ACCORDANCE WITH THE TYPICAL CORNER REINFORCING DETAILS.
- L. CHAMFER ALL EXPOSED CORNERS AND FILLET ENTRANT ANGLES 3/4" UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- M. PROVIDE #4, 4'-0" LONG DIAGONAL BARS AT EACH RE-ENTRANT CORNER IN SLABS; (1) BAR FOR SLABS WITH SINGLE LAYER REINFORCING AND (2) BARS FOR SLABS WITH DOUBLE LAYER REINFORCING.



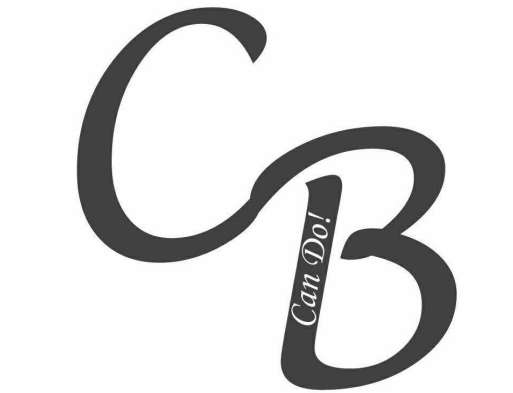
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STAMP



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CONSULTANT



PROJECT INFORMATION

BAKER EMERGENCY OPERATIONS CENTER

3410 K ST. BAKER CITY, OR 97814

ISSUES

PHASE		BID DOCUMENTS
DATE		2025.04.23
JOB NUMBER		90-003
MARK	DATE	DESCRIPTION

SHEET NAME

GENERAL STRUCTURAL NOTES

SHEET NUMBER

S1.0

SHEET INDEX	
S1.0	GENERAL STRUCTURAL NOTES
S1.1	GENERAL STRUCTURAL NOTES
S2.0	FOUNDATION PLAN
S2.1	ROOF FRAMING PLAN
S3.0	TYPICAL CONCRETE DETAILS
S3.1	FOUNDATION DETAILS
S5.0	STEEL FRAMING DETAILS

CONCRETE, CONT.

8. CONCRETE FINISHING. ALL CONCRETE SURFACES SHALL BE FINISHED IN ACCORDANCE WITH ACI 301.
- A. FORMED CONCRETE SURFACES. AFTER REMOVAL OF FORMS, GIVE EACH FORMED SURFACE ONE OR MORE OF THE FOLLOWING FINISHES:
- A. NON-LIQUID RETAINING CONCRETE STRUCTURES:
- A.A. CONCRETE FOOTINGS AND FOUNDATIONS NOT EXPOSED TO VIEW. PROVIDE AN AS-CAST FINISH PER SECTION 5.3.3.3A.
- A.B. FOUNDATION WALL AND OTHER SURFACES BELOW GRADE AND NOT EXPOSED TO VIEW. PROVIDE A ROUGH-FORM FINISH PER SECTION 5.3.3.3.A.
- A.C. INTERIOR, EXTERIOR AND TOP SURFACES EXPOSED TO VIEW TO 6-INCHES BELOW GRADE. PROVIDE A SMOOTH-FORM FINISH PER SECTION 5.3.3.3.B.
- B. SPECIAL OR ARCHITECTURAL FINISHES: REFER TO THE ARCHITECTURAL SPECIFICATIONS FOR SPECIAL OR ARCHITECTURAL FINISH REQUIREMENTS.
- B. UNFORMED CONCRETE SURFACES. UNFORMED CONCRETE SURFACES INCLUDING THE TOP SURFACE OF ALL CONCRETE ROOF AND FLOOR SLABS SHALL BE FINISHED IN ACCORDANCE WITH ACI 301 SECTION 5.3.4 AND ACI 302 CHAPTER 8.
- A. INTERIOR OFFICES AND OTHER AREAS RECEIVING ONLY LIGHT FOOT TRAFFIC SHALL RECEIVE A TROWELED FINISH PER SECTION 5.3.4.2C.
- B. PROVIDE A NONSLIP FINISH FOR EXTERIOR SURFACES AND WHERE INDICATED ON THE PLANS.
- C. REFER TO THE ARCHITECTURAL PLANS FOR FINISH REQUIREMENTS FOR FLOORS TO RECEIVE ARCHITECTURAL COVERINGS.
- C.SAWED CONTRACTION JOINTS. CONFORM TO ACI 301 SECTION 5.3.5.
9. CONCRETE FLOORS AND SLABS.
- A. CONCRETE FLOORS AND SLABS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 302: CONCRETE FLOOR AND SLAB CONSTRUCTION. PROVIDE THE FOLLOWING CLASS CONCRETE FLOOR SLABS IN ACCORDANCE WITH TABLE 2.1 UNLESS OTHERWISE NOTED ON THE DRAWINGS:
- A. INTERIOR OFFICES AND OTHER AREAS RECEIVING ONLY LIGHT FOOT TRAFFIC: CLASS 1 OR 2 FLOOR DEPENDING ON FINAL FLOOR COVERING.
- B. EXTERIOR STRUCTURAL FLOOR SLABS SUBJECT TO FOOT AND MAINTENANCE TRAFFIC LOADS: CLASS 4 OR 5 FLOOR. PROVIDE A NONSLIP FINISH TO ALL WALKING SURFACES.
- B. PLACING, CONSOLIDATING, AND FINISHING. FOLLOW THE RECOMMENDATIONS GIVEN IN CHAPTER 8.

LUMBER/ MATERIALS/ HARDWARE

1. LUMBER: GRADING SHALL BE TO THE STANDARD GRADING RULES OF THE WWPA. TYPICAL STRUCTURAL LUMBER SHALL BE NUMBER 2 DOUGLAS-FIR/LARCH OR BETTER. MEMBERS NOTED AS WOOD BEAMS, POSTS OR COLUMNS SHALL BE NUMBER 1 DOUGLAS-FIR/LARCH OR BETTER. STUDS FOR INTERIOR NON-BEARING WALLS MAY BE STUD GRADE LUMBER. LUMBER TO BE LEFT EXPOSED, WITHOUT OTHER FINISH AND LUMBER IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
2. TREATED LUMBER: LUMBER, INCLUDING WOOD SHEATHING, TO BE LEFT EXPOSED WITHOUT OTHER FINISH, LOCATED WITHIN 8" OF FINISH GRADE, OR IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED MATERIAL. CONTRACTOR SHALL COORDINATE AND VERIFY THAT ALL STEEL ITEMS IN CONTACT WITH THE TREATED MATERIAL, INCLUDING STEEL HANGARS, CONNECTORS AND FASTENERS HAVE A GALVANIZED FINISH OF SUFFICIENT THICKNESS, OR OTHER TYPE OF PROTECTION, THAT IS COMPATIBLE WITH THE SPECIFIC TREATMENT TYPE SELECTED.
3. EPOXY SET BOLTS & REBAR: BOLTS AND REINFORCING STEEL BARS NOTED ON THE PLANS AS EPOXY OR CONSTRUCTION ADHESIVE SET BOLTS OR REBAR SHALL BE SET IN PLACE UTILIZING THE SIMPSON SET HIGH STRENGTH EPOXY SYSTEM; SIZE AND EMBEDMENT AS NOTED ON THE DRAWINGS, INSTALLED PER THE MANUFACTURERS RECOMMENDATIONS; OR AN APPROVED EQUAL.
4. BOLTS & LAG SCREWS FOR WOOD CONSTRUCTION: CONFORM TO ANSI/ASME TANDARDS B18.2.1-1981 AND THE NATIONAL DESIGN SPECIFICATION FOR WOOD ONSTRUCTION (NDS) 1991 EDITION PART VIII FOR BOLTS AND PART IX FOR SCREWS.
5. WOOD SCREWS: CONFORM TO ANSI/ASME STANDARDS B18.6.1-1981 AND THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) 1991 EDITION PART XI.
6. NAILS & SPIKES: CONFORM TO FEDERAL SPECIFICATION FF-N-105B AND THE NATIONAL DESIGN SPECIFICATION (NDS) 1991 EDITION PART XII.
7. NAILING: WHERE NOT OTHERWISE SPECIFIED ON THE PLANS, NAILING SHALL CONFORM TO IBC TABLE 2304.9.1. FASTENING SCHEDULE. ALL NAILS SHALL BE COMMON WIRE NAILS OR PNEUMATICALLY DRIVEN NAILS WITH AN EQUIVALENT CROSS-SECTION AND PENETRATION, UNLESS NOTED OTHERWISE.
8. LUMBER HARDWARE: WOOD CONSTRUCTION CONNECTORS SHALL BE AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY; CURRENT CATALOG, OR AN APPROVED EQUAL. HARDWARE EXPOSED TO WEATHER OR VIEW, IN UNHEATED PORTIONS OF THE STRUCTURE, OR AS INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS SHALL BE HOT-DIPPED GALVANIZED WITH GALVANIZED FASTENERS.
9. ROOF SHEATHING: ALL ROOF SHEATHING SHALL BE 5/8" NOMINAL, EXTERIOR APA RATED SHEATHING {32/16} INSTALLED WITH PLY-CLIPS.

MECHANICAL OPENINGS

1. MECHANICAL OPENINGS ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS; REFER TO MECHANICAL PLANS FOR SIZE AND LOCATIONS.
2. OPENINGS THROUGH CONCRETE OR MASONRY WALLS GREATER THAN 6-INCH SQUARE OR 8-INCH ROUND SHALL BE REINFORCED WITH A MINIMUM OF 1-#5 BAR, EACH OF FOUR SIDES, EXTENDING 24" PAST THE OPENING EDGE. IN MASONRY WALLS THE BARS SHALL BE PLACED IN SOLID GROUTED CORES.
3. OPENINGS THROUGH FRAMED WALLS SHALL BE SOLIDLY BLOCKED ON ALL FOUR SIDES WITH FULL HEIGHT STUDS AND TOP AND BOTTOM BLOCKING. PROVIDE A HEADER MEMBER ACROSS THE OPENING PER THE TYPICAL DETAILS WHERE BEARING STUDS ARE INTERRUPTED BY THE OPENING.

STEEL

1. STRUCTURAL STEEL MATERIALS
- A. PLATES, BARS, CHANNELS & ANGLES: ASTM A36, FY=36 KSI
- B. SQUARE, RECTANGULAR HSS, STEEL TUBING: ASTM A5000 GRADE B, FY = 46 KSI
2. WELDING OF STRUCTURAL STEEL
- A. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT AWS STRUCTURAL WELDING CODE D1.1-02
- A. WELD METAL: FEXX=70 KSI, TYPICAL UNLESS OTHERWISE NOTED OR REQUIRED BY AWS.
- B. ALL WELDERS SHALL BE TESTED AND CERTIFIED BY AN INDEPENDENT TESTING AGENCY.
- C. ALL WELDERS SHALL BE CURRENTLY LISTED WITH WABO. (FOR WASHINGTON STATE PROJECTS)
- D. QUALIFICATION OF WELDERS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS FOR STANDARD QUALIFICATION PROCEDURE OF THE AWS.
- E. CONTRACTOR SHALL SUBMIT A WPS FOR EACH TYPE 1 MOMENT CONNECTION WELD TO BE PERFORMED ON THE JOB. THE WPS SHALL FOLLOW THE REQUIREMENTS OF AWS D1.1 AND SPECIFY AT A MINIMUM THE FOLLOWING: PROCEDURE IDENTIFICATION , BASE METAL IDENTIFICATION, WELDING PROCESS, TYPE OF WELDING, POSITION OF WELDING, FILLER METAL SPECIFICATIONS, FILLER METAL CLASSIFICATION, NUMBER OF PASSES, WELDING CURRENT, WELDING POLARITY, PRE-HEAT AND INTER-PASS TEMPERATURES, CONTROLLED COOLING REQUIREMENTS, WELDING PARAMETERS SUCH AS ELECTRODE DIAMETER, AMPERAGE RANGE, VOLTAGE RANGE, TRAVEL SPEED RANGE, WIRE FEED SPEED RANGE, AND ELECTRICAL STICK-OUT.
3. OPEN WEB STEEL JOISTS
- A. (INCLUDING BRIDGING) SHALL CONFORM TO THE SPECIFICATIONS OF THE STEEL JOIST INSTITUTE, LATEST EDITION, AND IBC SECTION 2207. SEE PLANS AND DETAILS FOR LOADING REQUIREMENTS. AT JOISTS, THE PLANS INDICATE THE UNIFORM POUND PER FOOT LINE LOADS SHOWN AS (TOTAL LOAD, LIVE LOAD) WHICH INCLUDE AN ALLOWANCE FOR THE WEIGHT OF JOISTS, UNLESS OTHERWISE NOTED. CONCENTRATED LOADS SPECIFIED ON THE PLANS OR DETAILS SHALL BE ADDITIVE TO THE SPECIFIED LINE LOADS. FOR MEMBERS DENOTED 'STRUT' DESIGN TOP CHORD TO RESIST THE FACTORED EARTHQUAKE LOAD SHOWN. IN ADDITION, ALL MEMBERS SHALL BE DESIGNED TO SUPPORT A SINGLE 500 LB. ADDITIVE DOWNWARD POINT LOAD FROM ANY TOP OR BOTTOM CHORD PANEL POINT TO ACCOUNT FOR MISCELLANEOUS ARCHITECTURAL AND MECHANICAL ITEMS. CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR AND JOIST MANUFACTURER FOR LOADS EXCEEDING THIS ALLOWANCE. WHERE CONCENTRATED LOADS/HANGERS DO NOT OCCUR AT PANEL POINTS, CONTRACTOR SHALL INSTALL ADDITIONAL WEB MEMBERS PER THE INSTALLATION DETAILS OF THE JOIST MANUFACTURER WHERE REQUIRED. REVIEW PROPOSED FIELD SPLICE LOCATIONS AND DETAILS WITH ARCHITECT, AND COORDINATE LOCATIONS WITH THE ERECTOR.
- B.JOIST MANUFACTURER SHALL CHECK ROOF MEMBERS AND PROVIDE UPLIFT BRIDGING AS REQUIRED TO ADEQUATELY BRACE THE BOTTOM CHORD AGAINST LATERAL MOVEMENT UNDER A NET WIND UPLIFT PRESSURE (ASD) OF 5 PSF. CONTRACTOR SHALL COORDINATE BRIDGING LAYOUT PRIOR TO JOIST ERECTION TO AVOID CONFLICTS WITH MECHANICAL DUCTWORK, FLOOR/ROOF OPENINGS (INCLUDING SKYLIGHTS), OR OTHER MISCELLANEOUS ITEMS. ENDS OF BRIDGING ROWS SHALL BE FIELD WELDED TO STRUCTURAL STEEL MEMBERS OR TO PLATES BOLTED TO CONCRETE OR MASONRY WALLS UNLESS OTHERWISE NOTED. CAMBER JOISTS IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE STANDARDS, UNLESS OTHERWISE NOTED. SIZE MEMBERS TO MEET THE FOLLOWING LIVE LOAD DEFLECTION CRITERIA UNLESS OTHERWISE NOTED: L/360 FOR SIMPLE SPAN ROOF MEMBERS AND L/180 FOR ROOF OVERHANGS.
- C. JOISTS THAT OCCUR WITHIN 3'-0" OF STEEL COLUMNS AND ALL JOISTS EXCEEDING 40'-0" IN LENGTH SHALL BE BOLTED TO WIDE FLANGE OR JOIST GIRDER SUPPORTS IN LIEU OF THE SPECIFIED FIELD WELDING, EXCEPT AT JOISTS MARKED 'STRUT' AND WHERE NOTED ON DETAILS WHERE THE FIELD WELDING SHALL ALSO APPLY. USE (2) 1/2" DIAMETER A307 BOLTS FOR K-SERIES JOISTS AND (2) 3/4" DIAMETER A307 BOLTS FOR LH AND DLH-SERIES JOISTS (VERIFY BOLT SIZE/SPACING WITH JOIST SUPPLIER). BOLTING REQUIREMENT MAY BE OMITTED FOR JOISTS LESS THAN 40'-0" IN LENGTH WHERE WIDE FLANGE BEAMS FRAME INTO STEEL COLUMNS IN AT LEAST TWO DIRECTIONS. SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS TO THE ARCHITECT, STRUCTURAL ENGINEER, AND BUILDING DEPARTMENT FOR REVIEW PRIOR TO FABRICATION. SUBMITTALS SHALL INDICATE ALL CHORD AND WEB MEMBER SIZES AND SHOW ALL END CONNECTIONS. DESIGN CALCULATIONS SHALL BEAR THE STAMP AND SIGNATURE OF A REGISTERED PROFESSIONAL ENGINEER, STATE OF OREGON.



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DATE	2025.04.23
JOB NUMBER	90-003

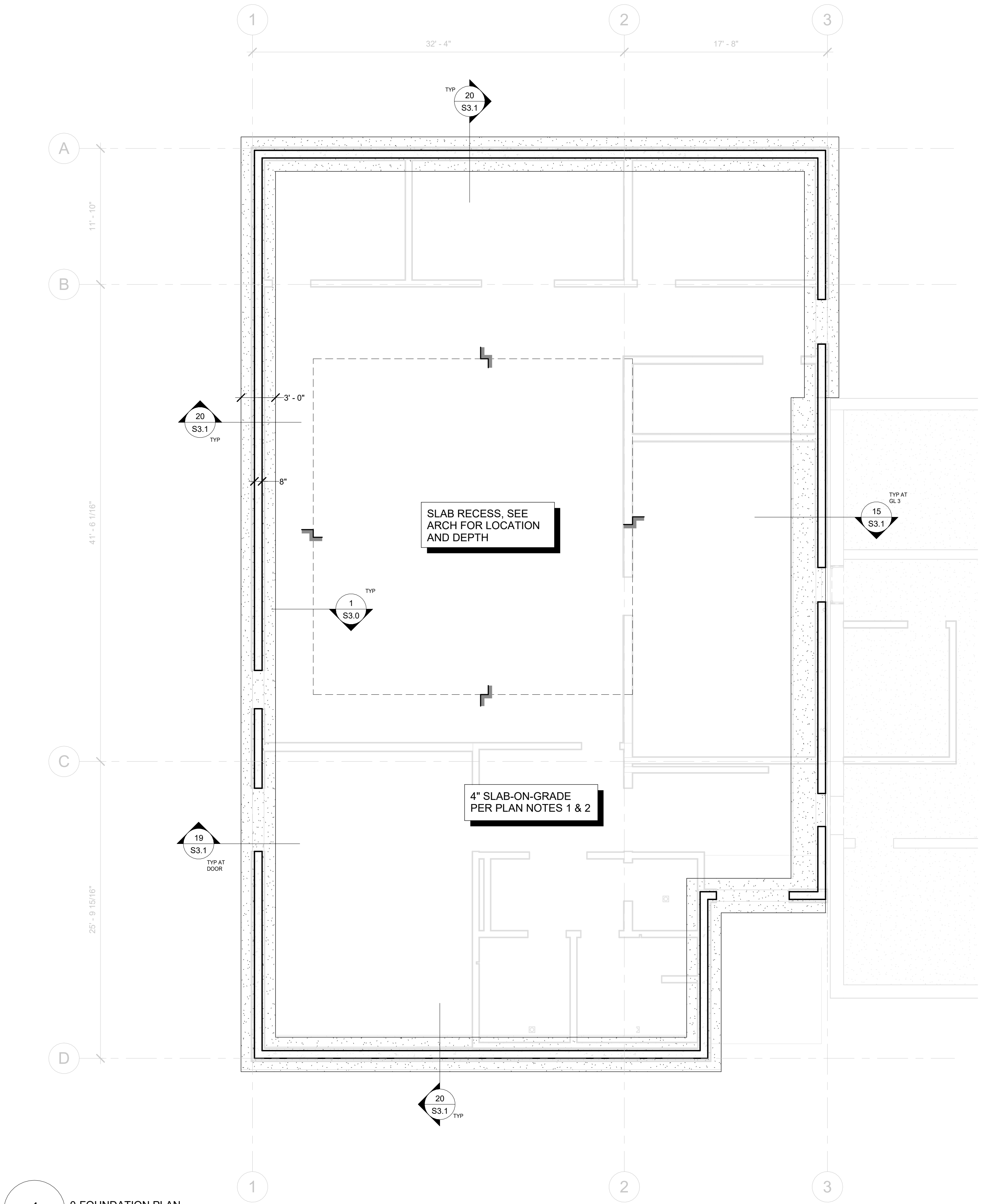
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SHEET NAME

GENERAL STRUCTURAL NOTES

SHEET NUMBER

S1.1



1 0-FOUNDATION PLAN
3/16" = 1'-0"

LEGEND:

- STEP IN TOP OF SLAB
- BEARING WALL THIS LEVEL

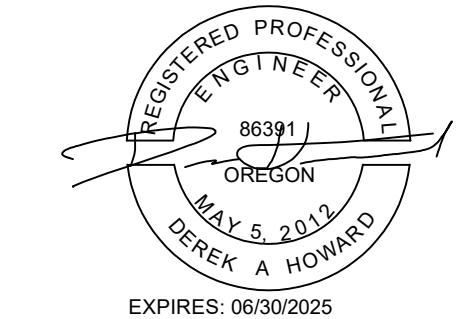
FOUNDATION PLAN NOTES

- SLAB-ON-GRADE SHALL BE 4" THICK WITH 6x6 W1.4xW1.4 WWM AT CENTER UON (#4 @ 16" AT CONTRACTORS OPTION). PROVIDE VAPOR BARRIER PER SPECIFICATIONS BELOW SLAB AT INTERIOR SPACES OVER FREE-DRAINING CAPILLARY BREAK MATERIAL PER GEOTECHNICAL REPORT.
- PROVIDE CONSTRUCTION/ CONTROL JOINTS IN SLAB-ON-GRADE TO DIVIDE SLAB INTO RECTANGULAR AREAS SPACED AT 12'-0" MAX FOR 4" SLABS AND 15'-0" FOR 5" AND GREATER SLAB AREAS SHALL BE APPROXIMATELY SQUARE AND HAVE A MAXIMUM ASPECT RATIO OF 1.5:1 AND HAVE NO ACUTE ANGLES. JOINT LOCATIONS MUST BE SUBMITTED AND APPROVED BY ARCHITECT AND EOR. SEE 5 / S3.0
- SLAB ELEVATION PER CIVIL DRAWINGS. VERIFY ALL DIMENSIONS & ELEVATIONS WITH CIVIL & ARCHITECTURAL DRAWINGS.
- SEE ARCHITECTURAL/ MECHANICAL/ CIVIL/ UTILITIES DRAWINGS FOR UNDERSLAB PIPING/ COORDINATE FOUNDATION DEPTHS AND PIPING IN ACCORDANCE WITH 6 / S3.0
- DETAILS ON PLANS ARE INTENDED TO DEPICT THE GENERAL CONSTRUCTION METHODS FOR THIS STRUCTURE. CONNECTIONS, DETAILS AND CONDITIONS NOT SPECIFICALLY SHOWN THAT ARE SIMILAR TO THOSE THAT ARE SPECIFIED SHALL BE ASSUMED ONE AND THE SAME. IF QUESTIONS REGARDING THE APPLICATION OF DETAILS ARE ENCOUNTERED, NOTIFY THE ARCHITECT & ENGINEER FOR CLARIFICATION IN A TIMELY MANNER PRIOR TO BID OPENING.
- FINISHED FLOOR ELEVATION = 100'-0" IS THE REFERENCE DATUM FOR STRUCTURAL DRAWINGS.
- ALL INTERIOR AND NON LOAD BEARING STUD WALLS SHALL BE 2x METAL STUDS STUDS AT 16" O.C. EXCEPT AS NOTED ON PLANS. SEE ARCH FOR ADD'L INFO.

COLE
ARCHITECTS

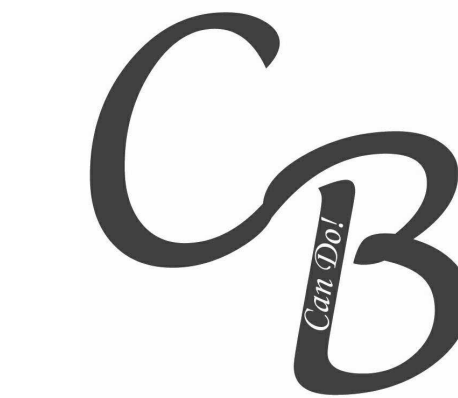
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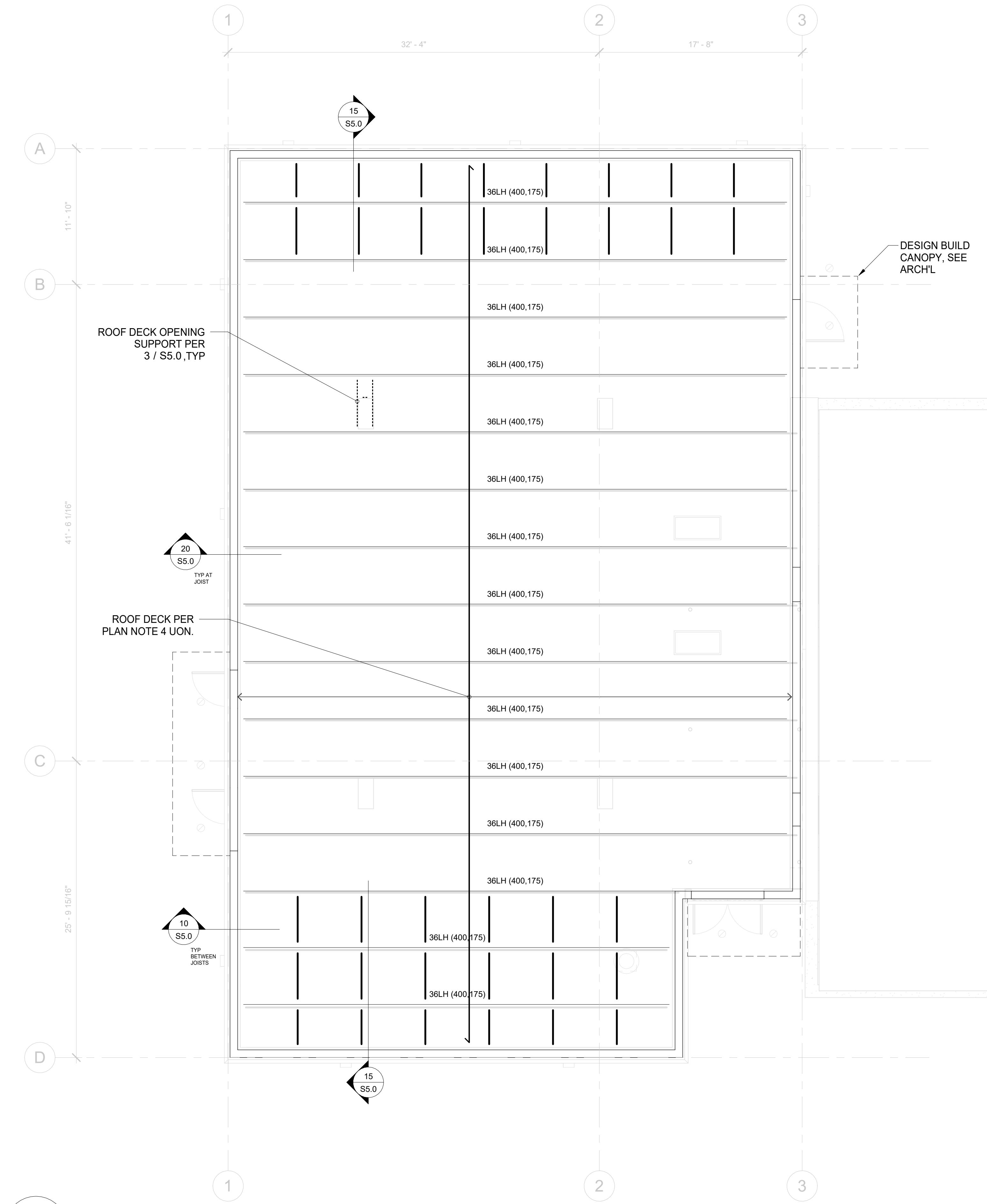
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SHEET NAME

FOUNDATION PLAN

SHEET NUMBER

S2.0



1 3-ROOF FRAMING PLAN
3/16" = 1'-0"

- GENERAL FRAMING NOTES**
- DETAILS ON THESE PLANS ARE INTENDED TO DEPICT THE GENERAL CONSTRUCTION METHODS FOR THIS STRUCTURE. CONNECTIONS, DETAILS AND CONDITIONS NOT SPECIFICALLY SHOWN THAT ARE SIMILAR TO THOSE THAT ARE SPECIFIED SHALL BE ASSUMED ONE AND THE SAME. IF QUESTIONS REGARDING THE APPLICATION OF DETAILS ARE ENCOUNTERED, NOTIFY THE ARCHITECT/ENGINEER FOR CLARIFICATION IN A TIMELY MANNER PRIOR TO BID OPENING.
 - SEE ARCH'L DRAWINGS FOR AREAS REQUIRING BUILT-UP INSULATION FOR DRAINAGE. PROVIDE STRAIGHT SLOPES BETWEEN ELEVATIONS. INTERMEDIATE ELEVATIONS SHALL BE LINEARLY INTERPOLATED
 - CONTRACTOR SHALL COORDINATE WEIGHTS & LOCATIONS OF MECH. UNITS, DUCTS,... ETC W/ TRUSS MANUFACTURER.
 - ROOF DECK SHALL BE 1-1/2" PER 5 / S5.0
 - TYPICAL INTERIOR NON-BEARING HEADER SIZES SHALL BE AS FOLLOWS:
FOR ALL INTERIOR OPENINGS < 6'-0"
(2) 2x8 DF#2 STITCH NAILED TOGETHER
FOR ALL INTERIOR OPENINGS FOR 6'-0" ≤ L < 8'-0"
(2) 2x10 DF#2 STITCH NAILED TOGETHER
FOR ALL INTERIOR OPENINGS WHERE 8'-0" ≤ L ≤ 12'-0"
(2) 2x12 DF#1 STITCH NAILED TOGETHER

LEGEND:

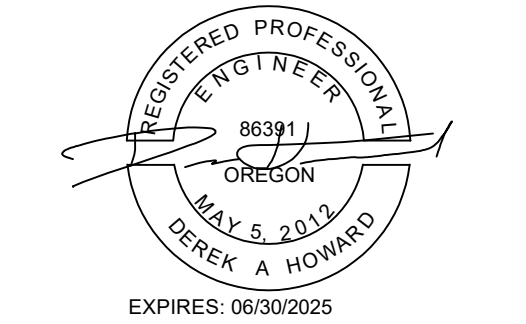
→ SPAN DIRECTION OF FRAMING MEMBERS

XXLH (xxx,xxx) JOIST DEPTH, JOIST TYPE (TOTAL LOAD, LIVE LOAD) ACTUAL WEIGHTS DETERMINED BY JOIST MANUFACTURER. SEE GENERAL STRUCTURAL NOTE 35 AND PLAN NOTE 17 FOR ADDITIONAL REQUIREMENTS.



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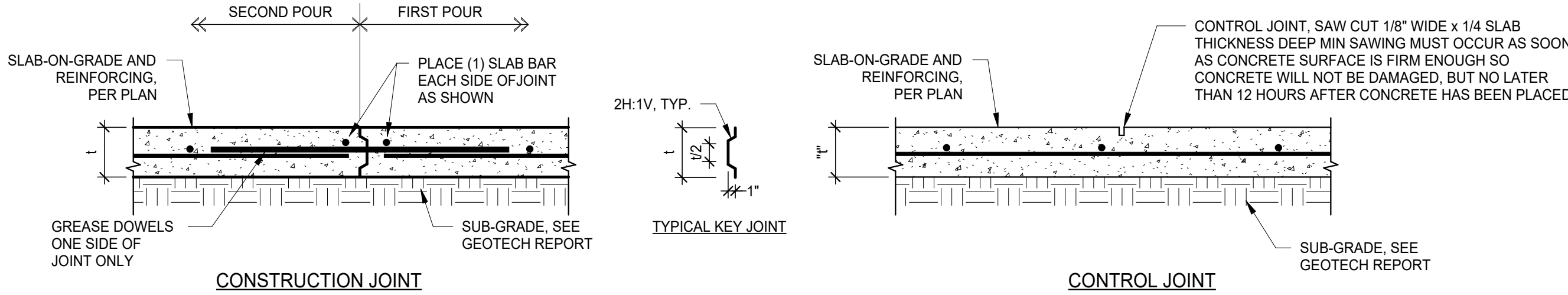
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SHEET NAME

**ROOF FRAMING
PLAN**

SHEET NUMBER

S2.1



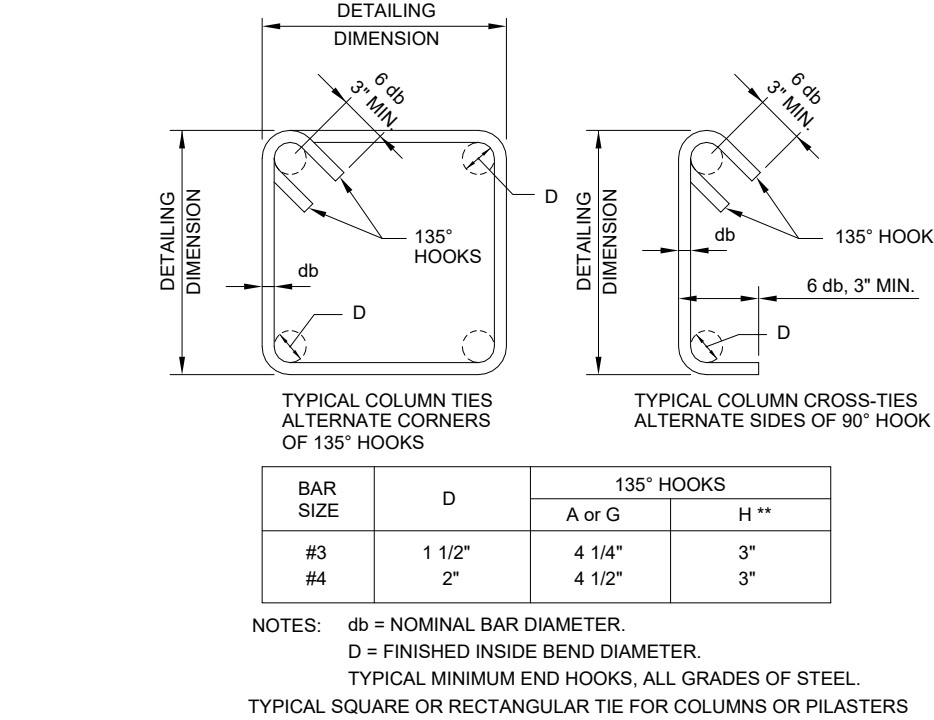
- NOTES:
1. ANY JOINT MAY BE A CONTROL JOINT OR A CONSTRUCTION JOING, AT CONTRACTORS OPTION.
 2. CONTRACTOR TO SUBMIT CONSTRUCTION/ CONTROL JOINT PLAN TO STRUCTURAL ENGINEER OF RECORD FOR REVIEW/ APPROVAL.
 3. ALIGN A CONSTRUCTION/ CONTROL JOINT WITH RE-ENTRANT CORNERS, EACH WAY, TYPICAL.
 4. CONSTRUCTION/ CONTROL JOINTS SHALL DIVIDE SLAB INTO RECTANGULAR AREAS 225 SQUARE FEET OR LESS WITH A MAX ASPECT RATIO OF 1.3 TO 1.0.
 5. FILL JOINTS FULL DEPTH WITH SEMI-RIGID OR POLYUREA FILLER AND SHAVE FLUSH AFTER CURING. FILLER SHALL BE COMPATIBLE WITH FINAL FLOOR FINISH
 6. CONTRACTOR TO COMPLY WITH ACI302.1R04, ACI360R-06 AND ACI DETAILING MATERIAL (SP66)

SLAB DEPTH (t)	DOWEL SIZE	SPACING
4"	NOT REQUIRED	-
6 - 8"	1" DIA x 16"	12"
8"+	1 1/4" DIA x 18"	12"

SLAB DEPTH	MAXIMUN CONTROL JOINT SPACING
SLAB-ON-GRADE, UNLESS NOTED	
4"	12'-0"
6"	14'-0"
EXPOSED ARCHITECTURAL SLAB	
4"	8'-0"
6"	12'-0"

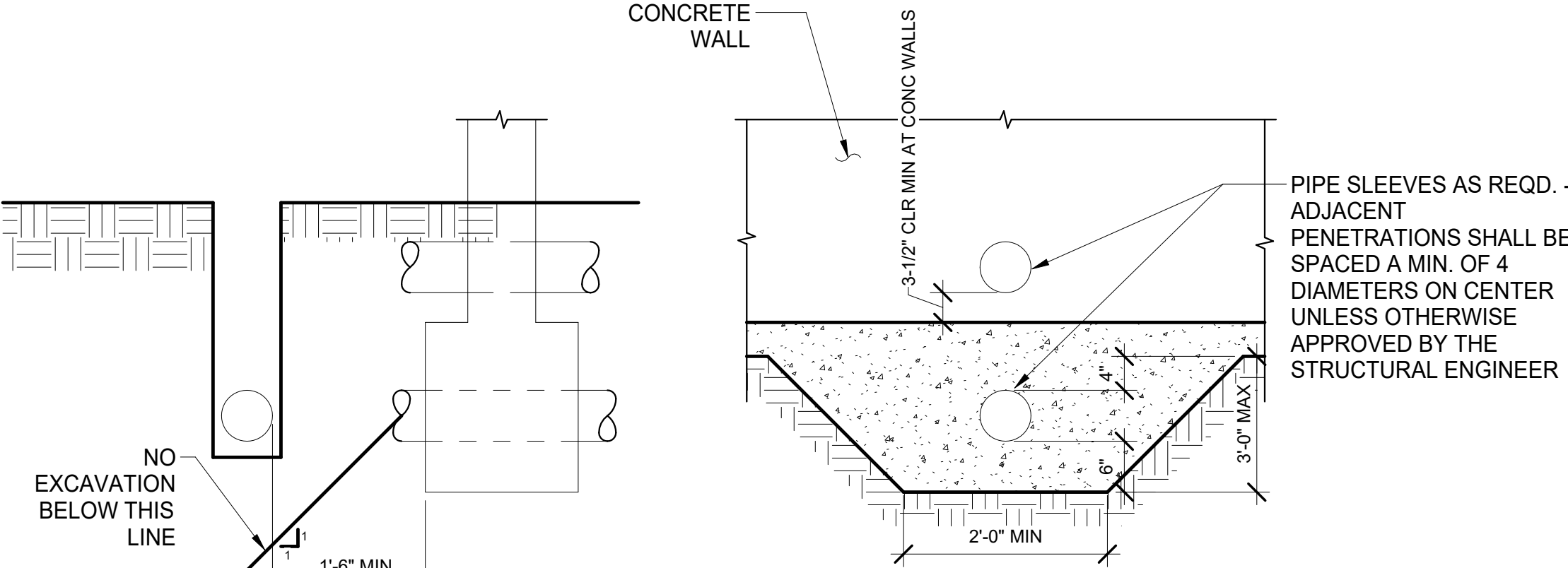
CONSTRUCTION/ CONTROL JOINT

5



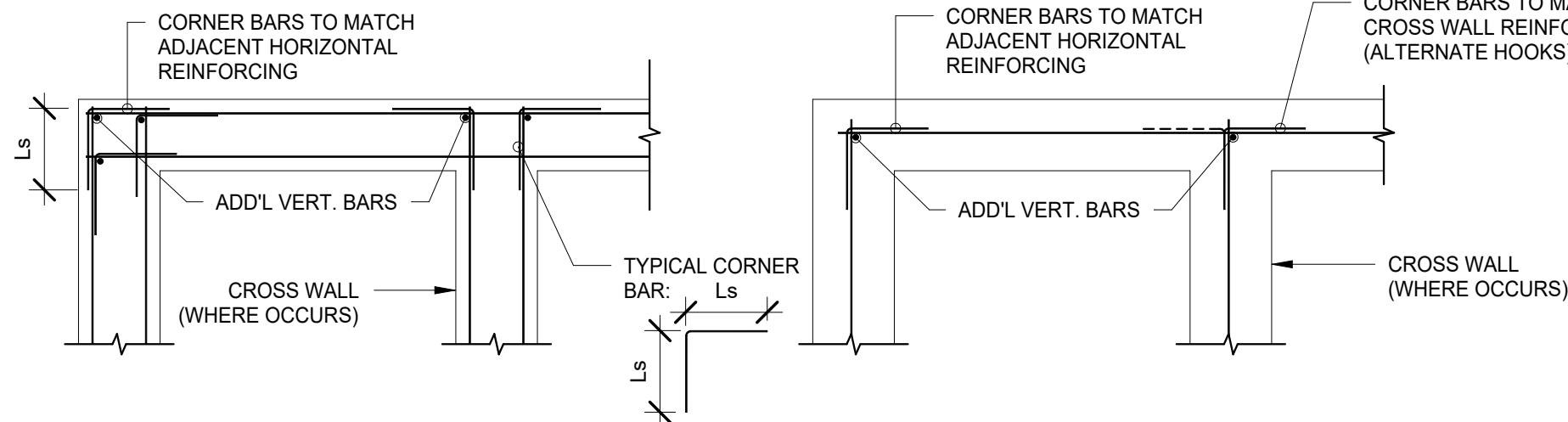
REINFORCEMENT STIRRUP/ TIE REQUIREMENTS

2



FOUNDATION PIPING

8



TYPICAL CONCRETE WALL INTERSECTION

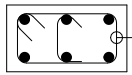
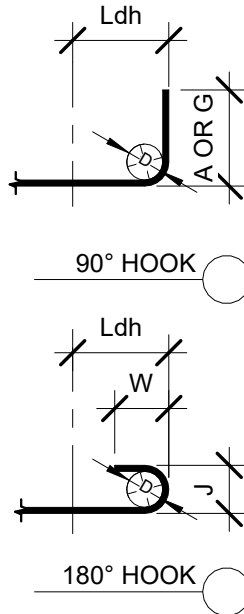
10

MINIMUM LAP SPLICE LENGTH FOR BARS IN TENSION (L_s) - CLASS B							
BAR SIZE	CRITICAL SPACING (NOTE C)	CRITICAL COVER (NOTE D)	f'_c = 3000 PSI		f'_c = 4000, 4500 PSI		f'_c = 5000 PSI
			TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS
#3	3"	3/4"	28"	22"	25"	19"	22"
#4	4"	1"	38"	29"	33"	25"	29"
#5	5"	1 1/4"	47"	36"	41"	31"	36"
#6	6"	1 1/2"	56"	43"	49"	37"	44"
#7	7"	1 3/4"	81"	63"	71"	54"	63"
#8	8"	2"	93"	72"	81"	62"	72"
#9	11 1/4"	2 1/4"	105"	81"	91"	70"	81"
#10	12 3/4"	2 1/2"	118"	91"	102"	79"	92"
#11	14 1/4"	2 7/8"	131"	101"	114"	87"	102"

MINIMUM EMBEDMENT LENGTHS FOR STANDARD END HOOKS (L_{eh})						
BAR SIZE	BEND DIA, D	90° HOOK A OR G	180° HOOK W (APPROX)		f'_c = 3000 PSI ALL BARS	f'_c = 4000-5000 PSI ALL BARS
			J			
#3	2 1/4"	6"	4"	3"	6"	6"
#4	3"	8"	4 1/2"	4"	8"	7"
#5	3 3/4"	10"	5 1/2"	5"	10"	9"
#6	4 1/2"	12"	6"	6"	12"	10"
#7	5 1/4"	14"	7"	7"	14"	12"
#8	6"	16"	8"	8"	16"	14"
#9	9"	19"	10 3/8"	11 3/4"	18"	15"
#10	10 1/4"	21 1/2"	11 1/2"	12 3/4"	20"	17"
#11	11 1/2"	24"	12 3/4"	14 1/8"	22"	19"

- NOTES:
1. SCHEDULES APPLY TO NORMAL WEIGHT CONCRETE AND PLAIN (UNCOATED) GRADE 60 DEFORMED REINFORCING. REFER TO ACI 318 CHAPTER 25 FOR OTHER SITUATIONS.
 2. "TOP BARS" ARE HORIZ BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM.
 3. WHERE CENTER-TO-CENTER SPACING OF REINFORCING (S ACTUAL) IS LESS THAN THE CRITICAL SPACING PROVIDED IN THE SCHEDULE (S CRITICAL), THE TABULATED VALUES SHALL BE MULTIPLIED BY A FACTOR OF (S CRITICAL / S ACTUAL).
 4. WHERE THE CLEAR COVER OVER REINFORCING PROVIDED (Cc ACTUAL) IS LESS THAN THE CRITICAL CLEAR COVER PROVIDED IN THE SCHEDULES (Cc CRITICAL), THE TABULATED VALUES MUST BE MULTIPLIED BY A FACTOR OF (Cc CRITICAL + 1/2 ϕ_b) / (Cc ACTUAL + 1/2 ϕ_b), WHERE ϕ_b IS THE DIAMETER OF THE REINFORCING BAR BEING DEVELOPED.
 5. WHERE BOTH THE CENTER-TO-CENTER SPACING PROVIDED AND THE CLEAR COVER PROVIDED IS LESS THAN THE CRITICAL SPACING AND CRITICAL CLEAR COVER PER THE SCHEDULE, RESPECTIVELY, THE MINIMUM TABULATED VALUES MUST BE MULTIPLIED BY THE LARGER FACTOR FROM NOTES (C) AND (D) ABOVE AND NEED NOT BE MULTIPLIED BY BOTH FACTORS.
 6. WHERE BARS OF DIFFERENT SIZE ARE LAP SPICED, THE SPLICE LENGTH PROVIDED SHALL BE THE LARGER OF: THE DEVELOPMENT LENGTH OF THE LARGER BAR AND THE LAP SPLICE LENGTH OF THE SHORTER BAR.
 7. STD HOOK DEVELOPMENT LENGTHS SHALL HAVE SIDE COVER (NORMAL TO THE PLAN OF THE HOOK) OF NOT LESS THAN 2-1/2", AND COVER ON THE BAR EXTENSION BEYOND THE HOOK OF NOT LESS THAN 2" FOR 90° HOOKS.
 8. CLASS B - MORE THAN HALF OF THE BARS ARE SPLICED WITHIN A REQUIRED LAP LENGTH. CLASS A - LAP SPLICES MAY BE USED WHERE LESS THAN HALF OF THE BARS ARE SPLICED WITHIN A REQUIRED LAP LENGTH BY DIVIDING THE CLASS B LENGTH BY A FACTOR OF 1.3.

MINIMUM STRAIGHT DEVELOPMENT LENGTH FOR BARS IN TENSION (L_d)						
BAR SIZE	CRITICAL SPACING (NOTE C)	CRITICAL COVER (NOTE D)	f'_c = 3000 PSI		f'_c = 4000, 4500 PSI	
			TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	3"	3/4"	22"	17"	19"	15"
#4	4"	1"	29"	22"	25"	19"
#5	5"	1 1/4"	36"	28"	31"	24"
#6	6"	1 1/2"	43"	33"	37"	29"
#7	7"	1 3/4"	63"	48"	54"	42"
#8	8"	2"	72"	55"	62"	48"
#9	11 1/4"	2 1/4"	81"	62"	70"	54"
#10	12 3/4"	2 1/2"	91"	70"	79"	61"
#11	14 1/4"	2 7/8"	101"	78"	87"	67"



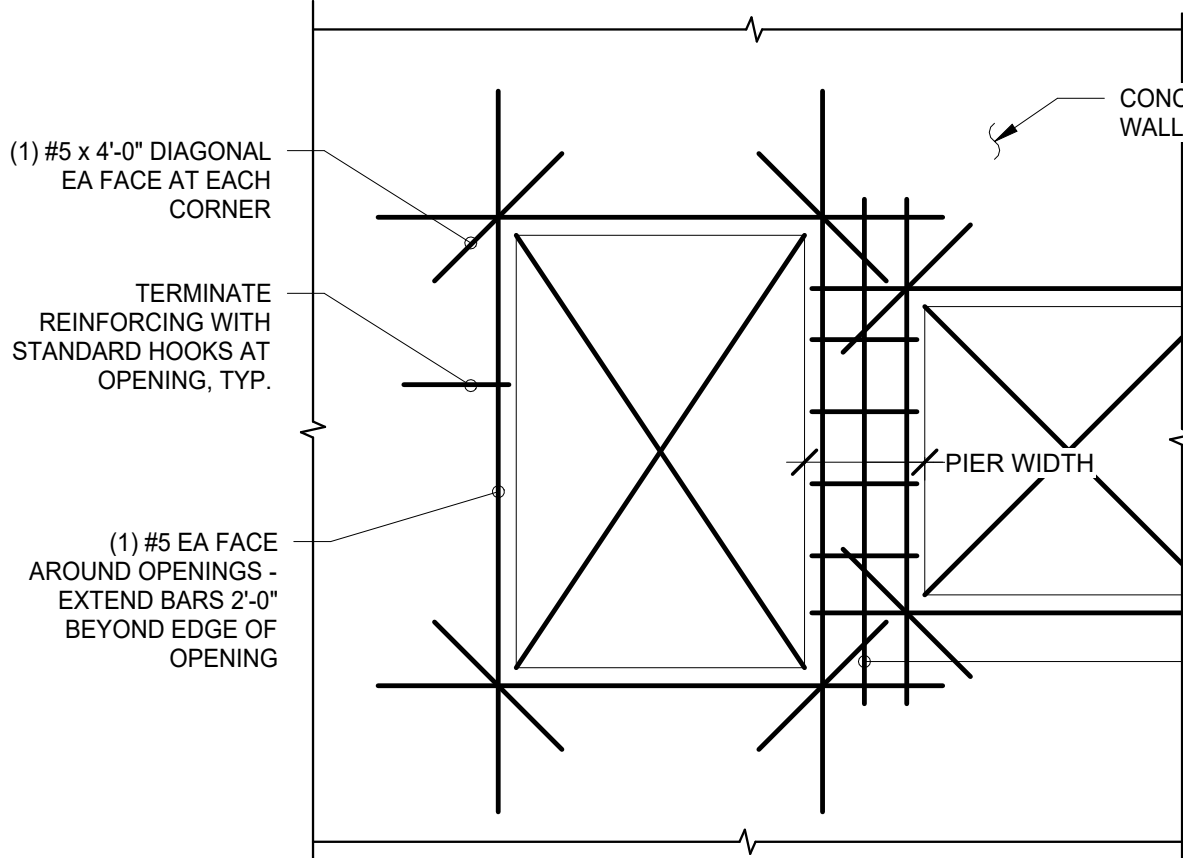
#3 TIES AND CROSS TIES @ 10" oc (WHEN PIER WIDTH EXCEEDS 24" USE NORMAL HORIZ. REINFORCING

PIER SECTION

NOTES

1. REINFORCING SHOWN IS MINIMUM. SEE PLANS AND WALL ELEVATIONS FOR ADDITIONAL REQUIRED REINFORCING.
2. FOR WALLS THICKER THAN 8" USE #6 BARS IN LIEU OF #5 BARS SHOWN.

(1) #5 EA FACE AT CENTERLINE OF PIER (OMIT AT PIERS 12" OR LESS IN WIDTH)



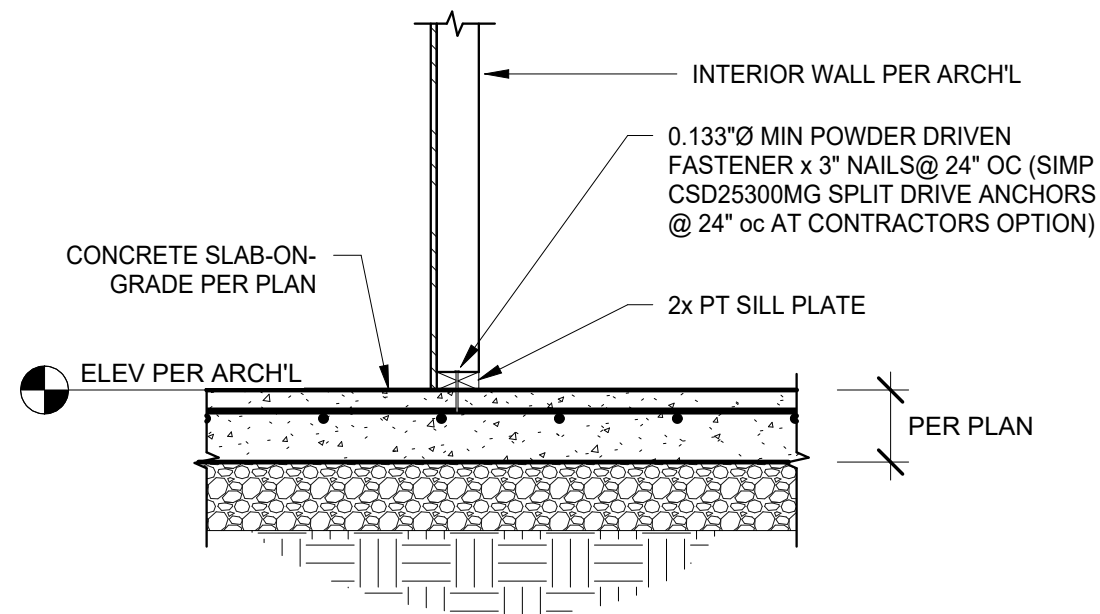
WALL OPENING TRIM

17

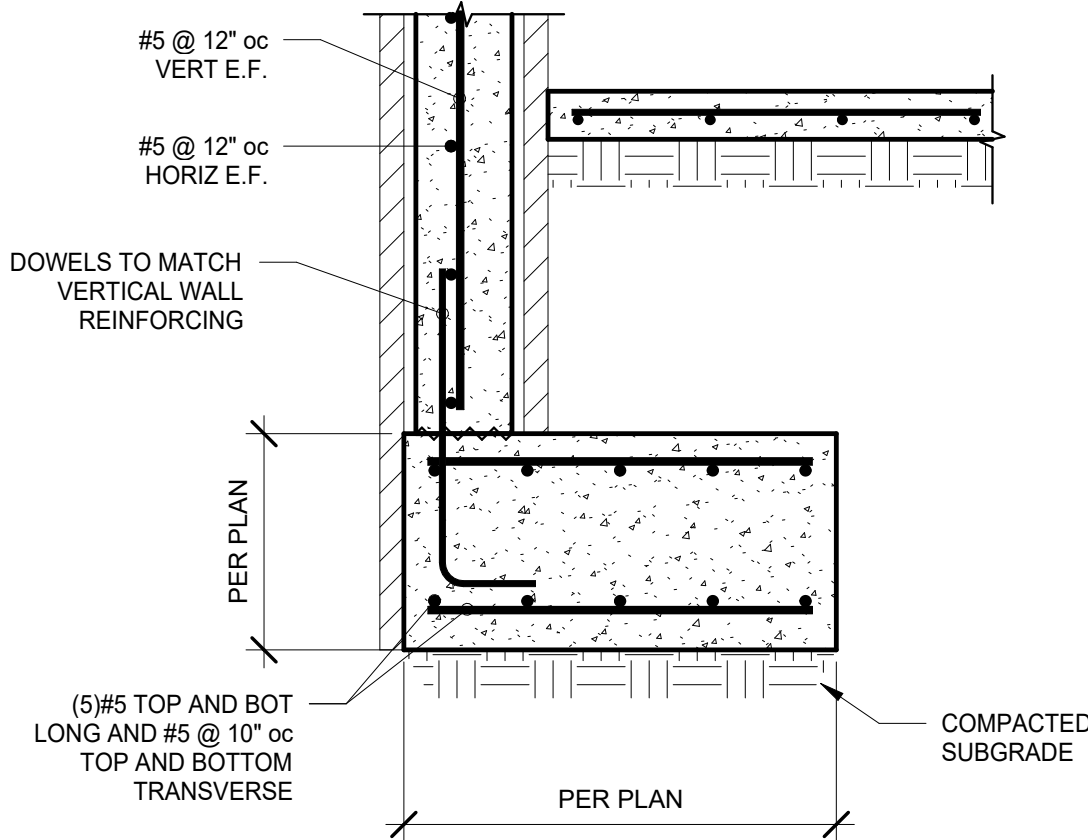
REINFORCEMENT SPLICE & DEVELOPMENT LENGTH SCHEDULE (GR. 60)

20

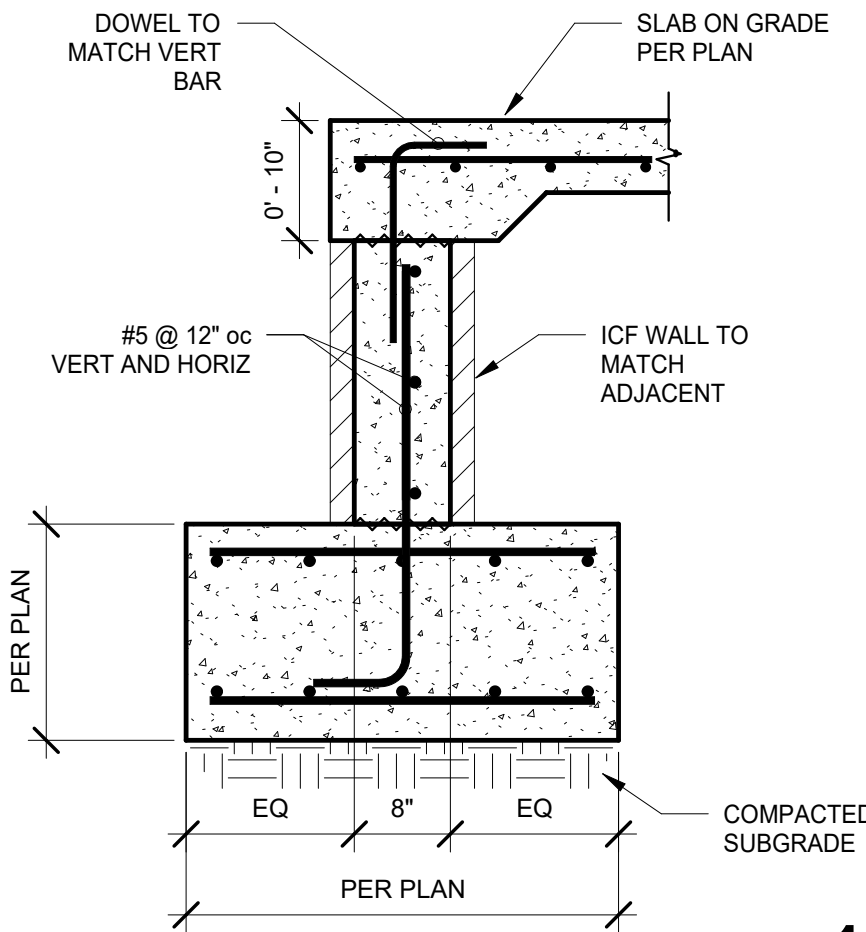
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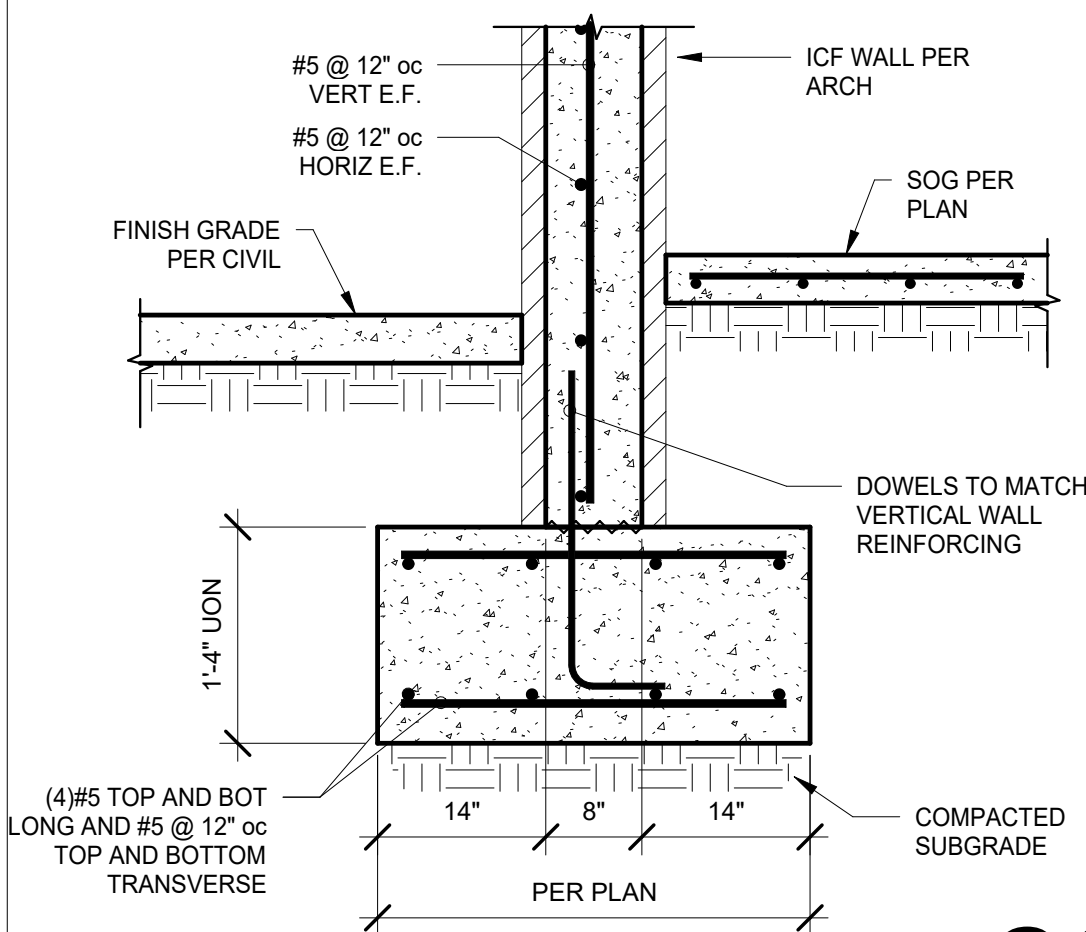
NON-BEARING WALL FOUNDATION CONNECTION



FOUNDATION SECTION - WEST



FOUNDATION SECTION - AT DOOR

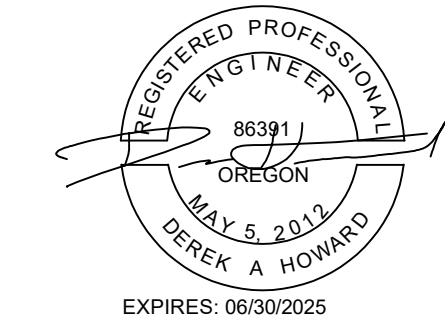


FOUNDATION SECTION - TYPICAL



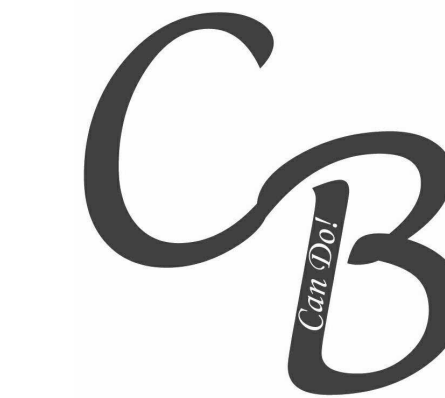
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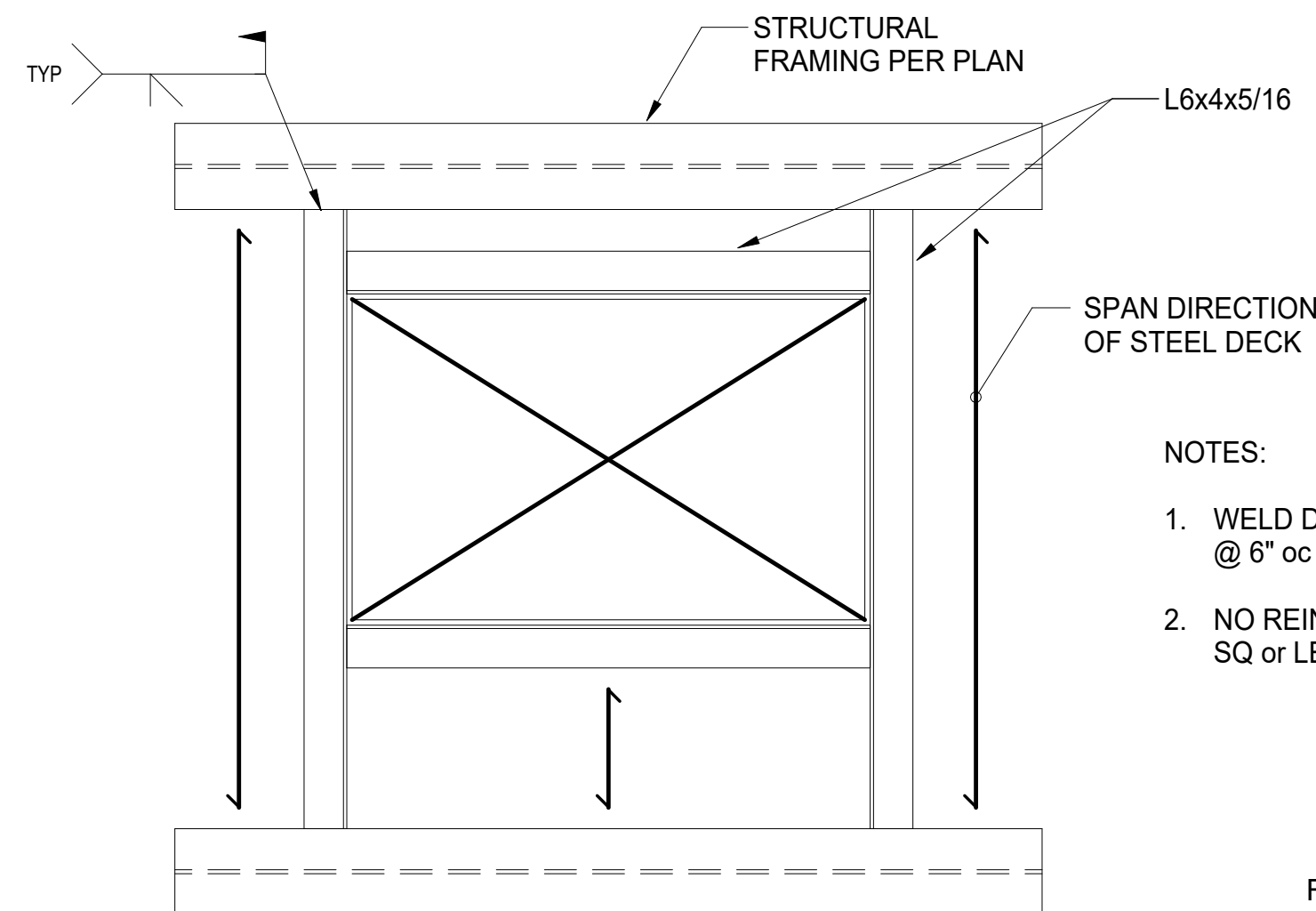
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SHEET NAME

FOUNDATION
DETAILS

SHEET NUMBER

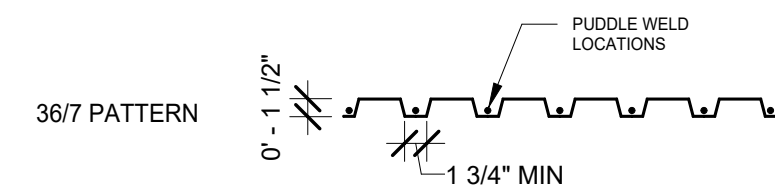
S3.1



NOTES:

1. WELD DECK TO ANGLES W/ 1/2" DIA PUDDLE WELDS @ 6" oc ALL AROUND OPENING.
2. NO REINF. REQ'D FOR SINGLE OPENINGS 6" DIA or 6" SQ or LESS

REINFORCING AT DECK OPENINGS



ASC DGB-36 OR VERC0 PLB-36, G60
GALVANIZED W/ FOLLOWING MIN. PROPERTIES:

Fy = 38 ksi, PANEL WIDTH = 36"

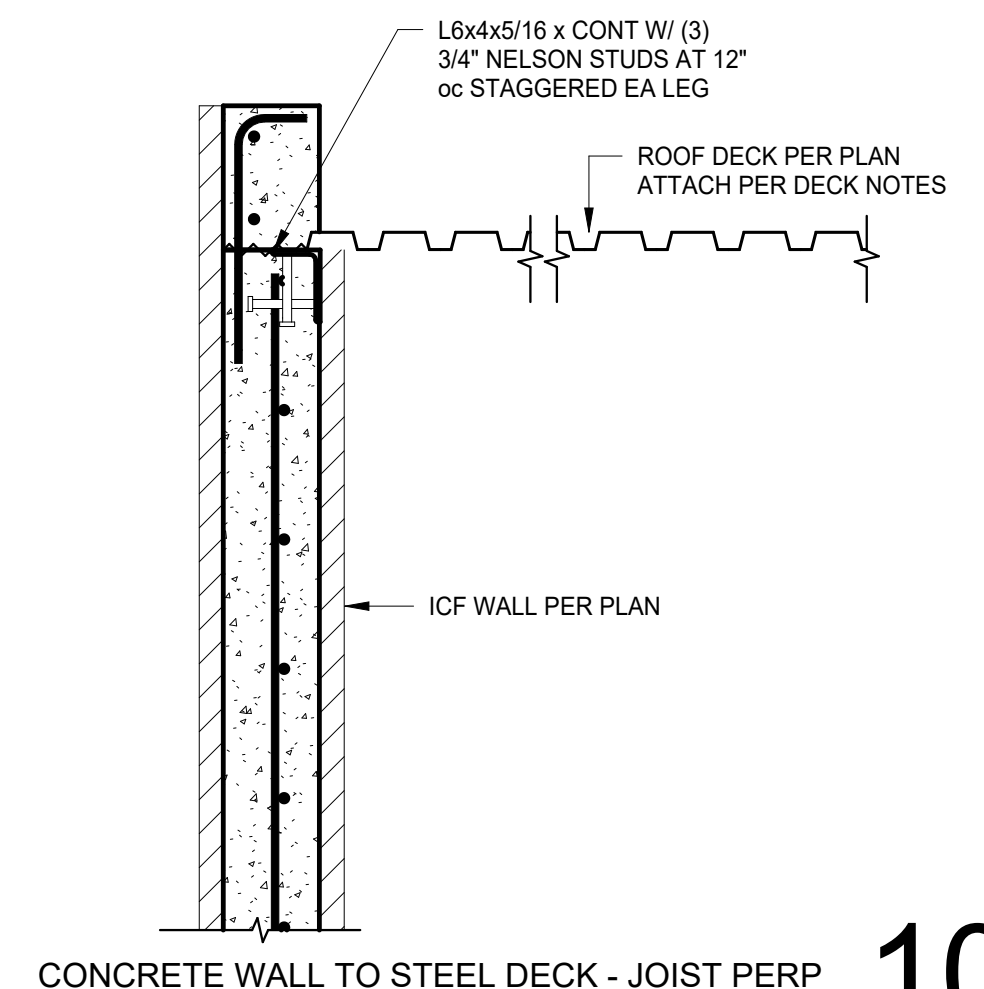
ALLOWABLE SHEAR CAPACITY REQUIRED = 1024 PLF

20GA.	18GA.	16GA.
$I_e = +0.207 / -0.231 \text{ in}^4$	$I_e = +0.30 / -0.306 \text{ in}^4$	$I_e = +0.381 \text{ in}^4$
$S_e = +0.23 / -0.237 \text{ in}^3$	$S_e = +0.314 / -0.329 \text{ in}^3$	$S_e = +0.397 / -0.404 \text{ in}^3$

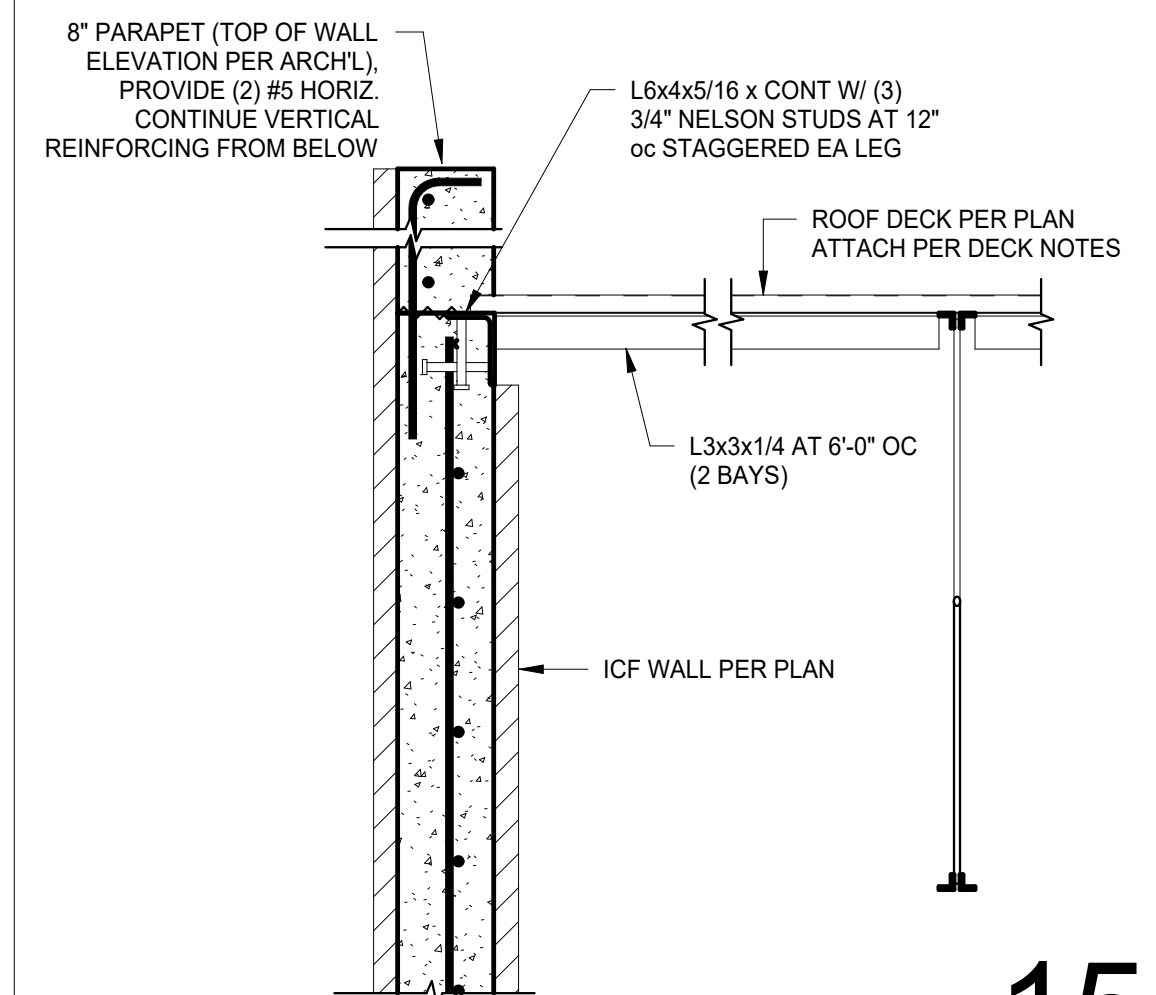
	<u>20 GA.</u>	<u>18 GA.</u>	<u>16 GA.</u>
MAX SINGLE SPAN	7'-0"	8'-0"	8'-6"
MAX DOUBLE/ TRIPLE SPAN CONDITION	9'-0"	10'-0"	10'-6"

1. USE GAGE OF DECK NOTED, U.O.N
2. DECK ATTACHMENTS AT SUPPORTS PERPENDICULAR TO DECK FLUTES: (7) 1/2" ϕ EFFECTIVE PUDDLE WELDS PER SHEET AT SUPPORTS
3. DECK ATTACHMENTS AT SUPPORTS PARALLEL TO DECK FLUTES: 1/2" ϕ EFFECTIVE PUDDLE WELDS @ 24" OC AT SUPPORTS
4. CONNECT SEAMS @ 12" OC WITH VERCO PUNCHLOCK SYSTEM OR DELTAGRIP SYSTEM FOR ASC DECK.

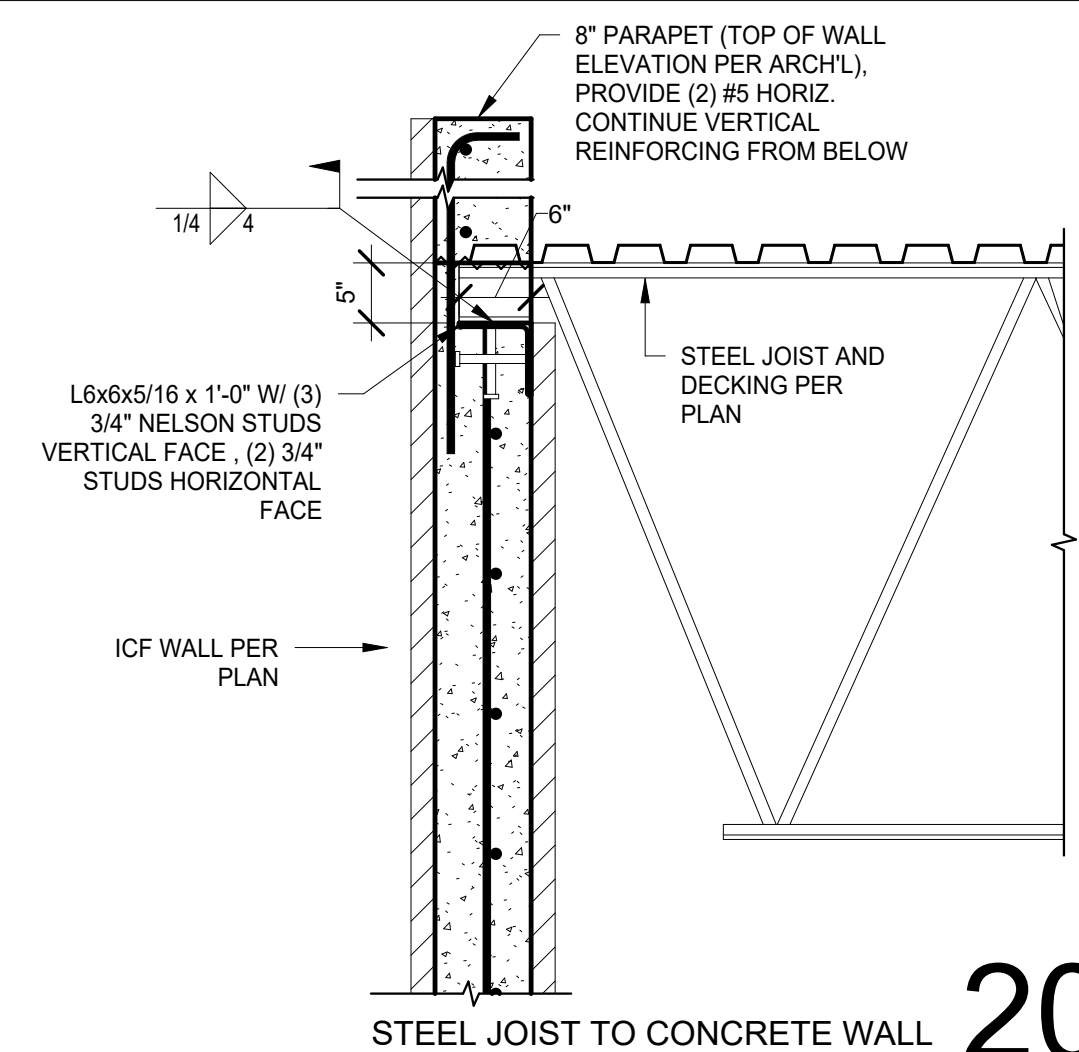
STEEL ROOF DECK



CONCRETE WALL TO STEEL DECK - JOIST PERP



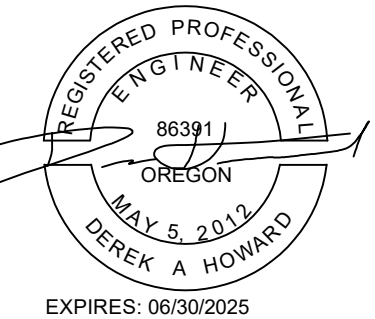
CONCRETE WALL TO STEEL DECK - JOIST PARALLEL



STEEL JOIST TO CONCRETE WALL



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STAMP

BIDDERS ARE INSTRUCTED TO CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS AND THE SITE CONDITIONS. INFORMATION REGARDING THE COMPLETE WORK OF SPECIFIC TRADES IS DISPERSED THROUGHOUT THE ENTIRE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED BY REFERENCE TO OTHER THAN COMPLETE

CONSULTANT



PROJECT INFORMATION

**BAKER EMERGENCY
OPERATIONS
CENTER**

4410 K ST. BAKER CITY, OR 97814

ISSUES

PHASE BID DOCUMENT

DATE	2025.04.2
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JOB NUMBER 90-00

MARK	DATE	DESCRIPTION
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SHEET NAME

STEEL FRAMING DETAILS

SHEET NUMBER

S5.0

GENERAL NOTES

1. MATERIALS, METHODS, AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION OF THE FOLLOWING CODES AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION.
- 2022 OREGON STRUCTURAL SPECIALTY CODE (OSSC)
2022 OREGON MECHANICAL SPECIALTY CODE (OMSC)
2023 OREGON PLUMBING SPECIALTY CODE (OPSC)
2022 OREGON FIRE CODE (OFC)
2021 OREGON ENERGY EFFICIENCY SPECIALTY CODE (OEESC)
2. THE SCOPE OF THE MECHANICAL WORK CONSISTS OF WORK SHOWN ON THE PLANS AND AS DESCRIBED IN THE SPECIFICATIONS. IN CASE OF CONFLICT, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN. PROVIDE A COMPLETE & FUNCTIONAL SYSTEM.
3. PERFORM ALL WORK IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND PAY FOR ALL FEES REQUIRED BY AUTHORITIES HAVING JURISDICTION. PAY ALL ROYALTIES OR FEES REQUIRED IN CONNECTION WITH THE USE OF PATENTED DEVICES AND SYSTEMS.
4. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR GENERAL CONSTRUCTION INCLUDING LOUVERS, CONCRETE EQUIPMENT PADS, FLASHING DETAILS, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR ROOM ELEVATIONS, LOCATE MECHANICAL DEVICES SUCH AS TEMPERATURE SENSORS, HUMIDISTATS, PANELS, ETC. SO THAT THEY DO NOT CONFLICT WITH GENERAL CONSTRUCTION (WAINSCOT, DOOR HARDWARE, ETC.) NOR WITH ELECTRICAL SYSTEM (LIGHT SWITCHES, SPEAKERS, OUTLETS, ETC.).
5. COORDINATE WITH OTHER TRADES:
- A. REFER TO ELECTRICAL DRAWINGS AND CONFIRM ELECTRICAL CHARACTERISTICS SHOWN FOR MECHANICAL EQUIPMENT (VOLTAGE, PHASE, HZ, ETC) MATCHES THAT OF THE MECHANICAL EQUIPMENT PROVIDED.
- B. PROVIDE ADEQUATE CLEARANCE OF MECHANICAL WORK FROM ELECTRICAL EQUIPMENT. MAINTAIN MINIMUM ACCESS OF 6-INCHES ABOVE CABLE TRAYS AND 18-INCHES TO THE SIDE OF CABLE TRAYS.
6. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND ACCEPTED SUBMITTALS. INSTALL MATERIAL IN PROPER RELATION TO ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE FOR EXPOSED WORK.
7. THOROUGHLY EXAMINE ALL AREAS WHERE EQUIPMENT, DUCTWORK, AND PIPING WILL BE INSTALLED AND REPORT ANY CONDITION THAT PREVENTS THE PROPER INSTALLATION OF THE MECHANICAL WORK.
8. THE COMMISSIONING SPECIFICATION, INCLUDING ALL FUNCTIONAL TEST PROCEDURES, SHALL BE PROVIDED AND ENFORCED BY THE CONTRACTOR.
9. PROVIDE A SINGLE SUBMITTAL OF ALL MECHANICAL EQUIPMENT AS SPECIFIED. AS A MINIMUM, SUBMIT PRODUCT DATA FOR ALL EQUIPMENT AND FIXTURES LISTED IN ACCOMPANYING SCHEDULES FOR APPROVAL.
10. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
11. ARRANGE EQUIPMENT SO THAT ACCESS CLEARANCES INDICATED BY DRAWINGS, REQUIRED BY CODES, AND RECOMMENDED BY THE MANUFACTURER ARE MAINTAINED. EQUIPMENT LOCATIONS SHALL BE DETERMINED ON FIELD MEASUREMENTS TO AVOID INSTALLATION ABOVE IMMOVABLE FURNITURE. SITE CONDITIONS SHALL DETERMINE THE ACTUAL ARRANGEMENT OF THE WORK. TAKE FIELD MEASUREMENTS BEFORE PREPARING SHOP DRAWINGS, OBTAIN APPROVAL OF SHOP DRAWINGS BEFORE BEGINNING FABRICATION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF DIMENSIONS AND LAYOUT. OVERHEAD PIPING AND DUCTWORK SHALL BE ARRANGED TO OBTAIN MAXIMUM HEAD ROOM.
12. ALL EXPOSED HORIZONTAL AND VERTICAL PIPING SHALL BE INSTALLED IN A NEAT ARRANGEMENT IN LOCATIONS WHICH ARE THE MOST INCONSPICUOUS. VERTICAL DROPS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND THEIR FINAL LOCATIONS SHALL BE COORDINATED AND RUN WITHIN CHASES, WALLS, OR SOFFITS WITH OTHER PLUMBING AND ELECTRICAL FEEDS. MECHANICAL CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR CHASE AND SOFFIT LOCATIONS TO COORDINATE ALL EXPOSED PIPING ROUTING. ALL SUCH LOCATIONS SHALL BE REVIEWED WITH ARCHITECT/ENGINEER PRIOR TO INSTALLATION.
13. UPON CONTRACT AWARD, CONTRACTOR SHALL CONTACT LOCAL UTILITY COMPANY TO SCHEDULE UTILITY CONNECTIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL UTILITY WORK, SECURE ALL PERMITS AND INSPECTIONS.
14. CLEAN AND PROTECT WORK FROM DAMAGE. RESTORE DAMAGED FINISHES. COVER ENDS OF PIPING AND DUCTWORK NOT ACTIVELY BEING WORKED ON.
15. MODIFY AND EXTEND EXISTING SERVICE TO ACCOMMODATE NEW WORK. RELOCATE EXISTING COMPONENTS AS REQUIRED FOR THE NEW SYSTEM. COORDINATE WITH BUILDING MANAGEMENT.
16. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS, WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
17. DO NOT CUT STRUCTURAL ELEMENTS WITHOUT PRIOR WRITTEN APPROVAL.
18. CONCEAL PIPING AND DUCTWORK TO THE GREATEST EXTENT POSSIBLE.
19. INSTRUCT OWNER IN PROPER OPERATION OF SYSTEMS.
20. FOR CLARITY, DRAWINGS ARE DIAGRAMATIC IN NATURE AND MAY HAVE TO BE ADAPTED TO COMPLY WITH BUILDING CONDITIONS. MAKE OFFSETS WITH FITTINGS USING THE LEAST ANGLE OF OFFSET POSSIBLE. DUCTWORK & PIPING SHALL BE ROUTED TO AVOID ALL STRUCTURAL SUPPORTS AND COORDINATED WITH WORK OF OTHER TRADES.
21. ALL DEVICES THAT UTILIZE ELECTRICITY SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT DISABLING THE FUNCTION OF A FIRE-RESISTANCE-RATED ASSEMBLY OR REMOVING PERMANENT CONSTRUCTION, OTHER APPLIANCES, VENTING SYSTEMS OR ANY OTHER PIPING OR DUCTS NOT CONNECTED TO THE APPLIANCE BEING INSPECTED, SERVICED, REPAIRED OR REPLACED. A LEVEL WORKING SPACE NOT LESS THAN 30 INCHES DEEP AND 30 INCHES WIDE SHALL BE PROVIDED IN FRONT OF THE CONTROL SIDE TO SERVICE AN APPLIANCE.
22. CHANGES OR SUBSTITUTIONS OF EQUIPMENT WILL NOT BE ALLOWED WITHOUT SPECIFIC WRITTEN APPROVAL FROM THE ARCHITECT OR ENGINEER. ALL COSTS RESULTING FROM THE SELECTION OF OTHER THAN SPECIFIED EQUIPMENT SHALL BE BORNE BY THE CONTRACTOR, INCLUDING, BUT NOT LIMITED TO WORK AFFECTING OTHER CONTRACTORS, THE OWNER, AND RE-DESIGN FEES.
23. ALL INDICATED WORK SHALL BE PERFORMED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
24. CONTRACTOR IS RESPONSIBLE FOR THE PROPER CARE OF ALL OWNER'S EQUIPMENT AND/OR FURNISHINGS WHICH ARE REQUIRED TO BE TEMPORARILY REMOVED, STORED, OR RELOCATED. CONTRACTOR SHALL REPLACE, REPAIR, OR REIMBURSE OWNER FOR ALL DAMAGES TO SUCH PROPERTIES AT FULL REPLACEMENT VALUE AND EQUIVALENCY. CONTRACTOR SHALL ADVISE OWNER FOR DISPOSITION OF REMOVED EQUIPMENT AND/OR MATERIALS.
25. CONTRACTOR'S WORK MAY BE REQUIRED OUTSIDE OF THE DESIGNATED SPACE. ALL SYSTEMS BEING DEMOLISHED AND REMOVED, MODIFIED, AND/OR TERMINATED SHALL BE FIELD VERIFIED TO ENSURE NO WORK PERFORMED, INSIDE OR OUTSIDE OF THE DESIGNATED SPACE, SHALL DISRUPT ANY SERVICE OR SYSTEMS OF ANY OTHER AREAS. IF ANY CONDITIONS ARISE THAT ARE NOT IDENTIFIED ON THE DRAWINGS, IMMEDIATE NOTIFICATION SHALL BE PROVIDED TO THE ENGINEER AND OWNER. NO WORK SHALL PROCEED WITHOUT APPROVALS FROM OWNER.
26. THE MECHANICAL CONTRACTOR SHALL MOUNT REQUIRED DUCT SMOKE DETECTORS SUPPLIED AND WIRED BY THE ELECTRICAL CONTRACTOR.
27. ALL PENETRATIONS THRU FIRE RATED WALLS, FLOORS, AND CEILINGS THAT ARE NOT PROTECTED BY A LIFE SAFETY DAMPER SHALL BE SEALED WITH A UL APPROVED FIRESTOP MATERIAL SUITABLE FOR CONSTRUCTION MATERIAL TO MAINTAIN FIRE, SMOKE AND DRAFT INTEGRITY OF STRUCTURE. FIRE RESISTANT SEALER SHALL BE TESTED IN ACCORDANCE WITH ASTM E84. INSTALL SEALANT, INCLUDING FOAMING, PACKING AND OTHER ACCESSORY MATERIALS TO FILL OPENINGS WHERE FIRE-RATED PENETRATIONS OCCUR. COMPLY WITH INSTALLATION REQUIREMENTS ESTABLISHED BY TESTERS AND INSPECTION AGENCY.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER HANDLING, DISPOSAL AND ASSOCIATED COSTS OF ALL REFRIGERANT MATERIAL DURING THIS CONTRACT IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES AND/OR REGULATIONS.
29. THERMOSTATS SHALL BE MOUNTED AT 48" AFF TO MEET ADA REQUIREMENTS. PROVIDE TAMPER PROOF COVERS IN PUBLIC AREAS AND WIRE GUARDS IN GYMNASIUMS.
30. ALL DUCTWORK SHALL BE CONNECTED TO MOTORIZED EQUIPMENT WITH FLEXIBLE DUCT CONNECTORS.
31. ALL DUCTWORK SIZES SHOWN ON DRAWINGS ARE CLEAR INTERNAL DIMENSIONS.
32. FURNISH AND INSTALL PIPE SLEEVES PASSING THROUGH EXTERIOR WALLS. SLEEVES SHALL BE STEEL PIPE: ASTM A53, TYPE E, GRADE A, SCHEDULE 40, GALVANIZED PLAIN ENDS, 2" LONGER THAN WALL WIDTH.

GENERAL NOTES

33. THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF "AS-BUILT" DRAWINGS INDICATING THE PRECISE LOCATION OF ALL SYSTEMS, EQUIPMENT, DUCTWORK, PIPING AND ACCESS DOORS. THESE PLANS SHALL ALSO INCLUDE ALL CHANGES AND DEVIATIONS FROM BID DOCUMENTS.
34. PROVIDE SEISMIC RESTRAINT IN ACCORDANCE WITH IBC AND ASCE STANDARD 7. SUBMIT CALCULATIONS BY LICENSED STRUCTURAL ENGINEER. PRODUCTS MAY CONFORM TO SMACNA SEISMIC RESTRAINT GUIDELINES.
- SHEETMETAL NOTES
1. PERFORM ALL SHEETMETAL WORK IN ACCORDANCE WITH CURRENT SMACNA STANDARDS.
2. CONSTRUCT DUCTS WITH G-90 OR BETTER GALVANIZED STEEL (ASTM 527) L.F.Q.
3. CONSTRUCT RECTANGULAR DUCTWORK TO MEET ALL FUNCTIONAL CRITERIA DEFINED IN CHAPTER 11, OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS. PROVIDE DIAGONAL CREASING OR BEADING ON ALL PANELS WIDER THAN 18-INCHES, AND PANELS LESS THAN 18 GAGE. CONSTRUCT ROUND AND FLAT OVAL DUCTWORK IN ACCORDANCE WITH CHAPTER 3 OF SMACNA HDGS.
4. DUCTMATE, METU, OR W.D.C.I. DUCT CONNECTION SYSTEMS ARE ACCEPTABLE. DUCTS CONSTRUCTED USING THESE SYSTEMS WILL REFER TO THE MANUFACTURER'S GUIDELINES FOR SHEET GAGE, INTERMEDIATE REINFORCEMENT SIZE AND SPACING, AND JOINT REINFORCEMENTS.
5. PROVIDE COLLARS WHEREVER AN EXPOSED DUCT PASSES THROUGH A WALL, SLAB, OR CEILING-1-INCH WIDE, 18-GAGE ANGLE WITH MITERED CORNERS & SEAL WITH FIBERGLASS AND MASTIC.
6. STRAIGHT SPIN-IN FITTINGS WITH VOLUME DAMPER, AND QUADRANT SHALL ONLY BE USED ON LOW PRESSURE FOR SINGLE RUNOUTS TO DIFFUSERS AND GRILLES; FLEX MASTER, ELGEN OR EQUIVALENT.
7. MEDIUM PRESSURE TAPS SHALL BE CONICAL OR SHOE FITTINGS.
8. ELBOWS IN RECTANGULAR OR SQUARE DUCTWORK SHALL HAVE AN INSIDE RADIUS EQUAL TO DIMENSION OF ELBOW IN THE PLANE OF THE TURN.
9. ELBOWS IN ROUND DUCTWORK SHALL HAVE THE INSIDE RADIUS EQUAL TO DIMENSION OF ELBOW IN THE PLANE OF THE TURN. USE SEGMENTED, STANDING SEAM, PLEATED, OR STAMPED ELBOWS. ADJUSTABLE ELBOWS ARE ALLOWED IF RADIUS CONFORMS TO ABOVE.
10. SQUARE CORNER INSERTS (TURNING VANES) SHALL BE SMACNA FIG. 4.3 DOUBLE THICKNESS, RUNNER TYPE 2 WITH 2-1/8-INCH SPACING.
11. VOLUME DAMPERS ARE NOT SHOWN GENERALLY. INCLUDE A DAMPER IN THE DUCT TO EACH SUPPLY, EXHAUST, OR RETURN OPENING; ALSO, IN EACH BRANCH DUCT WHERE THREE OR MORE OPENINGS ARE ASSOCIATED WITH THE BRANCH. LOCATE DAMPERS AT A POINT WHERE THE DUCT IS ACCESSIBLE AS FAR FROM THE OUTLET AS POSSIBLE. DO NOT PROVIDE VOLUME DAMPER ON SUPPLY DUCTWORK UPSTREAM OF TERMINAL UNITS. DAMPERS SHALL BE BUSKIN MD25 OR MDRS25.
12. THOROUGHLY CLEAN ALL DEBRIS FROM THE INSIDE OF ALL DUCTWORK AND PLENUMS.
13. MECHANICAL DRAWINGS SHOW APPROXIMATE LOCATIONS FOR GRILLES AND DIFFUSERS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS FOR EXACT LOCATIONS. AFTER SHOP DRAWINGS ARE COMPLETED VERIFY EXACT LOCATION OF GRILLES AND DIFFUSERS IN THE FIELD. ENSURE THAT DIFFUSER AND GRILLE FRAMES MATCH CEILING TYPES AND FINISH PRIOR TO ORDERING.
14. CONNECT FLEXIBLE DUCTS TO METAL DUCTS WITH A SLIP JOINT MADE USING FIRE RESISTANT MASTIC AND CLAMP. IDEAL "SNAP-LOCK" OR VENTLOCK "SURETIGHT NO. 670" AT EACH END. SUPPORT IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS. DO NOT INSTALL WITH ABRUPT BENDS OR OFFSETS. MAXIMUM LENGTH 5- FEET. LOW PRESSURE INSULATED FLEXIBLE DUCT SHALL BE THERMAPLEX MK-E. HIGH PRESSURE INSULATED FLEXIBLE DUCT SHALL BE THERAMFLEX MK-C.
15. DUCT SEALING SHALL MEET REQUIREMENTS LISTED IN CHAPTER 6 OF IMC AND WASHINGTON STATE ENERGY CODE WITH LOCAL AMENDMENTS. IN ADDITION, PROVIDE SEAL CLASS A FOR ALL DUCTWORK.
- REMODEL CONSTRUCTION NOTES
1. DEMOLITION: WORK REQUIRED IS NOTED ON PLANS. VERIFY WITH ON SITE CONDITION AND OWNER. SALVAGE EQUIPMENT FOR OWNER'S USE AS NOTED.
2. COORDINATE INTERRUPTIONS OF SERVICES PASSING THROUGH WORK AREA TO MINIMIZE DISRUPTION IN ADJACENT SPACES. COORDINATE WITH BUILDING OWNER.
3. INSTALL NEW WORK GENERALLY AS SHOWN. ADEQUATE SPACE HAS BEEN VERIFIED TO THE DEGREE POSSIBLE, BUT MAY REQUIRE MINOR RELOCATION OF SMALL CONDUIT AND CEILING WIRE. COORDINATE EXTENT OF RELOCATION WITH GENERAL CONSTRUCTION WORK.
4. COORDINATE WORK WITH GENERAL CONSTRUCTION TO MINIMIZE DUST & DUST MIGRATION.
- OREGON STATE ENERGY CODE NOTES
1. HEAT PUMPS HAVING SUPPLEMENTARY ELECTRIC RESISTANCE HEAT HAVE CONTROLS THAT, EXCEPT DURING DEFROST, PREVENT SUPPLEMENTARY HEAT OPERATION WHEN THE HEAT PUMP CAN MEET THE HEATING LOAD.
2. WHERE USED TO CONTROL BOTH HEATING AND COOLING, ZONE THERMOSTATIC CONTROLS PROVIDE A TEMPERATURE RANGE OR DEADBAND OF AT LEAST 5°F WITHIN WHICH THE SUPPLY OF HEATING AND COOLING ENERGY TO THE ZONE IS CAPABLE OF BEING SHUT OFF OR REDUCED TO A MINIMUM.
3. EACH HVAC SYSTEM HAS CONTROLS THAT VARY THE START-UP TIME OF THE SYSTEM TO JUST MEET THE TEMPERATURE SET POINT AT TIME OF OCCUPANCY.
4. EACH ZONE IS PROVIDED WITH THERMOSTATIC SETBACK CONTROLS THAT ARE CONTROLLED BY EITHER AN AUTOMATIC TIME CLOCK OR PROGRAMMABLE CONTROL SYSTEM.
5. BOTH OUTDOOR AIR SUPPLY AND EXHAUST ARE EQUIPPED WITH NOT LESS THAN CLASS I MOTORIZED DAMPERS.
6. WHERE A HUMIDITY CONTROL DEVICE EXISTS, IT IS SET TO MAINTAIN A DEADBAND OF AT LEAST 10% RELATIVE HUMIDITY WHERE NO ACTIVE HUMIDIFICATION OR DEHUMIDIFICATION TAKES PLACE.
7. DEMAND CONTROLLED VENTILATION (DCV) IS INCLUDED FOR SPACES LARGER THAN 500 SF2 FOR SIMPLE SYSTEMS AND SPACES LARGER THAN 150 SF2 FOR MULTIPLE ZONE SYSTEMS.
8. ALL LONGITUDINAL AND TRANSVERSE JOINTS, SEAMS AND CONNECTIONS OF LOW-PRESSURE SUPPLY AND RETURN DUCTS ARE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS (ADHESIVES), MASTIC-PLUS-EMBEDDED-FABRICSYSTEMS OR TAPES INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- EXCEPTION(S):
- A. CONTINUOUSLY WELDED AND LOCKING-TYPE LONGITUDINAL JOINTS AND SEAMS ON DUCTS OPERATING AT STATIC PRESSURES LESS THAN 2 INCHES W.G. PRESSURE CLASSIFICATION.
9. AN OPERATING AND MAINTENANCE MANUAL WILL BE PROVIDED TO THE BUILDING OWNER BY THE MECHANICAL CONTRACTOR.

ABBREVIATIONS

A	AIR AMP	ID	INSIDE DIAMETER, INDIRECT DRAIN
ACU	AIR CONDITIONING UNIT	IDU	INDOOR FAN COIL UNIT
AFF	ABOVE FINISHED FLOOR	IE	INVERT ELEVATION
AHU	AIR HANDLING UNIT	IH	INTAKE HOOD
AL	ALUMINUM, ACOUSTICAL LINING	IN	INCH
ARRGT	ARRANGEMENT	INIT	INITIAL
ATM	ATMOSPHERE	INT	INTERIOR
		INPLV	INTEGRATED PART LOAD VALUE
BC	BLOWER COIL		
BDD	BACKDRAFT DAMPER	KW	KILOWATT
BFF	BELOW FINISHED FLOOR	KWH	KILOWATT HOURS
BFP	BACKFLOW PREVENTER		
BHP	BRAKE HORSEPOWER	L	LENGTH
BLDG	BUILDING	LAT	LEAVING AIR TEMPERATURE
BMS	BUILDING MANAGEMENT SYSTEM	LB	POUND, LINEAR BAR
BOB	BOTTOM OF BEAM	LBS	POUNDS
BOD	BOTTOM OF DUCT	LD	LINEAR DIFFUSER
BOS	BOTTOM OF STEEL	LWT	LEAVING WATER TEMPERATURE
BTUH	BRITISH THERMAL UNITS PER HOUR		
CA	COMPRESSED AIR, COMBUSTION AIR	MAX	MAXIMUM
CAP	CAPACITY	MBH	THOUSAND BTU PER HOUR
CC	COOLING COIL	MCA	MINIMUM CIRCUIT AMPACITY
CD	CEILING DIFFUSER	MD	MANUAL DAMPER
CFM	CUBIC FEET PER MINUTE	MECH	MECHANICAL
CHR	CHILLED WATER RETURN	MFR	MANUFACTURER
CHS	CHILLED WATER SUPPLY	MIN	MINIMUM
CI	CAST IRON	MOCP	MAXIMUM OVER CURRENT PROTECTION
CLG	CEILING, COOLING	MOD	MOTOR OPERATED DAMPER
CNTFGL	CENTRIFUGAL	MTR	MOTOR
CO	CLEANOUT	NC	NORMALLY CLOSED
CONC	CONCRETE	NEG	NEGATIVE
CND	CONDENSATE	NIC	NOT IN CONTRACT
CONT	CONTINUE, CONTROL	NO	NUMBER, NORMALLY OPEN
COMP	COMPRESSOR	NTS	NOT TO SCALE
COP	COEFFICIENT OF PERFORMANCE		
CP	CIRCULATING PUMP	OA	OUTDOOR AIR
CR	CONDENSATE RETURN	OC	ON CENTER
CRU	CONDENSATE RETURN UNIT	OD	OUTSIDE DIAMETER
CU	CONDENSING UNIT	ODU	OUTDOOR CONDENSING UNIT
CU FT	CUBIC FEET	OPENG	OPENING
CV	CONSTANT VOLUME	ORL	OVERFLOW ROOF DRAIN
CVTR	CONVERTER	ORL	OVERFLOW RAIN LEADER
CW	COLD WATER		
CWR	CONDENSER WATER RETURN	P	PUMP, PLUMBING
CWS	CONDENSER WATER SUPPLY	PC	PUMPED CONDENSATE
		PCR	PROCESS COOLING WATER RETURN
dB	DECIBELS	PCS	PROCESS COOLING WATER SUPPLY
DB	DRY BULB	PD	PRESSURE DROP
DCVA	DOUBLE CHECK VALVE ASSEMBLY	PH	PHASE
DDC	DIRECT DIGITAL CONTROL	PPC	POINT OF CONNECTION
DEG	DEGREE	POS	POSITIVE
DF	DRINKING FOUNTAIN	PR	PUMPED RETURN
DI	DE-IONIZED	PJT	PRESSURE/TEMPERATURE
DIA	DIAMETER	PVC	POLYVINYL CHLORIDE
DMPR	DAMPER		
DN	DOWN	QTY	QUANTITY
DS	DOWNSPOUT		
E	EXISTING	RA	RETURN AIR
EA	EXHAUST AIR	RCP	RECIRCULATING PUMP
EAT	ENTERING AIR TEMPERATURE	RD	ROOF DRAIN
EER	ENERGY EFFICIENCY RATING	REF	REFERENCE
EF	EXHAUST FAN	REQD	REQUIRED
EFF	EFFICIENCY	RF	RETURN FAN
EG	EXHAUST GRILLE	RG	RETURN GRILLE
EL	ELEVATION	RL	RELIEF HOOD, RELATIVE HUMIDITY, RADIANT
EQUIP	EQUIPMENT	RH	HEATER
ESP	EXTERNAL STATIC PRESSURE	RAIN	RAIN LEADER
EWT	ENTERING WATER TEMPERATURE	RBPB	REDUCED PRESSURE BACKFLOW
EXH	EXHAUST		
EWC	ELECTRIC WATER COOLER	RPM	REVOLUTIONS PER MINUTE
EXIST	EXISTING	RTU	ROOFTOP UNIT
EXP	EXPANSION		
EXT	EXTERIOR, EXTERNAL	S	SOIL
		SA	SUPPLY AIR
F	FAHRENHEIT, FIRE LINE	SD	STORM DRAIN, SMOKE DAMPER
FCU	FAN COIL UNIT	SENS	SENSIBLE
FD	FIRE DAMPER, FLOOR DRAIN	SEER	SEASONAL ENERGY EFFICIENCY RATING
FDC	FIRE DEPARTMENT CONNECTION	SF	SUPPLY FAN, SQUARE FEET
FLA	FULL LOAD AMPS	SG	SUPPLY GRILLE
FLR	FLOOR	SL	SOUNDLINING
FLTR	FILTER	SP	STATIC PRESSURE
FLUE	COMBUSTION FLUE GAS	SPR	SPRINKLER
FM	FLOW METER	SS	STAINLESS STEEL, SANITARY SEWER
FOB	FLAT ON BOTTOM	STP	STANDPIPE
FO	FLAT OVAL		
FOT	FLAT ON TOP	T	THERMOSTAT
FFM	FEET PER MINUTE	TEMP	TEMPERATURE
FPS	FEET PER SECOND	TG	TRANSFER GRILLE
FSD	FIRE SMOKE DAMPER	TOO	TOP OF DUCT
FT	FEET, FAN TERMINAL	TOT	TOTAL
FTU	FAN TERMINAL UNIT	TP	TRAP PRIMER, TOTAL PRESSURE
FV	FACE VELOCITY	TSP	TOTAL STATIC PRESSURE
		TU	TERMINAL UNIT
		Typ	TYPICAL
G	GAGE		
GAL	GALLONS	UH	UNIT HEATER
GALV	GALVANIZED	UON	UNLESS OTHERWISE NOTED
GPM	GALLONS PER MINUTE		
GW	GREASE WASTE	V	VENT, VOLT
		VA	VALVE
H	HUMIDIFIER, HEIGHT	VAV	VARIABLE AIR VOLUME
HB	HOSE BIBB	VEL	VELOCITY
HC	HEATING COIL	VFD	VARIABLE FREQUENCY DRIVE
HD	HEAD	VTR	VENT THROUGH ROOF
HEX	HEAT EXCHANGE		
HOA	HAND-OFF AUTOMATIC	W	WATT, WIDTH
HPS	HORSEPOWER, HEAT PUMP	WAGD	WASTE ANESTHETIC GAS DISPOSAL
HP	HIGH PRESSURE STEAM	WB	WET BULB
HTG	HEATING	WG	WATER GAGE
HW	HOT WATER	WH	WATER HEATER, WALL HYDRANT
HWC	HOT WATER CIRCULATING	WSPH	WATER SOURCE HEAT PUMP
HWP	HOT WATER PUMP	WTR	WATER
HWR	HEATING WATER RETURN		
HWS	HEATING WATER SUPPLY		
HZ	HERTZ		



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SHEET NAME



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PROJECT INFORMATION

BAKER EMERGENCY OPERATIONS CENTER

3410 K STREET BAKER CITY, OR 97814

ISSUES

PHASE	BID DOCUMENTS
DATE	ISSUE DATE: 05/16/2025
JOB NUMBER	23-105

MARK	DATE	DESCRIPTION
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SHEET NUMBER

GENERAL NOTES, ABBREVIATIONS AND SHEET INDEX

SHEET NUMBER

M0.01

MECHANICAL SHEET INDEX	
M0.01	GENERAL NOTES, ABBREVIATIONS AND SHEET INDEX
M0.02	MECHANICAL LEGEND
M1.01	MECHANICAL - LEVEL 1 PLAN
M1.21	MECHANICAL - ROOF PLAN
M5.01	MECHANICAL DETAILS
M6.01	MECHANICAL SCHEDULES
M6.02	MECHANICAL DIAGRAMS

SYMBOLS LEGEND - GENERAL	
SYMBOL	DESCRIPTION
	DRAWING CONSTRUCTION ("FLAG") NOTE
	EQUIPMENT IDENTIFIER
	MATCHLINE
	REVISION CLOUD (ENCIRCLES DRAWING CHANGES MADE SINCE THE PREVIOUS RELEASE)
	REVISION REFERENCE
	EXISTING TO BE REMOVED (DASHED)
	HEAVY LINEWEIGHT INDICATES NEW WORK
	LIGHT LINEWEIGHT INDICATES EXISTING INFORMATION
	POINT OF CONNECTION
	LIMIT OF DEMOTION
	DETAIL REFERENCE DETAIL IDENTIFICATION NUMBER SHEET WHERE DETAIL IS DRAWN
	ELEVATION REFERENCE ELEVATION IDENTIFICATION NUMBER SHEET WHERE ELEVATION IS DRAWN
	SECTION REFERENCE SECTION IDENTIFICATION NUMBER SHEET WHERE SECTION IS DRAWN
	NORTH REFERENCE

SYMBOLS LEGEND - AIR HANDLING	
SYMBOL	DESCRIPTION
	ROUND, 90° ELBOW, CENTERLINE RADIUS = 1.5 X DIA
	RECTANGULAR, 90° ELBOW, CENTERLINE RADIUS = 1.5 X DUCT WIDTH
	RECTANGULAR OR ROUND, 90° ELBOW, CENTERLINE RADIUS = 1.5 X DUCT WIDTH
	MITERED ELBOW WITH TURNING VANES
	MITERED ELBOW WITHOUT TURNING VANES
	45° BRANCH CONNECTION
	RECTANGULAR BRANCH TO RECTANGULAR DUCT WITH TAPERED HIGH EFFICIENCY TAKE-OFF
	ROUND OR RECTANGULAR DUCT WITH CONICAL TAKE-OFF TO ROUND BRANCH DUCT
	ROUND OR RECTANGULAR DUCT WITH CONICAL TAKE-OFF TO ROUND BRANCH DUCT
	TRANSITION OR REDUCER - NOTED FOT (FLAT ON TOP) OR FOB (FLATON BOTTOM) IF REQUIRED
	RECTANGULAR TO ROUND TRANSITION

SYMBOLS LEGEND - AIR HANDLING	
SYMBOL	DESCRIPTION
	SUPPLY AIR DUCT - UP
	SUPPLY AIR DUCT - DOWN
	RETURN AIR DUCT - UP
	RETURN AIR DUCT - DOWN
	OUTSIDE AIR DUCT - UP
	OUTSIDE AIR DUCT - DOWN
	EXHAUST AIR DUCT - UP
	EXHAUST AIR DUCT - DOWN
	FLAT-OVAL DUCT - TURNING TOWARD
	FLAT-OVAL DUCT - TURNING AWAY
	INCLINE RISE (R) OR DROP (D) IN DIRECTION OF ARROW
	FLEXIBLE CONNECTION
	ACCESS DOOR (AD) OR ACCESS PANEL (AP)
	VOLUME DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	FIRE SMOKE DAMPER
	MOTOR OPERATED DAMPER
	BACKDRAFT DAMPER
	FLEXIBLE DUCT

SYMBOLS LEGEND - AIR HANDLING	
SYMBOL	DESCRIPTION
	DIFFUSER IDENTIFIER CONNECTION SIZE AIR FLOW (CFM) DIFFUSER TYPE MARK THERMOSTAT
	CEILING SUPPLY DIFFUSER
	CEILING RETURN AND TRANSFER GRILLE
	CEILING EXHAUST GRILLE
	SIDEWALL GRILLE DIFFUSER
	WALL EXHAUST GRILLE
	LINEAR DIFFUSER
	AIRFLOW, SUPPLY
	AIRFLOW, RETURN AND EXHAUST
	DOOR UNDERCUT

SYMBOLS LEGEND - PIPING DIAGRAMS	
SYMBOL	DESCRIPTION
	PIPING
	FLOW DIRECTION
	PUMP
	FAN
	ELECTRIC ACTUATOR (VALVE AND DAMPER)
	ELECTRIC MOTOR/STARTER ASSEMBLY
	SENSOR
	THERMOSTAT (T-STAT)
	SMOKE DETECTOR
	HUMIDISTAT
	CARBON DIOXIDE
	CARBON MONOXIDE
	NITROGEN DIOXIDE

SYMBOLS LEGEND - PIPING	
SYMBOL	DESCRIPTION
	PIPE TURNING DOWN / AWAY
	PIPE TURNING UP / TOWARDS
	PIPE DOWN TEE / AWAY
	PIPE UP TEE / TOWARDS
	REDUCER, CONCENTRIC
	REDUCER, ECCENTRIC
	UNION
	CAP
	FLANGE
	PLUG
	BALL VALVE
	BUTTERFLY VALVE
	GATE VALVE
	GLOBE VALVE
	NEEDLE VALVE
	PLUG VALVE
	CHECK VALVE
	BALANCING / FLOW MEASUREMENT VALVE
	ANGLE VALVE
	PRESSURE REDUCING VALVE
	RELIEF VALVE
	WYE STRAINER
	WYE STRAINER WITH CAPPED HOSE END BLOWDOWN VALVE
	BACKFLOW PREVENTER - DCVA OR RPB
	AUTOMATIC CONTROL VALVE - TWO WAY
	AUTOMATIC CONTROL VALVE - THREE WAY

SYMBOLS LEGEND - PIPING	
SYMBOL	DESCRIPTION
	HIGH PRESSURE STEAM
	MEDIUM PRESSURE STEAM
	LOW PRESSURE STEAM
	HIGH PRESSURE CONDENSATE
	MEDIUM PRESSURE CONDENSATE
	LOW PRESSURE CONDENSATE
	PUMPED CONDENSATE
	HEATING WATER SUPPLY
	HEATING WATER RETURN
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	CONDENSER WATER SUPPLY
	CONDENSER WATER RETURN
	COOLING COIL CONDENSATE
	REFRIGERANT SUCTION
	REFRIGERANT LIQUID
	NATURAL GAS
	PROPANE



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MARK	DATE	DESCRIPTION	

SHEET NAME

MECHANICAL LEGEND

SHEET NUMBER

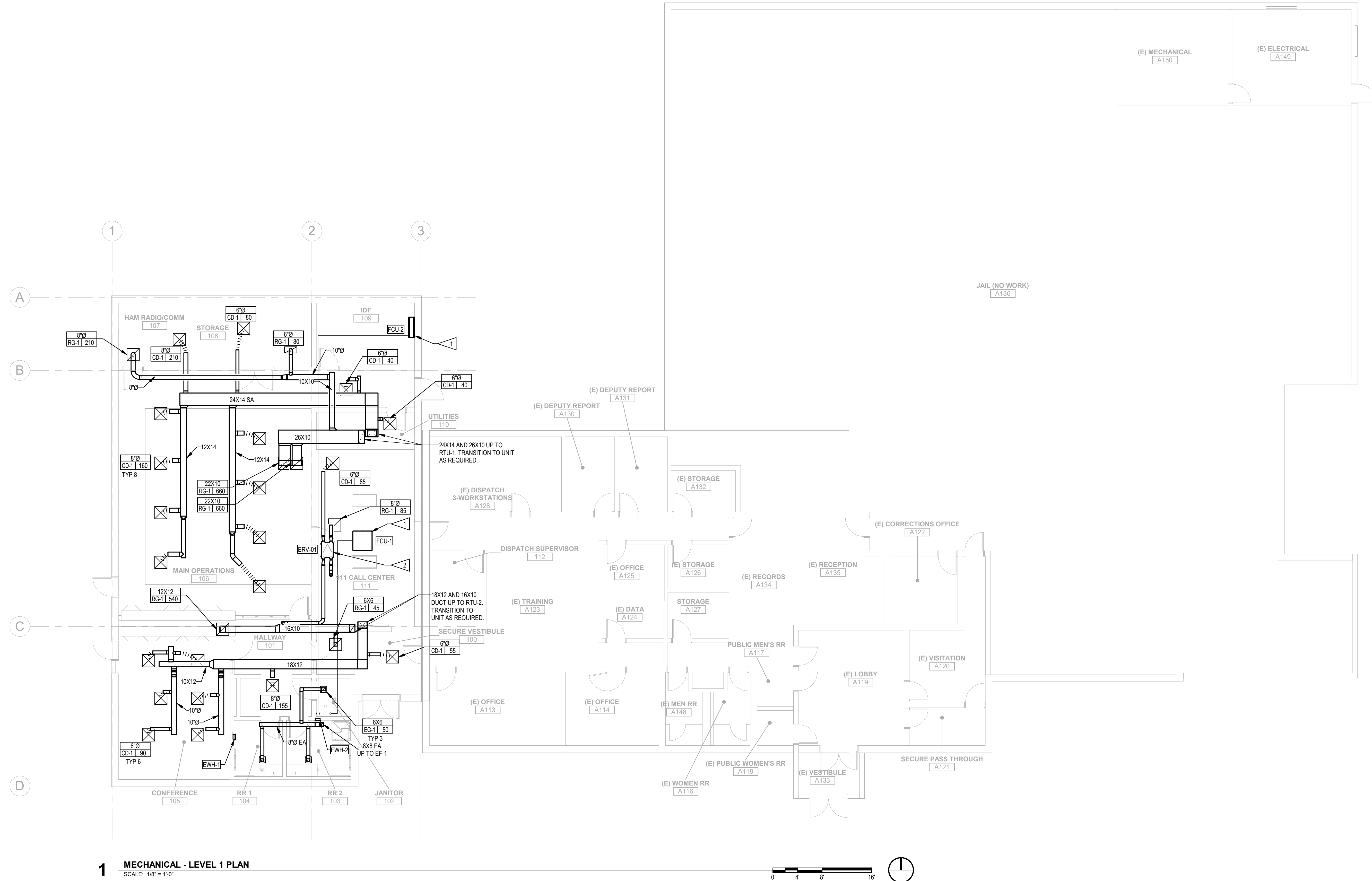
M0.02

#

- COLE
/ARCHITECTS

REGISTERED PROFESSIONAL
ENGINEER
88331PE
OREGON
MAY 11, 2021
GEOFFREY JENKS

M1.01

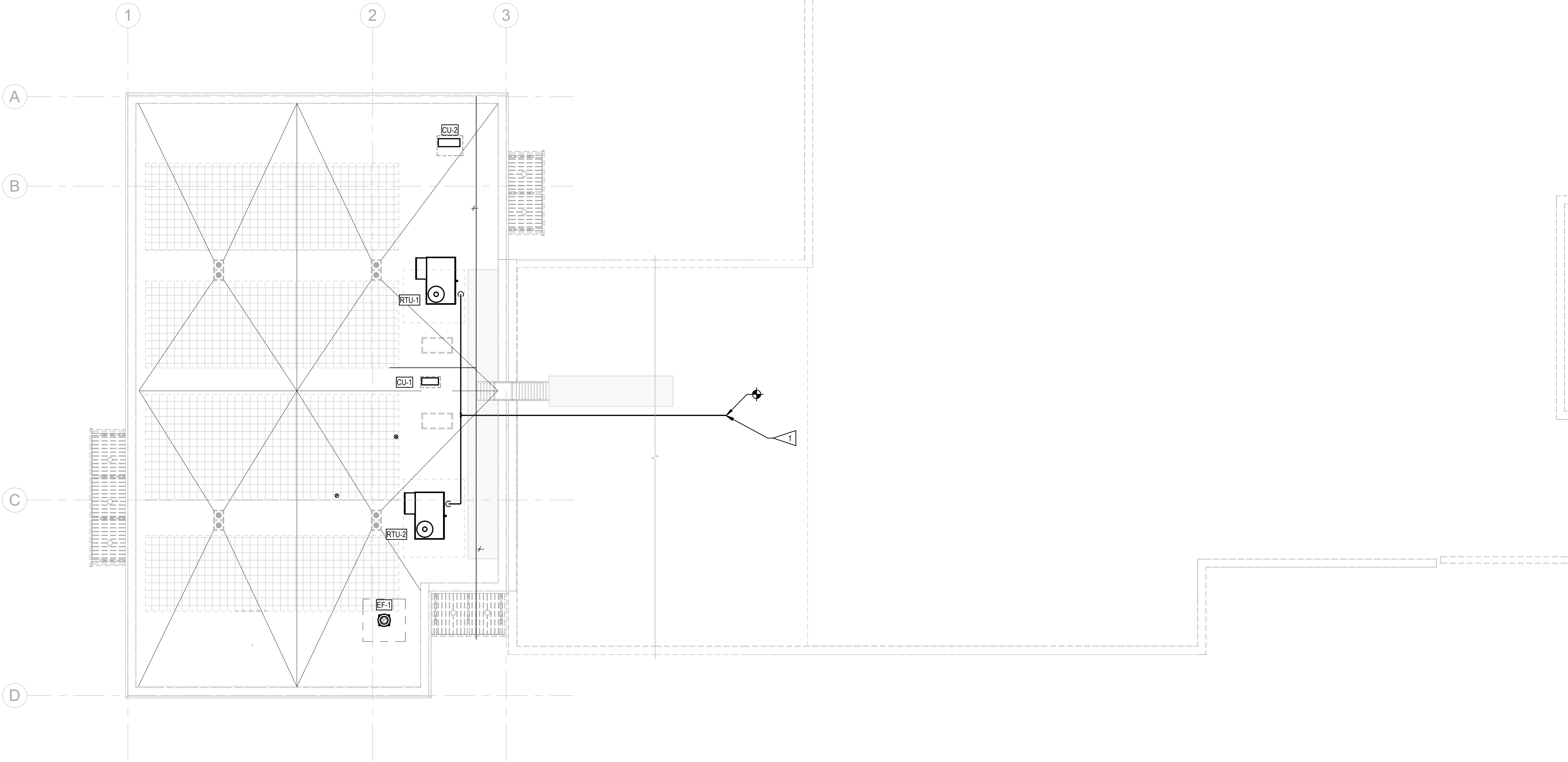


FLAG NOTES

1. CONNECT TO EXISTING GAS PIPING ON ROOF. SEE M6.02 FOR SCHEMATIC, SIZING, AND CONNECTION LOCATION.

SHEET NOTES

- A. DRAWINGS ARE SCHEMATIC IN NATURE. NOT ALL EQUIPMENT, FITTINGS OR BRANCHES ARE SHOWN. IT IS UP TO THE CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND THE EXTENT OF WORK REQUIRED.
- B. PENETRATIONS AT ALL ASSEMBLIES TO BE PROPERLY SEALED.



1 MECHANICAL - ROOF PLAN

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

0 4' 8' 16'



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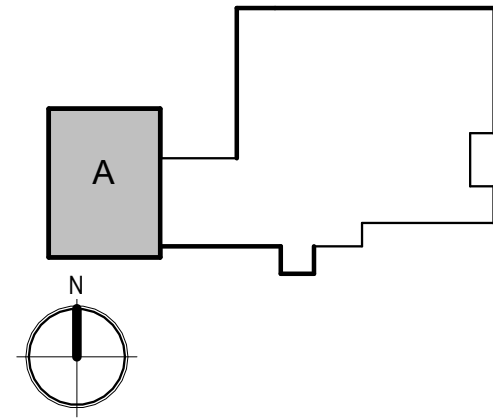
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KEY PLAN



ISSUES

PHASE BID DOCUMENTS
DATE ISSUE DATE: 05/16/2025
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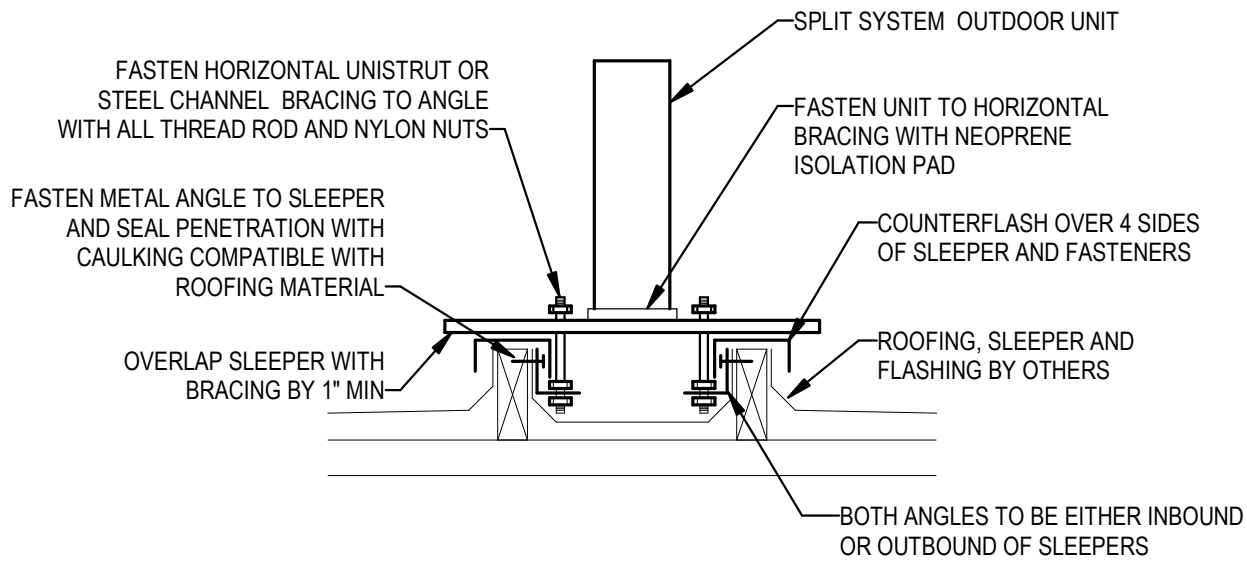
MARK	DATE	DESCRIPTION
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SHEET NAME

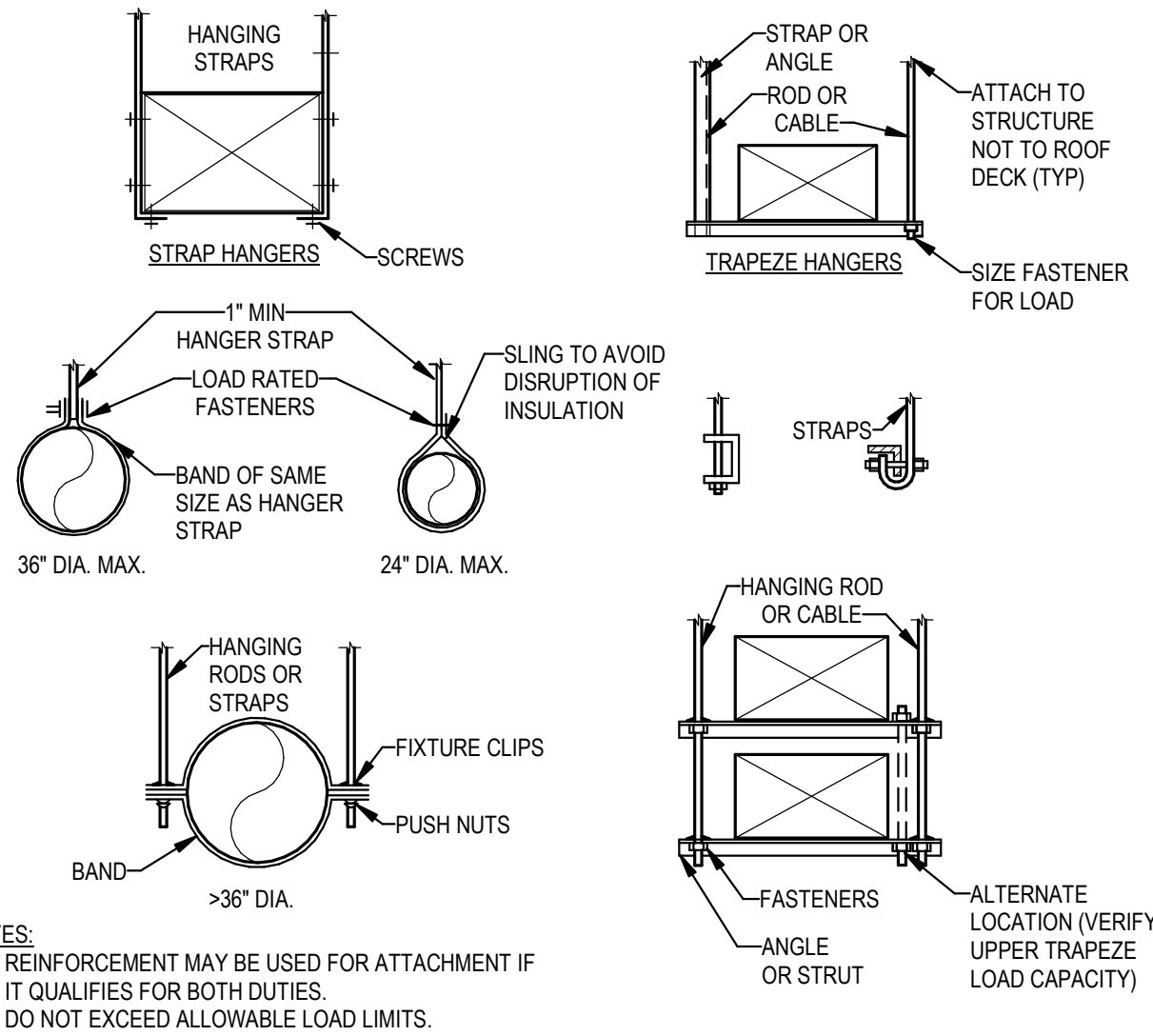
MECHANICAL -
ROOF PLAN

SHEET NUMBER

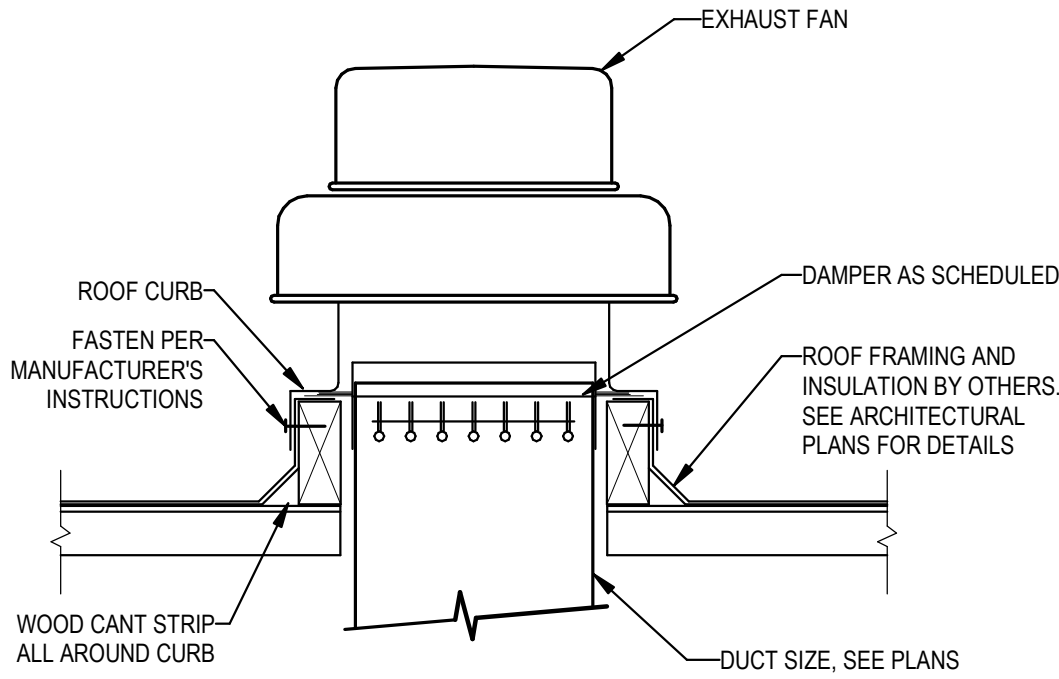
M1.21



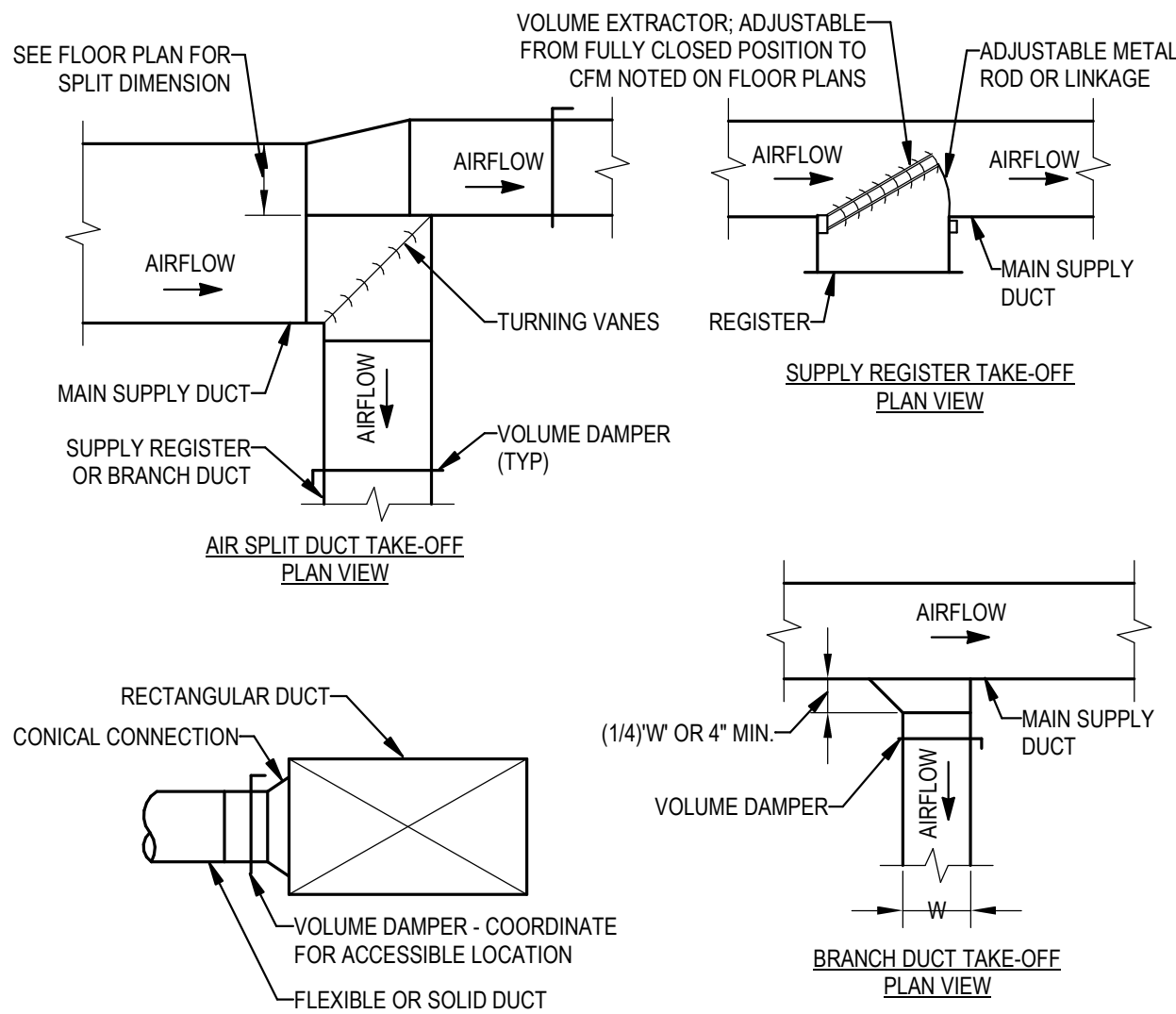
1 SLEEPER MOUNTING DETAIL - MINI SPLIT
SCALE: NTS



2 DUCT SUPPORT / HANGING DETAIL
SCALE: NTS



3 ROOF MOUNTED EXHAUST FAN DETAIL
SCALE: NTS



4 SUPPLY DUCTWORK TAKE-OFFS DETAIL
SCALE: NTS

RTU - SEQUENCE OF OPERATIONS

- GENERAL:
THE ROOF TOP UNIT (RTU) IS COMPOSED OF OUTSIDE AND RETURN AIR 2-POSITION DAMPERS, FILTERS, SUPPLY FAN, GAS HEATING AND DX COOLING.
- UNIT SHALL BE ENERGIZED OR DE-ENERGIZED BASED ON OPTIMAL START PROGRAM, BUILDING OCCUPANCY SCHEDULE OR BY OPERATOR'S COMMAND.
- OCCUPIED MODE:
- THE UNIT SHALL SUPPLY THE MINIMUM OUTSIDE AIR AS SCHEDULED AND ADJUST THE HEATING OR COOLING AS REQUIRED TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.
 - THE UNIT SUPPLY FAN SHALL OPERATE EVEN IF HEATING AND COOLING IS NOT REQUIRED TO MAINTAIN CONTINUOUS VENTILATION.
 - WHEN OUTSIDE AIR TEMPERATURE IS IDEAL, THE UNIT SHALL UTILIZE ECONOMIZER MODE WITH POWERED EXHAUST.
 - THE ECONOMIZER FAULT DETECTION AND DIAGNOSTICS (FDD) SHALL BE CAPABLE OF AND CONFIGURED TO DETECT THE FOLLOWING FAULTS.
 - AIR TEMPERATURE SENSOR FAILURE/FAULT.
 - NOT ECONOMIZING WHEN THE UNIT SHOULD BE.
 - ECONOMIZING WHEN THE UNIT SHOULD NOT BE.
 - DAMPER NOT MODULATING.
 - EXCESS OUTDOOR AIR.
 - THE FDD SYSTEM SHALL BE CAPABLE OF AND CONFIGURED TO REPORT FAULTS TO A FAULT MANAGEMENT APPLICATION OR DDC SYSTEM ACCESSIBLE BY OPERATING OR SERVICE PERSONNEL, OR ANNUNCIATED LOCALLY ON ZONE THERMOSTAT.
 - CARBON DIOXIDE CONTROLS (DEMAND CONTROL VENTILATION). THE RTU UNIT SHALL ADJUST ITS FRESH AIR FLOW BASED ON THE CO2 READING FROM TEH ROOM MOUNTED CO2 SENSORS.
CO2 READINGS: IF DEMAND CONTROL VENTILATION MODE OF OPERATION IS ENABLED AND THE OPERATIONAL INDOOR CO2 LEVEL IS GREATER THAN THE DEMAND VENTILATION SETPOINT +100 PPM, THE CURRENT OPERING MINIMUM POSITION INCREASED AS FOLLOWS:
 - BETWEEN DEMAND CONTROL VENTILATION SETPOINT +101 PPM AND +200 PPM, THE OPERATING MINIMUM POSITION INCREASE 1% PER MINUTE.
 - GREATER THAN DEMAND VENTILATION SETPOINT +200 PPM, THE OPERATING MINIMUM POSITION INCREASE 2% PER MINUTE.
 - THE DEMAND VENTILATION SETPOINT, THE CURRENT OPERATING MINIMUM POSITION DECREASE AT THE SAME RATES.
 - A FIVE DEGREE DEADBAND MUST BE PROGRAMMED BETWEEN HEATING AND COOLING SETPOINTS.
- UNOCCUPIED MODE:
- THE OUTSIDE AIR DAMPER SHALL CLOSE AND REMAIN CLOSED UNTIL THE UNIT IS SWITCHED TO OCCUPIED MODE.
 - THE UNOCCUPIED SPACE TEMPERATURES SETPOINTS SHALL BE 55 AND 85 DEGREES (ADJUSTABLE) FOR HEATING AND COOLING.
 - THE PROGRAMMABLE THERMOSTAT SHALL BE CAPABLE OF OCCUPANCY OVERRIDE TO ENABLE THE UNIT TO OPERATE IN OCCUPIED MODE FOR A TIME PERIOD OF 2 HOURS (ADJUSTABLE).

- OPTIMAL START:
- OPTIMAL START PREDICTS THE CLOSEST TIME THAT THE UNIT CAN BE ENABLED IN HEATING OR COOLING SO THAT THE SPACE TEMPERATURE SETPOINT IS REACHED AT THE START OF THE OCCUPIED PERIOD BASED ON THE LAST 5 DAYS STARTS.
 - IN WARMUP, THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED UNTIL THE UNIT SWITCHES TO OCCUPIED MODE.
 - IN COOLDOWN, THE OUTSIDE AIR DAMPER SHALL OPEN IF THE OUTSIDE AIR TEMPERATURE IS AT OR BELOW THE SUPPLY AIR DISCHARGE TEMPERATURE.

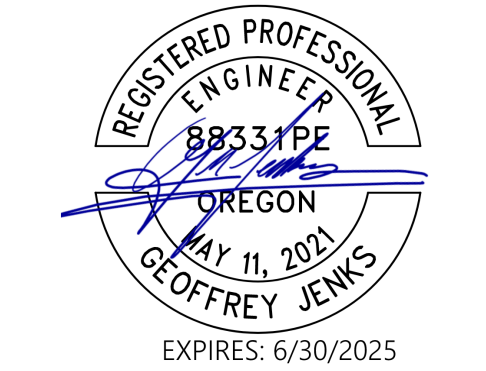
EMERGENCY SHUTDOWN, FIRE ALARM:
IF THE FIRE ALARM SYSTEM SIGNALS A GENERAL ALARM, THE RTU SHALL BE SHUTDOWN AND THE OUTSIDE AIR DAMPER CLOSED.

5 RTU - SEQUENCE OF OPERATIONS
SCALE: NTS

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MECHANICAL
DETAILS

SHEET NUMBER

M5.01

PACKAGED ROOFTOP AIR CONDITIONING UNIT SCHEDULE (GAS HEAT)																																					
REMARKS: 1. PROVIDE MANUFACTURER'S INSULATED 14" ROOF CURB 2. PROVIDE COMPATABLE FINAL FILTERS, MERV 13, 4 IN.																																					
EQUIP NO	LOCATION	SERVICE	MANUFACTURER	MODEL	NOMINAL CAP (TONS)	SUPPLY AIR (CFM)	MIN OUTSIDE AIR (CFM)	ECONOMIZER	SUPPLY AIR FAN						EXHAUST AIR FAN	COOLING						GAS HEATER				ELECTRICAL				MAX SOUND PRESSURE (dBA)	OPERATING WEIGHT (LBS)	REMARKS					
									QTY		EXT SP (IN WG)	TYPE	FAN (BHP) EACH	MOTOR (HP) EACH		VFD	LOAD		COIL				SEER/SEER 2	INPUT CAP (MBH)	OUTPUT CAP (MBH)	EAT DB (DEG F)	LAT DB (DEG F)	TYPE	MERV RATING				INITIAL PD (IN WG)	FLA	MCA	MOCP	V/PH/Hz
RTU-1	ROOF	MAIN OPERATIONS	CARRIER	48FE	5	1650	330	YES	1	0.5	VA	0.74	1.4	NO	YES	52.1	38.63	79.2	63.8	53.3	52.1	14/13.4	92.4	73.9	58.1	105	THROWAWAY	13	0.22	33	33	45	208/3/60	79	790	1.2	
RTU-2	ROOF	BUILDING SOUTH	CARRIER	48FE	3	750	150	YES	1	0.5	VA	0.2	0.7	NO	YES	28.3	18.89	79.2	63.8	53.3	52.1	14/13.4	56.3	45.4	57.4	119.8	THROWAWAY	13	0.22	24	24	30	208/3/60	79	653	1.2	

DIFFUSER-GRILLE SCHEDULE							
REMARKS: 1. SEE MECHANICAL FLOOR PLANS FOR DUCT SIZE AND CFM 2. STEEL, WHITE, ROUND NECK, SEE MECHANICAL FLOOR PLANS FOR NECK SIZE 3. BORDER TO MATCH CEILING TYPE 4. STEEL, WHITE, 3/4" BLADE SPACING 5. STEEL, WHITE, CORE ONLY IN ACT, 1/2"x1/2"x1/2" GRID 6. ALUMINUM, WHITE, FOR GWB CEILING, 3/4" BLADE SPACING, 35 DEG. FIXED DEFLECTION							
EQUIP NO	LOCATION	SERVICE	MANUFACTURER	MODEL	DESCRIPTION	MAX SOUND PRESSURE (dBA)	REMARKS
CD-1	CEILING	SUPPLY DIFFUSER	TITUS	MCD	4-WAY ADJUSTABLE, MODULAR CORE DIFFUSER	30	1,2,3
RG-1	CEILING	RETURN GRILLE	TITUS	50F	EGGGRATE RETURN GRILLE	30	1,3,5
EG-1	CEILING	EXHAUST GRILLE	TITUS	350FL	SINGLE DEFLECTION GRILLE	30	1,6

NATURAL GAS CALCULATION			
TAG	DESCRIPTION	BTU PER FIXTURE	TOTAL MBH
	BASIS OF DESIGN: 2 PSI DOWNSTREAM OF METER		
	EXISTING MECHANICAL EQUIPMENT		
(E)AC-1	EXISTING AIR HANDLER	120000	120
(E)AC-2	EXISTING AIR HANDLER	90000	90
(E)AC-3	EXISTING AIR HANDLER	163000	163
(E)AC-4	EXISTING AIR HANDLER	90000	90
(E)AC-5	EXISTING AIR HANDLER	125000	125
(E)AC-6	EXISTING AIR HANDLER	120000	120
(E)AC-7	EXISTING AIR HANDLER	75000	75
(E)AC-8	EXISTING AIR HANDLER	60000	60
(E)AC-9	EXISTING AIR HANDLER	60000	60
	NEW EQUIPMENT		
RTU-1	NORTH AIR HANDLER	92400	92
RTU-2	SOUTH AIR HANDLER	56300	56
TOTAL NATURAL GAS DEMAND, MBH			1052
TOTAL DEVELOPED LENGTH 770 FT. 2 PSI DOWNSTREAM OF METER			
SCH 40 STEEL MAIN SIZING:		2"	

REQUIRED OUTSIDE AIR FLOW RATE														
MINIMUM VENTILATION RATES FROM TABLE 403.3.1.1, 2022 OREGON MECHANICAL SPECIALTY CODE														
ROOM NUMBER	ROOM NAME	TOTAL AREA (SQFT)	DEFAULT OCCUPANT DENSITY #/1,000 SQFT	ZONE NO. OF PEOPLE	CFM PER PERSON	Rp*Pz (CFM)	CFM PER SQFT	Ra*Rz (CFM)	Vbzp+Vbza (CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS	Voz+Vbz/Ez (CFM)	SCHEDULED OUTDOOR AIRFLOW (CFM)	REQUIRED EXHAUST AIRFLOW RATE (CFM)	SCHEDULED EXHAUST AIRFLOW (CFM)
		Az	Pz	Rp	Vbzp	Ra	Vbza	Vbz	Ez	Voz				
111	UTILITIES	95	-	0	-	-	0.12	11.4	11	0.8	14	9	0	0
109	STORAGE	195	-	0	-	-	0.12	23.4	23	0.8	29	16	0	0
110	HAM RADIO / COMM	170	5	1	5	5	0.06	10.2	15	0.8	19	41	0	0
107	MAIN OPERATIONS	1,375	5	20	5	100	0.06	82.5	183	0.8	228	264	0	0
	RTU-01	1,835		21		105		128	233		291	330		0
103	JANITOR	45	-	0	-	-	-	-	-	0.8	-	0	50	50
105	RESTROOM 1	65	-	0	-	-	-	-	-	0.8	-	0	50	50
104	RESTROOM 2	85	-	0	-	-	-	-	-	0.8	-	0	50	50
101	SECURE VESTIBULE	130	-	0	-	-	0.06	7.8	8	0.8	10	10	0	0
102	HALLWAY	90	-	0	-	-	0.06	5.4	5	0.8	7	32	0	0
106	CONFERENCE ROOM	460	50	10	5	50	0.06	27.6	78	0.8	97	108	0	0
	RTU-02	875		10		50		41	91		114	150		150
112	911 CALL CENTER	450	5	8	5	40	0.06	27.0	67	0.8	84	85	0	0
	ERV-01	450		8		40		27	67		84	85		0

ENERGY RECOVERY VENTILATOR SCHEDULE															
REMARKS: 1. PROVIDE MERV 8 PRE-FILTER PRIOR TO SUPPLY AND EXHAUST FANS 2. PROVIDE ALL DAMPERS AS REQUIRED BY THE ENERGY CODE. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL COMPONENTS REQUIRED FOR CONTROL AS PER THE SEQUENCE OF OPERATIONS.															
EQUIP. NO	LOCATION	SERVICE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN SERIES	SUPPLY AIR			EXHAUST AIR			ELECTRICAL			WEIGHT LBS	REMARKS
					AIRFLOW (CFM)	ESP (IN WG)	MOTOR (HP)	AIRFLOW (CFM)	ESP (IN WG)	MOTOR (HP)	MCA	MOCP	SINGLE POINT V/PH/Hz		
ERV-01	LEVEL - 1	DWELLING UNIT	PANASONIC	FV-10VE2	85	0.25	0.11	85	0.25	0.11	3	10	120/1/60	60	1.2

FAN SCHEDULE																
REMARKS: 1. ELECTRICAL TO PROVIDE DISCONNECT SWITCH. 2. PROVIDE FACTORY MOUNTED SPEED CONTROLLER. 3. PROVIDE MANUFACTURER INSULATED 14" ROOF CURB.																
EQUIP NO	LOCATION	SERVICE	MANUFACTURER	MODEL	TYPE	AIRFLOW (CFM)	STATIC PRESSURE (IN WG)	DRIVE	WHEEL TYPE	FAN RPM	MOTOR			VFD	OPERATING WEIGHT (LBS)	REMARKS
											HP	EC	V/PH			
EF-1	ROOF	RESTROOMS/CUSTODIAL	GREENHECK	G-070-VG	DOWNBLAST	150	0.5	DIRECT	CENTRIFUGAL	1536	1/15	YES	120/1	NO	38	1,2,3

SPLIT SYSTEM CONDENSING UNIT SCHEDULE														
REMARKS: 1. PROVIDE ROOF SUPPORT 14" ABOVE FINISHED ROOF NO 4" LARGER THAN FOOTPRINT OF EQUIPMENT ON ALL SIDES.														
EQUIP NO	LOCATION	SERVICE	MANUFACTURER	MODEL	COOLING CAPACITY		HEATING CAPACITY							REMARKS
					TOTAL COOLING LOAD (MBH)	OA DESIGN TEMP (DEG F)	EER	TOTAL HEATING LOAD (MBH)	OA DESIGN TEMP (DEG F)	COP/ HSPF	MCA	MOCP	V/PH/Hz	
CU-1	ROOF	911 CALL CENTER	DAIKIN	RX12	10.8	95	11.5	13.5	47	3.7/9.0	7.7	15	208/1/60	1
CU-2	ROOF	IDF ROOM	DAIKIN	RXN18	17.1	95	12.2	18	47	3.8/8.2	13.3	15	208/1/60	1

ELECTRIC UNIT HEATER SCHEDULE												
REMARKS: 1. PROVIDE WITH THERMOSTAT AND OSHA FAN GUARD												
EQUIP NO	LOCATION	SERVICE	MANUFACTURER	MODEL	TYPE	MOUNTING HEIGHT AFF (FT)	ELECTRICAL				OPERATING WEIGHT (LBS)	REMARKS
							KW	STAGES	AMPS	V/PH/Hz		
EW1-1	RR1	RR1	QMARK	CWH1101DSF	WALL	1.5	1	2	8.4	120/1/60	10	1
EW1-2	RR2	RR2	QMARK	CWH1101DSF	WALL	1.5	1	2	8.4	120/1/60	10	1

SPLIT SYSTEM FAN COIL UNIT SCHEDULE										
REMARKS: 1. UNIT POWERED BY THE OUTDOOR UNIT. 2. PROVIDE WITH INTEGRAL CONDENSATE PUMP.										
EQUIP NO	LOCATION	SERVICE	MANUFACTURER	MODEL	TYPE	FAN	MAX SOUND PRESSURE (dBA)	OPERATING WEIGHT (LBS)	REMARKS	
						AIRFLOW (CFM)				
FCU-1	911 CALL CENTER	911 CALL CENTER	DAIKIN	FFQ12	CASSETTE	406	39	36	1,2	
FCU-2	IDF	IDF	DAIKIN	FTXN18	WALL MOUNTED	713	48	27	1,2	



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ISSUES

PHASE		BID DOCUMENTS	
DATE		ISSUE DATE: 05/16/2025	
JOB NUMBER		23-105	
MARK	DATE	DESCRIPTION	

SHEET NAME

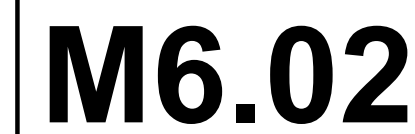
MECHANICAL SCHEDULES

SHEET NUMBER

M6.01



NTS



GENERAL NOTES

1. THE SCOPE OF THE PLUMBING WORK CONSISTS OF WORK SHOWN ON THE PLANS AND AS DESCRIBED IN THE SPECIFICATIONS. IN CASE OF CONFLICT, THE SPECIFICATIONS SHALL GOVERN. PROVIDE A COMPLETE & FUNCTIONAL SYSTEM.

2. PERFORM ALL WORK IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND PAY FOR ALL FEES REQUIRED BY AUTHORITIES HAVING JURISDICTION. PAY ALL ROYALTIES OR FEES REQUIRED IN CONNECTION WITH THE USE OF PATENTED DEVICES AND SYSTEMS.

3. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR GENERAL CONSTRUCTION INCLUDING LOUVERS, CONCRETE EQUIPMENT PADS, FLASHING DETAILS, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR ROOM ELEVATIONS, LOCATE DEVICES SO THAT THEY DO NOT CONFLICT WITH GENERAL CONSTRUCTION (WAINSCOT, DOOR HARDWARE, ETC.) NOR WITH ELECTRICAL SYSTEM (LIGHT SWITCHES, SPEAKERS, OUTLETS, ETC.).

4. COORDINATE WITH OTHER TRADES:
A. REFER TO ELECTRICAL DRAWINGS AND CONFIRM ELECTRICAL CHARACTERISTICS SHOWN FOR MECHANICAL EQUIPMENT (VOLTAGE, PHASE, HZ, ETC) MATCHES THAT OF THE MECHANICAL EQUIPMENT PROVIDED.
B. PROVIDE ADEQUATE CLEARANCE OF PLUMBING WORK FROM ELECTRICAL EQUIPMENT. MAINTAIN MINIMUM ACCESS OF 6-INCHES ABOVE CABLE TRAYS AND 18-INCHES TO THE SIDE OF CABLE TRAYS. CLEARANCE ABOVE CABLE TRAY SHOULD BE 1/2 THE WIDTH AND NOT LESS THAN 6-INCHES WHEN RUNNING PARALLEL WITH CABLE TRAY. AND NOT LESS THAN 6-INCHES WHEN RUNNING PERPENDICULAR TO THE CABLE TRAY.

5. ARRANGE EQUIPMENT SO THAT ACCESS CLEARANCES INDICATED BY DRAWINGS, REQUIRED BY CODES, OR RECOMMENDED BY MANUFACTURER ARE PROVIDED.

6. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ACCEPTED SUBMITTALS. INSTALL MATERIAL IN PROPER RELATION TO ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE FOR EXPOSED WORK.

7. THOROUGHLY EXAMINE ALL AREAS WHERE EQUIPMENT AND PIPING WILL BE INSTALLED AND REPORT ANY CONDITION THAT PREVENTS THE PROPER INSTALLATION OF THE PLUMBING WORK.

8. THE COMMISSIONING SPECIFICATION, INCLUDING ALL FUNCTIONAL TEST PROCEDURES, SHALL BE PROVIDED AND ENFORCED BY THE CONTRACTOR.

9. PROVIDE SEISMIC RESTRAINT IN ACCORDANCE WITH OSS C AND ASCE STANDARD 7. SUBMIT CALCULATIONS BY LICENSED STRUCTURAL ENGINEER. PRODUCTS MAY CONFORM TO SMACNA SEISMIC RESTRAINT GUIDELINES.

10. PROVIDE A SINGLE SUBMITTAL OF ALL PLUMBING EQUIPMENT AS SPECIFIED. AS A MINIMUM, SUBMIT PRODUCT DATA FOR ALL EQUIPMENT AND FIXTURES LISTED IN ACCOMPANYING SCHEDULES FOR APPROVAL.

11. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

12. ARRANGEMENT OF SYSTEMS INDICATED ON THE DRAWINGS IS DIAGRAMMATIC, AND INDICATES THE MINIMUM REQUIREMENTS FOR PLUMBING WORK. TAKE FIELD MEASUREMENTS BEFORE PREPARING SHOP DRAWINGS. OBTAIN APPROVAL OF SHOP DRAWINGS BEFORE BEGINNING FABRICATION. BE RESPONSIBLE FOR ACCURACY OF DIMENSIONS AND LAYOUT. OVERHEAD PIPING SHALL BE ARRANGED TO OBTAIN MAXIMUM HEAD ROOM.

13. CLEAN AND PROTECT WORK FROM DAMAGE. RESTORE DAMAGED FINISHES. COVER ENDS OF PIPING NOT ACTIVELY BEING WORKED ON.

14. MODIFY AND EXTEND EXISTING SERVICE TO ACCOMMODATE NEW WORK. RELOCATE EXISTING COMPONENTS AS REQUIRED FOR NEW SYSTEM. COORDINATE WITH BUILDING MANAGEMENT.

15. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS, WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

16. DO NOT CUT STRUCTURAL ELEMENTS WITHOUT PRIOR WRITTEN APPROVAL.

17. CONCEAL PIPING TO THE GREATEST EXTENT POSSIBLE.

18. INSTRUCT OWNER IN PROPER OPERATION OF SYSTEMS.

19. DRAWINGS DO NOT SHOW ALL OFFSETS WHICH MAY BE REQUIRED. MAKE OFFSETS WITH FITTINGS USING THE LEAST ANGLE OF OFFSET POSSIBLE. PIPING SHALL BE ROUTED TO AVOID ALL STRUCTURAL SUPPORTS, AND COORDINATED WITH WORK OF OTHER TRADES.

20. MATERIALS, METHODS, AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION OF THE FOLLOWING CODES AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION.

OREGON STRUCTURAL SPECIALITY CODE (OSSC)
OREGON MECHANICAL SPECIALITY CODE
OREGON PLUMBING SPECIALITY CODE (OPSC)
OREGON FIRE CODE
OREGON STATE ENERGY CODE WITH LOCAL AMENDMENTS

REMODEL CONSTRUCTION NOTES

1. DEMOLITION: WORK REQUIRED IS NOTED ON PLANS. VERIFY WITH ON SITE CONDITION AND OWNER. SALVAGE EQUIPMENT FOR OWNERS USE AS NOTED.

2. COORDINATE INTERRUPTIONS OF SERVICES PASSING THROUGH WORK AREA TO MINIMIZE DISRUPTION IN ADJACENT SPACES. COORDINATE WITH BUILDING OWNER.

3. INSTALL NEW WORK GENERALLY AS SHOWN. ADEQUATE SPACE HAS BEEN VERIFIED TO THE DEGREE POSSIBLE, BUT MAY REQUIRE MINOR RELOCATION OF SMALL CONDUIT AND CEILING WIRE. COORDINATE EXTENT OF RELOCATION WITH GENERAL CONSTRUCTION WORK.

4. COORDINATE WORK WITH GENERAL CONSTRUCTION TO MINIMIZE DUST & DUST MIGRATION.

PIPING NOTES

1. SANITARY, WASTE, AND VENT PIPING (PLASTIC NOT ALLOWED) SHALL BE NO-HUB CAST IRON OR DWV COPPER.

2. HOT AND COLD WATER PIPING SHALL BE HARD DRAWN COPPER TUBING: TYPE L, ASSEMBLED WITH WROT COPPER FITTINGS AND LEAD-AND ANTIMONY-FREE SOLDER.

3. INSULATE ALL HOT AND COLD WATER PIPING WITH GLASS FIBER INSULATION WITH ALL SERVICE JACKET. USE HEAT BONDING TAPE TO CLOSE INSULATION; STAPLES AND PRESSURE TAPE ARE PROHIBITED.

4. PROVIDE ALL REQUIRED ACCESSORIES INCLUDING SHUT-OFFS AND CLEAN-OUTS. PROVIDE COMPONENTS WHICH PREVENT BACK-SIPHONAGE OR CROSS-CONNECTIONS. PROVIDE ISOLATION DEVICES TO REDUCE SOUND TRANSMISSION.

5. PROVIDE STOPS FOR EACH WATER CONNECTION TO EACH FIXTURE OR ITEM OF EQUIPMENT.

6. DISINFECT WATER DISTRIBUTION SYSTEM. FLUSH AND TEST ALL SYSTEMS FOR PROPER OPERATION. ADJUST SYSTEM TO PREVENT WATER HAMMER.

7. REFER TO PIPING DIAGRAMS AND DETAILS FOR REQUIRED FITTINGS, VALVES, ETC. FLOOR PLANS AND SECTIONS INDICATE EQUIPMENT LOCATIONS AND GENERAL PIPE ROUTING ONLY.

8. REFER TO CIVIL DRAWINGS FOR UTILITY WORK 5'-0" BEYOND THE BUILDING LINE.

ABBREVIATIONS

A	AIR	ID	INDIRECT DRAIN
AFF	ABOVE FINISHED FLOOR	IE	INVERT ELEVATION
ARRST	ARRANGEMENT	IN	INCH
ATM	ATMOSPHERE	INIT	INITIAL
		INT	INTERIOR
BFF	BELOW FINISHED FLOOR	KW	KILOWATT
BFP	BACKFLOW PREVENTER	KWH	KILOWATT HOURS
BHP	BRAKE HORSEPOWER		
BLDG	BUILDING	L	LENGTH
BOB	BOTTOM OF BEAM	LB	POUND, LINEAR BAR
BOS	BOTTOM OF STEEL	LBS	POUNDS
BTUH	BRITISH THERMAL UNITS PER HOUR	LWT	LEAVING WATER TEMPERATURE
CAP	CAPACITY	MAX	MAXIMUM
CFM	CUBIC FEET PER MINUTE	MBH	THOUSAND BTU PER HOUR
CI	CAST IRON	MCA	MINIMUM CIRCUIT AMPACITY
CLG	CEILING, COOLING	MECH	MECHANICAL
ONTFGL	CENTRIFUGAL	MFR	MANUFACTURER
CO	CLEANOUT	MIN	MINIMUM
CONC	CONCRETE	MTR	MOTOR
COND	CONDENSATE		
CONT	CONTINUE, CONTROL	NC	NORMALLY CLOSED
COMP	COMPRESSOR	NEG	NEGATIVE
CP	CIRCULATING PUMP	NIC	NOT IN CONTRACT
CTG	CLEANOUT TO GRADE	NO	NUMBER, NORMALLY OPEN
CU FT	CUBIC FEET	NTS	NOT TO SCALE
CV	CONSTANT VOLUME		
CW	COLD WATER	OC	ON CENTER
		OD	OUTSIDE DIAMETER
dB	DECIBELS	OPNG	OPENING
DCVA	DOUBLE CHECK VALVE ASSEMBLY	ORD	OVERFLOW ROOF DRAIN
DEG	DEGREE	ORL	OVERFLOW RAIN LEADER
DF	DRINKING FOUNTAIN		
DI	DE-IONIZED	P	PUMP, PLUMBING
DIA	DIAMETER	PH	PHASE
DN	DOWN	POC	POINT OF CONNECTION
DS	DOWNSPOUT	POS	POSITIVE
		PJT	PRESSURE/TEMPERATURE
E	EXISTING	PVC	POLYVINYL CHLORIDE
EER	ENERGY EFFICIENCY RATING	QTY	QUANTITY
EFF	EFFICIENCY		
EL	ELEVATION	RD	ROOF DRAIN
EQUIP	EQUIPMENT	REF	REFERENCE
ESP	EXTERNAL STATIC PRESSURE	REQD	REQUIRED
EWT	ENTERING WATER TEMPERATURE	RL	RAIN LEADER
EXH	EXHAUST	RPBFP	REDUCED PRESSURE BACKFLOW PREVENTER
EWIC	ELECTRIC WATER COOLER	RPM	REVOLUTIONS PER MINUTE
EXIST	EXISTING		
EXP	EXPANSION	S	SOIL
EXT	EXTERIOR, EXTERNAL	SD	STORM DRAIN, SMOKE DAMPER
		SPR	SPRINKLER
F	FAHRENHEIT, FIRE LINE	SS	STAINLESS STEEL, SANITARY SEWER
FD	FIRE DAMPER, FLOOR DRAIN	STP	STANDPIPE
FDC	FIRE DEPARTMENT CONNECTION		
FLA	FULL LOAD AMPS	TEMP	TEMPERATURE
FLR	FLOOR	TOT	TOTAL
FLTR	FILTER	TP	TRAP PRIMER, TOTAL PRESSURE
FM	FLOW METER	TYP	TYPICAL
FPM	FEET PER MINUTE	UON	UNLESS OTHERWISE NOTED
FPS	FEET PER SECOND		
FT	FEET	V	VENT, VOLT
FV	FACE VELOCITY	VA	VALVE
		VEL	VELOCITY
GA	GAGE	VFD	VARIABLE FREQUENCY DRIVE
GAL	GALLONS	VTR	VENT THROUGH ROOF
GALV	GALVANIZED	W	WASTE, WATER, WATT, WIDTH
GPM	GALLONS PER MINUTE	WG	WATER GAGE
		WH	WATER HEATER, WALL HYDRANT
HB	HOSE BIBB	WTR	WATER
HD	HEAD		
HEX	HEAT EXCHANGE		
HOA	HAND-OFF-AUTOMATIC		
HP	HORSEPOWER, HEAT PUMP		
HW	HOT WATER		
HWC	HOT WATER CIRCULATING		
HWP	HOT WATER PUMP		
HZ	HERTZ		

SYMBOLS LEGEND - GENERAL

SYMBOL	DESCRIPTION
	DRAWING CONSTRUCTION ("FLAG") NOTE
	EQUIPMENT IDENTIFIER
	MATCHLINE
	REVISION CLOUD (ENCIRCLES DRAWING CHANGES MADE SINCE THE PREVIOUS RELEASE)
	REVISION REFERENCE
	EXISTING TO BE REMOVED (DASHED)
	HEAVY LINEWEIGHT INDICATES NEW WORK
	LIGHT LINEWEIGHT INDICATES EXISTING INFORMATION
	POINT OF CONNECTION
	LIMIT OF DEMOTION
	DETAIL REFERENCE DETAIL IDENTIFICATION NUMBER SHEET WHERE DETAIL IS DRAWN
	ELEVATION REFERENCE ELEVATION IDENTIFICATION NUMBER SHEET WHERE ELEVATION IS DRAWN
	SECTION REFERENCE SECTION IDENTIFICATION NUMBER SHEET WHERE SECTION IS DRAWN
	NORTH REFERENCE

SYMBOLS LEGEND - PIPING

SYMBOL	DESCRIPTION
	PIPE TURNING DOWN / AWAY
	PIPE TURNING UP / TOWARDS
	PIPE DOWN TEE / AWAY
	PIPE UP TEE / TOWARDS
	REDUCER, CONCENTRIC
	REDUCER, ECCENTRIC
	UNION
	CAP
	FLANGE
	PLUG
	BALL VALVE
	BUTTERFLY VALVE
	GATE VALVE
	GLOBE VALVE
	NEEDLE VALVE
	PLUG VALVE
	CHECK VALVE
	BALANCING / FLOW MEASUREMENT VALVE
	ANGLE VALVE
	PRESSURE REDUCING VALVE
	RELIEF VALVE
	WYE STRAINER
	WYE STRAINER WITH CAPPED HOSE END BLOWDOWN VALVE
	BACKFLOW PREVENTER - DCVA OR RPBFP
	AUTOMATIC CONTROL VALVE - TWO WAY
	AUTOMATIC CONTROL VALVE - THREE WAY

SYMBOLS LEGEND - PIPING

SYMBOL	DESCRIPTION
	FLEXIBLE CONNECTION IN PIPING
	MANUAL AIR VENT (MAV), AUTOMATIC AIR VENT (AAV)
	PRESSURE GAUGE
	THERMOMETER
	THERMOMETER WELL
	SIGHT GLASS
	STEAM TRAP ASSEMBLY F/T = FLOAT AND THERMOSTATIC IB = INVERTED BUCKET T = THERMOSTATIC I = IMPULSE O = ORIFICE
	PIPE ANCHOR
	PIPE ALIGNMENT GUIDE
	HOSE BIB, WALL HYDRANT
	PIPE SUPPORT
	PRESSURE / TEMPERATURE TEST PORT
	CONTROL VALVE STATION
	FLOW METER
	PIPE BREAK
	FLOOR DRAIN
	FUNNEL DRAIN
	FLOOR SINK (SQUARE AND ROUND)
	TRAP PRIMER, GRADE CLEANOUT
	WALL CLEANOUT

SYMBOLS LEGEND - PIPING DIAGRAMS

SYMBOL	DESCRIPTION
	PIPING
	FLOW DIRECTION
	PUMP
	FAN
	ELECTRIC ACTUATOR (VALVE AND DAMPER)
	ELECTRIC MOTOR/STARTER ASSEMBLY
	SENSOR
	THERMOSTAT (T-STAT)
	SMOKE DETECTOR
	HUMIDISTAT
	CARBON DIOXIDE
	CARBON MONOXIDE
	NITROGEN DIOXIDE

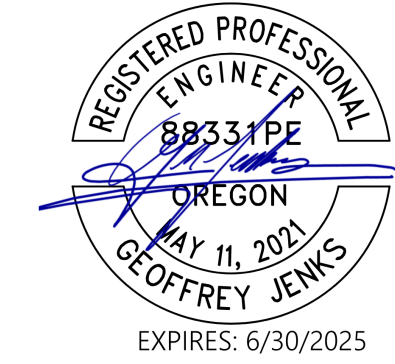
PLUMBING SHEET INDEX

P0.01	GENERAL NOTES, ABBREVIATIONS AND SHEET INDEX
P1.00	PLUMBING - UNDERGROUND PLAN
P1.01	PLUMBING - LEVEL 1 PLAN
P1.21	PLUMBING - ROOF PLAN
P4.01	PLUMBING - LEVEL 1 ENLARGED PLAN
P6.01	PLUMBING SCHEDULES
P7.00	PLUMBING DETAILS



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SHEET NAME

GENERAL NOTES, ABBREVIATIONS AND SHEET INDEX

SHEET NUMBER

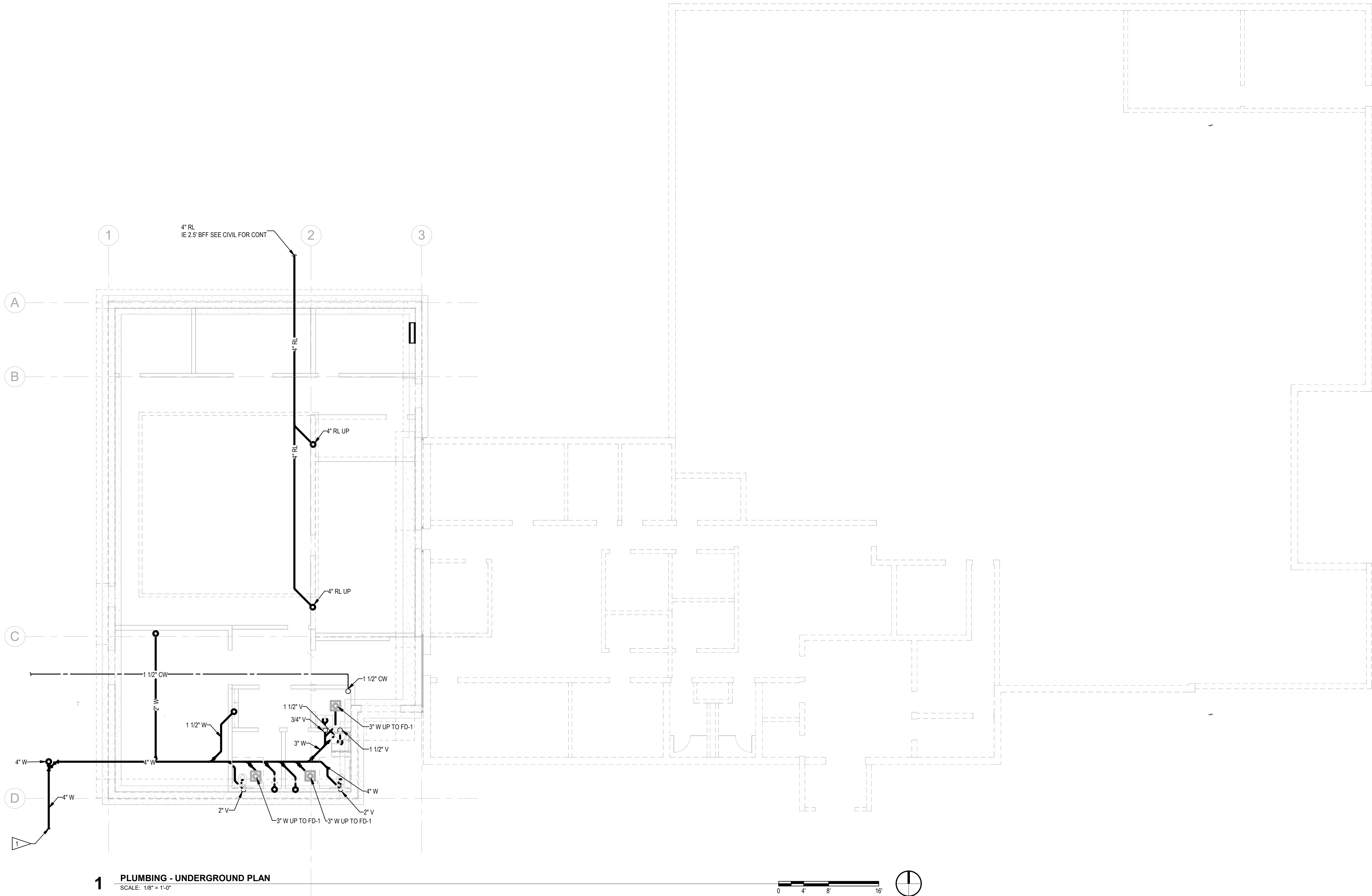
P0.01

FLAG NOTES

1. INVERT TO BE APPROXIMATELY 40" BELOW FINISHED FLOOR ELEVATION.

SHEET NOTES

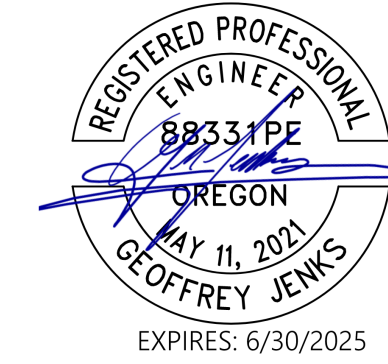
- A. DRAWINGS ARE SCHEMATIC IN NATURE. NOT ALL EQUIPMENT, FITTINGS OR BRANCHES ARE SHOWN. IT IS UP TO THE CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND THE EXTENT OF WORK REQUIRED.



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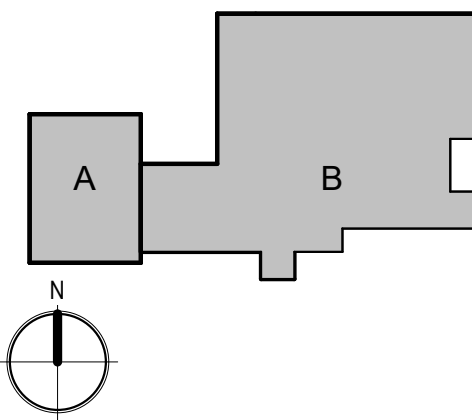
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MARK	DATE	DESCRIPTION	

SHEET NAME

PLUMBING -
UNDERGROUND
PLAN

SHEET NUMBER

P1.00

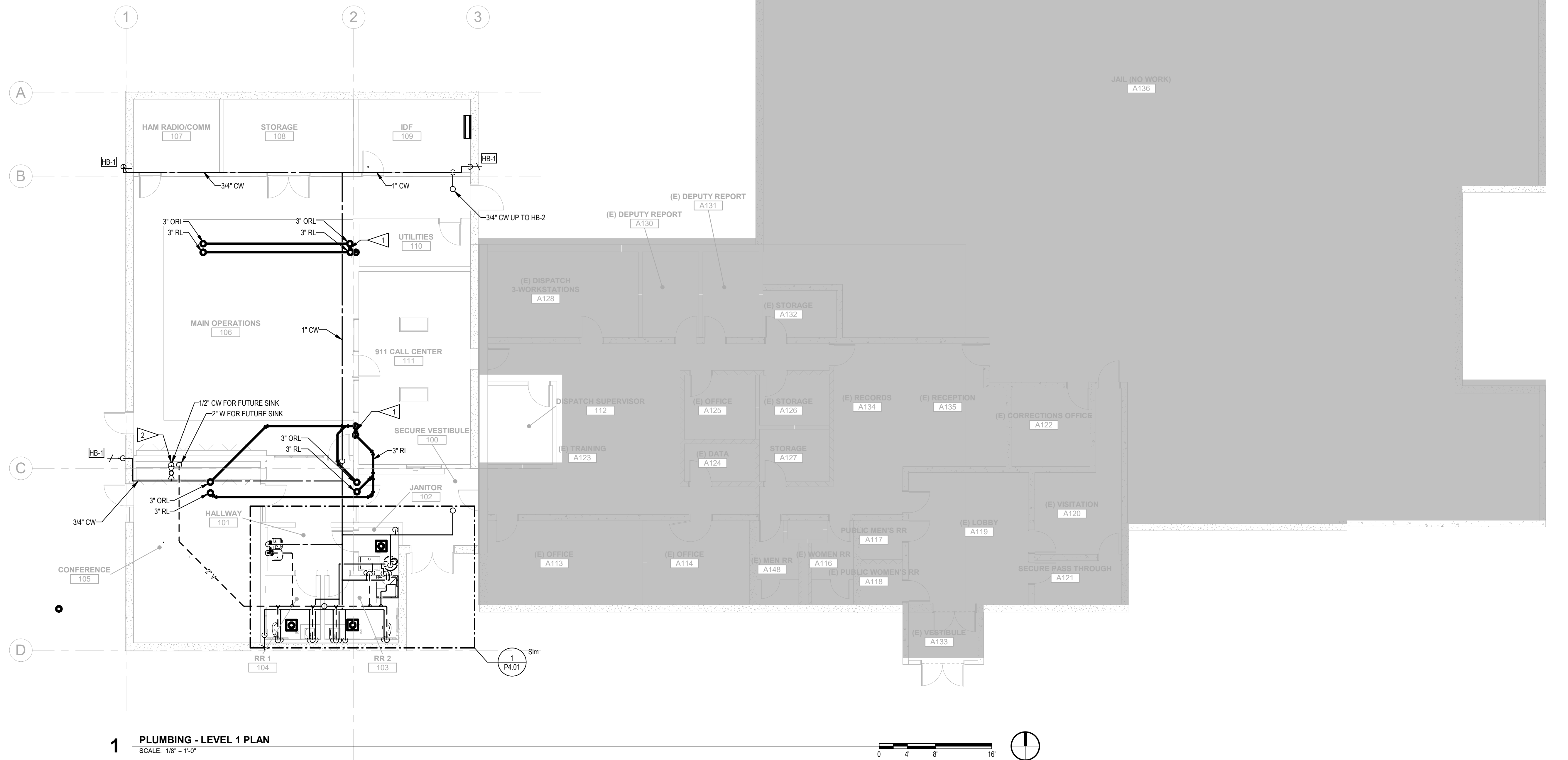
FLAG NOTES



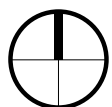
- OVERFLOW DRAIN LEADER COMBINED IN THE VERTICAL PER OPSC 1101.12.2.2.2. COMBINED STORM PIPING SIZED AT DOUBLE THE RAINFALL RATE. 3" RL AND ORL TO COMBINE TO A 4" WITHIN WALL.
- INDICATE LOCATION OF W, V, AND CW FOR FUTURE CONNECTION. COORDINATE MEANS OF INDICATION WITH ARCHITECT. HOT WATER TO COME FROM FUTURE UNDER-SINK, TANK TYPE, ELECTRIC WATER LIKE EEMAX MINITANK.

SHEET NOTES

- A. DRAWINGS ARE SCHEMATIC IN NATURE. NOT ALL EQUIPMENT, FITTINGS OR BRANCHES ARE SHOWN. IT IS UP TO THE CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND THE EXTENT OF WORK REQUIRED.



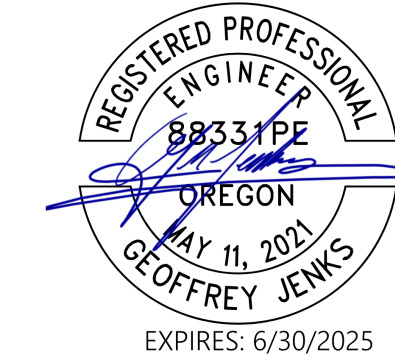
1 PLUMBING - LEVEL 1 PLAN
SCALE: 1/8" = 1'-0"



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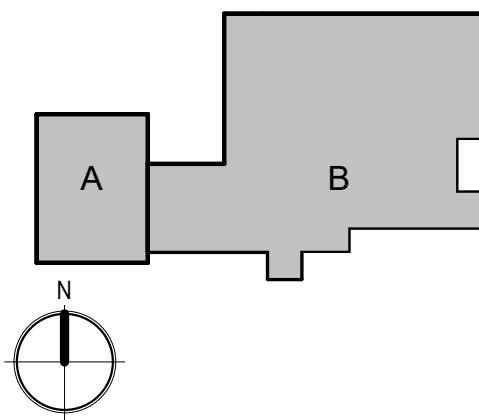
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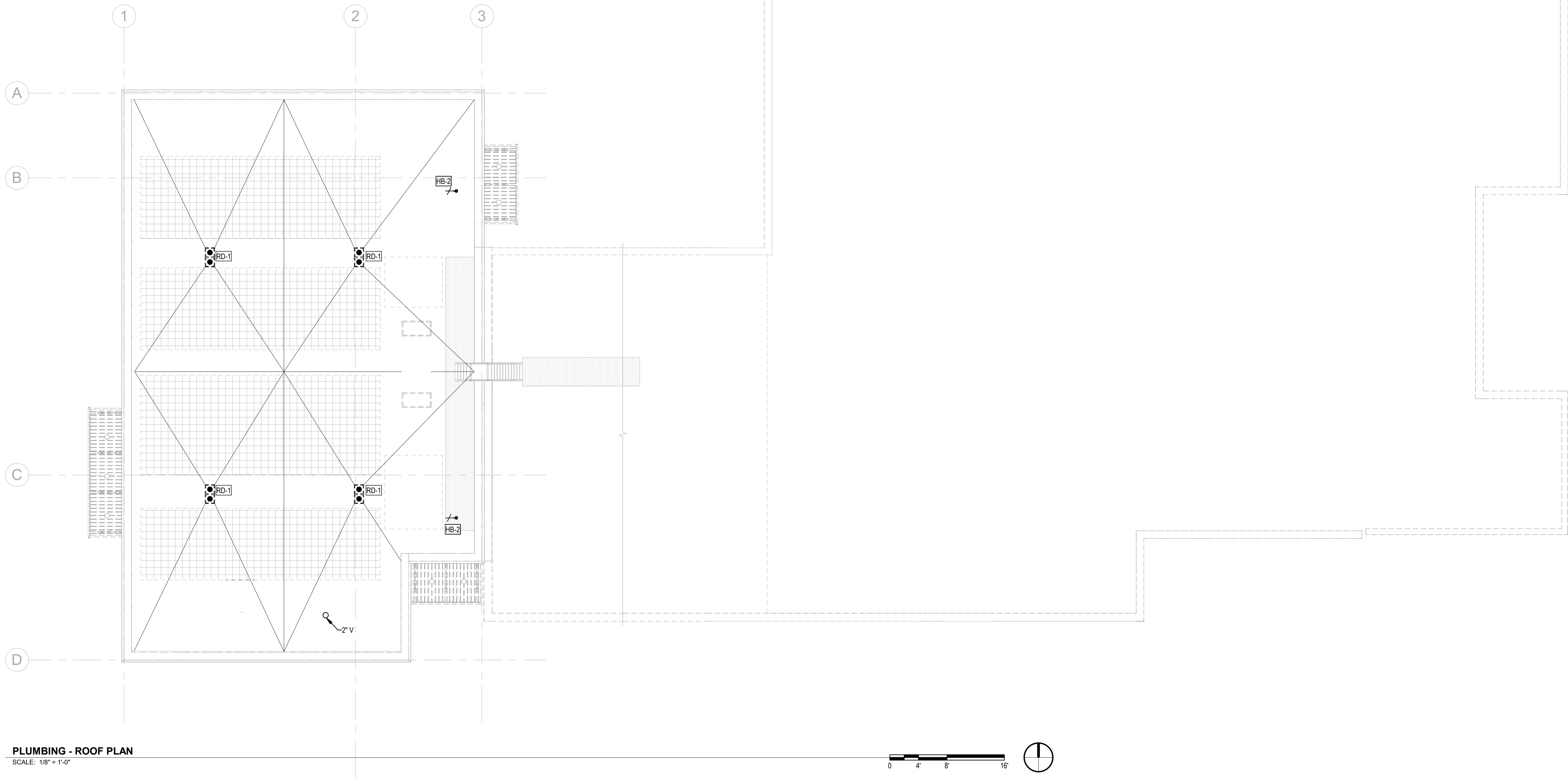
PLUMBING - LEVEL
1 PLAN

SHEET NUMBER

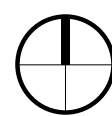
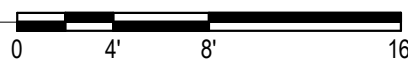
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SHEET NOTES

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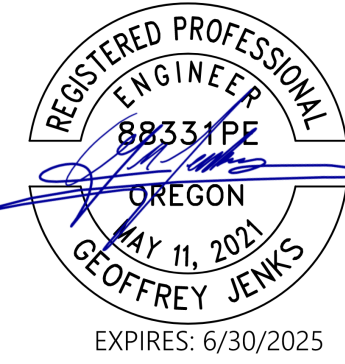
1 PLUMBING - ROOF PLAN
SCALE: 1/8" = 1'-0"



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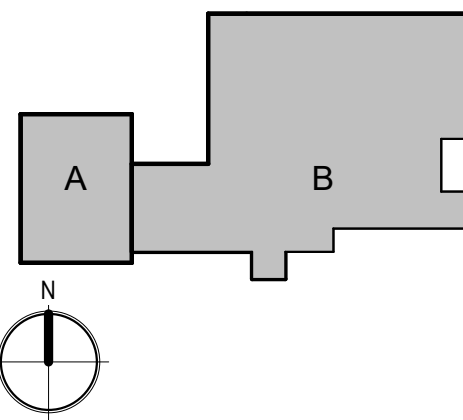
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SHEET NAME

**PLUMBING - ROOF
PLAN**

SHEET NUMBER

P1.21

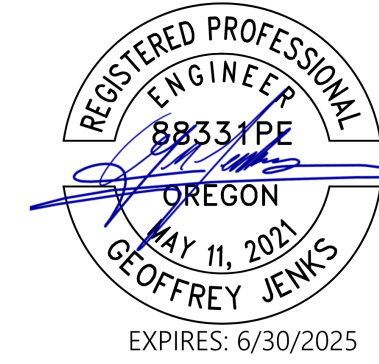
SHEET NOTES

A. DRAWINGS ARE SCHEMATIC IN NATURE. NOT ALL EQUIPMENT, FITTINGS OR BRANCHES ARE SHOWN. IT IS UP TO THE CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND THE EXTENT OF WORK REQUIRED.

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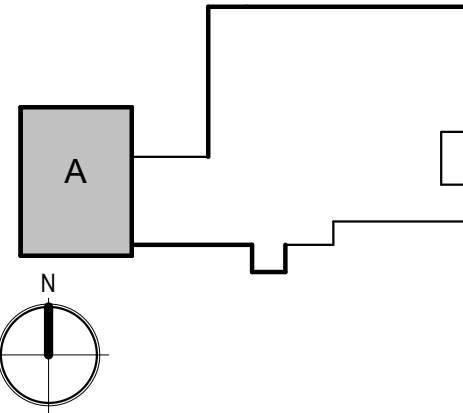
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PROJECT INFORMATION

BAKER EMERGENCY
OPERATIONS
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KEY PLAN



ISSUES

PHASE	BID DOCUMENTS
DATE	ISSUE DATE: 05/16/2025
JOB NUMBER	23-105

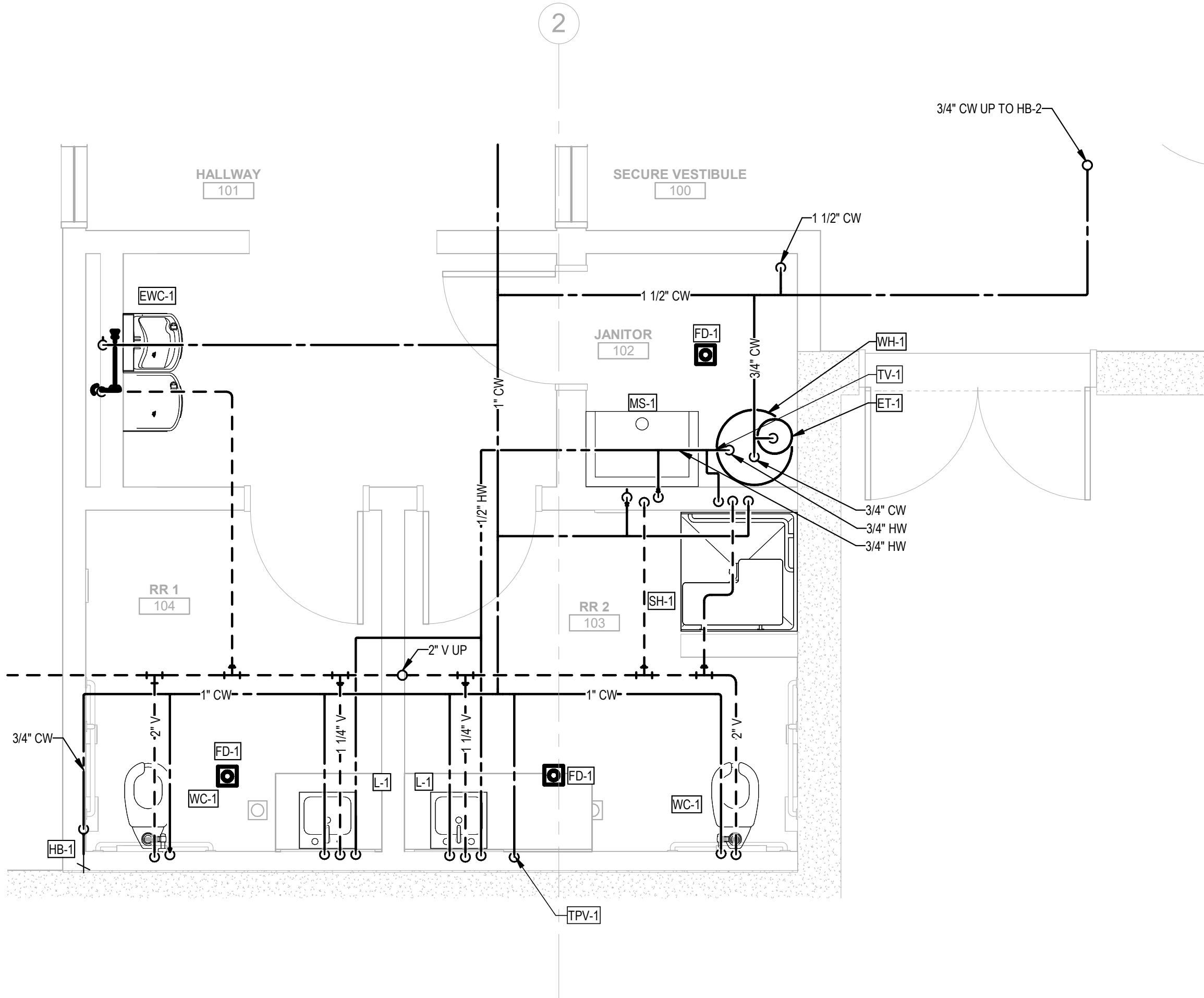
MARK	DATE	DESCRIPTION
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SHEET NAME

PLUMBING - LEVEL
1 ENLARGED PLAN

SHEET NUMBER

P4.01



1 PLUMBING - LEVEL 1 ENLARGED PLAN
SCALE: 3/8" = 1'-0"



SANITARY CALCULATION			
QUANTITY	DESCRIPTION	UNITS PER PUBLIC GENERAL	TOTAL UNITS
1	DUAL ELECTRIC WATER COOLER W/ BOTTLE FILLER	0.5	0.5
3	FLOOR DRAIN	6	18
2	LAVATORY, DROP-IN COUNTERTOP	1	2
1	MOP SINK	3	3
2	WATER CLOSET, FLOOR MOUNTED - ADA EXPOSED MANUAL FLUSH VALVE	4	8
TOTAL FIXTURE UNITS			31.5
MINIMUM BUILDING GRAVITY DRAIN SIZE = 4" AT 1/4"/FT SLOPE			

WATER SERVICE CALCULATION

Project Name: Baker County EOC	
Location: Baker City, OR	
METER = 1-1/2"	
SERVICE LINE and BFP = 1-1/2"	
Minimum Dailer Service Pressure in Main=	80 PSI
Minimum Operating Pressure=	25 PSI
Pressure Drop Through Meter=	3 PSI
Pressure Drop Through BFP=	5 PSI
Pressure Drop due to Elevation= 5 FT =	3 PSI
Allowable Friction Pressure Drop=	45 PSI
Distance to Last Fixture=	180 FT
Allowance for Fittings=	18 FT
Equivalent Length=	198 FT
Capacities	
New total WSFUs=	25 WSFU
Total GPM=	38 GPM
Available Friction Loss per 100'=	22.5 PSI

PLUMBING FIXTURE SCHEDULE												
MARK	DESCRIPTION	ROUGH-IN CONNECTION IN					ELEC NOTES	SUPPLY FU EA.	DRAIN FU EA.	MAKE AND MODEL	REMARKS	
		W	V	CW	HW	TW						
EWC-1	DUAL ELECTRIC WATER COOLER W/ BOTTLE FILLER	1-1/2	1-1/2	3/8	--	--	115V	0.5	0.5	ELKAY LZWS-LRPBM28K	BOTTLE FILLING STATION WITH BI-LEVEL HIGH-EFFICIENCY 8 GPH COOLER, VANDAL-RESISTANT, EASY TO OPERATE FRONT PUSHBUTTON CONTROL (COOLER), 1.1 GPM FILL RATE, TOUCHLESS ACTIVATION WITH AUTO 20-SECOND SHUT-OFF BOTTLE FILLER, INNOVATIVE GREEN TICKET™ COUNTS BOTTLES SAVED FROM WASTE, STAINLESS STEEL FINISH, VANDAL-RESISTANT BUBBLER, 115V / 60HZ, 1 FLA, 370W, ADA COMPLIANT INSTALLATION.	
FD-1	FLOOR DRAIN	3	1-1/2	--	--	--		-	6	ZURN Z415B	CAST IRON BODY, 5" DIAMETER ADJUSTABLE NICKEL BRONZE STRAINER. PROVIDE WITH 1/2" TRAP PRIMER CONNECTION.	
HB-1	HOSE BIBB - FREEZE PROOF	--	--	3/4	--	--		2.5	-	WOODFORD 67	AUTOMATIC DRAINING, ASSE 1052 APPROVED NIDEL MODEL #50HA HIGH FLOW DOUBLE CHECK BACKFLOW PREVENTER, 3/4" INLET AND OUTLET, HARDENED STAINLESS STEEL OPERATING STEM, ONE-PIECE VALVE PLUNGER TO CONTROL BOTH FLOW AND DRAIN FUNCTIONS, CHROME PLATED EXTERIOR FINISH, LOOSE TEE KEY TO BE FURNISHED WITH EACH HYDRANT, CONFIRM WALL THICKNESS.	
HB-2	HOSE BIBB - FREEZE PROOF	--	--	3/4	--	--		2.5	-	ZURN Z1388	EXPOSED, NON-FREEZE ROOF HYDRANT, WITH DURA-COATED CAST IRON HEAD AND LIFT HANDLE WITH LOCK, BRONZE INTERIOR PARTS, GALVANIZED STEEL CASING, AND BRONZE VALVE HOUSING WITH 1/8" IP DRAIN PORT IN HOUSING. COMPLETE WITH DURA-COATED CAST IRON ROOF SUPPORT SLEEVE WITH WIDE ANCHORING FLANGE AND CLAMP COLLAR.	
L-1	LAVATORY, DROP-IN COUNTERTOP	1-1/2	1-1/4	1/2	1/2	--		1	1	LAVATORY: BRADLEY TLX-1	26" X 20" VITREOUS CHINA, SELF-RIMMING, COUNTERTOP LAVATORY WITH 4" CENTER FAUCET HOLES, ADA GRID STRAINER, ZURN Z8700 SERIES P-TRAP, STOP WITH FLEXIBLE SUPPLIES, ADA TRAP, STOP, AND SUPPLY PROTECTORS FOR OFFSET GRID STRAINER. SINGLE CONTROL FAUCET, POLISHED CHROME PLATED CAST BRASS 4" CENTER SET SINGLE CONTROL LAVATORY FAUCET, CERAMIC DISC CARTRIDGE AND TEMPERATURE LIMIT STOP(SET TO 110 DEGREES F), ADA COMPLIANT LEVER HANDLE, MOUNTING HARDWARE, 1/2" NPSM COUPLING NUTS FOR STANDARD LAVATORY RISERS, POP-UP HOLE PLUGGED, 0.5 GPM VANDAL-RESISTANT PRESSURE COMPENSATING MALE AERATOR (COMPLYING WITH ANSI A112.18.1M STANDARD FOR FLOW).	
MS-1	MOP SINK	3	2	1/2	1/2	--		3	3	SINK: FIAT PRODUCTS MS82424 FAUCET: ZURN ZB41M1	24"X24" MOP SERVICE BASIN, STAINLESS STEEL DRAIN BODY, STAINLESS STEEL STRAINER AND 3" GASKETED OUTLET CONNECTION, STAINLESS STEEL CAPS, HOSE AND HOSE BRACKET, MOP HANGER, & WALL GUARD STAINLESS STEEL (1) 24" & (1) 36" PANELS, POLISHED CHROME-PLATED CAST BRASS SERVICE SINK FAUCET WITH QUARTER TURN CERAMIC DISC CARTRIDGES, ADJUSTABLE 2-1/2" LONG SWIVEL INLETS WITH INTEGRAL STOPS, CAST BRASS VACUUM BREAKER SPOUT, 3/4" HOSE THREADED OUTLET, 2-1/2" VANDAL RESISTANT COLOR-CODED BRASS LEVEL HANDLES, PAIL HOOK, & WALL BRACE.	
RD-1	ROOF DRAIN	3	--	--	--	--		-	-	ZURN Z165	12" DIAMETER COMBINATION MAIN ROOF AND OVERFLOW DRAIN WITH LOW SILHOUETTE CAST IRON DOMES AND DOUBLE TOP-SET® DECK PLATE, DURA-COATED CAST IRON BODIES WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARDS, AND NO-HUB OUTLET. COORDINATE BODY HEIGHT DIMENSION WITH ROOF CONSTRUCTION TYPE.	
SH-1	SHOWER STALL	2	1-1/2"	1/2"	1/2"	-		2	2	SHOWER STALL: EVERFAB S3838RFA1-R SHOWERHEAD AND VALVE: SYMMONS 1-100-X DRAIN: ZURN Z415-BZ1-DP	ONE PIECE TRANSFER SHOWER ENCLOSURE. PROVIDE 2" DRAIN. SHOWER SYSTEM WITH TYPE "TIP" THERMOSTATIC / PRESSURE BALANCING COMBINATION MIXING VALVE WITH ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN. PROVIDE MANUFACTURER'S 1.5 GPM FLOW RATE RESTRUCTOR ON SHOWERHEAD.	
TPV-1	TRAP PRIMER	--	--	1/2	--	--		-	-	PRECISION PLUMBING PRODUCT P1-500	PRESSURE DROP ACTIVATED TRAP PRIMER VALVE WITH DISTRIBUTION SYSTEM FOR UP TO 4 TRAPS.	
TV-1	TEMPERING VALVE	--	--	3/4	3/4	3/4				POWERS HYDROGUARD LFLM490	THERMOSTATIC MIXING VALVE, ADJUSTABLE TEMPERATURE SELECTION WITH LOCK DOWN (SET @ 120°F), INTEGRAL CHECK AND SCREENS, ASSE 1017 CERTIFIED.	
WC-1	WATER CLOSET, FLOOR MOUNTED - ADA EXPOSED MANUAL FLUSH VALVE	4	2	1	--	--		5	4	WATER CLOSET: AMERICAN STANDARD 3641001.020 VALVE: SLOAN REGAL 111-1.6	ELONGATED FLOOR MOUNTED FLUSH VALVE TOILET SYSTEM, VITREOUS CHINA, 1.28 GPF HIGH EFFICIENCY, ADA COMPLIANT, FLOOR MOUNTED, BOTTOM OUTLET TOILET WITH SIPHON JET FLUSHING ACTION AND ELONGATED FRONT RIM WITH 1-1/2" TOP SPUD, ZURN MODEL Z5972-COMB CLOSET BOLT & WAX RING KIT, ZURN MODEL Z5955SS-EL ELONGATED, STANDARD WHITE, OPEN FRONT TOILET SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE, EXPOSED CHROME PLATED FLUSHOMETER VALVE, DIAPHRAGM-TYPE, 1.28 GPF, DUAL SEAL DIAPHRAGM WITH A CLOG RESISTANT FILTERED BY-PASS, ADA COMPLIANT, HIGH BACK PRESSURE VACUUM BREAKER, ONE PIECE HEX COUPLING NUT, ADJUSTABLE TAIL-PIECE, SPUD COUPLING AND FLANGE FOR TOP SPUD CONNECTION. CONTROL STOP HAS INTERNAL SIPHON-GUARD PROTECTION, VANDAL RESISTANT STOP CAP, SWEAT SOLDER KIT, AND A CAST WALL FLANGE WITH SET SCREW, AND CHLORAMINE RESISTANT MATERIALS INTERNAL SEALS.	
REMARKS: 1. COORDINATE MOUNTING HEIGHTS AND HANDING WITH ARCHITECTURAL DRAWINGS AND FIELD CONDITIONS. 2. MANUFACTURER LISTED IS BASIS OF DESIGN. PROVIDE LISTED OR EQUAL APPROVED BY OWNER.												

ELECTRIC WATER HEATER SCHEDULE

REMARKS:																
1. PRESSURE RELIEF VALVE SET AT 175 PSI.																
EQUIP NO	LOCATION	SERVICE	MANUFACTURER	MODEL	STORAGE VOLUME (GAL)	TEMP RISE (DEG F)	RECOVERY RATE (GPH)	STORAGE TEMP (DEG F)	INPUT (W)	NO OF ELEMENTS	SIMULTANEOUS OR NON-SIMULTANEOUS		DIMENSIONS DIA. X H (IN)	SHIPPING WEIGHT (LBS)	OPERATING WEIGHT (LBS)	REMARKS
												V/PH/Hz				
WH-1	JANITOR 103	HOT WATER	AO SMITH	DEL-40D-4.5	40	100	51	140	4.5	2	NON-SIMULTANEOUS	208-230/160	23X32	120	453.2	1

EXPANSION TANK SCHEDULE

REMARKS: 1												
EQUIP NO	LOCATION	SERVICE	MANUFACTURER	MODEL	TYPE	MAX OPERATING PRESS (PSIG)	TANK VOLUME (GAL)	MAX ACCEPTANCE VOLUME (GAL)	DIMENSIONS		SYSTEM CONNECTION (IN)	REMARKS
									DIA (IN)	LENGTH/ HEIGHT (IN)		
ET-1	JANITOR 103	HOT WATER	B&G	PT-12	DIAPHRAGM	150	4.4	3.2	11	15	3/4	



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ISSUES

PHASE	BID DOCUMENTS
DATE	ISSUE DATE: 05/16/2025
JOB NUMBER	23-105

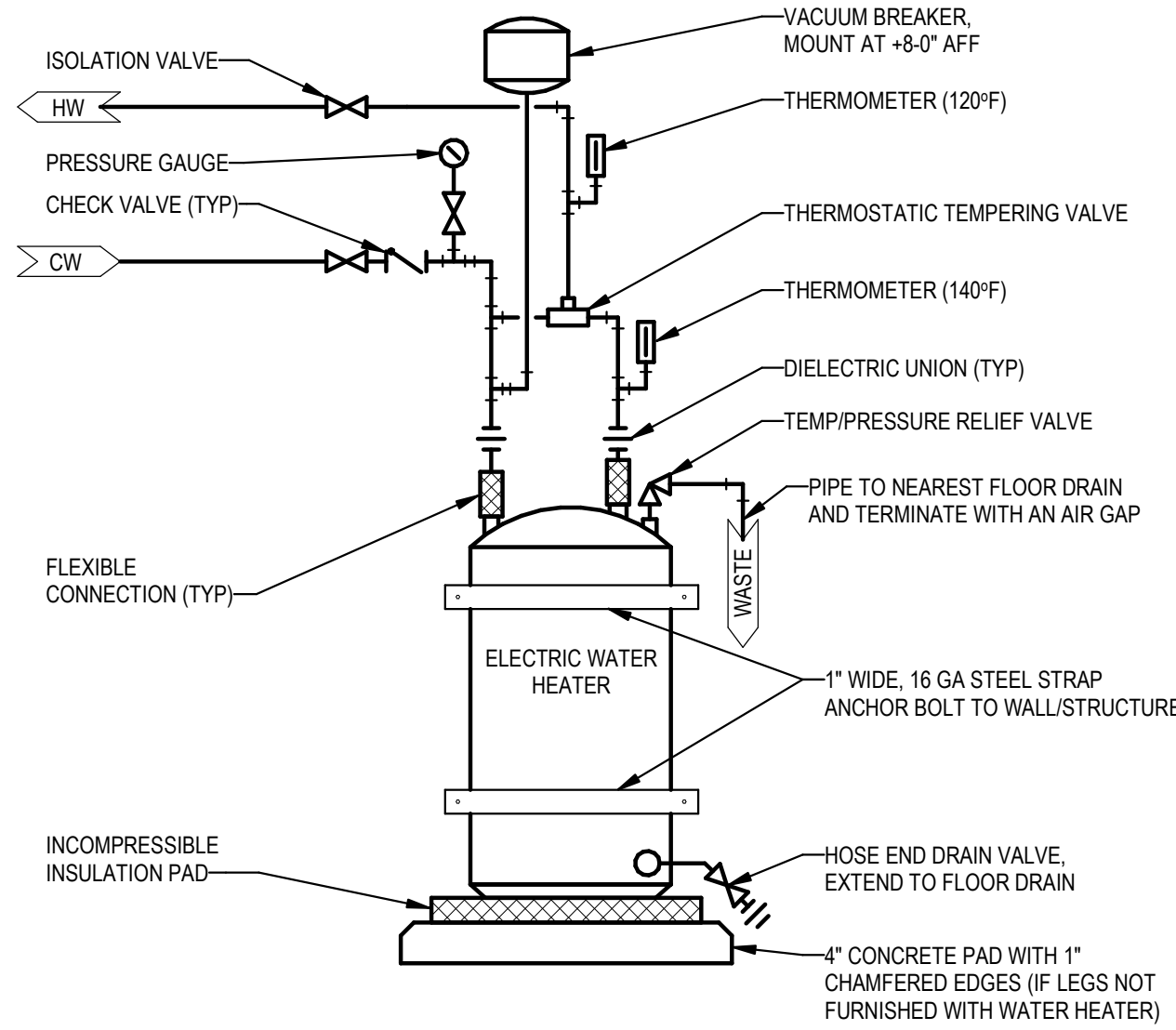
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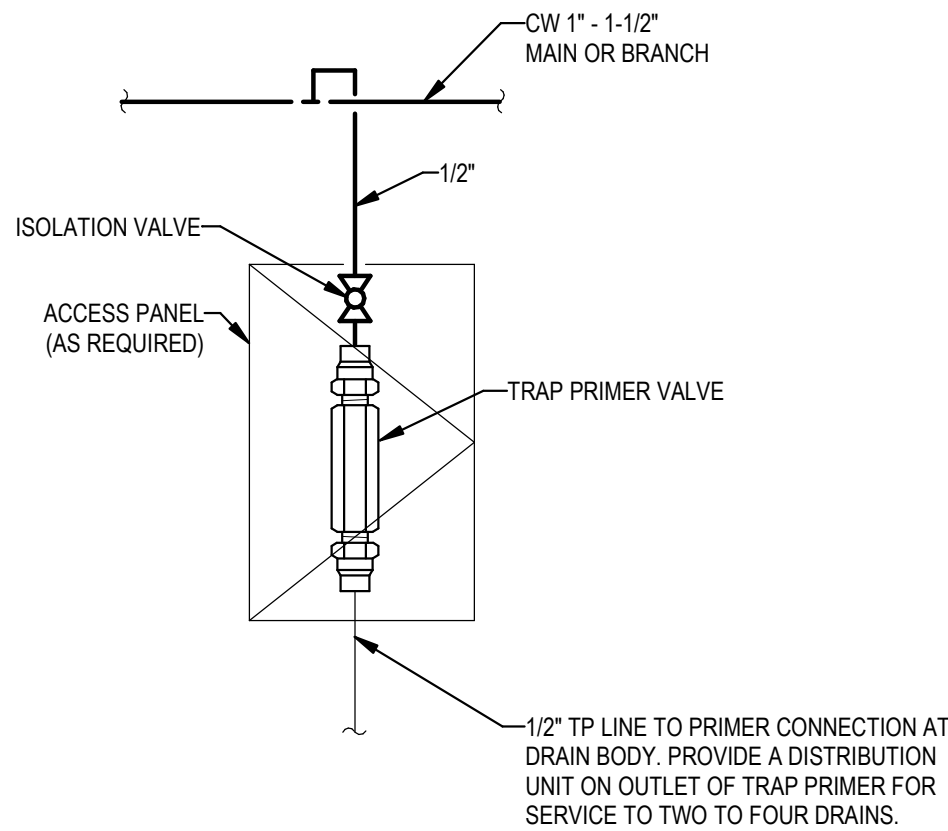
PLUMBING SCHEDULES

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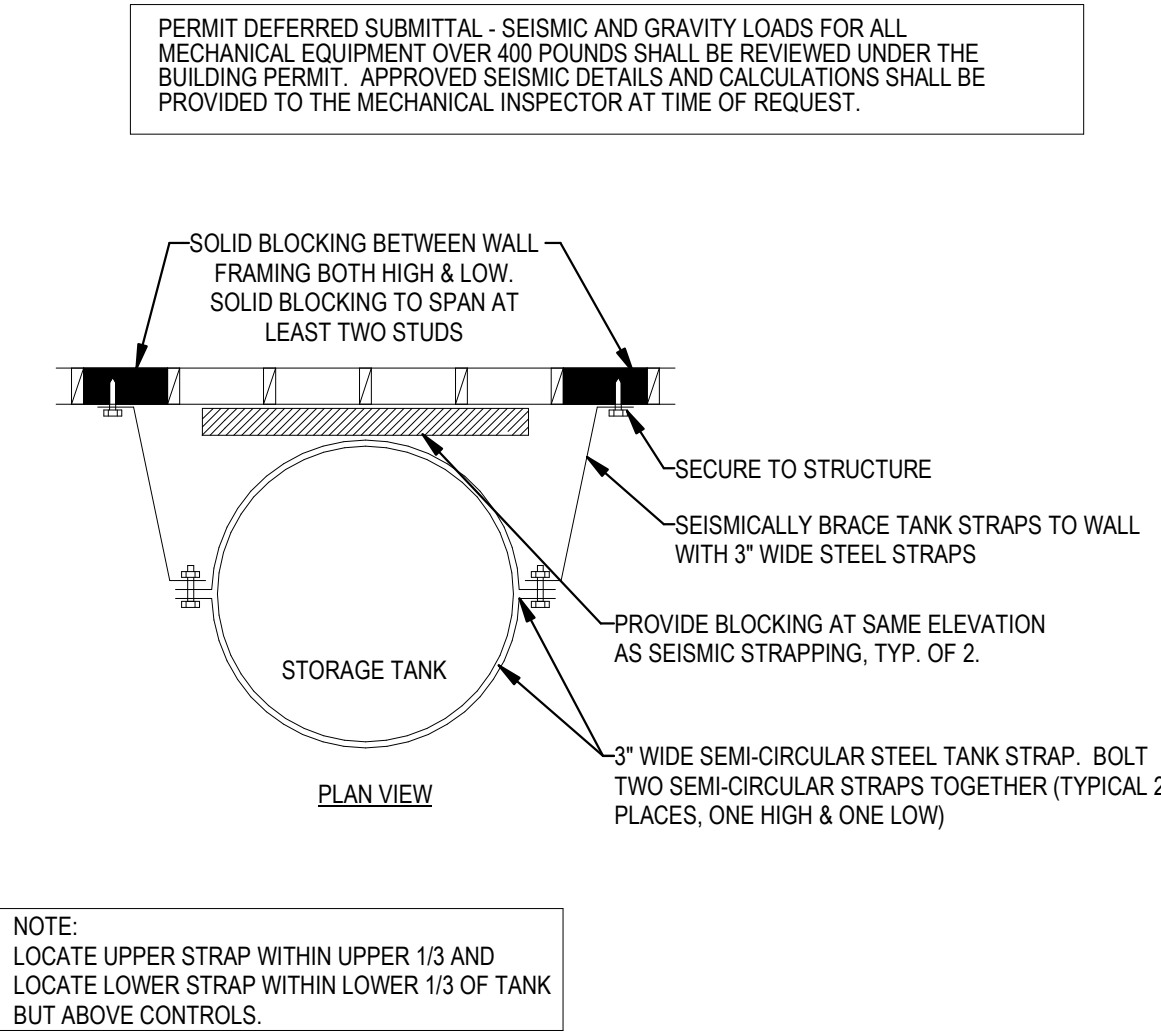
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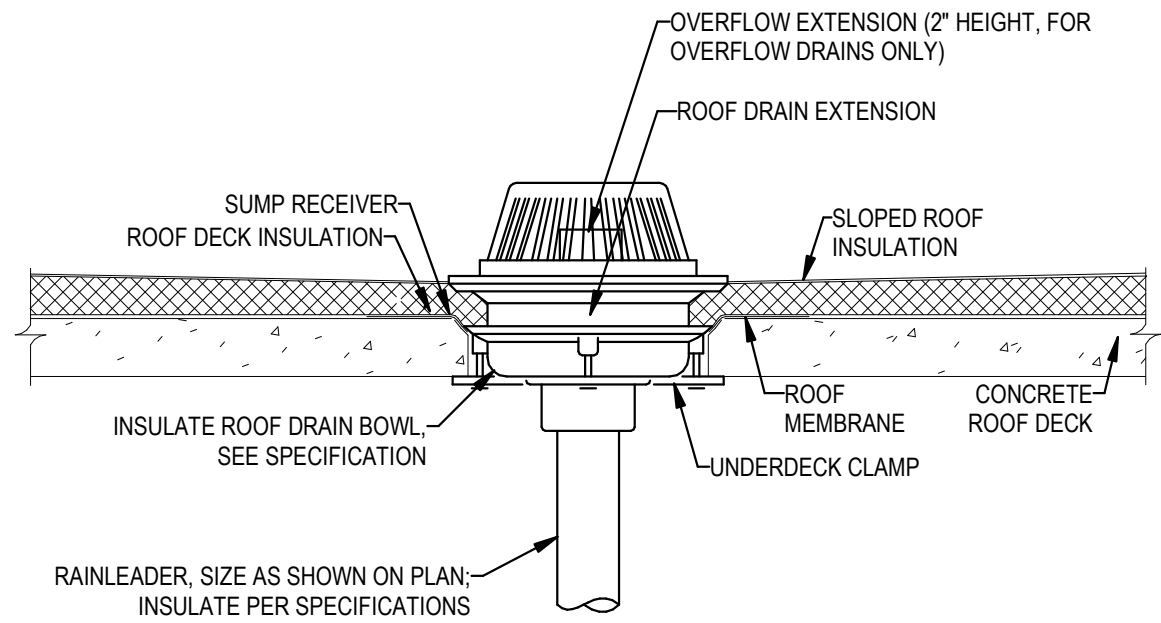
3 ELECTRIC WATER HEATER WITH RECIRC PUMP AND MIXING VALVE DETAIL
SCALE: NTS



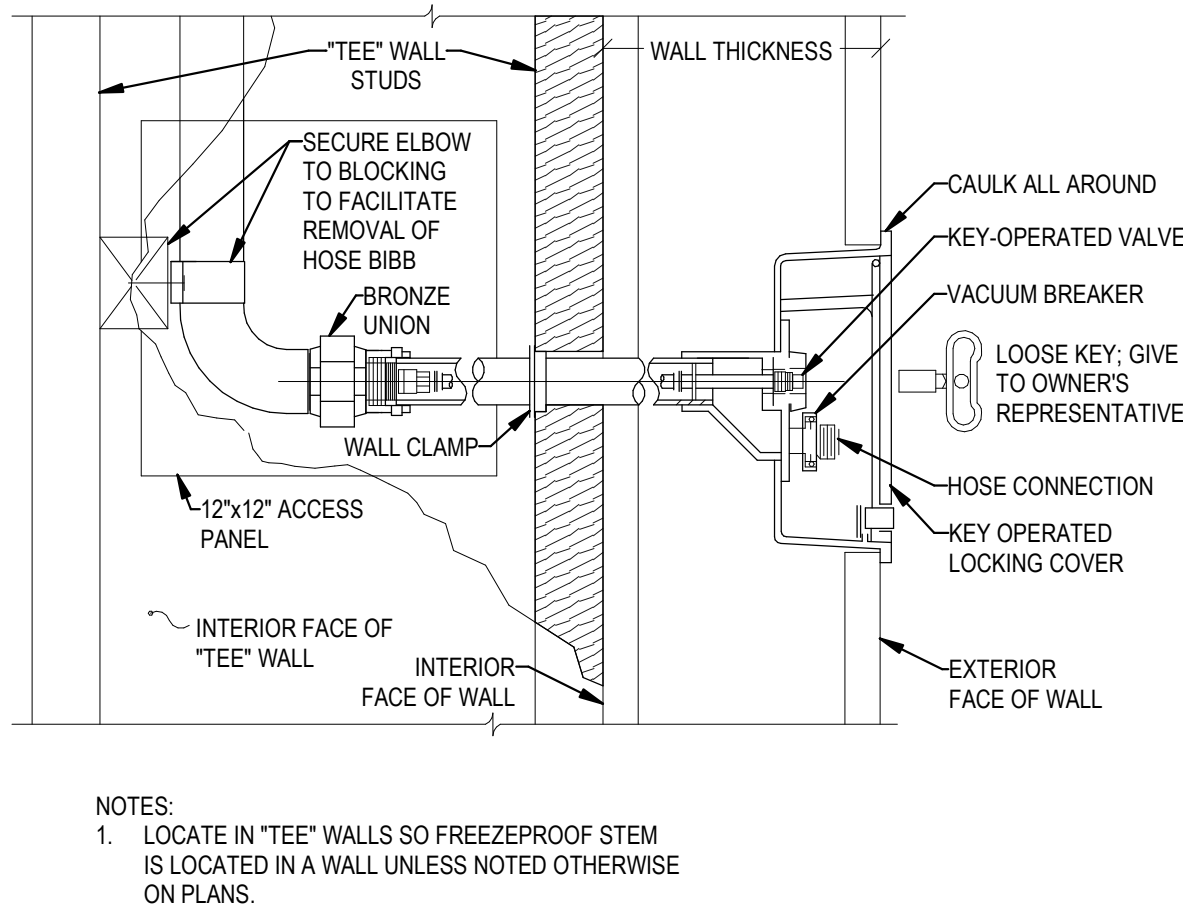
6 PRESSURE ACTIVATED TRAP PRIMER DETAIL
SCALE: NTS



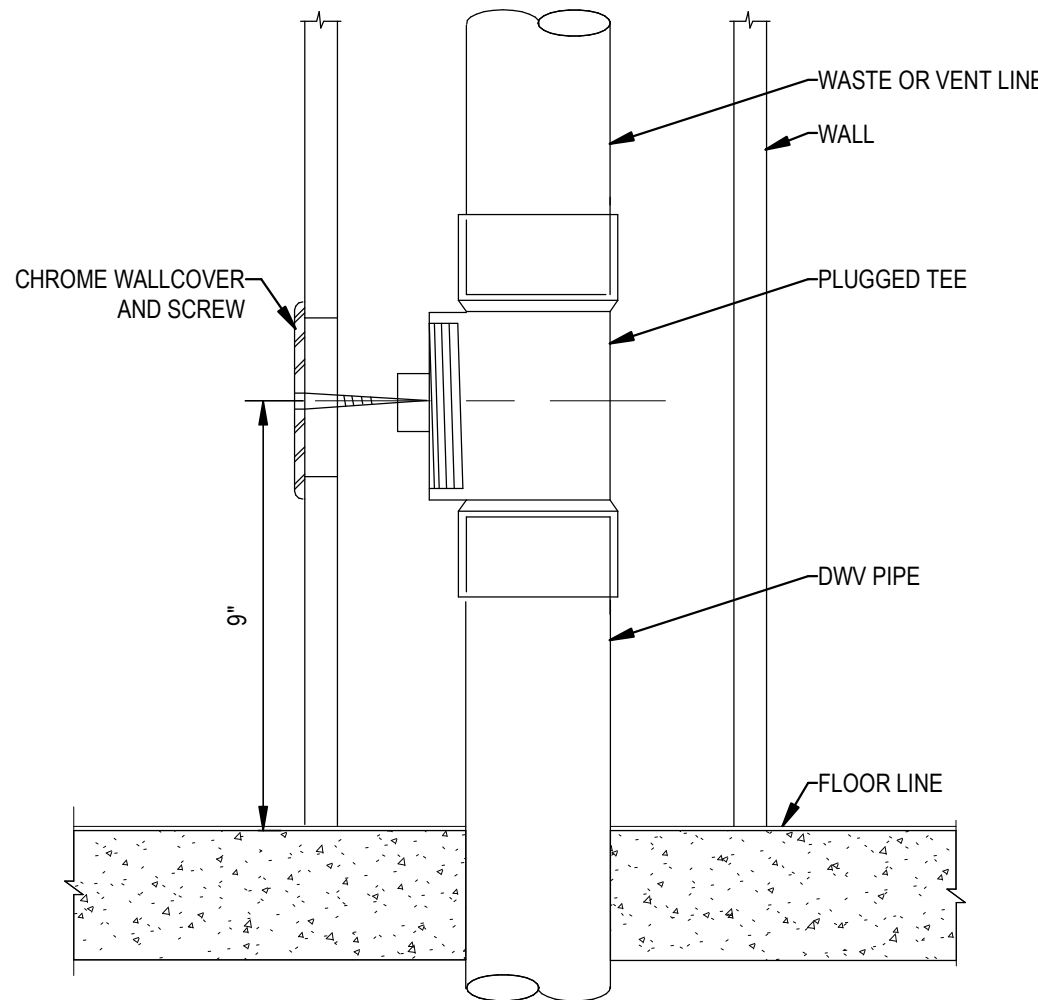
2 WATER HEATER SEISMIC BRACING DETAIL
SCALE: NTS



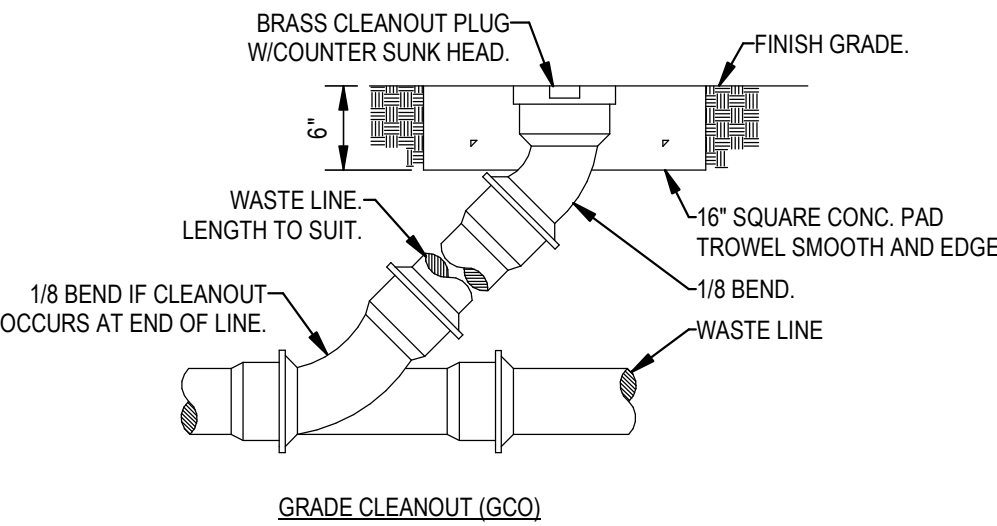
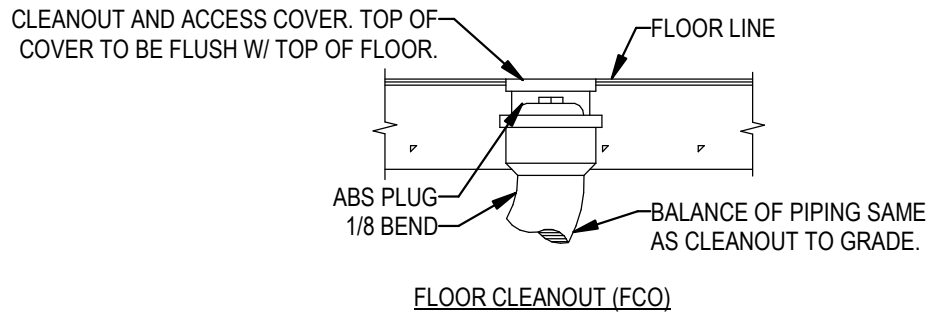
5 ROOF DRAIN AND OVERFLOW DETAIL
SCALE: NTS



1 FREEZEPROOF WALL HYDRANT DETAIL
SCALE: NTS



4 WALL CLEANOUT DETAIL
SCALE: NTS

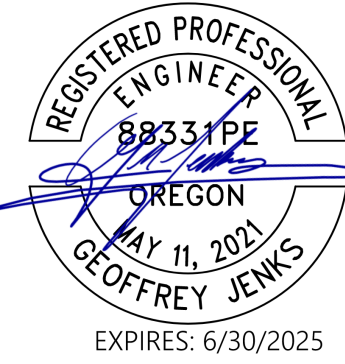


7 CLEANOUT DETAILS
SCALE: NTS

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ISSUES

PHASE BID DOCUMENTS

DATE ISSUE DATE: 05/16/2025

JOB NUMBER 23-105

MARK	DATE	DESCRIPTION
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SHEET NAME

PLUMBING DETAILS

SHEET NUMBER

P7.00

DEMOLITION NOTES

- A. THE EXISTING CONDITIONS SHOWN WERE TAKEN FROM AVAILABLE RECORD INFORMATION. FIELD VERIFY ALL CONDITIONS THAT MAY AFFECT CONSTRUCTION. IF ANY DISCREPANCIES ARE DISCOVERED, NOTIFY THE ENGINEER IN WRITING AND REQUEST DIRECTION PRIOR TO COMMENCING WORK.
- B. EXISTING LIGHT FIXTURES SHALL BE CAREFULLY REMOVED (DO NOT DAMAGE) AND RETURNED TO THE OWNER.
- C. ANY AND ALL EQUIPMENT HAVING ELECTRICAL CONNECTIONS THAT REQUIRE DISCONNECTING AND/OR RE-CONNECTING AS A RESULT OF CONSTRUCTION SHALL BE INCLUDED AS A PART OF THIS CONTRACT.
- D. THE EXISTING ELECTRICAL DEVICES, CONDUIT, AND/OR EQUIPMENT THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION SHALL BE RELOCATED UNLESS OTHERWISE NOTED. LOCATION IS TO BE AS CLOSE AS POSSIBLE TO THE ORIGINAL LOCATION.
- E. ALL CIRCUITS, CONDUIT AND WIRE THAT ARE NOT TO REMAIN IN SERVICE SHALL BE REMOVED BACK TO THE FIRST ACCESSIBLE JUNCTION BOX WHERE IT SHALL BE TIED OFF AND LABELED AS SPARE WITH CIRCUIT NUMBER INDICATED.
- F. REMOVE ALL ABANDONED WIRE AND CABLING.

GENERAL NOTES

1. SYMBOLS LEGENDS ARE PROVIDED FOR REFERENCE PURPOSES ONLY. THE SYMBOLS REPRESENT THE TYPE OF DEVICES THAT MAY BE REQUIRED IN THE WORK; QUANTITIES AND LOCATIONS ARE AS SHOWN ON THE PLAN SHEETS.
2. PROVIDE 3/4" CONDUIT & #12 CONDUCTORS UNLESS NOTED OTHERWISE. PROVIDE ONE NEUTRAL CONDUCTOR FOR EACH UNGROUNDED CONDUCTOR OF SINGLE PHASE LINE-NEUTRAL BRANCH CIRCUITS. DO NOT SHARE NEUTRAL CONDUCTORS.
3. EACH FEEDER AND BRANCH CIRCUIT CONDUIT SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH NFPA 70, ARTICLE 250.
4. ALL ELECTRICAL EQUIPMENT IN PORTIONS OF THE BUILDING NOT BEING REMODELED SHALL BE LEFT IN WORKING CONDITION. RESTORE ANY CIRCUITS INTERRUPTED.
5. ALL NEW LIGHT FIXTURES AND FIXTURES IN AREAS ADJACENT DEMOLITION & CONSTRUCTION AREAS ARE TO BE THOROUGHLY CLEANED IMMEDIATELY PRIOR TO NOTICE OF SUBSTANTIAL COMPLETION.
6. THE FOLLOWING IS PART OF THIS PROJECT AND ALL COSTS PERTAINING THERETO SHALL BE INCLUDED IN THE BASE BID:
- A. NEW ELECTRICAL EQUIPMENT AND APPARATUS SHALL BE COORDINATED AND CONNECTED INTO THE EXISTING SYSTEM AS REQUIRED.
- B. POWER WIRING AND CABLE INSTALLATIONS SHALL BE CONCEALED ABOVE ACCESSIBLE CEILINGS AND IN WALLS. EXPOSED WIRING SHALL BE INSTALLED IN APPROVED SURFACE METAL RACEWAY WHERE INDICATED.
- C. WHERE EXISTING CONDUITS ARE INDICATED FOR REUSE, FIELD VERIFY INTEGRITY OF REUSED RACEWAYS PRIOR TO INSTALLATION OF CONDUCTORS. PROVIDE NEW RACEWAYS WHERE EXISTING ARE UNUSABLE.
- D. LOCATIONS OF ALL WALL MOUNTED DEVICES SUCH AS SWITCHES, RECEPTACLES, AND OUTLETS ARE SHOWN DIAGRAMMATICALLY. DETERMINE EXACT DEVICE LOCATIONS IN FIELD; COORDINATE INSTALLATIONS WITH FIXED CASEWORK, DOORS AND RELITES.
- E. PROVIDE PENETRATIONS THROUGH WALLS, FLOORS, AND CEILINGS AS REQUIRED. PROVIDE SUITABLE FIRE RATED MATERIALS AND SEAL ALL CEILING, FLOOR, AND WALL PENETRATIONS TO MATCH FIRE RATING OF SURFACES PENETRATED.

LIGHTING AND RECEPTACLE NOTES

1. LIGHTING SYSTEMS SHALL BE PROVIDED WITH CONTROLS AS ZONED ON THE LIGHTING PLANS. SWITCHING AND DIMMING ZONES ARE INDICATED ADJACENT TO EACH FIXTURE.
2. MANUAL CONTROLS SHALL ALLOW OCCUPANTS TO UNIFORMLY REDUCE ILLUMINATION LEVELS AT LEAST 50%. EXCEPTION: CORRIDORS, RESTROOMS, LOBBIES, MECHANICAL, ELECTRICAL, AND INFORMATION TECHNOLOGY (IDF) ROOMS CONTROLLED BY OCCUPANCY SENSORS.
3. EACH AREA THAT IS REQUIRED TO HAVE A MANUAL CONTROL SHALL ALSO HAVE AUTOMATIC TIME SWITCH CONTROL. PROVIDE TIMED OVERRIDE SWITCHES THAT WILL SERVE A MAXIMUM AREA OF 2500 SF IN LOCATIONS SHOWN ON PLANS. EXCEPTIONS:
- A. EMERGENCY EGRESS LIGHTING CONTROLLED BY OCCUPANCY SENSORS.
- B. LIGHTING IN SPACES CONTROLLED BY OCCUPANCY SENSORS.
4. LUMINAIRES PROVIDING MEANS OF EGRESS ILLUMINATION AND HAVING BOTH NORMAL AND EMERGENCY POWER SOURCES SHALL BE CONTROLLED BY A COMBINATION OF U.L. 924 LISTED EMERGENCY RELAYS AND OCCUPANCY SENSORS THAT ENABLES THE LIGHTING TO BE SHUT OFF WHEN THE AREAS SERVED ARE UNOCCUPIED AND AUTOMATICALLY ILLUMINATES IN THE EVENT OF NORMAL POWER SOURCE FAILURE.
5. THE MAXIMUM LIGHTING POWER THAT MAY BE CONTROLLED FROM A SINGLE SWITCH OR AUTOMATIC CONTROL SHALL NOT EXCEED THAT WHICH IS PROVIDED BY A 20 AMPERE CIRCUIT LOADED TO NOT MORE THAN 80 PERCENT.
6. PROVIDE FUNCTIONAL TESTING OF AUTOMATIC LIGHTING CONTROLS. SUBMIT WRITTEN PROCEDURES FOR FUNCTIONAL TESTING OF ALL AUTOMATIC CONTROLS WITH DESCRIPTION OF THE EXPECTED SYSTEM RESPONSE.

STRUCTURED CABLE SYSTEM PATHWAY NOTES

1. SYSTEM CABLING PATHWAYS SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT VERSION OF TIA-569.
2. CABLE SUPPORTS SHALL NOT BE PLACED MORE THAN 5' APART.
3. CABLE "SAG" BETWEEN SUPPORTS SHALL NOT EXCEED 12".
4. CABLE LENGTHS SHALL NOT EXCEED 295', INCLUDING PATCH CORD LENGTHS AT COMM ROOMS AND WORKSTATIONS. IF A CABLE LENGTH WILL EXCEED 295', INFORM THE ICT ENGINEER IMMEDIATELY BEFORE INSTALLATION.
5. CABLE MINIMUM BEND RADIUS AND MAXIMUM PULLING TENSION SHALL NOT BE EXCEED. REFER TO MANUFACTURER'S REQUIREMENTS AND REFERENCE DOCUMENTS.
6. CABLES SHALL BE INSTALLED IN CONTINUOUS LENGTHS FROM ORIGIN TO DESTINATION (NO SPLICES).
7. CABLES SHALL BE INSTALLED ABOVE FIRE-SPRINKLER SYSTEMS AND SUPPORTED INDEPENDENTLY OF SPRINKLER PIPING OR ANY ANCILLARY EQUIPMENT OR HARDWARE. THE CABLE SYSTEM AND SUPPORT HARDWARE SHALL BE INSTALLED SO THAT IT DOES NOT OBSCURE ANY VALVES, FIRE ALARM CONDUIT, BOXES, OR OTHER CONTROLLED DEVICES.
8. CABLES SHALL NOT BE ATTACHED TO CEILING GRID OR LIGHTING FIXTURE WIRES.
9. AT NO POINT SHALL CABLES REST ON ACOUSTIC CEILING GRIDS OR PANELS, OR BE ATTACHED TO ANY PORTION OF THE BUILDING MECHANICAL OR PIPING SYSTEMS. PROVIDE COMPLETE CABLE SUPPORT PATHWAYS CONSISTING OF CONDUIT, RACEWAY, LADDER RACK, CABLE TRAY, J-HOOKS OR BRIDAL RINGS.
10. ANY CABLE DAMAGED DURING INSTALLATION OR EXCEEDING RECOMMENDED INSTALLATION PARAMETERS SHALL BE REPLACED PRIOR TO FINAL ACCEPTANCE AT NO ADDITIONAL COST TO THE OWNER.
11. CABLES AND PATHWAYS SHALL BE CLEARLY LABELED IN ACCORDANCE WITH TIA-606-C.
12. PROVIDE "VELCRO" TYPE (HOOK AND LOOP) TIE WRAPS FOR BUNDLING / MANAGING HORIZONTAL AND BACKBONE CABLING. PLACE EVERY 5' FOR CABLE RUNS IN CEILING AND EVERY 18" AFTER ENTERING TELECOMMUNICATIONS ROOM. PLASTIC "ZIP-TIES" SHALL NOT BE PERMITTED WITHIN THE STRUCTURED CABLING SYSTEM.
13. HORIZONTAL UTP PAIR UNTWIST AT THE TERMINATION SHALL NOT EXCEED 0.5".
14. PROVIDE (1) 2" CONDUIT SLEEVE WITH INSULATED BUSHINGS FOR PENETRATION INTO OFFICES, EXAM ROOMS, ETC., AS REQUIRED TO FACILITATE CABLE ROUTING WHETHER SHOWN ON DRAWINGS OR NOT.
15. ALL PENETRATIONS MUST BE FIRE-STOPPED IN ACCORDANCE OF THE NFPA, NEC AND TO THE SATISFACTION OF THE AHI.
16. ALL TELECOMMUNICATION ROOMS AND PATHWAYS SHALL ADHERE TO TIA-569-D.
17. ALL TELECOMMUNICATION BONDING AND GROUNDING SHALL ADHERE TO TIA-607-D.
18. NOT ALL PARTS SHOWN. ENSURE A COMPLETE WORKING INSTALLATION INCLUDING MISCELLANEOUS INSTALLATION MATERIALS, CONNECTORS, CONSUMABLES, AND APPURTENANCES.
19. PROVIDE NETWORK/TELEPHONY CABLES TO THE FOLLOWING LOCATIONS FROM THE NEAREST COMMUNICATIONS ROOM, UNLESS OTHERWISE NOTED.
- A. ELEVATOR CONTROL PANELS/ENCLOSURES
- B. BUILDING SYSTEM MANAGEMENT PANELS/ENCLOSURES
- C. ENERGY SYSTEM MANAGEMENT PANELS/ENCLOSURES
- D. FIRE ALARM CONTROL SYSTEM PANELS/ENCLOSURES
- E. ACCESS CONTROL SYSTEM PANELS/ENCLOSURES
- F. TWO-WAY EMERGENCY COMMUNICATIONS SYSTEMS PANELS/ENCLOSURES

ABBREVIATIONS

@	AT	MAG	MAGNETIC
A/C	AIR CONDITIONING(ER)	MAN	MANUAL
A	(AMP) AMPERE	MAT	MATERIAL
AC	ABOVE COUNTER, ALTERNATING CURRENT	MAX	MAXIMUM
ADJ	ADJUSTABLE	MCA	MINIMUM CIRCUIT AMPACITY
ADJT	ADJACENT	MCB	MAIN CIRCUIT BREAKER
AFF	ABOVE FINISHED FLOOR	MECH	MECHANICAL
AHU	AUTHORITY HAVING JURISDICTION	MEZZ	MEZZANINE
AIC	AMPERE INTERRUPTING CAPACITY	MG	MOTOR GENERATOR
ALT	ALTERNATE	MH	METAL HALIDE / MANHOLE
ANN	ANNUNCIATOR	MIN	MINIMUM
ARCH	ARCHITECT; ARCHITECTURAL	MISC	MISCELLANEOUS
ATS	AUTOMATIC TRANSFER SWITCH	MLO	MAIN LUG ONLY
AUTO	AUTOMATIC	MOCOP	MAXIMUM OVERCURRENT PROTECTION
AUX	AUXILIARY	MS	MAGNETIC STARTER
AWG	AMERICAN WIRE GAUGE	MTD	MOUNTED
		MTG	MOUNTING
		MTR	MOTOR
BKBD	BACKBOARD		
BKR	BREAKER	N	NORTH; NEUTRAL
BLDG	BUILDING	N/A	NOT APPLICABLE
		NC	NORMALLY CLOSED
C	CONDUIT	NEC	NATIONAL ELECTRICAL CODE
CAP	CAPACITY	NEMA	NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION
CB	CIRCUIT BREAKER		
CKT	CIRCUIT	NESC	NATIONAL ELECTRICAL SAFETY CODE
CLG	CEILING	NEUT	NEUTRAL
CLR	CLEAR	NFPA	NATIONAL FIRE PROTECTION ASSOCIATIONS
COL	COLUMN		
COM	COMMUNICATION	NIC	NOT IN CONTRACT
CPS	CYCLES PER SECOND	NO	NORMALLY OPEN
CT	CURRENT TRANSFORMER	NTS	NOT TO SCALE
CTL	CONTROL		
CU	COPPER		
		OC	ON CENTER
DC	DIRECT CURRENT	OCFI	OWNER FURNISHED CONTRACTOR
DISC SW	DISCONNECT SWITCH		INSTALLED
DISC	DISCONNECT	OFOI	OWNER FURNISHED OWNER INSTALLED
DN	DOWN	OL	OVERLOAD
DWG	DRAWING	OS	OPTIONAL STANDBY
E	EXIST, EAST	P	PRIMARY
EDH	ELECTRIC DUCT HEATER	PA	PUBLIC ADDRESS
EF	EXHAUST FAN	PAR	PARALLEL
EGC	EQUIPMENT GROUNDING CONDUCTOR	PB	PULL BOX
EL	ELEVATION	PE	PHOTO ELECTRIC
ELEC	ELECTRICAL	PF	POWER FACTOR
ELEV	ELEVATOR	PH	PHASE
EM	EMERGENCY	PIV	POST INDICATOR VALVE
EMT	ELECTRICAL METALLIC TUBING	PNL	PANEL
ENCL	ENCLOSURE	POC	POINT OF CONNECTION
ENTR	ENTRANCE	PWR	POWER
EP	EXPLOSION PROOF		
EPO	EMERGENCY POWER OFF	QTY	QUANTITY
EQUIPEQP	EQUIPMENT		
EW	ELECTRIC WATER COOLER	R (R)	RELOCATE (D)
EWL	ELECTRIC WATER HEATER	RAD	RADIUS
EXH	EXHAUST	RECP	RECEPTACLE
EXT	EXTERIOR	REF	REFRIGERATOR
EXIST	EXISTING	RLA	RATED LOAD AMPS
		RPM	REVOLUTIONS PER MINUTE
F	FAHRENHEIT/FUSE	S	SOUTH
FA	FIRE ALARM	SC	SECURITY
FAA	FIRE ALARM ANNUNCIATOR	SCCR	SHORT CIRCUIT CURRENT RATING
FACP	FIRE ALARM CONTROL PANEL	SD	SMOKE DETECTOR
FC	FOOTCANDLE	SECT	SECTION
FCU	FAN COIL UNIT	SF	SUPPLY FAN
FD	FIRE DAMPER	SHT	SHEET
FDR	FEEDER	SPD	SURGE PROTECTIVE DEVICE
FIXT	FIXTURE	SPEC	SPECIFICATION
FLA	FULL LOAD AMPS	SPL	SPECIAL
FSD	FIRE/SMOKE DAMPER	SO	SQUARE
		STOR	STORAGE
GEN	GENERATOR	SW	SWITCH
GFI	GROUND FAULT CIRCUIT INTERRUPTER	SWBD	SWITCHBOARD
GFR	GROUND FAULT RELAY	SYM	SYMMETRICAL
		SYS	SYSTEM
H	HEIGHT	T	THERMOSTAT
HID	HIGH INTENSITY DISCHARGE	TB	TERMINAL BOX
HOA	HAND OFF AUTOMATIC	TC	TIME CLOCK
HOR	HORIZONTAL	TEL	TELEPHONE
HP	HORSEPOWER	TV	TELEVISION
HR	HOUR	TYP	TYPICAL
HT	HEIGHT		
HW	HOT WATER		
HZ	HERTZ		
		UFC	UNIFORM FIRE CODE
IBC	INTERNATIONAL BUILDING CODE	UG	UNDERGROUND
IC	INTERCOM	UH	UNIT HEATER
IES	ILLUMINATING	UL	UNDERWRITERS LABORATORIES
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS	UN	UNLESS OTHERWISE NOTED
		UV	UNIT VENTILATOR
IG	ISOLATED GROUND		
IMC	INTERMEDIATE METAL CONDUIT	V	VOLT
IN	INCH	VAV	VARIABLE AIR VOLUME
		VEL	VELOCITY
		VM	VOLTMETER
		VOL	VOLUME
KCMIL	THOUSAND CIRCULAR MILLS	W	WATT, WEST
KVA	KILOVOLT AMPERES	W/	WITH
KVAR	KILOVOLT AMPERES REACTIVE	W/O	WITHOUT
KW	KILOWATT	WH	WATER HEATER
KWH	KILOWATT HOUR	WHM	WATT HOUR METER
		WP	WEATHERPROOF
LBS	POUNDS	X	REACTANCE
LF	LINEAR FEET (FEET)	XMTR	TRANSFORMER
LRA	LOCKED ROTOR AMPS	XMTR	TRANSMITTER
LS	LIFE SAFETY		
LT	LIGHT		
LTG	LIGHTING		
LV	LOW VOLTAGE	Z	IMPEDANCE
		&	AND
		I.E.:	THAT IS

ELECTRICAL SHEET INDEX	
E0.01	GENERAL NOTES, ABBREVIATIONS AND SHEET INDEX
E0.02	ELECTRICAL LEGEND
E0.03	ELECTRICAL LEGEND
ED1.01	ELECTRICAL DEMOLITION - LEVEL 1 PLAN
EL1.01	ELECTRICAL LIGHTING - LEVEL 1 PLAN
EP1.01	ELECTRICAL POWER - LEVEL 1 PLAN
EP1.21	ELECTRICAL - ROOF PLAN
E5.01	ELECTRICAL DETAILS
E5.02	ELECTRICAL DETAILS
E6.01	ELECTRICAL LIGHTING SCHEDULE
E6.02	ELECTRICAL SCHEDULES
E6.03	ELECTRICAL ONE-LINE DIAGRAM



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PROJECT INFORMATION

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ISSUES

PHASE		BID DOCUMENTS	
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JOB NUMBER		23-105	
MARK	DATE	DESCRIPTION	

SHEET NAME

GENERAL NOTES, ABBREVIATIONS AND SHEET INDEX

SHEET NUMBER

E0.01

SYMBOLS LEGEND - GENERAL	
SYMBOL	DESCRIPTION
	DRAWING CONSTRUCTION ("FLAG") NOTE
	EQUIPMENT IDENTIFIER
	MATCHLINE
	REVISION CLOUD (ENCIRCLES DRAWING CHANGES MADE SINCE THE PREVIOUS RELEASE)
	REVISION REFERENCE
	EXISTING TO BE REMOVED (DASHED)
	HEAVY LINEWEIGHT INDICATES NEW WORK
	LIGHT LINEWEIGHT INDICATES EXISTING INFORMATION
	POINT OF CONNECTION
	LIMIT OF DEMOTION
	DETAIL REFERENCE -DETAIL IDENTIFICATION NUMBER -SHEET WHERE DETAIL IS DRAWN
	ELEVATION REFERENCE -ELEVATION IDENTIFICATION -NUMBER SHEET WHERE ELEVATION IS DRAWN
	SECTION REFERENCE SECTION -IDENTIFICATION NUMBER -SHEET WHERE SECTION IS DRAWN
	NORTH REFERENCE

SYMBOLS LEGEND - GENERAL	
SYMBOL	DESCRIPTION
	CONDUIT CONCEALED IN CEILING SPACE OR IN WALL. PROVIDE MINIMUM 3/4" WITH #12 AWG CONDUCTORS AND DEDICATED NEUTRAL EACH CIRCUIT UNLESS OTHERWISE NOTED ON PLAN. PROVIDE EQUIPMENT GROUNDING CONDUCTORS SIZED PER NFPA 70.
	FLEXIBLE METAL CONDUIT
	CONDUIT - CONCEALED IN OR UNDER FLOOR
	CONDUIT - ROUTED UNDERGROUND
	LOW-VOLTAGE WIRING (CLASS B)
	CONDUIT OR CABLE VERTICAL DOWN
	CONDUIT OR CABLE VERTICAL UP
	CONDUIT STUB - TERMINATE WITH BUSHING OR CAP IF UNDERGROUND
	BREAK LINE
	CONDUIT SEAL
	EXPANSION FITTING
	CABLE TRAY
	-BRANCH CIRCUIT NUMBERS
	-PANEL DESIGNATION
	-HOME RUN TO SOURCE OF SUPPLY
	CONDUCTORS - CONNECTED
	CONDUCTORS - NOT CONNECTED
	JUNCTION BOX
	PULLBOX - SIZE AS INDICATED OR AS REQUIRED BY CODE
	HANDHOLE
	MANHOLE

SYMBOLS LEGEND - POWER	
SYMBOL	DESCRIPTION
	TRANSFORMER
	POLE-MOUNTED TRANSFORMER
	POLE
	DELTA
	WYE
	MEDIUM VOLTAGE CABLE TERMINATOR
	LIGHTNING ARRESTORS
	SURGE ARRESTORS
	NEUTRAL GROUNDING RESISTOR
	METER
	MICROPROCESSOR CONTROLLED MONITOR REFER TO SPECIFICATIONS FOR METERING VALUES AND PROTECTIVE FUNCTIONS
	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER
	INDICATING INSTRUMENT AM-AMMETER; VM-VOLTMETER; FM-FREQUENCY METER; KVAR-KILOVAR METER, KWH-KILOWATT HOUR METER; KWH-D-KILOWATT HOUR DEMAND METER
	INSTRUMENT SWITCH AS-AMMETER SWITCH; VS-VOLTMETER SWITCH; SS-SYNCHRONIZING SWITCH; SV-SUPERVISORY (LOCAL-REMOTE) SWITCH
	SEPARABLE CONNECTOR
	DRAWOUT AC TYPE POWER CIRCUIT BREAKER

SYMBOLS LEGEND - POWER	
SYMBOL	DESCRIPTION
	CIRCUIT BREAKER ST - INDICATES SHUNT TRIP
	ENCLOSED CIRCUIT BREAKER (PLAN VIEW) xxxA/xP - AMPS/POLES
	ENCLOSED CIRCUIT BREAKER (ONE-LINE DIAGRAM) xxxA/xP - AMPS/POLES
	BREAKER WITH EXTERNAL GROUND FAULT RELAY AND CT
	CIRCUIT BREAKER WITH INTEGRAL GROUND FAULT PROTECTION
	MOTOR-OPERATED CIRCUIT BREAKER
	SWITCH WITH EXTERNAL GROUND FAULT RELAY AND CT
	MOV SURGE PROTECTION
	RESISTOR
	FUSE
	MOTOR THERMAL OVERLOADS - (3) UNLESS OTHERWISE NOTED
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED CONTACT
	SOLENOID VALVE
	MOTOR-OPERATED VALVE
	THERMOSTAT
	TERMINAL BLOCK
	INDICATING LIGHT - TYPE AS NOTED A-AMBER; B-BLUE; G-GREEN; R-RED; W-WHITE
	BATTERY

SYMBOLS LEGEND - POWER	
SYMBOL	DESCRIPTION
	2-POSITION SELECTOR SWITCH
	3-POSITION SELECTOR SWITCH HAND-OFF-AUTOMATIC
	ON-OFF SELECTOR SWITCH
	2-CIRCUIT PUSHBUTTON
	PUSHBUTTON SWITCH MOMENTARY CONTACT
	EQUIPMENT CONNECTION
	GENERATOR
	MOTOR CONNECTION
	SMOKE DAMPER
	FIRE SMOKE DAMPER
	STARTER 3-POLE, NEMA SIZE 1 MINIMUM UNLESS NOTED OTHERWISE
	COMBINATION STARTER HP RATED, 3-POLE, NEMA SIZE 1 MINIMUM, UNLESS NOTED OTHERWISE - OVERCURRENT PROTECTION AS REQUIRED BY EQUIPMENT MANUFACTURER OR AS NOTED
	DISCONNECT SWITCH 3-POLE UNLESS NOTED OTHERWISE
	FUSED DISCONNECT SWITCH 3-POLE UNLESS NOTED OTHERWISE
	CONTACTOR
	RELAY COIL CR-CONTROL RELAY; TO-TIME DELAY RELAY; UV-UNDERVOLTAGE RELAY; M-MOTOR CONTACTOR;
	MOTOR-RATED SWITCH - SIZE OL PER MOTOR REQUIREMENTS
	EQUIPMENT EMERGENCY SHUTDOWN SWITCH

SYMBOLS LEGEND - GROUNDING	
SYMBOL	DESCRIPTION
	GROUND CONNECTION
	GROUND ROD
	GROUND WELL
	AIR TERMINAL

SYMBOLS LEGEND - WIRING DEVICES	
SYMBOL	DESCRIPTION
	SINGLE-POLE WALL SWITCH MOUNT SWITCHES AT 48" AFF. TO TOP, UON.
	WALL SWITCH - SUBSCRIPT 2 = 2-POLE LV = LOW-VOLTAGE 3 = 3-WAY OS = OCCUPANCY SENSOR TYPE 4 = 4-WAY OP = OCCUPANCY/PHOTOELECTRIC TYPE K = KEYED WP = WEATHERPROOF LOWER CASE LETTER INDICATES SWITCHING GROUP MOUNT SWITCHES AT "48" AFF. TO TOP, UON. ANY COMBINATION OF SWITCH TYPES CAN BE USED (IE. 3K = 3-WAY KEYED SWITCH) SPECIAL PURPOSE RECEPTACLE TYPE AS SHOWN ON PLANS
	SINGLE SERVICE OR COMBINATION FLUSH MOUNTED FLOOR BOX. REFER TO FLOOR PLANS FOR DEVICES.
	SINGLE SERVICE OR COMBINATION FLUSH FLOOR POKE THRU. REFER TO FLOOR PLANS FOR DEVICES.
	POWER/COMM POLE - FLOOR TO CEILING.
	SURFACE MOUNTED FLOOR BOX (PEDESTAL TYPE).
	PUSH BUTTON
	SIMPLEX RECEPTACLE NEMA 5-20R, "18" AFF UON
	NEMA 5-20R, "18" AFF UON
	TAMPER RESISTANT, NEMA 5-20R, "18" AFF UON
	SWITCHED RECEPTACLE, NEMA 5-20R, "18" AFF UON
	ISOLATED GROUND, NEMA 5-20R, "18" AFF UON
	NEMA 5-20R W/ GROUND FAULT CIRCUIT INTERRUPTER, "18" AFF UON
	SPLIT WIRED, NEMA 5-20R, "18" AFF UON
	CONTROLLED, NEMA 5-20R, "18" AFF UON
	NEMA 5-20R, ABOVE COUNTER. COORDINATE WITH CASEWORK SHOP DRAWINGS AND ARCHITECTURAL DRAWINGS.
	NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER, ABOVE COUNTER. COORDINATE WITH CASEWORK SHOP DRAWINGS AND ARCHITECTURAL DRAWINGS.
	TAMPER RESISTANT, NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER, ABOVE COUNTER. COORDINATE WITH CASEWORK SHOP DRAWINGS AND ARCHITECTURAL DRAWINGS.
	NEMA 5-20R, CONNECTED TO EMERGENCY CIRCUIT, "18" AFF UON
	NEMA 5-20R ON EMERGENCY CIRCUIT MOUNTED ABOVE COUNTER. COORDINATE WITH CASEWORK SHOP DRAWINGS AND ARCHITECTURAL DRAWINGS.
	CEILING-MOUNTED, NEMA 5-20R
	NEMA 5-20R WITH USB CHARGER - (2) TYPE A USB PORTS
	TAMPER RESISTANT, NEMA 5-20R WITH USB CHARGER - (2) TYPE A USB PORTS



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SHEET NAME

ELECTRICAL LEGEND

SHEET NUMBER

E0.02

SYMBOLS LEGEND - LIGHTING	
SYMBOL	DESCRIPTION
	L1 ← LIGHT FIXTURE IDENTIFIER - REFER TO LUMINAIRE SCHEDULE A-1 ← PANEL NAME - CIRCUIT NUMBER Z-XXX-1 ← SWITCH DESIGNATION - MIDDLE DIGITS REFER TO ROOM NUMBER - END DIGITS REFER TO SWITCH LEG EM ← SUBSCRIPT (IF APPLICABLE) * IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: RL1/A-1/a/NL
	SHADING INDICATES LUMINAIRE ON EMERGENCY CIRCUIT OR WITH BATTERY BACKUP
	2x4 LUMINAIRE
	1x4 LUMINAIRE
	2x2 LUMINAIRE
	LINEAR LUMINARE
	WALL WASH LUMINAIRE
	WALL MOUNTED LUMINAIRE
	UNDER-CABINET LUMINAIRE
	STRIP LUMINAIRE
	DOWNLIGHT
	WALL WASH DOWNLIGHT LUMINAIRE
	WALL MOUNTED LUMINAIRE
	WALL MOUNTED DIRECTIONAL LUMINAIRE
	PENDANT MOUNTED LUMINAIRE
	TRACK LIGHT - LENGTH AS INDICATED ON PLANS NUMBER OF LUMINAIRES AS SHOWN
	POLE-MOUNTED LUMINAIRE - NUMBER OF LUMINAIRES AS SHOWN ON PLANS
	STREET LIGHT
	IN-GROUND LANDSCAPE LUMINAIRE
	ILLUMINATED EXIT SIGN - SINGLE FACE ARROW INDICATES DIRECTION OF EGRESS, UNIVERSAL MOUNT
	ILLUMINATED EXIT SIGN - DOUBLE FACE ARROW INDICATES DIRECTION OF EGRESS, UNIVERSAL MOUNT
	BATTERY-POWERED EMERGENCY WALLPACK
	COMBINATION BATTERY POWERED EMERGENCY WALLPACK AND ILLUMINATED EXIT SIGN

SYMBOLS LEGEND - LIGHTING	
SYMBOL	DESCRIPTION
	TIME CLOCK - TYPE AS NOTED
	LIGHTING CONTROL SYSTEM POWER PACK
	SWITCH BYPASS DEVICE
	ILLUMINATION CONTROL STATION
	OCCUPANCY SENSOR CEILING MOUNTED WITH POWER PACK - DUAL TECHNOLOGY TYPE UNLESS NOTED: U = ULTRASONIC P = PASSIVE INFRARED
	OCCUPANCY SENSOR WALL MOUNTED
	PHOTOELECTRIC CONTROL CEILING MOUNTED
	PHOTOELECTRIC CONTROL WALL MOUNTED

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SHEET NAME

ELECTRICAL
LEGEND

SHEET NUMBER

E0.03

FLAG NOTES



1. DEMOLISH DEVICE. DEMOLISH CONDUCTORS BACK TO NEXT DEVICE ON CIRCUIT A-14.
2. DEMOLISH (2) WALL MOUNT LIGHT FIXTURES. PULL CONDUCTORS BACK TO HOMERUN LOCATION.
3. DEMOLISH 100A 240V GENERAL DUTY DISCONNECT, RACEWAY, AND CONDUCTORS FROM FACE OF BUILDING. PULL CONDUCTORS BACK TO HOMERUN LOCATION. MARK CKT. AS "SPARE" IN PANEL.
4. REMOVE EXISTING CAMERA AND RETURN TO OWNER. DEMOLISH CABLING BACK TO SOURCE.

SHEET NOTES

- A. DEMOLISH ALL ELECTRICAL DEVICES AT EXISTING EXTERIOR WALL IN "AREA OF WORK".



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

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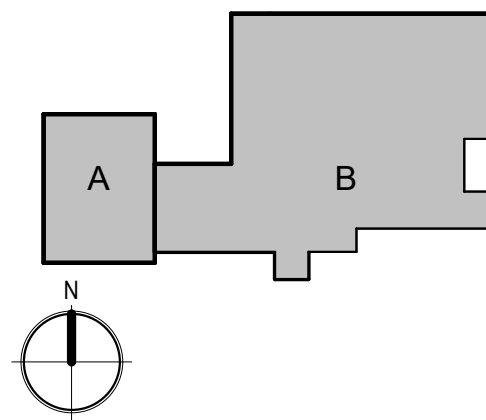
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KEY PLAN



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SHEET NAME

ELECTRICAL
DEMOLITION -
LEVEL 1 PLAN

SHEET NUMBER

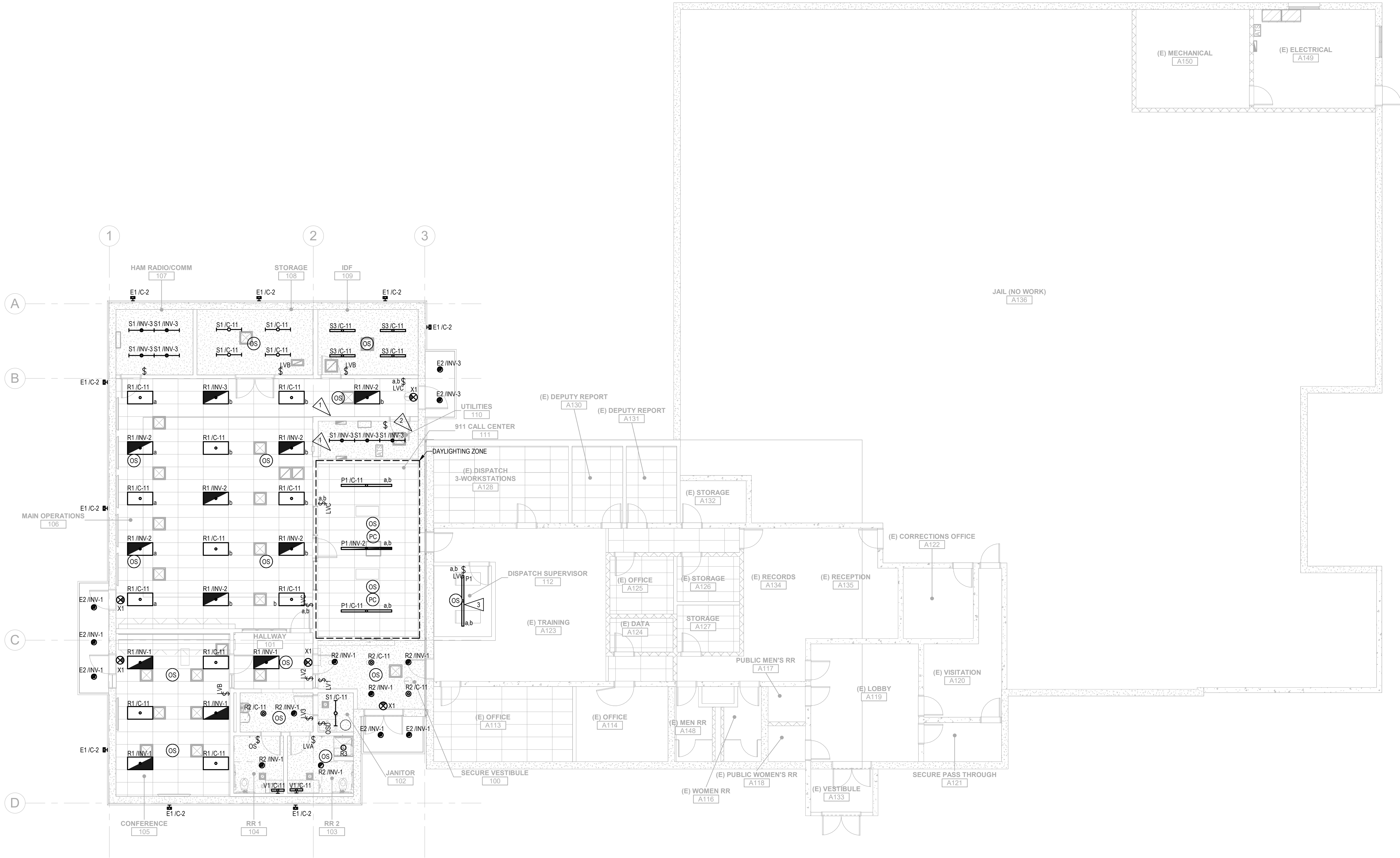
ED1.01

FLAG NOTES

- SEE EP1.01 ELECTRICAL POWER LEVEL 1 PLAN FOR INVERTER LAYOUT.
- SEE E6.02 FOR INVERTER SCHEDULE AND PANEL 'C' AND 'C1' SCHEDULES.
- PROVIDE 120V POWER FROM EXISTING LIGHTING CIRCUIT FOR THESE SPACES.

SHEET NOTES

- ALL LUMINAIRE LOCATIONS ON LIGHTING PLANS ARE DIAGRAMMATIC. REFER TO ARCHITECTURAL FOR DIMENSIONED FIXTURE LOCATIONS.
- REFER TO ARCHITECTURAL LIFE SAFETY DRAWING FOR EMERGENCY EGRESS REQUIREMENTS, ILLUMINATED EMERGENCY PATH OF EGRESS AND EXIT SIGN LOCATIONS. EXIT SIGN LOCATIONS, SHADING AND DIRECTIONAL ARROWS PER ARCHITECTURAL. PROVIDE UL924 DEVICES AS REQUIRED. EMERGENCY POWER TO LIGHT FIXTURES TO BE HARD WIRED.
- LIGHTING CONTROLS TO BE CODE COMPLIANT AND PER OWNER STANDARDS. REFER TO THE LIGHTING CONTROL MATRIX FOR SEQUENCE OF OPPS AND DESIGN INTENT.



1 ELECTRICAL LIGHTING - LEVEL 1 PLAN
SCALE: 1/8" = 1'-0"

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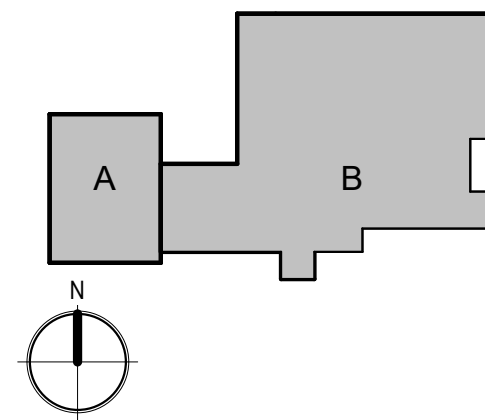
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SHEET NAME

ELECTRICAL
LIGHTING - LEVEL 1
PLAN

SHEET NUMBER

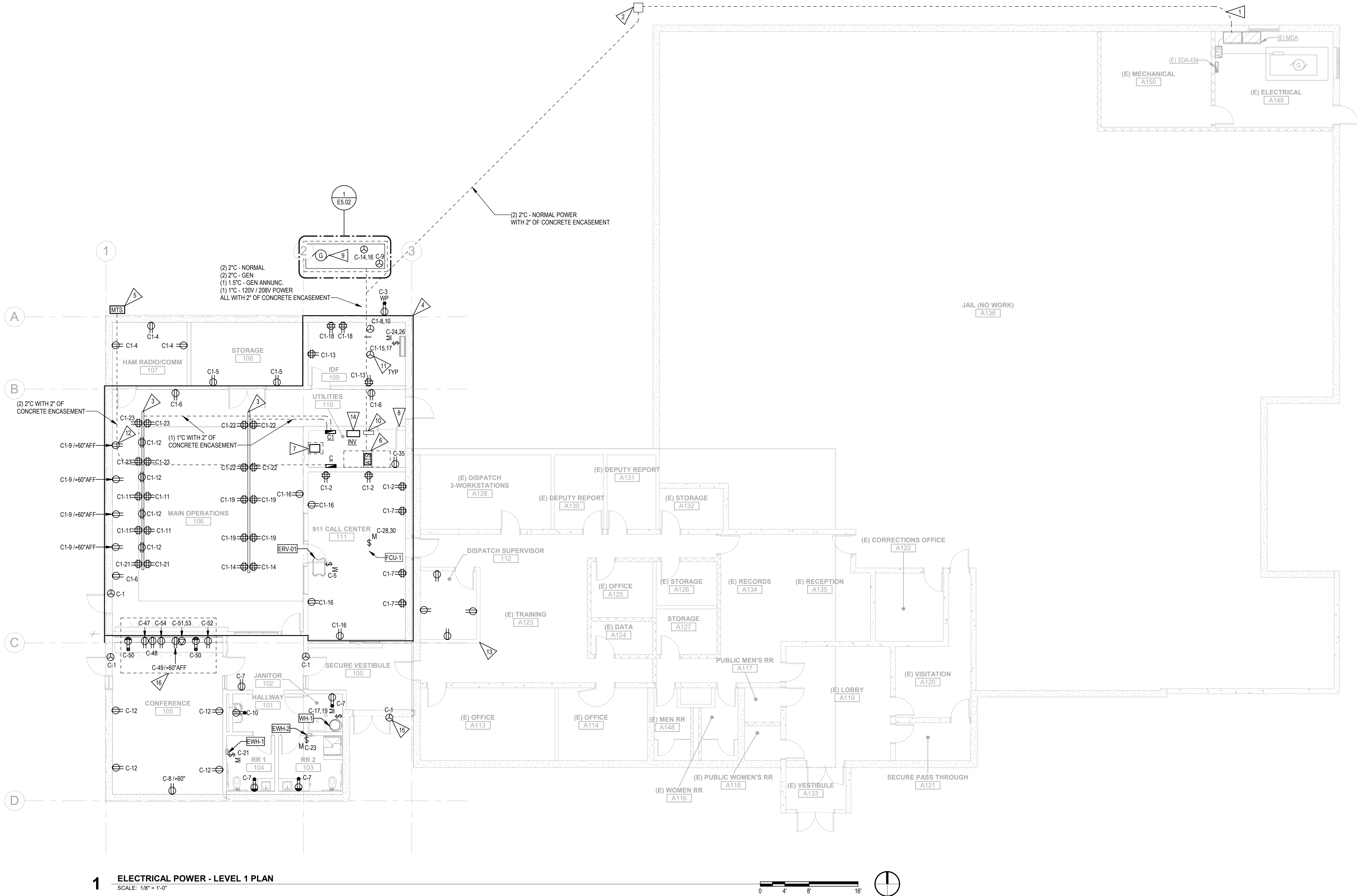
EL1.01

FLAG NOTES

- NEW FEEDER FOR PANEL 'C' FROM (E) 'MDA' ROUTE (2) 2" C UNDERGROUND WITH 2" OF CONCRETE ENCASEMENT PER 708.10(C)(1)(2).
- 17" X 30" X 18" HEAVY DUTY UNDERGROUND ENCLOSURE WITH STAMPED LID "ELECTRICAL". OLDCASTLE PRECAST #17301186 IS BASIS OF DESIGN.
- PROVIDE LEGRAND WALKERDUC PRO SERIES FOR POWER, DATA, AND AV CABLING. PROVIDE DEVICES, PLATES, ACTIVATION KITS, ETC. AS NECESSARY. CONFIRM COLOR, FINISH, AND FLOOR TYPE WITH ARCHITECT.
- AREA WITHIN BORDER IS CONSIDERED "DESIGNATED CRITICAL OPERATIONS AREA" - DCOA.
- 400A 4P MANUAL TRANSFER SWITCH FOR MOBILE GENSET DURING GENERATOR MAINTENANCE PER 708.20(F)(6).
- 400A 4P AUTOMATIC TRANSFER SWITCH RATED FOR EMERGENCY USE WITH BY-PASS ISOLATION TRANSFER SWITCH. PROVIDE 3" CONCRETE EQUIPMENT PAD FOR FLOOR MOUNTING. ASCO SERIES 700, J-FRAME, OPEN TRANSITION IS BASIS OF DESIGN.
- 20kVA / 20kW 3PHASE POWER CONDITIONER, VOLTAGE REGULATOR, & BATTERY BACKUP UPS. BASIS OF DESIGN IS EATON 9355 SERIES 20KVA.
- UTILITIES ROOM 110 TO BE 2-HR FIRE RATED AND DESIGNATED CRITICAL OPERATIONS POWER SYSTEMS ROOM.
- 100KW DIESEL FIRED (CONFIRM FUEL SOURCE WITH OWNER) GENSET PER 708.20(F) WITH BELLY TANK FOR 72 HOURS MINIMUM RUN TIME. PROVIDE 4" CONCRETE EQUIPMENT PAD PER MANUFACTURER'S INSTALLATION GUIDELINES. SEE E6.03 ONE LINE DIAGRAM.
- REMOTE GENERATOR ANNUNCIATOR PANEL.

SHEET NOTES

- THIS PROJECT'S EXPANSION IS CONSIDERED A "DESIGNATED CRITICAL OPERATIONS AREA." NEC ARTICLE 708 FOR CRITICAL OPERATIONS POWER SYSTEMS (COPS) APPLY THROUGHOUT.
- RMC, IMC, OR MI CABLE ARE ONLY APPROVED WIRING METHODS PER 708.10(C)(1) THROUGH (C)(3) FOR COPS. ALL CONDUCTORS TO BE RATED NOT LESS THAN 600V. PVC ALLOWED WHEN ENCASED IN 2" OF CONCRETE.
- ALL EQUIPMENT IN ELECTRICAL A149 IS EXISTING; NOT ALL EQUIPMENT IN ELECTRICAL A149 IS REPRESENTED.
- THERE WILL BE A SEISMIC JOINT BETWEEN THE EXISTING BLDG AND NEW ADDITION ALONG GRID LINE 3.
- DCOA BRANCH CIRCUITRY SHALL NOT BE SHARED WITH NON-DCOA BRANCH CIRCUITRY.
- ALL RECEPTACLES WITHIN DCOA SHALL HAVE ILLUMINATED FACE OR INDICATOR LIGHT. BOD IS HUBBELL 2182WLTRA.



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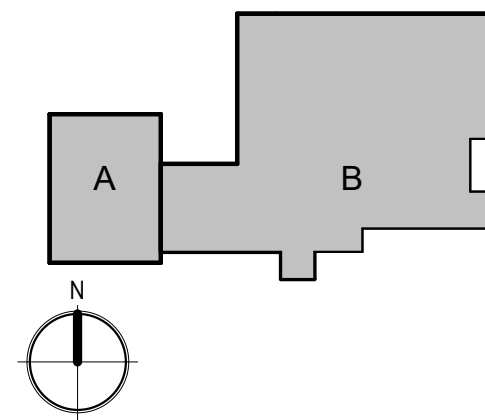
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Fax 503.416.2087
SAZAN # 958-24009

PROJECT INFORMATION

**BAKER EMERGENCY
OPERATIONS
CENTER**

3410 K STREET BAKER CITY, OR 97814

KEY PLAN



ISSUES

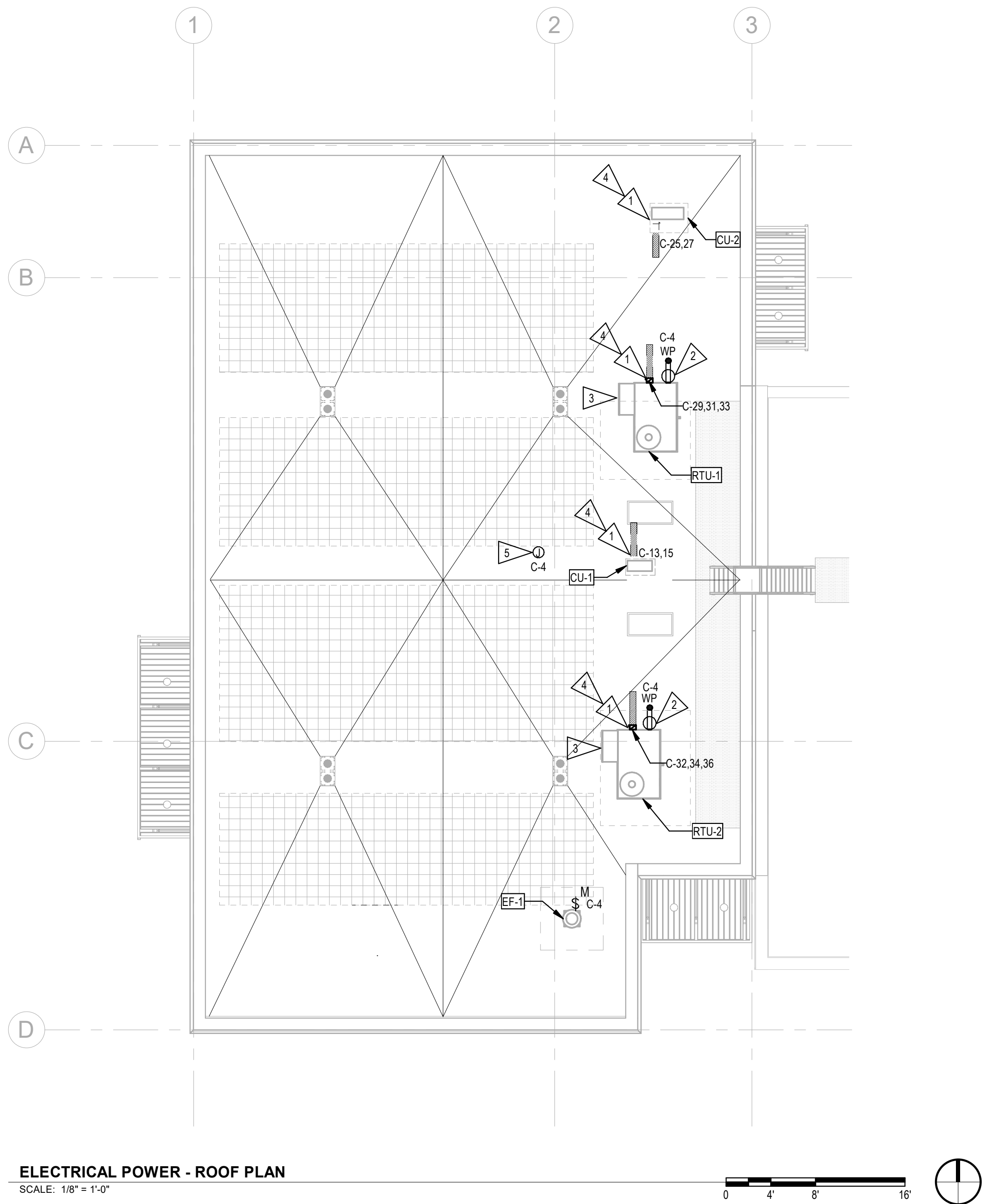
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DATE		ISSUE DATE: 05/16/2025
JOB NUMBER		23-105
MARK	DATE	DESCRIPTION

SHEET NAME

**ELECTRICAL
POWER - LEVEL 1
PLAN**

SHEET NUMBER

EP1.01



FLAG NOTES

1. PROVIDE FIELD FABRICATED STRUT CHANNEL MOUNTING FRAME FOR MOUNTING RECEPTACLE AND/OR DISCONNECT SWITCH INDEPENDENT OF THE ROOFTOP EQUIPMENT. COORDINATE ANCHORING METHOD WITH ROOFING SYSTEM INSTALLER.
2. PROVIDE WHILE-IN-USE WEATHERPROOF COVER.
3. SINGLE SOURCE POWER CONNECTION.
4. PROVIDE LABELS PER DETAILS 1 & 2 ON SHEET E5.01.
5. UL WET LISTED NORTH FACING PHOTOCELL ON ROOF. LOCATION SHOWN DIAGRAMMATICALLY. FIELD LOCATE TO BE EXPOSED TO FULL DAYLIGHT AND NOT SHADOWED OR EXPOSED TO ANY NIGHTTIME ILLUMINATION FROM ADJACENT SITES PER MANUFACTURERS RECOMMENDATIONS.

SHEET NOTES

- A. RAIN-TIGHT EMT IS WIRING METHOD ON ROOFTOP.
- B. PROVIDE ROOFTOP CONDUIT SUPPORT BLOCKS WITHIN 3' OF EVERY FITTING AND AT INTERVALS NOT EXCEEDING 10'. (NOTE: PER 310.15(B)(3)(c), CONDUIT MUST BE AT LEAST 7/8" ABOVE ROOFTOP OR AN ADDITIONAL 60 DEGREE F MUST BE ADDED TO THE AMBIENT TEMPERATURE CORRECTION FACTOR.)
- C. PROVIDE BOOT AND FLASHING FOR WATERPROOFING CONDUIT PENETRATIONS THROUGH ROOF SYSTEMS.



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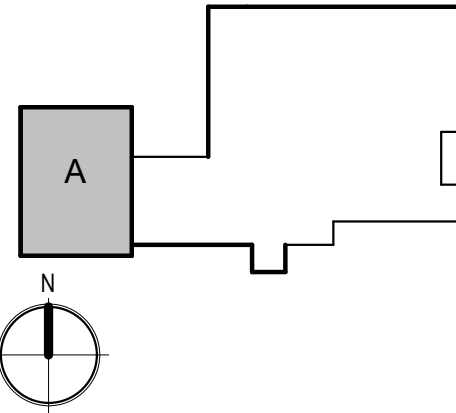
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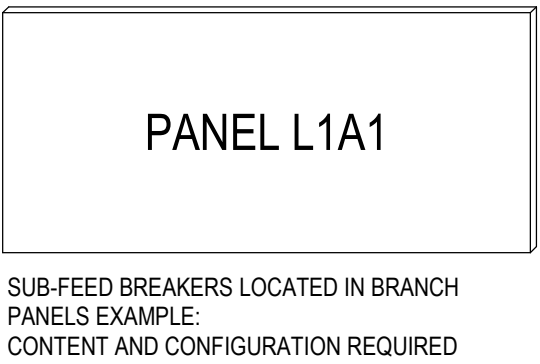
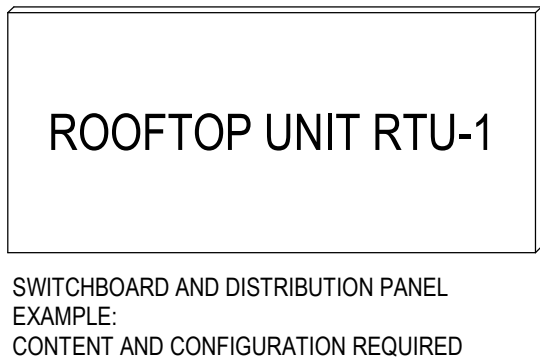
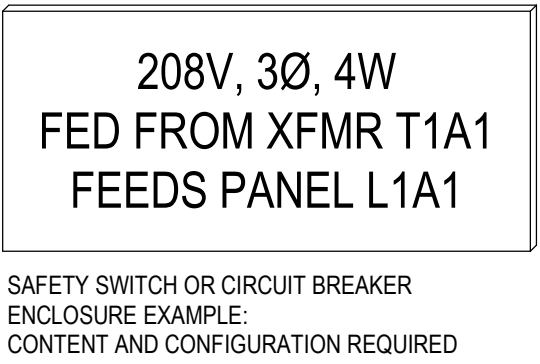
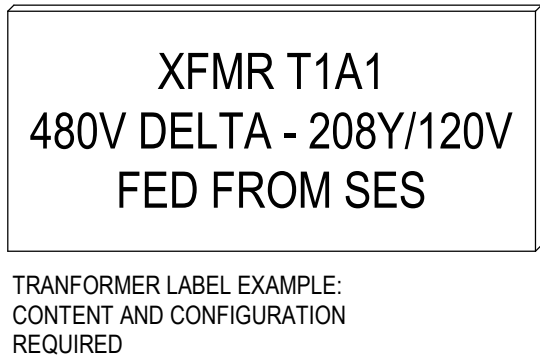
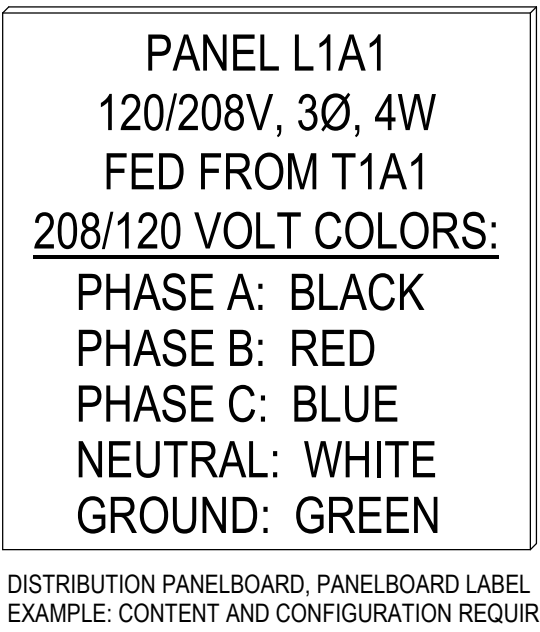
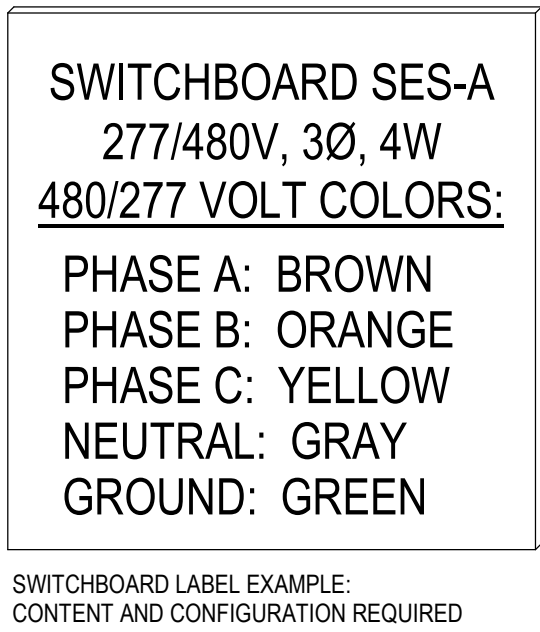
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SHEET NAME

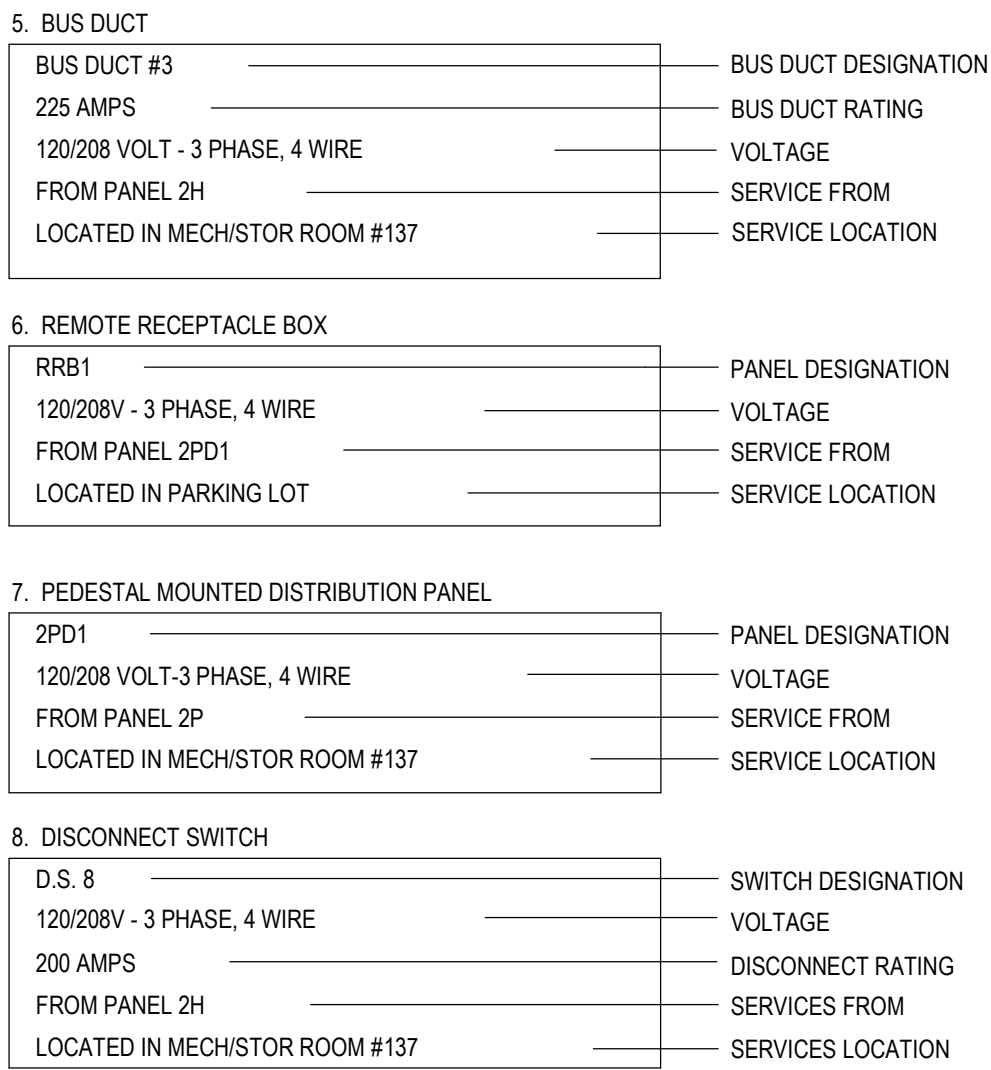
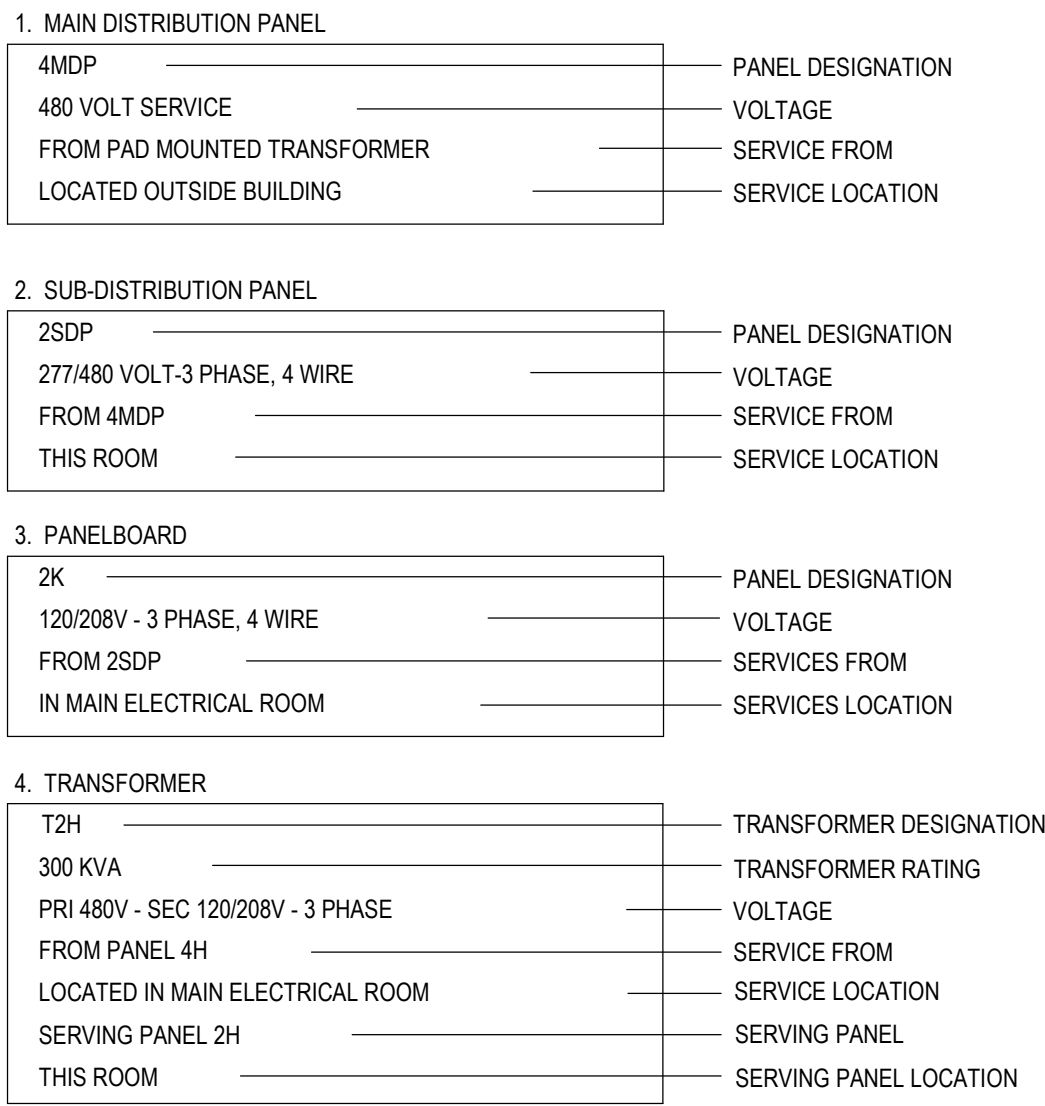
ELECTRICAL - ROOF PLAN

SHEET NUMBER

EP1.21

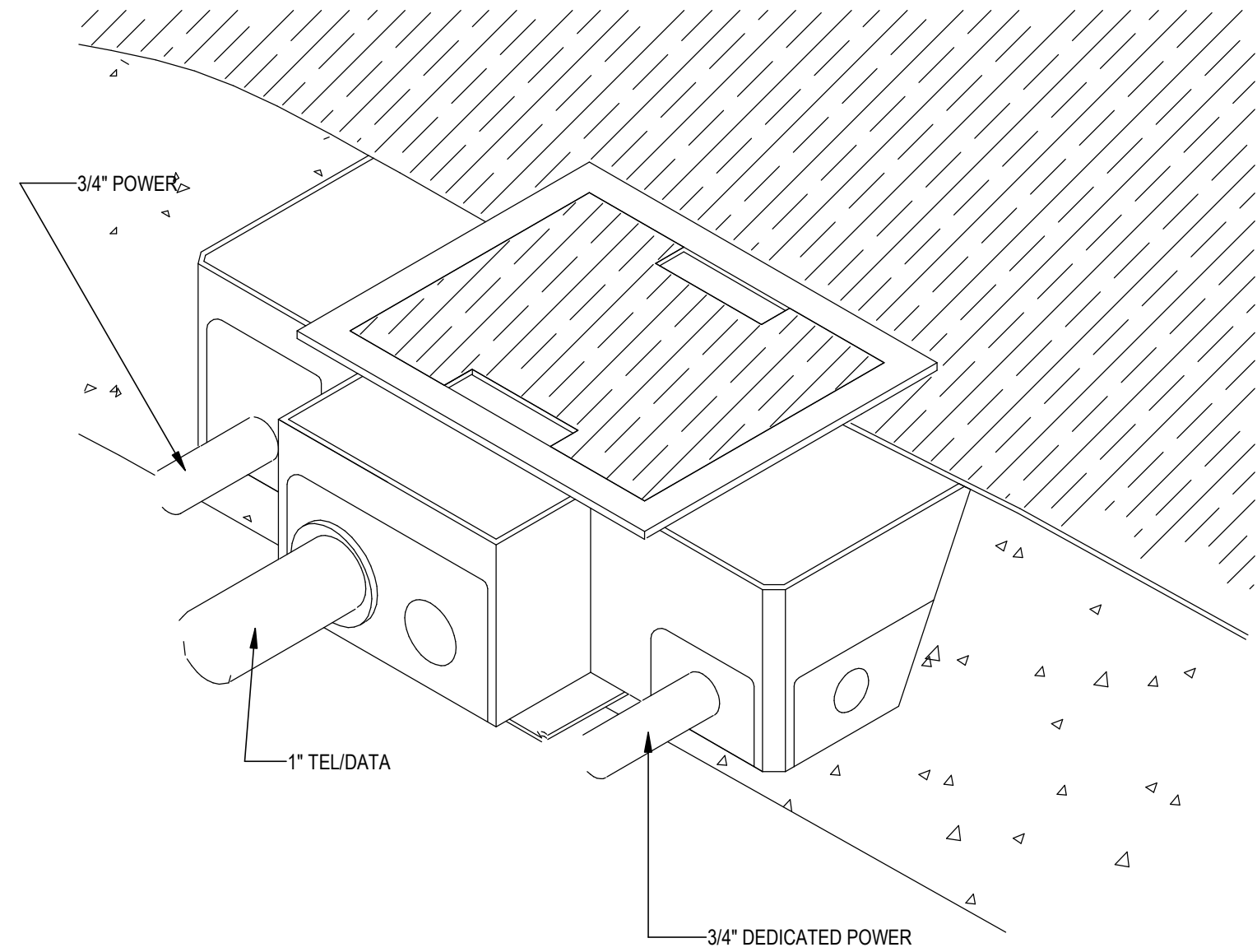


- EQUIPMENT LABELING DETAIL GENERAL NOTES:
- A. LABEL SHALL BE BLACK LAMINATED ACRYLIC OR MELAMINE WITH ENGRAVED LETTERING AND SELF-ADHESIVE BACK.
- B. LETTERING SHALL BE WHITE ON BLACK BACKGROUND AND 3/8-INCH HIGH MINIMUM.
- C. PROVIDE THE FOLLOWING INFORMATION ON SWITCHBOARD LABELS:
SWITCHBOARD TAG
SYSTEM VOLTAGE, PHASE, WIRE
CONDUCTOR COLORS
- D. PROVIDE THE FOLLOWING INFORMATION ON DISTRIBUTION PANELBOARD AND PANELBOARD LABELS:
DISTRIBUTION PANELBOARD OR PANELBOARD TAG
SYSTEM VOLTAGE, PHASE, WIRE
FED FROM
CONDUCTOR COLORS
- E. PROVIDE THE FOLLOWING INFORMATION ON TRANSFORMER LABELS:
TRANSFORMER TAG
SYSTEM PRIMARY AND SECONDARY VOLTAGE, WYE, DELTA, OR SINGLE PHASE
FED FROM
- F. PROVIDE THE FOLLOWING INFORMATION ON SAFETY SWITCH OR CIRCUIT BREAKER ENCLOSURE LABELS:
SYSTEM VOLTAGE, PHASE, WIRE
FED FROM
FEEDS (LOAD BEING SERVED)
- G. PROVIDE THE FOLLOWING INFORMATION AT INDIVIDUAL SWITCHBOARD AND DISTRIBUTION PANELBOARD BRANCH SWITCHES:
BRANCH SWITCH TAG (LOAD BEING SERVED)
- H. PROVIDE THE FOLLOWING INFORMATION AT INDIVIDUAL SUB-FEED BREAKERS LOCATED IN BRANCH PANELS:
BRANCH SWITCH TAG (LOAD BEING SERVED)
- I. CONDUCTOR COLORS SHALL ALSO FOLLOW REQUIREMENTS LISTED IN SPECIFICATIONS SECTION 260553.



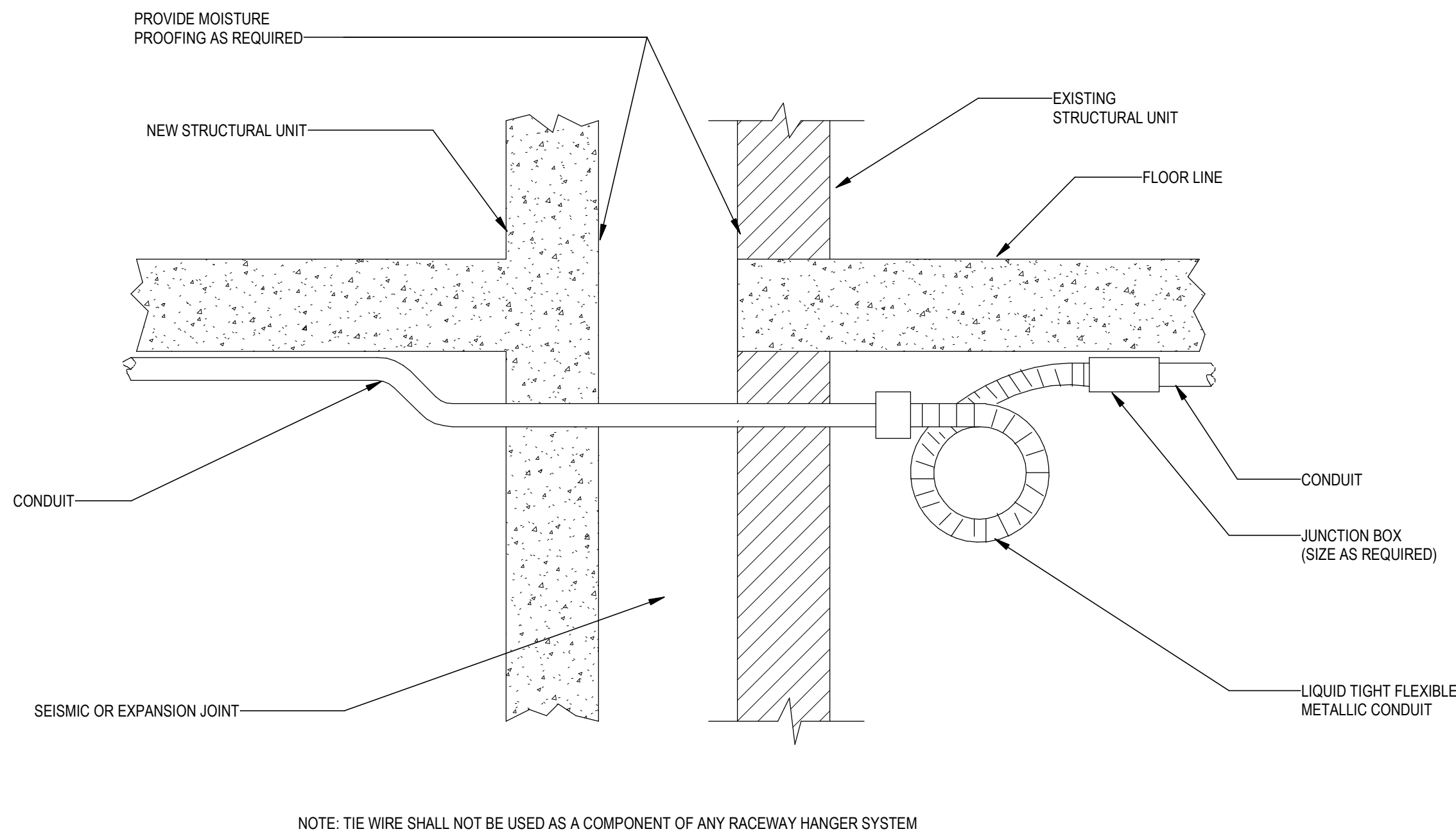
1 EQUIPMENT LABELING

SCALE: NTS



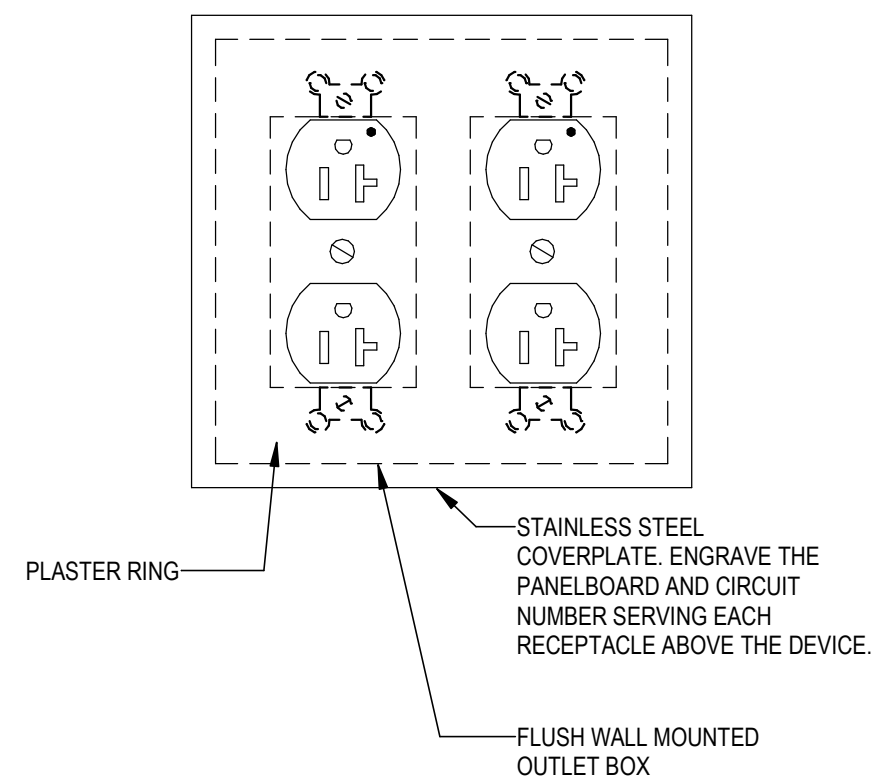
2 ELECTRICAL EQUIPMENT IDENTIFICATION TAGS

SCALE: NTS



3 RECESSED FLOOR BOX

SCALE: NTS

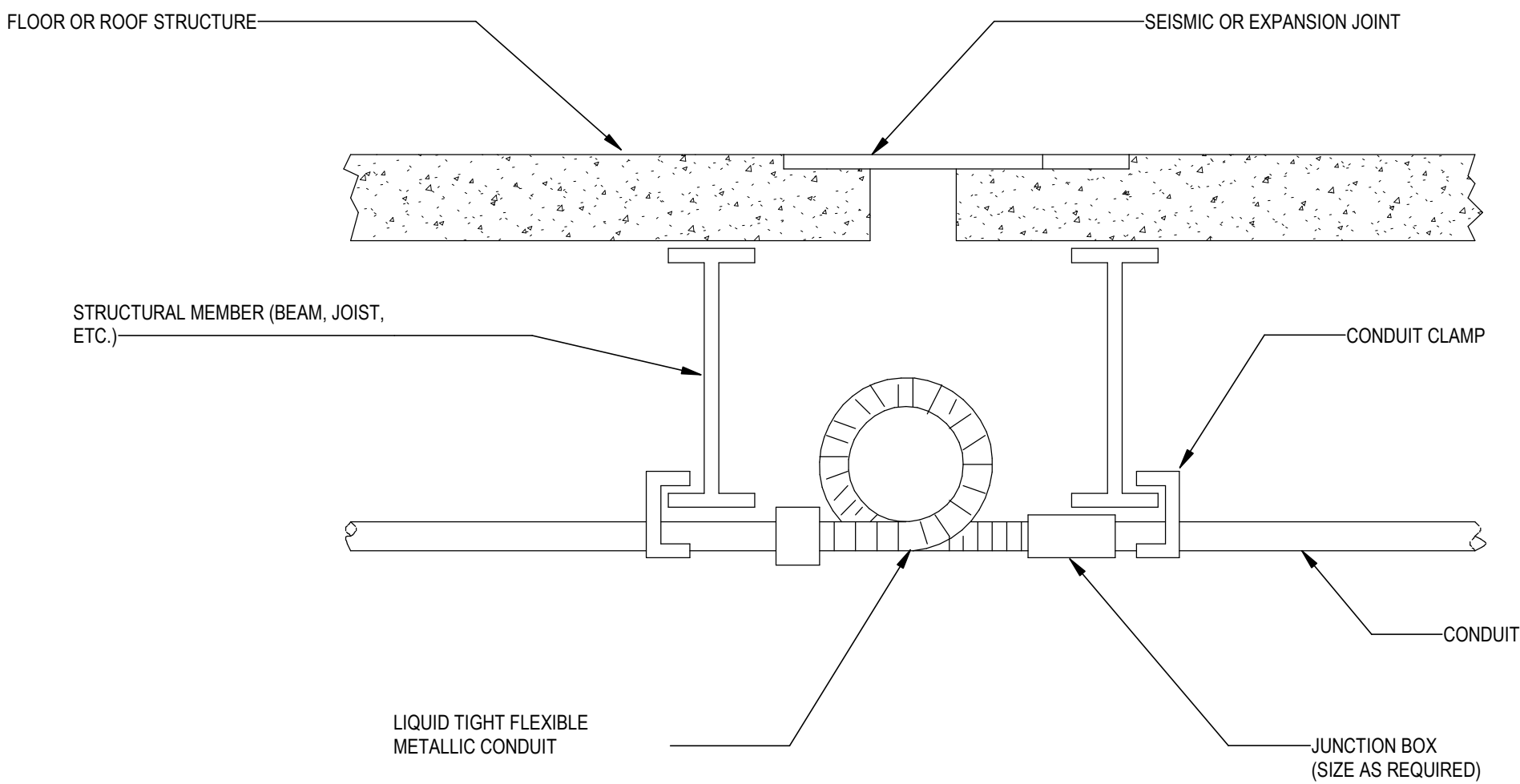


4 RECEPTACLE - QUAD

SCALE: NTS

5 CONDUIT CROSSING DETAIL OR EXPANSION JOINT DETAIL

SCALE: NTS



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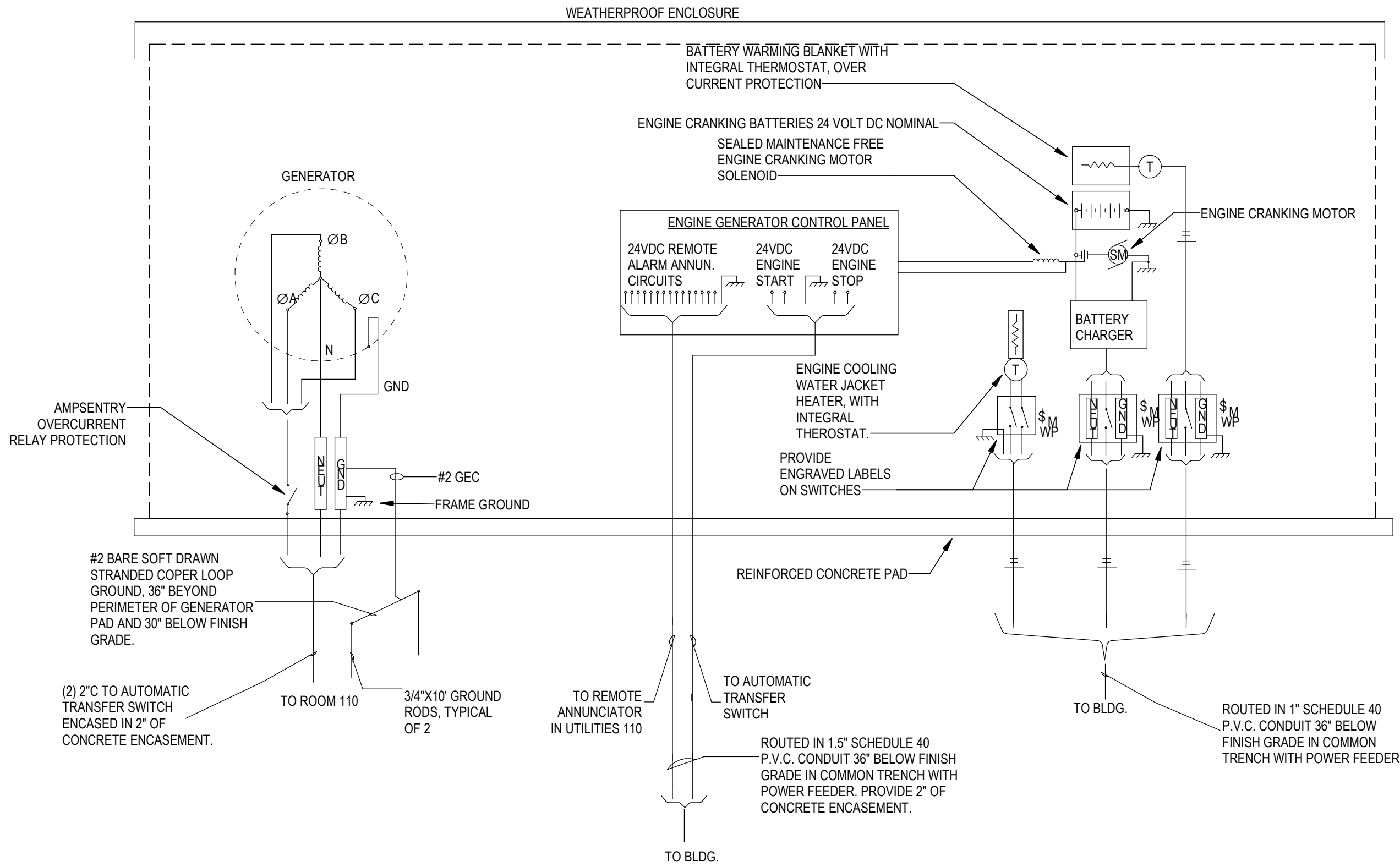
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SHEET NAME

ELECTRICAL
DETAILS

SHEET NUMBER

E5.01



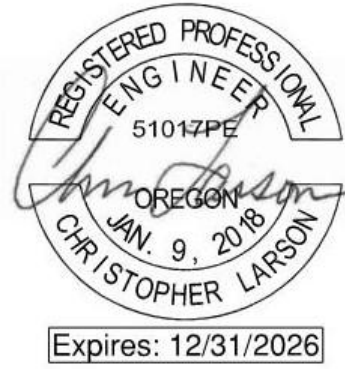
1 EXTERIOR MOUNTED ENGINE GENERATOR (SEPARATELY DERIVED SYSTEM)

SCALE: NTS

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SHEET NAME

**ELECTRICAL
DETAILS**

SHEET NUMBER

E5.02

LUMINAIRE SCHEDULE												
TYPE	DESCRIPTION	MOUNTING	CCT / CRI	WATTS	DELIVERED LUMENS	DRIVER	DIMMING	VOLTAGE	LENS / RELECTOR / BEAM	FINISH	MANUFACTURER SERIES	NOTES
E1	IP65 ARCHITECTURAL WEDGE WALL PACK LED LUMINAIRE	WALL	3500K LED, 80+ CRI	10W	3200 LM	INTEGRAL ELECTRONIC	0-10V TO 10%	UNV	TYPE 3 DISTRIBUTION	STANDARD PER ARCHITECT	LITHONIA LIGHTING - WDGE2 SERIES	
E2	IP65 4" ROUND DOWNLIGHT LED LUMINAIRE	RECESSED	3500K LED, 80+ CRI	9W	1000 LM	INTEGRAL ELECTRONIC	0-10V TO 10%	UNV	SEMI SPECULAR, 45 DEGREE DISTRIBUTION	STANDARD PER ARCHITECT	GOTHAM - IVO SERIES	
P1	8'-0", 40% UP/ 60% DOWN, DIRECT/INDIRECT LINEAR LED LUMINAIRE	PENDANT AIRCRAFT CABLE	3500K LED, 80+ CRI	29W/4FT	3500 LM/4FT	INTEGRAL ELECTRONIC	0-10V TO 10%	UNV	EDGE-LIT REFLECTOR	STANDARD PER ARCHITECT	FLUXWERX - PROFILE SERIES	PROVIDE DUAL CIRCUIT TO CONTROL DIRECT/INDIRECT SEPARATELY
R1	2x4 EDGE LIT TROFFER LED LUMINAIRE	RECESSED	3500K LED, 80+ CRI	23W	2900 LM	INTEGRAL ELECTRONIC	0-10V TO 10%	UNV	FROSTED ACRYLIC	STANDARD PER ARCHITECT	FLUXWERX - INBOX 2X4 SERIES	
R2	4" ROUND DOWNLIGHT LED LUMINAIRE	RECESSED	3500K LED, 80+ CRI	8W	2900 LM	INTEGRAL ELECTRONIC	0-10V TO 10%	UNV	45 DEGREE DISTRIBUTION	STANDARD PER ARCHITECT	GOTHAM - EVO SERIES	
R3	DEADFRONT RATED, 4" ROUND DOWNLIGHT LED LUMINAIRE	RECESSED	3500K LED, 80+ CRI	8W	2900 LM	INTEGRAL ELECTRONIC	0-10V TO 10%	UNV	FLUSH LENS	STANDARD PER ARCHITECT	GOTHAM - EVO SERIES	
S1	LENGHTS PER DRAWINGS LED STRIP LIGHT	SURFACE	3500K LED, 80+ CRI	38W	3000 LM	INTEGRAL ELECTRONIC	0-10V TO 10%	UNV	FROSTED ACRYLIC DROP LENS	STANDARD PER ARCHITECT	LITHONIA LIGHTING - ZL1D SERIES	CONTRACTOR OPTION TO PROVIDE 4FT LENGTHS SIDE BY SIDE OR SIGULAR 8FT LENGTH LUMINAIRE
S3	4'-0" EDGE-LIT LINEAR LED LUMINAIRE	SURFACE	3500K LED, 80+ CRI	22W	2550 LM	INTEGRAL ELECTRONIC	0-10V TO 10%	UNV	EDGE-LIT REFLECTOR	STANDARD PER ARCHITECT	FLUXWERX - PROFILE SERIES	
V1	NOMINAL 24" LINEAR VANITY LIGHT LED LUMINAIRE	WALL	3500K LED, 80+ CRI	14W	1292 LM	INTEGRAL ELECTRONIC	0-10V TO 10%	UNV	FROSTED LENS	STANDARD PER ARCHITECT	EUREKA - MOONRISE SERIES	MOUNTING HEIGHT PER ARCHITECTURAL ELEVATIONS
X1	SINGLE FACE EXIT SIGN	RECESSED	RED	5W	NA	INTEGRAL ELECTRONIC	NA	UNV	CLEAR ACRYLIC	BRUSHED ALUMINUM	LITHONIA LIGHTING - EDGR SERIES	

LIGHTING CONTROL SEQUENCE OF OPERATIONS: INTERIOR

Responsibility Matrix	Factory Representative	Contractor	Owner/ Facilities	Design team	Basis of Design Manufacturer	Alternate Manufacturer(s)
Startup and Programming	Prime	Assist	Review		Nlight	Wattstopper DLM, Lutron, Cooper Wavelinx
Commissioning and Verification	Prime	Demonstrate				
Hours of operation	Prime	Assist	Provide			
Aesthetic dimming/aiming		Aim/Dim	Onsite review	Onsite Review		

ASHRAE 90.1 2019 Table 9.6.1 [h] ASHRAE 90.1 2019 Table 9.6.1 [i] ASHRAE 90.1 2019 Table 9.6.1 [a] ASHRAE 90.1 2019 Table 9.6.1 [b] ASHRAE 90.1 2019 Table 9.6.1 [c] ASHRAE 90.1 2019 Table 9.6.1 [d] ASHRAE 90.1 2019 Table 9.6.1 [e,f] ASHRAE 90.1 2019 Table 9.6.1 [g]

NAME	STANDALONE SYSTEM	NETWORKED SYSTEM	SCHEDULED ON BY TIMECLOCK	AUTOMATIC FULL OFF USING OCCUPANCY SENSORS	SCHEDULED SHUTOFF BY TIMECLOCK	LOCAL CONTROL (P=PLANS, T=TIMECLOCK)	MANUAL ON	PARTIAL AUTOMATIC ON TO 50% MAX OUTPUT USING OCCUPANCY SENSORS.	BILEVEL LIGHTING CONTROL (PROVIDE CONTINUOUS DIMMING. SEE LUMINAIRE SCHEDULE)	PHOTOCELL DAYLIGHT CONTROL	PARTIAL AUTOMATIC OFF TO 50% MAX OUTPUT USING OCCUPANCY SENSORS	AUTO FULL ON	MANUAL OFF	NOTES
CONFERENCE	X			X		X		X	X					
HALLWAY		X		X		X					X			
IDF/UTILITIES	X					X	X						X	
SECURE VESTIBULE	X			X		X					X			
DISPATCH SUPERVISOR	X			X		X		X	X					
911 CALL CENTER	X			X		X		X	X	X				
HAM RADIO/COMM	X			X		X		X	X					
MAIN OPERATIONS	X			X		X		X	X					
RR 1 AND RR 2	X			X		X						X		
JANITOR	X			X		X						X		
STORAGE	X			X		X		X						

GENERAL NOTES
A. REFER TO SPECIFICATION SECTION 2609XX FOR MORE INFORMATION. ELECTRICAL CONTRACTOR AND SELECTED LIGHTING CONTROL MANUFACTURER TO PROVIDE SHOP DRAWINGS AND WIRING DIAGRAMS BASED ON LIGHTING CONTROL SEQUENCE. SHOP DRAWINGS SHALL INCLUDE RECOMMENDED QUANTITIES AND LOCATIONS FOR SENSORS, RELAYS, PANELS, SWITCHES, AND OTHER EQUIPMENT REQUIRED TO ACHIEVE CONTROL FUNCTIONS DESCRIBED. . MANUFACTURER RECOMMENDATIONS SHALL SUPERSEDE SENSOR QUANTITIES AND LOCATIONS ILLUSTRATED ON LIGHTING PLANS.
B. DAYLIGHT HARVESTING CONTROLS, AND VACANCY SENSORS IN ALL SPACES WITH ACCESS TO DAYLIGHT AS REQUIRED BY CODE.
C. FIXTURES TO BE ZONED PER UNIQUE FIXTURE TYPES IN SPACES UNLESS NOTIFIED OTHERWISE.
D. ALL FIXTURES IN REGULARLY OCCUPIED SPACES TO BE DIMMABLE, REFER TO LUMINAIRE SCHEDULE FOR LOW END DIMMING PERCENTAGE.
E. DIRECT/INDIRECT DISTRIBUTION CONTROLLED SEPARATELY UNLESS NOTIFIED OTHERWISE.
F. 20 MINUTE TIMEOUT FOR ALL OCCUPANCY SENSORS UNLESS OTHERWISE NOTED.

SHEET NOTES

- A. PROVIDE INFRASTRUCTURE AND COMPONENTS AS REQUIRED FOR EMERGENCY POWER COMPATIBILITY COORDINATED WITH LIGHTING DRAWINGS. PROVIDE UL924 BYPASS RELAY DEVICES FOR ALL DESIGNATED EMERGENCY EGRESS LIGHTING WITH MANUAL OR AUTOMATIC CONTROLS TO AUTOMATICALLY RAISE TO 100% UPON POWER LOSS.
- B. ALL VISUAL COMPONENTS OF LUMINAIRE, LUMINAIRE ASSEMBLY AND MOUNTING HARDWARE TO MATCH FINISH INDICATED BY ARCHITECT. SUBMIT RFI FOR UNIQUE SITUATIONS AS REQUIRED PRIOR TO PROCUREMENT.
- C. FINAL MOUNTING TYPE PER FINAL SPECIFIED WALL/CEILING/SURFACE INDICATED WITHIN ARCHITECTURAL. CONTRACTOR TO VERIFY FINAL SPECIFIED HARDWARE IS COMPATIBLE WITH FINAL SPECIFIED CEILING/WALL/SURFACE FOR A COMPLETE ASSEMBLY PRIOR TO PROCUREMENT.
- D. ALL MOUNTING DETAILS TO BE COORDINATED WITH ARCHITECT AND LIGHTING DESIGNER PRIOR TO LUMINAIRE PROCUREMENT. ROUGH-IN, INSTALLATION AND EXECUTION. SUBMIT RFI FOR UNIQUE CIRCUMSTANCES THAT ARISE.
- E. CONFIRM ELEVATION OF WALL MOUNTED LUMINAIRES WITH ARCHITECT AND/OR LIGHTING DESIGNER PRIOR TO INSTALLING.
- F. DELIVERED LUMEN OUTPUT IS MINIMUM REQUIRED OUTPUT FOR LUMINAIRE.
- G. LUMINAIRES SHALL BE ORDERED WITH NECESSARY POWER SUPPLIES, DRIVERS, LEADER CABLES, JUMPER CABLES, POWER FEEDS, TERMINATORS AND CONTROL INTERFACES FOR INSTALLATION OF A COMPLETE WORKING SYSTEM IF SO REQUIRED.
- H. INSTALLING CONTRACTOR TO VERIFY VOLTAGE WITH ELECTRICAL BRANCH CIRCUIT AND COORDINATE TRANSFORMER SIZE AND WIRE GAUGE TO LIMIT VOLTAGE DROP TO <2% OVER ENTIRE LENGTH OF RUN.
- I. ALL LOCATIONS ON LIGHTING PLANS ARE DIAGRAMMATIC. REFER TO ARCHITECTURAL FOR EXACT LUMINAIRE DIMENSIONS.
- J. ELECTRICAL CONTRACTOR AND SELECTED LIGHTING CONTROL MANUFACTURER TO PROVIDE SHOP DRAWINGS AND WIRING DIAGRAMS BASED ON LIGHTING CONTROL SEQUENCE OF OPERATIONS. SHOP DRAWINGS SHALL INCLUDE RECOMMENDED QUANTITIES AND LOCATIONS FOR SENSORS, RELAYS, PANELS, SWITCHES, AND OTHER EQUIPMENT REQUIRED TO ACHIEVE CONTROL FUNCTIONS DESCRIBED. MANUFACTURER RECOMMENDATIONS SHALL SUPERSEDE SENSOR QUANTITIES AND LOCATIONS ILLUSTRATED ON LIGHTING PLANS.



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MARK	DATE	DESCRIPTION	

SHEET NAME

ELECTRICAL LIGHTING SCHEDULE

SHEET NUMBER

E6.01

MECHANICAL EQUIPMENT CONNECTION SCHEDULE															
SCHEDULE NOTES:					ABBREVIATION:					SCHEDULE GENERAL NOTES					
1) NEMA-3R FUSED DISCONNECT SWITCH.					FLA: FULL LOAD AMPERES					1) DISCONNECTS ARE SHOWN AS FRAME RATING / FUSE SIZE.					
2) PROVIDE MOTOR-RATED SWITCH, WITH WP COVER, AS DISCONNECT.					HP: HORSEPOWER					2) PROVIDE DUCT SMOKE DETECTORS FOR ALL HVAC UNITS SUPPLYING 2,000 CFM OR MORE. COORDINATE WITH FIRE ALARM CONTRACTOR.					
3) PROVIDE MOTOR-RATED SWITCH AS DISCONNECT.					KVA: KILOVOLT-AMPERES					3) ALL 120V, 15A AND 20A RECEPTACLES AND/OR EQUIPMENT CIRCUITS SHALL BE GFCI PROTECTED PER NOTE 2, UNLESS NOTED OTHERWISE!					
4) EXHAUST FAN SHARES CIRCUIT WITH OTHER EXHAUST FANS.					KW: KILOWATTS										
5) WATER HEATER SHARES CIRCUIT WITH OTHER WATER HEATER.					MCA: MINIMUM CIRCUIT AMPACITY										
					MOCP: MAXIMUM OVERCURRENT PROTECTIVE DEVICE										
					OFOI: OWNER-FURNISHED, OWNER-INSTALLED										
					OFCO: OWNER-FURNISHED, CONTRACTOR-INSTALLED										
					W: WATTS										
					WP: WEATHERPROOF										
					VA: VOLT-AMPERES										
NO.	EQUIPMENT DESCRIPTION	LOCATION	VA	HP	KW	KVA	MCA	MOCP	VOLTAGE	PHASES	CONDUIT SIZE	WIRE SIZE	DISC/FUSE/POLES	CIRCUIT NUMBER	NOTES
CU-1	CONDENSING UNIT	ROOFTOP	1602		1.0	1.6	7.7	15 A	208	1	3/4"	3#12, 1#12 GND	30/-/2	C - 13,15	
CU-2	CONDENSING UNIT	ROOFTOP	2766		1.0	2.8	13.3	15 A	208	1	3/4"	3#12, 1#12 GND	30/-/2	C - 25,27	
EF-01	EXHAUST FAN	ROOFTOP	60			0.1	0.5	20 A	120	1	3/4"	2#12, 1#12 GND	MRSS	C - 4	
ERV-01	ENERGY RECOVERY VENTILATOR	CALL CENTER 109	360			0.4	3.0	10 A	120	1	3/4"	2#12, 1#12 GND	MRSS	C - 5	
EWH-1	ELECTRIC WALL HEATER	RR1	1000		1.0	1.0	8.4	20 A	120	1	3/4"	2#12, 1#12 GND	-	C - 21	
EWH-2	ELECTRIC WALL HEATER	RR2	1000		1.0	1.0	8.4	20 A	120	1	3/4"	2#12, 1#12 GND	-	C - 23	
FCU-1	FAN COIL UNIT	CALL CENTER 109	2766			2.8	13.3	20 A	208	1	3/4"	2#12, 1#12 GND	MRSS	C - 28,30	
FCU-2	FAN COIL UNIT	IDF 114	2766			2.8	13.3	20 A	208	1	3/4"	2#12, 1#12 GND	MRSS	C - 24,26	
RTU-01	ROOFTOP UNIT	ROOFTOP	11880			11.9	33.0	45 A	208	3	1"	4#6, 1#10 GND	60/45/3	C - 29,31,33	
RTU-02	ROOFTOP UNIT	ROOFTOP	8640			8.6	24.0	30 A	208	3	1"	4#10, 1#10 GND	30/30/3	C - 32,34,36	
WH-1	ELECTRIC WATER HEATER	JANITOR 107	6000		6.0	6.0	28.8	40 A	208	1	3/4"	3#8, 1#8 GND	MRSS	C - 17,19	

NEW PANEL C SCHEDULE															
LOCATION: UTILITIES 110 GROUNDING: EQUIPMENT GROUND BUS				FED FROM: MDA				VOLTAGE: 120/208 Wye 3-PH, 4-WIRE TYPE: BOLT-ON MOUNTING: SURFACE SKIRTS: NONE A.I.C. RATING: 10KAIC							
400 A MCB															
C K T #	ITEM	N O T E	A M P S	P O L E	A		B		C		P O L E	A M P S	N O T E	ITEM	C K T #
1	DOOR POWER		20 A	1	0 VA	90 VA					1	20 A		EXTERIOR LIGHTING	2
3	RECEPTACLE - EXTERIOR (GENSET)		20 A	1			180 VA	606 VA			1	20 A		ROOFTOP CONVENIENCE REC, EF-01, &...	4
5	ERV-01		20 A	1					360 VA	648 VA	1	20 A		LTO INV UTILITIES 110	6
7	RECEPTACLE - RR1, RR2, JANITOR		20 A	1	720 VA	1000 VA					1	20 A		CONFERENCE ROOM MONITOR	8
9	GENSET BATTERY CHARGER		20 A	1			900 VA	900 VA			1	20 A		WATER BOTTLE FILL AND DRINKING FOUNTAIN	10
11	INTERIOR LIGHTING		20 A	1					611 VA	1800 VA	1	20 A		RECEPTACLE - CONFERENCE ROOM	12
13	CU-1		15 A	2	801 VA	2500 VA					2	40 A		GENSET BLOCK HEATER	14
15	--	--	--	--			801 VA	2500 VA			--	--	--	--	16
17	WH-1 - JANITOR 107		40 A	2					3000 VA	5970 VA	3	70 A		PANEL 'C1' VIA UPS - UTILITIES 110	18
19	--	--	--	--	3000 VA	6000 VA					--	--	--	--	20
21	EWH-1		20 A	1			1000 VA	5970 VA			--	--	--	--	22
23	EWH-2		20 A	1					1000 VA	1383 VA	2	20 A		FCU-2	24
25	CU-2		15 A	2	1383 VA	1383 VA					--	--	--	--	26
27	--	--	--	--			1383 VA	1383 VA			2	20 A		FCU-1	28
29	RTU-01		45 A	3					3960 VA	1383 VA	--	--	--	--	30
31	--	--	--	--	3960 VA	2880 VA					3	30 A		RTU-02	32
33	--	--	--	--			3960 VA	2880 VA			--	--	--	--	34
35	RECEPTACLE - UTILITIES 110		20 A	1					180 VA	2880 VA	--	--	--	--	36
37	SPARE		20 A	1	0 VA	0 VA					1	20 A		SPARE	38
39	SPARE		20 A	1			0 VA	0 VA			1	20 A		SPARE	40
41	SPARE		20 A	1					0 VA	0 VA	1	20 A		SPARE	42
43	SPARE		20 A	1	0 VA	0 VA					1	20 A		SPARE	44
45	SPARE		20 A	1			0 VA	0 VA			1	20 A		SPARE	46
47	(F) INSTAHOT		20 A	1					0 VA	0 VA	1	20 A		(F) GARBAGE DISPOSAL	48
49	(F) MICROWAVE	1	20 A	1	0 VA	0 VA					1	20 A	1	(F) COUNTERTOP	50
51	(F) RANGE CIRCUIT		40 A	2			0 VA	0 VA			1	20 A	1	(F) REFRIGERATOR	52
53	--	--	--	--					0 VA	0 VA	1	20 A	1	(F) DISHWASHER	54
Total Load:					23717 VA		22457 VA		23175 VA						
Total Amps:					199 A		187 A		194 A						
Load Classification					Connected Load		Demand Factor		Estimated Demand		Panel Totals				
Equipment					900 VA		100.00%		900 VA						
HVAC					30420 VA		100.00%		30420 VA		Total Conn. Load: 69349 VA				
Heating					7000 VA		100.00%		7000 VA		Total Est. Demand: 63731 VA				
Lighting					1349 VA		125.00%		1686 VA		Total Conn. Current: 192 A				
Lighting - Exterior					200 VA		125.00%		250 VA		Total Est. Demand Current: 177 A				
Mechanical					6000 VA		100.00%		6000 VA						
Motor					420 VA		121.43%		510 VA						
Other					900 VA		100.00%		900 VA						
Power					0 VA		0.00%		0 VA						
Receptacle					22180 VA		72.54%		16090 VA						
Notes: 1. PROVIDE CIRCUIT AND BREAKER FOR FUTURE USE.															

PANEL C1 SCHEDULE													
LOCATION: UTILITIES 110 GROUNDING: EQUIPMENT GROUND BUS				FED FROM: UPSC		VOLTAGE: 120/208 Wye 3-PH, 4-WIRE TYPE: BOLT-ON MOUNTING: SURFACE SKIRTS: NONE A.I.C. RATING: 10KAIC							
70 A MCB													
C K T #	ITEM	N O T E	A M P S	P O L E	A	B	C	P O L E	A M P S	N O T E	ITEM	C K T #	
1	RECEPTACLE - 107		20 A	1	180 VA	1080 VA		1	20 A		RECEPTACLE - 111	2	
3	RECEPTACLE		20 A	1			360 VA 540 VA	1	20 A		RECEPTACLE - 107	4	
5	RECEPTACLE - 108		20 A	1				1	20 A		RECEPTACLE - MONITORS	6	
7	RECEPTACLE - 111		20 A	1	1080 VA	750 VA		360 VA 540 VA	2	20 A	PDU-1 - IDF 107	8	
9	RECEPTACLE		20 A	1				--	--	--		8	
11	RECEPTACLE - 106		20 A	1			720 VA 750 VA		--	--		12	
13	RECEPTACLE - 109		20 A	1	720 VA	720 VA		1440 VA 720 VA	1	20 A	RECEPTACLE - OH PROJECTORS	14	
15	PDU-2 - IDF 107		20 A	1					1	20 A	RECEPTACLE - 106	12	
17	--		20 A	2		750 VA 720 VA			1	20 A	RECEPTACLE - 111	16	
19	RECEPTACLE - 106	--	--	--				750 VA 720 VA	1	20 A	RECEPTACLE - 109	18	
21	RECEPTACLE - 106		20 A	1	1440 VA							20	
23	RECEPTACLE - 106		20 A	1			720 VA 1440 VA		1	20 A	RECEPTACLE - 106	22	
25	SPACE		--	1	--	--		1440 VA --	1	--	SPACE	24	
27	SPACE		--	1			-- --		1	--	SPACE	26	
29	SPACE		--	1				-- --	1	--	SPACE	28	
Total Load:					5970 VA	6000 VA	5970 VA						
Total Amps:					50 A	50 A	50 A						
Load Classification			Connected Load		Demand Factor		Estimated Demand		Panel Totals				
Receptacle			17940 VA		77.87%		13970 VA						
									Total Conn. Load:			17940 VA	
									Total Est. Demand:			13970 VA	
									Total Conn. Current:			50 A	
									Total Est. Demand Current:			39 A	
Notes:													

3-PHASE FEEDER SCHEDULE				
COPPER CONDUCTORS				
CONDUCTORS #1 AWG OR SMALLER ARE SIZED BASED ON 60 DEGREE TABLES				
CODE	PARALLEL SETS	CONDUIT SIZE	CONDUCTOR SIZE	GROUND CONDUCTOR
20	1	3/4"	3#12	#12
20N	1	3/4"	3#12, #12N	#12
30	1	3/4"	3#10	#10
30N	1	3/4"	3#10, #10N	#10
40	1	1"	3#8	#10
40N	1	1"	3#8, #8N	#10
50	1	1"	3#6	#10
50N	1	1"	3#6, #6N	#10
60	1	1-1/4"	3#4	#10
60N	1	1-1/4"	3#4, #4N	#10
70	1	1-1/4"	3#4	#8
70N	1	1-1/4"	3#4, #4N	#8
80	1	1-1/4"	3#2	#8
80N	1	1-1/4"	3#2, #2N	#8
90	1	1-1/4"	3#2	#8
90N	1	1-1/4"	3#2, #2N	#8
100	1	1-1/2"	3#1	#8
100N	1	1-1/2"	3#1, #1N	#8
125	1	1-1/2"	3#1	#6
125N	1	1-1/2"	3#1, #1N	#6
150	1	2"	3#1/0	#6
150N	1	2"	3#1/0, #1/0N	#6
175	1	2"	3#2/0	#6
175N	1	2"	3#2/0, #2/0N	#6
200	1	2"	3#3/0	#6
200N	1	2"	3#3/0, #3/0N	#6
225	1	2"	3#4/0	#4
225N	1	2"	3#4/0, #4/0N	#4
400	2	2"	3#3/0	#2
400N	2	2"	3#3/0, #3/0N	#2
EXIST	EXISTING FEEDER TO REMAIN			

1-PHASE FEEDER SCHEDULE				
COPPER CONDUCTORS				
CONDUCTORS #1 AWG OR SMALLER ARE SIZED BASED ON 60 DEGREE TABLES				
CODE	PARALLEL SETS	CONDUIT SIZE	CONDUCTOR SIZE	GROUND CONDUCTOR
20	1	3/4"	2#12	#12
20N	1	3/4"	2#12, #12N	#12
30	1	3/4"	2#10	#10
30N	1	3/4"	2#10, #10N	#10
40	1	1"	2#8	#10
40N	1	1"	2#8, #8N	#10
50	1	1"	2#6	#10
50N	1	1"	2#6, #6N	#10
60	1	1-1/4"	2#4	#10
60N	1	1-1/4"	2#4, #4N	#10
70	1	1-1/4"	2#4	#8
70N	1	1-1/4"	2#4, #4N	#8
80	1	1-1/4"	2#2	#8
80N	1	1-1/4"	2#2, #2N	#8
90	1	1-1/4"	2#2	#8
90N	1	1-1/4"	2#2, #2N	#8
100	1	1-1/2"	2#1	#8
100N	1	1-1/2"	2#1, #1N	#8

SHEET NOTES

A. SEE EP1.01 ELECTRICAL POWER LEVEL 1 FOR NEW EMERGENCY OPERATIONS CENTER FLOORPLAN.

FLAG NOTES

- PER OREGON TRAIL ELECTRIC COOPERATIVE, THE PEAK POWER DEMAND OVER THE PAST TWELVE MONTHS WAS 49KW. PER 220.87, MAX DEMAND @ 125% IS 61.25kW - @ 208V 3PH = 170A. THE EXISTING SERVICE HAS CAPACITY FOR THE PROJECTS ADDED LOADS.
- PROVIDE MINIMUM OF 2" OF CONCRET ENCASEMENT FOR GENERATOR FEEDER TO ATS PER NEC 708.10(C)(2)(4).
- PROVIDE MINIMUM OF 2" OF CONCRETE ENCASEMENT FOR NORMAL POWER FEEDER PER 708.10(C)(2).
- PROVIDE NEW 4-POLE 400A ATS RATED FOR EMERGENCY USE WITH A MAINTENANCE BY-PASS ISOLATION SWITCH PER 708.24.
- PROVIDE LSG TYPE MAIN BREAKER IN PANEL C TO COMPLY WITH NEC 708.54. MUST SELECTIVELY COORDINATE WITH FUSED DISCONNECT OCP IN 'MDA'.
- PANEL 'C1' MB WILL NEED TO SELECTIVELY COORDINATE WITH PANEL 'C' FEEDER BREAKER AND MAIN.
- PANEL 'C' SHALL HAVE INTEGRAL SURGE PROTECTIVE DEVICE.
- SEE DETAIL #1 E5.02 FOR GENERATOR GROUNDING REQUIREMENTS.
- SEE EP1.01 FLAG NOTE 7 FOR UPS BOD.



BIDDERS ARE INSTRUCTED TO CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS AND THE SITE CONDITIONS. INFORMATION REGARDING THE COMPLETE WORK OF SPECIFIC TRADES IS DISPERSED THROUGHOUT THE ENTIRE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED BY REFERENCE TO OTHER THAN COMPLETE DOCUMENT SET.

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PROJECT INFORMATION

BAKER EMERGENCY OPERATIONS CENTER

3410 K STREET BAKER CITY, OR 97814

ISSUES

PHASE	BID DOCUMENTS
DATE	ISSUE DATE: 05/16/2025
JOB NUMBER	23-105

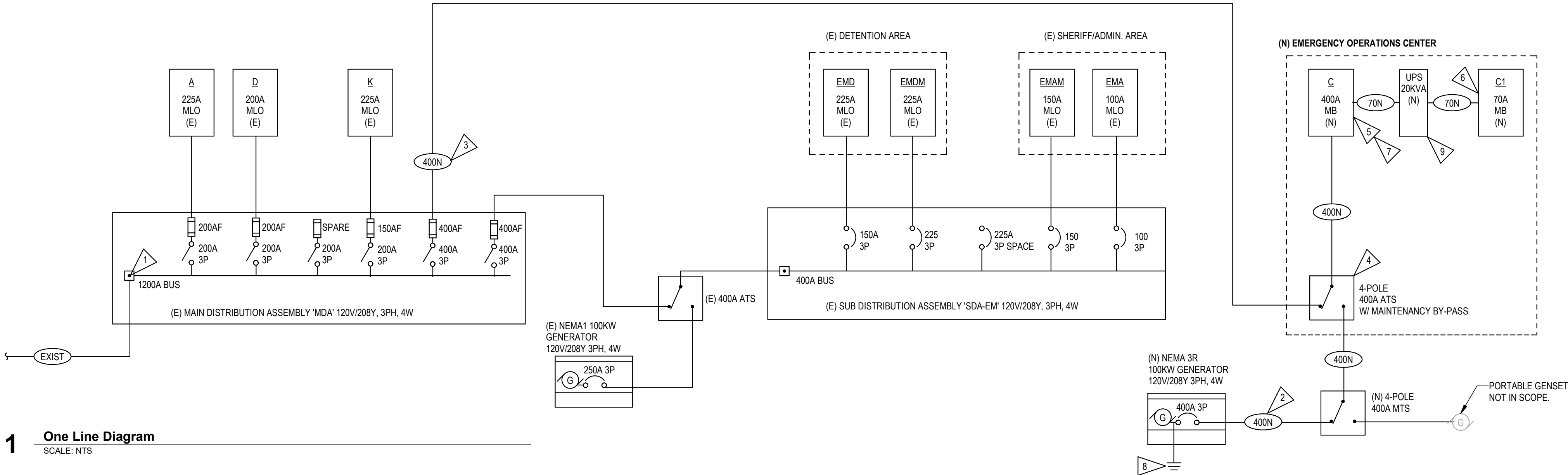
MARK	DATE	DESCRIPTION
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SHEET NAME

ELECTRICAL ONE-LINE DIAGRAM

SHEET NUMBER

E6.03



1 One Line Diagram
SCALE: NTS

GENERAL NOTES

1. SYSTEM CABLING PATHWAYS SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT VERSION OF TIA-569. SEE E0.01 STRUCTURED CABLE SYSTEM PATHWAY NOTES. ABBREVIATIONS E0.01 APPLY.
2. CABLE SUPPORTS SHALL NOT BE PLACED MORE THAT 5' APART.
3. CABLE "SAG" BETWEEN SUPPORTS SHALL NOT EXCEED 12".
4. CABLE LENGTHS SHALL NOT EXCEED 295', INCLUDING PATCH CORD LENGTHS AT COMM ROOMS AND WORKSTATIONS. IF A CABLE LENGTH WILL EXCEED 295', INFORM THE ICT ENGINEER IMMEDIATELY BEFORE INSTALLATION.
5. CABLE MINIMUM BEND RADIUS AND MAXIMUM PULLING TENSION SHALL NOT BE EXCEED. REFER TO MANUFACTURER'S REQUIREMENTS AND REFERENCE DOCUMENTS.
6. CABLES SHALL BE INSTALLED IN CONTINUOUS LENGTHS FROM ORIGIN TO DESTINATION (NO SPLICES).
7. CABLES SHALL BE INSTALLED ABOVE FIRE-SPRINKLER SYSTEMS AND SUPPORTED INDEPENDENTLY OF SPRINKLER PIPING OR ANY ANCILLARY EQUIPMENT OR HARDWARE. THE CABLE SYSTEM AND SUPPORT HARDWARE SHALL BE INSTALLED SO THAT IT DOES NOT OBSCURE ANY VALVES, FIRE ALARM CONDUIT, BOXES, OR OTHER CONTROLLED DEVICES.
8. CABLES SHALL NOT BE ATTACHED TO CEILING GRID OR LIGHTING FIXTURE WIRES.
9. AT NO POINT SHALL CABLES REST ON ACOUSTIC CEILING GRIDS OR PANELS, OR BE ATTACHED TO ANY PORTION OF THE BUILDING MECHANICAL OR PIPING SYSTEMS. PROVIDE COMPLETE CABLE SUPPORT PATHWAYS CONSISTING OF CONDUIT, RACEWAY, LADDER RACK, CABLE TRAY, J-HOOKS OR BRIDAL RINGS.
10. ANY CABLE DAMAGED DURING INSTALLATION OR EXCEEDING RECOMMENDED INSTALLATION PARAMETERS SHALL BE REPLACED PRIOR TO FINAL ACCEPTANCE AT NO ADDITIONAL COST TO THE OWNER.
11. CABLES AND PATHWAYS SHALL BE CLEARLY LABELED IN ACCORDANCE WITH TIA-606-C.
12. PROVIDE "VELCRO" TYPE (HOOK AND LOOP) TIE WRAPS FOR BUNDLING / MANAGING HORIZONTAL AND BACKBONE CABLING. PLACE EVERY 5' FOR CABLE RUNS IN CEILING AND EVERY 18" AFTER ENTERING TELECOMMUNICATIONS ROOM. PLASTIC "ZIP-TIES" SHALL NOT BE PERMITTED WITHIN THE STRUCTURED CABLING SYSTEM.
13. HORIZONTAL UTP PAIR UNTWIST AT THE TERMINATION SHALL NOT EXCEED 0.5".
14. PROVIDE (1) 2" CONDUIT SLEEVE WITH INSULATED BUSHINGS FOR PENETRATION INTO OFFICES, EXAM ROOMS, ETC, AS REQUIRED TO FACILITATE CABLE ROUTING WHETHER SHOWN ON DRAWINGS OR NOT.
15. ALL PENETRATIONS MUST BE FIRE-STOPPED IN ACCORDANCE OF THE NFPA, NEC AND TO THE SATISFACTION OF THE AHJ.
16. ALL TELECOMMUNICATION ROOMS AND PATHWAYS SHALL ADHERE TO TIA-569-D.
17. ALL TELECOMMUNICATION BONDING AND GROUNDING SHALL ADHERE TO TIA-607-D.
18. NOT ALL PARTS SHOWN. ENSURE A COMPLETE WORKING INSTALLATION INCLUDING MISCELLANEOUS INSTALLATION MATERIALS, CONNECTORS, CONSUMABLES, AND APPURTENANCES.
19. PROVIDE NETWORK/TELEPHONY CABLES TO THE FOLLOWING LOCATIONS FROM THE NEAREST COMMUNICATIONS ROOM, UNLESS OTHERWISE NOTED.

A. ELEVATOR CONTROL PANELS/ENCLOSURES
B. BUILDING SYSTEM MANAGEMENT PANELS/ENCLOSURES
C. ENERGY SYSTEM MANAGEMENT PANELS/ENCLOSURES
D. FIRE ALARM CONTROL SYSTEM PANELS/ENCLOSURES
E. ACCESS CONTROL SYSTEM PANELS/ENCLOSURES
F. TWO-WAY EMERGENCY COMMUNICATIONS SYSTEMS PANELS/ENCLOSURES

SYMBOLS LEGEND - GENERAL	
SYMBOL	DESCRIPTION
	DRAWING CONSTRUCTION ("FLAG") NOTE
	EQUIPMENT IDENTIFIER
	MATCHLINE
	REVISION CLOUD (ENCIRCLES DRAWING CHANGES MADE SINCE THE PREVIOUS RELEASE)
	REVISION REFERENCE
	EXISTING TO BE REMOVED (DASHED)
	HEAVY LINEWEIGHT INDICATES NEW WORK
	LIGHT LINEWEIGHT INDICATES EXISTING INFORMATION
	POINT OF CONNECTION
	LIMIT OF DEMOTION
DETAIL REFERENCE	
	DETAIL IDENTIFICATION NUMBER SHEET WHERE DETAIL IS DRAWN
ELEVATION REFERENCE	
	ELEVATION IDENTIFICATION NUMBER SHEET WHERE ELEVATION IS DRAWN
SECTION REFERENCE SECTION	
	IDENTIFICATION NUMBER SHEET WHERE SECTION IS DRAWN
	NORTH REFERENCE

SYMBOLS LEGEND - AUDIO VISUAL / CLOCK	
SYMBOL	DESCRIPTION
	TV OUTLET
	PAGING SYSTEM SPEAKER - CEILING RECESSED MOUNTED. LOWER CASE DENOTES ZONE GROUP (TYP.)
	PAGING SYSTEM SPEAKER - CEILING SURFACE MOUNTED. LOWER CASE DENOTES ZONE GROUP (TYP.)
	PAGING SYSTEM SPEAKER - WALL RECESSED MOUNTED. LOWER CASE DENOTES ZONE GROUP (TYP.)
	PAGING SYSTEM SPEAKER - WALL SURFACE MOUNTED. LOWER CASE DENOTES ZONE GROUP (TYP.)
	CLOCK - WALL SURFACE MOUNTED
	CLOCK - RECESSED MOUNTED

SYMBOLS LEGEND - SECURITY	
SYMBOL	DESCRIPTION
	CARD READER (KP = KEYPAD) (WP = WEATHERPROOF)
	DOOR/WINDOW CONTACT
	ELECTRIC STRIKE
	REQUEST TO EXIT PUSHBUTTON
	REQUEST TO EXIT SENSOR
	CCTV CAMERA - CEILING MOUNTED (WP = WEATHERPROOF) (° = ANGLE OF CAMERA VIEW (IE. 180°, 270°, 360°, PTZ))
	CCTV CAMERA - WALL MOUNTED (WP = WEATHERPROOF) (° = ANGLE OF CAMERA VIEW (IE. 180°, 270°, 360°, PTZ))
	PANIC / DURESS BUTTON
	INTERCOM OUTLET (D = DESK MOUNTED) (W = WALL MOUNTED @ +48" AFF)
	KEYPAD - ALARM PANEL
	MOTION DETECTOR - INFRARED TYPE UNLESS OTHERWISE NOTED
	BREAK GLASS SENSOR
	ALARM BELL

SYMBOLS LEGEND - FIRE ALARM	
SYMBOL	DESCRIPTION
	FIRE ALARM SYSTEM CONTROL PANEL ESR - ELEVATOR STATUS/RECALL FAC - FIRE ALARM COMMUNICATOR FACP - FIRE ALARM CONTROL PANEL FAA OR FARA - FIRE ALARM ANNUNCIATOR HVA - HVAC OR EXHAUST STAIRWELL PRESSURIZATION LCD - FIRE ALARM LCD ANNUNCIATOR
	FIRE ALARM FLOW SWITCH
	HI/LO AIR PRESSURE SWITCH
	HI/LO AIR PRESSURE SWITCH
	VALVE SUPERVISORY SWITCH
	POST INDICATOR VALVE SUPERVISORY SWITCH
	FIRE ALARM PULL STATION
	FIRE/SMOKE DAMPER
	SMOKE DAMPER
	FIRE ALARM HORN ONLY
	FIRE ALARM HORN STROBE, XX = CANDELA RATING
	FIRE ALARM SPEAKER ONLY
	FIRE ALARM SPEAKER STROBE, XX = CANDELA RATING
	FIRE ALARM STROBE ONLY - WALL, XX = CANDELA RATING
	FIRE ALARM STROBE ONLY - CEILING, XX = CANDELA RATING
	FIRE ALARM BELL
	FIRE FIGHTER PHONE JACK
	HEAT DETECTOR, RATE OF RISE AND FIXED TEMPERATURE UON F - FIXED TEMPERATURE R - RATE OF RISE ONLY R/C - RATE COMPENSATION
	SMOKE DETECTOR, PHOTOELECTRIC UON BT - BEAM TRANSMITTER BR - BEAM RECEIVER I - IONIZATION
	FIRE ALARM DUCT SMOKE DETECTOR WITH SAMPLING TUBE
	FLAME DETECTOR
	GAS DETECTOR
	ADDRESSABLE INPUT MODULE
	ADDRESSABLE OUTPUT MODULE
	ISOLATION MODULE
	FIRE ALARM EQUIPMENT CONNECTION
	RELAY BLOCK

SYMBOLS LEGEND - COMMUNICATIONS	
SYMBOL	DESCRIPTION
	WALL MOUNTED DATA DEVICE. MOUNT AT 18" AFF UNLESS OTHERWISE NOTED. NUMBER INDICATES QUANTITY OF PORTS.
	MUD RING TO ACCOMMODATE PASS THROUGH FOR AUDIOVISUAL CABLING. MOUNT AT 18" AFF UNLESS OTHERWISE NOTED. NUMBER INDICATES NUMBER OF GANG SPACES.
	CEILING MOUNTED DATA DEVICE. COORDINATE WITH ARCHITECTURAL CEILING PLANS FOR MOUNTING HEIGHTS UNLESS OTHERWISE NOTED. NUMBER INDICATES QUANTITY OF PORTS.
	WIRELESS ACCESS POINT LOCATION. PROVIDE CABLING IN THE QUANTITY INDICATED WITH 10'-0" SERVICE LOOP IN ACCESSIBLE CEILING SPACE.
	VIDEO PROJECTOR LOCATION. PROVIDE CABLING IN THE QUANTITY INDICATED WITH 10'-0" SERVICE LOOP IN ACCESSIBLE CEILING SPACE.
	DATA DEVICE MOUNTED IN FLOOR BOX. NUMBER INDICATES QUANTITY OF PORTS. FLOOR BOX PROVIDED BY ELECTRICAL CONTRACTOR. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
	DATA DEVICE MOUNTED IN POKE-THRU. NUMBER INDICATES QUANTITY OF PORTS. POKE-THRU PROVIDED BY ELECTRICAL CONTRACTOR. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
	FLOOR SURFACE MOUNTED DATA DEVICE. NUMBER INDICATES QUANTITY OF PORTS.
	DATA DEVICE MOUNTED POWER/COMM POLE. NUMBER INDICATES QUANTITY OF PORTS. POWER/COMM POLE PROVIDED BY ELECTRICAL CONTRACTOR. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
	34" FIRE RATED PLYWOOD BACKBOARD MOUNTED FROM 6" AFF TO 8'-6" AFF UNLESS OTHERWISE NOTED
	CABLE TRAY - LADDER RUNWAY STYLE FOR HORIZONTAL CABLING IN ACCESSIBLE CEILING SPACES
	CABLE TRAY - WIRE BASKET STYLE FOR HORIZONTAL CABLING IN ACCESSIBLE CEILING SPACES
	EMT CONDUIT PATHWAY OR SLEEVE FOR HORIZONTAL PATHWAY. PROVIDE PLASTIC BUSHINGS ON EACH END. SIZE AS NOTED ON PLAN.
	4" SELF-SEALING INTUMESCENT PATHWAY SLEEVES (EZ-PATH 44).
	EMT CONDUIT PATHWAY OR SLEEVE FOR VERTICAL PATHWAY. PROVIDE PLASTIC BUSHINGS ON EACH END. SIZE AS NOTED ON PLAN.



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PROJECT INFORMATION

BAKER EMERGENCY OPERATIONS CENTER

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ISSUES

PHASE		BID DOCUMENTS	
DATE		ISSUE DATE: 05/16/2025	
JOB NUMBER		23-105	
MARK	DATE	DESCRIPTION	

SHEET NAME

TELECOM. GENERAL NOTES AND LEGEND

SHEET NUMBER

TELECOMMUNICATION SHEET INDEX	
T0.01	TELECOM. GENERAL NOTES AND LEGEND
T1.01	SYSTEM COMMUNICATION - LEVEL 1 PLAN
T5.01	SYSTEMS DETAILS
T5.02	SYSTEMS DETAILS

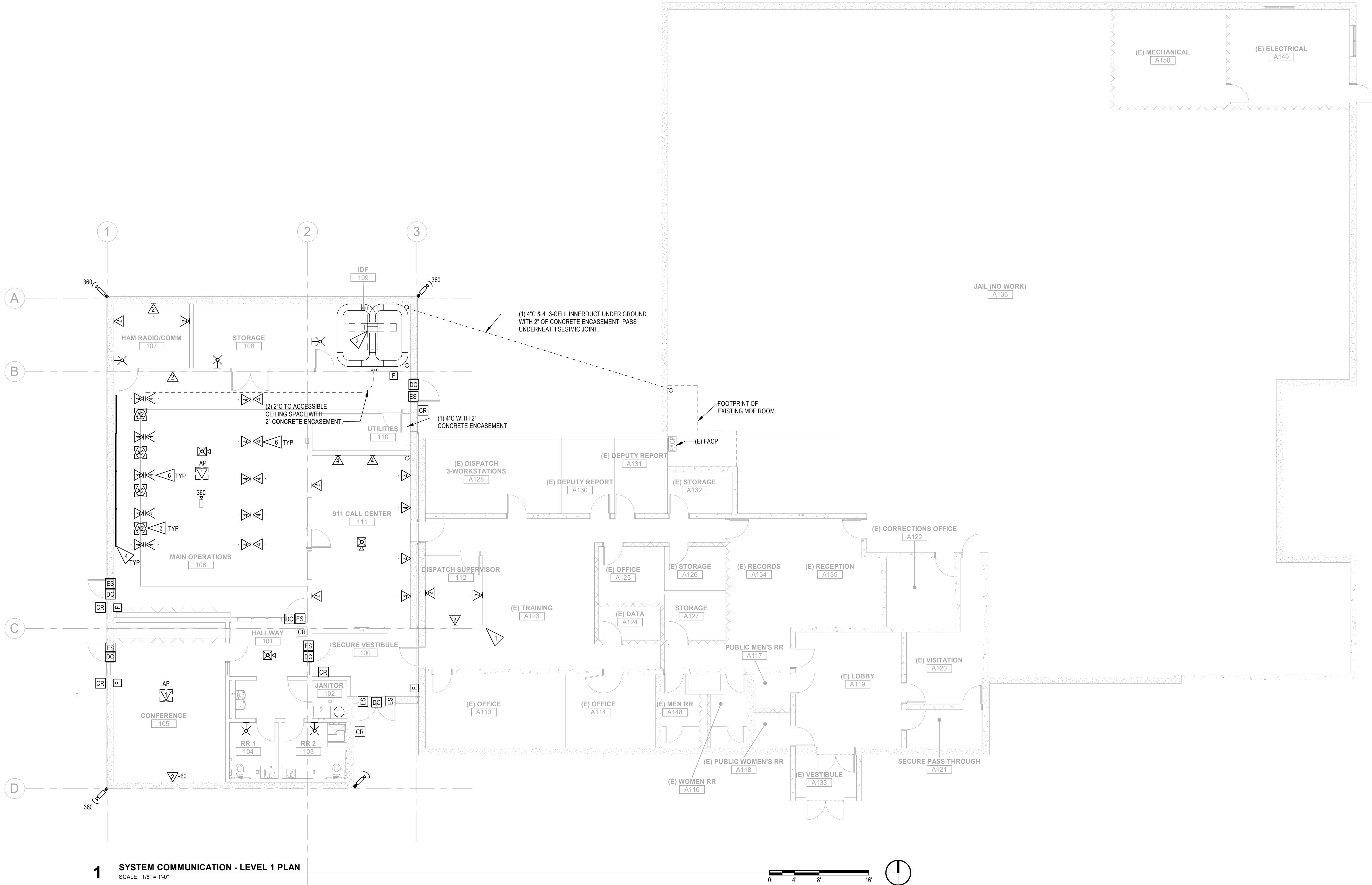
T0.01

FLAG NOTES

- DATA DEVICES IN DISPATCH SUPERVISOR 112 TO BE FED FROM EXISTING DATA CLOSET A124.
- RACK REQUIREMENTS TO BE CONFIRMED BY OWNER.
- OVERHEAD PROJECTOR. LOW VOLTAGE AND 120V POWER REQUIREMENTS TO BE CONFIRMED BEFORE COVER.
- SCREEN FOR OVERHEAD PROJECTOR BY OWNER INSTALLED BY CONTRACTOR.
- SEISMIC JOINT BETWEEN EXISTING AND NEW ADDITION ALONG GRID LINE 3. SEE DETAIL 5 E5.01 FOR CONDUIT PASSING SEISMIC JOINT REQUIREMENTS.
- ALL DATA DEVICES MAIN OPS FLOOR ARE TERMINATED IN DEVICES APPROVED FOR WALKER DUCT PRO SERIES BOD (OR EQUAL). SEE EP1.01 FOR INFORMATION.

SHEET NOTES

- PROVIDE ALL DATA CABLING, PORTS, & PLATES. CABLING FOR FIRE ALARM, SIGNALING SYSTEMS, AND SECURITY TO BE RISER RATED.
- GRC END TO END IS WIRING METHOD FOR ALL OVERHEAD FIRE ALARM, SECURITY, EMERGENCY COMMUNICATIONS, AND SIGNALING SYSTEMS INCLUDING DATA DROPS PER NEC 708.14.
- PVC ENCASED IN 2" OF SLAB IS APPROVED WIRING METHOD FOR UNDERGROUND PER NEC 708.
- PROVIDE COMPLETE BUILD-OUT FOR NEW IDF A144 TO INCLUDE GROUNDING PER DETAIL T5.01, RACKS, PATCH PANELS, HORIZONTAL & VERTICAL CABLE MANAGEMENT, CABLE TRAY, ETC. SEE LOW VOLTAGE RESPONSIBILITY MATRIX T5.01.
- PROVIDE TERMINATIONS, TESTING, AND LABELING FOR ALL NEW DATA CABLES.
- AV, SCREEN, MICROPHONE, & SPEAKER SYSTEMS ARE ROUGH IN ONLY. SYSTEMS PROVIDED BY OWNER.
- PROVIDE BIDDER DESIGNED SECURITY CAMERA SYSTEM. TIE INTO EXISTING SECURITY CAMERA HEAD END EQUIPMENT LOCATED IN (E) MDF.
- PROVIDE BIDDER DESIGNED CARD ACCESS SYSTEM. TIE INTO EXISTING CARD ACCESS HEAD END EQUIPMENT LOCATED IN (E) MDF.
- PROVIDE BIDDER DESIGNED ADDITION TO (E) FA SYSTEM PER REQUIREMENTS OF THE AHJ. (E) FACP IS IN MDF.
- THERE WILL BE A SEISMIC JOINT BETWEEN THE EXISTING BLDG AND NEW ADDITION ALONG GRID LINE 3.
- AP DEVICES BY OWNER.
- CONFIRM CABLE TYPE FOR CABLE DROPS WITH OWNER PRIOR TO SLAB POUR. CONFIRM CONDUIT FILL REQUIREMENTS FOR CABLE TYPE.

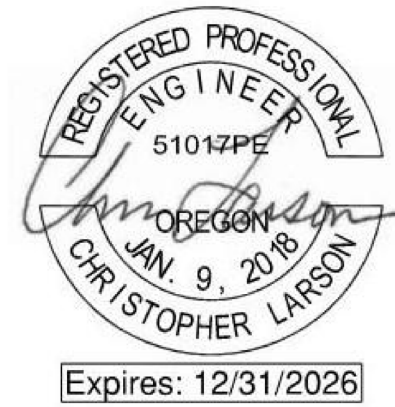


1 SYSTEM COMMUNICATION - LEVEL 1 PLAN
SCALE: 1/8" = 1'-0"



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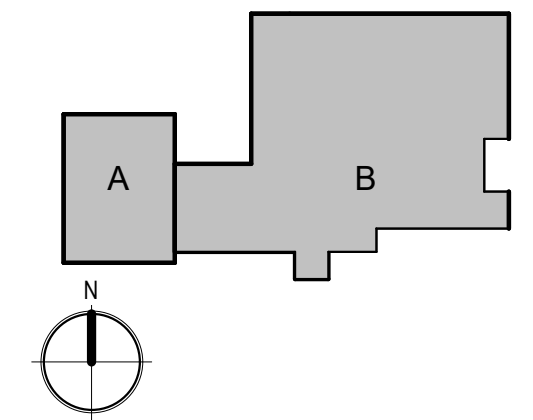
SÄZÄN GROUP
1030 NW Bond St., Ste. 202
Bend, Oregon 97703
Tel 541.229.2400
Fax 503.416.2087
SAZAN # 958-24009

PROJECT INFORMATION

BAKER EMERGENCY OPERATIONS CENTER

3410 K STREET BAKER CITY, OR 97814

KEY PLAN



ISSUES

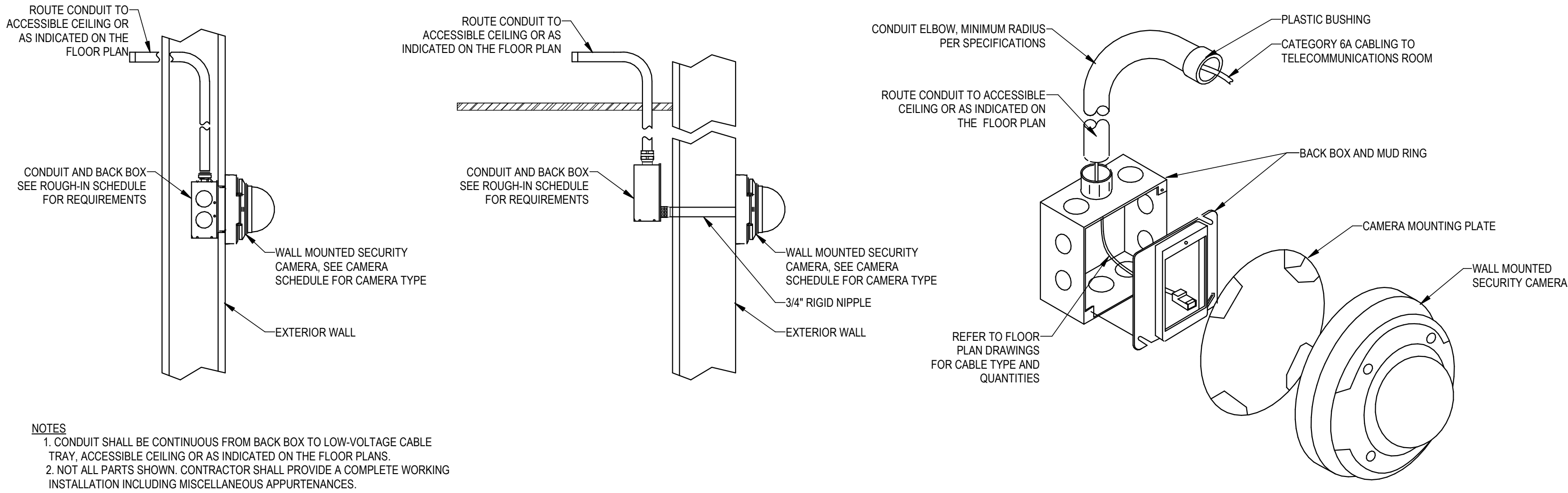
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DATE		ISSUE DATE: 05/16/2025	
JOB NUMBER		23-105	
MARK	DATE	DESCRIPTION	

SHEET NAME

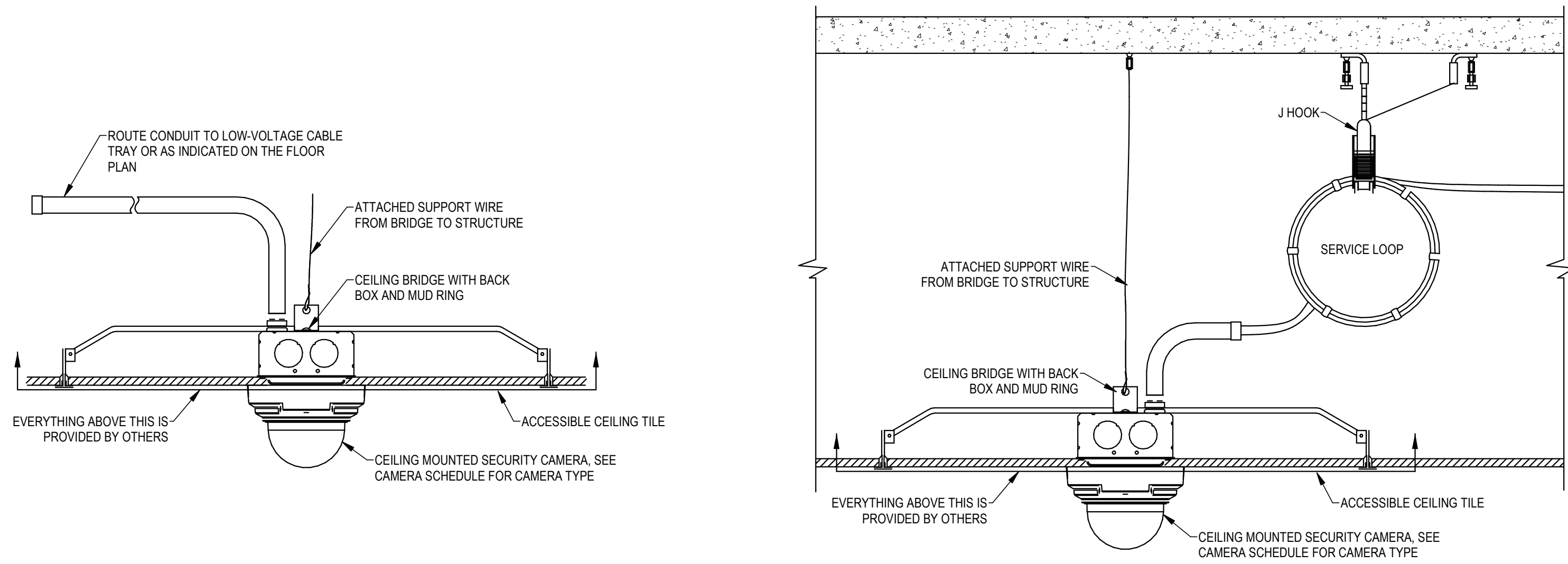
SYSTEM COMMUNICATION - LEVEL 1 PLAN

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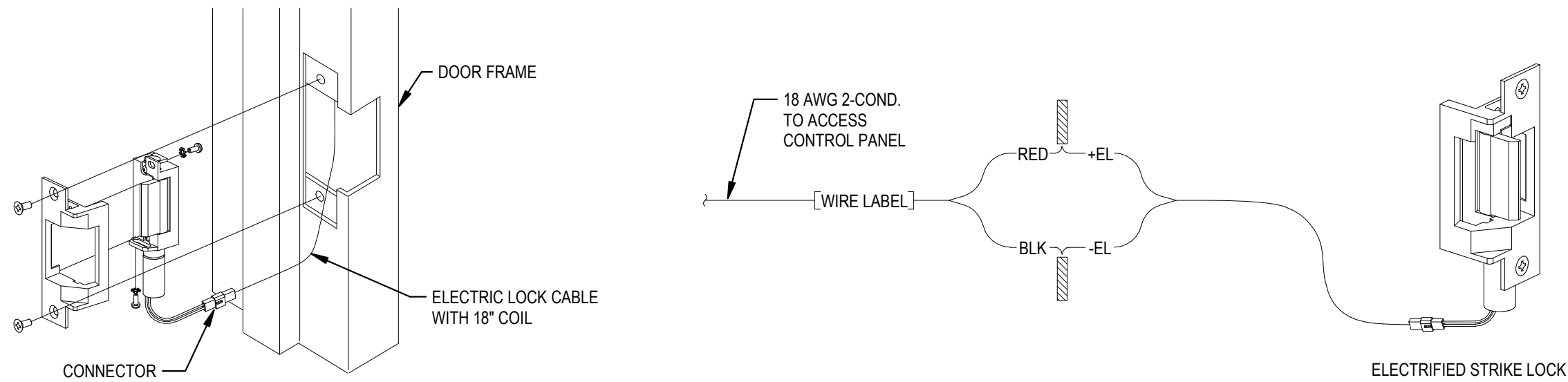
T1.01



1 EXTERIOR WALL MOUNTED CAMERA
SCALE: NTS



2 INTERIOR CEILING MOUNTED CAMERA
SCALE: NTS



3 TYPICAL ELECTRIFIED STRIKE BAR
SCALE: NTS

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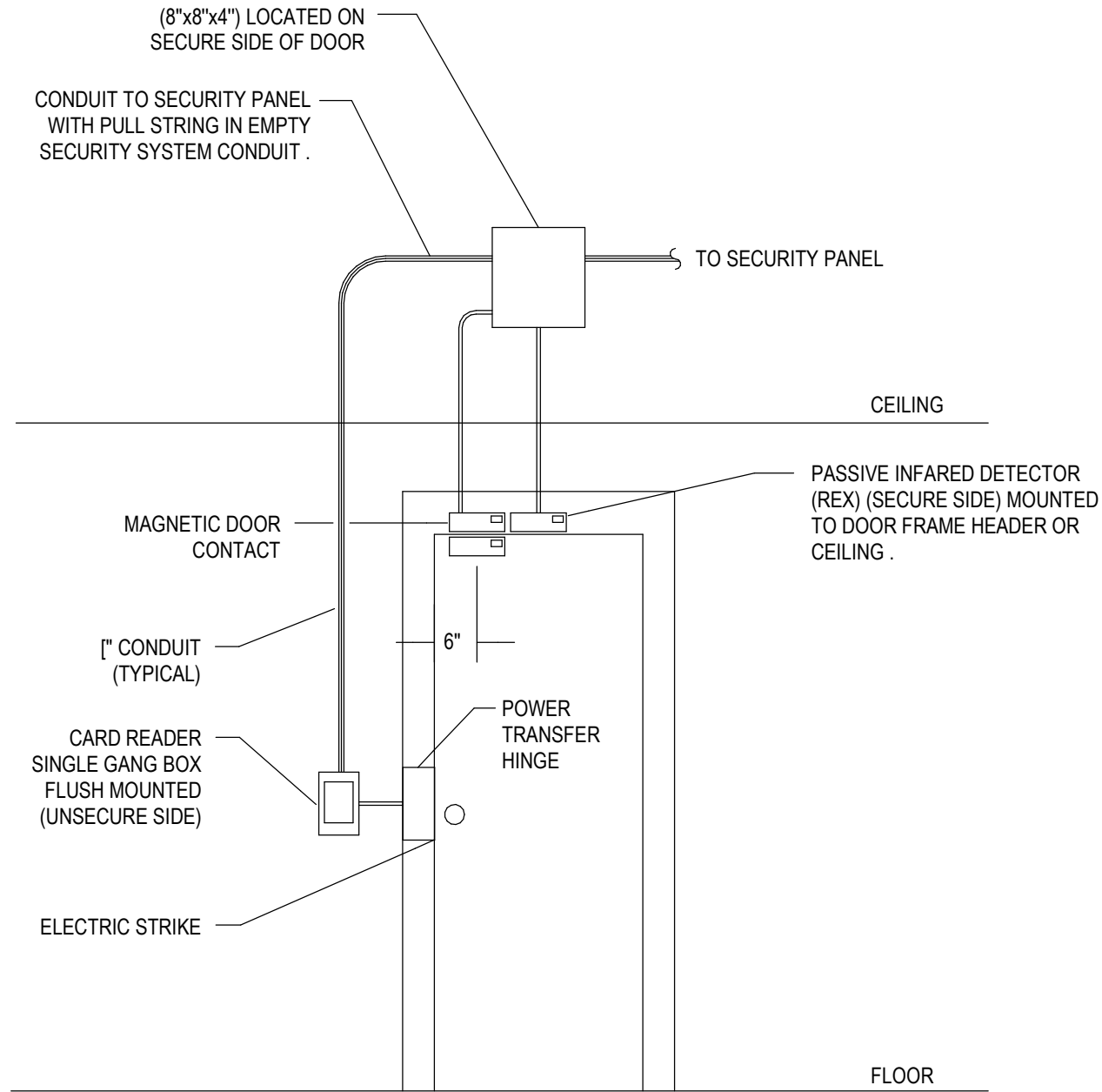
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MARK	DATE	DESCRIPTION

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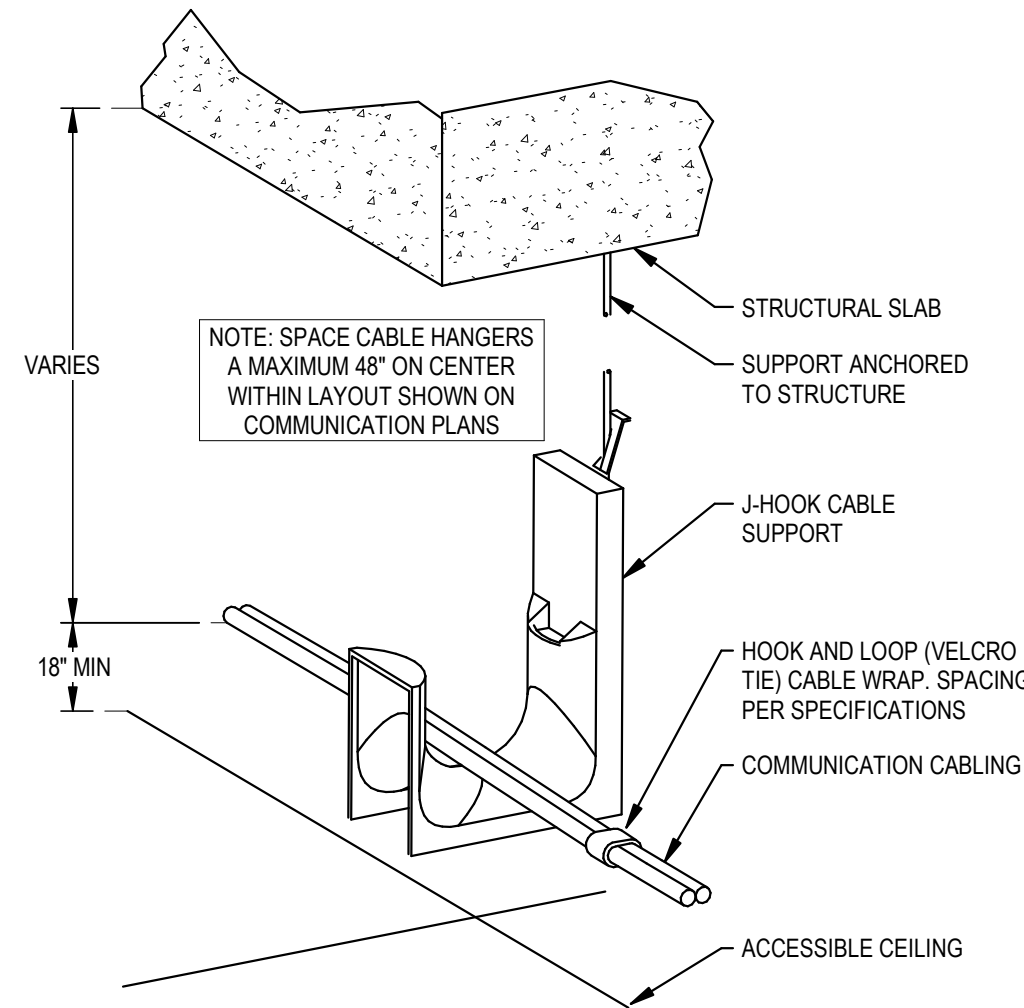
SYSTEMS DETAILS

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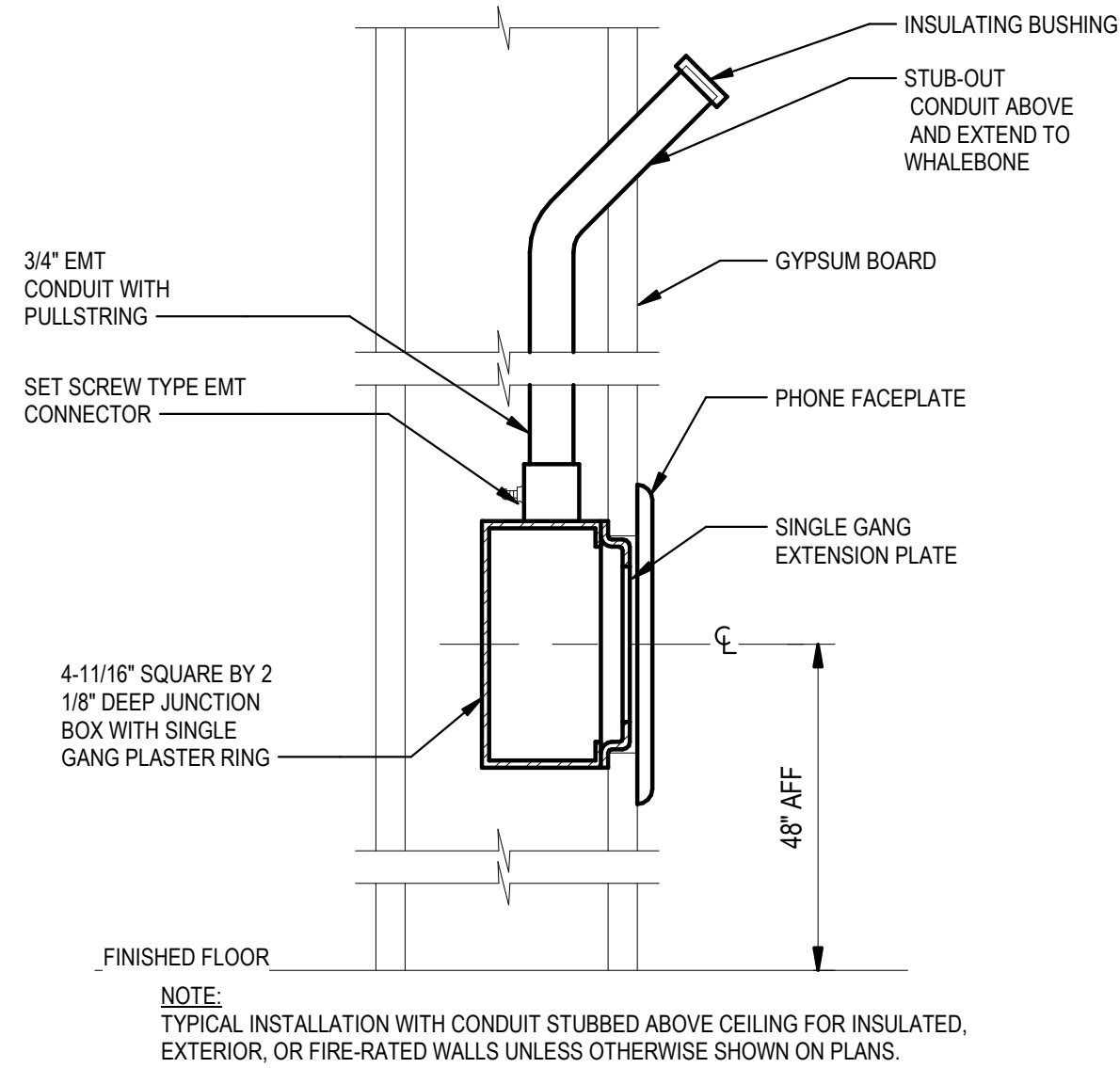
T5.01



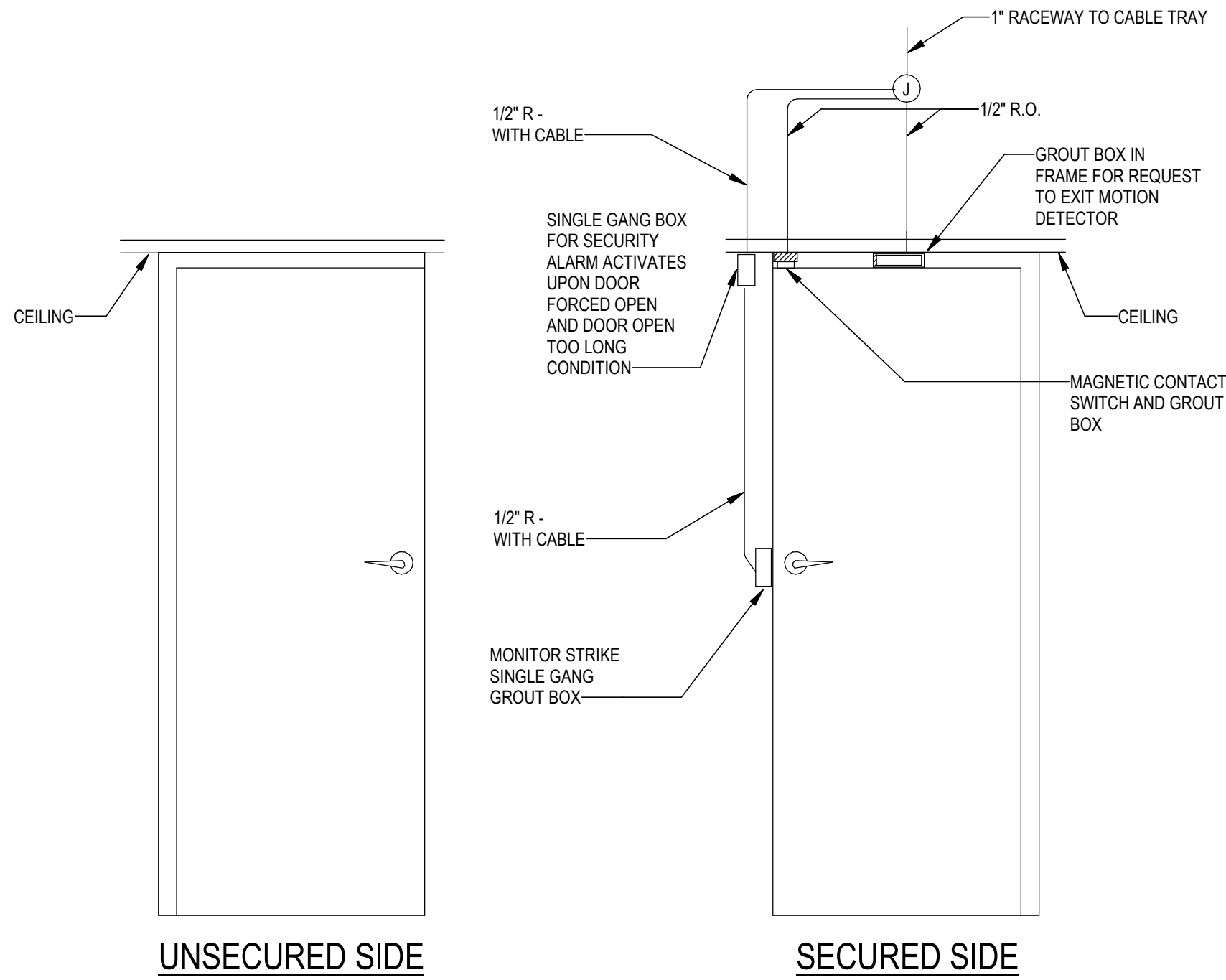
1 SECURITY ROUGH-IN DETAIL AT DOOR 1
SCALE: NTS



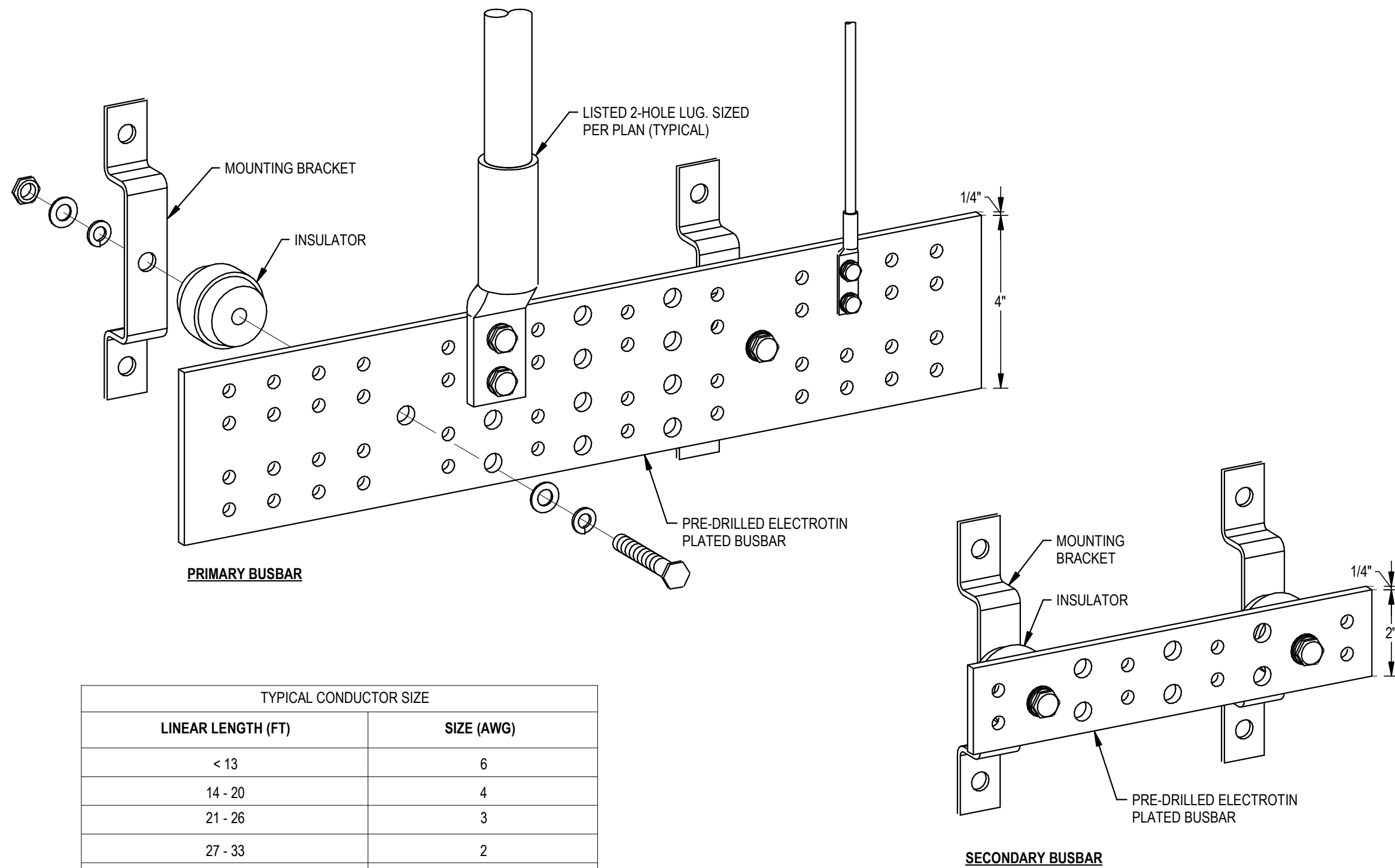
3 J-HOOK CABLE SUPPORT
SCALE: NTS



4 WALL OUTLET
SCALE: NTS



2 SINGLE DOOR ROUGH-IN FOR MONITORED EXIT ONLY
SCALE: NTS



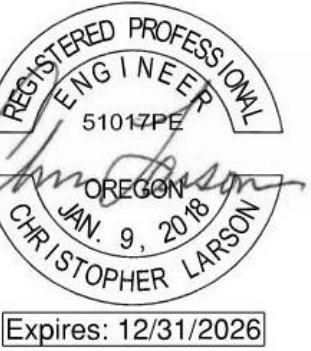
TYPICAL CONDUCTOR SIZE	
LINEAR LENGTH (FT)	SIZE (AWG)
< 13	6
14 - 20	4
21 - 26	3
27 - 33	2
34 - 41	1
53 - 66	2/0
42 - 52	1/0
67 - 84	3/0
14 - 20	4/0
21 - 26	250 kcmil
27 - 33	300 kcmil
34 - 41	350 kcmil
42 - 52	500 kcmil
53 - 66	600 kcmil
67 - 84	750 kcmil

- DETAIL NOTES:
- BUSBAR AND ALL BONDING COMPONENTS SHALL COMPLY WITH NATIONAL ELECTRICAL CODE, ANSI/TIA 607-C STANDARDS, LOCAL CODES, OR AHJ. WHERE CONFLICTS OCCUR, THE MORE RESTRICTIVE STANDARD WILL TAKE PRECEDENT.
 - HOLE PATTERNS SHALL SUPPORT LISTED LUGS AND HARDWARE.
 - BUSBAR SHALL BE ELECTROTIN PLATED COPPER WITH A MINIMUM 95% CONDUCTIVITY AND HAVE AN ANTI-OXIDANT APPLIED BEFORE ATTACHING ANY BONDING COMPONENTS.
 - PRIMARY BUSBAR SHOULD BE A MINIMUM 4" HIGH AND SECONDARY BUSBARS SHALL BE A MINIMUM OF 2" HIGH. REFER TO SPECIFICATIONS FOR SPECIFIC LENGTHS.

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PHASE BID DOCUMENTS

DATE ISSUE DATE: 05/16/2025

JOB NUMBER 23-105

MARK DATE DESCRIPTION

SHEET NAME

SYSTEMS DETAILS

SHEET NUMBER

T5.02