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8/24/2022 7:06:04 AM BIM 360://20-130 Haines Public Safety Facility/20-130 HPSF-A-model.rvt

# HAINES BOROUGH HAINES COMMUNITY SAFETY AND TRAINING CENTER

HAINES, ALASKA

GENERAL PROJECT NOTES
<b>PROJECT DESCRIPTION:</b> THE PROJECT IS A PUBLIC SAFETY FACILITY WITH BOTH POLICE ADMIN AND SUPPORT SPACES, AND VOLUNTEER FIRE DEPARTMENT ADMIN AND SUPPORT SPACES. THERE ARE 4 FULL APPARATUS BAYS FOR STACKED APPARATUS AND A HALF APPARATUS BAY FOR EMS. IT IS A TWO STORY BUILDING WITH A THIRD STORY STAIR FOR ROOF ACCESS. THE FIRST FLOOR IS 19,740 GSF, AND THE SECOND FLOOR IS 5,265 GSF. THE BUILDING HAS A PILE FOUNDATION AND IS CONSTRUCTED OF STRUCTURAL STEEL.
<b>REFERENCE CODES:</b> ALL WORK SHALL CONFORM TO ALL APPLICABLE BUILDING CODES, STANDARDS, REGULATIONS, AND OTHER SUPPLEMENTAL AMENDMENTS PER THE JURISDICTIONS OF THE PROJECT.
<b>ELECTRONIC MEDIA:</b> THE AVAILABILITY OF ELECTRONIC DOCUMENTS FOR USE BY THE GENERAL CONTRACTOR ON THIS PROJECT IS CONDITIONALLY GRANTED THROUGH PERMISSION OF DESIGNER OF RECORD.
<b>DRAWING FORMAT:</b> THESE CONSTRUCTION DOCUMENTS HAVE BEEN PRODUCED AT DRAWING SCALES RELATED TO THEIR FULL-SIZE FORMAT (22X34). ANY DEVIATIONS FROM THIS FORMAT SIZE WILL PRODUCE DRAWINGS OUTSIDE OF THE SCALE LIMITS INDICATED.
<b>VERIFY CONDITIONS:</b> THE CONTRACTOR SHALL VERIFY ALL PROJECT-RELATED NEW AND/OR EXISTING CONDITIONS, INCLUDING DIMENSIONS PRIOR TO THE COMMENCEMENT OF WORK. PROMPTLY NOTIFY THE ARCHITECT AND OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES AND/OR UNKNOWN CONDITIONS OBSERVED.
<b>SITE SAFETY:</b> THE CONTRACTOR IS RESPONSIBLE FOR ALL PROJECT RELATED SAFETY MEASURES ON-SITE, DURING THE PROJECTS CONSTRUCTION PERIOD. NOTIFY THE GENERAL CONTRACTOR, AND/OR THE DESIGNATED "SAFETY OFFICER" AT ONCE SHOULD ANY SAFETY RELATED CONCERNS BE OBSERVED.



**65% PRICING SET  
AUGUST 25, 2022**

**PROJECT TEAM**

**ARCHITECTURE, INTERIORS**

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CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: JN  
CHECKED BY: RR

REVISION	DESCRIPTION	DATE

PROJECT TITLE, PROJECT TEAM

**G001**

NOT FOR CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA

65% PRICING SET

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8/24/2022 7:06:04 AM

# SHEET INDEX

## GENERAL

- G001 PROJECT TITLE, PROJECT TEAM
- G002 SHEET INDEX
- G003 BUILDING CODE DATA
- G004 FIRE & LIFE SAEFTY CODE PLAN

## CIVIL

- C100 EXISTING CONDITIONS AND DEMOLITION PLAN
- C101 OVERALL SITE PLAN
- C102 GRADING PLAN WITH UNDERGROUND UTILITIES
- C103 GRADING PLAN WITH UNDERGROUND UTILITIES
- C104 GRADING PLAN WITH UNDERGROUND UTILITIES
- C105 GRADING PLAN WITH UNDERGROUND UTILITIES
- C200 TYPICAL SECTIONS AND DETAILS
- C201 TYPICAL SECTIONS AND DETAILS
- C202 TYPICAL SECTIONS AND DETAILS
- C203 FENCE DETAILS

## LANDSCAPE

- L101 LANDSCAPE PLAN
- L102 LAYOUT PLAN
- L501 LANDSCAPE DETAILS

## ARCHITECTURE

- A001 ABBREVIATIONS, GENERAL PROJECT NOTES, SYMBOLS
- A002 ASSEMBLY TYPES
- A3D1 3D RENDERINGS
- A3D2 3D RENDERINGS
- A110 FIRST AND SECOND FLOOR PLAN - OVERALL
- A111A FIRST FLOOR PLAN - BLOCK A
- A111B FIRST FLOOR PLAN - BLOCK B
- A121A SECOND FLOOR PLAN - BLOCK A
- A121B SECOND FLOOR PLAN - BLOCK B
- A130 ROOF PLAN - OVERALL
- A210 FIRST AND SECOND REFLECTED CEILING PLAN - OVERALL
- A211A FIRST FLOOR REFLECTED CEILING PLAN - BLOCK A
- A211B FIRST FLOOR REFLECTED CEILING PLAN - BLOCK B
- A221A SECOND FLOOR REFLECTED CEILING PLAN - BLOCK A
- A221B SECOND FLOOR REFLECTED CEILING PLAN - BLOCK B
- A301 EXTERIOR ELEVATIONS
- A302 EXTERIOR ELEVATIONS
- A303 BUILDING SECTIONS
- A304 BUILDING SECTIONS
- A401 WALL SECTIONS
- A402 WALL SECTIONS
- A501 EXTERIOR DETAILS - FOUNDATION AND TYPICAL SIDING DETAIL
- A502 EXTERIOR DETAILS - SIDING
- A503 ROOF DETAILS
- A504 EXTERIOR DETAILS
- A505 EXTERIOR OPENING DETAILS
- A601 ENLARGED PLANS
- A602 ENLARGED PLANS
- A603 ENLARGED PLANS
- A604 ENLARGED PLANS
- A605 STAIR SECTIONS
- A611A FIRST FLOOR - FURNITURE PLAN - BLOCK A
- A611B FIRST FLOOR - FURNITURE PLAN - BLOCK B
- A621A SECOND FLOOR - FURNITURE PLAN - BLOCK A
- A621B SECOND FLOOR - FURNITURE PLAN - BLOCK B
- A701 TYPICAL MOUNTING HEIGHTS
- A702 INTERIOR ELEVATIONS
- A703 INTERIOR ELEVATIONS
- A704 INTERIOR ELEVATIONS
- A705 INTERIOR ELEVATIONS
- A706 INTERIOR ELEVATIONS
- A707 INTERIOR ELEVATIONS
- A831 CASEWORK LEGEND & DETAILS
- A832 BOOT STORAGE
- A901 DOOR SCHEDULE
- A902 WINDOW TYPES
- A911 FINISH SCHEDULE
- A912 FINISH SCHEDULE
- A913 FINISH LEGEND
- A921A FIRST FLOOR - FINISH PLAN - BLOCK A
- A921B FIRST FLOOR - FINISH PLAN - BLOCK B
- A922A SECOND FLOOR - FINISH PLAN - BLOCK A
- A922B SECOND FLOOR - FINISH PLAN - BLOCK B
- A931 SIGN TYPE LEGEND
- A932 SIGN MESSAGE SCHEDULE
- A941A FIRST FLOOR - SIGNAGE PLAN - BLOCK A
- A941B FIRST FLOOR - SIGNAGE PLAN - BLOCK B
- A942A SECOND FLOOR - SIGNAGE PLAN - BLOCK A
- A942B SECOND FLOOR - SIGNAGE PLAN - BLOCK B
- EQ100 ENLARGED DETENTION PLANS, RCPS
- EQ110 DETENTION DOOR & WINDOW TYPES & DETENDION DOOR SCHEDULE
- EQ111 DETENTION DETAILS
- EQ112 DETENTION DETAILS

## STRUCTURAL

- S001 GENERAL NOTES
- S002 GENERAL NOTES
- S004 LEGEND
- S100 PILE PLAN AND OVERALL FOUNDATION PLAN
- S101 OVERALL SECOND FLOOR FRAMING PLAN, ROOF, AND HIGH ROOF FRAMING PLAN
- S111 PILE PLAN - BLOCK A
- S112 PILE PLAN - BLOCK B
- S121 FOUNDATION PLAN - BLOCK A
- S122 FOUNDATION PLAN - BLOCK B
- S131 SECOND FLOOR FRAMING PLAN - BLOCK A
- S132 SECOND FLOOR FRAMING PLAN - BLOCK B
- S141 ROOF FRAMING PLAN - BLOCK A
- S142 ROOF FRAMING PLAN - BLOCK B
- S143 HIGH ROOF FRAMING PLAN
- S201 BRACE FRAME ELEVATIONS
- S202 BRACE FRAME ELEVATIONS
- S203 CANOPY FRAME ELEVATIONS
- S501 PILE DETAILS
- S502 FOUNDATION DETAIL
- S503 FOUNDATION DETAIL
- S511 FRAMING DETAILS
- S512 FRAMING DETAILS
- S513 FRAMING DETAILS
- S521 BRACE DETAILS
- S601 SCHEDULES

## MECHANICAL

- M001 LEGENDS AND SCHEDULES
- M002 ABBREVIATIONS AND SCHEDULES
- M003 SCHEDULES
- M004 SCHEDULES
- M005 SCHEDULES
- M101 UNDERGROUND PLUMBING PLAN AREA A
- M102 UNDERGROUND PLUMBING PLAN AREA B
- M103 FIRST FLOOR PLUMBING PLAN AREA A
- M104 FIRST FLOOR PLUMBING PLAN AREA B
- M105 SECOND FLOOR PLUMBING PLAN AREA A
- M106 SECOND FLOOR PLUMBING PLAN AREA B
- M107 MECHANICAL SITE PLAN
- M201 FIRST FLOOR HEATING PLAN AREA A
- M202 FIRST FLOOR HEATING PLAN AREA B
- M203 SECOND FLOOR HEATING PLAN AREA A
- M204 SECOND FLOOR HEATING PLAN AREA B
- M301 FIRST FLOOR VENTILATION PLAN AREA A
- M302 FIRST FLOOR VENTILATION PLAN AREA B
- M303 SECOND FLOOR VENTILATION PLAN AREA A
- M304 SECOND FLOOR VENTILATION PLAN AREA B
- M401 MECHANICAL ROOF PLAN AREA A
- M402 MECHANICAL ROOF PLAN AREA B
- M403 MECHANICAL ROOM PLAN
- M404 FAN ROOM PLAN
- M503 ENLARGED PLUMBING PLANS
- M504 ENLARGED PLUMBING PLANS

## ELECTRICAL

- E001 ELECTRICAL LEGEND AND GENERAL NOTES
  - E002 LIGHTING FIXTURE SCHEDULES
  - E101 ELECTRICAL SITE PLAN
  - E201 FIRST FLOOR LIGHTING PLAN AREA A
  - E202 FIRST FLOOR LIGHTING PLAN AREA B
  - E203 SECOND FLOOR LIGHTING PLAN AREA A
  - E204 SECOND FLOOR LIGHTING PLAN AREA B & THIRD FLOOR LIGHTING PLAN
  - E301 FIRST FLOOR POWER PLAN AREA A
  - E302 FIRST FLOOR POWER PLAN AREA B
  - E303 SECOND FLOOR POWER PLAN AREA A
  - E304 SECOND FLOOR POWER PLAN AREA B & THIRD FLOOR POWER PLAN
  - E305 ENLARGED ELECTRICAL PLANS
  - E306 ENLARGED ELECTRICAL ELEVATOR PLANS
  - E307 ENLARGED ELECTRICAL PLANS
  - E401 FIRST FLOOR SIGNAL PLAN AREA A
  - E402 FIRST FLOOR SIGNAL PLAN AREA B
  - E403 SECOND FLOOR SIGNAL PLAN AREA A
  - E404 SECOND FLOOR SIGNAL PLAN AREA B
  - E405 ENLARGED TELECOM ROOMS FIRE ALARM RISER DIAGRAM
  - E406 TELECOMMUNICATIONS DETAILS
  - E501 ELECTRICAL SIGNLE LINE DIAGRAM
- SECURITY
- SE001 LEGEND AND SCHEDULES
  - SE101 SITE PLAN
  - SE111A FIRST FLOOR PLAN- BLOCK A
  - SE111B FIRST FLOOR PLAN- BLOCK B
  - SE121A SECOND FLOOR PLAN- BLOCK A
  - SE121B SECOND FLOOR PLAN - BLOCK B



HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
 HAINES, ALASKA

65% PRICING SET

CONSULTANT:

PROJECT NO: 20-130  
 DATE: 2022-08-25  
 DRAWN BY: JN  
 CHECKED BY: RR

REVISION	DESCRIPTION	DATE

SHEET INDEX  
**G002**

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SIZES

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BUILDING CODE DATA

Table with columns for code type, description, and provided design. Includes sections for 2021 International Building Code (IBC), Height and Area, Construction Type, Fire Resistive Construction, Mixed Use and Occupancy (508), and Fire Protection Systems (CH 9).

918.1 Emergency responder radio coverage shall be provided in all new buildings in accordance with Section 510 of the IFC. MEANS OF EGRESS (CH 10) 1003 General Means of Egress applicable to all three elements of the means of egress; exit access, exit, and exit discharge. 1004 Occupant Loads to be determined by Table 1004.1 or actual load approved by the building official. 1004.4 Where a building contains two or more occupancies, the means of egress requirements shall apply to each portion of the building based on the occupancy of that space. 1004.8 Concentrated business uses area. The occupant load factor for concentrated business use shall be applied to Emergency Operation Center room, it is a business use area with a higher density of occupants than would normally be expected in a typical business occupancy environment. 1006.2.1 Two exits or exit access doorways from any space shall be provided where the design occupant load or the common path of egress travel distance exceeds the values listed in Table 1006.2.1. T-1006.2.1 Maximum common path of egress travel with sprinkler system for Group B is 100 FT. Maximum common path of egress travel with sprinkler system for Group R-3 is 125 FT. Maximum common path of egress travel with sprinkler system for Group S-2 is 100 FT. 1006.2.2.1 Boiler, incinerator and furnace rooms. Two exit access doorways are required in boiler, incinerator and furnace rooms where the area is > 500 SF and any fuel-fired equipment exceeds 400,000 BTU input capacity. 1006.2.2.6 where group R-3 occupancies are permitted by section 903.2.8 to be protected by an automatic sprinkler system installed in accordance with section 903.3.1.3, the exit access travel distance for Group R-3 shall be not more than 125 feet. 1009.3.2 Stairways shall have a clear width of 48" minimum between hand rails. Exception 1. The clear width of 48" between handrails is not required in buildings equipped throughout with an automatic sprinkler system installed in accordance with section 903.3.1.1 or 903.3.1.2. 1011.2 The required capacity of stairways shall be determined as specified in Section 1005.1, but the minimum width shall be not less than 44 inches. 1011.7.3 Enclosures under interior stairways. The walls and soffits within enclosed usable spaces under enclosed and unenclosed stairways shall be protected by 1-hour fire-resistance-rated construction or the fire-resistance rating of the stairway enclosure, whichever is greater. Access to the enclosed space shall not be directly from within the stairway enclosure. 1016.2 Egress through intervening spaces. Egress through intervening spaces shall comply with this section. 1. Exit access through an enclosed elevator lobby is permitted. Access to not less than one of the required exists shall be provided without travel through the enclosed elevator lobbies required by section 3006. Where the path of exit access travel passes through an enclosed elevator lobby, the level or protection required for the enclosed elevator lobby is not required to be extended to the exit unless direct access to an exit is required by other sections of this code. 2. Egress from a room or space shall not pass through adjoining or intervening rooms or areas, except where adjoining rooms or areas and the area served are accessory to one or the other, are not Group H occupancy and provide a discernible path of egress travel to an exit. 3. An exit access shall not pass through a room that can be locked to prevent egress. 4. Means of egress fro dwelling units or sleeping areas shall not lead through other sleeping areas, toilet rooms or bathrooms. 5. Egress shall not pass through kitchens, storage rooms, closets or spaces used for similar purposes. Exception #1: Means of egress are not prohibited through a kitchen area serving adjoining rooms constituting part of the same dwelling unit or sleeping unit. T-1017.2 Exit Access Travel Distance. Maximum 300 feet for Group B. Maximum 250 feet for Group R-3. Maximum 400 feet for Group S-2. Distances are for fully sprinklered buildings. 1019.3 Floor openings containing exist access stairways that do not comply with one of the conditions listed in this section shall be enclosed with a shaft enclosure constructed in accordance with Section 713. 1. exit access stairways that serve or atmospherically communicate between only two stories are not required to be enclosed. 1020.1 Construction. Corridors shall be fire-resistance rated in accordance with Table 1020.1. The corridor walls required to be fire-resistance rated shall comply with Section 708 for fire partitions. T-1020.1 Corridor Fire-Resistance Rating Occupancy Occupant Load Served by Corridor Rating (hrs) - w/ Sprinkler System B / S > 30 0 R >10 0.5 1020.2 Corridor Width. The required capacity of corridors shall be determined as specified in section 1005.1, the minimum width shall be not less than that specified in Table 1020.2, Minimum width provided 44". 1020.4 Dead Ends. Where more than one exit or exit access doorway is required, the exit access shall be arranged such that there are no dead ends in corridors more than 20 feet in length. Exception #2: In Group B and S where the building is equipped throughout with an automatic sprinkler system the length of dead-end corridors shall not exceed 50 feet. 1023.1 Interior exit stairways shall be enclosed and lead directly to the exterior of the building or shall be extended to the exterior of the building with an exit passageway conforming to the requirements of section 1024, except as permitted in section 1028.1. An interior exit stairway or ramp shall not be used for any purpose other than as a means of egress and a circulation path.

Table with columns for area, required table 422.1, and provided. Includes sections for Project Data, List of Areas, Code Provisions and Standards Used for this Project, and Minimum Plumbing Fixtures.

PROJECT DATA



BETTISWORTH NORTH architecture • planning

CORPORATE NO. AEC2219 BETTISWORTH.COM

HAINES BOROUGH HAINES COMMUNITY SAFETY AND TRAINING CENTER HAINES, ALASKA 65% PRICING SET

Table with columns for CONSULTANT, PROJECT NO., DATE, DRAWN BY, CHECKED BY.

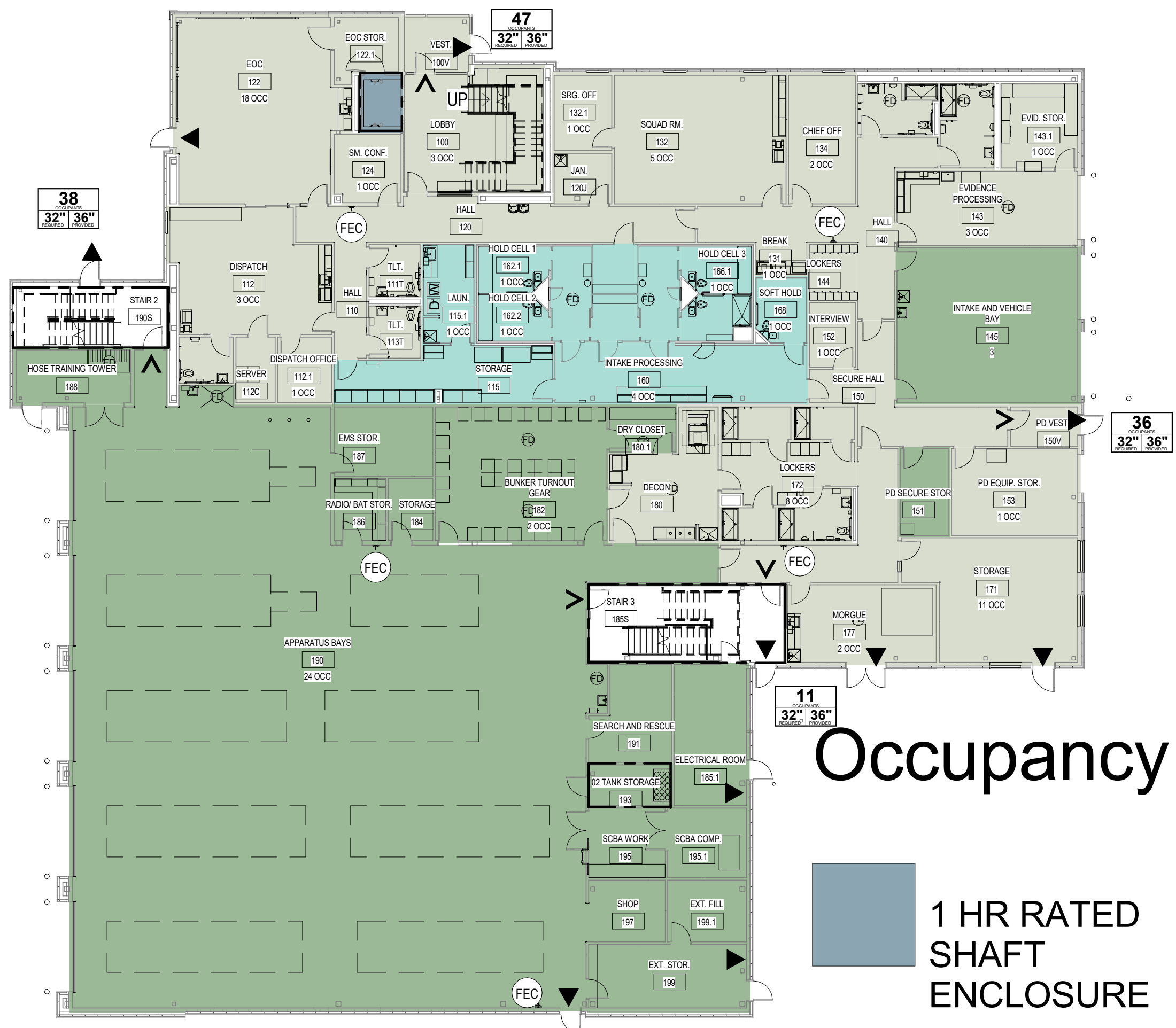
Table with columns for REVISION, DESCRIPTION, DATE.

BUILDING CODE DATA G003

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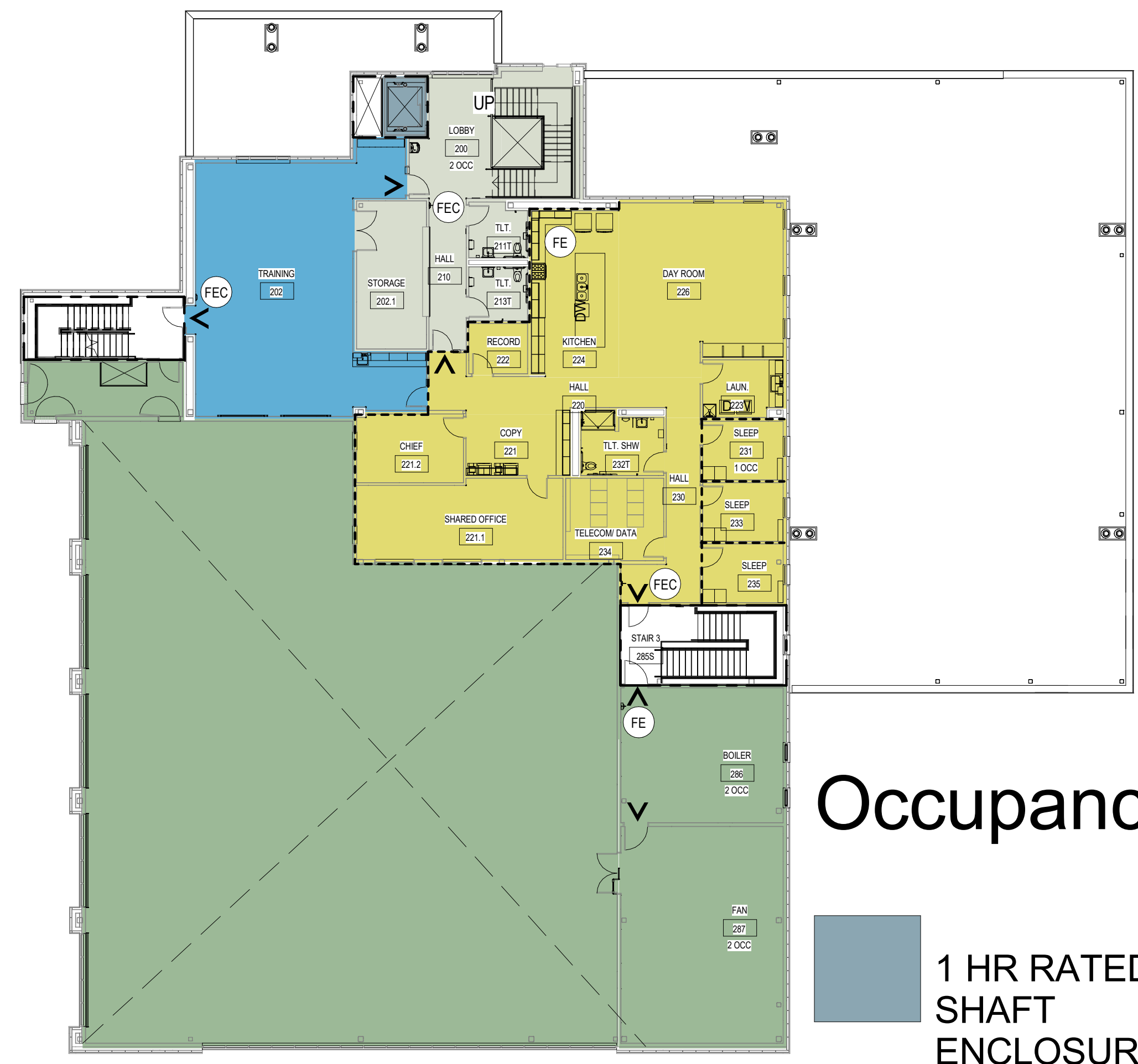
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### Occupancy

- 1 HR RATED SHAFT ENCLOSURE
- GROUP B
- GROUP B (HOLDING)
- GROUP S-2

**1** G004 CODE PLAN- FIRST FLOOR  
1/16" = 1'-0"



### Occupancy

- 1 HR RATED SHAFT ENCLOSURE
- GROUP A-3
- GROUP B
- GROUP R-3
- GROUP S-2

**2** G004 CODE PLAN- SECOND FLOOR  
1/16" = 1'-0"

LIFE SAFETY NOTES	
SEE SHEET G002 FOR BUILDING CODE DATA	
SEE SHEET A901 FOR DOOR FIRE RATINGS	
FIRE PROTECTION & EGRESS PLAN LEGEND	
	PATH OF EGRESS
	NON RATED PARTITION
	SMOKE PARTITION
	1-HOUR
	RATED HORIZONTAL ASSEMBLY
	100' PATH OF EGRESS TRAVEL / TRAVEL DISTANCE
	BUILDING EXIT
	FIRE EXTINGUISHER
	CODE RELATED NOTE

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: JN  
CHECKED BY: RR

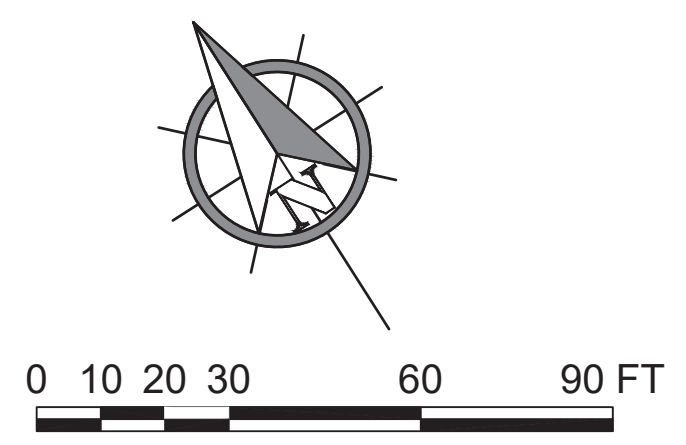
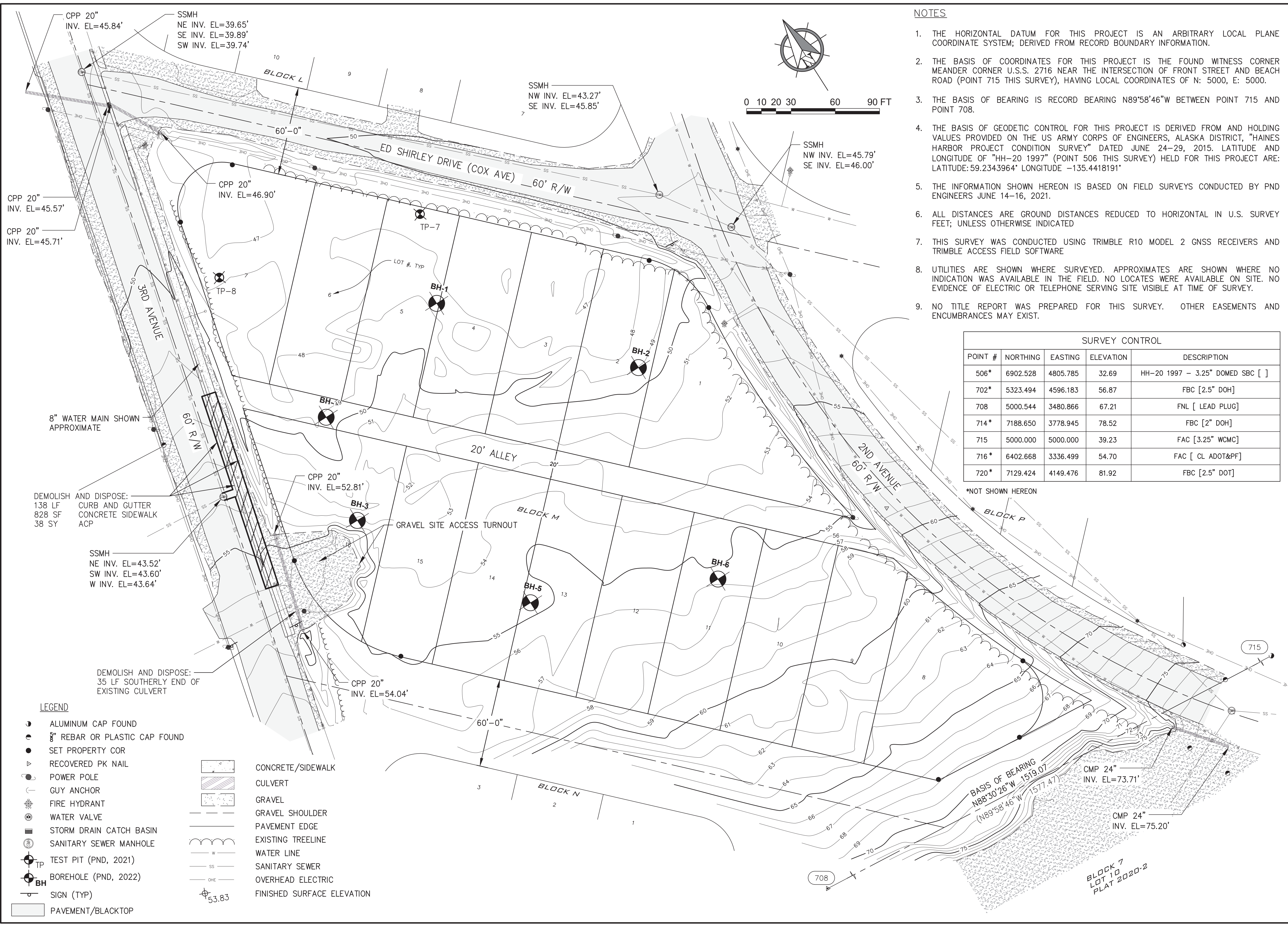
REVISION	DESCRIPTION	DATE

FIRE & LIFE SAFETY CODE PLAN

**G004**

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**NOTES**

1. THE HORIZONTAL DATUM FOR THIS PROJECT IS AN ARBITRARY LOCAL PLANE COORDINATE SYSTEM; DERIVED FROM RECORD BOUNDARY INFORMATION.
2. THE BASIS OF COORDINATES FOR THIS PROJECT IS THE FOUND WITNESS CORNER MEANDER CORNER U.S.S. 2716 NEAR THE INTERSECTION OF FRONT STREET AND BEACH ROAD (POINT 715 THIS SURVEY), HAVING LOCAL COORDINATES OF N: 5000, E: 5000.
3. THE BASIS OF BEARING IS RECORD BEARING N89°58'46"W BETWEEN POINT 715 AND POINT 708.
4. THE BASIS OF GEODETIC CONTROL FOR THIS PROJECT IS DERIVED FROM AND HOLDING VALUES PROVIDED ON THE US ARMY CORPS OF ENGINEERS, ALASKA DISTRICT, "HAINES HARBOR PROJECT CONDITION SURVEY" DATED JUNE 24-29, 2015. LATITUDE AND LONGITUDE OF "HH-20 1997" (POINT 506 THIS SURVEY) HELD FOR THIS PROJECT ARE: LATITUDE: 59.2343964' LONGITUDE -135.4418191'
5. THE INFORMATION SHOWN HEREON IS BASED ON FIELD SURVEYS CONDUCTED BY PND ENGINEERS JUNE 14-16, 2021.
6. ALL DISTANCES ARE GROUND DISTANCES REDUCED TO HORIZONTAL IN U.S. SURVEY FEET; UNLESS OTHERWISE INDICATED
7. THIS SURVEY WAS CONDUCTED USING TRIMBLE R10 MODEL 2 GNSS RECEIVERS AND TRIMBLE ACCESS FIELD SOFTWARE
8. UTILITIES ARE SHOWN WHERE SURVEYED. APPROXIMATES ARE SHOWN WHERE NO INDICATION WAS AVAILABLE IN THE FIELD. NO LOCATES WERE AVAILABLE ON SITE. NO EVIDENCE OF ELECTRIC OR TELEPHONE SERVING SITE VISIBLE AT TIME OF SURVEY.
9. NO TITLE REPORT WAS PREPARED FOR THIS SURVEY. OTHER EASEMENTS AND ENCUMBRANCES MAY EXIST.

SURVEY CONTROL				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
506*	6902.528	4805.785	32.69	HH-20 1997 - 3.25" DOMED SBC [ ]
702*	5323.494	4596.183	56.87	FBC [2.5" DOH]
708	5000.544	3480.866	67.21	FNL [ LEAD PLUG]
714*	7188.650	3778.945	78.52	FBC [2" DOH]
715	5000.000	5000.000	39.23	FAC [3.25" WCMC]
716*	6402.668	3336.499	54.70	FAC [ CL ADOT&PF]
720*	7129.424	4149.476	81.92	FBC [2.5" DOT]

\*NOT SHOWN HEREON

**LEGEND**

- ALUMINUM CAP FOUND
- 8" REBAR OR PLASTIC CAP FOUND
- SET PROPERTY COR
- RECOVERED PK NAIL
- POWER POLE
- GUY ANCHOR
- FIRE HYDRANT
- WATER VALVE
- STORM DRAIN CATCH BASIN
- SANITARY SEWER MANHOLE
- TP TEST PIT (PND, 2021)
- BH BOREHOLE (PND, 2022)
- SIGN (TYP)
- PAVEMENT/BLACKTOP
- ▨ CONCRETE/SIDEWALK
- ▨ CULVERT
- ▨ GRAVEL
- ▨ GRAVEL SHOULDER
- ▨ PAVEMENT EDGE
- ▨ EXISTING TREELINE
- ▨ WATER LINE
- ▨ SANITARY SEWER
- ▨ OVERHEAD ELECTRIC
- ▨ FINISHED SURFACE ELEVATION

CONSULTANT:  
**PND ENGINEERS, INC.**  
9360 Glacier Highway Suite 100  
Juneau, Alaska 99801  
Phone: 907-586-2093  
Fax: 907-586-2099  
AK. LIC# AEC250

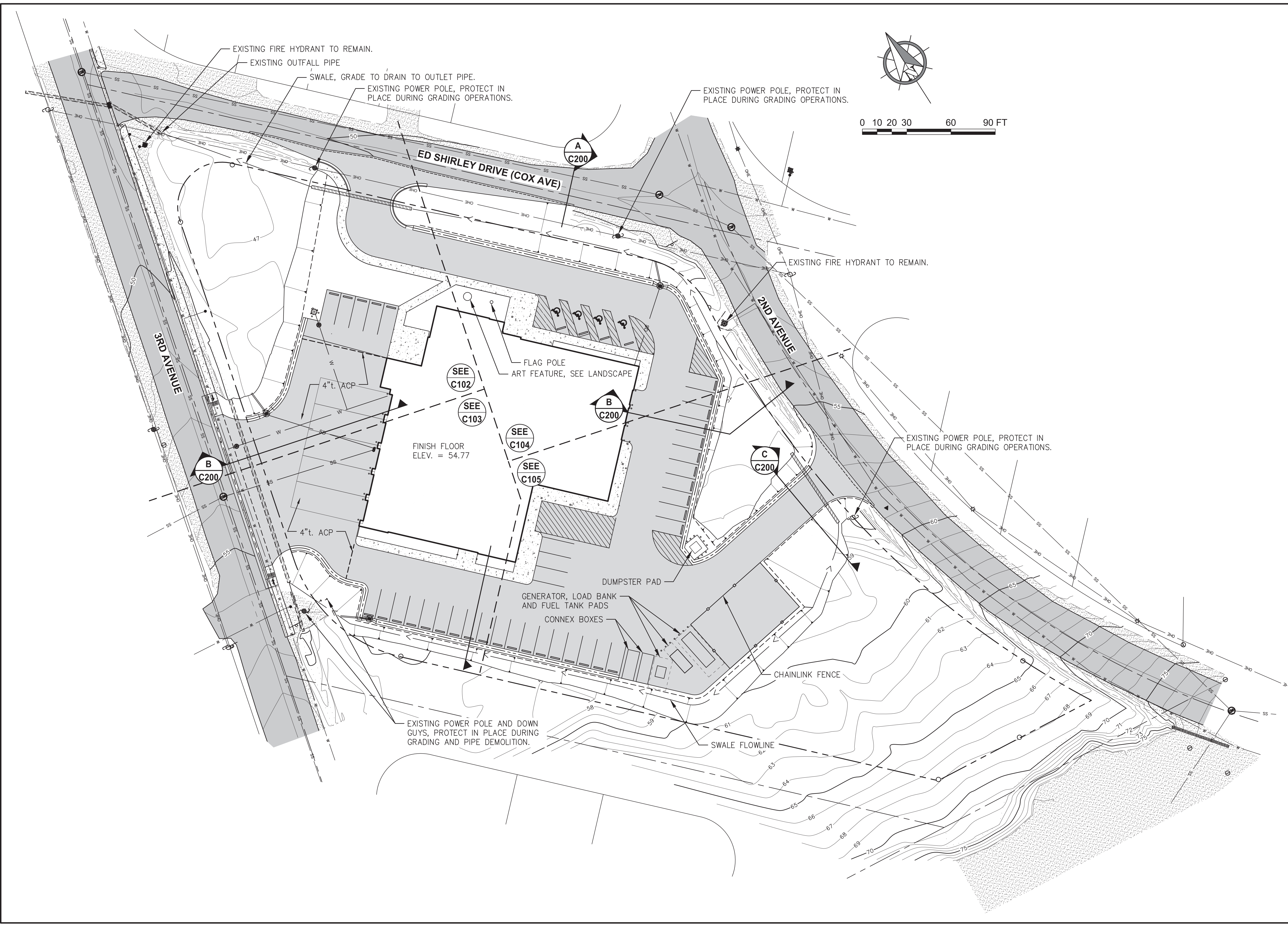
PROJECT NO: PND 202103  
DATE: 2022-08-25  
DRAWN BY: MS  
CHECKED BY: IB

REVISION	DESCRIPTION	DATE

EXISTING CONDITIONS AND DEMOLITION PLAN  
**C100**  
BETTISWORTH NORTH ARCHITECTS & PLANNERS

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.



HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
 HAINES, ALASKA

CONSULTANT:  
**P N D**  
**ENGINEERS, INC.**  
 9360 Glacier Highway Suite 100  
 Juneau, Alaska 99801  
 Phone: 907-586-2093  
 Fax: 907-586-2099  
 AK. LIC# AEC250

PROJECT NO: PND 202103  
 DATE: 2022-08-25  
 DRAWN BY: WRB  
 CHECKED BY: SCS

REVISION	DESCRIPTION	DATE

NOT FOR CONSTRUCTION

OVERALL SITE PLAN

**C101**

BETTISWORTH NORTH ARCHITECTS & PLANNERS

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

**LAYOUT POINTS**

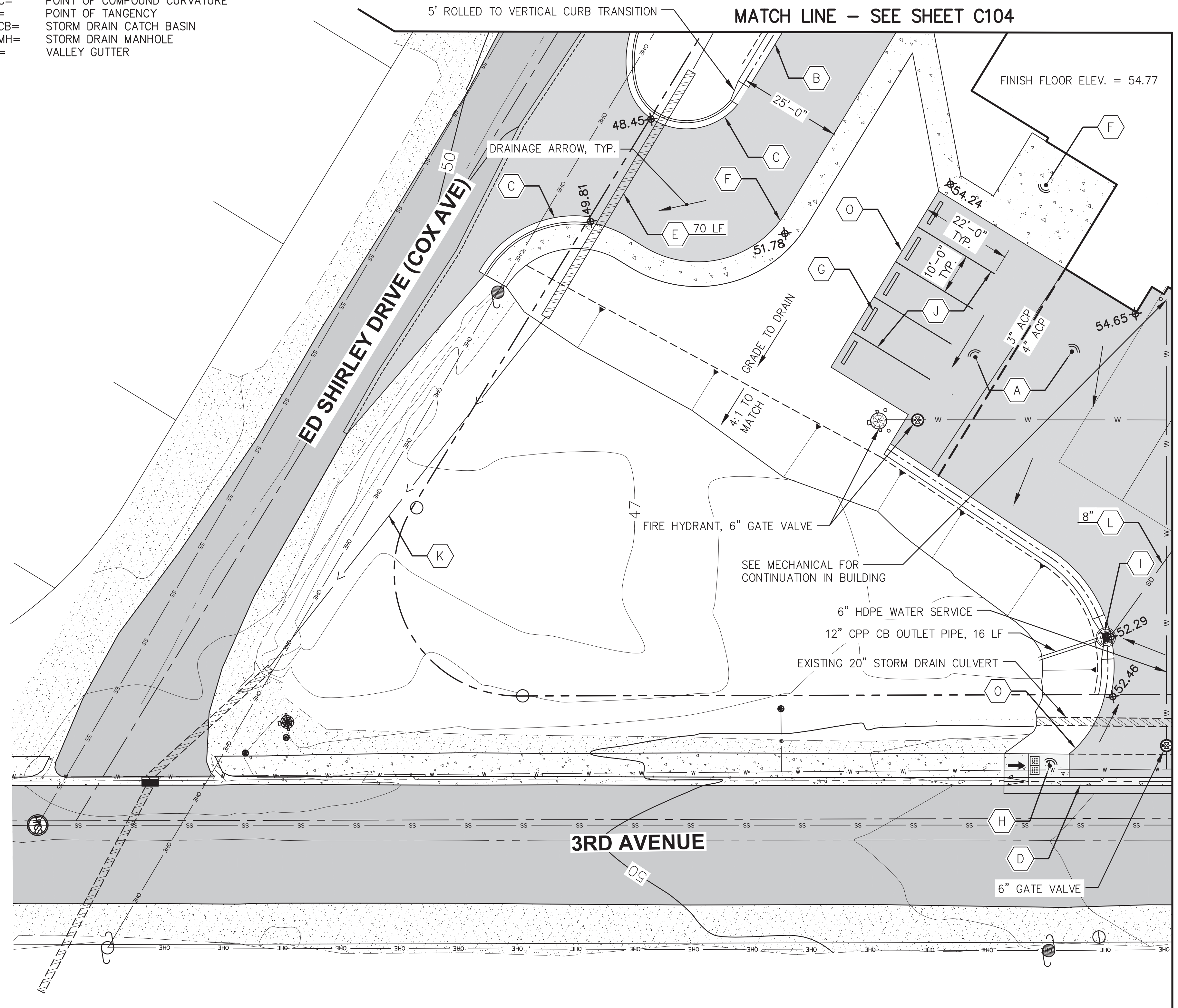
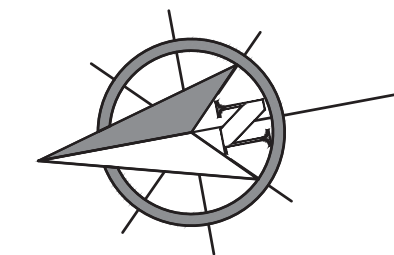
POINT	NORTHING	EASTING	ELEV.	DESCRIPTION
100				
101				
102				
103				
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TO BE DEVELOPED

**TABLE ABBREVIATIONS:**

<PT=	ANGLE POINT
ACP=	ASPHALT CONCRETE PAVEMENT
AD=	AREA DRAIN
BW=	BACK OF WALL
C=	CONCRETE
CB=	CATCH BASIN
FC=	FACE OF CURB
FG=	FINISHED GRADE
FL=	FLOWLINE
FTG=	FOOTING
FW=	FACE OF WALL
MH=	MANHOLE
ME=	MATCH EXISTING
PC=	POINT OF CURVATURE
PCC=	POINT OF COMPOUND CURVATURE
PT=	POINT OF TANGENCY
SDCB=	STORM DRAIN CATCH BASIN
SDMH=	STORM DRAIN MANHOLE
VG=	VALLEY GUTTER

**NOTE:** SURFACE PERCENT (%) SLOPES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY AND REPRESENT THE DESIGN SLOPE AT THE CALLOUT LOCATION. LAYOUT TABLE DATA AND MATCH EXISTING CONDITIONS SHALL GOVERN CONSTRUCTION.



**SITE NOTES**

DESIGNATION	DESCRIPTION
A	TYPICAL PAVEMENT SECTION SHALL BE 3" OF ACP (4" ACP WHERE NOTED) ON 6" MINIMUM BASE COURSE GRADING D-1 ON CLASS A SHOT ROCK AND CLASS B FILL IN ACCORDANCE WITH SECTIONS ON SHEET C200.
B	CONCRETE ROLLED CURB TYPE III. SEE DETAIL A, SHEET C202.
C	CONCRETE VERTICAL CURB AND GUTTER. SEE DETAIL H, SHEET C202.
D	CONCRETE VALLEY GUTTER. SEE DETAIL D, SHEET C202.
E	24" CPP CULVERT, LF AS SHOWN
F	6"t. CONCRETE HARDSCAPE/SIDEWALK. SEE DETAIL C, SHEET C202.
G	CONCRETE WHEEL STOP, TYP. SEE DETAIL E, SHEET C202.
H	ACCESSIBLE SIDEWALK RAMP. SEE DETAIL I, SHEET C202.
I	CURB INLET ON MANHOLE WITH OIL WATER SEPARATOR. SEE DETAIL A, SHEET C201. TRANSITION TYPE III ROLLED CURB TO INLET GRATE 5' EACH SIDE OF GRATE CENTERLINE
J	4" WIDE WHITE PARKING STRIPE, TYP. UNO
K	CONSTRUCT DRAINAGE SWALE SLOPE = 0.50% MINIMUM DRAIN AREA TO AREA DRAIN INLET AS SHOWN.
L	PVC RAIN LEADER, SIZE AS SHOWN, CONNECT TO CATCH BASIN.
M	PIPE BOLLARD. SEE DETAIL G, SHEET C202. SEE ARCHITECTURAL DETAILS FOR BOLLARD SLEEVE TYPE.
N	ACCESSIBLE PARKING STRIPES. SEE DETAIL, SHEET C200.
O	THICKENED PAVEMENT EDGE. SEE DETAIL B, SHEET C202.
P	4" WIDE WHITE ISLAND STRIPE OUTLINE WITH INTERNAL 45 DEGREE HATCH STRIPES AT 30" O.C., TYP. UNO

CONSULTANT:  
**P N D**  
**ENGINEERS, INC.**  
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Juneau, Alaska 99801  
Phone: 907-586-2093  
Fax: 907-586-2099  
AK. LIC# AEC250

PROJECT NO: PND 202103  
DATE: 2022-08-25  
DRAWN BY: WRB  
CHECKED BY: SCS

REVISION	DESCRIPTION	DATE

GRADING PLAN WITH UNDERGROUND UTILITIES

**C102**

NOT FOR CONSTRUCTION

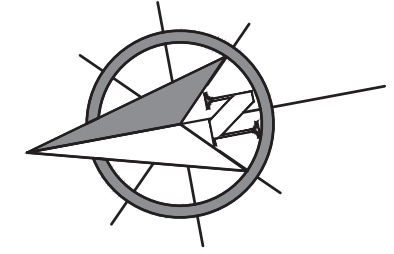
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEV.	DESCRIPTION
200				
201				
202				
203				
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211				
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216				

TO BE DEVELOPED

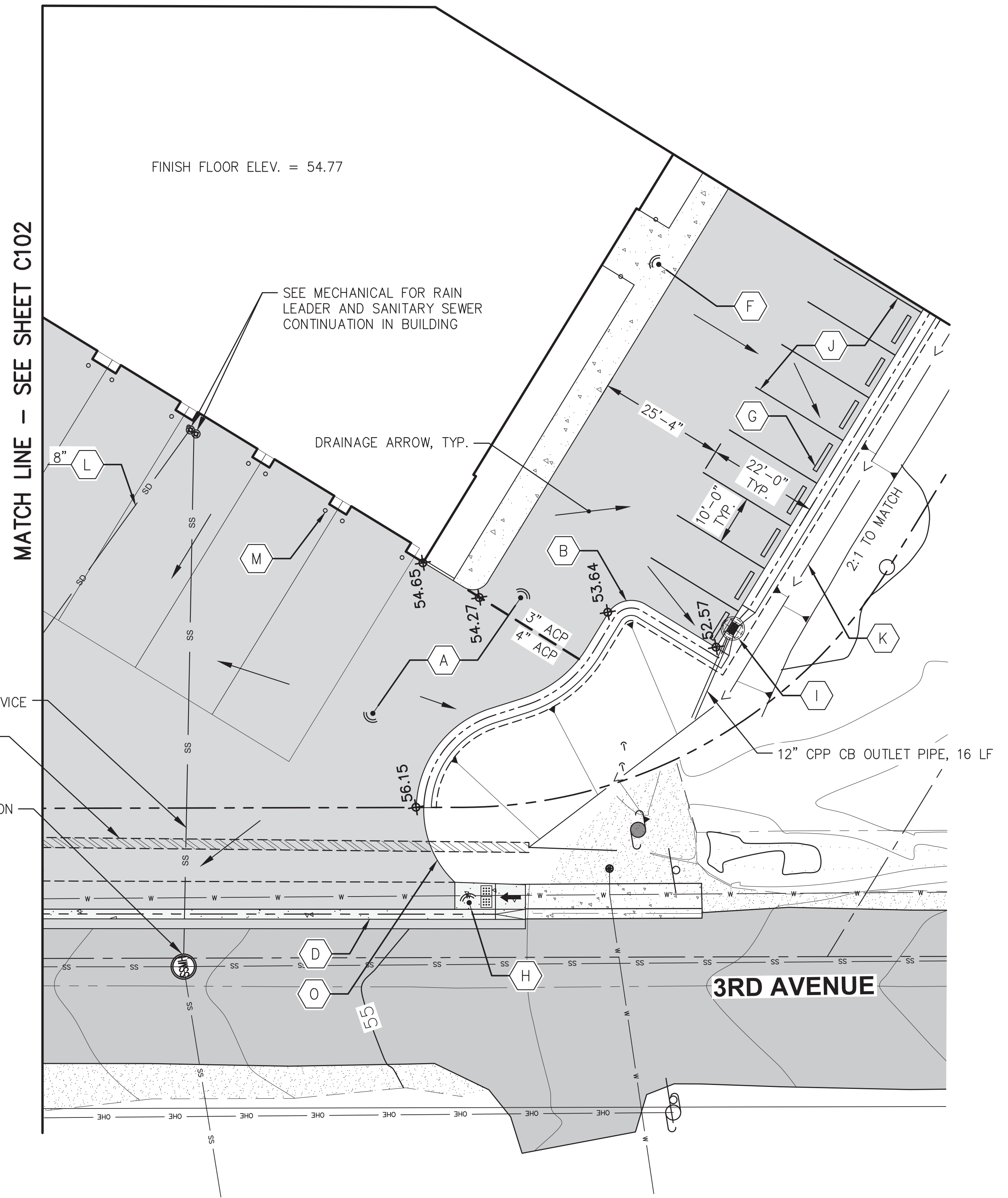
TABLE ABBREVIATIONS:

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MH=	MANHOLE
ME=	MATCH EXISTING
PC=	POINT OF CURVATURE
PCC=	POINT OF COMPOUND CURVATURE
PT=	POINT OF TANGENCY
SDCB=	STORM DRAIN CATCH BASIN
SDMH=	STORM DRAIN MANHOLE
VG=	VALLEY GUTTER



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MATCH LINE – SEE SHEET C105



SITE NOTES	
DESIGNATION	DESCRIPTION
A	TYPICAL PAVEMENT SECTION SHALL BE 3" OF ACP (4" ACP WHERE NOTED) ON 6" MINIMUM BASE COURSE GRADING D-1 ON CLASS A SHOT ROCK AND CLASS B FILL IN ACCORDANCE WITH SECTIONS ON SHEET C200.
B	CONCRETE ROLLED CURB TYPE III. SEE DETAIL A, SHEET C202.
C	CONCRETE VERTICAL CURB AND GUTTER. SEE DETAIL H, SHEET C202.
D	CONCRETE VALLEY GUTTER. SEE DETAIL D, SHEET C202.
E	24" CPP CULVERT, LF AS SHOWN
F	6"t. CONCRETE HARDSCAPE/SIDEWALK. SEE DETAIL C, SHEET C202.
G	CONCRETE WHEEL STOP, TYP. SEE DETAIL E, SHEET C202.
H	ACCESSIBLE SIDEWALK RAMP. SEE DETAIL I, SHEET C202.
I	CURB INLET ON MANHOLE WITH OIL WATER SEPARATOR. SEE DETAIL A, SHEET C201. TRANSITION TYPE III ROLLED CURB TO INLET GRATE 5' EACH SIDE OF GRATE CENTERLINE
J	4" WIDE WHITE PARKING STRIPE, TYP. UNO
K	CONSTRUCT DRAINAGE SWALE SLOPE = 0.50% MINIMUM DRAIN AREA TO AREA DRAIN INLET AS SHOWN.
L	PVC RAIN LEADER, SIZE AS SHOWN, CONNECT TO CATCH BASIN.
M	PIPE BOLLARD. SEE DETAIL G, SHEET C202. SEE ARCHITECTURAL DETAILS FOR BOLLARD SLEEVE TYPE.
N	ACCESSIBLE PARKING STRIPES. SEE DETAIL, SHEET C200.
O	THICKENED PAVEMENT EDGE. SEE DETAIL B, SHEET C202.
P	4" WIDE WHITE ISLAND STRIPE OUTLINE WITH INTERNAL 45 DEGREE HATCH STRIPES AT 30" O.C., TYP. UNO

CONSULTANT:

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GRADING PLAN WITH UNDERGROUND UTILITIES

**C103**

BETTISWORTH NORTH ARCHITECTS & PLANNERS



IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

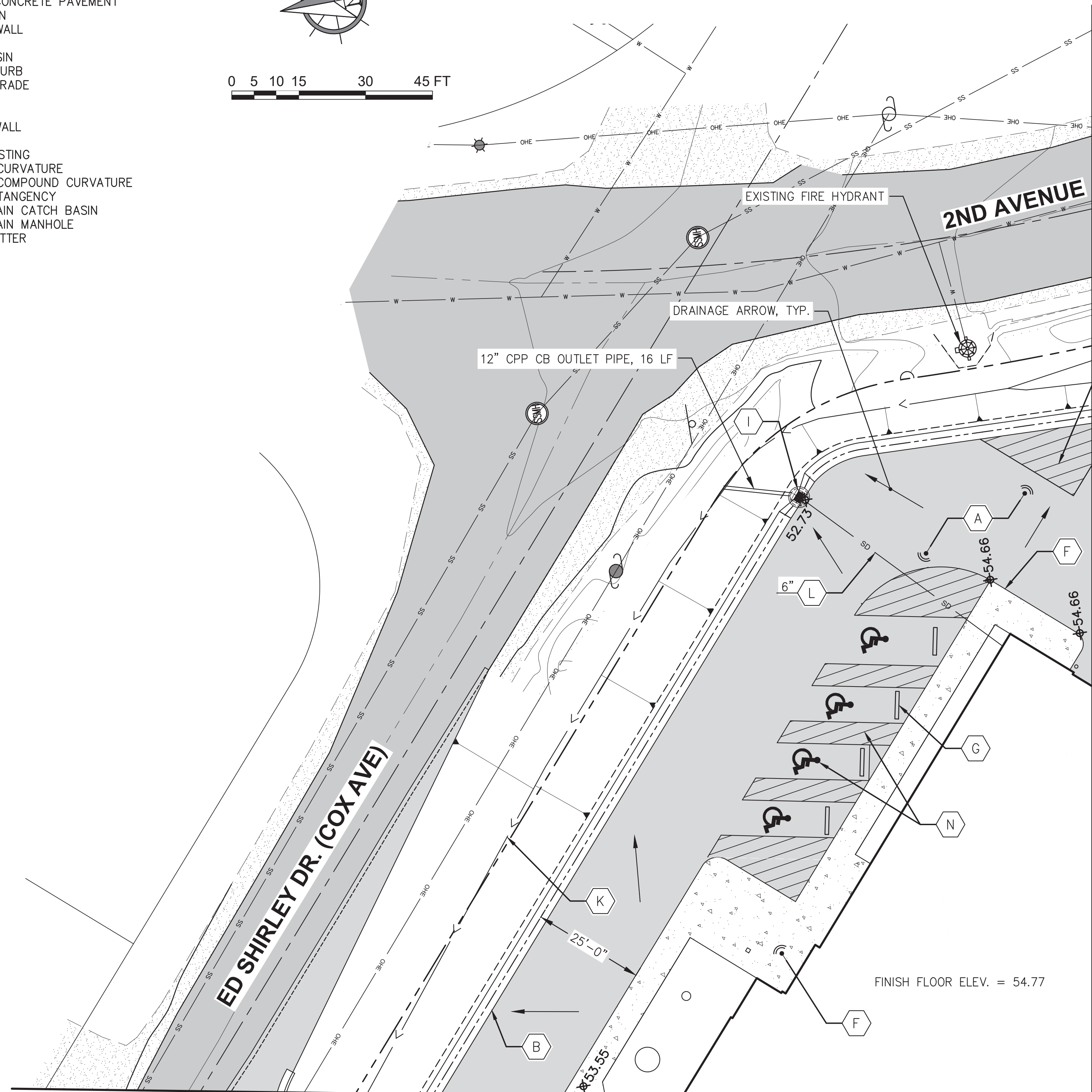
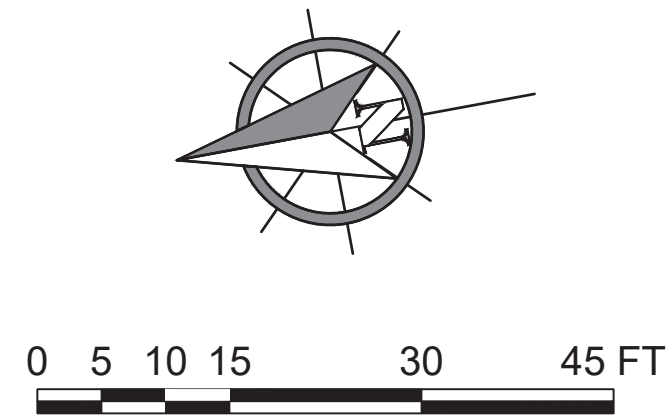
**LAYOUT POINTS**

POINT	NORTHING	EASTING	ELEV.	DESCRIPTION
300				
301				
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TO BE DEVELOPED

**TABLE ABBREVIATIONS:**

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ME=	MATCH EXISTING
PC=	POINT OF CURVATURE
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PT=	POINT OF TANGENCY
SDCB=	STORM DRAIN CATCH BASIN
SDMH=	STORM DRAIN MANHOLE
VG=	VALLEY GUTTER



**SITE NOTES**

DESIGNATION	DESCRIPTION
(A)	TYPICAL PAVEMENT SECTION SHALL BE 3" OF ACP (4" ACP WHERE NOTED) ON 6" MINIMUM BASE COURSE GRADING D-1 ON CLASS A SHOT ROCK AND CLASS B FILL IN ACCORDANCE WITH SECTIONS ON SHEET C200.
(B)	CONCRETE ROLLED CURB TYPE III. SEE DETAIL A, SHEET C202.
(C)	CONCRETE VERTICAL CURB AND GUTTER. SEE DETAIL H, SHEET C202.
(D)	CONCRETE VALLEY GUTTER. SEE DETAIL D, SHEET C202.
(E)	24" CPP CULVERT, LF AS SHOWN
(F)	6"t. CONCRETE HARDSCAPE/SIDEWALK. SEE DETAIL C, SHEET C202.
(G)	CONCRETE WHEEL STOP, TYP. SEE DETAIL E, SHEET C202.
(H)	ACCESSIBLE SIDEWALK RAMP. SEE DETAIL I, SHEET C202.
(I)	CURB INLET ON MANHOLE WITH OIL WATER SEPARATOR. SEE DETAIL A, SHEET C201. TRANSITION TYPE III ROLLED CURB TO INLET GRATE 5' EACH SIDE OF GRATE CENTERLINE
(J)	4" WIDE WHITE PARKING STRIPE, TYP. UNO
(K)	CONSTRUCT DRAINAGE SWALE SLOPE = 0.50% MINIMUM DRAIN AREA TO AREA DRAIN INLET AS SHOWN.
(L)	PVC RAIN LEADER, SIZE AS SHOWN, CONNECT TO CATCH BASIN.
(M)	PIPE BOLLARD. SEE DETAIL G, SHEET C202. SEE ARCHITECTURAL DETAILS FOR BOLLARD SLEEVE TYPE.
(N)	ACCESSIBLE PARKING STRIPES. SEE DETAIL, SHEET C200.
(O)	THICKENED PAVEMENT EDGE. SEE DETAIL B, SHEET C202.
(P)	4" WIDE WHITE ISLAND STRIPE OUTLINE WITH INTERNAL 45 DEGREE HATCH STRIPES AT 30" O.C., TYP. UNO

MATCH LINE - SEE SHEET C102

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CONSULTANT:  
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**ENGINEERS, INC.**  
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 AK. LIC# AEC250

PROJECT NO:	PND 202103
DATE:	2022-08-25
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CHECKED BY:	SCS

REVISION	DESCRIPTION	DATE

GRADING PLAN WITH UNDERGROUND UTILITIES

**C104**

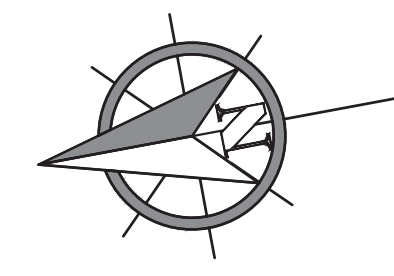
NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

LAYOUT POINTS				
POINT	NORTHING	EASTING	ELEV.	DESCRIPTION
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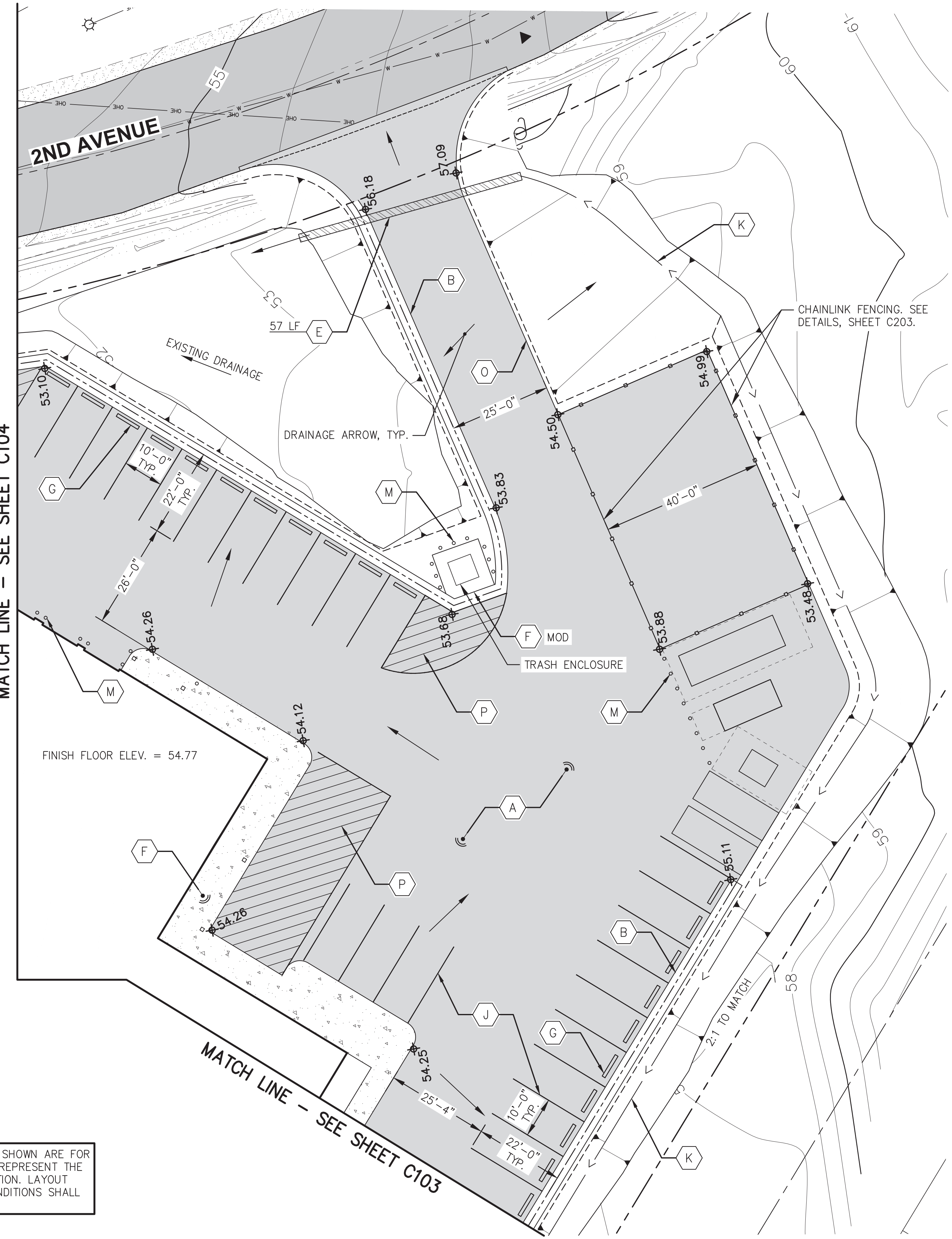
TO BE DEVELOPED

- TABLE ABBREVIATIONS:
- <PT= ANGLE POINT
  - ACP= ASPHALT CONCRETE PAVEMENT
  - AD= AREA DRAIN
  - BW= BACK OF WALL
  - C= CONCRETE
  - CB= CATCH BASIN
  - FC= FACE OF CURB
  - FG= FINISHED GRADE
  - FL= FLOWLINE
  - FTG= FOOTING
  - FW= FACE OF WALL
  - MH= MANHOLE
  - ME= MATCH EXISTING
  - PC= POINT OF CURVATURE
  - PCC= POINT OF COMPOUND CURVATURE
  - PT= POINT OF TANGENCY
  - SDCB= STORM DRAIN CATCH BASIN
  - SDMH= STORM DRAIN MANHOLE
  - VG= VALLEY GUTTER



SITE NOTES	
DESIGNATION	DESCRIPTION
A	TYPICAL PAVEMENT SECTION SHALL BE 3" OF ACP (4" ACP WHERE NOTED) ON 6" MINIMUM BASE COURSE GRADING D-1 ON CLASS A SHOT ROCK AND CLASS B FILL IN ACCORDANCE WITH SECTIONS ON SHEET C200.
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E	24" CPP CULVERT, LF AS SHOWN
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G	CONCRETE WHEEL STOP, TYP. SEE DETAIL E, SHEET C202.
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N	ACCESSIBLE PARKING STRIPES. SEE DETAIL, SHEET C200.
O	THICKENED PAVEMENT EDGE. SEE DETAIL B, SHEET C202.
P	4" WIDE WHITE ISLAND STRIPE OUTLINE WITH INTERNAL 45 DEGREE HATCH STRIPES AT 30" O.C., TYP. UNO

MATCH LINE - SEE SHEET C104



**NOTE:** SURFACE PERCENT (%) SLOPES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY AND REPRESENT THE DESIGN SLOPE AT THE CALLOUT LOCATION. LAYOUT TABLE DATA AND MATCH EXISTING CONDITIONS SHALL GOVERN CONSTRUCTION.

**T C A**  
architecture + planning

**BETTISWORTH NORTH**

architecture + planning

CORPORATE NO. AEC2219 BETTISWORTH.COM

**HAINES BOROUGH**  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
**HAINES, ALASKA**

CONSULTANT:

P

N

D

**ENGINEERS, INC.**

9360 Glacier Highway Suite 100  
Juneau, Alaska 99801  
Phone: 907-586-2093  
Fax: 907-586-2099  
AK. LIC# AECC250

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REVISION	DESCRIPTION	DATE

GRADING PLAN WITH UNDERGROUND UTILITIES

**C105**

BETTISWORTH NORTH ARCHITECTS & PLANNERS

NOT FOR CONSTRUCTION

65% PRICING SET

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

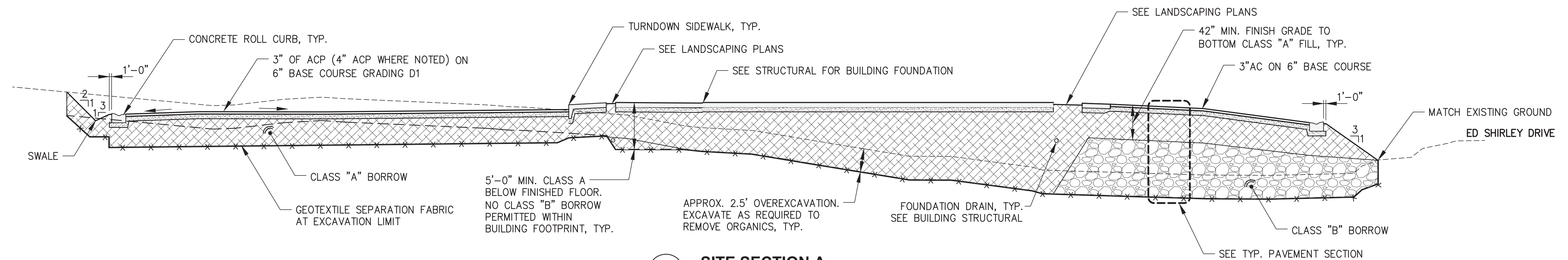
CONSULTANT:

**P N D**  
**ENGINEERS, INC.**

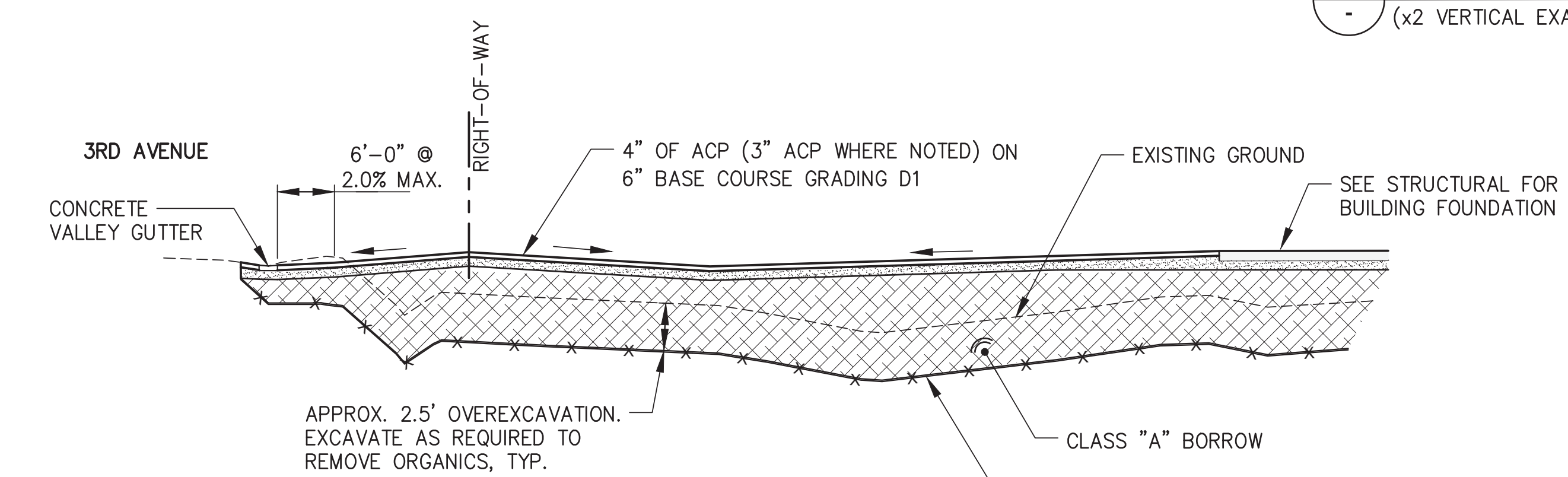
9360 Glacier Highway Suite 100  
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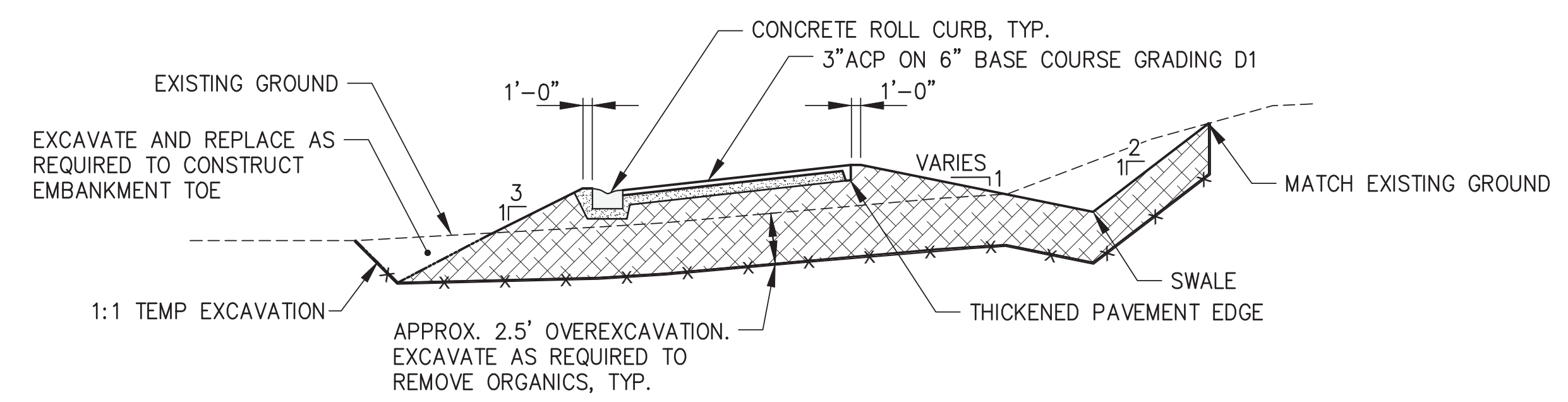
TYPICAL SECTIONS AND DETAILS



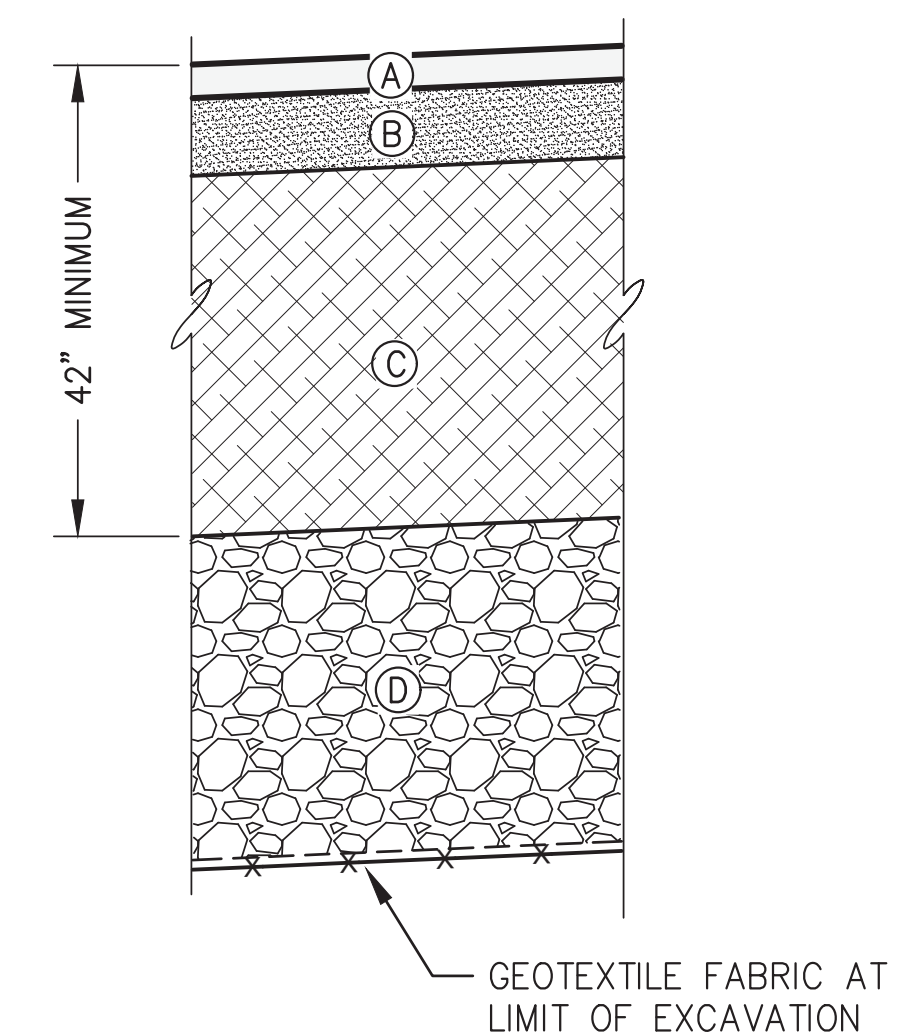
**A SITE SECTION A**  
 (x2 VERTICAL EXAGGERATION)



**B SITE SECTION B**  
 (x2 VERTICAL EXAGGERATION)

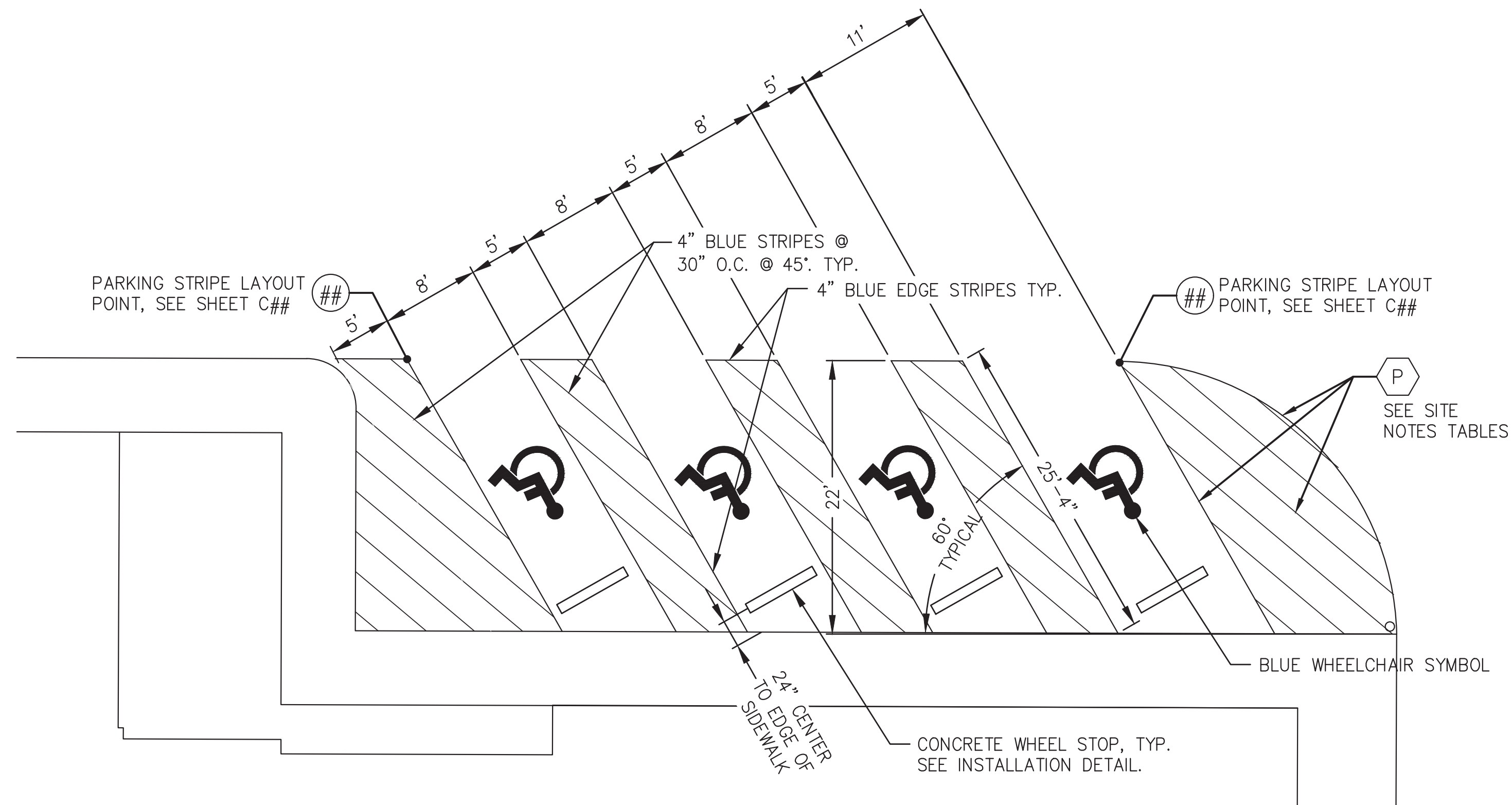


**C SITE SECTION C**  
 (x2 VERTICAL EXAGGERATION)



**TYP. PAVEMENT SECTION**

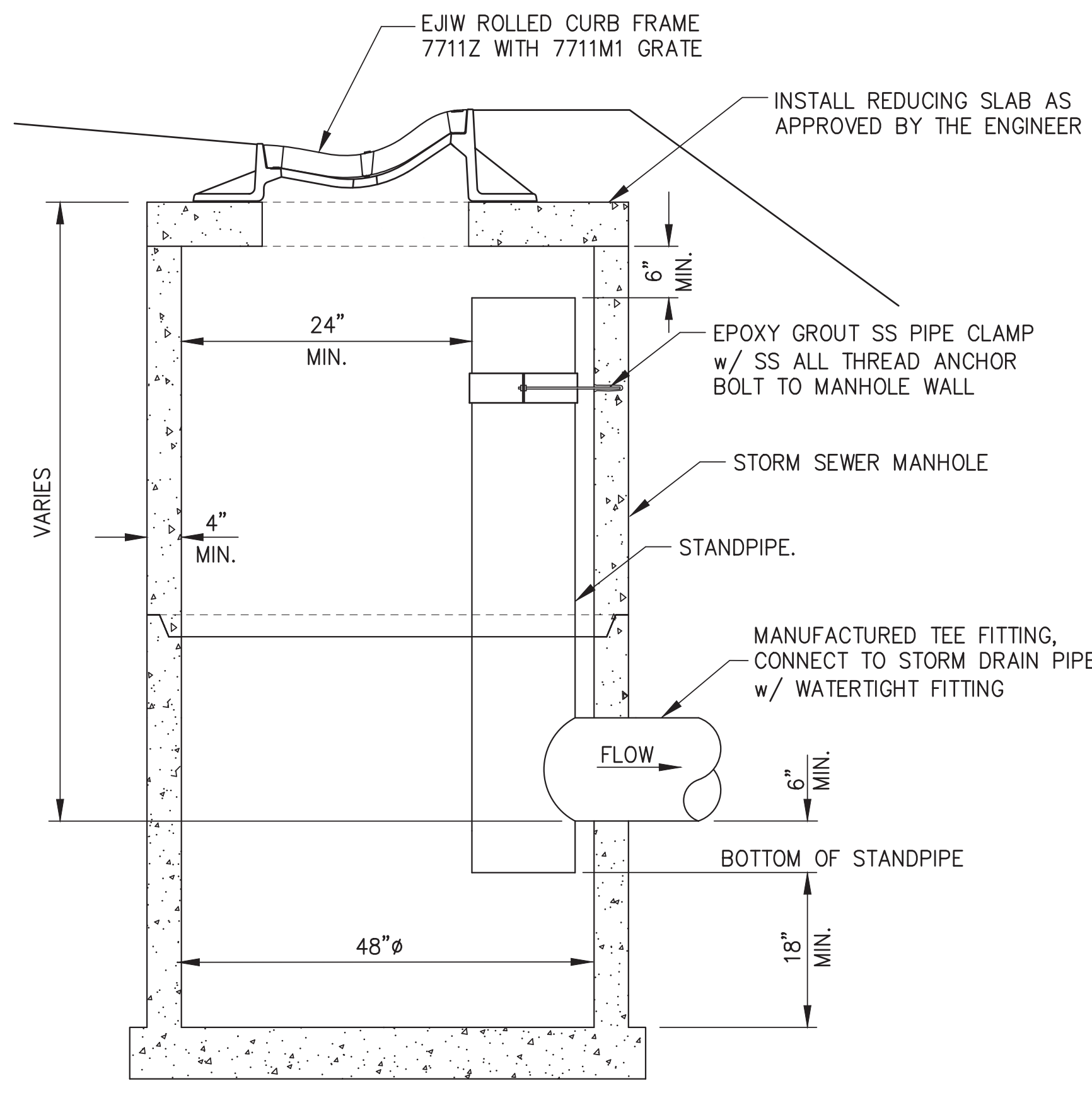
MATERIAL DESIGNATIONS	
SYMBOL	MATERIAL DESCRIPTION
(A)	3" ACP (4" ACP WHERE NOTED), SEE SITE PLAN
(B)	6" t. MIN. BASE COURSE GRADING D-1
(C)	33" t. MIN. CLASS "A" BORROW, TYP. (32" t. AT 4" ACP)
(D)	CLASS "B" BORROW, AS NEEDED TO EXCAVATION LIMIT



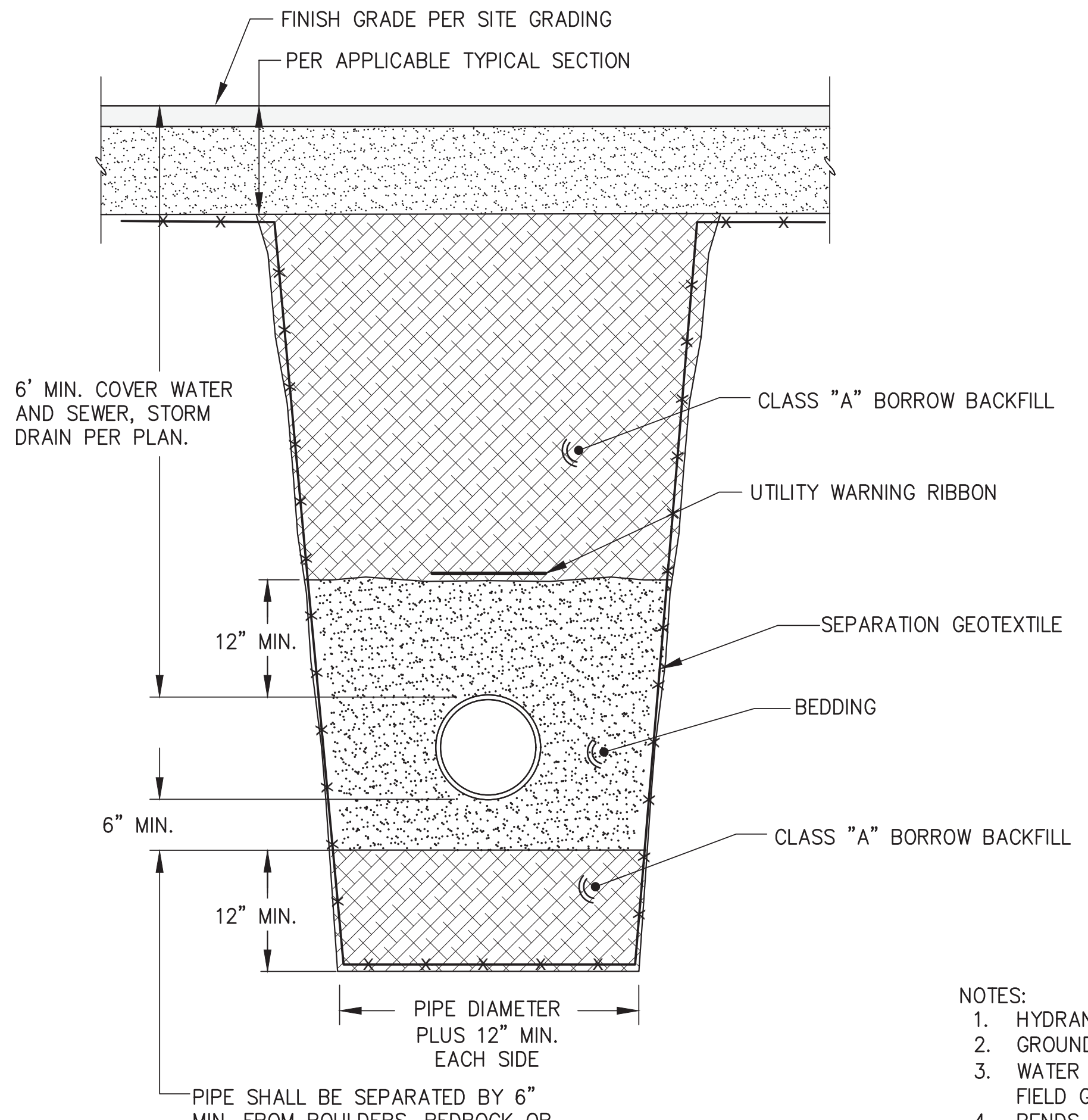
**ADA PARKING STRIPE DETAIL**

NOT FOR CONSTRUCTION

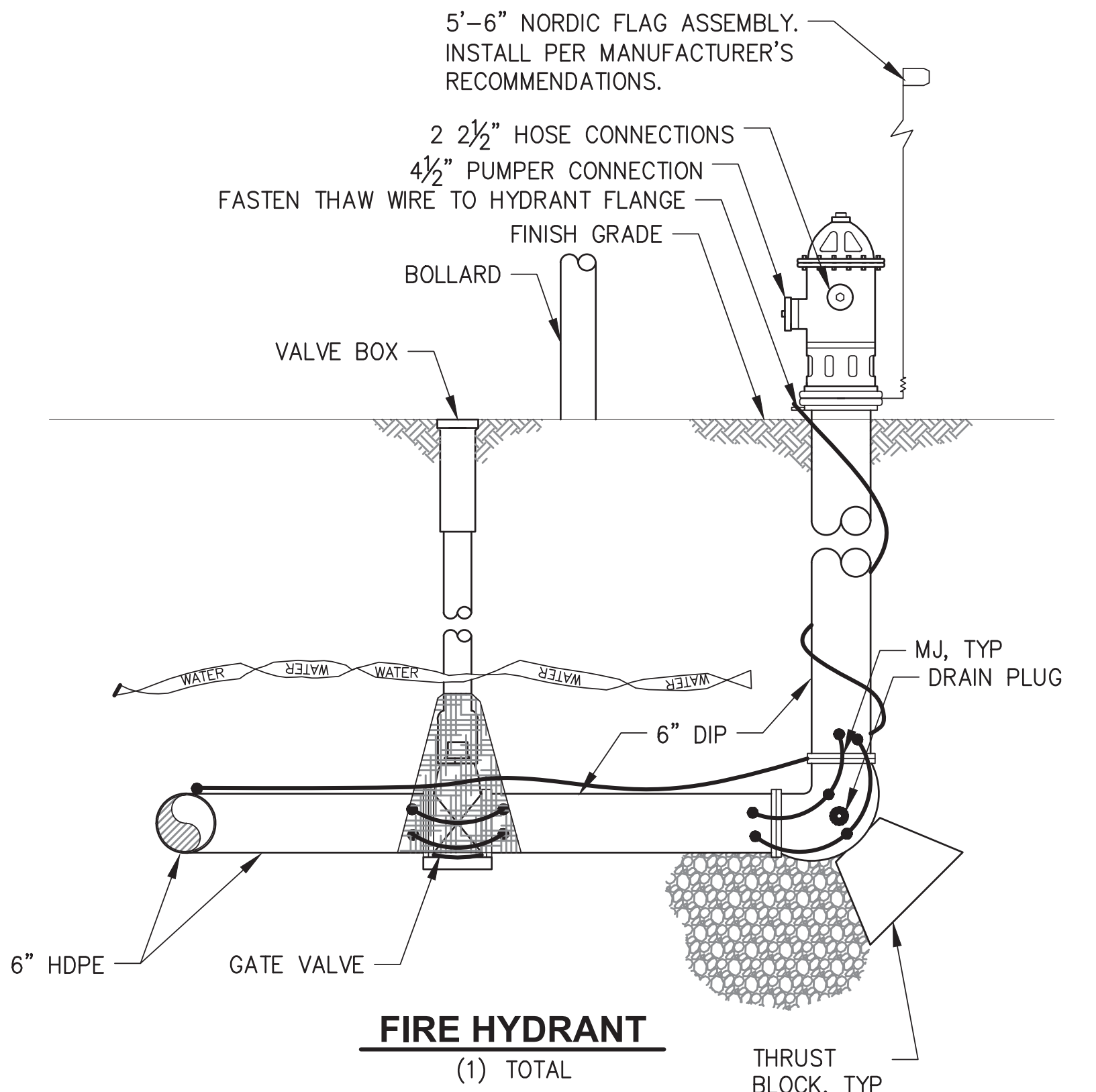
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES



**A MANHOLE w/ OIL/WATER SEPARATOR**

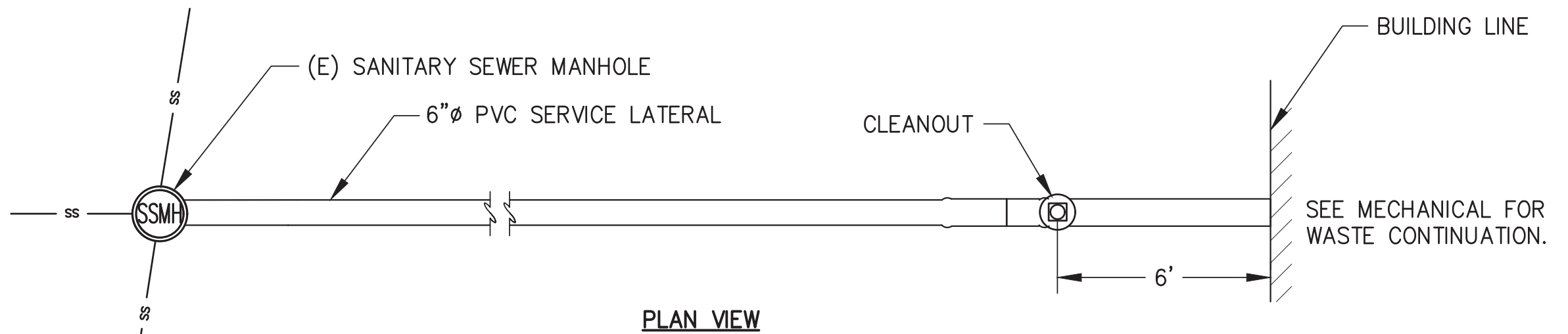


**C TRENCHING DETAIL**

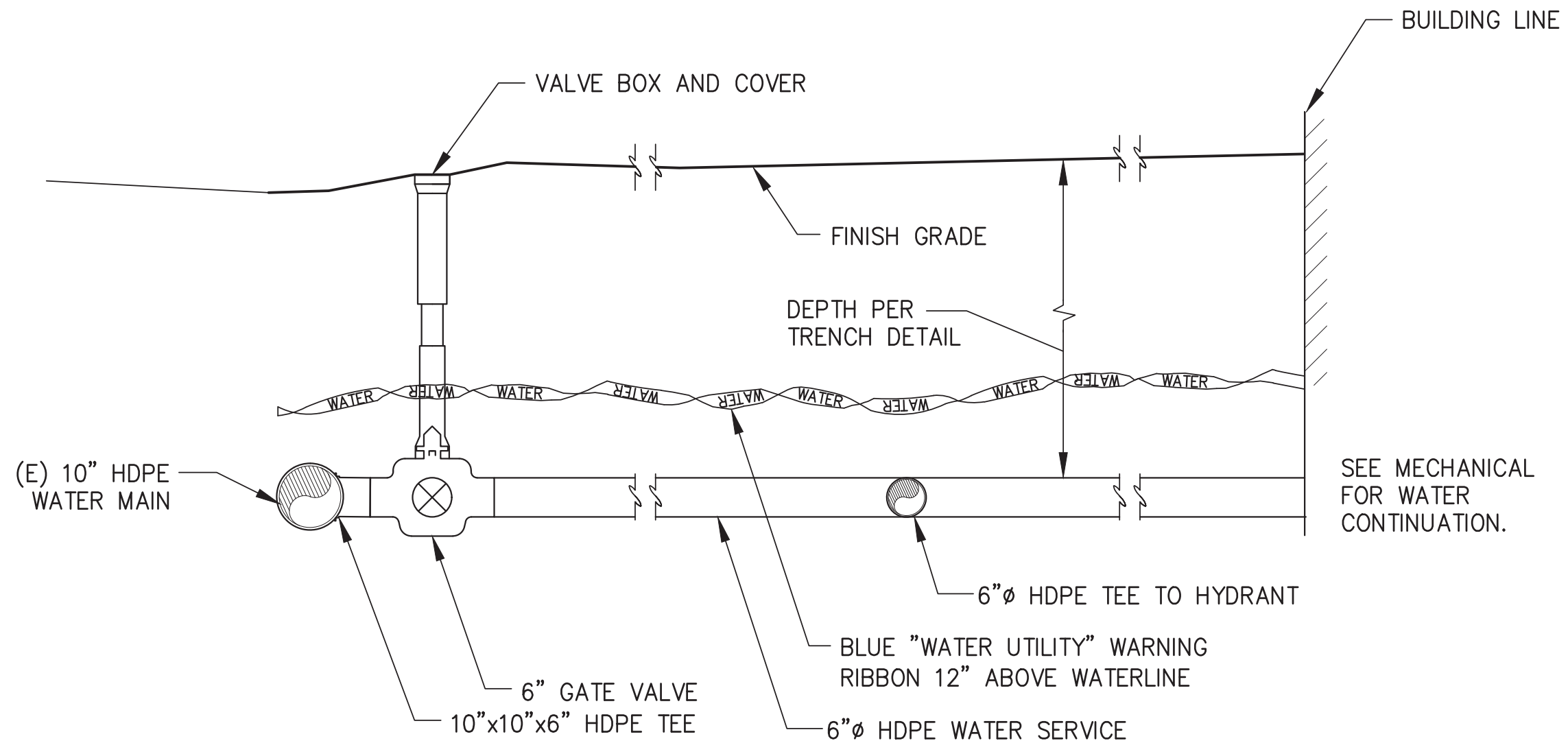
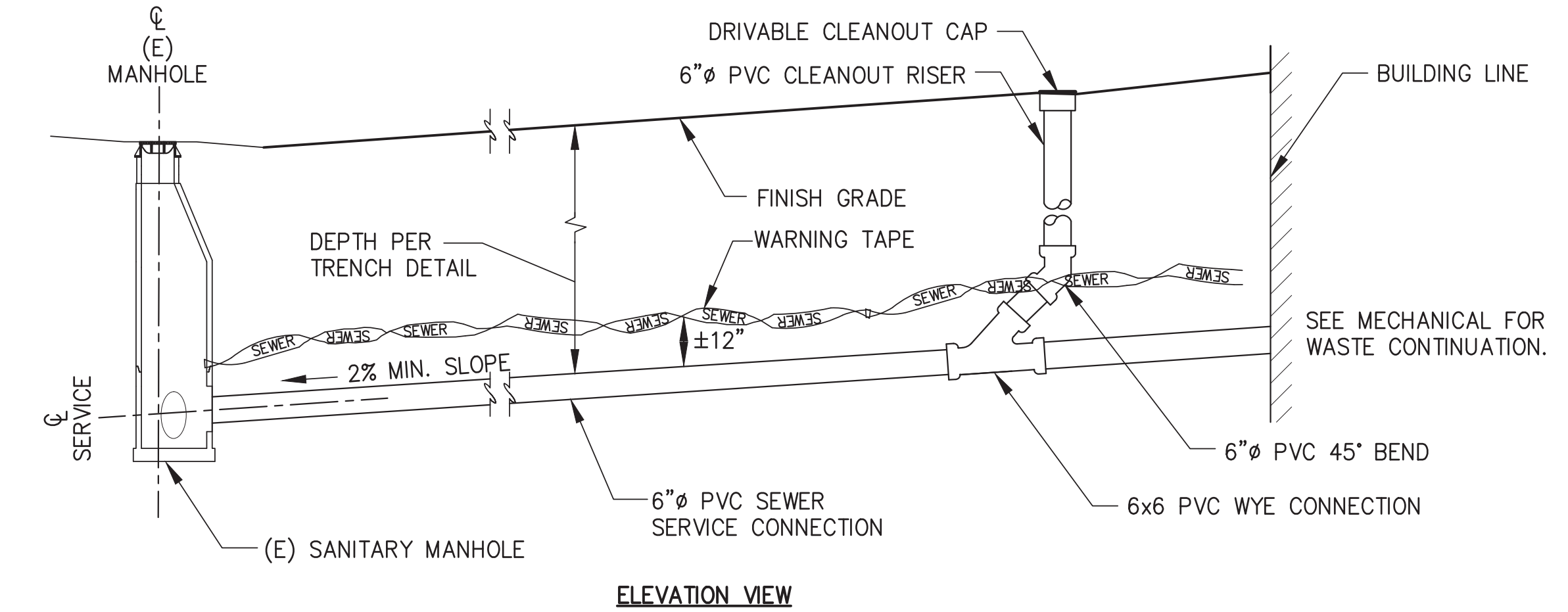


**H FIRE HYDRANT**  
(1) TOTAL

- NOTES:
1. HYDRANT BARREL AND VALVE BOX SHALL BE PLUMB.
  2. GROUND COVER SHALL BE 6" MINIMUM.
  3. WATER PIPE SHALL BE 6" MIN. HDPE AND ALL CONNECTIONS SHALL BE MEGALUGED OR CONNECTED WITH LOCKING FIELD GASKETS.
  4. BENDS BETWEEN THE HYDRANT AND THE MAIN SHALL NOT EXCEED 11 1/4" UNLESS APPROVED BY THE ENGINEER.
  5. ALL HYDRANTS SHALL BE PAINTED RED, AND THE NUMBER OF FEET TO VALVE SHALL BE PRINTED IN BLACK 1/2" LETTERS JUST BELOW TOP BONNET. PORT CAPS SHALL BE COLOR CODED PER NFPA STANDARD 291 AS DIRECTED BY THE HAINES BOROUGH WATER DEPARTMENT.
  6. THAW WIRE SHALL BE #2 COPPER WITH TYPE THHW INSULATION. THAW WIRE SHALL BE BOLTED OR CAD WELDED TO THE TEE AT THE MAIN. CONTINUITY STRAPS ARE REQ'D ON 6" DIP. CONTINUITY AND ARRANGEMENT FOR TESTING BY HAINES BOROUGH WATER UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
  7. HYDRANT SHALL BE MUELLER CENTURION 200 OR 250 WITH INTEGRAL STORZ PUMPER CONNECTION OR APPROVED EQUAL. CLOW F2500 SERIES HYDRANTS WILL NOT BE ACCEPTED.
  8. HAINES BOROUGH WATER UTILITIES DEPARTMENT SHALL DETERMINE FOR EACH HYDRANT INSTALLATION IF HYDRANT PLUGS SHALL BE REMOVED FOR SELF DRAINING. DO NOT BLOCK PLUG WITH THE THRUST BLOCK.



**G SEWER SERVICE CONNECTION**  
NOT TO SCALE



**H WATER SERVICE CONNECTION**  
NOT TO SCALE

CONSULTANT:  
**P | N | D**  
**ENGINEERS, INC.**  
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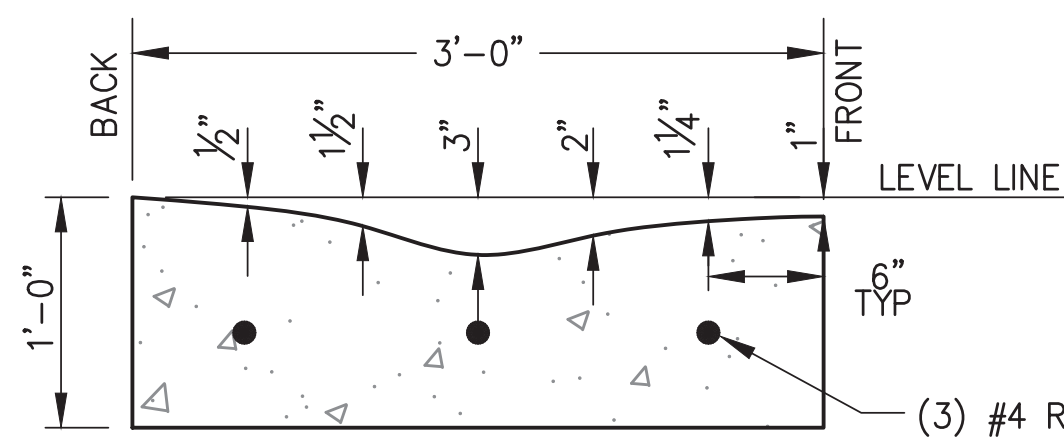
PROJECT NO: PND 202103  
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TYPICAL SECTIONS AND DETAILS

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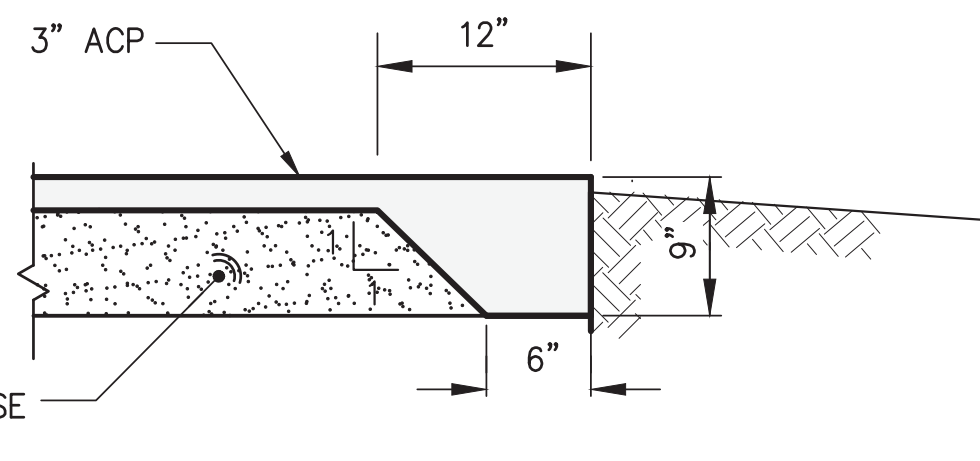
1" ACTUAL



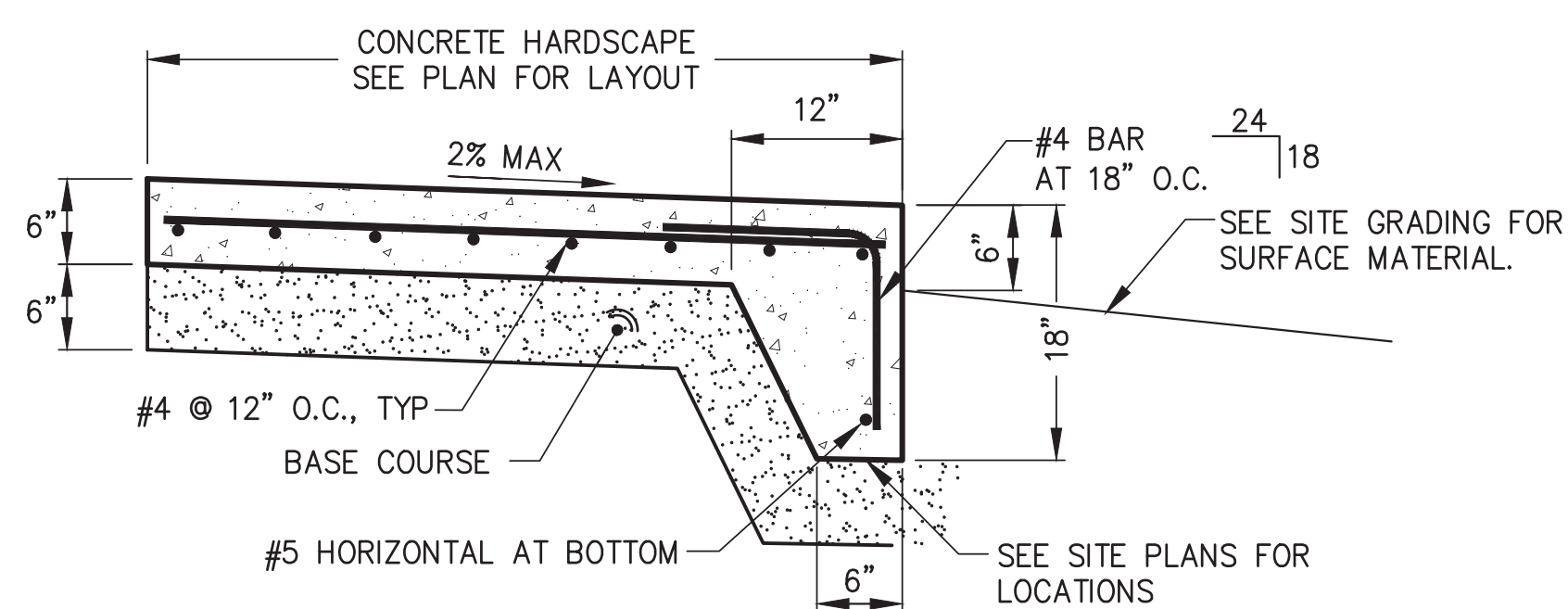
**A ROLLED CURB - TYPE III**  
NOTE: BED w/ MIN 6" BASE COURSE, D-1 GRADING.

**CONCRETE NOTES:**

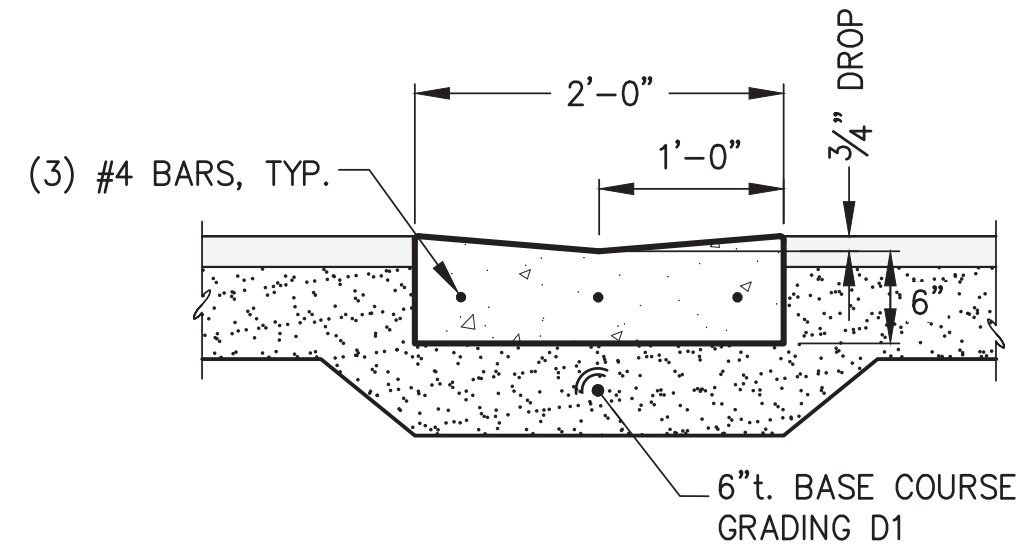
1. CURB AND GUTTER TRANSITION DESIGN TO BE APPROVED BY THE ENGINEER.
2. ALL STEEL MUST HAVE A MINIMUM OF 2" OF CONCRETE COVER.
3. ALL JOINTS SHALL BE EDGED.
4. EXPANSION JOINTS SHALL BE MAX 1/2", MIN 1/4", WITH NO GAPS FOR WATER INTRUSION. JOINTS SHALL BE A MAXIMUM OF 30' O.C.
5. STEEL TROWELING FINISH REQUIRED PRIOR TO BROOM FINISHING OF ALL SURFACES.
6. CONCRETE INTERNATIONAL CORPORATION ASHFORD FORMULA OR APPROVED EQUAL SHALL BE APPLIED AS A CURING COMPOUND. APPLICATION SHALL CONFORM TO THE MANUFACTURER'S INSTRUCTIONS.



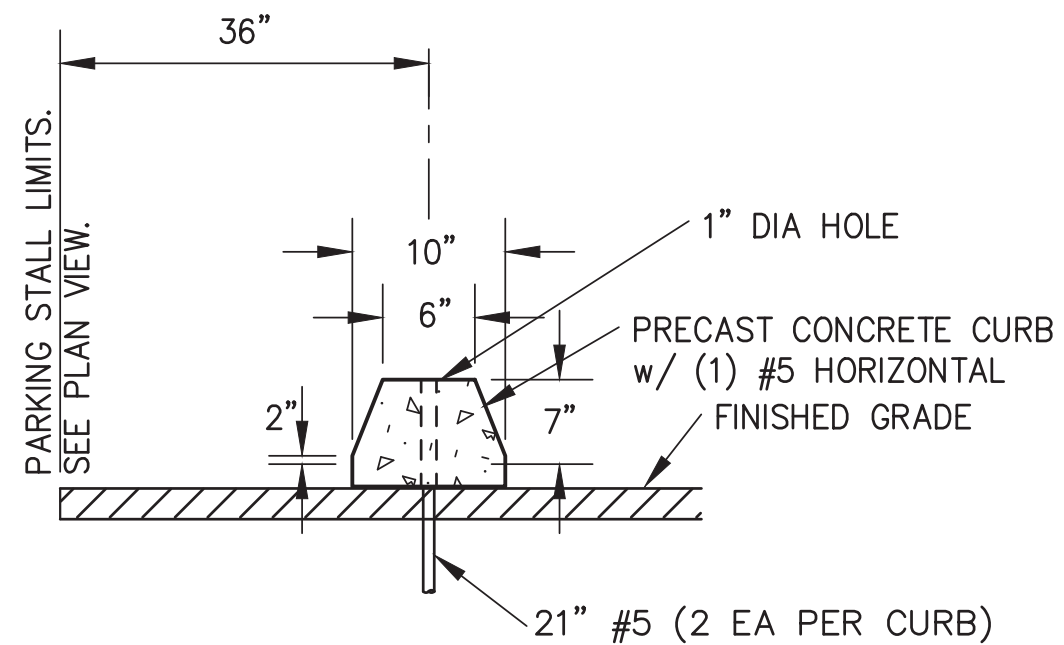
**B THICKENED ASPHALT PAVEMENT EDGE**



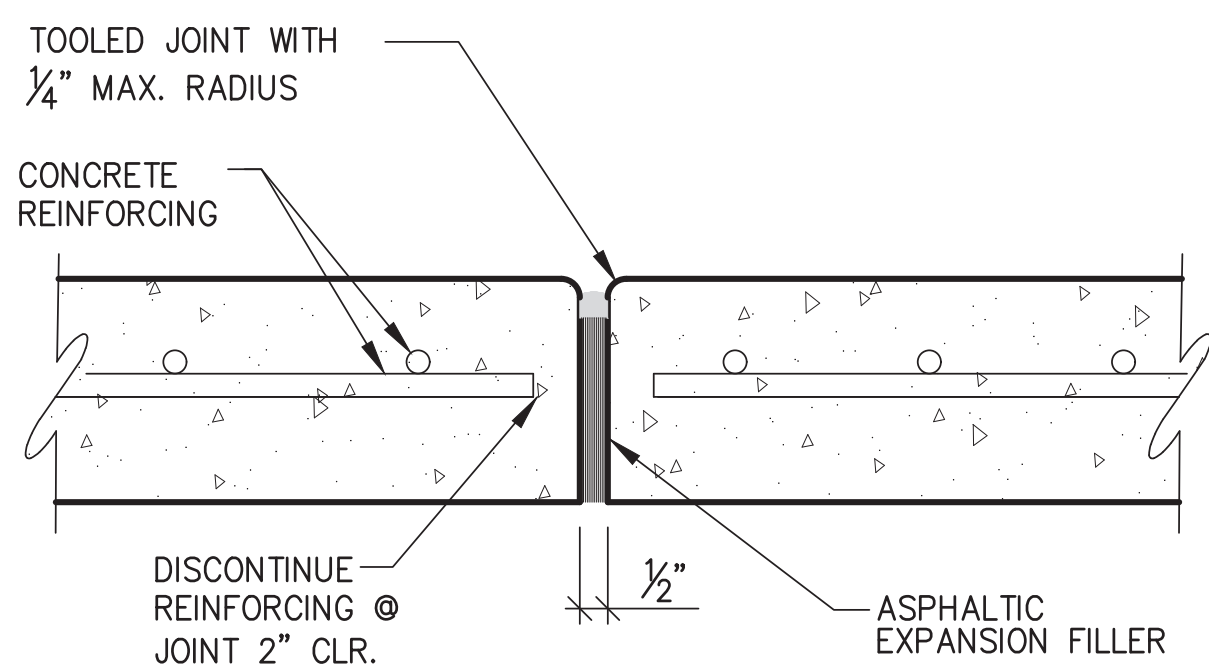
**C THICKENED HARDSCAPE EDGE**



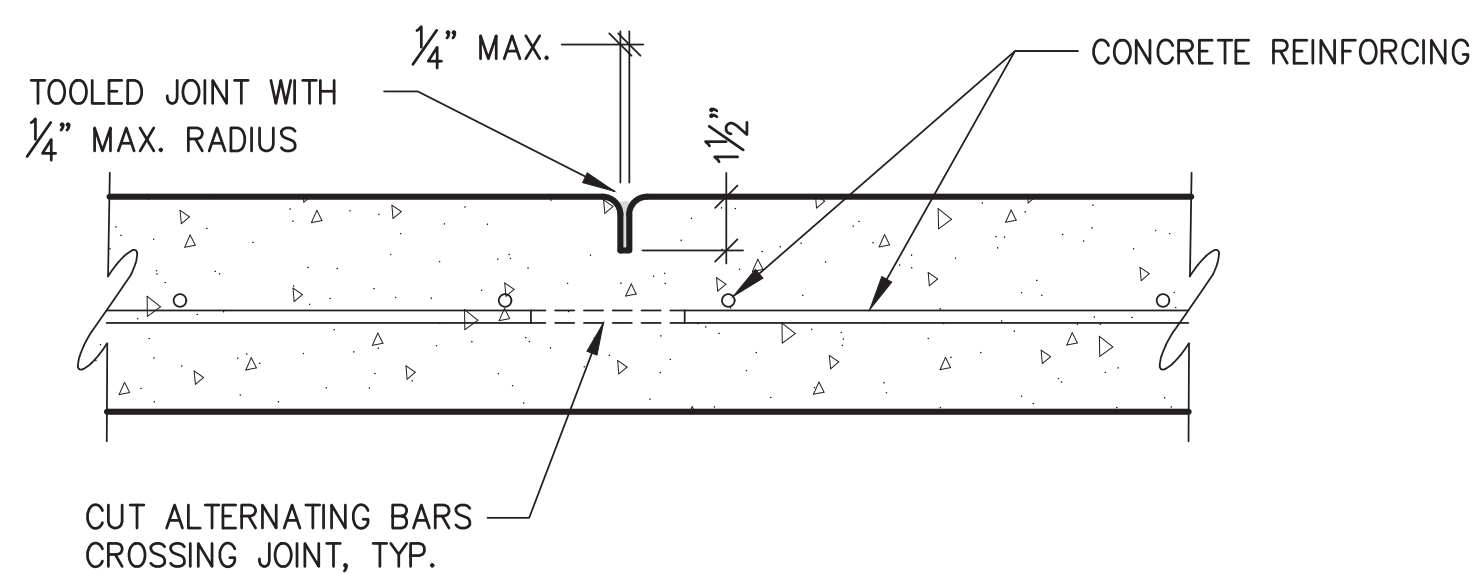
**D CONCRETE VALLEY GUTTER**



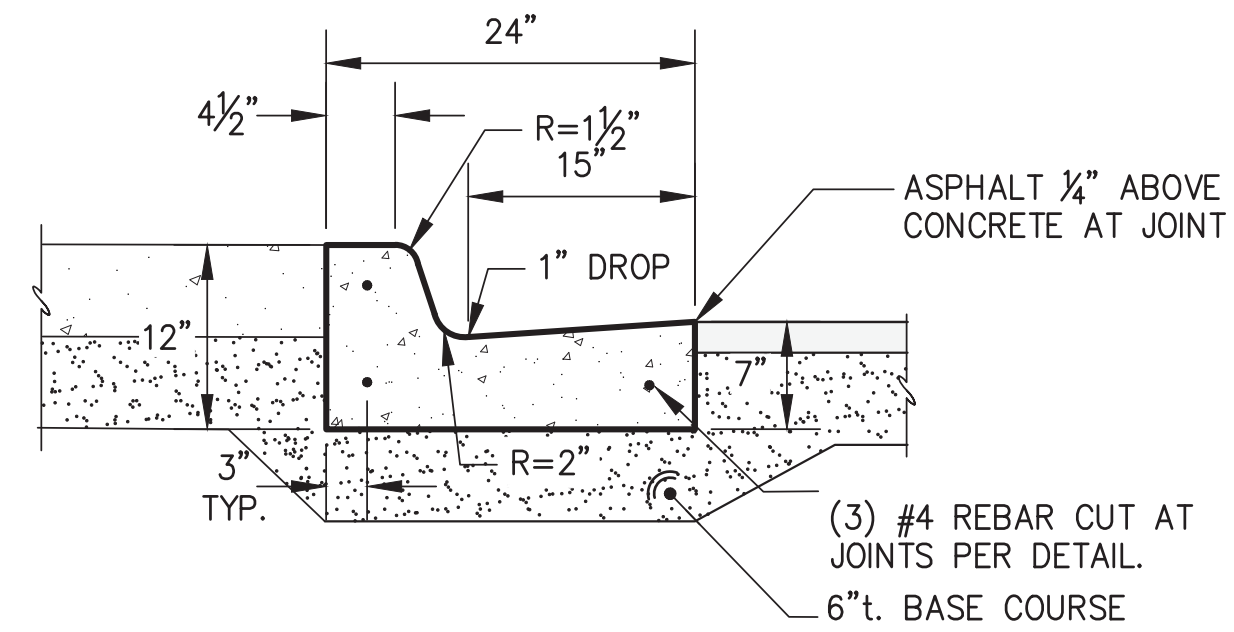
**E CONCRETE WHEEL STOP INSTALLATION**  
(WHERE SHOWN ON SITE PLAN)



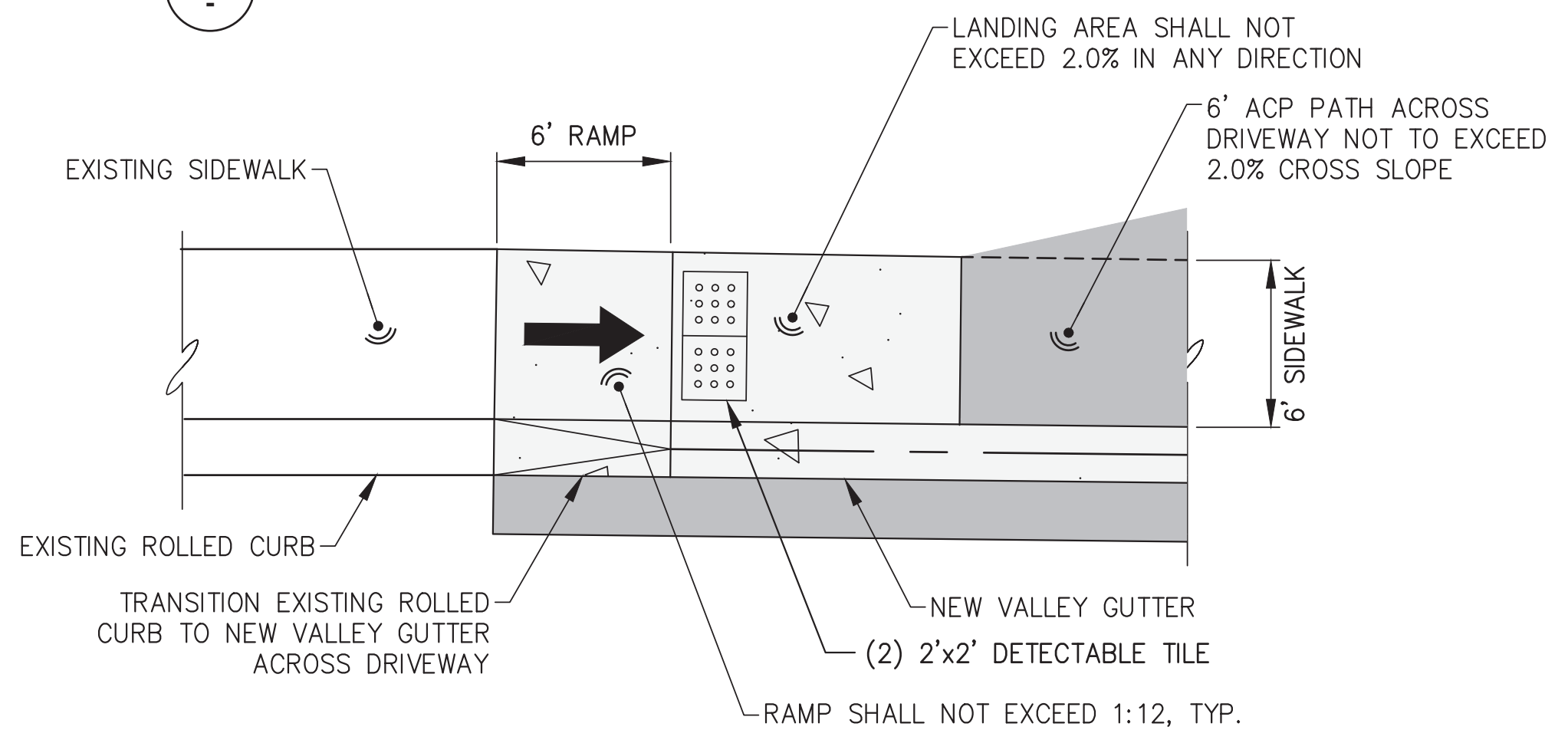
**F1 EXPANSION JOINT**  
NOTE: EXPANSION JOINTS IN CURB & GUTTER PLACED MAX. EVERY 30'-0" O.C.



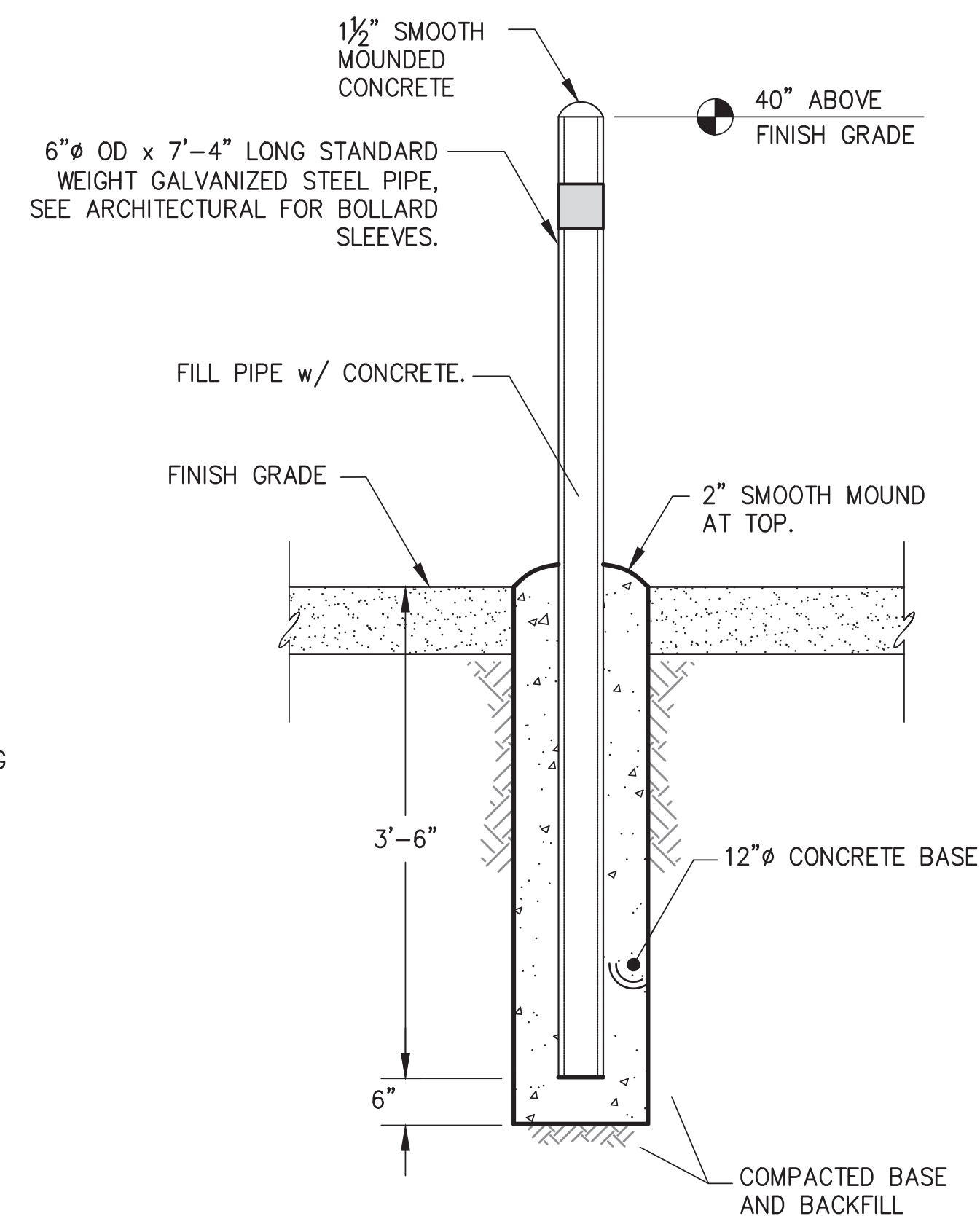
**F2 CONTROL JOINT**  
NOTE: CONTROL JOINTS IN CURB & GUTTER PLACED MAX. EVERY 10'-0" O.C. CONTROL JOINTS IN SIDEWALK EQUAL TO WIDTH.



**H CONCRETE VERTICAL CURB & GUTTER**



**I ACCESSIBLE RAMP DETAIL**



**G PIPE BOLLARD DETAIL**  
(34 REQUIRED)

CONSULTANT:

**P N D**  
ENGINEERS, INC.

9360 Glacier Highway Suite 100  
Juneau, Alaska 99801  
Phone: 907-586-2093  
Fax: 907-586-2099  
AK. LIC# AEC250

PROJECT NO:	PND 202103
DATE:	2022-08-25
DRAWN BY:	WRB
CHECKED BY:	SCS

REVISION	DESCRIPTION	DATE

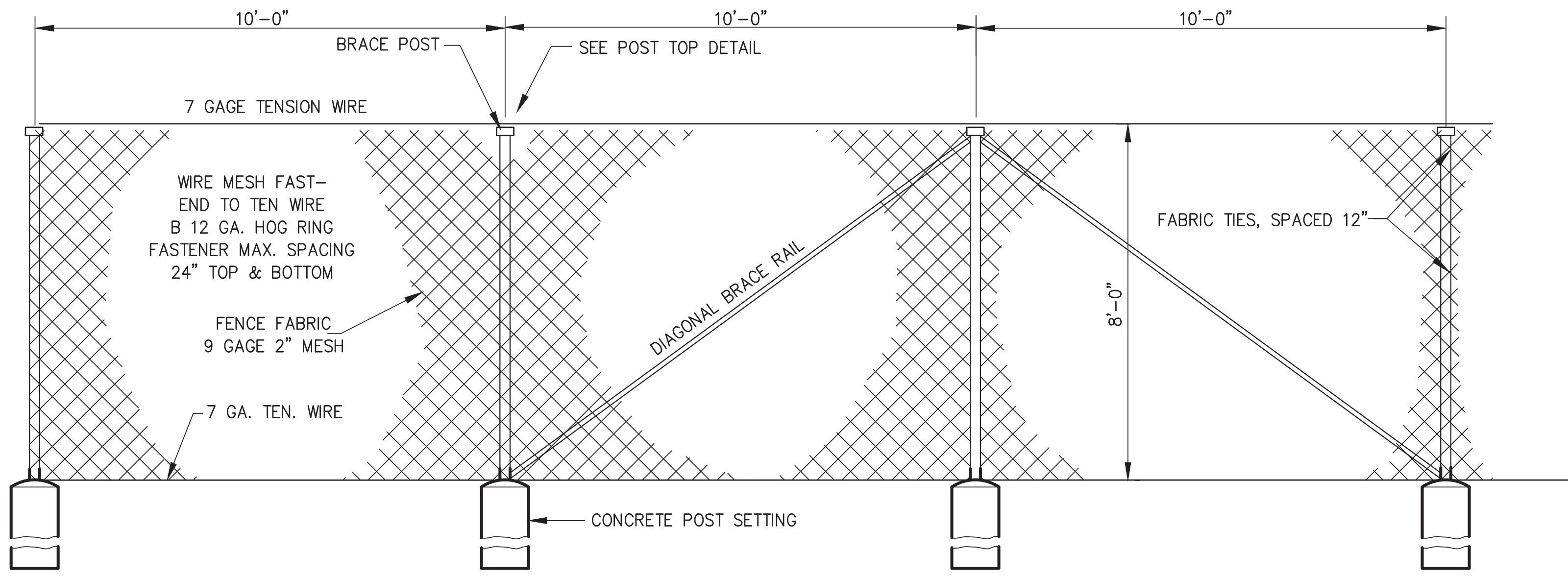
TYPICAL SECTIONS AND DETAILS

NOT FOR CONSTRUCTION

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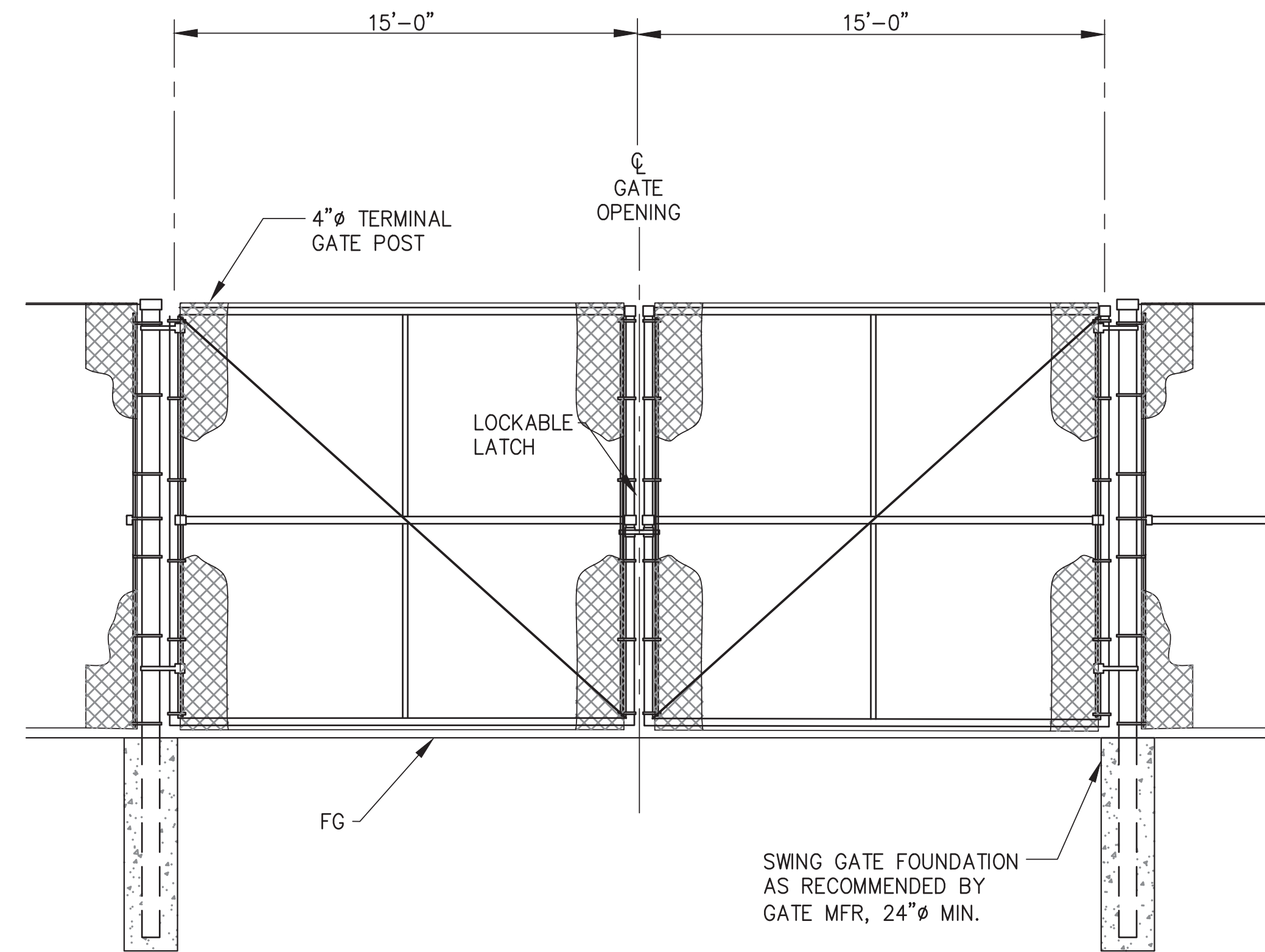
1" ACTUAL

NOTE: PULL POST SHALL BE SPACED AT 250' INTERVALS INCLUDING FROM EXISTING POSTS.

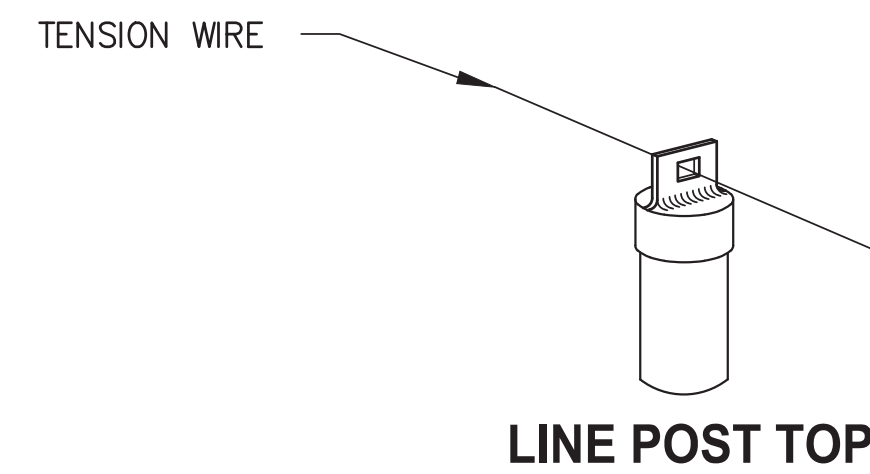


TYPICAL FENCE SECTION

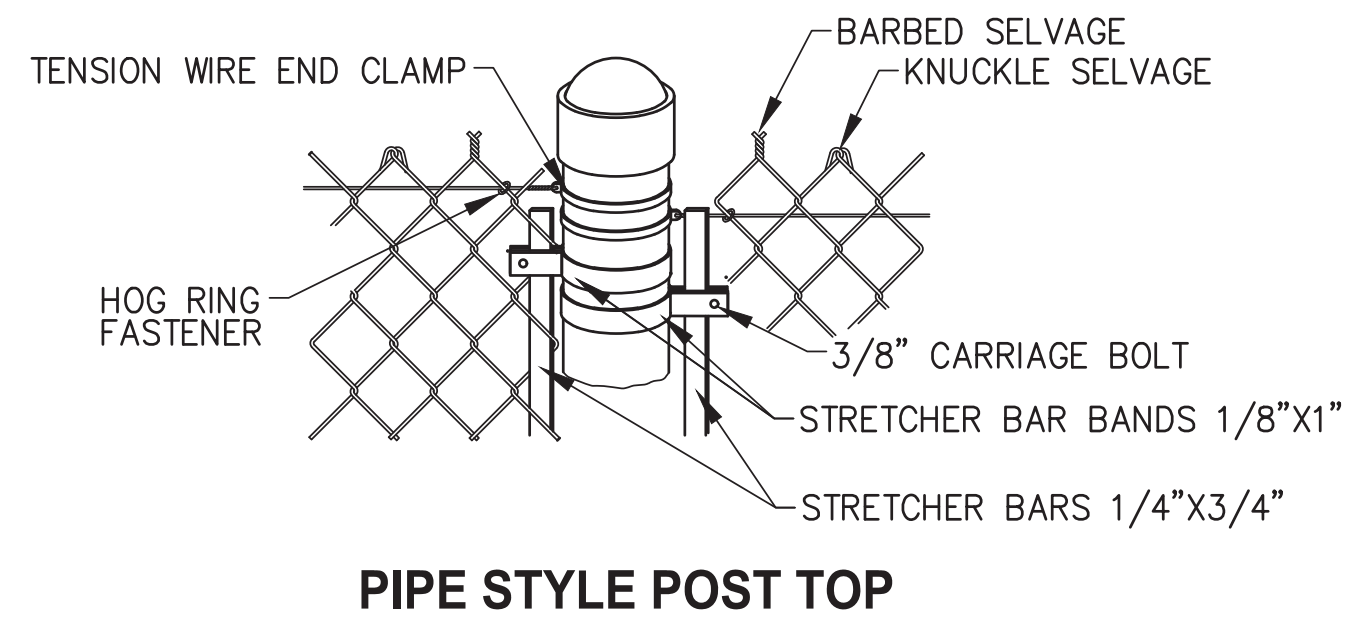
TYPICAL PULL POST



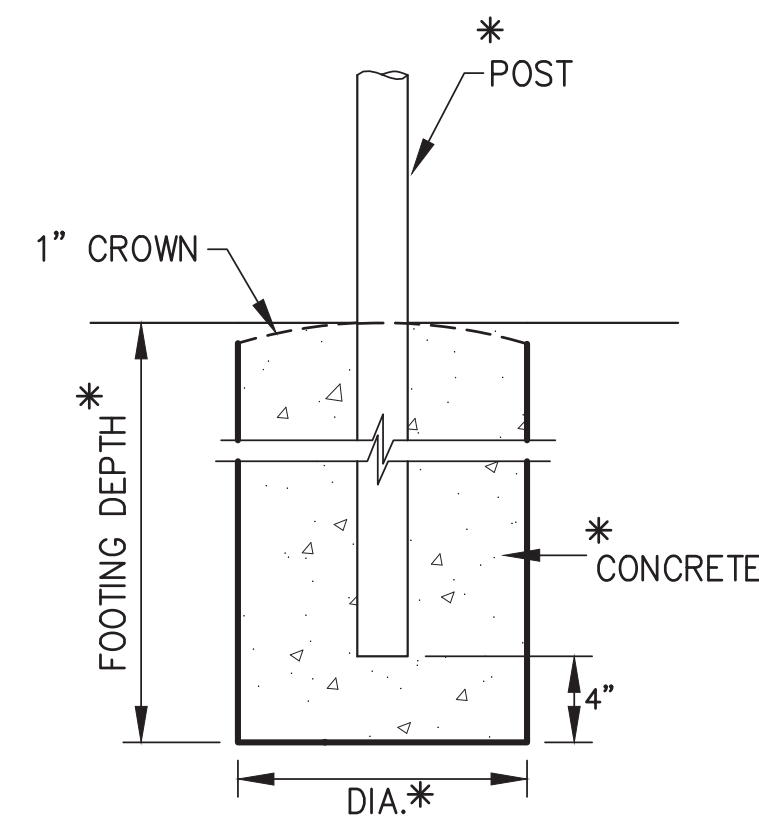
MANUAL SWING GATE



LINE POST TOP



PIPE STYLE POST TOP



CONCRETE POST SETTING

\* SEE TABLE

FABRIC HEIGHT	POST							
	END-CORNER-PULL				LINE-BRACE			
	PIPE		FOOTING		PIPE		FOOTING	
	SIZE	WT./FT.	DEPTH	DIA.	SIZE	WT./FT.	DEPTH	DIA.
8'	2 1/2"	5.79 #	48" *	15"	2"	3.65 #	40" *	12"

**NOTES:**

1. POSTS SHALL BE SPACED EQUAL DISTANCES APART. MAXIMUM SPACING SHALL BE 10 FEET UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
2. POST TOPS SHALL BE SECURELY FASTENED TO POST.
3. BRACE RAILS AND TRUSS RODS SHALL BE SECURELY FASTENED TO POST WITH BRACE BANDS WITH THREADED TAKE-UP ADAPTER FOR TRUSS RODS.
4. FABRIC SHALL BE STRETCHED TO A SMOOTH UNIFORM APPEARANCE.
5. DETAILS SHOWN INDICATE GENERAL DESIGN AND DIMENSIONS MAY VARY AMONG MANUFACTURERS.
6. BED CONCRETE FOOTINGS ON 6"± MIN. BASE COURSE GRADE D-1, ALL AROUND.

CONSULTANT:

**P | N | D**

**ENGINEERS, INC.**

9360 Glacier Highway Suite 100  
 Juneau, Alaska 99801  
 Phone: 907-586-2093  
 Fax: 907-586-2099  
 AK. LIC# AEC250

PROJECT NO: PND 202103  
 DATE: 2022-08-25  
 DRAWN BY:  
 CHECKED BY:

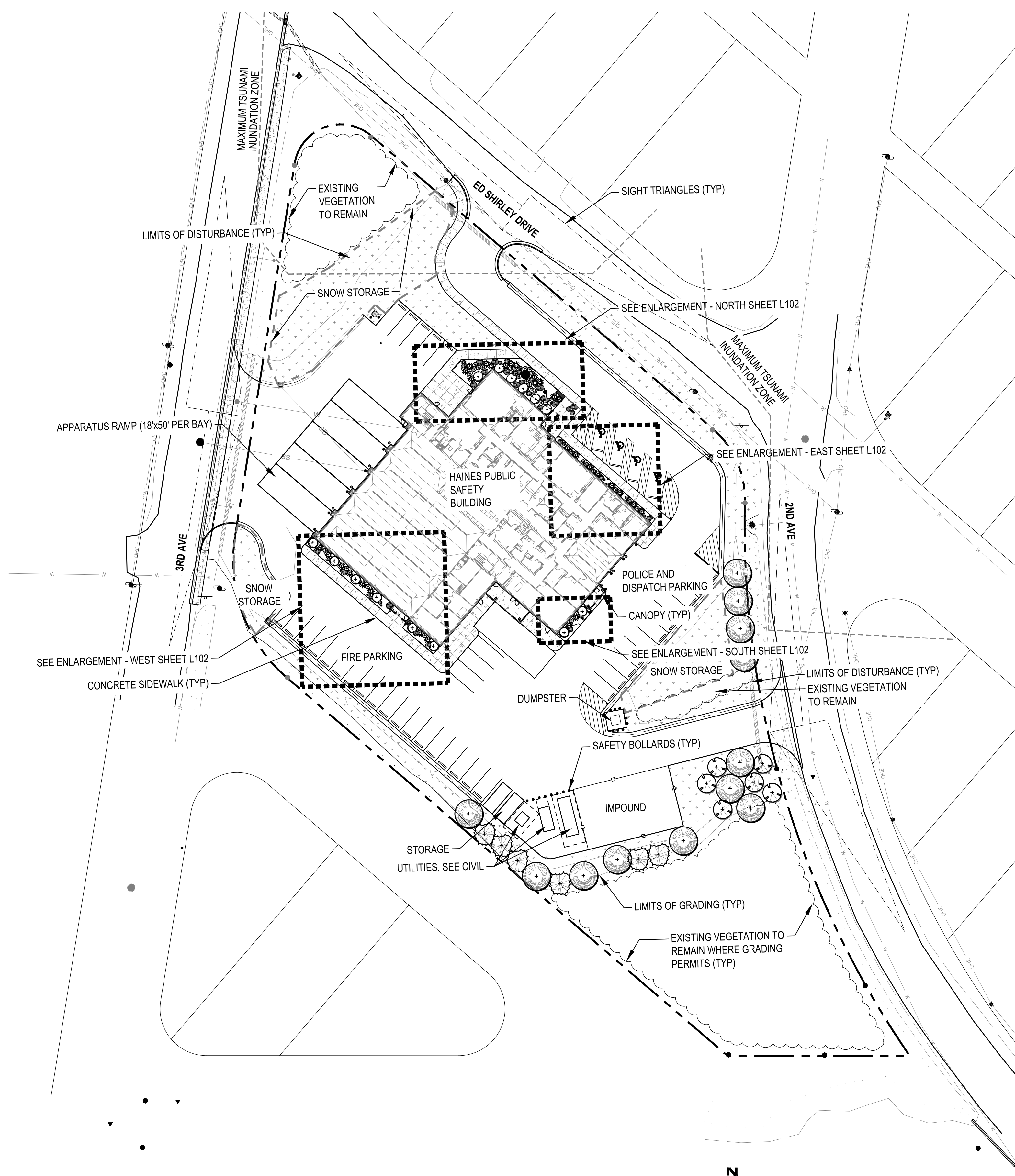
REVISION	DESCRIPTION	DATE

NOT FOR CONSTRUCTION

FENCE DETAILS

**C203**

BETTISWORTH NORTH ARCHITECTS & PLANNERS



**PLANT SCHEDULE**

EVERGREEN TREES							
QTY.	SYMBOL	ABBR.	LATIN NAME	COMMON NAME	SIZE	FURNISHING	NOTES
6		PG	PICEA SITCHENSIS	SITKA SPRUCE	6' HT.	B&B	
12		TH	TSUGA HETEROPHYLLA	WESTERN HEMLOCK	6' HT.	B&B	

DECIDUOUS TREES							
QTY.	SYMBOL	ABBR.	LATIN NAME	COMMON NAME	SIZE	FURNISHING	NOTES
6		BP	BETULA PAPYRIFERA	PAPER BIRCH	2" CAL.	B&B	SINGLE STEM
8		BPJ	BETULA PLATYPHYLLA 'JEFPARK'	PARKLAND PILLAR BIRCH	12' HT.	B&B	SINGLE-STEM

SHRUBS							
QTY.	SYMBOL	ABBR.	LATIN NAME	COMMON NAME	SIZE	FURNISHING	NOTES
31		PA	PICEA ABIES 'NIDIFORMIS'	BIRD'S NEST SPRUCE	#3 CONT.	POTTED	
6		RC	RHODODENDRON CATAWBIENSE	CATAWBA RHODODENDRON	#5 CONT.	POTTED	
28		RH	RHODODENDRON 'NORTHERN LIGHTS'	NORTHERN LIGHTS AZALEA	#2 CONT.	POTTED	

PERENNIALS & GRASSES							
QTY.	SYMBOL	ABBR.	LATIN NAME	COMMON NAME	SIZE	FURNISHING	NOTES
314		AU	ARCTOSTAPHYLOS UVA-URSI	BEARBERRY	#1 CONT.	POTTED	12" O.C. SPACING
350		GO	GALIUM ODORATUM	SWEET WOODRUFF	#1 CONT.	POTTED	12" O.C. SPACING

MISCELLANEOUS				MISCELLANEOUS			
QTY.	SYMBOL	DESCRIPTION	NOTES	QTY.	SYMBOL	DESCRIPTION	NOTES
1		BENCH		59		1'Ø BOULDER	
3		BIKE RACK				2'Ø BOULDER	
27		SAFETY BOLLARD				3'Ø BOULDER	
14		DECORATIVE BOLLARD				4'Ø BOULDER	
		REVEGETATION SEED MIX					

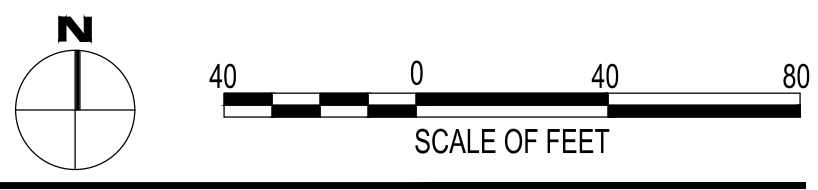
**GENERAL LANDSCAPE NOTES:**

1. IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES IN THE PLANS OR ON THE SITE. MODIFICATIONS IN THE FIELD SHALL NOT BE MADE UNTIL APPROVAL HAS BEEN GRANTED BY THE ENGINEER.
2. SEE CIVIL FOR EXISTING AND PROPOSED UTILITIES.
3. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDERS AND VERIFY LOCATION OF UTILITIES PRIOR TO CONSTRUCTION.
4. ALL PLANTS SHALL BE NURSERY GROWN UNLESS OTHERWISE SPECIFIED.
5. ALL PLANTING BEDS SHALL RECEIVE 18" DEPTH TOPSOIL AND 3" DEPTH SHREDDED BARK MULCH, UNLESS OTHERWISE NOTED ON PLANS.
6. ALL TREE PLANTINGS IN SEEDED AREAS TO RECEIVE MIN. 18" DEPTH TOPSOIL AND MIN. 3" DEPTH MULCH. PLACE MULCH IN A 5'Ø RING AROUND TREE TRUNKS UNLESS OTHERWISE NOTED. PROVIDE SHOVEL-CUT EDGE PER DETAIL 4/L501.
7. ALL DISTURBED AREAS NOT WITHIN PLANTING BEDS SHALL RECEIVE 4" MINIMUM TOPSOIL AND SEED PER SCHEDULE AS NOTED ON PLANS.
8. DO NOT APPLY HYDROSEEDING PRODUCT OR SEED MIX IN THE MULCHED AREA AROUND STEM OR TRUNK OF NEW PLANTINGS.
9. REFER TO SHEET L501 FOR LANDSCAPE PLANTING DETAILS.
10. BOULDERS SHALL BE PLACED IN RANDOM MIX WITH SIZE RANGE AS NOTED ON PLANS UNLESS OTHERWISE SPECIFIED.
11. ALL DECIDUOUS TREES SHALL RECEIVE MOOSE PROTECTION FENCING PER DETAIL 5/L501.
12. EXISTING VEGETATION TO BE SAVED AND PROTECTED SHALL RECEIVE PROTECTION FENCING PER DETAIL 5/L501.

**LANDSCAPE ABBREVIATIONS:**

ABBR.	ABBREVIATION	HT.	HEIGHT
B&B	BALL & BURLAP	MAX.	MAXIMUM
CAL.	CALIPER	MIN.	MINIMUM
CL	CENTERLINE	N.I.C.	NOT IN CONTRACT
CONT.	CONTAINER	O.C.	ON CENTER
DIA.	DIAMETER	QTY.	QUANTITY
Ø	DIAMETER	TYP.	TYPICAL

**1 OVERALL SITE PLAN**  
L101 1"=40'



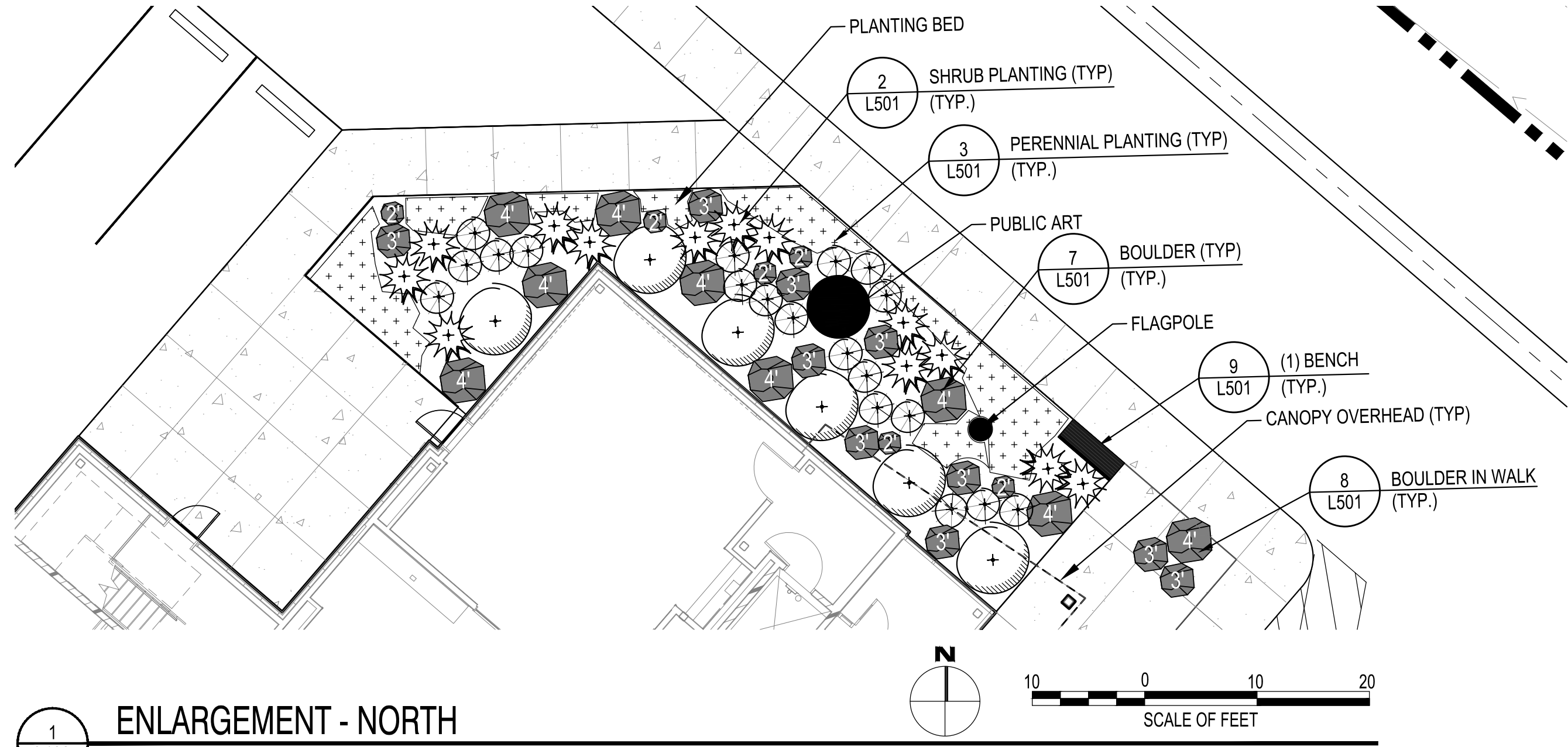
CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: SC,MB  
CHECKED BY: MK

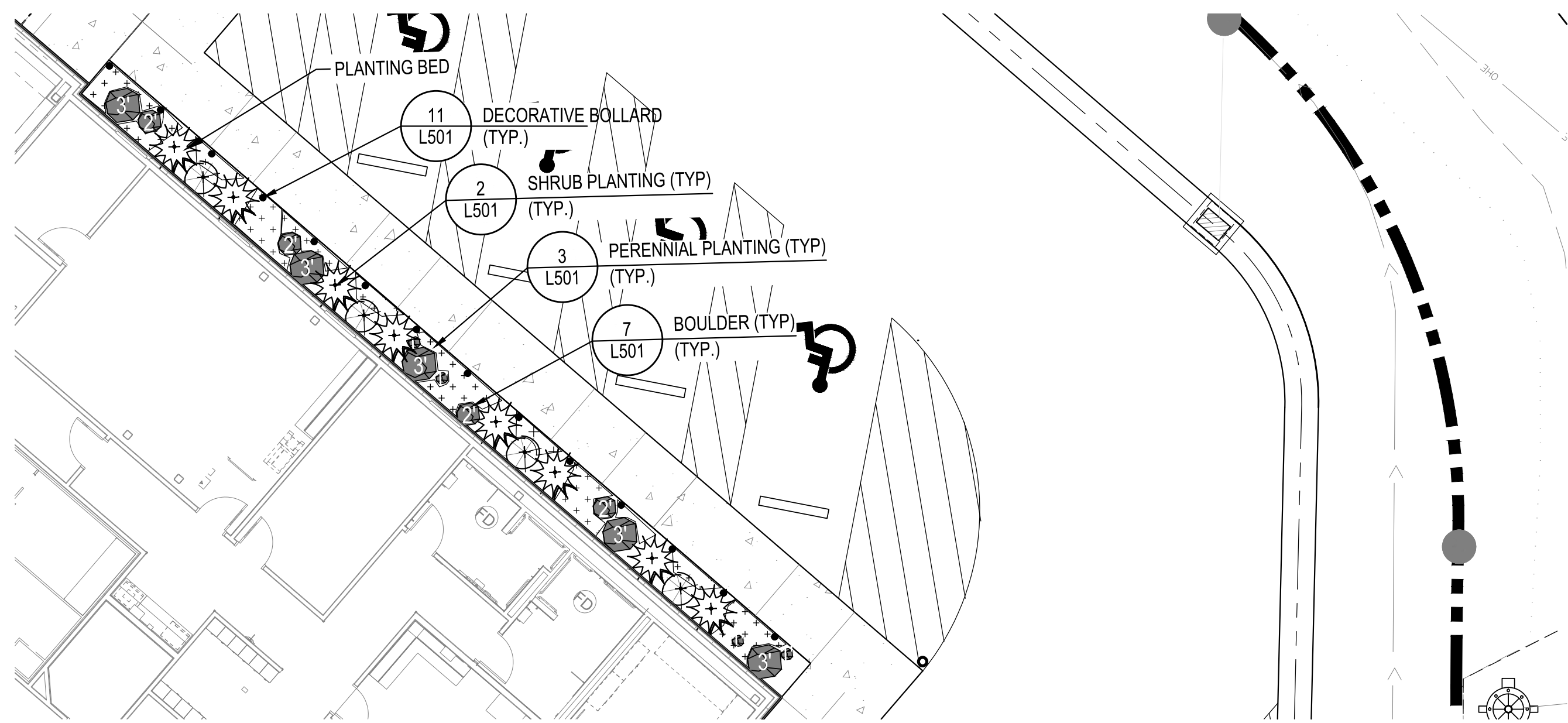
REVISION	DESCRIPTION	DATE

LAYOUT PLAN  
**L101**

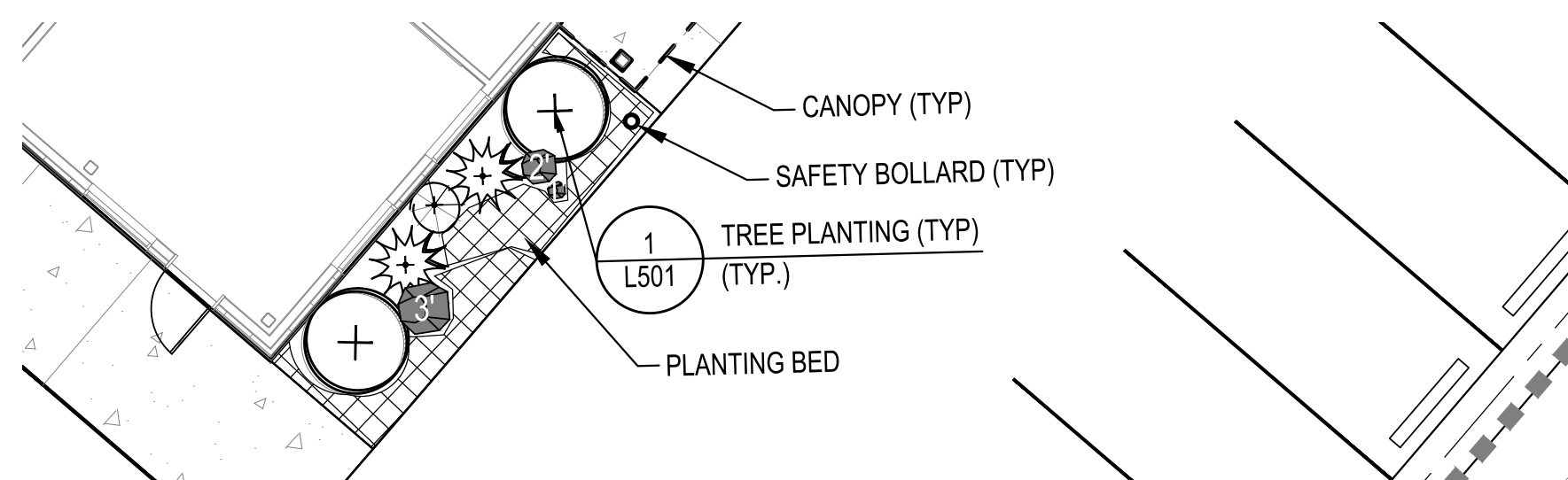
NOT FOR CONSTRUCTION



1  
L102  
1"=10'



2  
L102  
1"=10'



3  
L102  
1"=10'

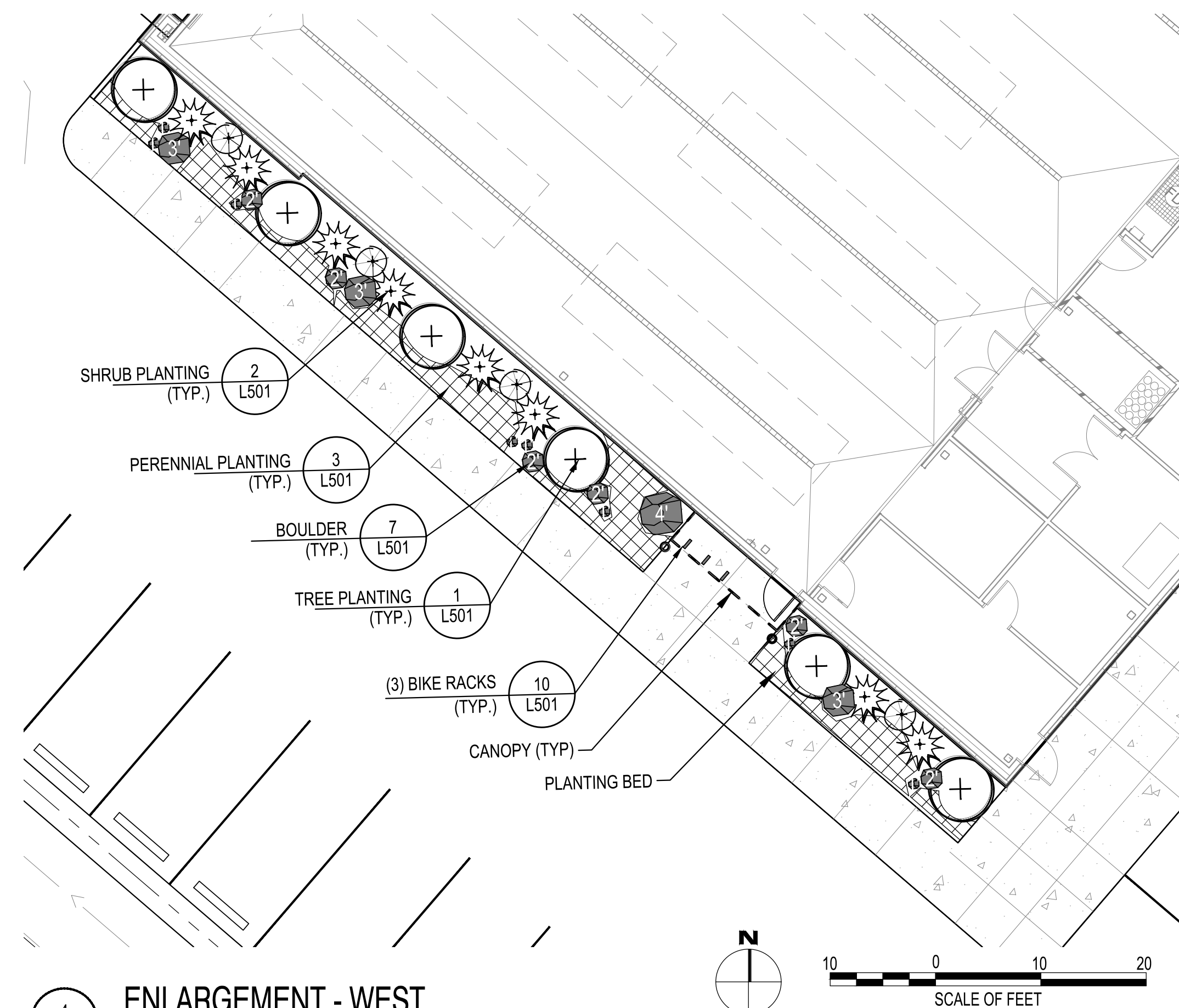
**PLANT LEGEND**

EVERGREEN TREES				
QTY.	SYMBOL	ABBR.	LATIN NAME	COMMON NAME
		PG	PICEA GLAUCA	WHITE SPRUCE
		TH	TSUGA HETEROPHYLLA	WESTERN HEMLOCK

DECIDUOUS TREES				
QTY.	SYMBOL	ABBR.	LATIN NAME	COMMON NAME
		BP	BETULA PAPYRIFERA	PAPER BIRCH
		BPJ	BETULA PLATYPHYLLA 'JEFPARK'	PARKLAND PILLAR BIRCH

SHRUBS				
QTY.	SYMBOL	ABBR.	LATIN NAME	COMMON NAME
		PA	PICEA ABIES 'NIDIFORMIS'	BIRD'S NEST SPRUCE
		RC	RHODODENDRON CATAWBIENSE	CATAWBA RHODODENDRON
		RH	RHODODENDRON 'NORTHERN LIGHTS'	NORTHERN LIGHTS AZALEA

PERENNIALS & GRASSES				
QTY.	SYMBOL	ABBR.	LATIN NAME	COMMON NAME
		AU	ARCTOSTAPHYLOS UVA-URSI	BEARBERRY
		GO	GALIUM ODORATUM	SWEET WOODRUFF



4  
L102  
1"=10'

CONSULTANT:

PROJECT NO:	20-130	
DATE:	2022-08-25	
DRAWN BY:	SC,MB	
CHECKED BY:	MK	
REVISION	DESCRIPTION	DATE

LAYOUT PLAN  
**L102**

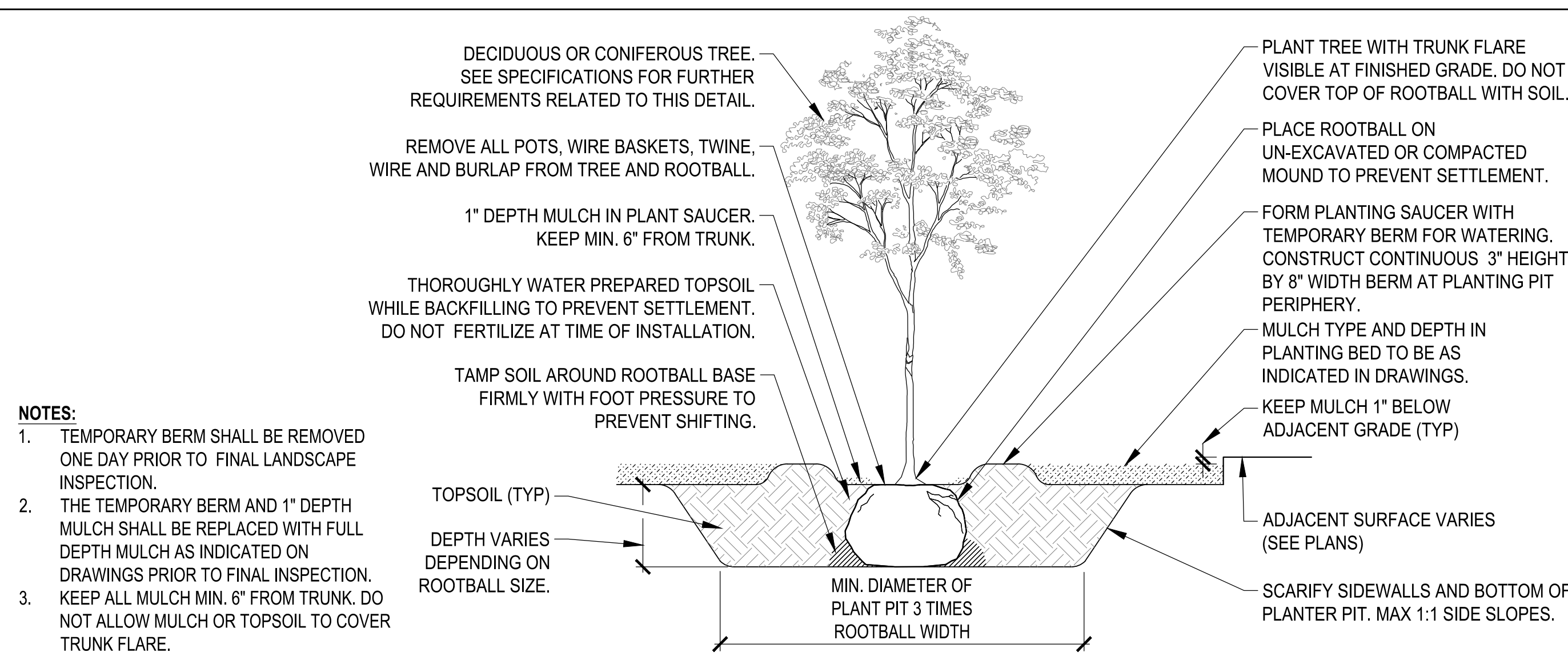
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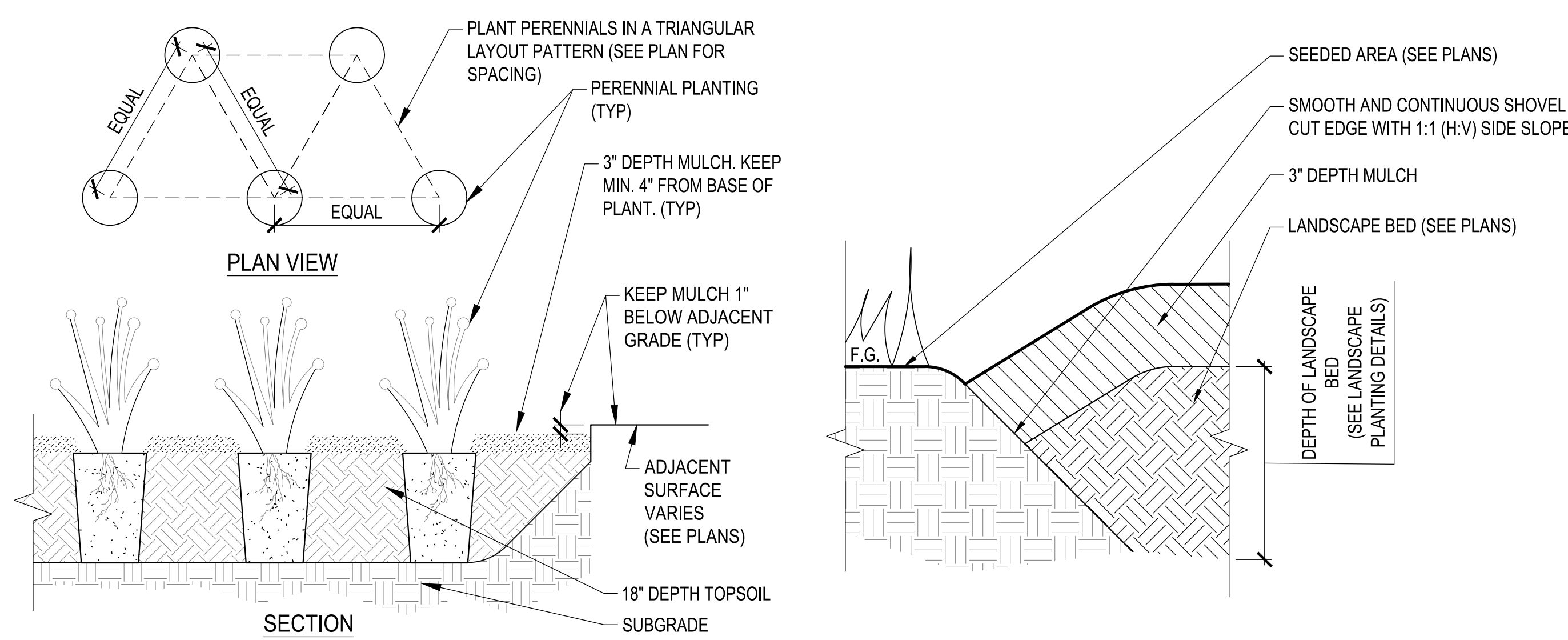
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P:120-130 Haines Public Safety Facility 2-CADD Drawings LA20-130 Haines PSB - DETAILS.dwg

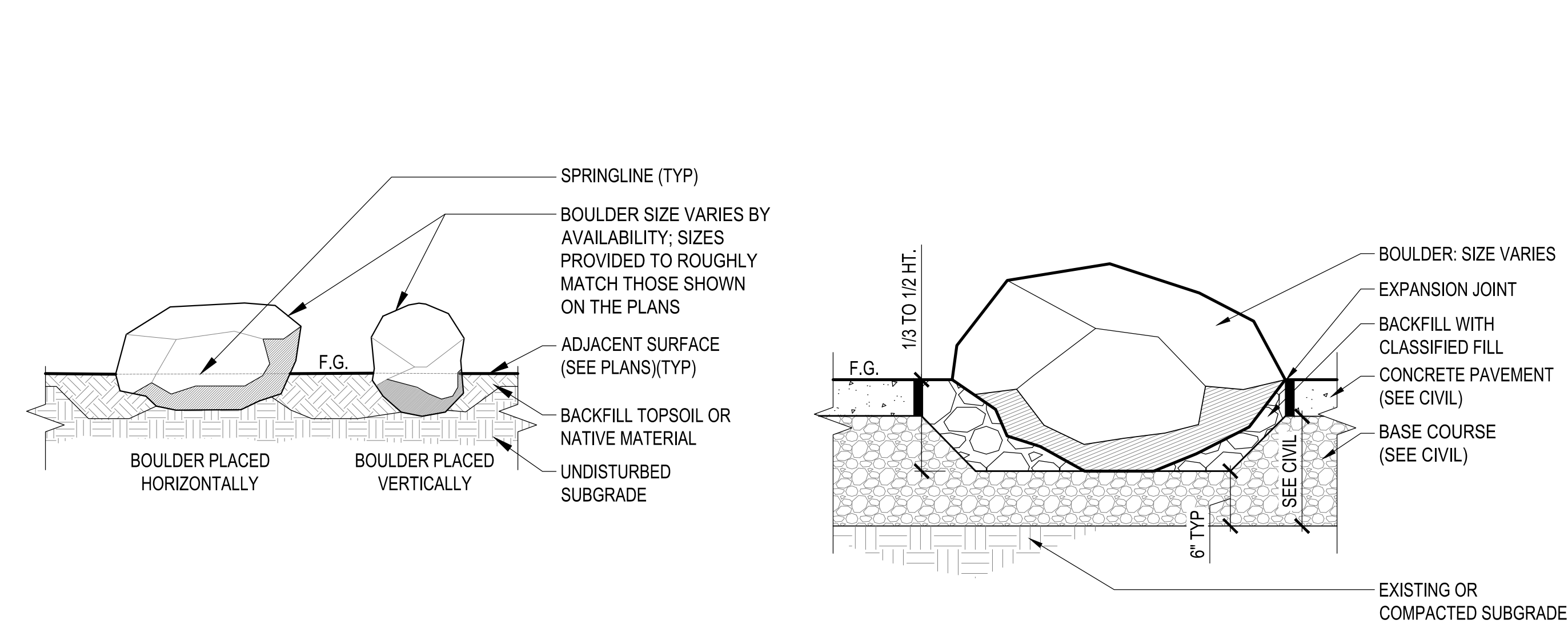
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1 TREE PLANTING L501 NTS

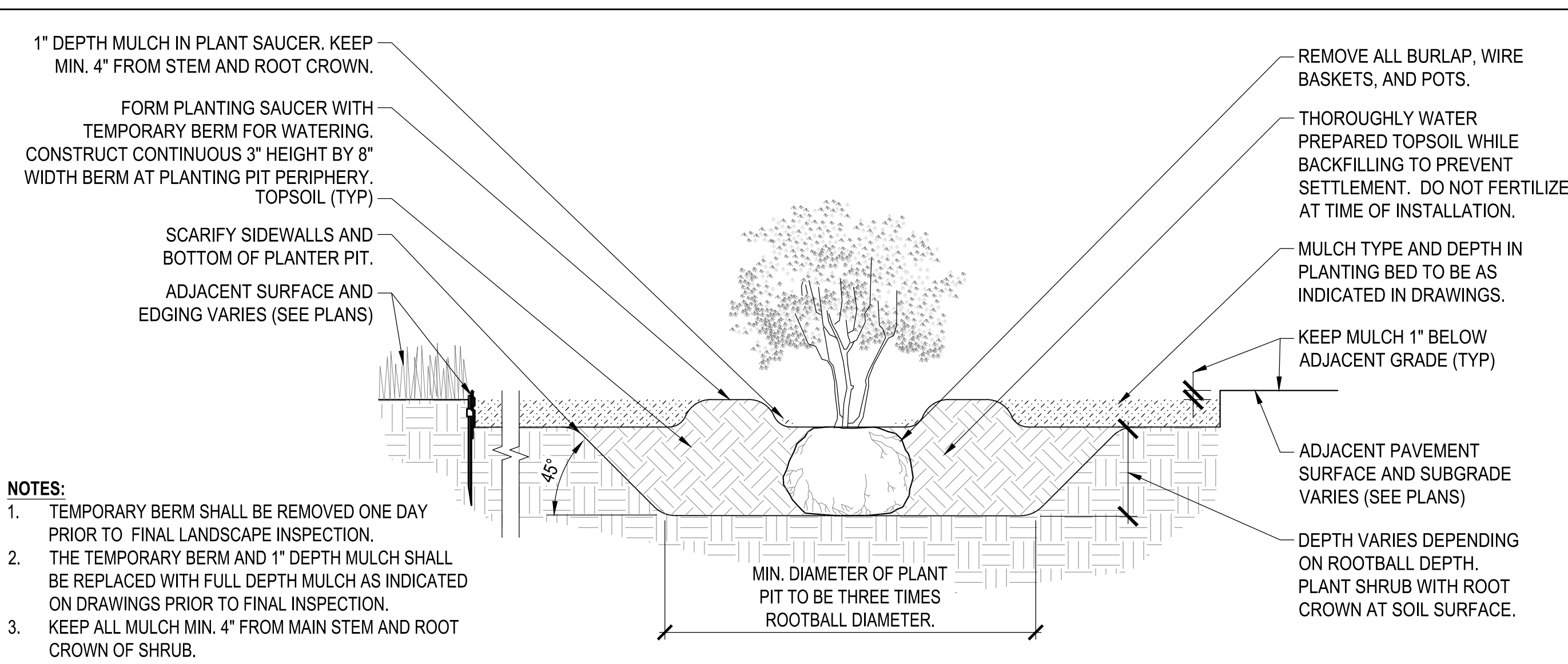


3 PERENNIAL PLANTING L501 NTS

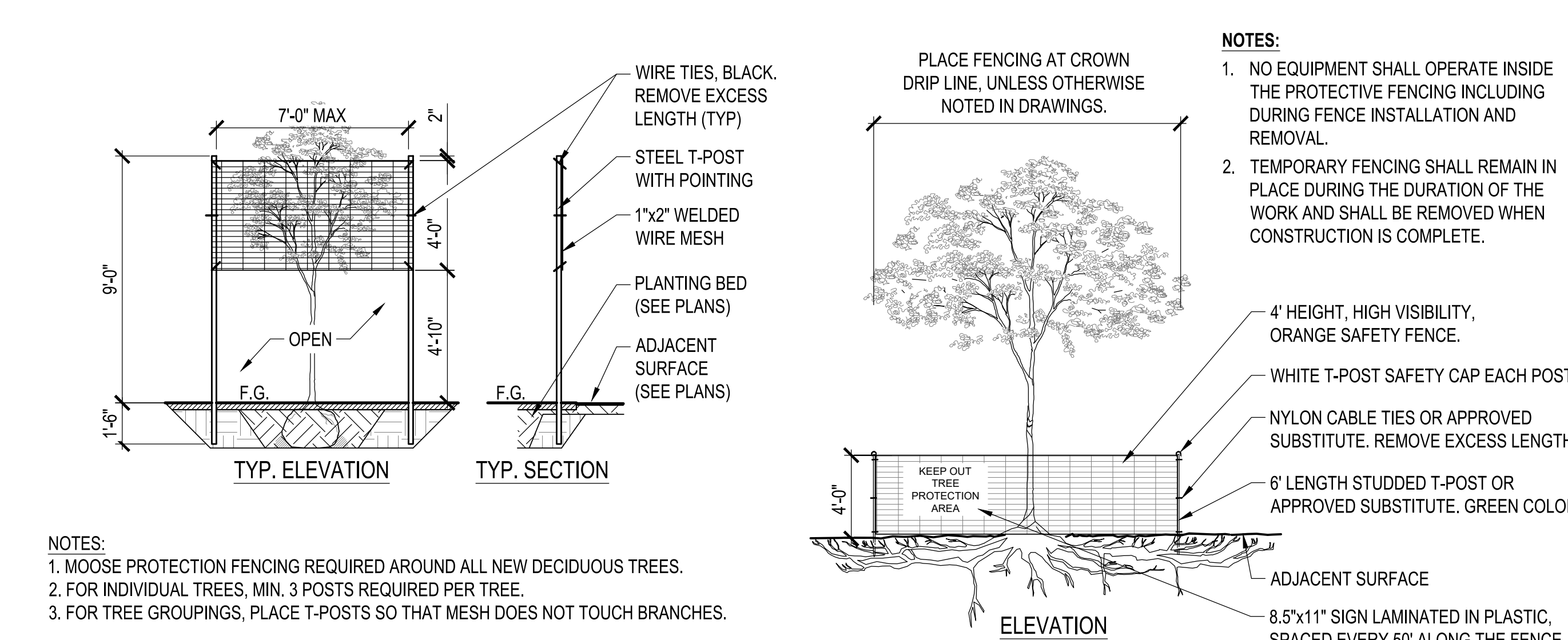


7 BOULDER L501 NTS

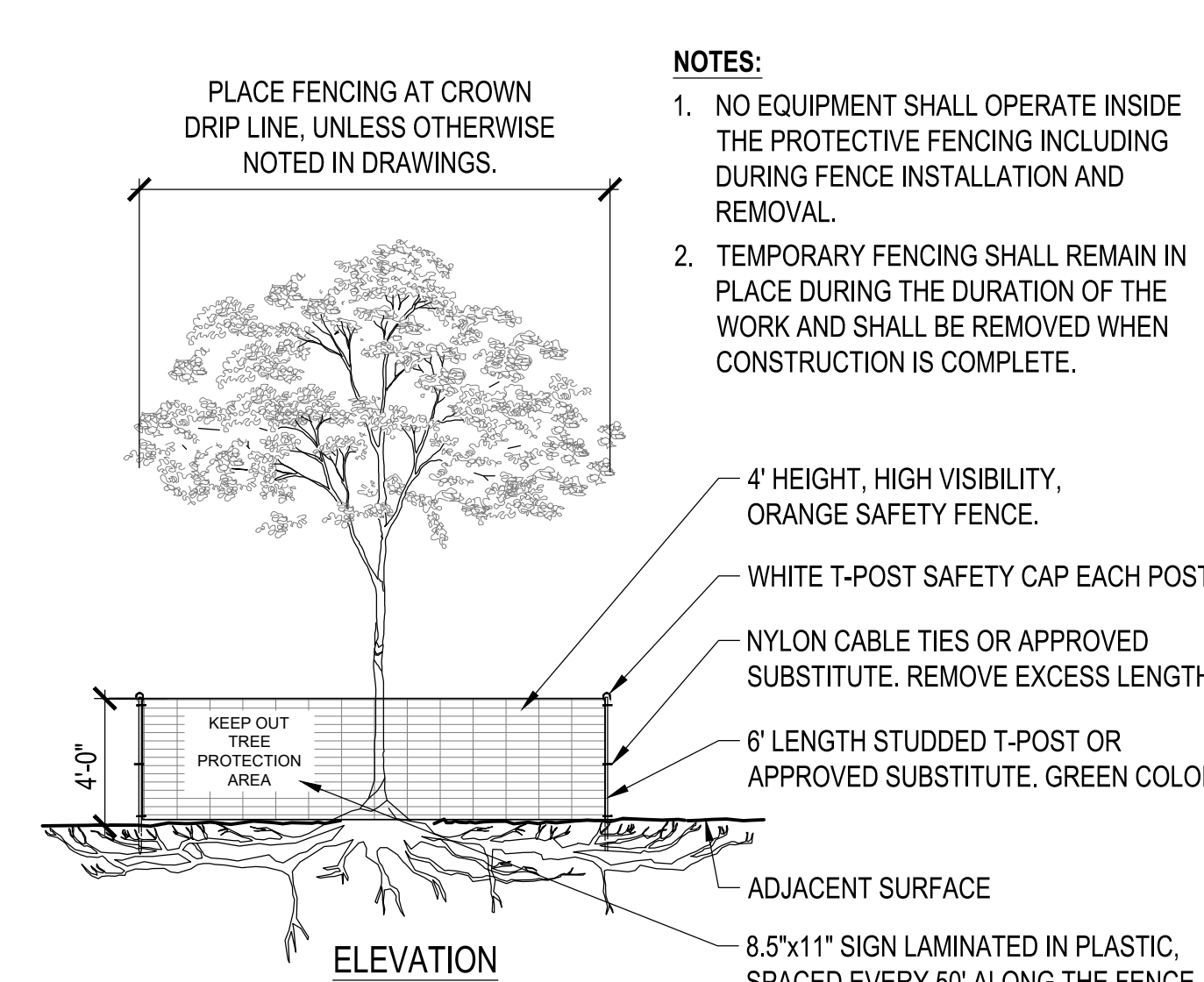
8 BOULDER IN WALK L501 NTS



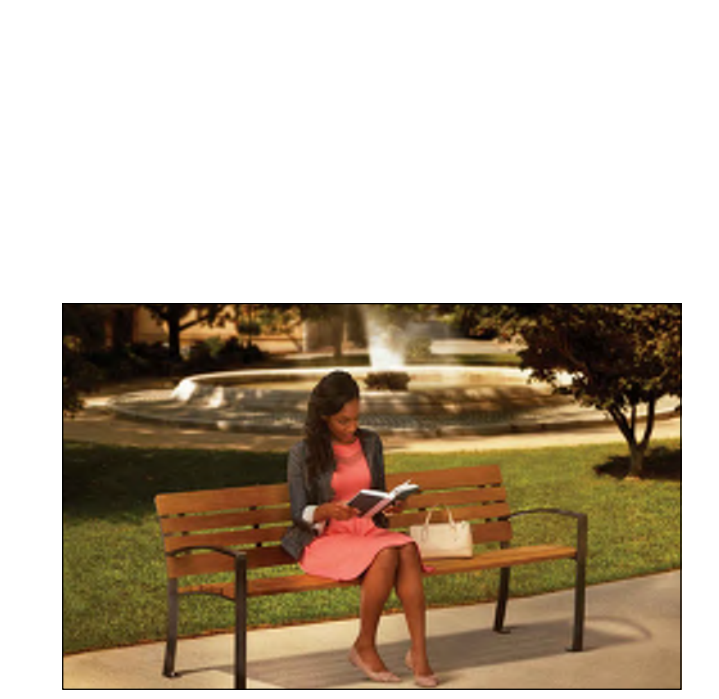
2 SHRUB PLANTING L501 NTS



5 MOOSE PROTECTION FENCE L501 NTS



6 TEMPORARY TREE PROTECTION ZONE L501 NTS



9 BENCH L501 NTS  
MODEL: EVA BENCH  
MANUFACTURER: VICTOR STANLEY  
LENGTH: 72"  
ARMS: POWDER COATED BLACK . NO INTERMEDIATE ARM  
SLAT TYPE: IPE  
MOUNTING: IN-GROUND



10 BIKE RACK L501 NTS  
MODEL: STELL BIKE RACK WITH WOOD CAPS  
MANUFACTURER: VICTOR STANLEY  
FINISH: POWDER COATED BLACK  
MOUNTING: IN-GROUND



11 DECORATIVE BOLLARD L501 NTS  
MODEL: R-7306-EX BOLLARD COVER  
SIZE: 44" HT X 6 3/8" DIAMETER  
MANUFACTURER: RELIANCE FOUNDRY  
FINISH: POWDER COATED BLACK

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: SC,MB  
CHECKED BY: MK

REVISION	DESCRIPTION	DATE

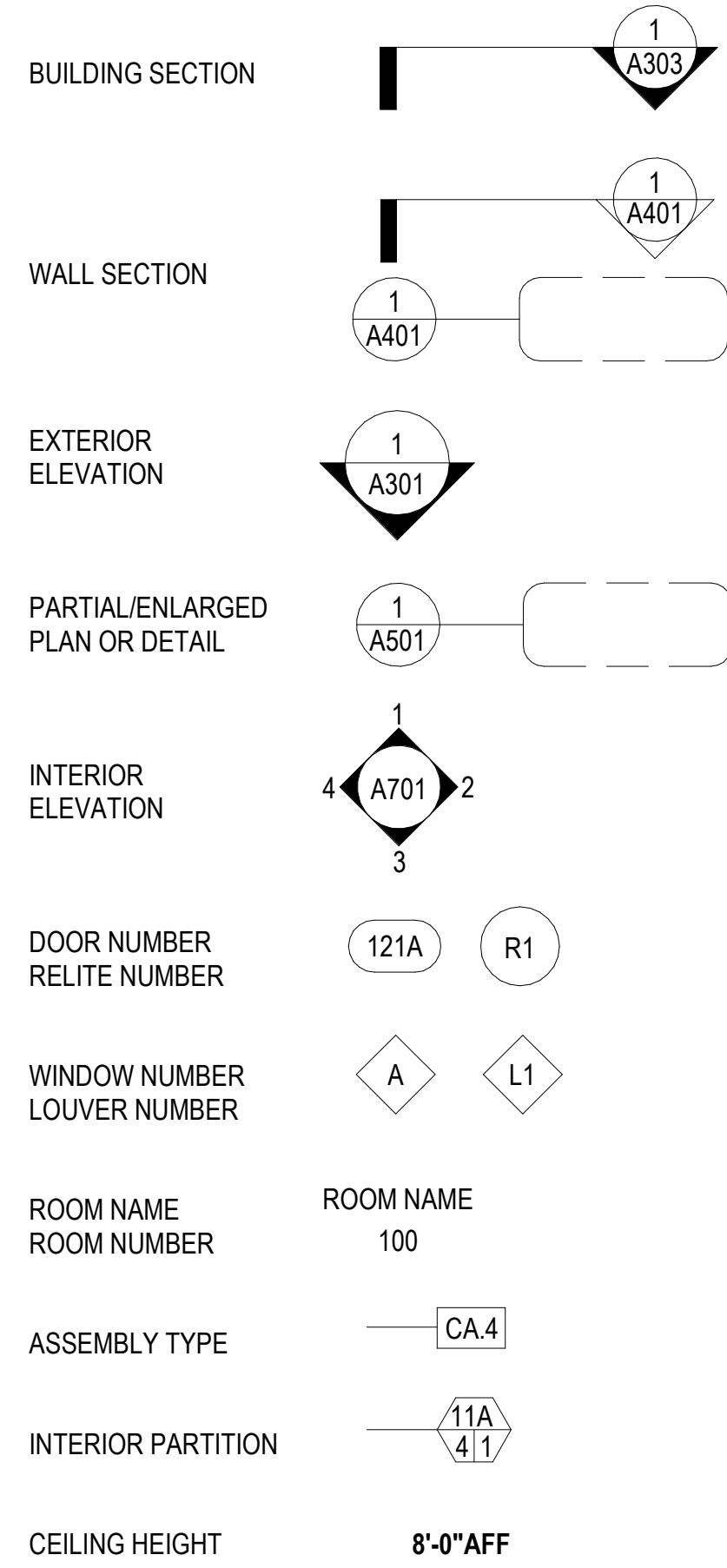
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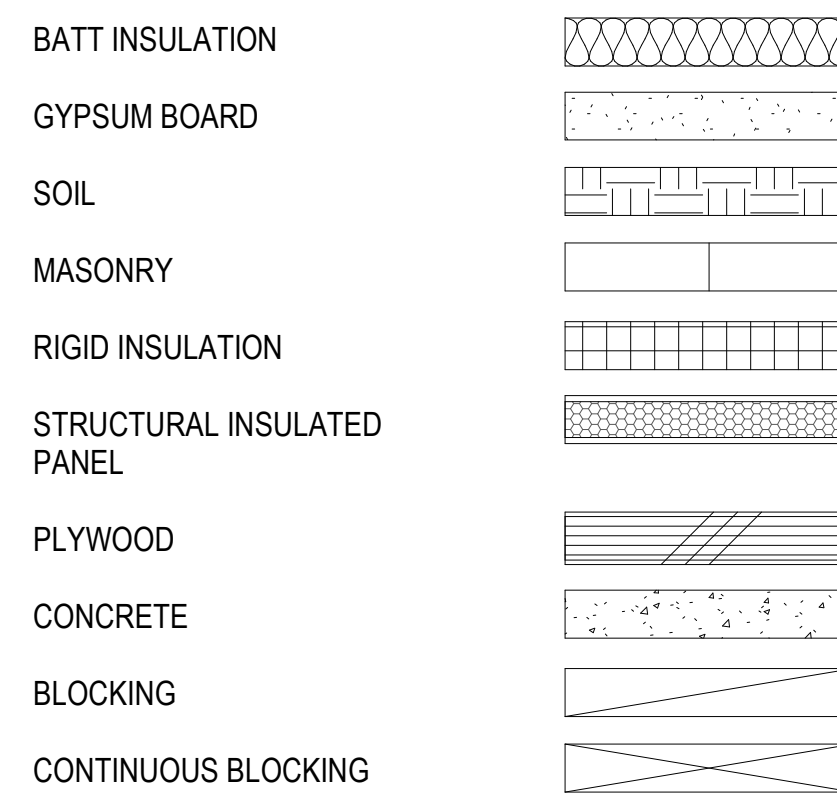
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### SYMBOL LEGEND



### MATERIAL LEGEND



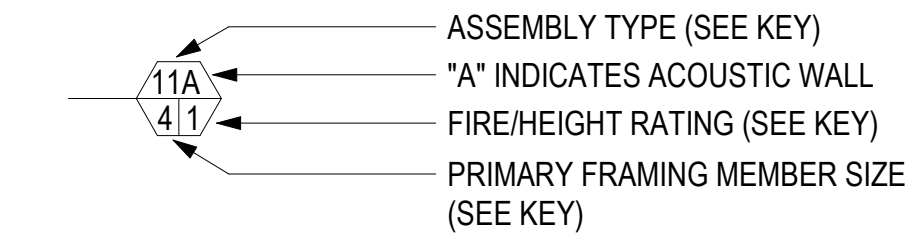
### STANDARD ARCHITECTURAL ABBREVIATIONS

AB AIR BARRIER	GA GAUGE	SALV SALVAGE
ACT ACOUSTIC CEILING TILE	GALV GALVANIZED	SC SOLID CORE
ADJ ADJUSTABLE	GB GRAB BAR	SD SOAP DISPENSER
AFD AUTOMATED AIR FRESHENER	GLB GLULAM BEAM	SDT STATIC DISSIPATIVE TILE
AFF ABOVE FINISH FLOOR	GLS GLASS	SECT SECTION
AFG ABOVE FINISHED GRADE	GT GLASS TILE	SF SQUARE FEET
ALT ALTERNATE	GYP GYPSUM BOARD	SHC SHOWER CURTAIN
ALUM ALUMINUM	HB HOSE BIB	SHCR SHOWER CURTAIN ROD
APPROX APPROXIMATE	HD HAND DRYER	SHWR SHOWER
ARGYP ABUSE RESISTANT GYPSUM	HGT HEIGHT	SIM SIMILAR
AWC ACCESSIBLE WATER CLOSET	HIP HIGH IMPACT PLASTIC PANEL	SIP STRUCTURAL INSULATED PANEL
AWI ARCHITECTURAL WOODWORK INSTITUTE	HM HOLLOW METAL	SLDS SOLID SURFACE
AWP ACOUSTICAL WALL PANEL	HORIZ HORIZONTAL	SND SANITARY NAPKIN DISPENSER
AWW ALL WEATHER WOOD	HR HOUR	SNR SANITARY NAPKIN RECEPTACLE
BBT BIO BASED TILE	HRAL HAND RAIL	SPEC SPECIFICATIONS
BCS BABY CHANGING STATION	HW-X HARDWARE (IF PROVIDED, X INDICATES DOOR HARDWARE GROUP #)	SSTL STAINLESS STEEL
BUR BUILT UP ROOFING	ICB INTEGRALLY COVED BASE	SS SHOWER SEAT
BS BACKSPLASH	ID INSIDE DIAMETER	STL STEEL
CBU CEMENTITIOUS BACKER UNIT	IHM INSULATED HOLLOW METAL	STRUCT STRUCTURAL
CC COLUMN COVER	INSUL INSULATION	SUSP SUSPENDED
CG CORNER GUARD	INT INTERIOR	SV SHEET VINYL
CJ CONTROL JOINT	IRGYP IMPACT RESISTANT GYPSUM BOARD	SWI SLOPE WITH INSULATION
CL CENTERLINE	LAV LAVATORY	SWS SLOPE WITH STRUCTURE
CLG CEILING	LMC LINEAR METAL CEILING	T&G TONGUE AND GROOVE
CMU CONCRETE MASONRY UNIT	LVT LUXURY VINYL TILE	TBD TO BE DETERMINED
COL COLUMN	LWC LINEAR WOOD CEILING	TB TACK BOARD
CONC CONCRETE	MATL MATERIAL	TO CONC TOP OF CONCRETE
CONT CONTINUOUS	MAX MAXIMUM	TO DECK TOP OF DECKING
CPS CHILD PROTECTIVE SEAT	MECH MECHANICAL	TO PLT TOP OF PLATE
CPT CARPET	MFR MANUFACTURER	TO SLAB TOP OF SLAB
CR CARD READER	MIN MINIMUM	TO STL TOP OF STEEL
CT CERAMIC TILE	MIR MIRROR	TO SUB TOP OF SUBFLOOR
CUH CABINET UNIT HEATER	MISC MISCELLANEOUS	TP TOILET PARTITION
DBL DOUBLE	MB MARKER BOARD	TPD TOILET PAPER DISPENSER
DEMO DEMOLISH/DEMOLITION	MP METAL PANEL	TSCD TOILET SEAT COVER DISPENSER
DF DRINKING FOUNTAIN	MRGYP MOISTURE-RESISTANT GYPSUM BOARD	TSTAT THERMOSTAT
DGF DECORATIVE GLASS FILM	MR MOP RACK	TYP TYPICAL
DIA DIAMETER	MT METAL TRANSITION AND ACCESSORIES	UNO UNLESS NOTED OTHERWISE
DIM DIMENSION	MTD MOUNTED	VCT VINYL COMPOSITION TILE
DISP DISPENSER	MTL METAL	VIF VERIFY IN FIELD
DN DOWN	MW MICROWAVE	VR VAPOR RETARDER
DRP DECORATIVE RESIN PANEL	NA NOT APPLICABLE	VTR VENT THROUGH ROOF
DS DOWN SPOUT	NC NURSE CALL	VWC VINYL WALL COVERING
DTL DETAIL	NFS NON-FROST SUSCEPTIBLE	WB WEATHER BARRIER
EA EACH	NIC NOT IN CONTRACT	WC WATER CLOSET
EF EPOXY FLOOR	OC ON CENTER	WCV WALL COVERING
EIFS EXTERIOR INSULATED FINISH SYSTEM	OFCI OWNER FURNISHED / CONTRACTOR INSTALLED	WD WOOD
EJ EXPANSION JOINT	OFOW OWNER FURNISHED / OWNER INSTALLED	WG WALL GUARD
ELEC ELECTRICAL	OH OVERHEAD	WM WALK OFF MAT
ELEV ELEVATION / ELEVATOR	OPP OPPOSITE	WP WATER PROOF
EM ENTRY MAT	OTS OPEN TO STRUCTURE	WPT WOOD PRESERVATIVE TREATED
EMW ELASTOMERIC MEMBRANE	OVS OIL-WATER SEPARATOR	WR WASTE RECEPTACLE
	PL PLASTIC LAMINATE	WRT WATER RESISTIVE TREATED
	PLYWD PLYWOOD	WSCT WAINSCOT
EPDM ETHYLENE PROPYLENE DIENE MONOMER MEMBRANE	PR PAIR	
	PT PORCELAIN TILE	
EQ EQUAL	PTB PORCELAIN TILE BASE	
EXIST EXISTING	PTD PAPER TOWEL DISPENSER	
EXPAN EXPANSION	PTDR PAPER TOWEL DISPENSER AND RECEPTACLE	
EXT EXTERIOR	PVC POLYVINYL CHLORIDE	
FAS FOLD-DOWN ASSISTIVE STEP	P PAINT	
FB FIRE BLANKET	QT QUARRY TILE	
FD FLOOR DRAIN	RAD RADIUS	
FDC FIRE DEPARTMENT CONNECTION	RB RESILIENT BASE	
FDN FOUNDATION	RDO ROOF DRAIN OVERFLOW	
FE FIRE EXTINGUISHER	REF REFRIGERATOR	
FEC FIRE EXTINGUISHER CABINET	REQ REQUIRED	
FF FACTORY FINISH	REV REVISED / REVISION	
FFE FURNITURE, FIXTURES, & EQUIPMENT	REQ REQUEST TO EXIT BUTTON	
FLR FLOOR	RF RUBBER FLOORING	
FIN FINISH	RFEC RECESSED FIRE EXTINGUISHER CABINET	
FOC FACE OF CONCRETE	RM ROOM	
FOF FACE OF FINISH	RO ROUGH OPENING	
FOS FACE OF STUD	RS ROLLER SHADE	
FRL FIBERGLASS REINFORCED LAMINATE	RST RESILIENT FLOORING TRANSITION	
FRP FIBERGLASS REINFORCED PLASTIC PANEL		
FRT FIRE RETARDANT TREATED		
FT FOOT / FEET		
FTG FOOTING		
FURR FURRING		

### ASSEMBLY TYPE KEY

TYPE	DESCRIPTION
11 THRU 99	INTERIOR PARTITIONS
CA, CB, CC, ETC.	CEILINGS
FA, FB, FC, ETC.	FLOORS
RA, RB, RC, ETC.	ROOFS
EA, EB, EC, ETC.	EXTERIOR WALLS

### INTERIOR PARTITION KEY



### PRIMARY FRAMING KEY

#	METAL
1	= 7/8"
2	= 2 1/2"
3	= 3 5/8"
4	= 4"
6	= 6"
8	= 8"

### ACOUSTIC WALL NOTES

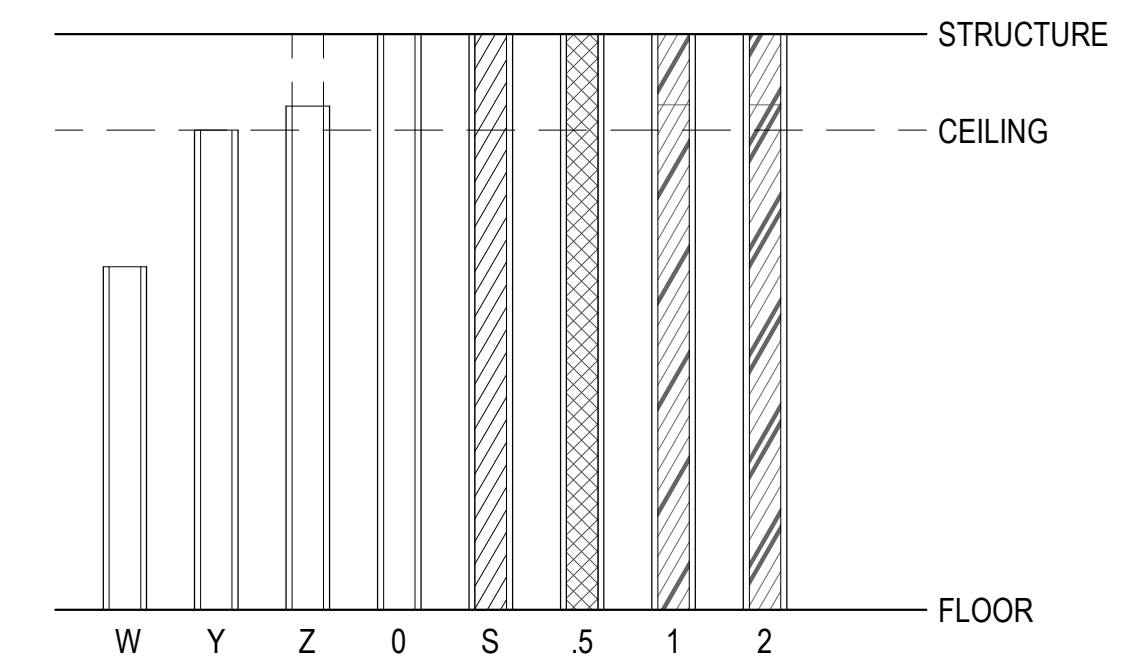
SIMILAR TO ASSEMBLY TYPE WITH THE ADDITION OF FIBERGLASS BATT INSULATION TO FULL WIDTH AND DEPTH OF STUD CAVITY

BATT RETAINERS SHALL BE USED WHERE GYPSUM BOARD IS NOT PRESENT

SEE ASSEMBLY NOTES AND SPECIFICATIONS FOR FURTHER INFORMATION ON ACOUSTIC TREATMENT

UNLESS NOTED OTHERWISE ACOUSTIC WALLS RATING, PER SPEC SECTION 09 21 16 2.01.B.1

### FIRE RATING/PARTITION HEIGHT KEY



### FIRE RATING/PARTITION HEIGHT NOTES

W = NON-RATED, PARTIAL HEIGHT

Y = NON-RATED, CEILING HEIGHT

Z = NON-RATED, ABOVE CEILING HEIGHT

0 = NON-FIRE-RATED, ACOUSTIC WALL

S = SMOKE PARTITION

.5 = 1/2-HR RATED

1 = 1-HR RATED

2 = 2-HR RATED

3 = 3-HR RATED

4 = 4- HR RATED

5 = 1-HR RATED SMOKE BARRIER

CONSULTANT:

PROJECT NO: 20-130  
 DATE: 2022-08-25  
 DRAWN BY: JN  
 CHECKED BY: RR

REVISION	DESCRIPTION	DATE

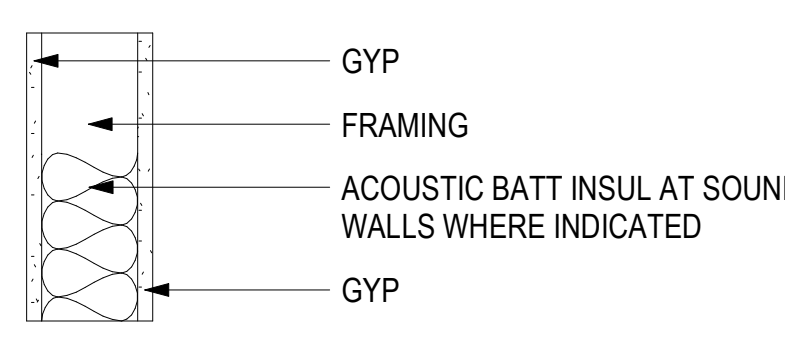
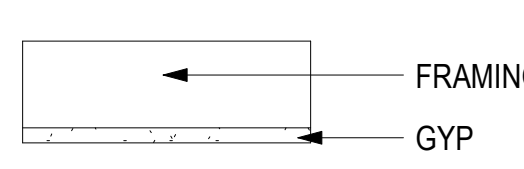
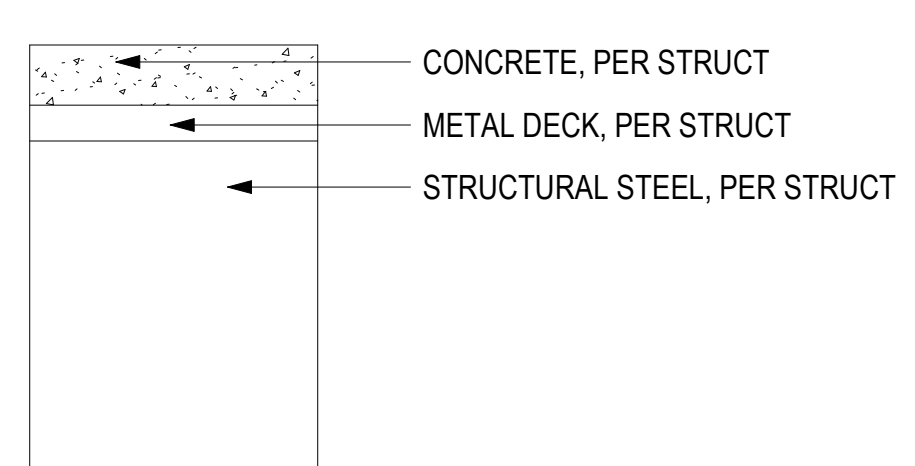
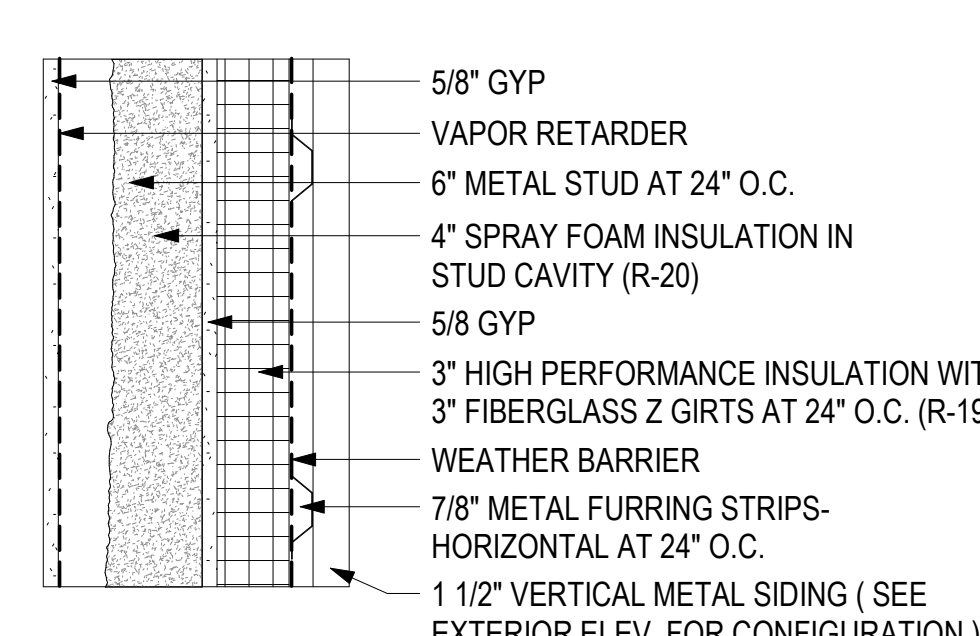
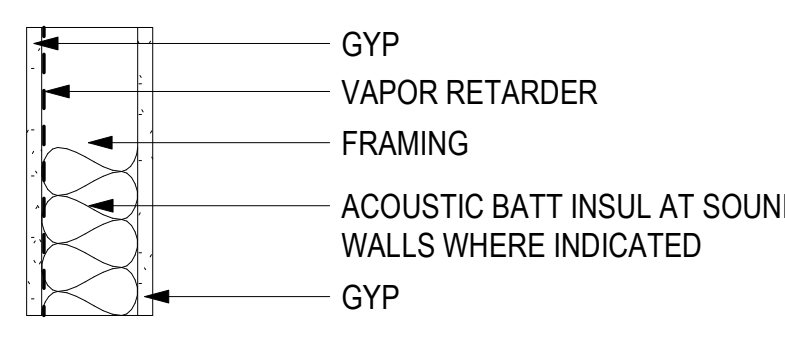
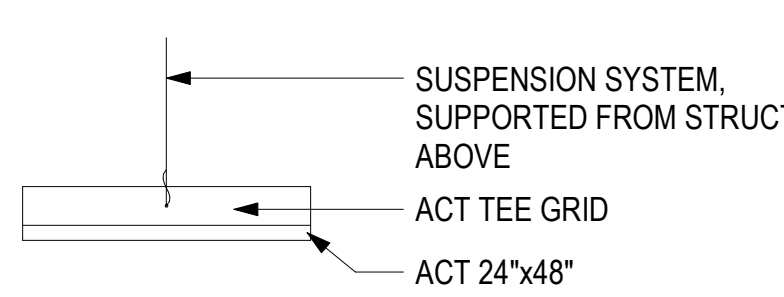
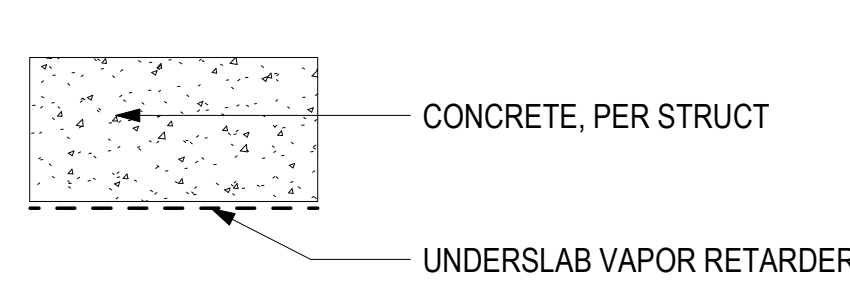
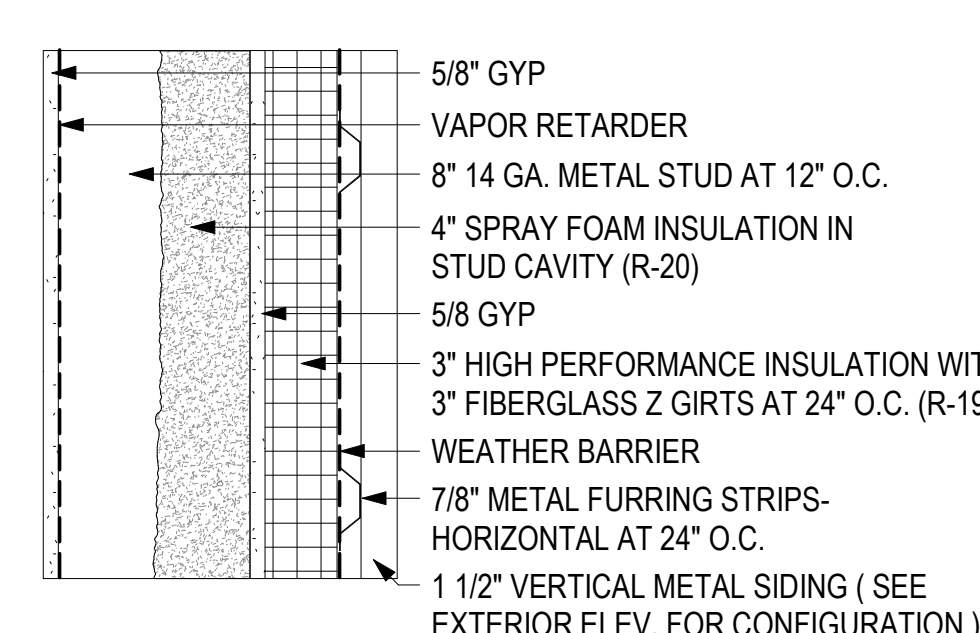
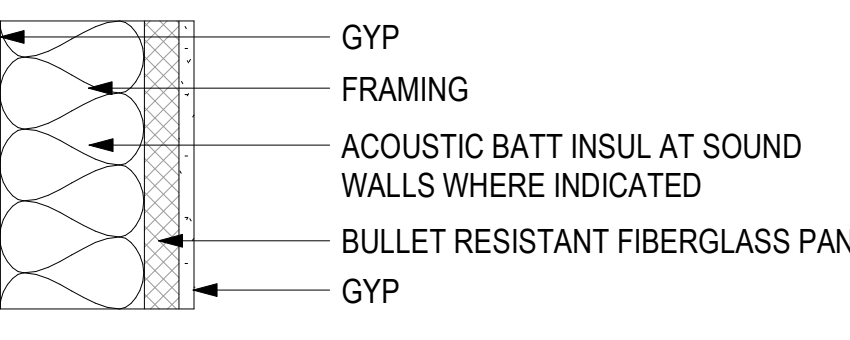
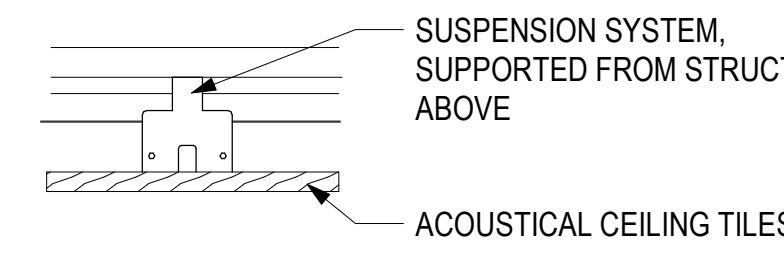
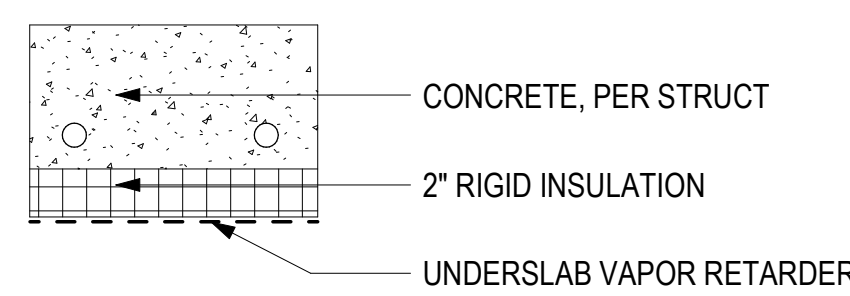
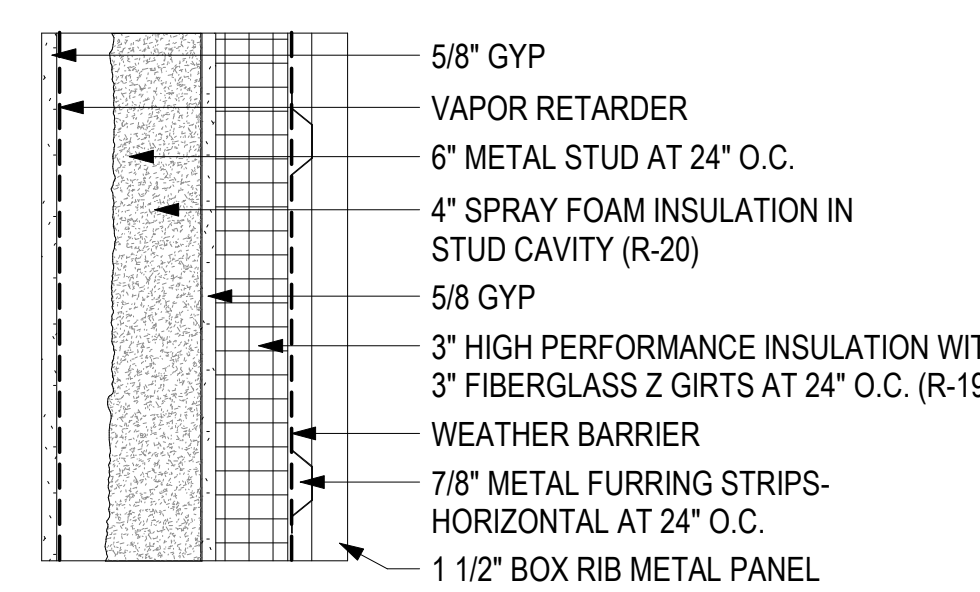
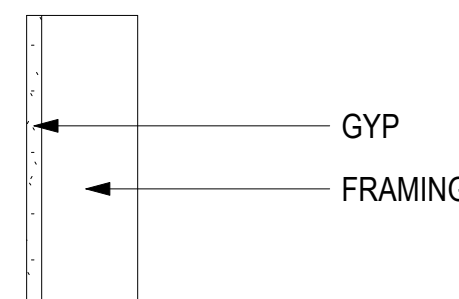
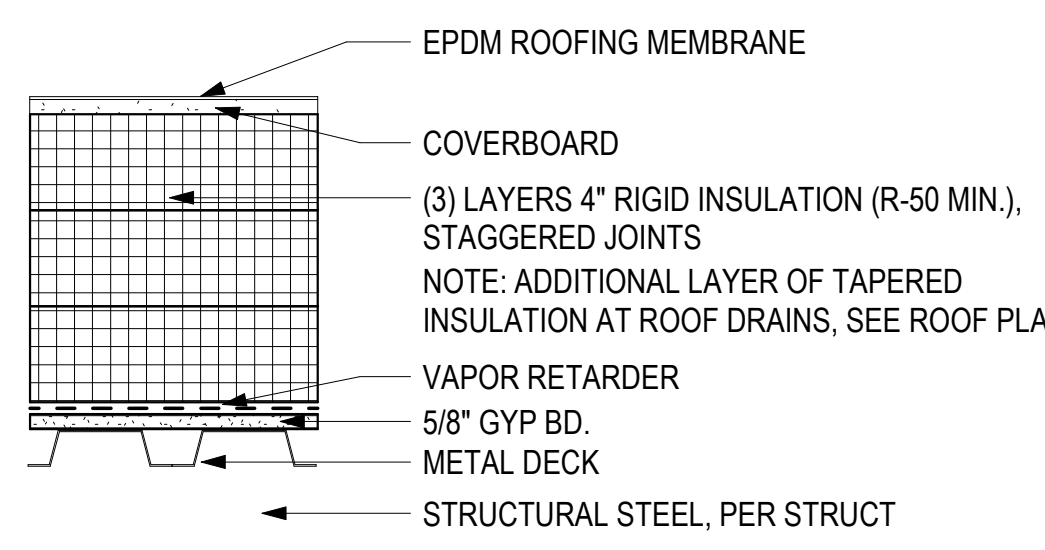
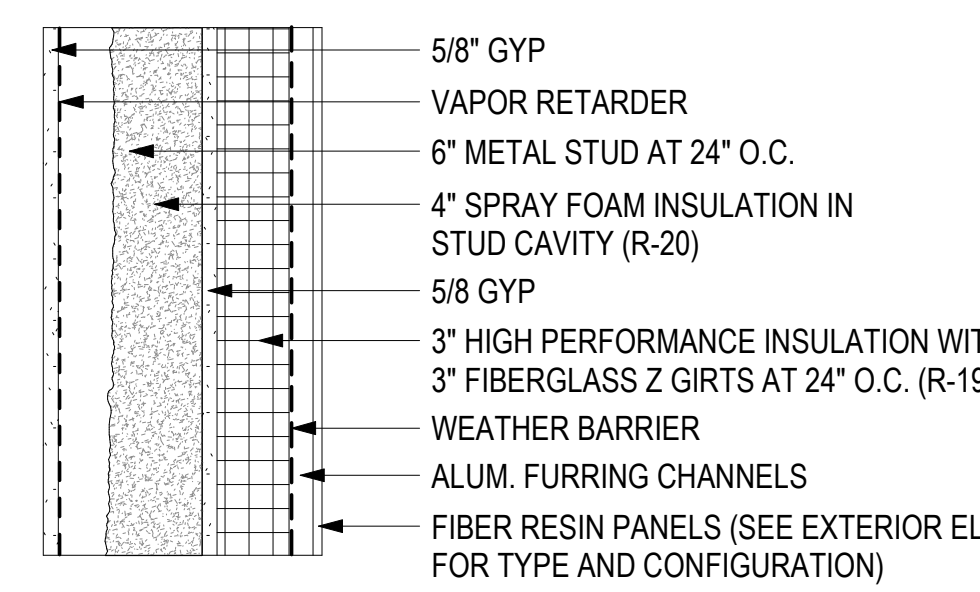
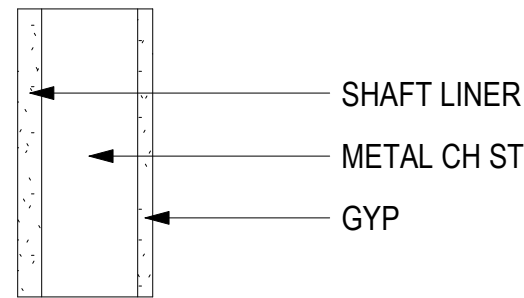
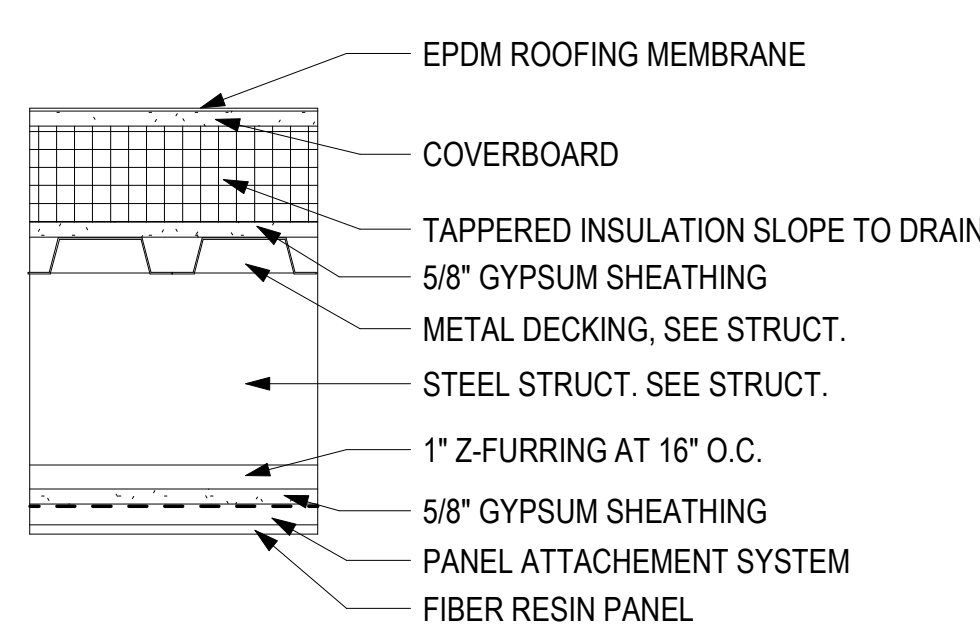
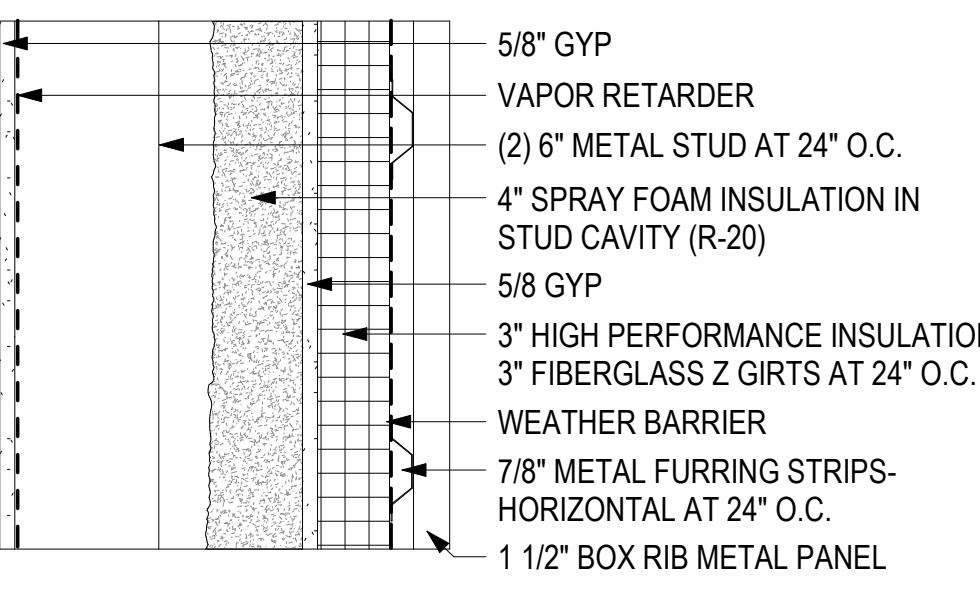
ABBREVIATIONS, GENERAL PROJECT NOTES, SYMBOLS

**A001**

NOT FOR CONSTRUCTION

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<p><b>INTERIOR PARTITION</b> RATED OR UNRATED ASSEMBLY TYPE <b>11</b></p> <p>WHERE INDICATED PER TAGS FIRE: 1-HR, PER UL TEST U419 STC: ## MIN, PER RAL-TL-##-###</p> 	<p><b>CEILING</b> GYP CEILING ON LIGHT GAUGE METAL FRAMING ASSEMBLY TYPE <b>CA</b></p> <p>FIRE: #-HR, PER UL TEST U### STC: ## MIN, PER RAL-TL-##-###</p> 	<p><b>FLOOR ASSEMBLY</b> CONCRETE ON METAL DECK ASSEMBLY TYPE <b>FA</b></p> <p>FIRE: #-HR, PER UL TEST U### STC: ## MIN, PER RAL-TL-##-###</p> 	<p><b>EXTERIOR WALL ASSEMBLY</b> VERTICAL TYPE-1 METAL SIDING ASSEMBLY TYPE <b>EA</b></p> 
<p><b>INTERIOR PARTITION</b> RATED OR UNRATED ASSEMBLY TYPE <b>11.1</b></p> <p>WHERE INDICATED PER TAGS FIRE: 1-HR, PER UL TEST U419 STC: ## MIN, PER RAL-TL-##-###</p> 	<p><b>CEILING ASSEMBLY</b> ACT CEILING ON METAL FRAMING ASSEMBLY TYPE <b>CB</b></p> <p>FIRE: #-HR, PER UL TEST U### STC: ## MIN, PER RAL-TL-##-###</p> 	<p><b>FLOOR ASSEMBLY</b> SLAB ON GRADE ASSEMBLY TYPE <b>FB</b></p> <p>FIRE: #-HR, PER UL TEST U### THERM: R## MIN</p> 	<p><b>EXTERIOR WALL ASSEMBLY</b> VERTICAL TYPE-1 METAL SIDING ASSEMBLY TYPE <b>EB</b></p> 
<p><b>INTERIOR PARTITION</b> RATED OR UNRATED ASSEMBLY TYPE <b>12</b></p> <p>WHERE INDICATED PER TAGS FIRE: 1-HR, PER ASTM E119-98 STC: 32 MIN, PER ASTM E413-87 UL752 STANDARD FOR BULLET RESISTING EQUIPMENT- LEVEL 5</p> 	<p><b>CEILING ASSEMBLY</b> SUSPENDED ACOUSTICAL CEILING ASSEMBLY TYPE <b>CC</b></p> <p>FIRE: #-HR, PER UL TEST U### STC: ## MIN, PER RAL-TL-##-###</p> 	<p><b>FLOOR ASSEMBLY</b> SLAB ON GRADE ASSEMBLY TYPE <b>FC</b></p> <p>FIRE: #-HR, PER UL TEST U### THERM: R## MIN</p> 	<p><b>EXTERIOR WALL ASSEMBLY</b> VERTICAL TYPE-2 METAL SIDING ASSEMBLY TYPE <b>EC</b></p> 
<p><b>INTERIOR PARTITION</b> ASSEMBLY TYPE <b>21</b></p> 		<p><b>ROOF ASSEMBLY</b> EPDM ASSEMBLY TYPE <b>RA</b></p> <p>FIRE: #-HR, PER UL TEST U### THERM: R## MIN</p> 	<p><b>EXTERIOR WALL ASSEMBLY</b> FIBER RESIN PANEL ON METAL STUD ASSEMBLY TYPE <b>ED</b></p> 
<p><b>INTERIOR PARTITION</b> SHAFT WALL ASSEMBLY TYPE <b>41</b></p> <p>PER PARTITION KEYS FIRE: 1-HR, PER UL TEST U499 STC: ## MIN, PER RAL-TL-##-###</p> 		<p><b>ROOF ASSEMBLY</b> EPDM AT CANOPY ASSEMBLY TYPE <b>RB</b></p> 	<p><b>EXTERIOR WALL ASSEMBLY</b> VERTICAL TYPE-2 METAL SIDING ASSEMBLY TYPE <b>EE</b></p> 

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: JN  
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REVISION	DESCRIPTION	DATE

ASSEMBLY TYPES  
**A002**

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3D RENDERING- SW VIEW RENDERINGS TO BE UPDATED TO REFLECT DESIGN CHANGES FROM 35-65%



3D RENDERING- SE VIEW RENDERINGS TO BE UPDATED TO REFLECT DESIGN CHANGES FROM 35-65%

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND  
TRAINING CENTER**  
HAINES, ALASKA

65% PRICING SET

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
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CHECKED BY: RR

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NOT FOR CONSTRUCTION  
3D RENDERINGS  
**A3D1**

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING  
HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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3D RENDERING- NE NIGHT VIEW

RENDERINGS TO BE UPDATED TO REFLECT DESIGN CHANGES FROM 35-65%



3D RENDERING- SW NIGHT VIEW

RENDERINGS TO BE UPDATED TO REFLECT DESIGN CHANGES FROM 35-65%

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: JN  
CHECKED BY: RR

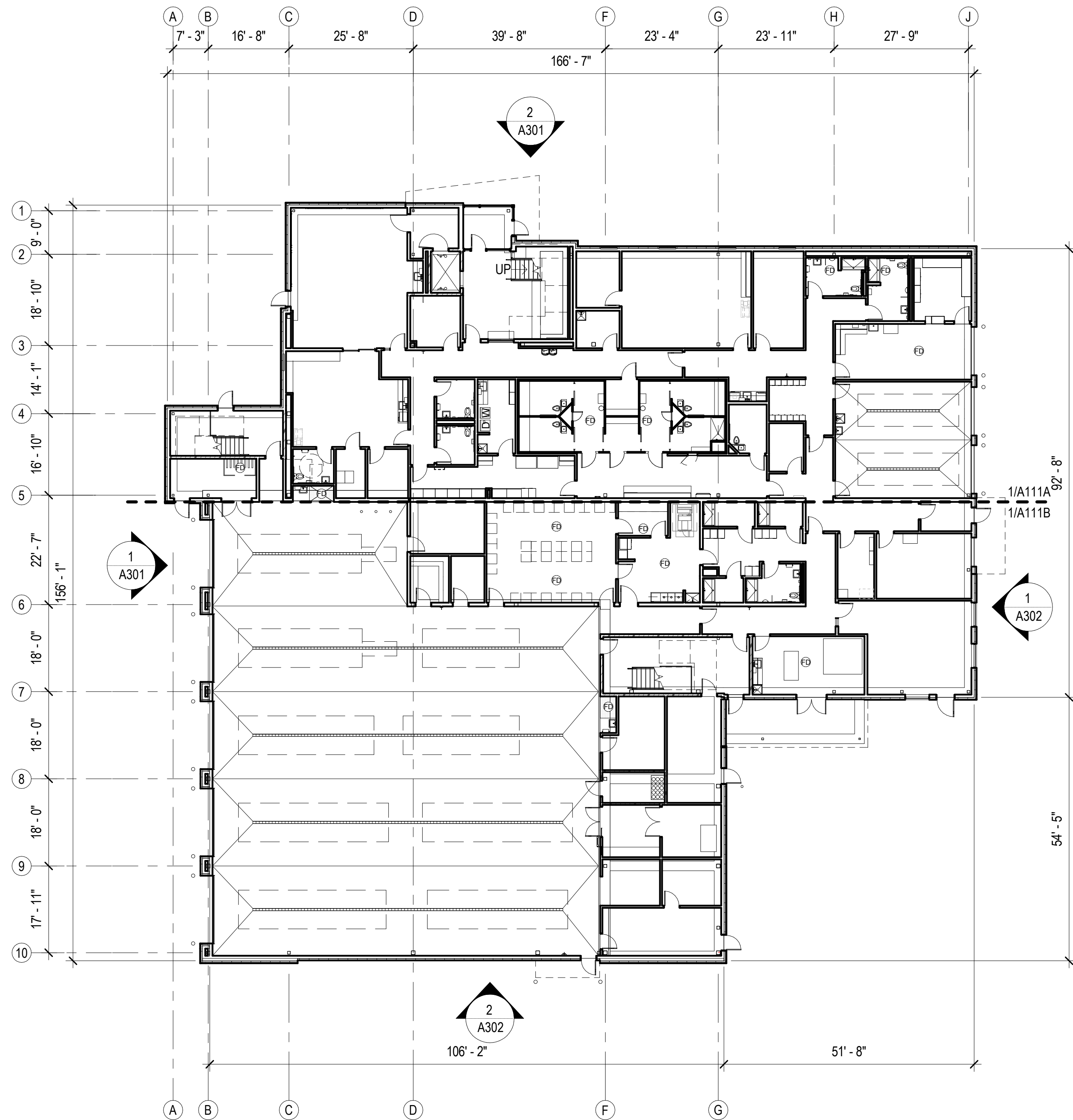
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NOT FOR CONSTRUCTION  
3D RENDERINGS  
**A3D2**  
BETTISWORTH NORTH ARCHITECTS & PLANNERS

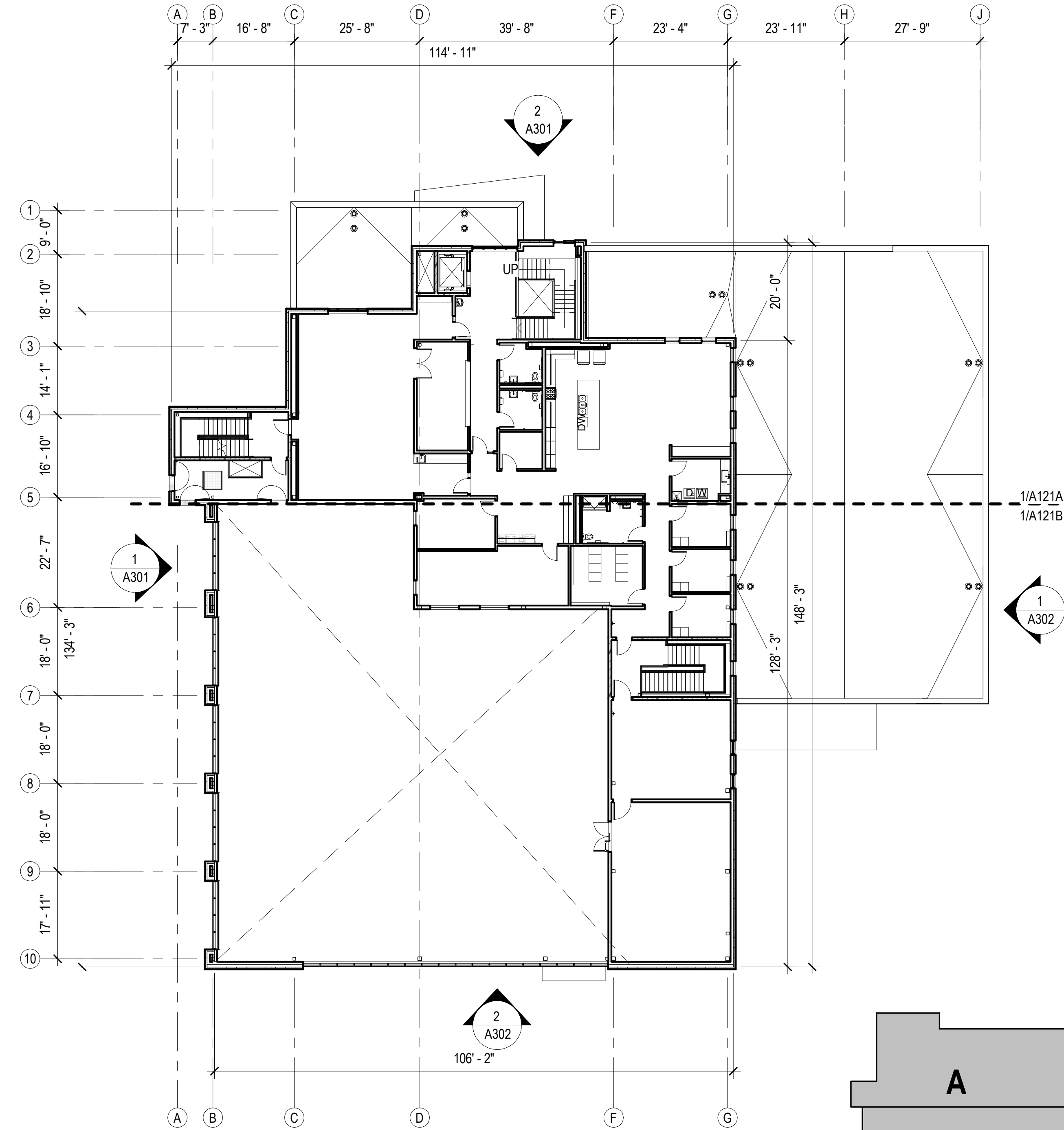
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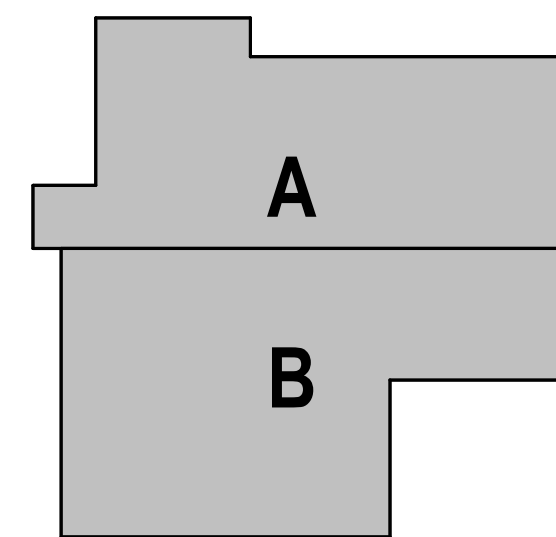
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**1** FIRST FLOOR - OVERALL  
 A110 1/16" = 1'-0"



**2** SECOND FLOOR- OVERALL  
 A110 1/16" = 1'-0"



HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
 HAINES, ALASKA

65% PRICING SET

CONSULTANT:

PROJECT NO:	20-130	
DATE:	2022-08-25	
DRAWN BY:	JN	
CHECKED BY:	RR	
REVISION	DESCRIPTION	DATE

FIRST AND SECOND FLOOR  
 PLAN - OVERALL

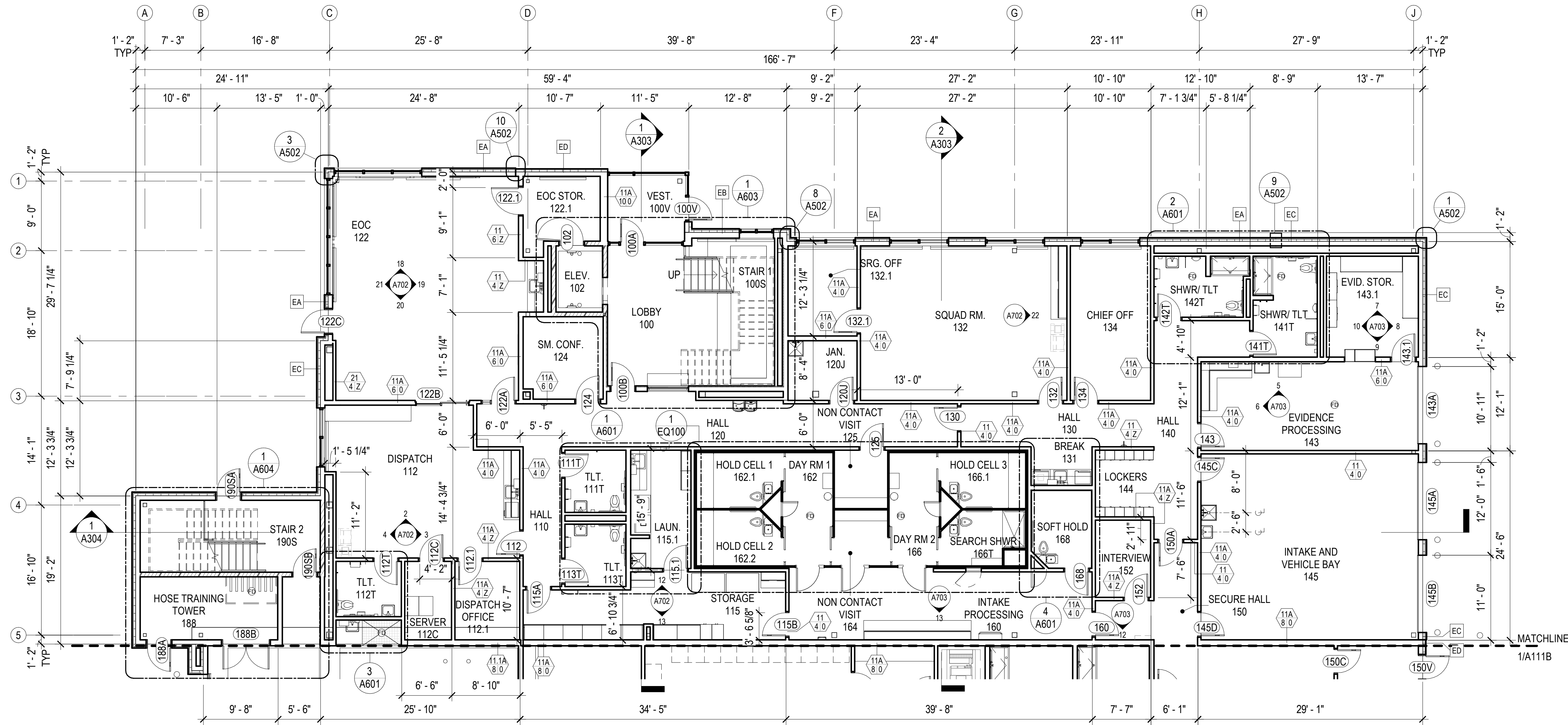
**A110**

NOT FOR CONSTRUCTION

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1 FIRST FLOOR - BLOCK A  
A111A 1/8" = 1'-0"

BLOCK PLAN LEGEND	
	NON RATED PARTITION
	SMOKE PARTITION
	1HR RATED
	MATCHLINE
	OFCI
	NIC

**GENERAL FLOOR PLAN NOTES**

**FIELD VERIFICATION:** THE CONTRACTOR SHALL FIELD-VERIFY ALL DIMENSIONS PRIOR TO WORK. PROMPTLY NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES IN NEW OR EXISTING CONDITIONS.

**DIMENSIONING GUIDE:** ALL DIMENSIONS ARE TAKEN FROM GRIDS OR FACE OF METAL STUD UNLESS OTHERWISE NOTED. DIMENSIONS BETWEEN SURFACES WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES. UNLESS OTHERWISE NOTED ALL DIMENSIONS REFERENCED HEREIN ARE IMPERIAL STANDARDS AND SHALL BE TREATED WITHOUT ANY HIERARCHY OR ORDER OF PRECEDENCE.

**REFERENCE ELEVATION:** ALL ELEVATIONS NOTED ON THIS PLAN CORRESPOND TO REFERENCE ELEVATION [0'-0"] FOR THIS FLOOR LEVEL. VARIANCES IN THIS ELEVATION MAY EXIST, AS INDICATED. UPPER FLOOR ELEVATIONS TO BE NOTED ACCORDINGLY.

**REFLECTED CEILING PLANS:** REFER TO A200 SERIES SHEETS FOR CORRESPONDING RCPS.

**PARTITION/WALL RATINGS:** UNLESS OTHERWISE NOTED PARTITION/WALL FIRE/SMOKE RATINGS ARE DESIGNATED ON SHEETS G003.

**DOOR OPENINGS:** ALL DOOR OPENINGS ARE TAGGED IN CORRESPONDENCE WITH THE DOOR TYPE SCHEDULE ON SHEET A901. THIS MAY INCLUDE MISCELLANEOUS OPENINGS SUCH AS OVERHEAD SECTIONAL OR COILING, SLIDING, AND OPERABLE PANEL ASSEMBLIES. TYPICAL DOOR JAMBS ARE LOCATED 6" FROM FACE OF STUD AT ADJACENT WALL TO JAMB ROUGH OPENING UNO.

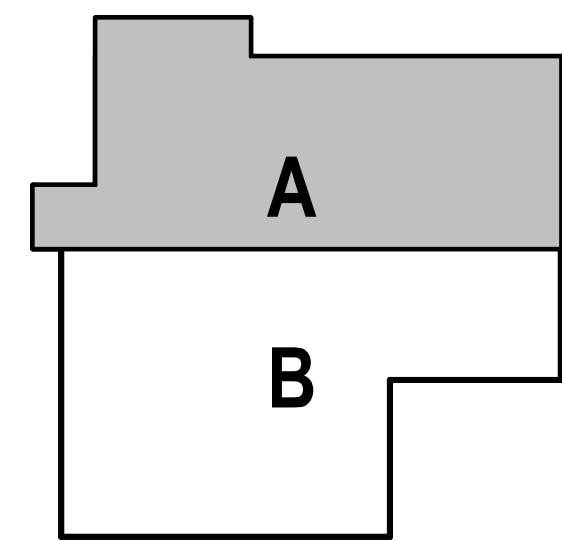
**WINDOW OPENINGS:** ALL WINDOW OPENINGS ARE TAGGED IN CORRESPONDENCE WITH THE WINDOW TYPE SCHEDULE ON SHEET A902. THIS MAY INCLUDE MISCELLANEOUS OPENINGS SUCH AS STOREFRONT AND CURTAIN WALL ASSEMBLIES.

**ROOM FINISHES:** ALL ROOM NAMES/NUMBERS ARE TAGGED IN CORRESPONDENCE WITH THE ROOM FINISH SCHEDULE ON SHEET A911 & A912.

**EQUIPMENT PLANS:** REFER TO SHEETS [EQ101] FOR SPECIFIC EQUIPMENT LAYOUT PLANS AND EQUIPMENT DATA.

**MOUNTING HEIGHTS:** REFER TO SHEET A701 FOR TYPICAL MOUNTING HEIGHTS FOR FIXTURES, ACCESSORY ITEMS, AND MISCELLANEOUS DEVICES.

**FLOOR SLOPE:** UNLESS OTHERWISE NOTED THE FLOOR SHALL BE SLOPED TO THE DRAIN IN AREAS TO RECEIVE FLOOR DRAINS SUCH AS RESTROOM/TOILET AREAS, KITCHENS, AND GARAGES.



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FIRST FLOOR PLAN - BLOCK A

**A111A**

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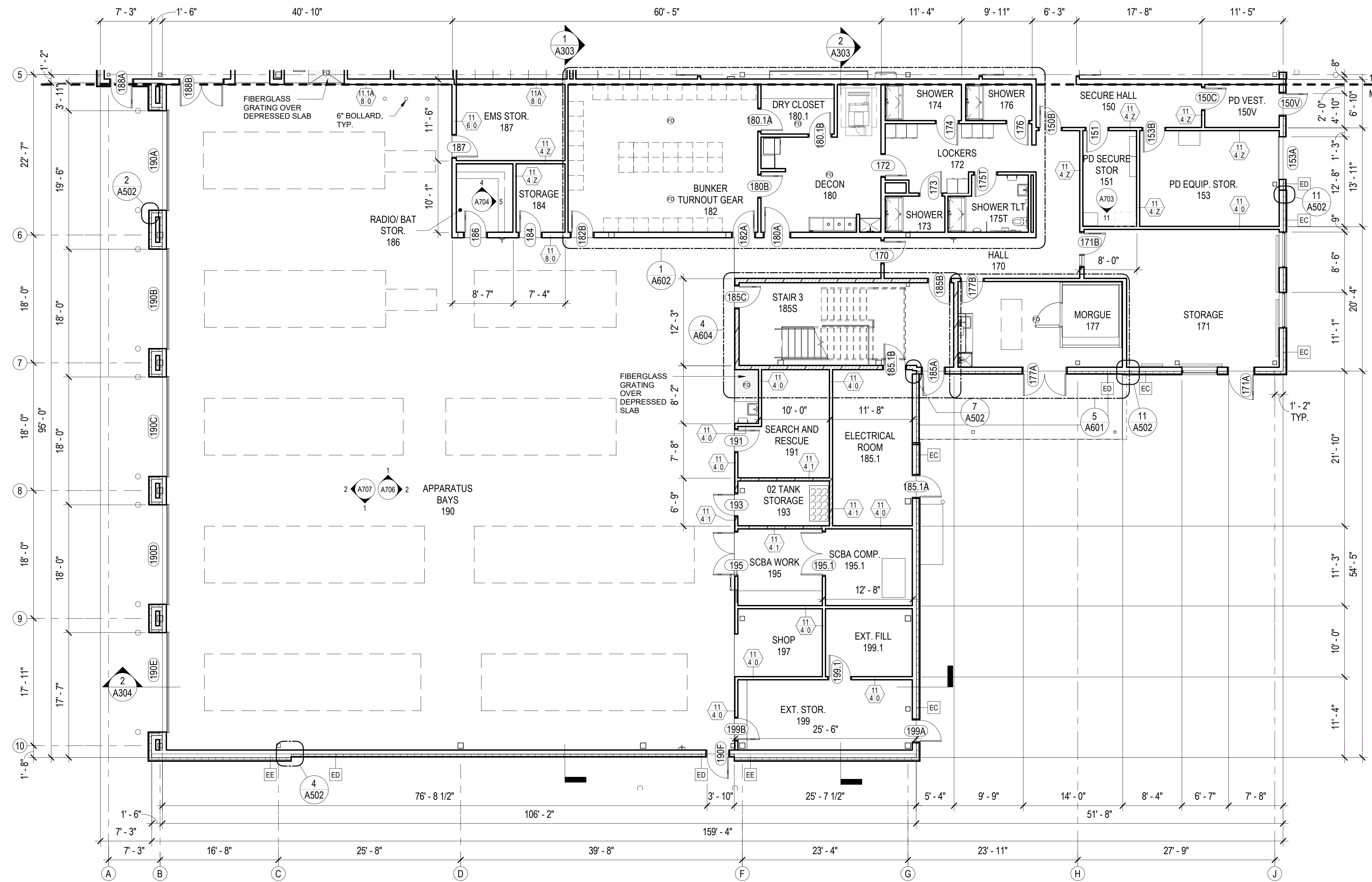
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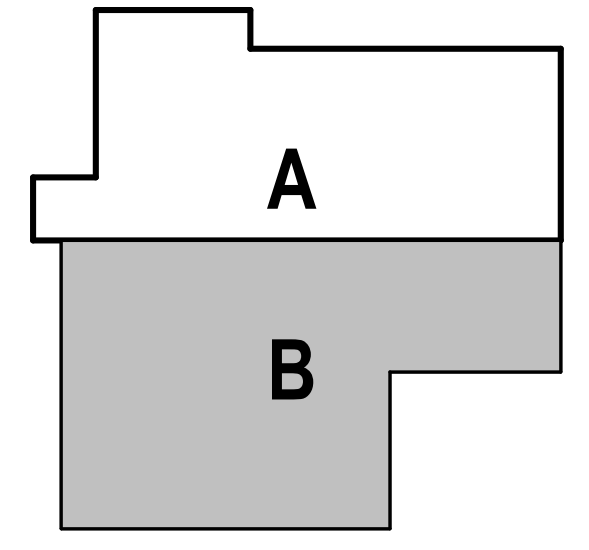
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BLOCK PLAN LEGEND	
	NON RATED PARTITION
	SMOKE PARTITION
	1HR RATED
	MATCHLINE
	OFCI
	NIC

GENERAL FLOOR PLAN NOTES	
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REFERENCE ELEVATION: ALL ELEVATIONS NOTED ON THIS PLAN CORRESPOND TO REFERENCE ELEVATION [0'-0"] FOR THIS FLOOR LEVEL. VARIANCES IN THIS ELEVATION MAY EXIST, AS INDICATED. UPPER FLOOR ELEVATIONS TO BE NOTED ACCORDINGLY.	
REFLECTED CEILING PLANS: REFER TO A200 SERIES SHEETS FOR CORRESPONDING RCPS.	
PARTITION/WALL RATINGS: UNLESS OTHERWISE NOTED PARTITION/WALL FIRE/SMOKE RATINGS ARE DESIGNATED ON SHEETS G003.	
DOOR OPENINGS: ALL DOOR OPENINGS ARE TAGGED IN CORRESPONDENCE WITH THE DOOR TYPE SCHEDULE ON SHEET A901. THIS MAY INCLUDE MISCELLANEOUS OPENINGS SUCH AS OVERHEAD SECTIONAL OR COILING, SLIDING, AND OPERABLE PANEL ASSEMBLIES. TYPICAL DOOR JAMBS ARE LOCATED 6" FROM FACE OF STUD AT ADJACENT WALL TO JAMB ROUGH OPENING UNO.	
WINDOW OPENINGS: ALL WINDOW OPENINGS ARE TAGGED IN CORRESPONDENCE WITH THE WINDOW TYPE SCHEDULE ON SHEET A902. THIS MAY INCLUDE MISCELLANEOUS OPENINGS SUCH AS STOREFRONT AND CURTAIN WALL ASSEMBLIES.	
ROOM FINISHES: ALL ROOM NAMES/NUMBERS ARE TAGGED IN CORRESPONDENCE WITH THE ROOM FINISH SCHEDULE ON SHEET A911 & A9112.	
EQUIPMENT PLANS: REFER TO SHEETS [EQ101] FOR SPECIFIC EQUIPMENT LAYOUT PLANS AND EQUIPMENT DATA.	
MOUNTING HEIGHTS: REFER TO SHEET A701 FOR TYPICAL MOUNTING HEIGHTS FOR FIXTURES, ACCESSORY ITEMS, AND MISCELLANEOUS DEVICES.	
FLOOR SLOPE: UNLESS OTHERWISE NOTED THE FLOOR SHALL BE SLOPED TO THE DRAIN IN AREAS TO RECEIVE FLOOR DRAINS SUCH AS RESTROOM/TOILET AREAS, KITCHENS, AND GARAGES.	



1 A111B FIRST FLOOR - BLOCK B  
1/8" = 1'-0"



TRUE NORTH PLAN NORTH

CONSULTANT:

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DATE: 2022-08-25  
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FIRST FLOOR PLAN - BLOCK B

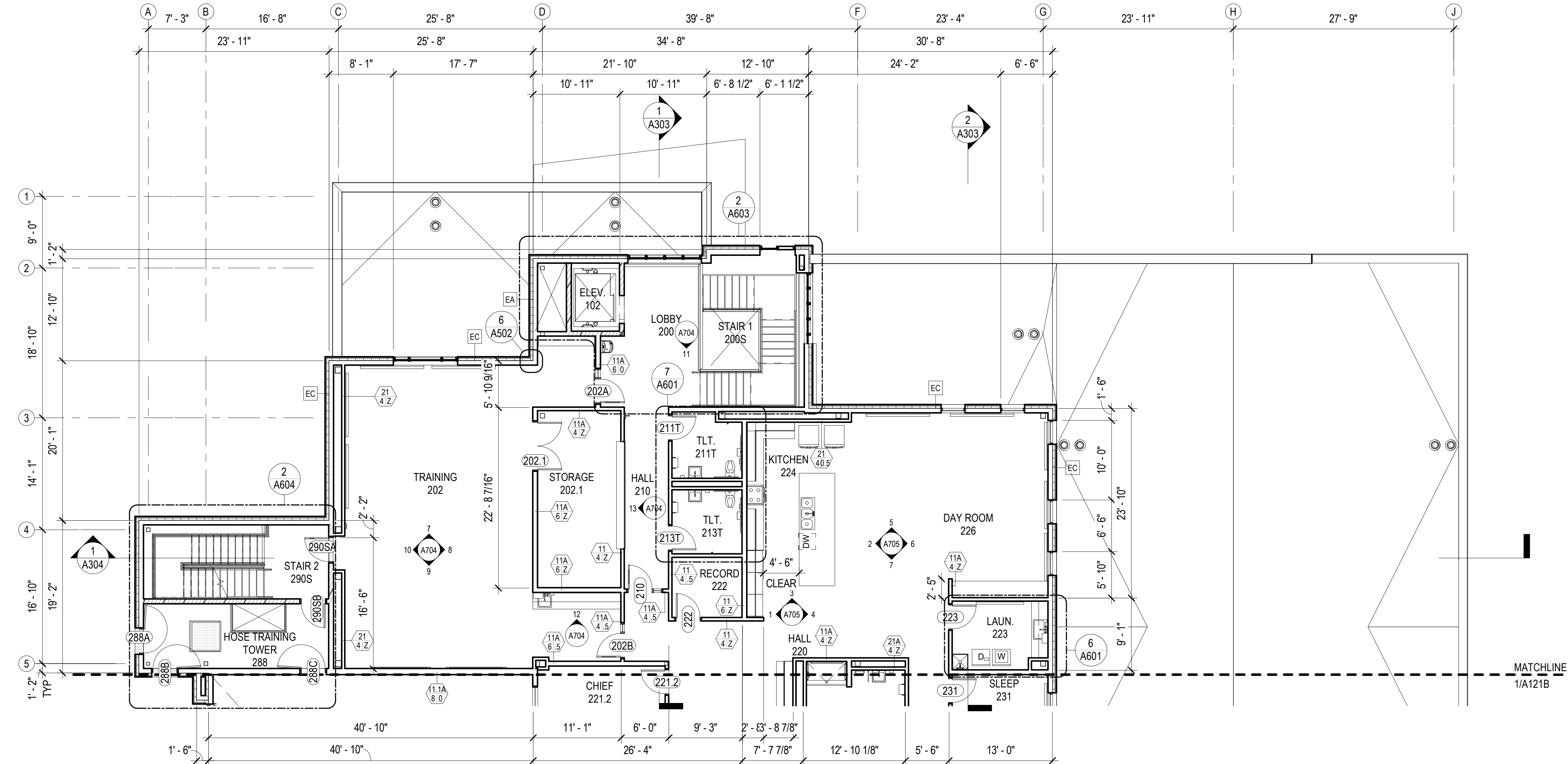
**A111B**

NOT FOR CONSTRUCTION



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2 SECOND FLOOR- BLOCK A  
A121A 1/8" = 1'-0"

BLOCK PLAN LEGEND	
	NON RATED PARTITION
	SMOKE PARTITION
	1HR RATED
	MATCHLINE
	OFCI
	NIC

**GENERAL FLOOR PLAN NOTES**

**FIELD VERIFICATION:** THE CONTRACTOR SHALL FIELD-VERIFY ALL DIMENSIONS PRIOR TO WORK. PROMPTLY NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES IN NEW OR EXISTING CONDITIONS.

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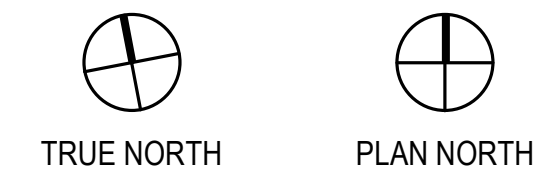
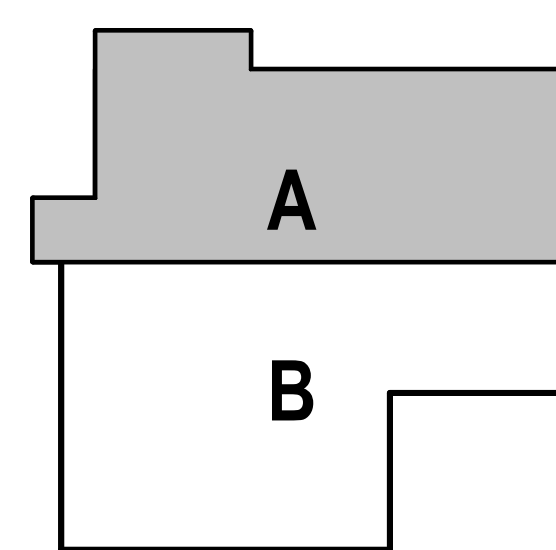
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**BETTISWORTH NORTH**  
architecture • planning  
CORPORATE NO. AEC219 BETTISWORTH.COM

**HAINES BOROUGH  
HAINES COMMUNITY SAFETY AND  
TRAINING CENTER  
HAINES, ALASKA**

CONSULTANT:

PROJECT NO:	20-130	
DATE:	2022-08-25	
DRAWN BY:	JN	
CHECKED BY:	RR	
REVISION	DESCRIPTION	DATE

SECOND FLOOR PLAN - BLOCK A

**A121A**

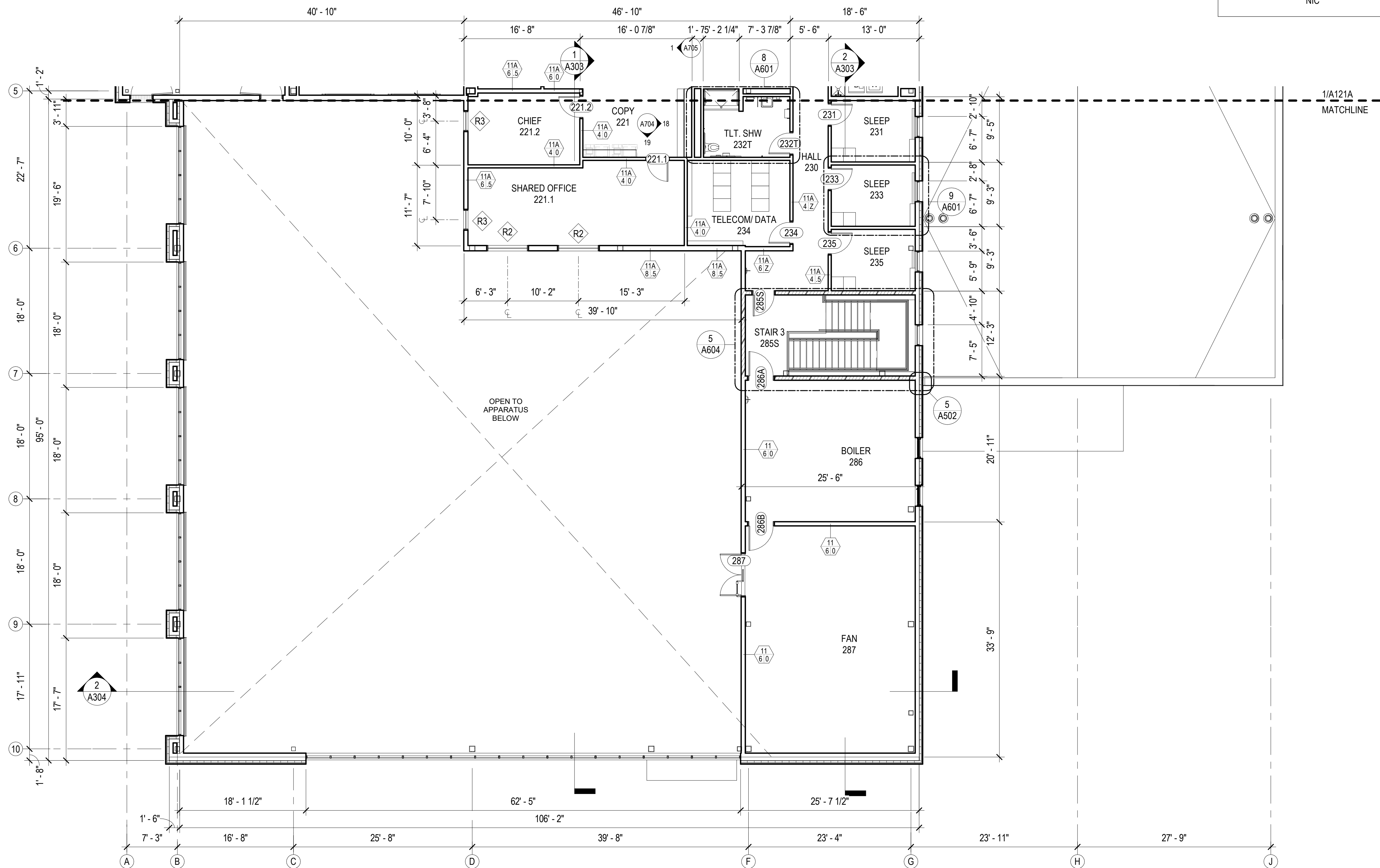
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65% PRICING SET

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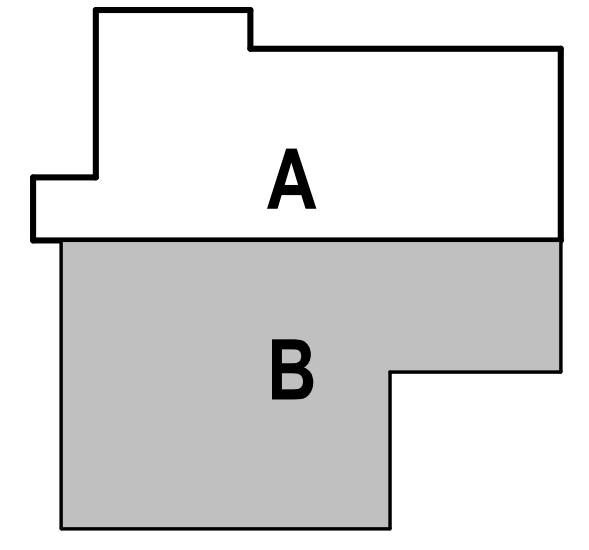
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BLOCK PLAN LEGEND	
	NON RATED PARTITION
	SMOKE PARTITION
	1HR RATED
	MATCHLINE
	OFCI
	NIC

GENERAL FLOOR PLAN NOTES	
<b>FIELD VERIFICATION:</b>	THE CONTRACTOR SHALL FIELD-VERIFY ALL DIMENSIONS PRIOR TO WORK. PROMPTLY NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES IN NEW OR EXISTING CONDITIONS.
<b>DIMENSIONING GUIDE:</b>	ALL DIMENSIONS ARE TAKEN FROM GRIDS OR FACE OF METAL STUD UNLESS OTHERWISE NOTED. DIMENSIONS BETWEEN SURFACES WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES. UNLESS OTHERWISE NOTED ALL DIMENSIONS REFERENCED HEREIN ARE IMPERIAL STANDARDS AND SHALL BE TREATED WITHOUT ANY HIERARCHY OR ORDER OF PRECEDENCE.
<b>REFERENCE ELEVATION:</b>	ALL ELEVATIONS NOTED ON THIS PLAN CORRESPOND TO REFERENCE ELEVATION [0'-0"] FOR THIS FLOOR LEVEL. VARIANCES IN THIS ELEVATION MAY EXIST, AS INDICATED. UPPER FLOOR ELEVATIONS TO BE NOTED ACCORDINGLY.
<b>REFLECTED CEILING PLANS:</b>	REFER TO A200 SERIES SHEETS FOR CORRESPONDING RCPS.
<b>PARTITION/WALL RATINGS:</b>	UNLESS OTHERWISE NOTED PARTITION/WALL FIRE/SMOKE RATINGS ARE DESIGNATED ON SHEETS G003.
<b>DOOR OPENINGS:</b>	ALL DOOR OPENINGS ARE TAGGED IN CORRESPONDENCE WITH THE DOOR TYPE SCHEDULE ON SHEET A901. THIS MAY INCLUDE MISCELLANEOUS OPENINGS SUCH AS OVERHEAD SECTIONAL OR COILING, SLIDING, AND OPERABLE PANEL ASSEMBLIES. TYPICAL DOOR JAMBS ARE LOCATED 6" FROM FACE OF STUD AT ADJACENT WALL TO JAMB ROUGH OPENING UNO.
<b>WINDOW OPENINGS:</b>	ALL WINDOW OPENINGS ARE TAGGED IN CORRESPONDENCE WITH THE WINDOW TYPE SCHEDULE ON SHEET A902. THIS MAY INCLUDE MISCELLANEOUS OPENINGS SUCH AS STOREFRONT AND CURTAIN WALL ASSEMBLIES.
<b>ROOM FINISHES:</b>	ALL ROOM NAMES/NUMBERS ARE TAGGED IN CORRESPONDENCE WITH THE ROOM FINISH SCHEDULE ON SHEET A911 & A912.
<b>EQUIPMENT PLANS:</b>	REFER TO SHEETS [EQ101] FOR SPECIFIC EQUIPMENT LAYOUT PLANS AND EQUIPMENT DATA.
<b>MOUNTING HEIGHTS:</b>	REFER TO SHEET A701 FOR TYPICAL MOUNTING HEIGHTS FOR FIXTURES, ACCESSORY ITEMS, AND MISCELLANEOUS DEVICES.
<b>FLOOR SLOPE:</b>	UNLESS OTHERWISE NOTED THE FLOOR SHALL BE SLOPED TO THE DRAIN IN AREAS TO RECEIVE FLOOR DRAINS SUCH AS RESTROOM/TOILET AREAS, KITCHENS, AND GARAGES.



TRUE NORTH  
PLAN NORTH

1 SECOND FLOOR- BLOCK B  
A121B 1/8" = 1'-0"

CONSULTANT:

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SECOND FLOOR PLAN - BLOCK B

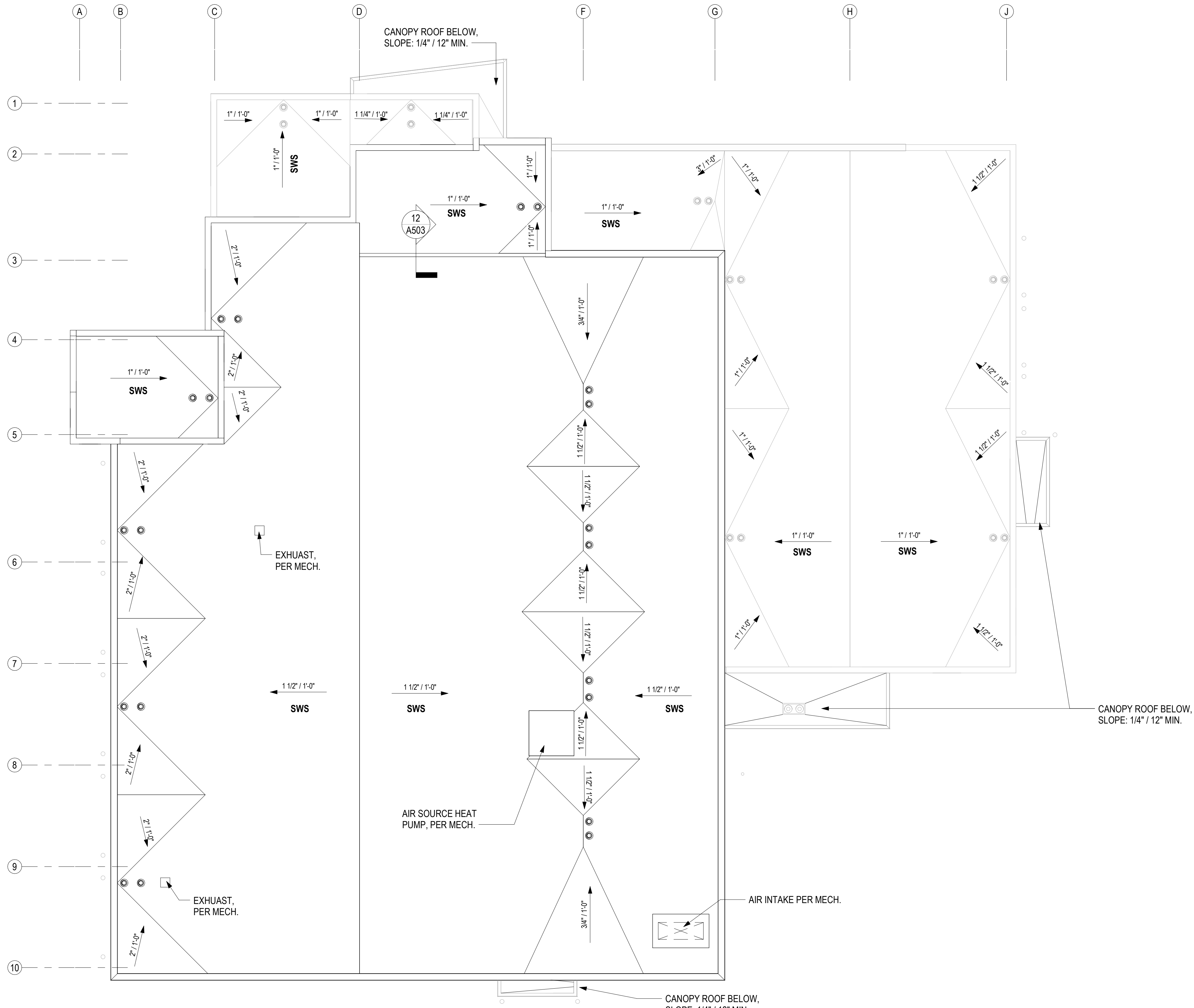
**A121B**

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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1 ROOF  
A130 1" = 10'-0"

**ROOF PLAN LEGEND**

SWS	SLOPE WITH STRUCTURE
SWI	SLOPE WITH INSULATION
⊙ ⊙	ROOF DRAIN
▨	TRAFFIC PADS
---	MATCHLINE

**GENERAL ROOF PLAN NOTES**

**WIND LOADING:** ALL EXTERIOR ROOFING ASSEMBLIES TO COMPLY WITH DESIGN WIND PRESSURES FOR SPECIFIED REQUIREMENTS, INCLUDING ALL PARAPET COPING AND RELATED METAL FLASHINGS. SEE STRUCTURAL SHEETS FOR PERFORMANCE REQUIREMENTS.

**FIRE CLASSIFICATION:** ROOF ASSEMBLY SHALL HAVE A CLASS [A] [B] [C] MINIMUM FIRE-RATING PER (ASTM E108 OR UL790)

**M/E EQUIPMENT:** ROOF PLANS SHOW MOST MAJOR MECHANICAL AND ELECTRICAL ROOF MOUNTED EQUIPMENT AND DEVICES. SEE MECHANICAL AND ELECTRICAL DOCUMENTS FOR ADDITIONAL M/E DEVICES INCLUDED ON THE ROOF. CONTRACTOR TO COORDINATE LAYOUTS AND MOUNTING REQUIREMENTS.

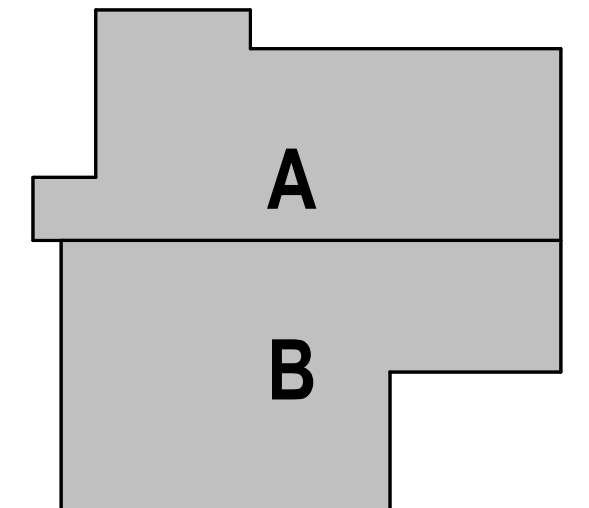
**ROOF SLOPE:** MEMBRANE ROOF ASSEMBLIES TO BE INSTALLED WITH MINIMUM 1" PER 12" SLOPE TO DRAIN/SCUPPER, UNLESS OTHERWISE NOTED.

**ROOF INVERTS:** MEMBRANE ROOF ASSEMBLIES ESTABLISH LOW POINT INVERTS AT ROOF DRAIN AND/OR SCUPPER LOCATIONS WITH MINIMUM THICKNESS OF RIGID INSULATION [6"].

**ROOF CURBS:** WHERE SCHEDULED ON THE ROOF PLAN, PROVIDE INSULATED ROOF CURBS EXTENDING A MINIMUM [12"] ABOVE THE ADJACENT ROOF MEMBRANE, UNLESS OTHERWISE NOTED.

**VENT THROUGH ROOFS:** ALL VTRS TO EXTEND VERTICALLY [12"] MINIMUM ABOVE THE ROOF SURFACE, UNLESS NOTED OTHERWISE.

**TRAFFIC PADS:** PROVIDE TRAFFIC PADS WHERE INDICATED, AND SPACE PADS WITH 6" CLEAR BETWEEN FOR DRAINAGE.



⊕ TRUE NORTH  
⊕ PLAN NORTH

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA  
65% PRICING SET

CONSULTANT:

PROJECT NO: 20-130  
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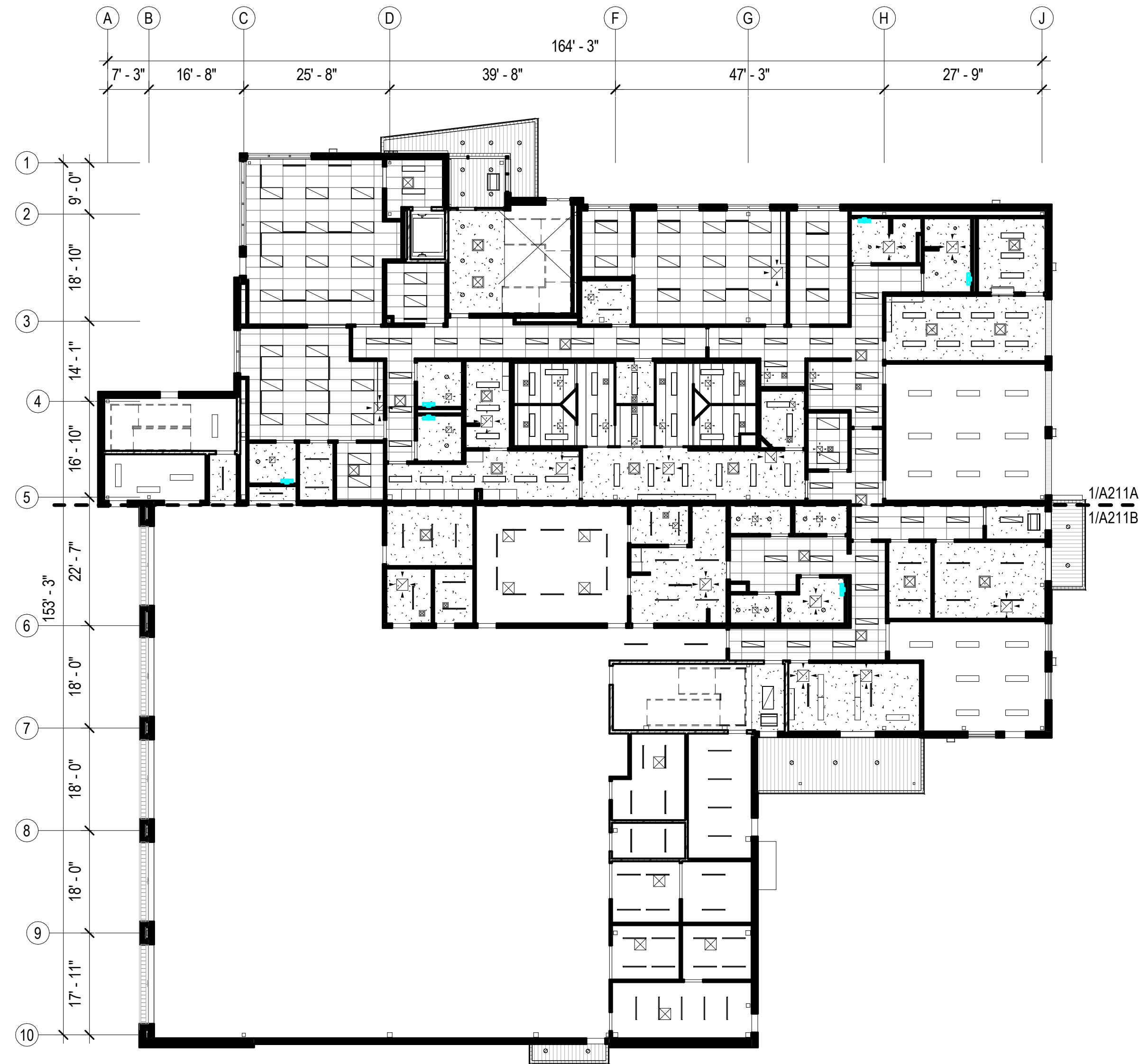
REVISION	DESCRIPTION	DATE

ROOF PLAN - OVERALL  
**A130**

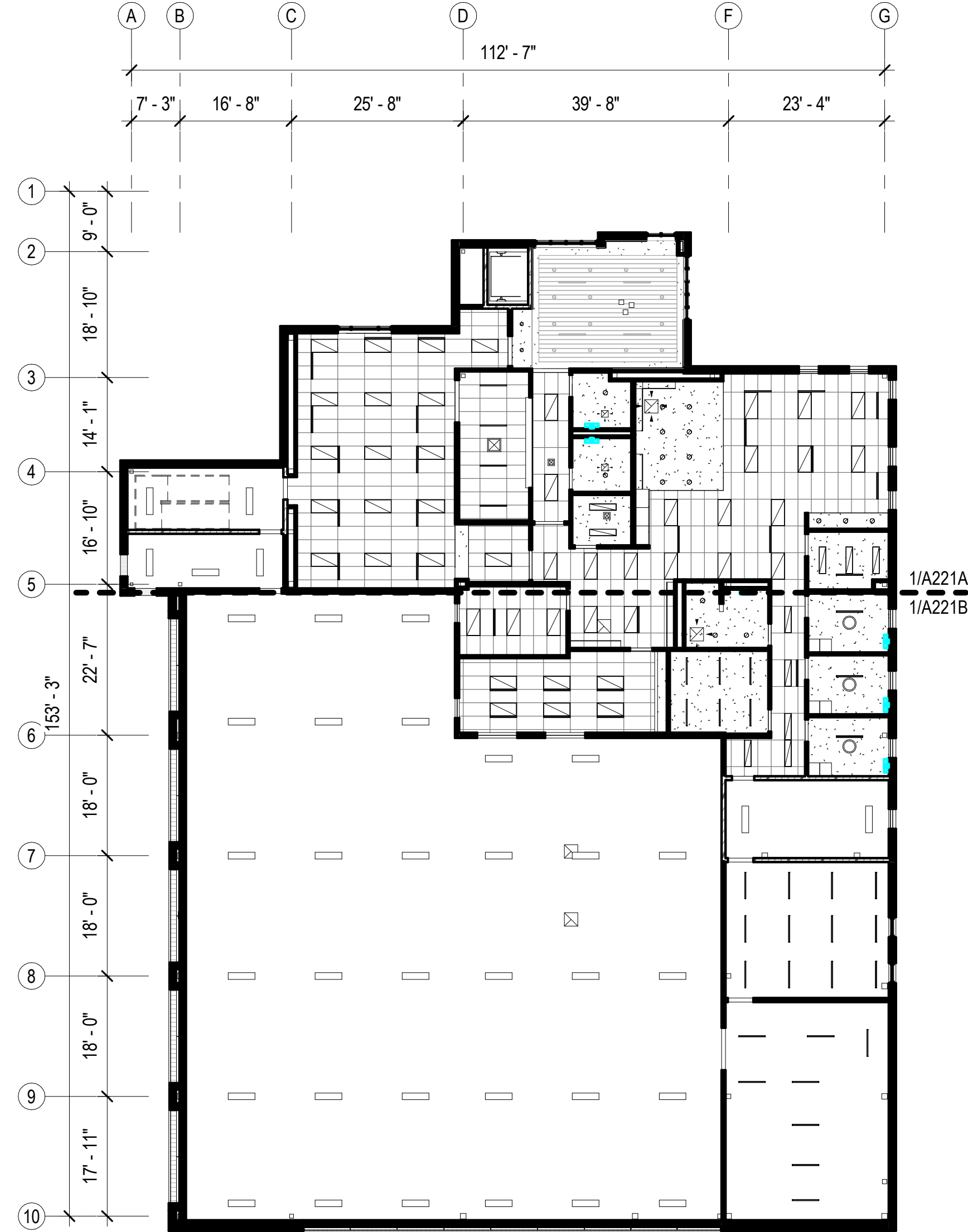
NOT FOR CONSTRUCTION

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**1** FIRST FLOOR - RCP - OVERALL  
A210 1/16" = 1'-0"



**2** SECOND FLOOR - RCP - OVERALL  
A210 1/16" = 1'-0"

**GENERAL REFLECTED CEILING PLAN NOTES**

**FIELD VERIFICATION:** THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND VERTICAL CONTROL PRIOR TO THE COMMENCEMENT OF WORK. PROMPTLY NOTIFY THE ARCHITECT AND OWNER'S REPRESENTATIVE IN WRITING OF DISCREPANCIES IN THE NEW AND EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ABOVE CEILING WORK TO ENSURE CLEARANCES FOR SCHEDULED CEILING HEIGHTS.

**DIMENSION GUIDE:** ALL DIMENSIONS ARE TAKEN FROM GRID LINE, FACE OF MASONRY, AND FACE OF STUD PARTITIONS, UNLESS OTHERWISE NOTED. CLEAR DIMENSIONS WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES.

**CEILING HEIGHTS:** ALL CEILING HEIGHTS CORRESPOND TO THE RESPECTIVE FINISH FLOOR ELEVATION/LEVEL. CEILING HEIGHTS ARE 9'-0" AFF UNO.

**CEILING FINISHES:** REFER TO SHEETS A912 FOR SCHEDULED CEILING FINISHES.

**CEILING DEVICES:** ALL CEILING LAYOUT PLANS SHOW MOST MAJOR MECHANICAL AND ELECTRICAL DEVICES. SEE MECHANICAL AND ELECTRICAL DOCUMENTS FOR ADDITIONAL M/E DEVICES INCLUDED IN THE CEILING CONFIGURATION. CONTRACTOR TO COORDINATE LAYOUT OF ALL DEVICES. ALL M/E DEVICES SCHEDULED FOR SUSPENDED ACOUSTIC CEILING TILE, TO BE LOCATED IN THE CENTER OF EACH TILE, UNLESS OTHERWISE NOTED.

**PARTITION TYPES:** PARTITION TYPES AND RELATED HEIGHTS ARE REFERENCED ON THE CORRESPONDING FLOOR PLAN SHEETS [A100], AND SCHEDULED ON SHEET [A002].

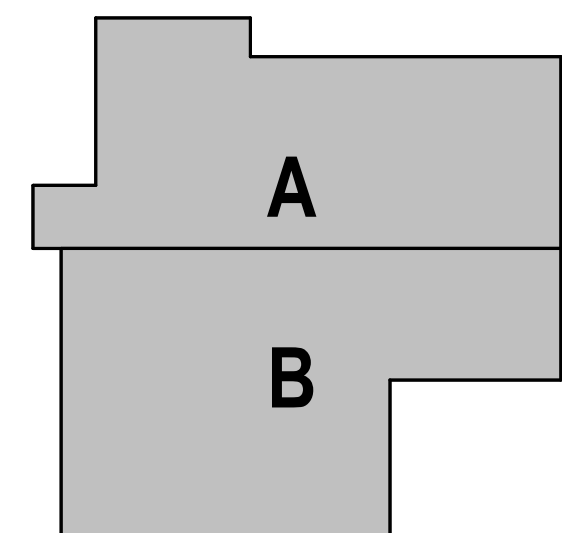
**CEILING ACCESS:** PROVIDE CEILING ACCESS PANELS, AS SPECIFIED IN SECTION [08 31 00] IN ALL INACCESSIBLE CEILINGS WHERE EQUIPMENT/DEVICES REQUIRING ACCESS ARE LOCATED. COORDINATE LOCATION WITH EXISTING DESIGN LAYOUT, AND SIZE AS SPECIFIED.

**SPRINKLER HEADS:** ALL SPRINKLER HEADS SCHEDULED FOR SUSPENDED ACOUSTIC CEILING TILES TO BE LOCATED IN THE CENTER OF EACH TILE.

**LATERAL SUPPORT:** PROVIDE LATERAL SUPPORT AND UPLIFT RESTRAINT AT ALL SUSPENDED ACOUSTICAL TILE CEILINGS AS REQUIRED BY THE LOCAL JURISDICTION (ASTM E580 AND CISCA'S CEILING SUSPENSION HANDBOOK). COORDINATE LOCATIONS WITH ABOVE CEILING DEVICES AND RELATED CLEARANCES.

**SUSPENDED CEILINGS:** WHERE SUSPENDED CEILINGS ARE SCHEDULED, COORDINATE HANGER PLACEMENT TO STRUCTURE ABOVE AND PROVIDE TRAPEZE CONFIGURATIONS WHERE OBSTRUCTIONS OCCUR.

**EXTERIOR SOFFITS:** ALL EXTERIOR SOFFITS TO COMPLY WITH DESIGN WIND PRESSURES FOR SPECIFIED LOADING REQUIREMENTS. SEE STRUCTURAL SHEETS FOR PERFORMANCE REQUIREMENTS.



TRUE NORTH

PLAN NORTH

**HAINES BOROUGH**  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
**HAINES, ALASKA**  
 65% PRICING SET

CONSULTANT:

PROJECT NO: 20-130  
 DATE: 2022-08-25  
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FIRST AND SECOND REFLECTED CEILING PLAN - OVERALL

**A210**

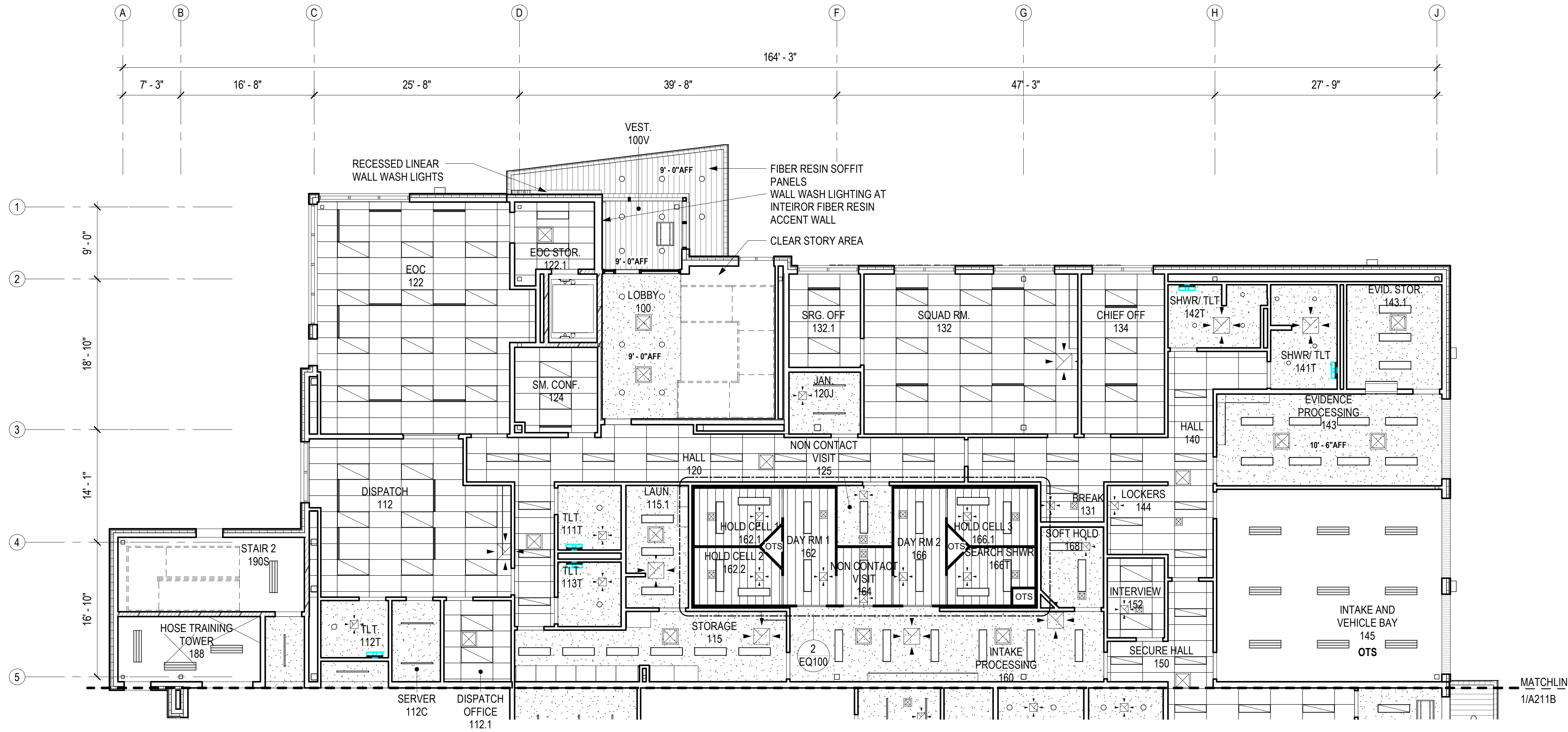
NOT FOR CONSTRUCTION

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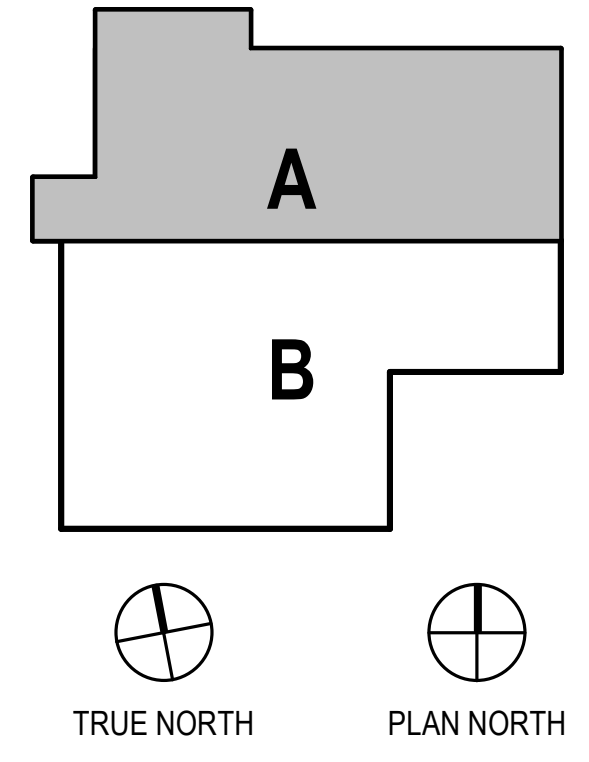
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1 FIRST FLOOR - RCP - BLOCK A  
A211A 1/8" = 1'-0"



**REFLECTED CEILING PLAN LEGEND**

- GYP
- ACT
- FIBER RESIN SOFFIT PANEL
- OTS OPEN TO STRUCTURE
- TYPICAL LIGHT FIXTURES, SEE ELECTRICAL
- DIFFUSERS, SEE MECHANICAL
- ACCESS DOOR
- MATCHLINE



HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA  
65% PRICING SET

CONSULTANT:

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FIRST FLOOR REFLECTED CEILING PLAN - BLOCK A

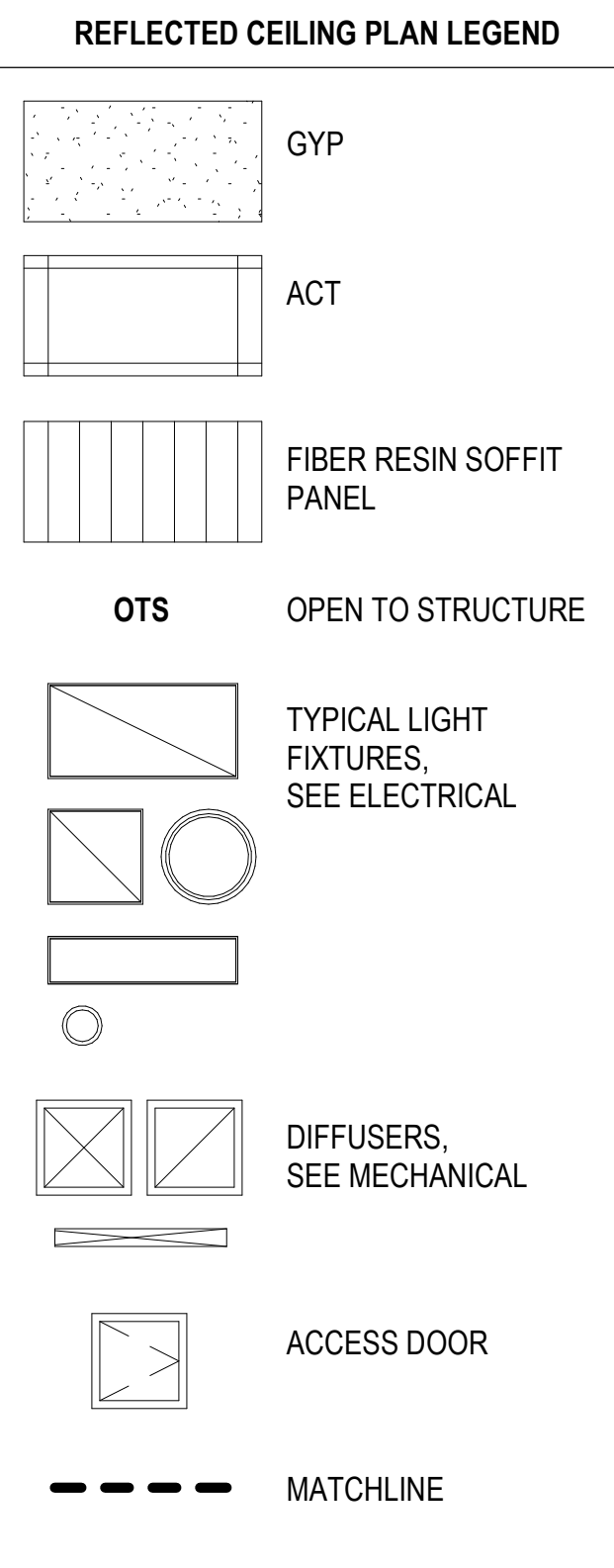
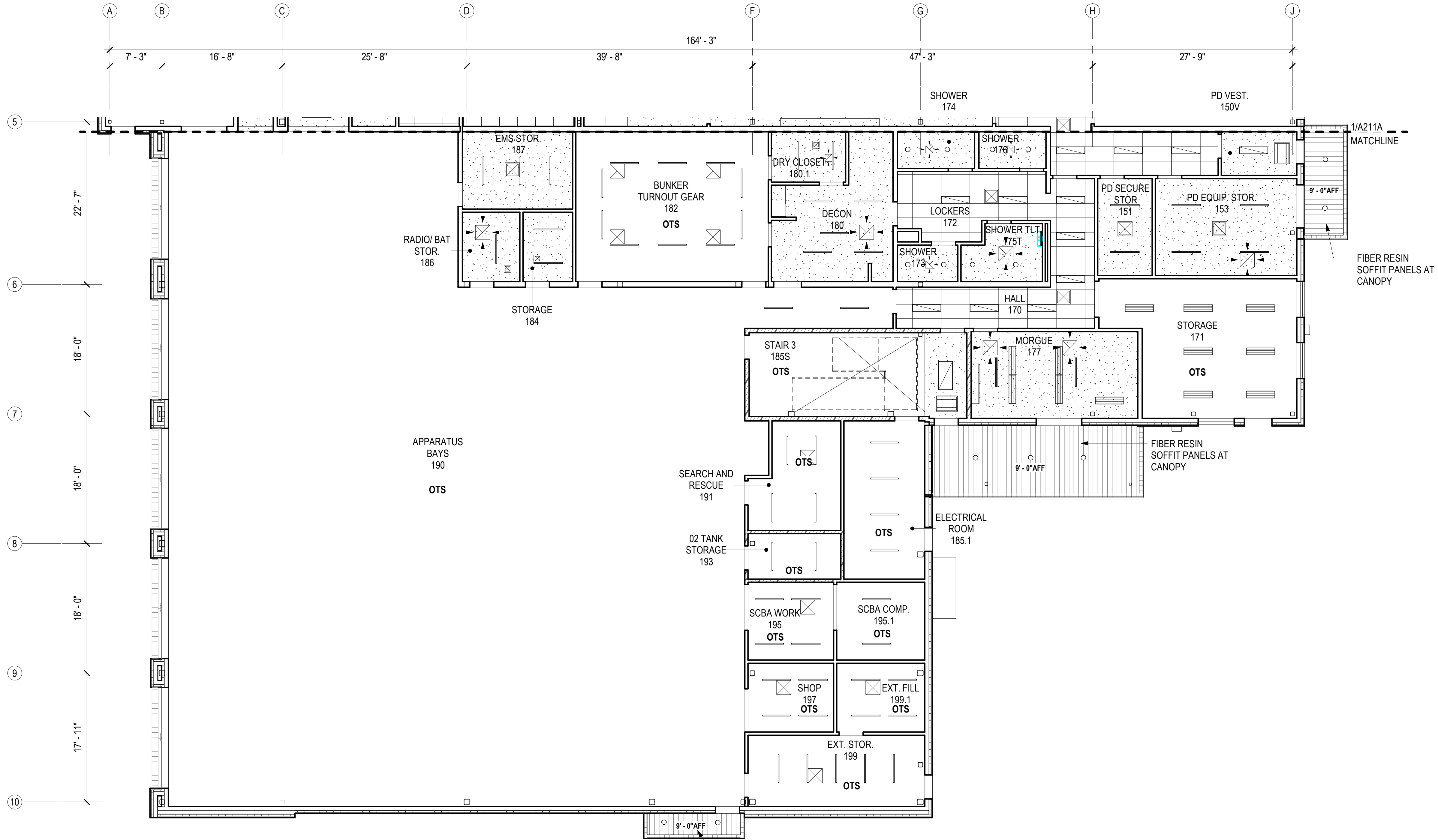
**A211A**

NOT FOR CONSTRUCTION

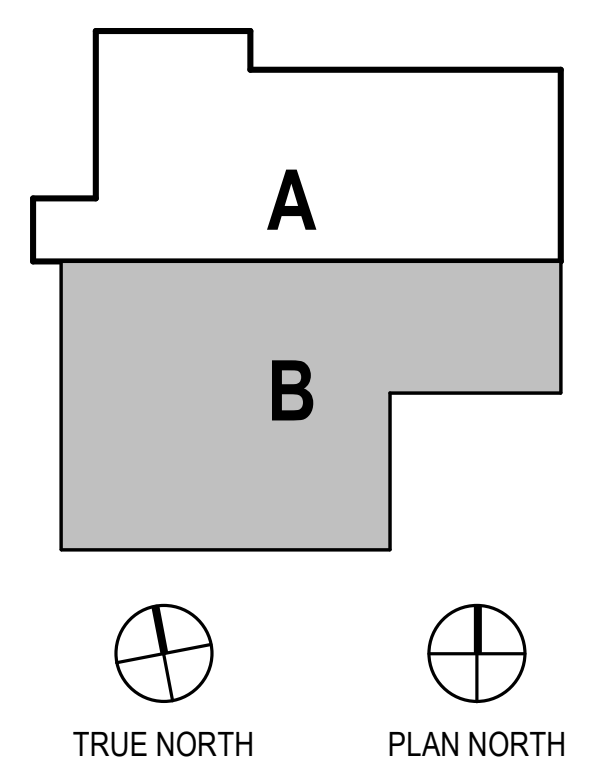
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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1 FIRST FLOOR - RCP - BLOCK B  
A211B 1/8" = 1'-0"



CONSULTANT:

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FIRST FLOOR REFLECTED CEILING PLAN - BLOCK B

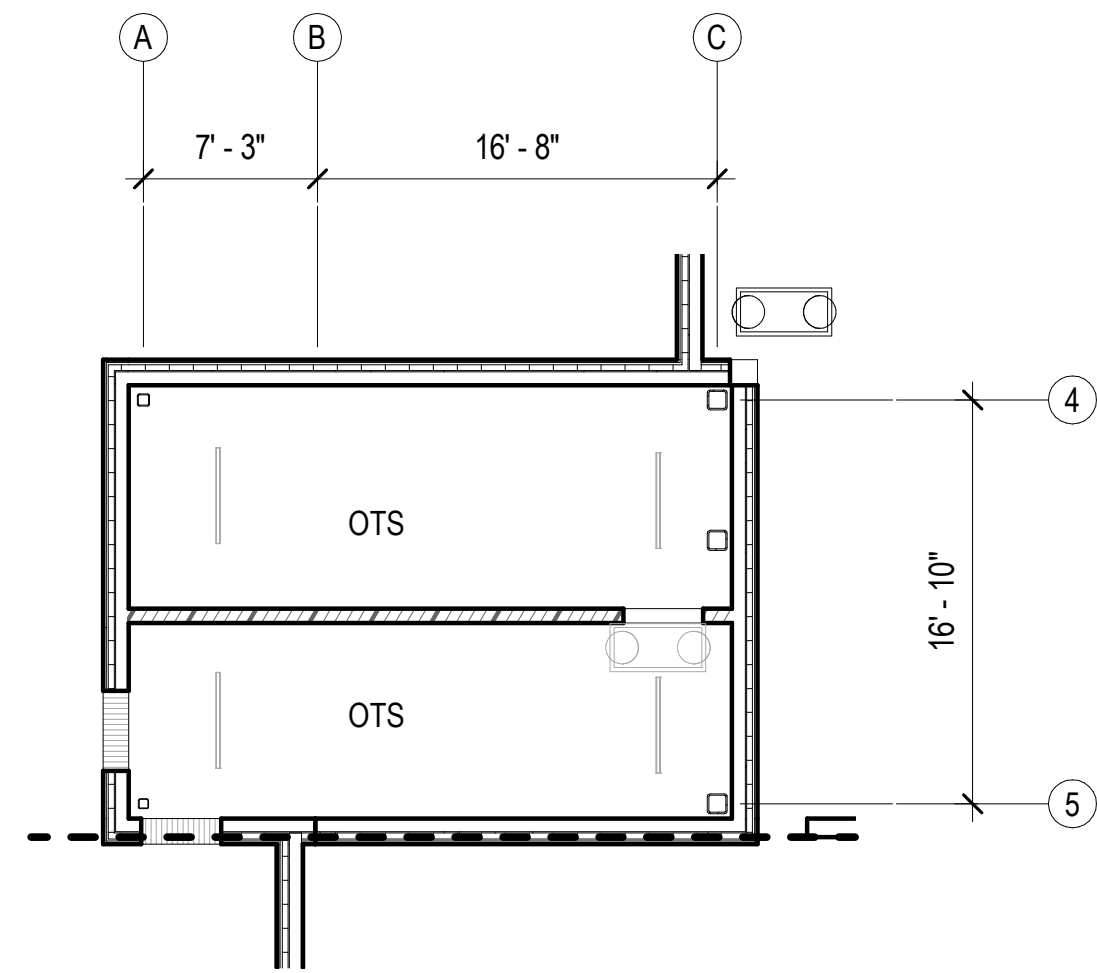
**A211B**  
BETTISWORTH NORTH ARCHITECTS & PLANNERS

NOT FOR CONSTRUCTION

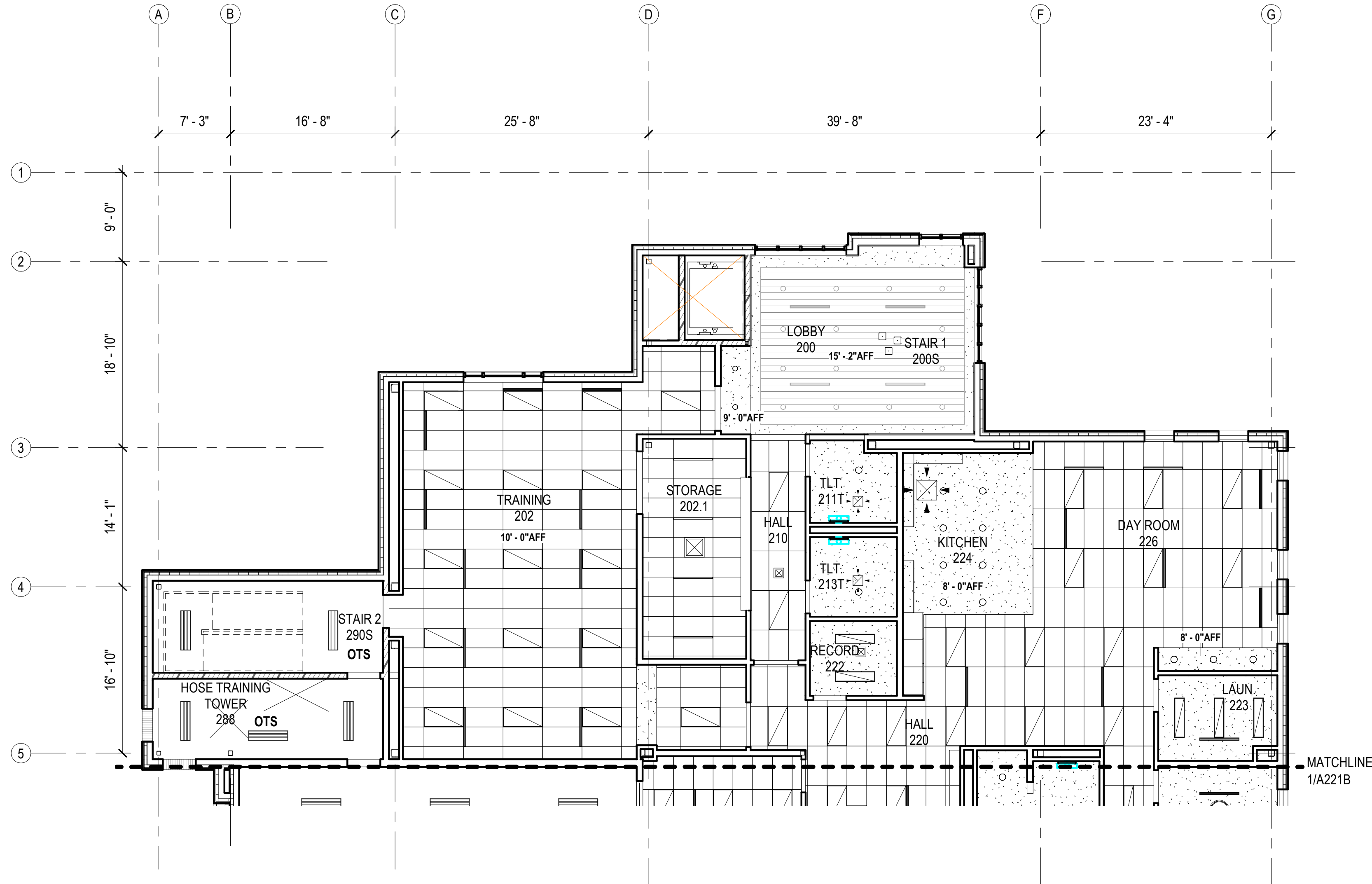
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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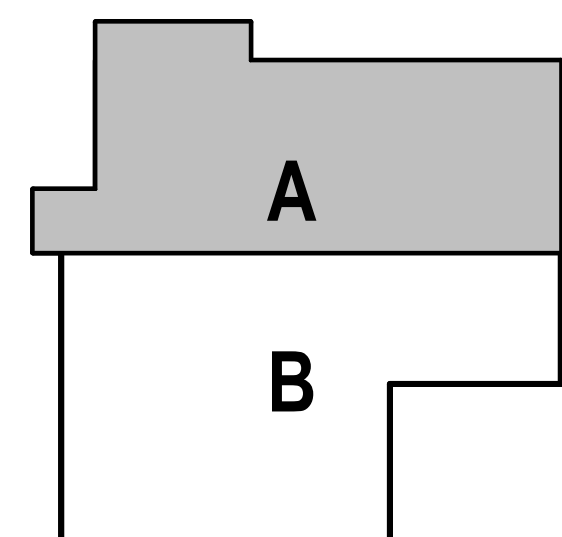
2 THIRD FLOOR- RCP  
A221A 1/8" = 1'-0"



1 SECOND FLOOR- RCP - BLOCK A  
A221A 1/8" = 1'-0"

REFLECTED CEILING PLAN LEGEND

- GYP
- ACT
- FIBER RESIN SOFFIT PANEL
- OTS OPEN TO STRUCTURE
- TYPICAL LIGHT FIXTURES, SEE ELECTRICAL
- DIFFUSERS, SEE MECHANICAL
- ACCESS DOOR
- MATCHLINE



CONSULTANT:

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DATE: 2022-08-25  
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SECOND FLOOR REFLECTED CEILING PLAN - BLOCK A

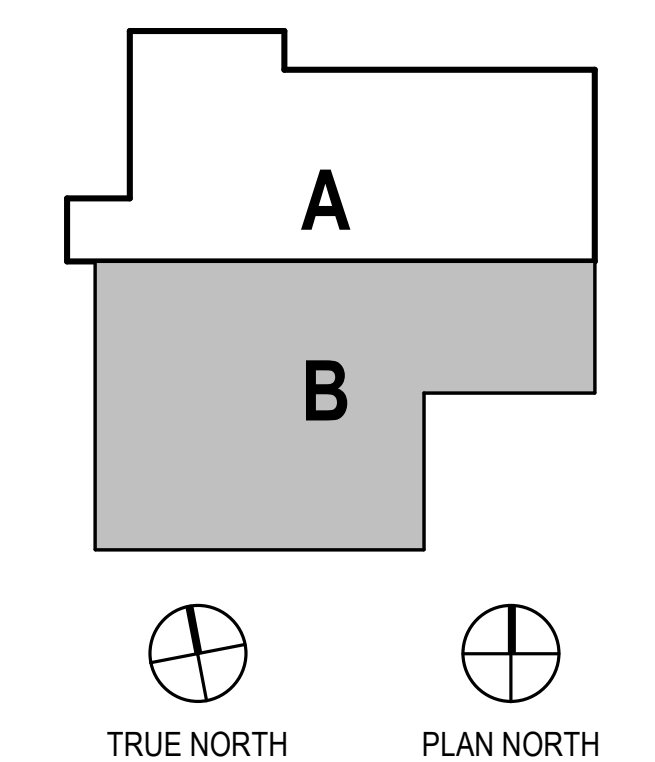
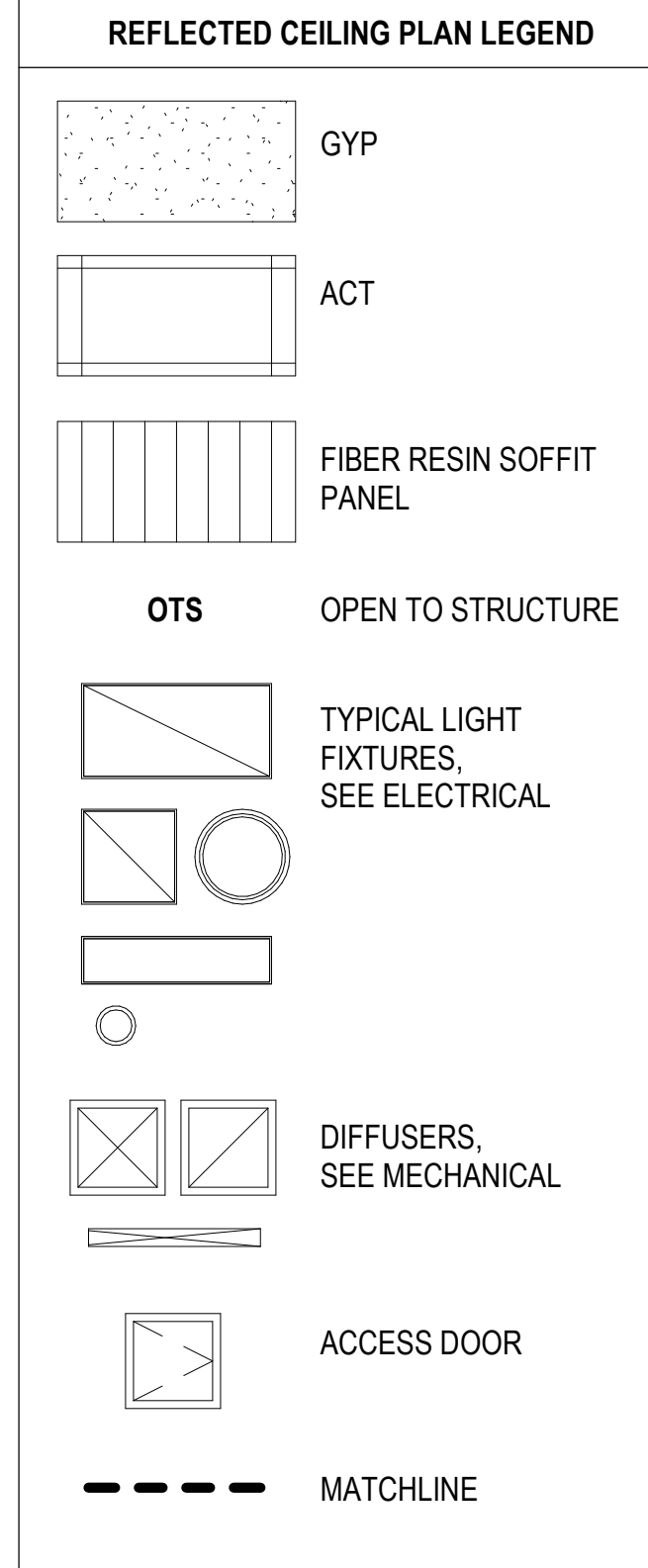
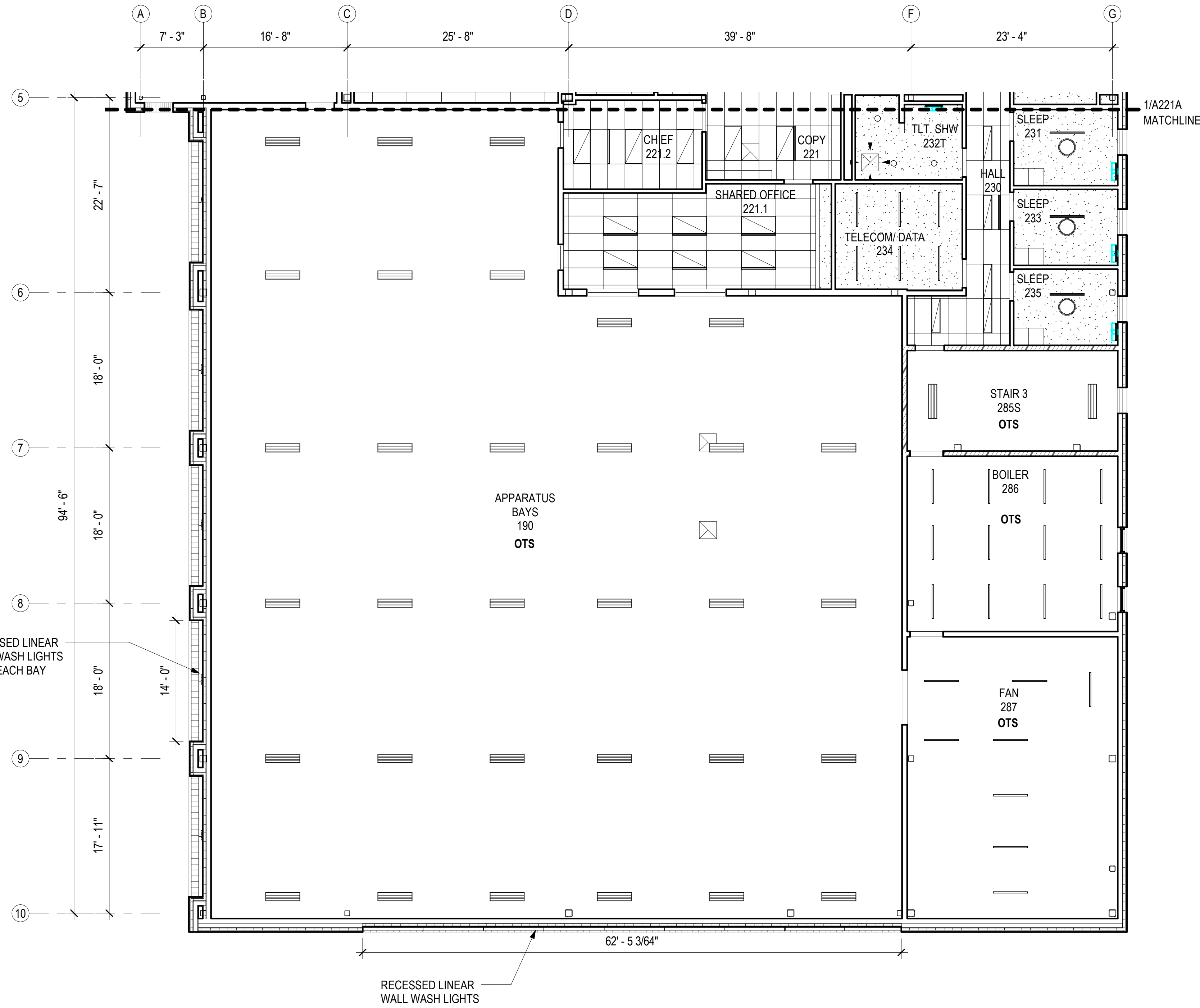
**A221A**

NOT FOR CONSTRUCTION

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**1** SECOND FLOOR- RCP - BLOCK B  
A221B 1/8" = 1'-0"

CONSULTANT:

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DATE: 2022-08-25  
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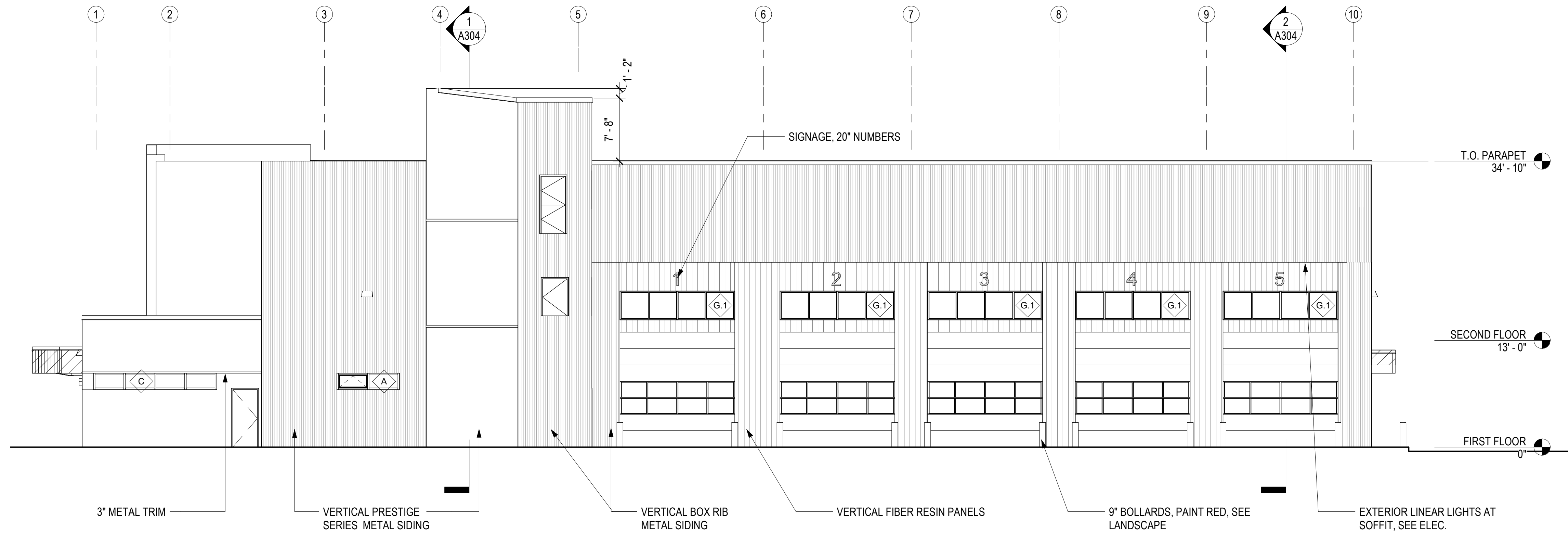
REVISION	DESCRIPTION	DATE



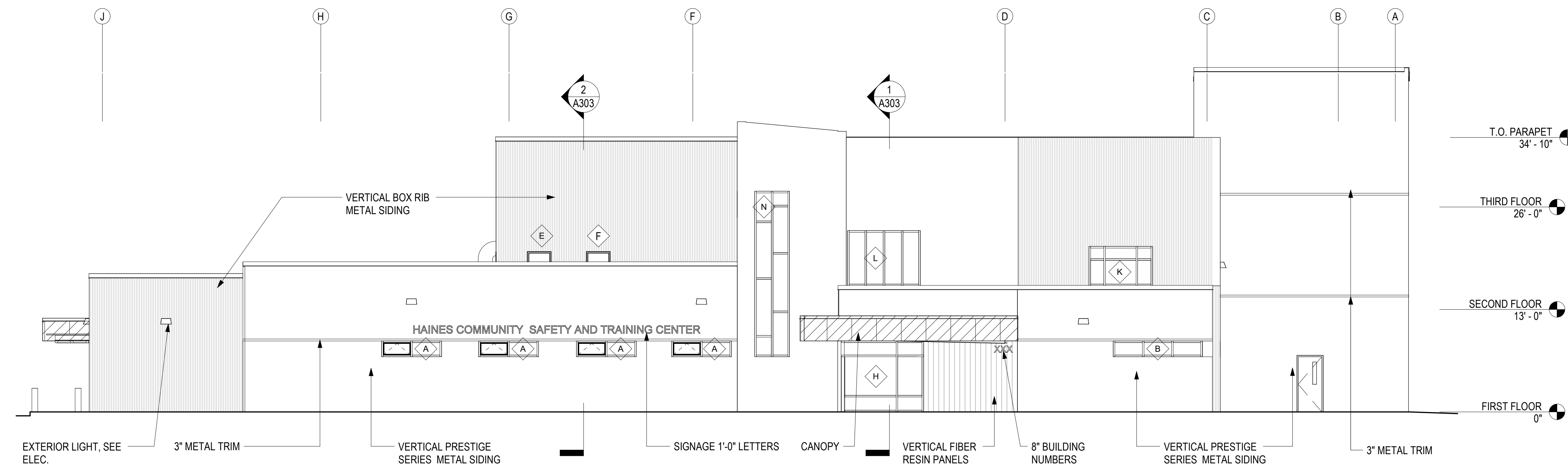
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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1 WEST ELEVATION  
A301 1/8" = 1'-0"



2 NORTH ELEVATION  
A301 1/8" = 1'-0"

EXTERIOR FINISH LEGEND

- EF-1, VERTICAL METAL SIDING, APESPAN- PRESTIGE SERIES, 20 GA. VARIATION OF 4 PROFILES. CONCEALED FASTENER SYSTEM. COLOR: REGAL WHITE
- EF-2, VERTICAL METAL SIDING, APESPAN- BOX RIB, EXPOSED FASTENER SYSTEM. COLOR: MATTE BLACK
- EF-3, 8" FIBER RESIN SIDING, STONEWOOD, RUNNING BOND. EXPOSED FASTENER SYSTEM. COLOR: SHADWELL OAK
- EF-4, FIBER RESIN SIDING, STONEWOOD, EXPOSED FASTENER SYSTEM. COLOR: CUSTOM STUDIO LIGHT GREEN
- EF-5, FIBER RESIN SIDING, STONEWOOD, EXPOSED FASTENER SYSTEM. COLOR: BLACK

CONSULTANT:

PROJECT NO: 20-130  
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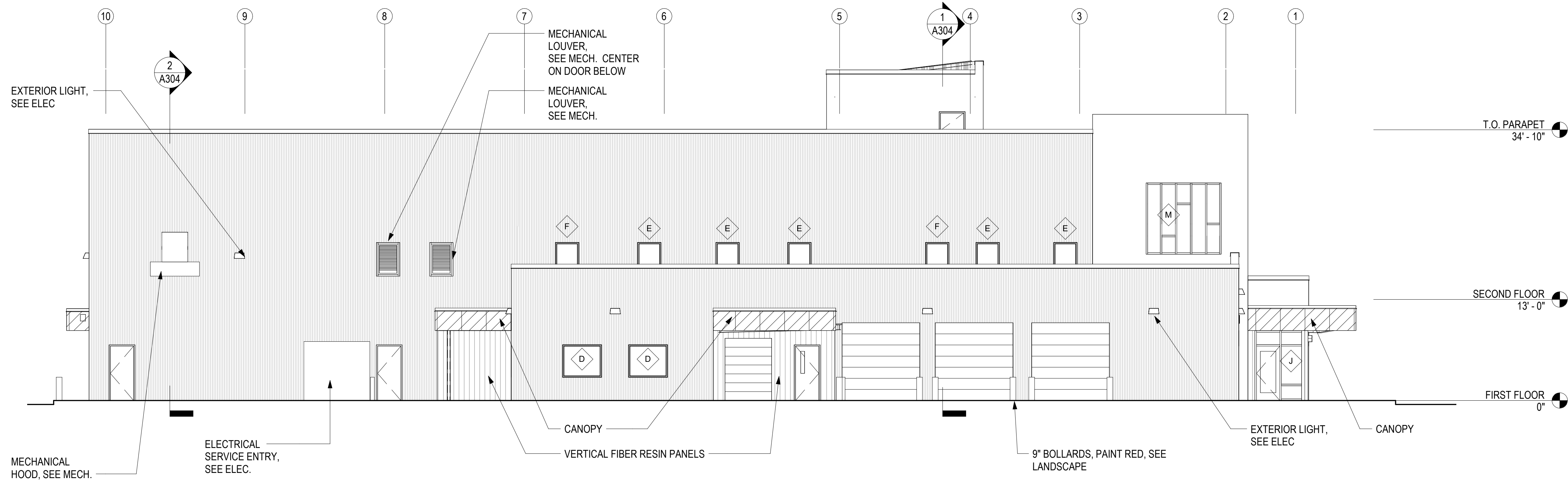
EXTERIOR ELEVATIONS

**A301**

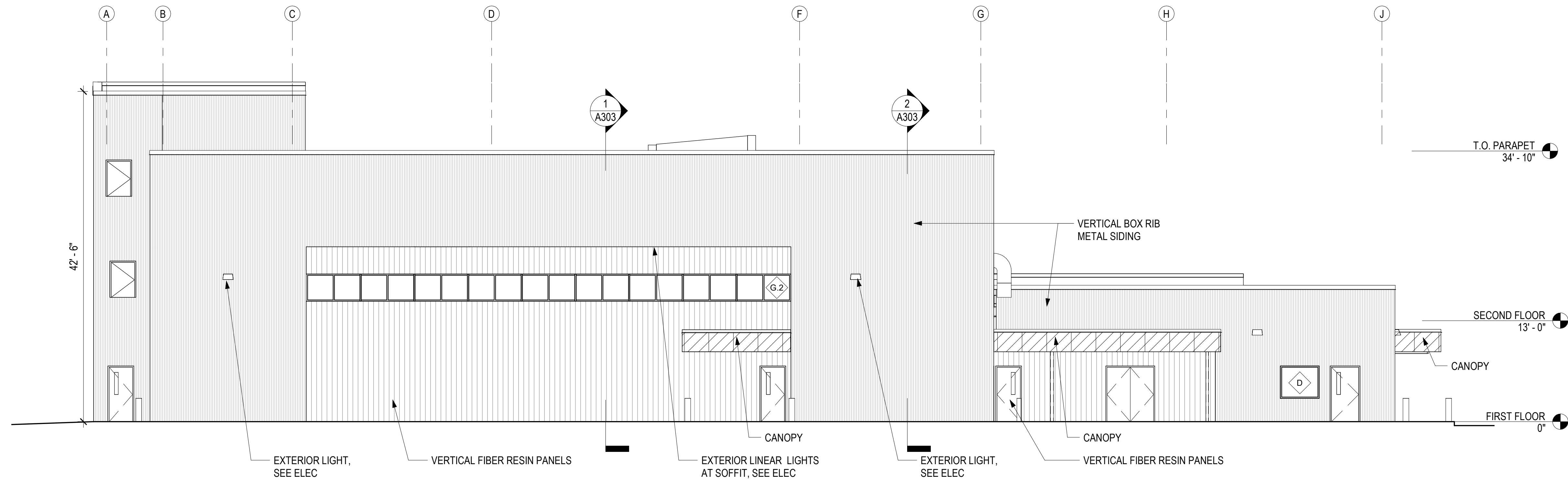
NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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1 EAST ELEVATION  
A302 1/8" = 1'-0"



2 SOUTH ELEVATION  
A302 1/8" = 1'-0"

EXTERIOR FINISH LEGEND

- EF-1, VERTICAL METAL SIDING, APESPAN- PRESTIGE SERIES, 20 GA. VARIATION OF 4 PROFILES. CONCEALED FASTENER SYSTEM. COLOR: REGAL WHITE
- EF-2, VERTICAL METAL SIDING, APESPAN- BOX RIB, EXPOSED FASTENER SYSTEM. COLOR: MATTE BLACK
- EF-3, 8" FIBER RESIN SIDING, STONEWOOD, RUNNING BOND. EXPOSED FASTENER SYSTEM. COLOR: SHADWELL OAK
- EF-4, FIBER RESIN SIDING, STONEWOOD, EXPOSED FASTENER SYSTEM. COLOR: CUSTOM STUDIO LIGHT GREEN
- EF-5, FIBER RESIN SIDING, STONEWOOD, EXPOSED FASTENER SYSTEM. COLOR: BLACK

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
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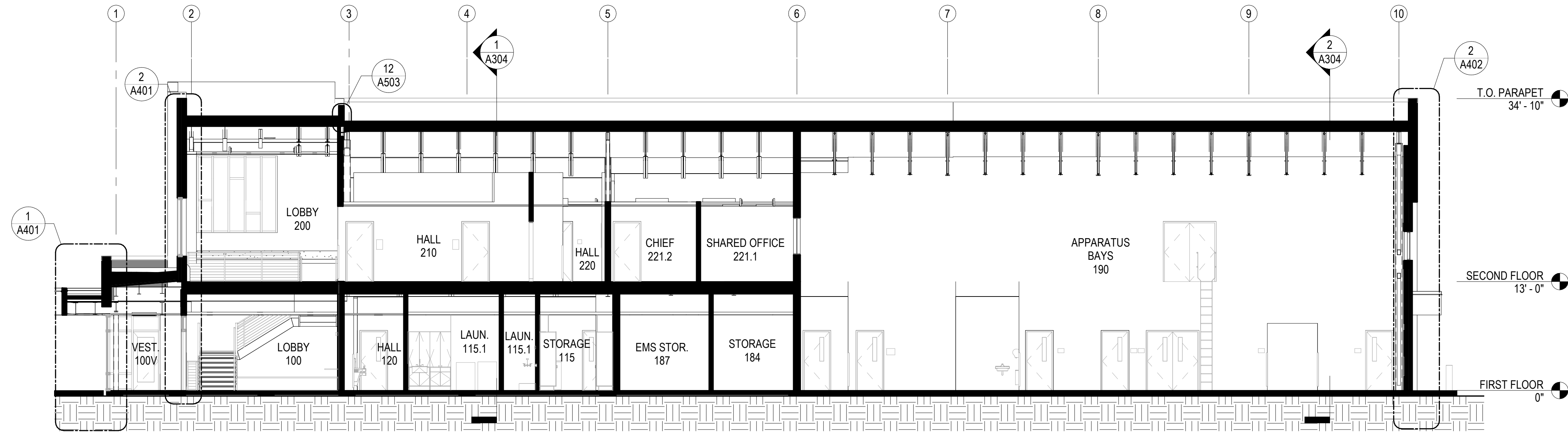
EXTERIOR ELEVATIONS  
**A302**

NOT FOR CONSTRUCTION

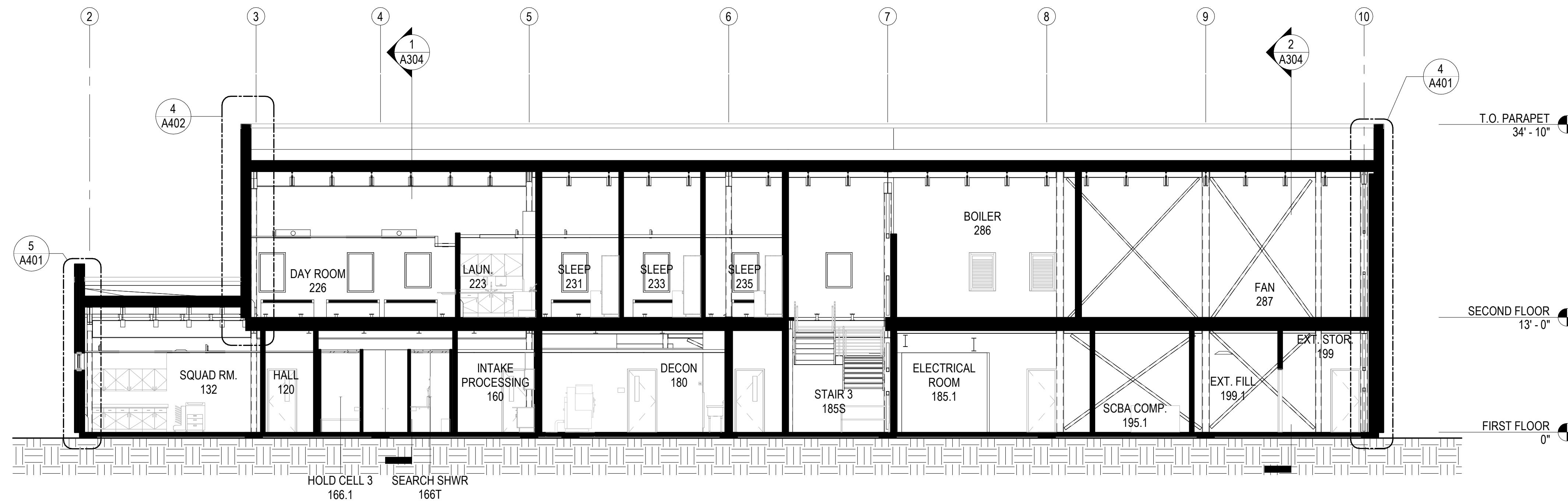
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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**1 BUILDING SECTION 1**  
A303 1/8" = 1'-0"



**2 BUILDING SECTION 2**  
A303 1/8" = 1'-0"

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA

65% PRICING SET

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: JN  
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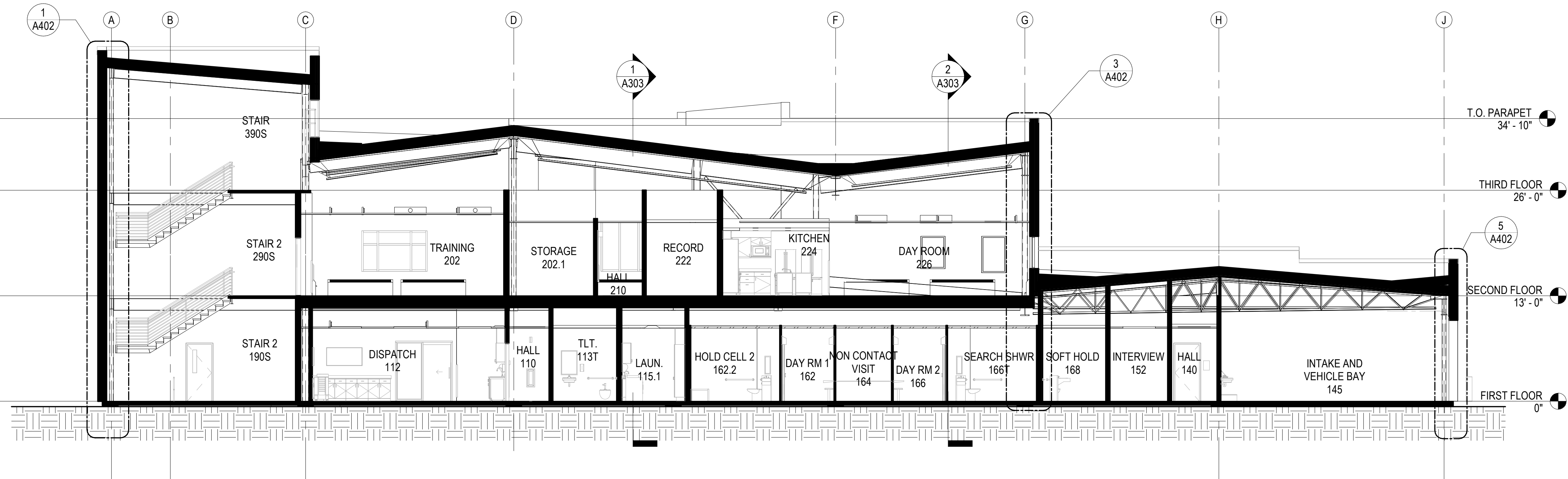
BUILDING SECTIONS  
**A303**

NOT FOR CONSTRUCTION

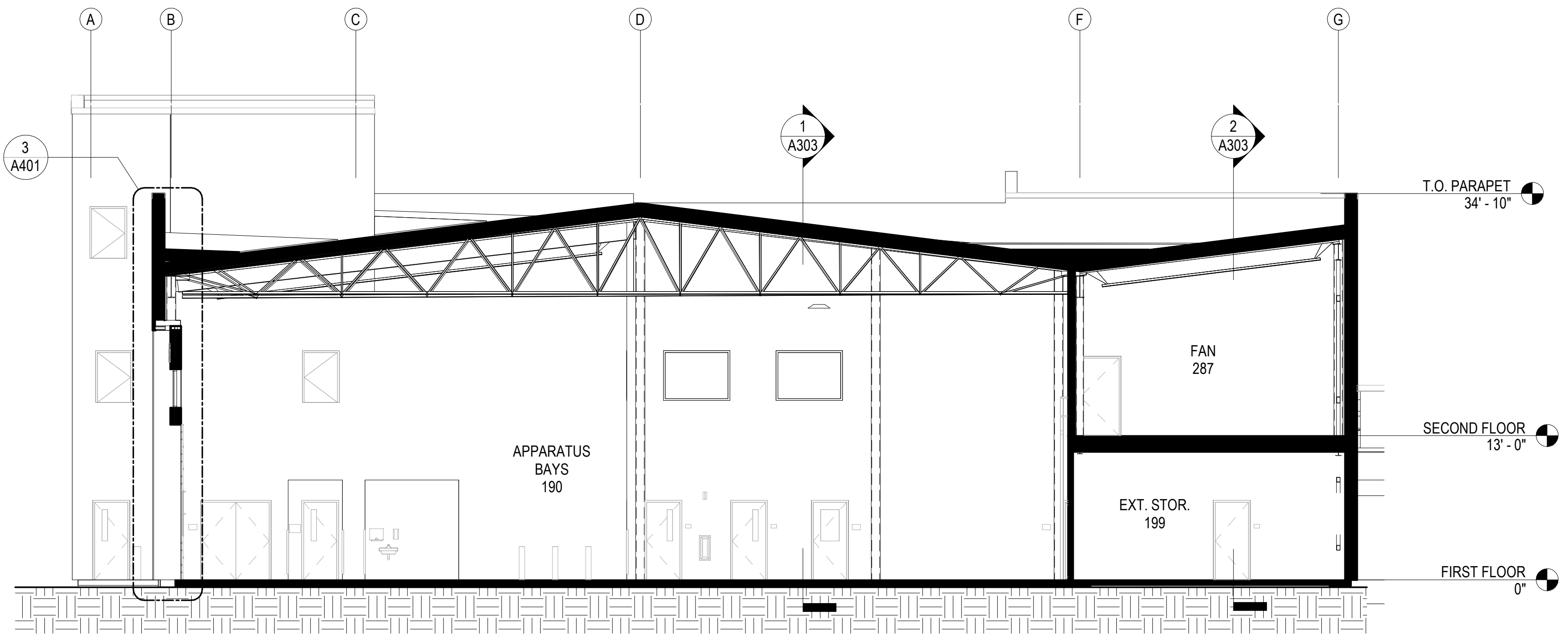
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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1 BUILDING SECTION 3  
1/8" = 1'-0"



2 BUILDING SECTION 4  
1/8" = 1'-0"

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA

65% PRICING SET

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: JN  
CHECKED BY: RR

REVISION	DESCRIPTION	DATE

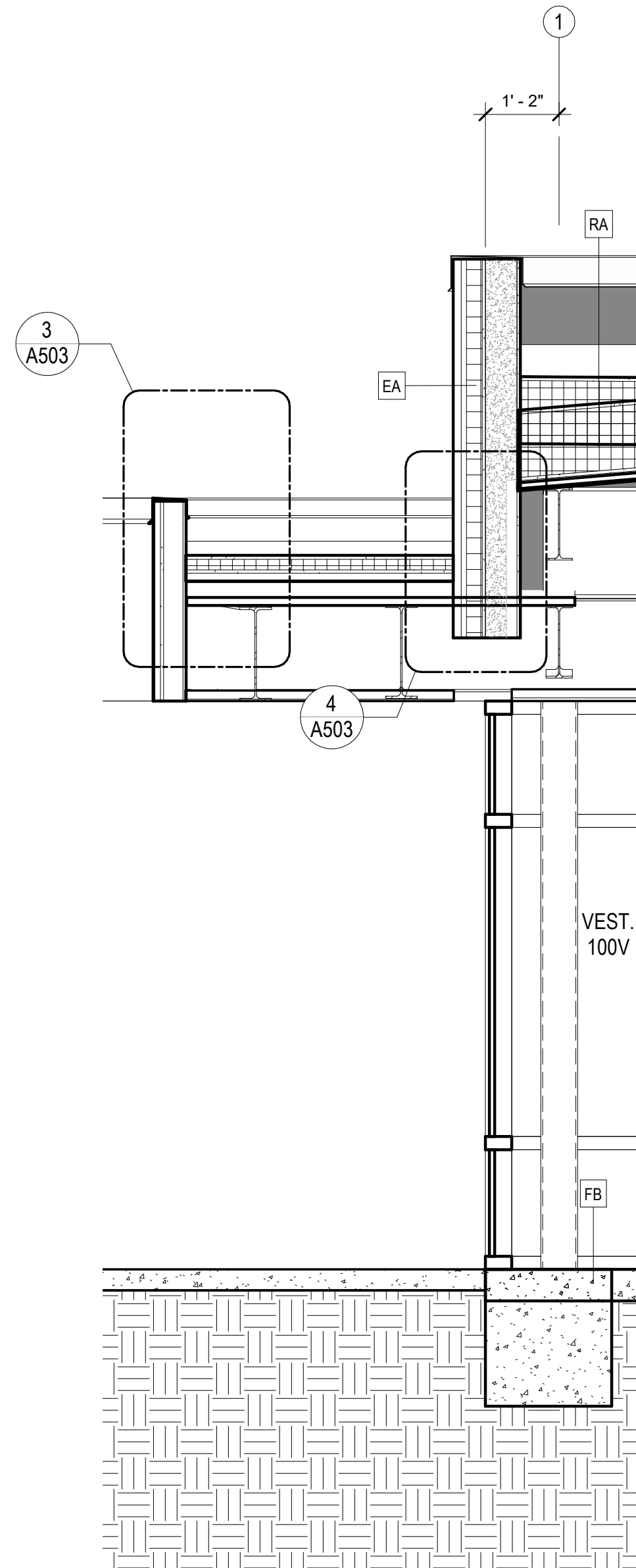
BUILDING SECTIONS  
**A304**

NOT FOR CONSTRUCTION

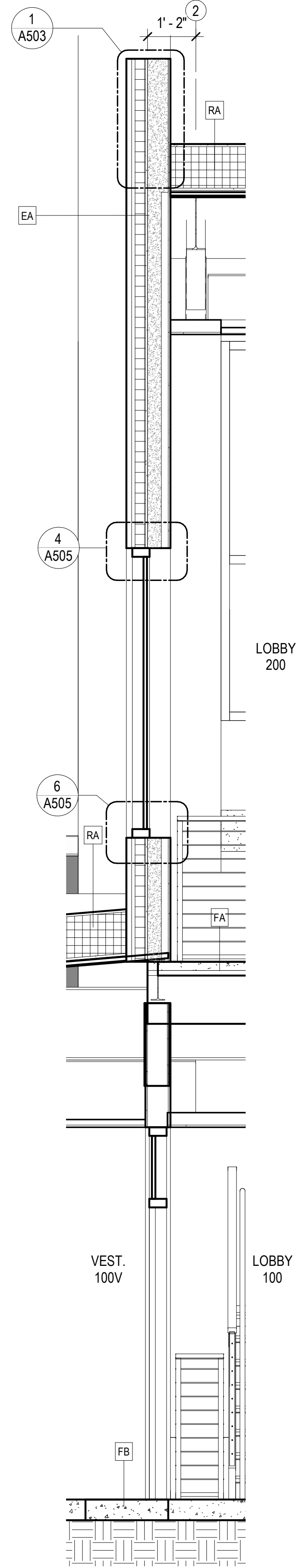
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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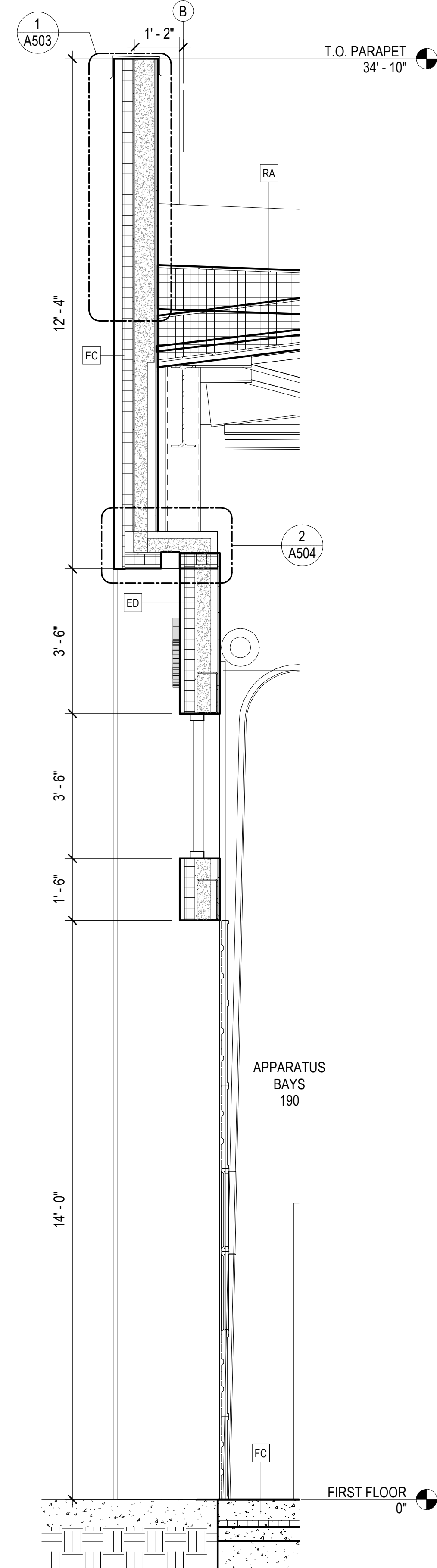
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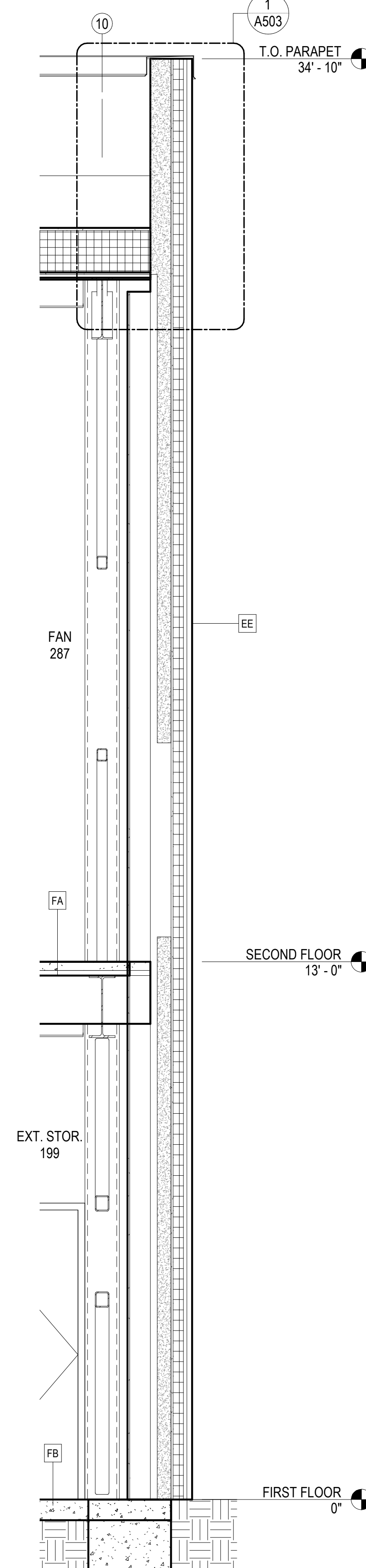
**1**  
A401  
1/2" = 1'-0"  
WALL SECTION AT ENTRY CANOPY



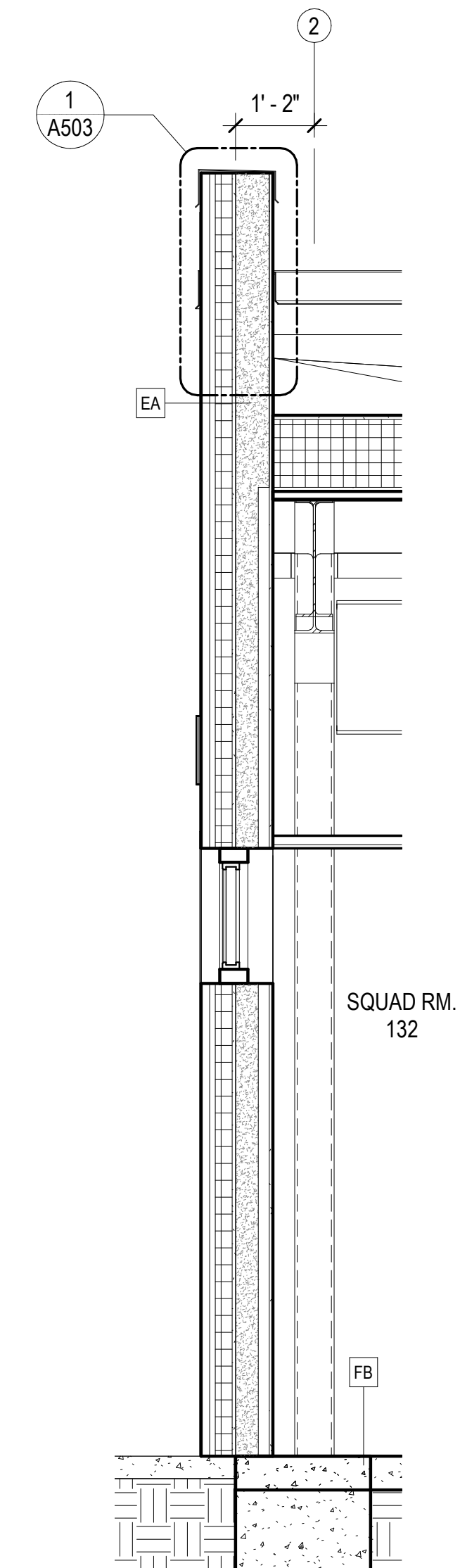
**2**  
A401  
1/2" = 1'-0"  
WALL SECTION AT LOBBY



**3**  
A401  
1/2" = 1'-0"  
WALL SECTION AT APPARATUS BAY DOOR



**4**  
A401  
1/2" = 1'-0"  
WALL SECTION AT HIGH ROOF



**5**  
A401  
1/2" = 1'-0"  
WALL SECTION AT LOW ROOF

CONSULTANT:

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CHECKED BY: RR

REVISION	DESCRIPTION	DATE

NOT FOR CONSTRUCTION

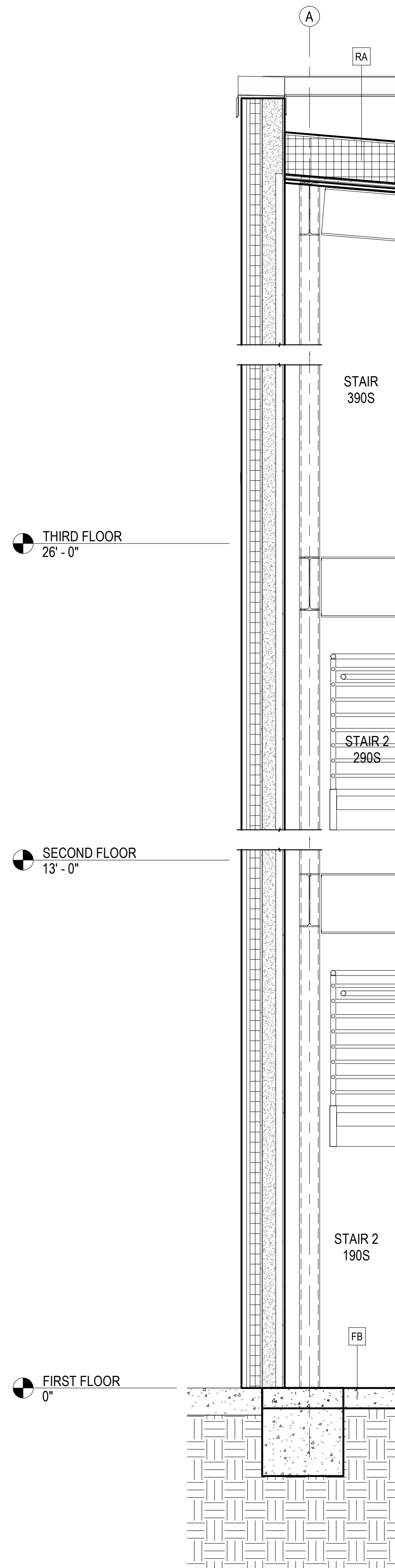
WALL SECTIONS

**A401**

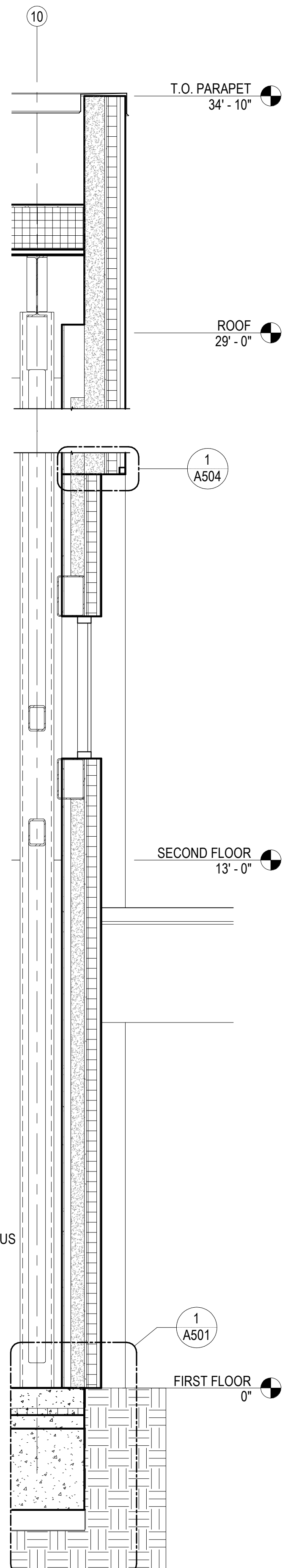
BETTISWORTH NORTH ARCHITECTS & PLANNERS

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

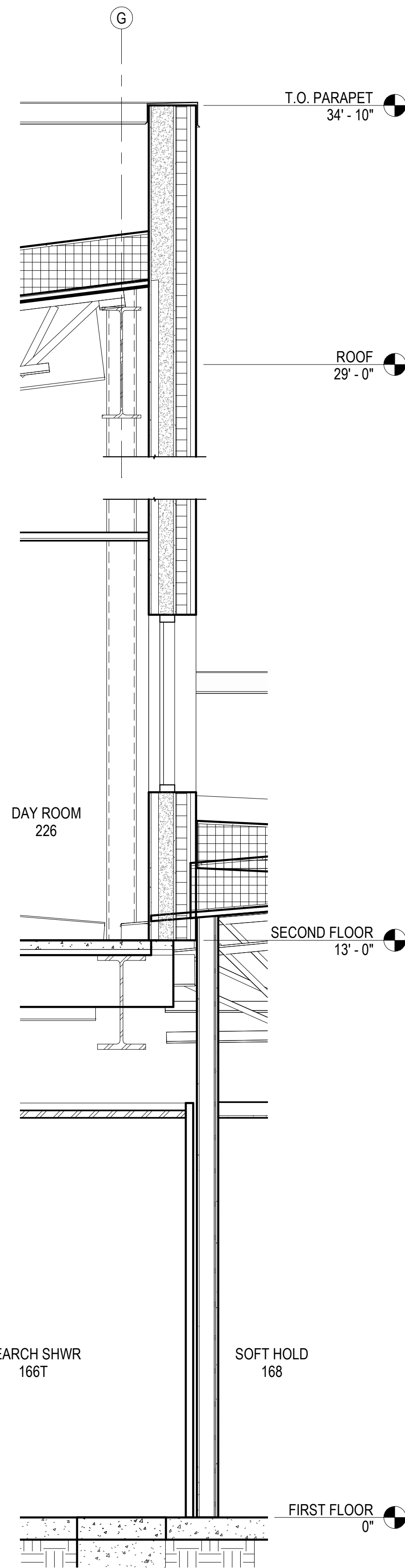
BIM 360/20-130 Haines Public Safety Facility/20-130 HPSF-A-model.rvt 8/24/2022 7:06:51 AM



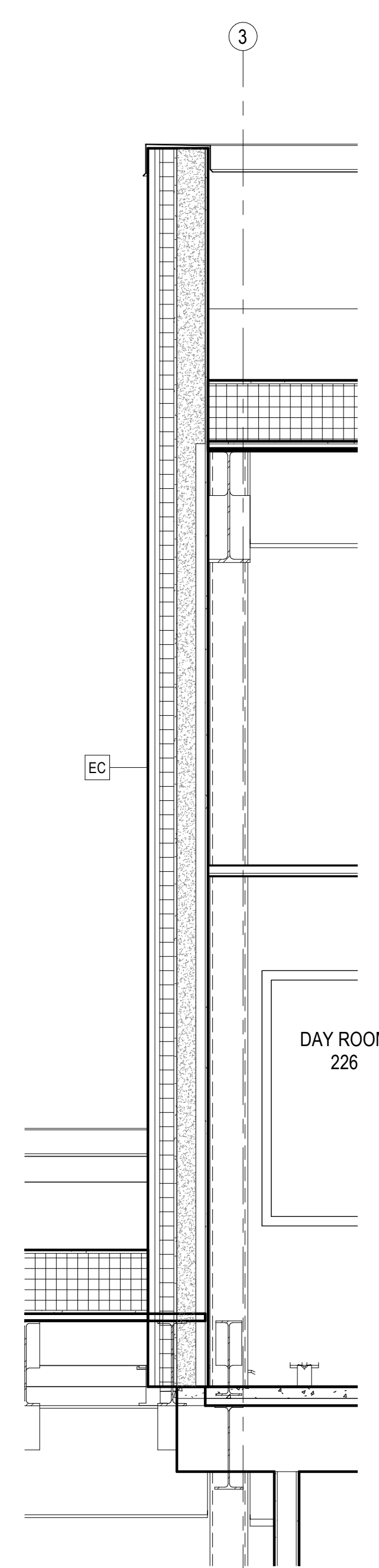
1  
A402 WALL SECTION AT HOSE TOWER STAIR  
1/2" = 1'-0"



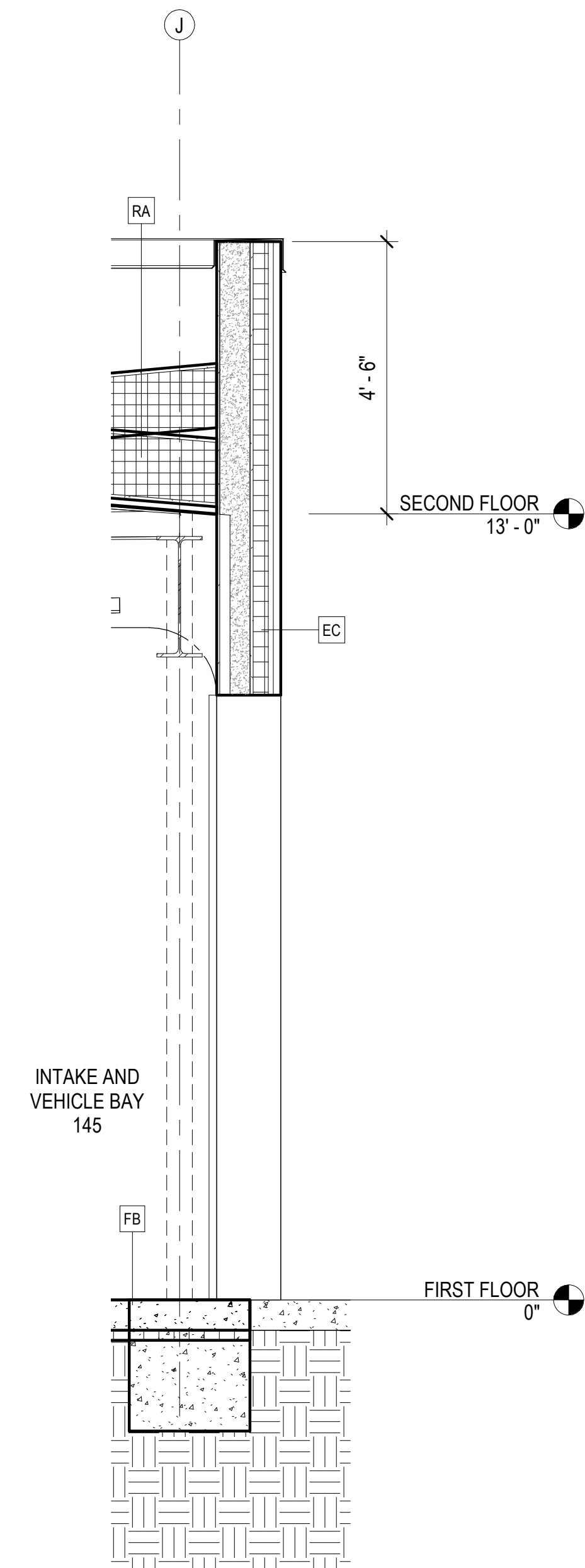
2  
A402 WALL SECTION AT APPARTTUS BAY  
1/2" = 1'-0"



3  
A402 WALL SECTION AT DAY ROOM E  
1/2" = 1'-0"



4  
A402 WALL SECTION AT DAY ROOM N  
1/2" = 1'-0"



5  
A402 WALL SECTION AT VEHICLE BAY DOOR  
1/2" = 1'-0"

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: JN  
CHECKED BY: RR

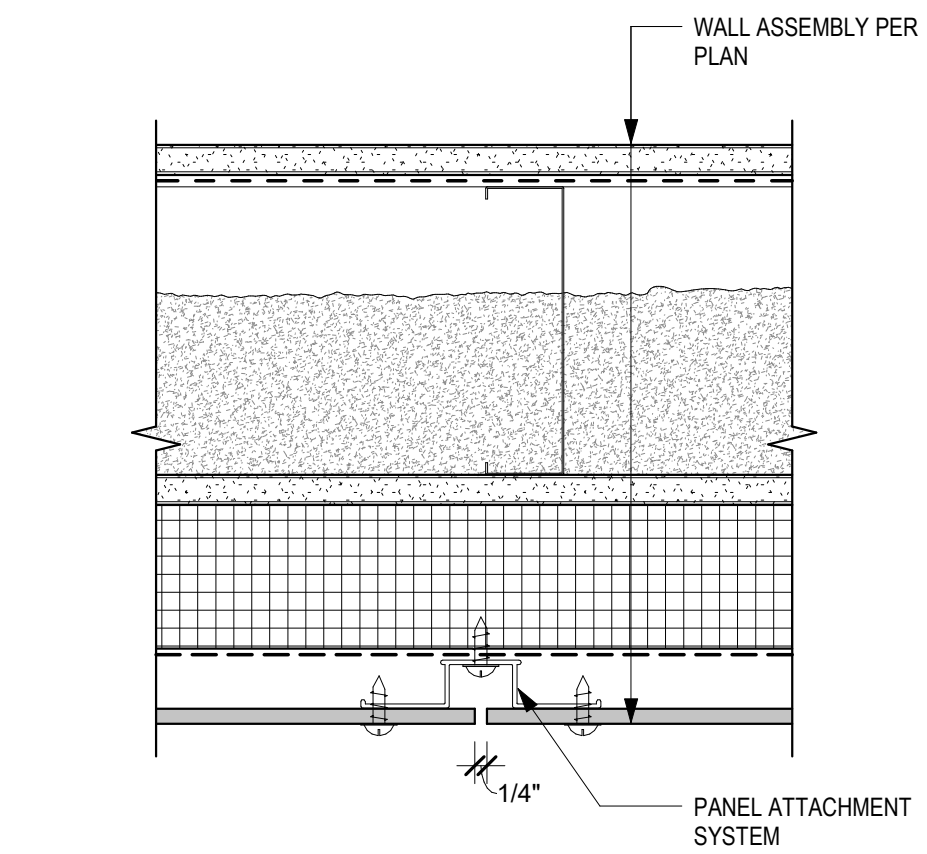
REVISION	DESCRIPTION	DATE

WALL SECTIONS  
**A402**

NOT FOR CONSTRUCTION

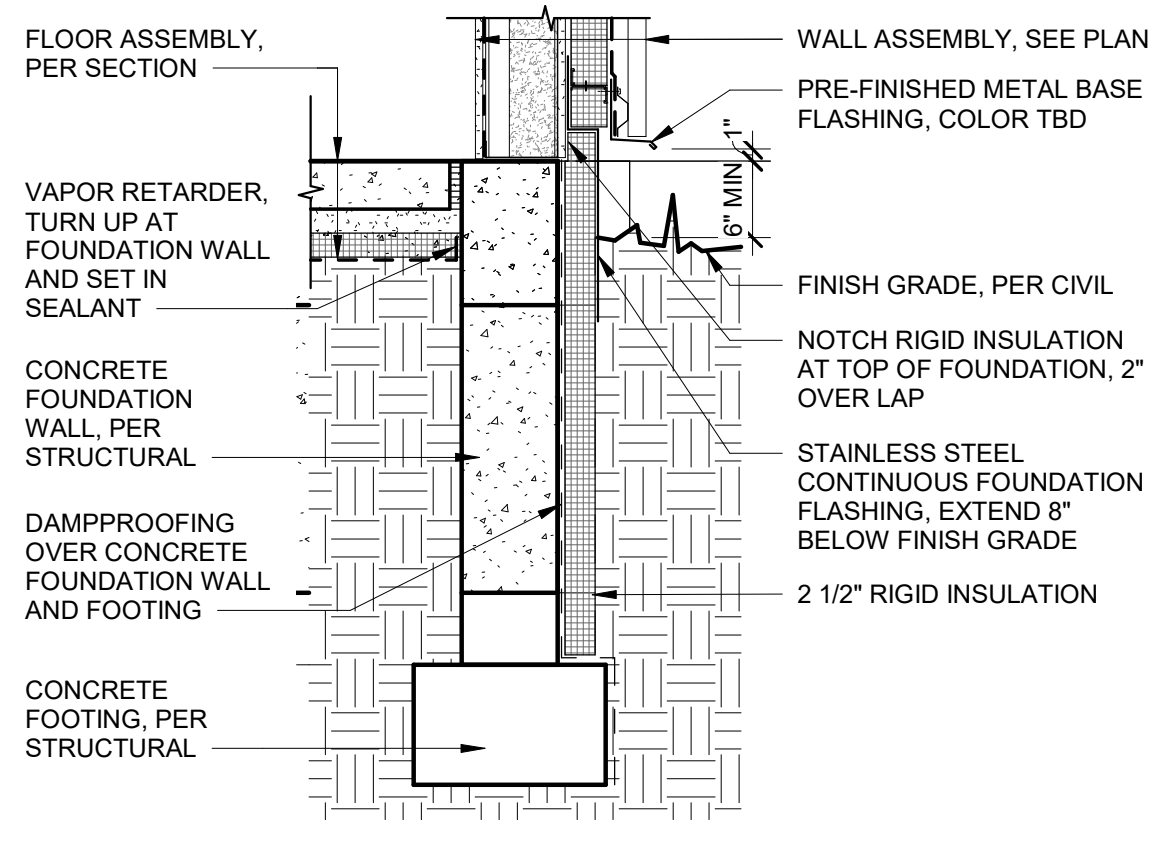
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

8/24/2022 7:06:51 AM BIM 360://20-130 Haines Public Safety Facility/20-130 HPSF-A-model.rvt



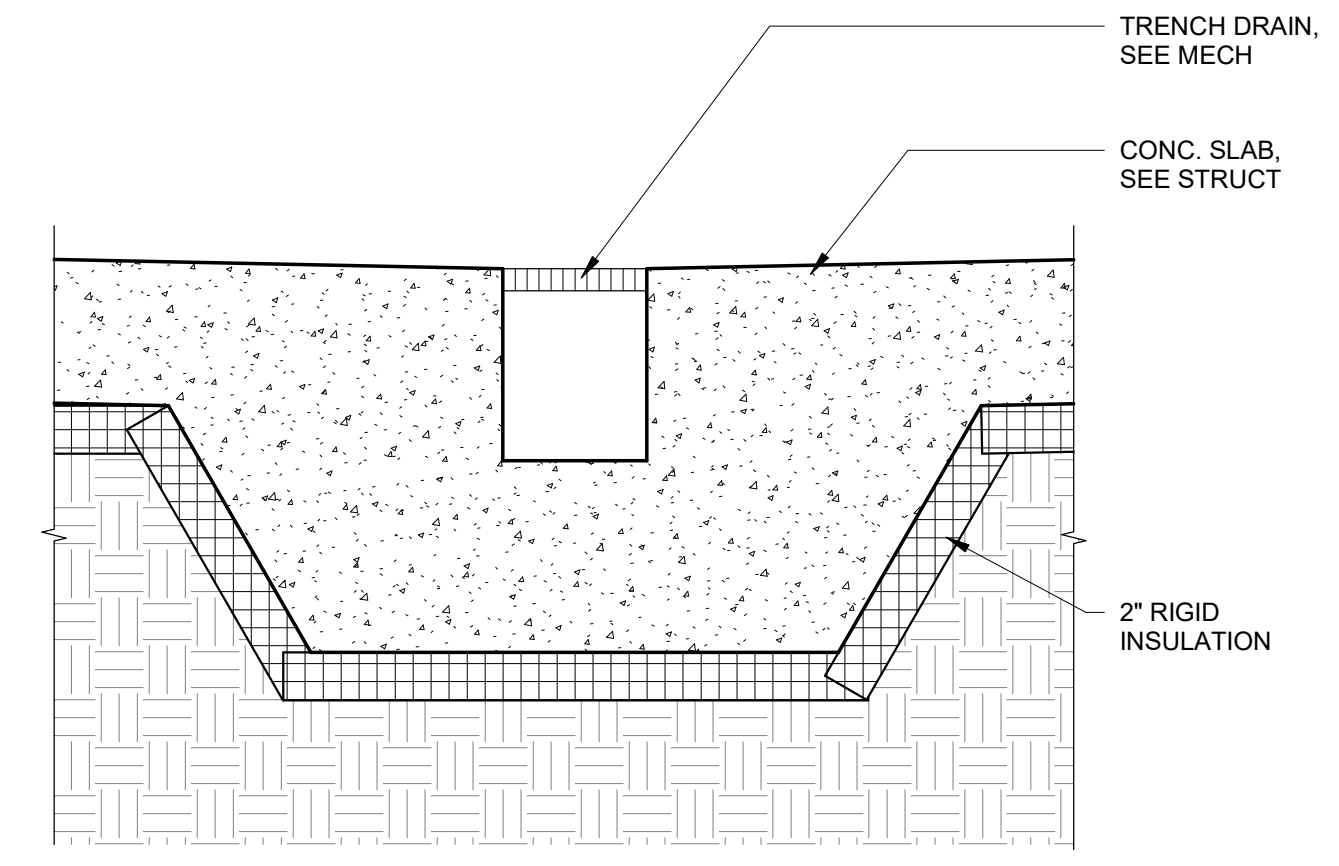
**5**  
A501 3" = 1'-0"

TYP. FIBER RESIN PANEL  
AT VERTICAL REVEAL



**1**  
A501 3/4" = 1'-0"

TYPICAL FOUNDATION WALL



**4**  
A501 1 1/2" = 1'-0"

TRENCH DETAIL

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND  
 TRAINING CENTER**  
 HAINES, ALASKA

CONSULTANT:

PROJECT NO: 20-130  
 DATE: 2022-08-25  
 DRAWN BY: JLL  
 CHECKED BY: RR

REVISION	DESCRIPTION	DATE

EXTERIOR DETAILS -  
 FOUNDATION AND TYPICAL  
 SIDING DETAIL

**A501**

NOT FOR CONSTRUCTION

**BETTISWORTH  
 NORTH**

CORPORATE NO. AECC219 BETTISWORTH.COM

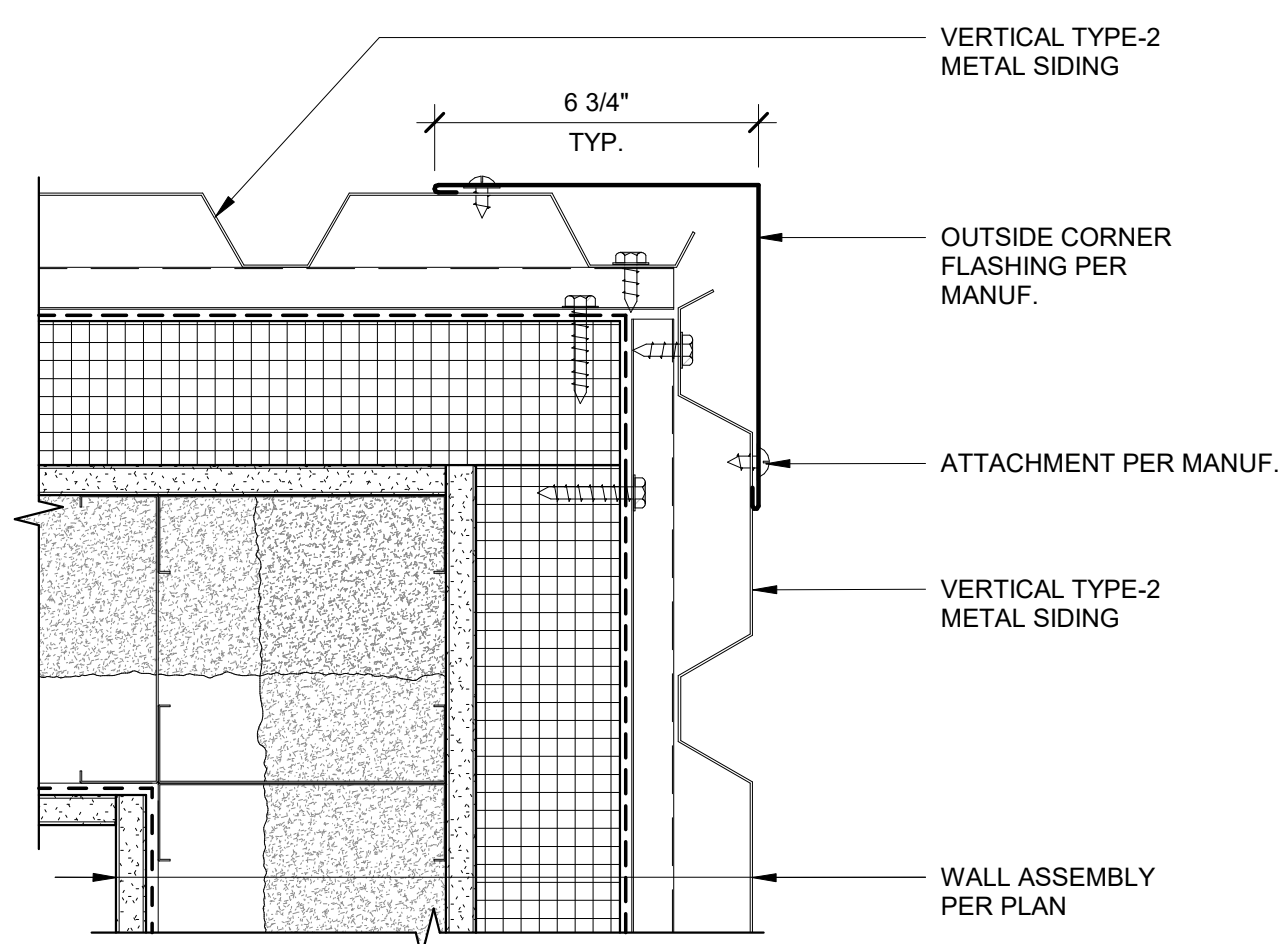
65% PRICING SET

BETTISWORTH NORTH ARCHITECTS & PLANNERS

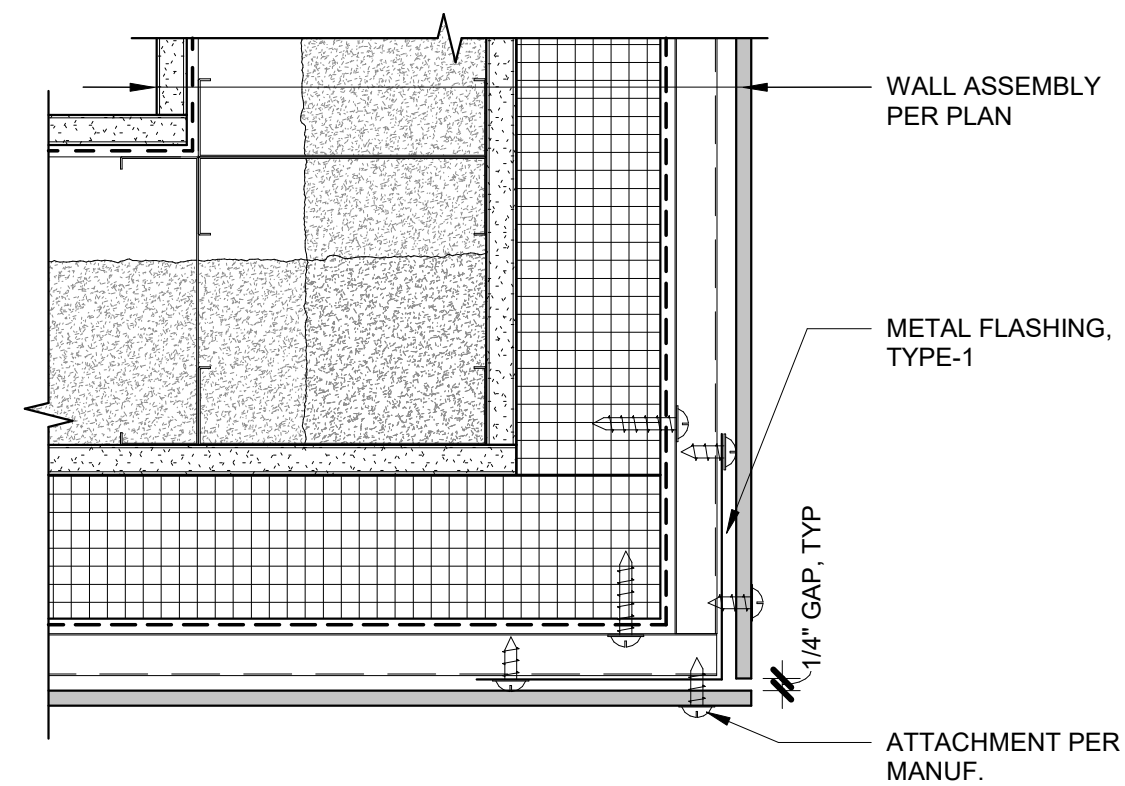
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

BIM 360/20-130 Haines Public Safety Facility/20-130 HPSF-A-model.rvt

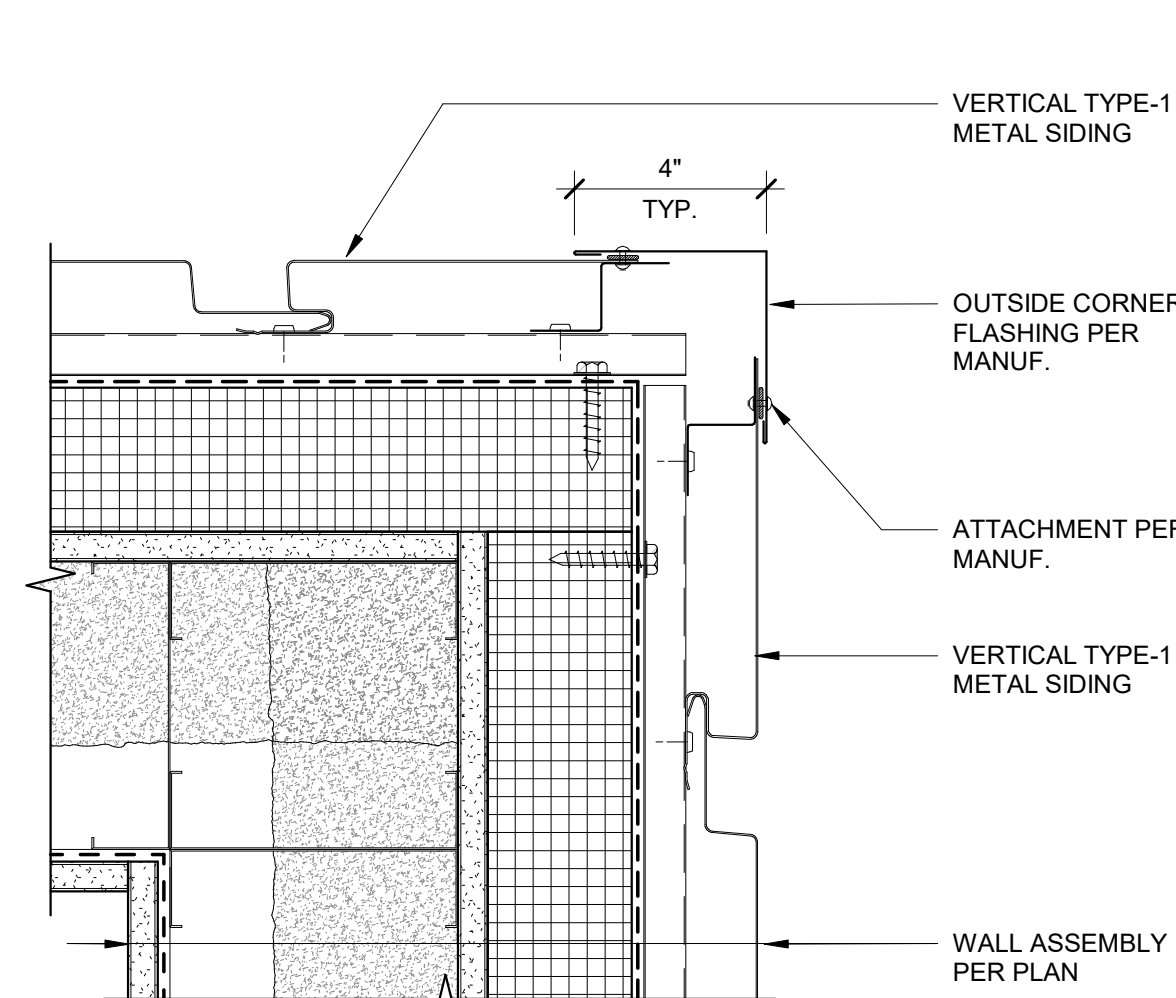
8/24/2022 7:06:53 AM



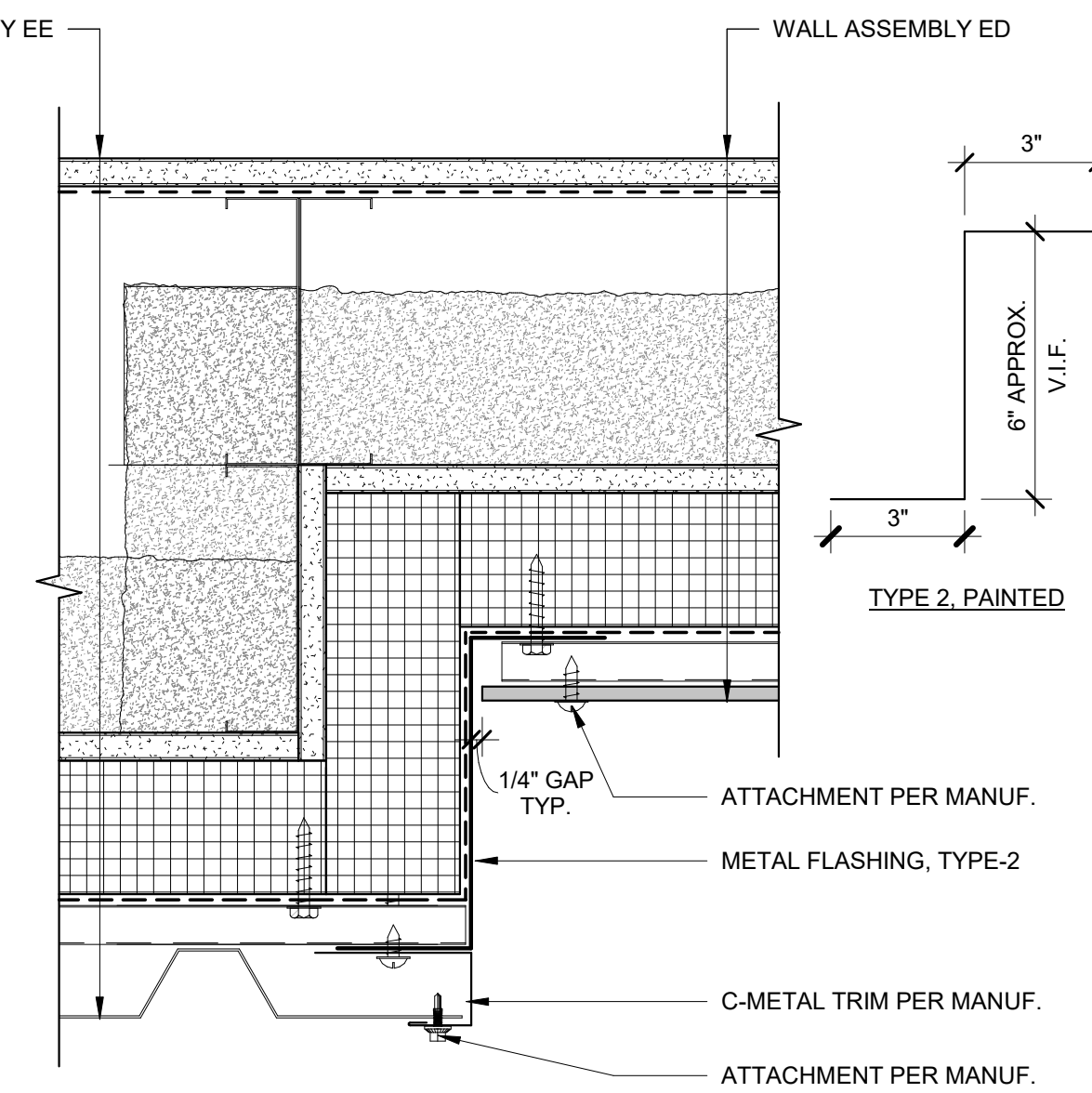
1  
A502 O/S CORNER AT TYPE-2 METAL SIDING  
3" = 1'-0"



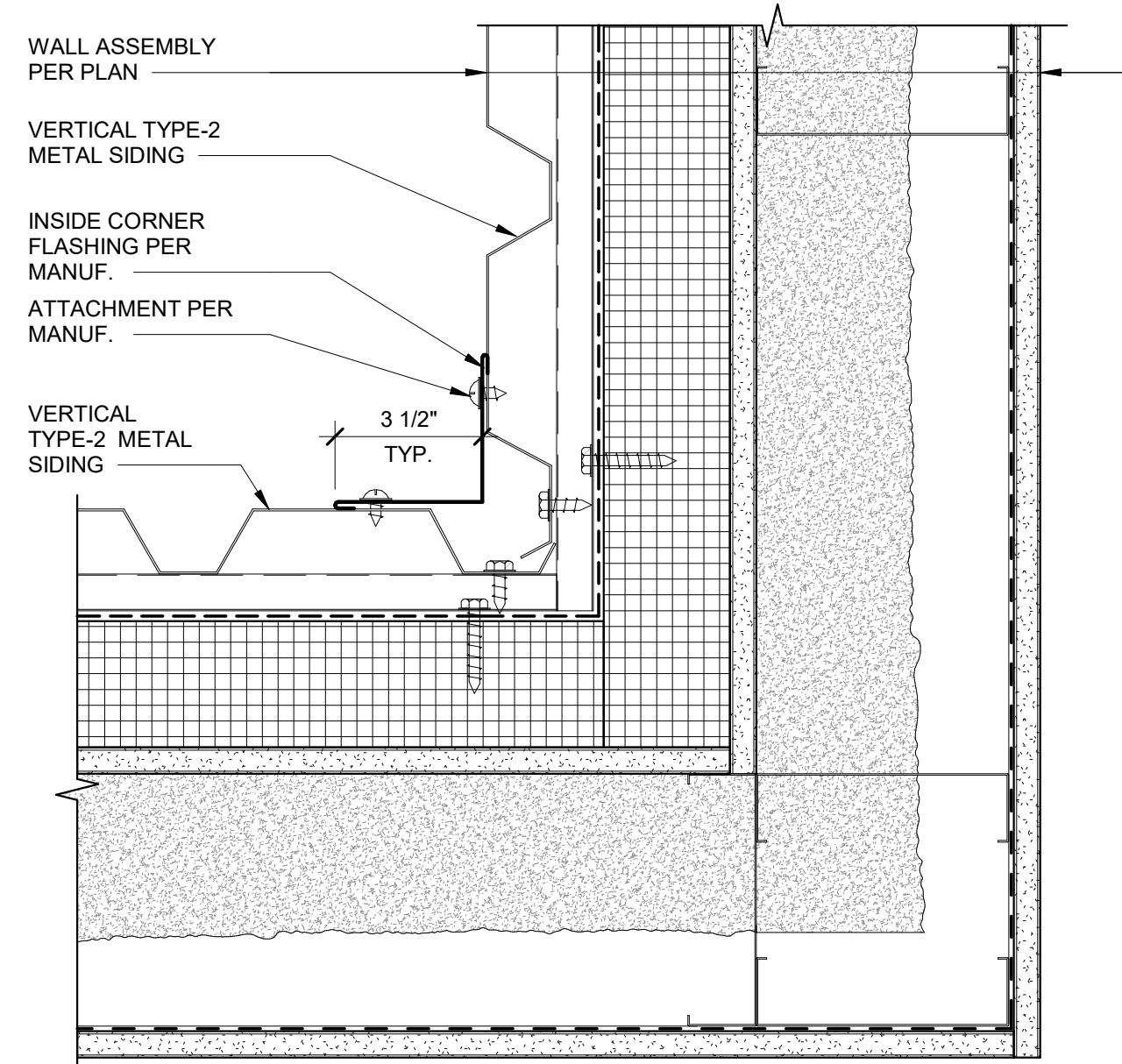
2  
A502 O/S CORNER AT FIBER RESIN TO FIBER RESIN  
3" = 1'-0"



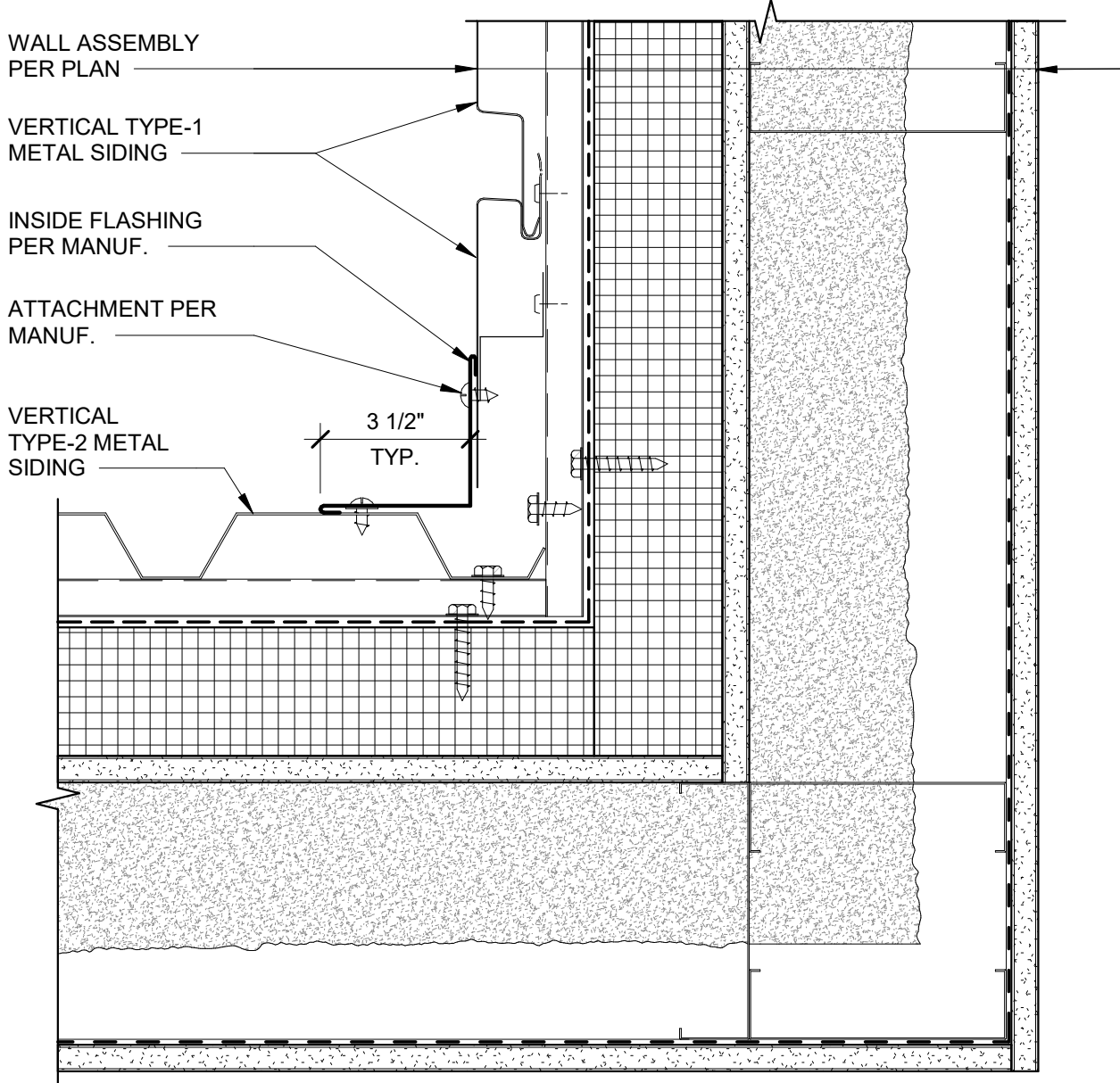
3  
A502 O/S CORNER AT TYPE-1 METAL SIDING  
3" = 1'-0"



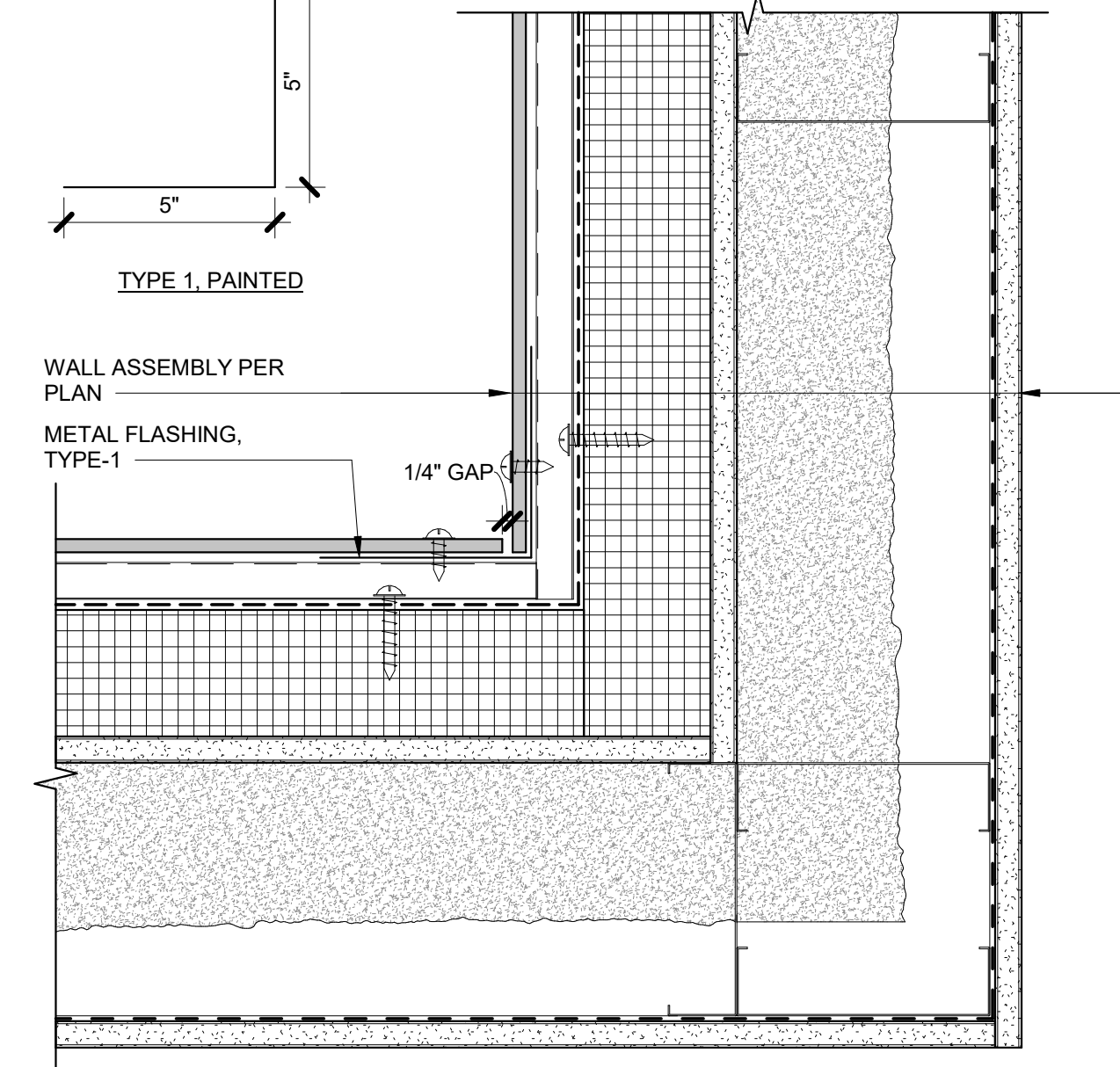
4  
A502 TRANSITION AT EE AND ED  
3" = 1'-0"



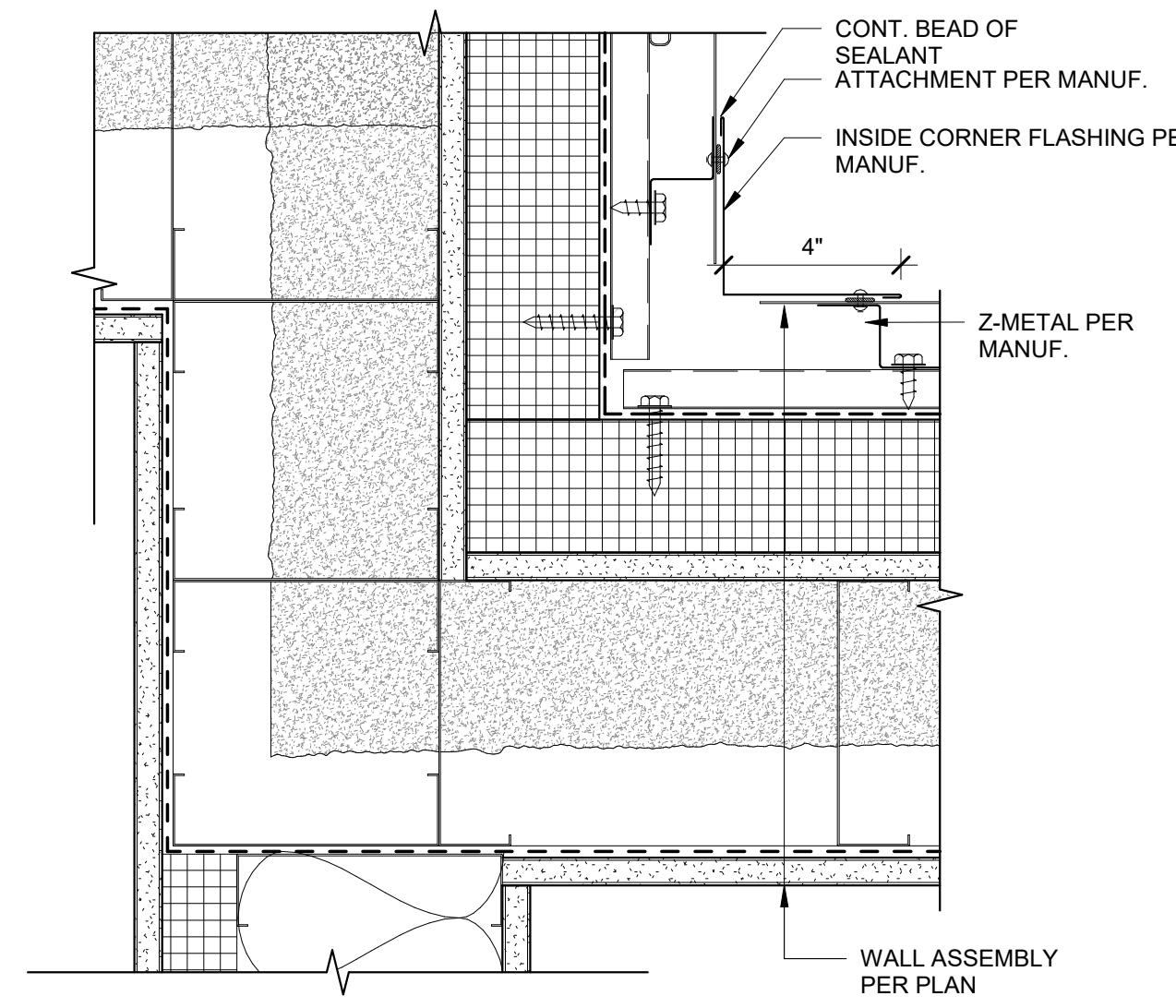
5  
A502 I/S CORNER AT TYPE-2 METAL SIDING  
3" = 1'-0"



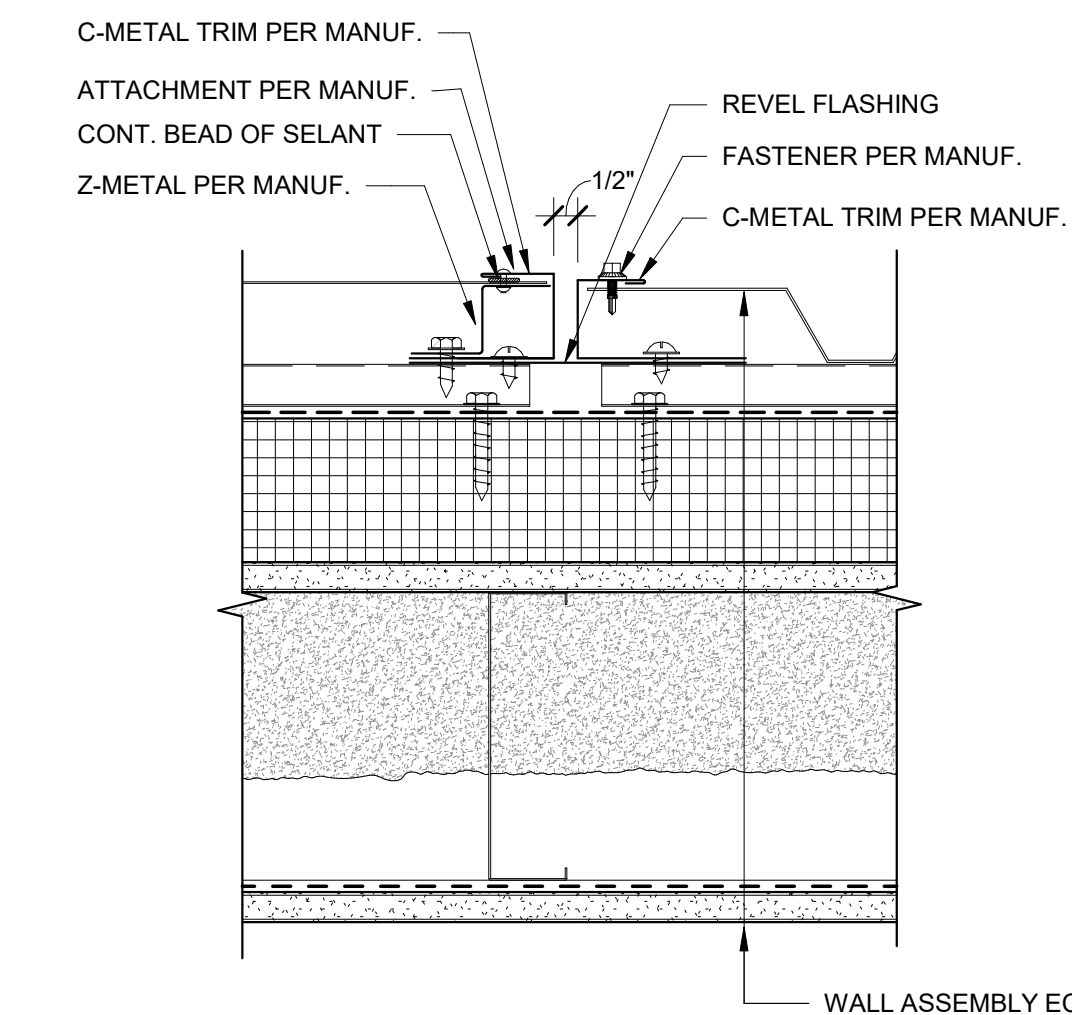
6  
A502 I/S CORNER AT TYPE-1 TO TYPE-2 METAL SIDING  
3" = 1'-0"



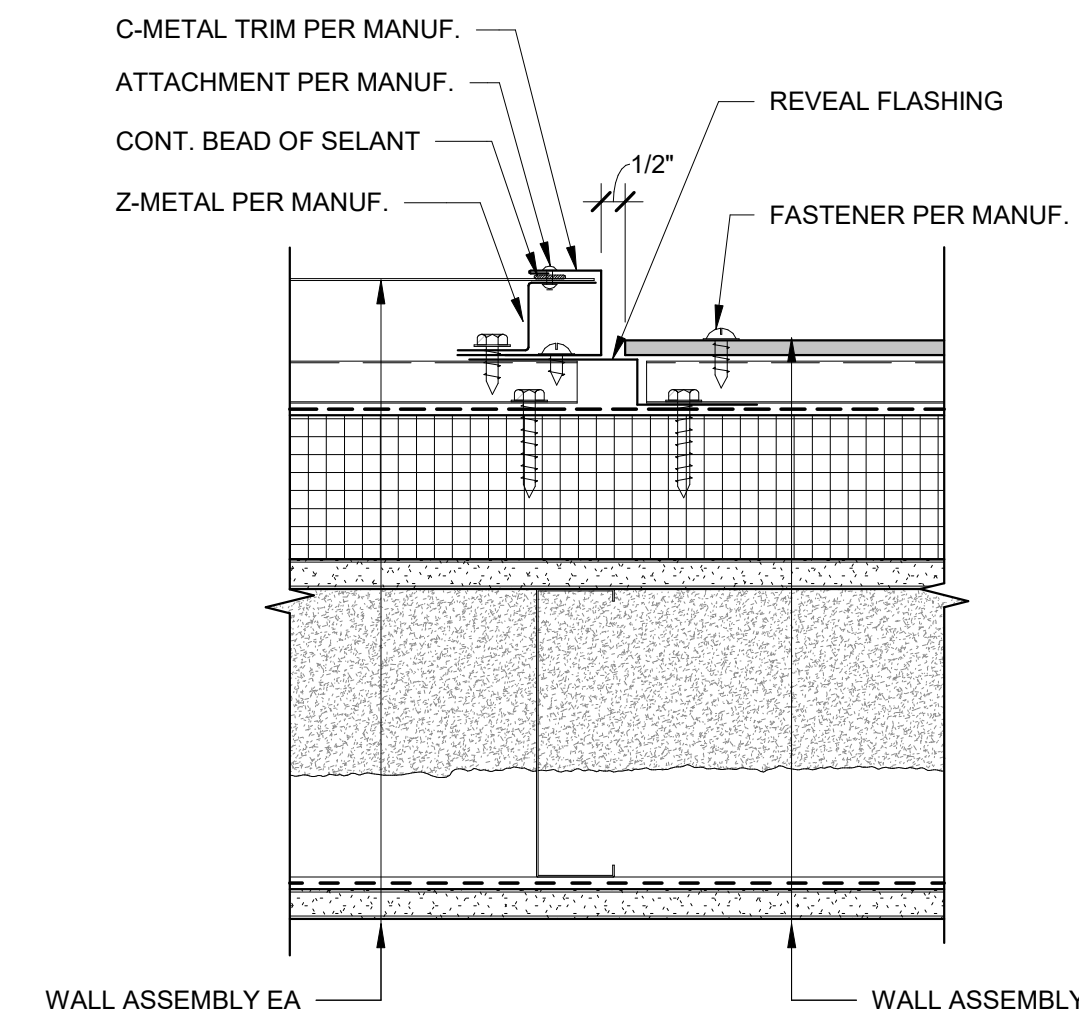
7  
A502 I/S CORNER AT FIBER RESIN TO FIBER RESIN  
3" = 1'-0"



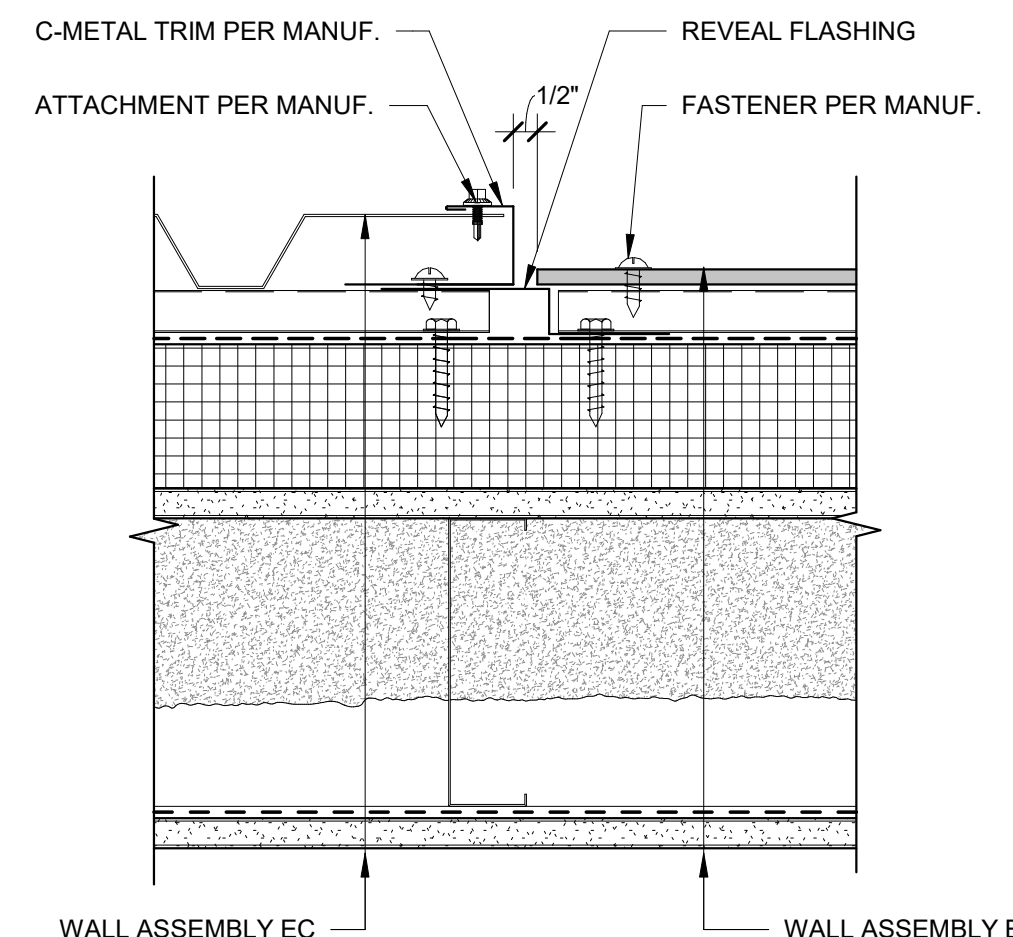
8  
A502 I/S CORNER AT TYPE-1 METAL SIDING  
3" = 1'-0"



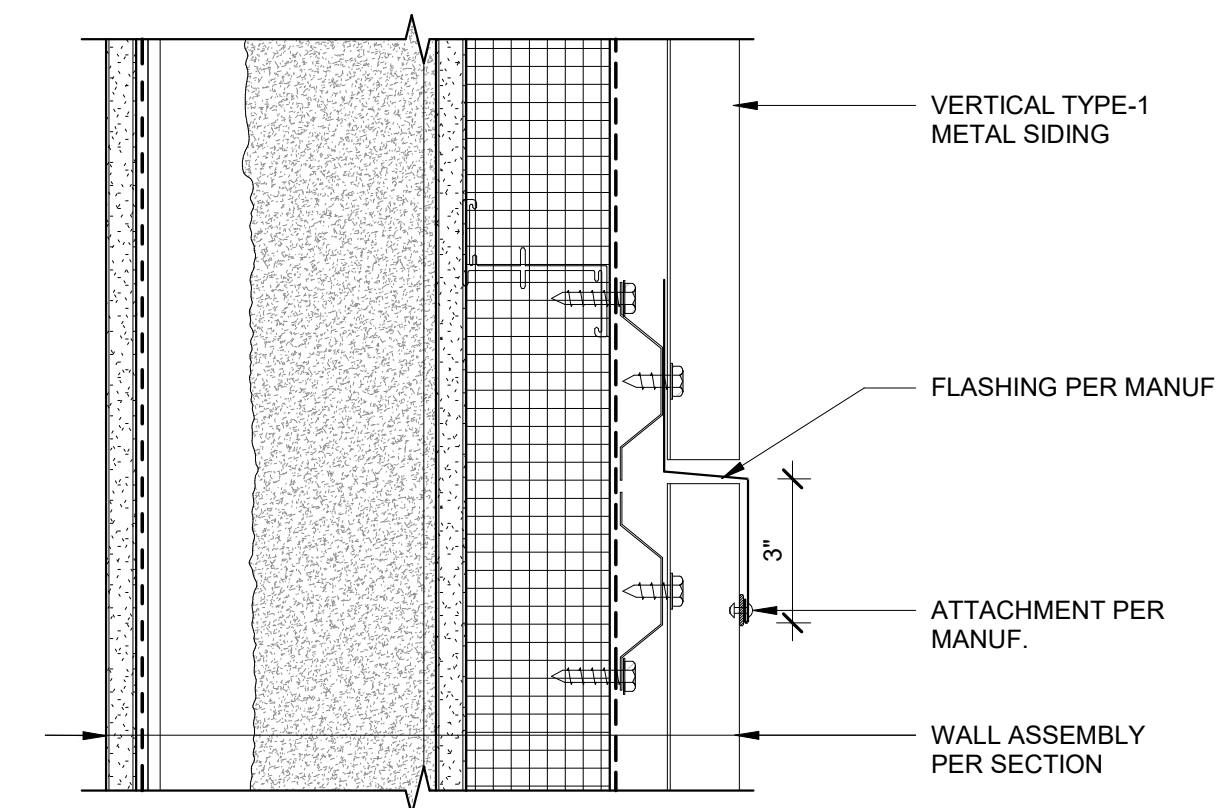
9  
A502 REVEAL AT EA AND EC  
3" = 1'-0"



10  
A502 REVEAL AT EA AND ED  
3" = 1'-0"



11  
A502 REVEAL AT EC AND ED  
3" = 1'-0"



12  
A502 HORIZ. TRANS. AT TYPE-1 METAL SIDING  
3" = 1'-0"

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: JN  
CHECKED BY: RR

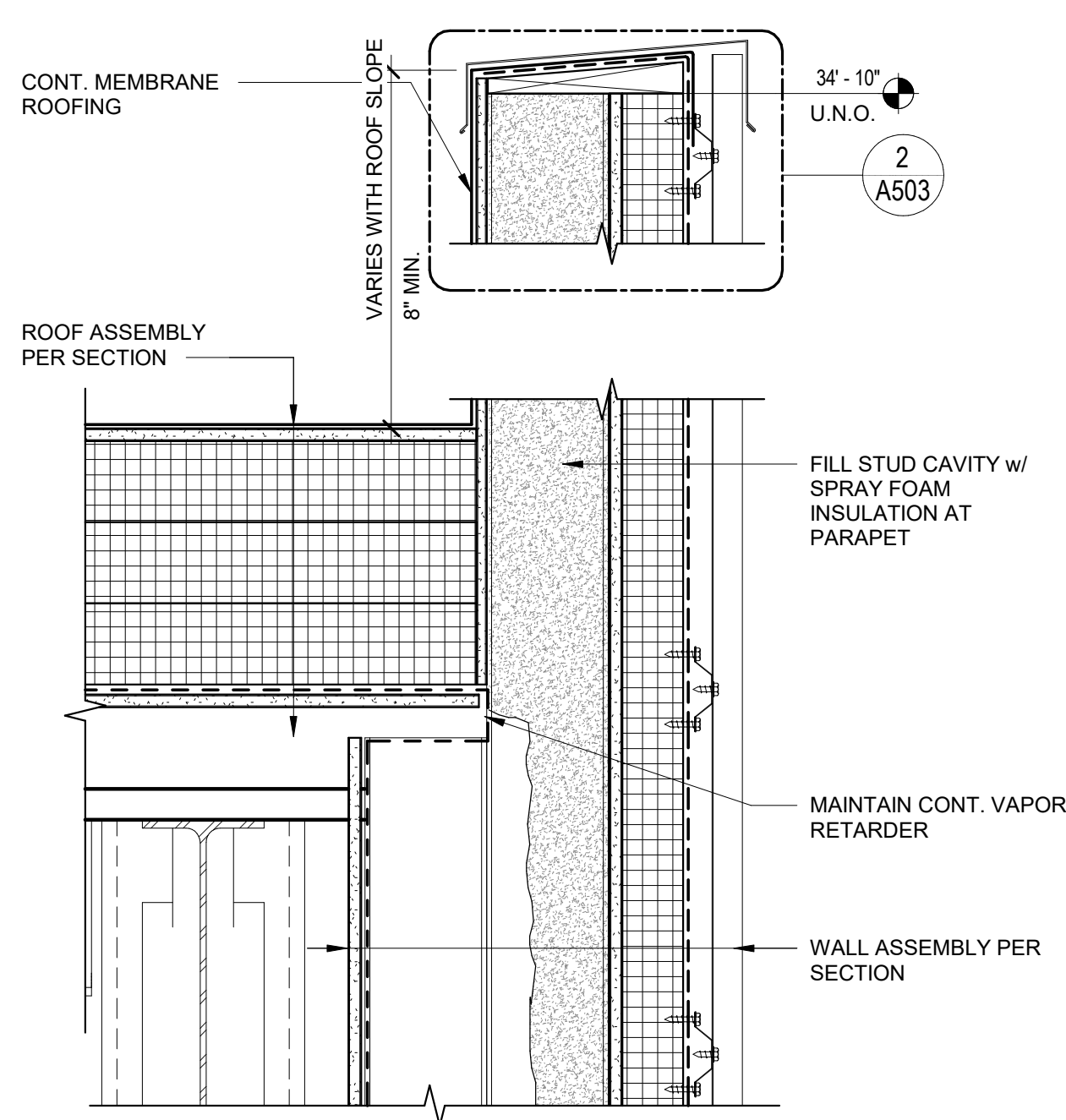
EXTERIOR DETAILS - SIDING  
A502

NOT FOR CONSTRUCTION

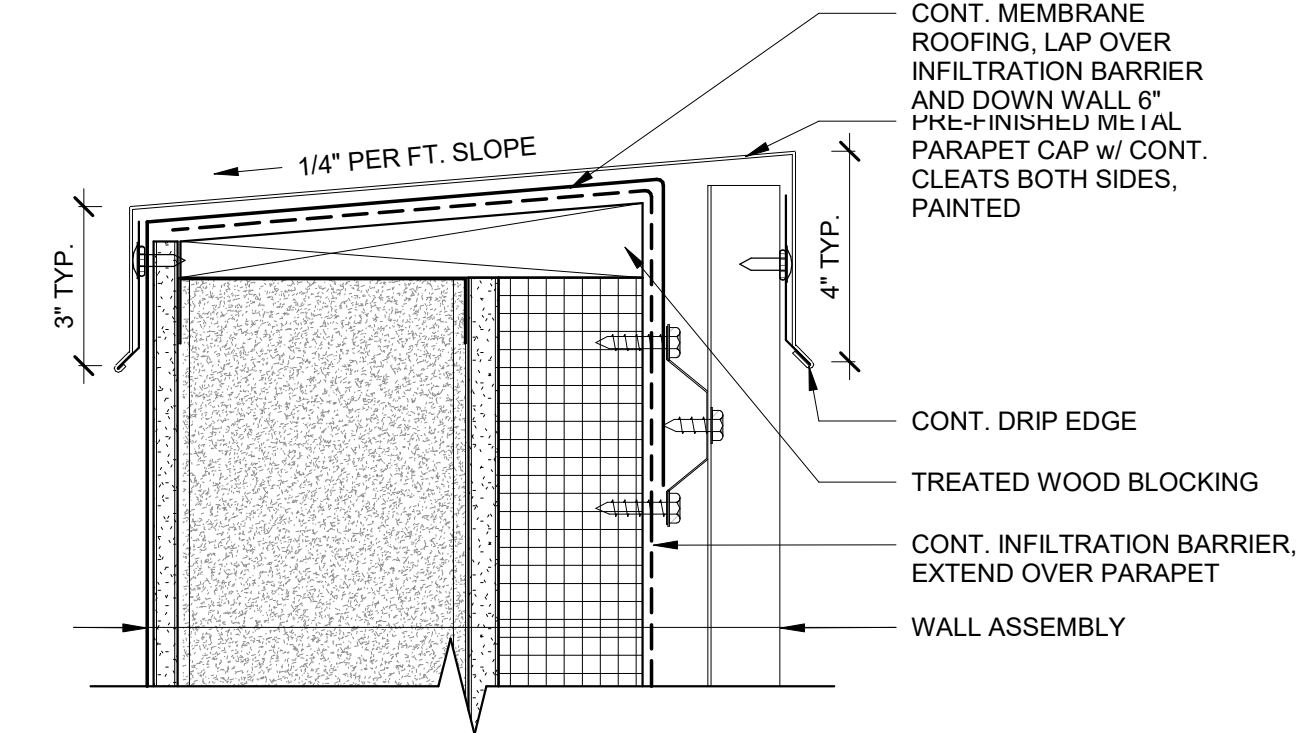


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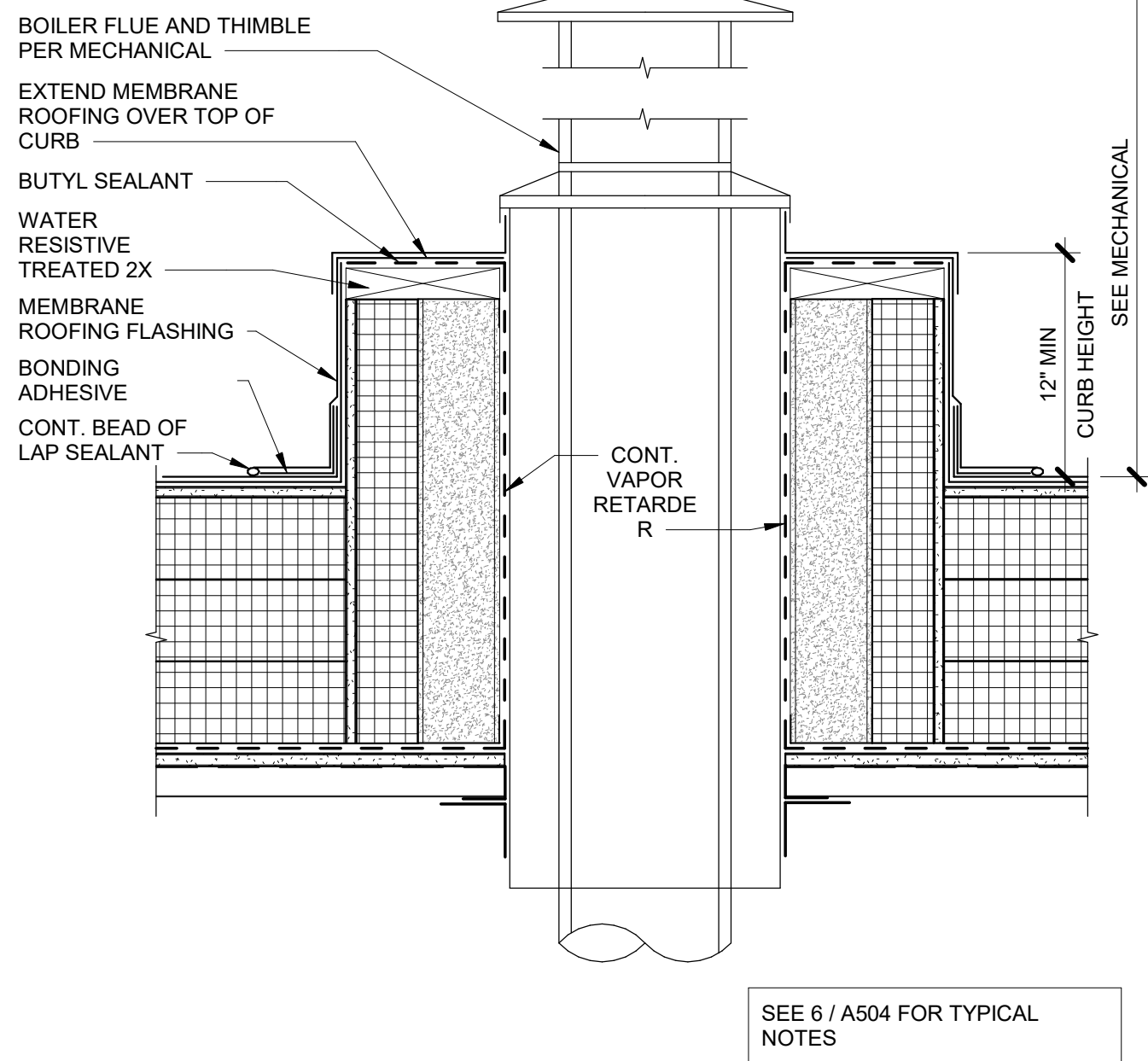
BIM 360/20-130 Haines Public Safety Facility/20-130 HPSF-A-model.rvt  
8/24/2022 7:06:55 AM



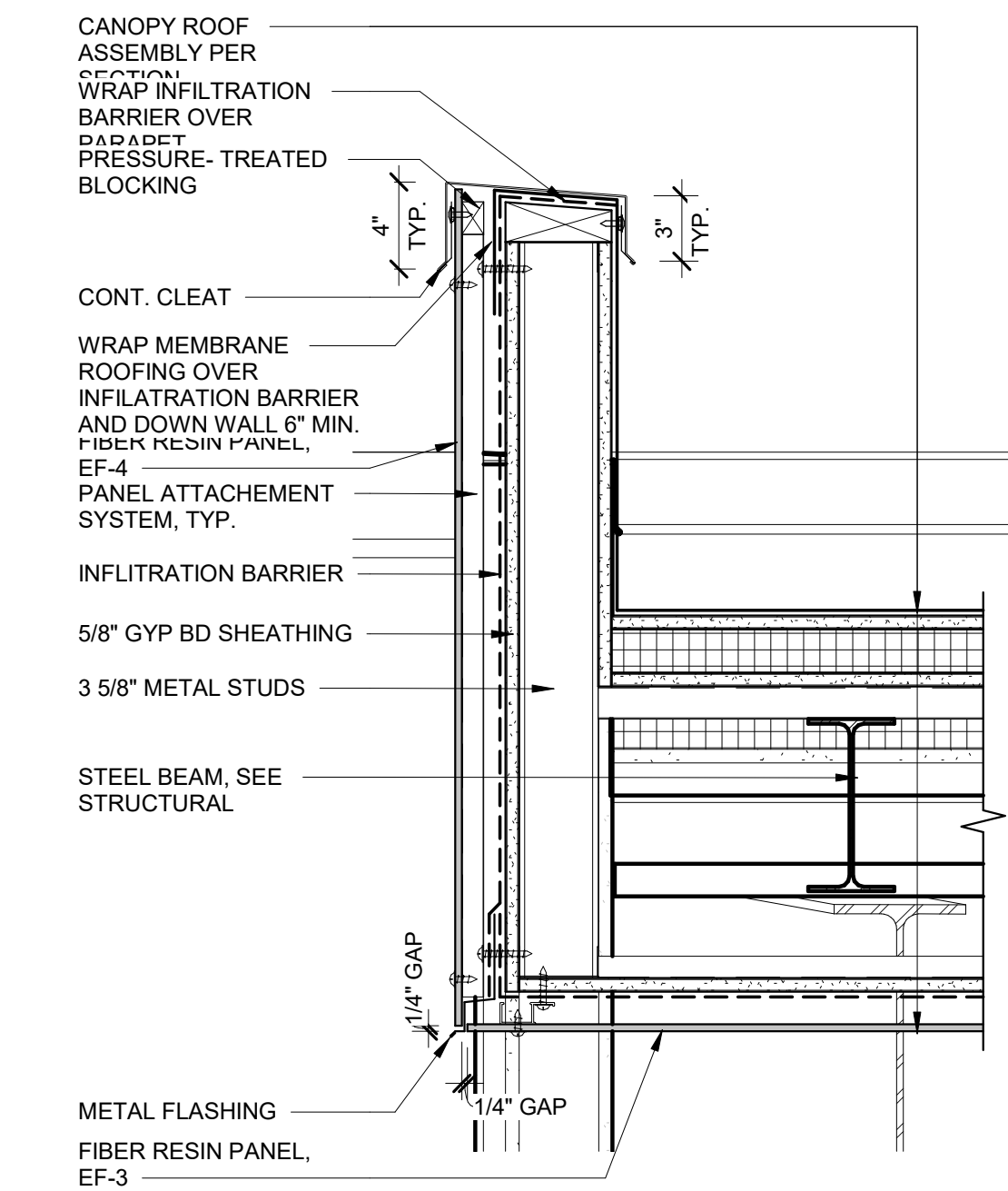
1 TYPICAL PARAPET  
A503 1 1/2" = 1'-0"



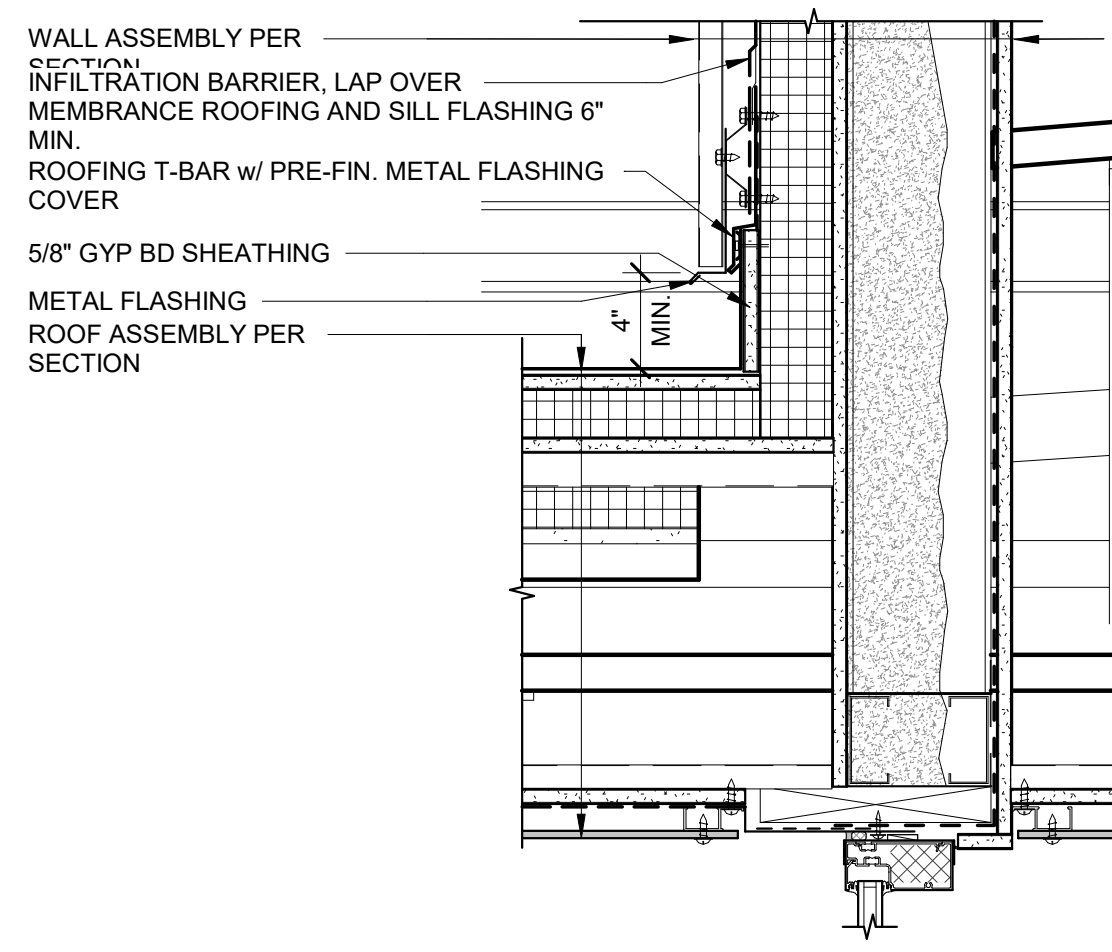
2 TYPICAL COPING  
A503 3" = 1'-0"



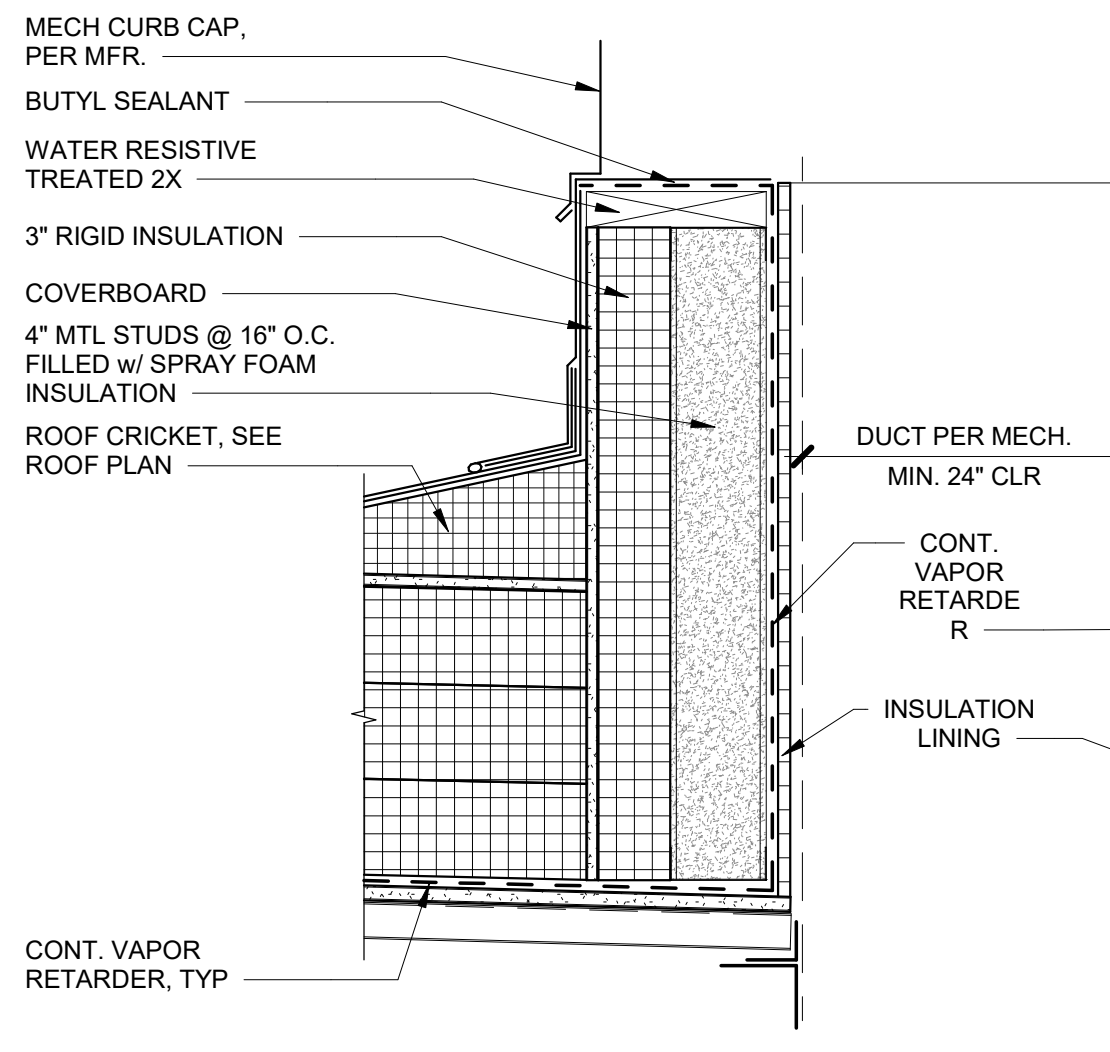
6 BOILER FLUE CURB  
A503 1 1/2" = 1'-0"



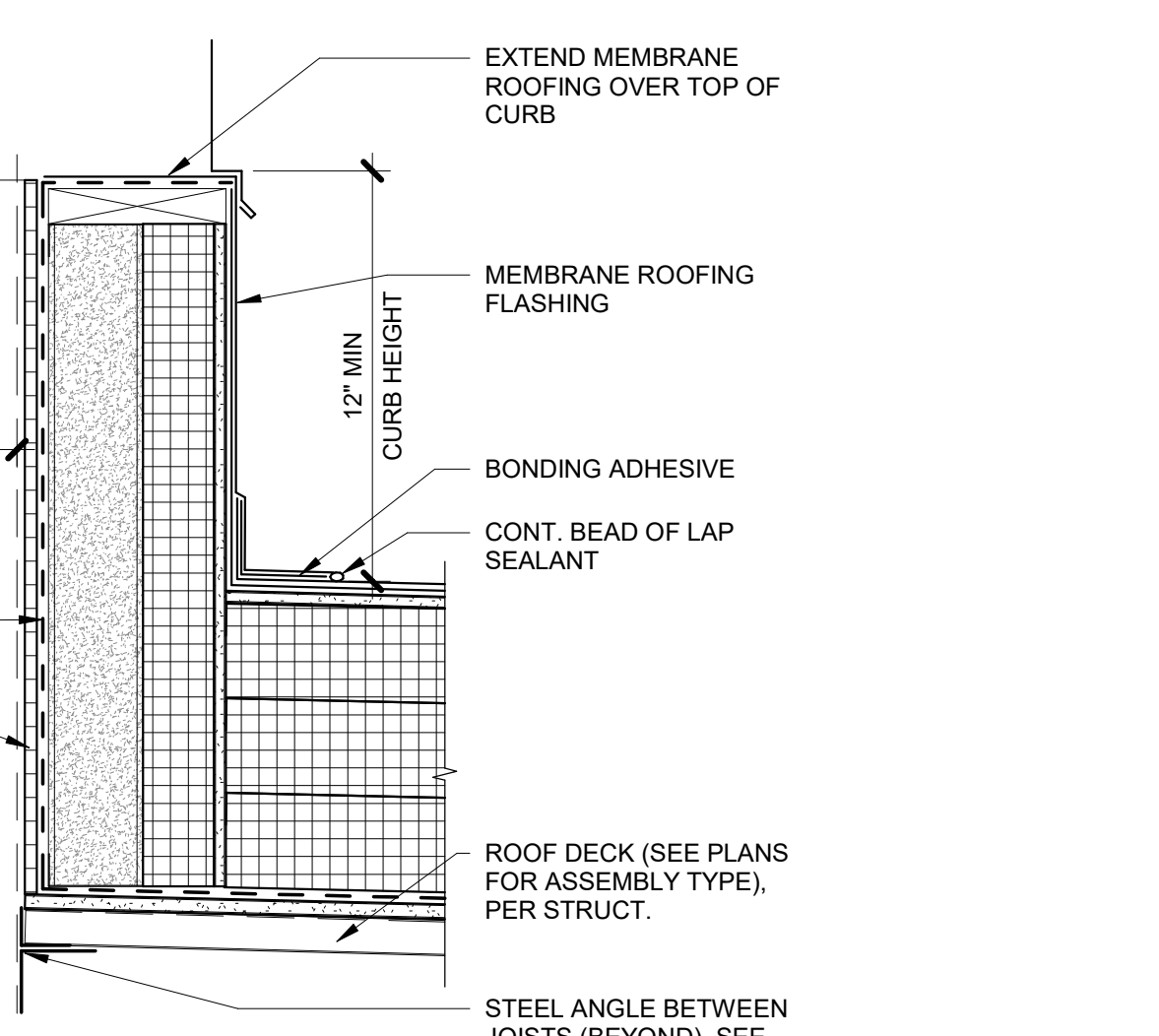
3 TYPICAL PARAPET AT CANOPY  
A503 1 1/2" = 1'-0"



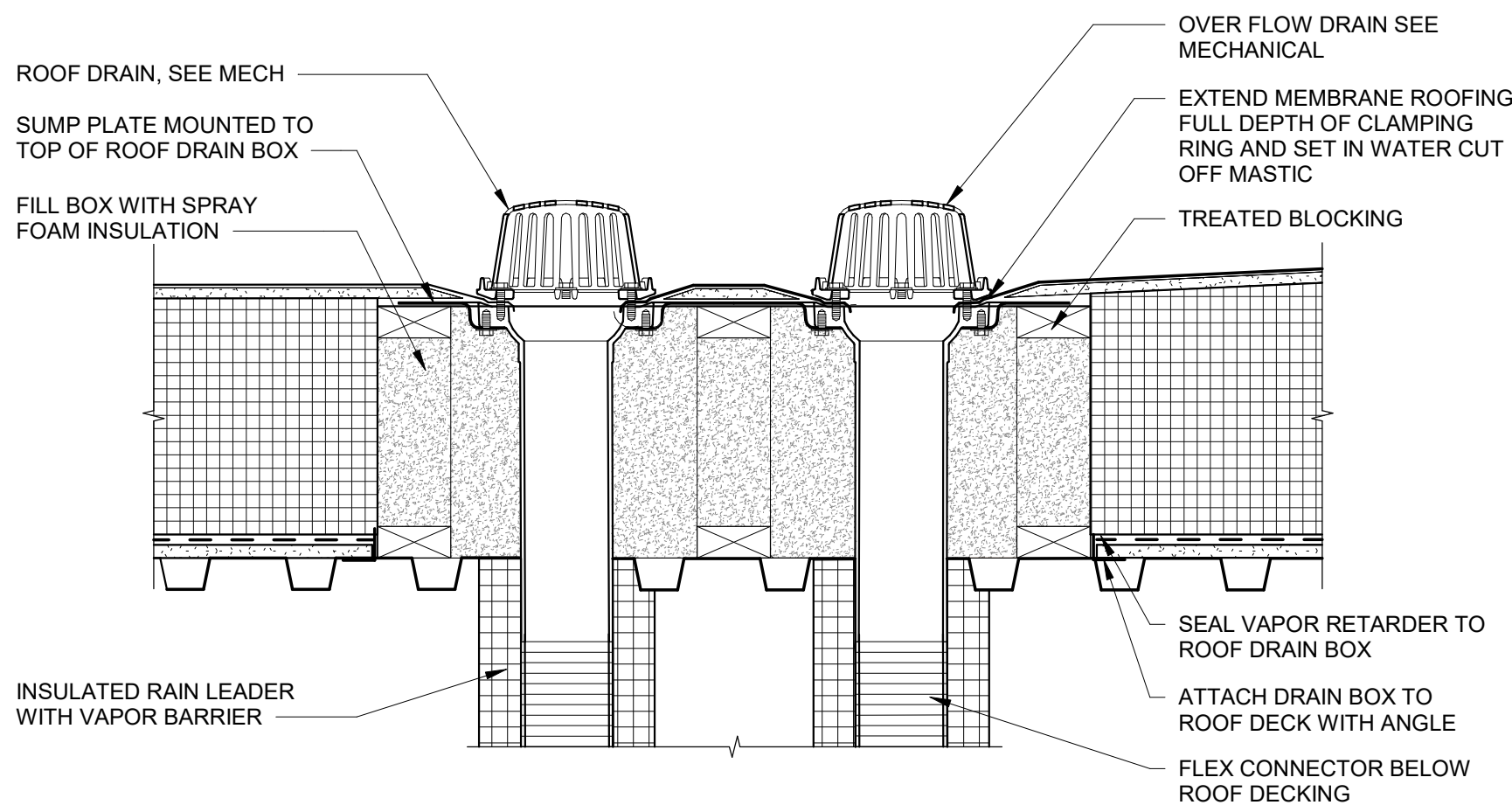
4 SILL AT CANOPY  
A503 1 1/2" = 1'-0"



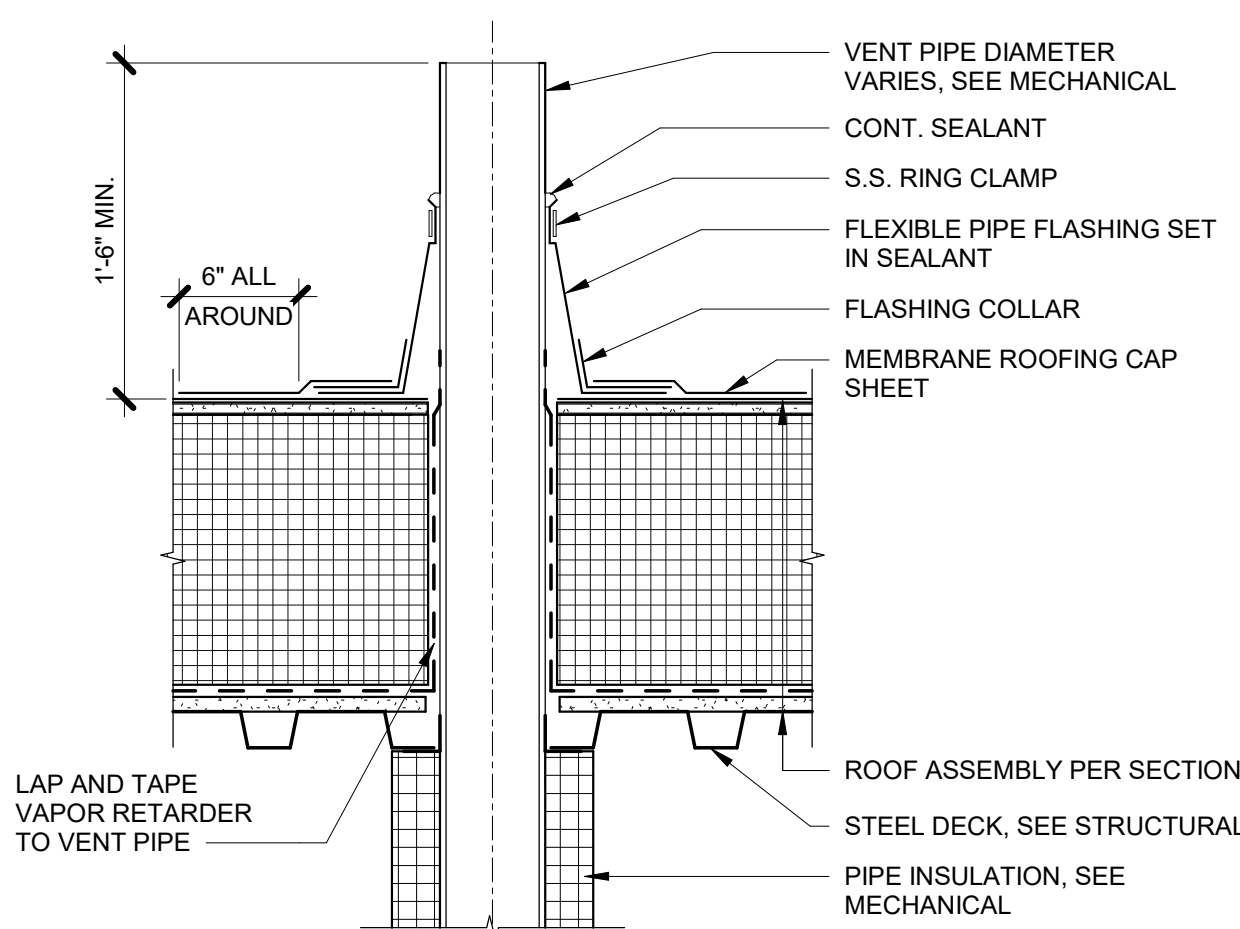
7 ROOF EXHAUST CURB  
A503 1 1/2" = 1'-0"



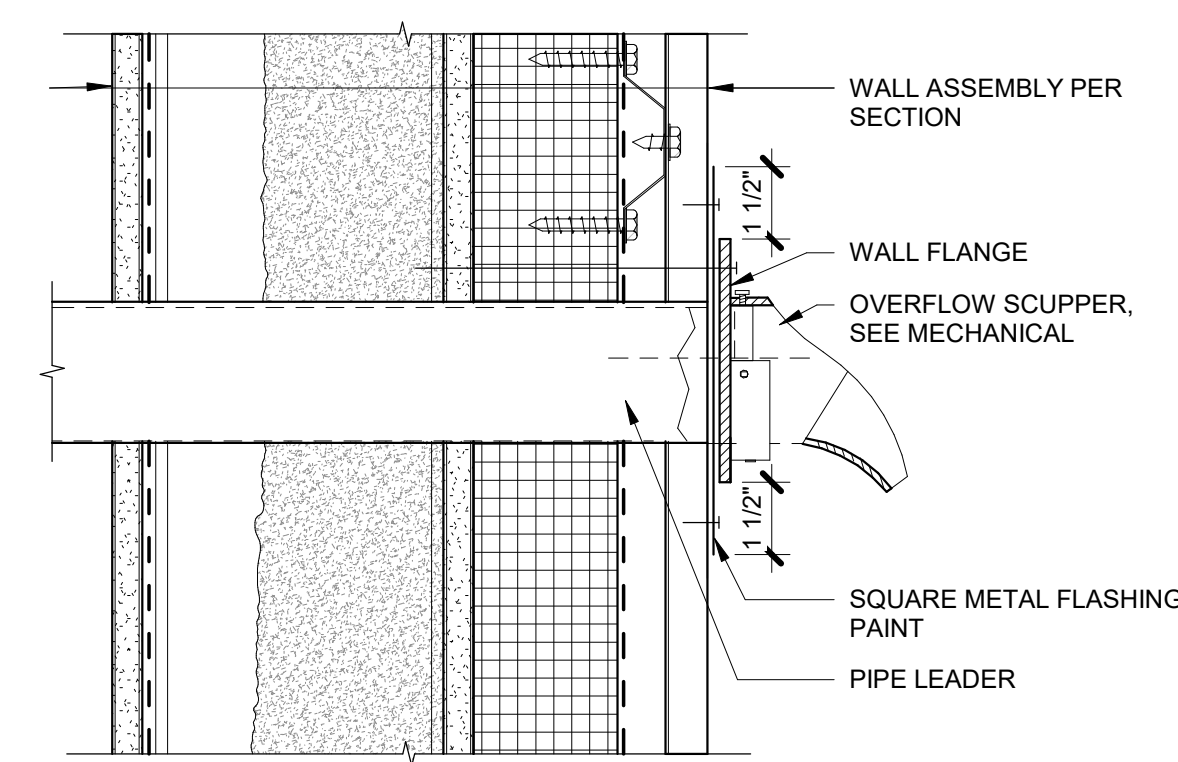
12 ROOF TRANSITION AT GRID 3  
A503 1 1/2" = 1'-0"



9 ROOF DRAIN DETAIL  
A503 1 1/2" = 1'-0"



10 VENT THROUGH ROOF  
A503 1 1/2" = 1'-0"



11 OVERFLOW SCUPPER SECTION  
A503 3" = 1'-0"

SCUPPER AT CANOPY

SEE 6 / A504 FOR TYPICAL NOTES

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: JN  
CHECKED BY: RR

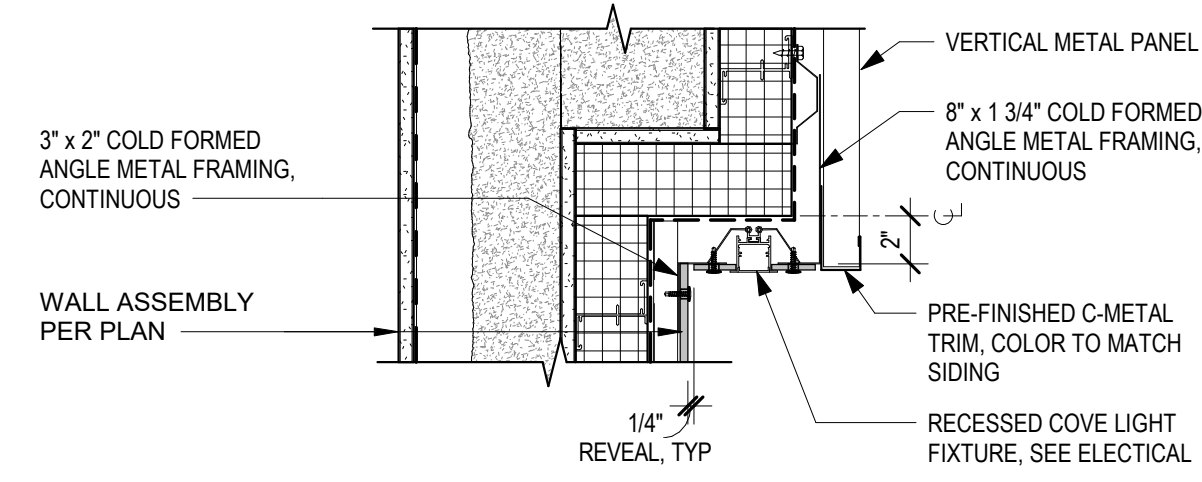
REVISION	DESCRIPTION	DATE

ROOF DETAILS  
**A503**  
BETTISWORTH NORTH ARCHITECTS & PLANNERS

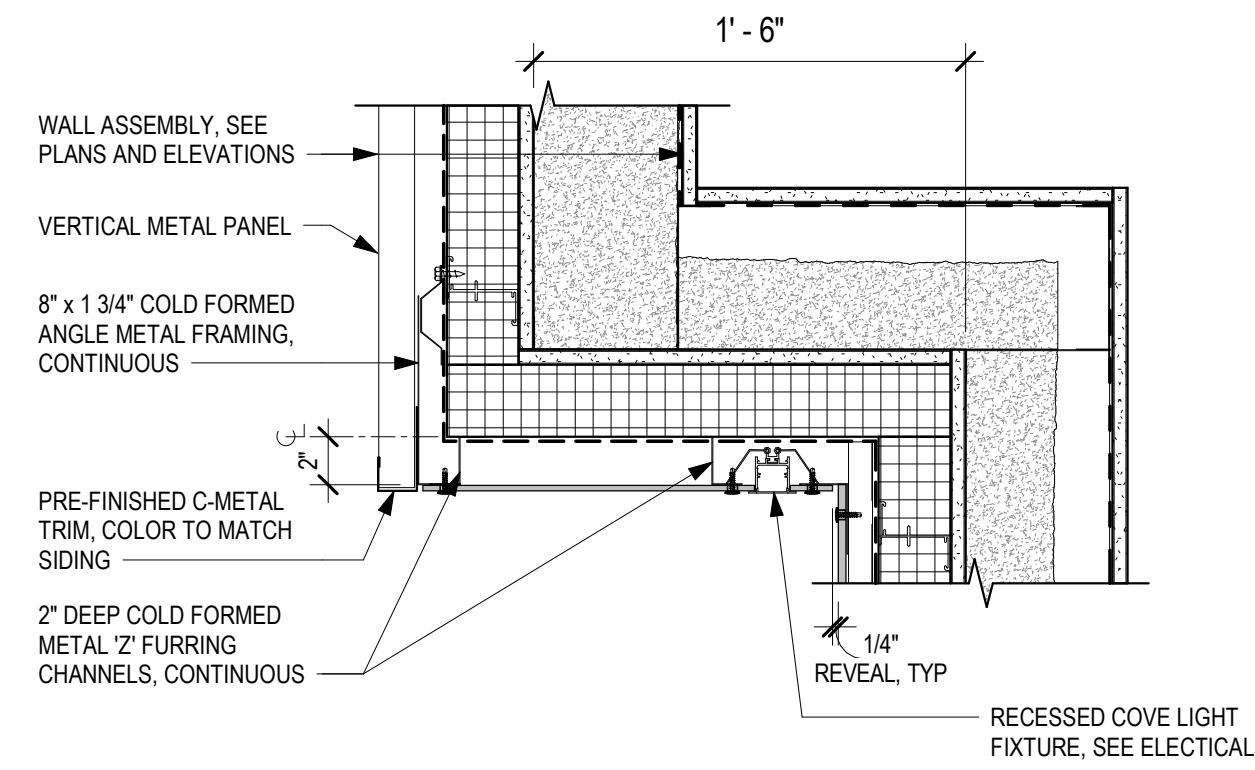
NOT FOR CONSTRUCTION

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**1**  
A504 COVE LIGHT AT CLERESTORY  
1 1/2" = 1'-0"



**2**  
A504 COVE LIGHT AT APPARATUS BAY DOORS  
1 1/2" = 1'-0"

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: JLL  
CHECKED BY: RR

REVISION	DESCRIPTION	DATE

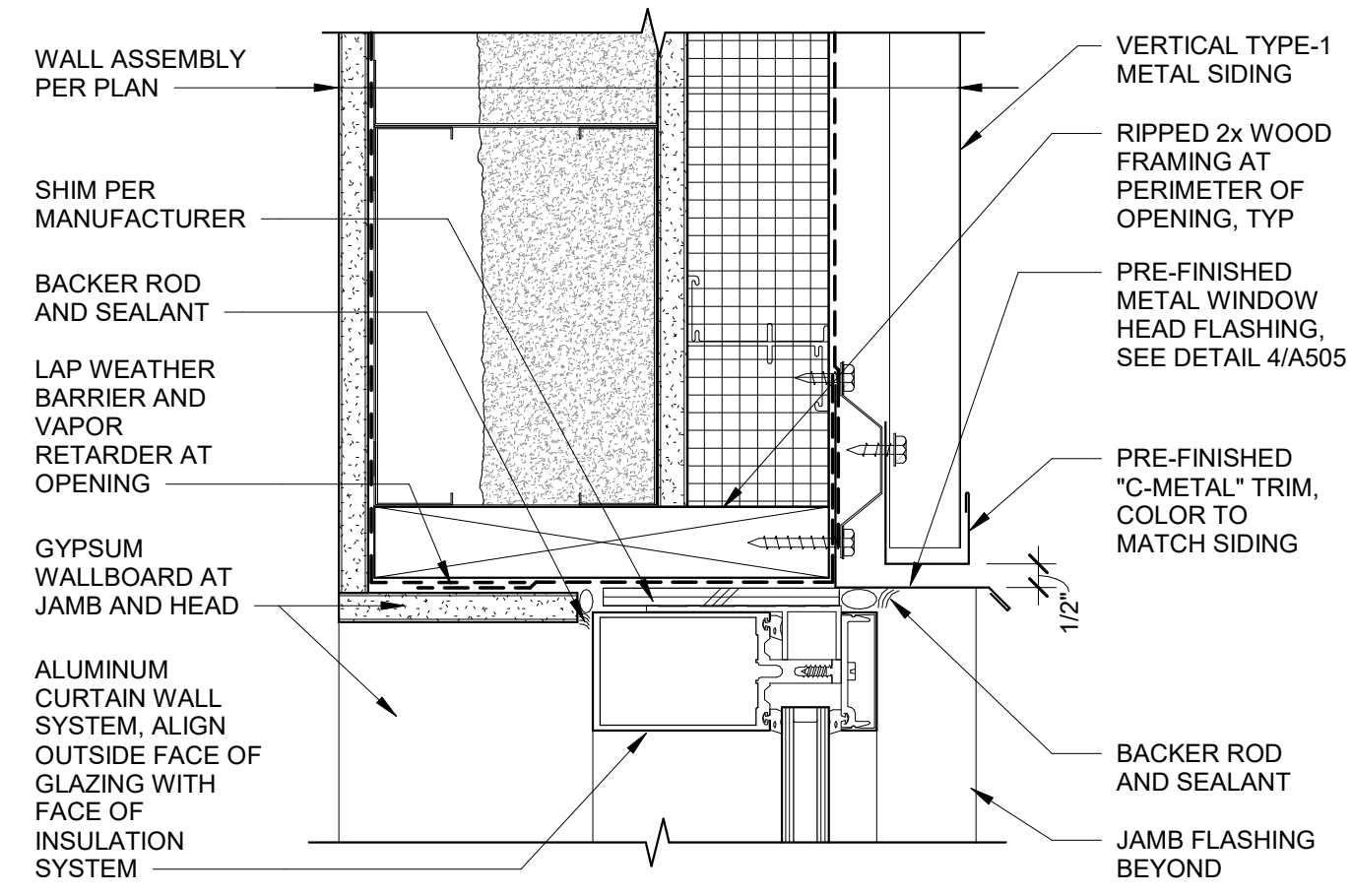
EXTERIOR DETAILS  
**A504**

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

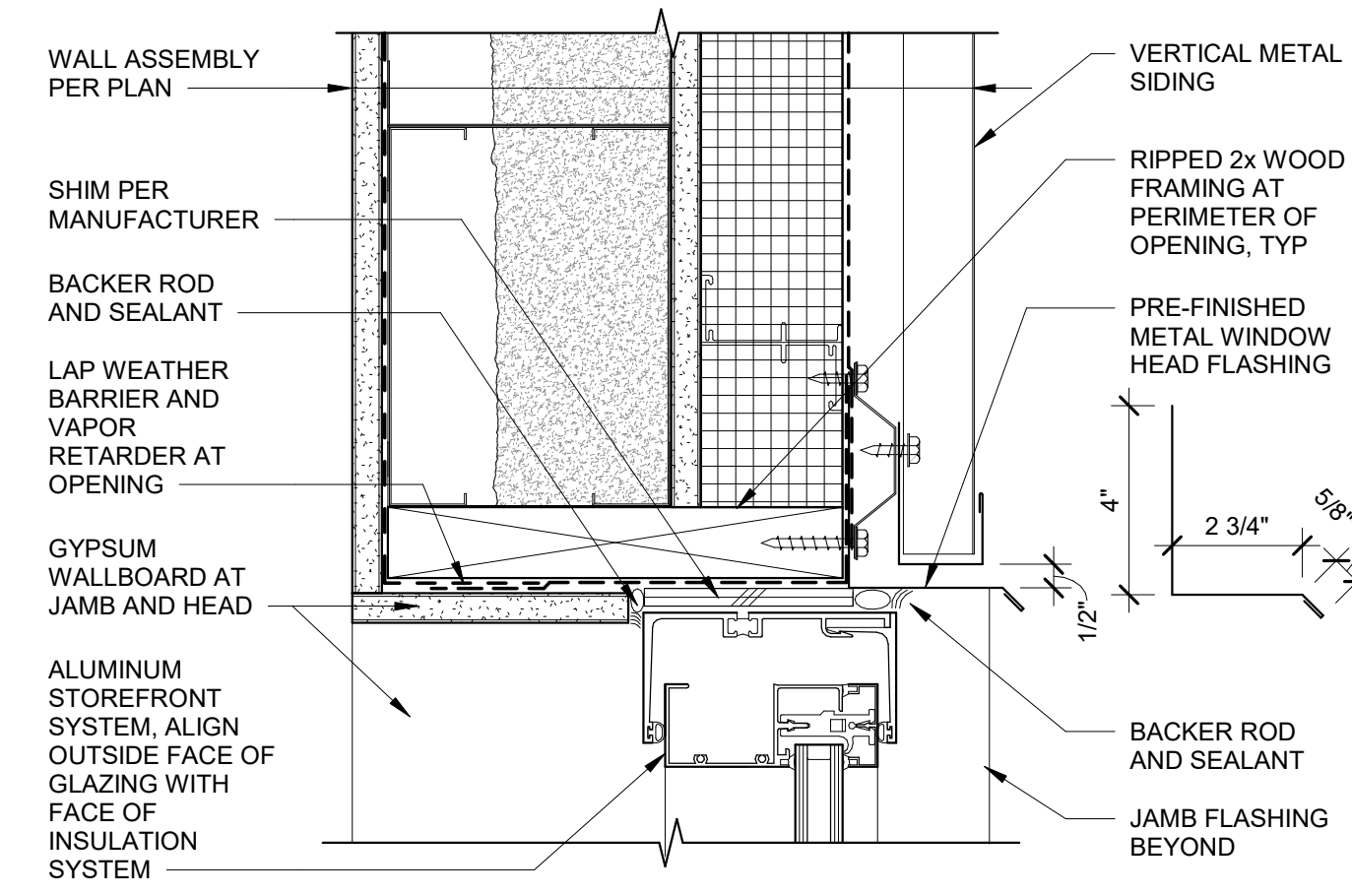
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8/24/2022 7:06:56 AM



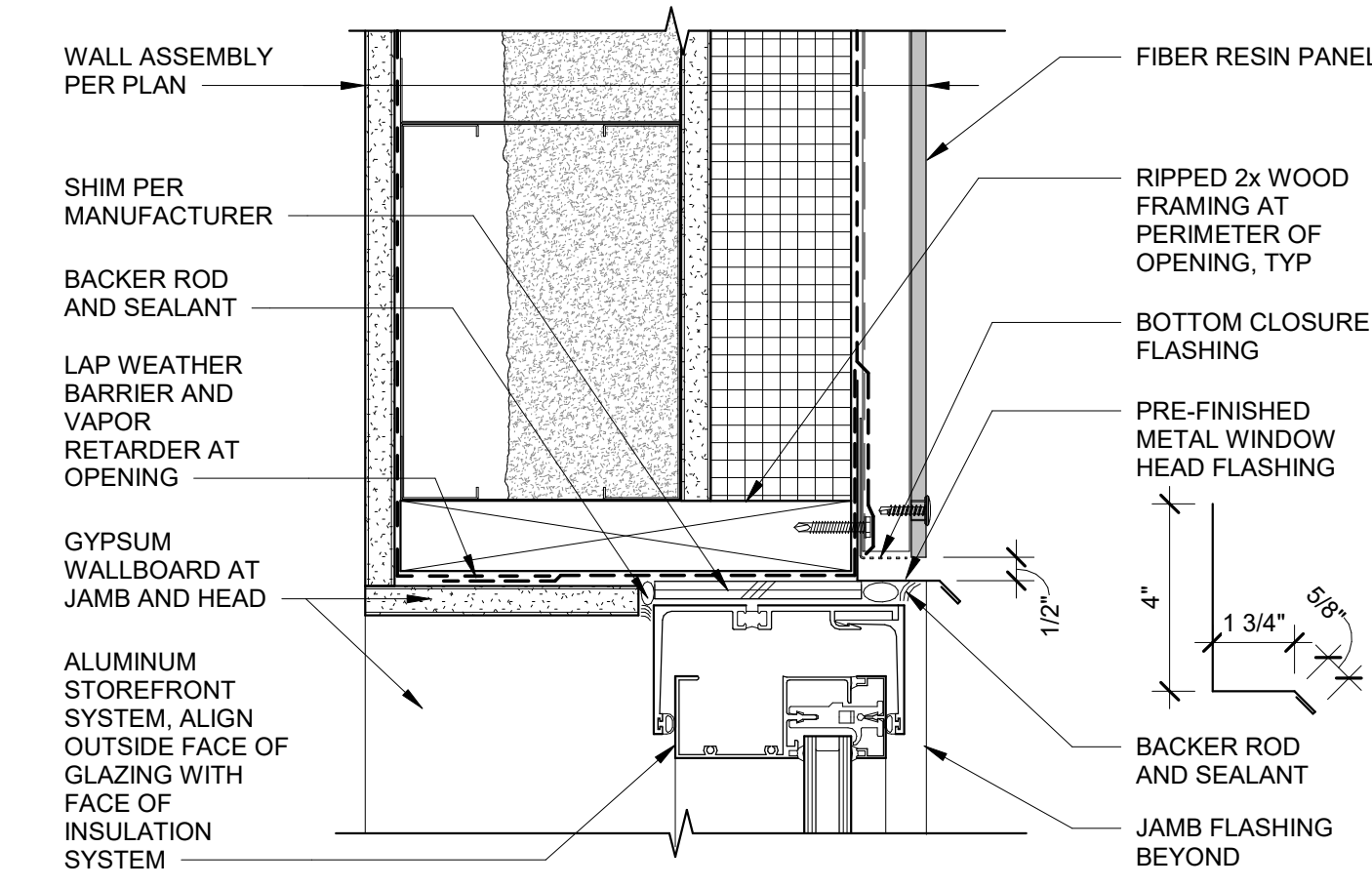
**1**  
A505 3" = 1'-0"

**CURTAINWALL HEAD AT TYPE-1 METAL SIDING**



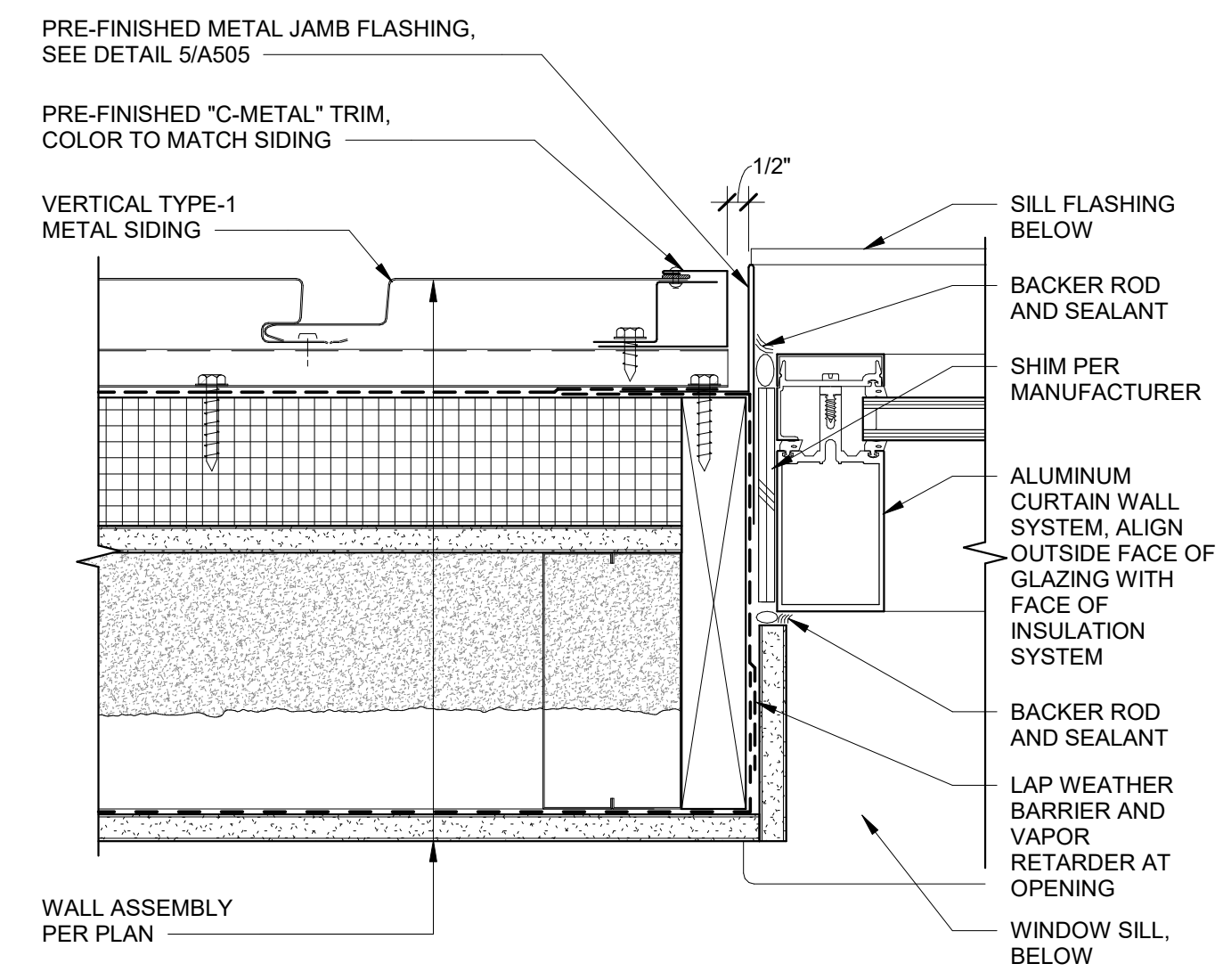
**4**  
A505 3" = 1'-0"

**WINDOW HEAD AT METAL SIDING**



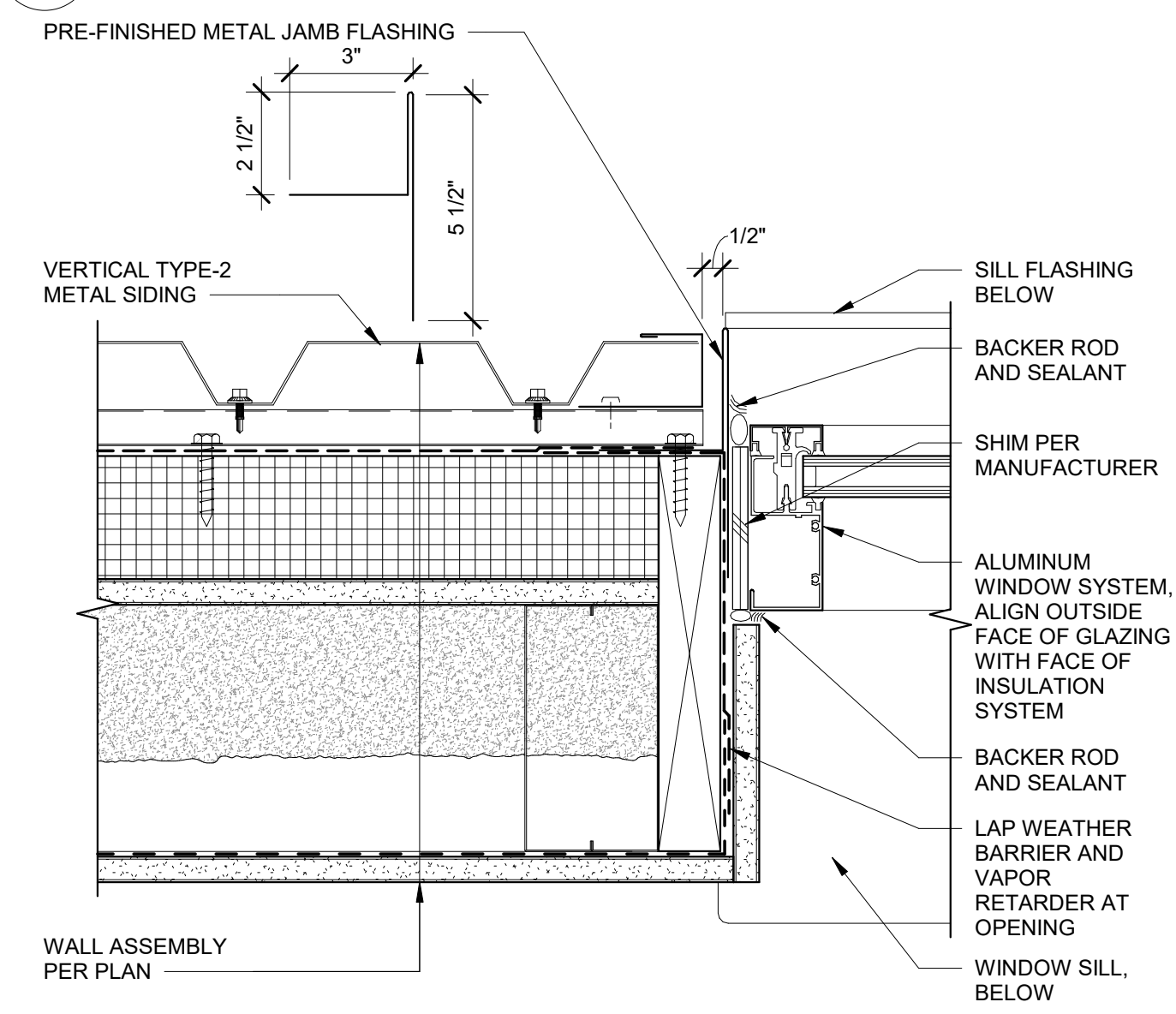
**7**  
A505 3" = 1'-0"

**WINDOW HEAD AT FIBER RESIN PANEL**



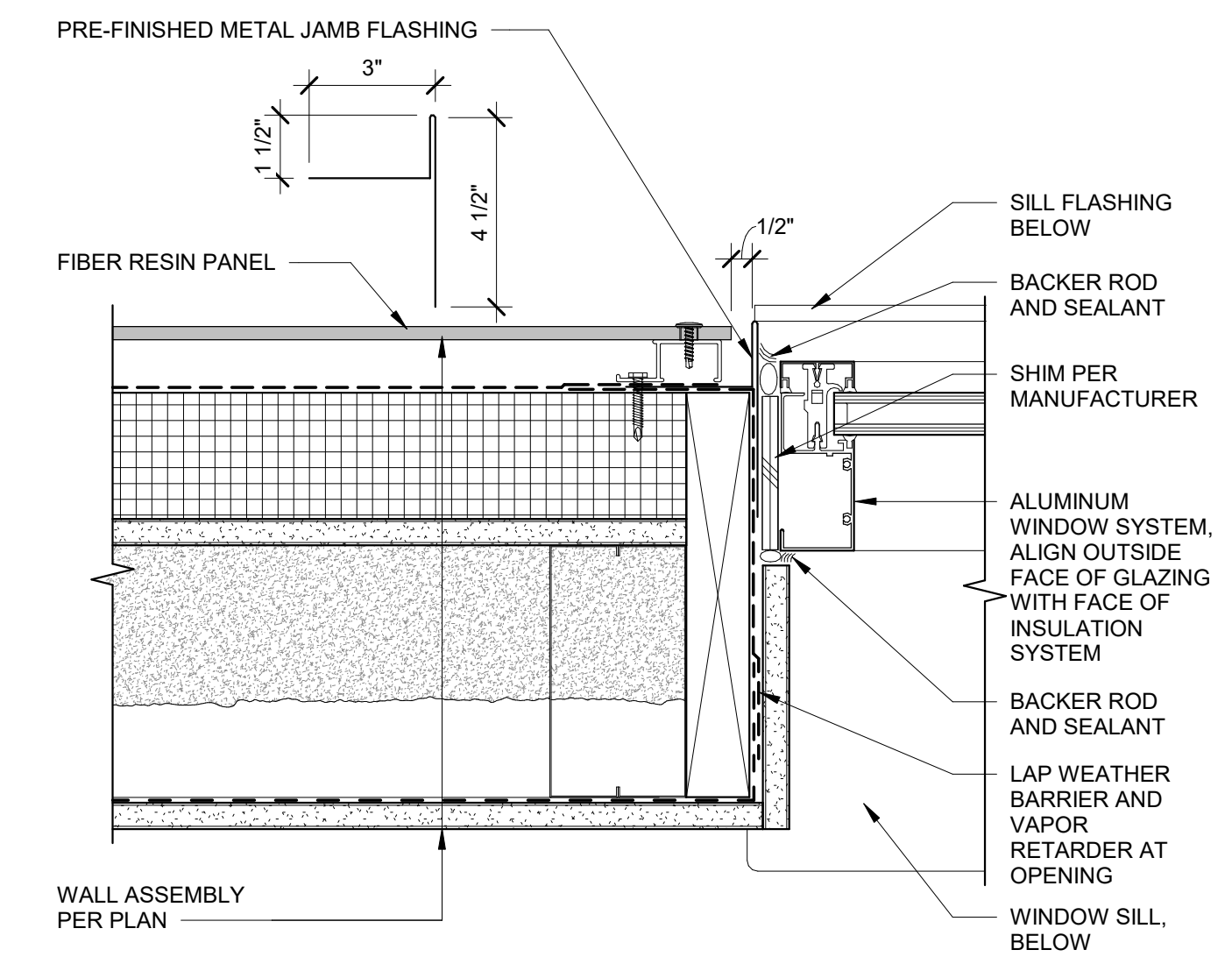
**2**  
A505 3" = 1'-0"

**CURTAINWALL JAMB AT TYPE-1 METAL SIDING**



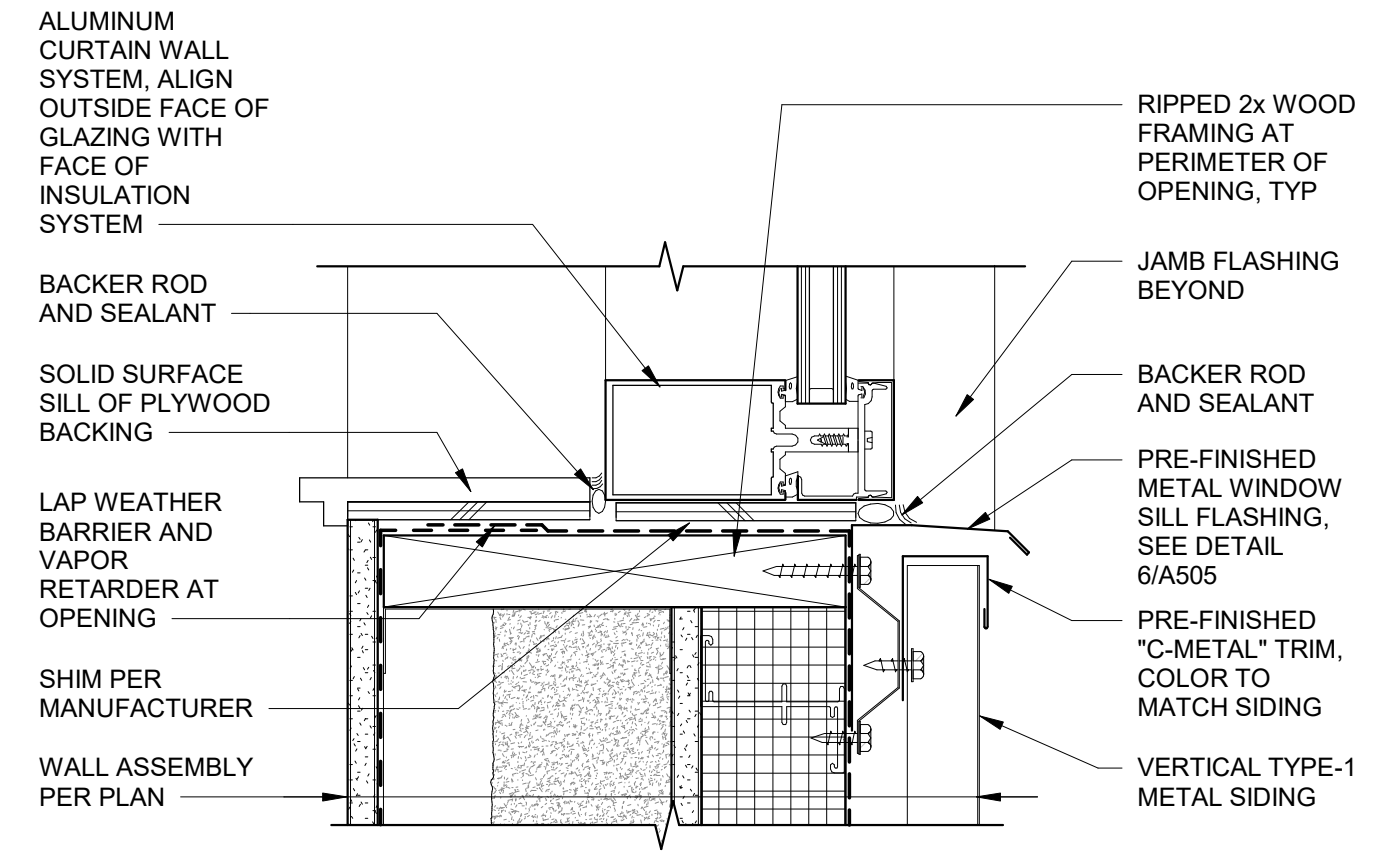
**5**  
A505 3" = 1'-0"

**WINDOW JAMB AT TYPE-2 METAL SIDING**



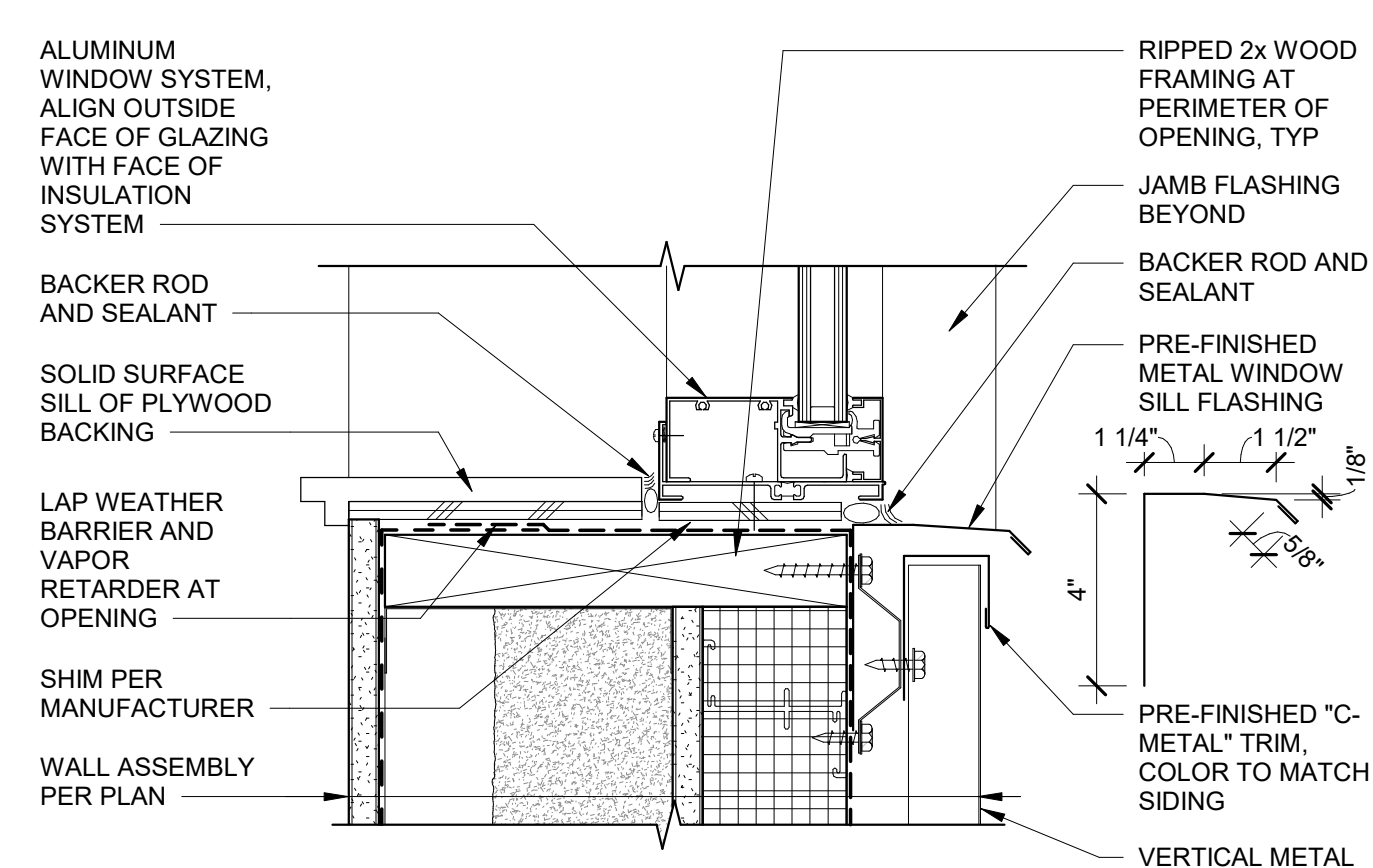
**8**  
A505 3" = 1'-0"

**WINDOW JAMB AT FIBER RESIN PANEL**



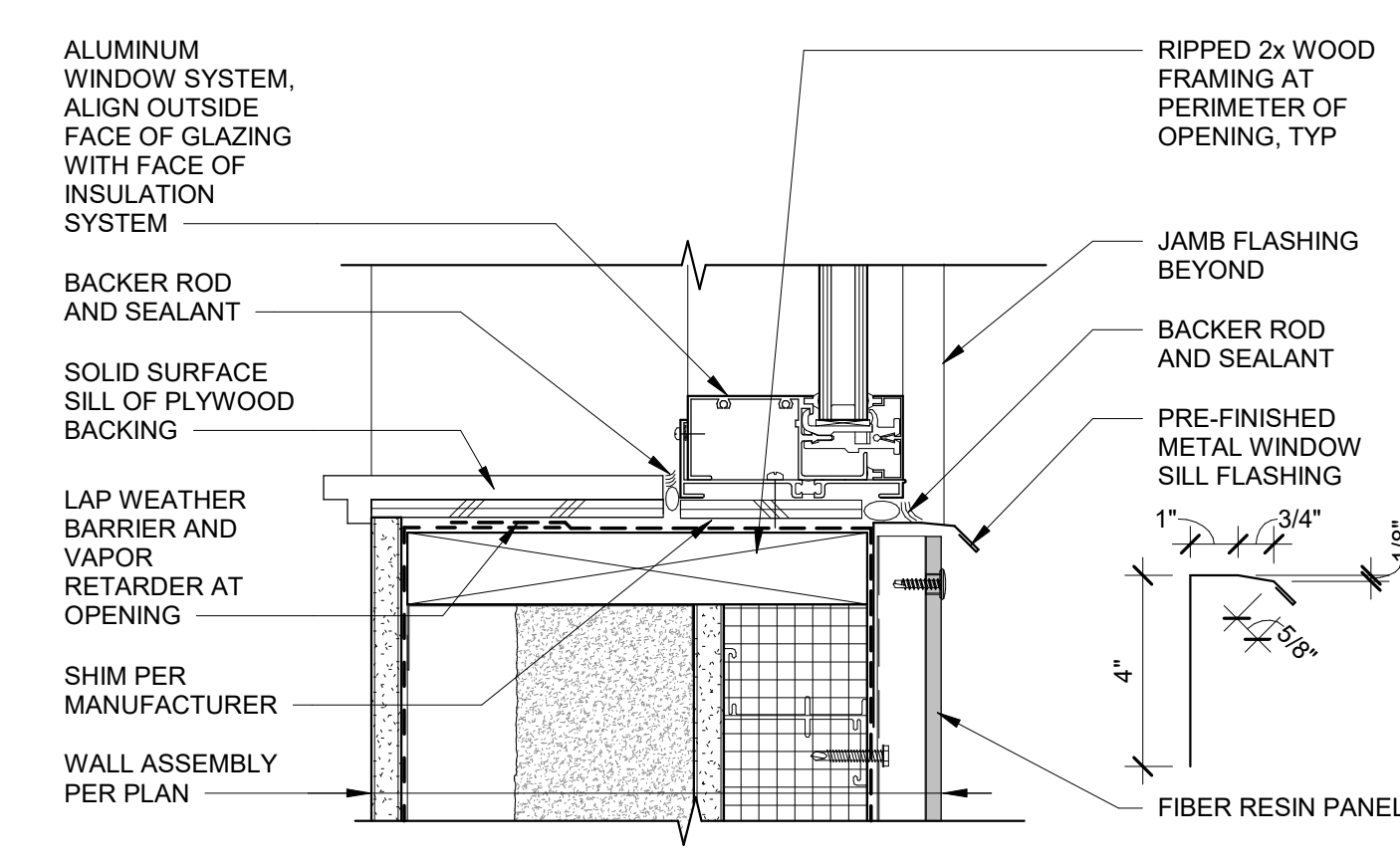
**3**  
A505 3" = 1'-0"

**CURTAINWALL SILL AT TYPE-1 METAL SIDING**



**6**  
A505 3" = 1'-0"

**WINDOW SILL AT METAL SIDING**



**9**  
A505 3" = 1'-0"

**WINDOW SILL AT FIBER RESIN PANEL**

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: JLL/JN  
CHECKED BY: RR

REVISION	DESCRIPTION	DATE

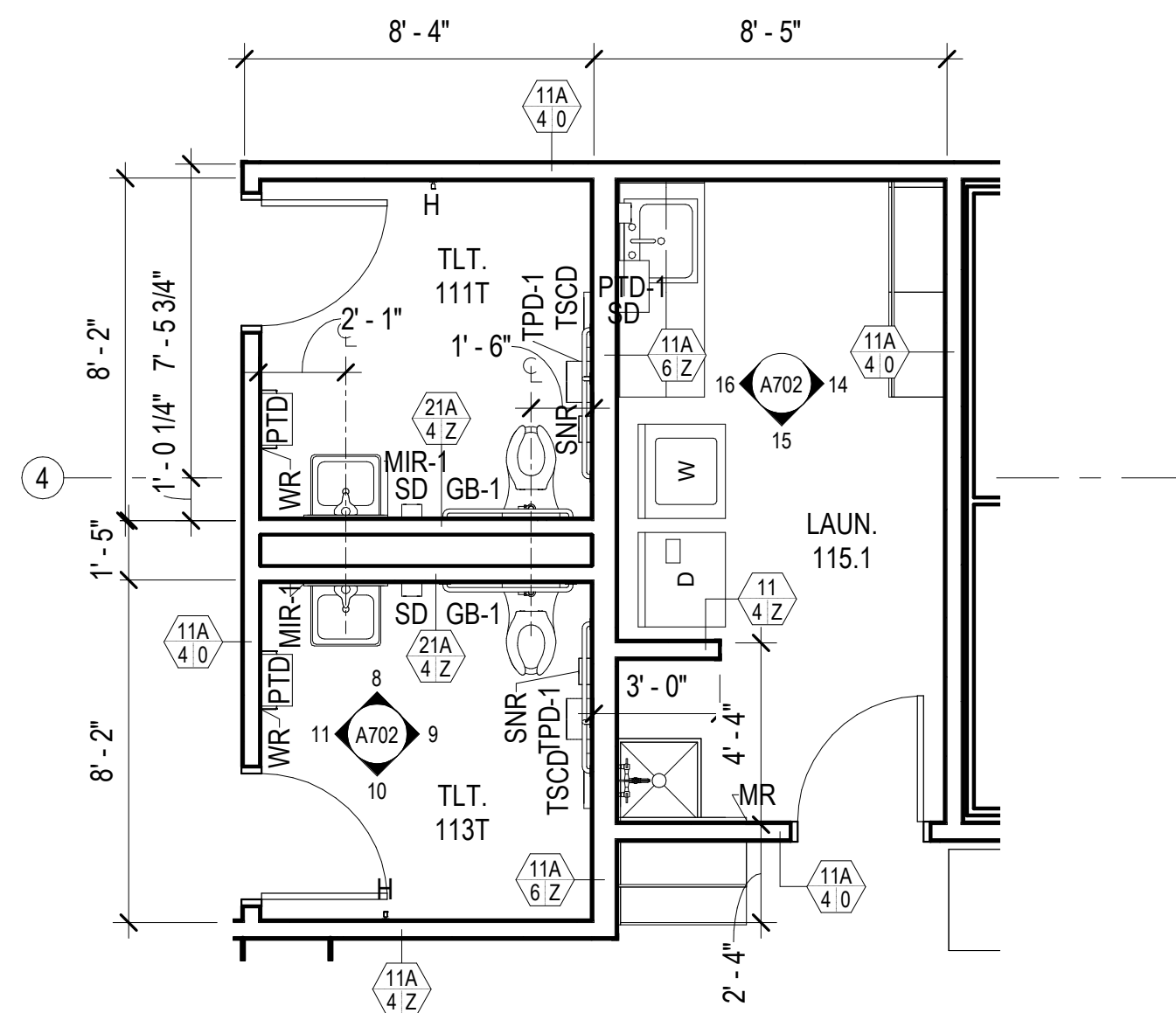
EXTERIOR OPENING DETAILS

**A505**

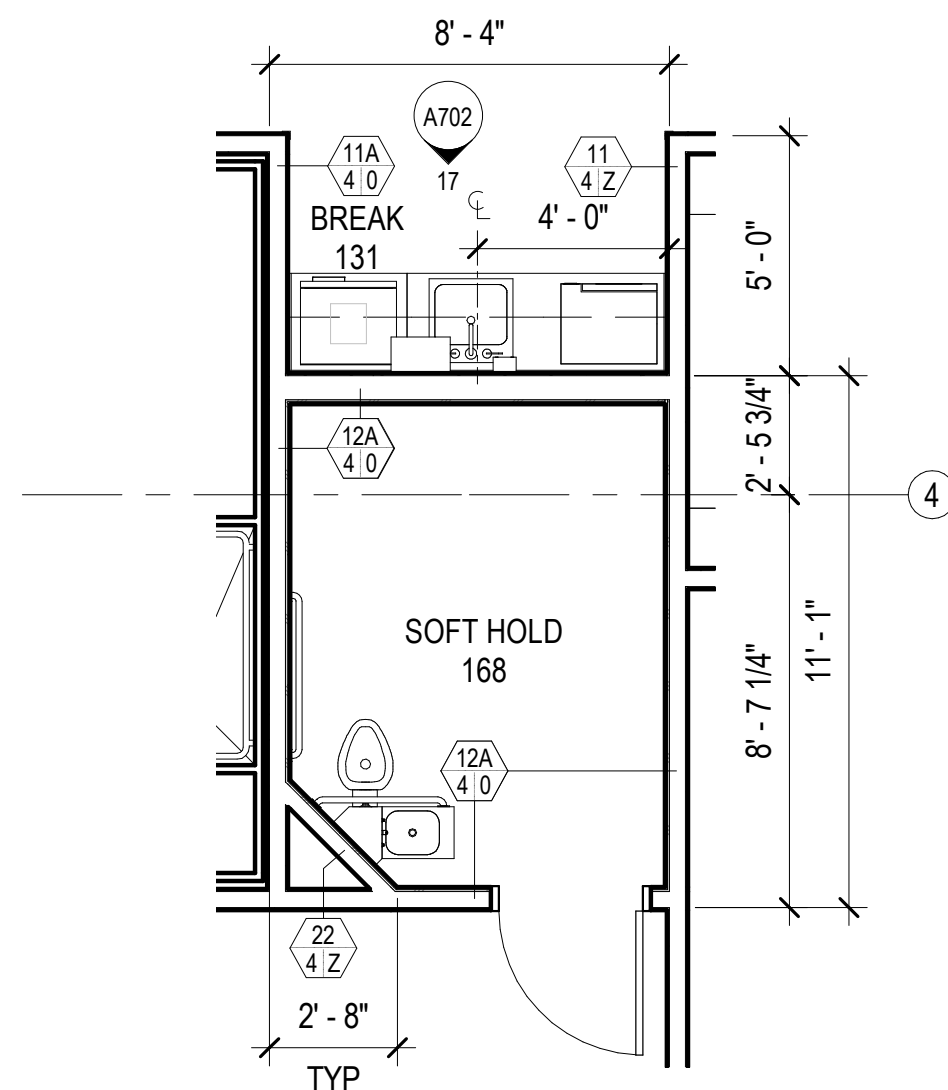
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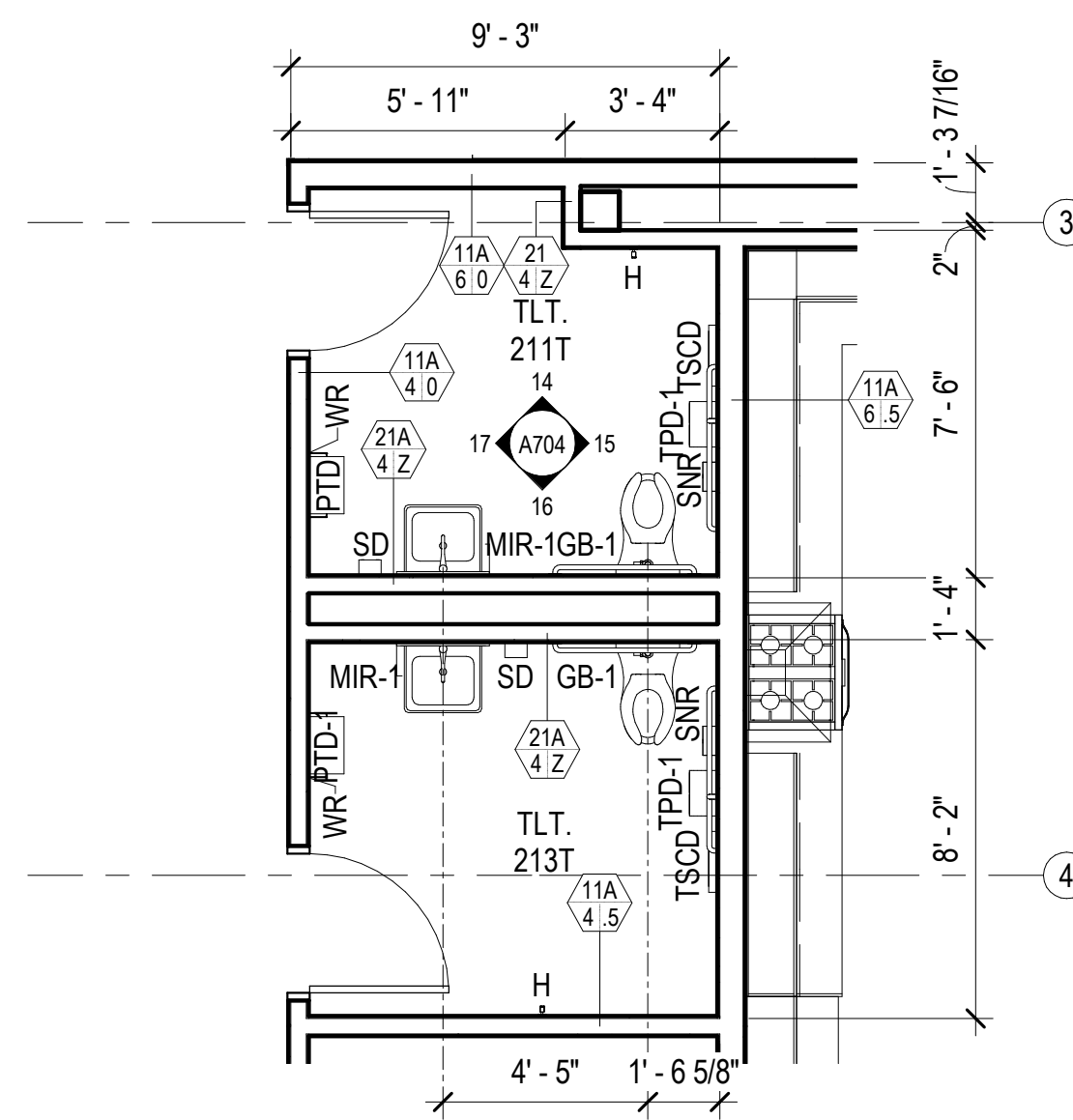
8/24/2022 7:07:00 AM BIM 360://20-130 Haines Public Safety Facility/20-130 HPSF-A-model.rvt



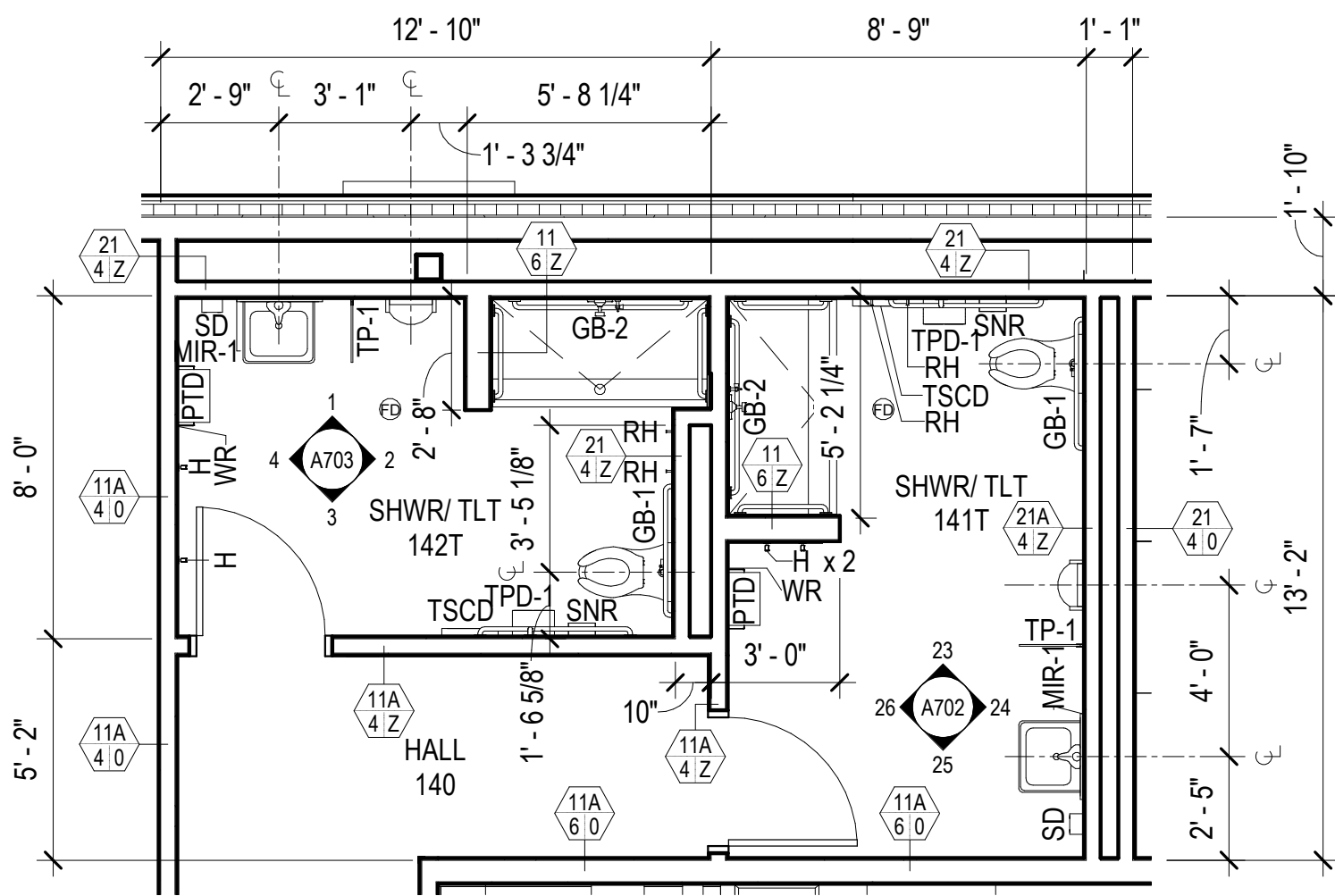
**1 TOILET ROOMS 111T & 113T**  
A601 1/4" = 1'-0"



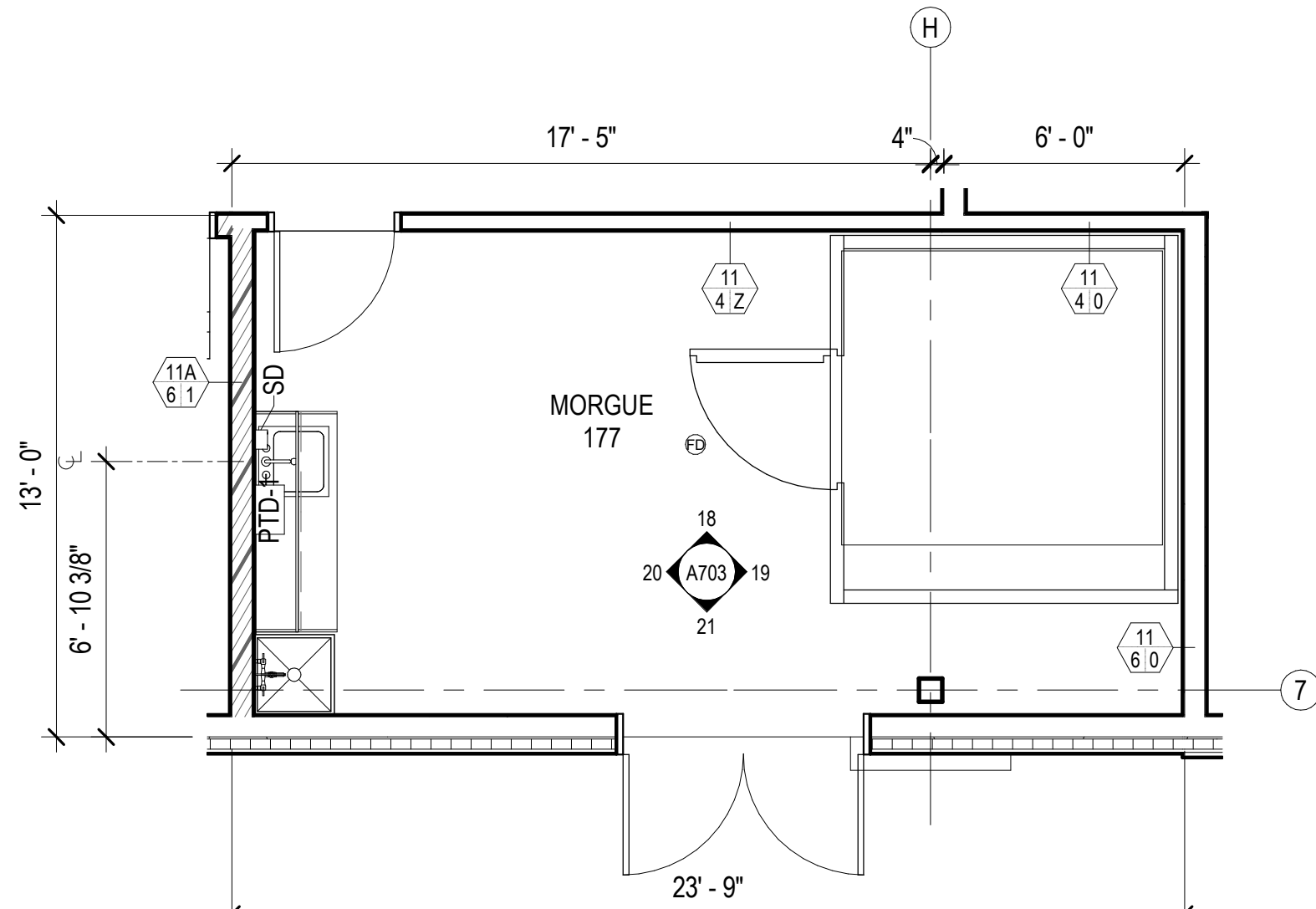
**4 SOFT HOLD 168 & BREAK 131**  
A601 1/4" = 1'-0"



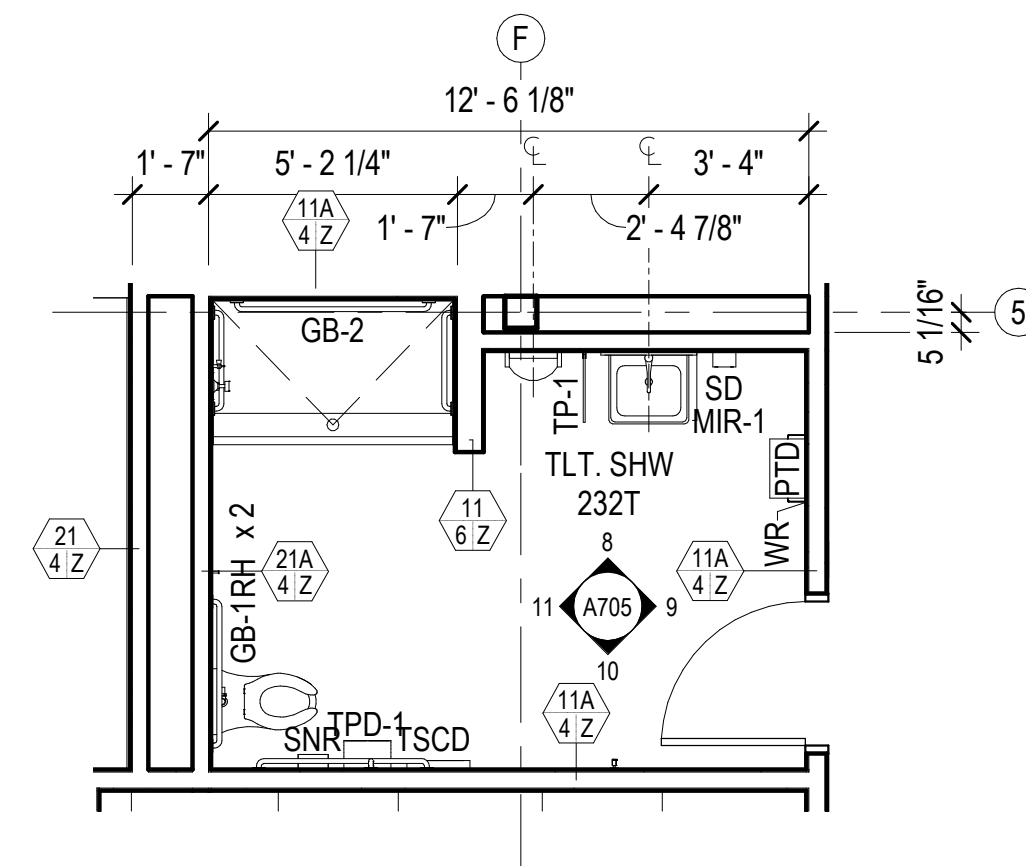
**7 TOILET ROOMS 211T & 213T**  
A601 1/4" = 1'-0"



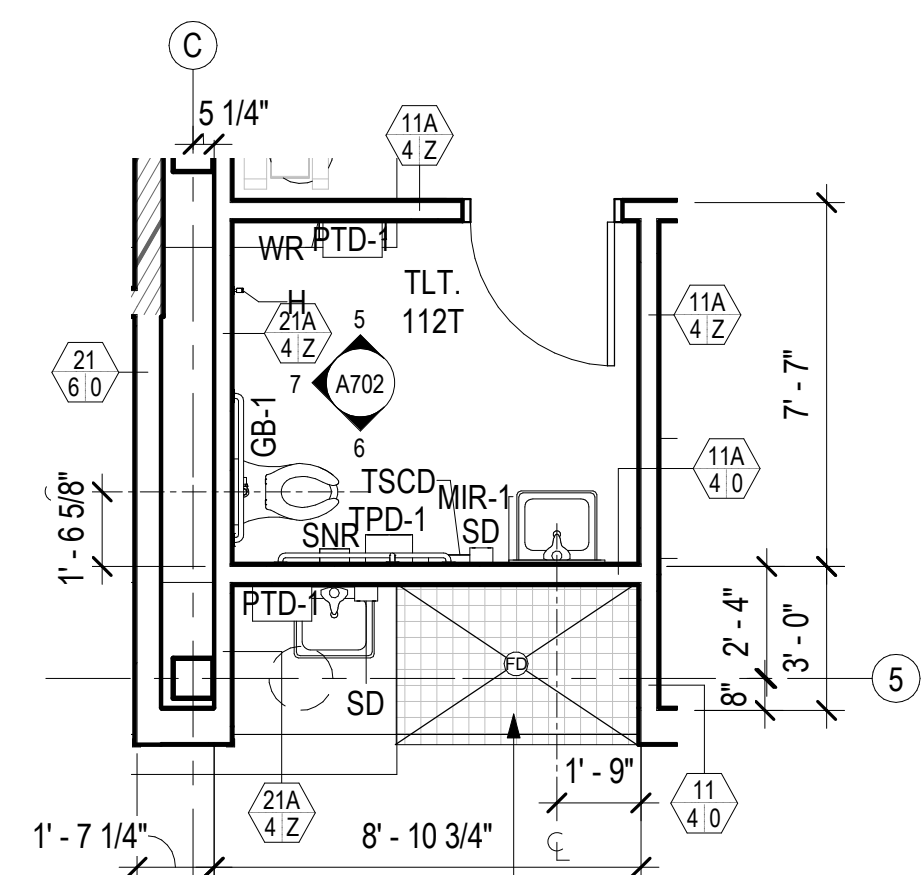
**2 SHOWER/ TOILET 141T & 142T**  
A601 1/4" = 1'-0"



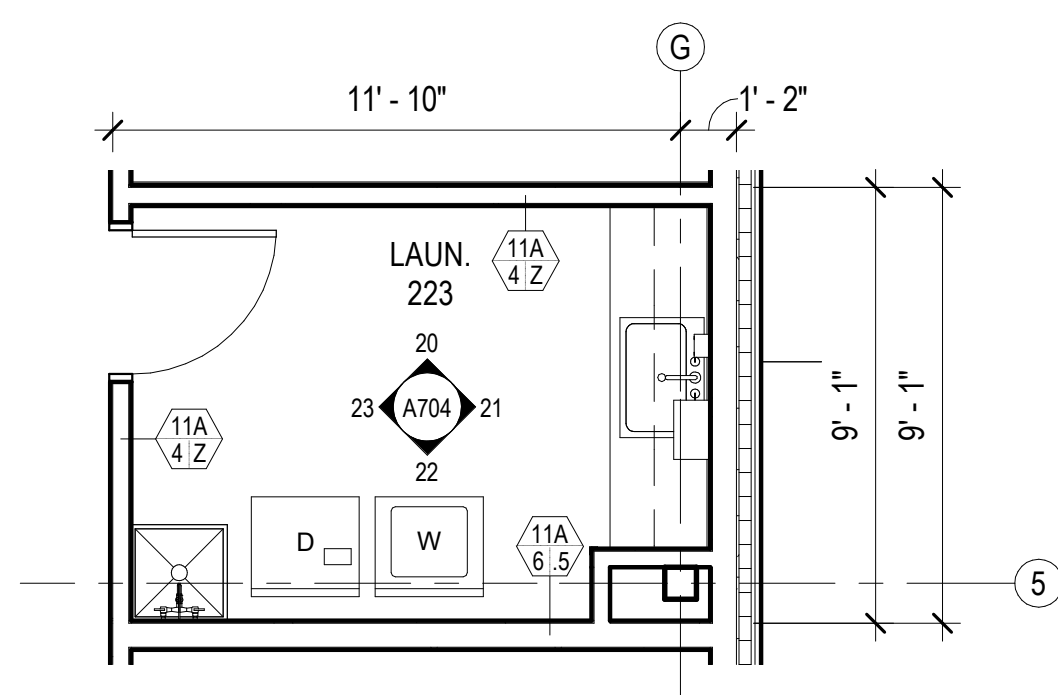
**5 MORGUE 177**  
A601 1/4" = 1'-0"



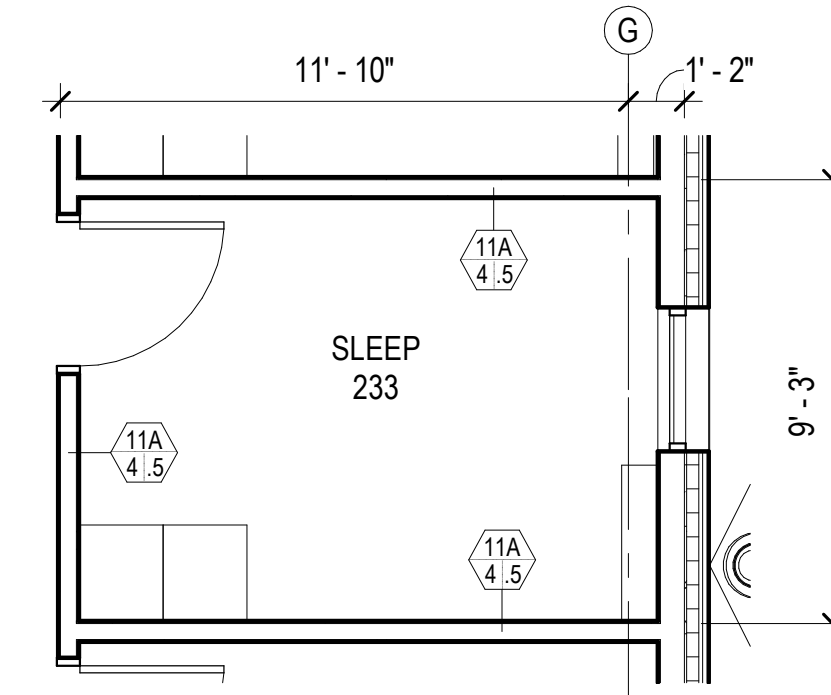
**8 TOILET/SHOWER 232T**  
A601 1/4" = 1'-0"



**3 TOILET ROOM 112T**  
A601 1/4" = 1'-0"



**6 LAUNDRY 225**  
A601 1/4" = 1'-0"



**9 TYPICAL SLEEP ROOM**  
A601 1/4" = 1'-0"

**GENERAL FLOOR PLAN NOTES**

**FIELD VERIFICATION:** THE CONTRACTOR SHALL FIELD-VERIFY ALL DIMENSIONS PRIOR TO WORK. PROMPTLY NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CONTRACTING OFFICER IN WRITING OF ALL DISCREPANCIES IN NEW OR EXISTING CONDITIONS.

**DIMENSIONING GUIDE:** ALL DIMENSIONS ARE TAKEN FROM GRIDS OR FACE OF METAL STUD UNLESS OTHERWISE NOTED. DIMENSIONS BETWEEN SURFACES WILL BE NOTED WHERE APPLICABLE FROM MATERIAL FINISHES. UNLESS OTHERWISE NOTED ALL DIMENSIONS REFERENCED HEREIN ARE IMPERIAL STANDARDS AND SHALL BE TREATED WITHOUT ANY HIERARCHY OR ORDER OF PRECEDENCE.

**REFERENCE ELEVATION:** ALL ELEVATIONS NOTED ON THIS PLAN CORRESPOND TO REFERENCE ELEVATION [0'-0"] FOR THIS FLOOR LEVEL. VARIANCES IN THIS ELEVATION MAY EXIST, AS INDICATED. UPPER FLOOR ELEVATIONS TO BE NOTED ACCORDINGLY.

**REFLECTED CEILING PLANS:** REFER TO A200 SERIES SHEETS FOR CORRESPONDING RCPS.

**PARTITION/WALL RATINGS:** UNLESS OTHERWISE NOTED PARTITION/WALL FIRE/SMOKE RATINGS ARE DESIGNATED ON SHEETS G003.

**DOOR OPENINGS:** ALL DOOR OPENINGS ARE TAGGED IN CORRESPONDENCE WITH THE DOOR TYPE SCHEDULE ON SHEET A901. THIS MAY INCLUDE MISCELLANEOUS OPENINGS SUCH AS OVERHEAD SECTIONAL OR COILING, SLIDING, AND OPERABLE PANEL ASSEMBLIES. TYPICAL DOOR JAMBS ARE LOCATED 6" FROM FACE OF STUD AT ADJACENT WALL TO JAMB ROUGH OPENING UNO.

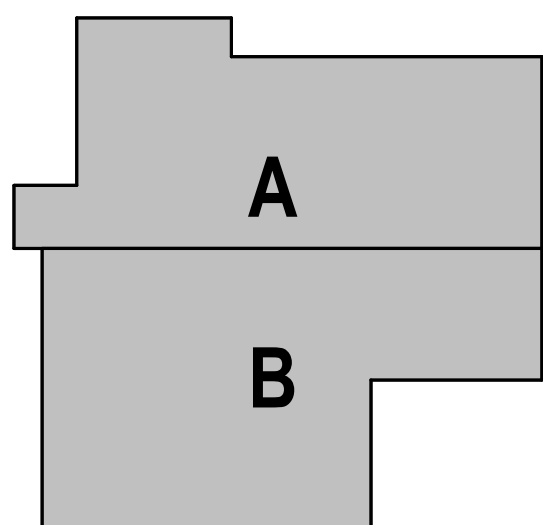
**WINDOW OPENINGS:** ALL WINDOW OPENINGS ARE TAGGED IN CORRESPONDENCE WITH THE WINDOW TYPE SCHEDULE ON SHEET A902. THIS MAY INCLUDE MISCELLANEOUS OPENINGS SUCH AS STOREFRONT AND CURTAIN WALL ASSEMBLIES.

**ROOM FINISHES:** ALL ROOM NAMES/NUMBERS ARE TAGGED IN CORRESPONDENCE WITH THE ROOM FINISH SCHEDULE ON SHEET A911 & A912.

**EQUIPMENT PLANS:** REFER TO SHEETS [EQ101] FOR SPECIFIC EQUIPMENT LAYOUT PLANS AND EQUIPMENT DATA.

**MOUNTING HEIGHTS:** REFER TO SHEET A701 FOR TYPICAL MOUNTING HEIGHTS FOR FIXTURES, ACCESSORY ITEMS, AND MISCELLANEOUS DEVICES.

**FLOOR SLOPE:** UNLESS OTHERWISE NOTED THE FLOOR SHALL BE SLOPED TO THE DRAIN IN AREAS TO RECEIVE FLOOR DRAINS SUCH AS RESTROOM/TOILET AREAS, KITCHENS, AND GARAGES.



CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: CC  
CHECKED BY: AK

REVISION	DESCRIPTION	DATE

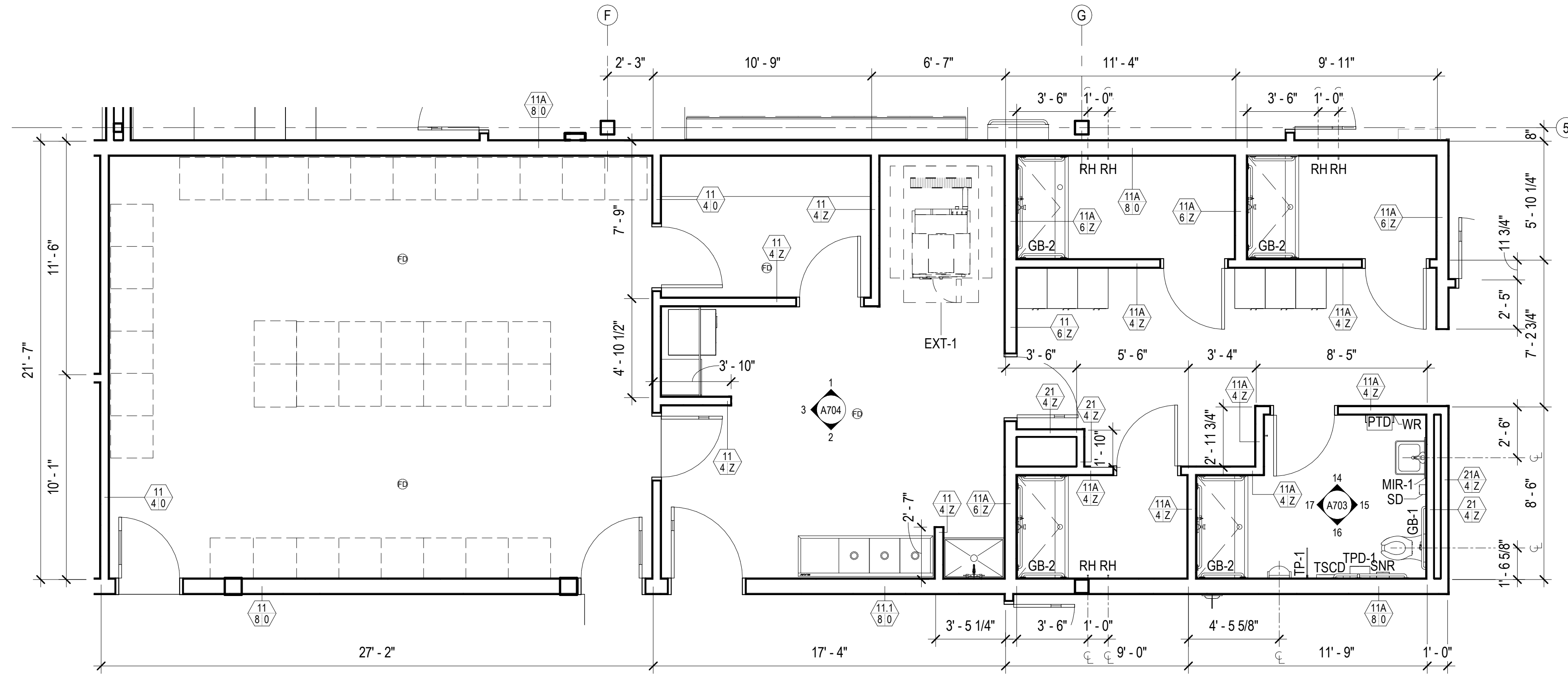
ENLARGED PLANS

**A601**

NOT FOR CONSTRUCTION

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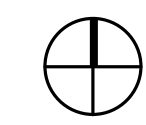
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1 SHOWER & SHOWER/ TOILET, TYP  
 A602 1/4" = 1'-0"



TRUE NORTH



PLAN NORTH

NOT FOR CONSTRUCTION

CONSULTANT:

PROJECT NO: 20-130  
 DATE: 2022-08-25  
 DRAWN BY: CC  
 CHECKED BY: AK

REVISION	DESCRIPTION	DATE

ENLARGED PLANS  
**A602**

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND  
 TRAINING CENTER**  
 HAINES, ALASKA

65% PRICING SET

**BETTISWORTH  
 NORTH**

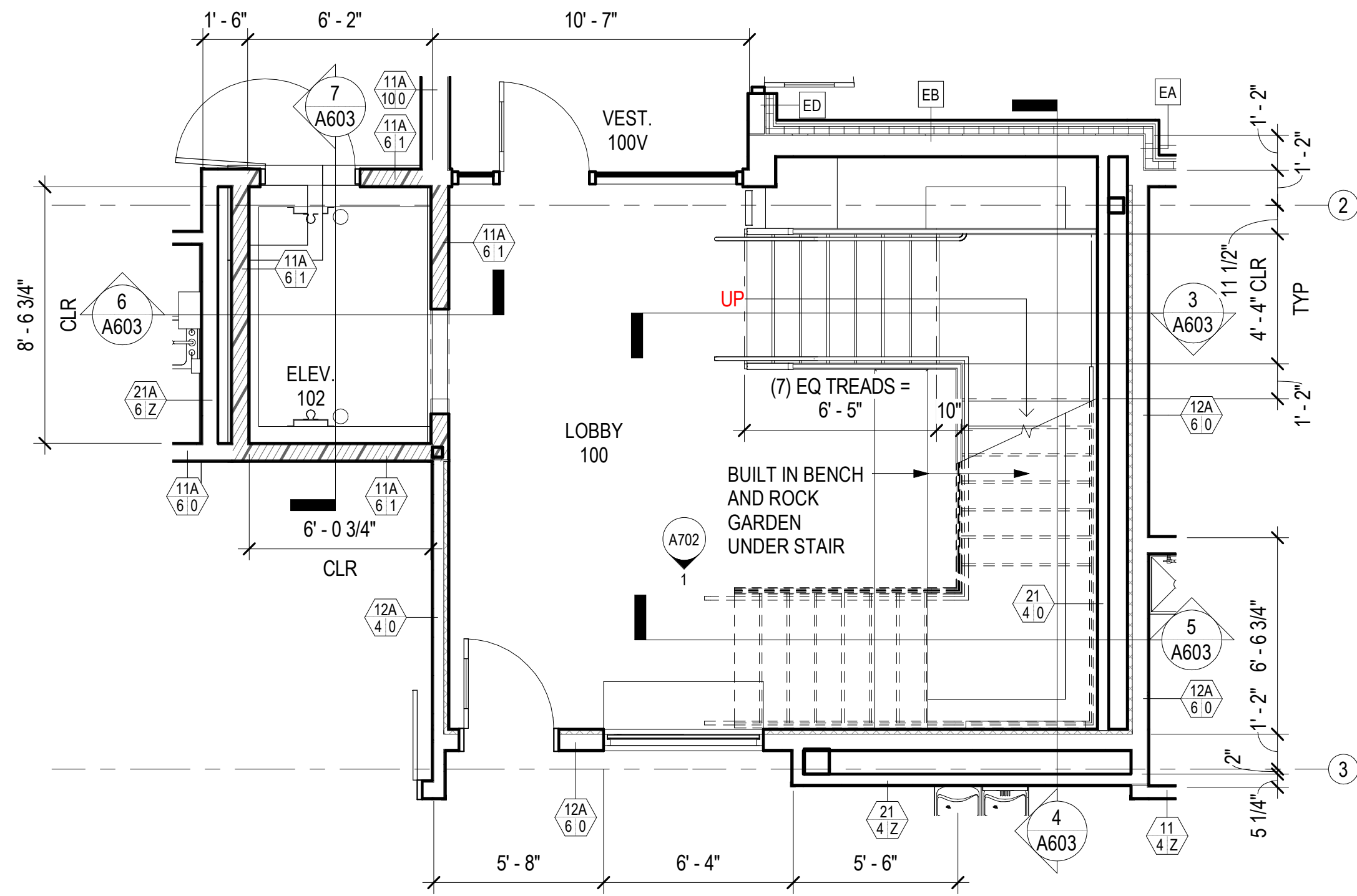
CORPORATE NO. AECC219 BETTISWORTH.COM

BETTISWORTH NORTH ARCHITECTS & PLANNERS

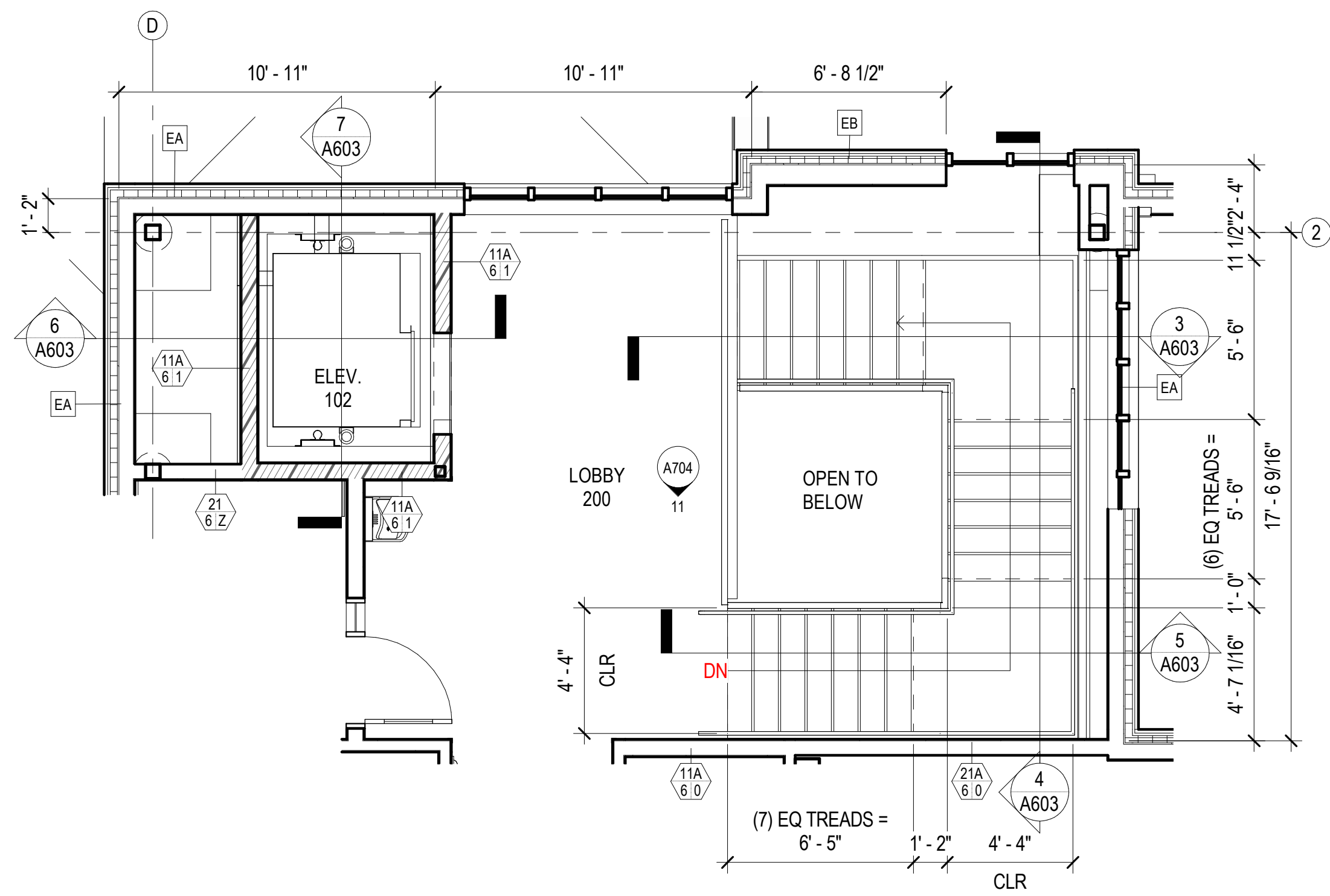
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

BIM 360/20-130 Haines Public Safety Facility/20-130 HPSF-A-model.rvt

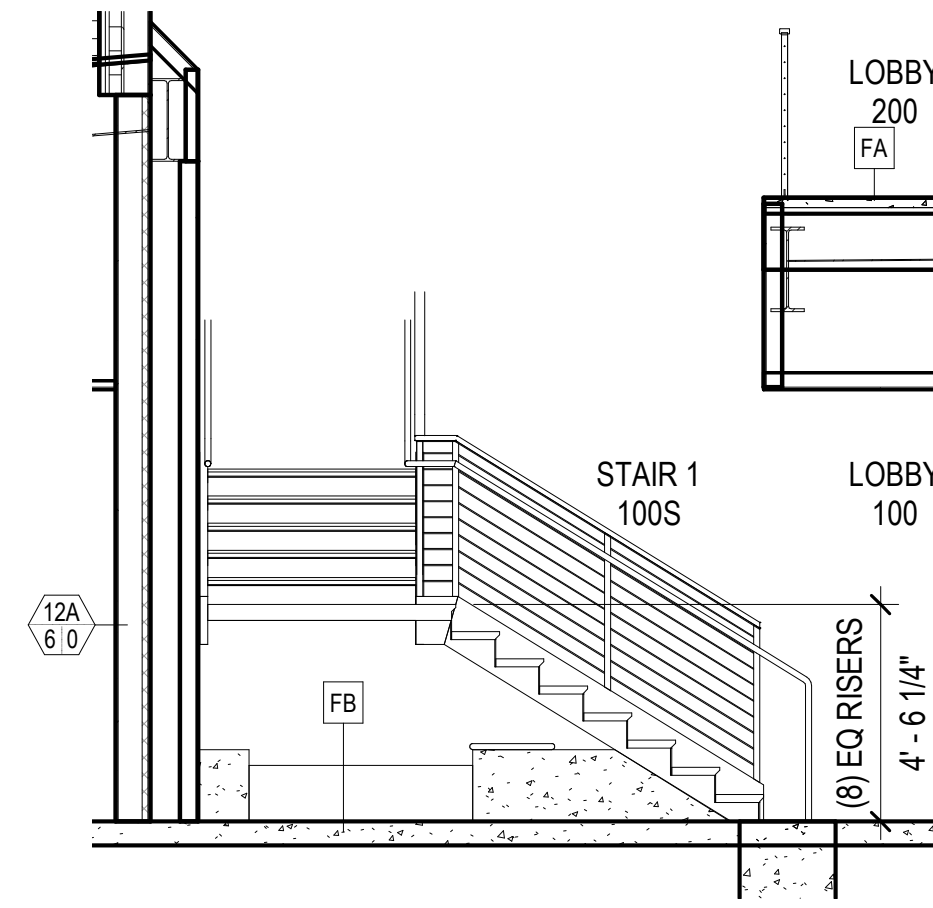
8/24/2022 7:07:04 AM



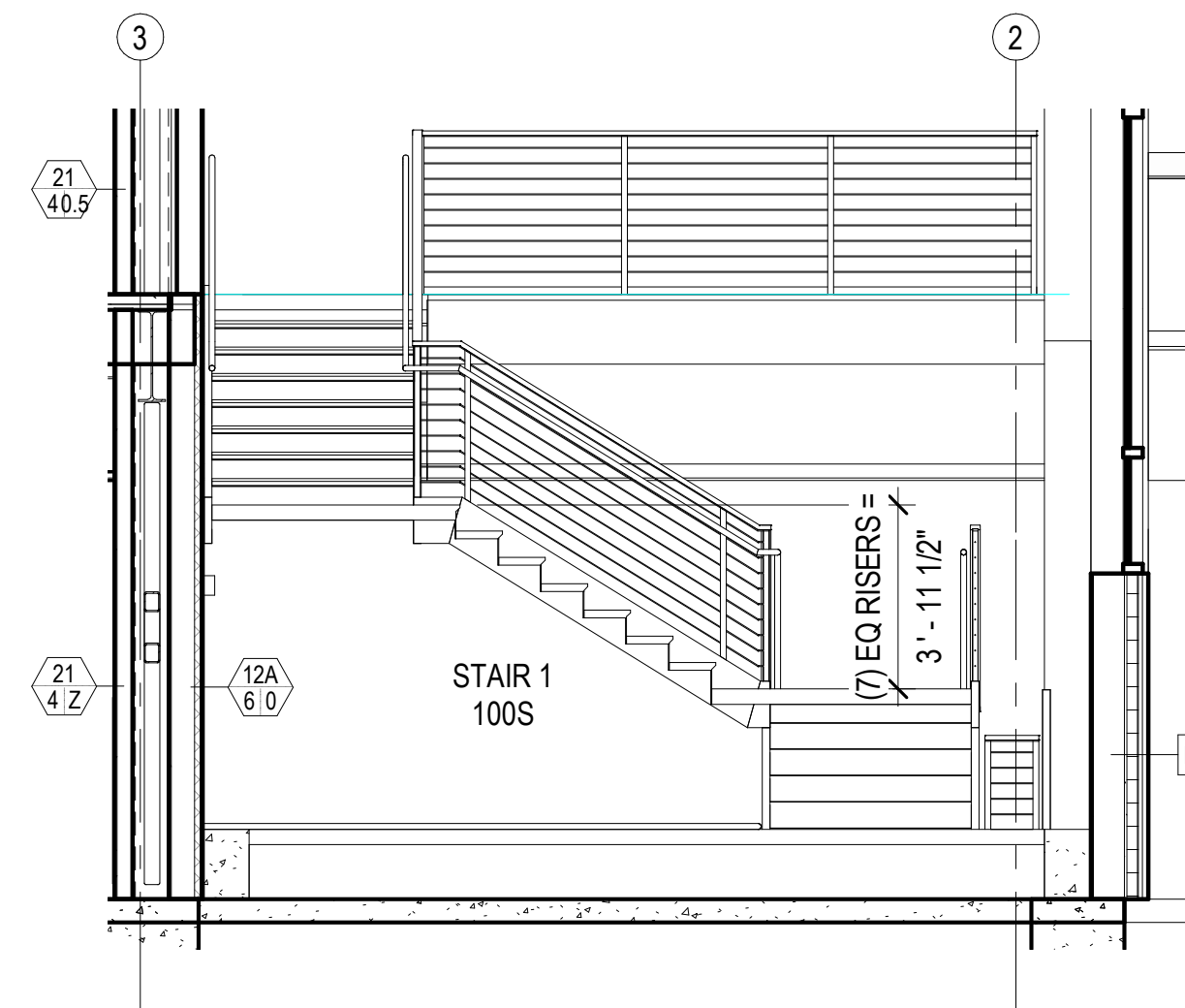
1 LOBBY 101/STAIR  
A603 1/4" = 1'-0"



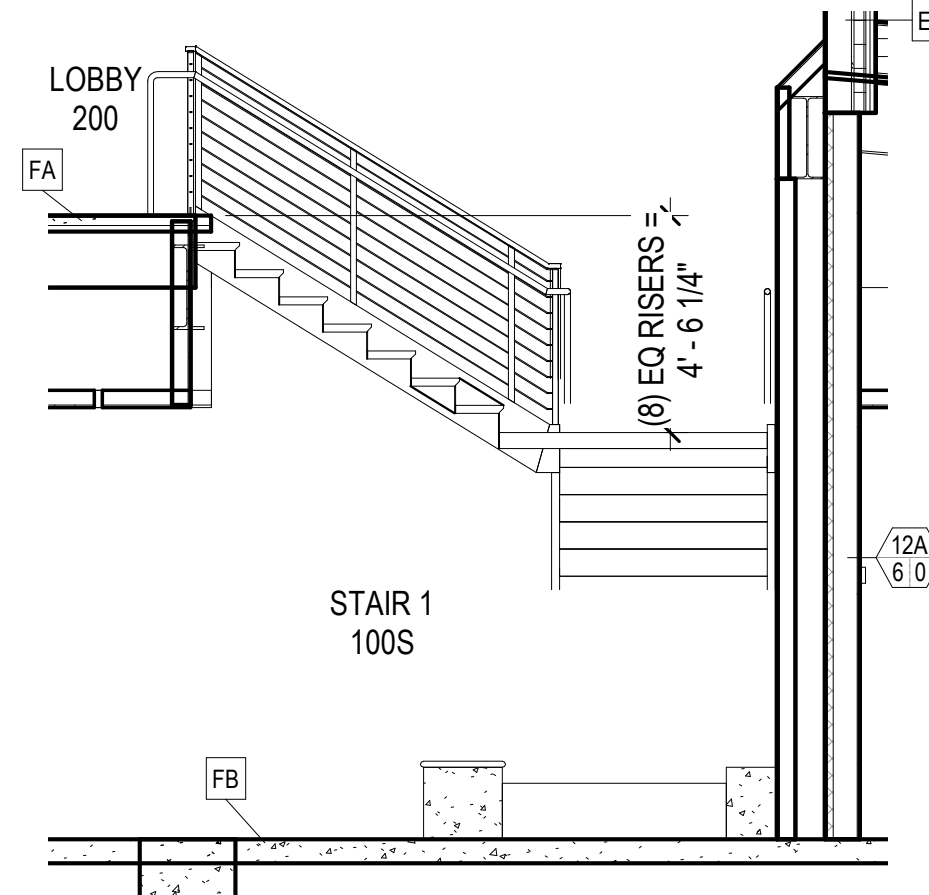
2 LOBBY 201/STAIR  
A603 1/4" = 1'-0"



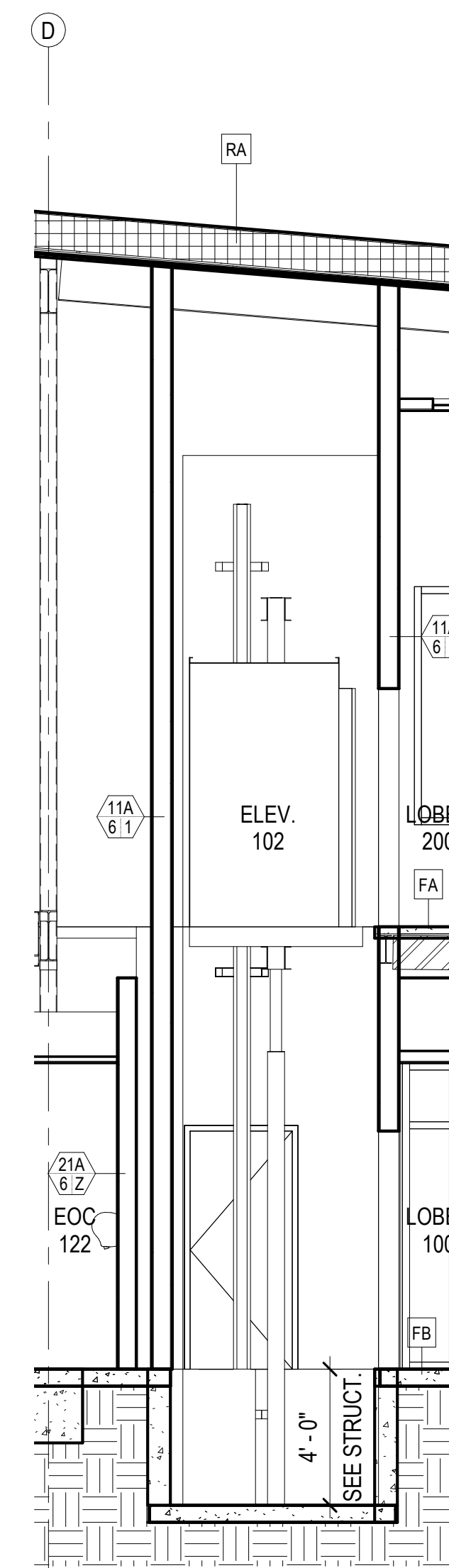
3 LOBBY 101/STAIR - N1  
A603 1/4" = 1'-0"



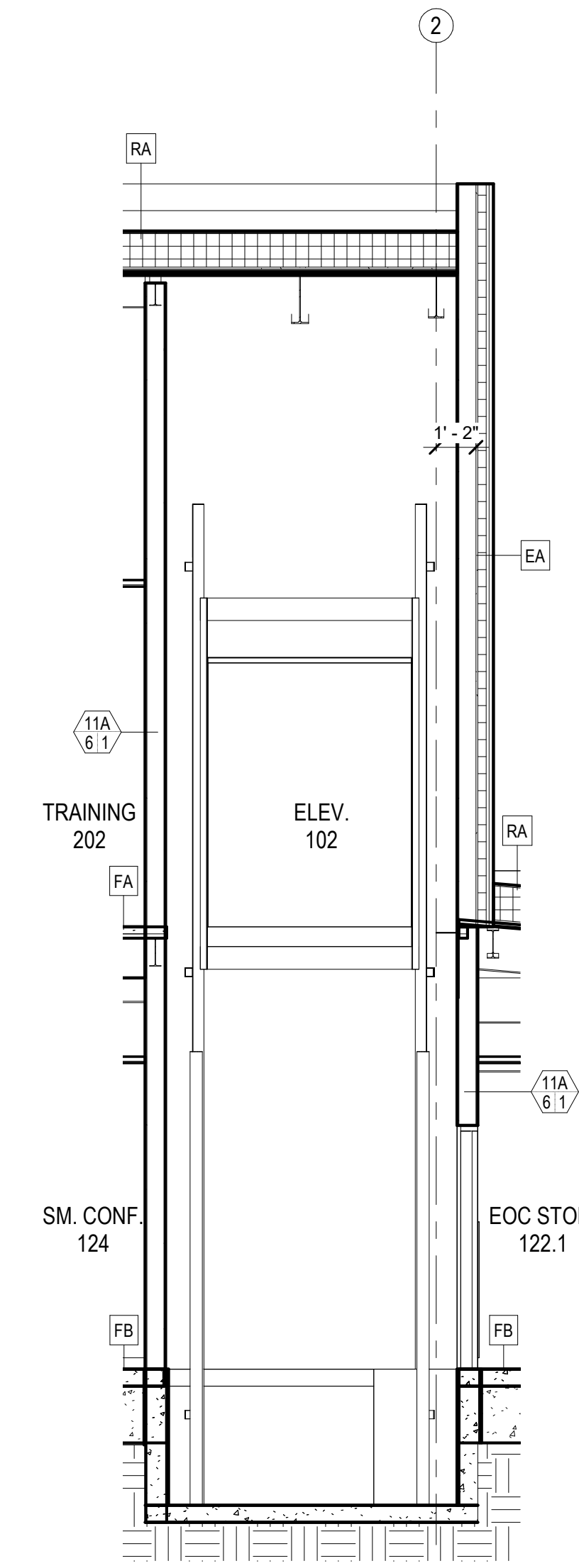
4 LOBBY 101/STAIR - W1  
A603 1/4" = 1'-0"



5 LOBBY 101/STAIR - N2  
A603 1/4" = 1'-0"



6 ELEVATOR - N  
A603 1/4" = 1'-0"



7 ELEVATOR - W  
A603 1/4" = 1'-0"

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: JLL  
CHECKED BY: RR

REVISION	DESCRIPTION	DATE

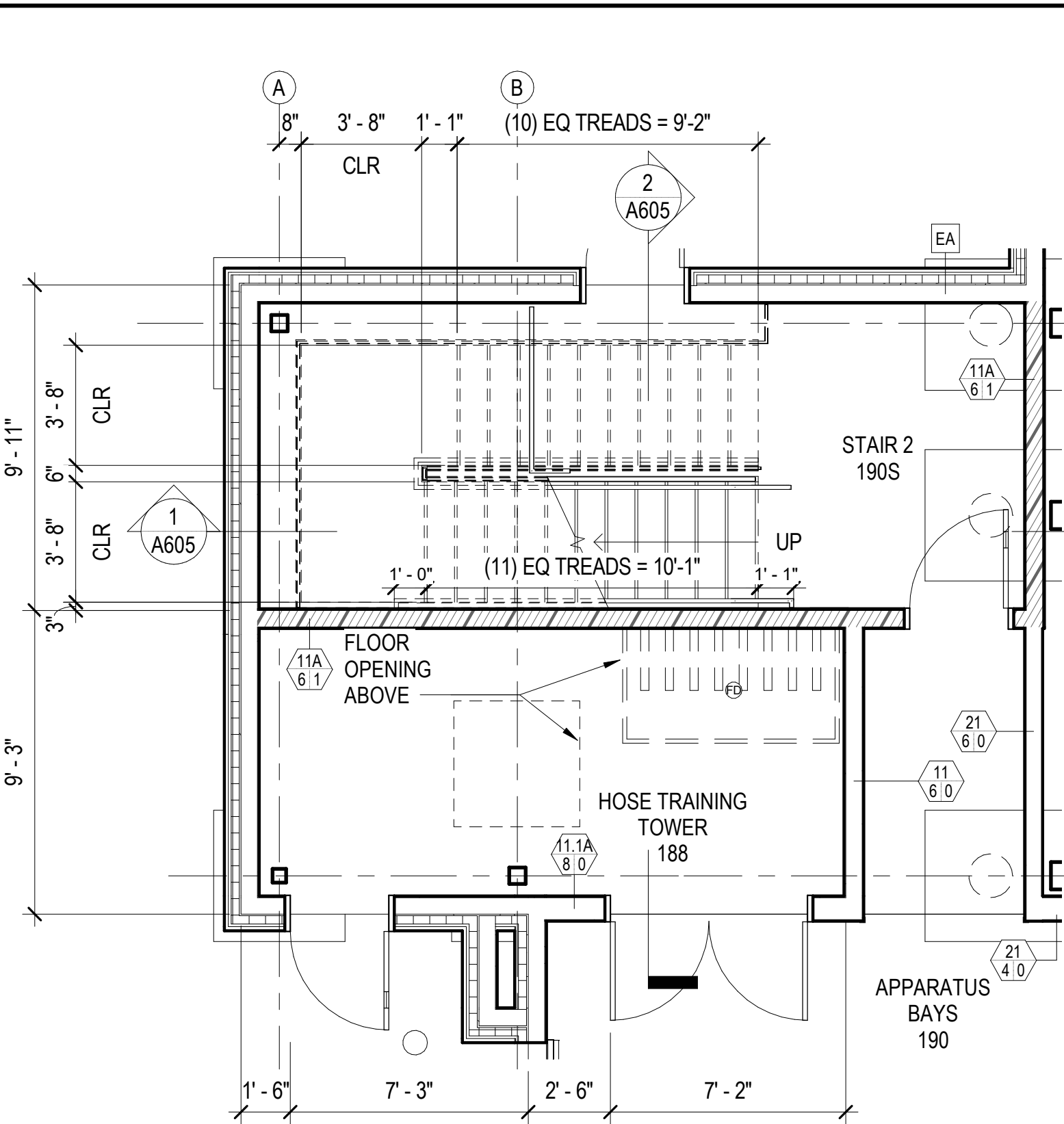
ENLARGED PLANS  
**A603**

NOT FOR CONSTRUCTION

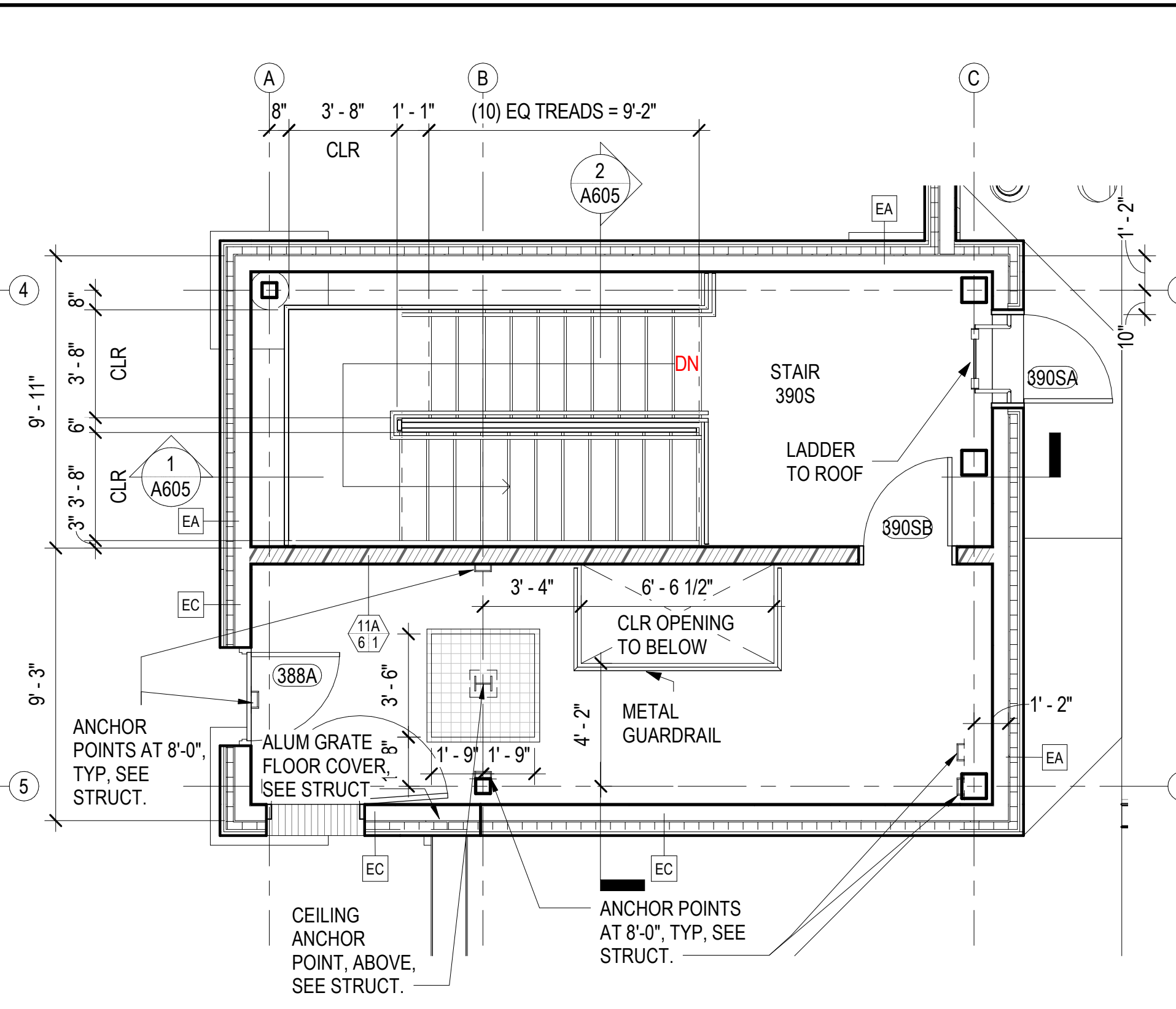
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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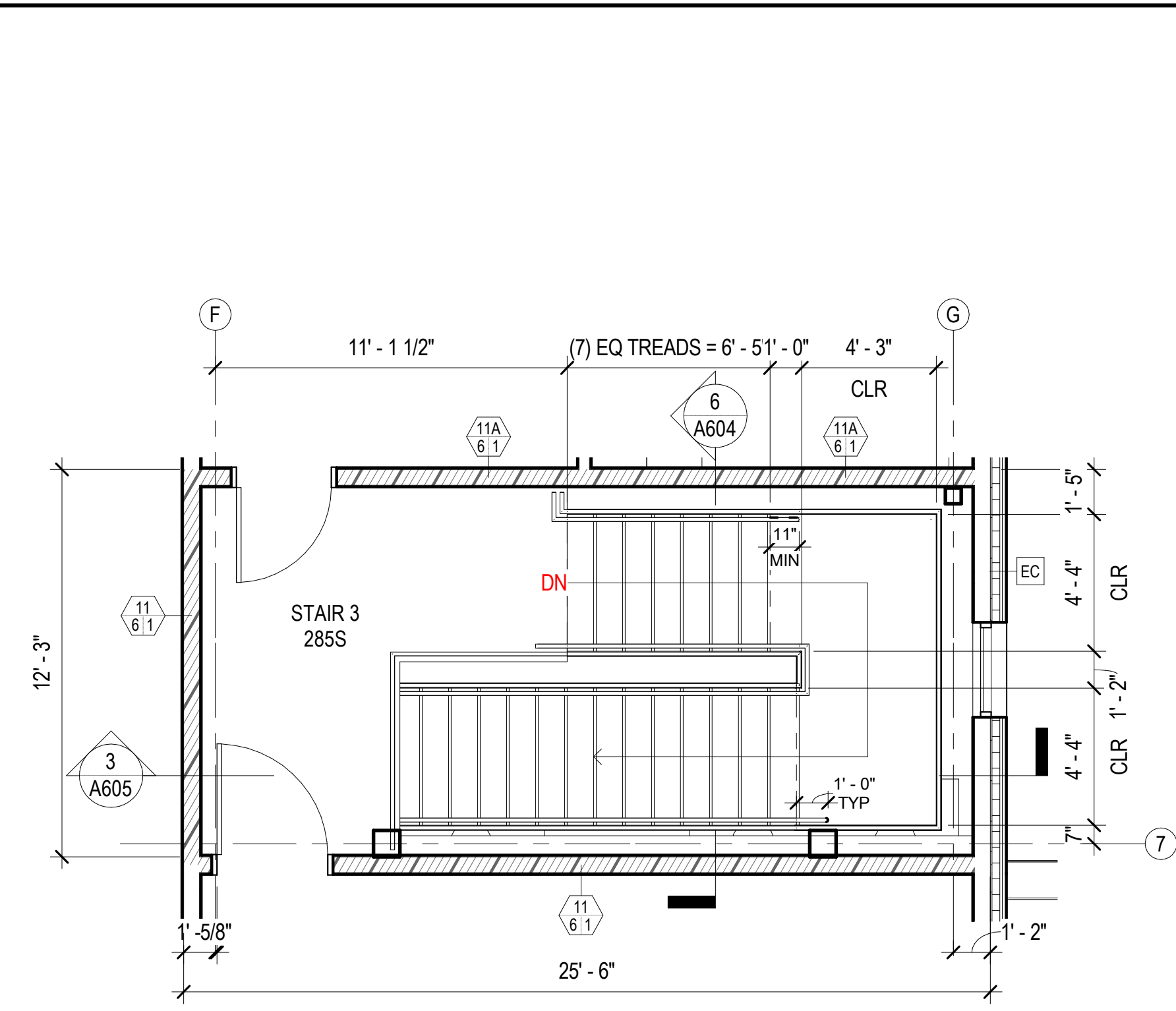
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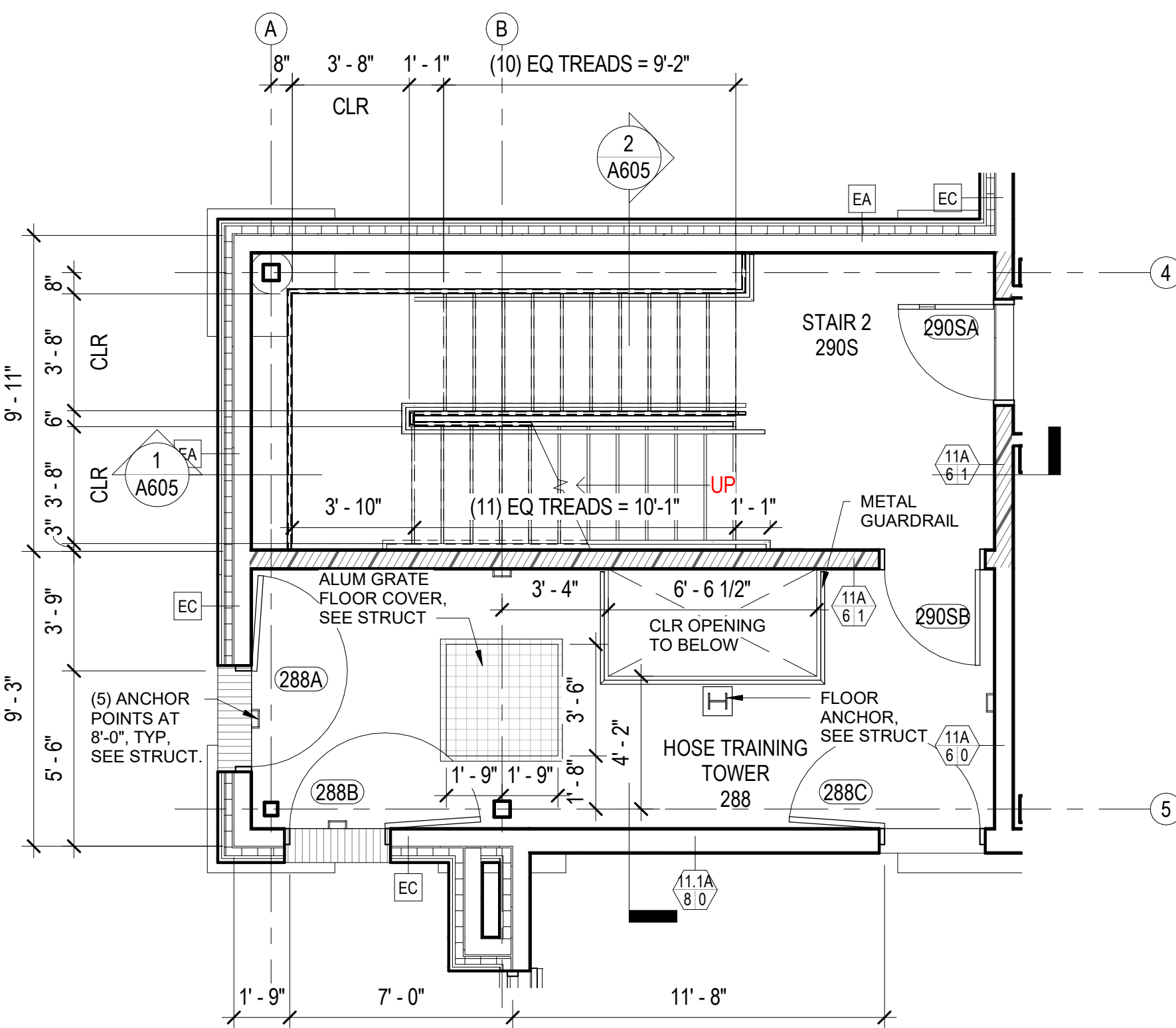
**1 FIRST FLOOR - STAIR 2**  
A604 1/4" = 1'-0"



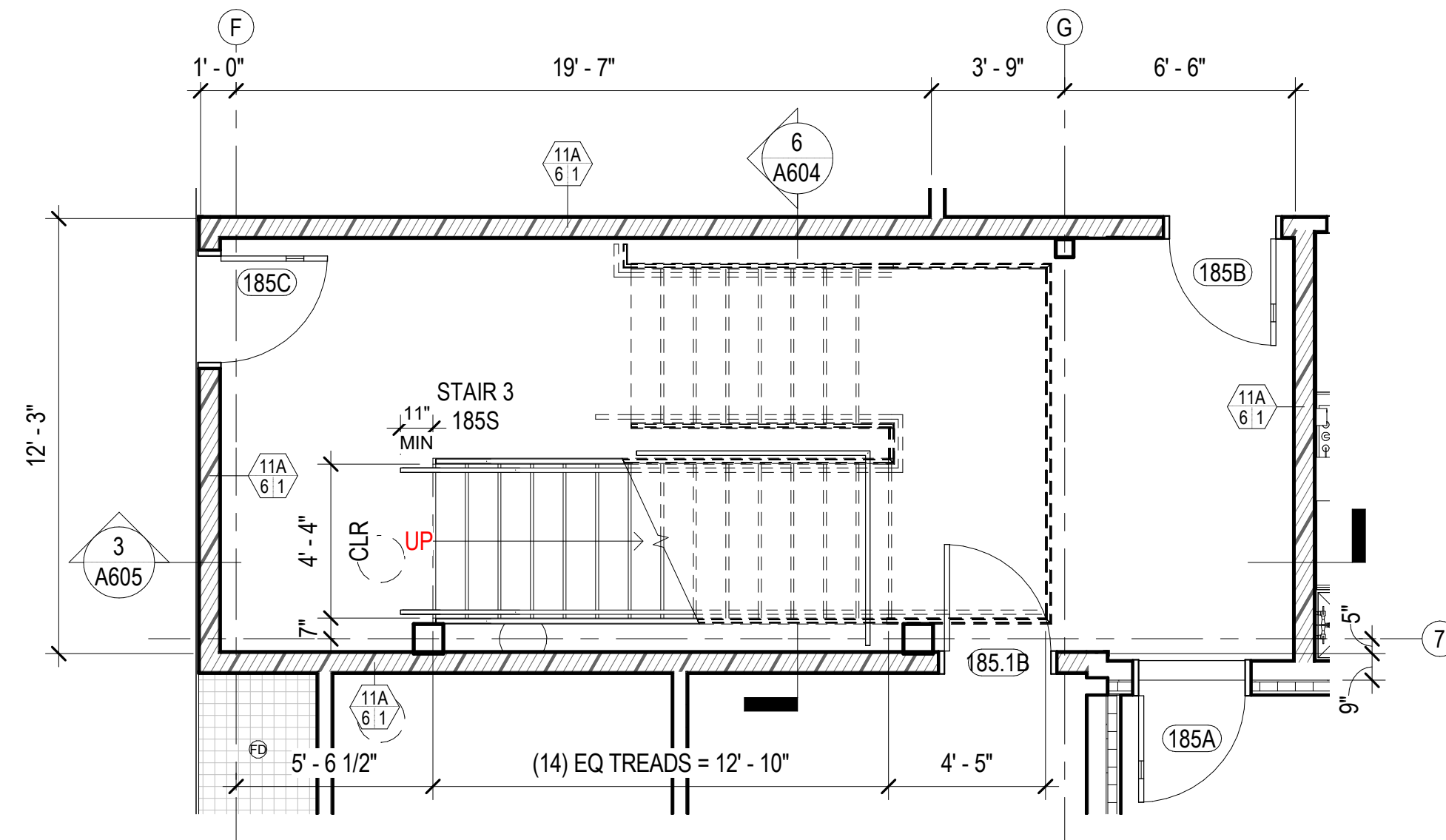
**3 THIRD FLOOR - STAIR 2**  
A604 1/4" = 1'-0"



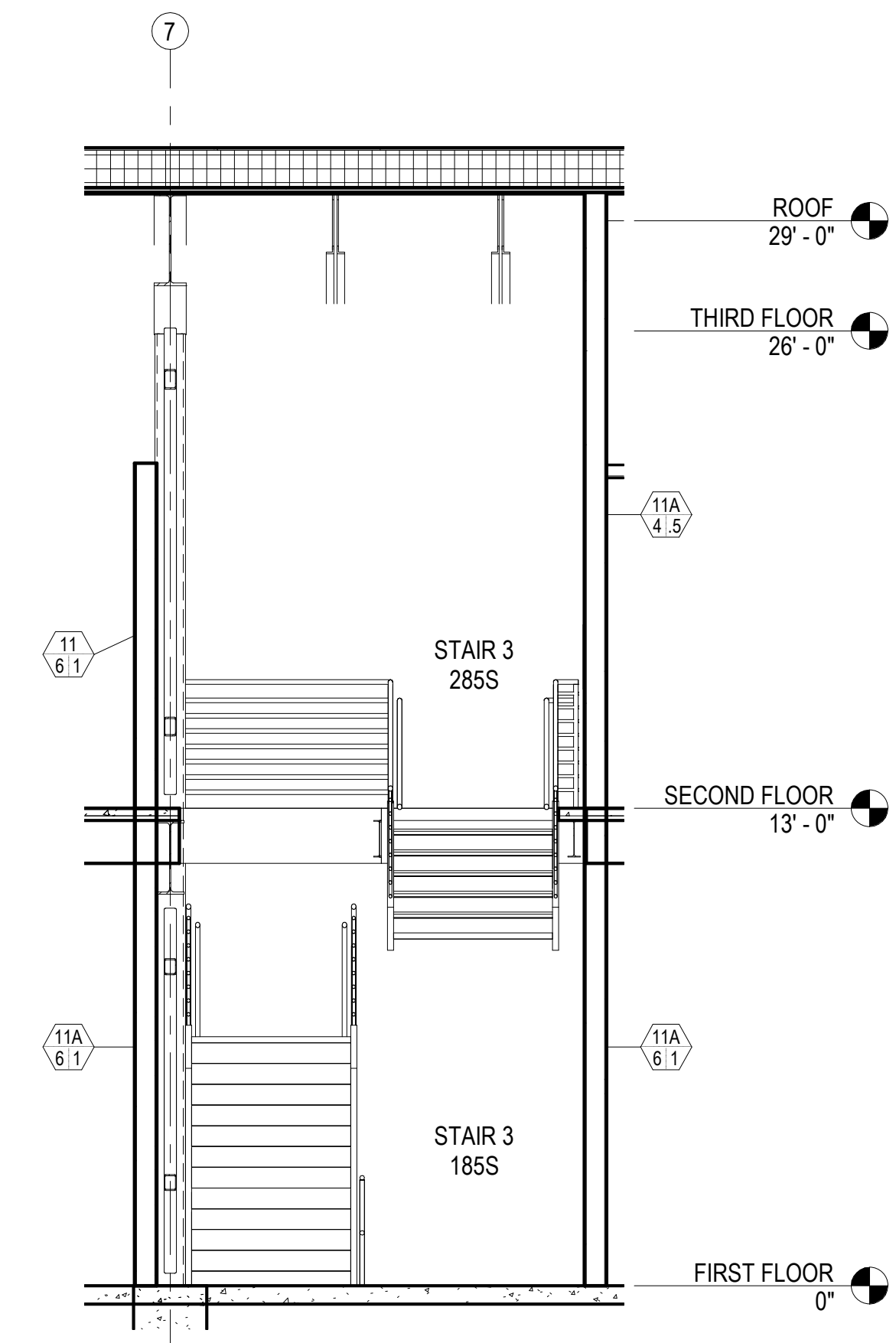
**5 SECOND FLOOR - STAIR 3**  
A604 1/4" = 1'-0"



**2 SECOND FLOOR - STAIR 2**  
A604 1/4" = 1'-0"



**4 FIRST FLOOR - STAIR 3**  
A604 1/4" = 1'-0"



**6 STAIR 3 - W**  
A604 1/4" = 1'-0"

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: JLL  
CHECKED BY: RR

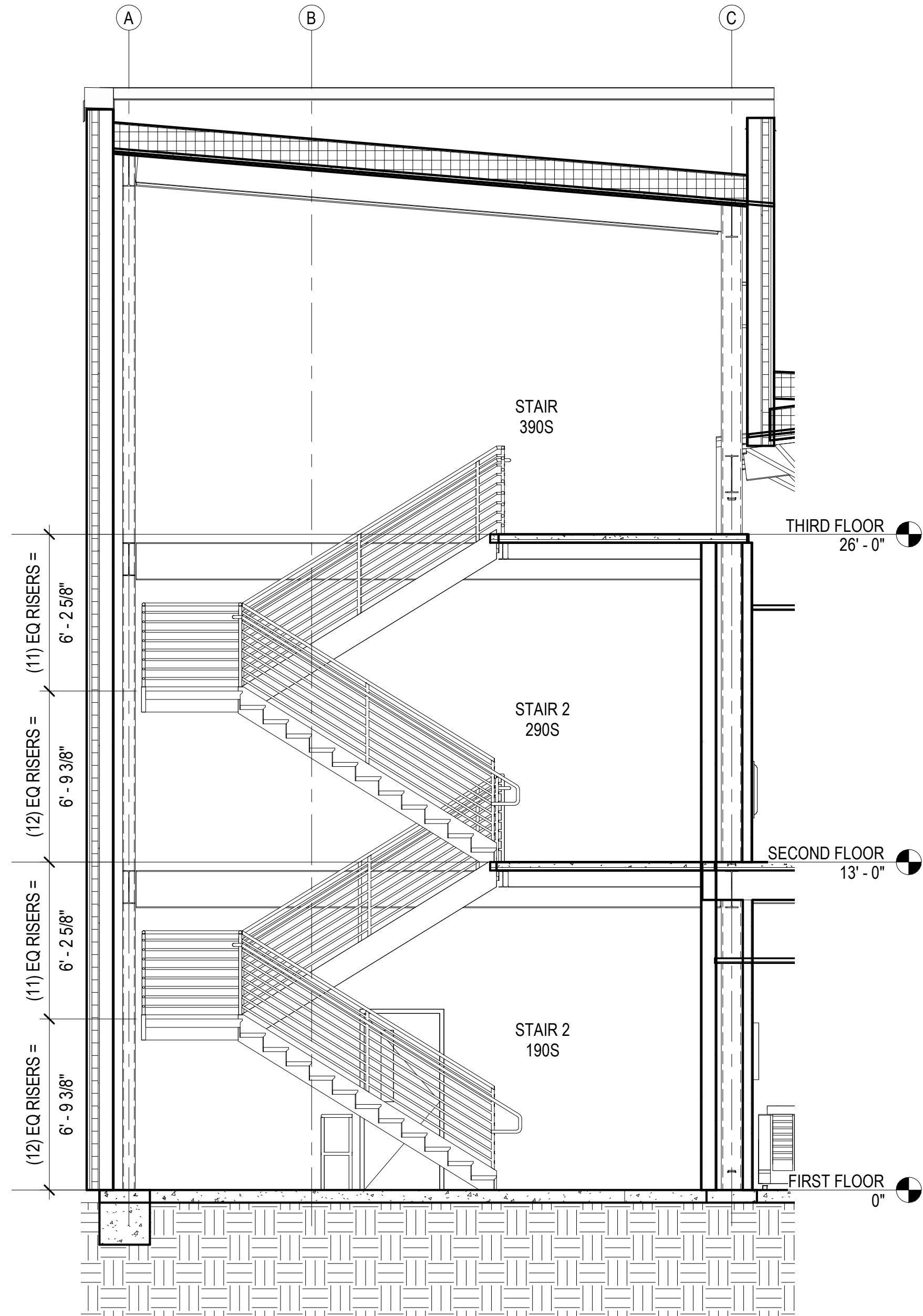
REVISION	DESCRIPTION	DATE

NOT FOR CONSTRUCTION

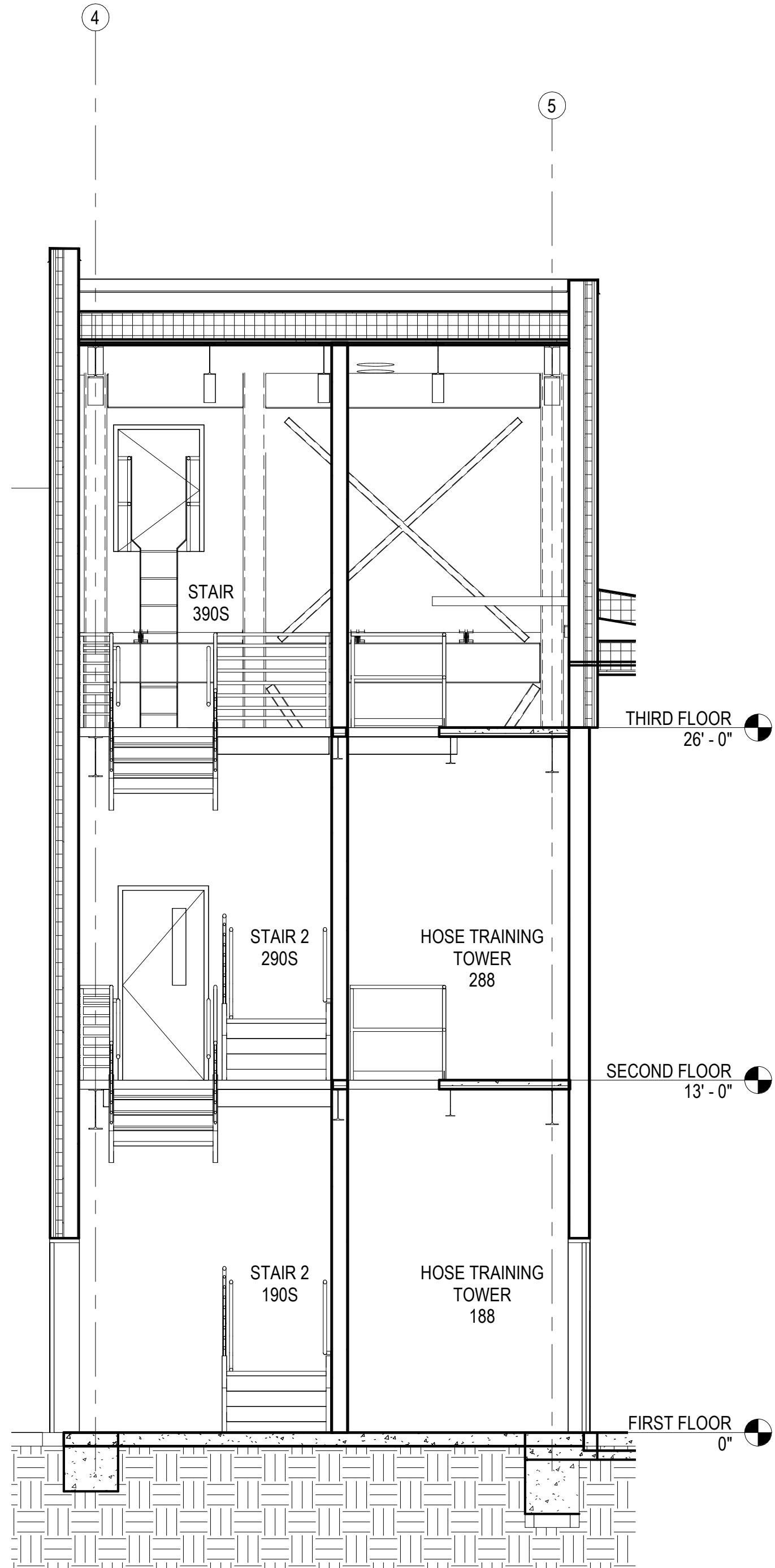
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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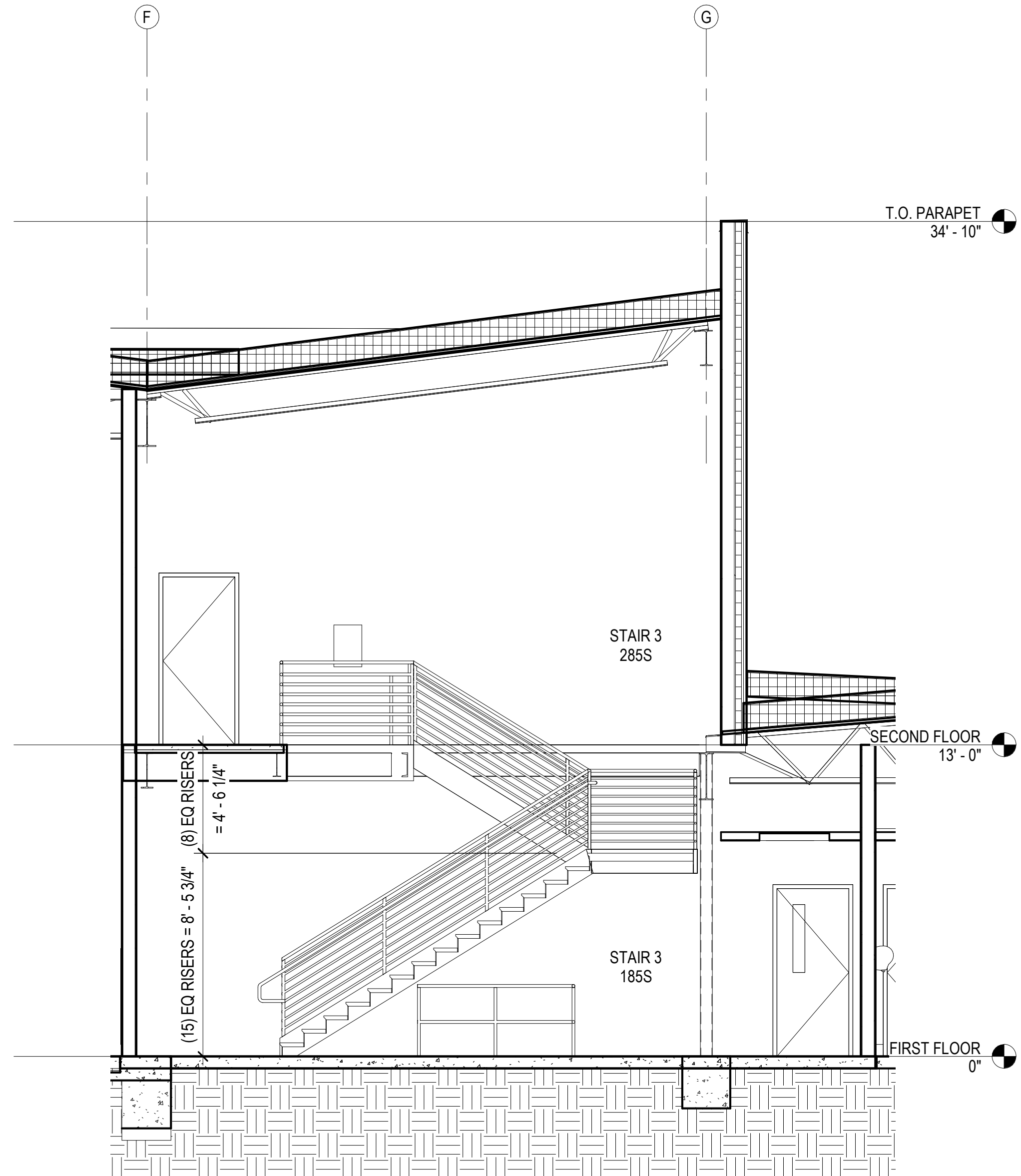
8/24/2022 7:07:09 AM



1 STAIR 2 - N  
A605 1/4" = 1'-0"



2 STAIR 2 - E  
A605 1/4" = 1'-0"



3 STAIR 3 - N  
A605 1/4" = 1'-0"

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND  
TRAINING CENTER**  
HAINES, ALASKA

65% PRICING SET

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: JLL  
CHECKED BY: RR

REVISION	DESCRIPTION	DATE

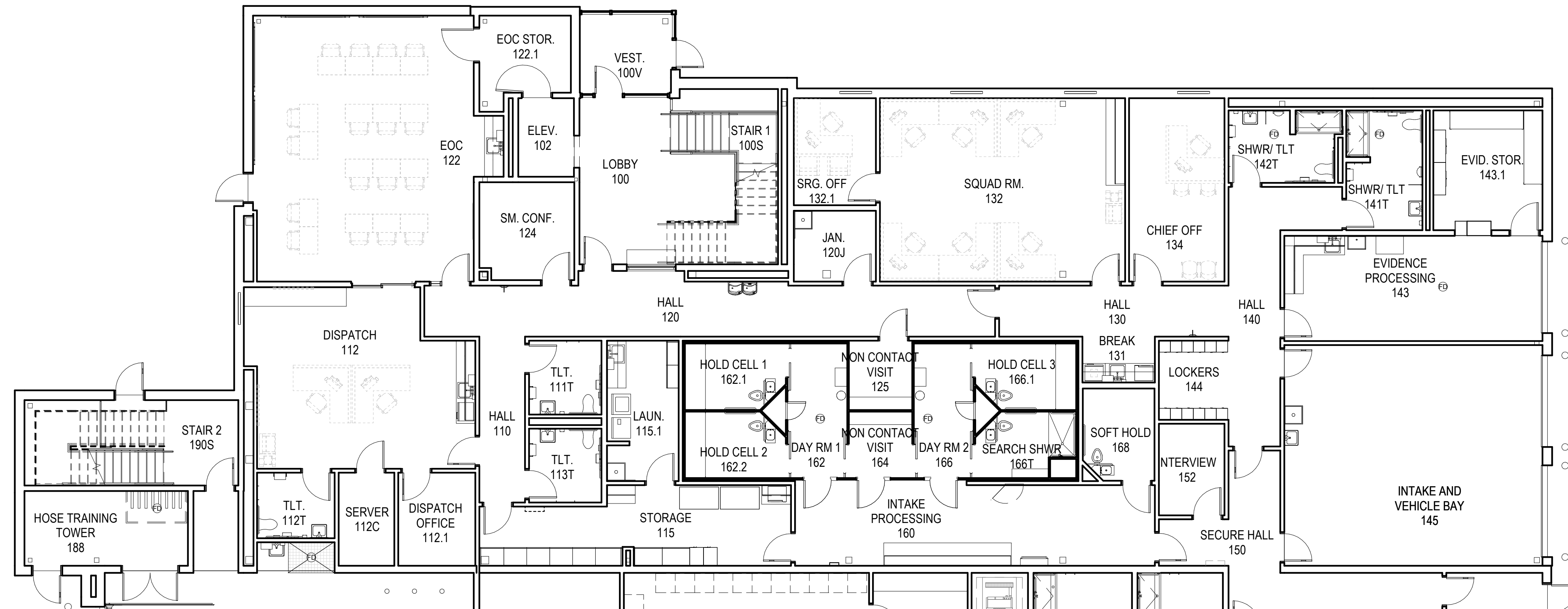
STAIR SECTIONS  
**A605**

NOT FOR CONSTRUCTION



IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

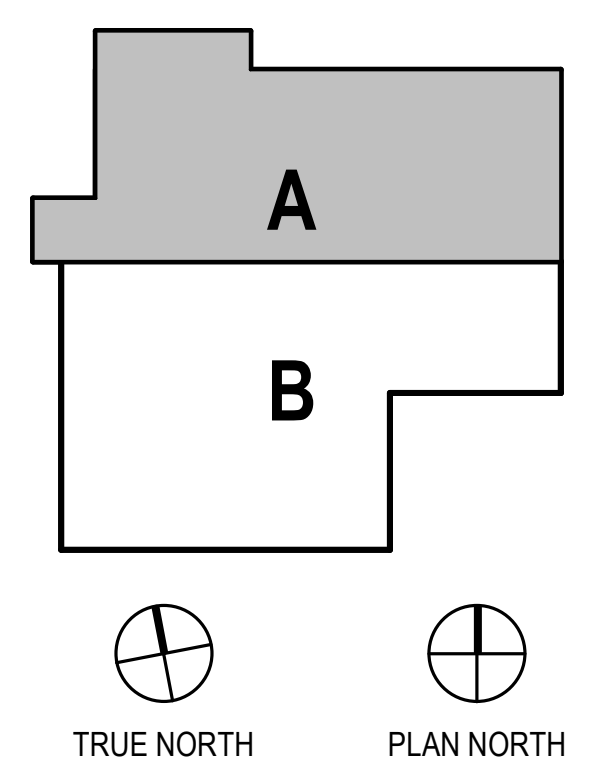
8/24/2022 7:07:10 AM BIM 360://20-130 Haines Public Safety Facility/20-130 HPSF-A-model.rvt



- GENERAL FURNITURE PLAN NOTES**
- A. FURNITURE, FIXTURES, AND EQUIPMENT SHOWN IN GRAY ARE INDICATED FOR REFERENCE ONLY.
  - B. APPLIANCES ARE CONTRACTOR-FURNISHED AND INSTALLED UNO.
  - C. WINDOW COVERINGS ARE CONTRACTOR-FURNISHED AND INSTALLED UNO.
  - D. TOILET ACCESSORIES ARE CONTRACTOR FURNISHED AND INSTALLED UNO.
- FURNITURE PLAN LEGEND**
- MATCHLINE
  - - - OFCI
  - · - · - NIC
  - NOT IN SCOPE

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
 HAINES, ALASKA  
 65% PRICING SET

**1** FIRST FLOOR - FURNITURE PLAN - BLOCK A  
 A611A 1/8" = 1'-0"



CONSULTANT:

PROJECT NO: 20-130  
 DATE: 2022-08-25  
 DRAWN BY: CC  
 CHECKED BY: AK

REVISION	DESCRIPTION	DATE

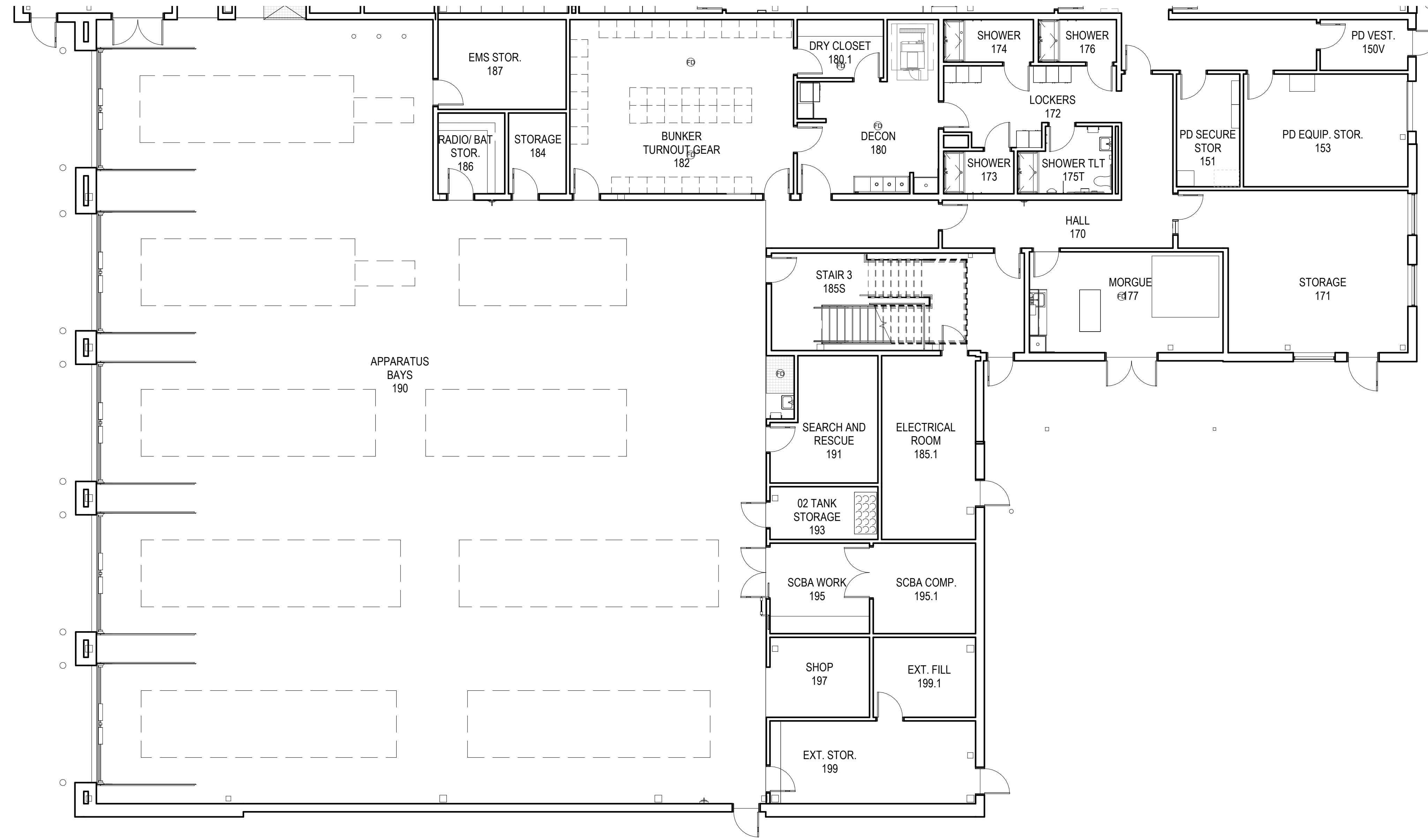
FIRST FLOOR - FURNITURE PLAN - BLOCK A

**A611A**

NOT FOR CONSTRUCTION

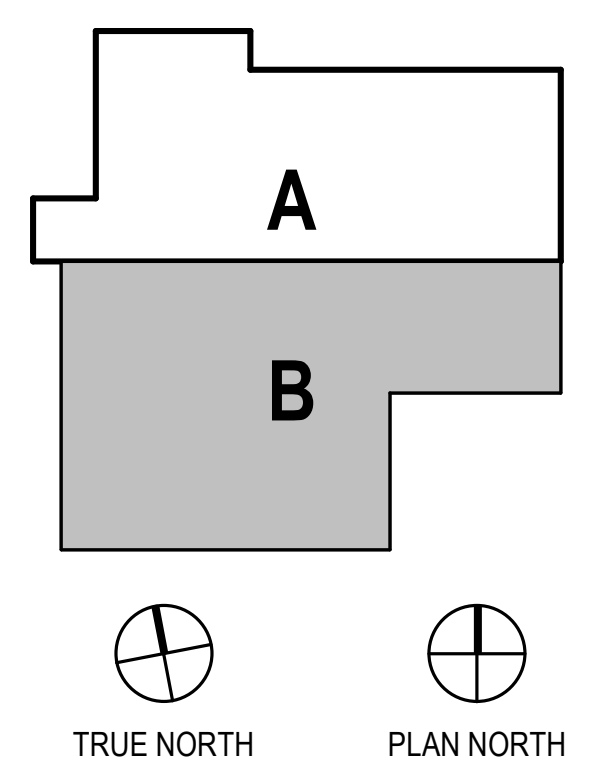
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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- GENERAL FURNITURE PLAN NOTES**
- A. FURNITURE, FIXTURES, AND EQUIPMENT SHOWN IN GRAY ARE INDICATED FOR REFERENCE ONLY.
  - B. APPLIANCES ARE CONTRACTOR-FURNISHED AND INSTALLED UNO.
  - C. WINDOW COVERINGS ARE CONTRACTOR-FURNISHED AND INSTALLED UNO.
  - D. TOILET ACCESSORIES ARE CONTRACTOR FURNISHED AND INSTALLED UNO.
- FURNITURE PLAN LEGEND**
- - - - MATCHLINE
  - - - - OFCI
  - - - - NIC
  - NOT IN SCOPE

1 FIRST FLOOR - FURNITURE PLAN - BLOCK B  
A611B 1/8" = 1'-0"



HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA  
65% PRICING SET

CONSULTANT:

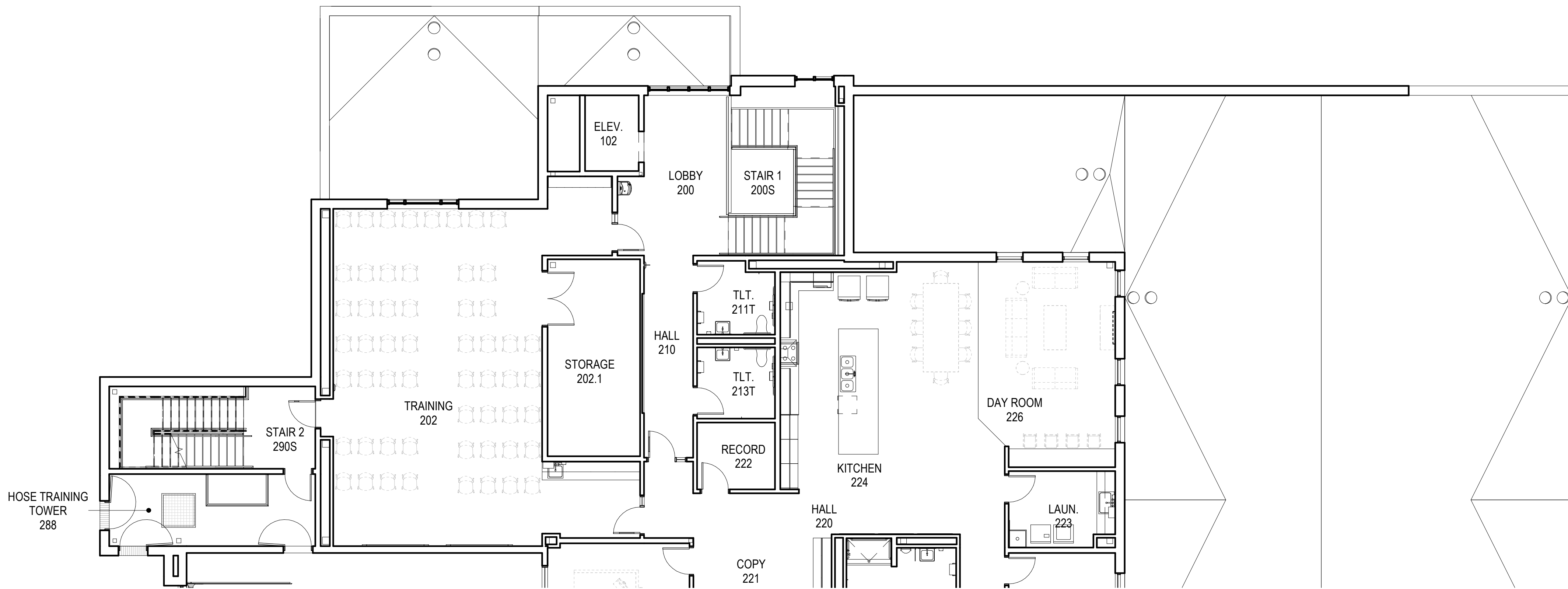
PROJECT NO:	20-130	
DATE:	2022-08-25	
DRAWN BY:	CC	
CHECKED BY:	AK	
REVISION	DESCRIPTION	DATE

FIRST FLOOR - FURNITURE PLAN - BLOCK B  
**A611B**

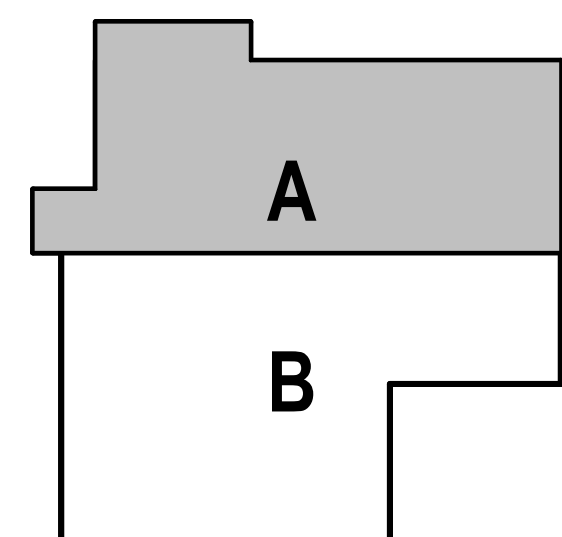
NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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1 SECOND FLOOR - FURNITURE PLAN - BLOCK A  
A621A 1/8" = 1'-0"



GENERAL FURNITURE PLAN NOTES	
A.	FURNITURE, FIXTURES, AND EQUIPMENT SHOWN IN GRAY ARE INDICATED FOR REFERENCE ONLY.
B.	APPLIANCES ARE CONTRACTOR-FURNISHED AND INSTALLED UNO.
C.	WINDOW COVERINGS ARE CONTRACTOR-FURNISHED AND INSTALLED UNO.
D.	TOILET ACCESSORIES ARE CONTRACTOR FURNISHED AND INSTALLED UNO.

FURNITURE PLAN LEGEND	
	MATCHLINE
	OFCI
	NIC
	NOT IN SCOPE

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: CC  
CHECKED BY: AK

REVISION	DESCRIPTION	DATE

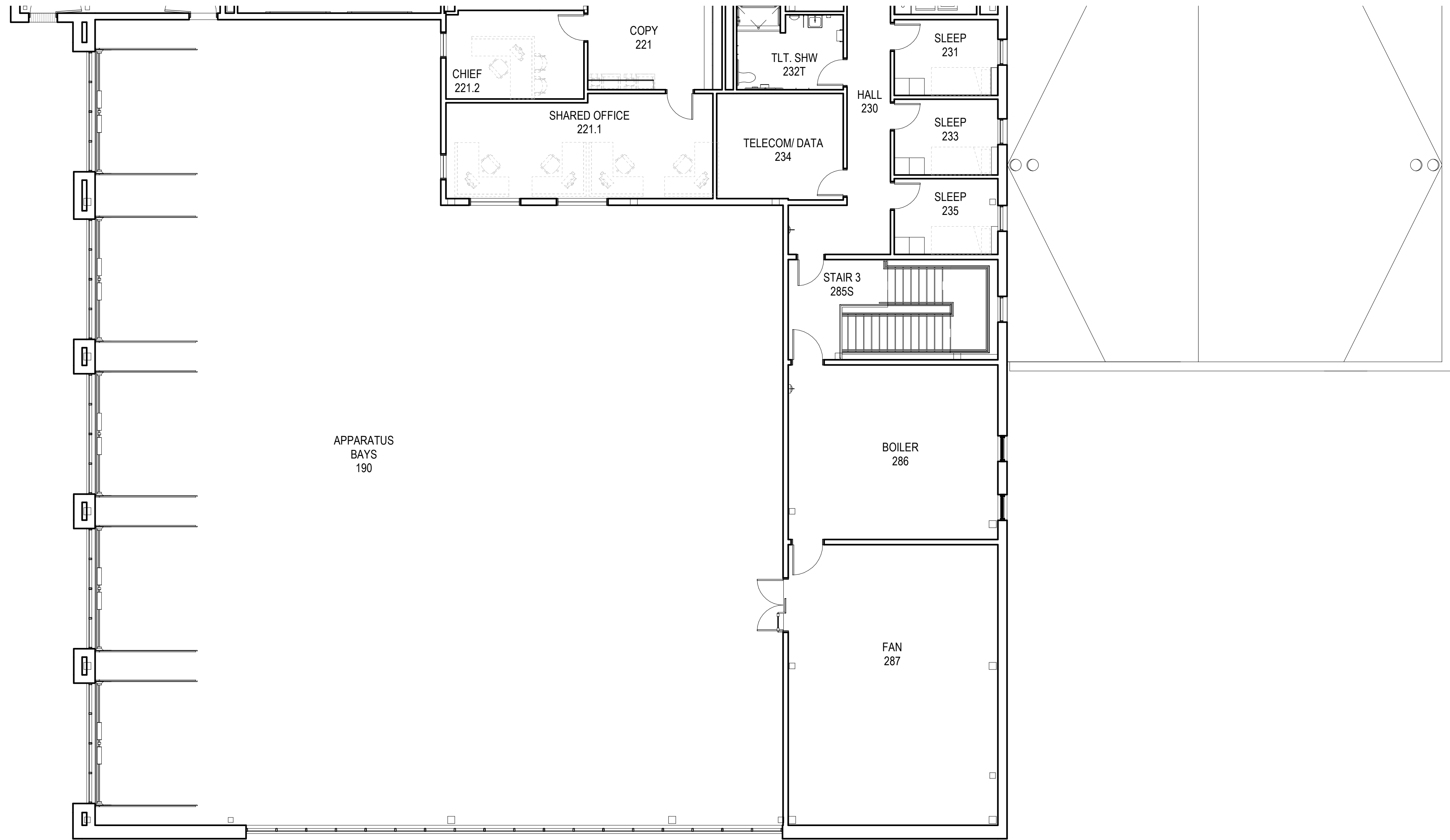
SECOND FLOOR - FURNITURE PLAN - BLOCK A

**A621A**

NOT FOR CONSTRUCTION

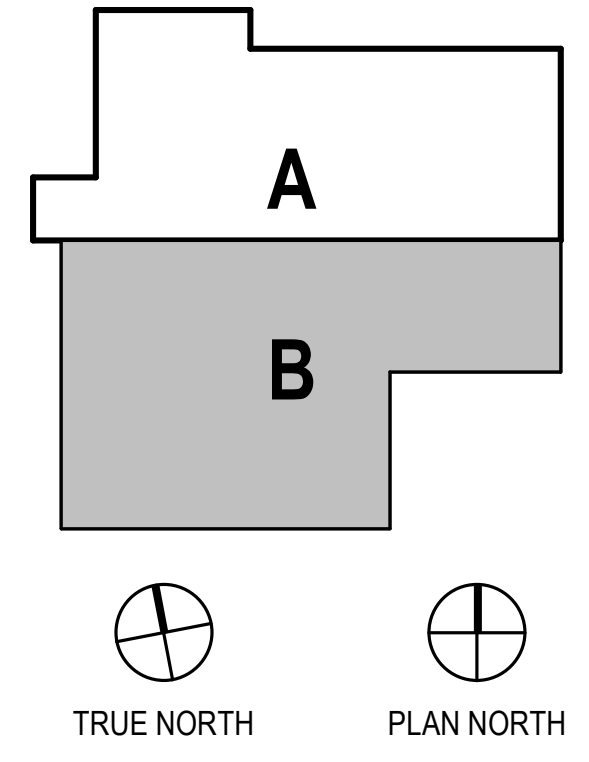
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- GENERAL FURNITURE PLAN NOTES**
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  - C. WINDOW COVERINGS ARE CONTRACTOR-FURNISHED AND INSTALLED UNO.
  - D. TOILET ACCESSORIES ARE CONTRACTOR FURNISHED AND INSTALLED UNO.
- FURNITURE PLAN LEGEND**
- MATCHLINE
  - - - OFCI
  - - - NIC
  - NOT IN SCOPE

1 SECOND FLOOR - FURNITURE PLAN - BLOCK B  
A621B 1/8" = 1'-0"



CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: CC  
CHECKED BY: AK

REVISION	DESCRIPTION	DATE

SECOND FLOOR - FURNITURE PLAN - BLOCK B

**A621B**

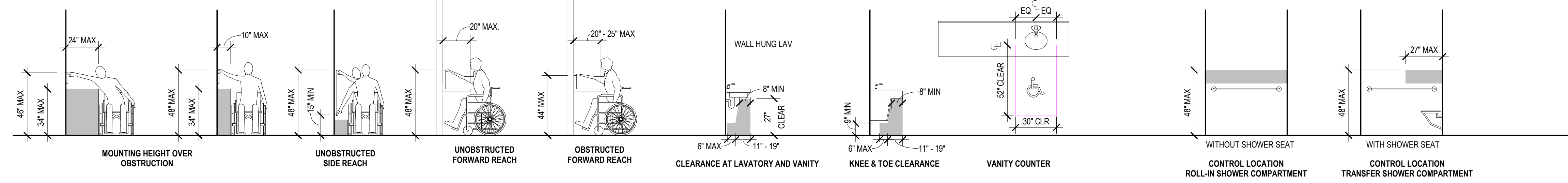
NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

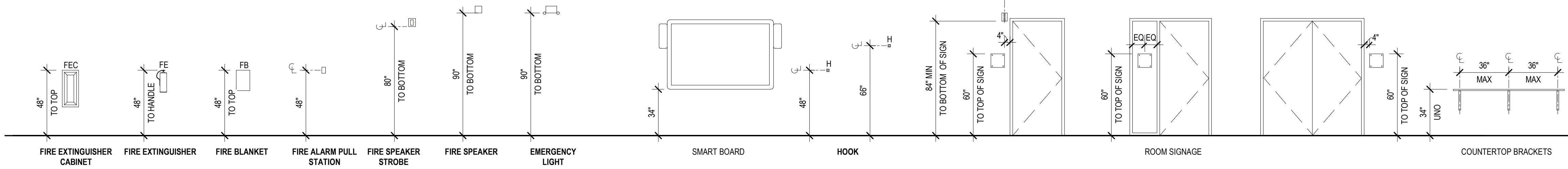
BIM 360/20-130 Haines Public Safety Facility/20-130 HPSF-A-model.rvt

8/24/2022 7:07:15 AM

## ACCESSIBILITY CLEARANCES (ANSI 117.1 AND ADAAG)

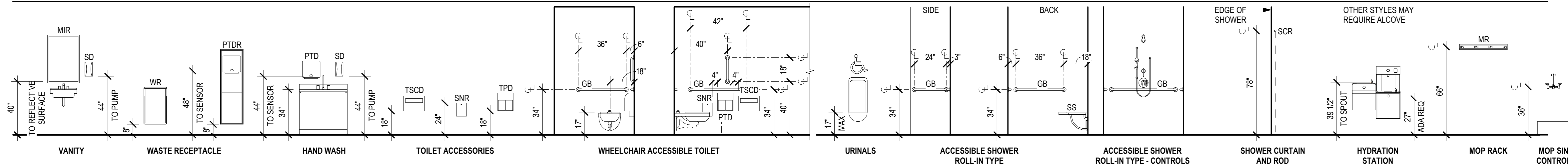


## LIFE SAFETY

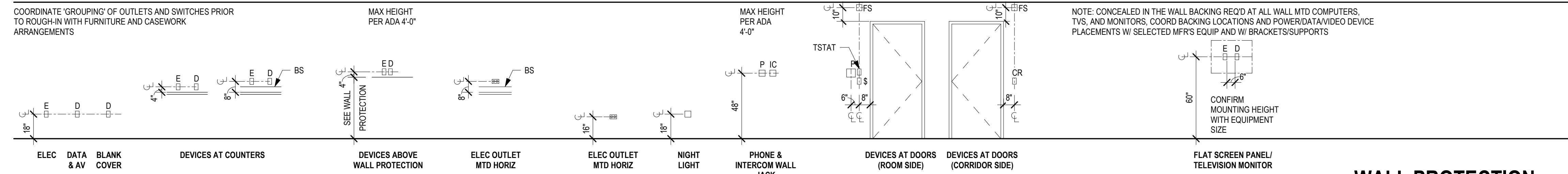


## MISCELLANEOUS EQUIPMENT

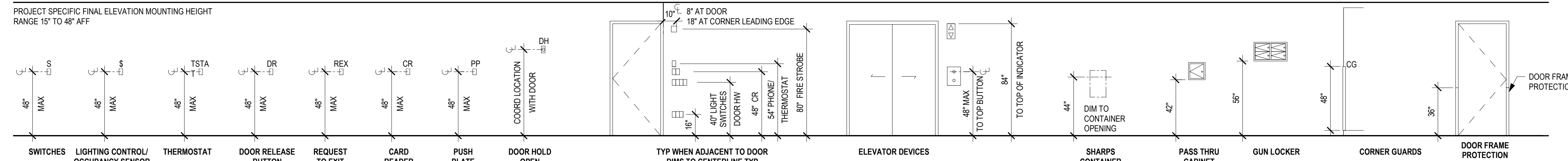
## PLUMBING AND TOILET ACCESSORIES



## ELECTRICAL AND DATA



## CONTROLS / SIGNALS / ACCESSORIES



## WALL PROTECTION

SEE WALL PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION  
CONFIRM FINAL MOUNTING HEIGHTS WITH SPECIFIC PROJECT DESIGN

### GENERAL MOUNTING HEIGHTS NOTES

- ALL DEVICES WILL BE MOUNTED AS NOTED, OR AS PER APPLICABLE BUILDING CODE, UNLESS OTHERWISE DIMENSIONED.
  - NOTIFY ARCHITECT IN ADVANCE OF INSTALLATION, IF MOUNTING HEIGHTS ON ELEVATIONS OR IF FIELD CONDITIONS PRESENT CONFLICTS WITH THE REQUIRED MOUNTING HEIGHTS.
  - THE DETAIL SHOWN MAY NOT MATCH SPECIFIED OR SCHEDULED HARDWARE AND/OR DEVICES.
  - THE DIMENSIONS CALLED OUT SHALL BE TO THE CENTERLINE OF THE DEVICE FACE PLATE AS SHOWN, UNO.
  - VERTICAL DIMENSIONS SHOWN ON INTERIOR ELEVATIONS INDICATE A DEVIATION FROM TYPICAL MOUNTING HEIGHTS SHOWN HERE.
  - COORDINATE GROUPING OF OUTLETS AND SWITCHES PRIOR TO ROUGH-IN WHERE MOUNTING HEIGHTS ARE THE SAME FOR (2) OR MORE DEVICES IN THE SAME LOCATION.
  - IF MULTIPLE DEVICES WITH DIFFERENT MOUNTING HEIGHTS ARE LOCATED WITHIN CLOSE PROXIMITY, STACK DEVICES SO THAT CENTERLINES ALIGN.
  - DEVICES LOCATED PER THESE DOCUMENTS TAKE PRECEDENCE OVER FRAMING AND STUD SPACING. FRAMING SHALL BE MODIFIED TO ACCOMMODATE THE PRECISE LOCATION. CONTRACTOR TO COORDINATE THE APPROPRIATE TRADES.
  - CONTRACTOR TO COORDINATE DEVICES LOCATED IN FINISH PANELS (EXAMPLE: SECONDARY INSTALLATIONS SUCH AS FABRIC PANELS, WOOD PANELING.)
  - NOTIFY THE ARCHITECT SHOULD ANY INDICATED MOUNTING DETAILS BE IN CONFLICT WITH MANUFACTURER REQUIREMENTS.
  - ELECTRICAL RECEPTACLES AND COMMUNICATION OUTLETS ARE SHOWN ON THE ARCHITECTURAL ELEVATIONS FOR LOCATIONS AND COORDINATION WITH OTHER WORK. SEE ELECTRICAL AND MECHANICAL DRAWINGS AS WELL AS THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
  - NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS BETWEEN ARCHITECTURAL MOUNTING HEIGHTS AND ELECTRICAL, PLUMBING OR MECHANICAL DRAWINGS.
- INDICATES ADA/ANSI 117.1 COMPLIANCE WHERE TWO DEVICES AND HEIGHTS ARE SHOWN.

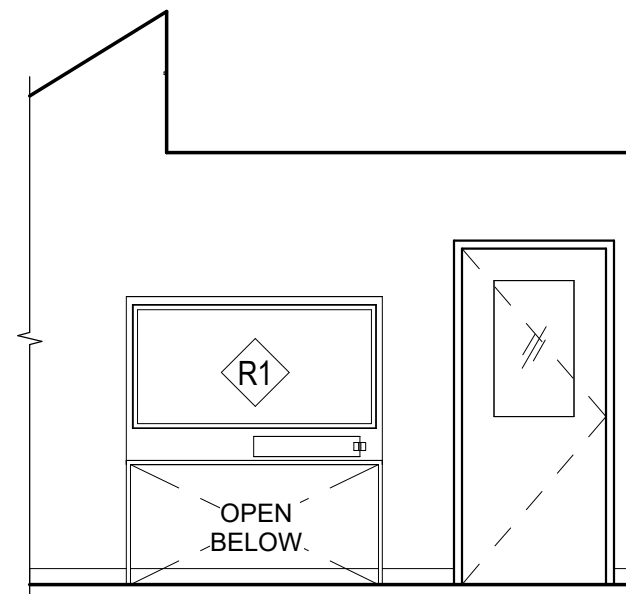
CONSULTANT:

PROJECT NO:	20-130	
DATE:	2022-08-25	
DRAWN BY:	CC	
CHECKED BY:	AK	
REVISION	DESCRIPTION	DATE

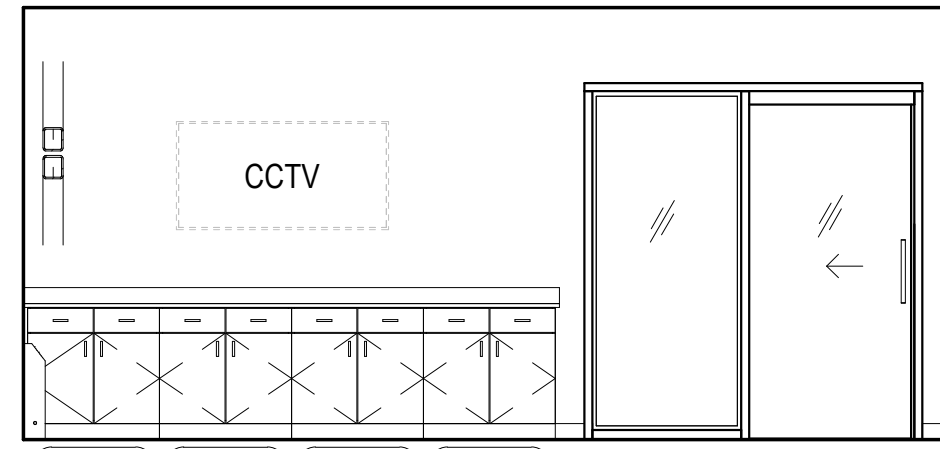
NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

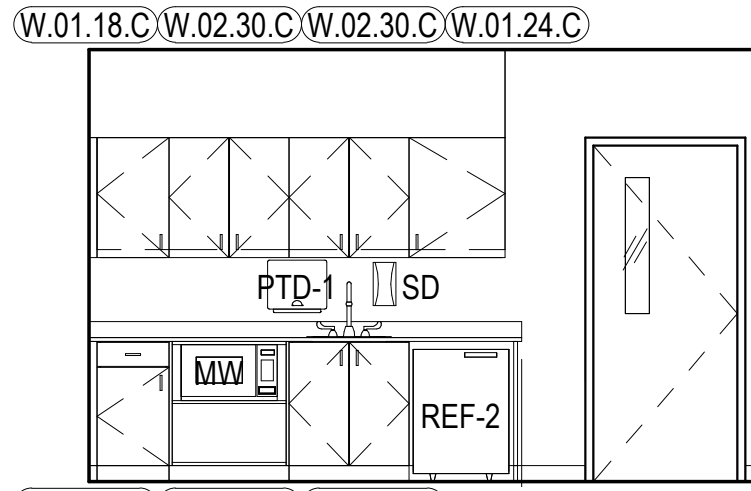
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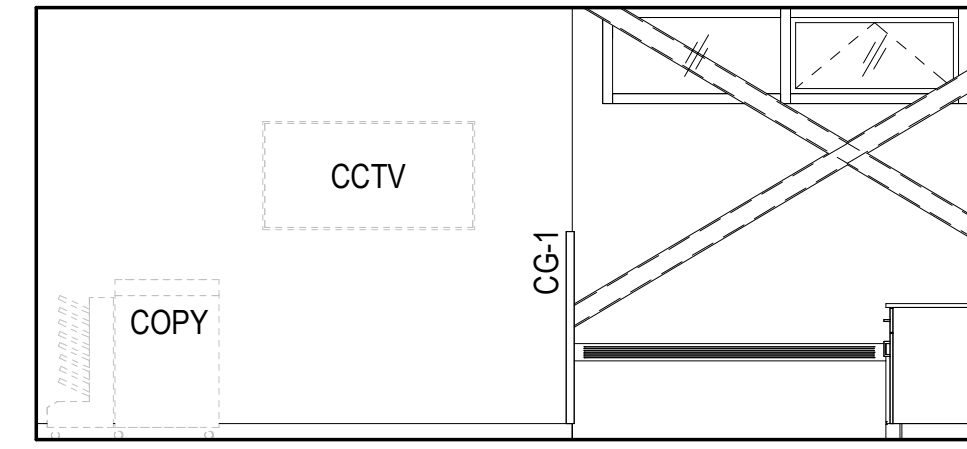
1 100 LOBBY - S  
A702 1/4" = 1'-0"



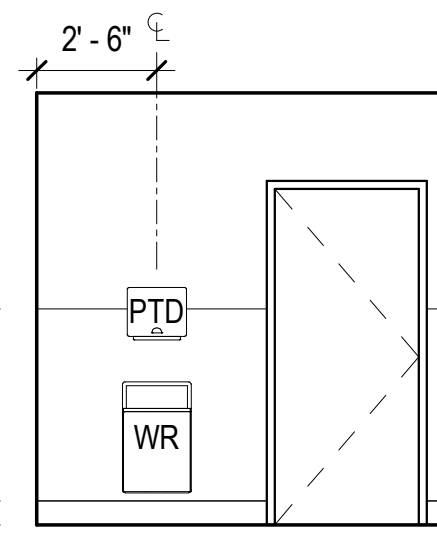
2 112 DISPATCH - N  
A702 1/4" = 1'-0"



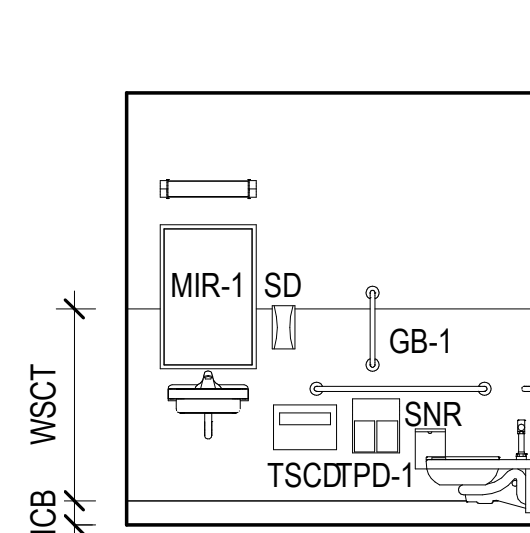
3 112 DISPATCH - E  
A702 1/4" = 1'-0"



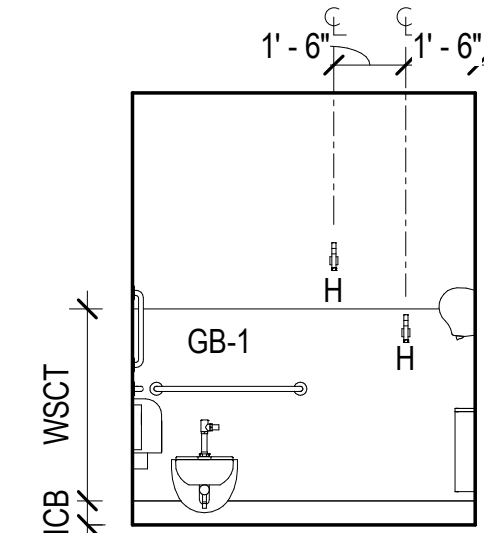
4 112 DISPATCH - W  
A702 1/4" = 1'-0"



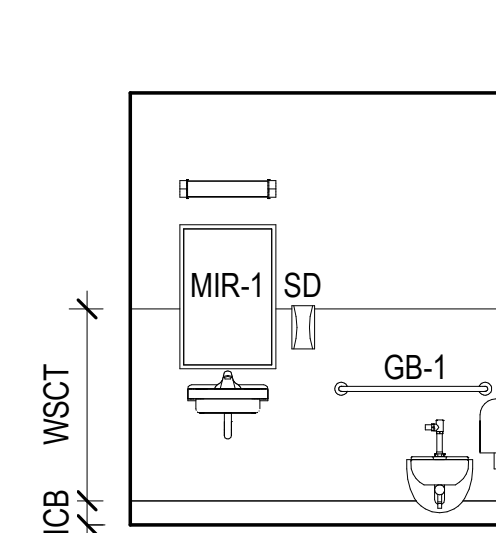
5 112T DISPATCH TLT - N  
A702 1/4" = 1'-0"



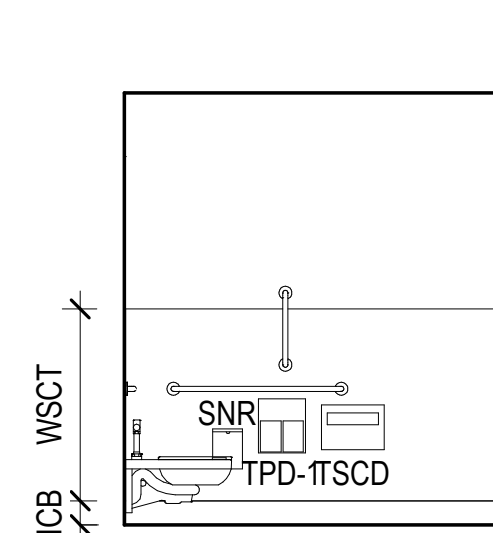
6 112T DISPATCH TLT - S  
A702 1/4" = 1'-0"



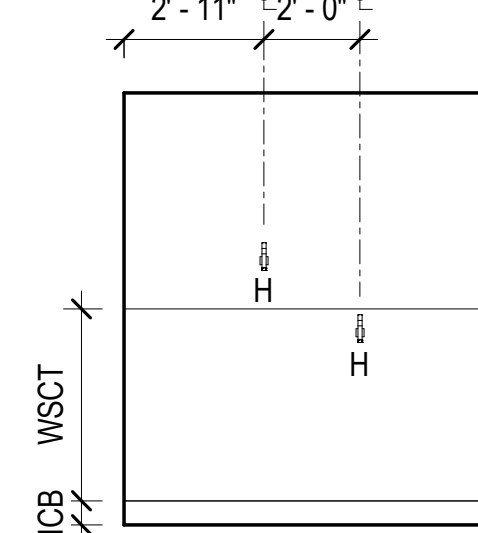
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A702 1/4" = 1'-0"



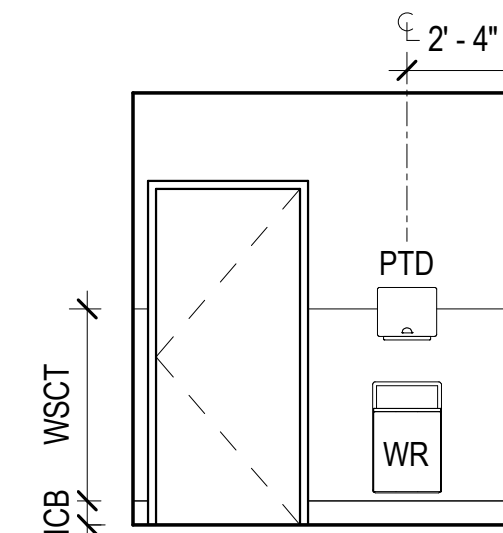
8 113T TLT - N  
A702 1/4" = 1'-0"



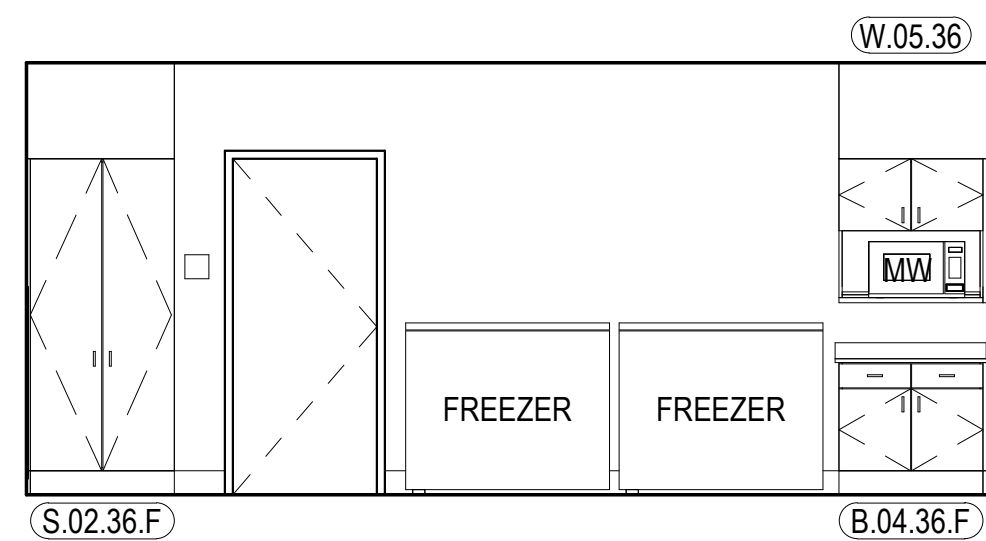
9 113T TLT - E  
A702 1/4" = 1'-0"



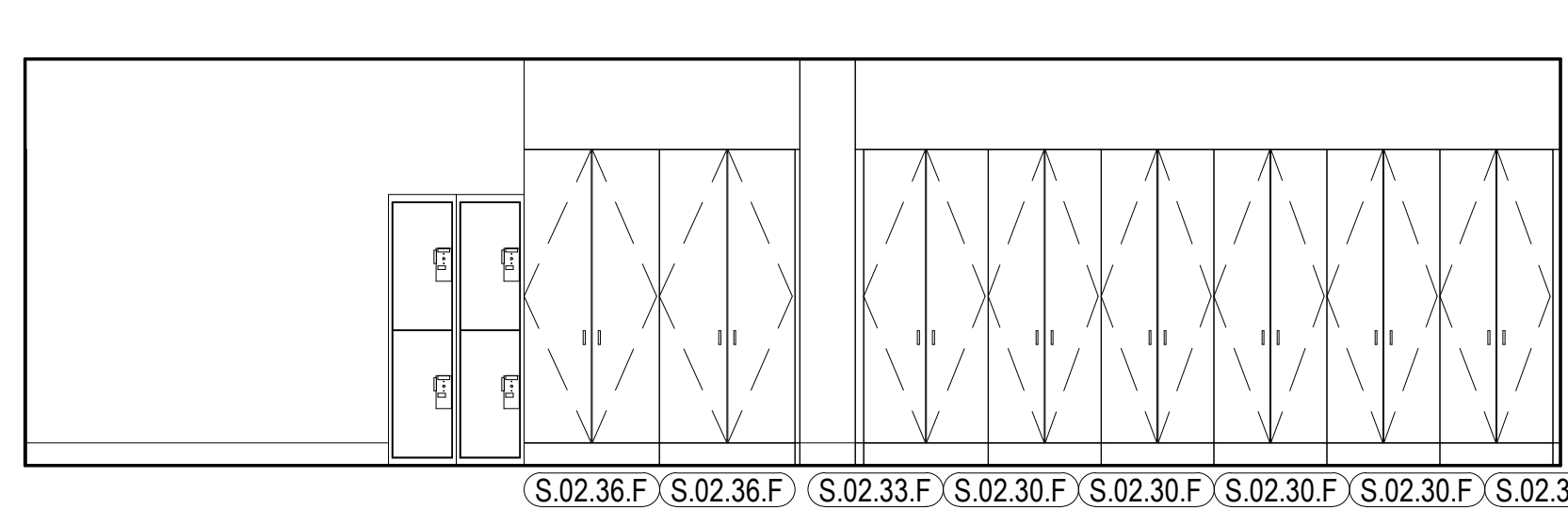
10 113T TLT - S  
A702 1/4" = 1'-0"



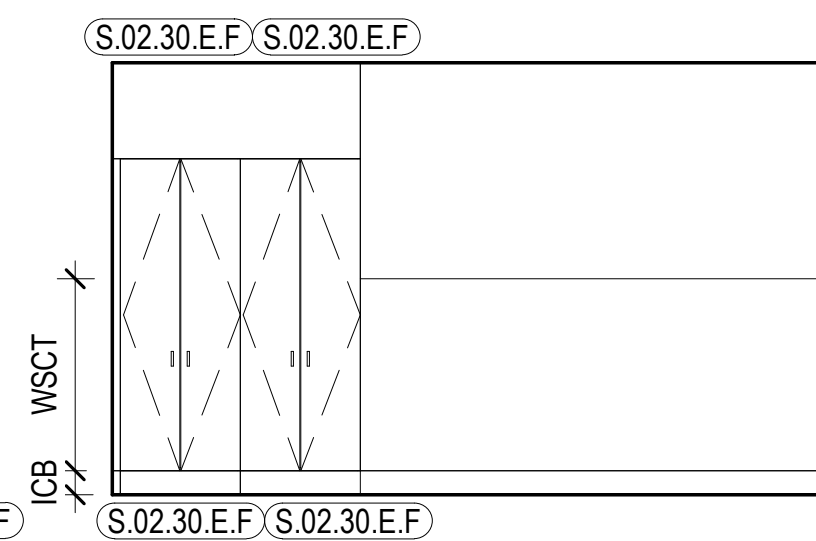
11 113T TLT - W  
A702 1/4" = 1'-0"



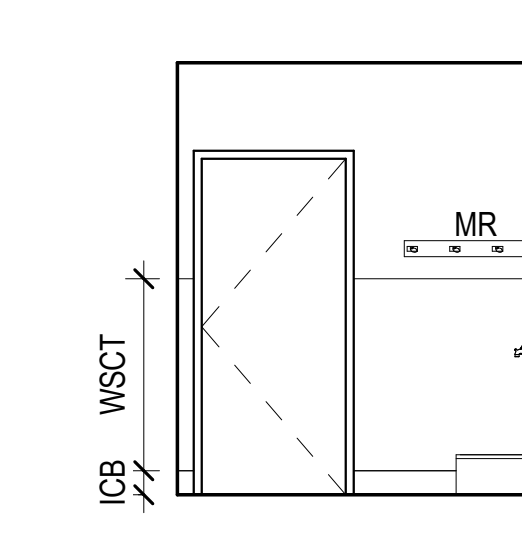
12 115 STORAGE - N  
A702 1/4" = 1'-0"



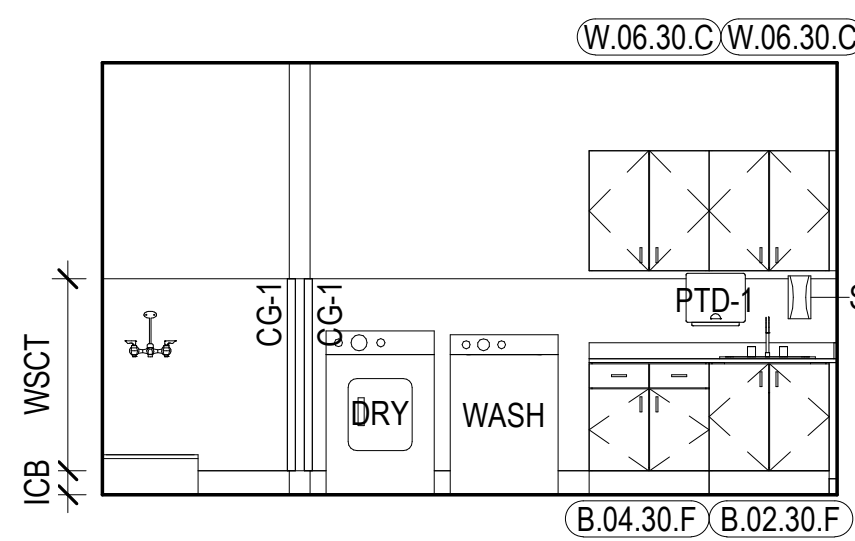
13 115 STORAGE - S  
A702 1/4" = 1'-0"



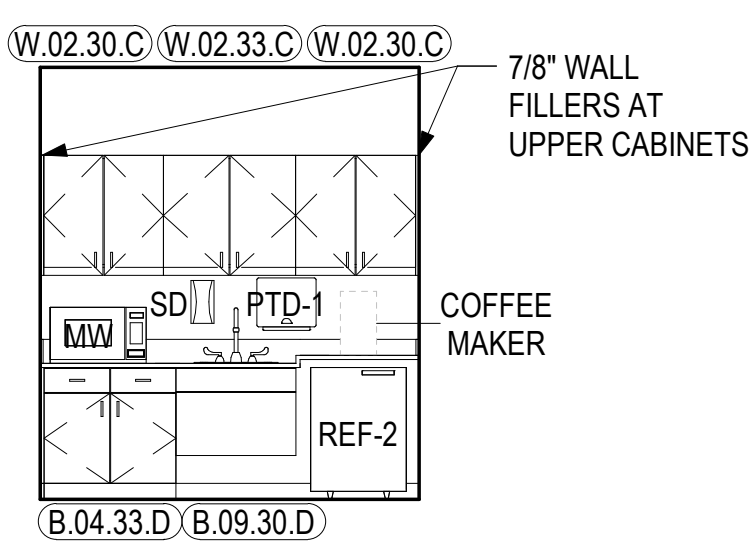
14 115.1 LAUNDRY - E  
A702 1/4" = 1'-0"



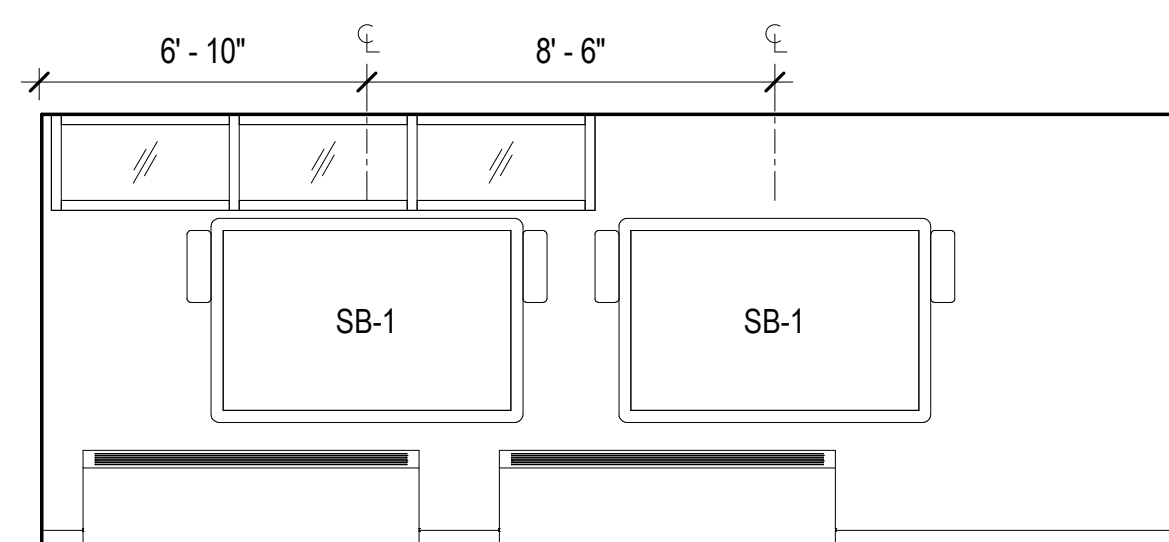
15 115.1 LAUNDRY - S  
A702 1/4" = 1'-0"



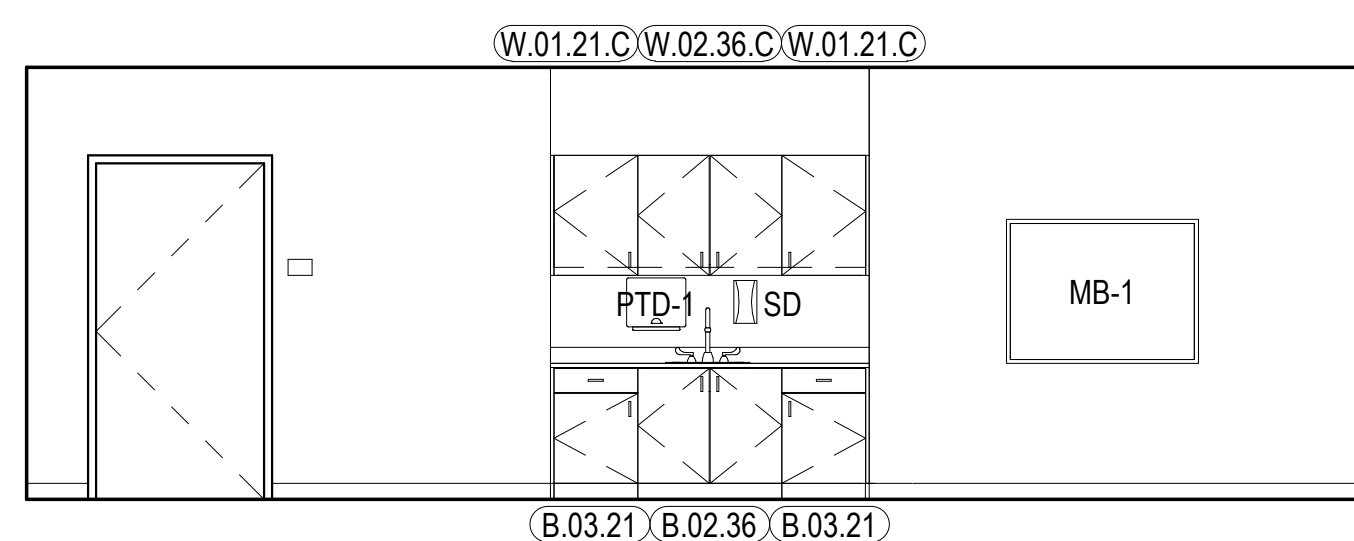
16 115.1 LAUNDRY - W  
A702 1/4" = 1'-0"



17 131 BREAK - S  
A702 1/4" = 1'-0"



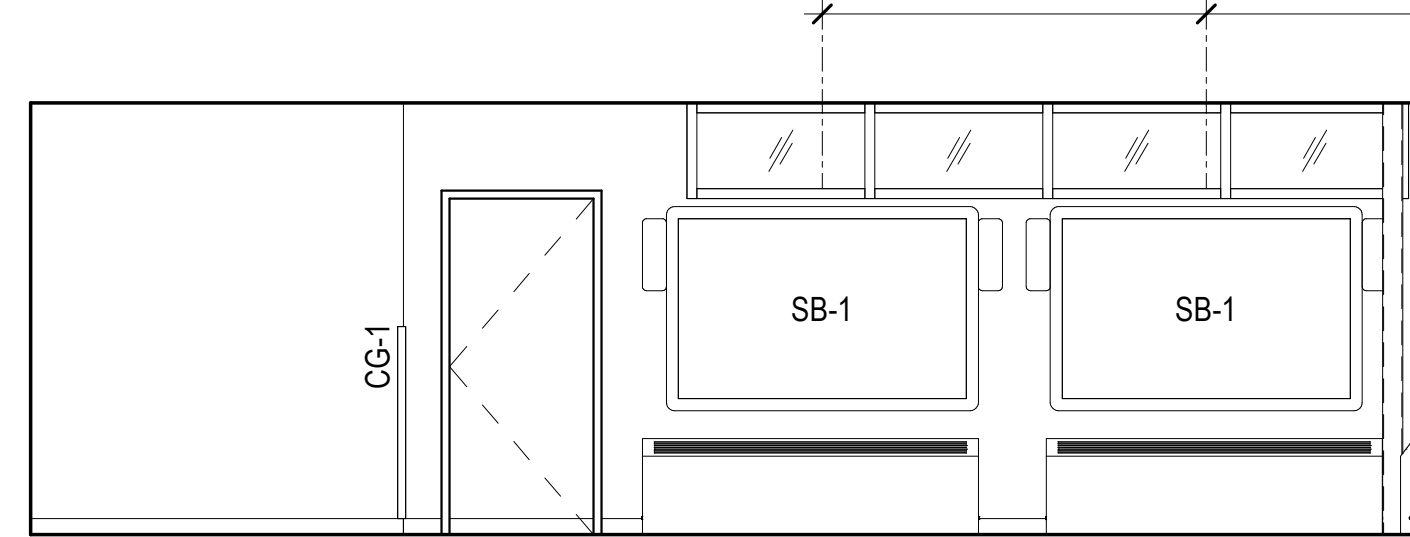
18 122 EOC TRAINING - N  
A702 1/4" = 1'-0"



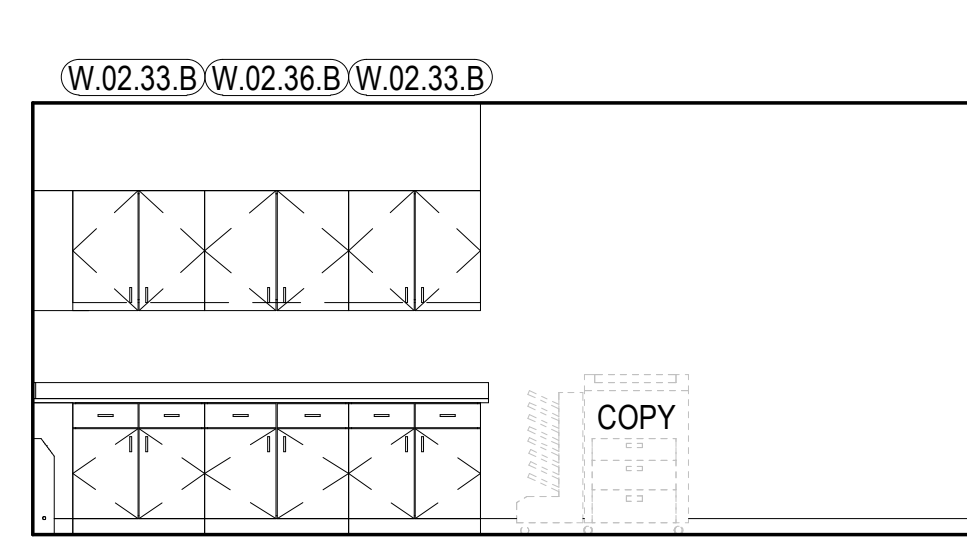
19 122 EOC TRAINING - E  
A702 1/4" = 1'-0"



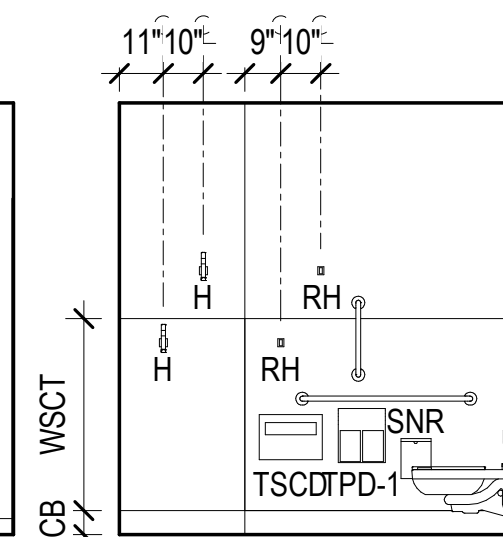
20 122 EOC TRAINING - S  
A702 1/4" = 1'-0"



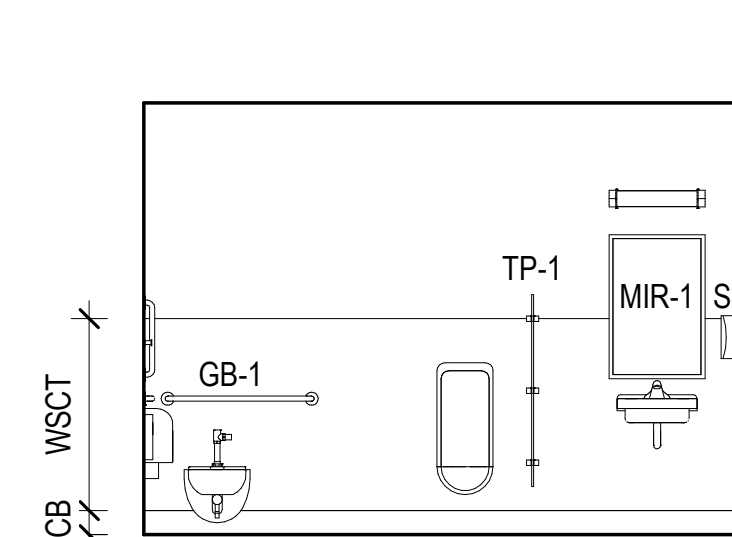
21 122 EOC TRAINING - W  
A702 1/4" = 1'-0"



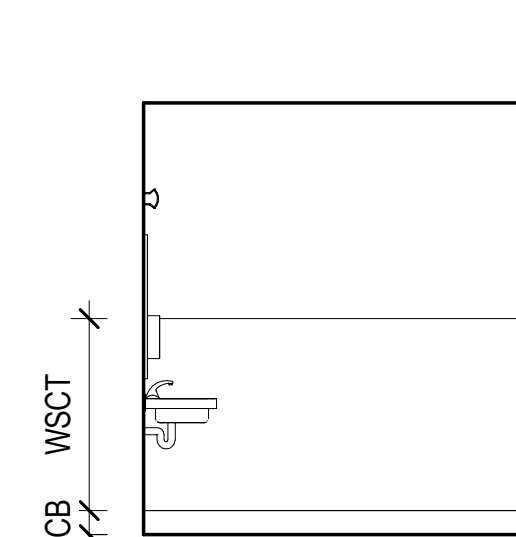
22 132 SQUAD ROOM - E  
A702 1/4" = 1'-0"



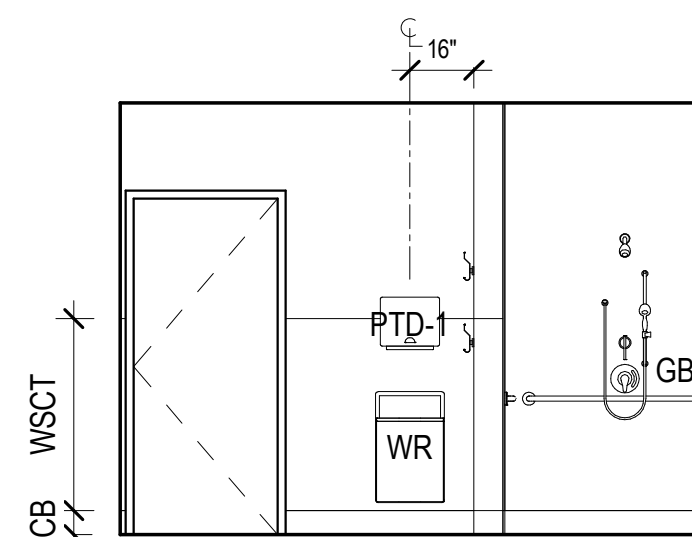
23 141T SHWR - N  
A702 1/4" = 1'-0"



24 141T SHWR - E  
A702 1/4" = 1'-0"



25 141T SHWR - S  
A702 1/4" = 1'-0"



26 141T SHWR - W  
A702 1/4" = 1'-0"

GENERAL INTERIOR ELEVATION NOTES

- A. REFER TO [A900] SERIES SHEETS FOR FINISH LEGEND.
- B. REFER TO [A700] SERIES SHEETS TYPICAL MOUNTING HEIGHTS.
- C. REFER TO [A800] SERIES SHEETS FOR CASEWORK LEGEND AND DETAILS. PAINT EXPOSED METAL DECK, STRUCTURE, DUCTS, AND CONDUIT AS SCHEDULED.
- D.

INTERIOR ELEVATION LEGEND

- OFCI
- NIC

CONSULTANT:

PROJECT NO:	20-130	
DATE:	2022-08-25	
DRAWN BY:	CC	
CHECKED BY:	AK	
REVISION	DESCRIPTION	DATE

NOT FOR CONSTRUCTION

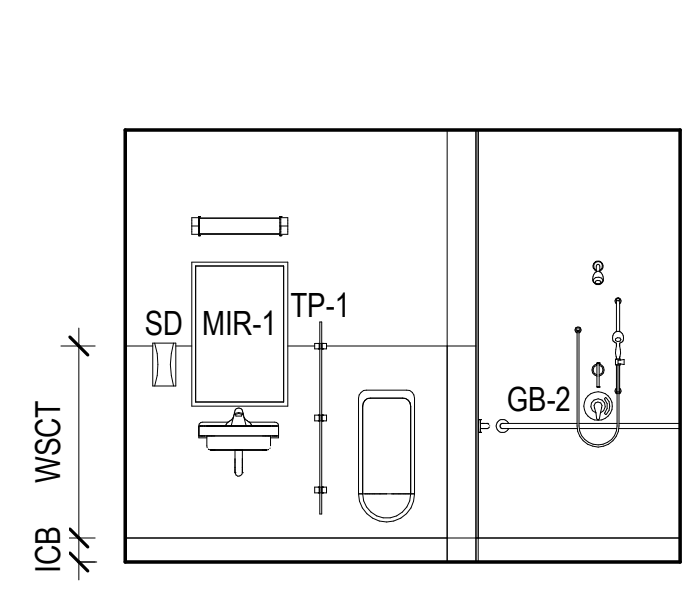
INTERIOR ELEVATIONS

**A702**

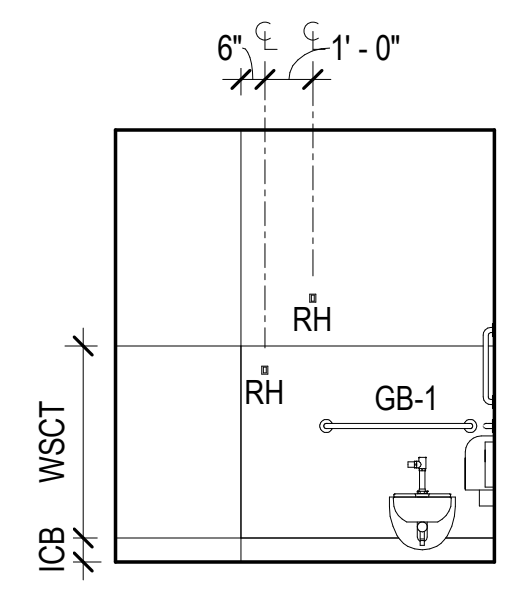
BETTISWORTH NORTH ARCHITECTS & PLANNERS

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

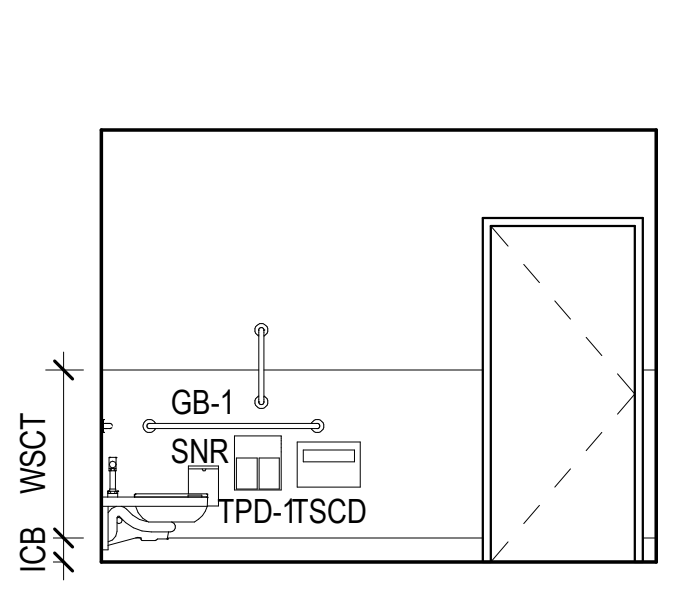
BIM 360/20-130 Haines Public Safety Facility/20-130 HPSF-A-model.rvt 8/24/2022 7:07:23 AM



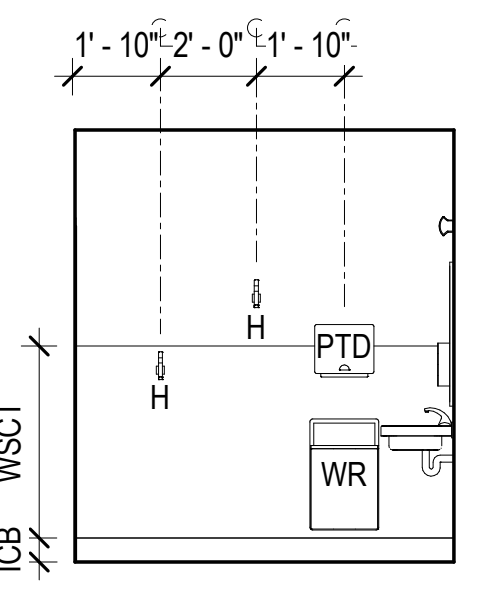
1 142T SHWR/ TLT - N  
A703 1/4" = 1'-0"



2 142T SHWR/ TLT - E  
A703 1/4" = 1'-0"



3 142T SHWR/ TLT - S  
A703 1/4" = 1'-0"



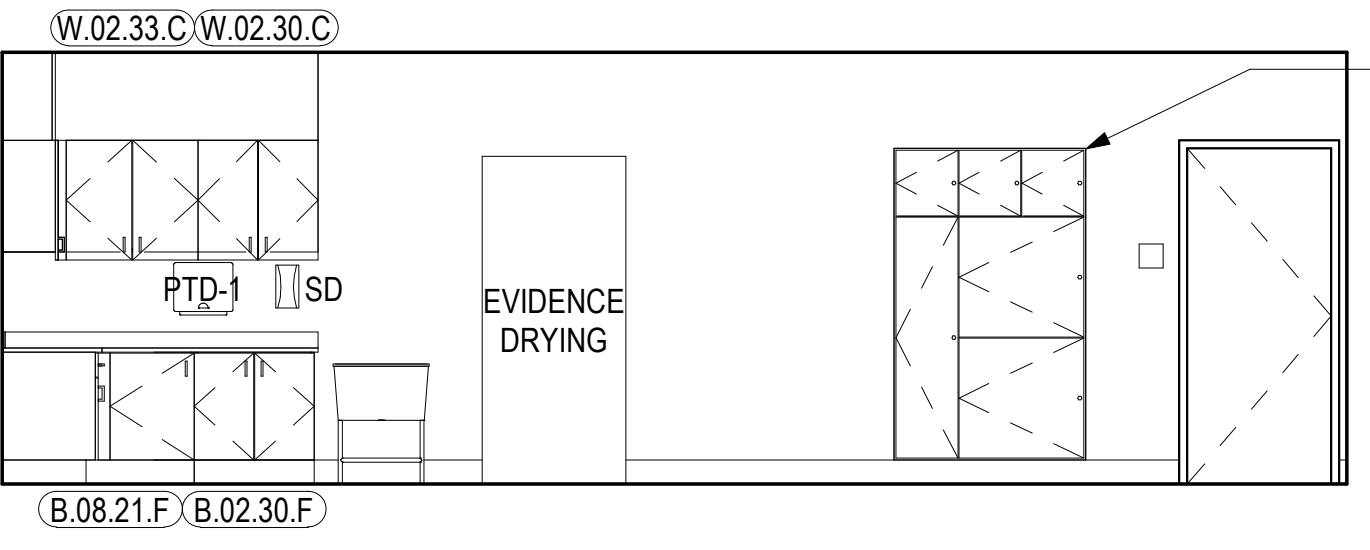
4 142T SHWR/ TLT - W  
A703 1/4" = 1'-0"

**GENERAL INTERIOR ELEVATION NOTES**

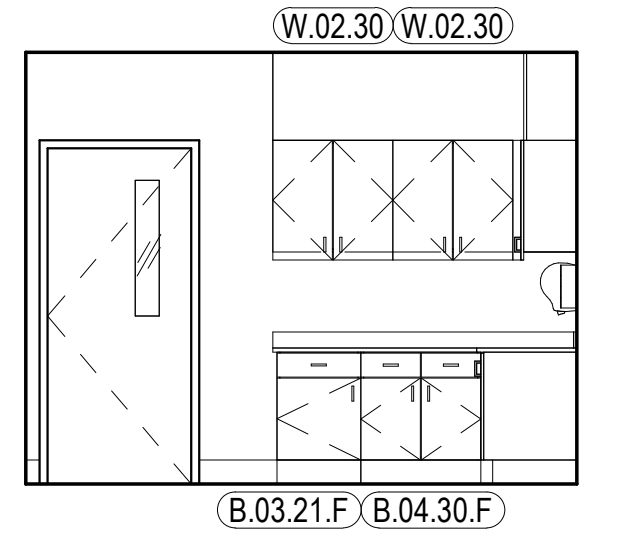
- REFER TO [A900] SERIES SHEETS FOR FINISH LEGEND.
- REFER TO [A700] SERIES SHEETS TYPICAL MOUNTING HEIGHTS.
- REFER TO [A800] SERIES SHEETS FOR CASEWORK LEGEND AND DETAILS. PAINT EXPOSED METAL DECK, STRUCTURE, DUCTS, AND CONDUIT AS SCHEDULED.

**INTERIOR ELEVATION LEGEND**

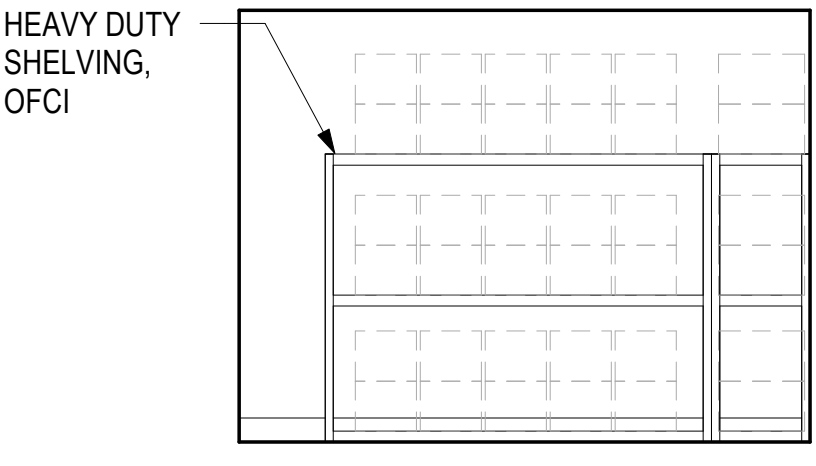
- OFCI
- NIC



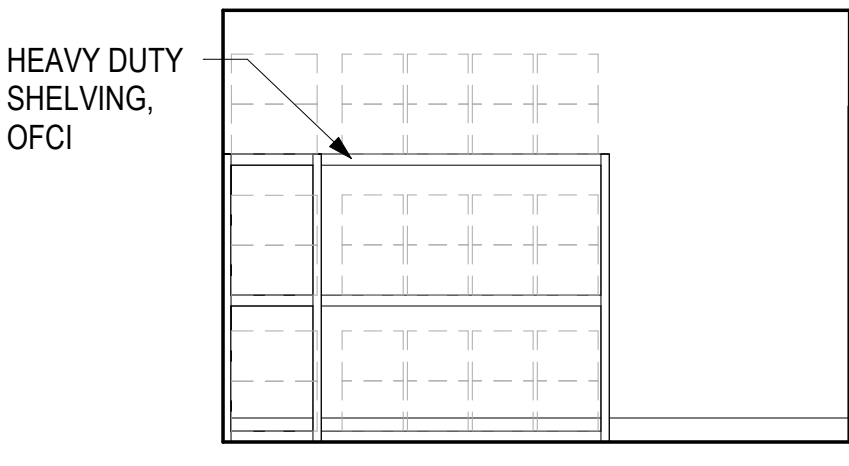
5 143 EVID. PROCESSING - N  
A703 1/4" = 1'-0"



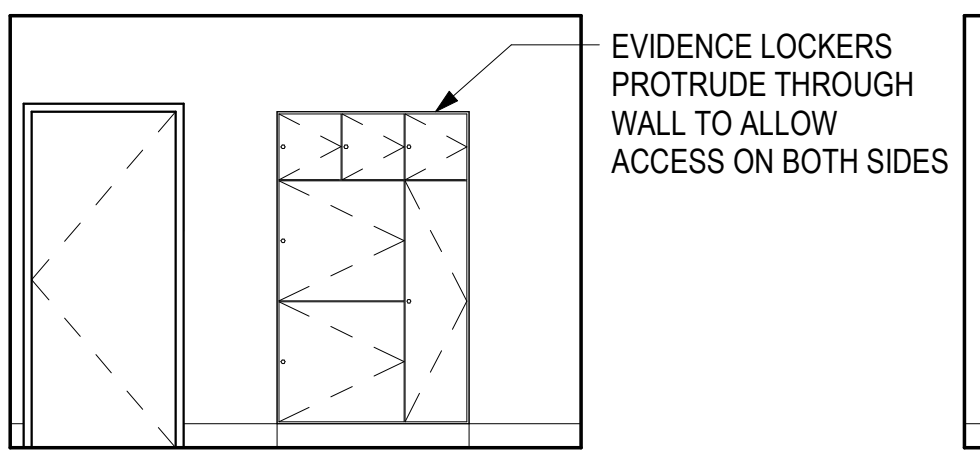
6 143 EVID. PROCESSING - W  
A703 1/4" = 1'-0"



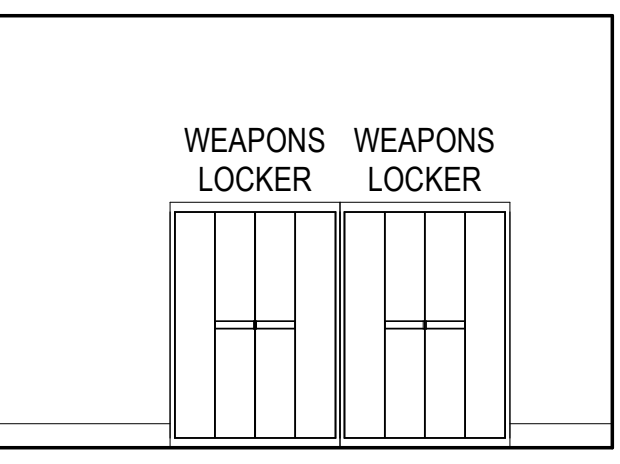
7 143.1 EVID. STOR. - N  
A703 1/4" = 1'-0"



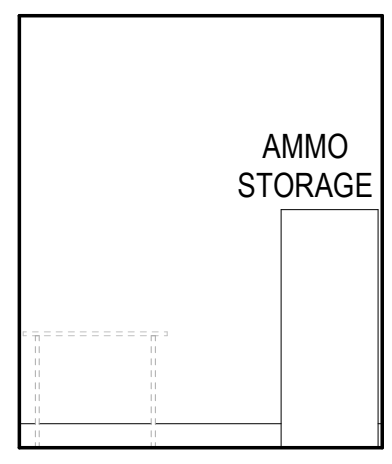
8 143.1 EVID. STOR. - E  
A703 1/4" = 1'-0"



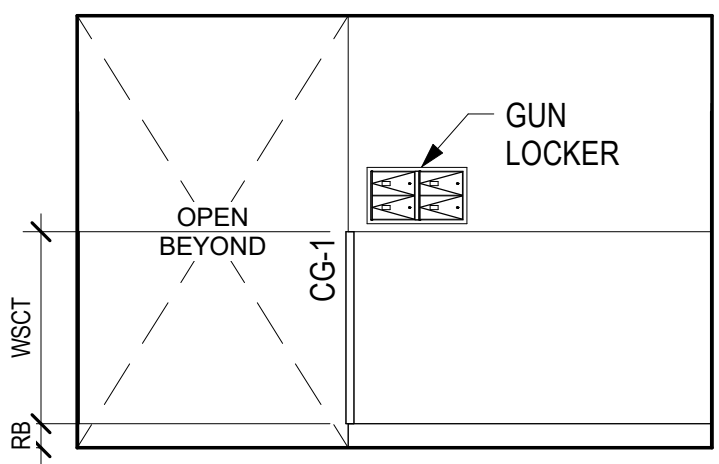
9 143.1 EVID. STOR. - S  
A703 1/4" = 1'-0"



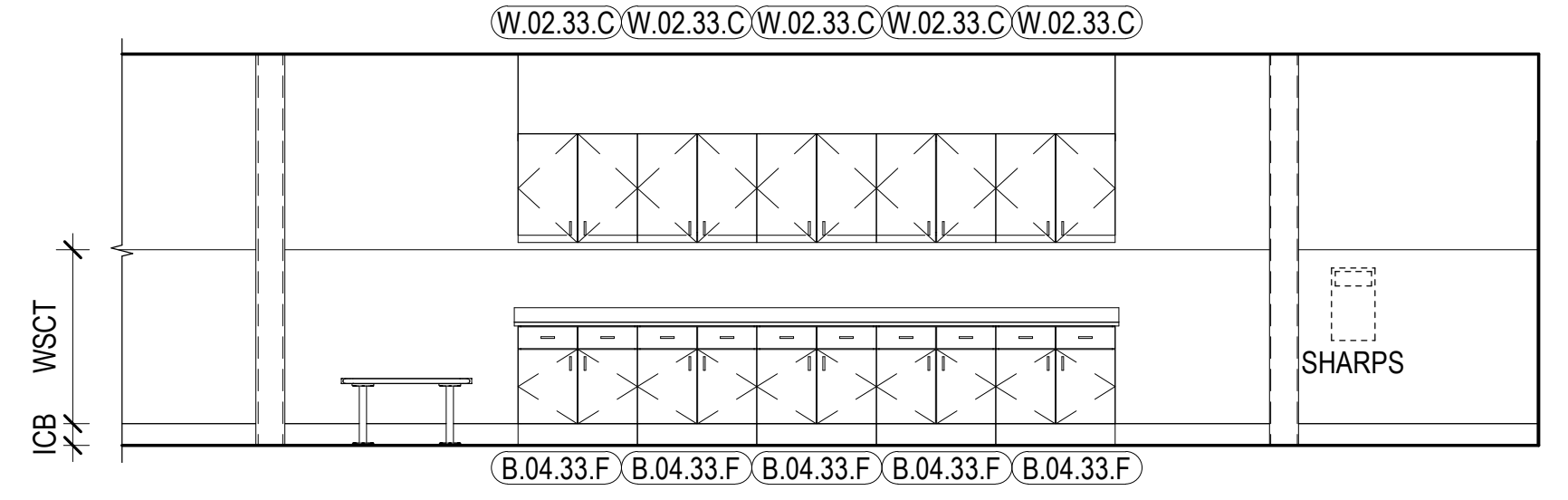
10 143.1 EVID. STOR. - W  
A703 1/4" = 1'-0"



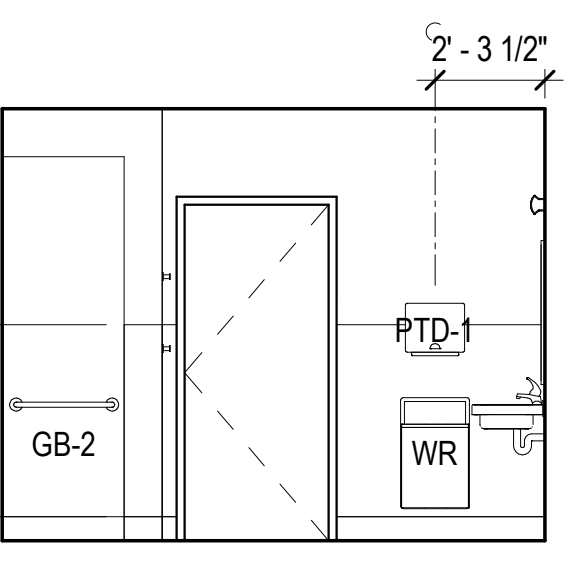
11 151 PD SECURE STOR. - S  
A703 1/4" = 1'-0"



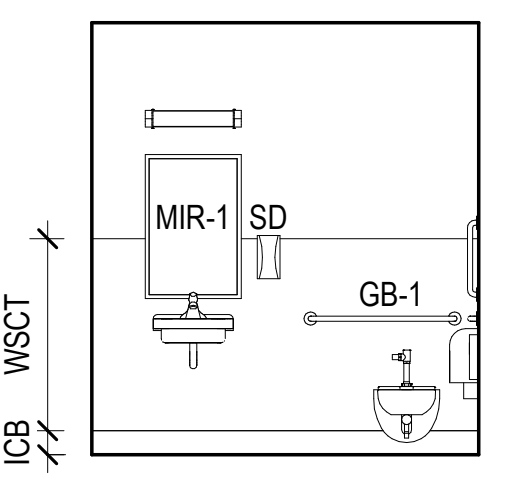
12 150 SECURE HALL - S  
A703 1/4" = 1'-0"



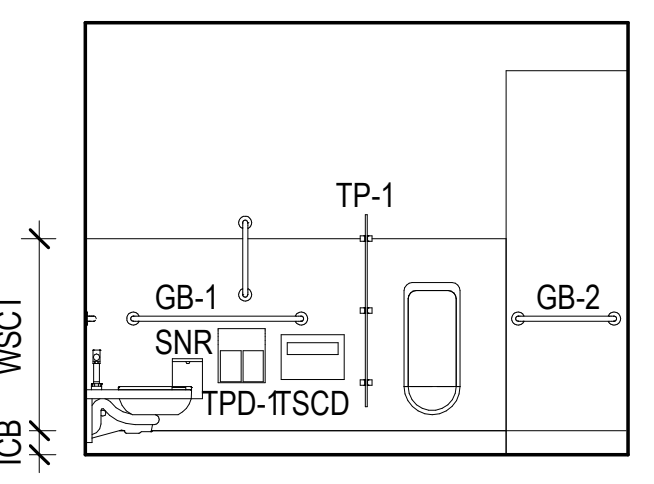
13 160 INTAKE PROCESSING - S  
A703 1/4" = 1'-0"



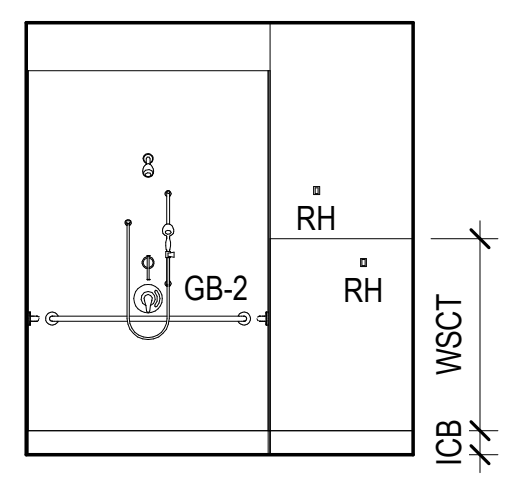
14 175T BATH/ SHWR - N  
A703 1/4" = 1'-0"



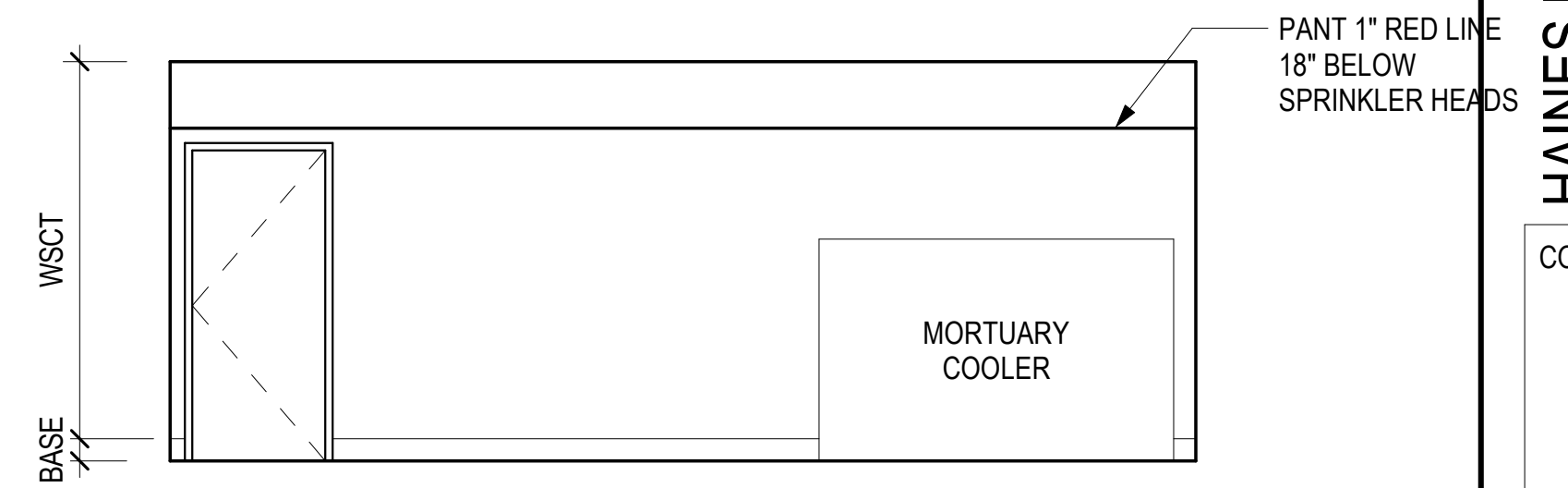
15 175T BATH/ SHWR - E  
A703 1/4" = 1'-0"



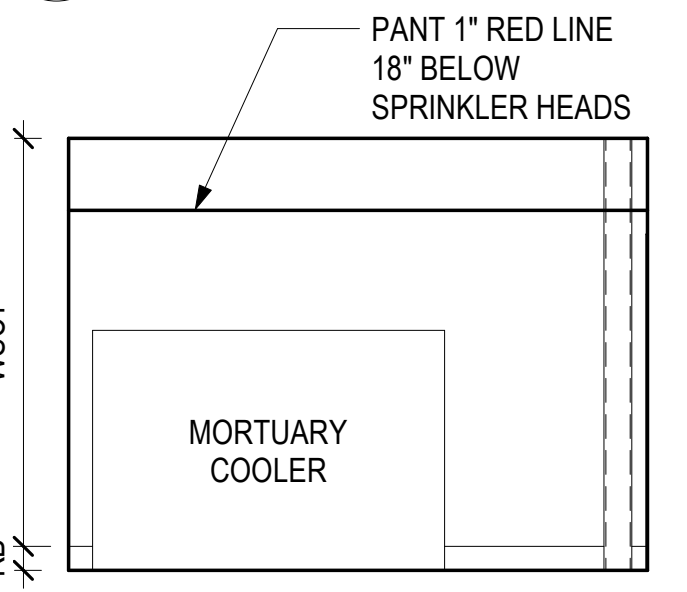
16 175T BATH/ SHWR - S  
A703 1/4" = 1'-0"



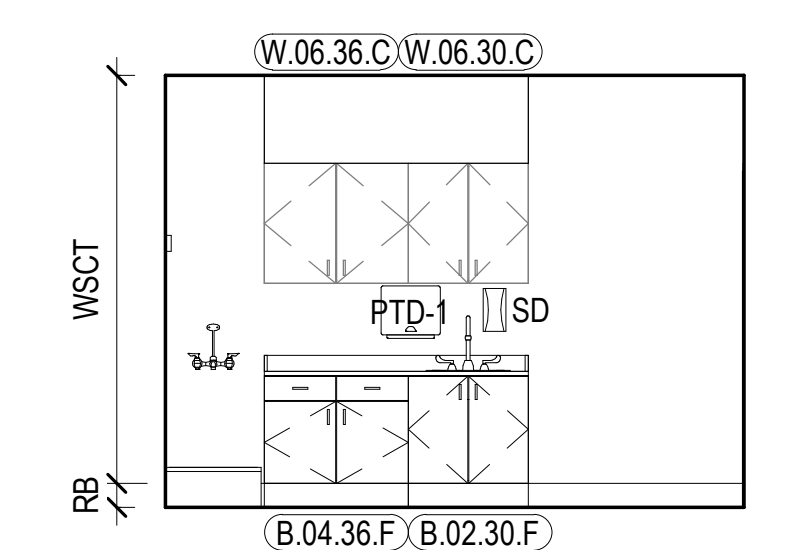
17 175T BATH/ SHWR - W  
A703 1/4" = 1'-0"



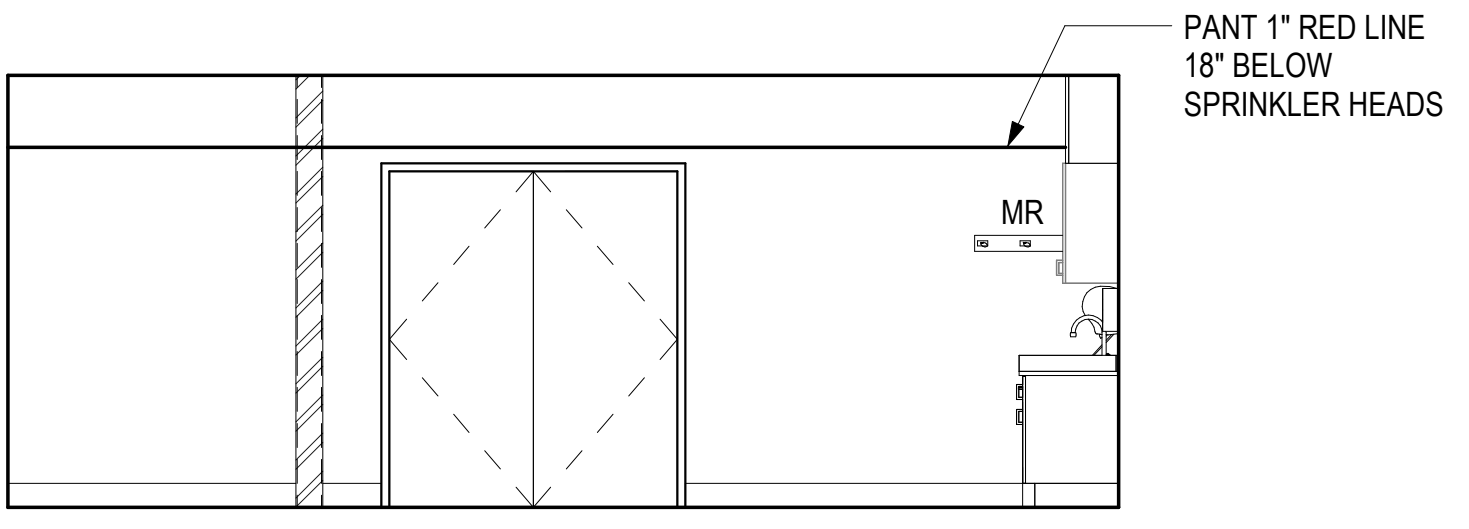
18 181 MORGUE - N  
A703 1/4" = 1'-0"



19 181 MORGUE - E  
A703 1/4" = 1'-0"



20 181 MORGUE - W  
A703 1/4" = 1'-0"



21 181 MORGUE - S  
A703 1/4" = 1'-0"

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: CC  
CHECKED BY: AK

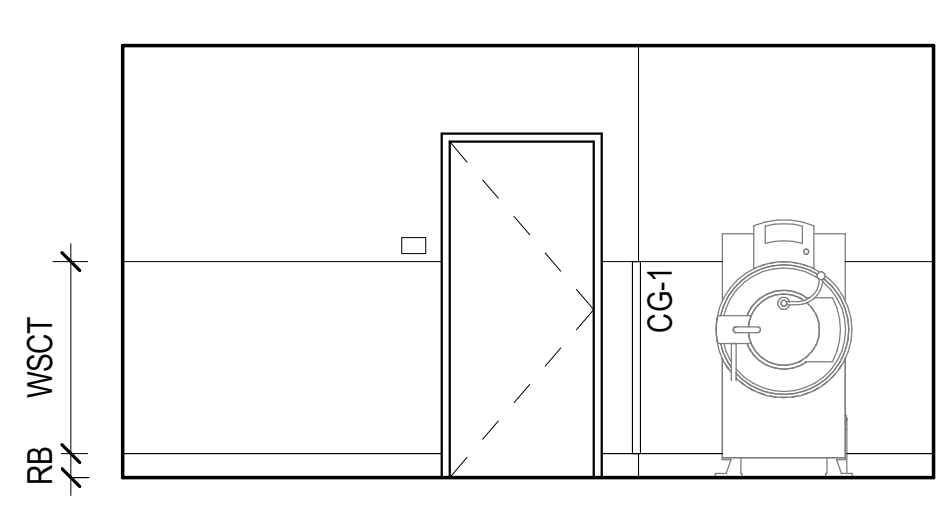
REVISION	DESCRIPTION	DATE

INTERIOR ELEVATIONS  
**A703**

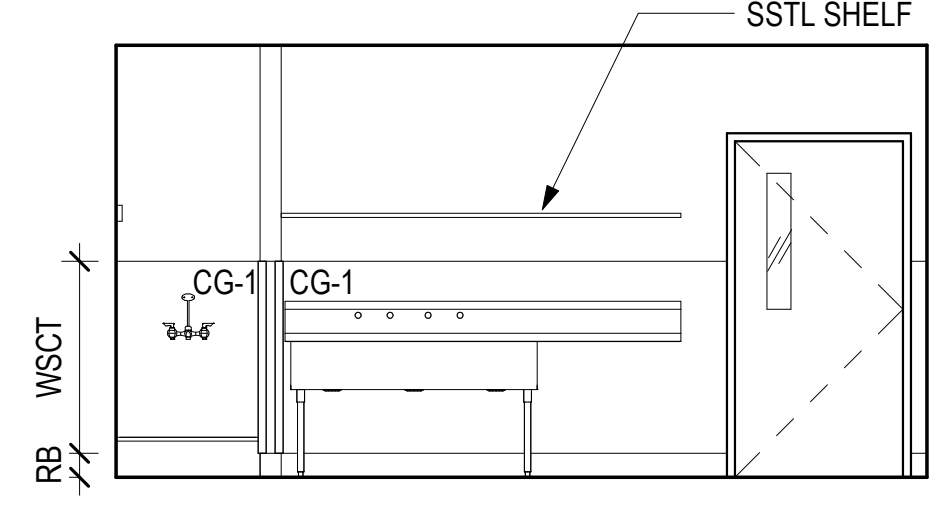
NOT FOR CONSTRUCTION

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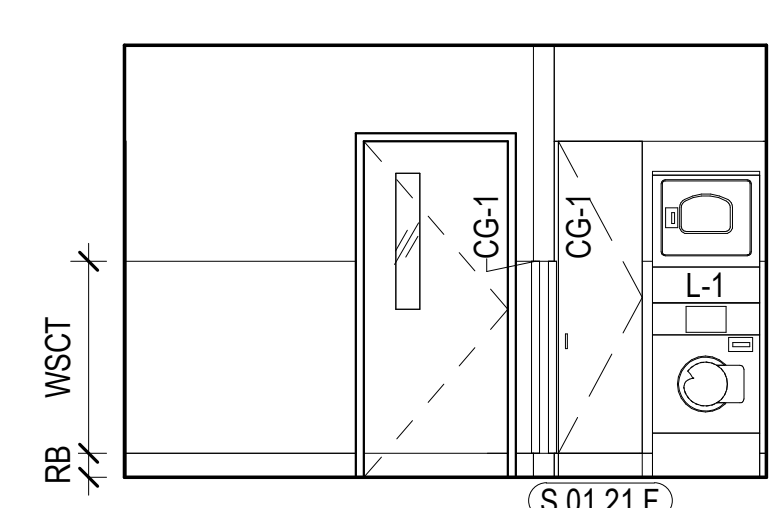
8/24/2022 7:07:28 AM BIM 360://20-130 Haines Public Safety Facility/20-130 HPSF-A-model.rvt



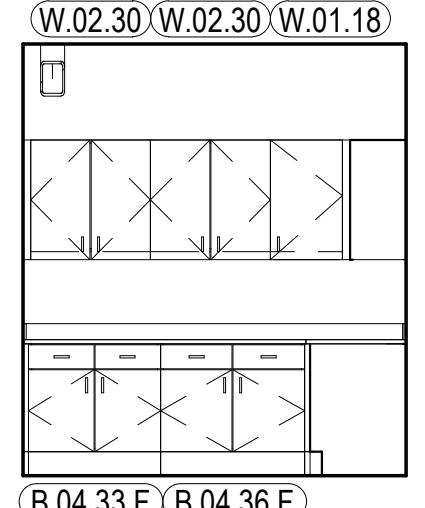
1 180 DECON - N  
A704 1/4" = 1'-0"



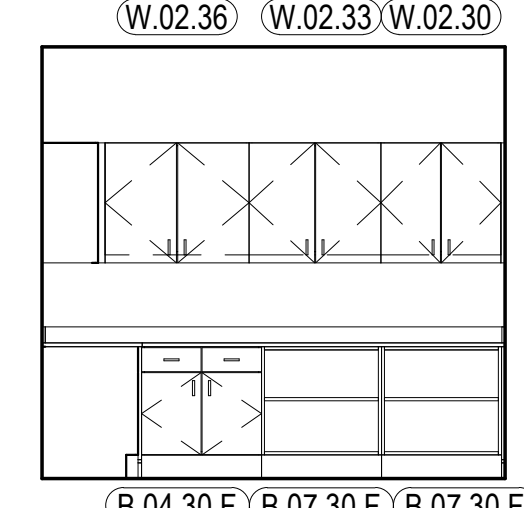
2 180 DECON - S  
A704 1/4" = 1'-0"



3 180 DECON - W  
A704 1/4" = 1'-0"



4 186 RADIO - N  
A704 1/4" = 1'-0"



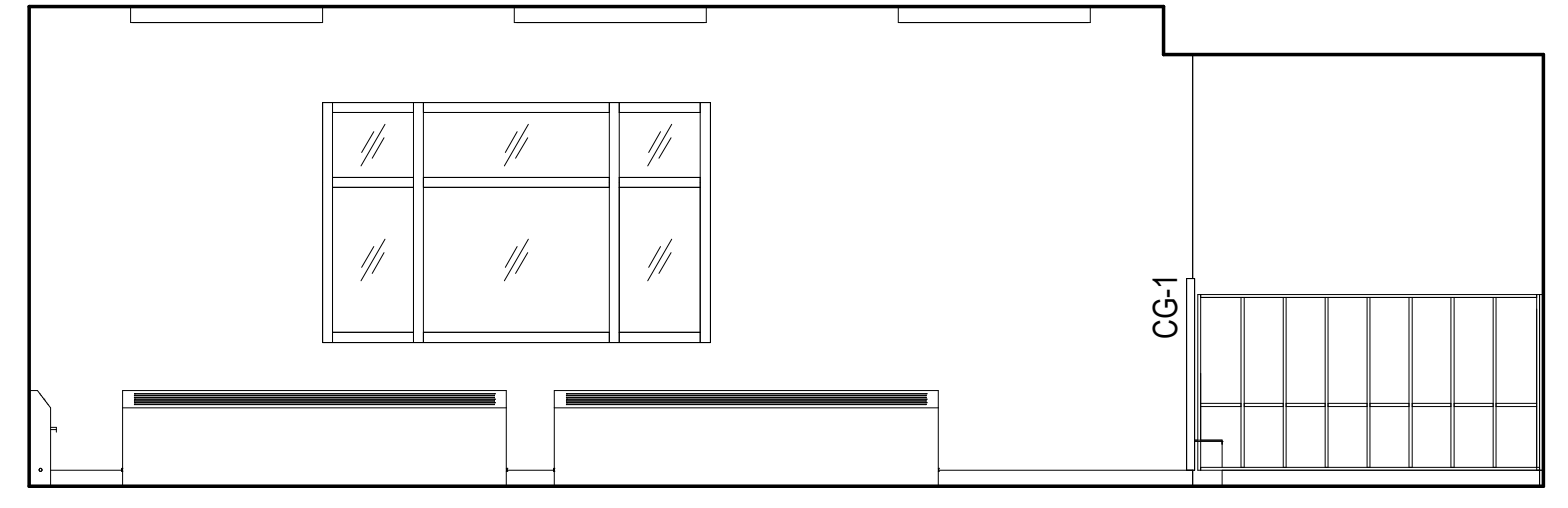
5 186 RADIO - E  
A704 1/4" = 1'-0"

**GENERAL INTERIOR ELEVATION NOTES**

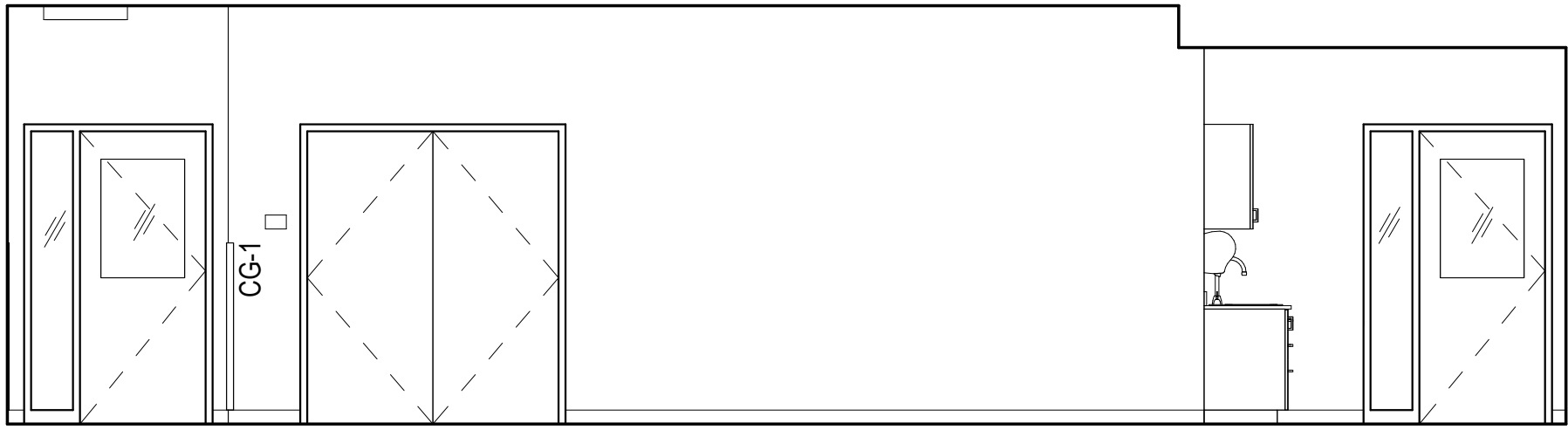
- REFER TO [A900] SERIES SHEETS FOR FINISH LEGEND.
- REFER TO [A700] SERIES SHEETS TYPICAL MOUNTING HEIGHTS.
- REFER TO [A800] SERIES SHEETS FOR CASEWORK LEGEND AND DETAILS. PAINT EXPOSED METAL DECK, STRUCTURE, DUCTS, AND CONDUIT AS SCHEDULED.

**INTERIOR ELEVATION LEGEND**

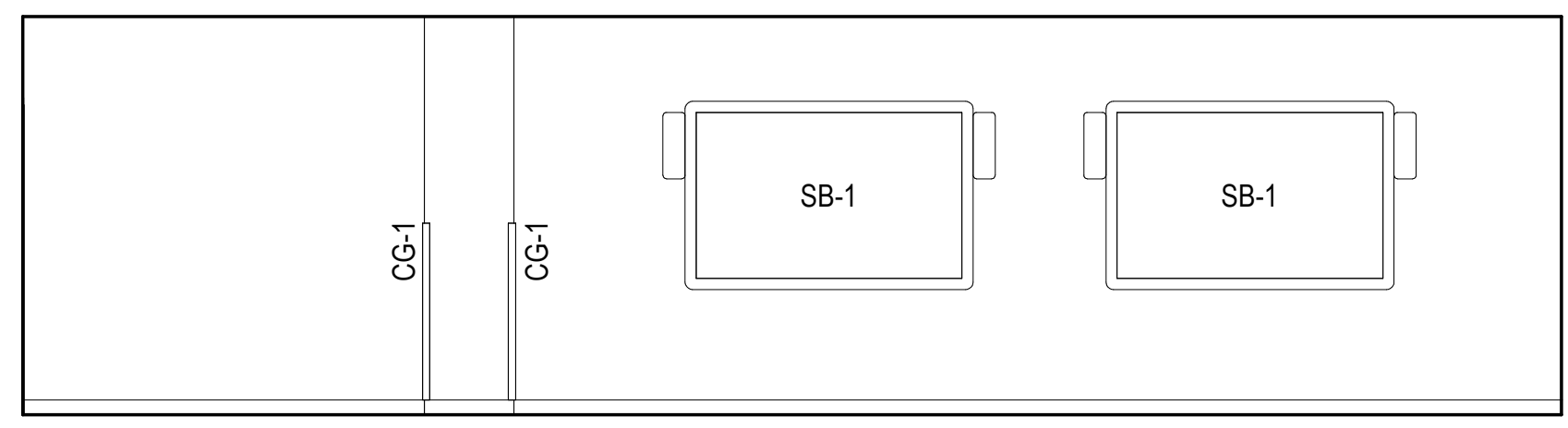
- OFCI
- NIC



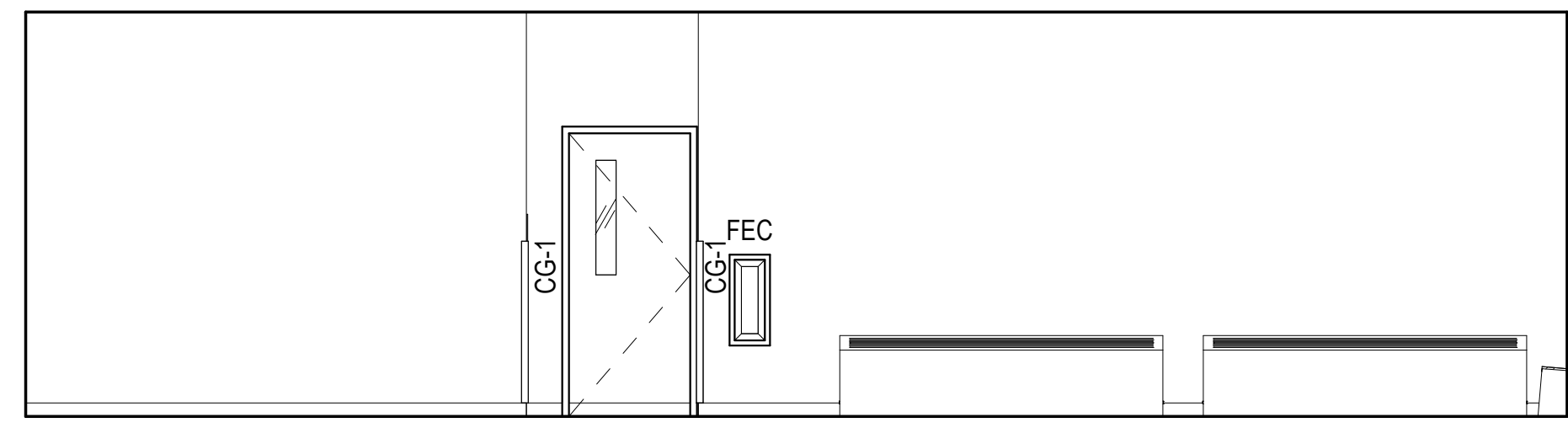
7 202 TRAINING - N  
A704 1/4" = 1'-0"



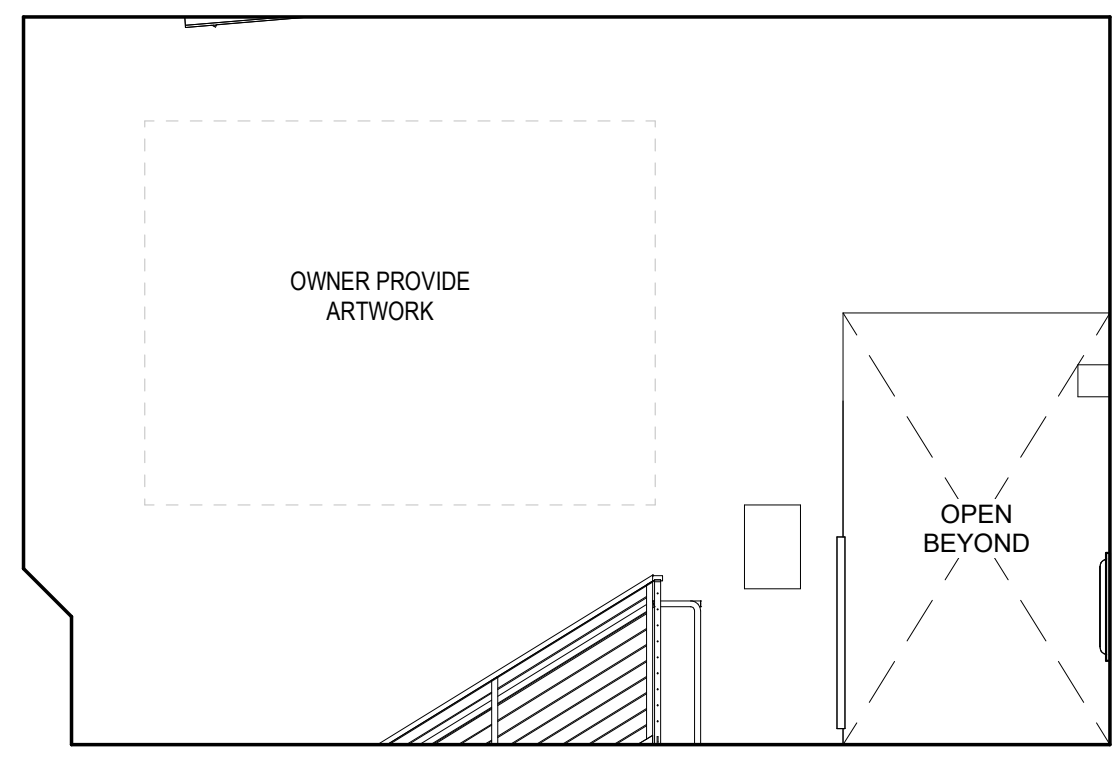
8 202 TRAINING - E  
A704 1/4" = 1'-0"



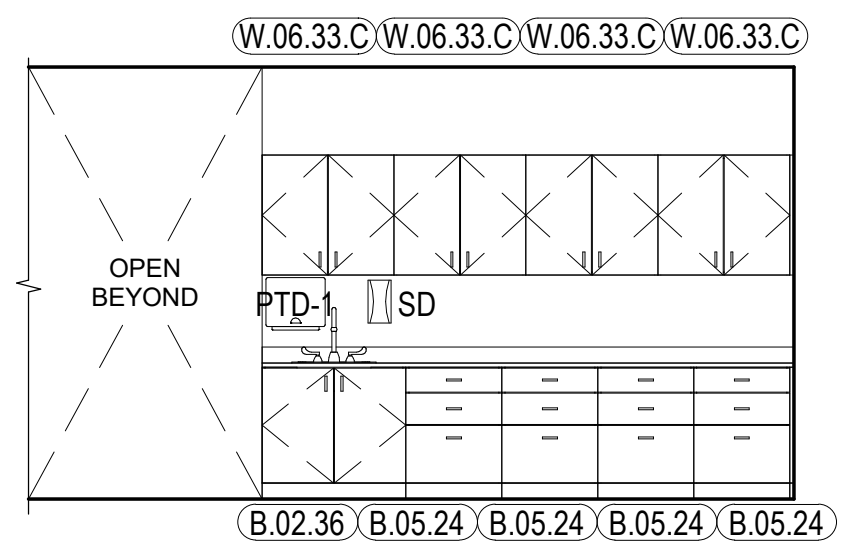
9 202 TRAINING - S  
A704 1/4" = 1'-0"



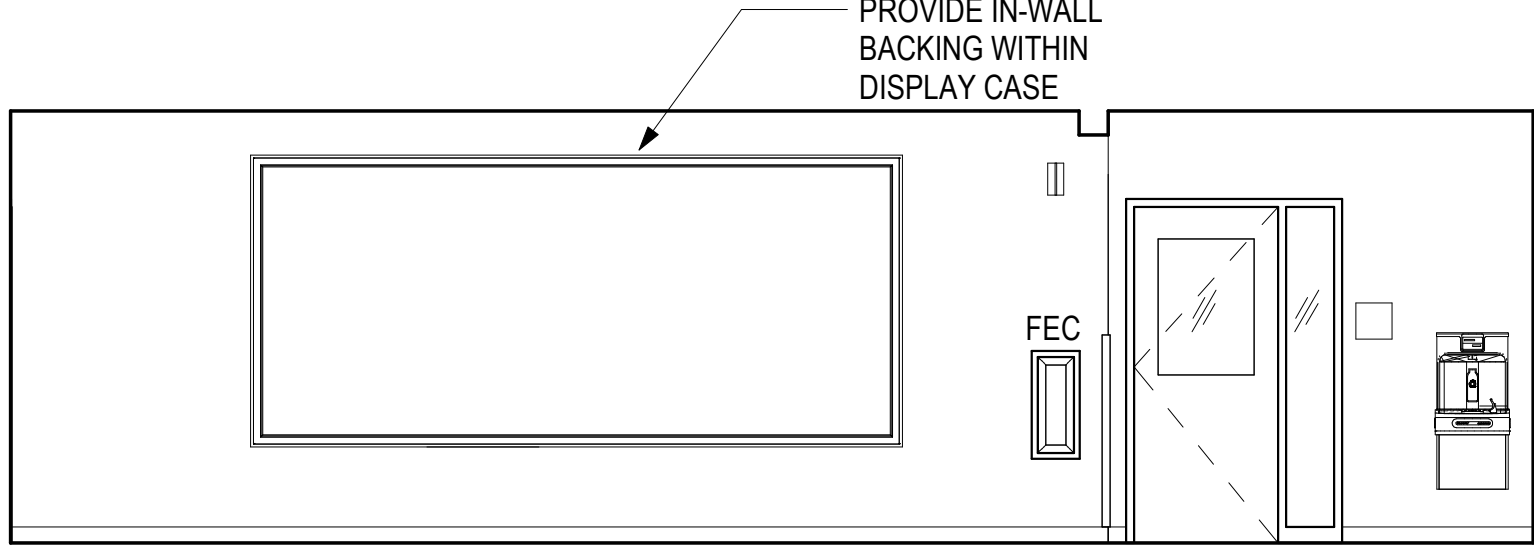
10 202 TRAINING - W  
A704 1/4" = 1'-0"



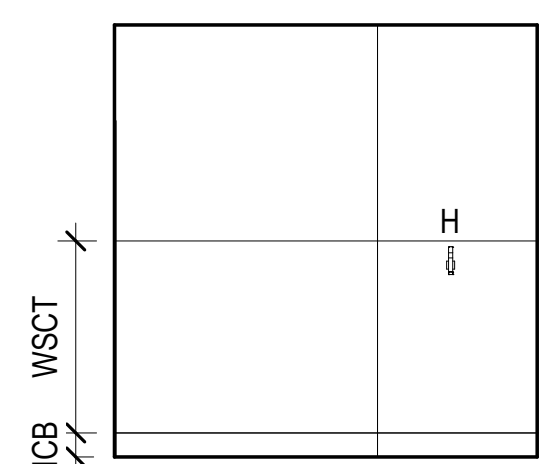
11 200 LOBBY - S  
A704 1/4" = 1'-0"



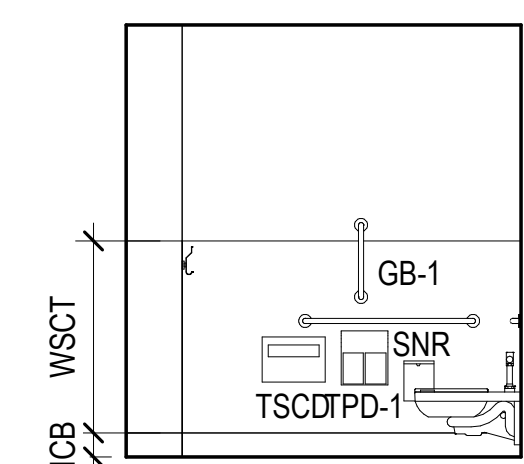
12 202 TRAINING CABINETRY - N  
A704 1/4" = 1'-0"



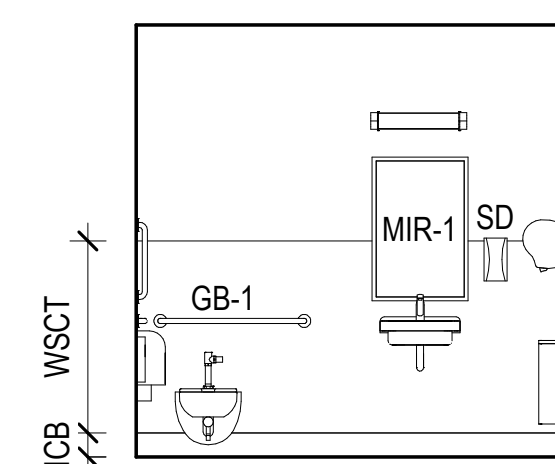
13 210 HALL - W  
A704 1/4" = 1'-0"



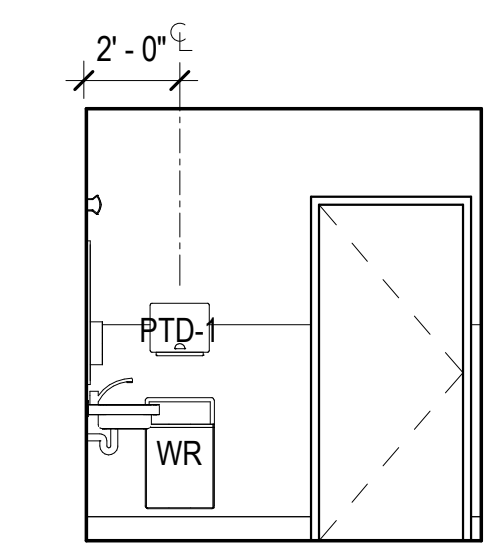
14 211T - N  
A704 1/4" = 1'-0"



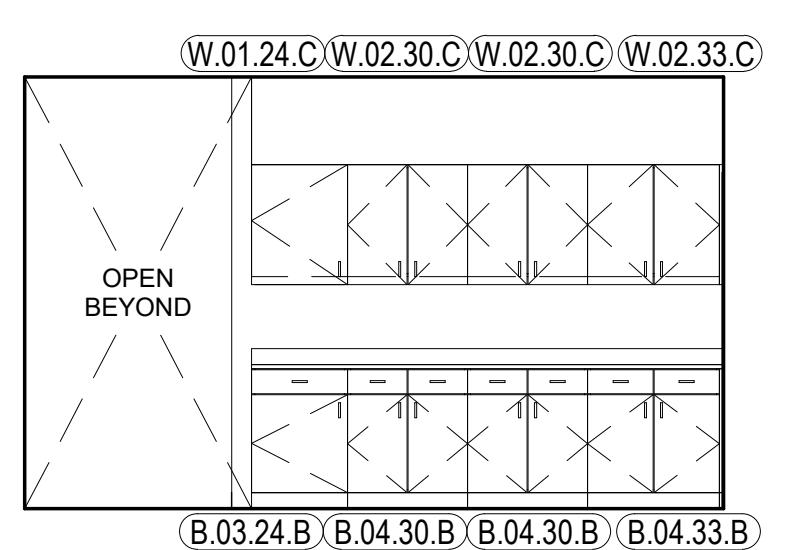
15 211T - E  
A704 1/4" = 1'-0"



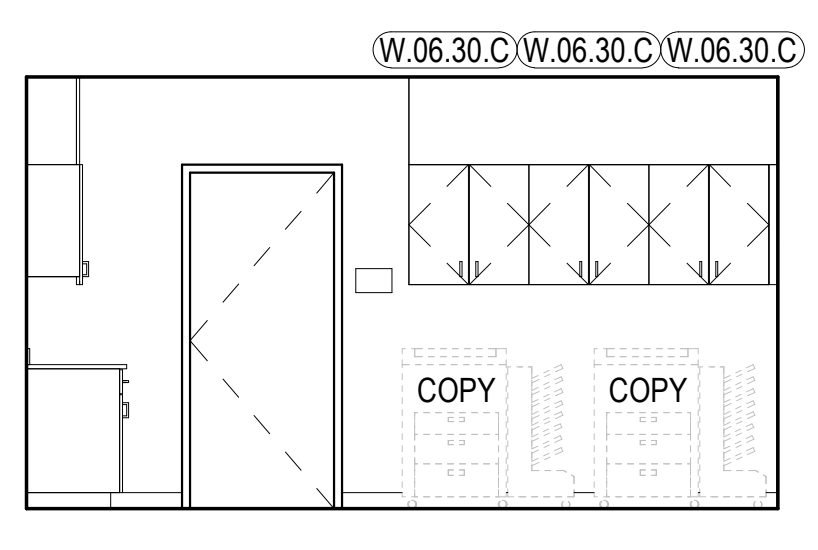
16 211T - S  
A704 1/4" = 1'-0"



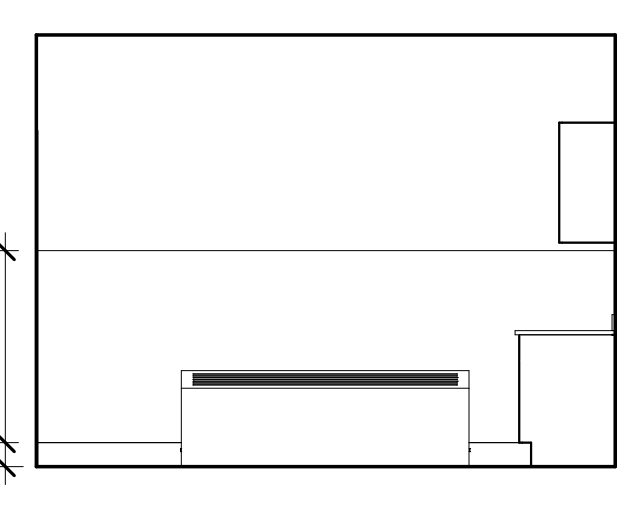
17 211T - W  
A704 1/4" = 1'-0"



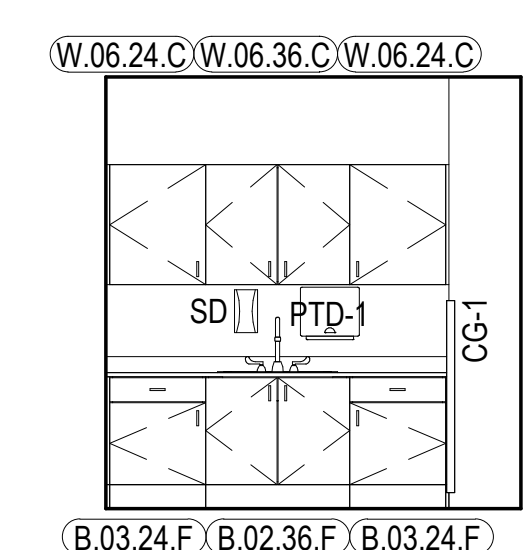
18 221 COPY - E  
A704 1/4" = 1'-0"



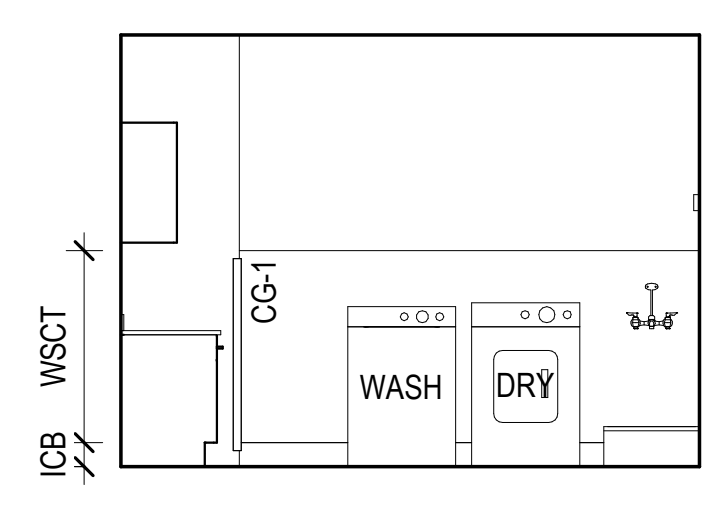
19 221 COPY - S  
A704 1/4" = 1'-0"



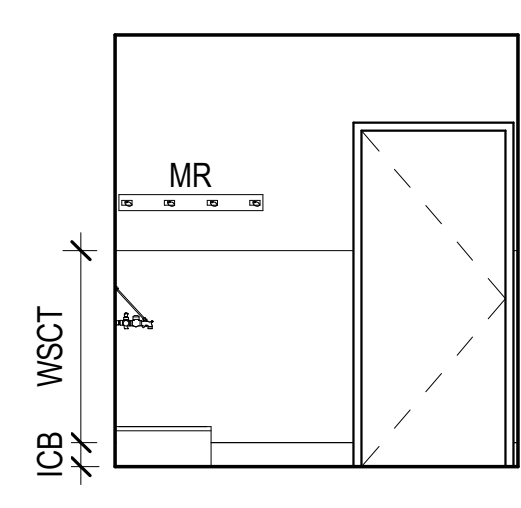
20 223 LAUNDRY - N  
A704 1/4" = 1'-0"



21 223 LAUNDRY - E  
A704 1/4" = 1'-0"



22 223 LAUNDRY - S  
A704 1/4" = 1'-0"



23 223 LAUNDRY - W  
A704 1/4" = 1'-0"

CONSULTANT:


PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: CC  
CHECKED BY: AK

REVISION	DESCRIPTION	DATE

INTERIOR ELEVATIONS

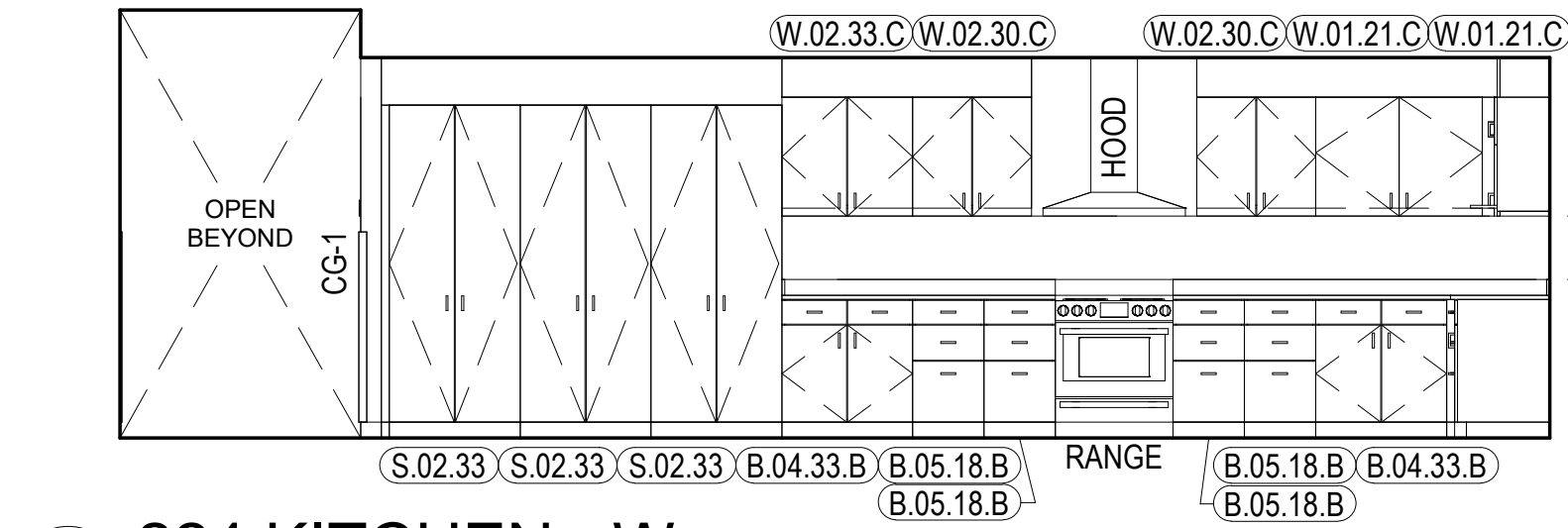
**A704**

NOT FOR CONSTRUCTION

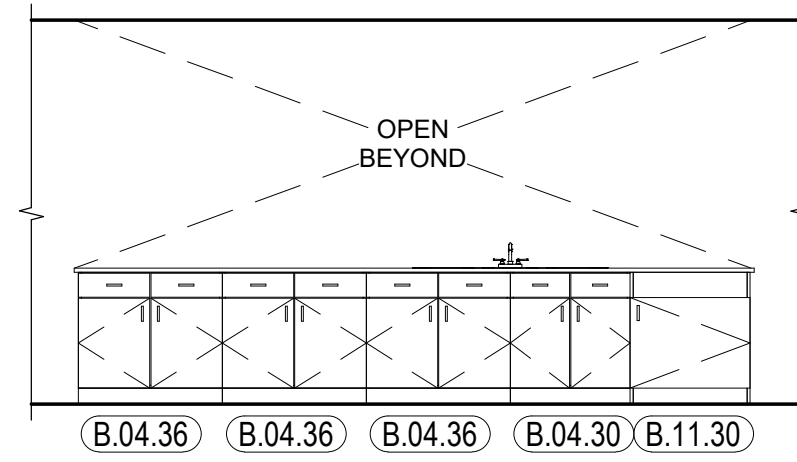


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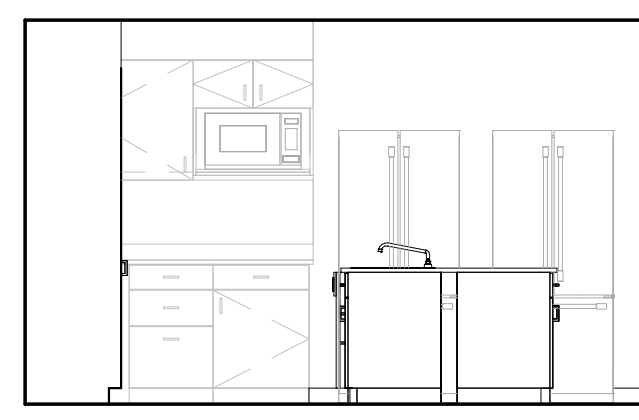
8/24/2022 7:07:31 AM BIM 360://20-130 Haines Public Safety Facility/20-130 HPSF-A-model.rvt



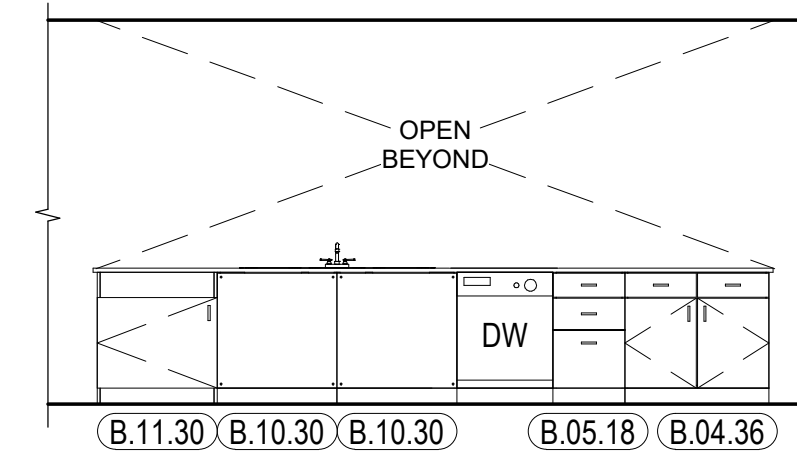
1 224 KITCHEN - W  
A705 1/4" = 1'-0"



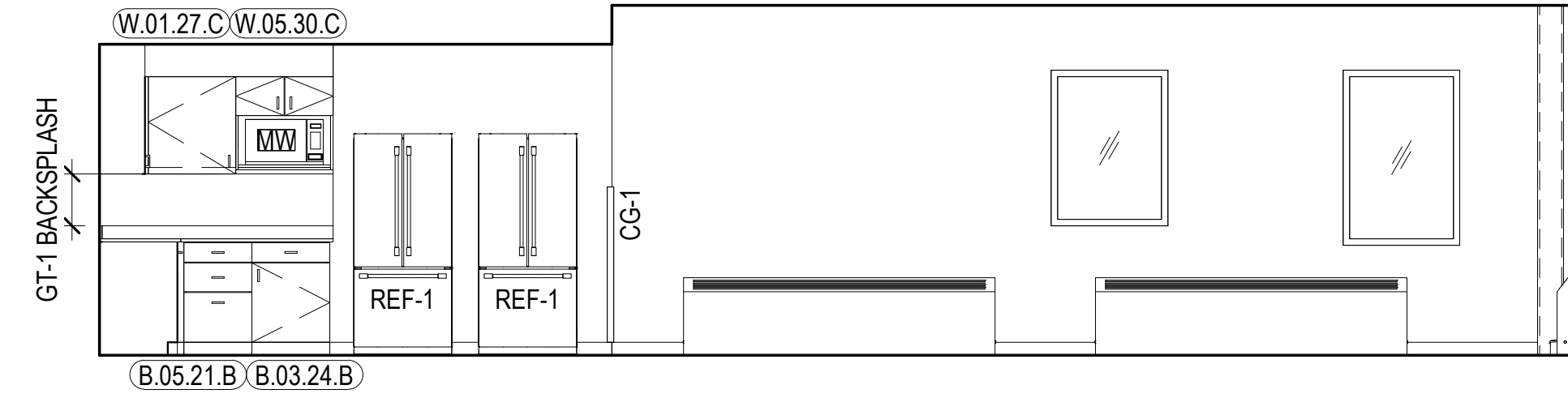
2 224 KITCHEN ISLAND - EAST FACE  
A705 1/4" = 1'-0"



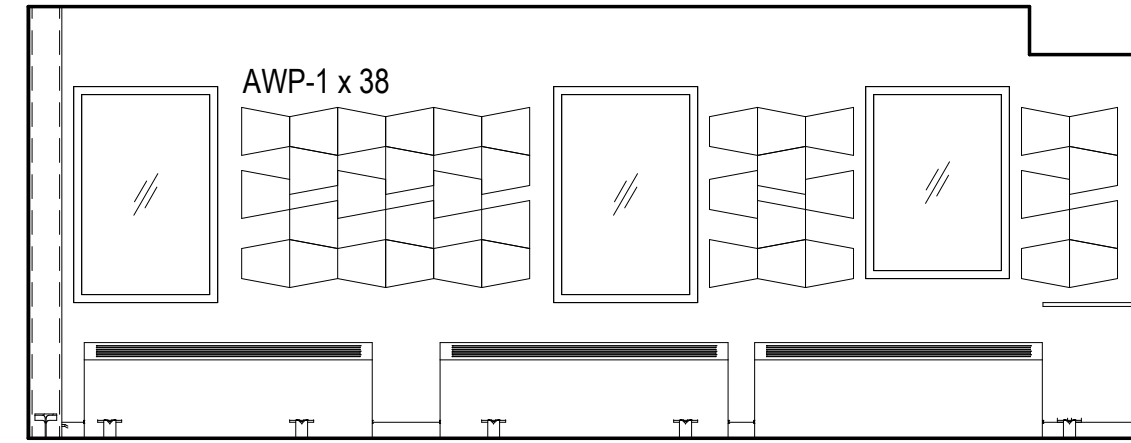
3 224 KITCHEN ISLAND - SOUTH FACE  
A705 1/4" = 1'-0"



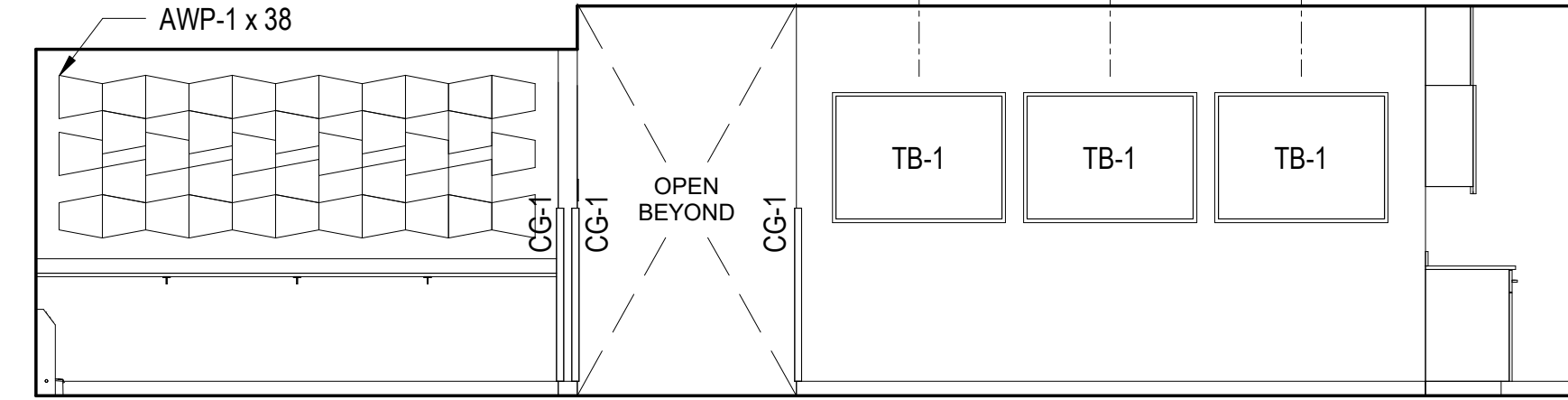
4 224 KITCHEN ISLAND - WEST FACE  
A705 1/4" = 1'-0"



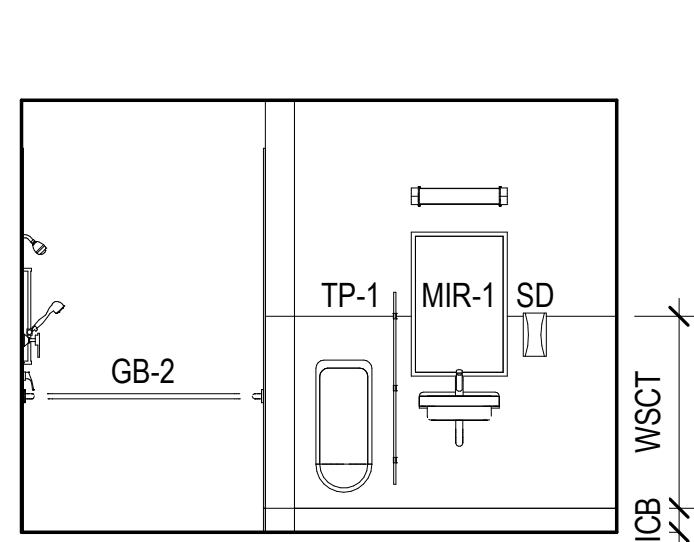
5 226 DAYROOM - N  
A705 1/4" = 1'-0"



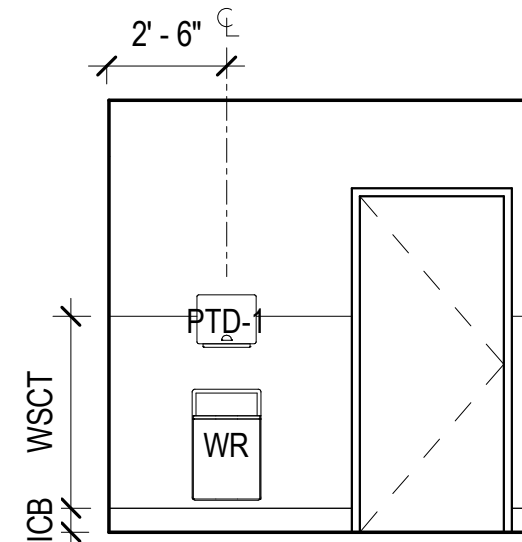
6 226 DAYROOM - E  
A705 1/4" = 1'-0"



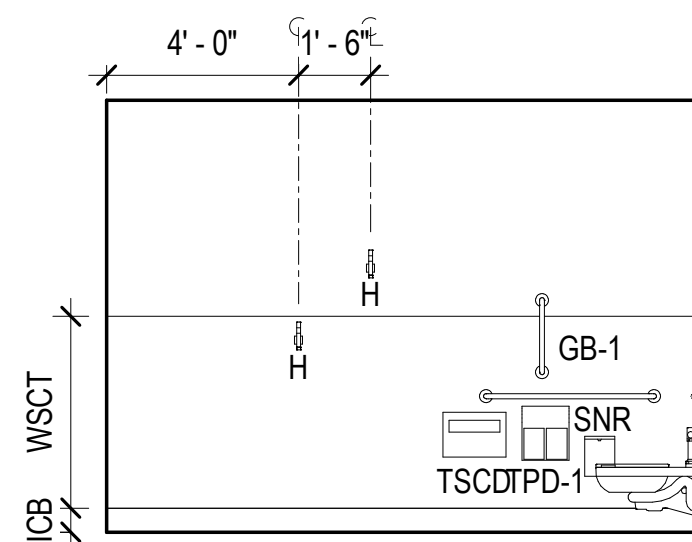
7 226 DAYROOM - S  
A705 1/4" = 1'-0"



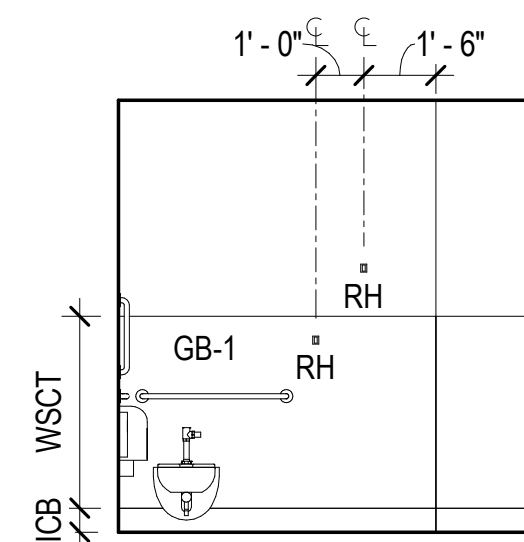
8 232T TLT/ SHWR - N  
A705 1/4" = 1'-0"



9 232T TLT/ SHWR - E  
A705 1/4" = 1'-0"



10 232T TLT/ SHWR - S  
A705 1/4" = 1'-0"



11 232T TLT/ SHWR - W  
A705 1/4" = 1'-0"

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: CC  
CHECKED BY: AK

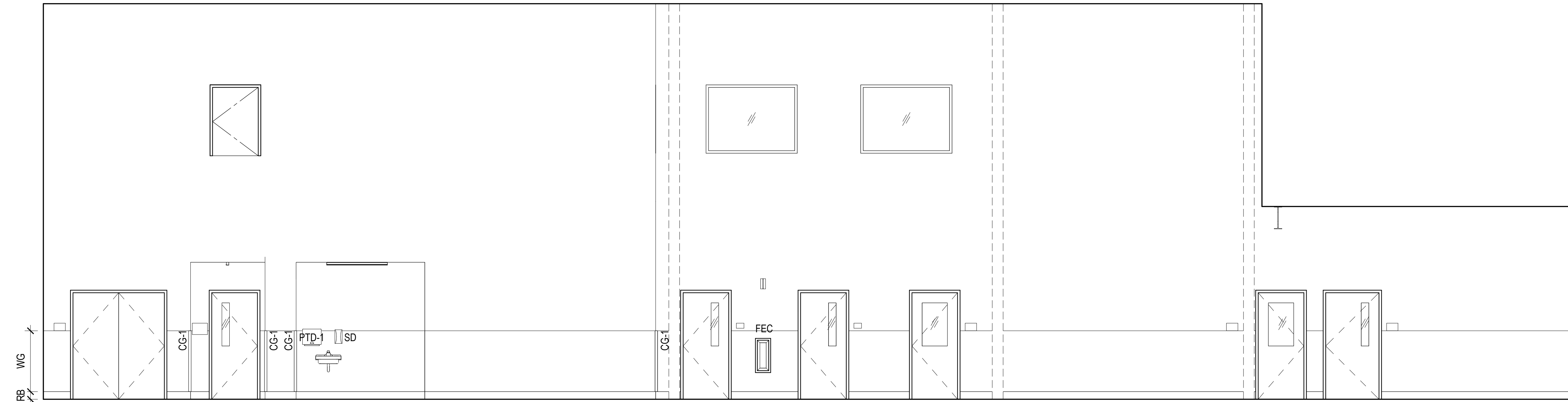
REVISION	DESCRIPTION	DATE

INTERIOR ELEVATIONS  
**A705**  
BETTISWORTH NORTH ARCHITECTS & PLANNERS

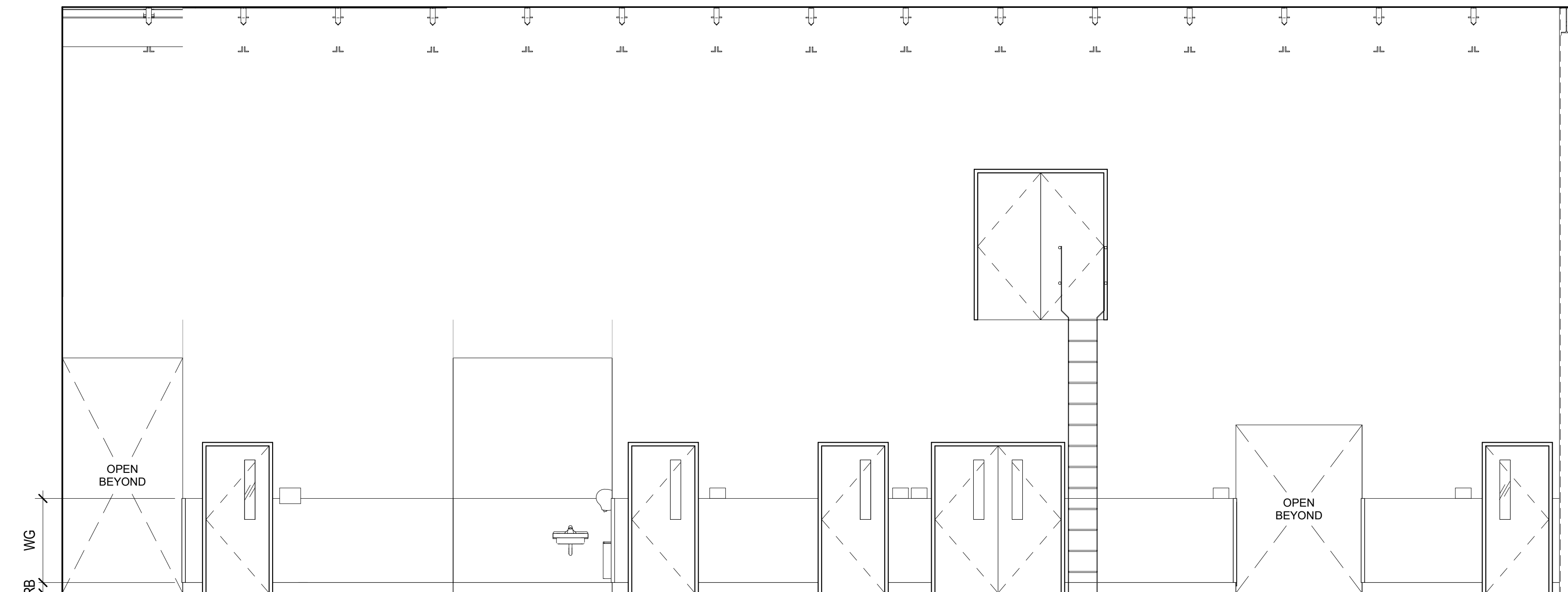
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1  
A706 190 APPARATUS BAYS - N  
1/4" = 1'-0"



2  
A706 190 APPARATUS BAYS - E  
1/4" = 1'-0"

GENERAL INTERIOR ELEVATION NOTES

- A. REFER TO [A900] SERIES SHEETS FOR FINISH LEGEND.
- B. REFER TO [A700] SERIES SHEETS TYPICAL MOUNTING HEIGHTS.
- C. REFER TO [A800] SERIES SHEETS FOR CASEWORK LEGEND AND DETAILS.
- D. PAINT EXPOSED METAL DECK, STRUCTURE, DUCTS, AND CONDUIT AS SCHEDULED.

INTERIOR ELEVATION LEGEND

- OFCI
- NIC

HAINES BOROUGH  
HAINES COMMUNITY SAFETY AND  
TRAINING CENTER  
HAINES, ALASKA

65% PRICING SET

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: CC  
CHECKED BY: AK

REVISION	DESCRIPTION	DATE

INTERIOR ELEVATIONS

A706

BETTISWORTH NORTH ARCHITECTS & PLANNERS

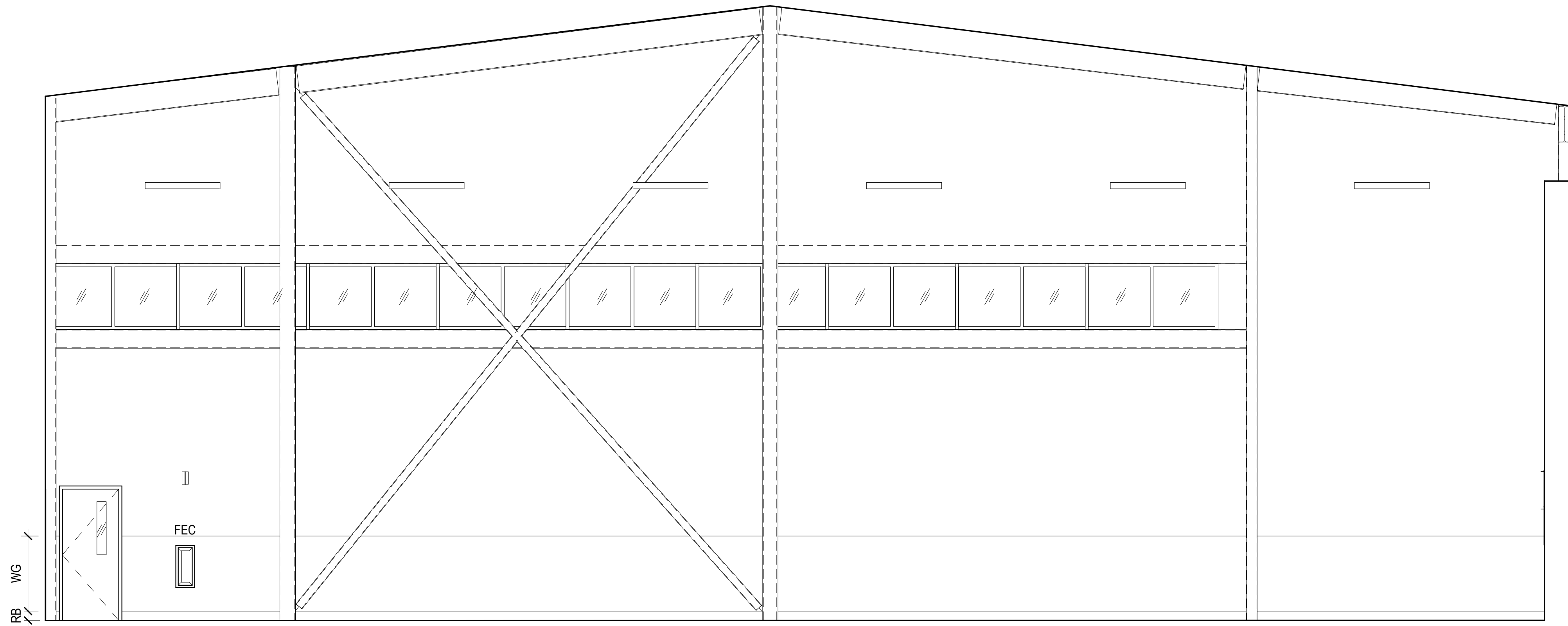
BETTISWORTH  
NORTH

CORPORATE NO. AEC219 BETTISWORTH.COM

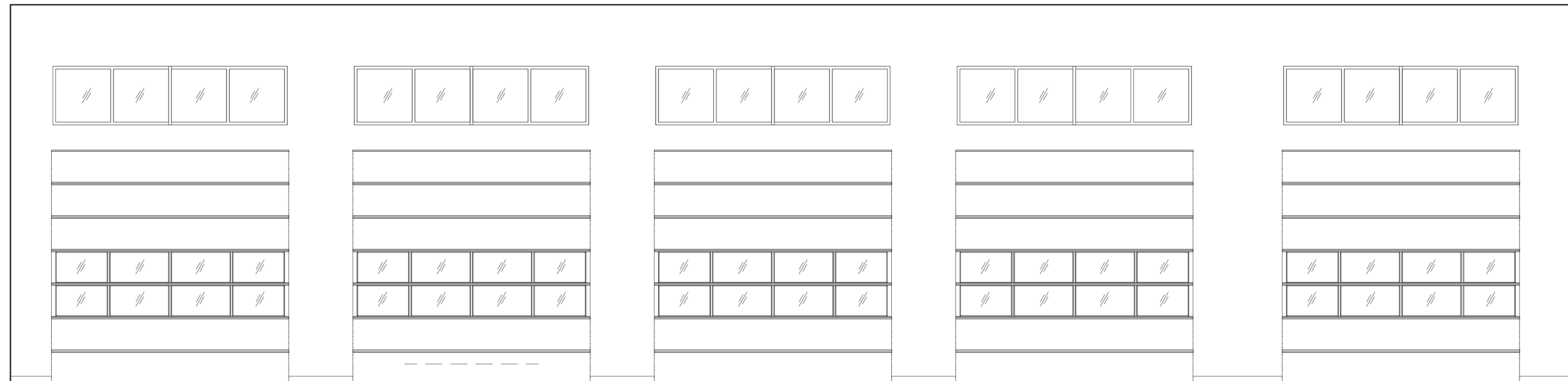
NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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1 190 APPARATUS BAYS - S  
A707 1/4" = 1'-0"



2 190 APPARATUS BAYS - W  
A707 1/4" = 1'-0"

GENERAL INTERIOR ELEVATION NOTES

- A. REFER TO [A900] SERIES SHEETS FOR FINISH LEGEND.
- B. REFER TO [A700] SERIES SHEETS TYPICAL MOUNTING HEIGHTS.
- C. REFER TO [A800] SERIES SHEETS FOR CASEWORK LEGEND AND DETAILS.
- D. PAINT EXPOSED METAL DECK, STRUCTURE, DUCTS, AND CONDUIT AS SCHEDULED.

INTERIOR ELEVATION LEGEND

- OFCI
- NIC

**BETTISWORTH  
NORTH**

CORPORATE NO. AECC219 BETTISWORTH.COM

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND  
TRAINING CENTER**  
HAINES, ALASKA

65% PRICING SET

CONSULTANT:


PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: CC  
CHECKED BY: AK

REVISION	DESCRIPTION	DATE

INTERIOR ELEVATIONS  
**A707**

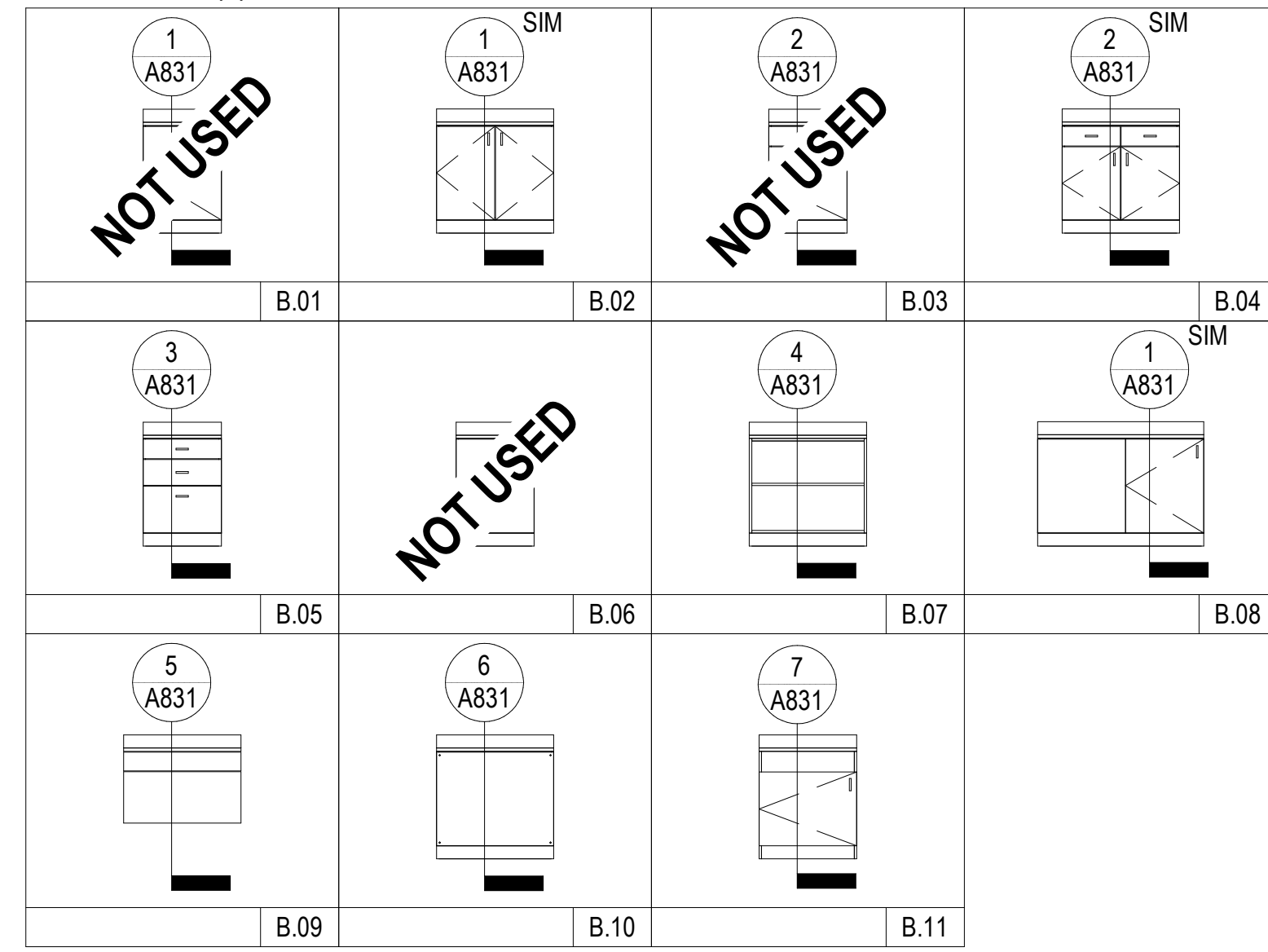
BETTISWORTH NORTH ARCHITECTS & PLANNERS

NOT FOR CONSTRUCTION

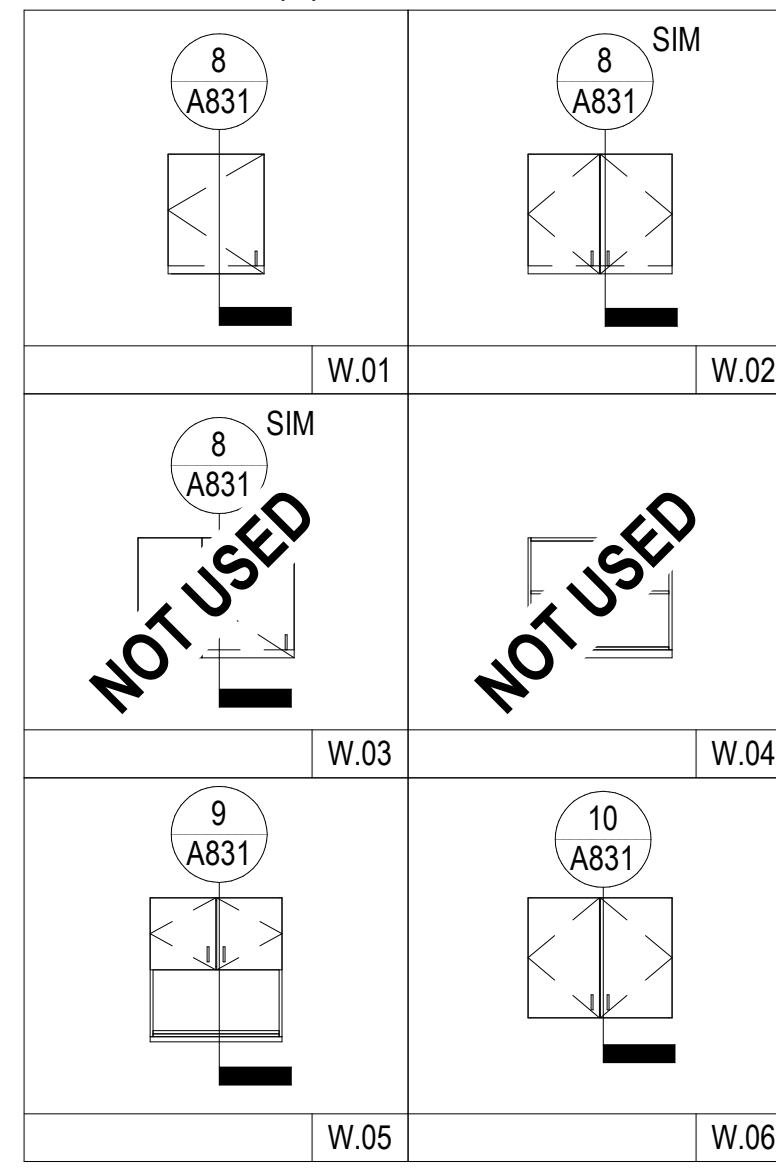
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

### CASEWORK LEGEND

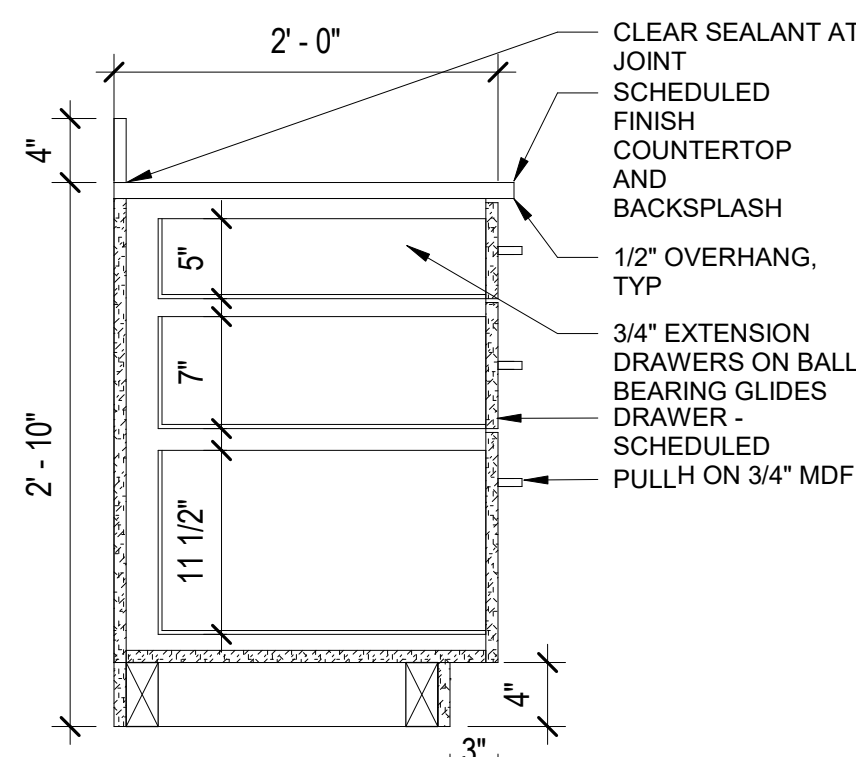
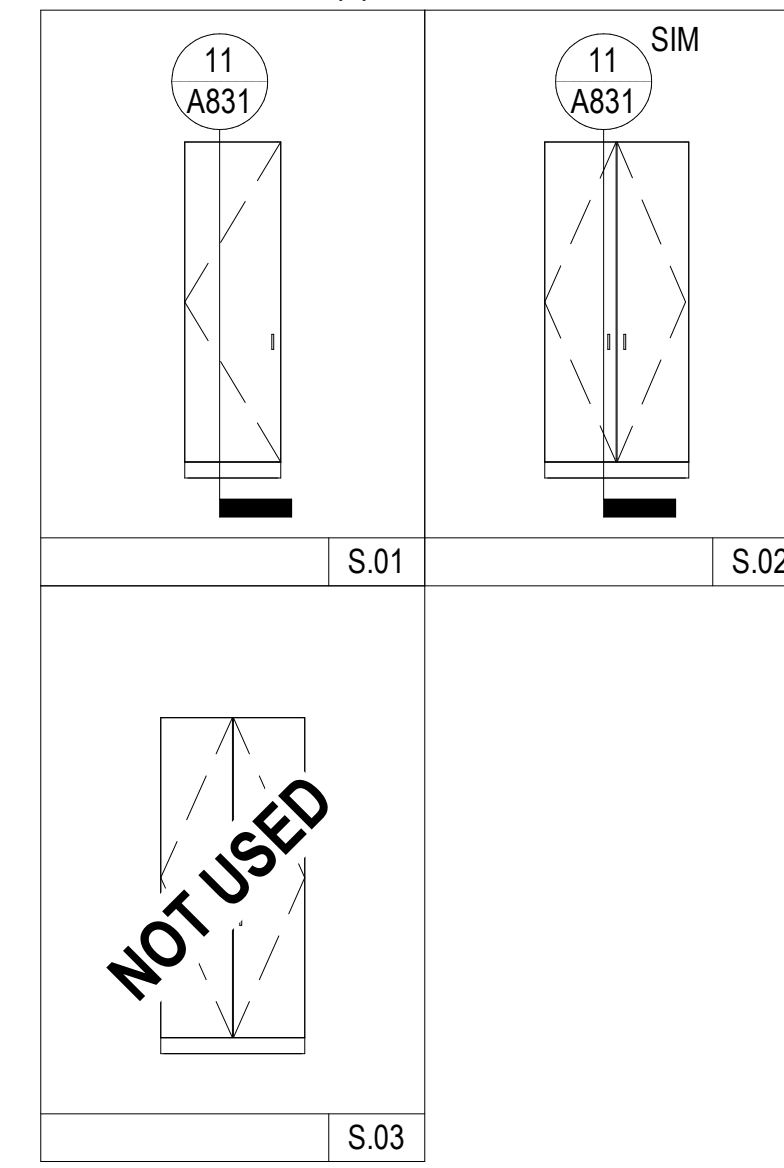
#### BASE CABINETS (B)



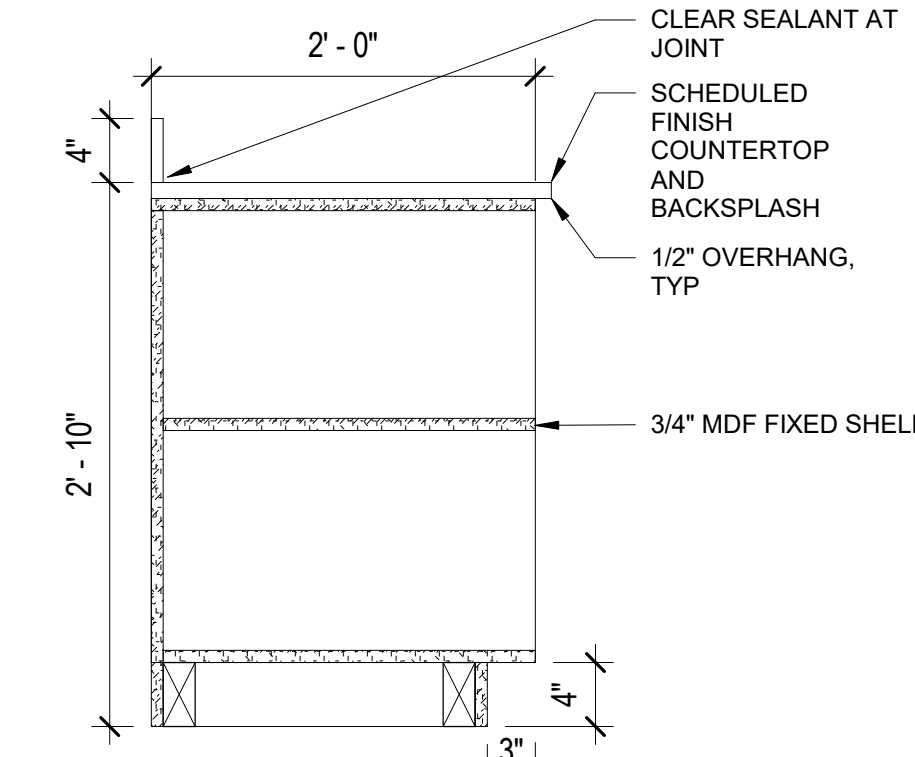
#### WALL CABINETS (W)



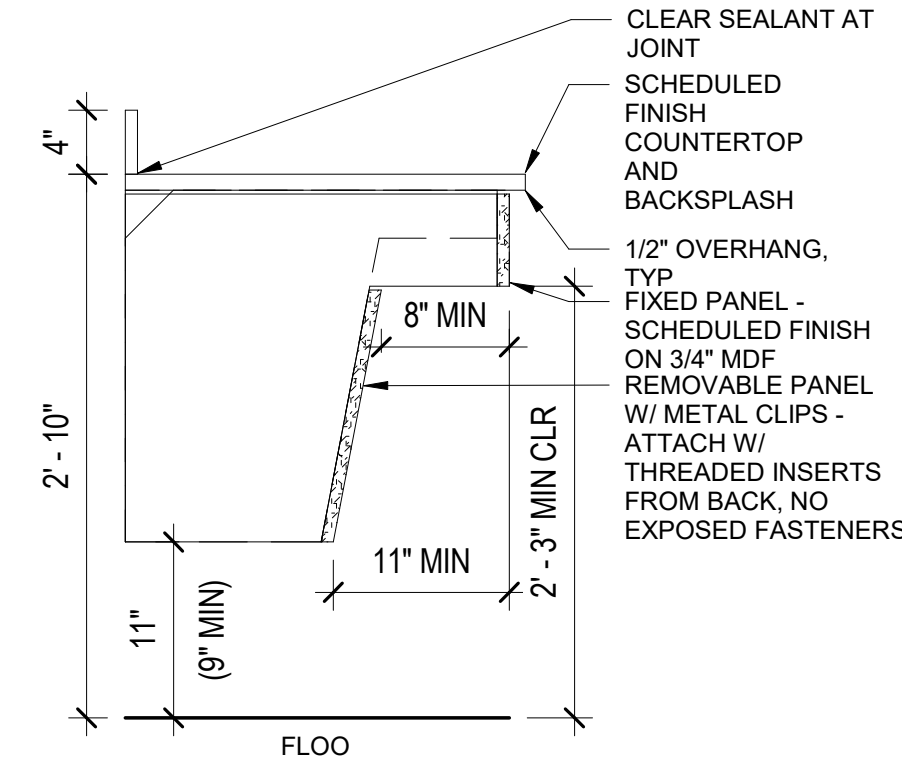
#### STORAGE CABINETS (S)



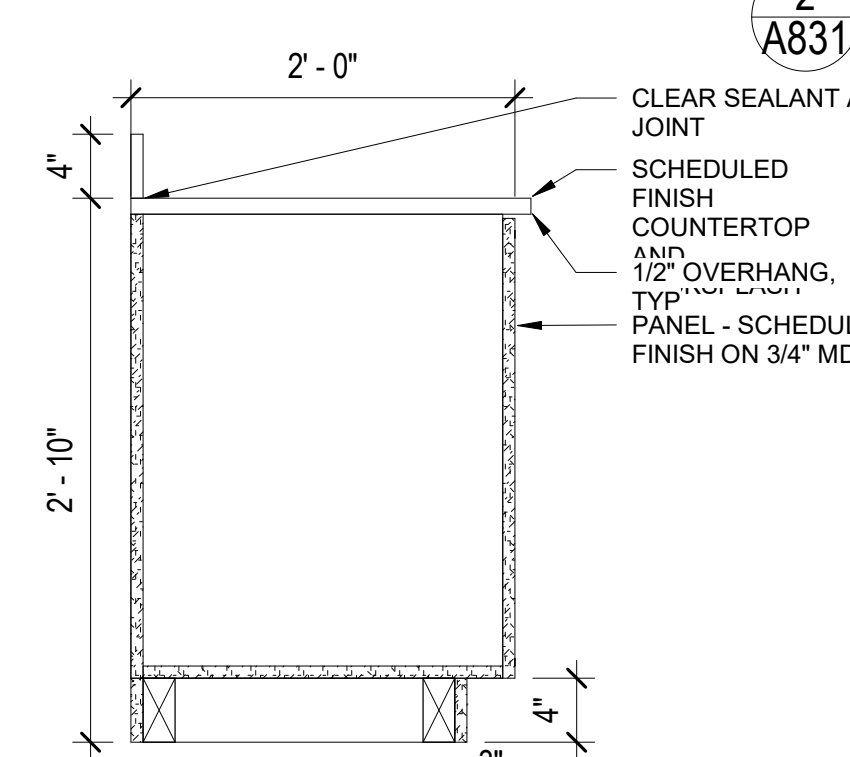
**3** BASE - 3 DWR  
1" = 1'-0"



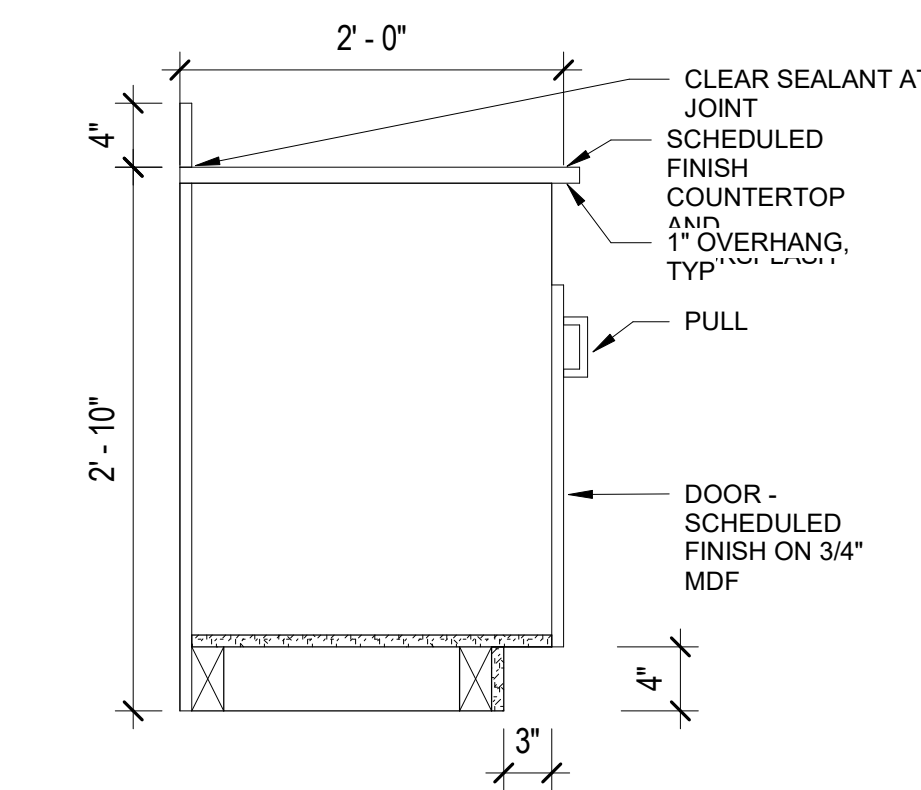
**4** BASE - SHELVES  
1" = 1'-0"



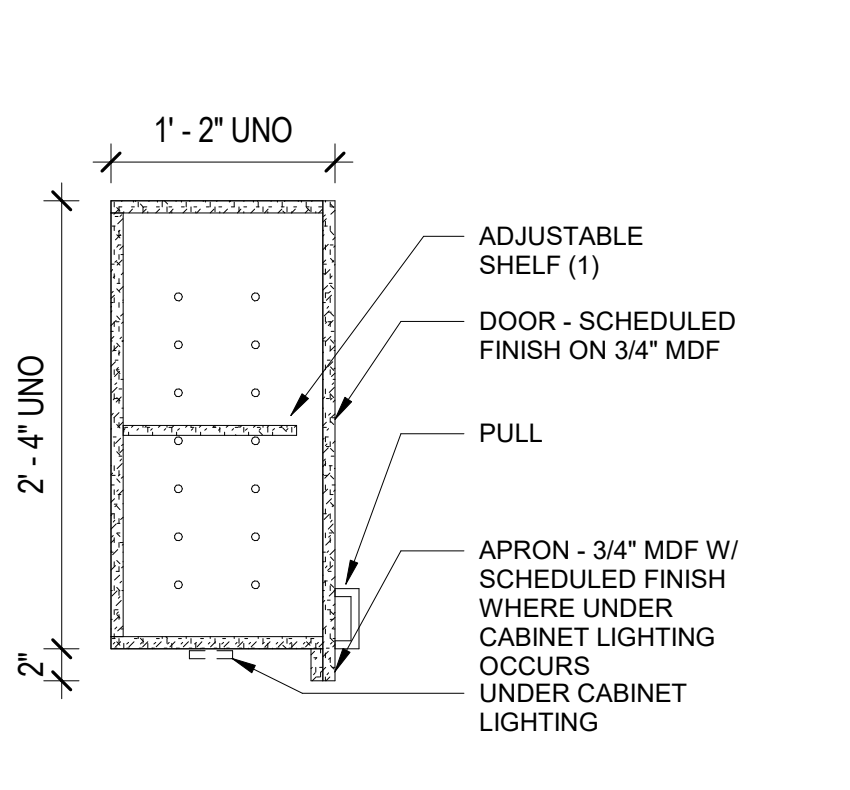
**5** BASE - APRON  
1" = 1'-0"



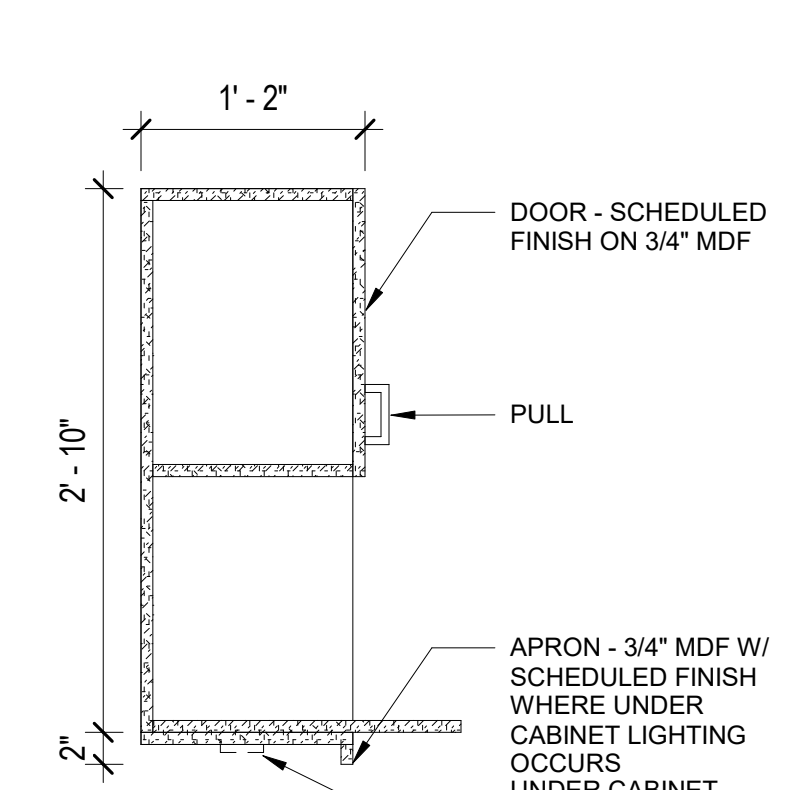
**6** BASE - SINK PANEL  
1" = 1'-0"



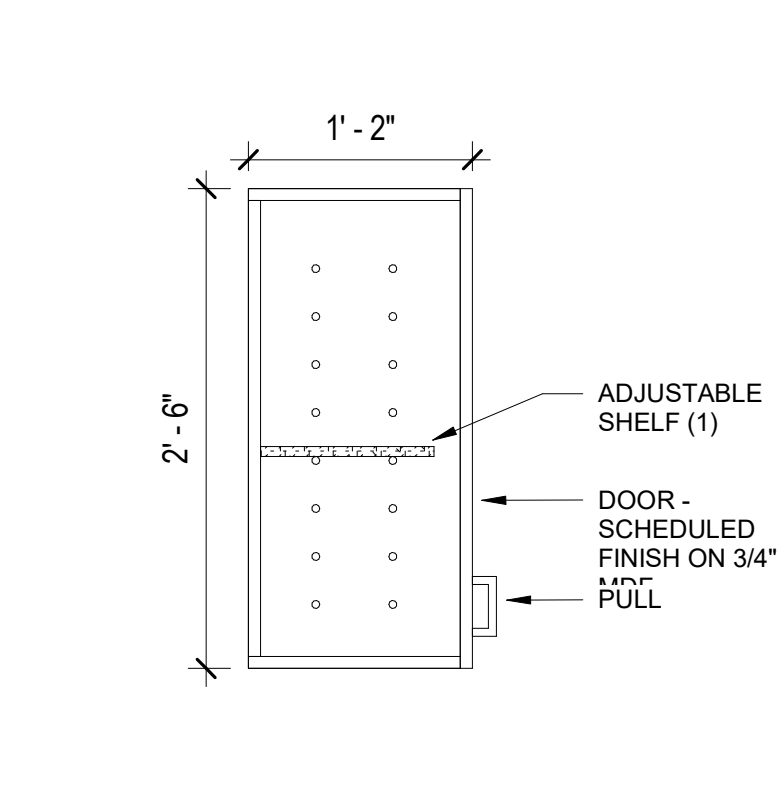
**7** BASE - DOOR WR  
1" = 1'-0"



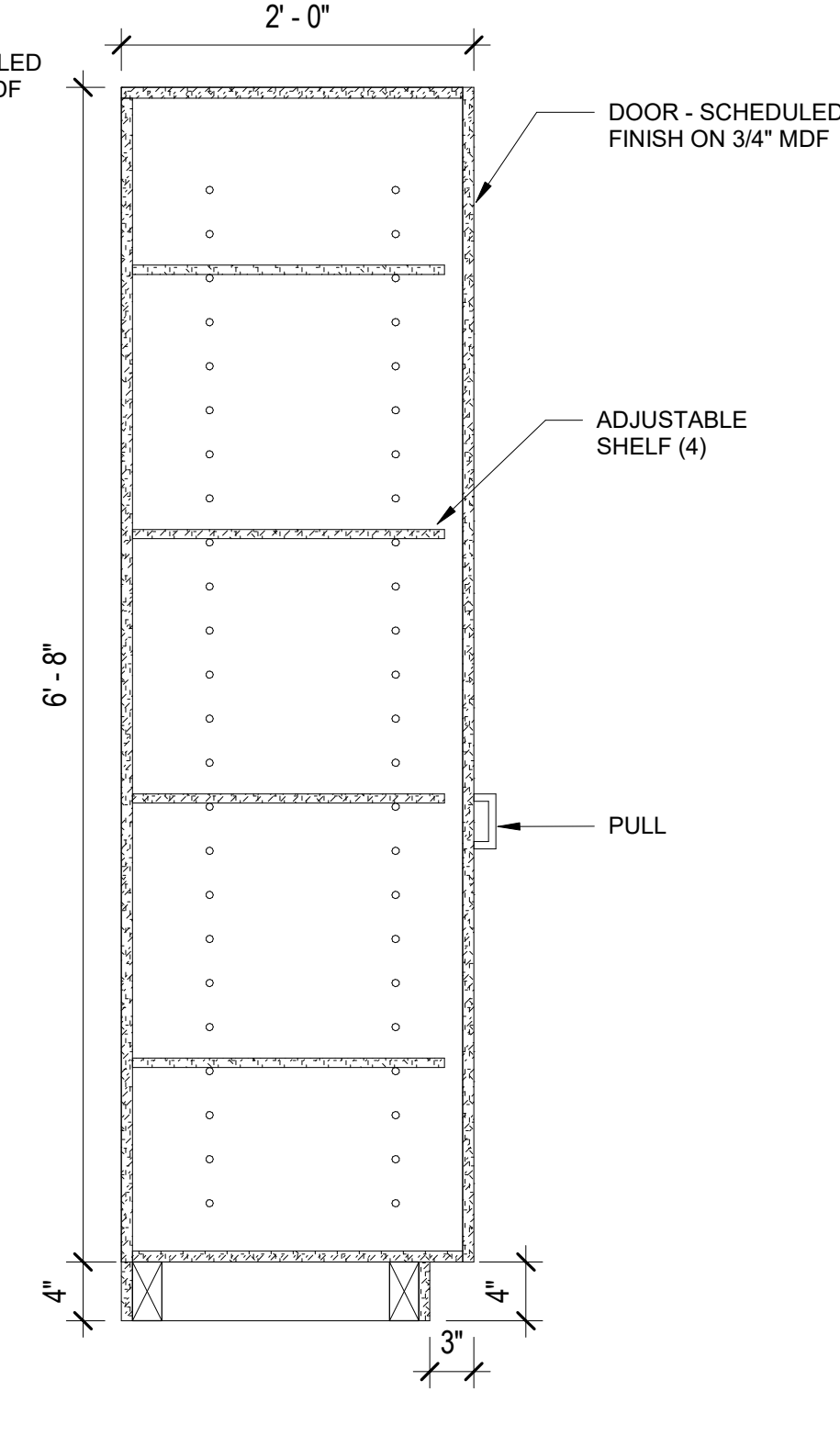
**8** WALL - DOOR W/ LIGHT  
1" = 1'-0"



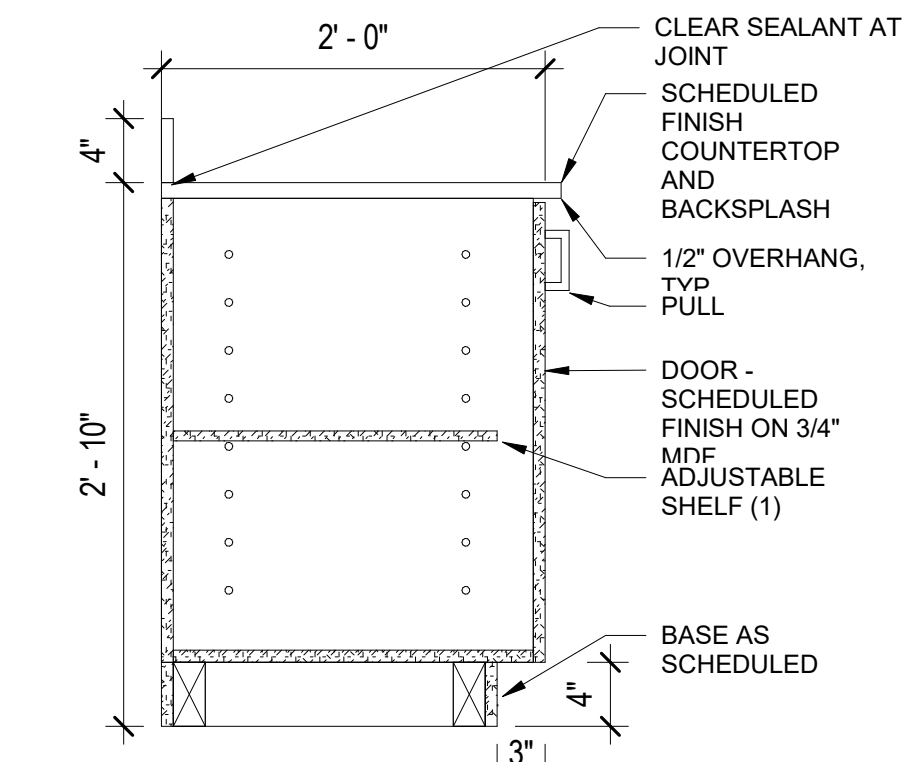
**9** WALL - MICRO  
1" = 1'-0"



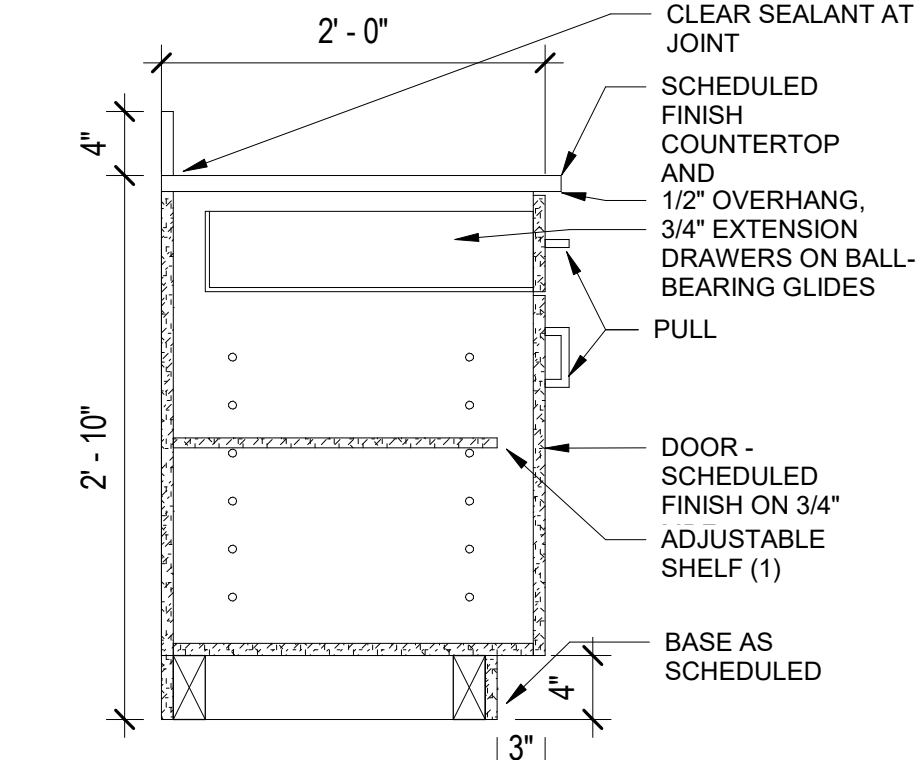
**10** WALL - DOOR  
1" = 1'-0"



**11** STOR - DOOR  
1" = 1'-0"

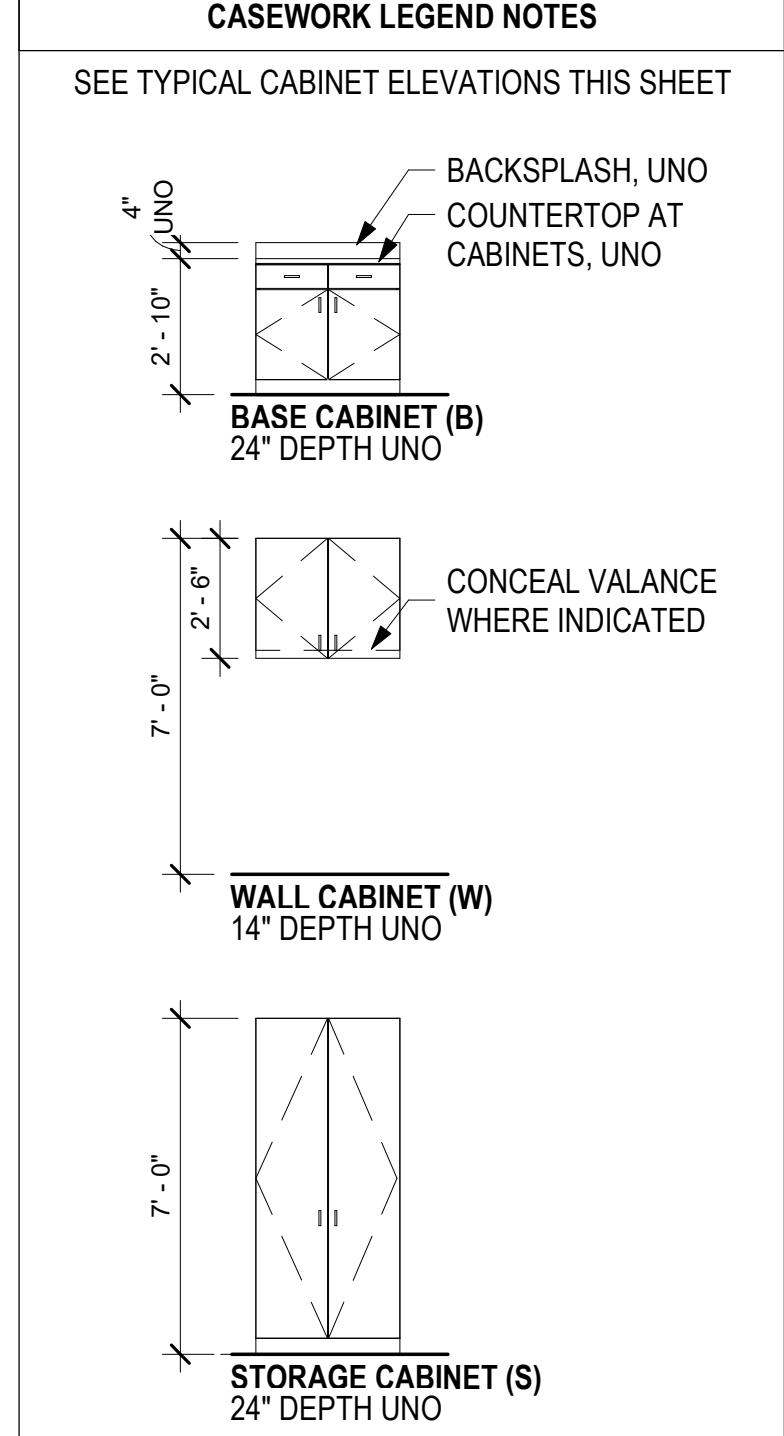


**1** BASE - DOOR  
1" = 1'-0"



**2** BASE - DOOR DWR  
1" = 1'-0"

- #### CASEWORK LEGEND NOTES
- THE 'CASEWORK CODE' SYMBOLS SPECIFYING THE PARTICULAR MODULES ARE SHOWN ON INTERIOR ELEVATIONS.
  - PROVIDE CASEWORK IN STANDARD MODULES OF 3" INCREMENTS UNO.
  - SINGLE DOOR 12" - 24" W, DOUBLE DOOR 30" - 36" W, UNO.
  - FOR SPECIAL CASEWORK CONFIGURATIONS REFER TO THE INTERIOR ELEVATIONS AS TARGETED ON THE FLOOR PLANS.
  - VERIFY MOUNTING HEIGHTS AND CLEARANCES AT ALL LOCATIONS; NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITH THE CONTRACT DRAWINGS.
  - INSTALL ALL SINKS CENTER OF CABINET, UNO. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
  - REFER TO SPECIFICATIONS FOR ADDITIONAL CONSTRUCTION, INSTALLATION, HARDWARE, FINISH AND/OR OTHER REQUIREMENTS PROVIDE ALL REQUIRED AND/OR NECESSARY BACKING, BLOCKING AND OTHER STRUCTURAL SUPPORT.
  - PROVIDE FINISHED END PANEL TO MATCH ADJACENT EXPOSED SURFACES AT ALL EXPOSED END UNITS.
  - PROVIDE FINISH FILLER, 1"-2" WIDE & SCRIBED NEATLY TO ADJACENT SURFACE, AT CABINETS ABUTTING OTHER CONSTRUCTION, UNO.
  - COLORS AND/OR SPECIFIC FINISHES TO BE FINALIZED BY THE ARCHITECT DURING CONSTRUCTION.
  - MODIFY SIDE PANELS AT WALL CABINETS FOR CONTINUOUS UNINTERRUPTED ROUTING OF UNDER CABINET LIGHTS.
  - PROVIDE 1 LABEL HOLDER FOR EACH DOOR AND DRAWER WHERE INDICATED IN CASEWORK CODE SPECIAL CONDITIONS.
  - PROVIDE SCHEDULED RESILIENT BASE AT TOE KICK UNO.
  - PROVIDE BACK AND SIDE SPLASHES WHERE COUNTERTOPS ABUT ADJACENT WALL CONSTRUCTION. SPLASH FINISH WILL MATCH COUNTERTOP FINISH UNO.



- #### CASEWORK CODE
- SEE FINISH SCHEDULE FOR CASEWORK FINISHES
- #### MATERIAL DESIGNATION
- (B.01.36.X)
- SPECIAL CONDITION
  - A: KITLOCK
  - B: 36" TALL
  - C: MOUNTED AT 7'-2"
  - D: 6" BACKSPASH
  - E: 16" DEEP
  - F: 6" TOE
- DIMENSION WIDTH  
TYPE WITHIN CABINET GROUP  
CABINET GROUP: B, W, S

CONSULTANT:

PROJECT NO: 20-130  
 DATE: 2022-08-25  
 DRAWN BY: CC  
 CHECKED BY: AK

REVISION	DESCRIPTION	DATE

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8/24/2022 7:07:35 AM

BOOT STORAGE DETAILS TO BE DEVELOPED FOR FINAL SUBMITTAL

T C A

architecture • planning

BETTISWORTH NORTH

CORPORATE NO. AEC219 BETTISWORTH.COM

HAINES BOROUGH  
HAINES COMMUNITY SAFETY AND TRAINING CENTER  
HAINES, ALASKA

65% PRICING SET

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: CC  
CHECKED BY: AK

REVISION	DESCRIPTION	DATE

BOOT STORAGE  
**A832**

NOT FOR CONSTRUCTION

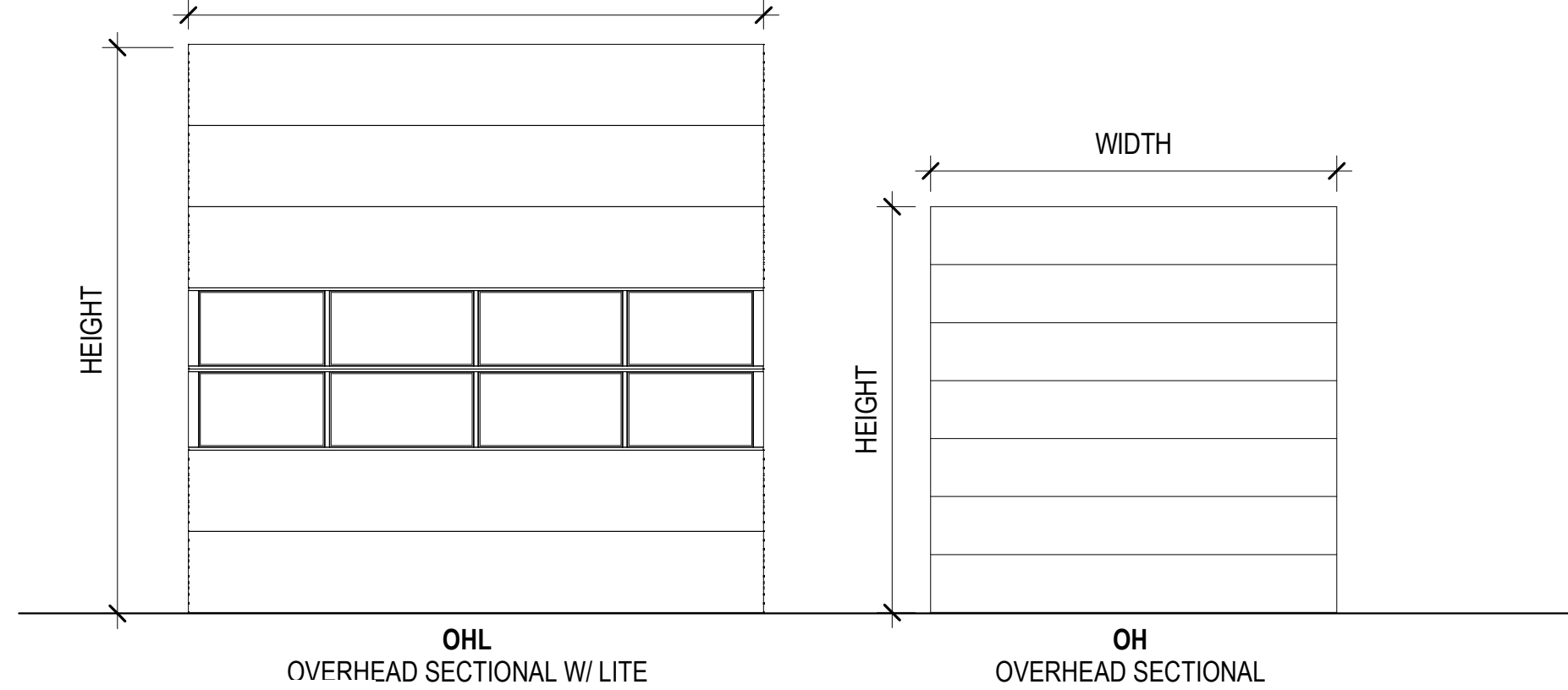
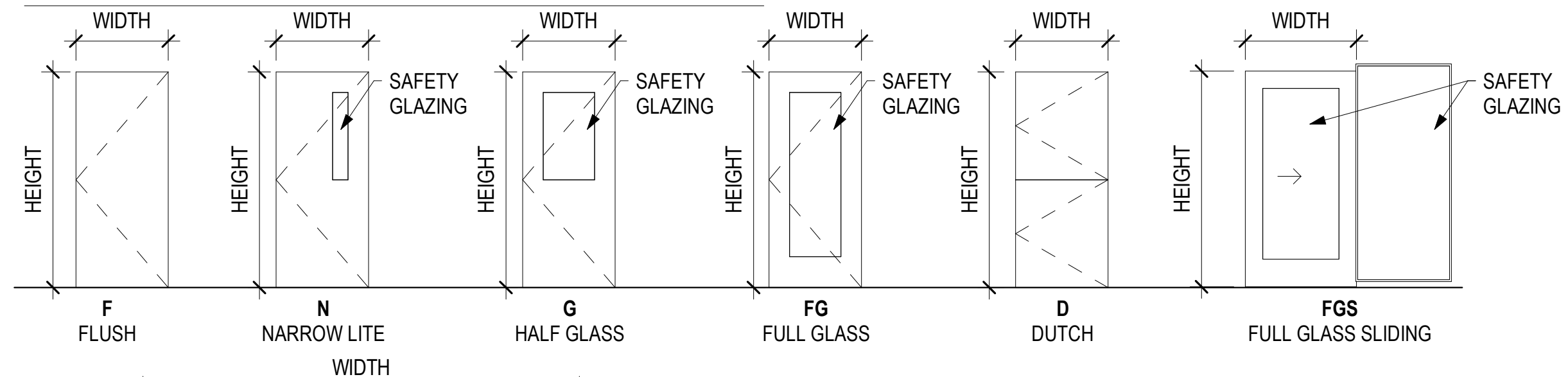
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# DOOR SCHEDULE

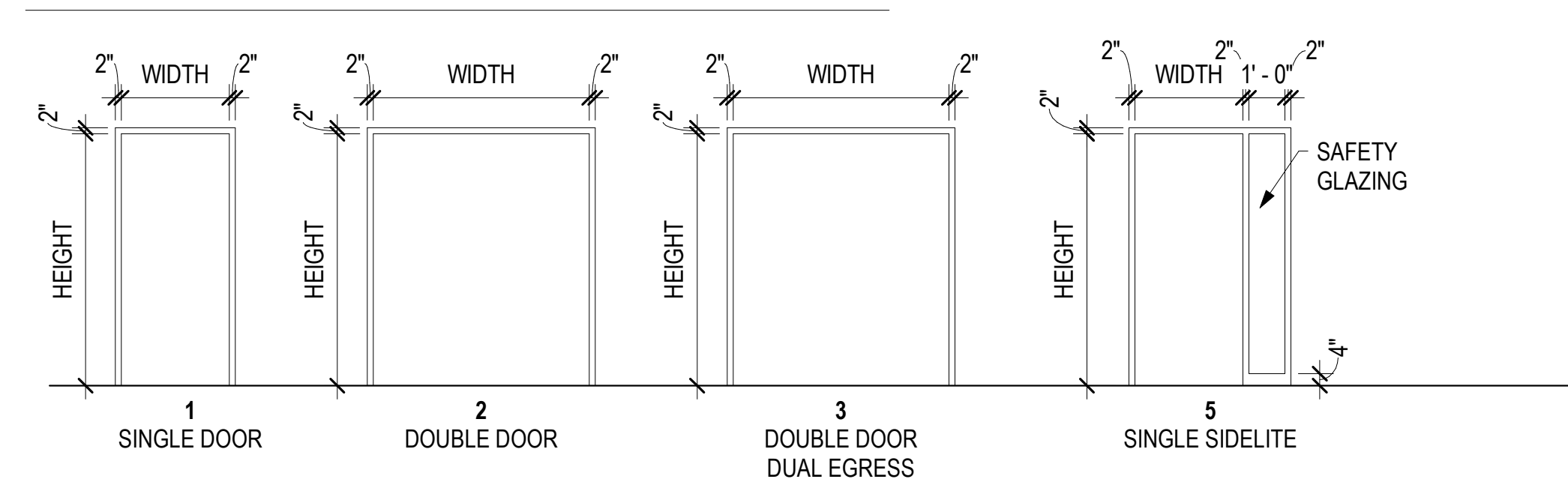
DOOR NO.	PANEL							FRAME					FIRE RATING	HARDWARE	COMMENTS
	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	JAMB	HEAD				
100A	FG	3'-0"	7'-0 3/4"	1 3/4"	ALUM	FF	1	ALUM	FF				02		
100B	G	3'-0"	7'-0"	2 1/2"	WD	FF	1	HM	P				03		BULLET-RESISTANT LEVEL 5
100V	FG	3'-0"	7'-0"	1 3/4"	ALUM	FF	1	ALUM	FF				01		
102	F	3'-0"	7'-0"	2"	HM	P	1	HM	P			60 MIN	11		
111T	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P				14		
112	N	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P				03A		
112.1	FG	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P				15		
112C	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P				11A		
112T	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P				14		
113T	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P				14		
115.1	F	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				13		
115A	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P				03A		
115B	N	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				05		
120J	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P				16		
122.1	F	3'-6"	7'-0"	1 3/4"	WD	FF	1	HM	P				12W		
122A	F	3'-0"	7'-0"	1 3/4"	WD	FF	5	HM	P				03A		
122B	FGS	3'-4 1/2"	7'-3 1/8"	1 3/4"	WD	FF		ALUM	FF				18		
122C	F	3'-0"	7'-0"	1 3/4"	IHM	P	1	IHM	P				01		
124	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P				13		
125	G	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P				13A		
130	N	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P				03		
132	G	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P				13		
132.1	G	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P				06		
134	G	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P				06		
141T	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P				14		
142T	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P				14		
143	N	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				04		
143.1	F	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				03A		
143A	OH	10'-0"	10'-0"	1 1/2"	STL	P							00		FIELD PREP & PAINT
145A	OH	10'-0"	10'-0"	1 1/2"	STL	P							00		FIELD PREP & PAINT
145B	OH	10'-0"	10'-0"	1 1/2"	STL	P							00		FIELD PREP & PAINT
145C	N	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				04		
145D	N	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				04		
150A	N	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				03		
150B	N	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				03		
150C	N	3'-0"	7'-0"	1 3/4"	IHM	P	1	IHM	P				20		
150V	N	3'-0"	7'-0"	1 3/4"	IHM	P	1	IHM	P				08		
151	F	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				03A		
152	F	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				13		
153A	OH	6'-0"	8'-0"	1 1/2"	STL	P							00		FIELD PREP & PAINT
153B	F	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				04		
160	N	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				05		
168	F	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				17		
170	N	3'-0"	7'-0"	1 3/4"	IHM	P	1	IHM	P				21		
171A	N	3'-6"	7'-0"	1 3/4"	IHM	P	1	IHM	P				08		
171B	G	3'-0"	7'-0"	1 3/4"	HM	P	5	HM	P				11B		
172	N	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				21		
173	F	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				14A		
174	F	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				14A		
175T	F	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				14		
176	F	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				14		
177A	F	6'-0"	7'-0"	1 3/4"	IHM	P	2	IHM	P				09		
177B	F	3'-0"	7'-0"	1 3/4"	IHM	P	1	IHM	P				03A		
180.1A	F	3'-0"	7'-0"	1 3/4"	IHM	P	1	IHM	P				13		
180.1B	F	3'-0"	7'-0"	1 3/4"	IHM	P	1	IHM	P				13		
180A	N	3'-6"	7'-0"	1 3/4"	IHM	P	1	IHM	P				21W		
180B	N	3'-0"	7'-0"	1 3/4"	IHM	P	1	IHM	P				13		
182A	G	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				21		
182B	G	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				21		
184	N	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				11B		
185.1A	F	3'-0"	7'-0"	1 3/4"	IHM	P	1	IHM	P				24		
185.1B	F	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P			60 MIN	23		
185A	N	3'-0"	7'-0"	1 3/4"	IHM	P	1	IHM	P				08		
185B	N	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P			60 MIN	22		
185C	N	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P			60 MIN	22		
186	N	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				11B		
187	F	3'-0"	7'-0"	1 3/4"	IHM	P	1	IHM	P				11B		
188A	N	3'-0"	7'-0"	1 3/4"	IHM	P	1	IHM	P				08		
188B	F	6'-0"	7'-0"	1 3/4"	HM	P	2	HM	P				09		
190A	OHL	14'-0"	14'-0"	2"	STL	P							00		FIELD PREP & PAINT
190B	OHL	14'-0"	14'-0"	2"	STL	P							00		FIELD PREP & PAINT
190C	OHL	14'-0"	14'-0"	2"	STL	P							00		FIELD PREP & PAINT
190D	OHL	14'-0"	14'-0"	2"	STL	P							00		FIELD PREP & PAINT
190E	OHL	14'-0"	14'-0"	2"	STL	P							00		FIELD PREP & PAINT
190F	N	3'-0"	7'-0"	1 3/4"	IHM	P	1	IHM	P				08		
190SA	N	3'-0"	7'-0"	1 3/4"	IHM	P	1	IHM	P				01		
190SB	N	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P			60 MIN	07		
191	N	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P				15		
193	N	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P			60 MIN	11A		

DOOR NO.	PANEL							FRAME					FIRE RATING	HARDWARE	COMMENTS
	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	JAMB	HEAD				
195	N	6'-0"	7'-0"	1 3/4"	HM	P	2	HM	P					25A	
195.1	F	6'-0"	7'-0"	1 3/4"	HM	P	2	HM	P					25	
199.1	F	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P					11B	
199A	F	3'-0"	7'-0"	1 3/4"	IHM	P	1	IHM	P					08	
199B	N	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P					11C	
202.1	F	6'-0"	7'-0"	1 3/4"	WD	FF	2	HM	P					25A	
202A	G	3'-0"	7'-0"	1 3/4"	WD	FF	5	HM	P					26	
202B	G	3'-0"	7'-0"	1 3/4"	WD	FF	5	HM	P			20 MIN		03A	
210	G	3'-0"	7'-0"	1 3/4"	WD	FF	5	HM	P			20 MIN		03A	
211T	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P					14	
213T	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P					14	
221.1	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P					03B	
221.2	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P					06	
222	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P					03A	
223	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P					13	
231	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P					14	
232T	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P					14	
233	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P					14	
234	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P					03	
235	F	3'-0"	7'-0"	1 3/4"	WD	FF	1	HM	P					14	
285S	F	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P			60 MIN		07	
286A	F	3'-6"	7'-0"	1 3/4"	HM	P	1	HM	P			60 MIN		10	
286B	F	3'-6"	7'-0"	1 3/4"	HM	P	1	HM	P					11W	
287	F	6'-0"	7'-0"	1 3/4"	IHM	P	2	IHM	P					28	
288A	F	3'-0"	4'-6"	2"	IHM	P	1	IHM	P					27	
288B	F	3'-0"	4'-6"	2"	IHM	P	1	IHM	P					27	
288C	F	3'-0"	4'-6"	2"	HM	P	1	HM	P					27	
290SA	N	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P			60 MIN		22A	
290SB	F	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P			60 MIN		10	
388A	D	3'-0"	7'-0"	2"	IHM	P	1	IHM	P					27	
388B	F	3'-0"	4'-6"	2"	IHM	P	1	IHM	P					27	
390SA	F	3'-0"	4'-6"	1 3/4"	IHM	P	1	IHM	P					27A	
390SB	F	3'-0"	7'-0"	1 3/4"	HM	P	1	HM	P			60 MIN		10	

## DOOR TYPES

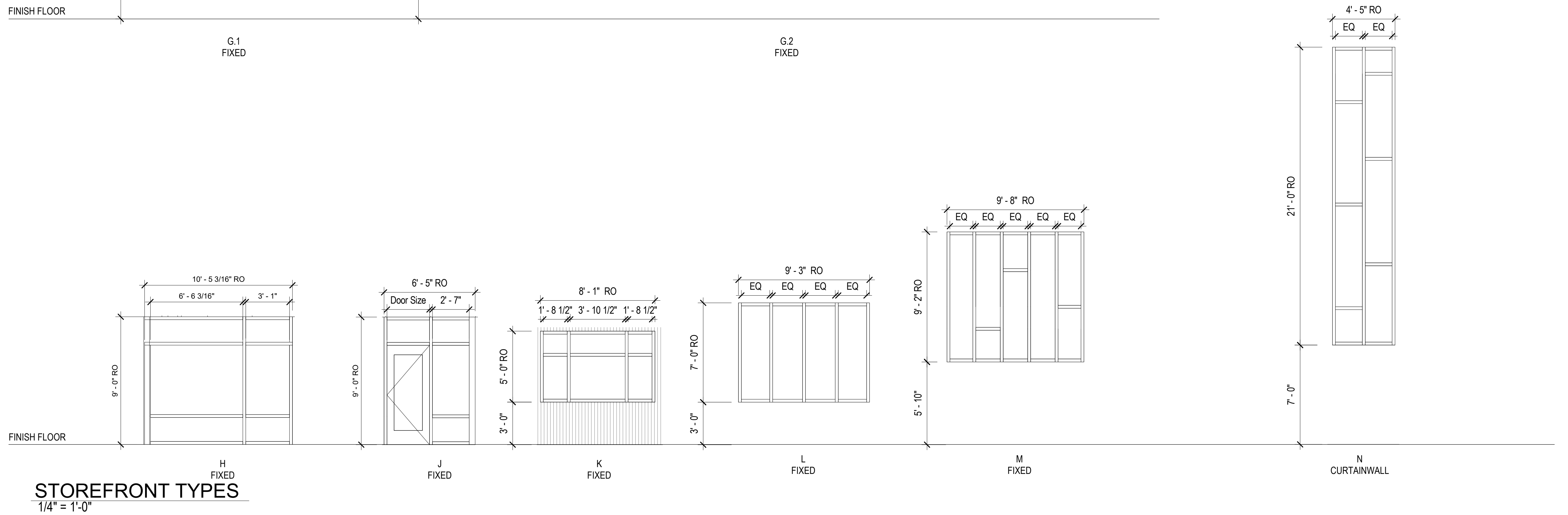
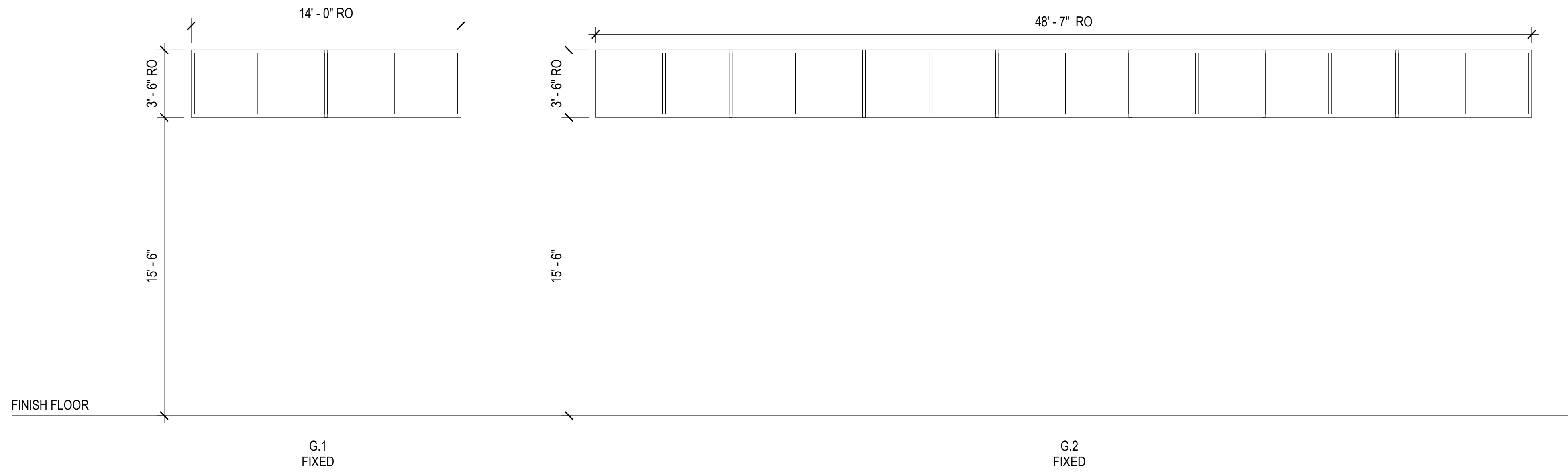
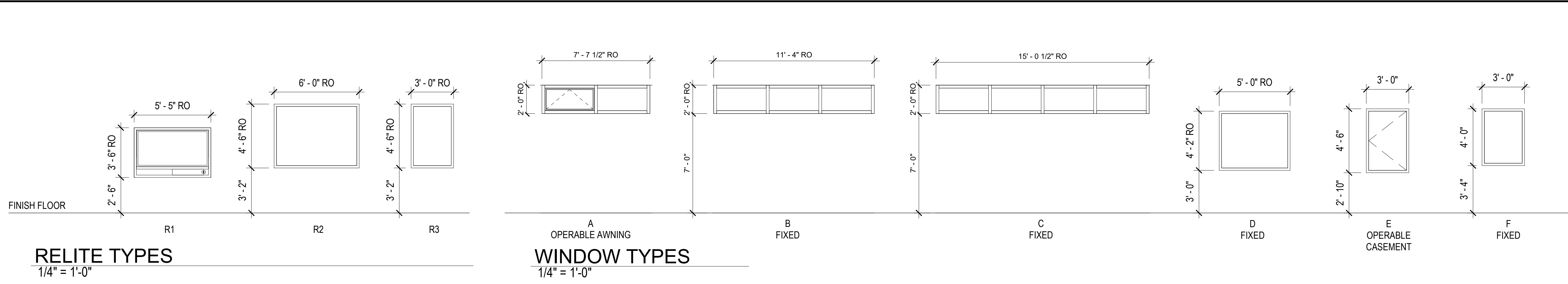


## FRAME TYPES



IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

8/24/2022 7:07:38 AM BIM 360://20-130 Haines Public Safety Facility/20-130 HPSF-A-model.rvt



CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: JN  
CHECKED BY: RR

REVISION	DESCRIPTION	DATE

WINDOW TYPES

**A902**

BETTISWORTH NORTH ARCHITECTS & PLANNERS

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

**FINISH SCHEDULE - FIRST FLOOR**

NUMBER	ROOM NAME	FLOOR		BASE		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		WAINSCOT		CASEWORK		CEILING		ACCESSORY GROUP	REMARKS
		SUBSTRATE	FINISH	FINISH	HEIGHT	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	HEIGHT	STORAGE	COUNTER	MATERIAL	FINISH		
100	LOBBY	CONC	WM-1	RB-1	4"	ALUM   GL   GYP	FF   P-1	GYP	P-1	GYP	P-1	GYP	P-5	-	-	-	-	GYP	P-1		
100S	STAIR 1	CONC	WM-1	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	OPEN	-		
100V	VEST.	CONC	WM-1	RB-1	4"	ALUM   GL	FF	ALUM   GL   GYP	FF   P-1	ALUM   GL	FF	LMC-1	FF	-	-	-	-	LMC-1	FF		
102	ELEV.	CONC	WM-1	RB-1	4"	FF	PL-3	FF	PL-3	FF	PL-3	FF	PL-3	-	-	-	-	FF	FF		
110	HALL	CONC	LVT-1	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	ACT-2	FF		
111T	TLT.	CONC	SV-1B	ICB	6"	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	HIP-1	54"	-	-	MRGYP	P-1	4	
112	DISPATCH	CONC	CPT-1	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-5	GYP	P-1	-	-	PL-1	SLDS-3	ACT-1	FF	2	
112.1	DISPATCH OFFICE	CONC	CPT-1	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-5	GYP	P-1	-	-	-	-	ACT-1	FF		
112C	SERVER	CONC	SDT-1	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	ACT-2	FF		
112T	TLT.	CONC	SV-1B	ICB	6"	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	HIP-1	54"	-	-	MRGYP	P-1	4	
113T	TLT.	CONC	SV-1B	ICB	6"	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	HIP-1	54"	-	-	MRGYP	P-1	4	
115	STORAGE	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	PL-1	SLDS-3	GYP	FF		
115.1	LAUN.	CONC	SV-2	ICB	6"	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	HIP-2	54"	PL-1	SLDS-3	MRGYP	P-1	3	
120	HALL	CONC	LVT-1	RB-1	4"	GYP   MRGYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	ACT-2	FF		
120J	JAN.	CONC	SV-2	ICB	6"	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	HIP-2	54"	-	-	MRGYP	P-1	1	
122	EOC	CONC	CPT-1	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-5	GYP	P-1	-	-	PL-1	SLDS-3	ACT-1	FF	2	
122.1	EOC STOR.	CONC	CPT-1	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	HIP-1	52"	-	-	ACT-2	FF		
124	SM. CONF.	CONC	CPT-1	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-5	-	-	-	-	ACT-1	FF		
125	NON CONTACT VISIT	CONC	EF-1	ICB	6"	MP	P-4	MP	P-4	MP	P-4	MP	P-4	-	-	-	-	LMC-3	FF		
130	HALL	CONC	LVT-1	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	ACT-2	FF		
131	BREAK	CONC	LVT	RB-1	4"	-	-	GYP	P-1	GYP	P-1	GYP	P-1	-	-	PL-2	SLDS-3	ACT-2	FF	2	
132	SQUAD RM.	CONC	CPT-1	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-5	-	-	PL-1	SLDS-3	ACT-1	FF		
132.1	SRG. OFF	CONC	CPT-1	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-5	-	-	-	-	ACT-1	FF		
134	CHIEF OFF	CONC	CPT-1	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-5	GYP	P-1	-	-	-	-	ACT-1	FF		
140	HALL	CONC	LVT-1	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	ACT-2	FF		
141T	SHWR/ TLT	CONC	SV-1A	ICB	6"	MRGYP	P-1   SLDS	MRGYP	P-1	MRGYP	P-1   SLDS	MRGYP	P-1   SLDS	HIP-1	54"	-	-	MRGYP	FF	5	
142T	SHWR/ TLT	CONC	SV-1A	ICB	6"	MRGYP	P-1   SLDS	MRGYP	P-1   SLDS	MRGYP	P-1	MRGYP	P-1   SLDS	HIP-1	54"	-	-	MRGYP	FF	5	
143	EVIDENCE PROCESSING	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	GYP	P-1	2	
143.1	EVID. STOR.	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	GYP	P-1		
144	LOCKERS	CONC	LVT-1	RB-1	4"	GYP	P-1	-	-	GYP	P-1	GYP	P-1	-	-	-	-	ACT-2	FF	6	
145	INTAKE AND VEHICLE BAY	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	GYP	FF	1	
150	SECURE HALL	CONC	SV-2	ICB	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	HIP-2	54"	-	-	ACT-2	FF		
150V	PD VEST.	CONC	WM-1	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	HIP-2	52"	-	-	GYP	P-1		
151	PD SECURE STOR	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	PL-1	SLDS-3	GYP	P-1		
152	INTERVIEW	CONC	SV-2	ICB	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	ACT-1	FF		
153	PD EQUIP. STOR.	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	HIP-2	54"	-	-	GYP	P-1		
160	INTAKE PROCESSING	CONC	EF-1	ICB	6"	GYP   MP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	WG-1	54"	PL-1	SLDS-3	GYP	P-1		
162	DAY RM 1	CONC	EF-1	ICB	6"	MP	P-4	MP	P-4	MP	P-4	MP	P-4	-	-	-	-	LMC-3	FF		
162.1	HOLD CELL 1	CONC	EF-1	ICB	6"	MP	P-4	MP	P-4	MP	P-4	MP	P-4	-	-	-	-	LMC-3	FF	7	
162.2	HOLD CELL 2	CONC	EF-1	ICB	6"	MP	P-4	MP	P-4	MP	P-4	MP	P-4	-	-	-	-	LMC-3	FF	7	
164	NON CONTACT VISIT	CONC	EF-1	ICB	6"	MP	P-4	MP	P-4	MP	P-4	MP	P-4	-	-	-	-	LMC-3	FF		
166	DAY RM 2	CONC	EF-1	ICB	6"	MP	P-4	MP	P-4	MP	P-4	MP	P-4	-	-	-	-	LMC-3	FF		
166.1	HOLD CELL 3	CONC	EF-1	ICB	6"	MP	P-4	MP	P-4	MP	P-4	MP	P-4	-	-	-	-	LMC-3	FF	7	
166T	SEARCH SHWR	CONC	EF-1	ICB	6"	MP	P-4	MP	P-4	MP	P-4	MP	P-4	-	-	-	-	LMC-3	FF	7	
168	SOFT HOLD	CONC	EF-1	ICB	6"	GYP	VWC-1	GYP	VWC-1	GYP	VWC-1	GYP	VWC-1	-	-	-	-	GYP	P-1	7	
170	HALL	CONC	SV-2	ICB	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	HIP-2	54"	-	-	ACT-2	FF		
171	STORAGE	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	HIP-2	52"	-	-	OTS	P-1		
172	LOCKERS	CONC	SV-1A	ICB	6"	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	-	-	-	-	ACT-2	FF		
173	SHOWER	CONC	SV-1A	ICB	6"	MRGYP	P-1   SLDS	MRGYP	P-1	MRGYP	P-1   SLDS	MRGYP	SLDS	HIP-1	54"	-	-	MRGYP	P-1		
174	SHOWER	CONC	SV-1A	ICB	6"	MRGYP	P-1   SLDS	MRGYP	P-1	MRGYP	P-1   SLDS	MRGYP	SLDS	HIP-1	54"	-	-	MRGYP	P-1		
175T	SHOWER TLT	CONC	SV-1A	ICB	6"	MRGYP	P-1   SLDS	MRGYP	P-1	MRGYP	P-1   SLDS	MRGYP	P-1   SLDS	HIP-1	54"	-	-	MRGYP	P-1		
176	SHOWER	CONC	SV-1A	ICB	6"	MRGYP	P-1   SLDS	MRGYP	P-1	MRGYP	P-1   SLDS	MRGYP	SLDS	HIP-1	54"	-	-	MRGYP	P-1		
177	MORGUE	CONC	CONC-1	RB-2	6"	MRGYP	HIP-2	MRGYP	HIP-2	MRGYP	HIP-2	MRGYP	HIP-2	-	-	EXIST P   P	SLDS-3	MRGYP	P-1	2	1
180	DECON	CONC	CONC-1	RB-2	6"	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	HIP-2	54"	-	-	MRGYP	P-1		
180.1	DRY CLOSET	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	GYP	P-1		
182	BUNKER TURNOUT GEAR	CONC	CONC-1	RB-2	6"	ARGYP	P-1	ARGYP	P-1	ARGYP	P-1	ARGYP	P-1	-	-	-	-	OTS	P-1		
184	STORAGE	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	GYP	P-1		
185.1	ELECTRICAL ROOM	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	OTS	P-1		
185S	STAIR 3	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	HIP-2	54"	-	-	GYP   OPEN	P-1		
186	RADIO/ BAT STOR.	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	PL-1	SLDS-3	GYP	P-1		
187	EMS STOR.	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	GYP	P-1		
188	HOSE TRAINING TOWER	CONC	CONC-1	RB-2	6"	ARGYP	P-1	ARGYP	P-1	ARGYP	P-1	ARGYP	P-1	-	-	-	-	OTS	P-1		
190	APPARATUS BAYS	CONC	CONC-1	RB-2	6"	ARGYP	P-1	ARGYP	P-1	ARGYP	P-1	ARGYP	P-1	WG-1	54"	-	-	OTS	P-1	2	
190S	STAIR 2	CONC	CONC-1	RB-2	6"	ARGYP	P-1	ARGYP	P-1	ARGYP	P-1	ARGYP	P-1	-	-	-	-	OPEN	-		
191	SEARCH AND RESCUE	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	OTS	P-1		
193	02 TANK STORAGE	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	OTS	P-1		
195	SCBA WORK	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	OTS	P-1		
195.1	SCBA COMP.	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	OTS	P-1		
197	SHOP	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	OTS	P-1		
199	EXT. STOR.	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	OTS	P-1		

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**BETTISWORTH  
NORTH**

CORPORATE NO. AEC219 BETTISWORTH.COM

**HAINES BOROUGH  
HAINES COMMUNITY SAFETY AND  
TRAINING CENTER  
HAINES, ALASKA**

65% PRICING SET

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: CC  
CHECKED BY: AK

REVISION	DESCRIPTION	DATE

FINISH SCHEDULE  
**A911**

BETTISWORTH NORTH ARCHITECTS & PLANNERS

NOT FOR CONSTRUCTION



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## FINISH SCHEDULE - SECOND FLOOR

NUMBER	ROOM NAME	FLOOR		BASE		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		WAINSCOT		CASEWORK		CEILING		ACCESSORY GROUP	REMARKS
		SUBSTRATE	FINISH	FINISH	HEIGHT	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	HEIGHT	STORAGE	COUNTER	MATERIAL	FINISH		
200	LOBBY	CONC	LVT-2	RB-1	4"	GYP   ALUM   GLS	P-1   P-5   FF	-	-	GYP	P-1   P-5	GYP	P-5	-	-	-	-	LMC-1   GYP	FF   P-1		
200S	STAIR 1	CONC	WM-1	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	LMC-1   GYP	FF   P-1		
202	TRAINING	CONC	CPT-2	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-6	-	-	PL-2   PL-3	SLDS-3	ACT-1	FF	2	
202.1	STORAGE	CONC	SV-2	ICB	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	ACT-2	FF		
210	HALL	CONC	LVT-2	RB-1	4"	-	-	GYP	P-1	GYP	P-1	GYP	P-5   P-6	-	-	-	-	ACT-2	FF		2
211T	TLT.	CONC	SV-1B	ICB	6"	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	HIP-1	54"	-	-	MRGYP	P-1	4	
213T	TLT.	CONC	SV-1B	ICB	6"	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	HIP-1	54"	-	-	MRGYP	P-1	4	
220	HALL	CONC	LVT-2	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	ACT-2	FF		
221	COPY	CONC	LVT-2	RB-1	4"	-	-	GYP	P-1	GYP	P-1	GYP	P-1	-	-	PL-2	SLDS-3	ACT-2	FF		
221.1	SHARED OFFICE	CONC	CPT-2	RB-1	4"	GYP	P-6	GYP	P-1	GYP	P-1	GYP	P-1   P-6	-	-	-	-	ACT-1	FF		
221.2	CHIEF	CONC	CPT-2	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-6	GYP	P-1	-	-	-	-	ACT-1	FF		
222	RECORD	CONC	SV-2	ICB	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	ACT-2	FF		
223	LAUN.	CONC	SV-2	ICB	6"	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	HIP-2	54"	PL-1	SLDS-3	MRGYP	P-1	3	
224	KITCHEN	CONC	LVT-2	RB-1	4"	GYP   CBU	P-1   GT-1	-	-	GYP	P-1	GYP   CBU	P-1   GT-1	-	-	PL-2	SLDS-3	ACT-1   GYP	FF   P-1	2	
226	DAY ROOM	CONC	CPT-2	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	SLDS-3	ACT-1	FF		3
230	HALL	CONC	LVT-2	RB-1	4"	-	-	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	ACT-2	FF		
231	SLEEP	CONC	CPT-2	RB-1	4"	GYP	P-6	GYP	P-1	GYP	P-1	GYP	P-1	-	-	PL-1	-	GYP	P-1		
232T	TLT. SHW	CONC	SV-1A	ICB	6"	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	MRGYP	P-1	HIP-1	54"	-	-	MRGYP	P-1	5	
233	SLEEP	CONC	CPT-2	RB-1	4"	GYP	P-6	GYP	P-1	GYP	P-1	GYP	P-1	-	-	PL-1	-	GYP	P-1		
234	TELECOM/ DATA	CONC	SDT-1	RB-1	4"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	GYP	P-1		
235	SLEEP	CONC	CPT-2	RB-1	4"	GYP	P-6	GYP	P-1	GYP	P-1	GYP	P-1	-	-	PL-1	-	GYP	P-1		
285S	STAIR 3	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	OTS	P-1		
286	BOILER	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	OTS	P-1		
287	FAN	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	OTS	P-1		
288	HOSE TRAINING TOWER	CONC	CONC-1	RB-2	6"	ARGYP	P-1	ARGYP	P-1	ARGYP	P-1	ARGYP	P-1	-	-	-	-	OTS	P-1		
290S	STAIR 2	CONC	CONC-1	RB-2	6"	GYP	P-1	GYP	P-1	GYP	P-1	GYP	P-1	-	-	-	-	OTS	P-1		

**BETTISWORTH  
NORTH**

CORPORATE NO. AEC219 BETTISWORTH.COM

**HAINES BOROUGH  
HAINES COMMUNITY SAFETY AND  
TRAINING CENTER  
HAINES, ALASKA**

65% PRICING SET

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: CC  
CHECKED BY: AK

REVISION	DESCRIPTION	DATE

FINISH SCHEDULE

**A912**

NOT FOR CONSTRUCTION

BETTISWORTH NORTH ARCHITECTS & PLANNERS

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# FINISH LEGEND

**FLOORING**  
**WALK-OFF MAT**  
 WM-1 MILLIKEN | OBEX TILE | CUT/ THREAD | 50 CM x 50 CM | 0.50" THICK | GREY  
 TUFTED, CUT PILE | NYLON & MONOFILAMENT | 28 OZ/ YD<sup>2</sup> | WELLBAC COMFORT PLUS  
 INSTALLATION: ASHLAR

**CARPET TILE**  
 CPT-1 FIRST FLOOR | PATCRAFT | STATES OF WATER | GLACIAL ICE 10577 | 24" x 24" | LAGUNA 00450  
 MULT-LEVEL PATTERNED LOOP | NYLON | 20 OZ/ YD<sup>2</sup> | ECO-WORX  
 INSTALLATION: ASHLAR  
 CPT-2 SECOND FLOOR | MATCH CPT-1 | INSTALLATION: ASHLAR  
 UNDERLAYMENT | SHAW CONTRACT | CUSHIONWORX | 76"W x 150FT ROLL x 0.125" THICK |  
 4 LB/ CU FT DENSITY

**RESILIENT SHEET FLOORING**  
 HEAT WELDED SEAMS FOR SHEET VINYL, EXCEPT FOR SV-1 WHICH REQUIRES A WELD ROD  
 INTEGRALLY COVED BASE WHERE INDICATED. 6" HIGH WITH ALUMINUM CAP UNO  
 SV-1A SHOWER ROOMS & LOCKER ROOMS | ALTRO | AQUARIUS | 79" WIDE | 0.080" THICK | TERN  
 SV-1B RESTROOMS (WITHOUT SHOWER) | ALTRO | WALKWAY 20 | XX" WIDE | 0.080" THICK | NICKEL  
 SV-2 HALLWAYS & UTILITY SPACES | MANNINGTON | ENTWINED COLLECTION | LINO | 9" WIDE |  
 0.80" THICK | HULL

**COMPOSITION TILE**  
 PROVIDE FINAL CLEAN AND FINISH COATS AS RECOMMENDED BY MFR  
 SDT-1 ARMSTRONG | EXCELRON | 12" x 12" | 1/8" THICK | OCEAN AIR

**LUXURY VINYL PLANK/TILE**  
 REFER TO FINISH PLAN FOR INSTALLATION PATTERN/DIRECTION  
 LVT-1 FIRST FLOOR | SHAW CONTRACT | TERRAIN II 20 MIL | 6" x 48" | 2.5 MM THICK | ROOT 00568  
 LVT-2 SECOND FLOOR | MATCH LVT-1  
 UNDERLAYMENT | SHAW INC | HUSH II | 42"W x 80FT ROLL x 0.125" THICK

**EPOXY FLOORING**  
 EF-1 DUR-A-FLEX | HYBRI-FLEX EQ | VERY LIGHT ORANGE PEEL | AGGREGATE Q28 | COLOR 21

**CONCRETE FINISHES**  
 CONC-1 TOPICAL SEALER/HARDENER | WR MEADOWS LIQUI-HARD | CLEAR | SATIN

**BASE & STAIR ACCESSORIES**  
**RESILIENT BASE**  
 RB-1 COVED TOE | 4" | TARKETT | TYPE TS | GREY 48  
 RB-2 COVED TOE | 6" | TARKETT | TYPE TS | BURNT UMBER 63

SEE FLOORING FOR FLASH-COVED RESILIENT SHEET

**RESILIENT FLOORING TRANSITIONS & ACCESSORIES**  
 SIZED AS REQUIRED FOR MATERIALS TRANSITIONED  
 RFT-1 WHEELED TRAFFIC TRANSITION | MFR | TYPE XX | MODEL | COLOR  
 RFT-2 REDUCER | MFR | TYPE XX | MODEL | COLOR  
 RFT-3 LANDING TRIM | MFR | TYPE XX | MODEL | COLOR

**METAL TRANSITIONS & ACCESSORIES**  
 SIZED AS REQUIRED FOR MATERIALS TRANSITIONED  
 MITERED CORNERS ARE NOT ACCEPTABLE AT BULL NOSE AND SQUARE CORNER TRIMS; PROVIDE METAL  
 CORNERS FOR BULL NOSE AND SQUARE CORNER TRIMS UNO  
 MT-1 COVE CAP | ALUMINUM | CLEAR ANODIZED | SATIN  
 MT-2 TILE EDGE | FUTURA | PROFILE TBD | ALUMINUM | CLEAR ANODIZED | SATIN  
 MT-3 ABRASIVE STAIR NOSING | EXTRUDED ALUMINUM |  
 SET TO BE FLUSH WITH WM-1 TREAD FINISH  
 MT-4 ABRASIVE STAIR NOSING | EXTRUDED ALUMINUM |  
 SET TO BE FLUSH WITH CONC-1 TREAD FINISH

**WALLS**  
**PAINT SYSTEMS AS SPECIFIED**  
**PAINT COLORS**  
 P-1 GENERAL WHITE | SHERWIN WILLIAMS | SW6252 | ICE CUBE  
 P-2 INTERIOR HM DOORS/ FRAMES | SHERWIN WILLIAMS | SW7019 | GAUNTLET GREY  
 P-3 EXTERIOR HM DOORS/ FRAMES | SHERWIN WILLIAMS | SW6258 | TRICORN BLACK  
 P-4 MISC METALS | SHERWIN WILLIAMS | SW7017 | DORIAN GRAY  
 P-5 ACCENT | SHERWIN WILLIAMS | SW9052 | BLITHE BLUE  
 P-6 ACCENT | SHERWIN WILLIAMS | SW7612 | MOUNTAIN STREAM

**WALL COVERING (RIGID, HIGH-IMPACT PLASTIC PANELS)**  
 MATCHING TRIM TOP CAP AND INSIDE CORNERS | CORNER GUARDS AT OUTSIDE CORNERS  
 HIP-1 INPRO RIGID SHEET | 0.060" | SERENITY 0166 | STANDARD TEXTURE  
 OMIT TRIM AT IN-PLANE VERTICAL JOINTS; PROVIDE COLOR-MATCHED SEALANT  
 HIP-2 INPRO RIGID SHEET | 0.060" | SHARKSKIN 0350 | STANDARD TEXTURE  
 OMIT TRIM AT IN-PLANE VERTICAL JOINTS; PROVIDE COLOR-MATCHED SEALANT

**WALL PROTECTION**  
 CG-1 CORNER GUARD | SURFACE-MOUNT | INPRO | 48" TALL | 2" WING | 16GA TYPE 304 SSSL | NO 4  
 BRUSHED FINISH | SECURE WITH COUNTERSUNK TAMPER-RESISTANT MECHANICAL  
 FASTENERS IN  
 PRE-DRILLED HOLES  
 WG-1 DIAMOND PLATE WALL PROTECTION | INPRO CORP | XX GAUGE ALUMINUM | BRITE FINISH  
 PROVIDE TRIMS AND FASTENERS AS SPECIFIED  
 VWC VINYL WALL COVERING | INPRO | RICOCHET CONVERGE | 0.33" THICK | 48"W NOMINAL |  
 15 YD ROLL | SILVER FOG R508

**ACOUSTICAL TREATMENTS**  
 AWP-1 ACOUSTICAL WALL PANEL | CARNEGIE | XOREL ARTFORM | WAVELINE 3D QUIET CORE PLUS |  
 12"W x 12"H | NRC: 0.80 | INSTALLATION METHOD: QUICK GRAB ADHESIVE |  
 FABRIC: FRACTAL EMBOS 753

**WALL TILE**  
 GT-1 GLASS TILE | CROSSVILLE | CONVERGENCE | 4" X 4" MESH-MOUNTED MOSAIC | 6MM THICK |  
 COLOR: INDIGO  
 GROUT | HIGH PERFORMANCE POLYMER-MODIFIED | COLOR TBD

SEE **MILLWORK & CASEWORK** FOR SOLID SURFACE WALL CLADDING AND WOOD HANDRAILS

**CEILING**  
**SUSPENSION SYSTEMS FOR ACOUSTIC CEILING TILE**  
 GRID-1 USG | 15/16" DONN DXL HEAVY-DUTY EXPOSED TEE | WHITE

**ACOUSTICAL CEILING TILES**  
 ACT-1 24 x 48 | TYPICAL  
 USG | 88185 MARS | SQUARE LAY-IN | WHITE  
 NRC MIN 0.75 | CAC MIN 35 | LRV MIN 0.80 | CLASS A  
 24 x 48 | MISC.  
 ACT-2 USG | 4411 OLYMPIA MICRO | SQUARE LAY-IN | WHITE  
 NRC MIN 0.60 | CAC MIN 30 | LRV MIN 0.85 | CLASS A

**LINEAR METAL CEILING**  
 LMC-1 INTERIOR | USG | PLANX | SLOTTED GRID | 8" W | PERFORATION: SD07 10% OPEN  
 ACOUSTIBOND SCRIM REVEAL CLOSURE | ULTRASORB BACKING | NRC: MIN 0.70  
 SARANTE FINISH | S31 GOLDEN OAK  
 LMC-2 NOT USED  
 LMC-3 FLUSH METAL PANEL CEILING | DETENTION-TYPE | GORDON | CEL-LINE TAMPER-PROOF  
 SECURITY CEILING | 16 GAUGE GALVANIZED STEEL | 12" W | NRC: MIN 0.80 | WHITE

**CASEWORK, MILLWORK & DOORS**  
**SOLID SURFACE**  
 SLDS-1 WINDOWSILLS | POLYMER | CORIAN | GLACIER WHITE  
 SLDS-2 SHOWER WALLS | INPRO | BIOPRISM | COLOR: ARCTIC SNOW (A1) P9780  
 SLDS-2A SHOWER RECEPTOR | INPRO | BIOPRISM | 60" x 30" | ROLL-IN SHOWER BASE |  
 CENTER DRAIN | COLOR: ARCTIC SNOW (A1) P9780  
 SLDS-3 POLYMER | HI-MACS | M430 LAGO

**PLASTIC LAMINATE**  
 PL-1 FIRST FLOOR | WILSONART | VERANDA TEAK | 28 GLOSS LINE FINISH | AEON  
 PL-2 SECOND FLOOR | WILSONART | HEIRLOOM SILVER | 60 MATTE FINISH  
 PL-3 ELEVATOR CAB INTERIOR | WILSONART | KENSINGTON MAPLE | 60 MATTE FINISH

**INTERIOR DOORS**  
 WD-1 CLEAR WHITE BIRCH | BALANCED BOOK MATCHED | STAIN GRADE | CLEAR SATIN FINISH  
 P MATCH P-2 AT INTERIOR & P-3 AT EXTERIOR

**EQUIPMENT & ACCESSORIES**  
**ROLLER SHADES**  
 RS-1 SHADE | MANUAL | SWF CONTRACT | ETERNITY E300 | 3% OPENESS | COLOR: EBONY C1509

**HORIZONTAL BLINDS**  
 HB-1 BLINDS | MANUAL | SWF CONTRACT | CLASSICS 1" MINI BLINDS | COLOR: WHITE SATIN 205

**METAL LOCKERS**  
 PROVIDE 6"H ENCLOSED BASE AND SLOPED TOPS UNO  
 PREPARE FOR OWNER-FURNISHED PADLOCKS UNO  
 ML-1 LYON WORKSPACE | DOUBLE-TIER STANDARD METAL LOCKER 3 WIDE | 15" W x 15" D x 78" H | ALL-WELDED |  
 COLOR: DOVE GRAY

**VISUAL DISPLAY SURFACES**  
 MB-1 MARKER BOARD | PORCELAIN ENAMELED STEEL | SLIM-LINE ALUMINUM FRAME | SIZE | LOW GLOSS WHITE  
 TB-1 TACK BOARD | VINYL-IMPREGNATED CORK | SLIM-LINE ALUMINUM FRAME | SIZE | COLOR TBD  
 SB-1 SMART BOARD

**TOILET PARTITIONS & SCREENS**  
 TP-1 URINAL SCREENS | SCRANTON | HINY HIDERS | WALL-MOUNT | MATERIAL: HDPE | COLOR: WHITE

**CUBICLE AND SHOWER CURTAINS**  
 SHC-1 SHOWER CURTAIN RINGS | INPRO CORP | CE100800 | STAINLESS STEEL SLIDE BEAD RING  
 SHC-2 SHOWER CURTAIN | INPRO CORP | 72" x 70" | SUPER BIOSTAT VINYL | NO MESH | NICKEL GROMMETS |  
 COLOR: SEAFOAM

**TOILET ACCESSORIES**  
 PTD-1 SURFACE-MOUNT | BOBRICK | CONTURA SERIES | B-4262 | SSSL | SATIN FINISH  
 WR SURFACE-MOUNT | BOBRICK | CONTURA SERIES | B-277 | SSSL | SATIN FINISH  
 SD SURFACE-MOUNT | MANUAL | TORK | 571501 | WHITE | OFCI  
 MIR-1 24x36 | BOBRICK | WELDED CHANNEL-FRAMED MIRROR | B-165 2436  
 TPD-1 SURFACE-MOUNT | DOUBLE-ROLL | BOBRICK | CONTURA SERIES | B-4288 | SSSL | SATIN FINISH  
 TPD-2 SURFACE-MOUNT | SINGLE-ROLL | KINGSWAY GROUP | KG03 ANTI-LIGATURE TOILET ROLL HOLDER | SSSL  
 TSCD SURFACE-MOUNT | BOBRICK | CONTURA SERIES | B-4221 | SSSL | SATIN FINISH  
 SNR SURFACE-MOUNT | BOBRICK | CONTURA SERIES | B-270 | SSSL | SATIN FINISH  
 GB-1 GRAB BAR - WHEELCHAIR COMPARTMENT | BOBRICK | B-5806 SERIES | SSSL | SATIN FINISH  
 GB-2 GRAB BAR - ROLL-IN SHOWER | BOBRICK | B-5806 SERIES | SSSL | SATIN FINISH  
 GB-3 GRAB BAR - ANTI-LIGATURE | WHITEHALL | WH1109 SERIES | SSSL  
 SHCR SHOWER CURTAIN ROD | BOBRICK | B-4207 SERIES | SSSL | POLISHED FINISH  
 H SINGLE HOOK | BOBRICK | B-670 | SSSL | POLISHED FINISH  
 RH SINGLE ROBE HOOK | BOBRICK | B-671 | SSSL | POLISHED FINISH  
 MR SHELF W/ MOP AND BROOM HOLDERS AND RAG HOOKS | BOBRICK | B-224x36" | SSSL

**ACCESSORY GROUPS**  
 1. JANITOR MR  
 2. HANDWASH PTD-1 | SD  
 3. LAUNDRY PTD-1 | SD | MR  
 4. TOILET ROOM PTD-1 | WR | SD | MIR-1 | TPD-1 | TSCD | SNR | GB-1 | H  
 5. TOILET/ SHOWER ROOM PTD-1 | WR | SD | MIR-1 | TPD-1 | TSCD | SNR | GB-1 | GB-2 | SHCR | H | RH  
 6. METAL LOCKERS ML-1  
 7. DETENTION UNITS TPD-2 | GB-3

**REMARKS**  
 1. UPPER CABINETS FROM EXISTING BUILDING TO BE REINSTALLED IN NEW BUILDING. NEW BASE CABINETS WILL BE  
 PAINTED TO MATCH.  
 2. INTERIOR OF DISPLAY CASE TO BE PAINTED P-6 AS INDICATED ON FINISH PLANS.  
 3. AWP-1 ON EAST AND SOUTH WALLS. SEE ELEVATIONS 6 AND 7 ON SHEET A705 FOR LAYOUT.

## GENERAL FINISH NOTES

- A. PRODUCT MANUFACTURER DESIGNATIONS INDICATE THE BASIS FOR QUALITY, PATTERN AND COLOR SELECTION.
- B. SEE INTERIOR ELEVATIONS FOR LOCATIONS OF ACCENT/ FEATURE WALL FINISHES.
- C. SEE FINISH PLANS, FOR EXTENT AND INSTALLATION PATTERN OF FLOORING AND/OR EXTENT OF ACCENT/ FEATURE FINISHES.
- D. SEE INTERIOR DETAILS FOR FLOOR TRANSITIONS, BASE DETAILS AND CEILING TRANSITIONS.
- E. REFER TO DOOR/ RELITE SCHEDULES FOR LOCATIONS/EXTENT OF DECORATIVE GLAZING FILM (DGF) ON DOORS AND RELITES.
- F. PROVIDE MOISTURE-RESISTANT GYPSUM WALLBOARD (MRGYP) AT WALLS WITHIN 48" OF ALL PLUMBING FIXTURES.
- G. WHERE IRGYP AND/OR ARGYP ARE INDICATED, PROVIDE SPECIAL PURPOSE GYPSUM BOARD TO +48" AFF AND TYPE-X GYPSUM BOARD ABOVE UNO.
- H. PROVIDE A PRIME COAT AT WALLS IN UNEXPOSED AREAS CONCEALED BY CASEWORK, PANELING, WALL COVERINGS, AND OTHER FIXED ARCHITECTURAL ELEMENTS UNO.
- I. EXTEND SCHEDULED WALL FINISHES AT AREAS EXPOSED BEHIND CASEWORK, STORAGE, PANELING, ETC. DUE TO REVEALS, JOINTS, KNEE SPACE, END CONDITIONS, UNO.
- J. FINISH REVEALS AND FILLERS TO MATCH ADJACENT LIKE FEATURE (PAINT, PLASTIC LAMINATE, ETC.)
- K. PROVIDE CORNER GUARDS AT ALL UNPROTECTED OUTSIDE GYP CORNERS UNO.
- L. PROVIDE ALUMINUM J-MOLD TOP CAP AT INTEGRALLY-COVED BASE UNO.
- M. PROVIDE RESILIENT TRANSITION ACCESSORIES AT ALL JOINTS BETWEEN DISSIMILAR FLOOR FINISHES, EXCEPT CARPET-TO-WALK-OFF, UNO.
- N. PROVIDE TROWELABLE CEMENTITIOUS UNDERLAYMENT TO TAPER FLOORING SUBSTRATES FOR ZERO THRESHOLD TRANSITIONS BETWEEN DISSIMILAR FLOOR FINISHES.
- O. REFER TO DOOR SCHEDULE AND HARDWARE GROUPS, AND PROVIDE THRESHOLD HARDWARE IN LIEU OF RESILIENT TRANSITIONS WHERE INDICATED.
- P. PROVIDE HORIZONTAL LOUVERED BLINDS AT ALL INTERIOR RELITE UNO.
- Q. PROVIDE ROLLER SHADES AT ALL EXTERIOR WINDOWS UNO.
- R. PROVIDE SLDS-1 AT ALL EXTERIOR WINDOW SILLS.
- S. WHERE CEILING INDICATED OTS, PAINT EXPOSED METAL DECK, STRUCTURE, DUCTS, CONDUIT, AND WIRE OR UNSTRUCTURE EQUIPMENT SUPPORTS P-1 UNO.
- T. PAINT INTERIOR RAILS, LADDERS AND MISCELLANEOUS METALS P-4 UNO.
- U. PAINT INTERIOR HM DOORS AND FRAMES P-2 UNO.
- V. PROVIDE SEALANT AT ALL EXPOSED JOINTS BETWEEN DISSIMILAR SURFACES AND JOINTS BETWEEN SURFACES IN DIFFERING PLANES, INCLUDING, BUT NOT LIMITED TO, RESILIENT FLOORING AT DOOR FRAMES, BACKSLASHES AT COUNTERS AND WALLS, INTEGRALLY COVED BASE AND WALL PROTECTION.
- X. PROVIDE FULL HEIGHT SOLID SURFACE WALL SURROUNDS AT ALL SHOWER WALLS, INCLUDING DECON.



HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
 HAINES, ALASKA

CONSULTANT:

PROJECT NO: 20-130  
 DATE: 2022-08-25  
 DRAWN BY: CC  
 CHECKED BY: AK

REVISION	DESCRIPTION	DATE

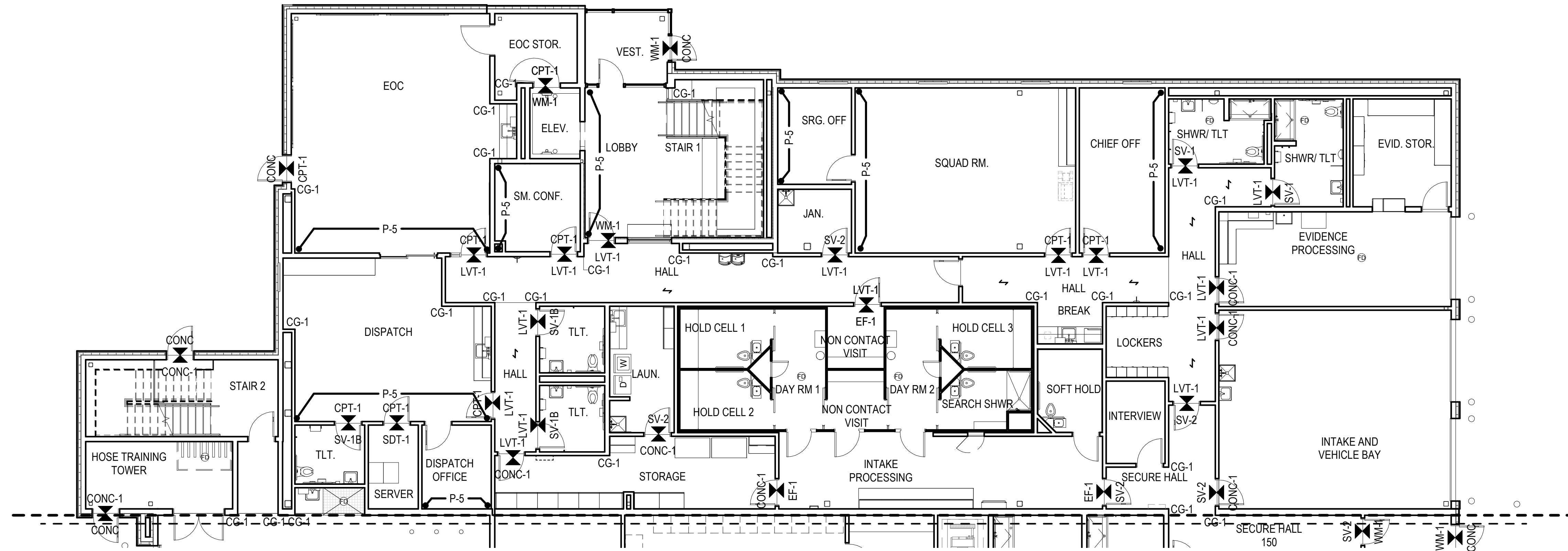
FINISH LEGEND  
**A913**

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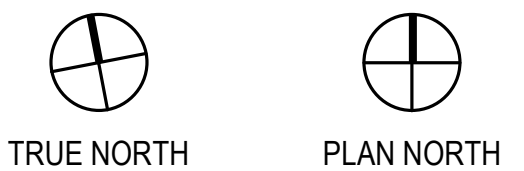
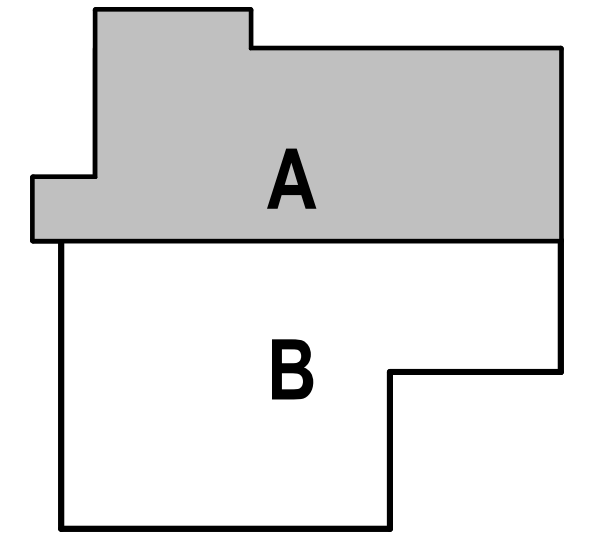
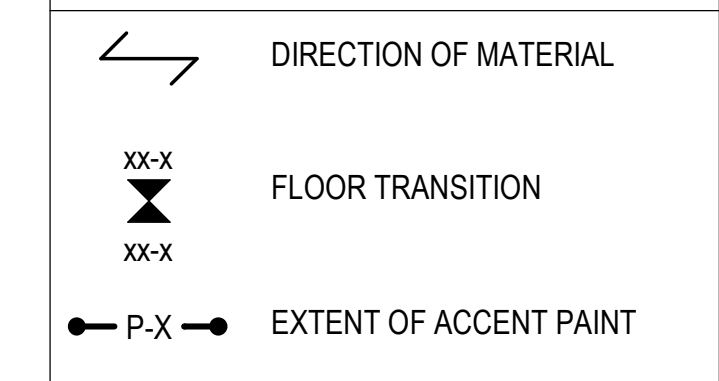
1 FIRST FLOOR - FINISH PLAN - BLOCK A  
A921A 1/8" = 1'-0"



GENERAL FINISH PLAN NOTES

- A. SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR ADDITIONAL FINISH INFORMATION.
- B. DIMENSIONS, TARGETS, ETC. THAT ARE TYPICAL FOR MANY AREAS ARE NOTED ONLY ONCE.
- C. FLOOR MATERIAL HATCHES ARE NOT INDICATIVE OF PATTERN. SEE FINISH LEGEND FOR INSTALLATION METHOD.
- D. PROVIDE A PRIME COAT AT WALLS IN UNEXPOSED AREAS CONCEALED BY CASEWORK, PANELING, WALL COVERINGS, AND OTHER FIXED ARCHITECTURAL ELEMENTS UNO.
- E. EXTEND SCHEDULED WALL FINISHES AT AREAS EXPOSED BEHIND CASEWORK, STORAGE, PANELING, ETC. DUE TO REVEALS, JOINTS, KNEE SPACE, END CONDITIONS UNO.
- F. PROVIDE RESILIENT TRANSITION ACCESSORIES AT ALL JOINTS BETWEEN DISSIMILAR FLOOR FINISHES, EXCEPT CARPET-TO-WALK-OFF UNO.
- G. PROVIDE TROWELABLE CEMENTITIOUS UNDERLAYMENT TO TAPER FLOORING SUBSTRATES FOR ZERO THRESHOLD TRANSITIONS BETWEEN DISSIMILAR FLOOR FINISHES.
- H. REFER TO DOOR SCHEDULE AND HARDWARE GROUPS, AND PROVIDE THRESHOLD HARDWARE IN LIEU OF RESILIENT TRANSITIONS WHERE INDICATED.
- I. SEE INTERIOR DETAILS FOR FLOOR TRANSITIONS, BASE DETAILS AND CEILING TRANSITIONS.
- J. PROVIDE CORNER GUARDS AT ALL UNPROTECTED OUTSIDE GYP CORNERS UNO.
- K. EXTEND SPECIFIED FLOORING UNDER CASEWORK UNO.
- L. FINISHES WITHIN STORAGE CLOSETS SHALL BE CONSISTENT WITH FINISHES IN THE ADJACENT ROOM UNO.
- M. PROVIDE WALL BASE ON ALL WALLS AND COLUMNS UNO.
- N. TYPICAL WALL FINISH: [P-X] UNO.
- O. TYPICAL FLOOR FINISH: [CONC-X] UNO.
- P. TYPICAL BASE FINISH: [RB-X] UNO.

FINISH PLAN LEGEND



HAINES BOROUGH  
HAINES COMMUNITY SAFETY AND  
TRAINING CENTER  
HAINES, ALASKA

65% PRICING SET

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FIRST FLOOR - FINISH PLAN - BLOCK A

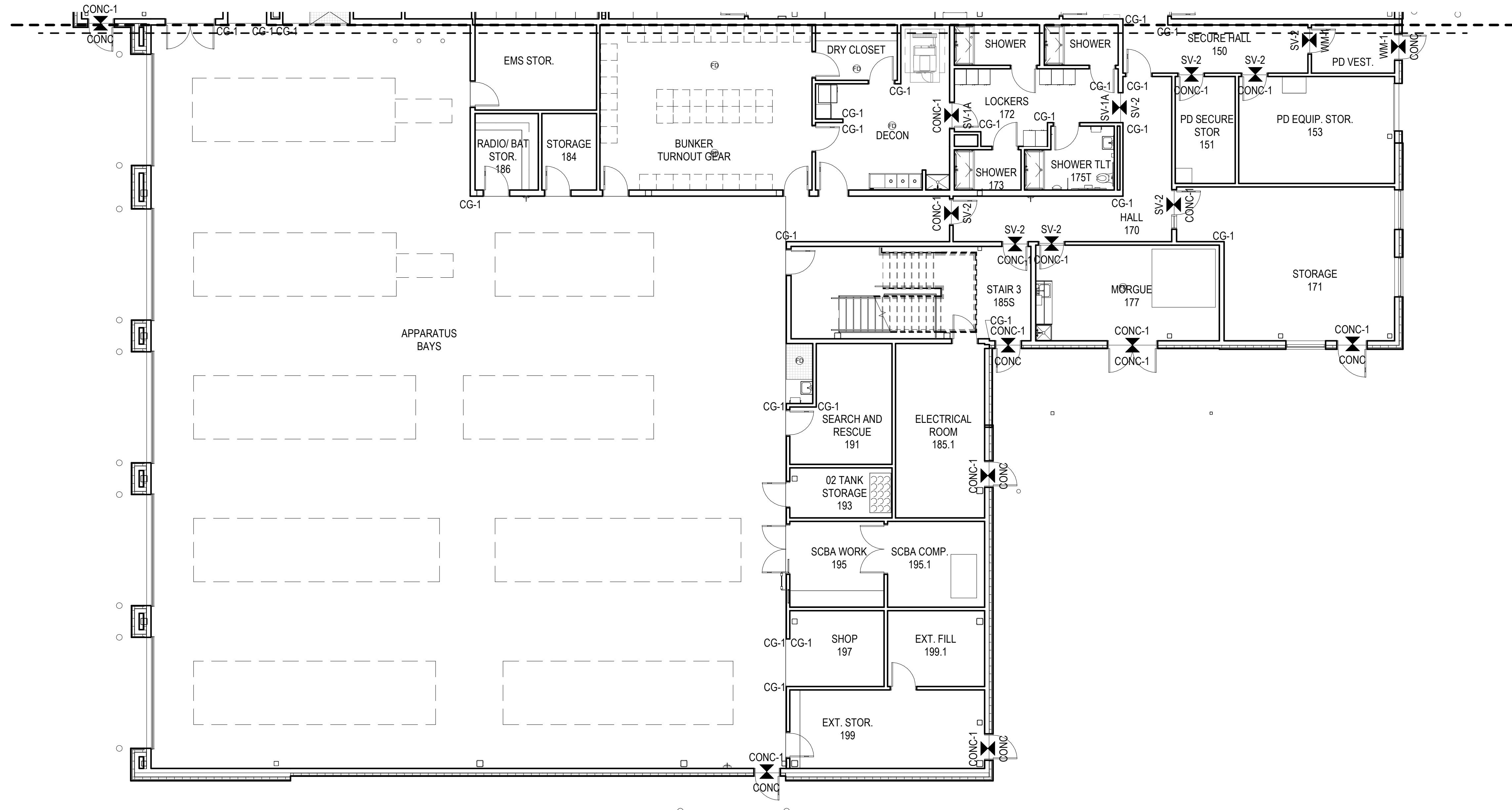
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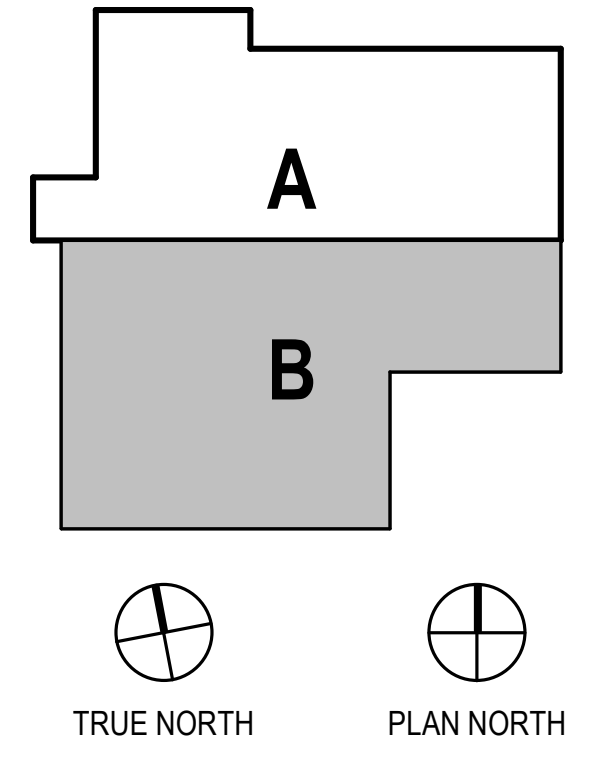
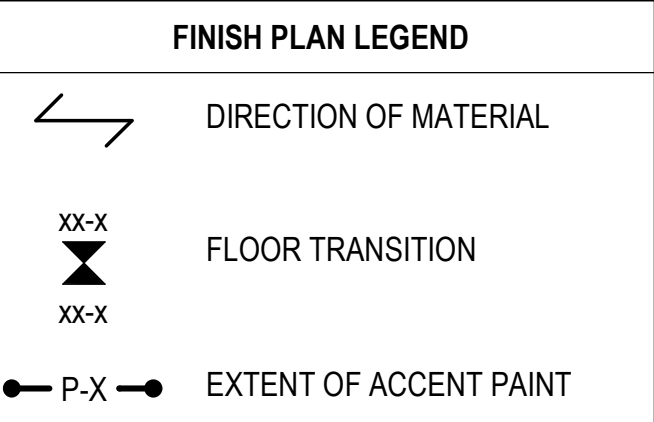
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**1** FIRST FLOOR - FINISH PLAN - BLOCK B  
**A921B** 1/8" = 1'-0"



- GENERAL FINISH PLAN NOTES**
- SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR ADDITIONAL FINISH INFORMATION.
  - DIMENSIONS, TARGETS, ETC. THAT ARE TYPICAL FOR MANY AREAS ARE NOTED ONLY ONCE.
  - FLOOR MATERIAL HATCHES ARE NOT INDICATIVE OF PATTERN. SEE FINISH LEGEND FOR INSTALLATION METHOD.
  - PROVIDE A PRIME COAT AT WALLS IN UNEXPOSED AREAS CONCEALED BY CASEWORK, PANELING, WALL COVERINGS, AND OTHER FIXED ARCHITECTURAL ELEMENTS UNO.
  - EXTEND SCHEDULED WALL FINISHES AT AREAS EXPOSED BEHIND CASEWORK, STORAGE, PANELING, ETC. DUE TO REVEALS, JOINTS, KNEE SPACE, END CONDITIONS UNO.
  - PROVIDE RESILIENT TRANSITION ACCESSORIES AT ALL JOINTS BETWEEN DISSIMILAR FLOOR FINISHES, EXCEPT CARPET-TO-WALK-OFF UNO.
  - PROVIDE TROWELABLE CEMENTITIOUS UNDERLAYMENT TO TAPER FLOORING SUBSTRATES FOR ZERO THRESHOLD TRANSITIONS BETWEEN DISSIMILAR FLOOR FINISHES.
  - REFER TO DOOR SCHEDULE AND PROVIDE THRESHOLD HARDWARE IN LIEU OF RESILIENT TRANSITIONS WHERE INDICATED.
  - SEE INTERIOR DETAILS FOR FLOOR TRANSITIONS, BASE DETAILS AND CEILING TRANSITIONS.
  - PROVIDE CORNER GUARDS AT ALL UNPROTECTED OUTSIDE GYP CORNERS UNO.
  - EXTEND SPECIFIED FLOORING UNDER CASEWORK UNO.
  - FINISHES WITHIN STORAGE CLOSETS SHALL BE CONSISTENT WITH FINISHES IN THE ADJACENT ROOM UNO.
  - PROVIDE WALL BASE ON ALL WALLS AND COLUMNS UNO.
  - TYPICAL WALL FINISH: [P-X] UNO.
  - TYPICAL FLOOR FINISH: [CONC-X] UNO.
  - TYPICAL BASE FINISH: [RB-X] UNO.



**HAINES BOROUGH  
 HAINES COMMUNITY SAFETY AND  
 TRAINING CENTER  
 HAINES, ALASKA**  
 65% PRICING SET

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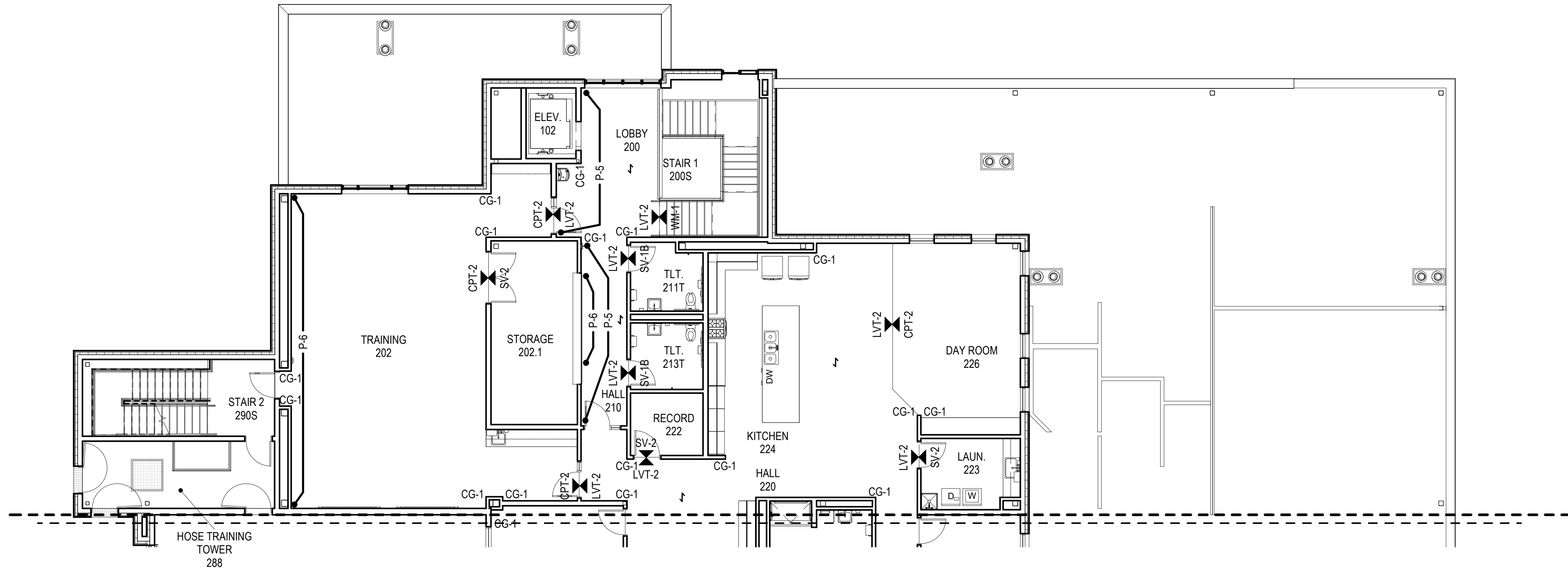
FIRST FLOOR - FINISH PLAN - BLOCK B

**A921B**

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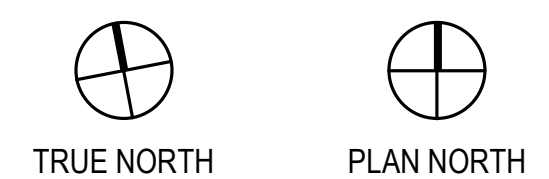
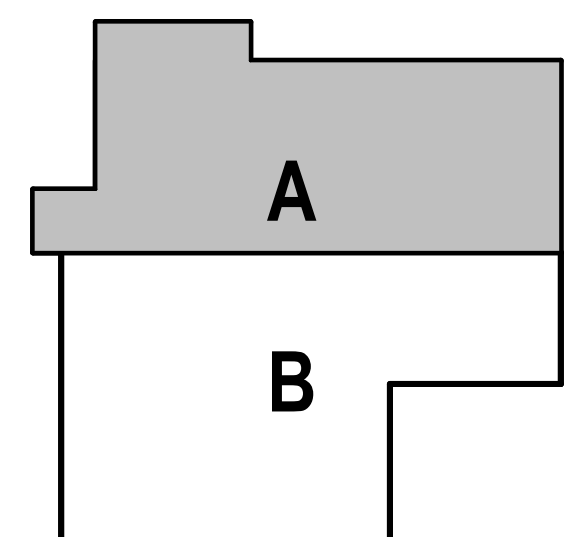
**1**  
A922A SECOND FLOOR - FINISH PLAN - BLOCK A  
1/8" = 1'-0"

**GENERAL FINISH PLAN NOTES**

- A. SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR ADDITIONAL FINISH INFORMATION.
- B. DIMENSIONS, TARGETS, ETC. THAT ARE TYPICAL FOR MANY AREAS ARE NOTED ONLY ONCE.
- C. FLOOR MATERIAL HATCHES ARE NOT INDICATIVE OF PATTERN. SEE FINISH LEGEND FOR INSTALLATION METHOD.
- D. PROVIDE A PRIME COAT AT WALLS IN UNEXPOSED AREAS CONCEALED BY CASEWORK, PANELING, WALL COVERINGS, AND OTHER FIXED ARCHITECTURAL ELEMENTS UNO.
- E. EXTEND SCHEDULED WALL FINISHES AT AREAS EXPOSED BEHIND CASEWORK, STORAGE, PANELING, ETC. DUE TO REVEALS, JOINTS, KNEE SPACE, END CONDITIONS UNO.
- F. PROVIDE RESILIENT TRANSITION ACCESSORIES AT ALL JOINTS BETWEEN DISSIMILAR FLOOR FINISHES, EXCEPT CARPET-TO-WALK-OFF UNO.
- G. PROVIDE TROWELABLE CEMENTITIOUS UNDERLAYMENT TO TAPER FLOORING SUBSTRATES FOR ZERO THRESHOLD TRANSITIONS BETWEEN DISSIMILAR FLOOR FINISHES.
- H. REFER TO DOOR SCHEDULE AND HARDWARE GROUPS, AND PROVIDE THRESHOLD HARDWARE IN LIEU OF RESILIENT TRANSITIONS WHERE INDICATED.
- I. SEE INTERIOR DETAILS FOR FLOOR TRANSITIONS, BASE DETAILS AND CEILING TRANSITIONS.
- J. PROVIDE CORNER GUARDS AT ALL UNPROTECTED OUTSIDE GYP CORNERS UNO.
- K. EXTEND SPECIFIED FLOORING UNDER CASEWORK UNO.
- L. FINISHES WITHIN STORAGE CLOSETS SHALL BE CONSISTENT WITH FINISHES IN THE ADJACENT ROOM UNO.
- M. PROVIDE WALL BASE ON ALL WALLS AND COLUMNS UNO.
- N. TYPICAL WALL FINISH: [P-X] UNO.
- O. TYPICAL FLOOR FINISH: [CONC-X] UNO.
- P. TYPICAL BASE FINISH: [RB-X] UNO.

**FINISH PLAN LEGEND**

- DIRECTION OF MATERIAL
- FLOOR TRANSITION
- EXTENT OF ACCENT PAINT



**HAINES BOROUGH  
HAINES COMMUNITY SAFETY AND  
TRAINING CENTER  
HAINES, ALASKA**

65% PRICING SET

CONSULTANT:

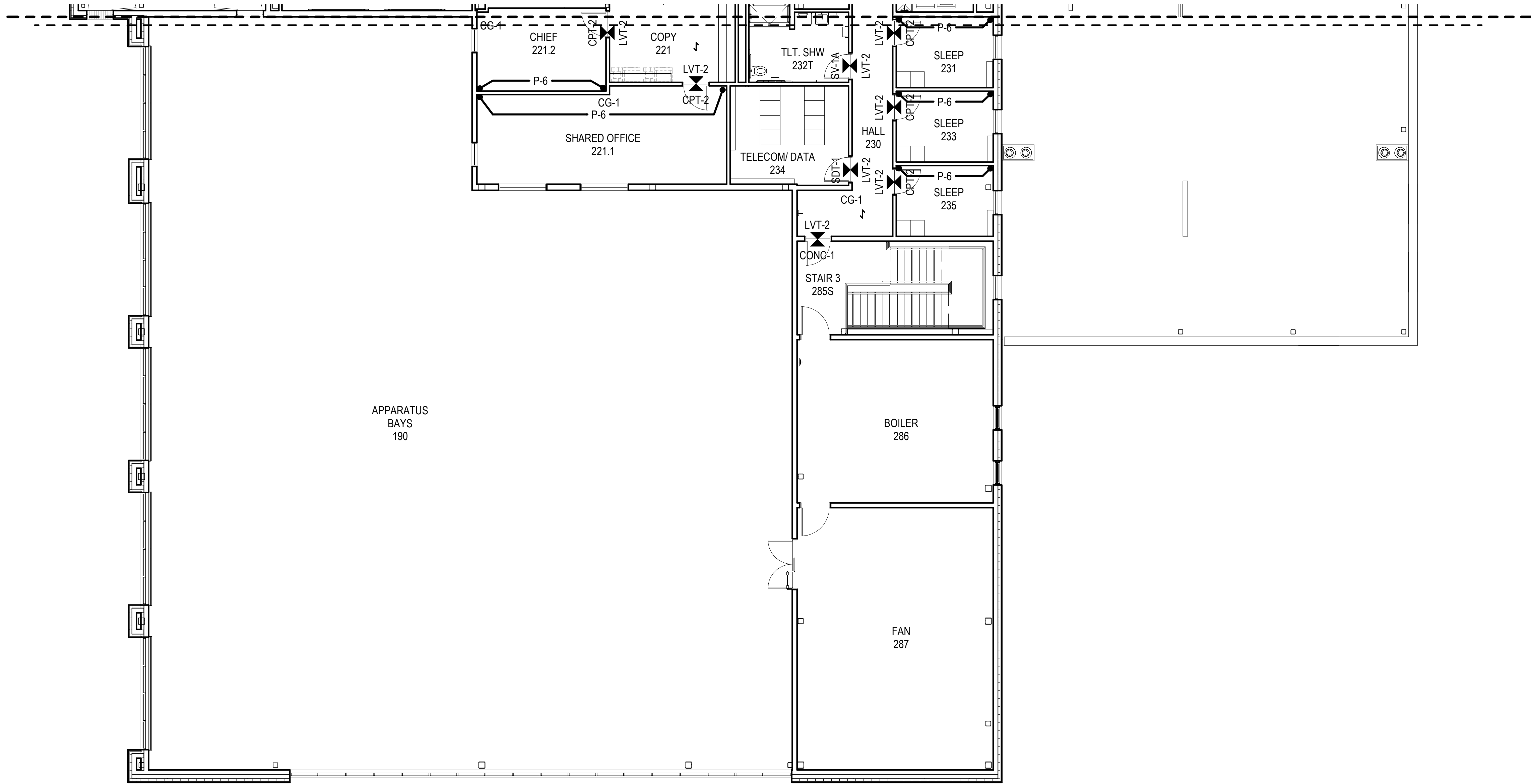
PROJECT NO:	20-130	
DATE:	2022-08-25	
DRAWN BY:	CC	
CHECKED BY:	AK	
REVISION	DESCRIPTION	DATE

SECOND FLOOR - FINISH PLAN - BLOCK A  
**A922A**

NOT FOR CONSTRUCTION

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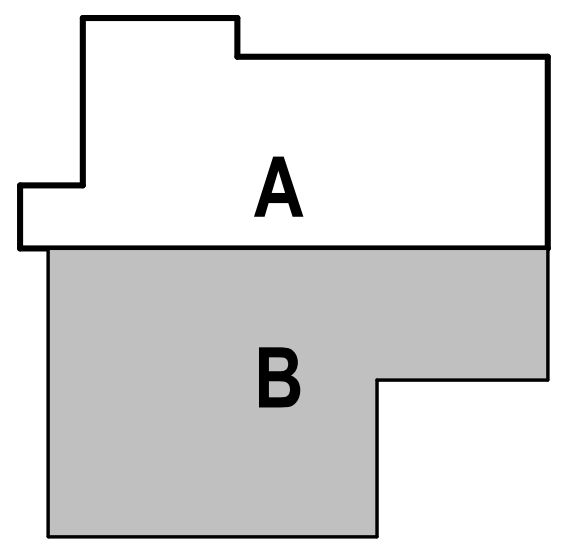


**GENERAL FINISH PLAN NOTES**

- A. SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR ADDITIONAL FINISH INFORMATION.
- B. DIMENSIONS, TARGETS, ETC. THAT ARE TYPICAL FOR MANY AREAS ARE NOTED ONLY ONCE.
- C. FLOOR MATERIAL HATCHES ARE NOT INDICATIVE OF PATTERN. SEE FINISH LEGEND FOR INSTALLATION METHOD.
- D. PROVIDE A PRIME COAT AT WALLS IN UNEXPOSED AREAS CONCEALED BY CASEWORK, PANELING, WALL COVERINGS, AND OTHER FIXED ARCHITECTURAL ELEMENTS UNO.
- E. EXTEND SCHEDULED WALL FINISHES AT AREAS EXPOSED BEHIND CASEWORK, STORAGE, PANELING, ETC. DUE TO REVEALS, JOINTS, KNEE SPACE, END CONDITIONS UNO.
- F. PROVIDE RESILIENT TRANSITION ACCESSORIES AT ALL JOINTS BETWEEN DISSIMILAR FLOOR FINISHES, EXCEPT CARPET-TO-WALK-OFF UNO.
- G. PROVIDE TROWELABLE CEMENTITIOUS UNDERLAYMENT TO TAPER FLOORING SUBSTRATES FOR ZERO THRESHOLD TRANSITIONS BETWEEN DISSIMILAR FLOOR FINISHES.
- H. REFER TO DOOR SCHEDULE AND HARDWARE GROUPS, AND PROVIDE THRESHOLD HARDWARE IN LIEU OF RESILIENT TRANSITIONS WHERE INDICATED.
- I. SEE INTERIOR DETAILS FOR FLOOR TRANSITIONS, BASE DETAILS AND CEILING TRANSITIONS.
- J. PROVIDE CORNER GUARDS AT ALL UNPROTECTED OUTSIDE GYP CORNERS UNO.
- K. EXTEND SPECIFIED FLOORING UNDER CASEWORK UNO.
- L. FINISHES WITHIN STORAGE CLOSETS SHALL BE CONSISTENT WITH FINISHES IN THE ADJACENT ROOM UNO.
- M. PROVIDE WALL BASE ON ALL WALLS AND COLUMNS UNO.
- N. TYPICAL WALL FINISH: [P-X] UNO.
- O. TYPICAL FLOOR FINISH: [CONC-X] UNO.
- P. TYPICAL BASE FINISH: [RB-X] UNO.

**FINISH PLAN LEGEND**

- DIRECTION OF MATERIAL
- FLOOR TRANSITION
- EXTENT OF ACCENT PAINT



TRUE NORTH      PLAN NORTH

**1 SECOND FLOOR - FINISH PLAN - BLOCK B**  
A922B 1/8" = 1'-0"

**HAINES BOROUGH  
HAINES COMMUNITY SAFETY AND  
TRAINING CENTER  
HAINES, ALASKA**

65% PRICING SET

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: CC  
CHECKED BY: AK

REVISION	DESCRIPTION	DATE

SECOND FLOOR - FINISH PLAN - BLOCK B

**A922B**

NOT FOR CONSTRUCTION

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# INTERIOR SIGNAGE LEGEND

<p><b>TYPE A</b> ROOM ID</p> <p>1" RAISED LETTERS, SSF-1 1/4" BORDER, SSF-1 BACKGROUND, SSF-2 3/4" RAISED LETTERS, SSF-X BRILLE BEAD TRANSLATION, CENTERED BELOW MESSAGE, SSF-3</p>	<p><b>TYPE B.1</b> ROOM ID W/ INSERT - LARGE</p> <p>1" RAISED LETTERS, SSF-1 1/4" BORDER, SSF-1 BACKGROUND, SSF-2 BRILLE BEAD TRANSLATION, CENTERED BELOW MESSAGE, SSF-3 3/4" TEXT PRINTED ON PAPER INSERT BEHIND CLEAR ACRYLIC LENS</p>	<p><b>TYPE B.2</b> ROOM ID W/ INSERT - SMALL</p> <p>1" RAISED LETTERS, SSF-1 1/4" BORDER, SSF-1 BACKGROUND, SSF-2 BRILLE BEAD TRANSLATION, CENTERED BELOW MESSAGE, SSF-3 3/4" TEXT PRINTED ON PAPER INSERT BEHIND CLEAR ACRYLIC LENS</p>	<p><b>TYPE C</b> SMALL ROOM ID</p> <p>1" RAISED LETTERS, SSF-1 1/4" BORDER, SSF-1 BACKGROUND, SSF-2 BRILLE BEAD TRANSLATION, CENTERED BELOW MESSAGE, SSF-3</p>
<p><b>TYPE D</b> RESTROOM ID</p> <p>1" RAISED LETTERS, SSF-1 1/4" BORDER, SSF-1 BACKGROUND, SSF-2 6" PICTOGRAM, SSF-1 BRILLE BEAD TRANSLATION, CENTERED BELOW MESSAGE, SSF-3 UNIVERSAL SYMBOL OF ACCESSIBILITY 3/4" RAISED LETTERS, SSF-1 BRILLE BEAD TRANSLATION, CENTERED BELOW MESSAGE, SSF-3</p>	<p><b>TYPE E</b> INFORMATIONAL SIGN</p> <p>1/4" BORDER, SSF-1 BACKGROUND, SSF-2 3/4" RAISED LETTERS, SSF-1 BRILLE BEAD TRANSLATION, CENTERED BELOW MESSAGE, SSF-3</p>	<p><b>TYPE F</b> FIRE DEPARTMENT CONNECTION</p> <p>1-1/4" LETTERS, WHITE BACKGROUND, RED</p>	<p><b>TYPE G</b> FLAGMOUNT FIRE EXTINGUISHER ID</p> <p>T-BRACKET MOUNT TO WALL SURFACE W/ ANCHORS AS REQUIRED FIRE EXTINGUISHER PICTOGRAM AND LABEL</p>
<p><b>TYPE H</b> FLOOR NUMBER</p> <p>1/4" BORDER, SSF-1 BACKGROUND, SSF-2 1 1/2" RAISED LETTERS, SSF-1 1" RAISED LETTERS, SSF-1 5" RAISED LETTERS, SSF-1 1" RAISED LETTERS, SSF-1 BRILLE BEAD TRANSLATION, CENTERED BELOW MESSAGE, SSF-3 1" RAISED LETTERS, SSF-1 RAISED PICTOGRAM, SSF-1</p>		<p><b>TYPE J</b> STAIR ID</p> <p>1/4" BORDER, SSF-1 BACKGROUND, SSF-2 1" RAISED LETTERS, SSF-1 BRILLE BEAD TRANSLATION, CENTERED BELOW MESSAGE, SSF-3 6" HIGH RAISED PICTOGRAM, SSF-1 1" RAISED LETTERS, SSF-1 BRILLE BEAD TRANSLATION, CENTERED BELOW MESSAGE, SSF-3</p>	

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
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SIGN TYPE LEGEND  
**A931**

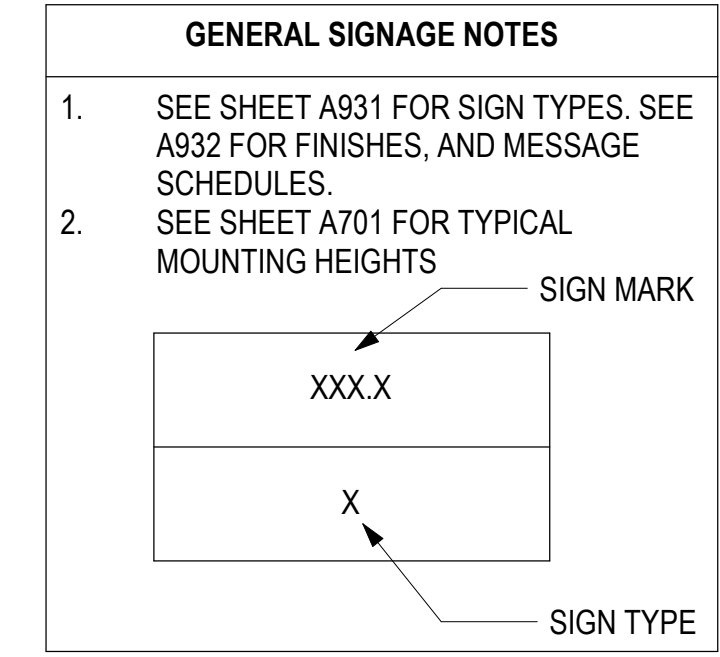
NOT FOR CONSTRUCTION

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## CODE REQUIRED SIGNAGE

	DESCRIPTION	LOCATION	TYPE	SIGN TYPE	MOUNTING LOCATION
IBC REQ'D	TOILET ROOM DESIGNATION	PROVIDE NEAR THE ENTRANCE TO EACH TOILET FACILITY NOTE ACCESSIBLE SIGNS SHALL COMPLY WITH 1CC-A117.1	INTERIOR PANEL	SEE TYPE D	SEE SIGN LOCATION PLAN
IFC REQ'D	HAZARD IDENTIFICATION/ AUTHORIZED ACCESS ONLY	AT ENTRANCES TO LOCATIONS WHERE HAZARDOUS MATERIAL ARE HANDLED, STORED, OR USED. "HIGH VOLTAGE" AT ELECTRICAL ROOMS	INTERIOR PANEL	SEE TYPE E	SEE SIGN LOCATION PLAN
	EQUIPMENT ROOMS	AT ENTRANCES TO EQUIPMENT ROOMS - I.E. MECHANICAL, ELECTRICAL, COMMUNICATIONS, SPRINKLER CONTROL, FOAM, ETC.	INTERIOR PANEL & EXTERIOR PANEL	SEE TYPE C	SEE SIGN LOCATION PLAN
	FIRE DEPARTMENT CONNECTION	AT ALL FIRE DEPARTMENT CONNECTIONS SERVING FIRE SPRINKLERS, STANDPIPES OR PUMP CONNECTIONS	EXTERIOR PANEL	SEE TYPE F	SEE SIGN LOCATION PLAN
NFPA REQ'D	EXIT IDENTIFICATION	ABOVE EXIT DOORS	ELECTRICAL SIGN	SEE ELEC	CEILING OR WALL AS INDICATED
	FIRE EXTINGUISHER IDENTIFICATION	FLAG-MOUNT ABOVE FIRE EXTINGUISHER	INTERIOR FLAG-MOUNT & DECAL ADHERED TO FEC	SEE TYPE G	SEE SIGN LOCATION PLAN
	STAIR IDENTIFICATION	AT ENTRANCES TO STAIRS	INTERIOR PANEL	SEE TYPE J	SEE SIGN LOCATION PLAN
	STAIR LEVEL INDICATORS	WITH STAIRS AT EACH LEVEL	INTERIOR PANEL	SEE TYPE H	SEE SIGN LOCATION PLAN
	ELEVATOR EGRESS	AT ENTRANCES TO ELEVATORS	INTERIOR PANEL	N/A	N/A
	ELEVATOR HOISTWAY LEVEL INDICATORS	AT JAMB OF EACH ELEVATOR HOISTWAY OPENING	INTERIOR PANEL	N/A	N/A
	EGRESS PLANS	AT EACH ELEVATOR AND EGRESS STAIR ENTRANCE	INTERIOR PANEL	N/A	N/A



## SIGNAGE SCHEDULE

INTERIOR SIGN SCHEDULE						
Mark	SE - Type	SE - Subtype	Sign - Message Number	Sign - Message Pictogram	Sign - Message Text	Sign - Remarks
111T	D		111	TOILET	RESTROOM	
112	A		112	-	DISPATCH	
112.1	A		112.1	-	OFFICE	
112C	C		112C	-	-	
112T	D		112T	TOILET	RESTROOM	
113T	D		113T	TOILET	RESTROOM	
115.1	E		115.1	-	LAUNDRY	
115A	A		115	-	STORAGE	
115B	A		115	-	STORAGE	
120	G		-	FIRE EXTINGUISHER	-	
120J	E		-	-	JANITOR	
122	A		122	-	EOC	
122.1	C		122.1	-	-	
124	A		124	-	CONFERENCE	
130	G		-	FIRE EXTINGUISHER	-	
132	A		132	-	SQUAD RM.	
132.1	B	2	132.1	-	<PRINTED INSERT>	
134	B	2	134	-	<PRINTED INSERT>	
141T	D		141T	SHOWER/TOILET	SHOWER	
142T	D		142T	SHOWER/TOILET	SHOWER	
143	A		143	-	EVIDENCE PROCESSING	
143.1	E		-	-	EVIDENCE STORAGE	
145C	A		145	-	INTAKE AND VEHICLE BAY	
145D	A		145	-	INTAKE AND VEHICLE BAY	
151	C		151	-	-	
152	A		152	-	INTERVIEW	
153	C		153	-	-	
160	A		160	-	INTAKE PROCESSING	
168	A		168	-	SOFT HOLD	
170E	G		-	FIRE EXTINGUISHER	-	
171	C		171	-	-	
172	A		172	-	LOCKERS	
173	D		173	SHOWER	SHOWER	
174	D		174	SHOWER	SHOWER	
175T	D		175T	SHOWER	SHOWER	
176	D		176	SHOWER	SHOWER	
177B	A		177	-	MORGUE	
180.1A	C		180.1	-	-	
180.1B	C		180.1	-	-	
180A	A		180	-	DECON	
180B	A		180	-	DECON	
182A	A		182	-	BUNKER TURNOUT GEAR	
182B	A		182	-	BUNKER TURNOUT GEAR	

INTERIOR SIGN SCHEDULE						
Mark	SE - Type	SE - Subtype	Sign - Message Number	Sign - Message Pictogram	Sign - Message Text	Sign - Remarks
184	C		184	-	-	
185.1	C		185.1	-	-	
185B	J		-	STAIR	STAIR 3	
185C	J		-	STAIR	STAIR 3	
185SS	H		-	STAIR ARROW	STAIR 3 FLOOR 1	
186	C		186	-	-	
187	C		187	-	-	
188	A		188	-	HOSE TRAINING TOWER	
190EA	G		190	FIRE EXTINGUISHER	-	
190EB	G		-	FIRE EXTINGUISHER	-	
190S	J		-	STAIR	STAIR 2	
190SS	H		-	STAIR ARROW	STAIR 2 FLOOR 1	
191	A		191	-	SEARCH AND RESCUE	
193	A		193	-	02 TANK STORAGE	
195	A		195	-	SCUBA WORK	
195.1	C		195.1	-	-	
197	A		197	-	SHOP	
199.1	C		199.1	-	-	
199B	A		199	-	EXT. STOR.	
200S	H		-	STAIR	STAIR 2 FLOOR 1	
202.1	C		202.1	-	-	
202A	B	1	202	-	<PRINTED INSERT>	
202B	B	1	202	-	<PRINTED INSERT>	
211T	D		211T	TOILET	RESTROOM	
213T	D		213T	TOILET	RESTROOM	
221.1	A		221.1	-	SHARED OFFICE	
221.2	B	2	221.2	-	CHIEF	
222	C		222	-	-	
223	E		-	-	LAUNDRY	
230E	G		-	FIRE EXTINGUISHER	-	
231	A		231	-	SLEEP	
232T	D		232T	SHOWER/TOILET	SHOWER	
233	A		233	-	SLEEP	
234	E		234	-	-	
235	A		235	-	SLEEP	
285S	J		-	STAIR	STAIR 3	
285SS	H		-	STAIR ARROW	STAIR 3 FLOOR 2	
286	C		286	-	-	
286E	G		-	FIRE EXTINGUISHER	-	
287	C		287	-	-	
288	A		-	-	HOSE TRAINING TOWER	
290S	J		-	STAIR	STAIR 3	
290SS	H		-	STAIR ARROW	STAIR 2 FLOOR 2	

BASIS OF DESIGN  
INTERIOR SIGNAGE  
INTERIOR PANEL SIGNS

SAND-CARVED | RECTANGULAR | CONTRAST BORDER | SQUARE CORNER  
WITH SQUARE INNER BORDER | SQUARE EDGE | BORDER: SSF-1 |  
BACKGROUND: SSF-2 | MESSAGE: SSF-1 LETTERING AND SSF-3 |  
FONT: HELVETICA NEUE 65 MEDIUM | COPY POSITION: CENTERED - C |  
MOUNTING: SURFACE MOUNT, DOUBLE-STICK TAPE, UNO

REFERENCE NAME	SIGNAGE FINISHES
SSF-1	DESIGNER WHITE
SSF-2	CASTLE
SSF-3	TACTILE GRADE 2 BRAILLE BEADS RAISED MIN 1/32", 22 PT

MESSAGE SCHEDULE NOTES	
1.	PROVIDE SIGNS WITH TACTILE TEXT AND BRAILLE MESSAGE WHICH COMPLY TO ABAAS FOR OWNER USE
2.	PROVIDE PRINTED INSERT TEMPLATE FILES FOR OWNER USE
3.	ALL INTERIOR AND EXTERIOR SIGN COPY SHALL BE ALL CAPS UNLESS INDICATED OTHERWISE
4.	EXTERIOR PANEL SIGNS SHALL BE FABRICATED TO MATCH SITE/ CIVIL PANEL SIGNS IN MATERIAL, COLORS, & TYPEFACE

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
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SIGN MESSAGE SCHEDULE

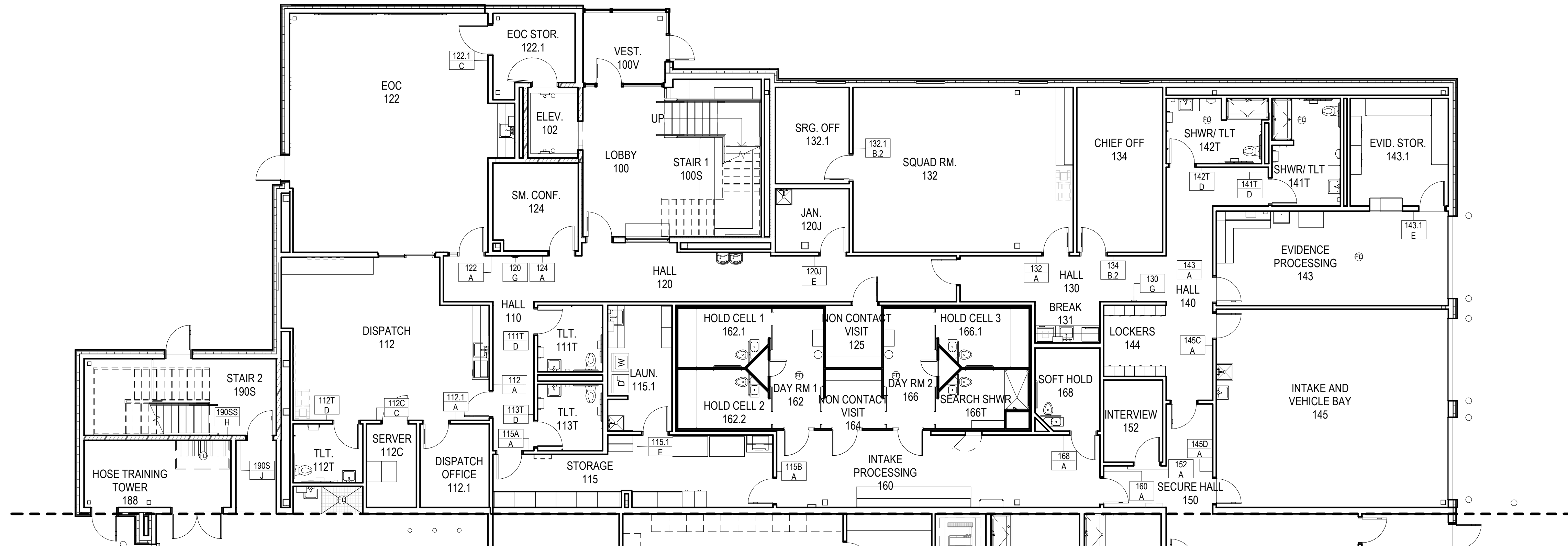
**A932**

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1 FIRST FLOOR - SIGNAGE PLAN - BLOCK A  
A941A 1/8" = 1'-0"

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA

65% PRICING SET

CONSULTANT:

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DATE: 2022-08-25  
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FIRST FLOOR - SIGNAGE PLAN - BLOCK A

**A941A**

NOT FOR CONSTRUCTION

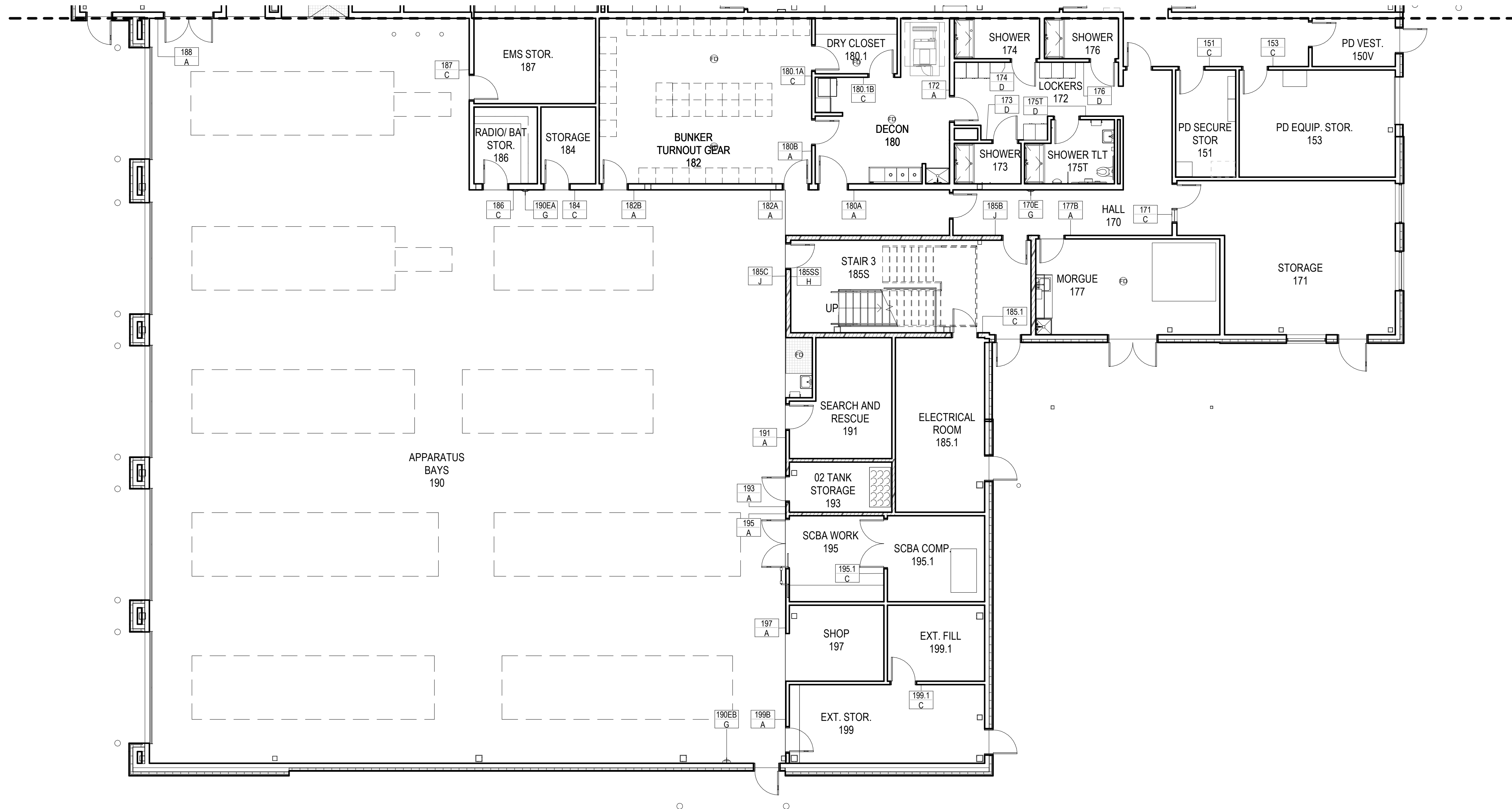
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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# 1 FIRST FLOOR - SIGNAGE PLAN - BLOCK B

A941B 1/8" = 1'-0"



HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
 HAINES, ALASKA

65% PRICING SET

CONSULTANT:

PROJECT NO: 20-130  
 DATE: 2022-08-25  
 DRAWN BY: PM  
 CHECKED BY: JN

REVISION	DESCRIPTION	DATE

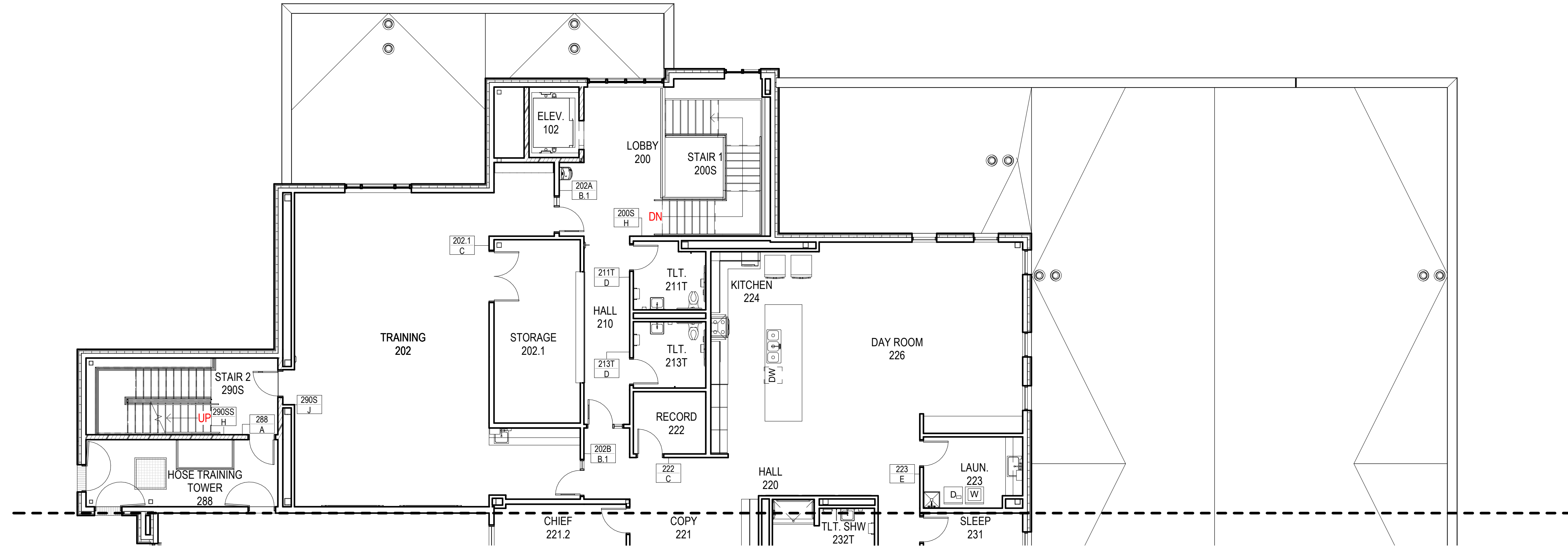
FIRST FLOOR - SIGNAGE PLAN - BLOCK B

## A941B

NOT FOR CONSTRUCTION

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1 SECOND FLOOR - SIGNAGE PLAN - BLOCK A  
 A942A 1/8" = 1'-0"

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
 HAINES, ALASKA

65% PRICING SET

CONSULTANT:

PROJECT NO: 20-130  
 DATE: 2022-08-25  
 DRAWN BY: PM  
 CHECKED BY: JN

REVISION	DESCRIPTION	DATE

SECOND FLOOR - SIGNAGE PLAN - BLOCK A

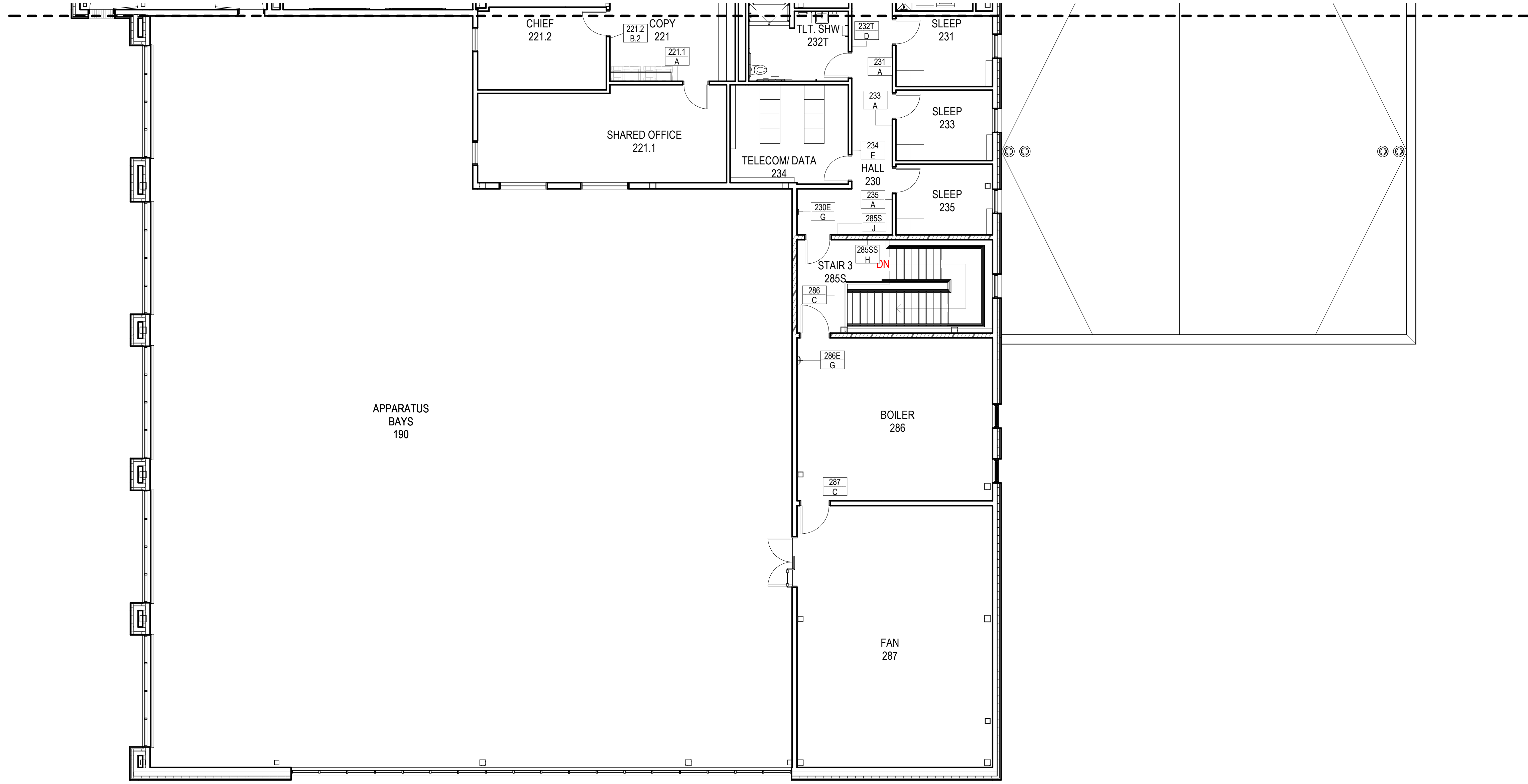
**A942A**

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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1 SECOND FLOOR - SIGNAGE PLAN - BLOCK B  
 A942B 1/8" = 1'-0"

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
 HAINES, ALASKA  
 65% PRICING SET

CONSULTANT:

PROJECT NO: 20-130  
 DATE: 2022-08-25  
 DRAWN BY: PM  
 CHECKED BY: JN

REVISION	DESCRIPTION	DATE

SECOND FLOOR - SIGNAGE PLAN - BLOCK B

**A942B**

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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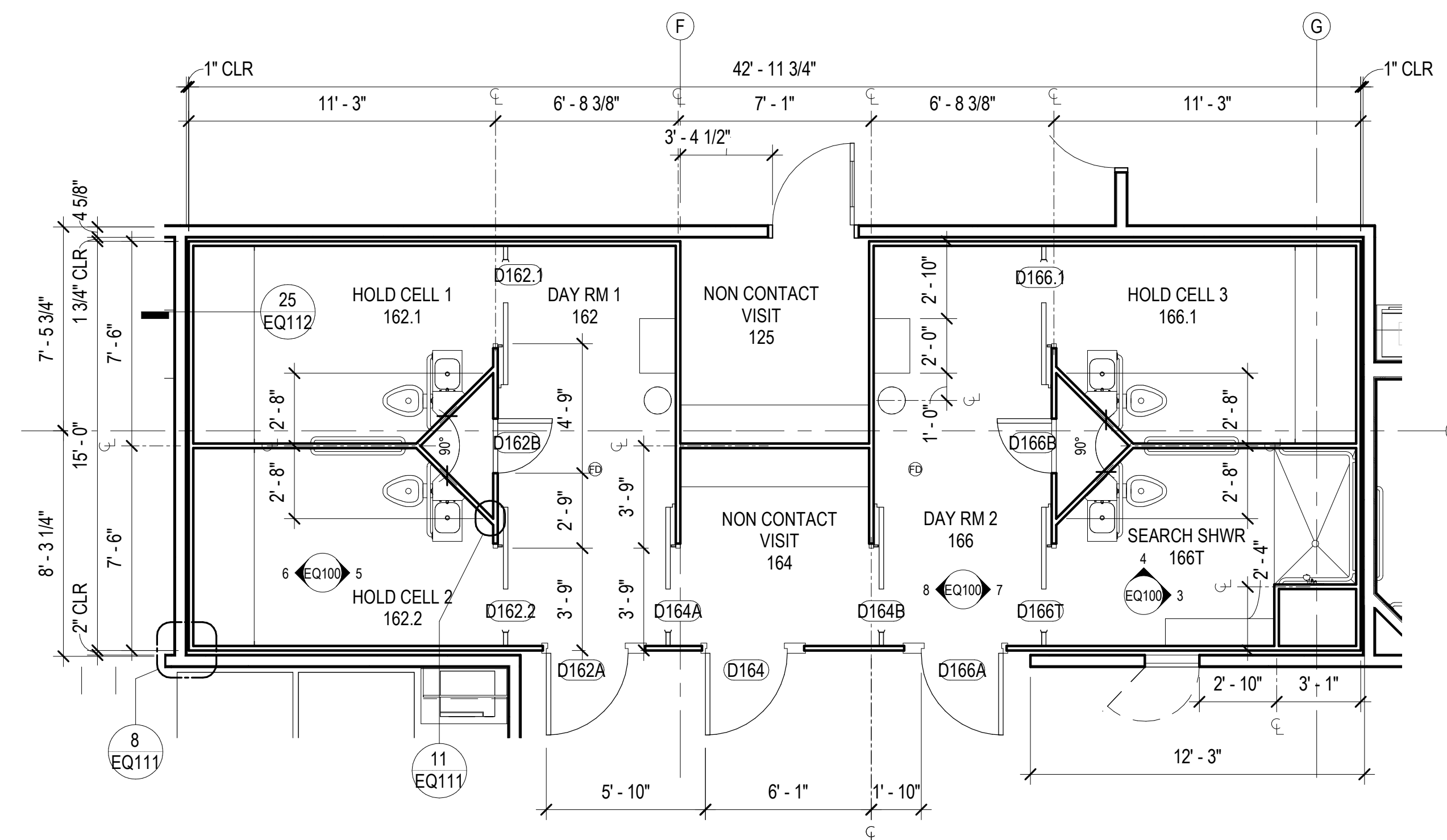
CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: JLL  
CHECKED BY: RR

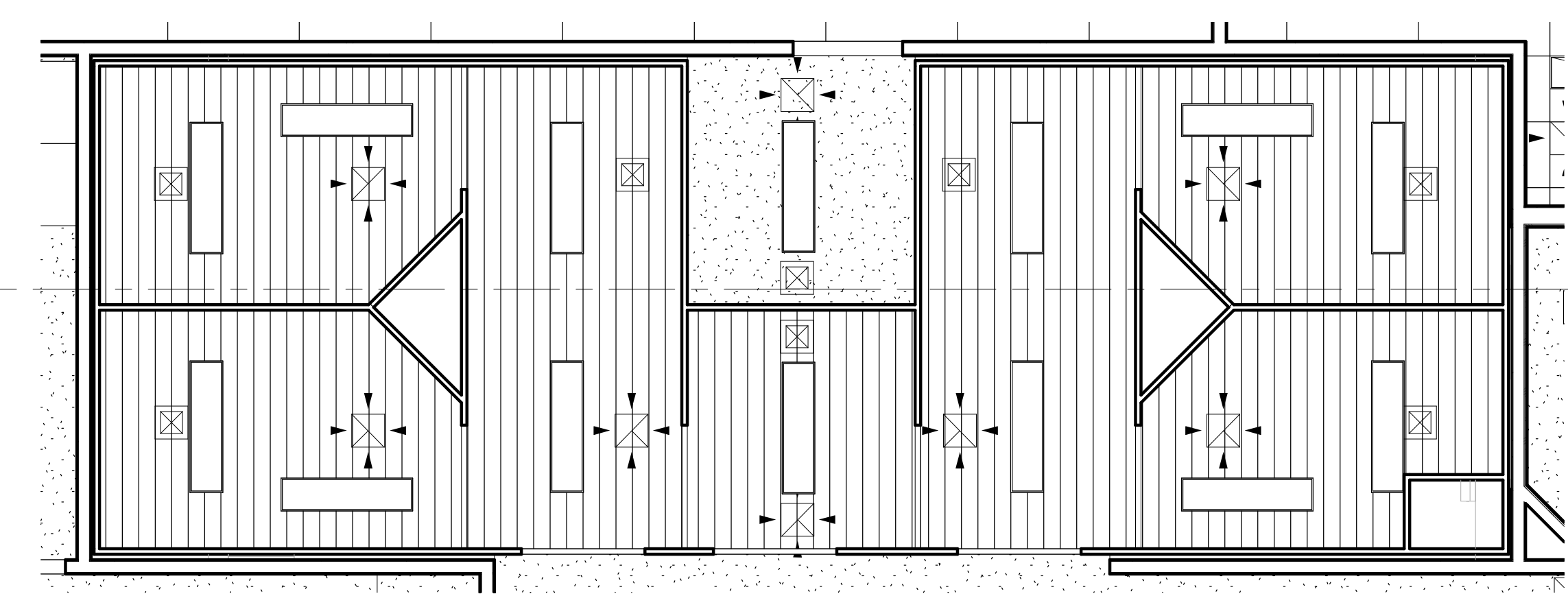
REVISION	DESCRIPTION	DATE

ENLARGED DETENTION PLANS, RCPS

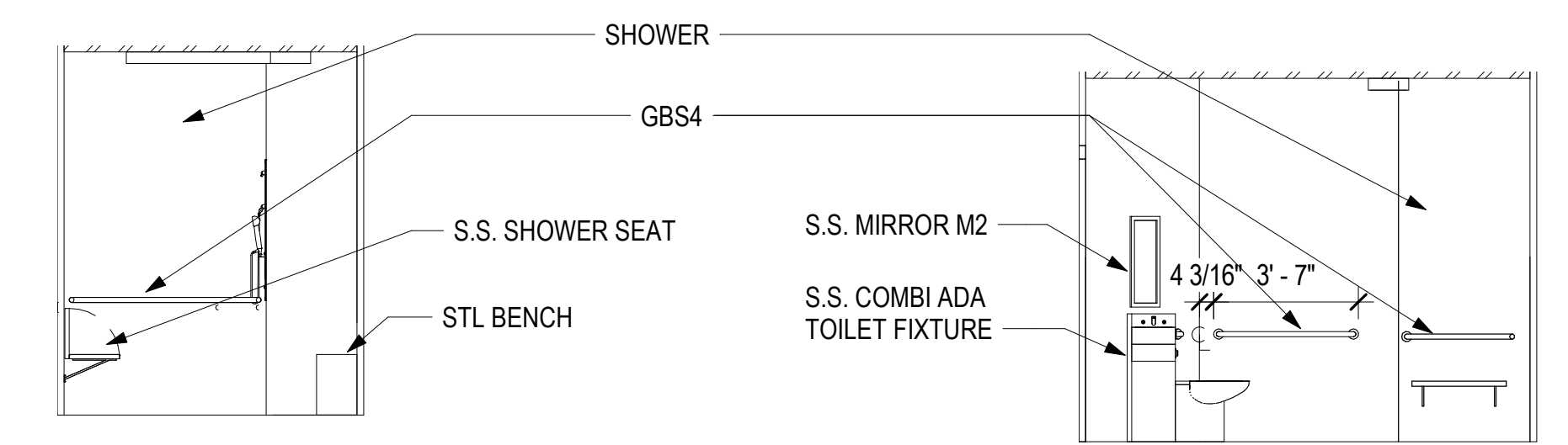
**EQ100**  
BETTISWORTH NORTH ARCHITECTS & PLANNERS



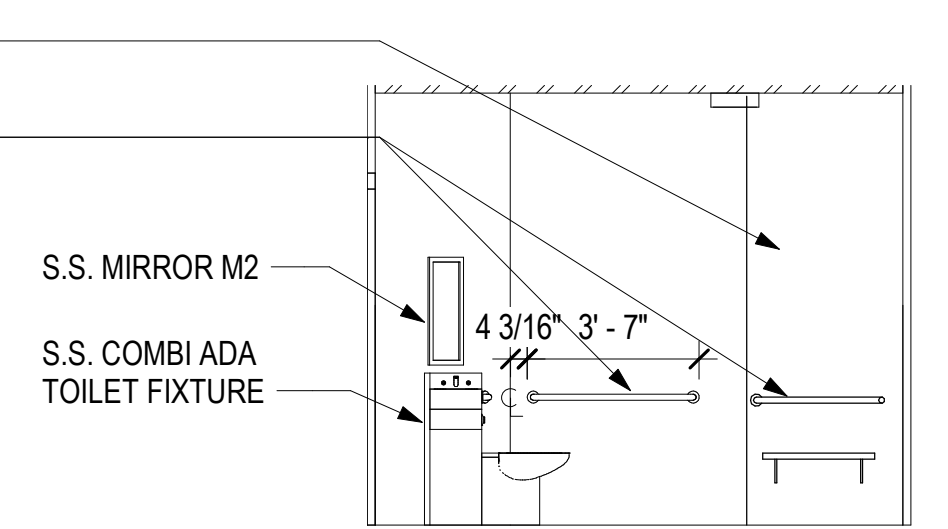
**1 ENLARGED DETENTION FLOOR PLAN**  
EQ100 1/4" = 1'-0"



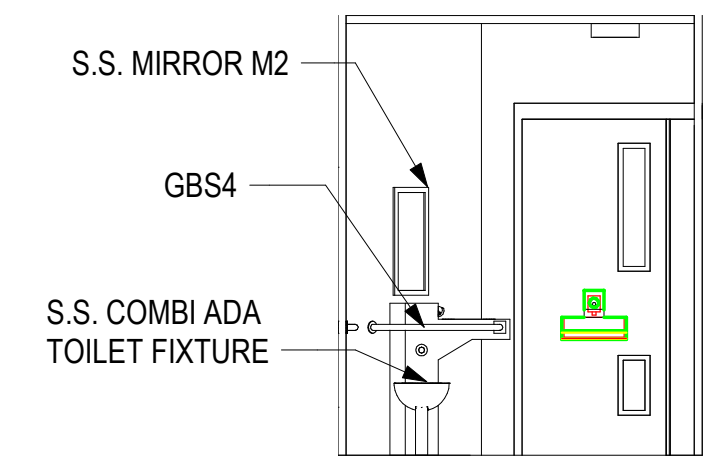
**2 ENLARGED DETENTION RCP**  
EQ100 1/4" = 1'-0"



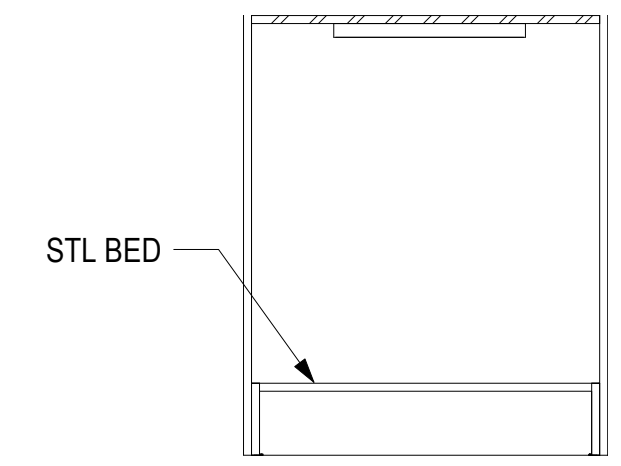
**3 SEARCH SHWR - 166 T E**  
EQ100 1/4" = 1'-0"



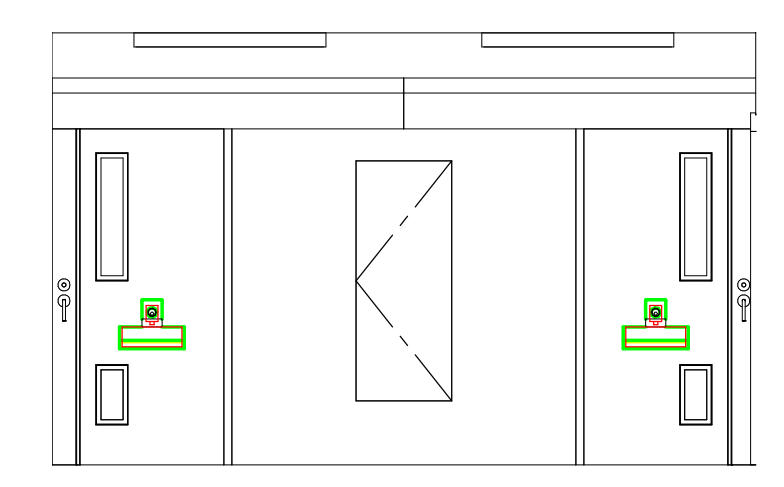
**4 SEARCH SHWR -166 T S**  
EQ100 1/4" = 1'-0"



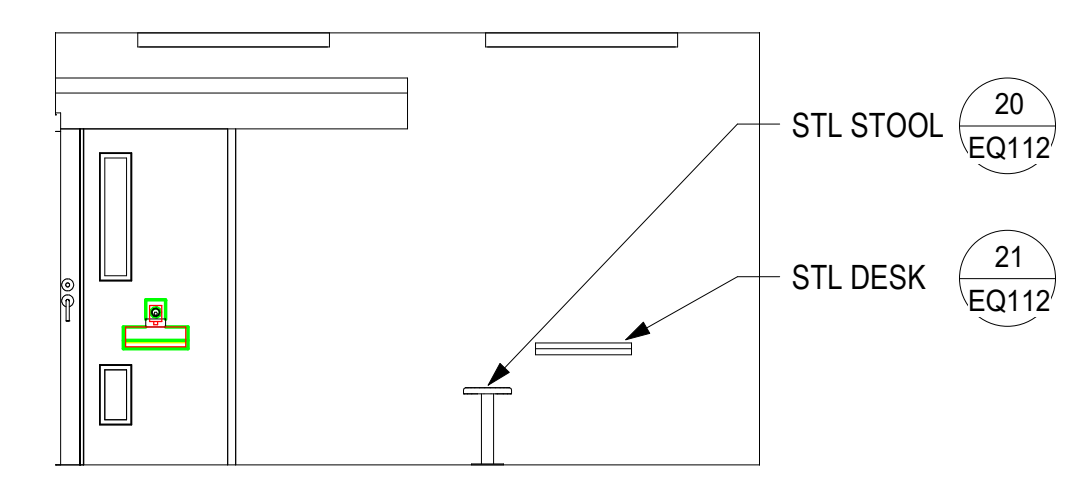
**5 HOLD CELL 2-162.2 E**  
EQ100 1/4" = 1'-0"



**6 HOLD CELL 3-162.2 W**  
EQ100 1/4" = 1'-0"



**7 DAY ROOM- 166 E**  
EQ100 1/4" = 1'-0"



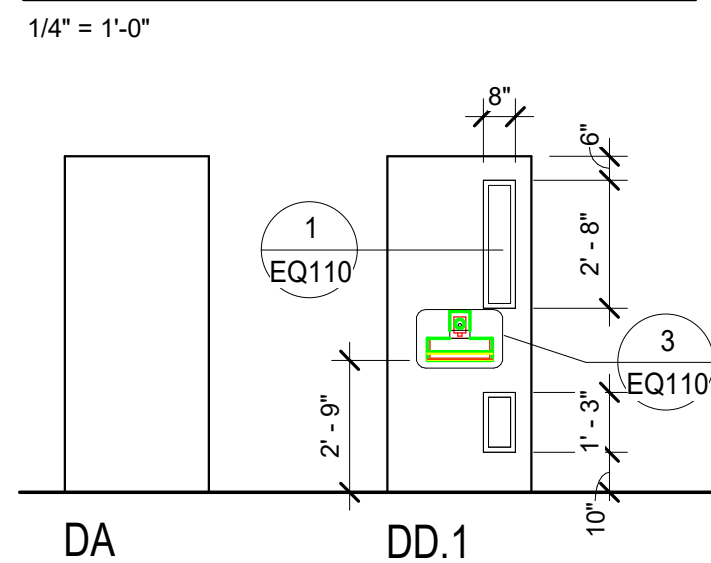
**8 DAY ROOM- 166 W**  
EQ100 1/4" = 1'-0"

NOT FOR CONSTRUCTION

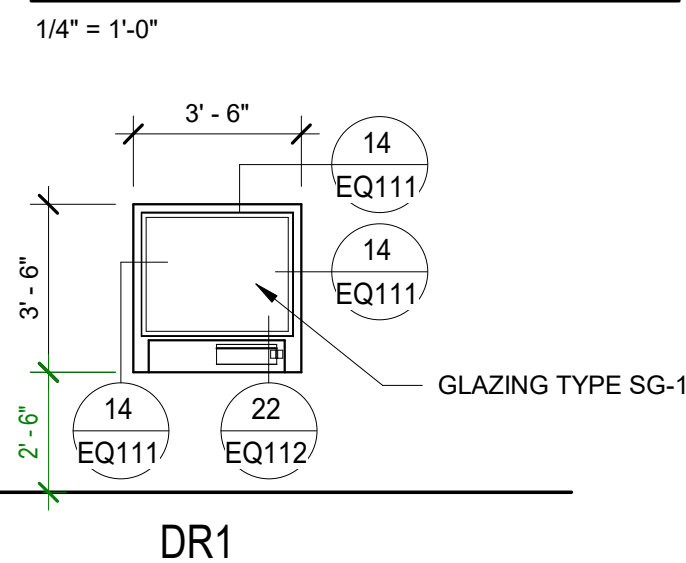
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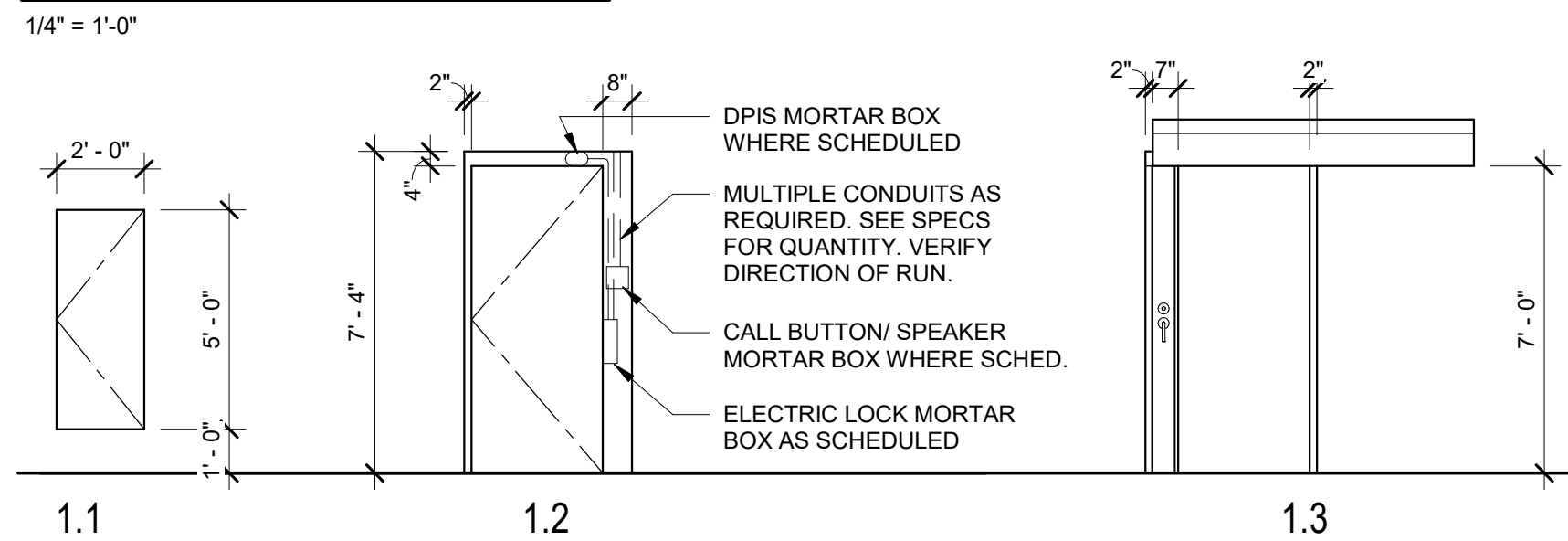
**DETENTION DOOR TYPES**



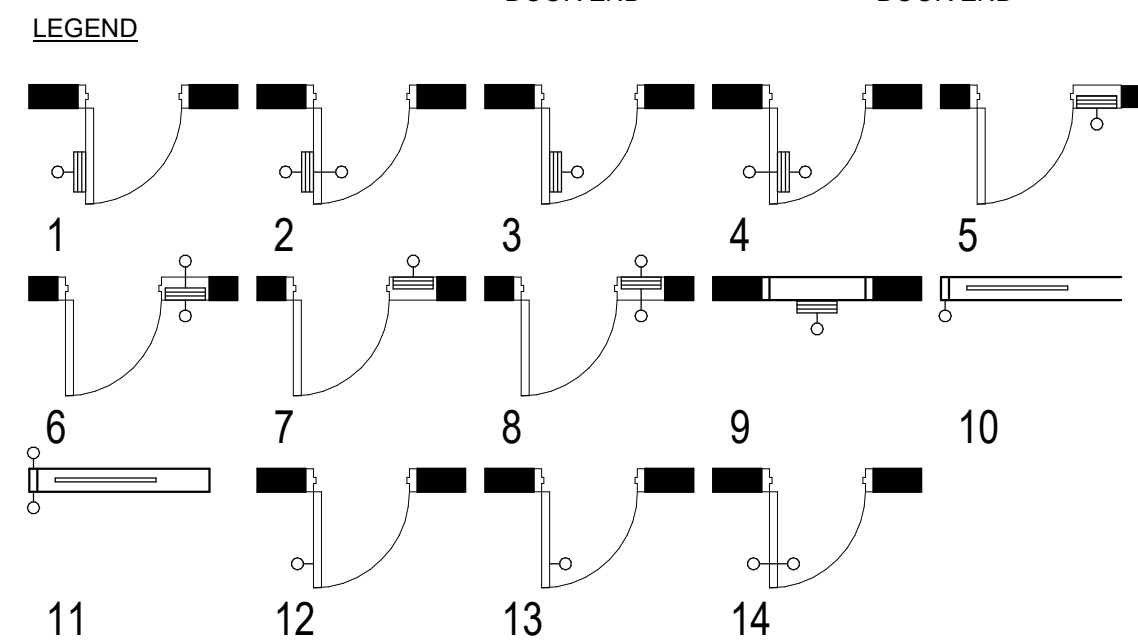
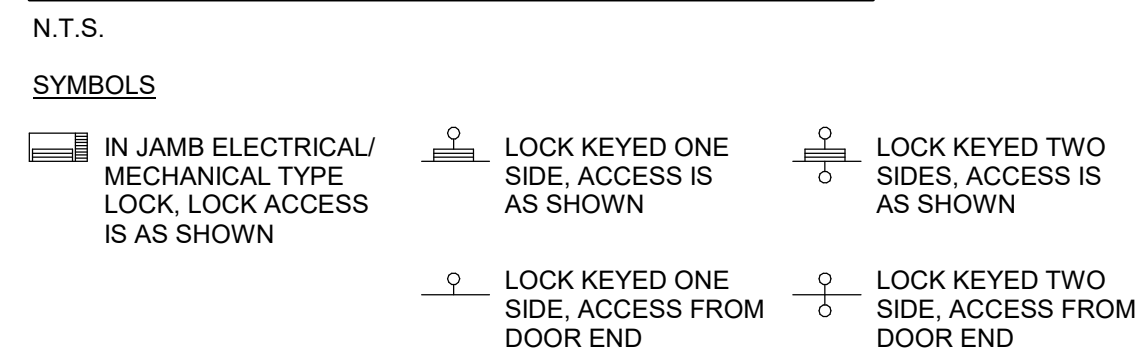
**DETENTION RELITE TYPES**



**DETENTION FRAME TYPES**



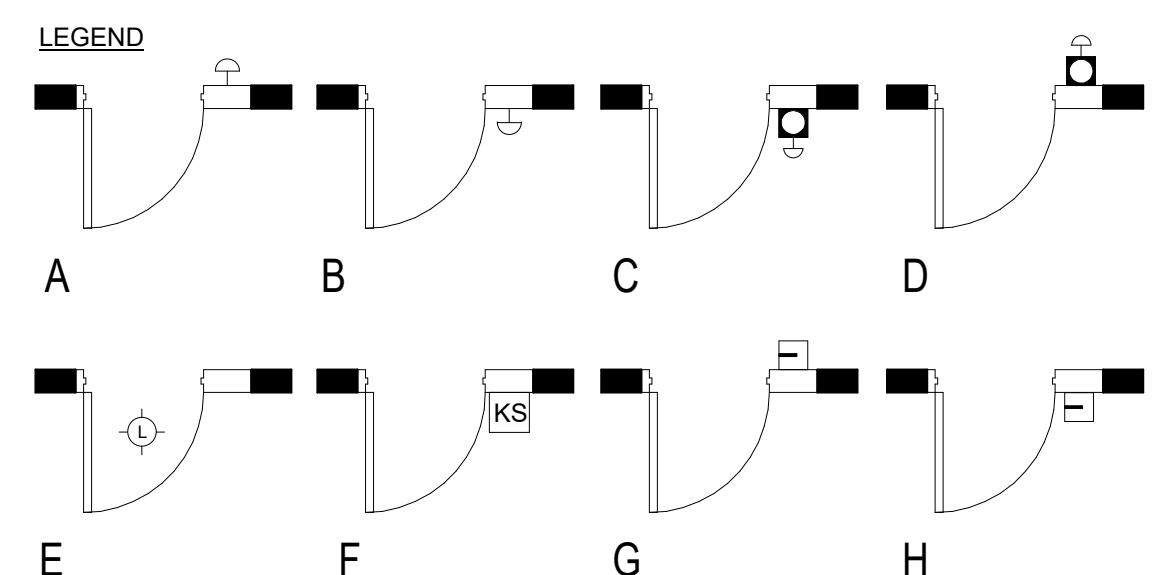
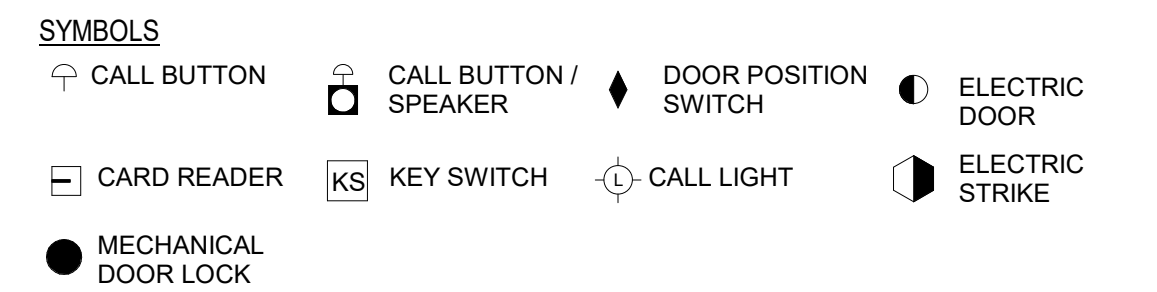
**KEYING, LOCK ACCESS**



**COMMUNICATION LOCATION**

N.T.S.  
-REFER TO DETAILS ON SHEETS SM0.02 FOR MORTAR BOX REQ'MTS  
-REFER TO "ES" DRAWINGS FOR ADDITIONAL REQUIREMENTS

NOTE:  
SLIDE SIDE OF SLIDING DOOR IS THE SAME AS HINGE SIDE



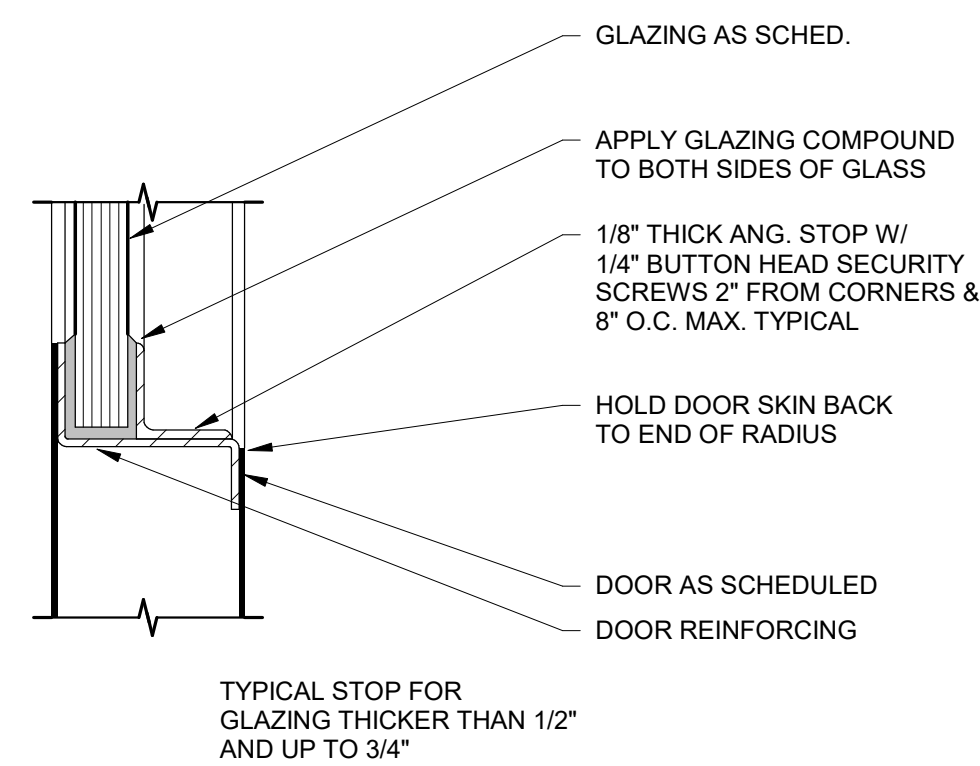
**GENERAL NOTES**

- REFER TO DIVISION II FOR DETENTION EQUIPMENT DOORS, FRAMES, HARDWARE AND KEYING.
- GLAZING - "SG-1/H" INDICATES THE GLAZING TYPE SCHEDULED IN SECTION 088853. THE "S" INDICATES THAT THE REMOVABLE STOP IS LOCATED ON THE TOP SIDE. "H" INDICATES HINGE SIDE. GLAZING TYPE FOR SIDELIGHTS SHALL BE THE SAME AS SCHEDULED FOR THE DOOR.
- REMOVABLE GLAZING STOPS FOR DOOR SIDELIGHTS ARE TO BE LOCATED ON THE SAME SIDE AS SCHEDULED FOR DOORS. REMOVABLE GLAZING STOPS AND DETENTION RELIGHTS (DR) SHALL BE IDENTIFIED ON HOLLOW METAL SUBMITTALS FOR REVIEW.
- SEE KEYING AND LOCK ACCESS LEGEND THIS SHEET FOR "ACC" COLUMN REFERENCES.
- SEE COMMUNICATION LOCATION LEGEND THIS SHEET FOR "COM LOC" COLUMN REFERENCES. COORDINATE JAMB MOUNTED COMMUNICATIONS WITH DIVISION 28. UPPERCASE LETTERS INDICATE FRAME MOUNTED ITEMS, LOWERCASE LETTERS INDICATE WALL MOUNTED ITEMS.
- FOOD PASS TO BE LOCATED ON HINGE SIDE OF DOOR UNLESS INDICATED OTHERWISE.
- FINISH FOR ALL DETENTION DOORS, FRAMES, AND WINDOWS TO BE PAINT. SEE FINISH SCHEDULE AND DIVISION 9 SPECIFICATIONS.
- DETAILS ON SHEETS A10.2, A10.3, A10.4 REFER TO TYPICAL
- DETAIL REFERENCE BUBBLE LEGEND.

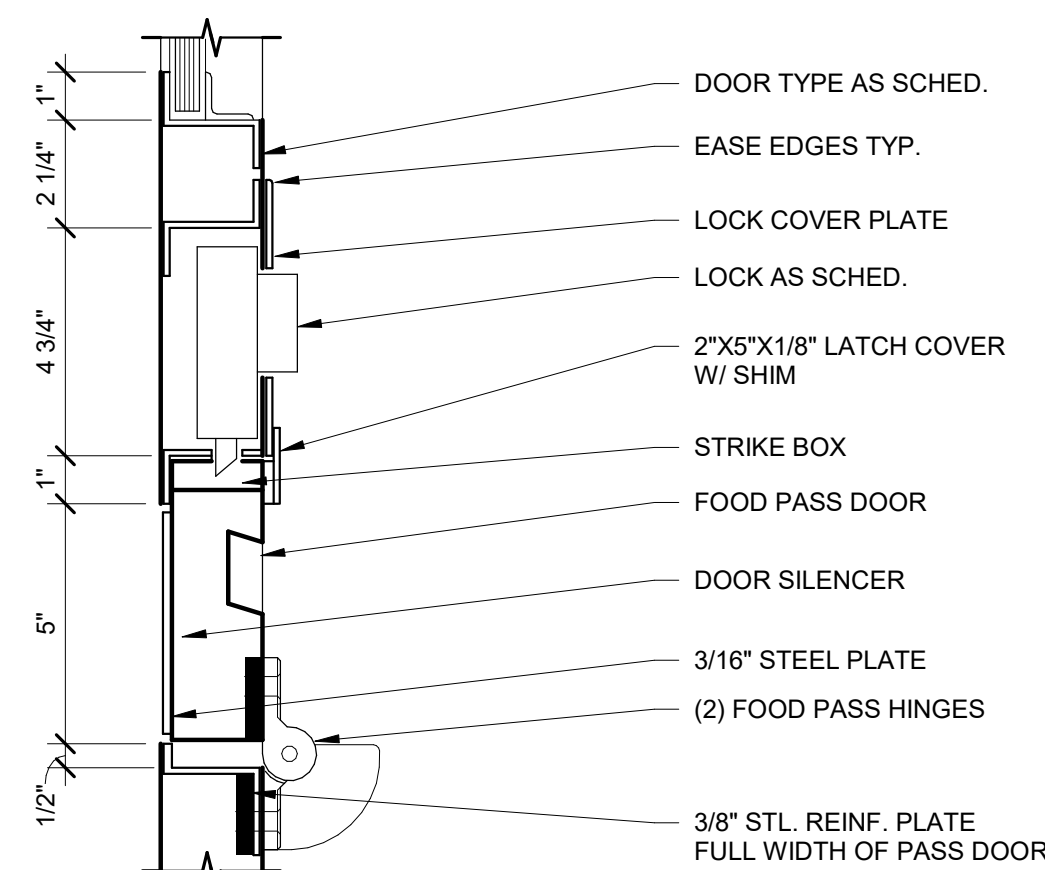
- NUMBER REFERS TO DETAIL LOCATED ON SHEETS
- AXX.XX REFERS TO SHEET NUMBER DETAIL IS LOCATED
- OXXX REFERS TO RELITE TYPE - REFER TO SECTION 088853 FOR DESCRIPTION OF REFERENCED SECURITY GLAZING TYPES

EQ110 - DOOR SCHEDULE

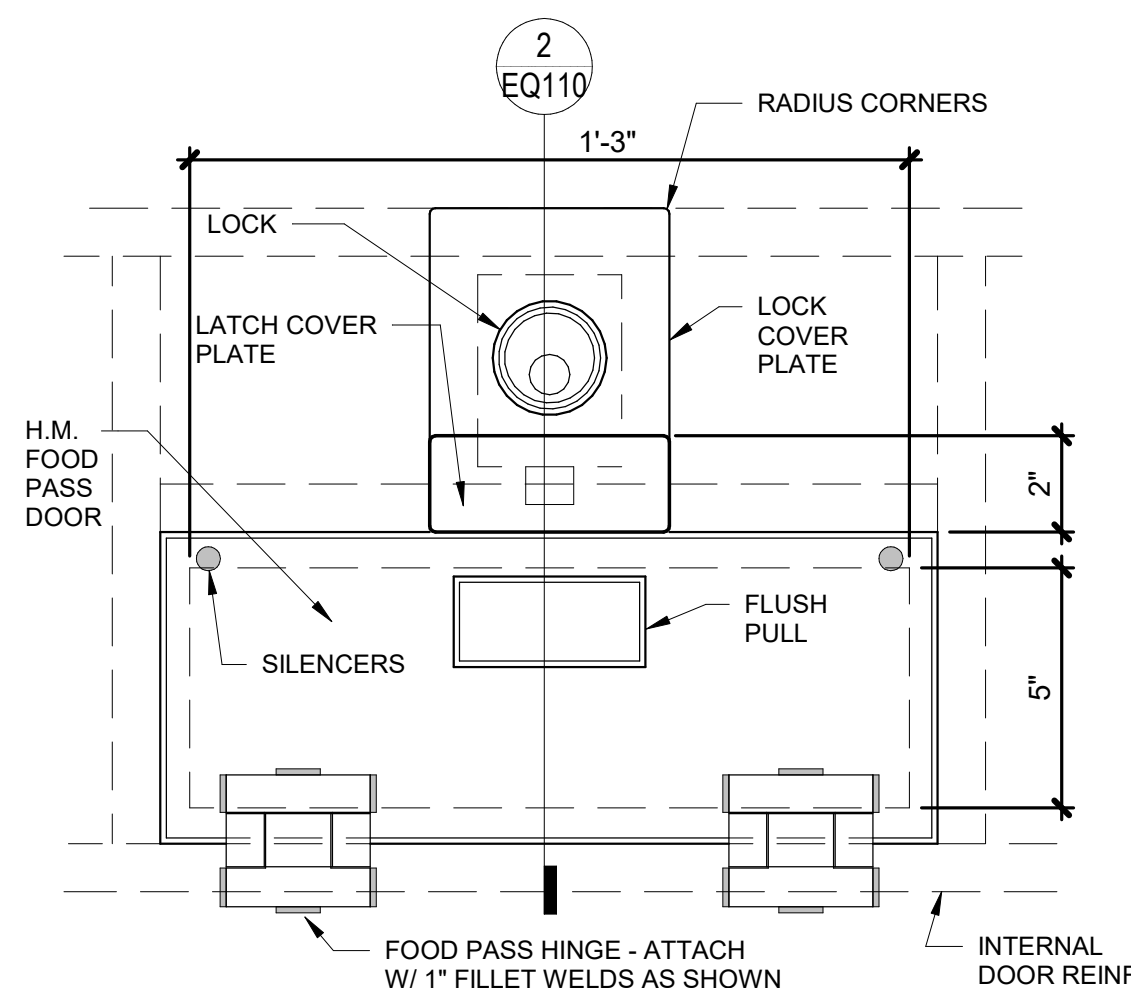
DOOR NO.	PANEL						TYPE	MATERIAL	COMM. LOC.	JAMB	HEAD	FIRE RATING	HARDWARE	GLAZING FILM	COMMENTS
	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	GLAZING									
D162.1		3'-0"	7'-0"	2"	12 GA HM	SG-2/H									
D162.2		3'-0"	7'-0"	2"	12 GA HM	SG-2/H									
D162A	DD.1	3'-0"	7'-0"	2"	12 GA HM	SG-2/H									
D162B	DA	2'-0"	5'-0"	2"	10 GA HM	-									INTEGRAL WITH WALL SYSTEM
D164	DD.1	3'-0"	7'-0"	2"	12 GA HM	SG-2/H									
D164A		3'-0"	7'-0"	2"	12 GA HM	SG-2/H									
D164B		3'-0"	7'-0"	2"	12 GA HM	SG-2/H									
D166.1		3'-0"	7'-0"	2"	12 GA HM	SG-2/H									
D166A	DD.1	3'-0"	7'-0"	2"	12 GA HM	SG-2/H									
D166B	DA	2'-0"	5'-0"	2"	10 GA HM	-									INTEGRAL WITH WALL SYSTEM
D166T		3'-0"	7'-0"	2"	12 GA HM	SG-2/H									



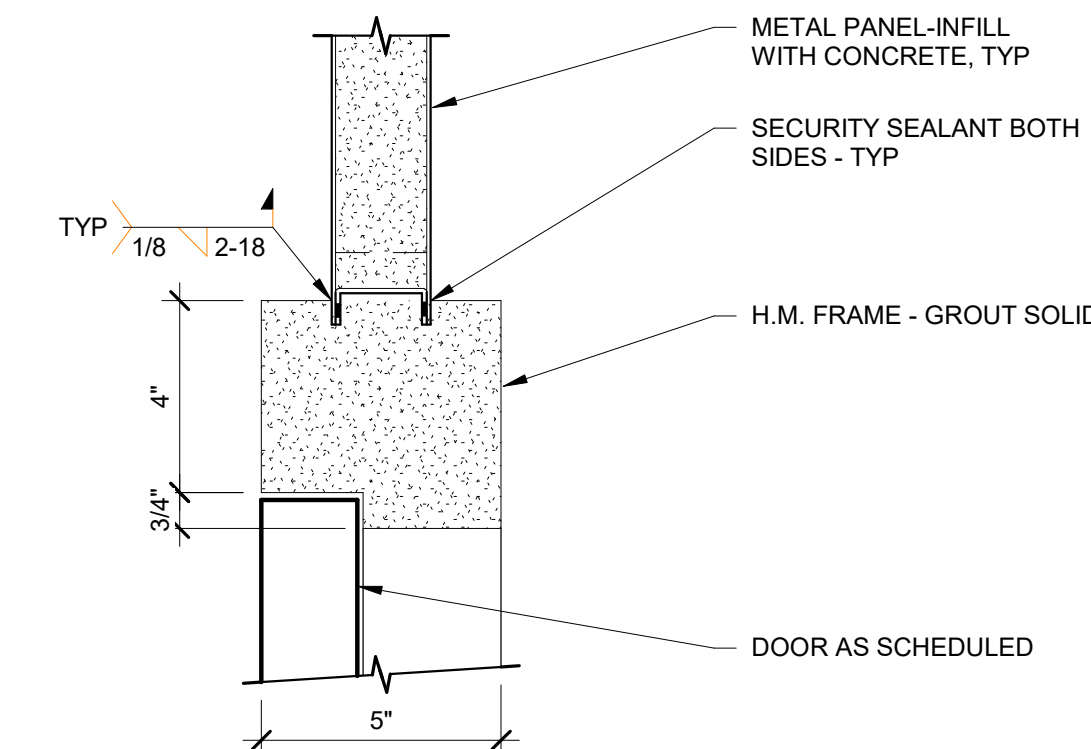
**1**  
EQ110 6" = 1'-0"



**2**  
EQ110 3" = 1'-0"



**3**  
EQ110 3" = 1'-0"



**4**  
EQ110 3" = 1'-0"

CONSULTANT:

PROJECT NO: 20-130  
DATE: 2022-08-25  
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DETENTION DOOR & WINDOW TYPES & DETENTION DOOR SCHEDULE

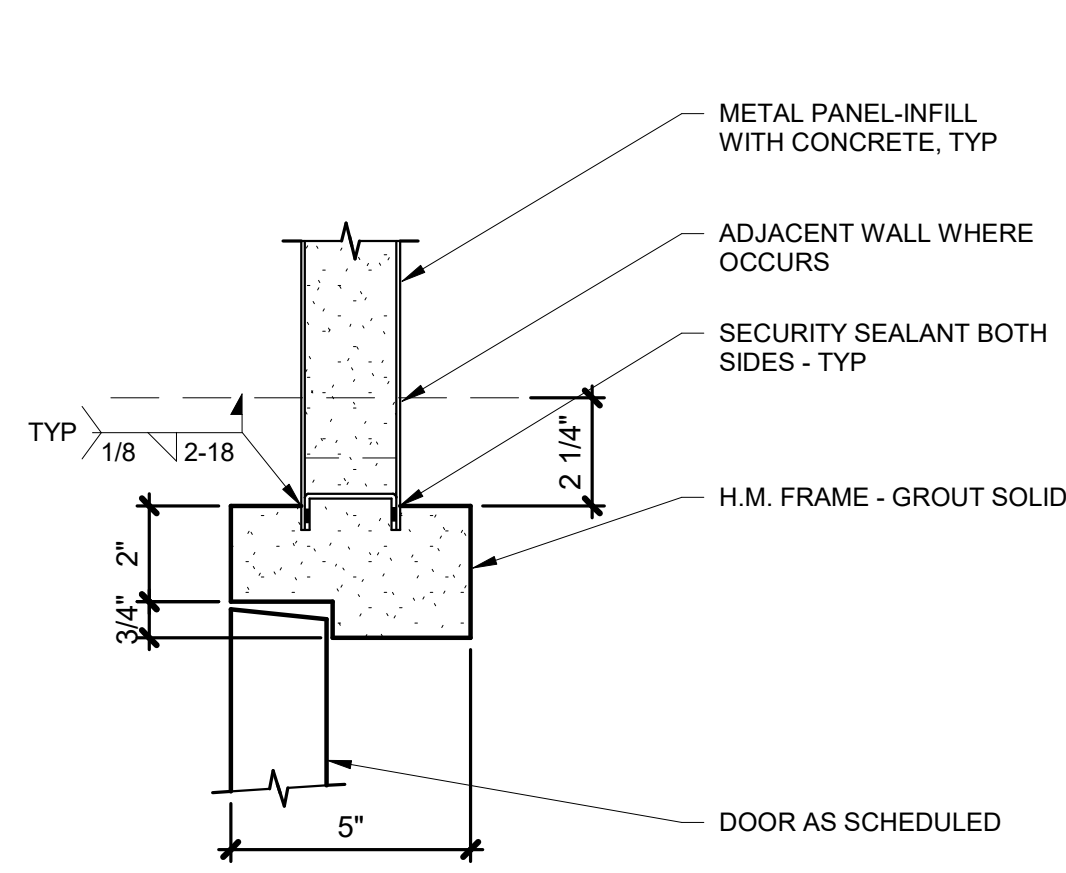
**EQ110**

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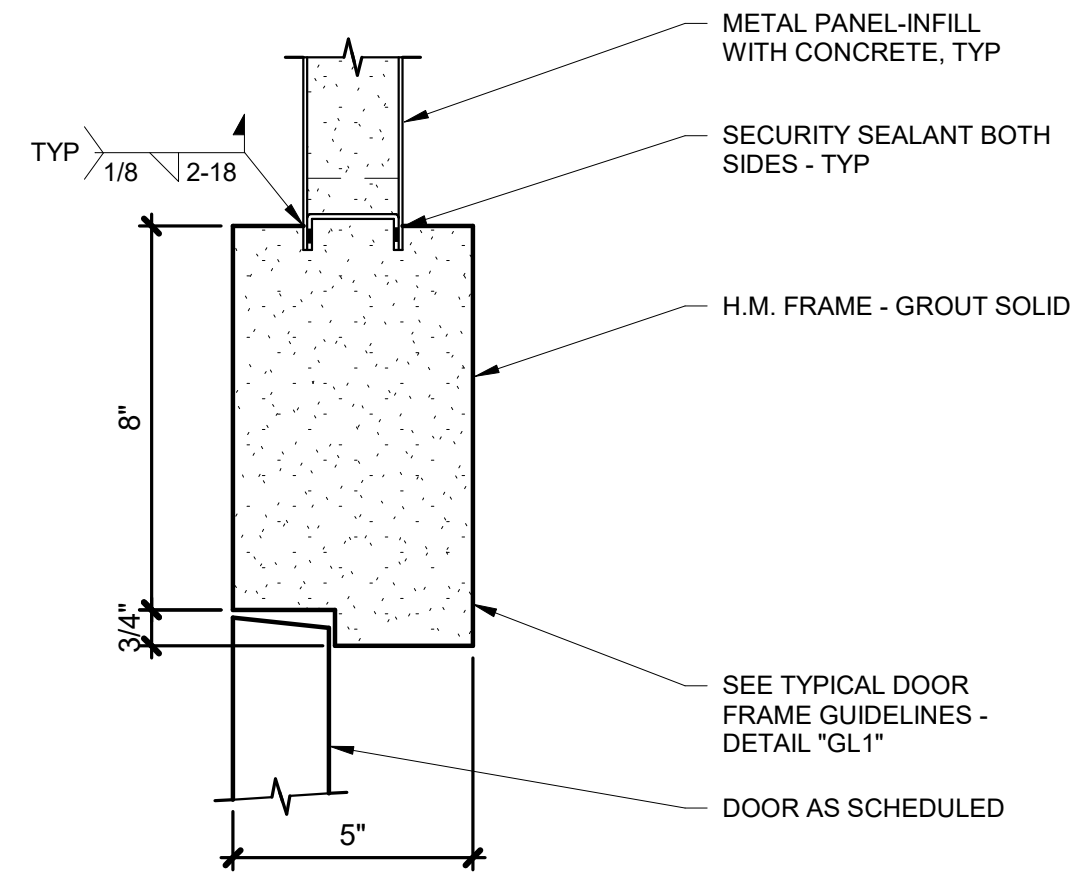
65% PRICING SET

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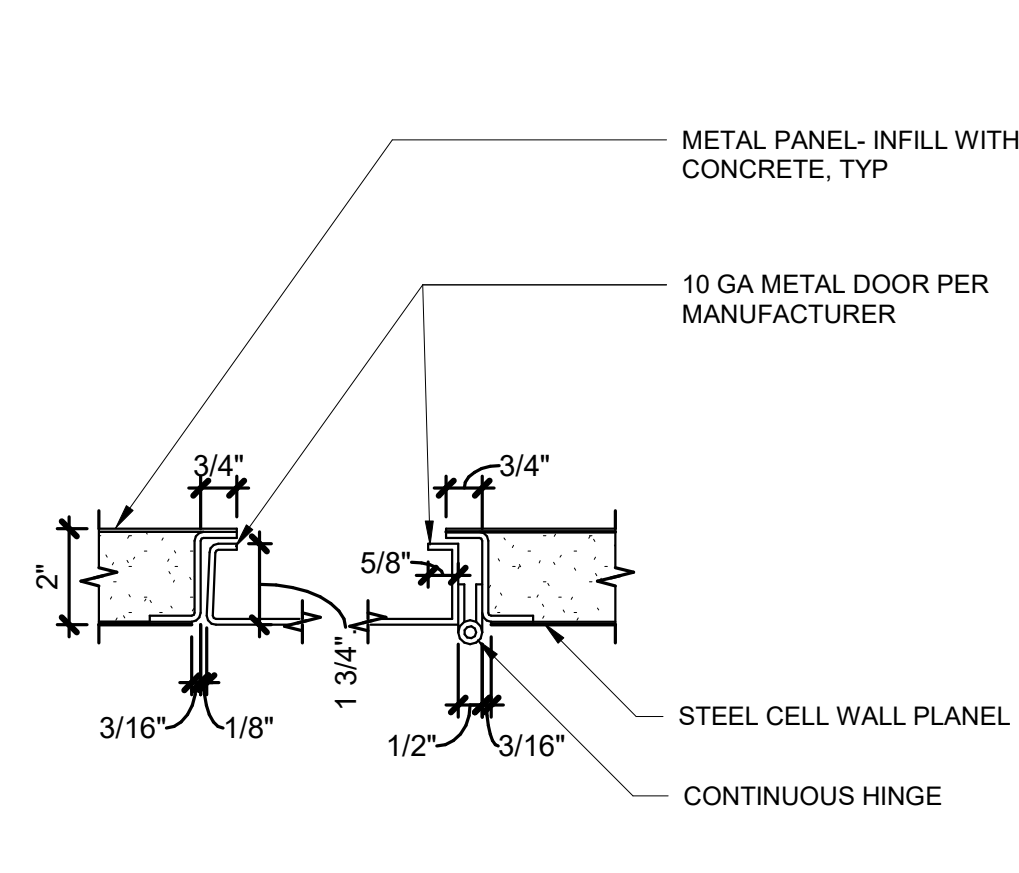
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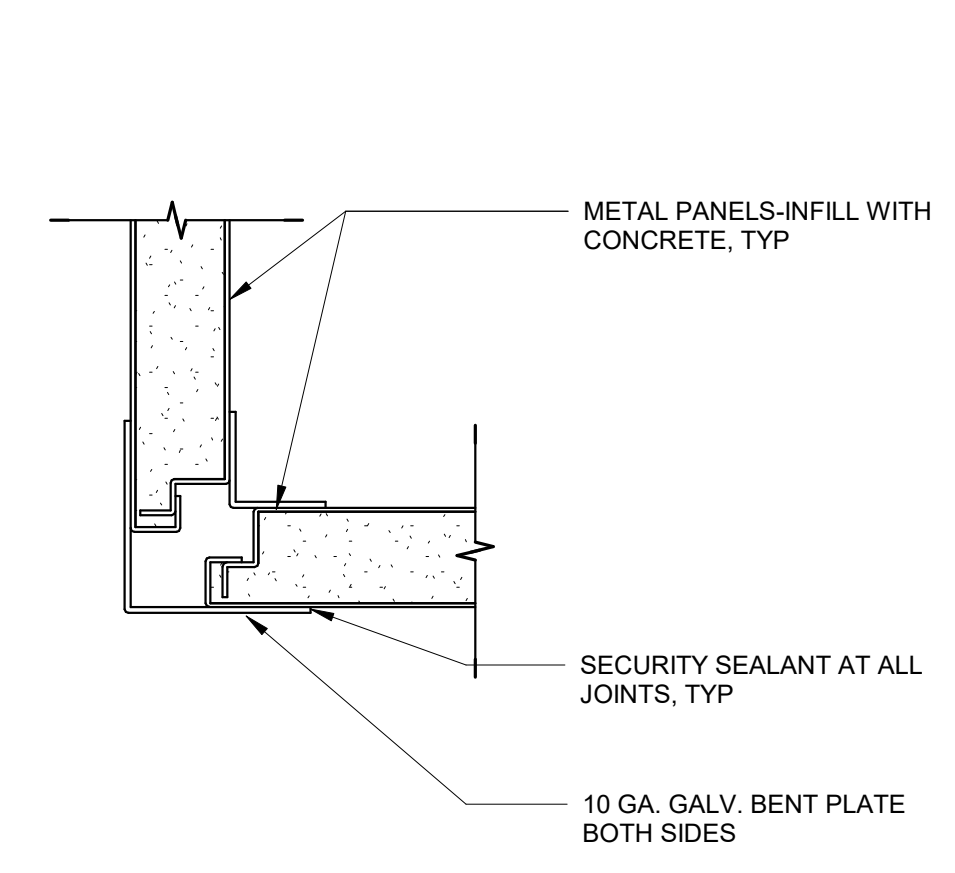
**5**  
EQ111 HINGE JAMB  
3" = 1'-0"



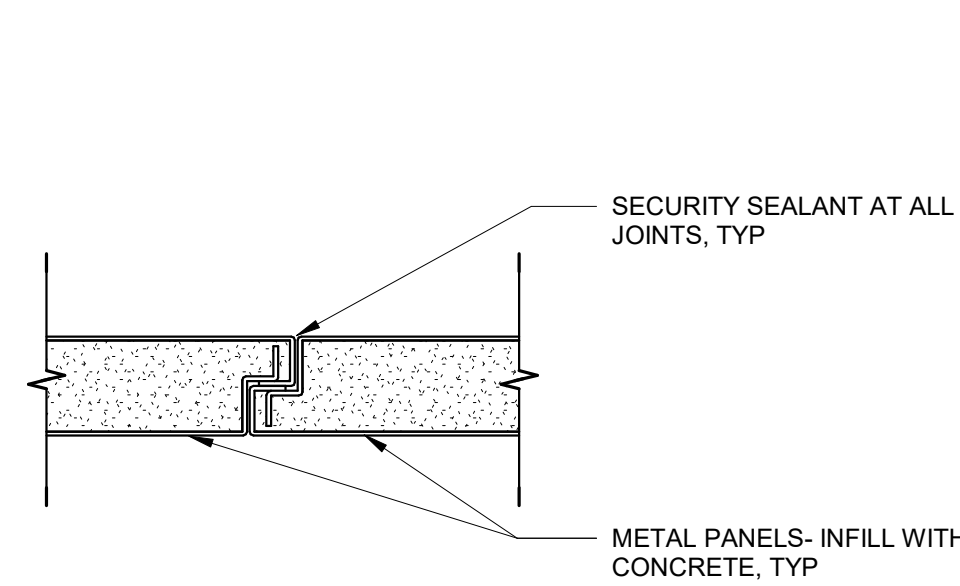
**6**  
EQ111 STRIKE JAMB  
3" = 1'-0"



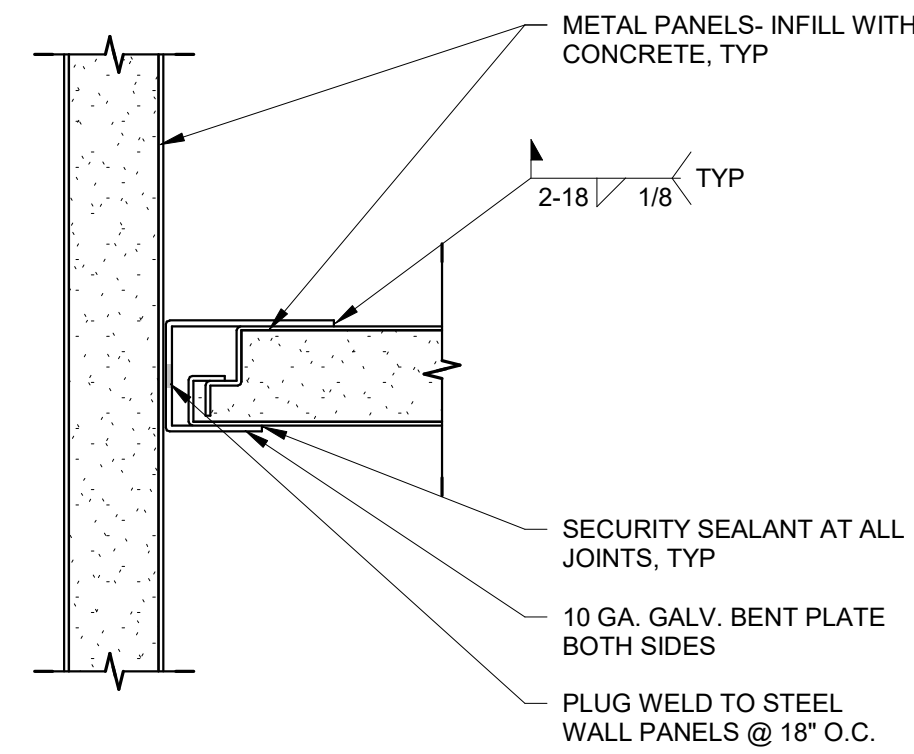
**7**  
EQ111 ACCESS PANEL  
3" = 1'-0"



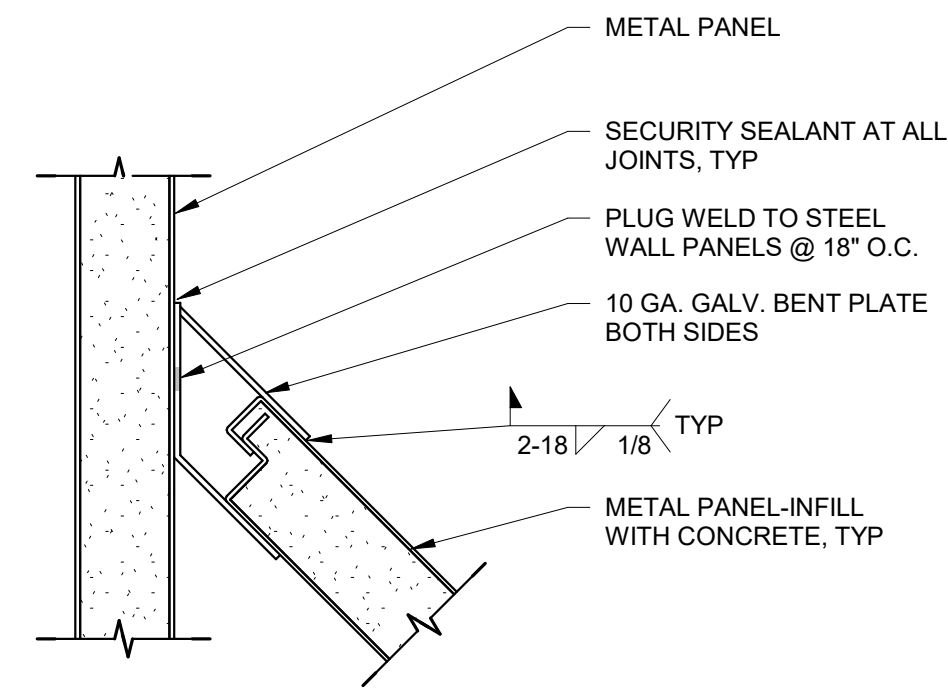
**8**  
EQ111 METAL WALL CORNER  
3" = 1'-0"



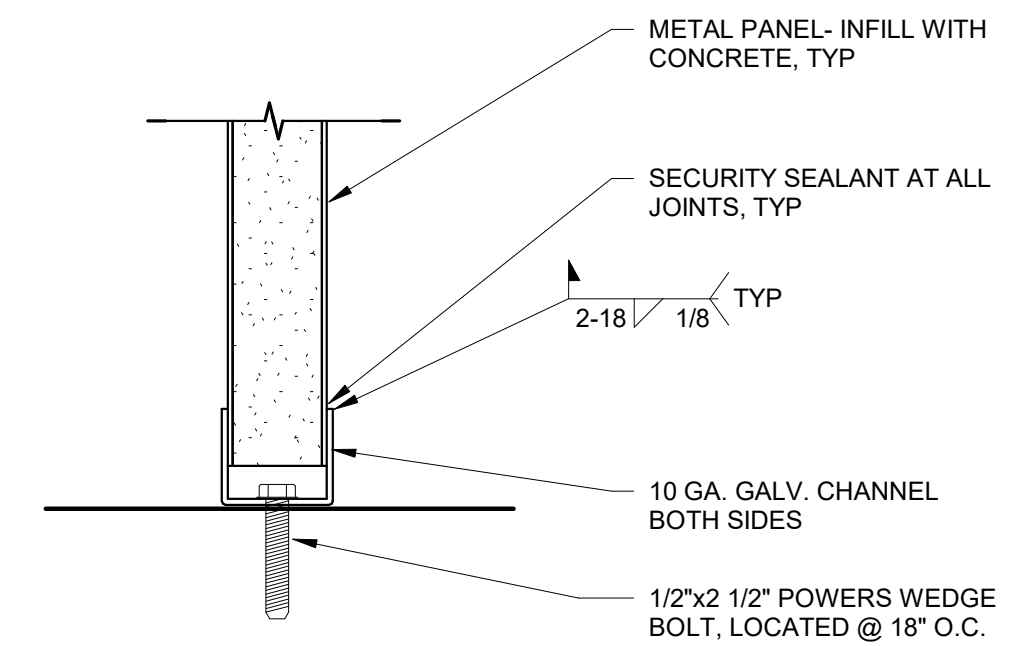
**9**  
EQ111 METAL WALL CONNECTION  
3" = 1'-0"



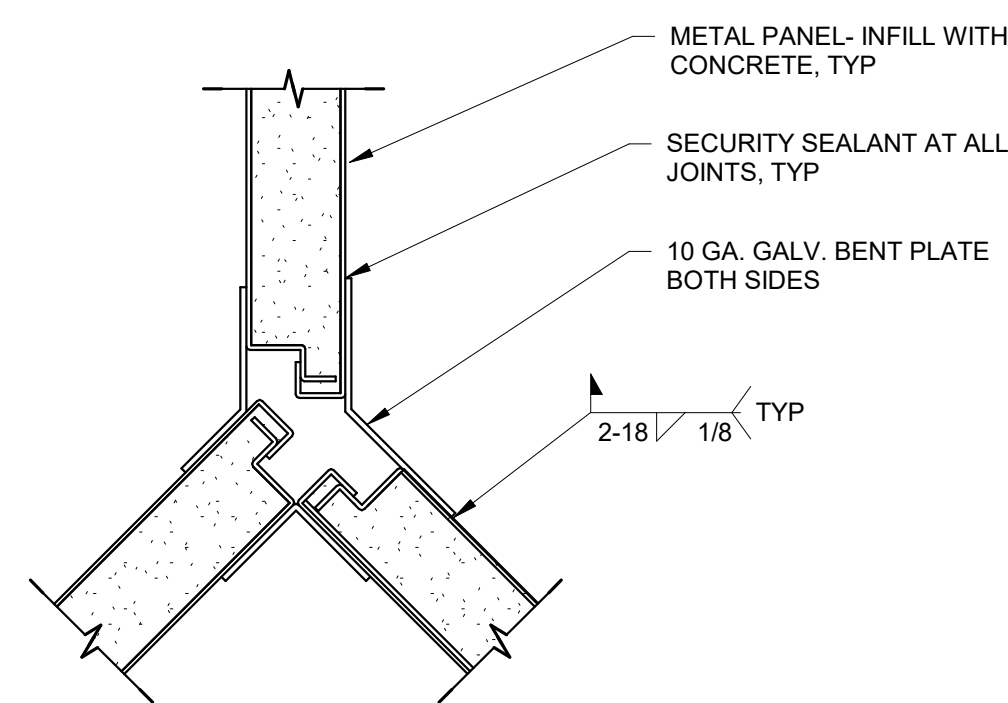
**10**  
EQ111 METAL WALL BUTT JOINT  
3" = 1'-0"



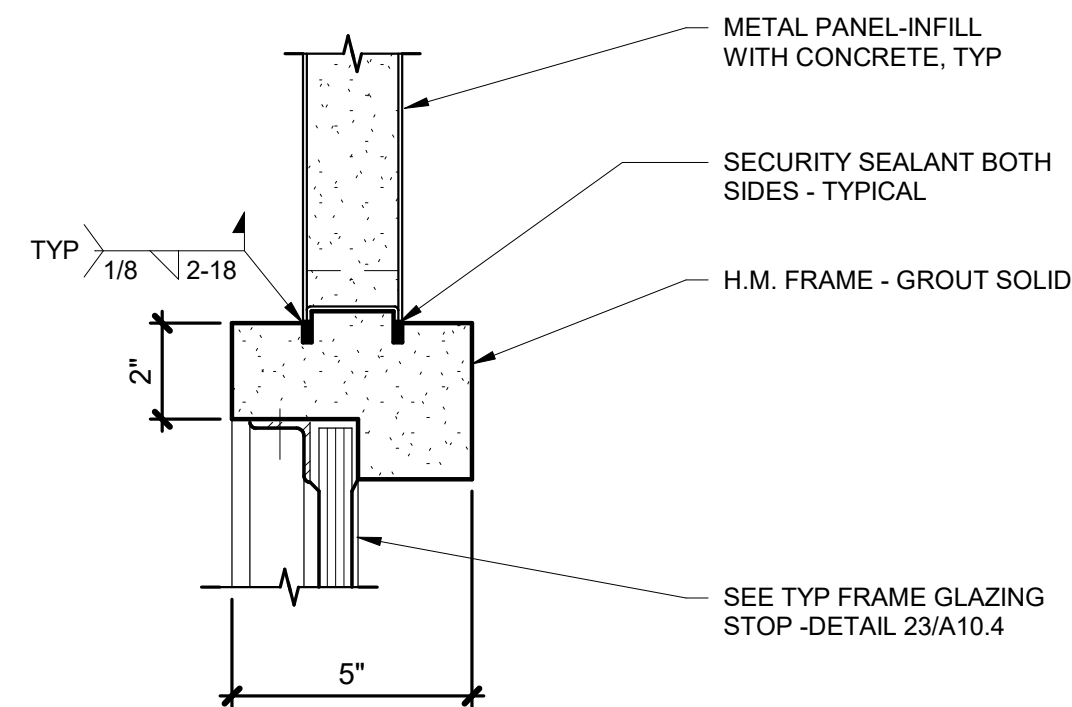
**11**  
EQ111 END COVERPLATE @45  
3" = 1'-0"



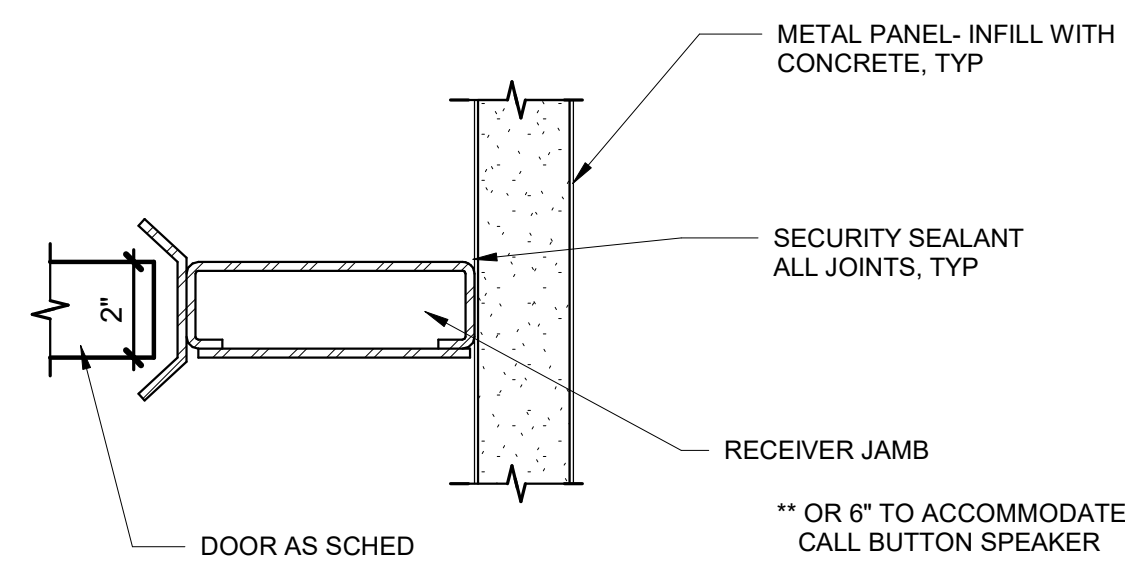
**12**  
EQ111 METAL WALL @ FLOOR  
3" = 1'-0"



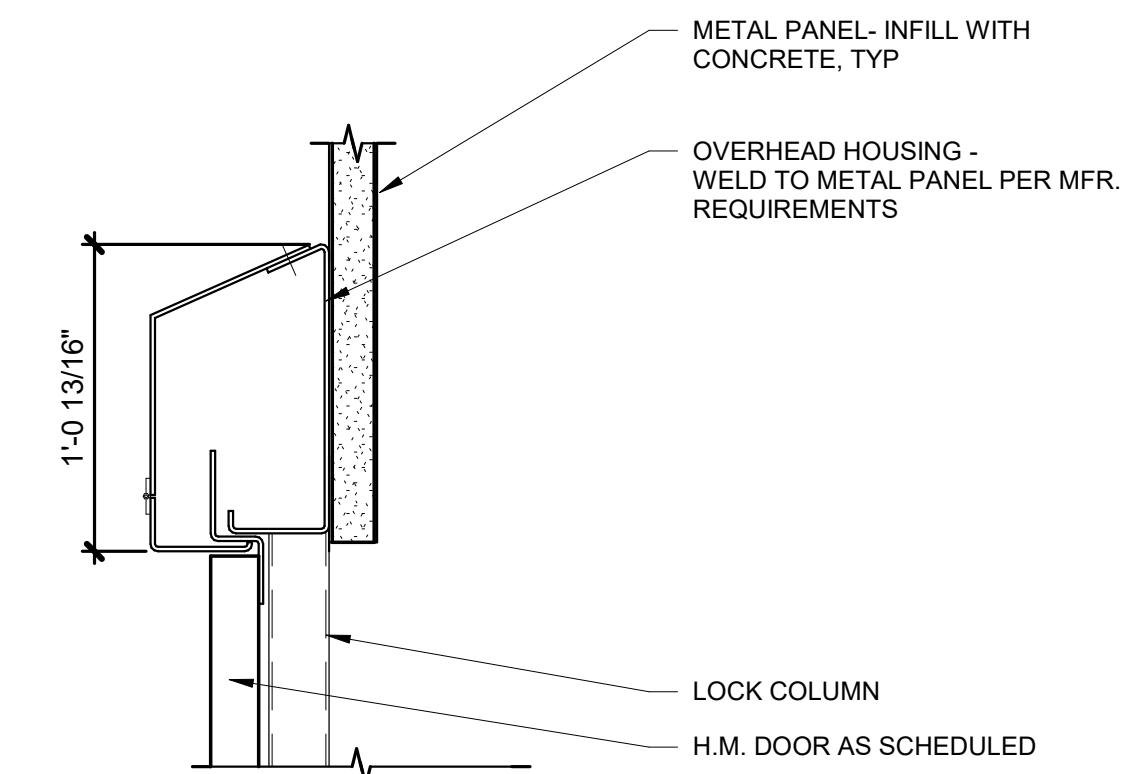
**13**  
EQ111 METAL WALL CHASE CORNER  
3" = 1'-0"



**14**  
EQ111 RELITE HEAD/JAMB  
3" = 1'-0"



**15**  
EQ111 RECEIVER JAMB  
3" = 1'-0"



**16**  
EQ111 OVER HEAD HOUSING  
1 1/2" = 1'-0"

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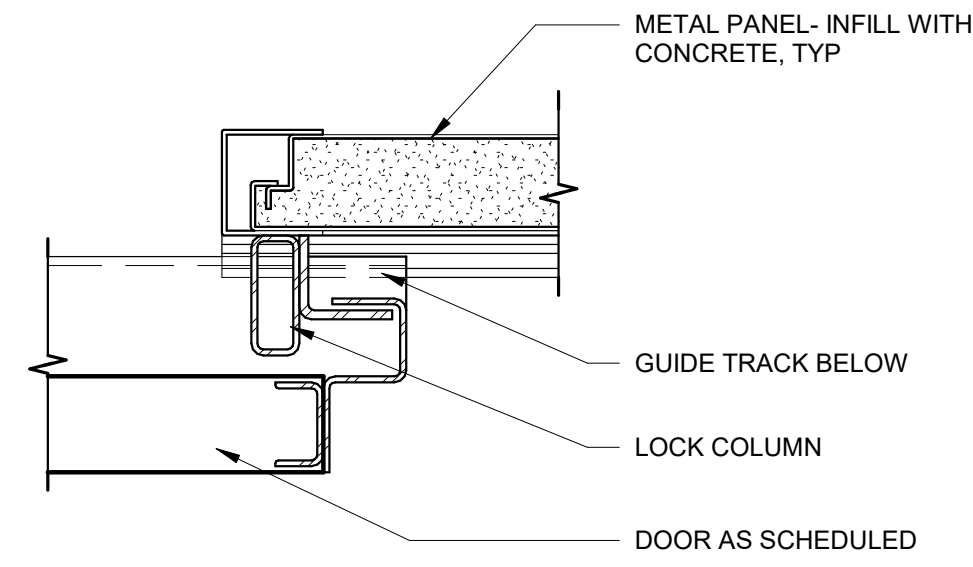
REVISION	DESCRIPTION	DATE

DETENTION DETAILS  
**EQ111**  
BETTISWORTH NORTH ARCHITECTS & PLANNERS

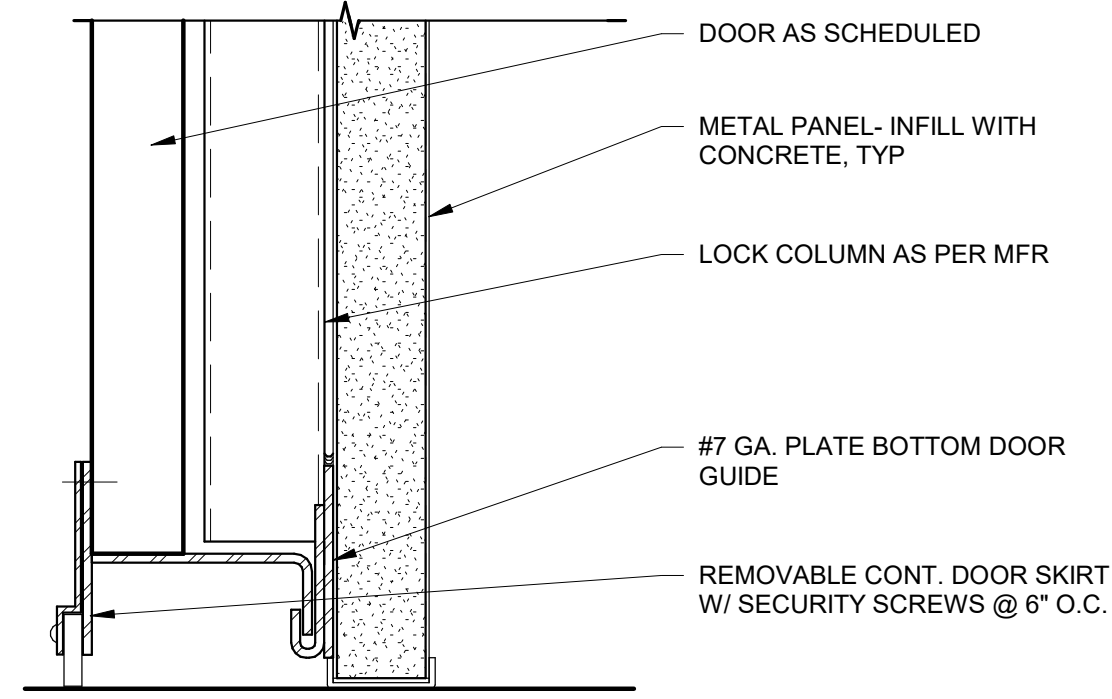
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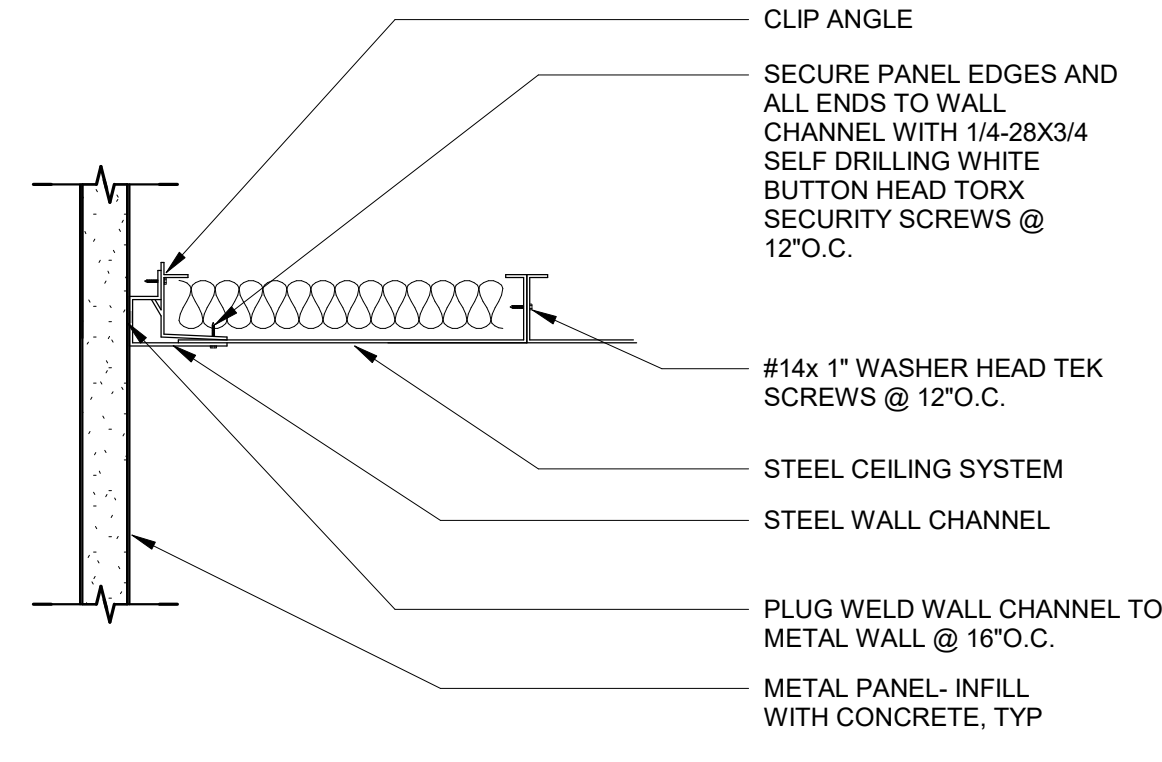
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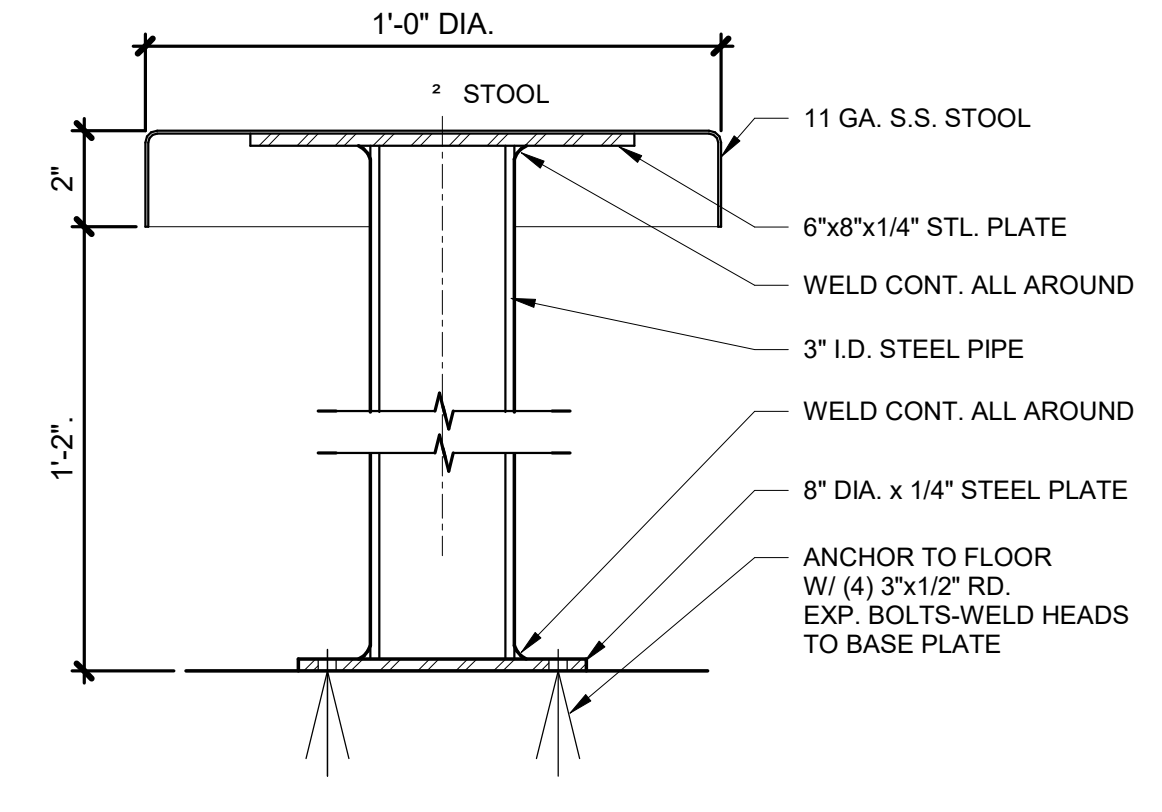
17 LOCK COLUMN  
EQ112 3" = 1'-0"



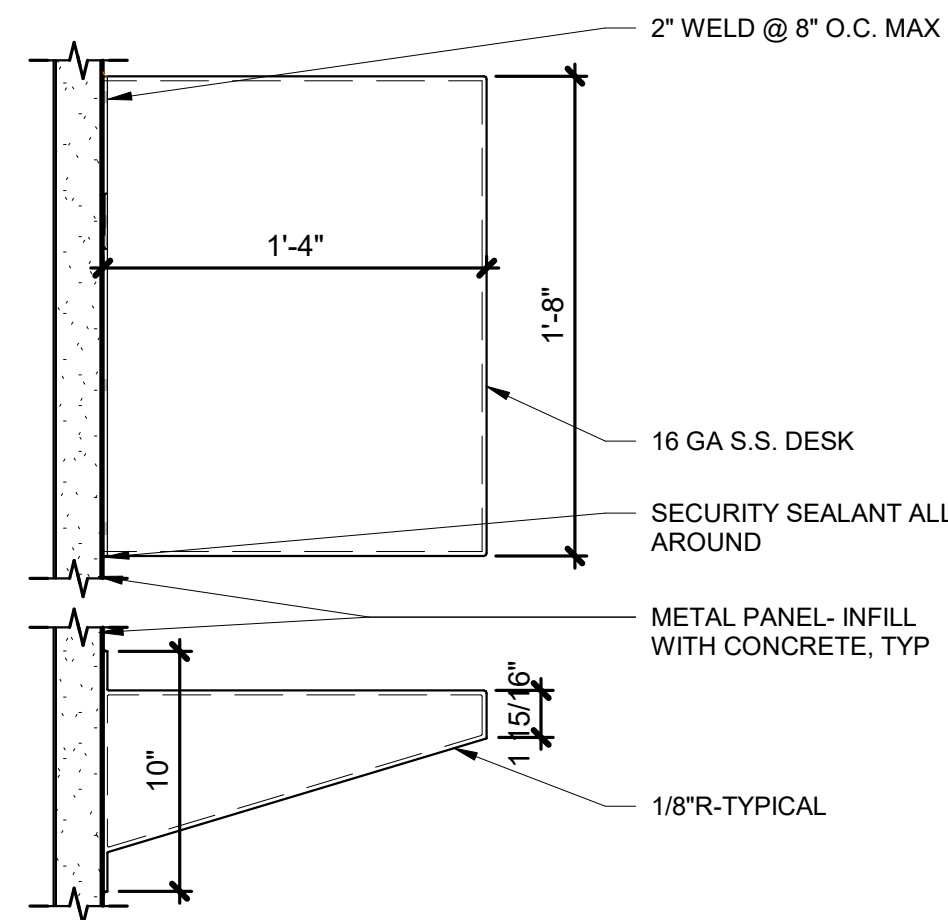
18 GUIDE TRACK  
EQ112 3" = 1'-0"



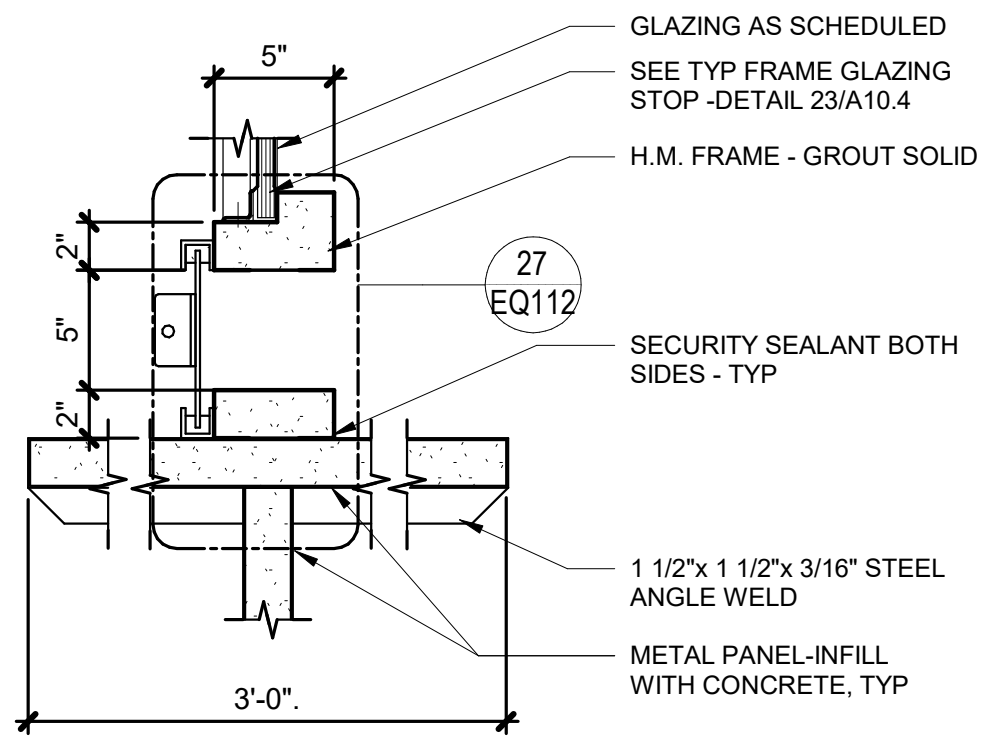
19 PERIMETER ANGLE  
EQ112 1 1/2" = 1'-0"



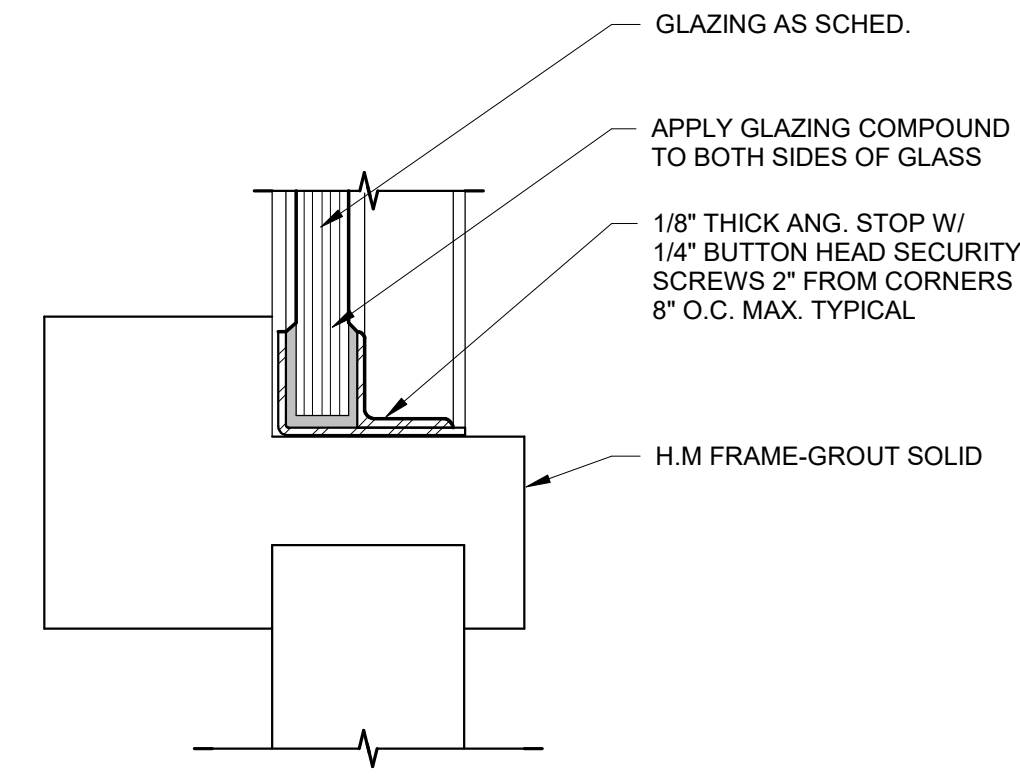
20 STEEL STOOL  
EQ112 3" = 1'-0"



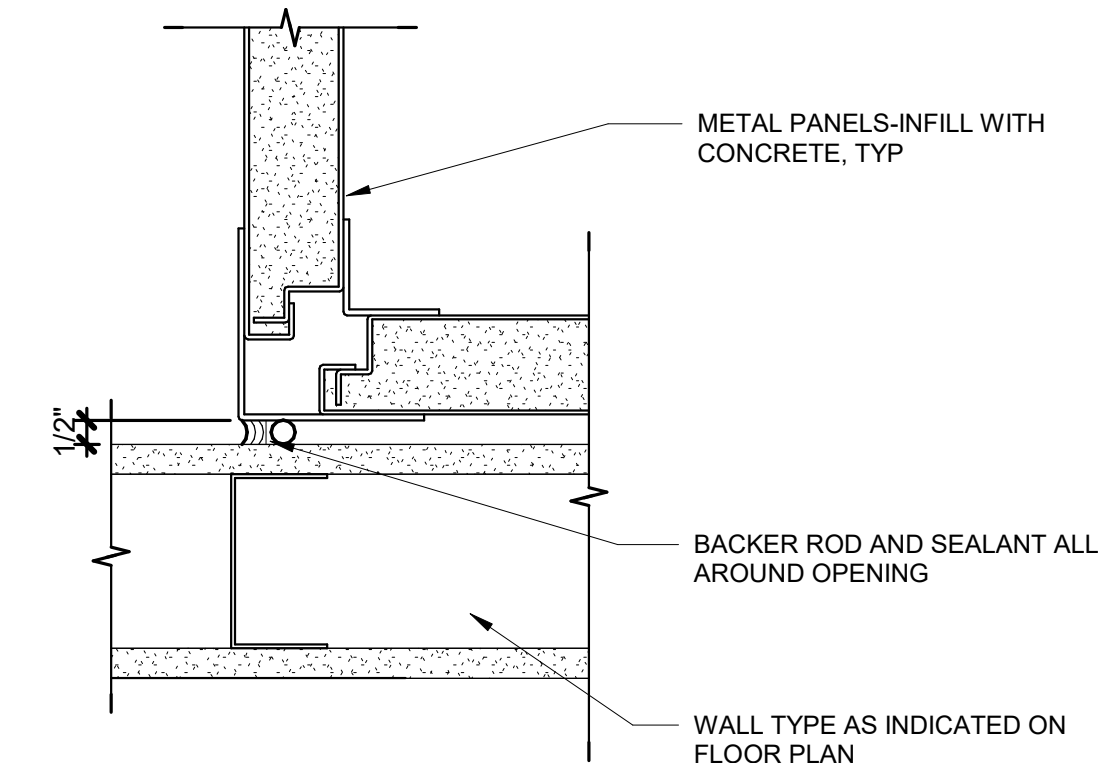
21 WALL MOUNTED DESK  
EQ112 1 1/2" = 1'-0"



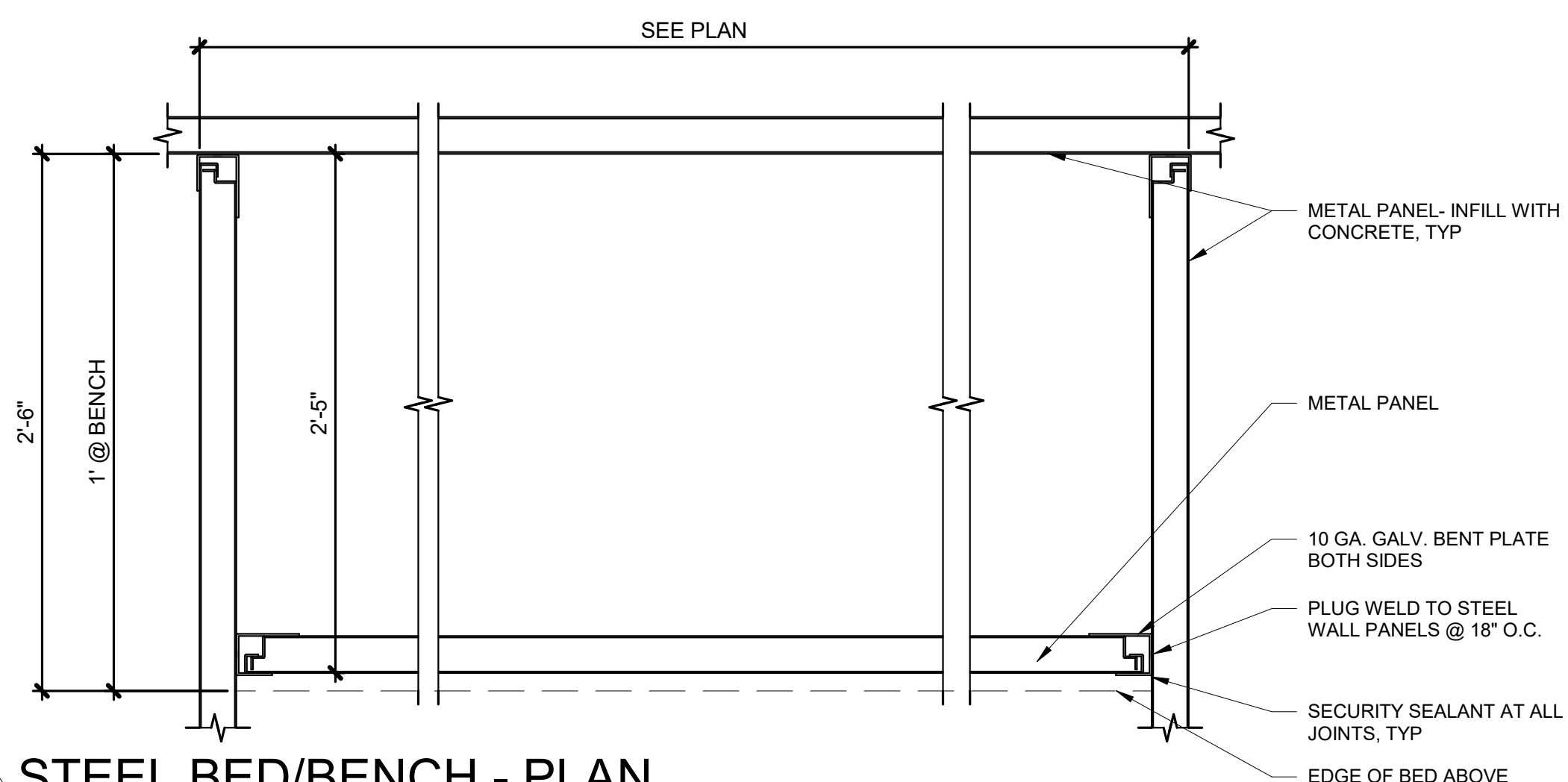
22 VISIT WINDOW  
EQ112 1 1/2" = 1'-0"



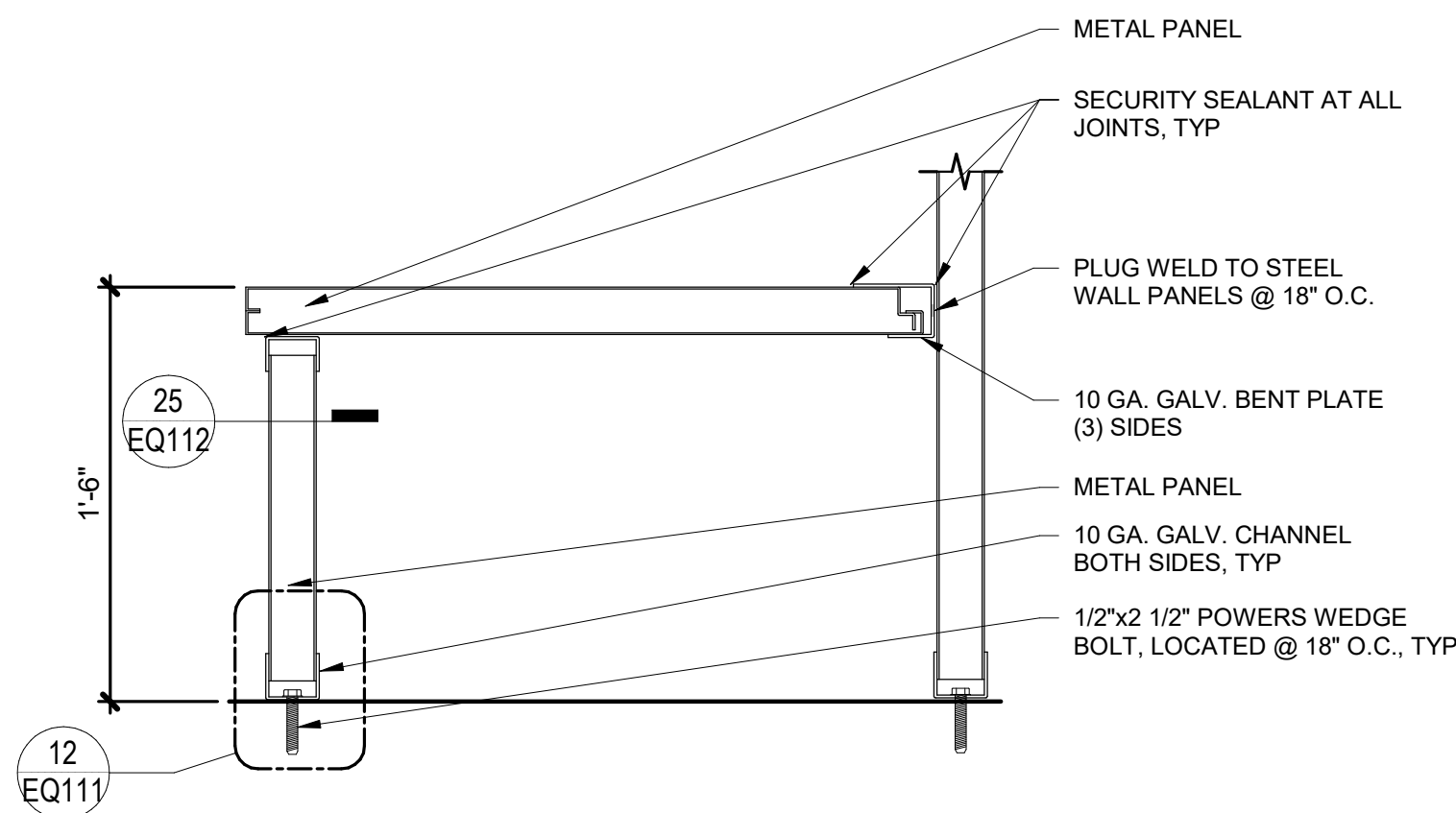
23 FRAME GLAZING STOP  
EQ112 6" = 1'-0"



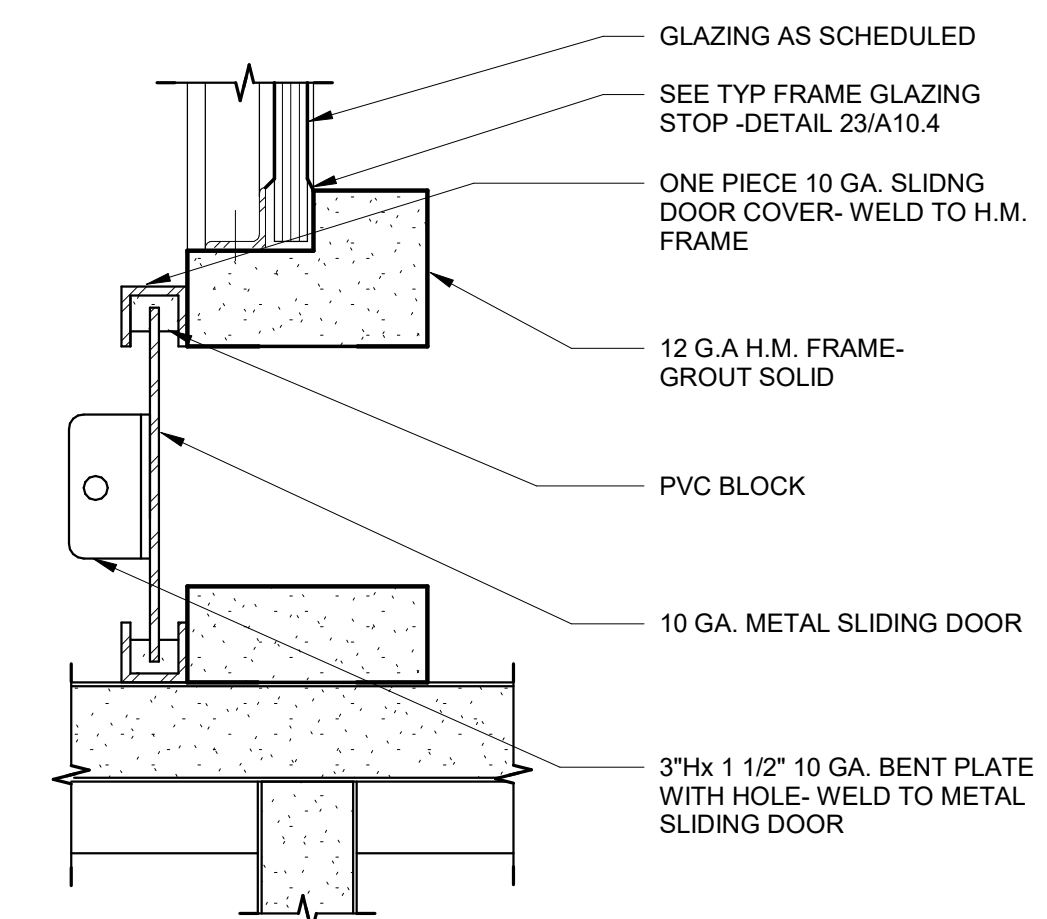
24 METAL/STUD WALL CONDITION  
EQ112 3" = 1'-0"



25 STEEL BED/BENCH - PLAN  
EQ112 1 1/2" = 1'-0"



26 STEEL BED/BENCH - SECTION  
EQ112 1 1/2" = 1'-0"



27 VISIT WINDOW  
EQ112 3" = 1'-0"

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DETENTION DETAILS

**EQ112**

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# GENERAL NOTES

THE FOLLOWING NOTES APPLY UNLESS INDICATED OTHERWISE:

**CODE:**

INTERNATIONAL BUILDING CODE, 2021 EDITION.

**GEOTECHNICAL:**

FOUNDATION DESIGN BASED ON GEOTECHNICAL REPORT BY PND ENGINEERS, DATED JULY 2022.

CAST STRUCTURAL SLAB ON GRADE OVER 6" THICK COMPACTED GRANULAR FILL OVER COMPACTED SUBGRADE. CONSULT CIVIL DRAWINGS FOR FOUNDATION AND EXCAVATION INFORMATION.

**DESIGN LOADS:**

BUILDING RISK CATEGORY	=	IV, ESSENTIAL FACILITIES
SNOW	=	Pg = 200 PSF, Pf = 168 PSF Ce = 1.0, Ct = 1.0, I = 1.2
SNOW DRIFT	=	PER ASCE 7-16
WIND	=	130 MPH 3-SECOND GUST EXPOSURE B (Gcpi) = 0.18, qh = 25 PSF

**MAIN WIND FORCE RESISTING SYSTEM:**

MAX WINDWARD PRESSURE AT WALLS	=	11 PSF
MAX LEEWARD SUCTION AT WALLS	=	7 PSF
MAX AT PARAPETS	=	38 PSF

**WALL COMPONENTS AND CLADDING:**

**ZONE 1, FLAT ROOF, AT LEAST 29'-0" FROM ROOF EDGE:**

SUCTION	=	27 PSF
PRESSURE	=	12 PSF
SUCTION AT OVERHANG	=	48 PSF

**ZONE 1, AT LEAST 15'-0" FROM ROOF EDGE**

SUCTION	=	48 PSF
PRESSURE	=	12 PSF
SUCTION AT OVERHANG	=	48 PSF

**ZONE 2, EAVE, WITHIN 15'-0" OF EDGE OF ROOF:**

SUCTION	=	63 PSF
PRESSURE	=	12 PSF
SUCTION AT OVERHANG	=	63 PSF

**ZONE 3, EAVE CORNER, WITHIN 15'-0" OF ROOF CORNER:**

SUCTION	=	86 PSF
PRESSURE	=	12 PSF
SUCTION AT OVERHANG	=	86 PSF

**ZONE 4, TYPICAL WALL:**

SUCTION	=	33 PSF
PRESSURE	=	30 PSF

**ZONE 5, WITHIN 10'-0" OF BUILDING CORNER:**

SUCTION	=	40 PSF
PRESSURE	=	30 PSF

**SEISMIC**

= BUILDING RISK CATEGORY IV  
SEISMIC DESIGN CATEGORY D  
SOIL SITE CLASS E, I = 1.5  
Ss = 1.09, S1 = 0.54, Sds = 0.87, Sd1 = 0.76  
BASIC SEISMIC FORCE RESISTING SYSTEM:  
SPECIAL STEEL CONCENTRICALLY BRACED FRAME  
R = 6, OMEGA = 2.0, Cs = 0.218  
STATIC BASE SHEAR = xxx K  
EQUIVALENT LATERAL FORCE ANALYSIS

**FOUNDATION PILING:**

STEEL PIPE PILES - 16" DIA. WITH 1/2" MINIMUM WALL THICKNESS PER ASTM A252, GRADE 2, Fy = 35 KSI. CONCRETE FILL fc = 4000 PSI, MAXIMUM W/C = .45, MINIMUM 6 SACKS OF CEMENT PER CUBIC YARD. SUBMIT MIX DESIGN. REINFORCING STEEL, DETAILS AND SUBMITTALS AS NOTED FOR REINFORCED CONCRETE.

DRIVE PILES CLOSED-ENDED, WITH CONICAL STEEL CLOSURE. DRIVE PILES SO TIP IS NO HIGHER THAN -95'-0" WITH RESPECT TO FINISH FLOOR ELEVATION OF 0'-0". PILE CUTOFF ELEVATION TO BE -4'-8" WITH RESPECT TO FINISH FLOOR ELEVATION OF 0'-0".

**CAPACITY OF 16" DIA PIPE PILES DRIVEN CLOSED-ENDED:**

NON-SEISMIC COMPRESSION	=	160 KIPS
SEISMIC COMPRESSION	=	195 KIPS
SEISMIC UPLIFT	=	70 KIPS
NON-SEISMIC UPLIFT	=	160 KIPS

CONSULT SOILS REPORT BY PND ENGINEERS, DATED JULY 2022, FOR FOUNDATION AND EXCAVATION INFORMATION.

SPECIAL INSPECTION REQUIRED. WAVE ANALYSIS TO BE PERFORMED DURING PILE DRIVING.

WELDERS SHALL BE AWS CERTIFIED FOR WELDING ON ASTM A252 MATERIAL.

**REINFORCED CONCRETE:**

ALL CONCRETE - fc = 4000 PSI, MAXIMUM W/C = 0.50. SUBMIT MIX DESIGN. SEE SPECIFICATIONS FOR ADMIXTURES. SPECIAL INSPECTION REQUIRED.

UNLESS OTHERWISE NOTED, REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. PROVIDE CLASS B SPLICE. SUBMIT REINFORCING STEEL SHOP DRAWINGS WITH DETAILS PER ACI 315 MANUAL OF STANDARD PRACTICE.

ASTM A706, GRADE 60, REINFORCING STEEL SHALL BE USED FOR WELDED OR FIELD-BENT BARS.

CONCRETE COVER:

FOOTINGS 3". PILE CAPS 3". SLABS ON GRADE SEE BELOW.

**SLABS ON GRADE:**

RIGIDLY SUPPORT BARS WITH CONCRETE BLOCKS OR APPROVED ACCESSORIES.

**PROVIDE SLAB REINFORCING AS FOLLOWS:**

6" SLAB ON GRADE, #6 @ 7" OC EACH WAY, PLACE NORTH-SOUTH REINFORCING FIRST WITH 2" BOT COVER.  
8" SLAB ON GRADE, #6 @ 7" OC EACH WAY, PLACE NORTH-SOUTH REINFORCING FIRST WITH 2" BOT COVER.  
12" SLAB ON GRADE, #8 @ 7" EACH WAY BOT, #6 @ 7" OC EACH WAY TOP, PLACE NORTH-SOUTH REINFORCING FIRST AND LAST. 2" BOTTOM COVER, 2 1/2" TOP COVER.

SLABS ON GRADE ARE STRUCTURAL DIAPHRAGMS AND ARE PART OF THE LATERAL FORCE RESISTING SYSTEM.

**WALLS:**

**REINFORCE AS FOLLOWS:**

8" WALLS, #5 @ 15" HORIZONTAL AND VERTICAL @ CENTER OF WALL,

AT OPENINGS OVER 12" SQUARE, PROVIDE 2-#5 BARS AT CENTER OF WALL ALL FOUR SIDES, EXCEPT 10" WALLS AND OVER PROVIDE 1-#6 BAR EACH FACE ALL FOUR SIDES, EXTENDING 40 DIA. PAST OPENING. PROVIDE 1-#5x4'-0" DIAGONAL BAR AT CENTER OF WALL ALL FOUR CORNERS.

AT CORNERS, PROVIDE CORNER BARS IN OUTSIDE FACE OF SAME SIZE AND SPACING AS HORIZONTAL BARS, 40 DIA. EACH LEG.

AT INTERSECTIONS, PROVIDE CORNER BARS OF SAME SIZE, NUMBER AND SPACING AS HORIZONTAL BARS OF INTERSECTING WALL, 40 DIA. EACH LEG.

PROVIDE 2-#5 LONGITUDINAL BARS AT TOP OF WALLS. PROVIDE ROUGHENED SURFACE AT CONSTRUCTION JOINTS.

PROVIDE VERTICAL DOWELS OF SAME SIZE, NUMBER AND SPACING AS VERTICAL BARS.

**GROUT:**

GROUT - 5000 PSI MINIMUM 7-DAY CUBE STRENGTH PER ASTM C1107. GROUT TO BE PREMIXED, NONMETALLIC, SHRINKAGE-RESISTANT GROUT PER ASTM C1107. USE SPECIFIC GROUT MIX RECOMMENDED BY MANUFACTURER FOR EACH GROUT APPLICATION AND FOLLOW MANUFACTURER'S INSTRUCTIONS.

**ANCHOR BOLTS:**

ANCHOR BOLTS, ASTM A307 OR F1554, GRADE 36 (**S5 - S1, 105**). EMBED HEADED END OR PROVIDE DOUBLE NUT OR SINGLE NUT WITH MARRED THREADS ABOVE AND BELOW NUT. WELDING, INCLUDING TACK WELDS, TO ANCHOR BOLTS IS NOT PERMITTED. SPECIAL INSPECTION REQUIRED. SET ALL ANCHOR BOLTS BY TEMPLATE.

**DRILL-IN EXPANSION ANCHORS:**

"KWIK BOLT TZ" BY HILTI FASTENING SYSTEMS OR APPROVED EQUAL. ICC-ES CERTIFICATION FOR SEISMIC RESISTANCE IN CRACKED CONCRETE REQUIRED. SPECIAL INSPECTION REQUIRED.

**DRILL-IN ADHESIVE ANCHORS:**

"HIT HY 200" ADHESIVE ANCHOR SYSTEM BY HILTI FASTENING SYSTEMS FOR CONCRETE OR APPROVED EQUAL. ICC-ES CERTIFICATION FOR SEISMIC RESISTANCE IN CRACKED CONCRETE REQUIRED. SPECIAL INSPECTION REQUIRED.

**CONCRETE SCREW ANCHORS:**

"KH-EZ" ANCHOR SYSTEM BY HILTI FASTENING SYSTEMS FOR CONCRETE OR APPROVED EQUAL. ICC-ES CERTIFICATION FOR SEISMIC LOAD RESISTANCE IN CRACKED CONCRETE REQUIRED. SPECIAL INSPECTION REQUIRED.

**STRUCTURAL STEEL:**

ALL STEEL ASTM A36, EXCEPT WIDE FLANGE SECTIONS TO BE ASTM A992, OR A572-50. TUBE SECTIONS TO BE ASTM A500 GRADE C, AND PIPE SECTIONS TO BE ASTM A53 TYPE E GRADE B. SPECIAL INSPECTION REQUIRED. FABRICATION AND ERECTION PER AISC SPECIFICATIONS. FABRICATOR SHALL PARTICIPATE IN AISC QUALITY CERTIFICATION PROGRAM AND BE DESIGNATED AN AISC CERTIFIED PLANT, CATEGORY BU. SUBMIT SHOP DRAWINGS.

WELDING PER AWS D1.1. MINIMUM SIZE WELDS 3/16" CONTINUOUS FILLET. WELDERS CERTIFIED PER AMERICAN WELDING SOCIETY FOR ROD AND POSITION. ELECTRODES SHALL BE E70XX MINIMUM, WITH MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LB AT -20 DEG F.

HIGH-STRENGTH BOLTS PER ASTM F3125 TYPE 1, GRADE A325 OR F1852 EXCEPT GRADE A490 OR F2280 WHERE NOTED. TYPICAL BOLTED CONNECTIONS -PRETENSIONED EXCEPT SLIP CRITICAL TYPE WHERE NOTED. FAYING SURFACES IN SLIP CRITICAL CONNECTIONS SHALL BE PREPARED AS REQUIRED FOR CLASS A OR BETTER SLIP CRITICAL JOINTS. TENSION HIGH-STRENGTH BOLTS BY DIRECT TENSION INDICATOR METHOD USING LOAD INDICATOR DEVICES INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

APPLY ONE COAT OF SHOP PAINT TO ALL STEEL EXCEPT FOR CONTACT SURFACES IN BOLTED PARTS, SURFACES EMBEDDED IN CONCRETE, AREAS TO BE FIELD WELDED OR SURFACES WITH SPRAY-ON FIREPROOFING.

HEADED SHEAR STUDS - SHEAR STUDS PER ASTM A108, GRADES 1010 THRU 1020, HEADED TYPE, AWS D1.1, TYPE B, AUTOMATICALLY END WELDED. USE 3/4" DIA. x 3 1/4" STUDS @ 12"OC MAXIMUM ON TOP OF ALL WIDE FLANGE FLOOR BEAMS AND GIRDERS SUPPORTING A CONCRETE SLAB.

CAMBER FLOOR BEAMS AS INDICATED IN PLAN. FLOOR AND ROOF BEAMS IN BRACED BAYS ARE NOT CAMBERED.

**STEEL JOISTS:**

Fy = 50 KSI. STEEL JOISTS AND GIRDERS DESIGNED, MANUFACTURED AND INSTALLED PER STEEL JOIST INSTITUTE SPECIFICATIONS. ICC-ES CERTIFICATION REQUIRED.

CHORD SIZES INDICATED ON PLANS ARE MINIMUM ONLY. NET ROOF DESIGN WIND UPLIFT (0.6D - 0.6W) TO BE 42 PSF MINIMUM, ASD. SUBMIT SHOP DRAWINGS STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN STATE OF ALASKA. PROVIDE BRIDGING AND ERECTION BRACING PER MANUFACTURER'S INSTRUCTIONS. PROVIDE STANDARD JOIST CAMBER.

IN ADDITION TO LOADS INDICATED, DESIGN JOISTS FOR THE FOLLOWING DOWNWARD LOAD OCCURRING AT ANY ONE PANEL POINT: 500 POUNDS AT EACH K JOIST AND 1,000 POUNDS AT EACH LH AND DLH JOIST.

**STEEL DECKING:**

STEEL DECKING DESIGNED, MANUFACTURED AND INSTALLED PER STEEL DECK INSTITUTE SPECIFICATIONS. ICC-ES CERTIFICATION REQUIRED. SUBMIT SHOP DRAWINGS. G60 GALVANIZED FINISH ON ALL DECKING.

**FLOOR DECKING:**

1 1/2" DP X 20 GA TYPE B COMPOSITE DECK, lmin = 0.219 IN4/FOOT, Smin = 0.230 IN3/FOOT.

FLOOR DECKING TO BE CONTINUOUS OVER 3 SPANS MINIMUM. DESIGN COMPOSITE FLOOR DECK AS A FORM PER AISI AND SDI SPECIFICATIONS AND PROVIDE EMBOSSEMENTS AND INDENTATIONS IN THE DECK TO DEVELOP COMPOSITE ACTION WITH THE CONCRETE FILL. REINFORCE WITH #3 AT 18" ON CENTER EACH WAY WITH 3/4" CLEAR COVER MEASURED FROM TOP OF SLAB.

FASTEN FLOOR DECK UNITS TO STEEL AT TRANSVERSE AND END SUPPORTS WITH 7/8" VISUAL DIAMETER SPOT WELDS AT 12" ON CENTER. FASTEN UNITS TO STEEL AT SIDE SUPPORTS WITH 7/8" VISUAL DIAMETER SPOT WELDS AT 18" ON CENTER. FASTEN SIDE LAPS OF ADJACENT UNITS WITH BUTTON PUNCH AT 24" ON CENTER. A WELDED HEADED STUD FULFILLS THE REQUIREMENT FOR A 7/8" VISUAL DIAMETER SPOT WELD.

**ROOF DECKING:**

1 1/2" DP X 18 GA TYPE B DECK, lmin = 0.302 IN4/FOOT, Smin = 0.314 IN3/FOOT.

ROOF DECKING TO BE CONTINUOUS OVER 3 SPANS MINIMUM. DIAPHRAGM SHEAR CAPACITY - \_\_ PLF. ANCHOR TO SUPPORTS TO RESIST A 50 PSF UPLIFT, ASD.

FASTEN ROOF DECK UNITS TO STEEL AT TRANSVERSE AND END SUPPORTS WITH 7/8" VISUAL DIAMETER SPOT WELDS AT \_\_" ON CENTER. FASTEN UNITS TO STEEL AT SIDE SUPPORTS WITH 7/8" VISUAL DIAMETER SPOT WELDS AT \_\_" ON CENTER. FASTEN SIDE LAPS OF ADJACENT UNITS WITH BUTTON PUNCH AT \_\_" ON CENTER.

PROVIDE ADDITIONAL STEEL REINFORCEMENT AND CLOSURE PIECES AS REQUIRED FOR STRENGTH, CONTINUITY OF DECKING AND SUPPORT OF OTHER WORK.

**COLD-FORMED STEEL FRAMING:**

GALVANIZED STEEL SHALL BE ASTM A653 FOR NON-LOAD BEARING STUDS AND ASTM A1003 FOR LOAD BEARING STUDS, Fy = 50 KSI, EXCEPT 43 MIL AND LIGHTER SHALL BE Fy = 33 KSI. DESIGN ALL STUDS AND OTHER STRUCTURAL MEMBERS IN ACCORDANCE WITH AISI SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.

**MISCELLANEOUS:**

DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER.

REFER TO ARCHITECTURAL DRAWINGS FOR WALL OPENINGS, ARCHITECTURAL TREATMENT AND DIMENSIONS NOT SHOWN.

REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF DUCT OPENINGS, PIPING, CONDUITS, ETC, NOT SHOWN.

SHOP DRAWINGS SHALL BE SUBMITTED AND REVIEWED PRIOR TO FABRICATION.

PROVIDE TEMPORARY ERECTION BRACING AND SHORING AS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.

REFER TO SPECIFICATIONS FOR INFORMATION NOT CONTAINED IN THESE GENERAL NOTES.

T C A

architecture • planning

BETTISWORTH NORTH

CORPORATE NO. AEC0219 BETTISWORTHNORTH.COM

HAINES BOROUGH  
HAINES COMMUNITY SAFETY AND  
TRAINING CENTER  
HAINES, ALASKA

65% PRICING SET

CONSULTANT:



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Corporate Authorization No: C725

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: REB  
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GENERAL NOTES  
**S001**

BETTISWORTH NORTH ARCHITECTS & PLANNERS

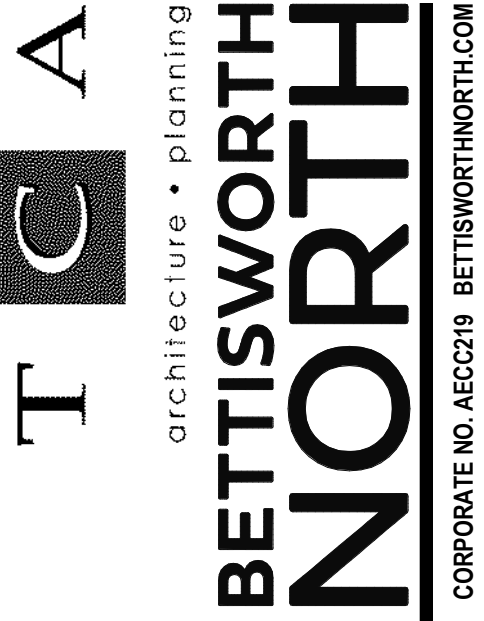
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### TYPICAL ABBREVIATIONS

(A)	ABOVE	FD	FLOOR DRAIN	P/C	PRECAST
AB	ANCHOR BOLT	FDN	FOUNDATION	PEMB	PRE-ENGINEERED METAL BUILDING
ACI	AMERICAN CONCRETE INSTITUTE	FIN	FINISH, FINISHED	PERP	PERPENDICULAR
ADDL	ADDITIONAL	FF	FINISHED FLOOR	PJ	PANEL JOINT
ADJ	ADJACENT	FLG	FLANGE	PL	PLATE (STEEL OR WOOD)
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	FLR	FLOOR	PLCS	PLACES
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FOS	FACE OF STUDS	PLWD	PLYWOOD
AISI	AMERICAN IRON AND STEEL INSTITUTE	FRP	FIRE RESISTANT TREATED PLYWOOD	PP	PARTIAL PENETRATION
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION	FRT	FIRE RESISTANT TREATED (LUMBER)	PSF	POUNDS PER SQUARE FOOT
ALT	ALTERNATE	FS	FINISH SLAB ELEVATION, FAR SIDE	PSI	POUNDS PER SQUARE INCH
ALUM	ALUMINUM	FT OR '	FOOT, FEET	PSL	PARALLEL STRAND LUMBER
ARCH	ARCHITECT, ARCHITECTURAL	FTG	FOOTING	PT	PRESSURE TREATED
@	AT	FV	FIELD VERIFY	P/T	POST TENSION
APPROX	APPROXIMATELY			PVC	POLYVINYL CHLORIDE
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	GA	GAUGE, GAGE	R	RADIUS
ASTM	AMERICAN SOCIETY FOR TESTING MATERIAL	GALV	GALVANIZED	RD	ROOF DRAIN, ROUND
AWS	AMERICAN WELDING SOCIETY	GEN	GENERAL	REF	REFERENCE
&	AND	GL	GLUE LAMINATED	REINF	REINFORCING, REINFORCEMENT, REINFORCED
		GWB	GYP SUM WALL BOARD	REQD	REQUIRED
		GYP	GYP SUM	RO	ROUGH OPENING
(B)	BELOW	HDG	HOT DIPPED GALVANIZED	RS	RING SHANK
BD	BOARD	HORIZ	HORIZONTAL	S	AMERICAN STANDARD STEEL SHAPE, SOUTH
BLDG	BUILDING	HP	HP STEEL SHAPE	SCHED	SCHEDULE
BLK	BLOCK	HSB	HIGH STRENGTH BOLT	SEC	SECTION
BLKG	BLOCKING	HSS	HOLLOW STRUCTURAL SECTION	SHT	SHEET
BOD	BOTTOM OF DECK ELEVATION	HT	HEIGHT	SHTG	SHEETING
BM	BEAM	IBC	INTERNATIONAL BUILDING CODE	SHTHG	SHEATHING
BOT	BOTTOM	ID	INSIDE DIAMETER	SIM	SIMILAR
BRG	BEARING	IF	INSIDE FACE	SIP	STRUCTURAL INSULATED PANEL
BRK	BRICK	IMP	INSULATED METAL PANEL	SLBB	SHORT LEGS BACK TO BACK
BSMT	BASEMENT	IN OR *	INCH	SMS	SHEET METAL SCREWS
BTWN	BETWEEN	INCL	INCLUDE	SOG	CONCRETE SLAB ON GRADE
		INSUL	INSULATION, INSULATED, INSULATE	SPA	SPACE, SPACING, SPACES
		INT	INTERIOR	SPEC	SPECIFICATION
C	AMERICAN CHANNELS	JT	JOINT	SQ	SQUARE
CG	CENTER OF GRAVITY	JST	JOIST	SS	STAINLESS STEEL
CJ	CONSTRUCTION JOINT	K	KIP, KIPS	SSL	SHORT SLOTTED HOLES
CIP	CAST-IN-PLACE	KSI	KIPS PER SQUARE INCH	ST	STRUCTURAL T FROM S SERIES SECTION
CL	CENTER LINE			STD	STANDARD
CJP	COMPLETE JOINT PENETRATION	LB OR #	POUND	STIFF	STIFFENER
CLR	CLEAR	LLBB	LONG LEG BACK TO BACK	STL	STEEL
CMP	CORRUGATED METAL PIPE	LLH	LONG LEGS HORIZONTAL	STRUCT	STRUCTURAL
CMU	CONCRETE MASONRY UNIT	LLV	LONG LEGS VERTICAL	SUPT	SUPPORT
CO	CLEANOUT, CONCRETE OPENING	LONGIT	LONGITUDINAL	SUSP	SUSPENDED
COL	COLUMN	LSL	LONG SLOTTED HOLES	SYMM	SYMMETRICAL
CONC	CONCRETE	LT	LIGHT	T	TOP
CONN	CONNECTION	LT WT	LIGHT WEIGHT	T&G	TONGUE AND GROOVE
CONSTR	CONSTRUCTION	L	ANGLE	TEMP	TEMPERATURE, TEMPORARY
CONT	CONTINUOUS	LVF	LOW VELOCITY FASTENERS	THK	THICK
CONTR	CONTRACTOR	LVL	LAMINATED VENEER LUMBER	THRU	THROUGH
CSA	CONCRETE SCREW ANCHOR	M	MISCELLANEOUS SHAPE	TOB	TOP OF BEAM ELEVATION
CTJ	CONTROL JOINT, CONTRACTION JOINT	MATL	MATERIAL	TOC	TOP OF CONCRETE ELEVATION, TOP OF CMU ELEVATION
CTR	CENTER	MAX	MAXIMUM	TOF	TOP OF FOOTING ELEVATION
CU	CUBIC	MC	MISCELLANEOUS CHANNEL SECTION	TOS	TOP OF STEEL ELEVATION
		MECH	MECHANICAL	TOSH	TOP OF SHEATHING ELEVATION
DBL	DOUBLE	MFR	MANUFACTURER	TOW	TOP OF WALL ELEVATION
DEPT	DEPARTMENT	MFRG	MANUFACTURING	TP	TOP OF PAVEMENT
DET	DETAIL	MIN	MINIMUM	TRANS	TRANSVERSE
DIA, Ø	DIAMETER	MISC	MISCELLANEOUS	TS	STRUCTURAL TUBE
DIAA	DRILLED-IN ADHESIVE ANCHOR	MT	STRUCTURAL TEE FROM M SERIES SECTION	TYP	TYPICAL
DIAB	DRILLED-IN ADHESIVE BOLT	MTL	METAL	UL	UNDERWRITERS LABORATORY
DIAG	DIAGONAL	N	NORTH	UON	UNLESS OTHERWISE NOTED
DIAPH	DIAPHRAGM	NDT	NON-DESTRUCTIVE TESTING	UT	ULTRASONIC TEST
DIEB	DRILLED-IN EXPANSION BOLT	NF	NEAR FACE	VERT	VERTICAL
DIM	DIMENSION	NIC	NOT IN CONTRACT	W	WEST, W SERIES SECTION
DN	DOWN	No OR #	NUMBER	W/	WITH
do	DITTO	NOM	NOMINAL	W/O	WITHOUT
DP	DEEP	NS	NEAR SIDE	WD	WOOD
DWG	DRAWING	NTS	NOT TO SCALE	WHS	WELDED HEADED STUD
DWL	DOWEL	OC	ON CENTER	WP	WORK POINT
		OD	OUTSIDE DIAMETER	WT	WEIGHT, STRUCTURAL TEE FROM W SERIES SECTION
E	EAST	OF	OUTSIDE FACE	WWF	WELDED WIRE FABRIC
EA	EACH	OPNG	OPENING	YD	YARD
EF	EACH FACE	OPP	OPPOSITE		
EL	ELEVATION (HEIGHT)	OSB	ORIENTED STRAND BOARD		
ELEC	ELECTRICAL	OVS	OVERSIZED		
ELEV	ELEVATOR				
ENGR	ENGINEER				
EOD	EDGE OF DECK				
EQ	EQUAL				
EQUIP	EQUIPMENT				
ES	EACH SIDE				
EW	EACH WAY				
EXIST, (E)	EXISTING				
EXP	EXPANSION				
EXT	EXTERIOR				



HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
 HAINES, ALASKA

CONSULTANT:

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 Corporate Authorization No: C725

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GENERAL NOTES

**S002**

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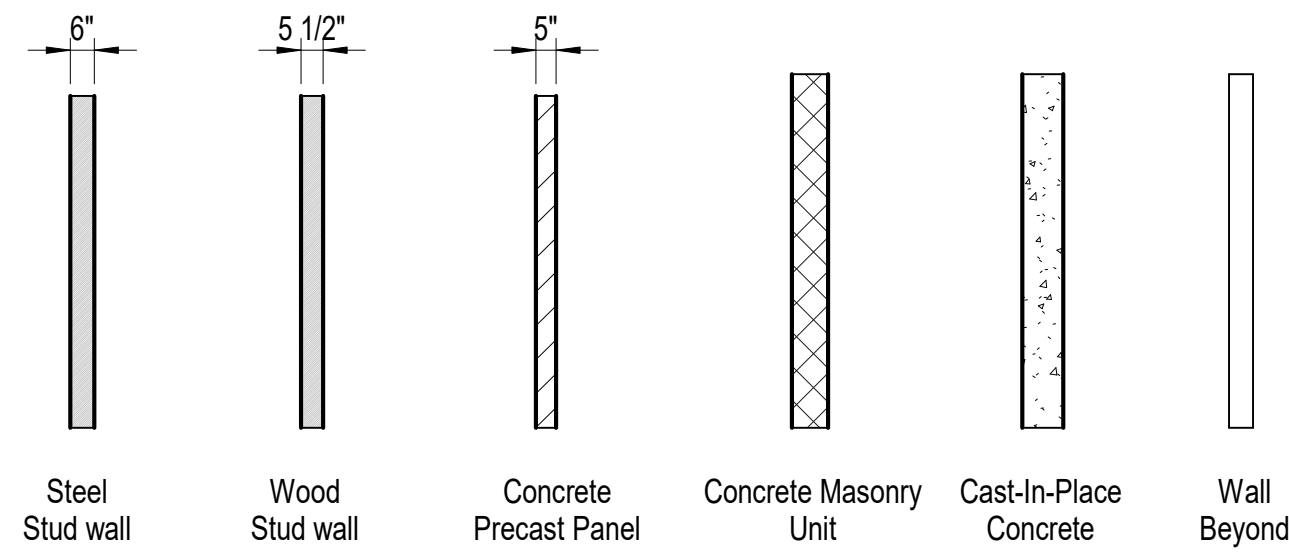
CORPORATE NO. AEC0219 BETTISWORTH.COM

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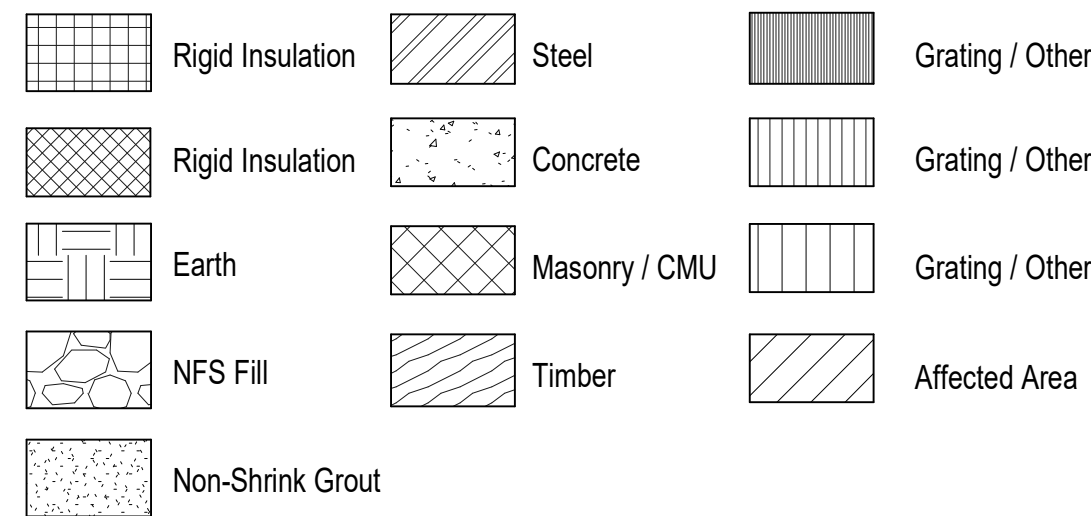
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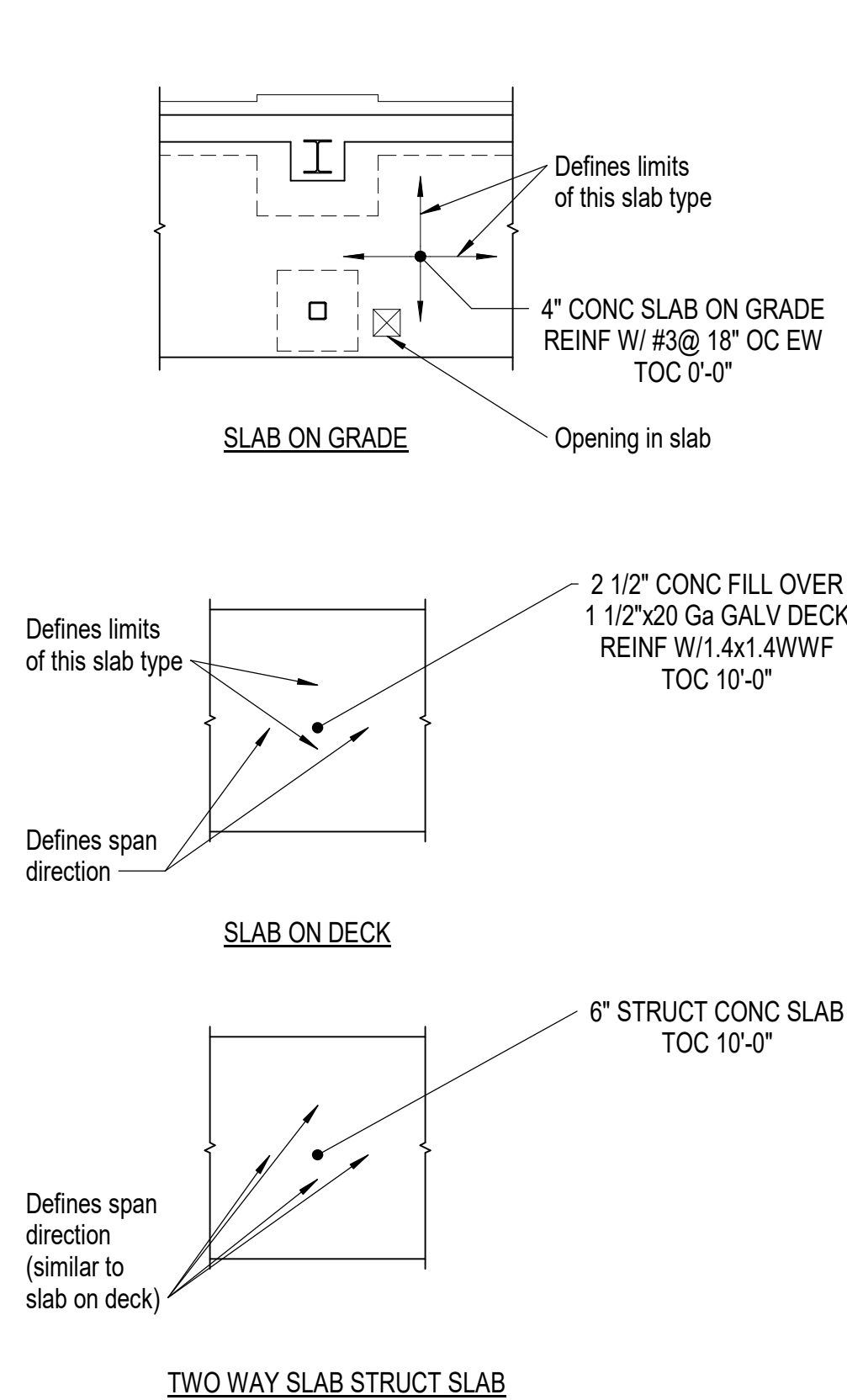
### Wall Types



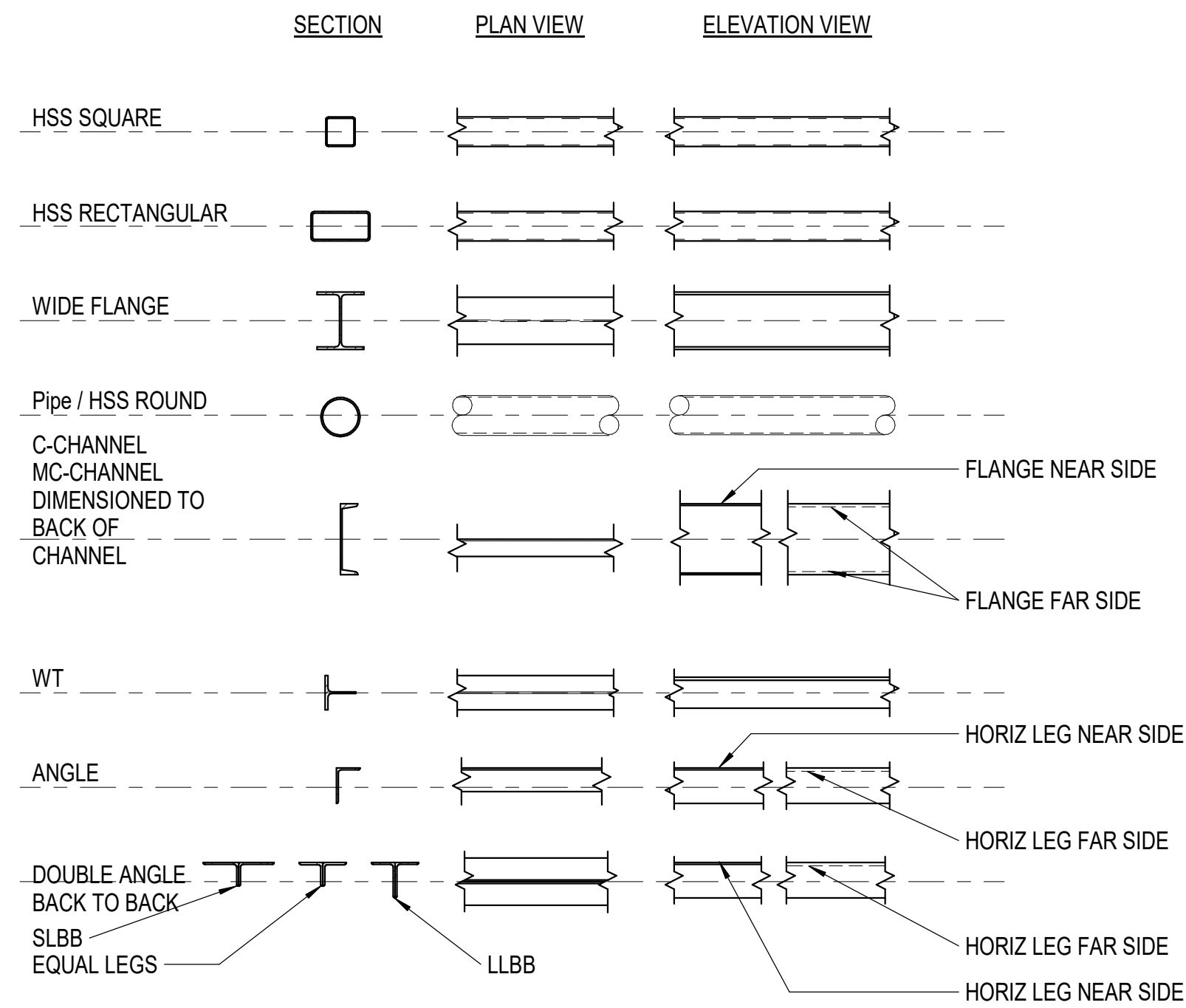
### Material Types



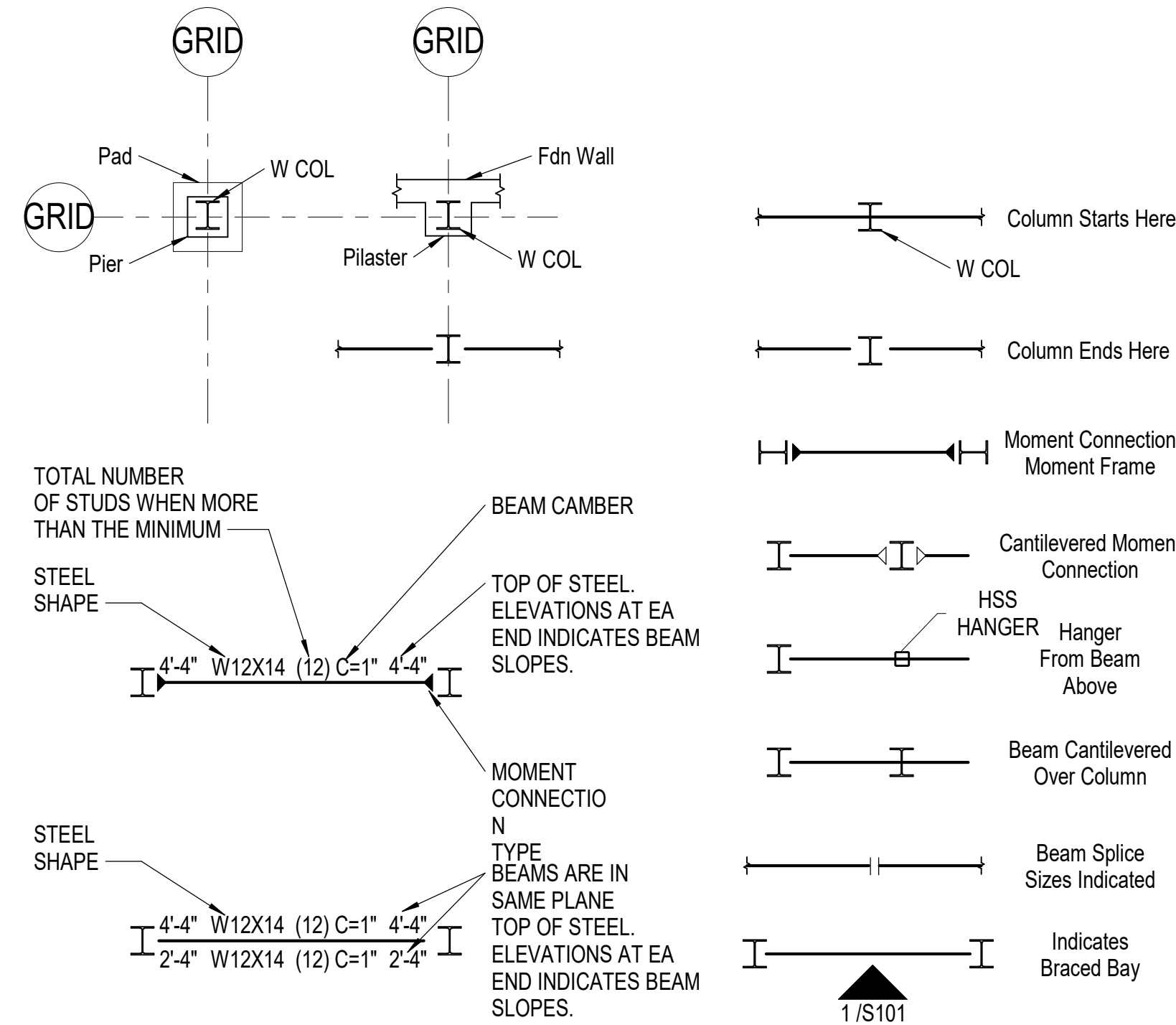
### Slab / Deck Annotations Symbols



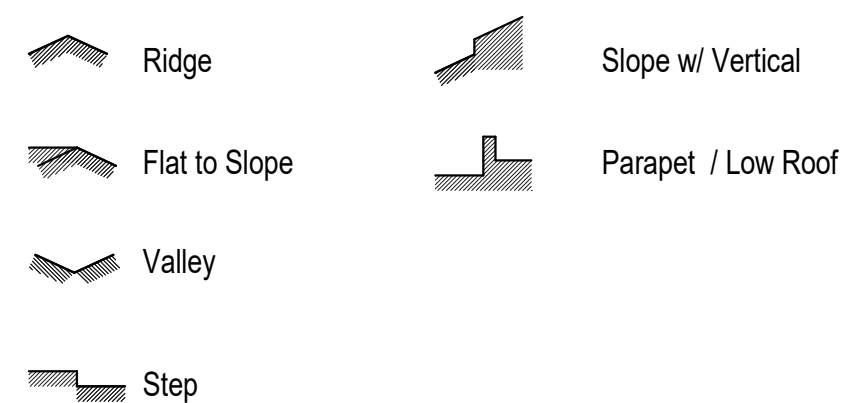
### Steel Members



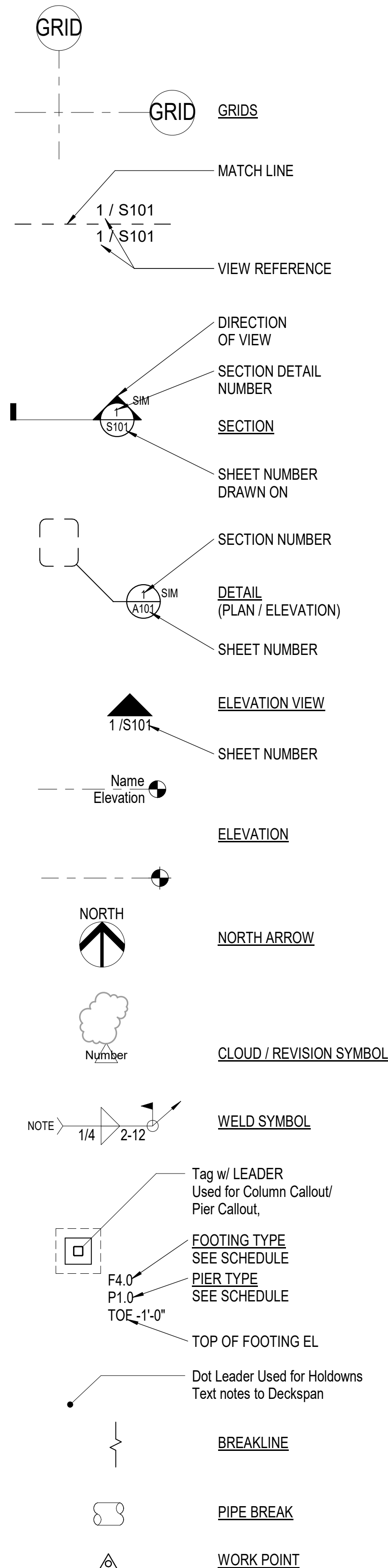
### Steel Symbols (Plan View)



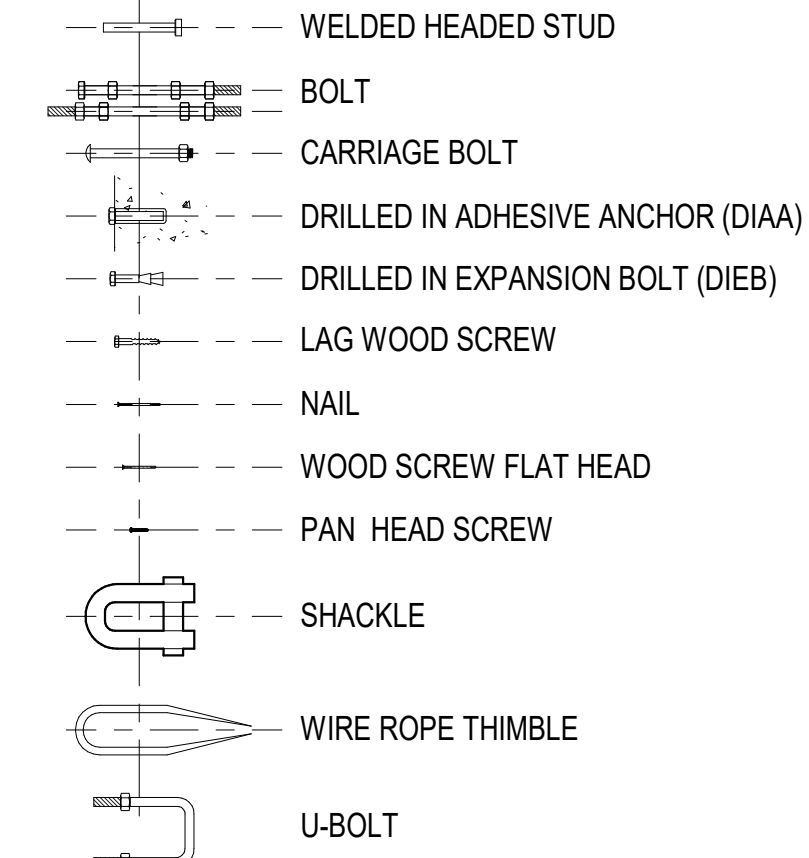
### Deck Elevation Changes (Plan View)



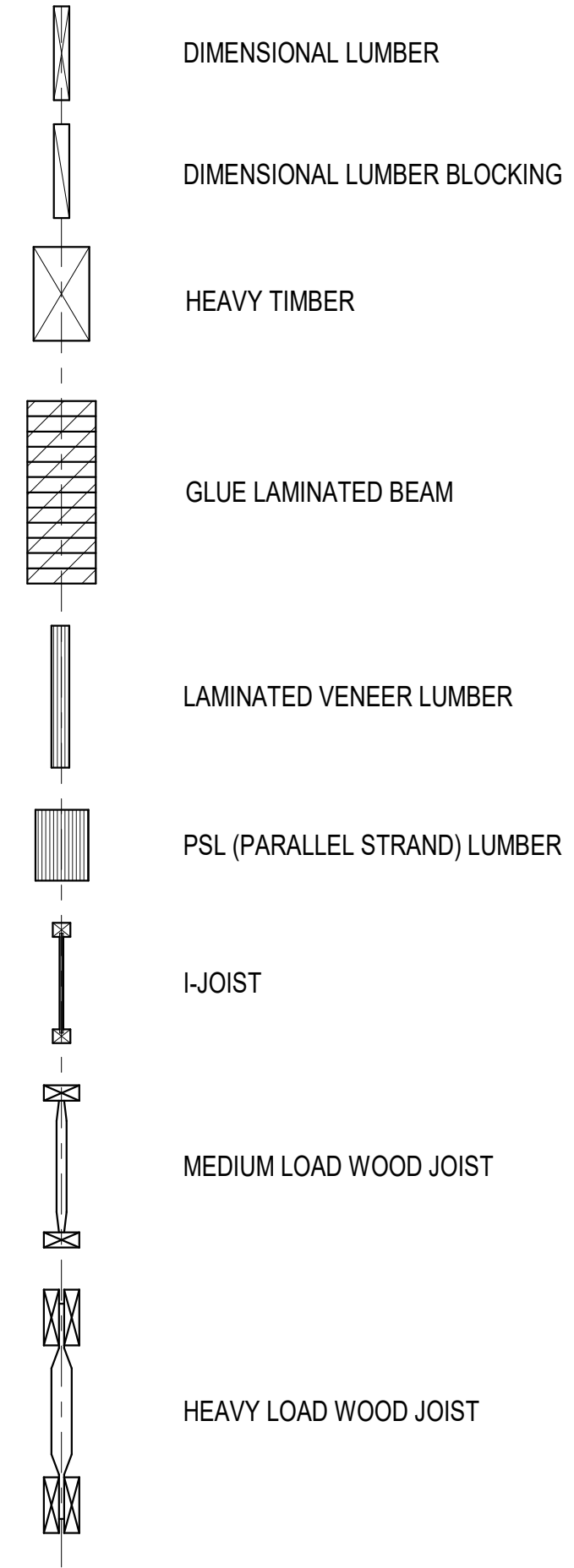
### Annotations



### FASTENERS / ANCHORS



### WOOD SHAPES



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LEGEND  
**S004**

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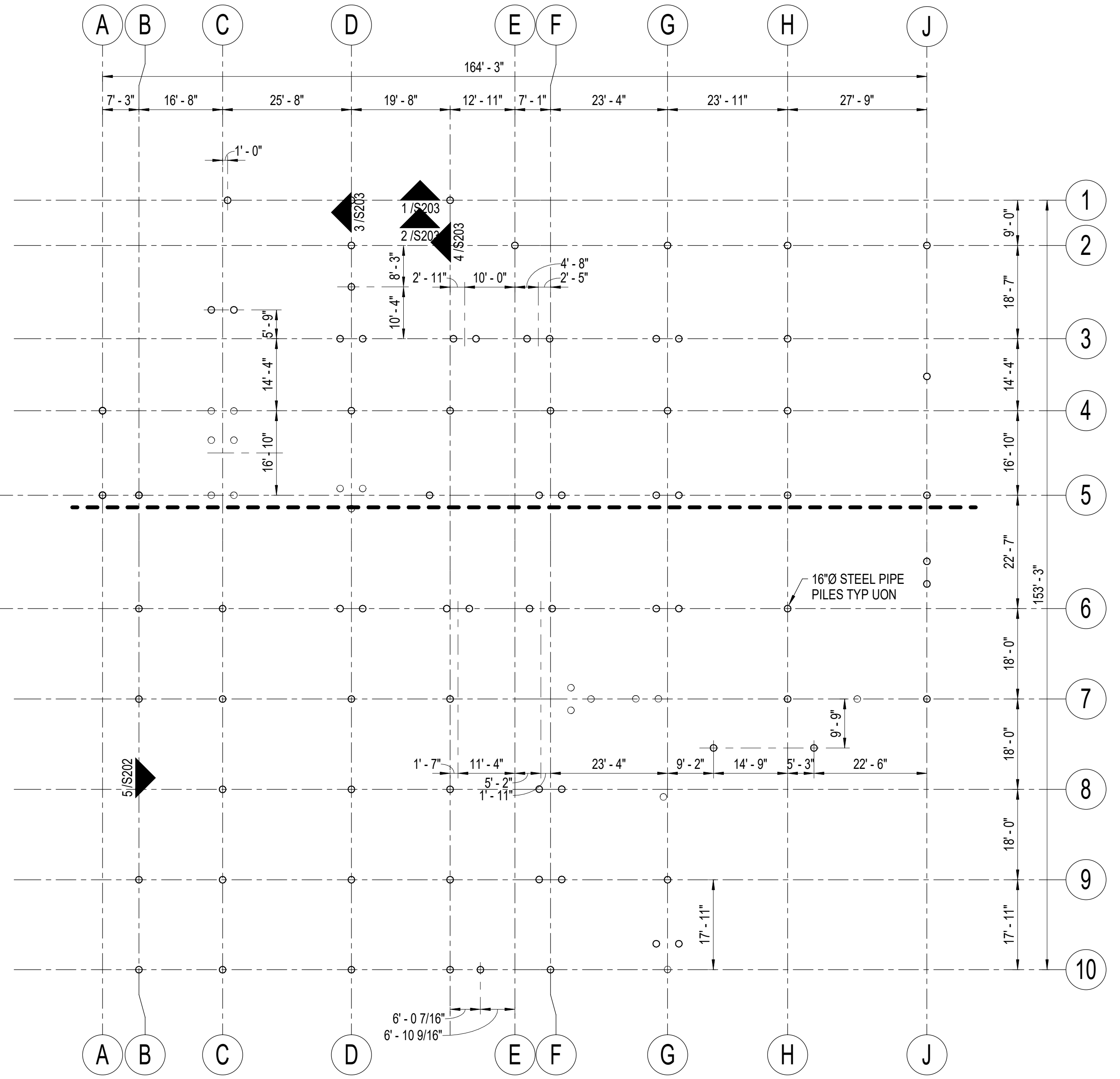
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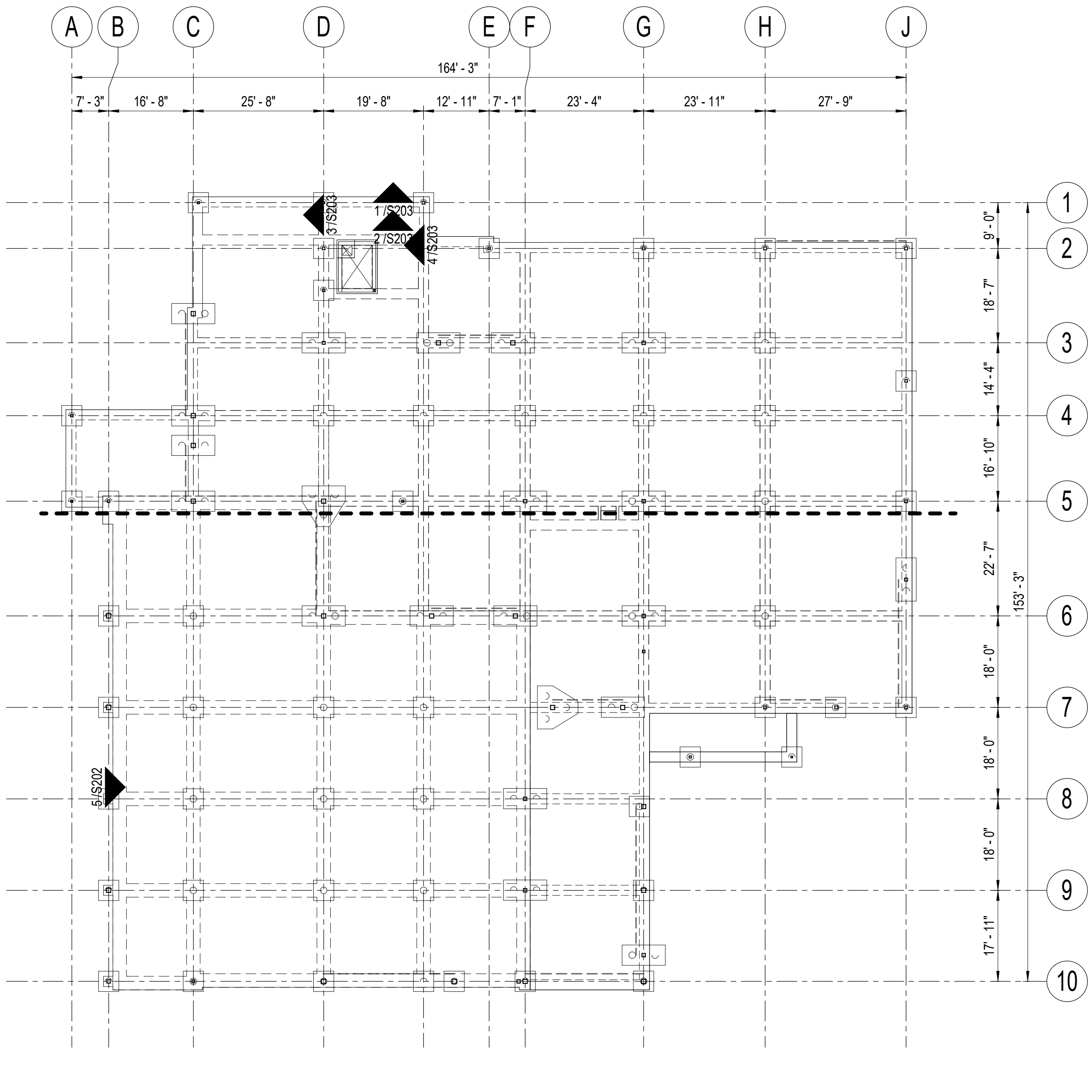
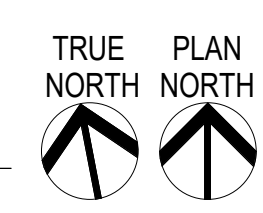
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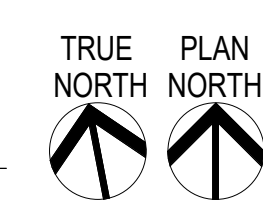
PILE PLAN AND OVERALL FOUNDATION PLAN  
**S100**  
 BETTISWORTH NORTH ARCHITECTS & PLANNERS



**1 PILE PLAN**  
 1/16" = 1'-0"



**2 OVERALL FOUNDATION PLAN**  
 1/16" = 1'-0"

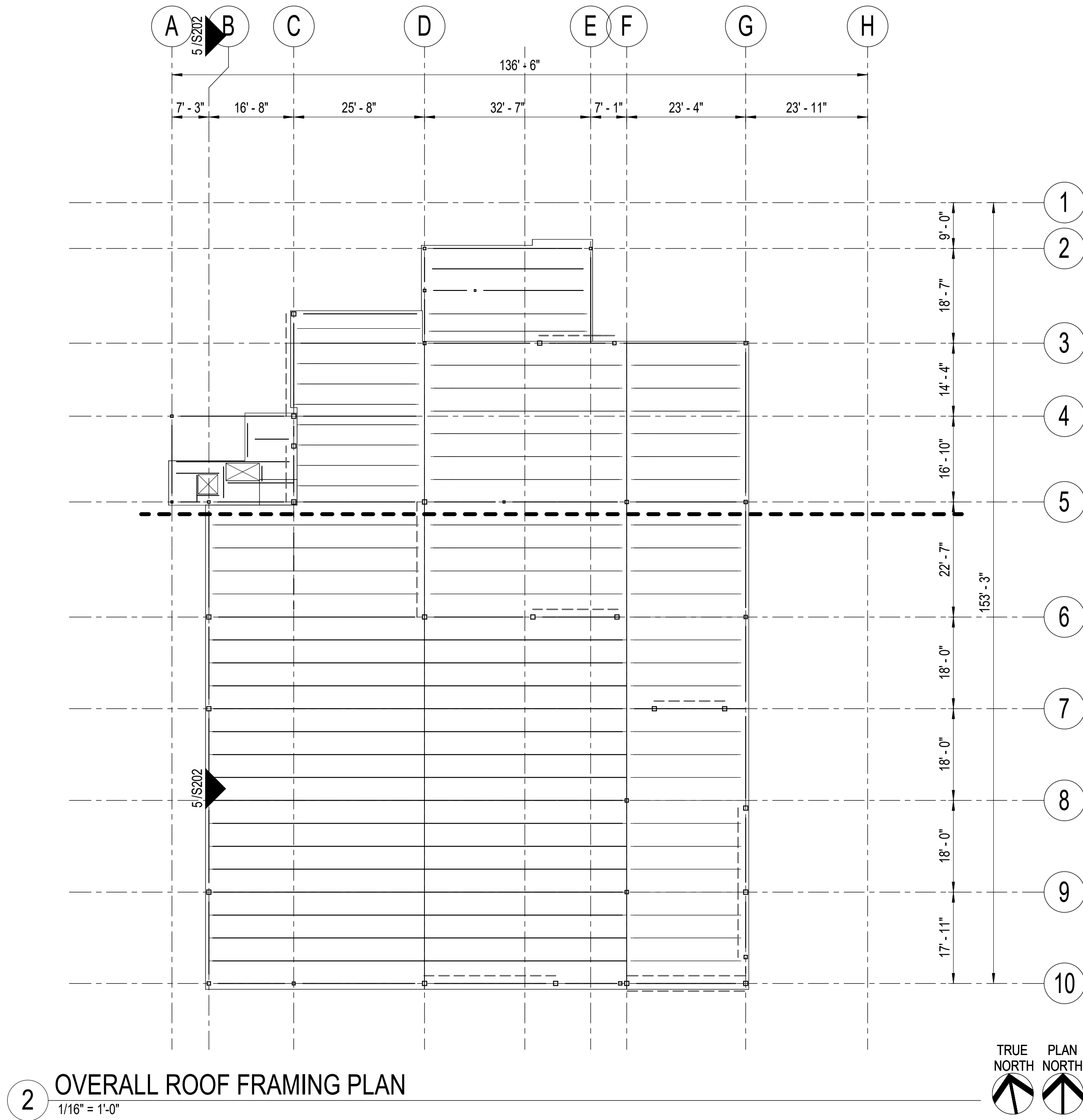
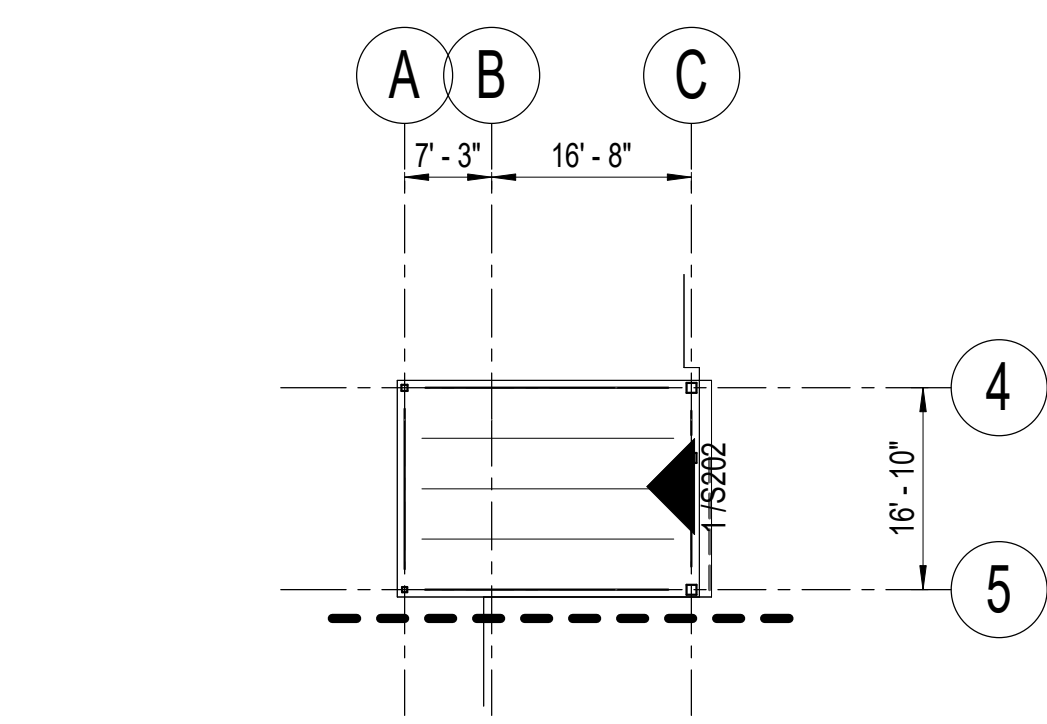
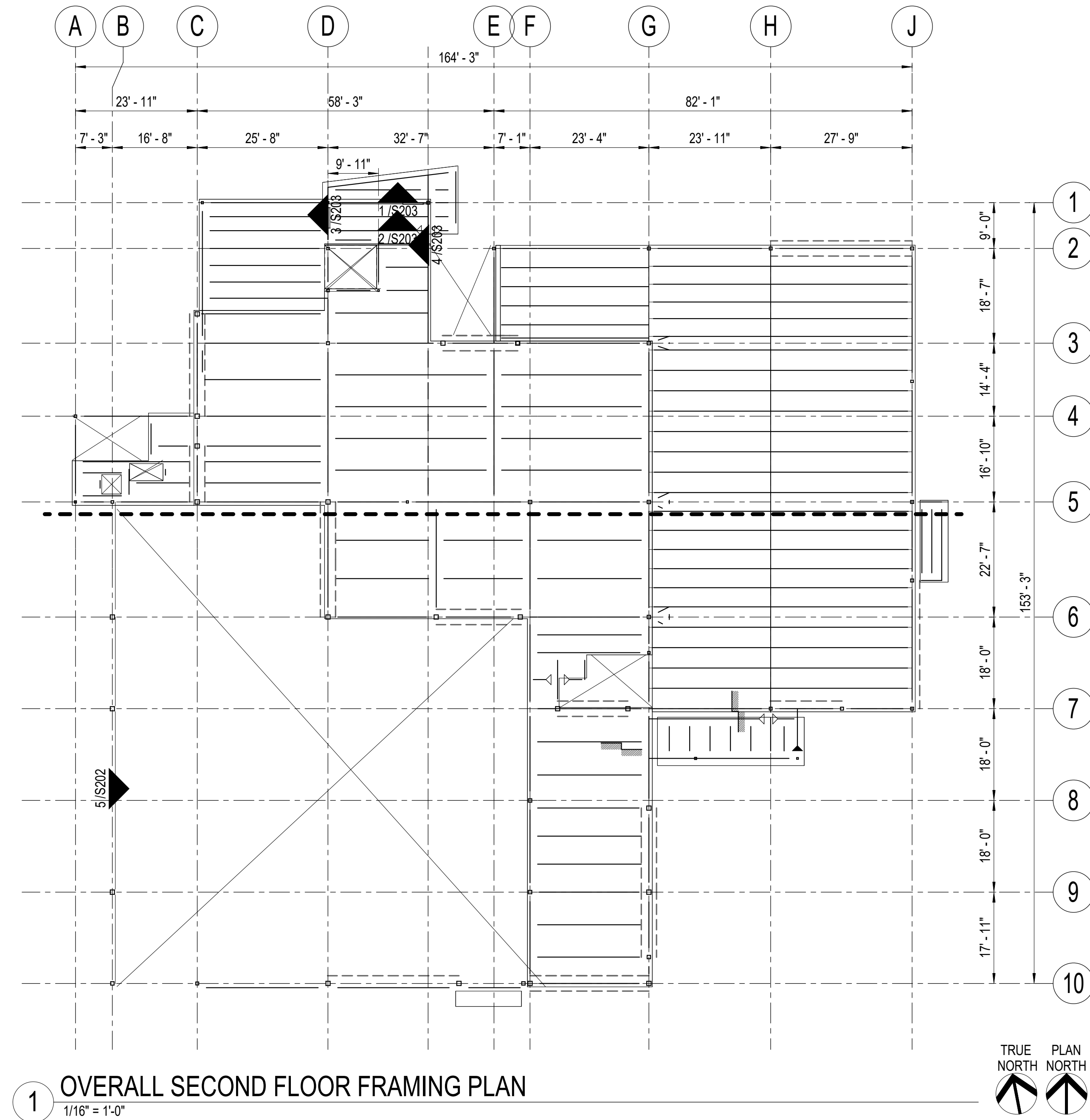


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OVERALL SECOND FLOOR FRAMING PLAN, ROOF, AND HIGH ROOF FRAMING PLAN

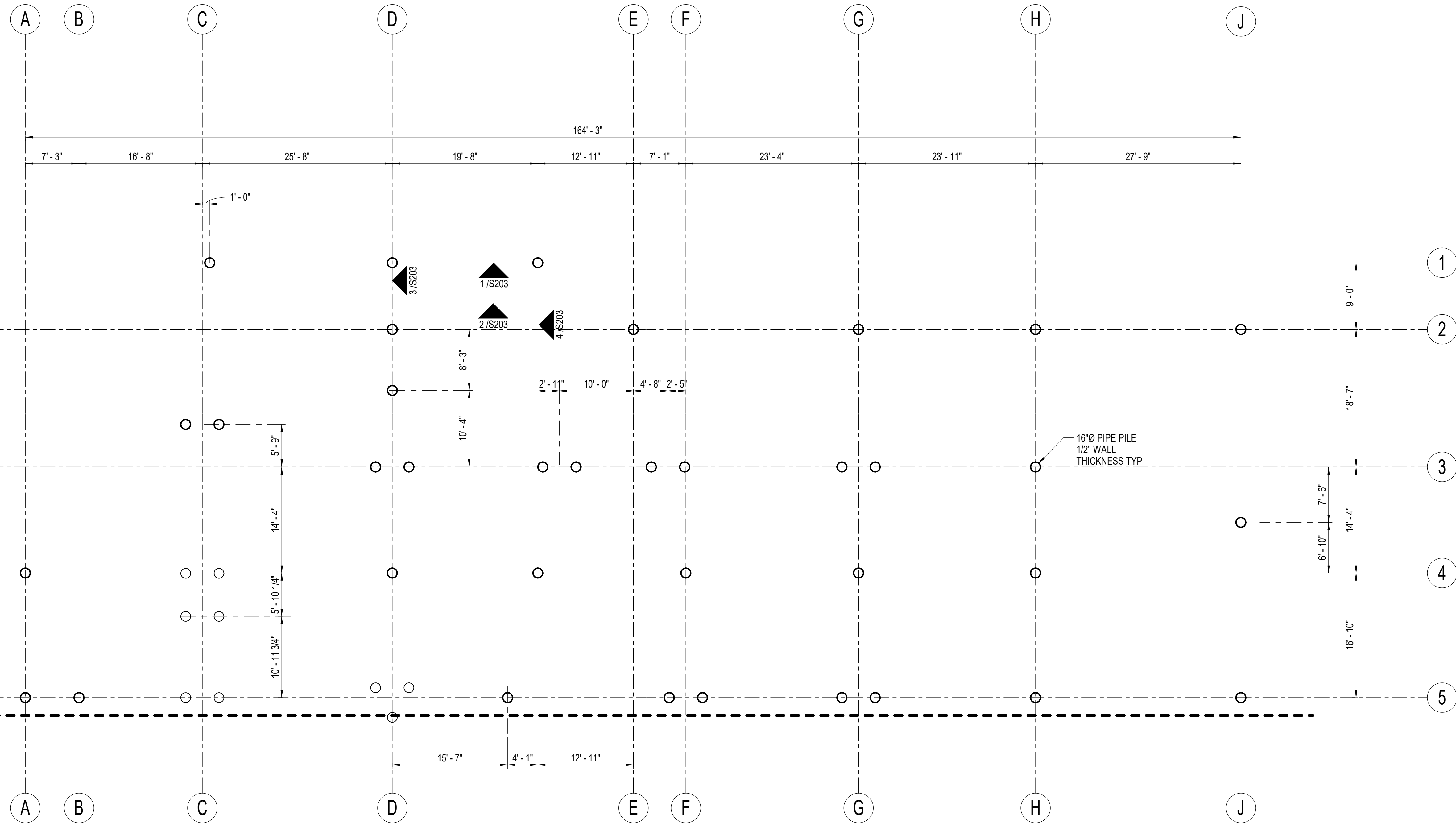
**S101**

BETTISWORTH NORTH ARCHITECTS & PLANNERS

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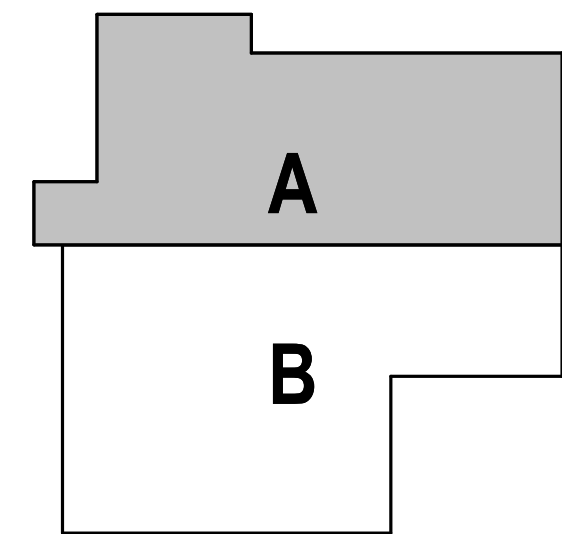
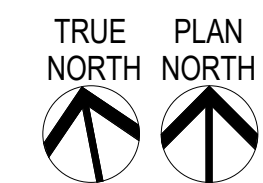
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**PILE PLAN NOTES:**

1. ELEVATIONS NOTED ARE WITH RESPECT TO FIRST FLOOR DATUM OF 0'-0".
2. PILE TIP ELEVATIONS (XX).
3. PILE CUTOFF ELEVATIONS [XX].

**1** PILE PLAN  
1/8" = 1'-0"



HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA  
65% PRICING SET

CONSULTANT:



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PILE PLAN - BLOCK A

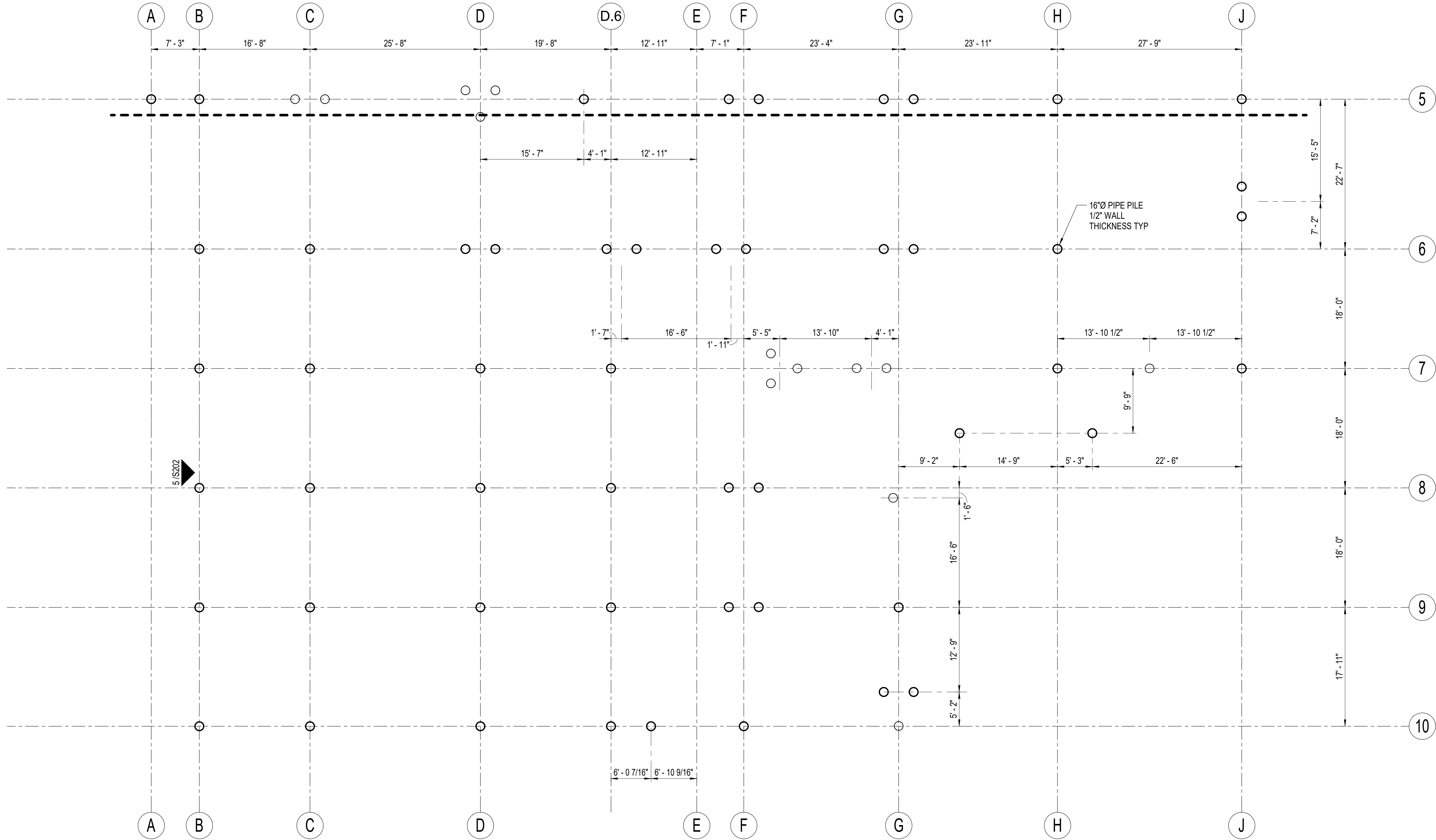
**S111**

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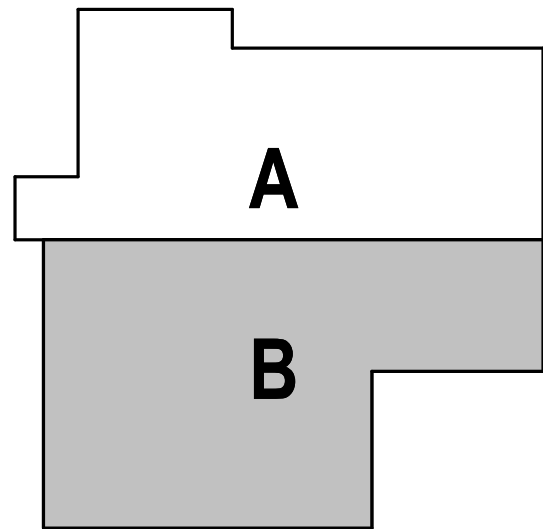
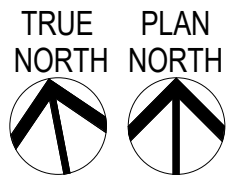
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**PILE PLAN NOTES:**

- ELEVATIONS NOTED ARE WITH RESPECT TO FIRST FLOOR DATUM OF 0'-0".
- PILE TIP ELEVATIONS (XX).
- PILE CUTOFF ELEVATIONS [XX].



**1 PILE PLAN**  
1/8" = 1'-0"

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
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PILE PLAN - BLOCK B  
**S112**  
BETTISWORTH NORTH ARCHITECTS & PLANNERS

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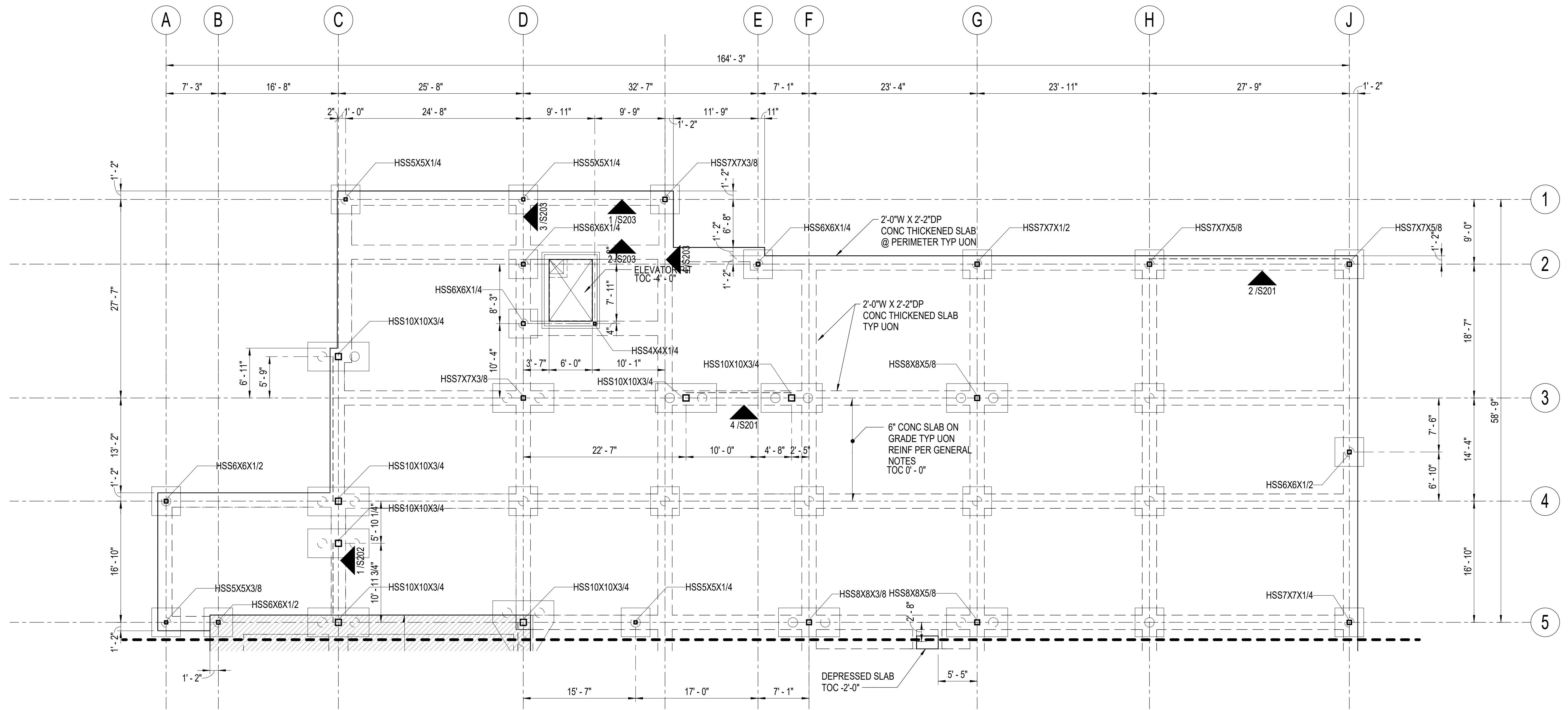
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**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
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 65% PRICING SET

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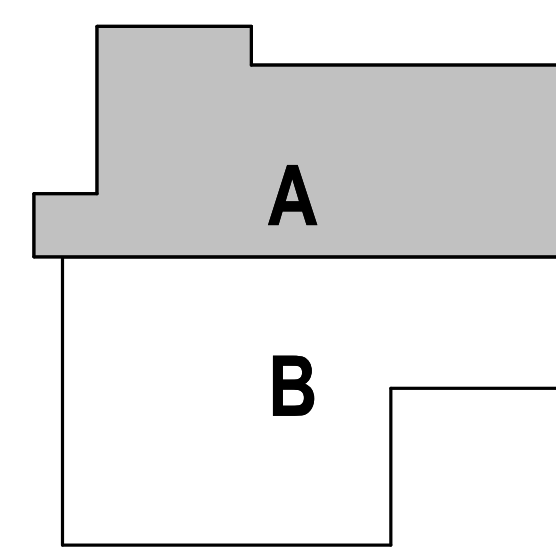
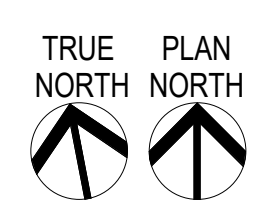
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FOUNDATION PLAN - BLOCK A  
**S121**



- FOUNDATION NOTES:**
- ELEVATIONS NOTED ARE WITH RESPECT TO FIRST FLOOR DATUM OF 0'-0".
  - TOP OF SLAB IS NOTED THUS: TOC X'-Y".
  - SPREAD FOOTINGS ARE NOTED THUS: FX'-Y". SEE SHT S601 FOR SCHEDULE.
  - TOP OF FOOTING EL IS NOTED THUS: TOF X'-Y".
  - PLACE CONSTRUCTION AND CONTROL JOINTS AT COLUMNS LINES AND AT INTERMEDIATE LOCATIONS NOT TO EXCEED 18'-0" EACH WAY.
  - SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATIONS FOR SLAB DEPRESSIONS.

**1 FOUNDATION PLAN - BLOCK A**  
 1/8" = 1'-0"

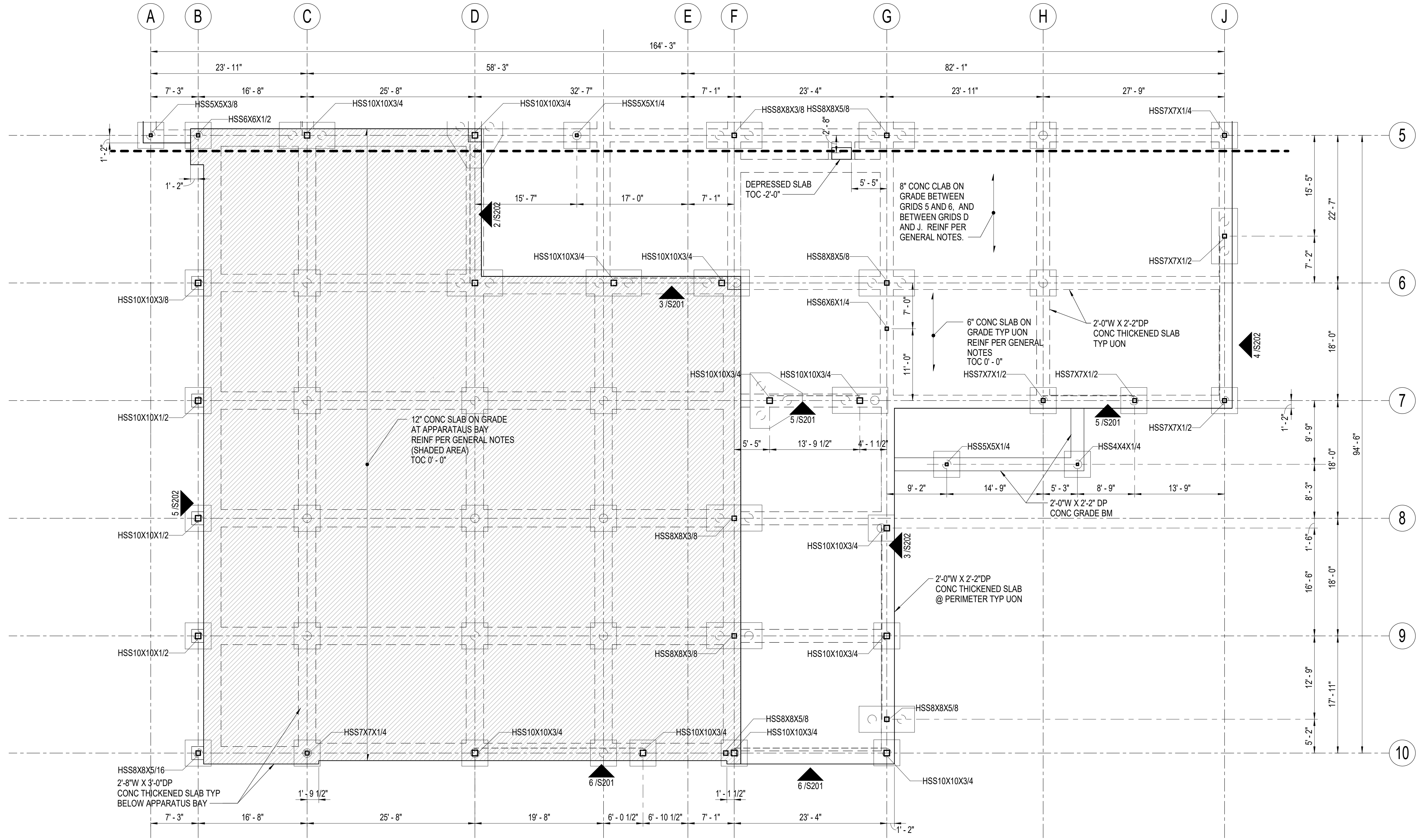


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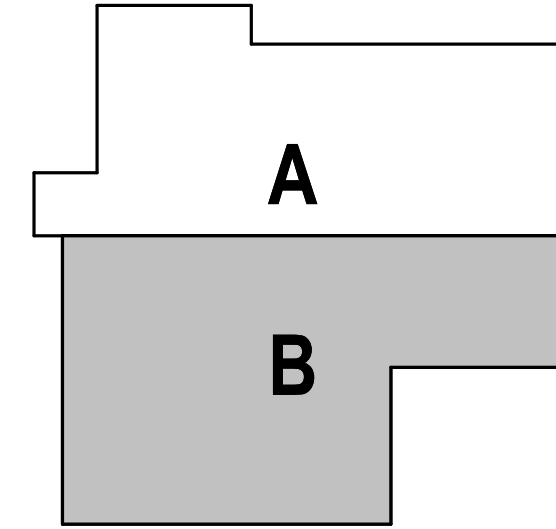
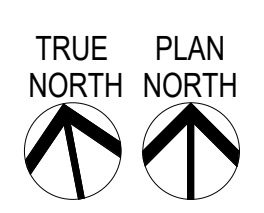
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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- FOUNDATION NOTES:**
1. ELEVATIONS NOTED ARE WITH RESPECT TO FIRST FLOOR DATUM OF 0'-0".
  2. TOP OF SLAB IS NOTED THUS: TOC X'-Y".
  3. SPREAD FOOTINGS ARE NOTED THUS: FX'-Y". SEE SHT S601 FOR SCHEDULE.
  4. TOP OF FOOTING EL IS NOTED THUS: TOF X'-Y".
  5. PLACE CONSTRUCTION AND CONTROL JOINTS AT COLUMNS LINES AND AT INTERMEDIATE LOCATIONS NOT TO EXCEED 18'-0" EACH WAY.
  6. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATIONS FOR SLAB DEPRESSIONS.

**1 FOUNDATION PLAN - BLOCK B**  
1/8" = 1'-0"



**HAINES BOROUGH  
HAINES COMMUNITY SAFETY AND  
TRAINING CENTER  
HAINES, ALASKA**

65% PRICING SET

CONSULTANT:

**BBFM**  
Engineers Inc.  
845 K Street  
Anchorage, AK 99501  
Phone: (907) 274-2236 Fax: 274-2520  
Corporate Authorization No: C725

PROJECT NO: 20-130  
DATE: 2022-08-25  
DRAWN BY: CMS  
CHECKED BY: SMG

REVISION	DESCRIPTION	DATE

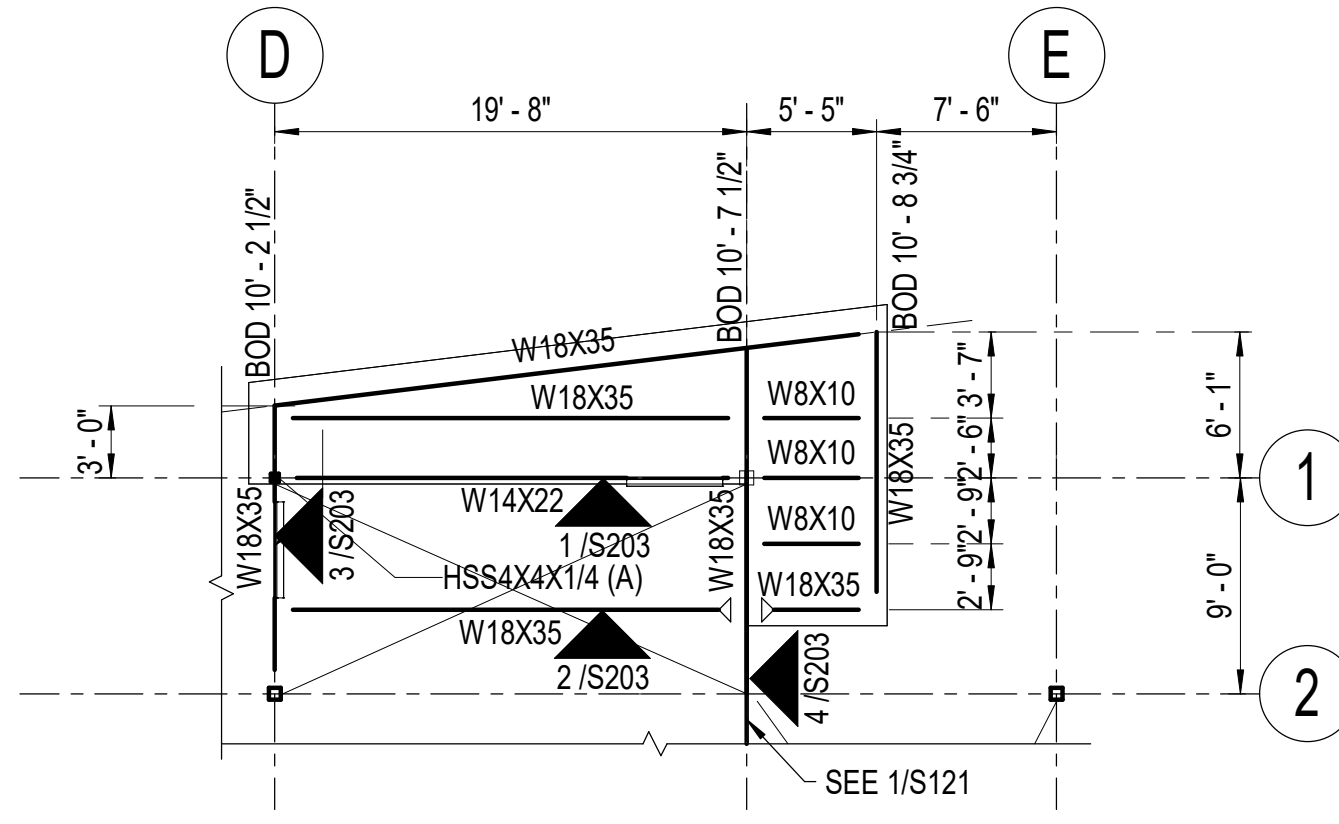
FOUNDATION PLAN - BLOCK B  
**S122**

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

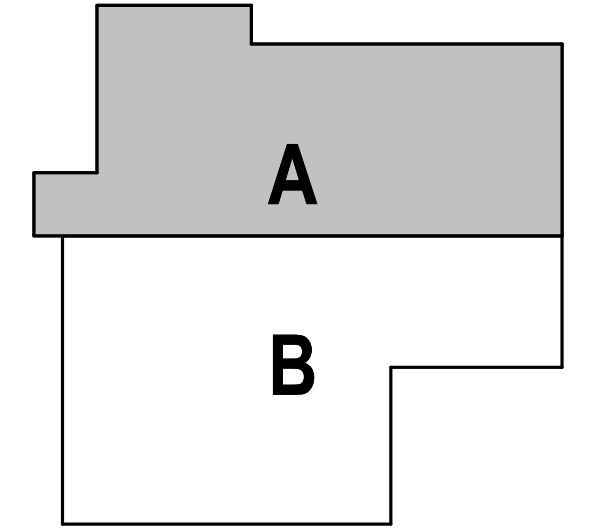
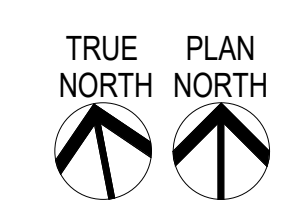
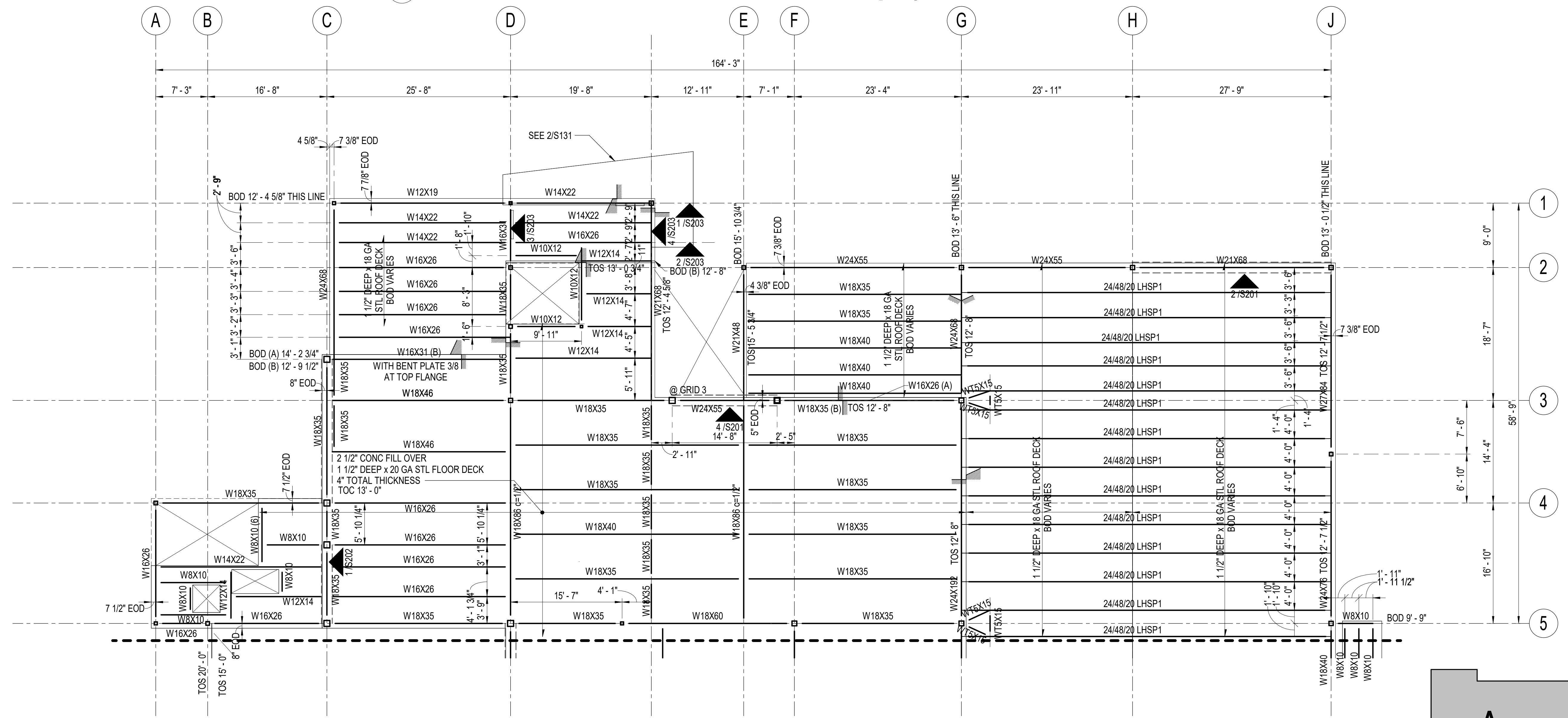
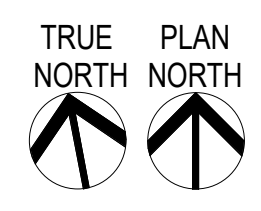
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**FRAMING NOTES:**

- ELEVATIONS NOTED ARE WITH RESPECT TO FIRST FLOOR DATUM OF 0'-0".
- FOR BRACING ELEVATIONS SEE SHT S201 AND S202.
- BOTTOM OF DECK ELEVATION IS NOTED THUS: BOD X'-Y".
- TOP OF STEEL ELEVATIONS NOTED THUS: TOS X'-Y".
- 3.0K DENOTES JOIST OR JOIST GIRDER CONCENTRATED LOAD IN KIPS.
- PROVIDE FRAMING AROUND ALL ROOF DECK OPENINGS GREATER THAN 0'-8" SQUARE PER DETAIL COORDINATE WITH MECHANICAL AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL OPENINGS NOT SHOWN.
- PROVIDE 3/4"x3" WELDED HEADED SHEAR STUDS @ 12" OC AT ALL BEAMS AND GIRDERS.
- BEAMS WITH AN ASTERISK (\*) REQUIRE SHEAR TRANSFER ANGLES BETWEEN JOIST PER
- ALONG NOTED LINES AND AT NOTED CONNECTIONS, CONNECTIONS SHALL BE SLIP CRITICAL.
- MEMBERS AND CONNECTIONS INDICATED "T2" SHALL BE CONNECTED PER TABLE 2 SHEET XXX.
- DESIGN JOIST FOR SEISMIC STRUT FORCE NOTED IN BRACKETS [ ], LOAD IS LRFD, INCLUDING OMEGA.



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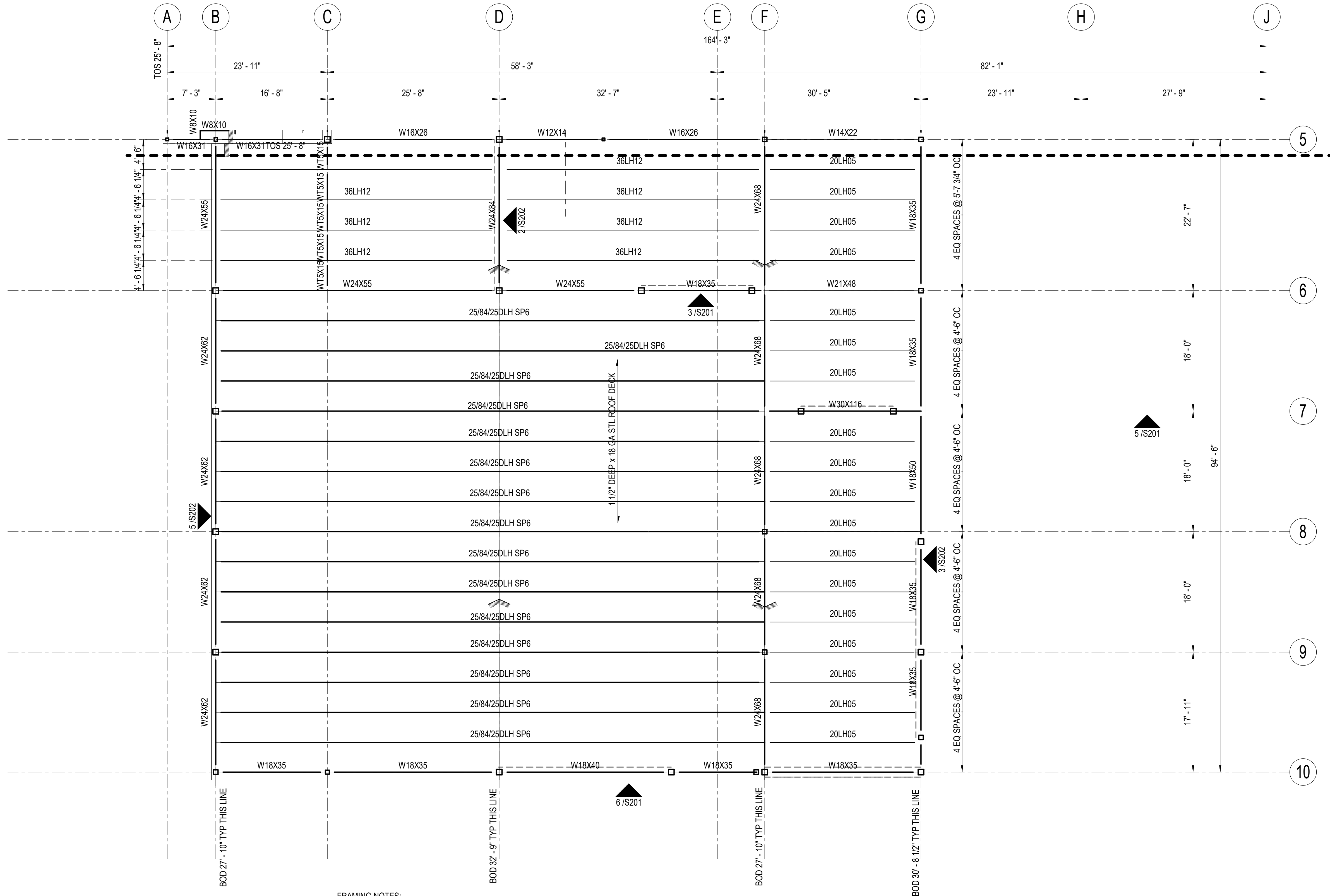




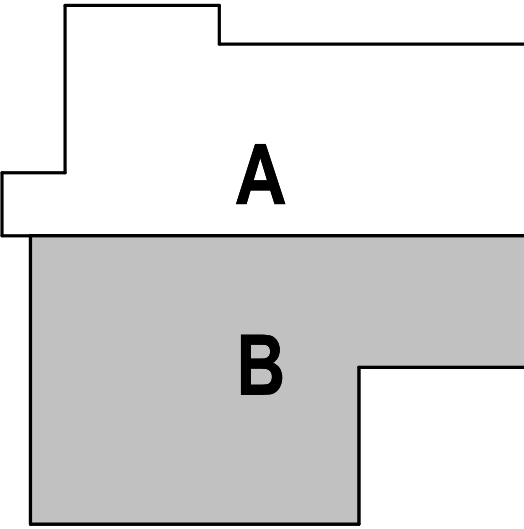
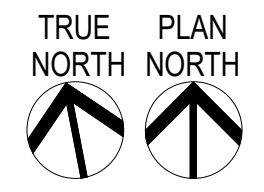
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- FRAMING NOTES:**
- ELEVATIONS NOTED ARE WITH RESPECT TO FIRST FLOOR DATUM OF 0'-0".
  - FOR BRACING ELEVATIONS SEE SHT S201, S202.
  - BOTTOM OF DECK ELEVATION IS NOTED THUS: BOD X'-Y".
  - TOP OF STEEL ELEVATIONS NOTED THUS: TOS X'-Y".
  - [3.0K] DENOTES JOIST OR JOIST GIRDER CONCENTRATED LOAD IN KIPS.
  - PROVIDE FRAMING AROUND ALL ROOF DECK OPENINGS GREATER THAN 0'-8" SQUARE PER DETAIL [ ] COORDINATE WITH MECHANICAL AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL OPENINGS NOT SHOWN.
  - BEAMS WITH AN ASTERISK (\*) REQUIRE SHEAR TRANSFER ANGLES BETWEEN JOIST PER [ ]
  - ALONG NOTED LINES AND AT NOTED CONNECTIONS, CONNECTIONS SHALL BE SLIP CRITICAL.
  - MEMBERS AND CONNECTIONS INDICATED "T2" SHALL BE CONNECTED PER TABLE 2 SHEET XXX.
  - DESIGN JOIST FOR SEISMIC STRUT FORCE NOTED IN BRACKETS [ ], LOAD IS LRFD, INCLUDING OMEGA.



1 ROOF FRAMING PLAN - BLOCK B  
1/8" = 1'-0"

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA  
65% PRICING SET

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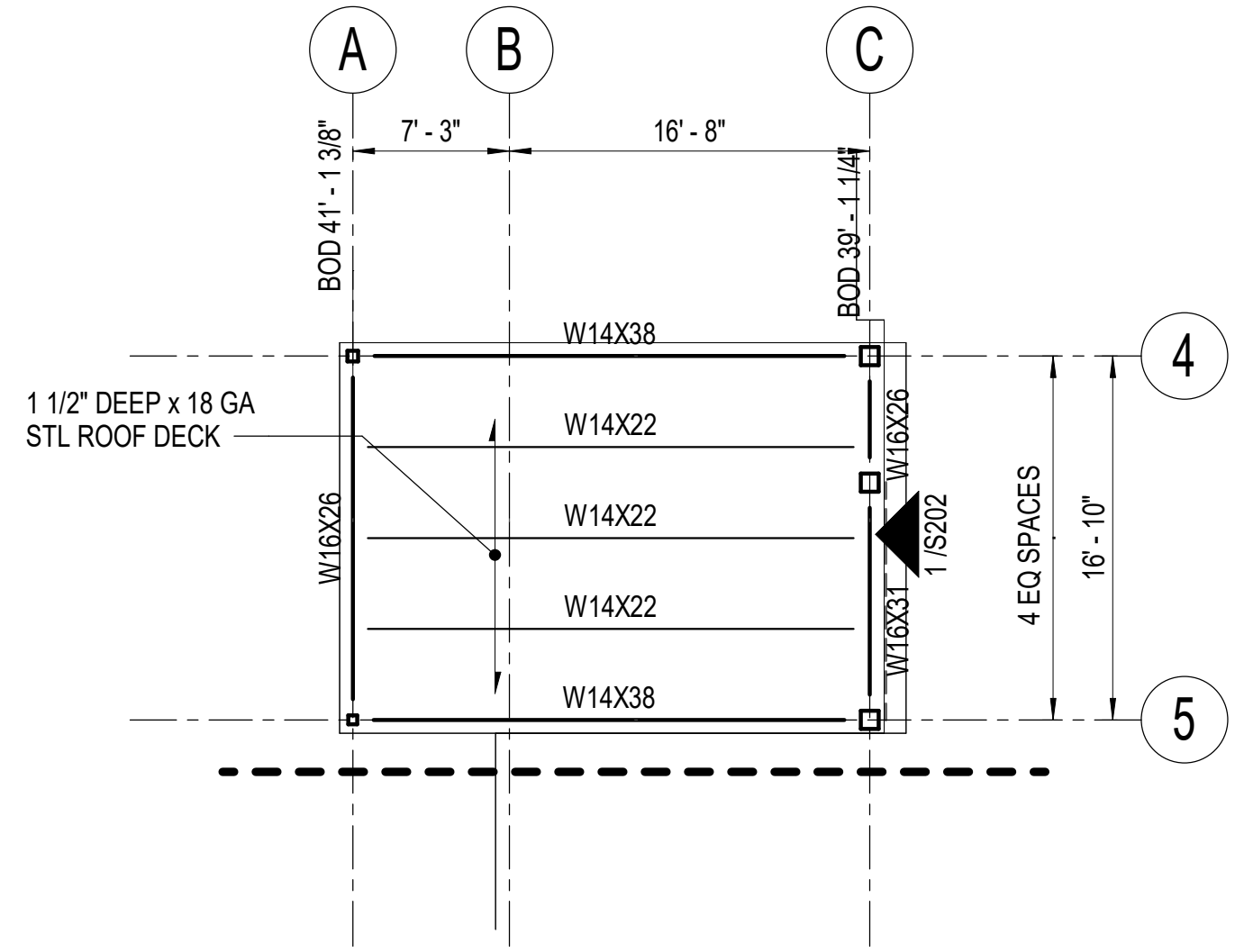
PROJECT NO: 20-130  
DATE: 2022-08-25  
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CHECKED BY: SMG

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IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

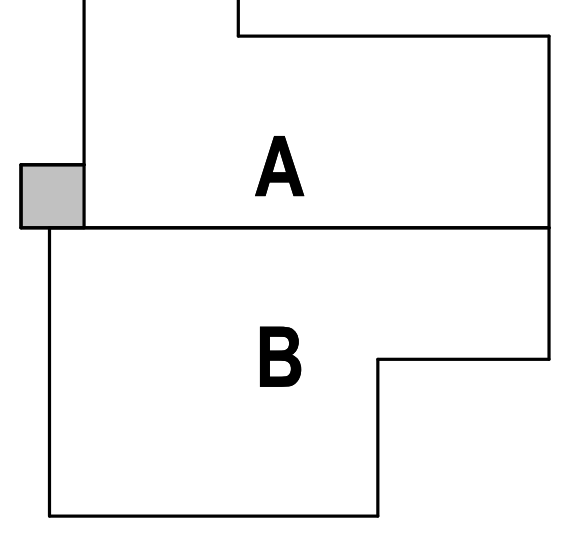
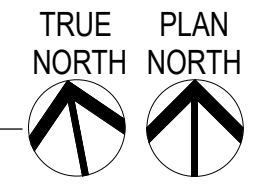
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- FRAMING NOTES:**
- ELEVATIONS NOTED ARE WITH RESPECT TO FIRST FLOOR DATUM OF 0'-0".
  - FOR BRACING ELEVATIONS SEE SHT S201, S202.
  - BOTTOM OF DECK ELEVATION IS NOTED THUS: BOD X'-Y".
  - TOP OF STEEL ELEVATIONS NOTED THUS: TOS X'-Y".
  - [3.0K] DENOTES JOIST OR JOIST GIRDER CONCENTRATED LOAD IN KIPS.
  - PROVIDE FRAMING AROUND ALL ROOF DECK OPENINGS GREATER THAN 0'-8" SQUARE PER DETAIL [ ] COORDINATE WITH MECHANICAL AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL OPENINGS NOT SHOWN.
  - BEAMS WITH AN ASTERISK (\*) REQUIRE SHEAR TRANSFER ANGLES BETWEEN JOIST PER [ ]
  - ALONG NOTED LINES AND AT NOTED CONNECTIONS, CONNECTIONS SHALL BE SLIP CRITICAL.
  - MEMBERS AND CONNECTIONS INDICATED "T2" SHALL BE CONNECTED PER TABLE 2 SHEET XXX.
  - DESIGN JOIST FOR SEISMIC STRUT FORCE NOTED IN BRACKETS [ ]. LOAD IS LRFD, INCLUDING OMEGA.

**1 HIGH ROOF FRAMING PLAN**  
1/8" = 1'-0"



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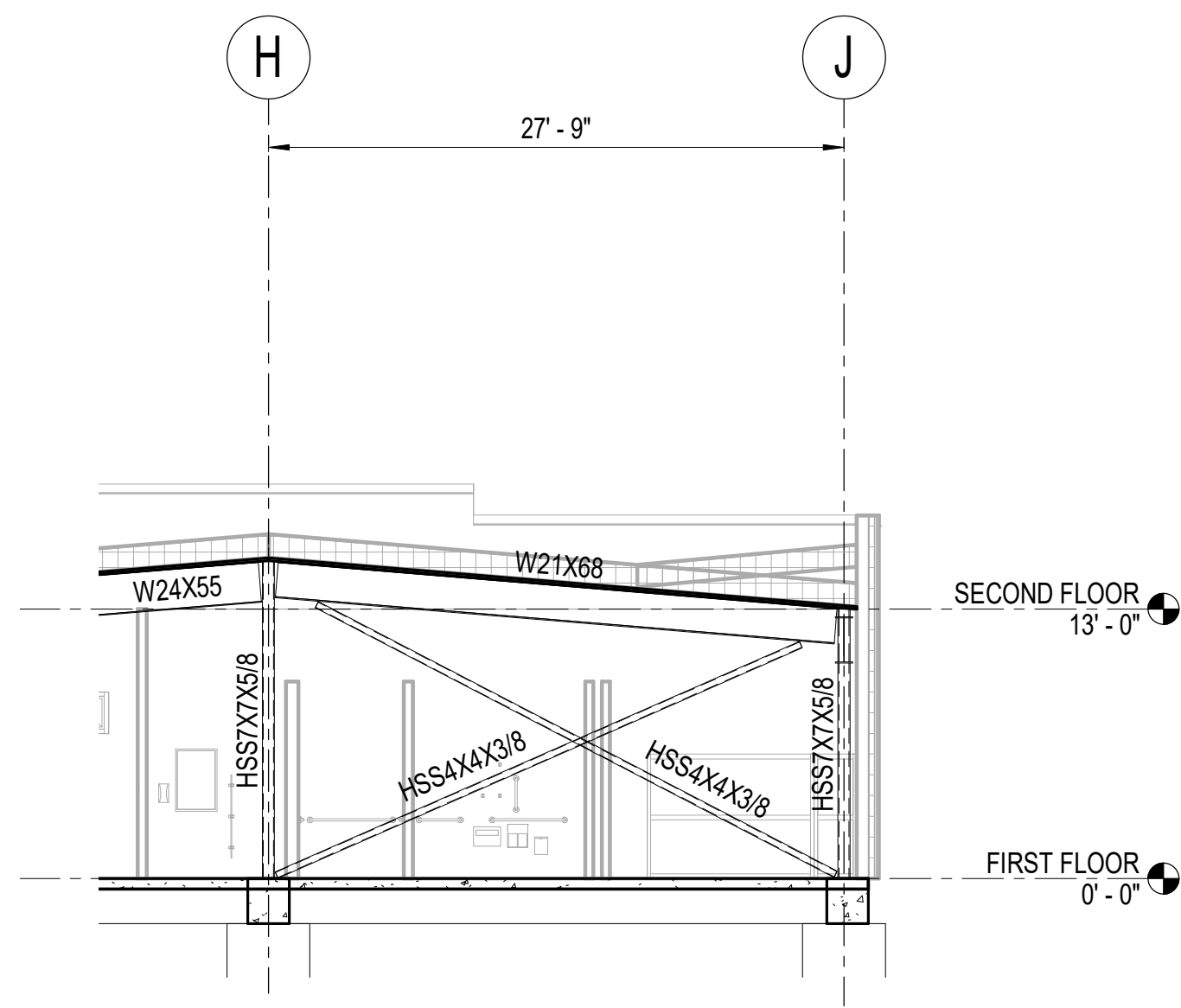
HIGH ROOF FRAMING PLAN

**S143**

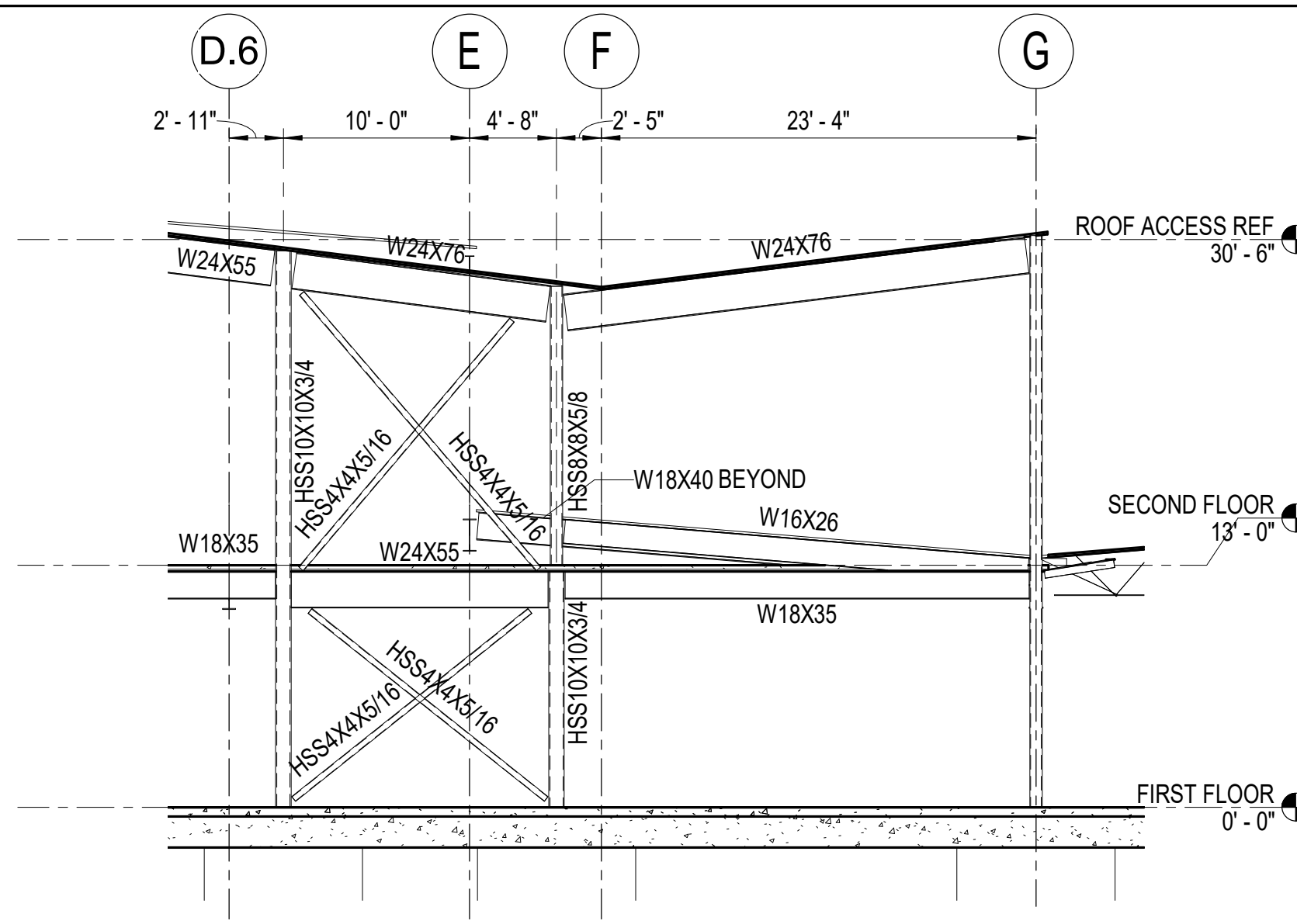
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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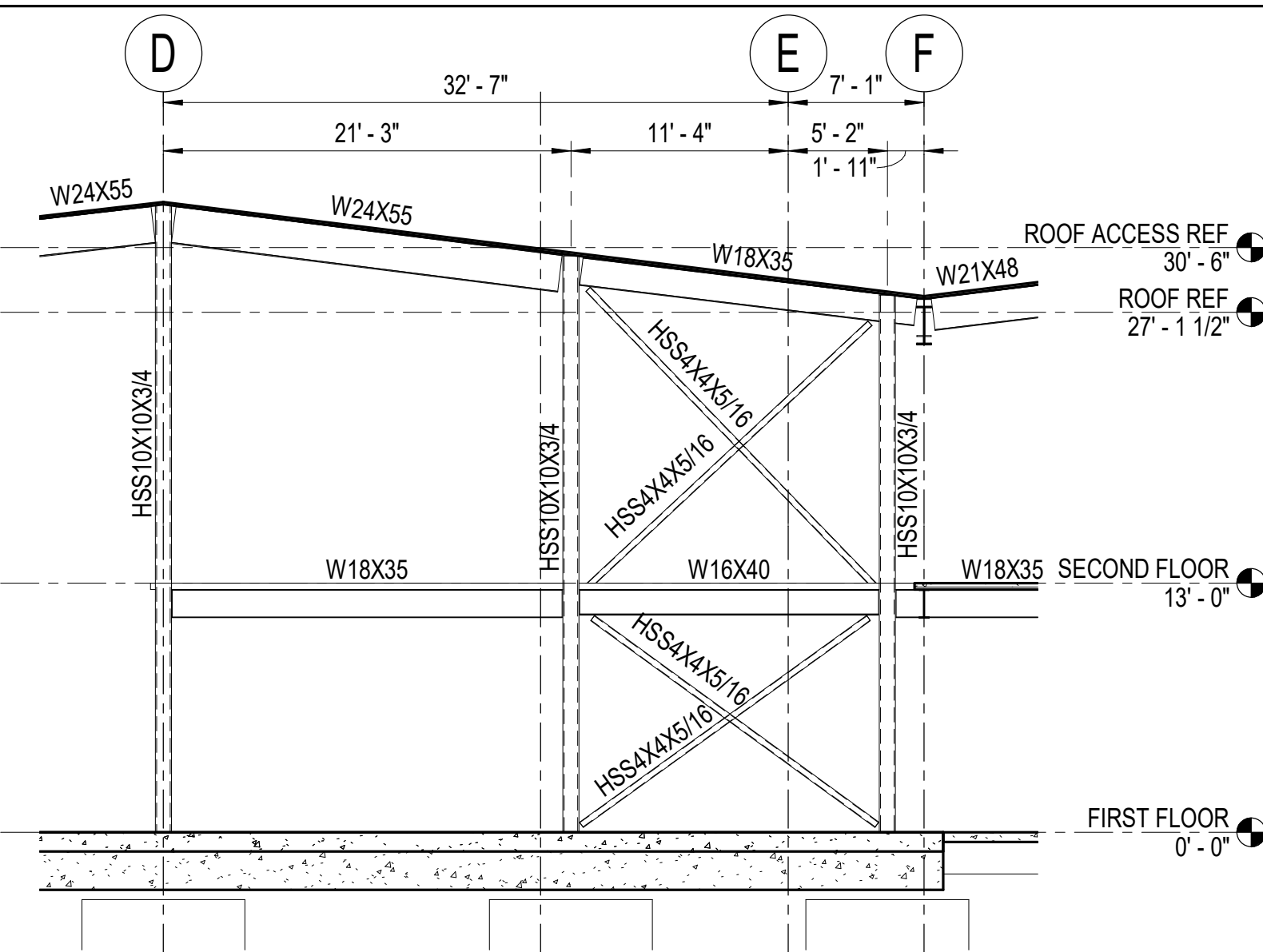
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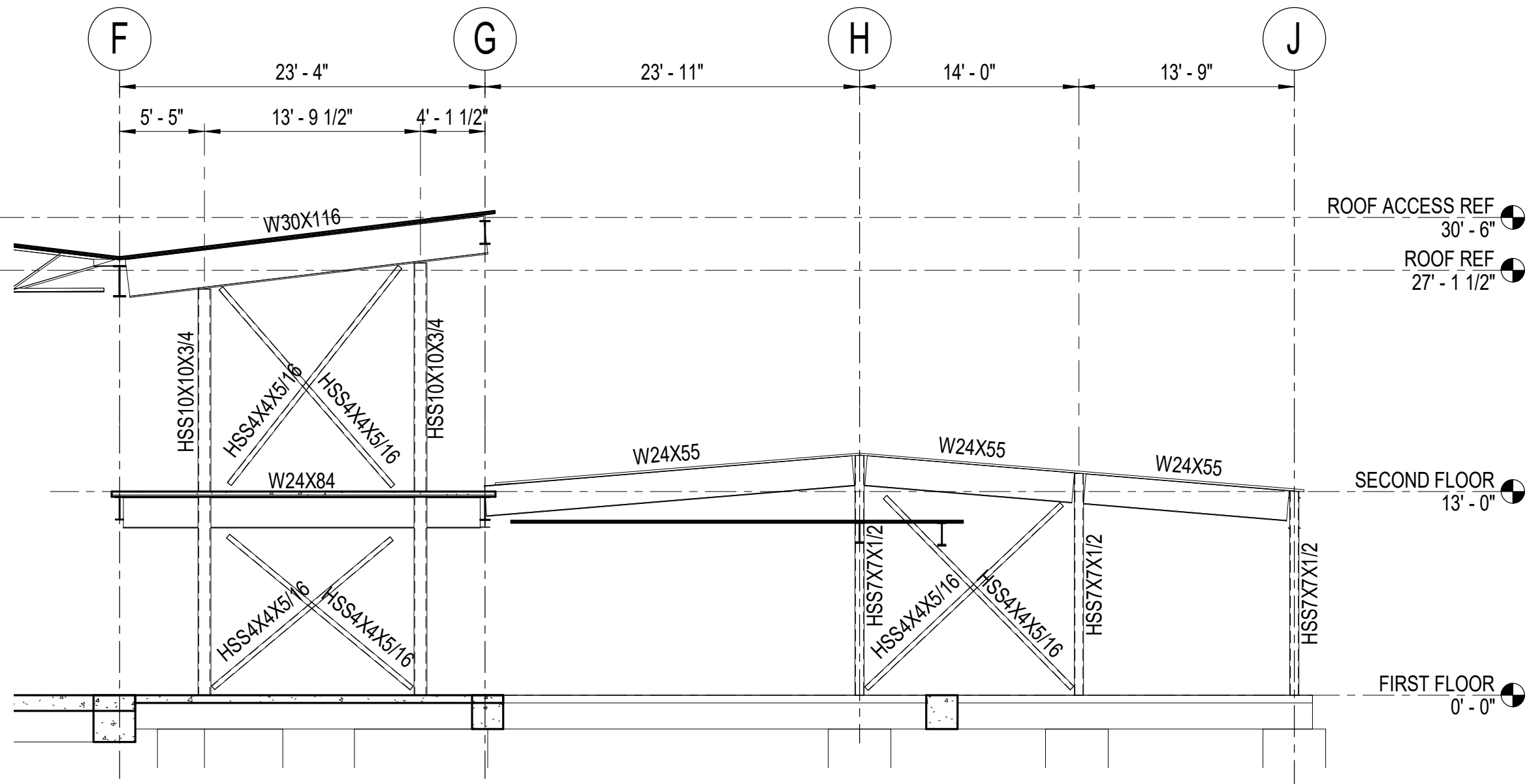
2 BRACE ELEVATION - GRID 2  
1/8" = 1'-0"



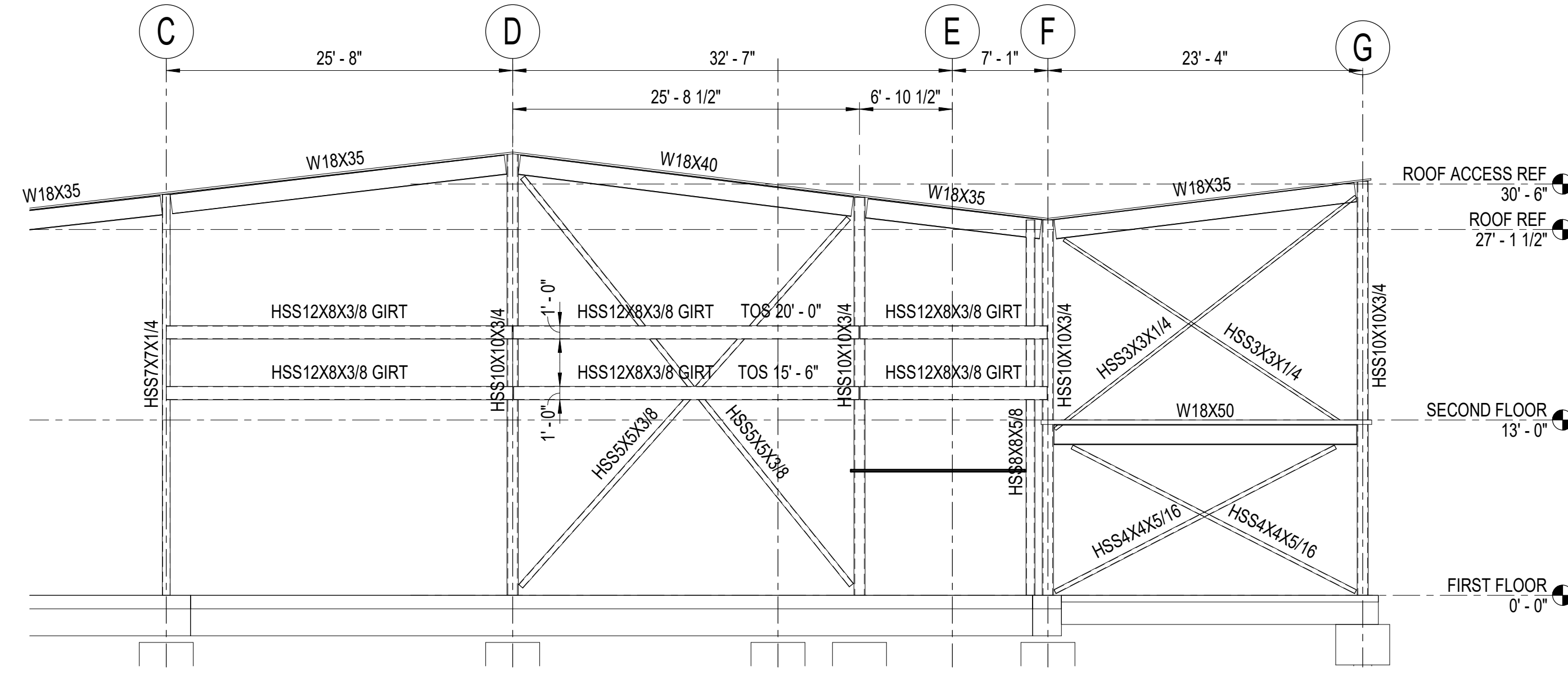
4 BRACE ELEVATION - GRID 3  
1/8" = 1'-0"



3 BRACE ELEVATION - GRID 6  
1/8" = 1'-0"



5 BRACE ELEVATION - GRID 7  
1/8" = 1'-0"



6 BRACE ELEVATION - GRID 10  
1/8" = 1'-0"

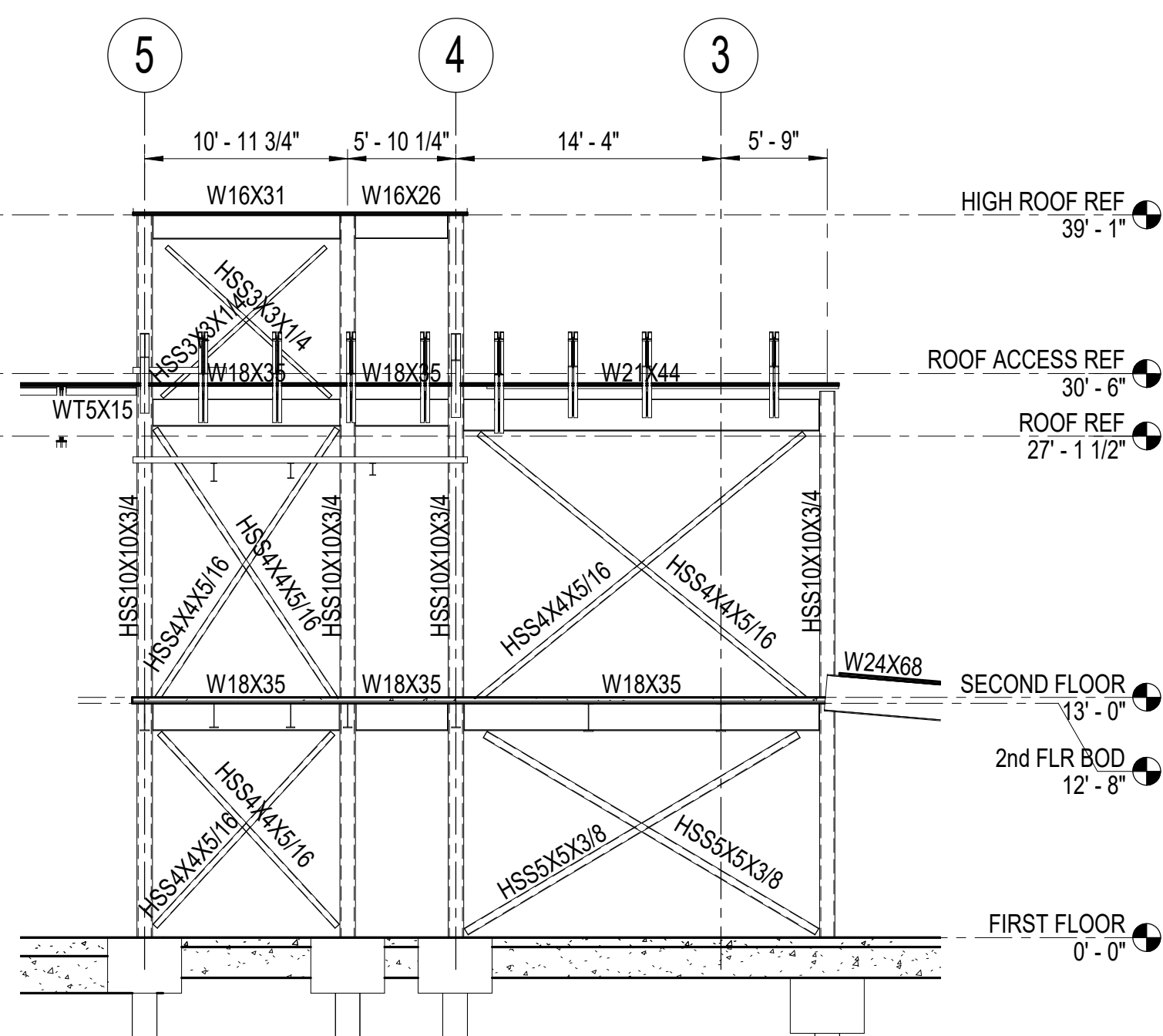
CONSULTANT:  
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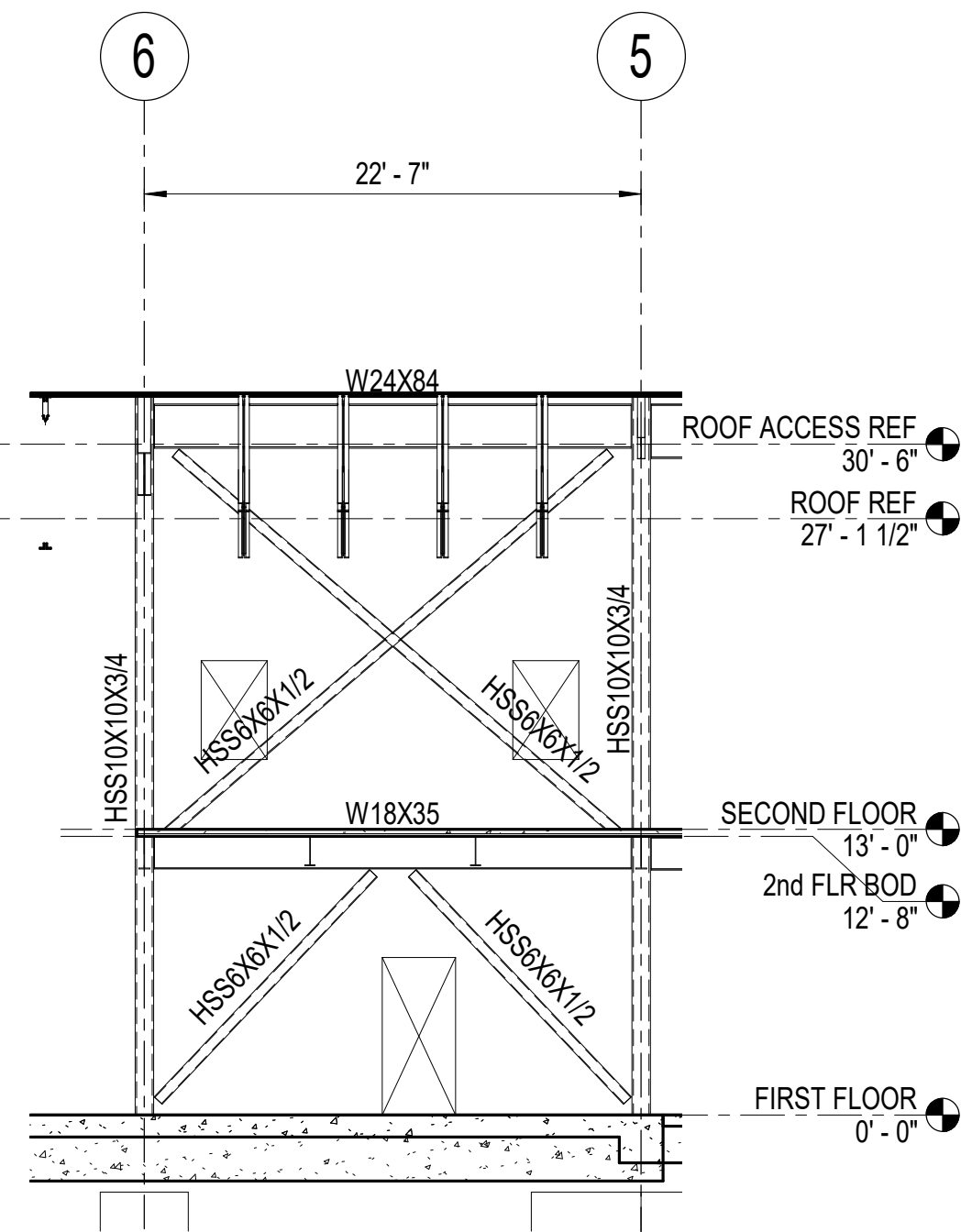
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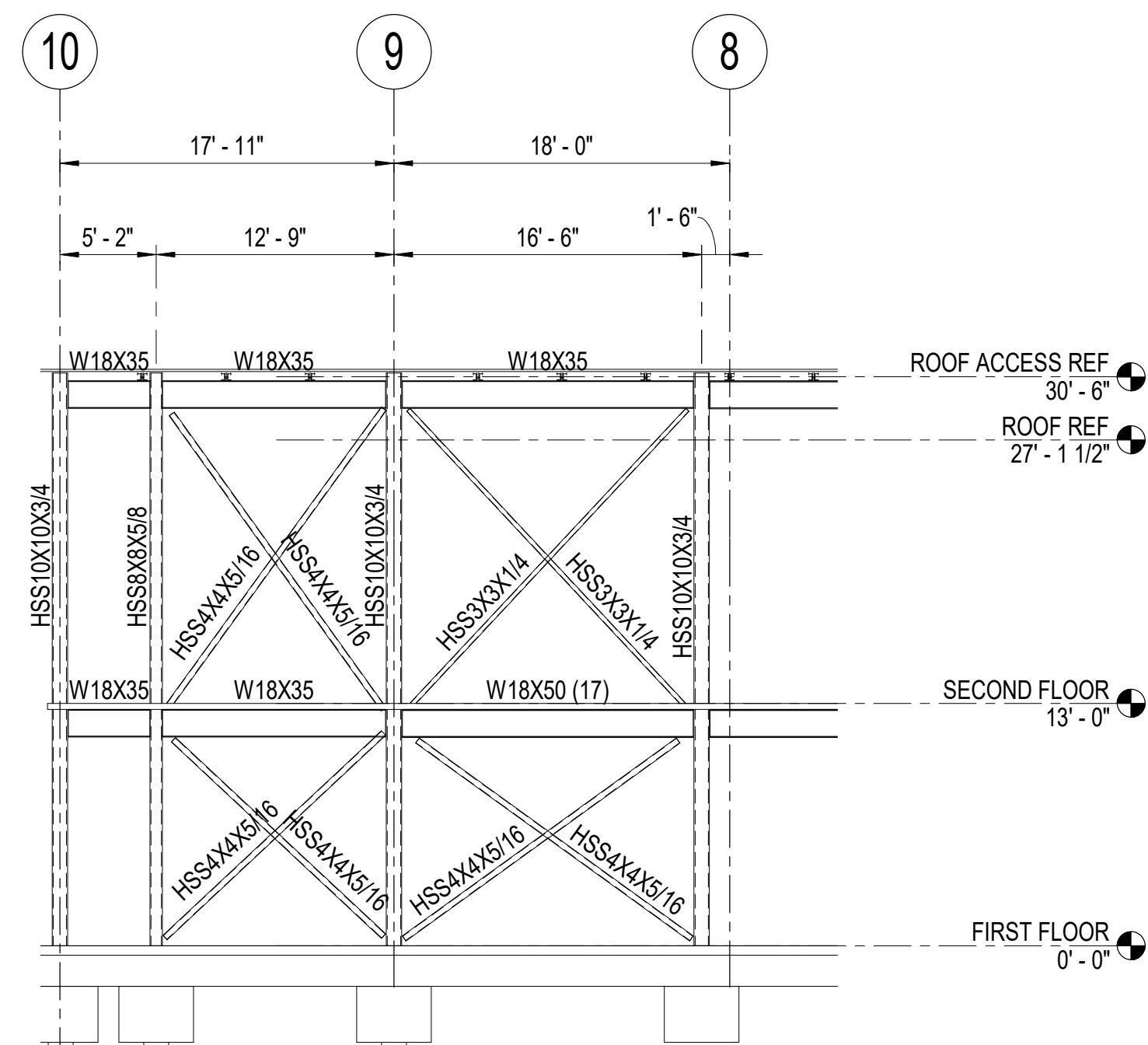
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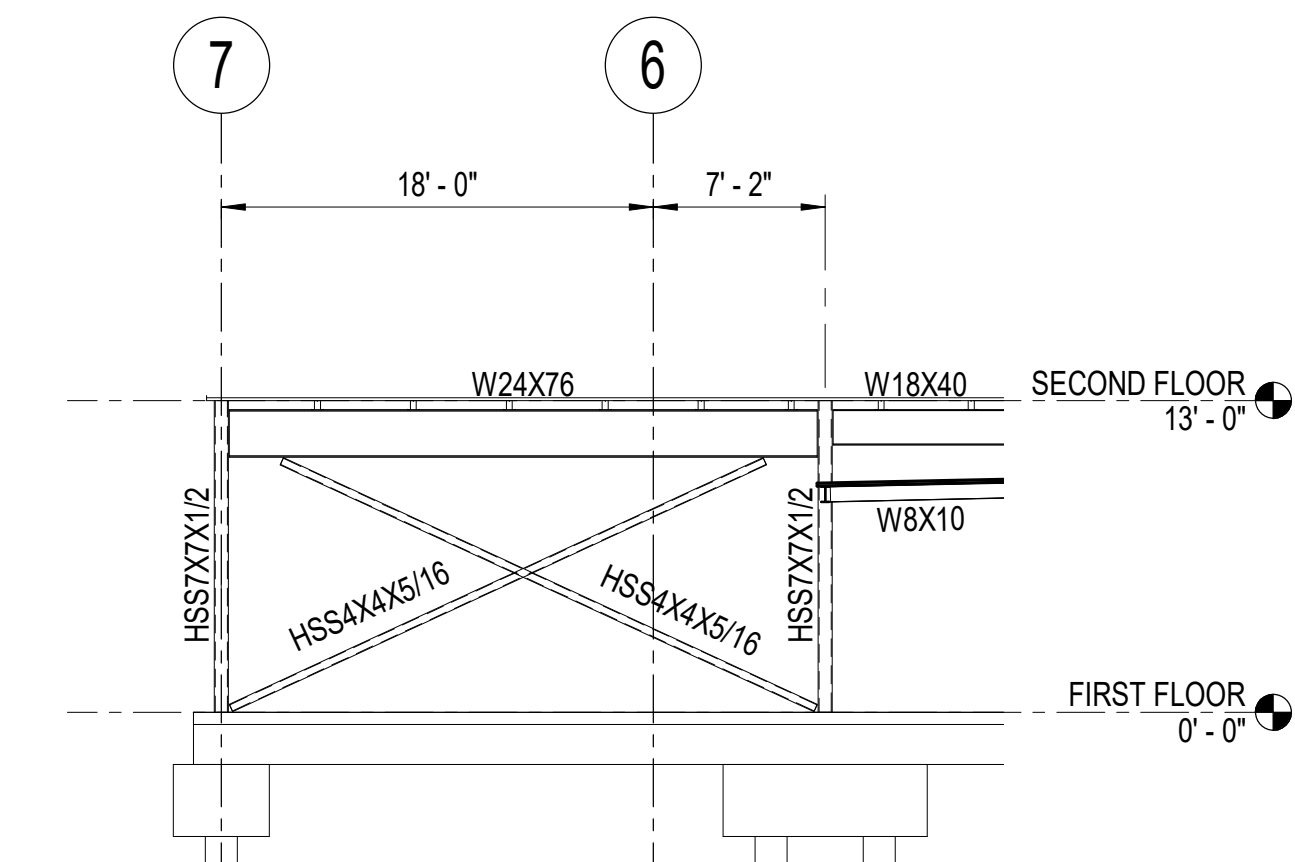
1 BRACE ELEVATION - GRID C  
1/8" = 1'-0"



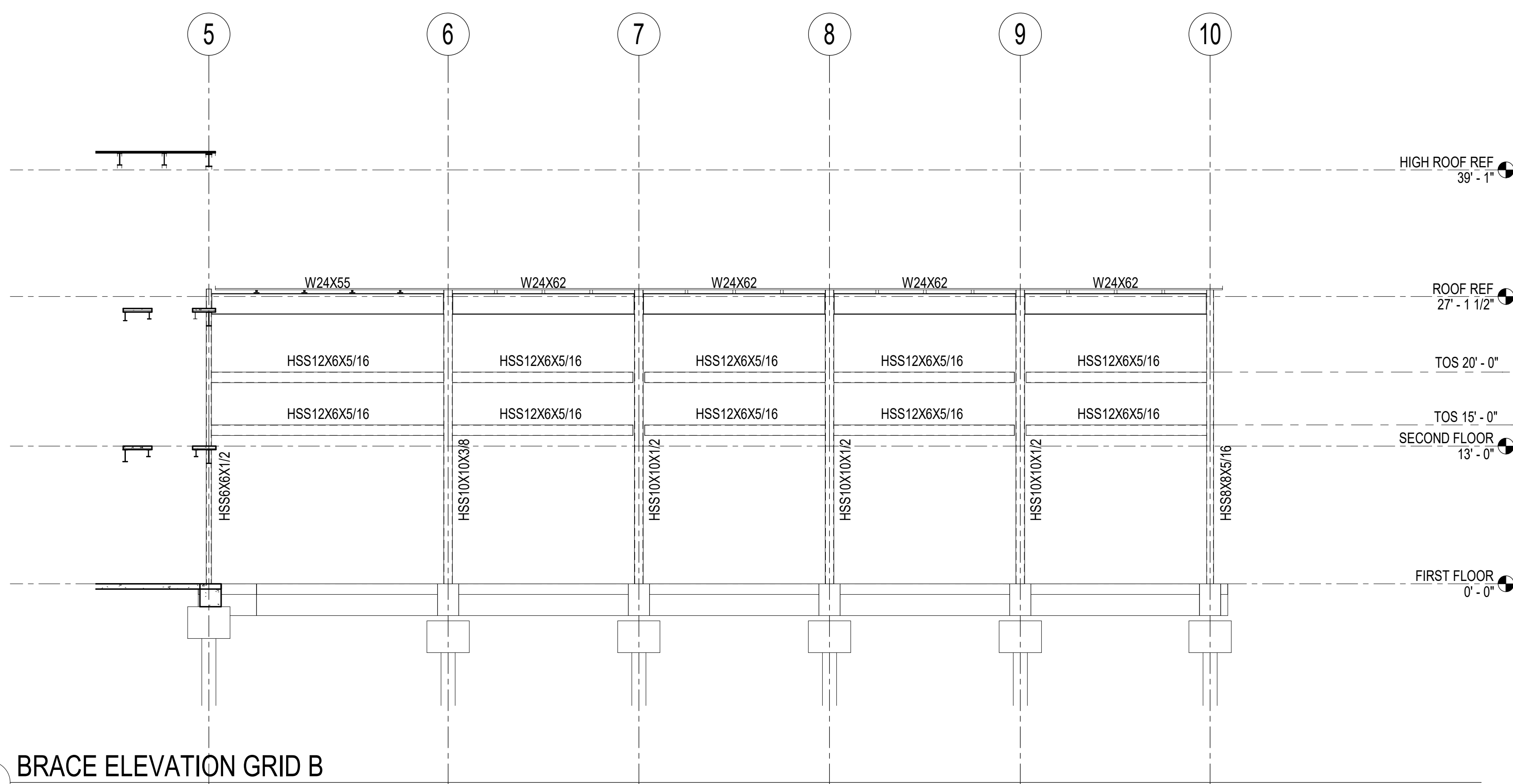
2 BRACE ELEVATION - GRID D  
1/8" = 1'-0"



3 BRACE ELEVATION - GRID G  
1/8" = 1'-0"



4 BRACE ELEVATION - GRID J  
1/8" = 1'-0"



5 BRACE ELEVATION GRID B  
1/8" = 1'-0"

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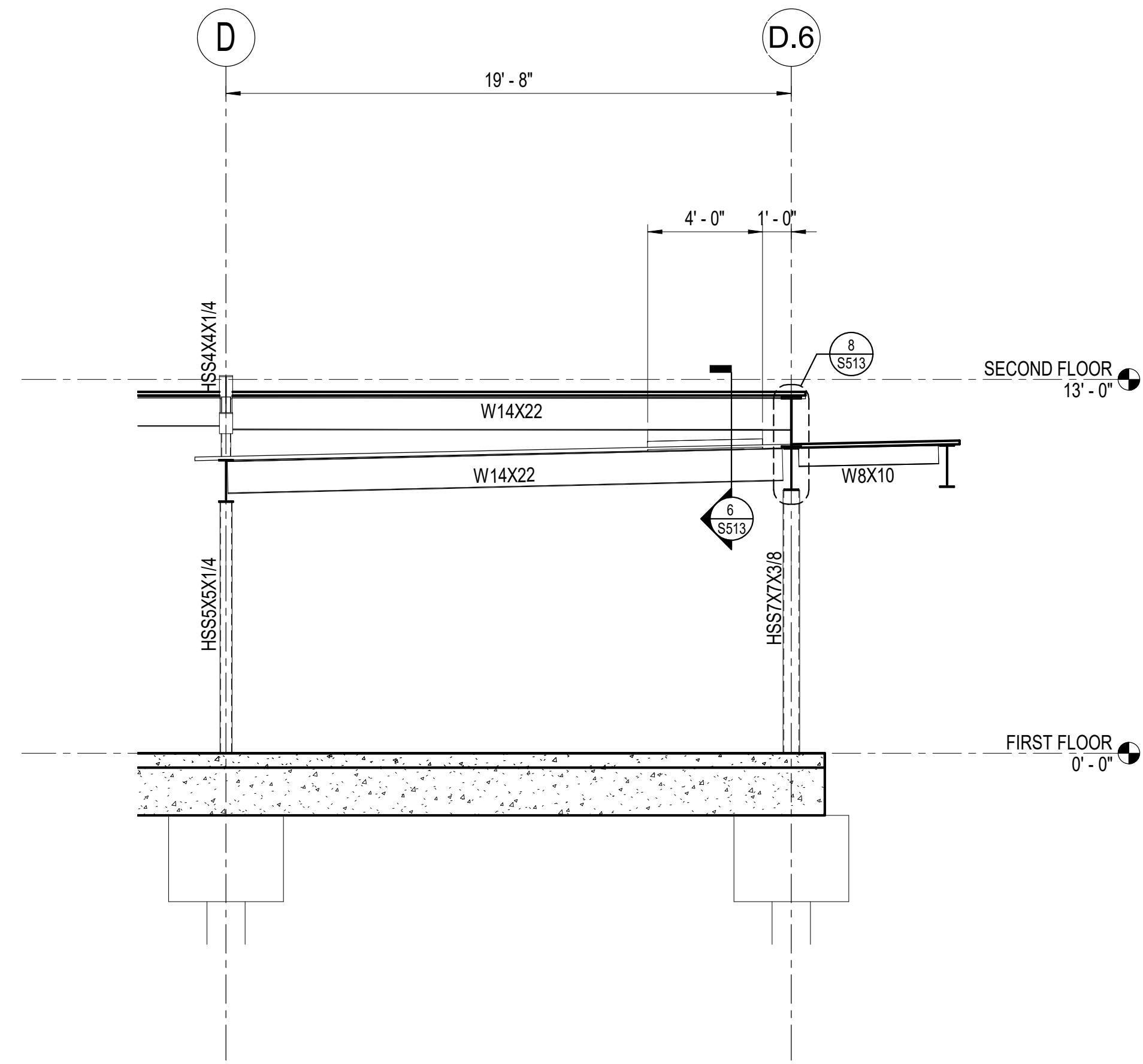
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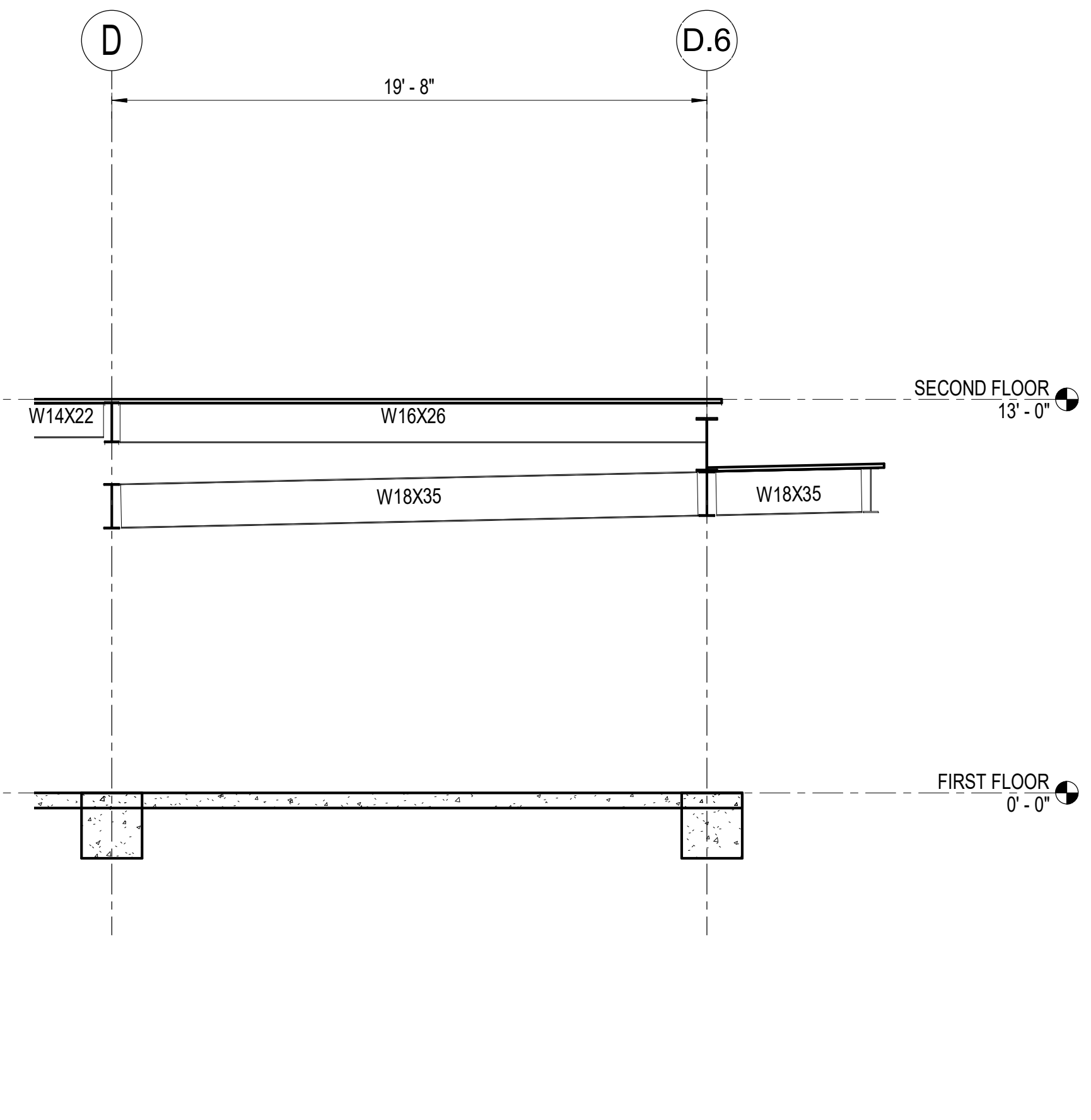
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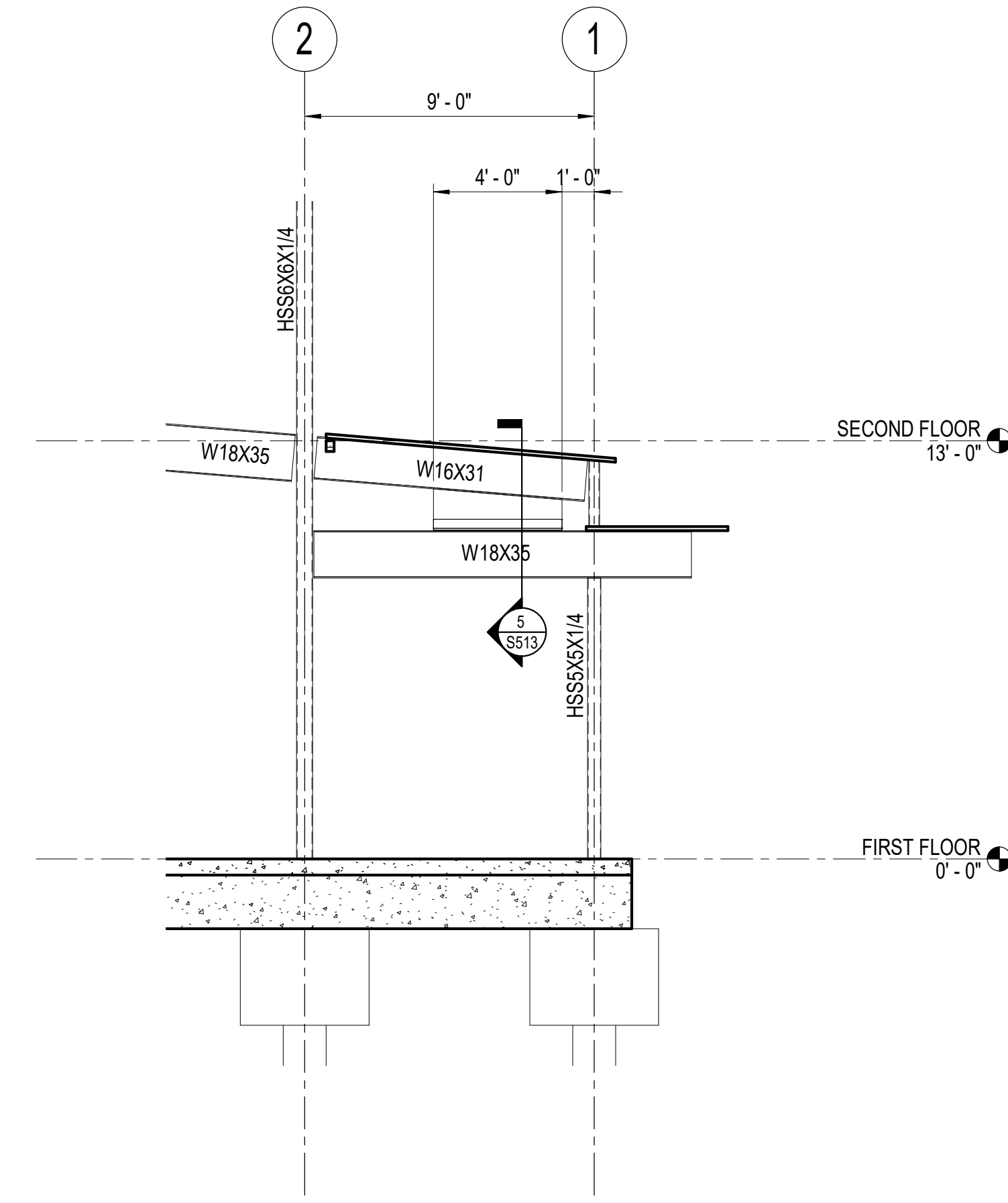
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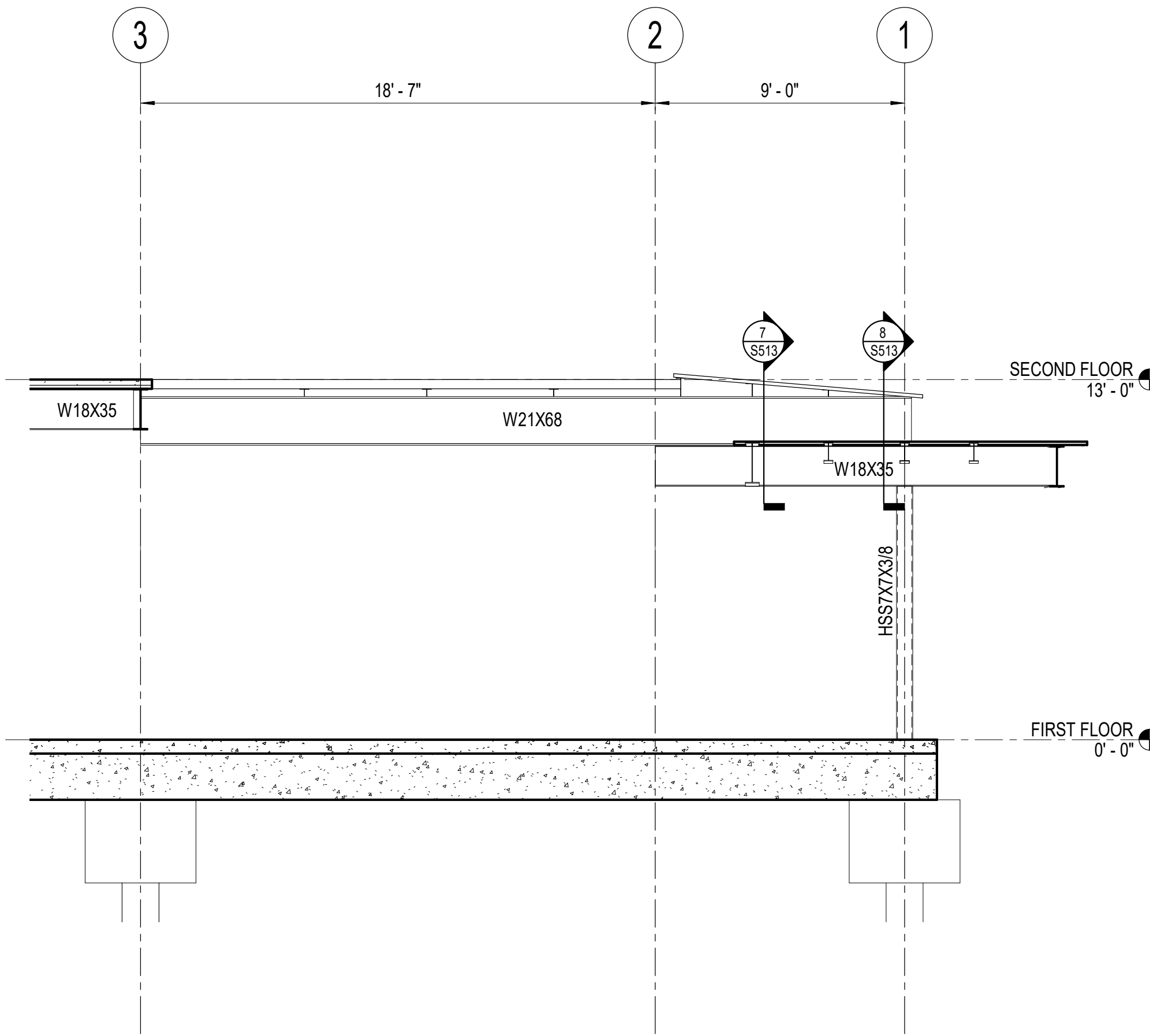
1 CANOPY FRAMING ELEVATION - GRID 1  
1/4" = 1'-0"



2 CANOPY FRAMING ELEVATION - GRID 1.5  
1/4" = 1'-0"



3 CANOPY FRAMING ELEVATION - GRID D  
1/4" = 1'-0"



4 CANOPY FRAMING ELEVATION - GRID D.6  
1/4" = 1'-0"

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CANOPY FRAME ELEVATIONS

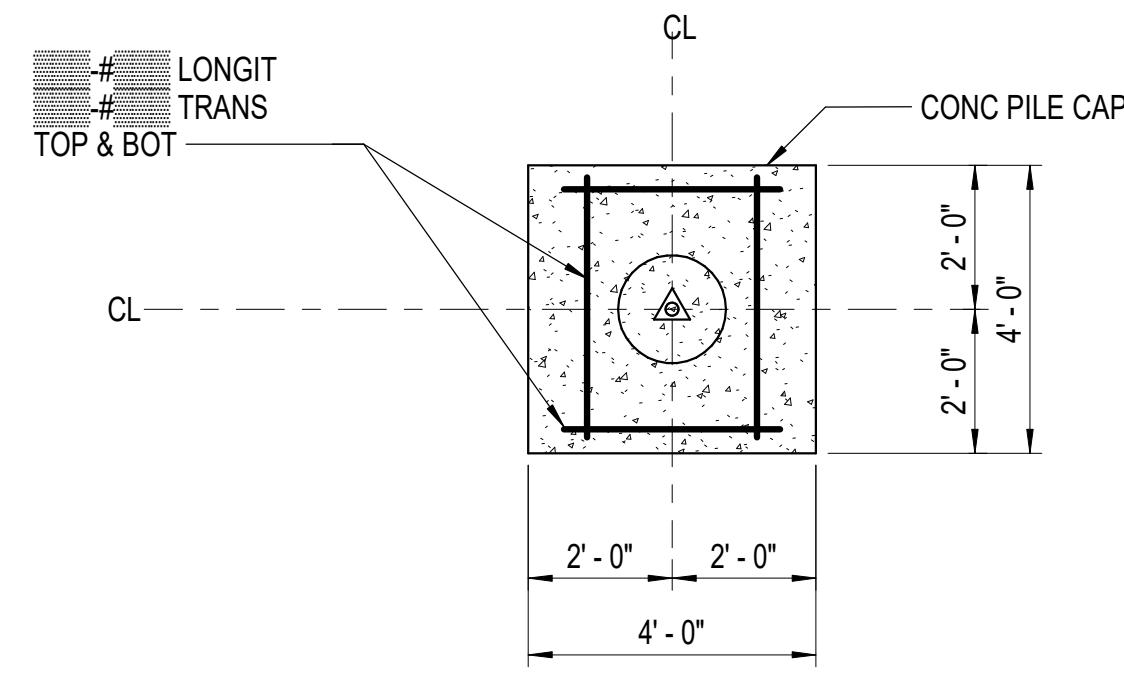
**S203**

BETTISWORTH NORTH ARCHITECTS & PLANNERS

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

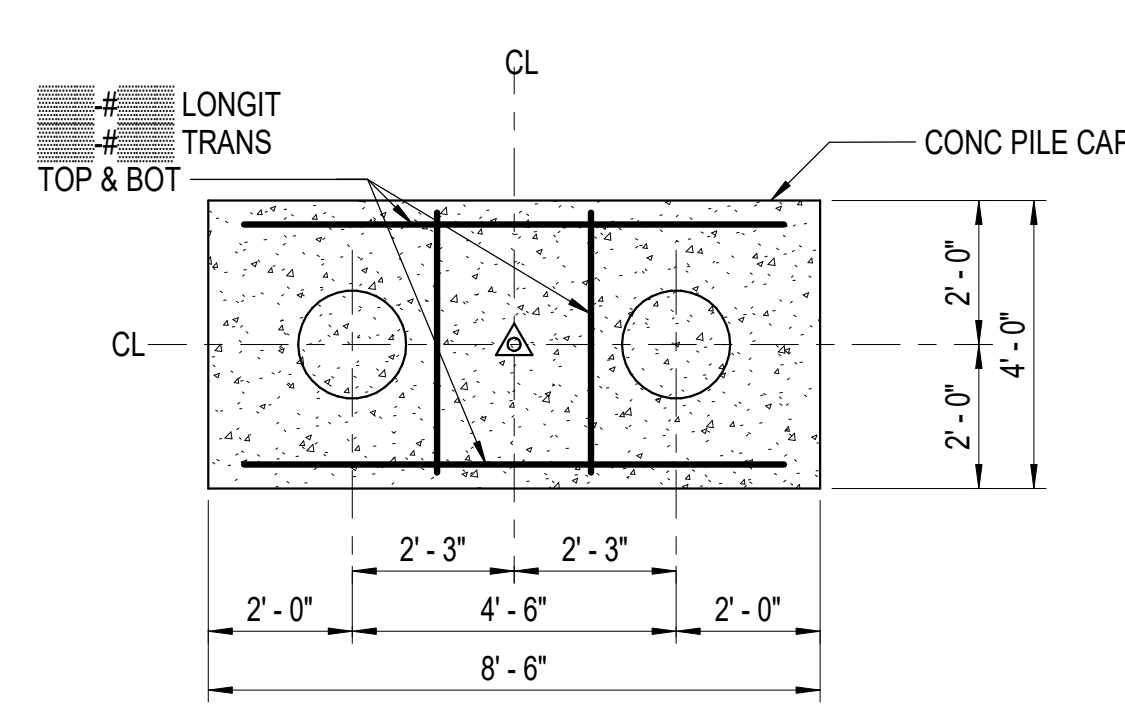
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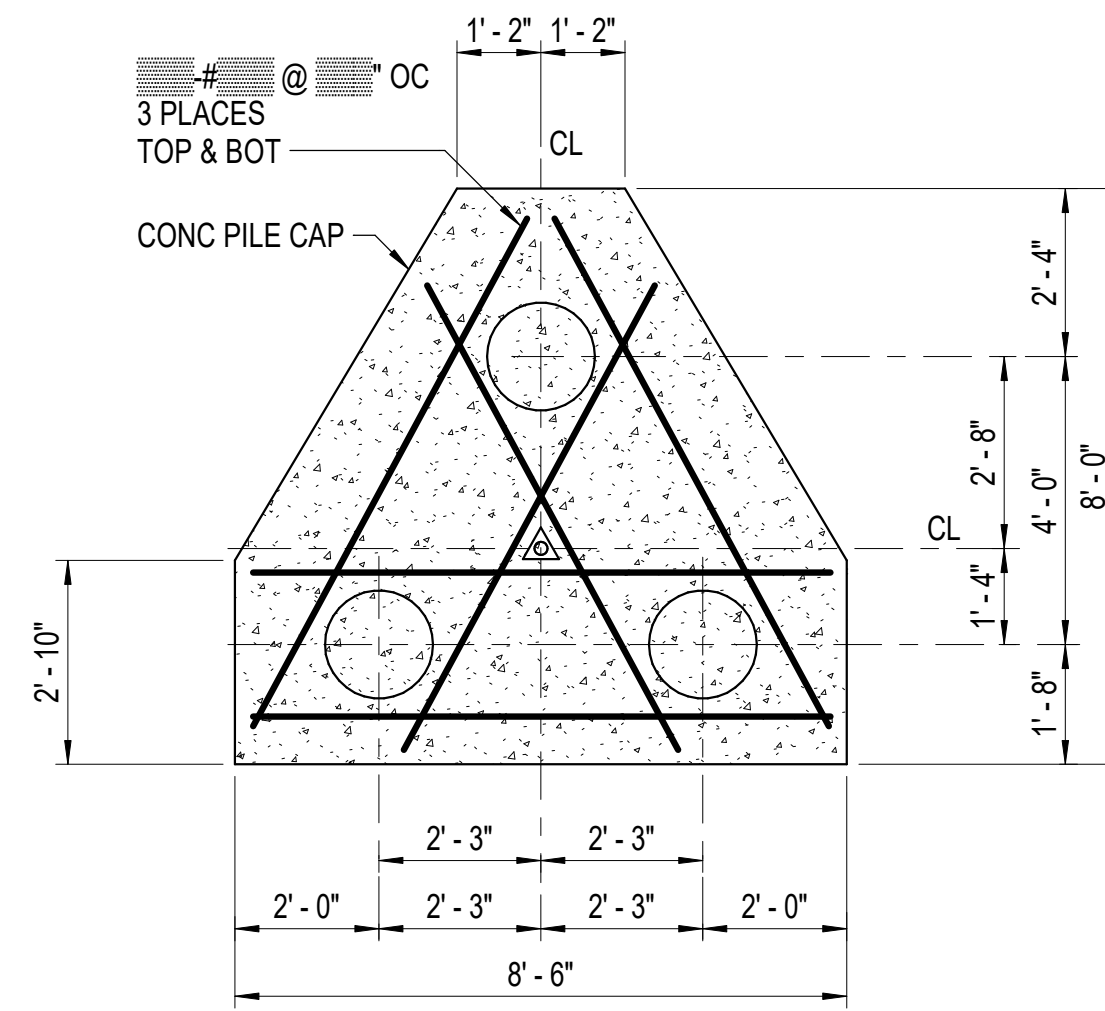
NOTE:  
CAP THICKNESS 3'-0".

1 PILES  
3/8" = 1'-0"



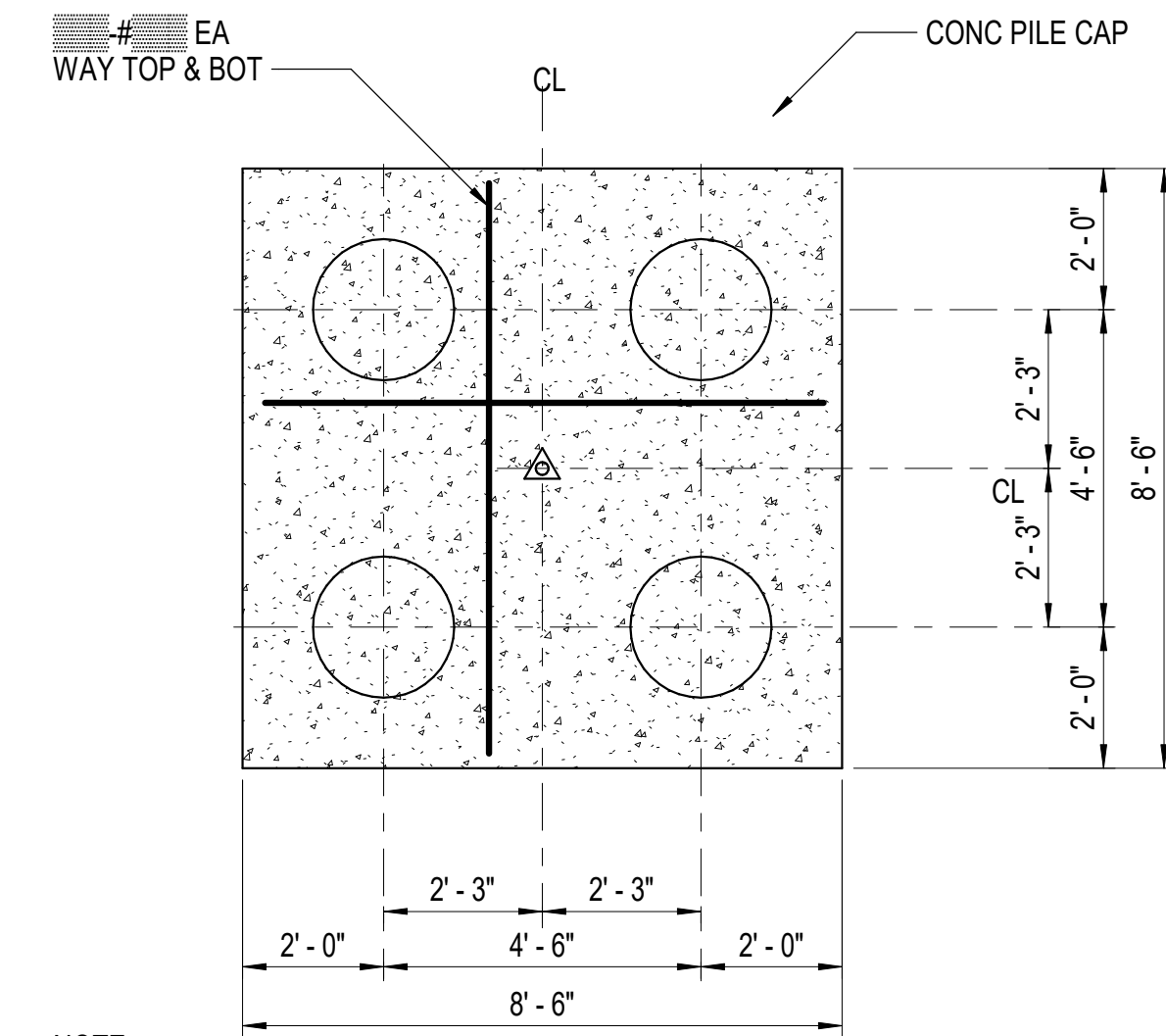
NOTE:  
CAP THICKNESS 3'-0".

2 PILES  
3/8" = 1'-0"



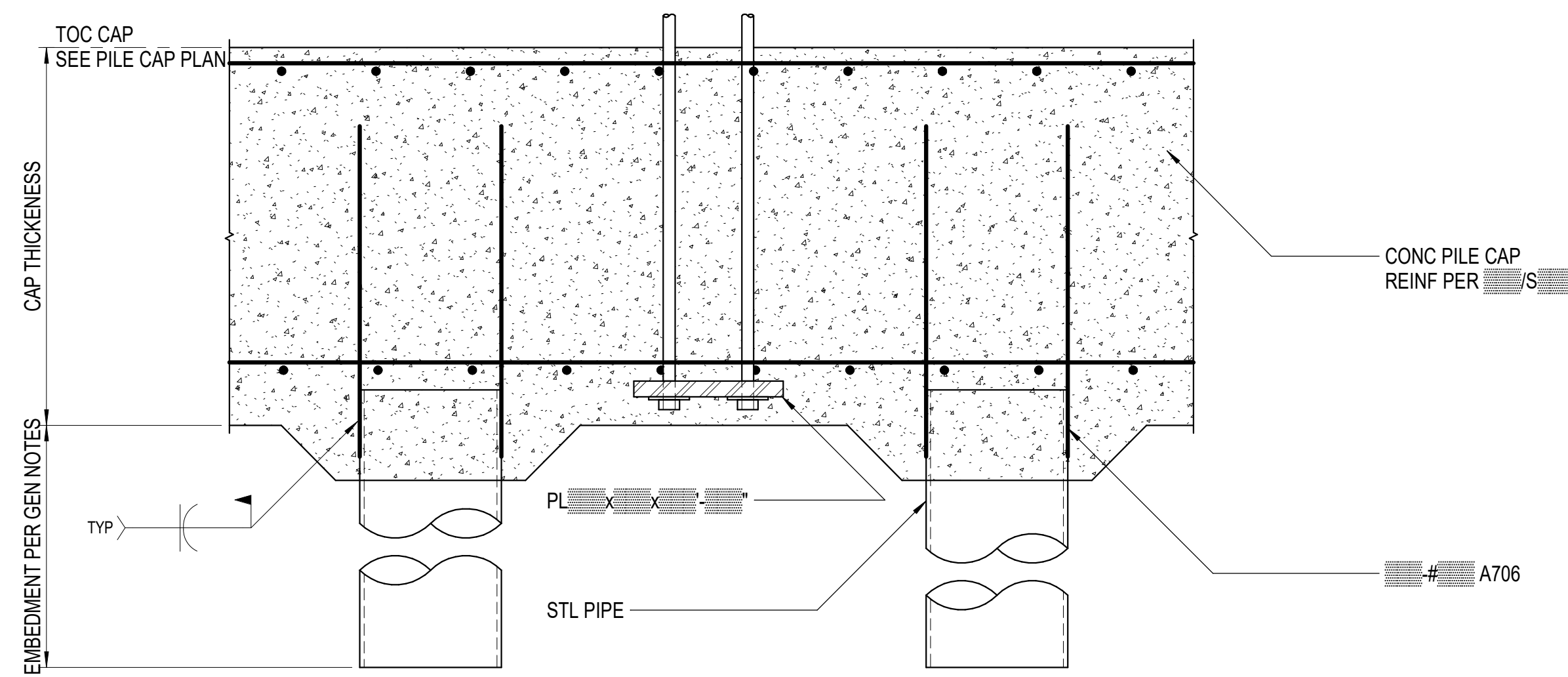
NOTE:  
CAP THICKNESS 3'-0".

3 PILES  
3/8" = 1'-0"



NOTE:  
CAP THICKNESS 3'-0".

4 PILES  
3/8" = 1'-0"



5 CONC PILE CAP AND PILE CONN  
3/4" = 1'-0"

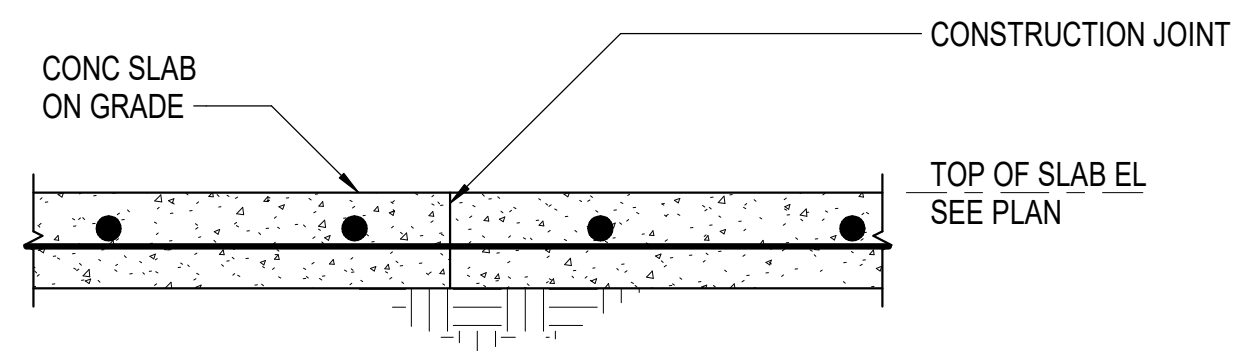
CONSULTANT:  
**BBFM**  
Engineers Inc.  
845 K Street  
Anchorage, AK 99501  
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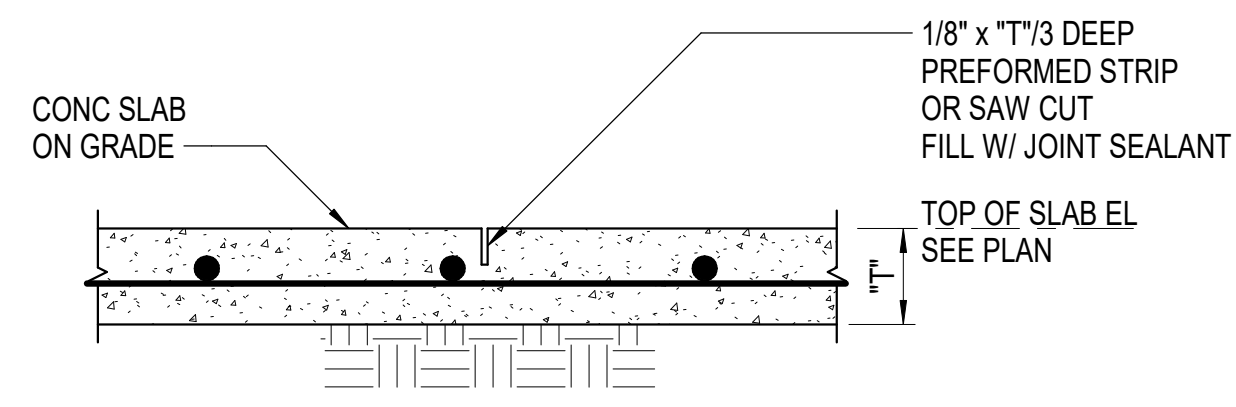
IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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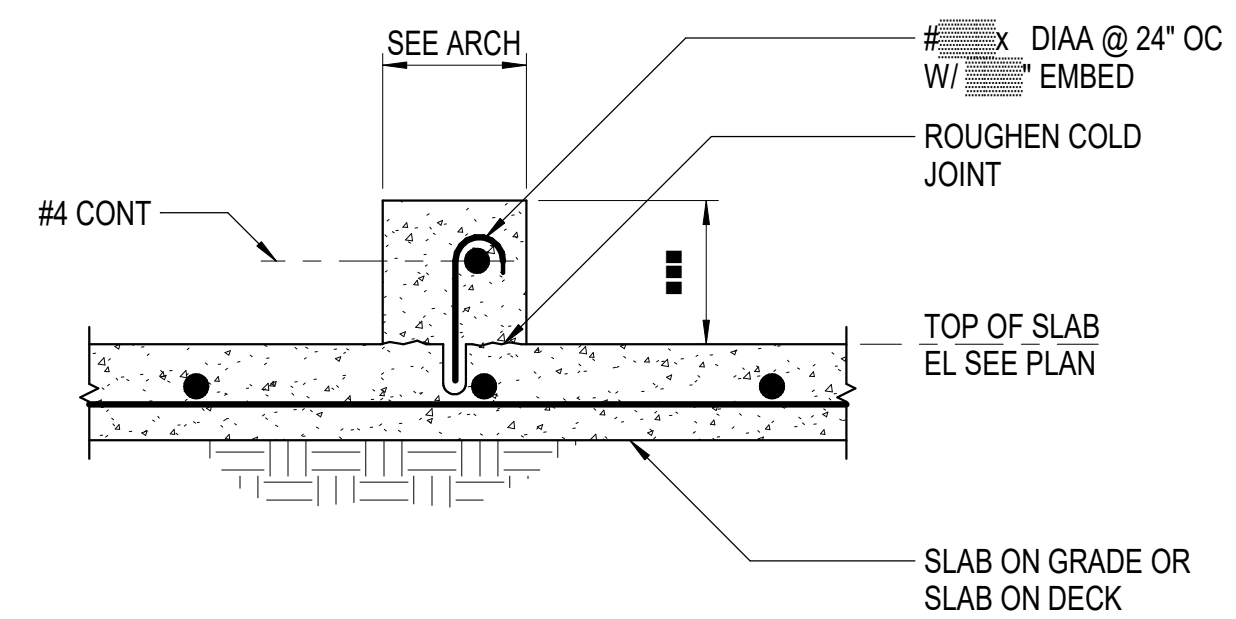
**NOTE:**  
PLACE CONSTRUCTION OR CONTROL JOINTS AT COLUMN LINES AND @ 18'-0" OC EW MAX.

**1 CONSTRUCTION JOINT**  
1 1/2" = 1'-0"

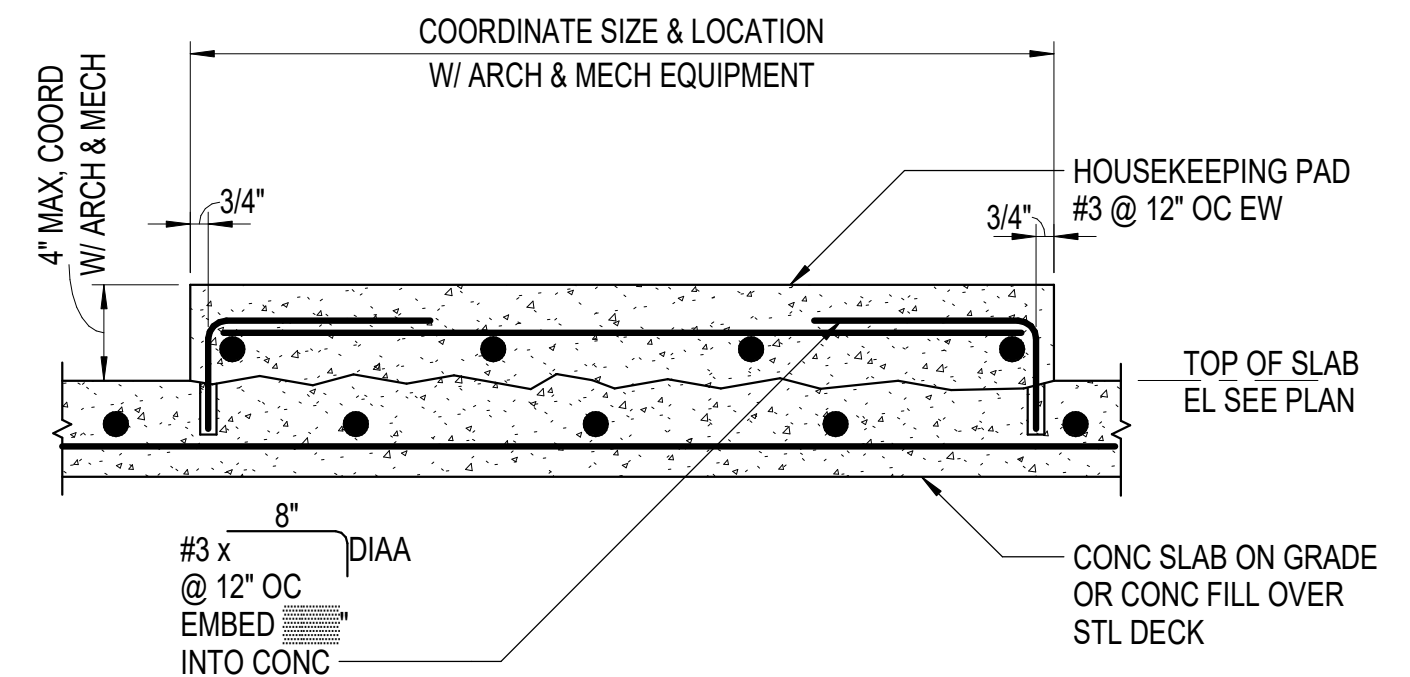


**NOTES:**  
1. PERFORM ALL SAW CUTS WITHIN 12 HOURS OF CONCRETE POUR.  
2. PLACE CONSTRUCTION OR CONTROL JOINTS AT COLUMN LINES AND @ 18'-0" OC EW MAX.

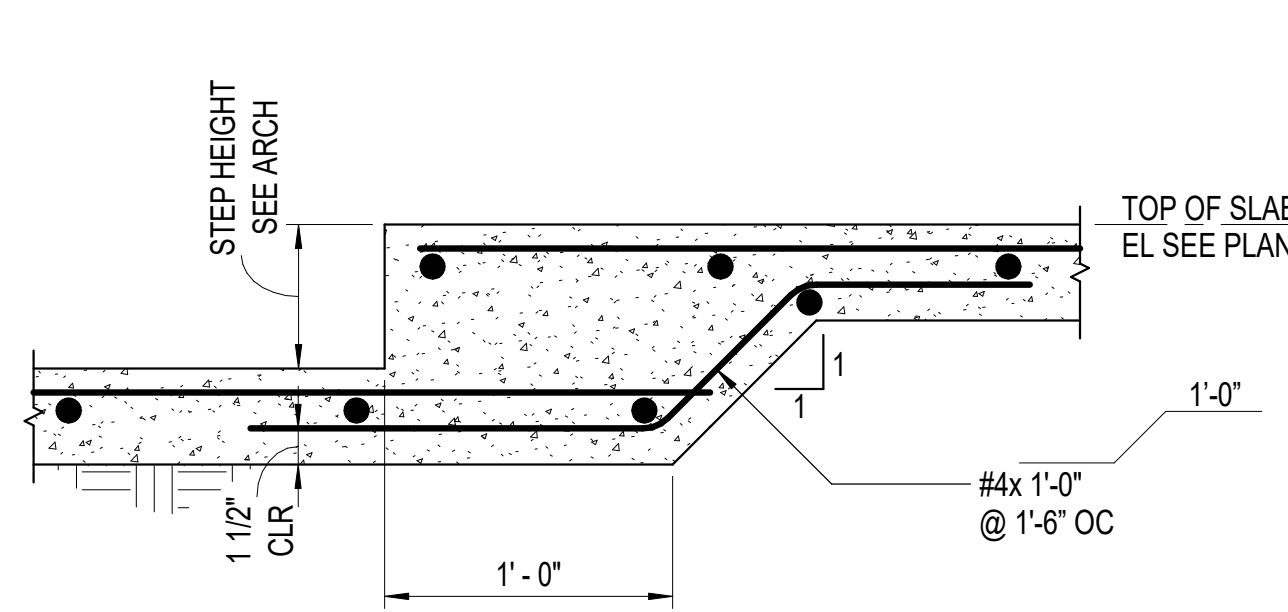
**2 CONTROL JOINT**  
1 1/2" = 1'-0"



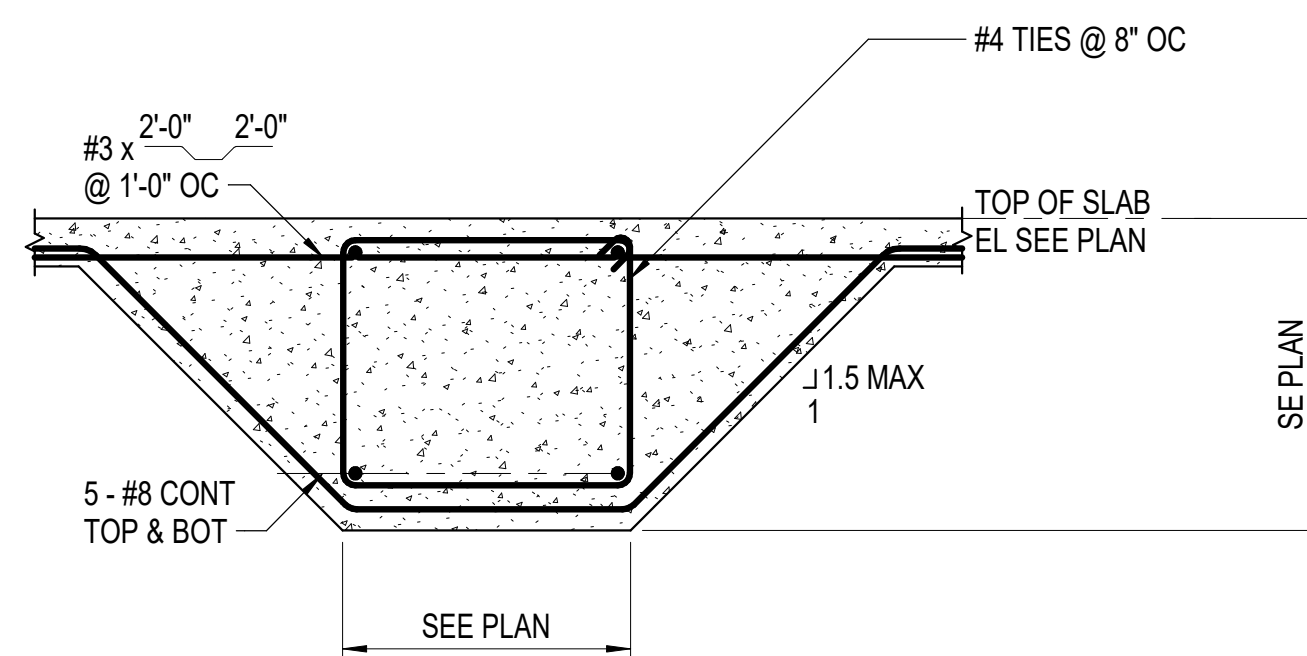
**3 CURB**  
1 1/2" = 1'-0"



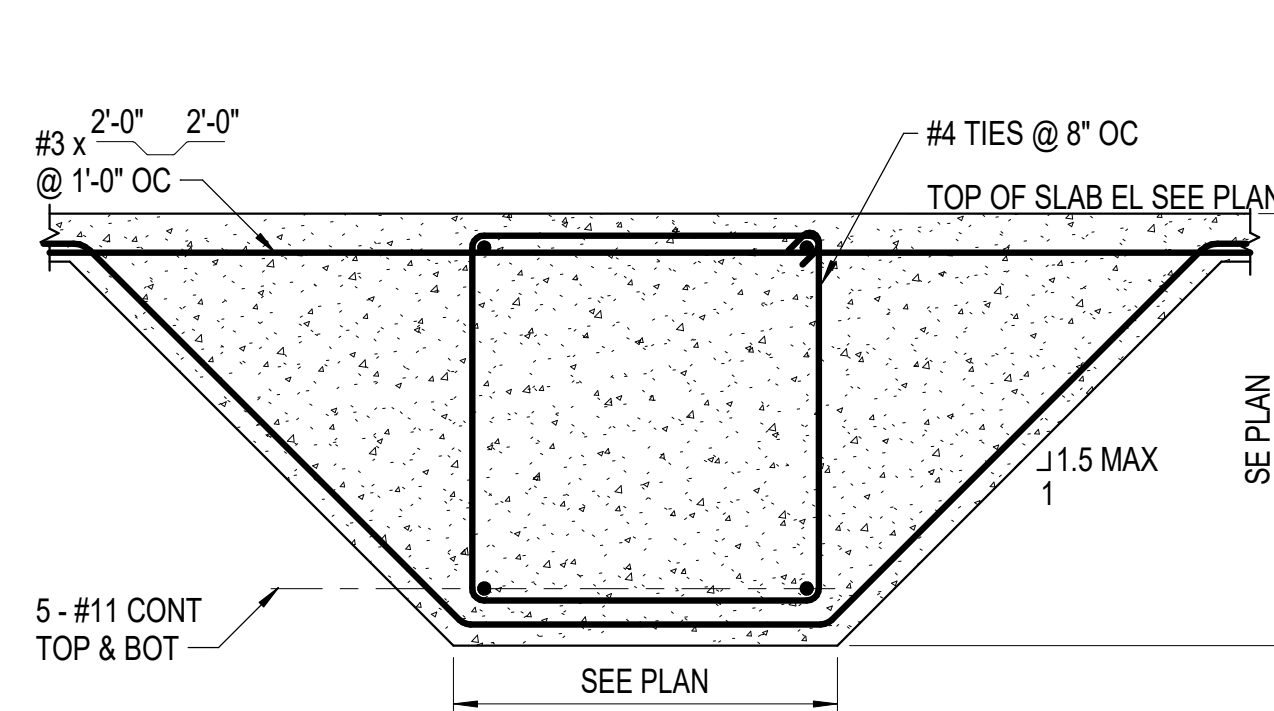
**4 HOUSEKEEPING PAD**  
1 1/2" = 1'-0"



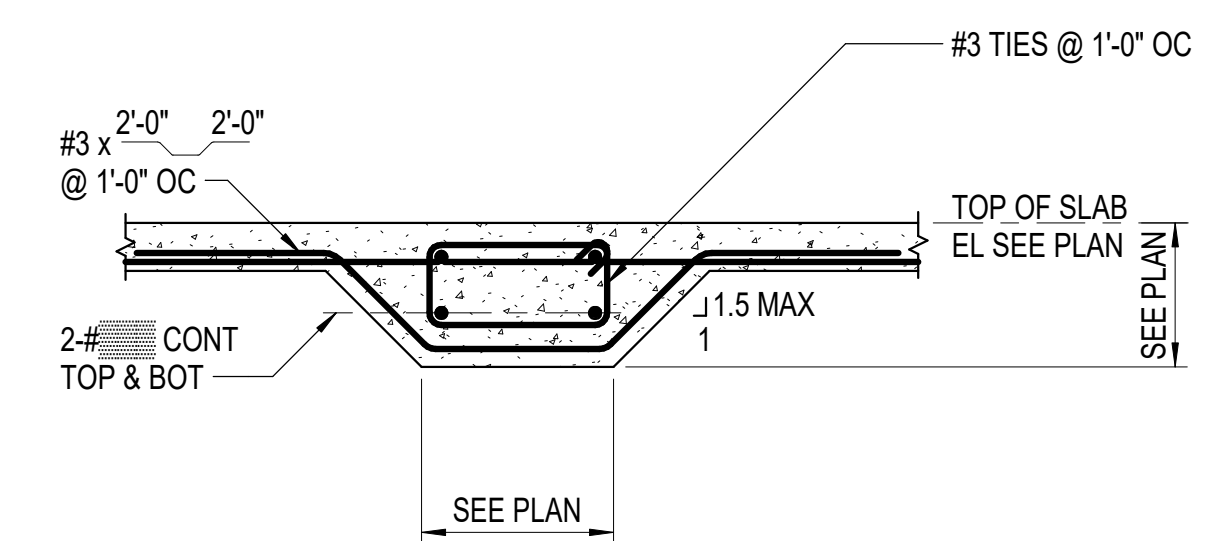
**5 DEPRESSED SLAB**  
1 1/2" = 1'-0"



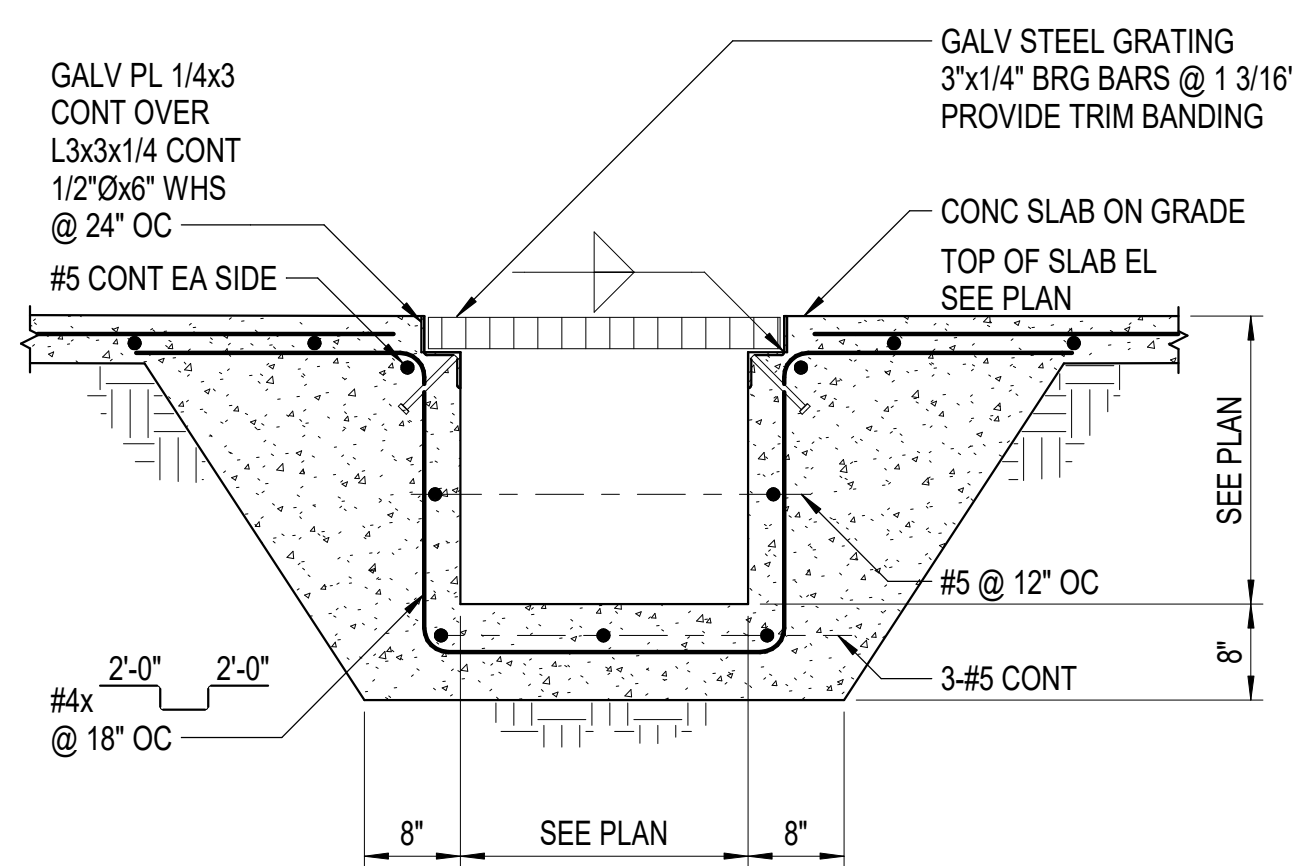
**6 GRADE BEAM DRAG STRUT SUPPORTING 6" OR 8" SLAB**  
3/4" = 1'-0"



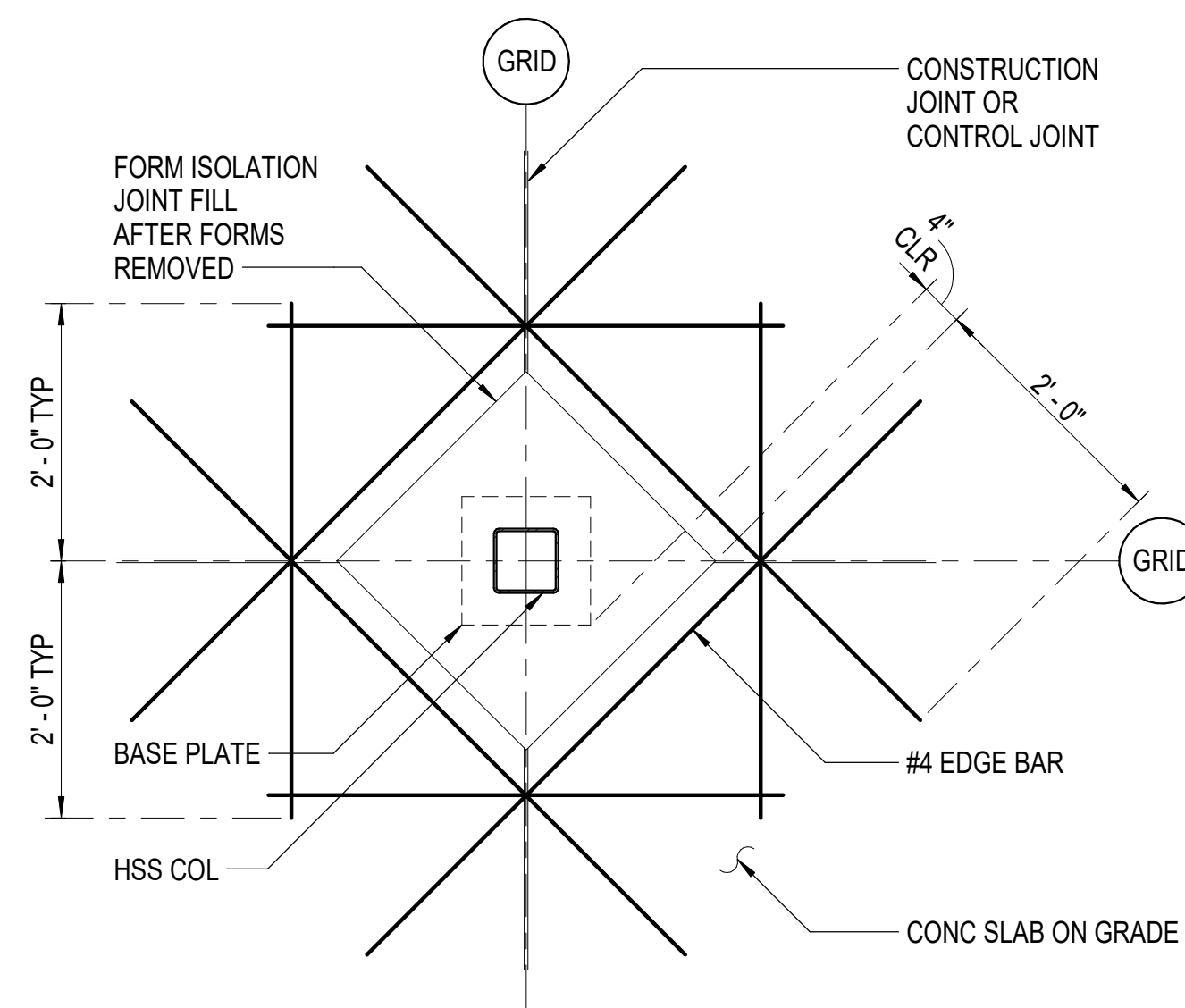
**7 GRADE BEAM DRAG STRUT SUPPORTING 12" SLAB**  
3/4" = 1'-0"



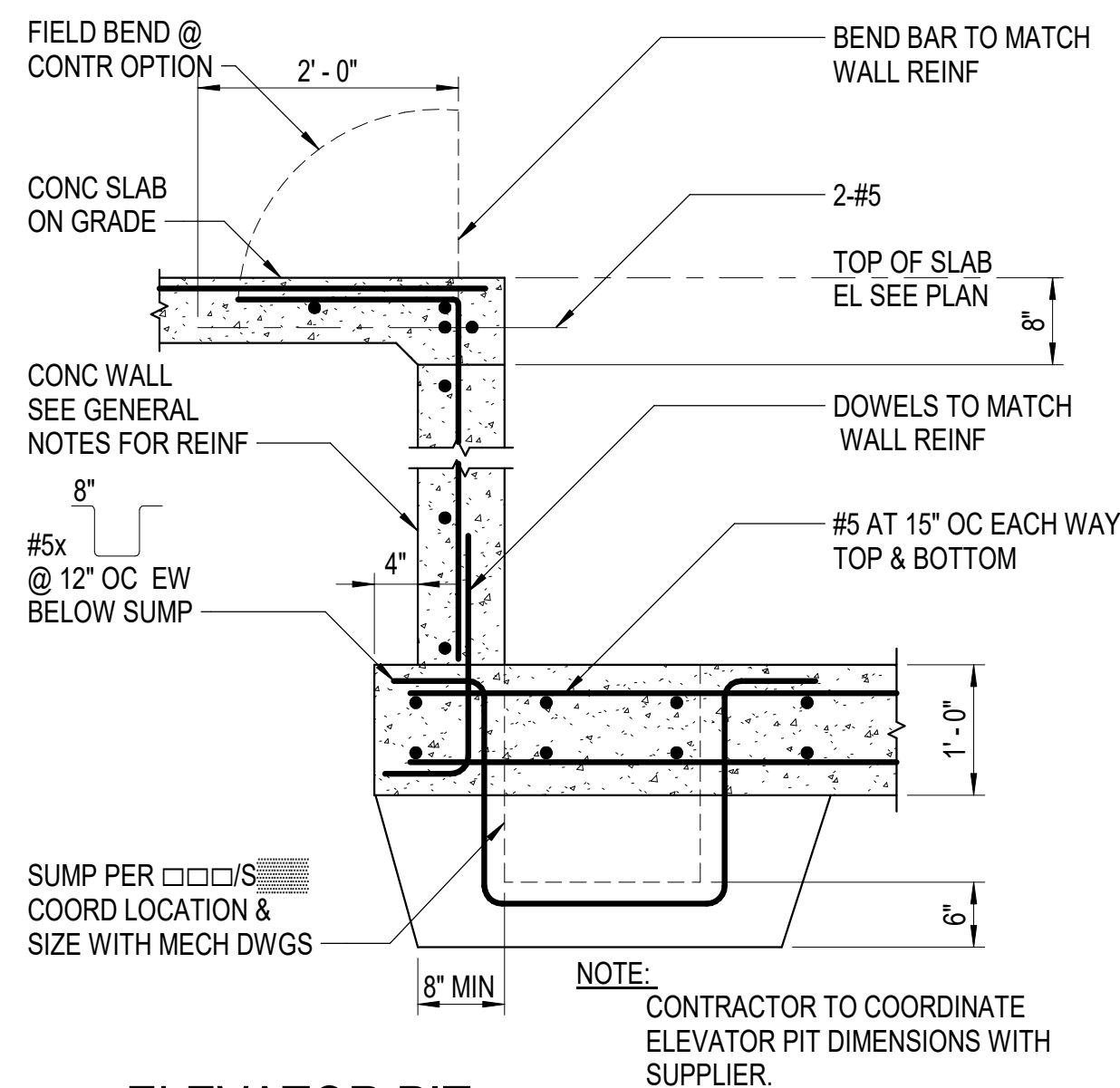
**8 GRADE BEAM DRAG STRUT**  
3/4" = 1'-0"



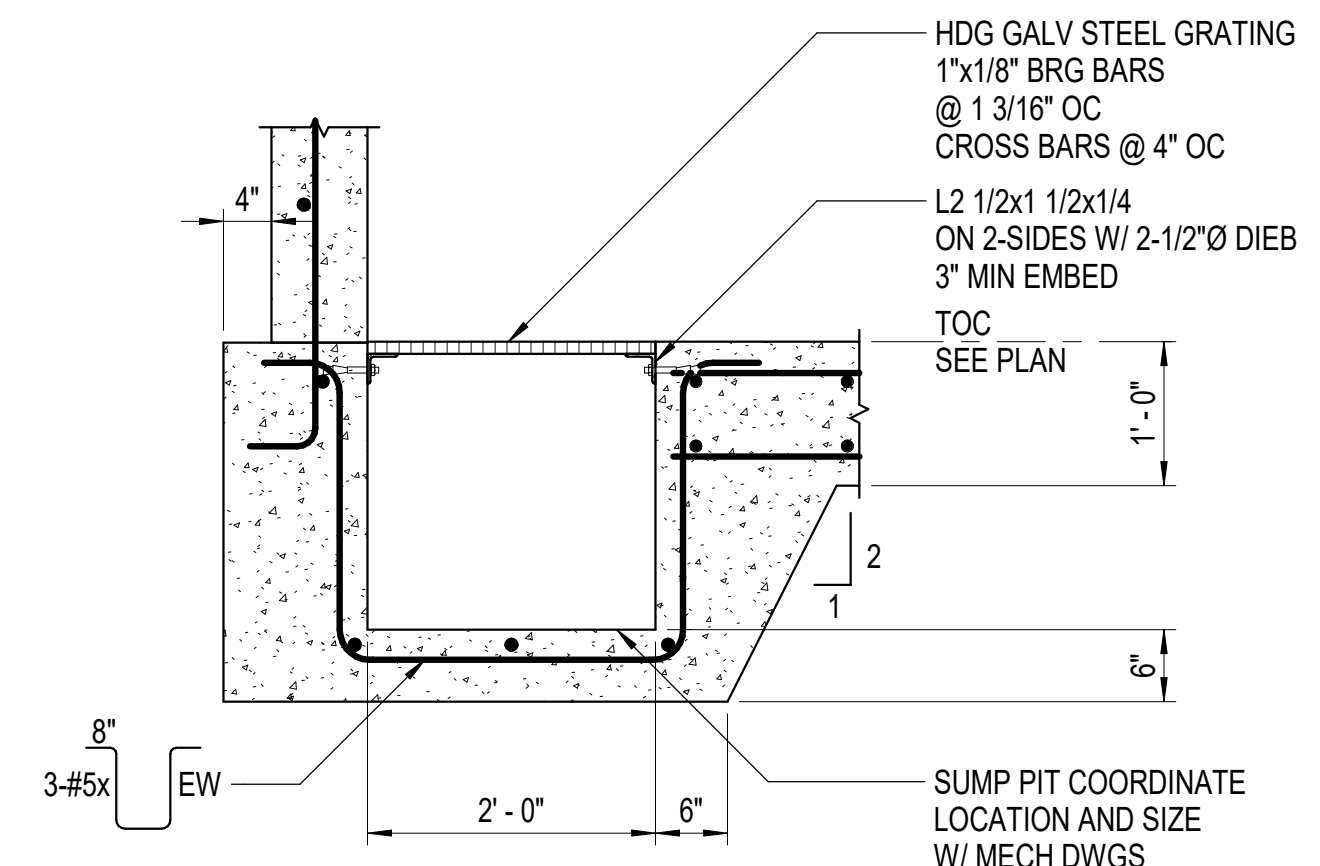
**9 TRENCH DRAIN**  
3/4" = 1'-0"



**10 SLAB ON GRADE BLOCKOUT AT COL**  
3/4" = 1'-0"



**11 ELEVATOR PIT**  
3/4" = 1'-0"



**12 SUMP PIT**  
3/4" = 1'-0"

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CHECKED BY: Checker

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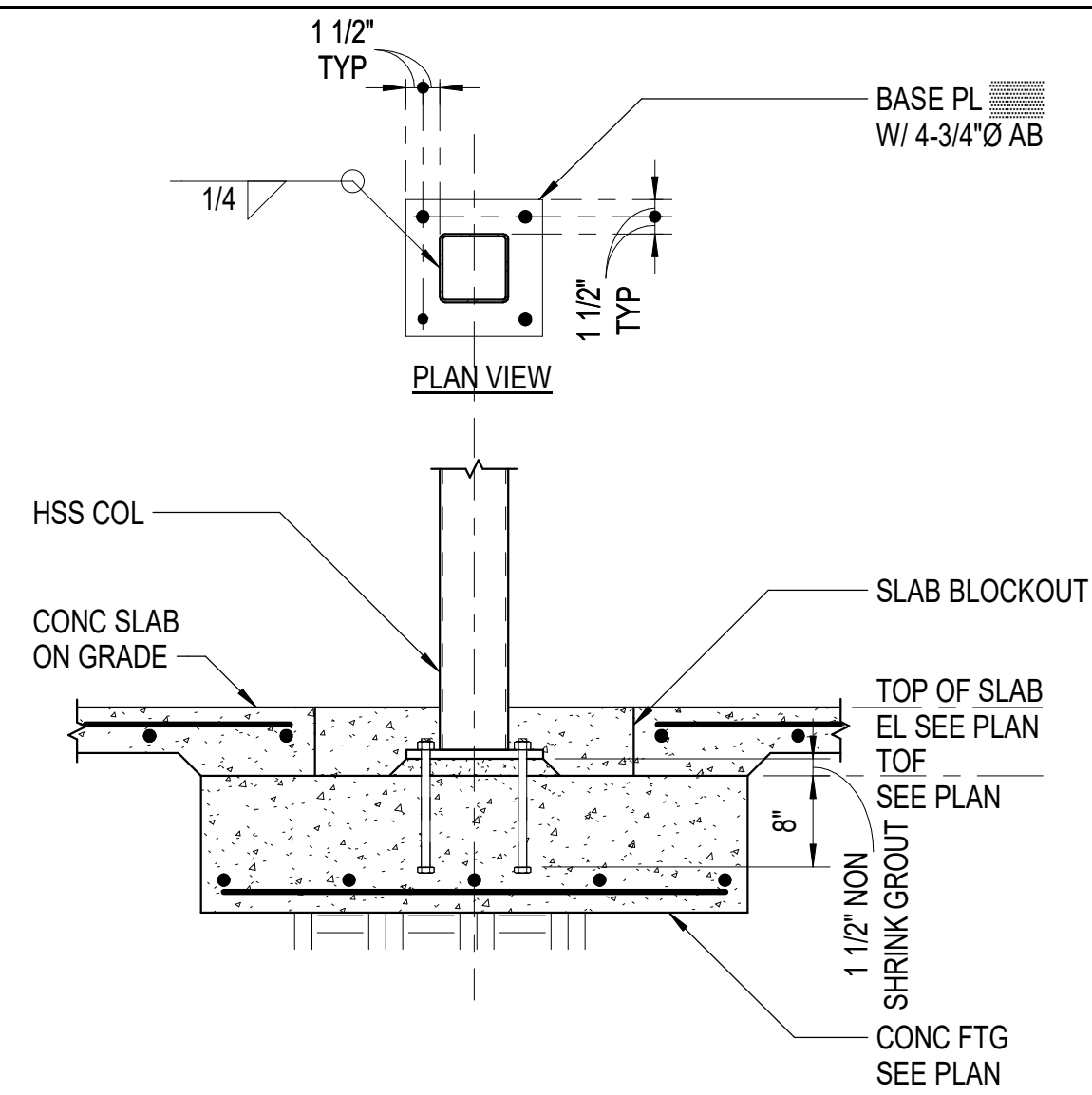
FOUNDATION DETAILS  
**S502**  
BETTISWORTH NORTH ARCHITECTS & PLANNERS

NOT FOR CONSTRUCTION

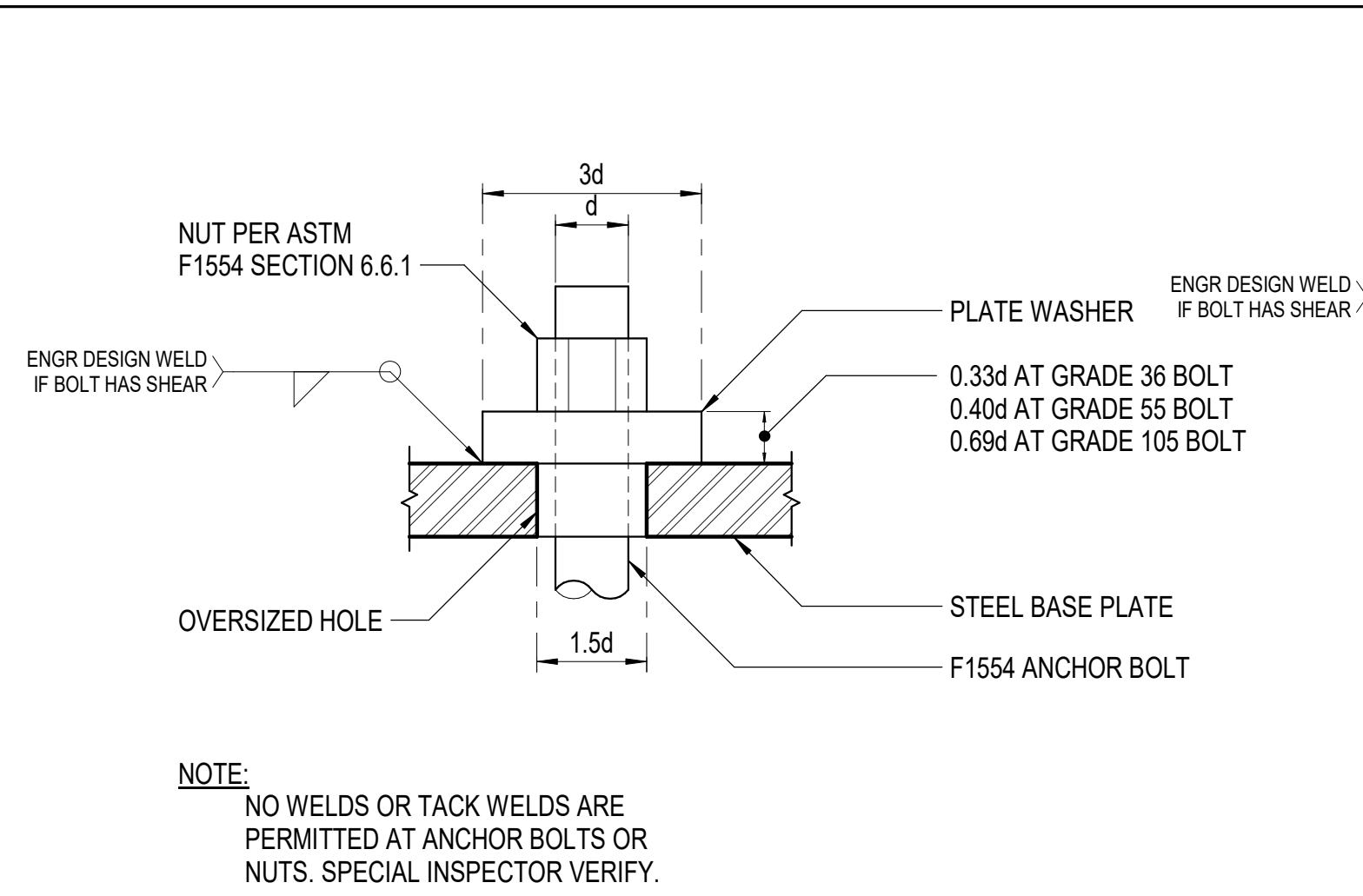
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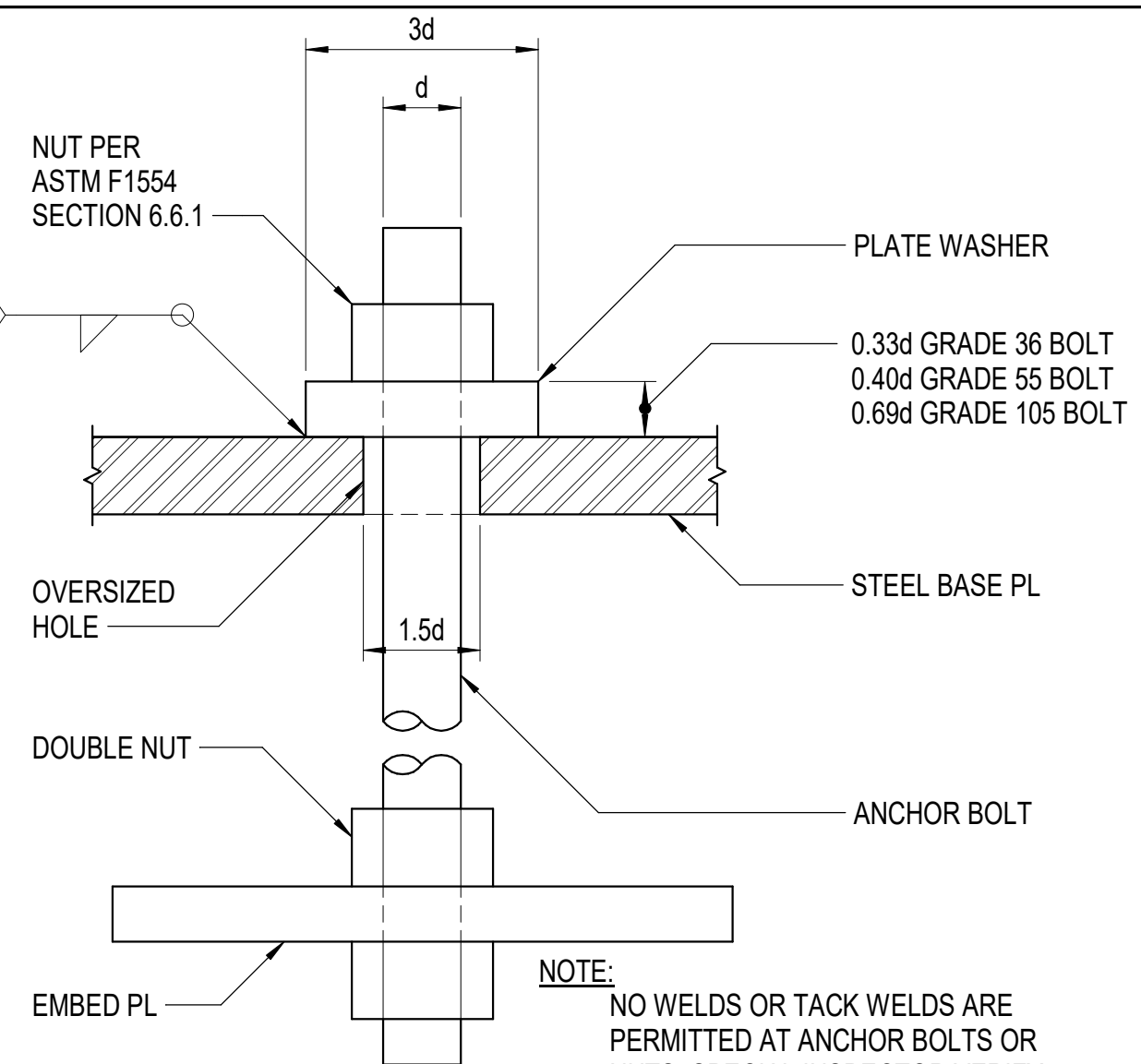
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**1** INTERIOR HSS COL TO FOOTING  
3/4" = 1'-0"



**2** F1554 ANCHOR BOLT  
NTS



**3** TYP ANCHOR BOLT DETAIL  
3/4" = 1'-0"

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Corporate Authorization No: C725

PROJECT NO: 20-130  
DATE: 2022-08-25  
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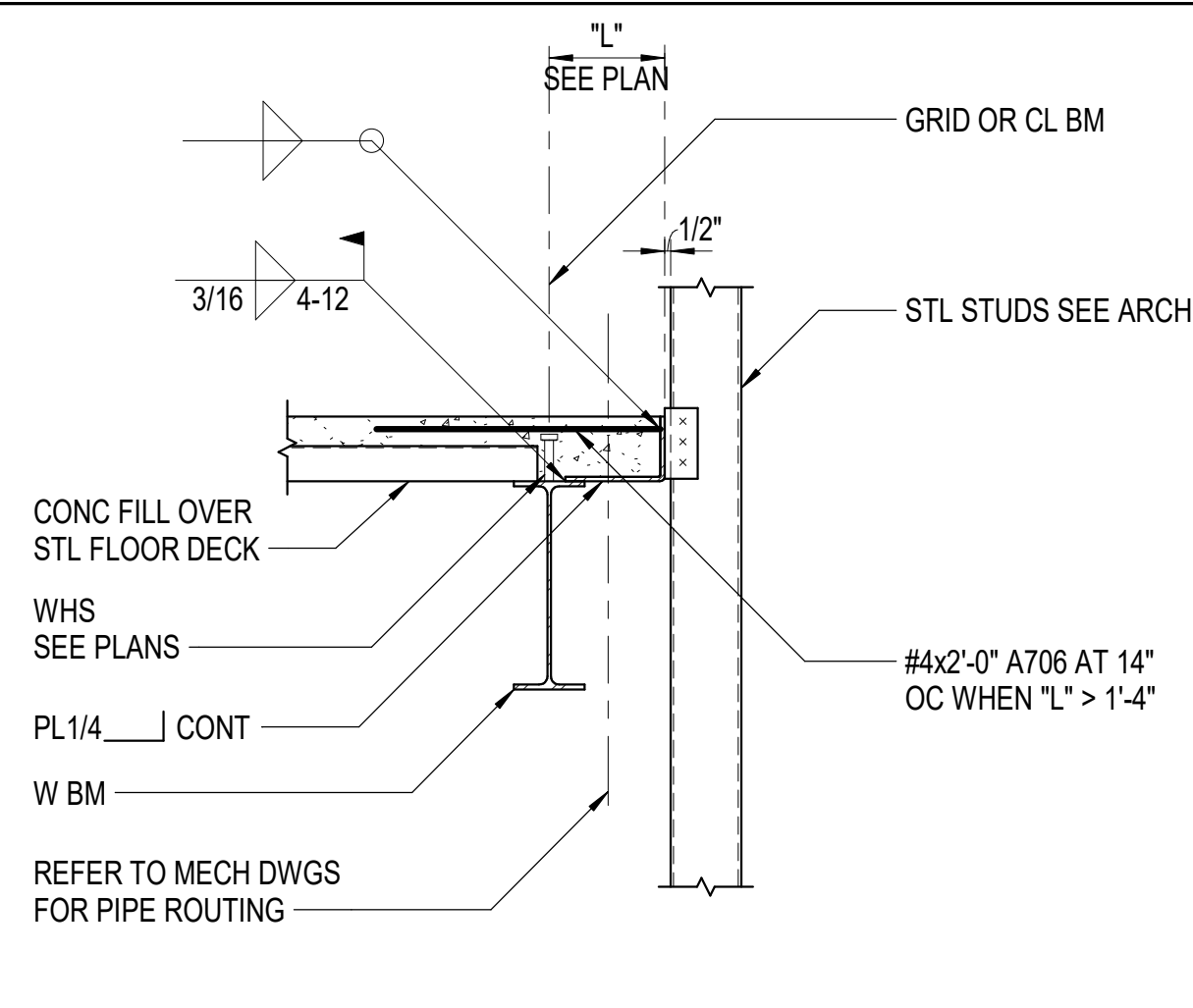
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FOUNDATION DETAILS  
**S503**

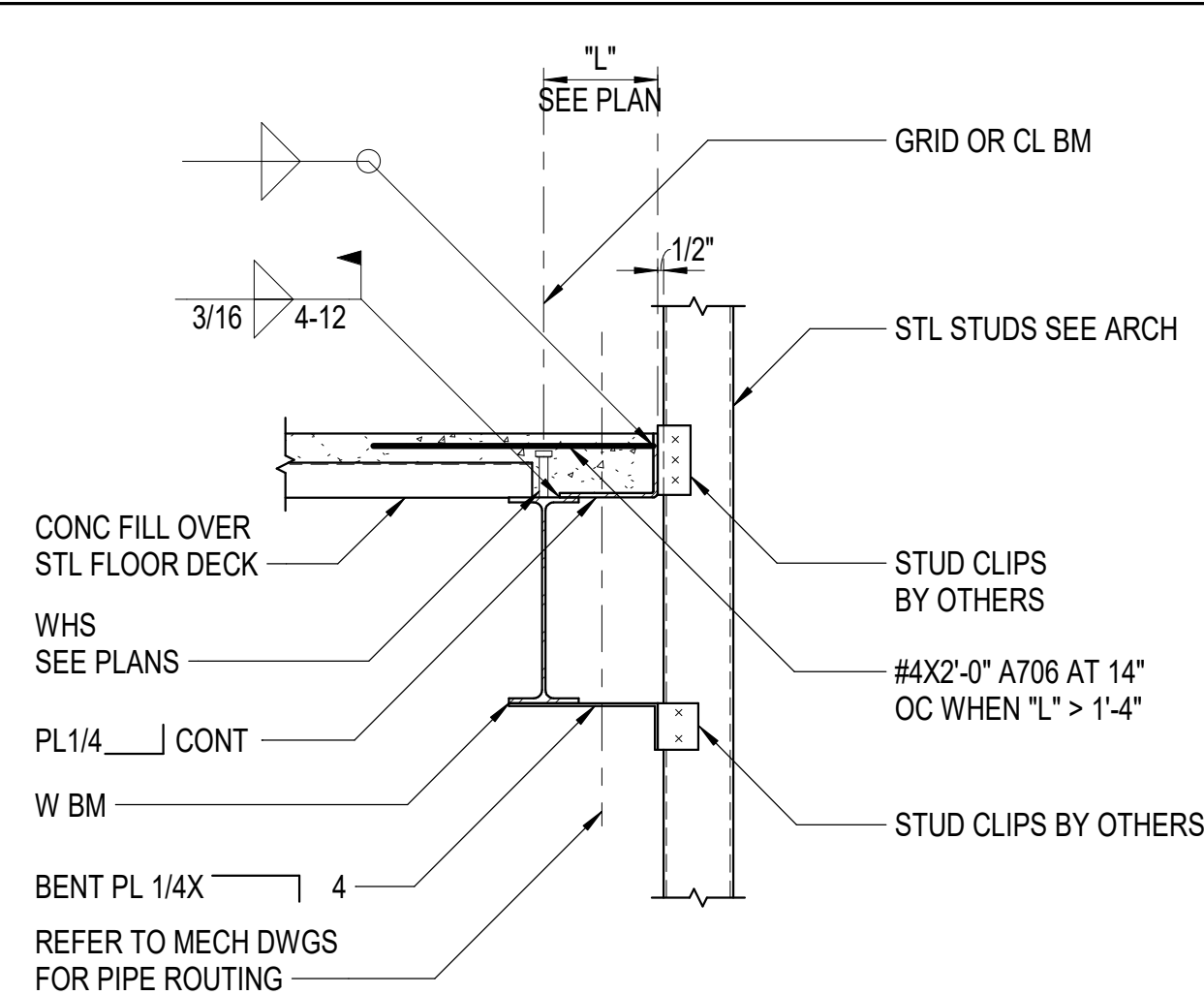
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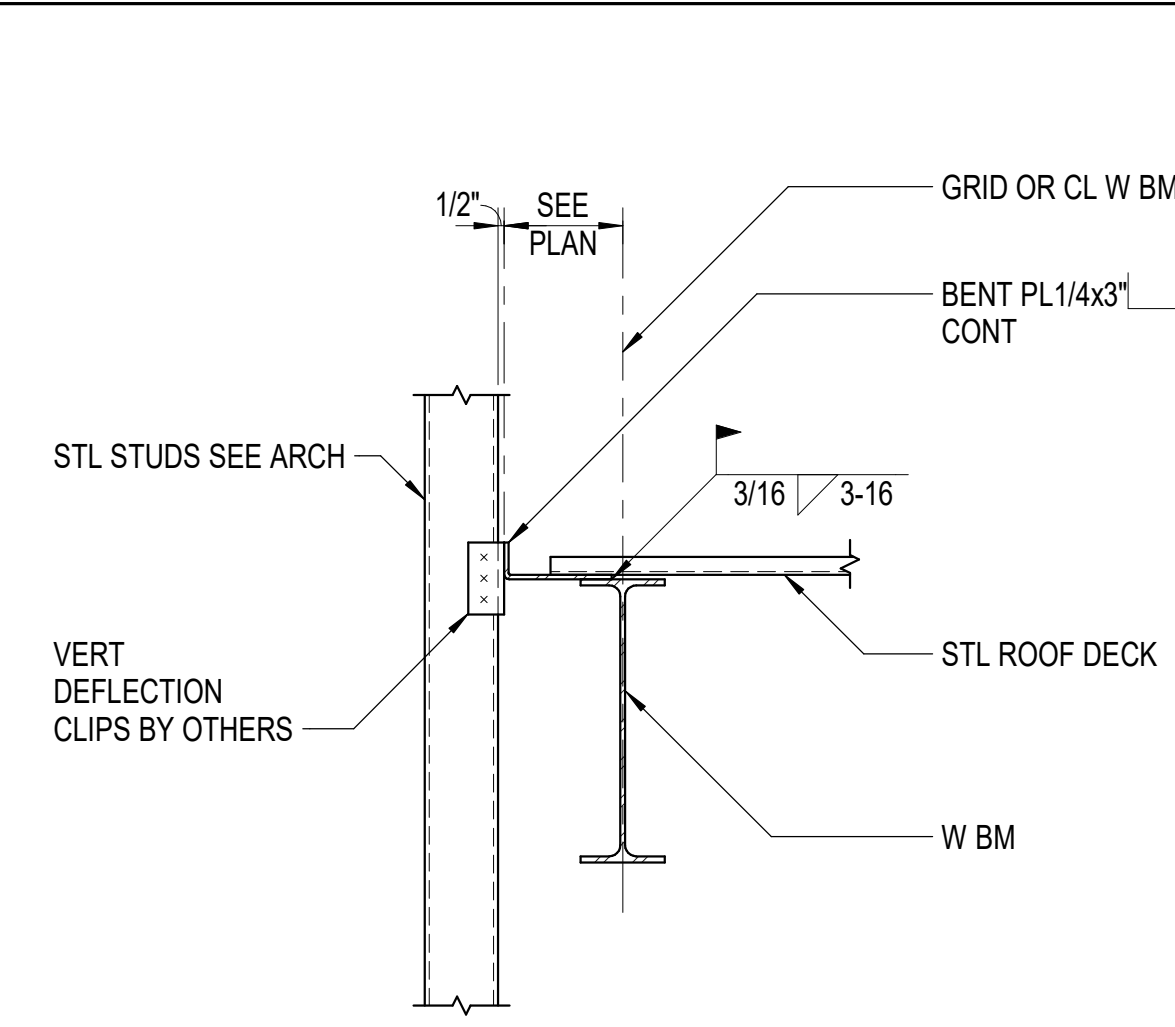
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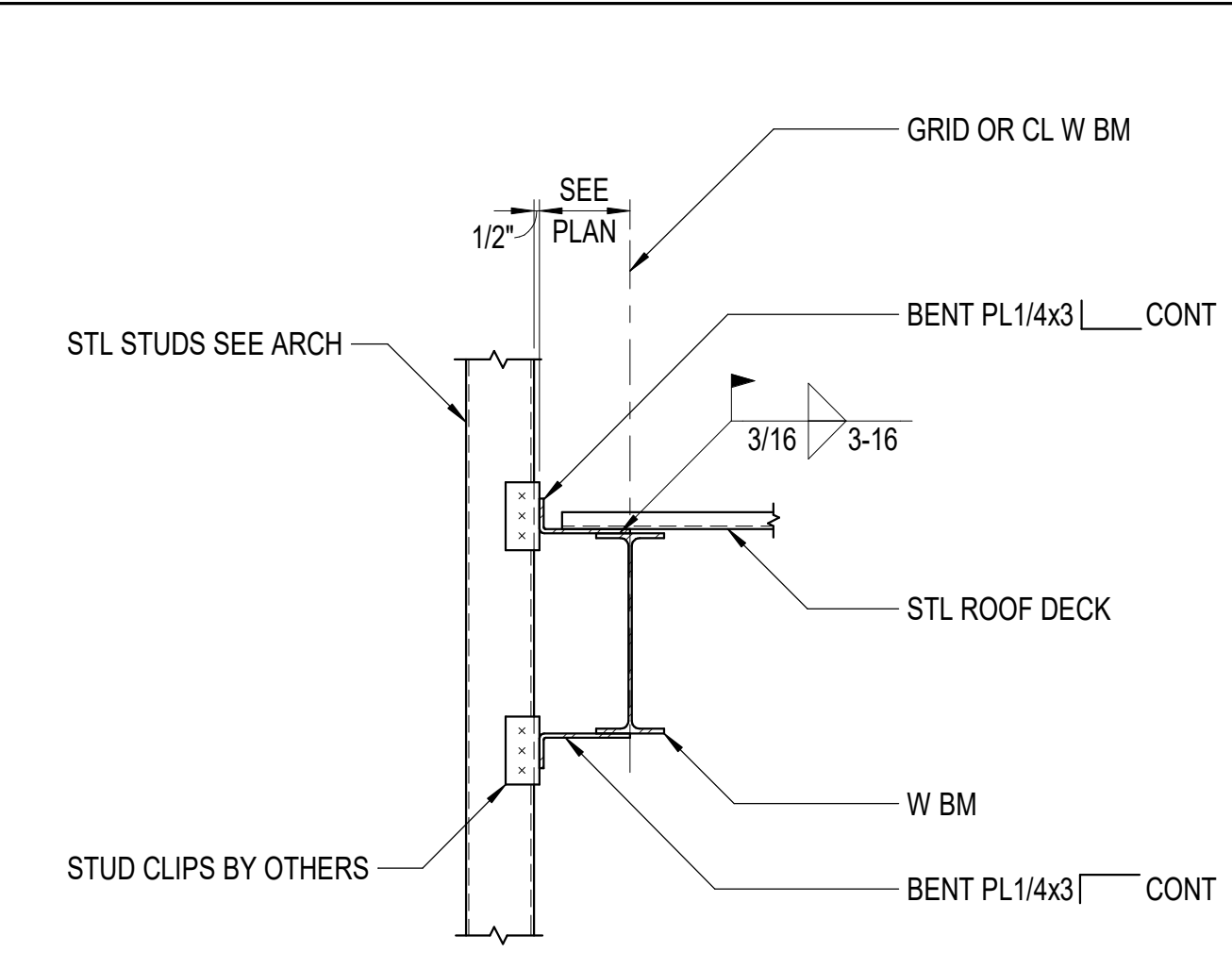
**1 FLOOR DECK EDGE STUDS @ WIDE OPNG**  
3/4" = 1'-0"



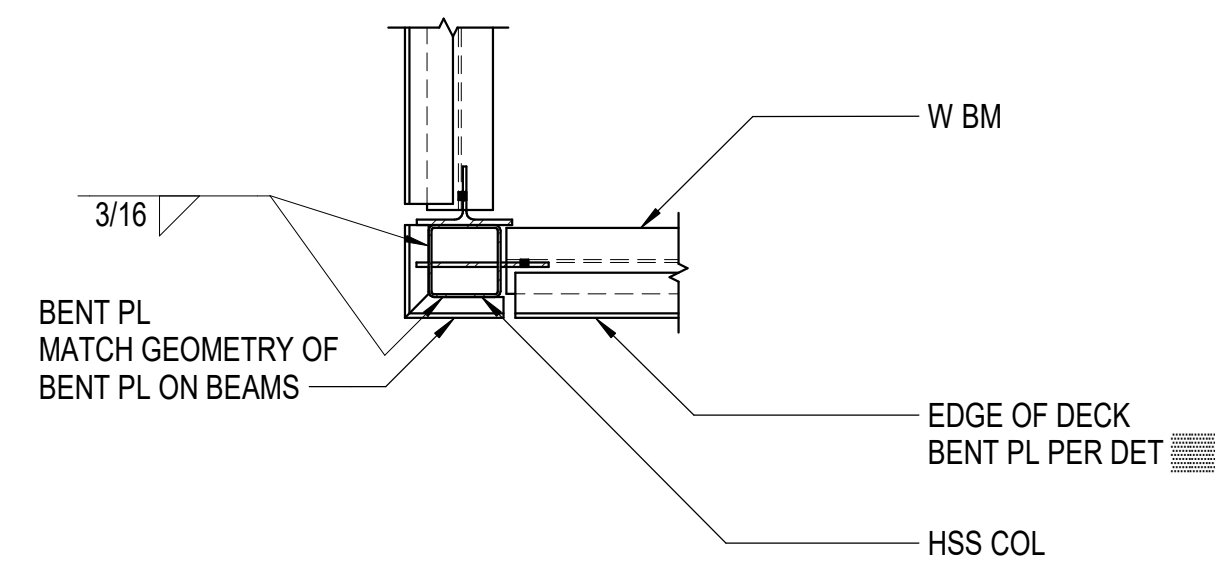
**2 FLOOR DECK EDGE STUDS @ WIDE OPNG**  
3/4" = 1'-0"



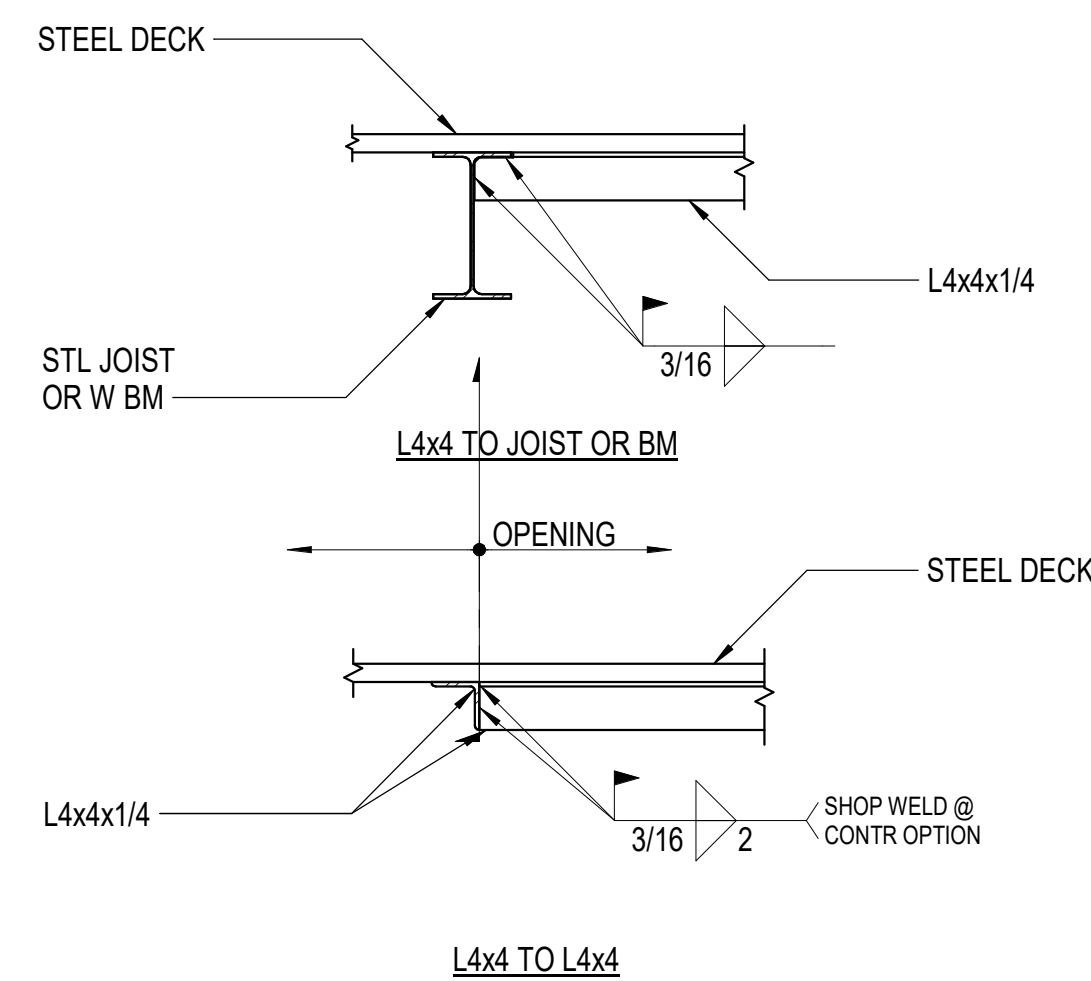
**3 ROOF DECK EDGE STUDS @ WIDE OPNG**  
3/4" = 1'-0"



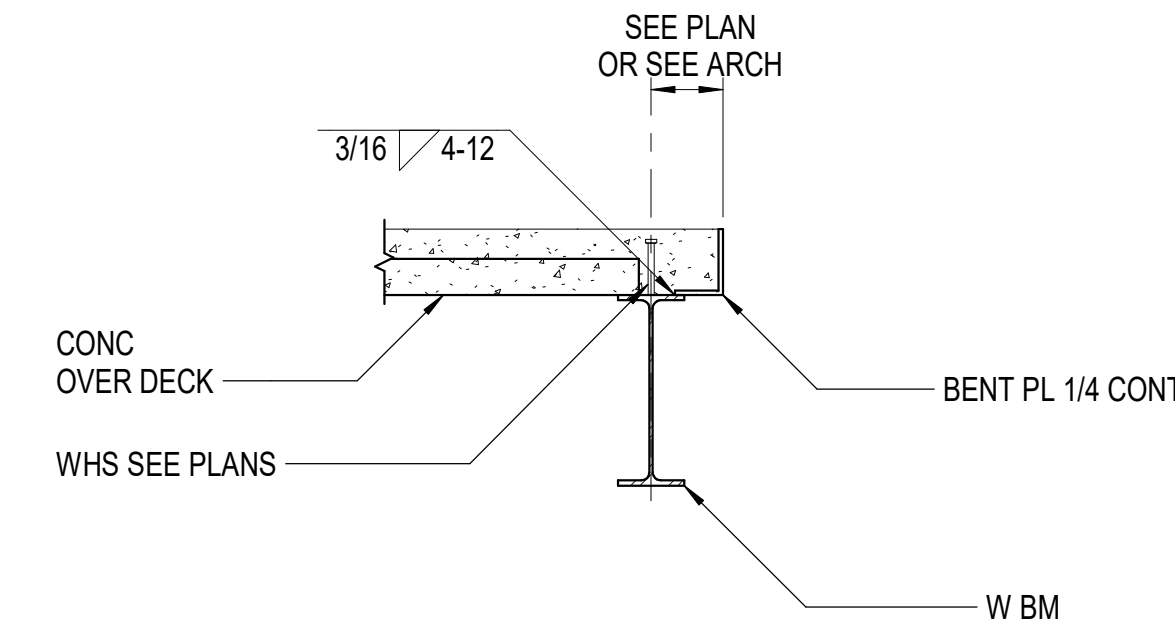
**4 ROOF DECK EDGE STUDS @ WIDE OPNG**  
3/4" = 1'-0"



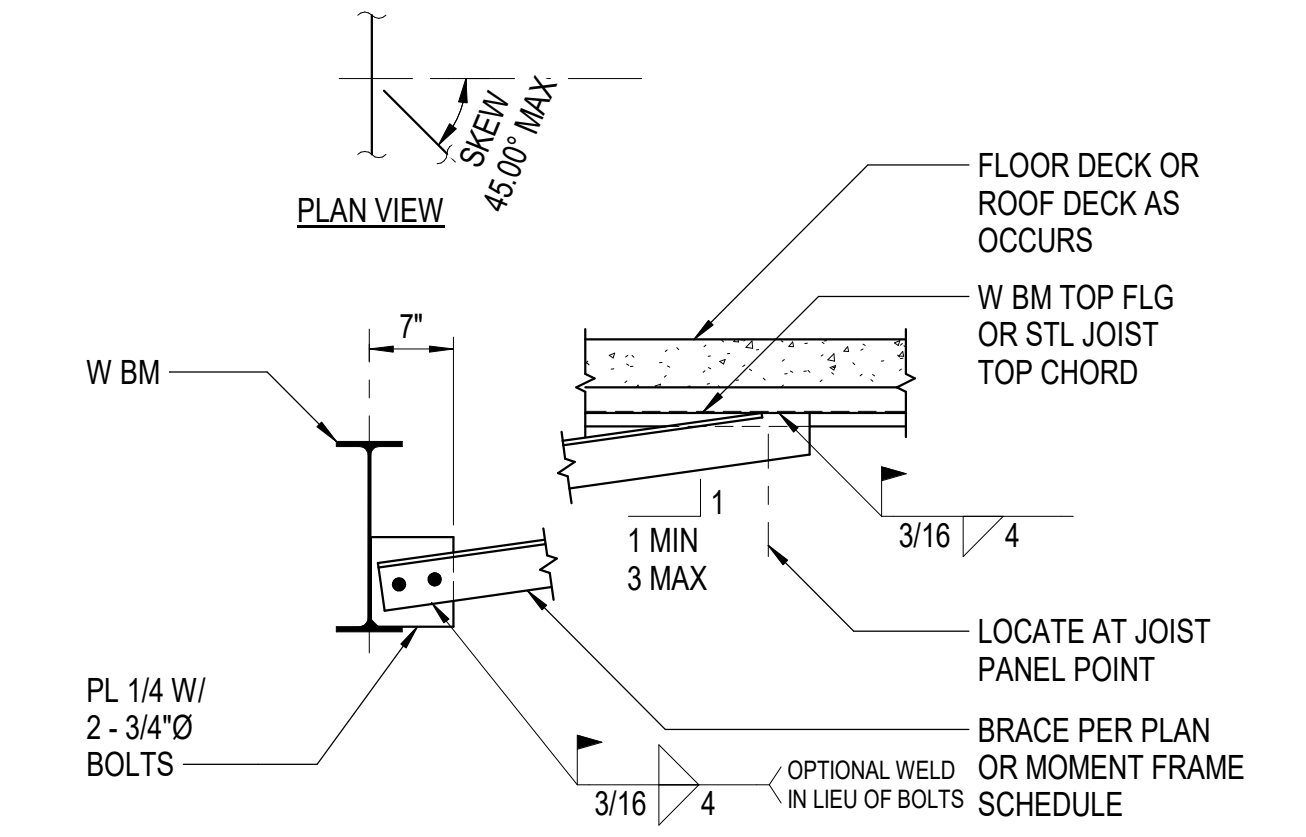
**5 BENT PL AT EXT HSS COL**  
3/4" = 1'-0"



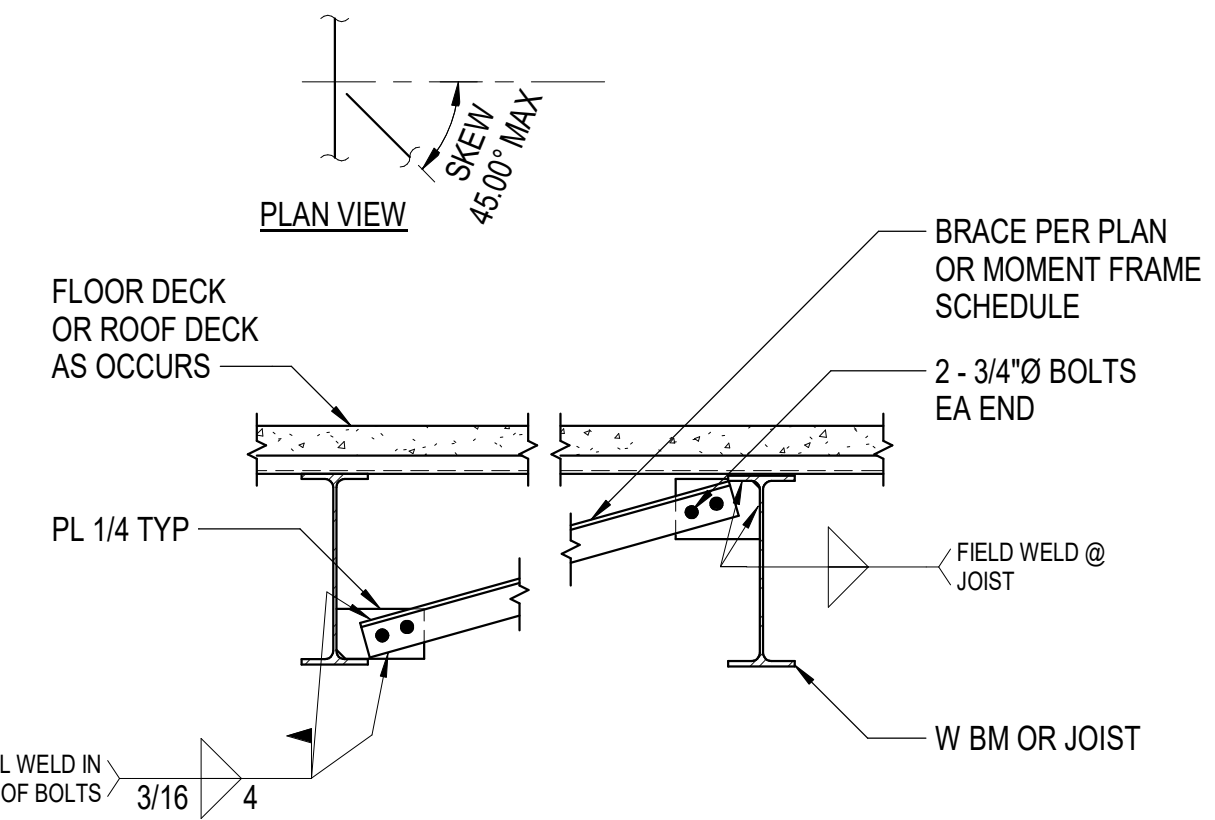
**6 DECK OPENING SUPPORT FRAME**  
3/4" = 1'-0"



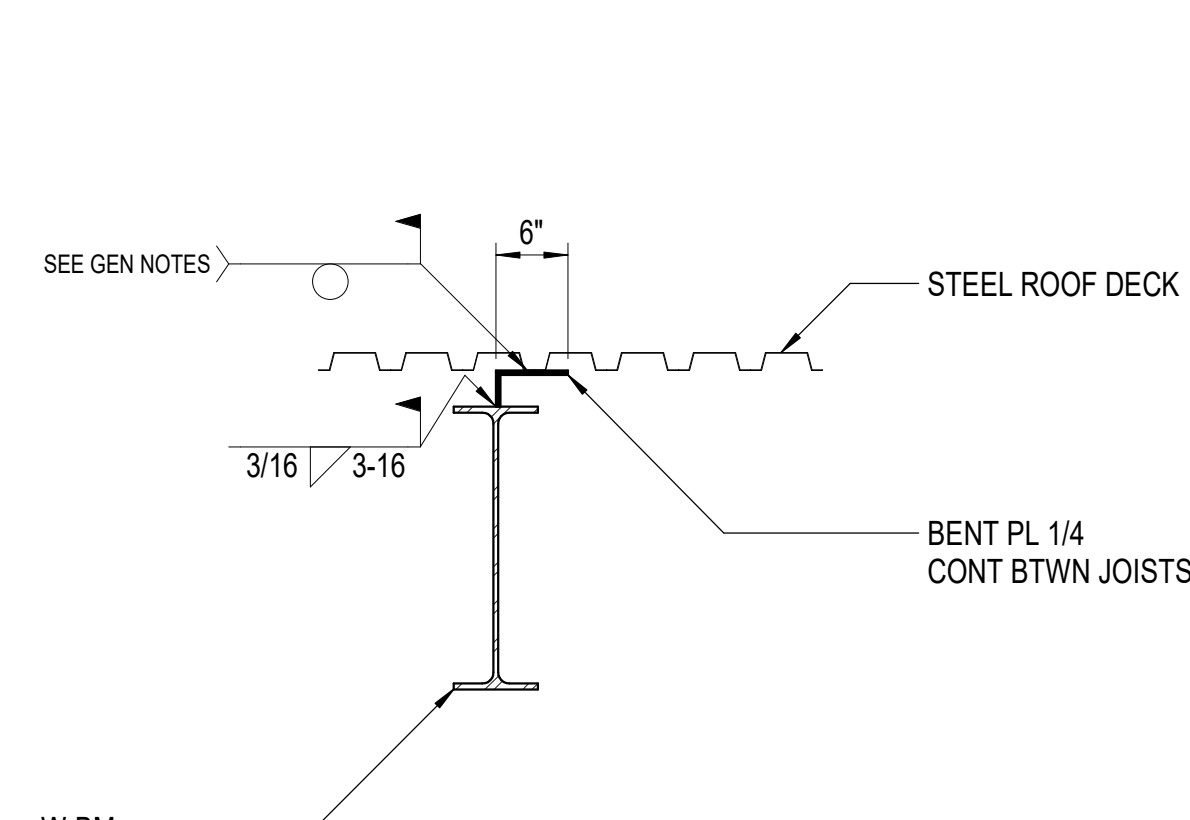
**7 INTERIOR SLAB EDGE**  
3/4" = 1'-0"



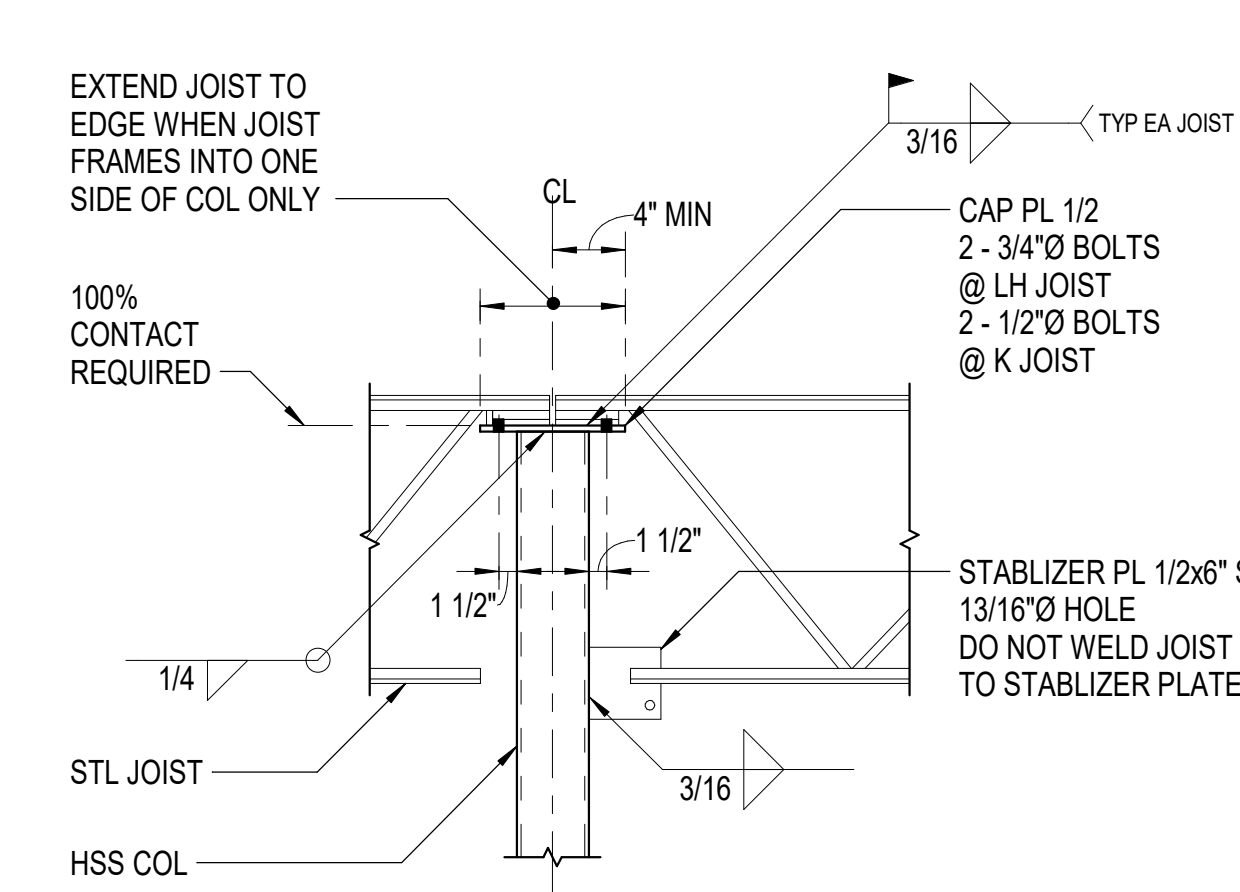
**8 BRACED W BM PERP TO JOIST**  
3/4" = 1'-0"



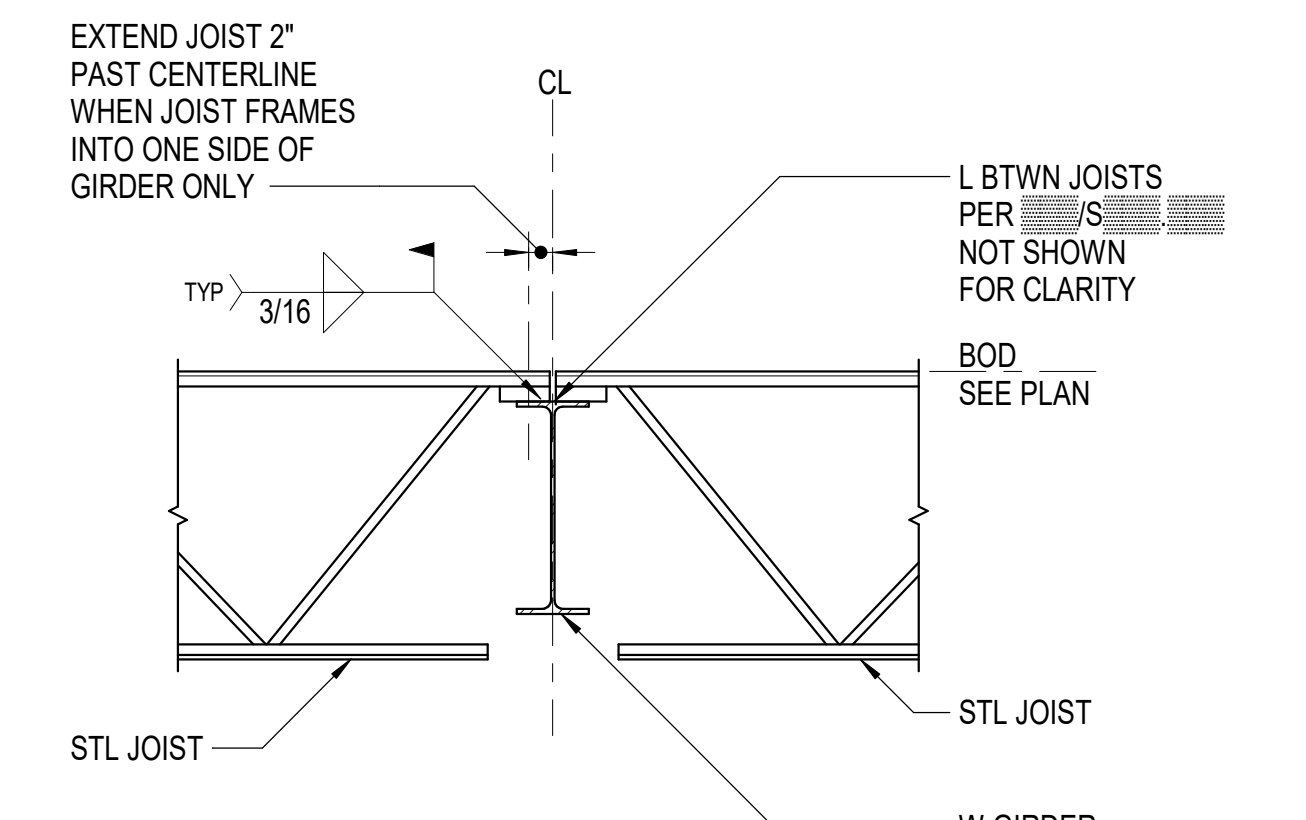
**9 BOTTOM FLANGE BRACE**  
3/4" = 1'-0"



**10 L BTWN JOISTS**  
3/4" = 1'-0"



**11 JOIST OVER HSS COL**  
3/4" = 1'-0"



**12 JOIST TO W GIRDER**  
3/4" = 1'-0"

**NOTE:**  
1. AT JOISTS SKEW BRACE 45° TO NEAREST TOP PANEL POINT.  
2. LENGTH OF L3x3 BRACE SHALL NOT EXCEED 8'-0".  
3. LENGTH OF L4x4 BRACE SHALL NOT EXCEED 12'-0".

**NOTES:**  
1. JOISTS WITH SPAN GREATER THAN 40' SHALL BE FIELD BOLTED WITH 2 BOLTS EACH END.  
2. IF BEAM FLANGE IS LESS THAN 5 1/2" WIDE, JOIST MANUF TO DESIGN FOR REDUCED BEARING WIDTH.

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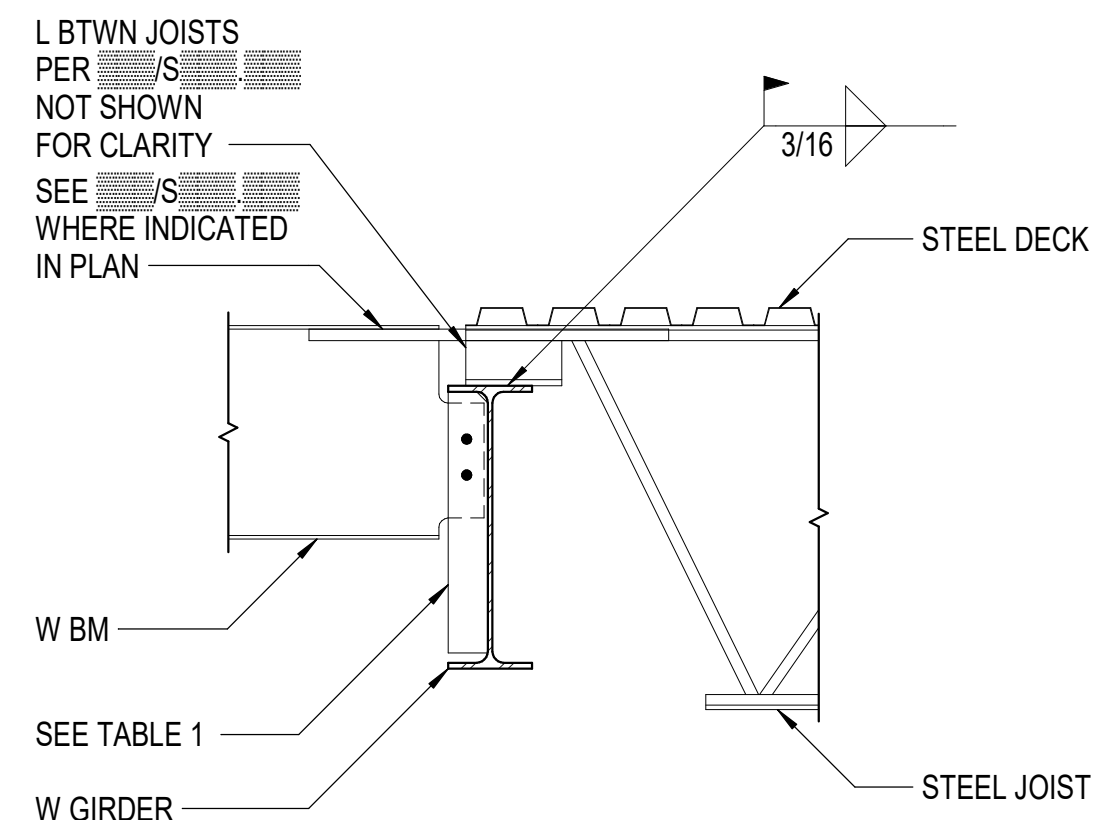
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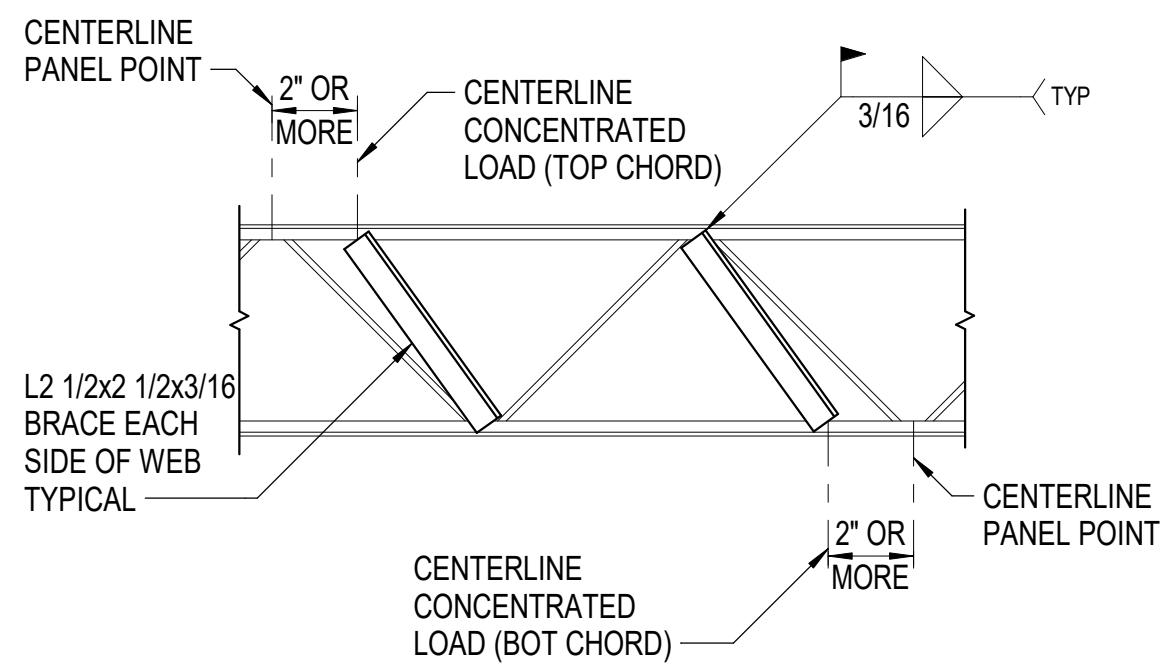
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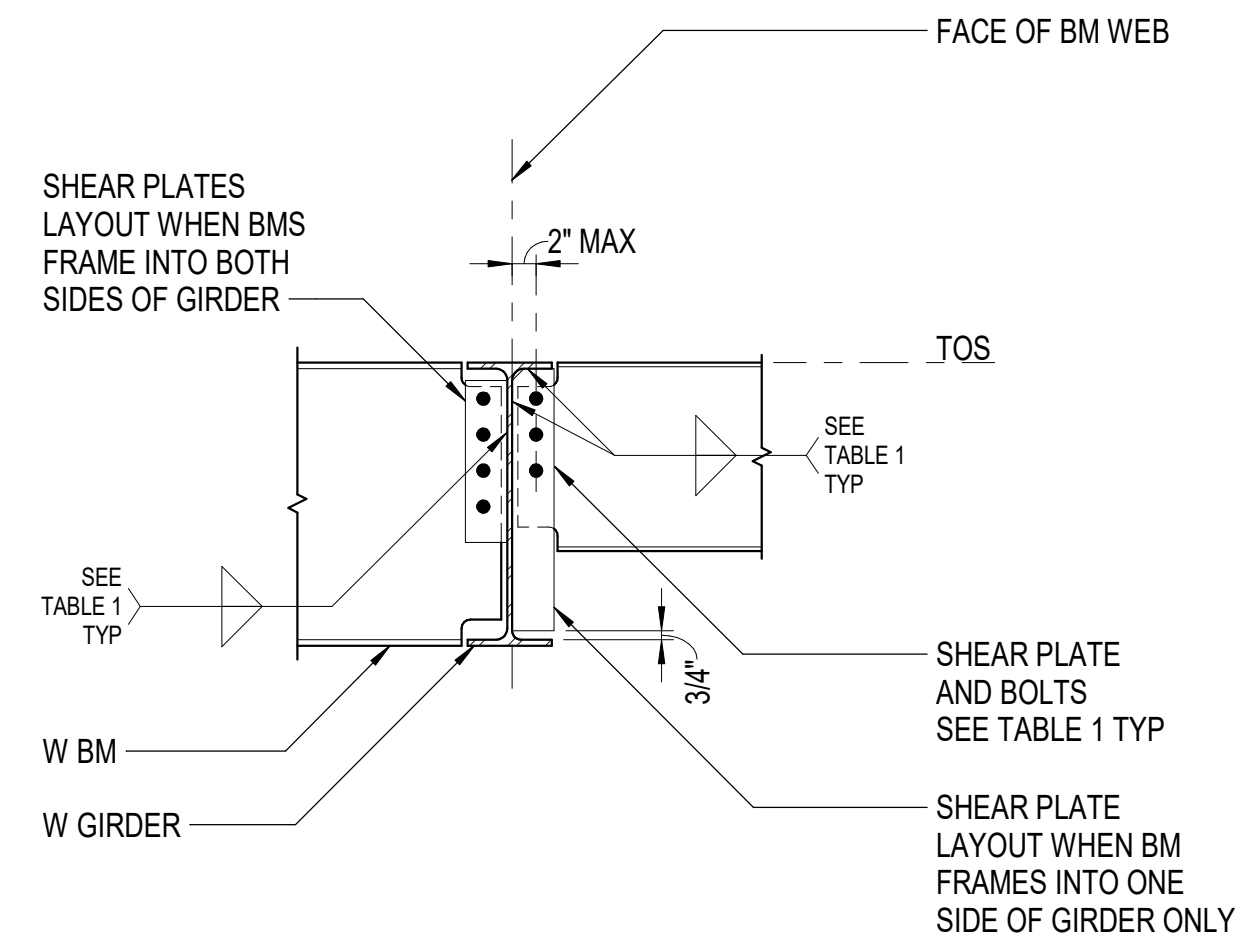
**NOTE:**  
JOISTS WITH SPAN GREATER THAN 40' SHALL BE FIELD BOLTED WITH 2 BOLTS EACH END.

**1 STEEL JOIST/W BM TO W GIRDER**  
3/4" = 1'-0"

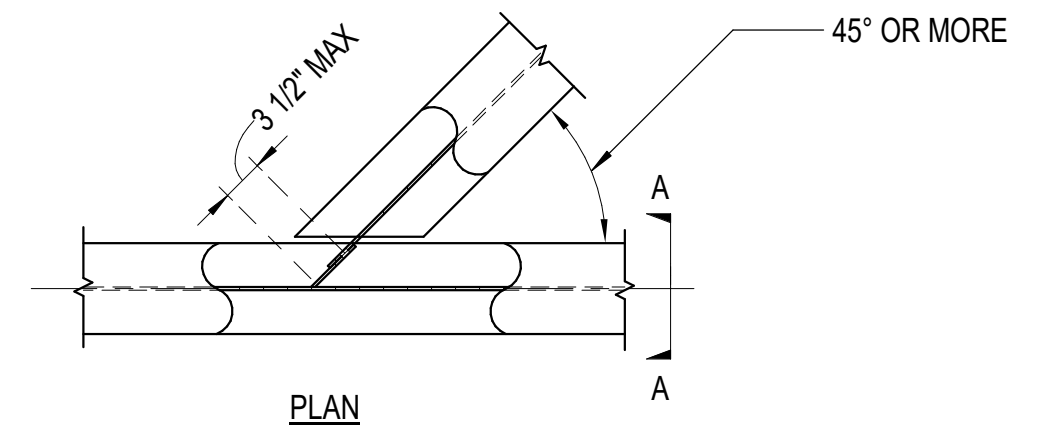


**NOTES:**  
1. INSTALLATION OF BRACES SHALL BE APPROVED BY JOIST SUPPLIER.  
2. CONTRACTOR TO COORDINATE EQUIPMENT WEIGHT WITH JOIST SUPPLIER.

**2 JOIST REINFORCING AT CONCENTRATED LOAD**  
3/4" = 1'-0"

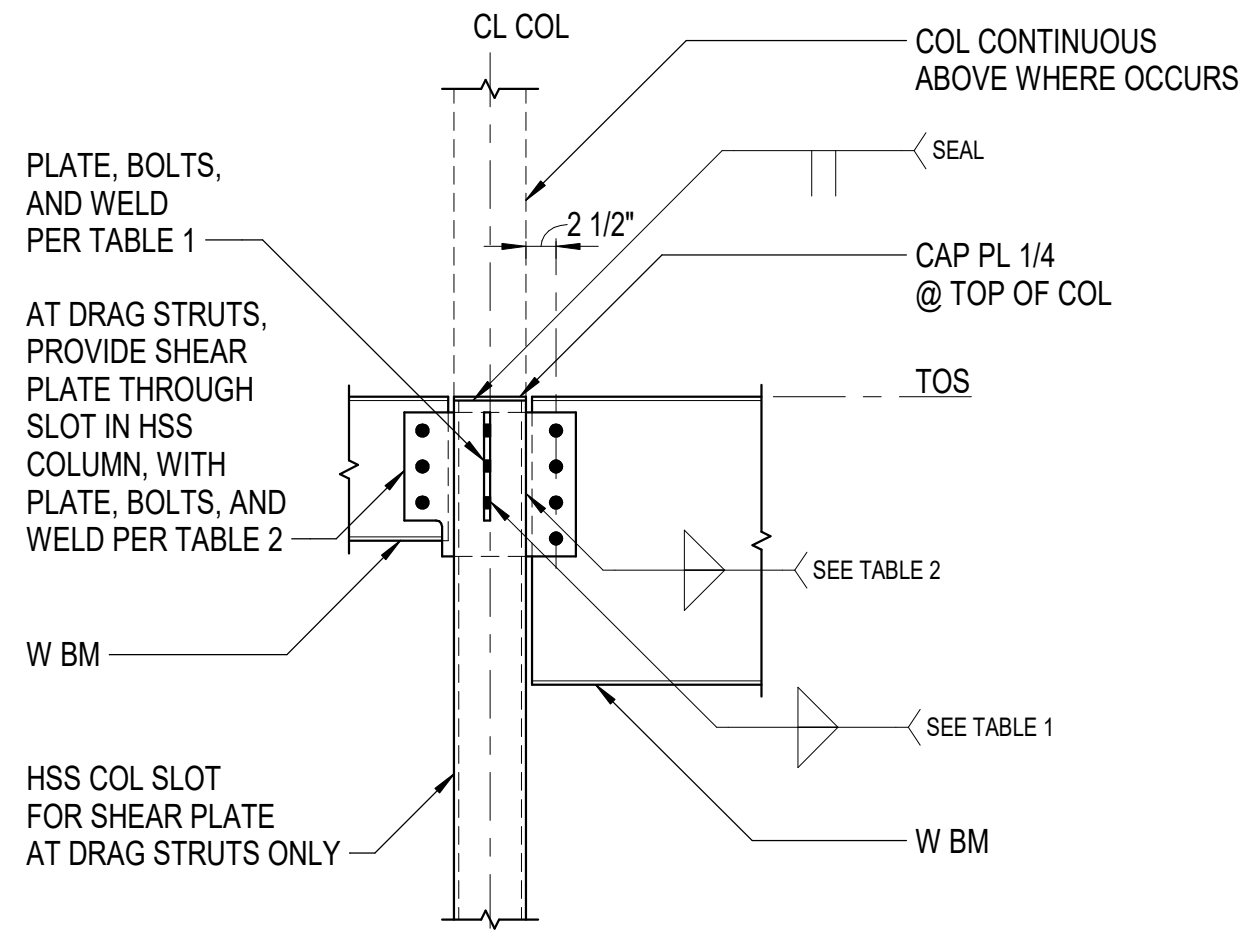


**3 BEAM TO BEAM**  
3/4" = 1'-0"



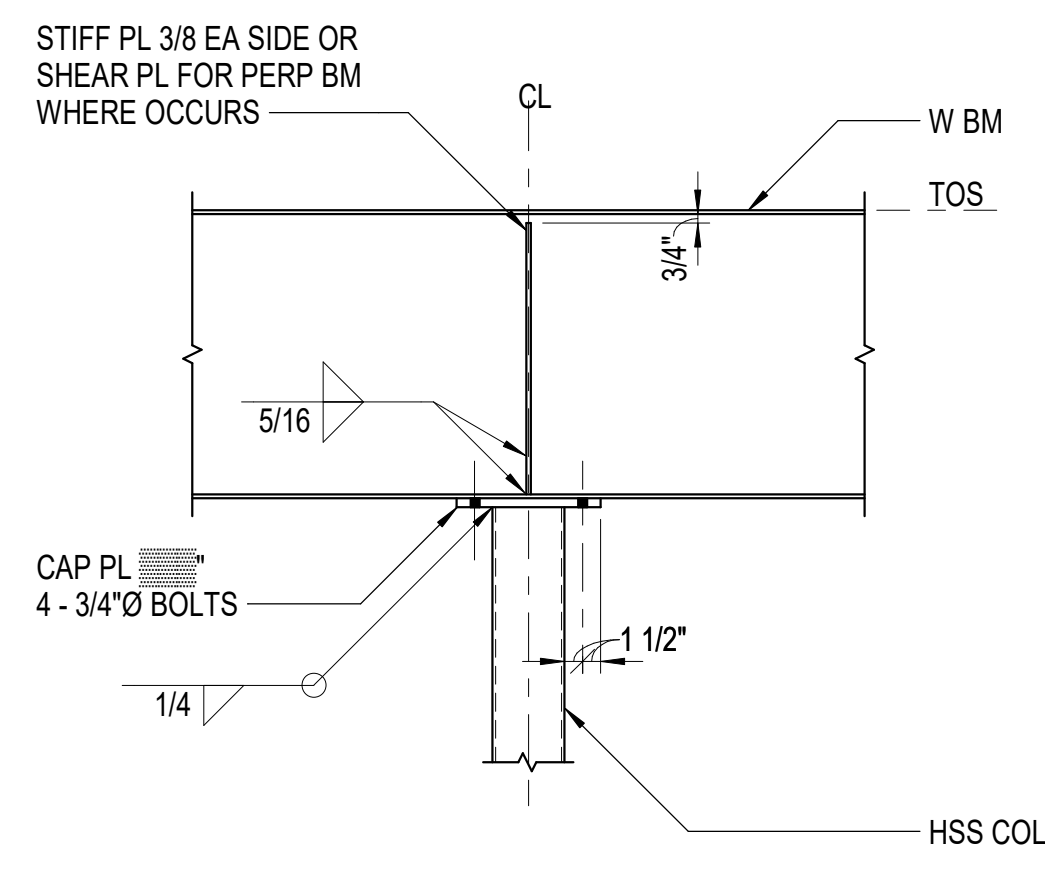
**NOTE:**  
AT DRAG STRUTS PER PLAN, SEE TABLE 1 INSTEAD OF TABLE 2.

**4 SKEWED BEAM TO GIRDER**  
3/4" = 1'-0"

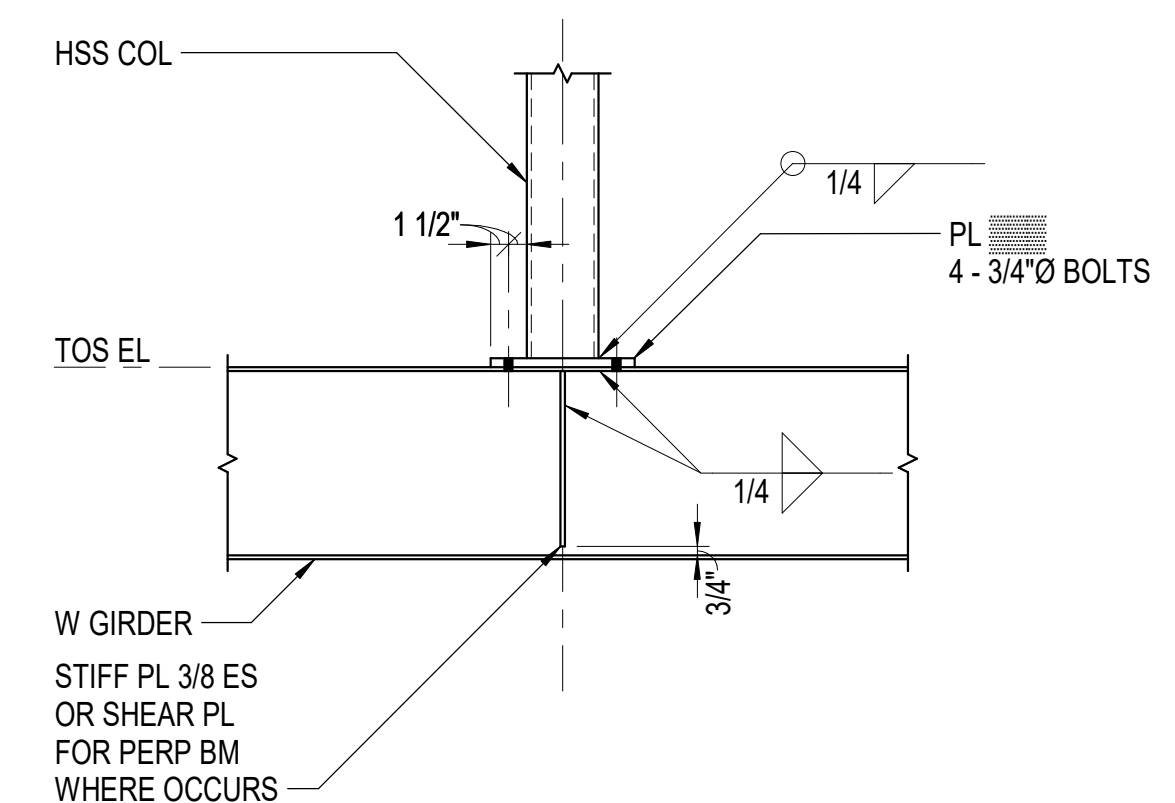


**NOTE:**  
AT COLUMNS LARGER THAN HSS3x3 WITH WALLS THINNER THAN 1/4" NOMINAL, SEE DETAIL

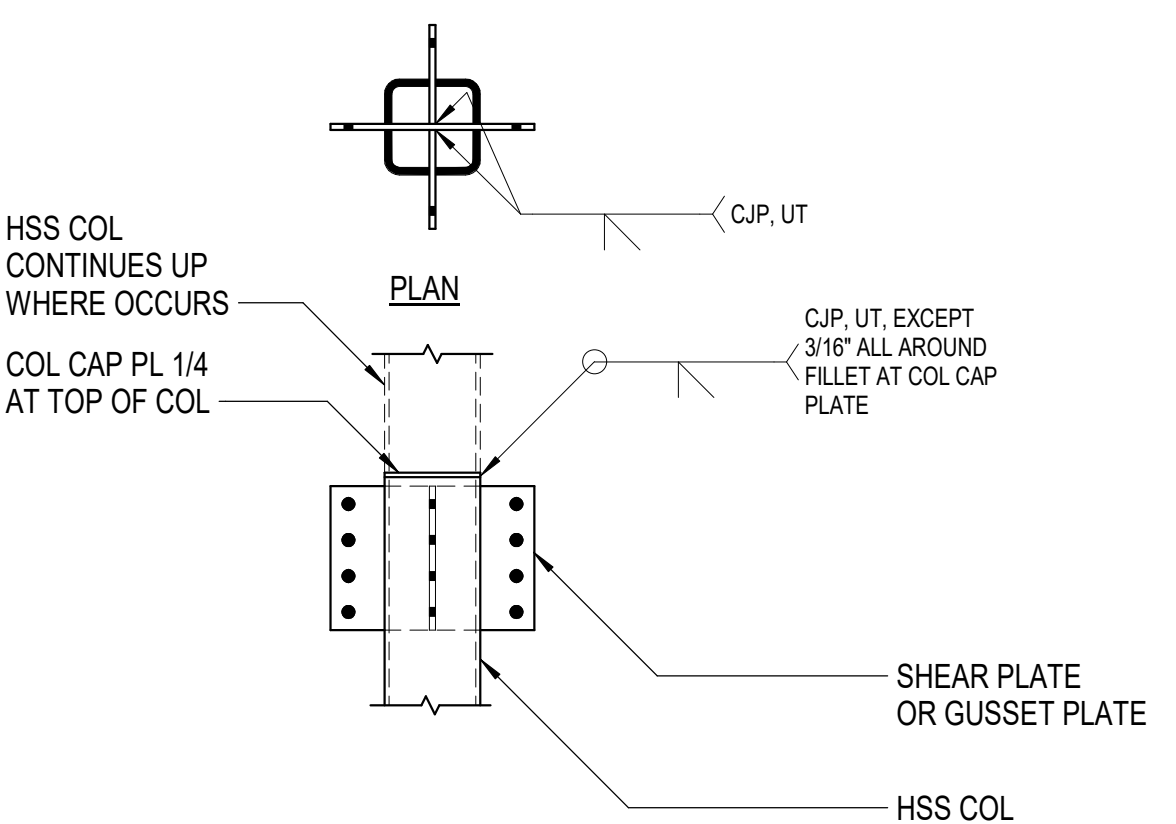
**5 W BEAMS AT HSS COL**  
3/4" = 1'-0"



**6 W BM OVER HSS COL**  
3/4" = 1'-0"

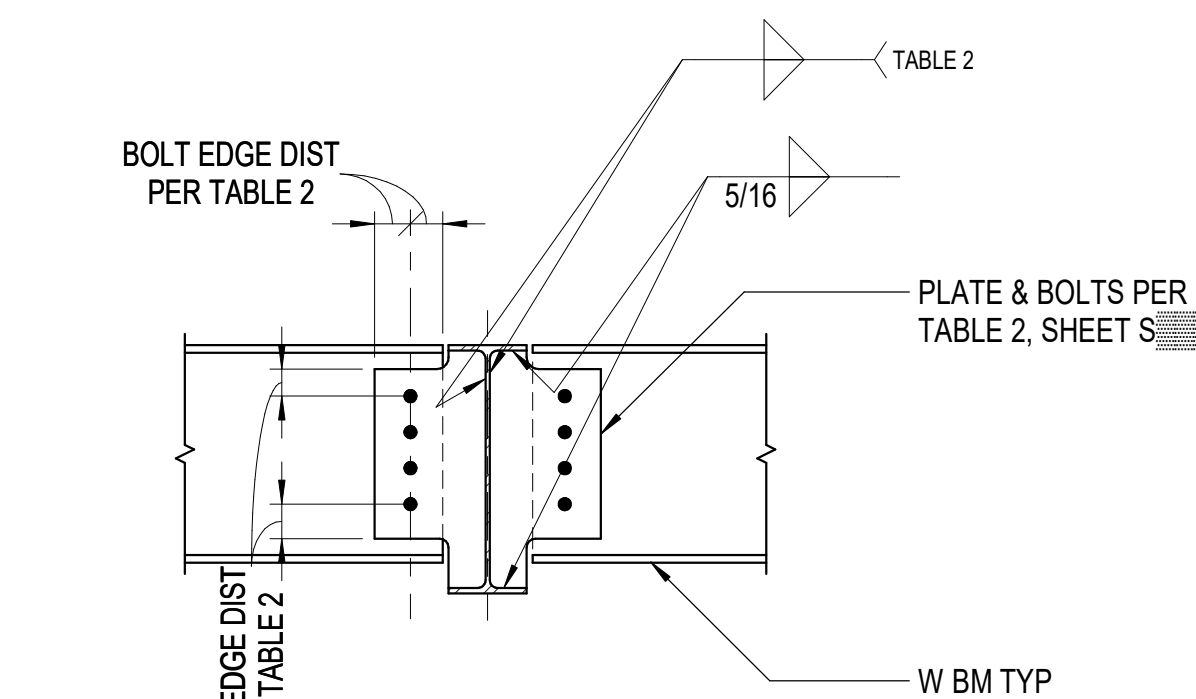


**7 HSS COL TO W GIRDER**  
3/4" = 1'-0"



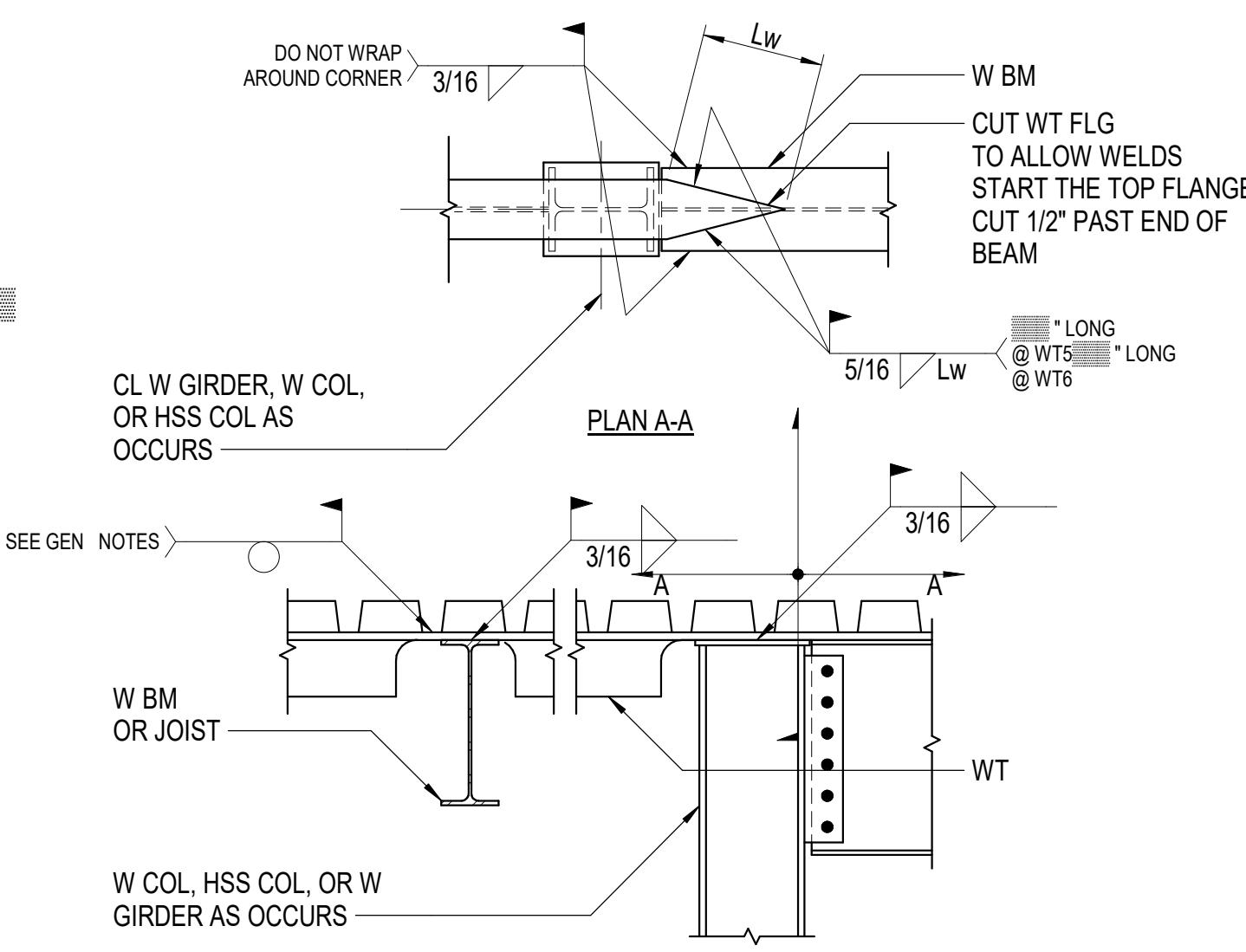
**NOTE:**  
OCCURS WHERE DRAG STRUTS OR BRACES CONNECT TO HSS COL FROM PERPENDICULAR DIRECTIONS.

**8 STRUTS THRU HSS COL**  
3/4" = 1'-0"

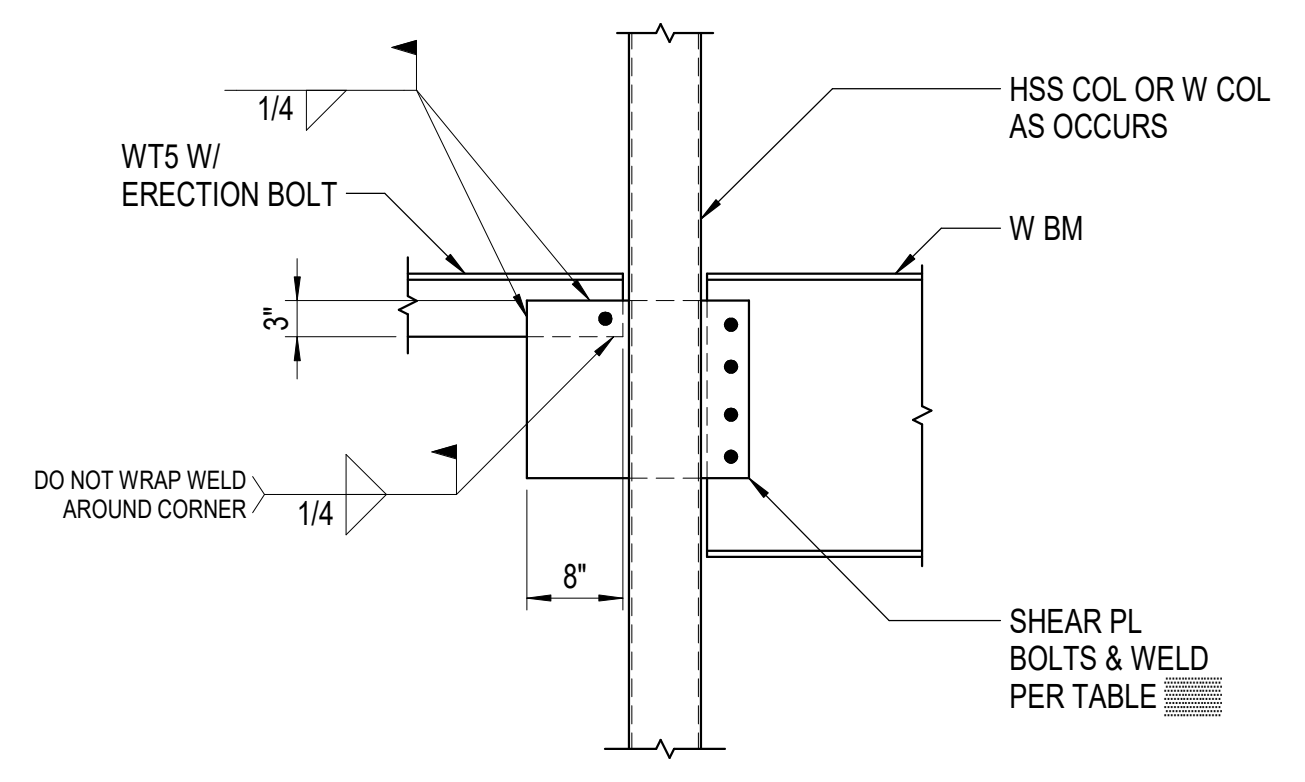


**NOTE:**  
SEE TABLE 2 SHEET S

**9 STRUT CONN AT W BM**  
3/4" = 1'-0"

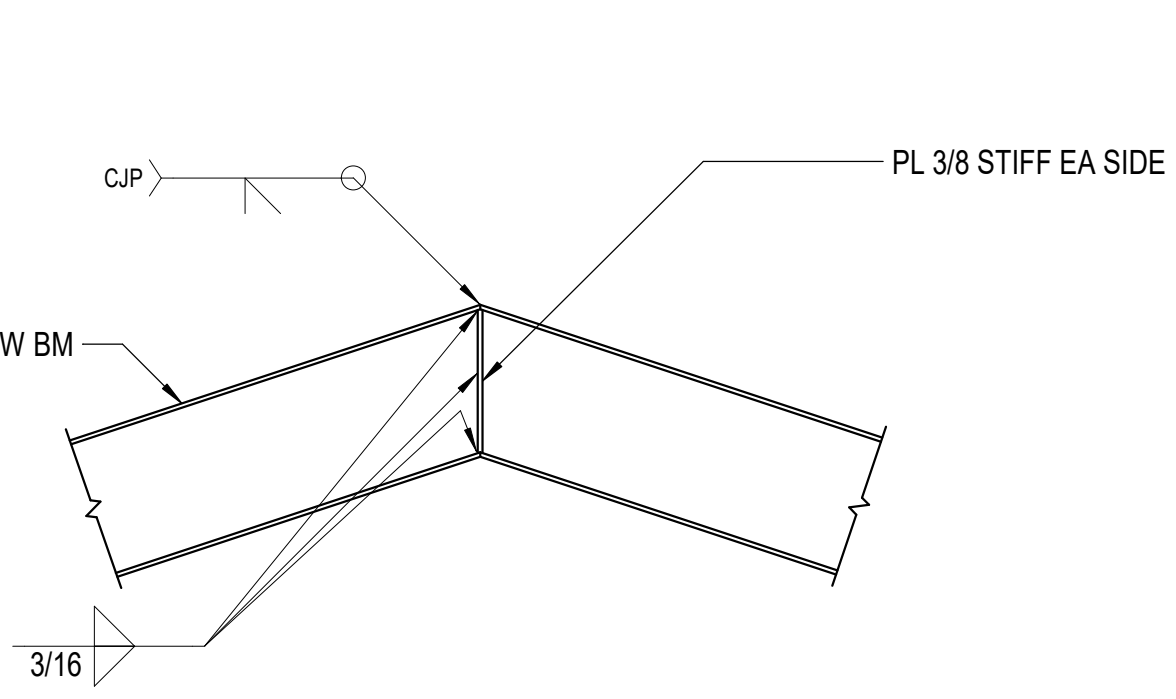


**10 WT STRUT**  
3/4" = 1'-0"



**NOTE:**  
SEE DETAIL S FOR INFOR NOT GIVEN.

**11 LOW ROOF WT STRUT AT COL**  
3/4" = 1'-0"



**12 KINKED BEAM**  
3/4" = 1'-0"

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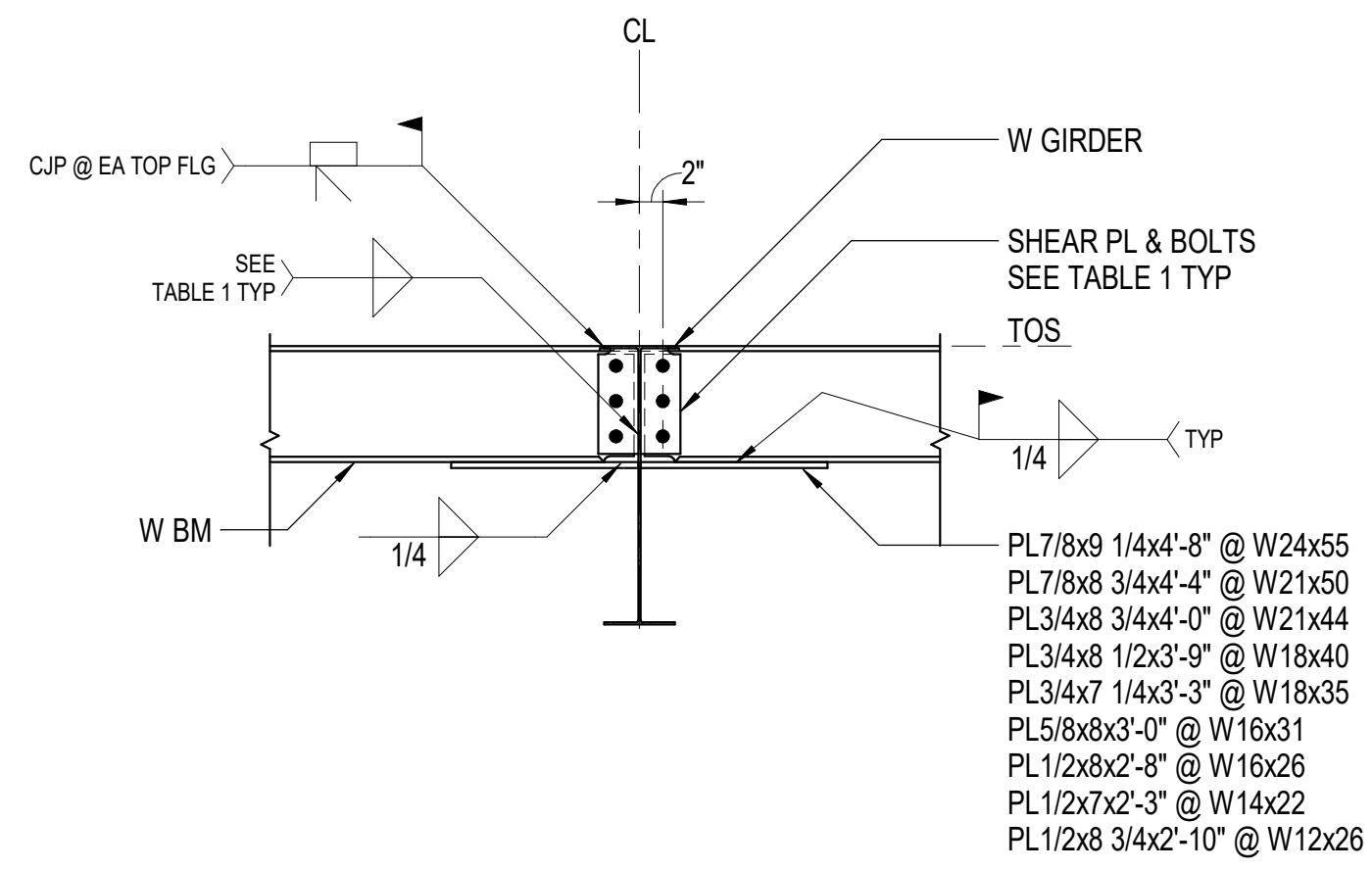
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FRAMING DETAILS  
**S512**  
BETTISWORTH NORTH ARCHITECTS & PLANNERS

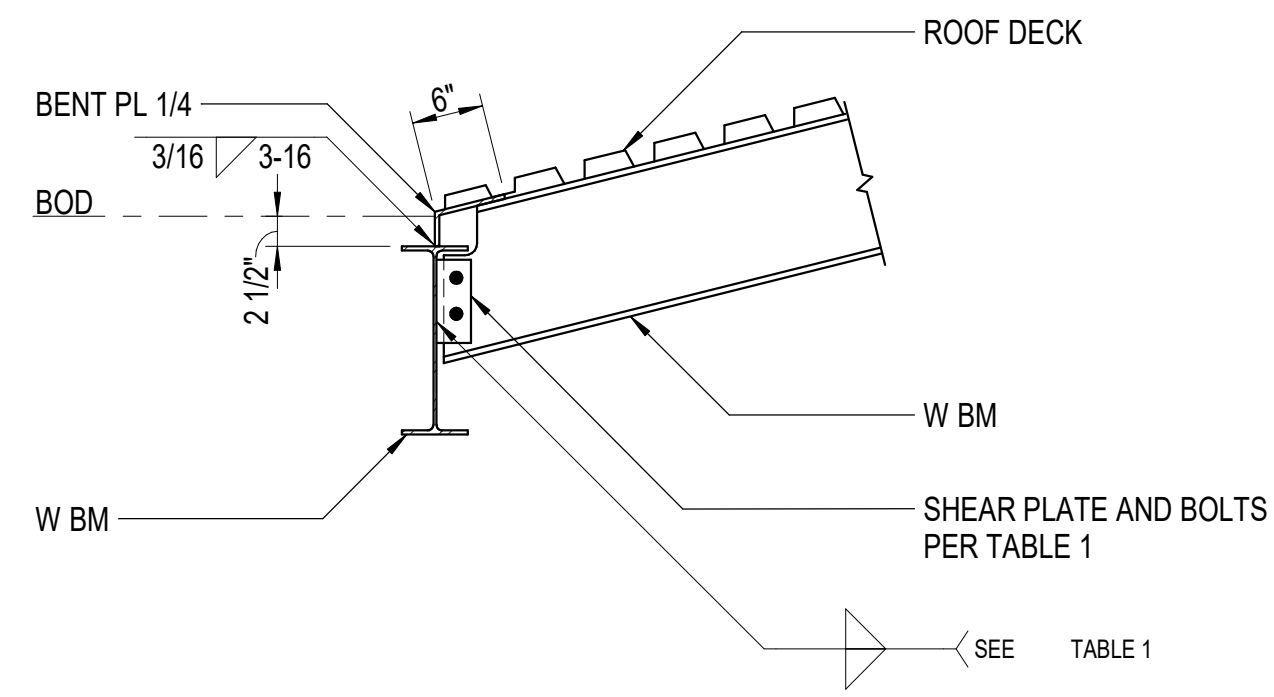
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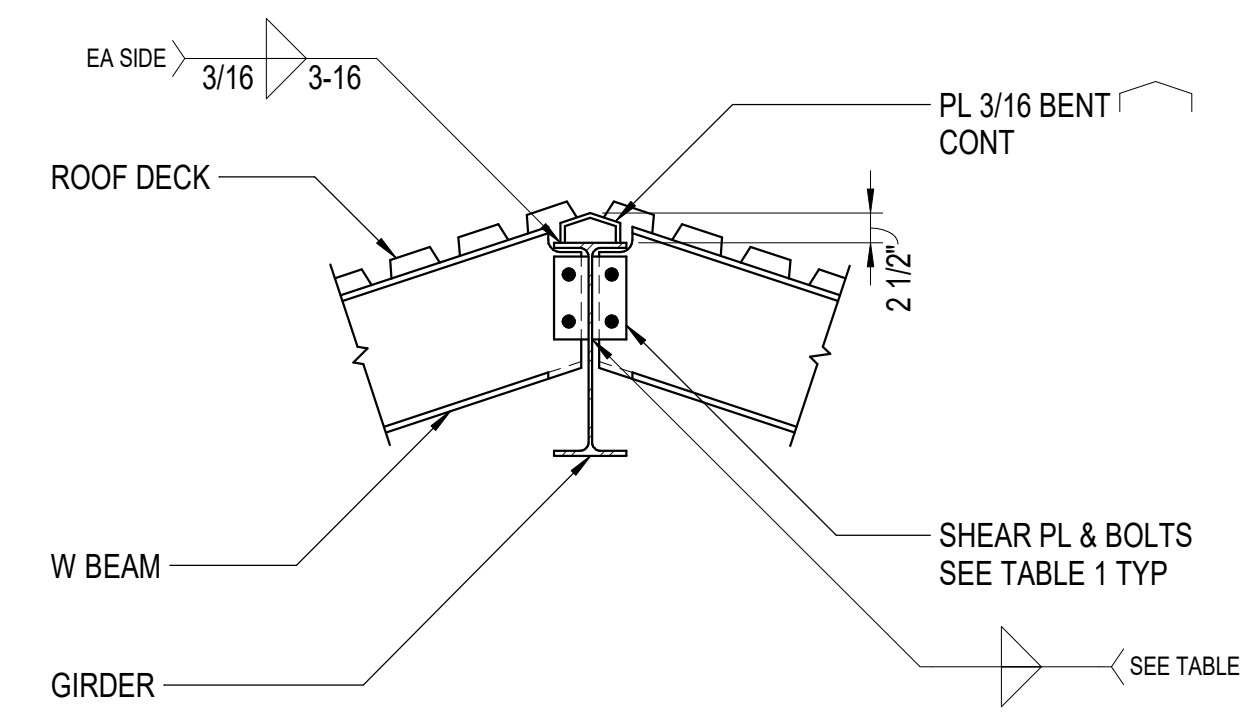
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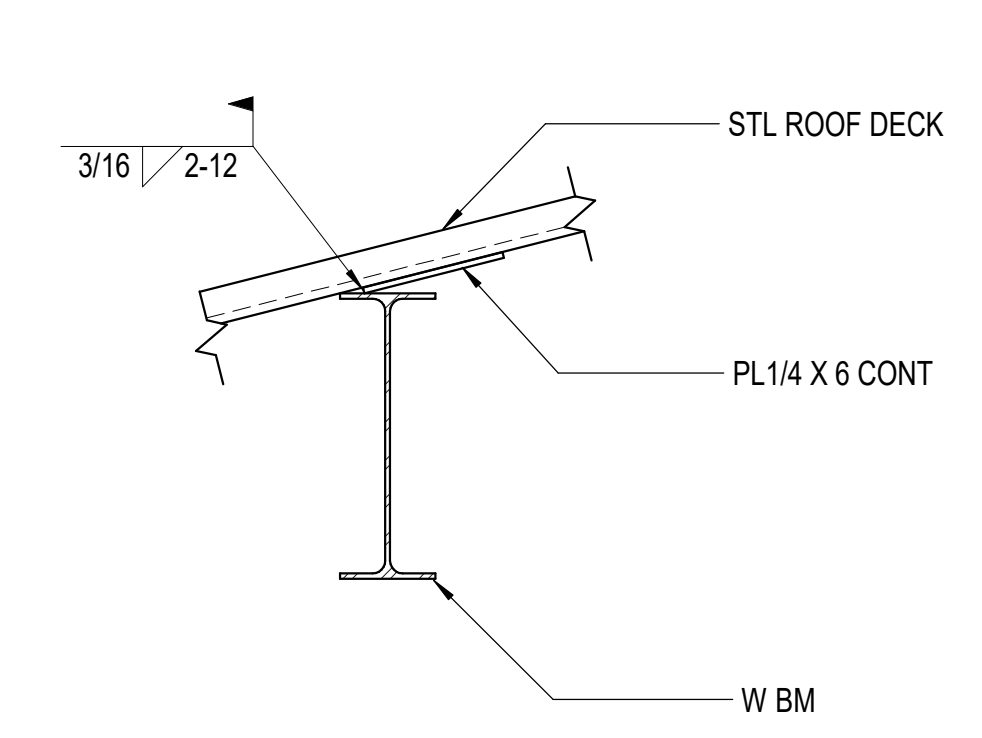
**1** MOMENT CONNECTION  
3/4" = 1'-0"



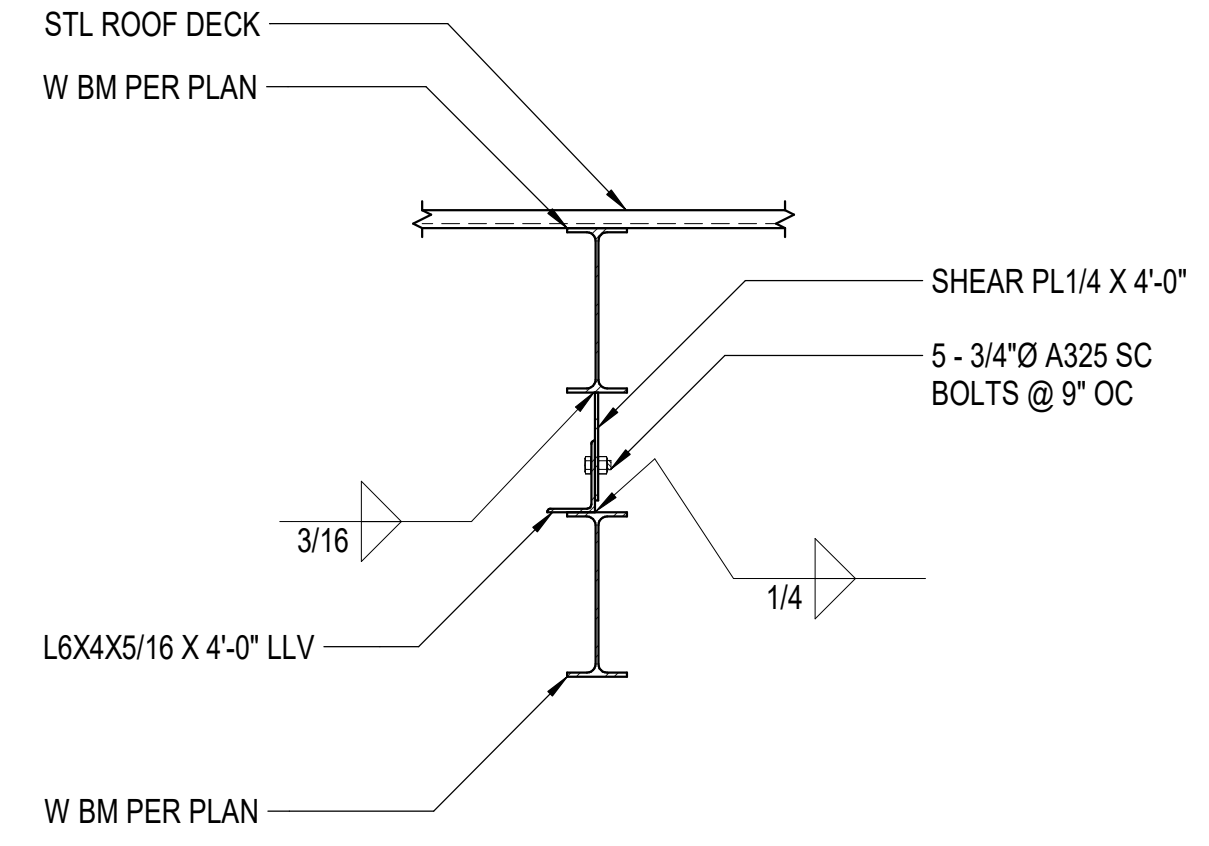
**2** SLOPED BEAM TO BEAM  
3/4" = 1'-0"



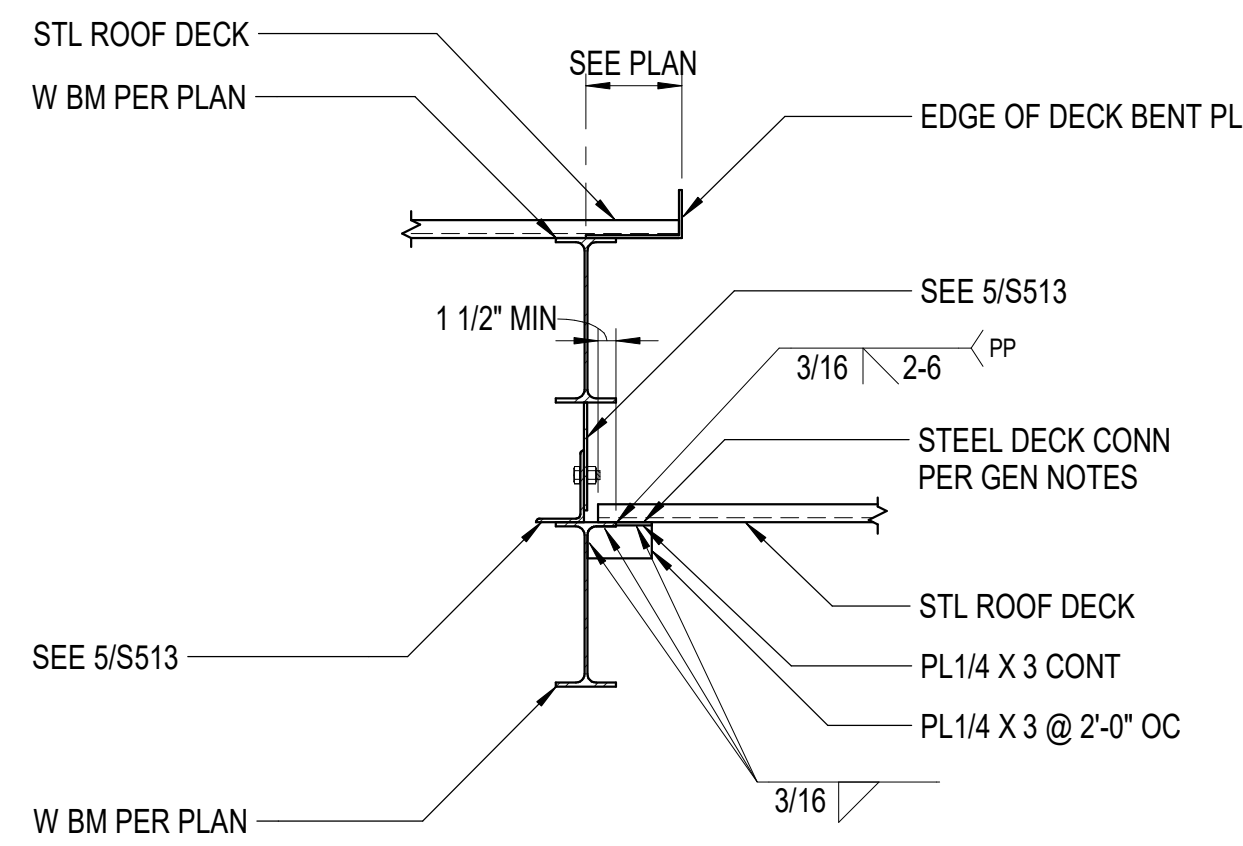
**3** SLOPED BEAM TO GIRDER  
3/4" = 1'-0"



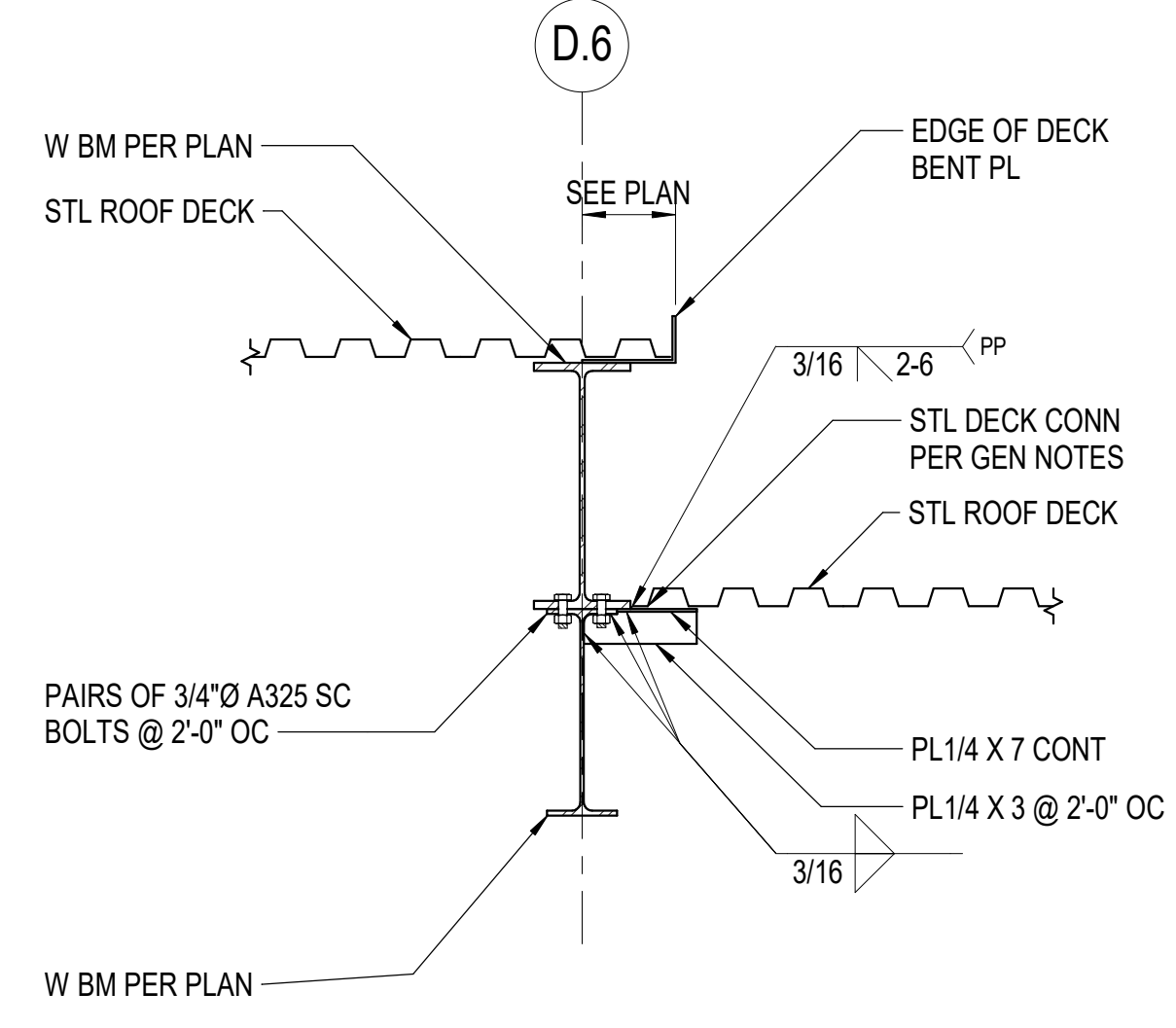
**4** SLOPED DECK TO W BM  
1 1/2" = 1'-0"



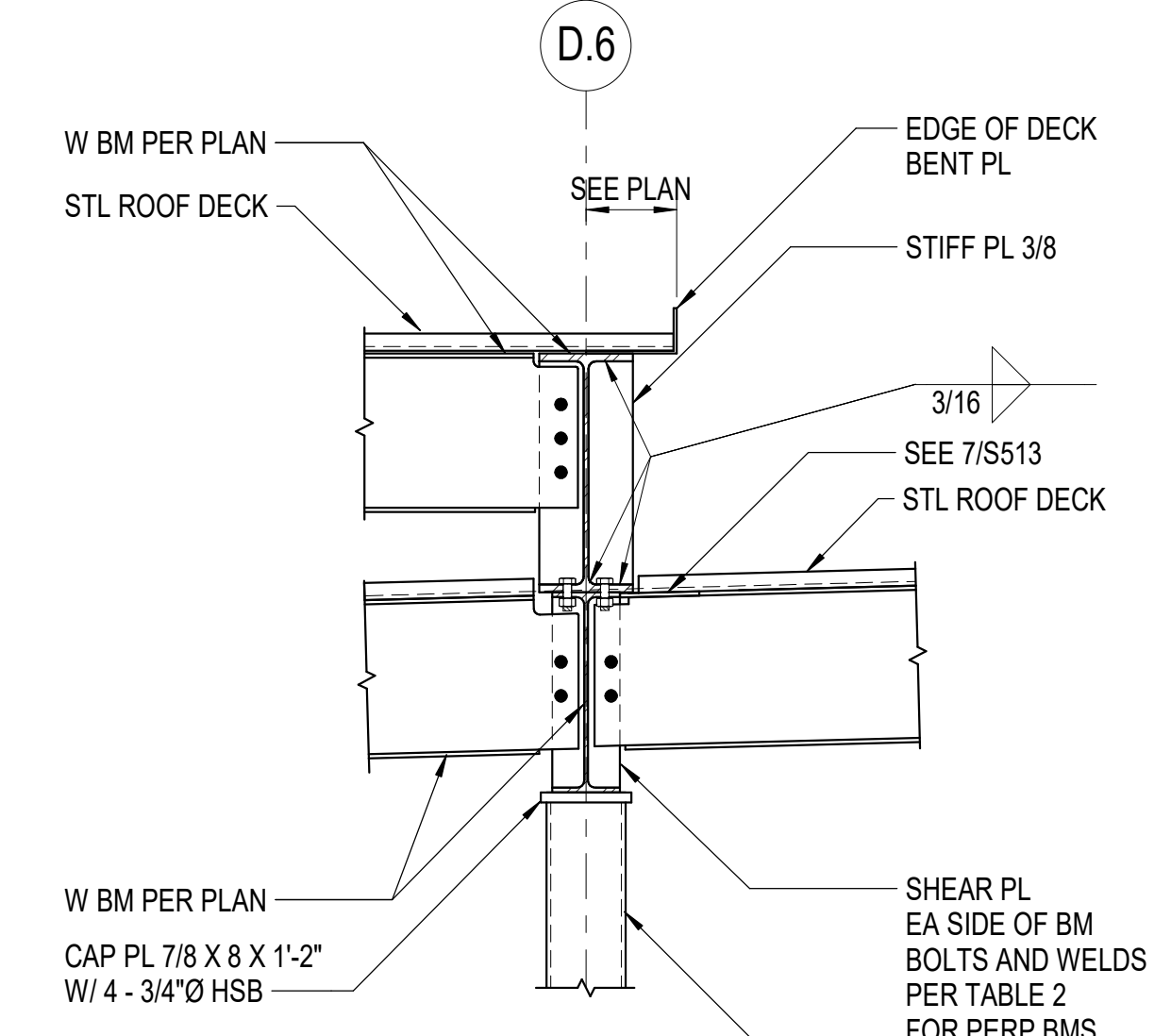
**5** SHEAR PL @ CANOPY BEAMS  
3/4" = 1'-0"



**6** DECK AND SHEAR PL @ CANOPY  
3/4" = 1'-0"



**7** BM ALONG BM  
3/4" = 1'-0"



**8** GRID D.6-1  
3/4" = 1'-0"

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FRAMING DETAILS

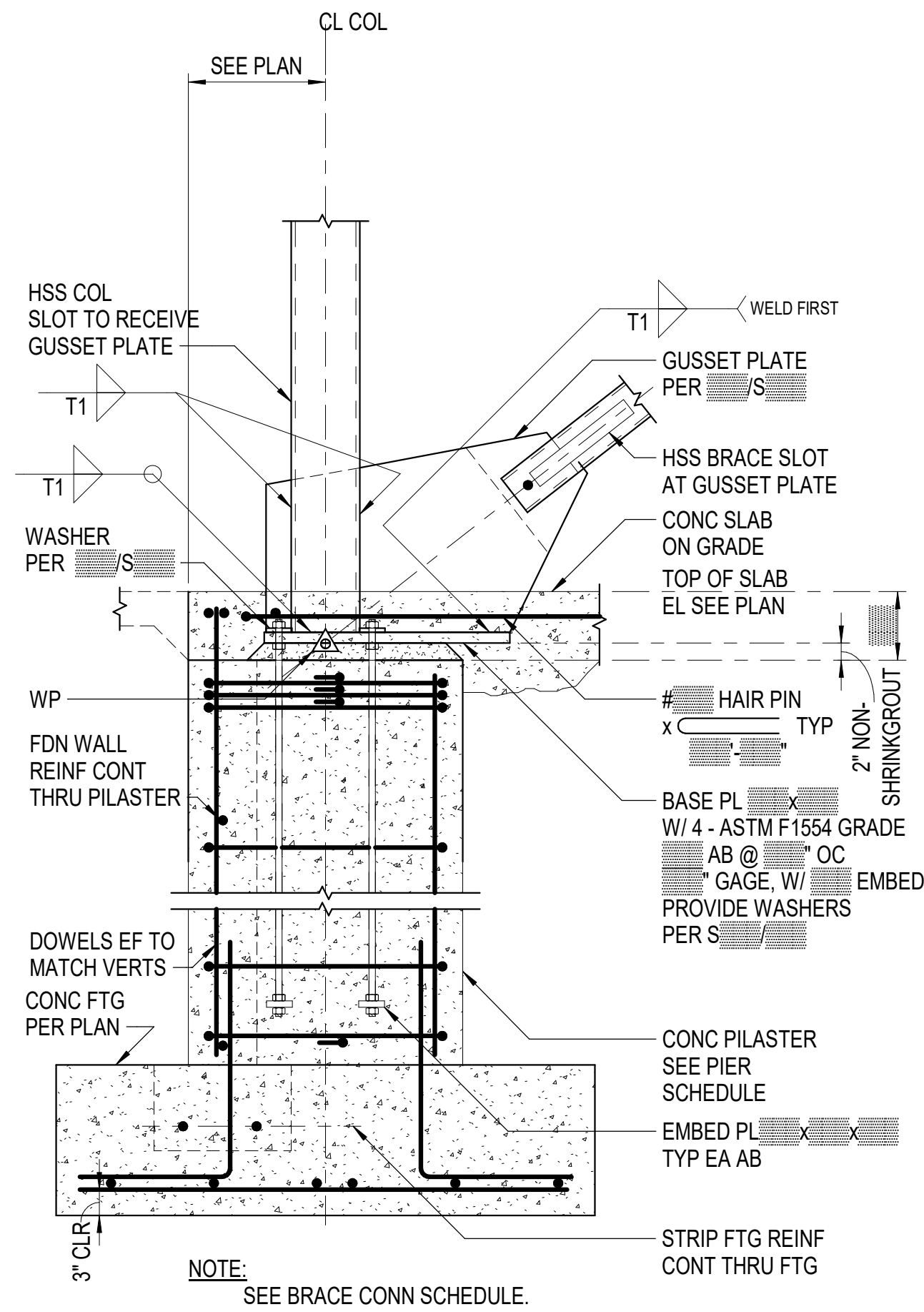
S513

BETTISWORTH NORTH ARCHITECTS & PLANNERS

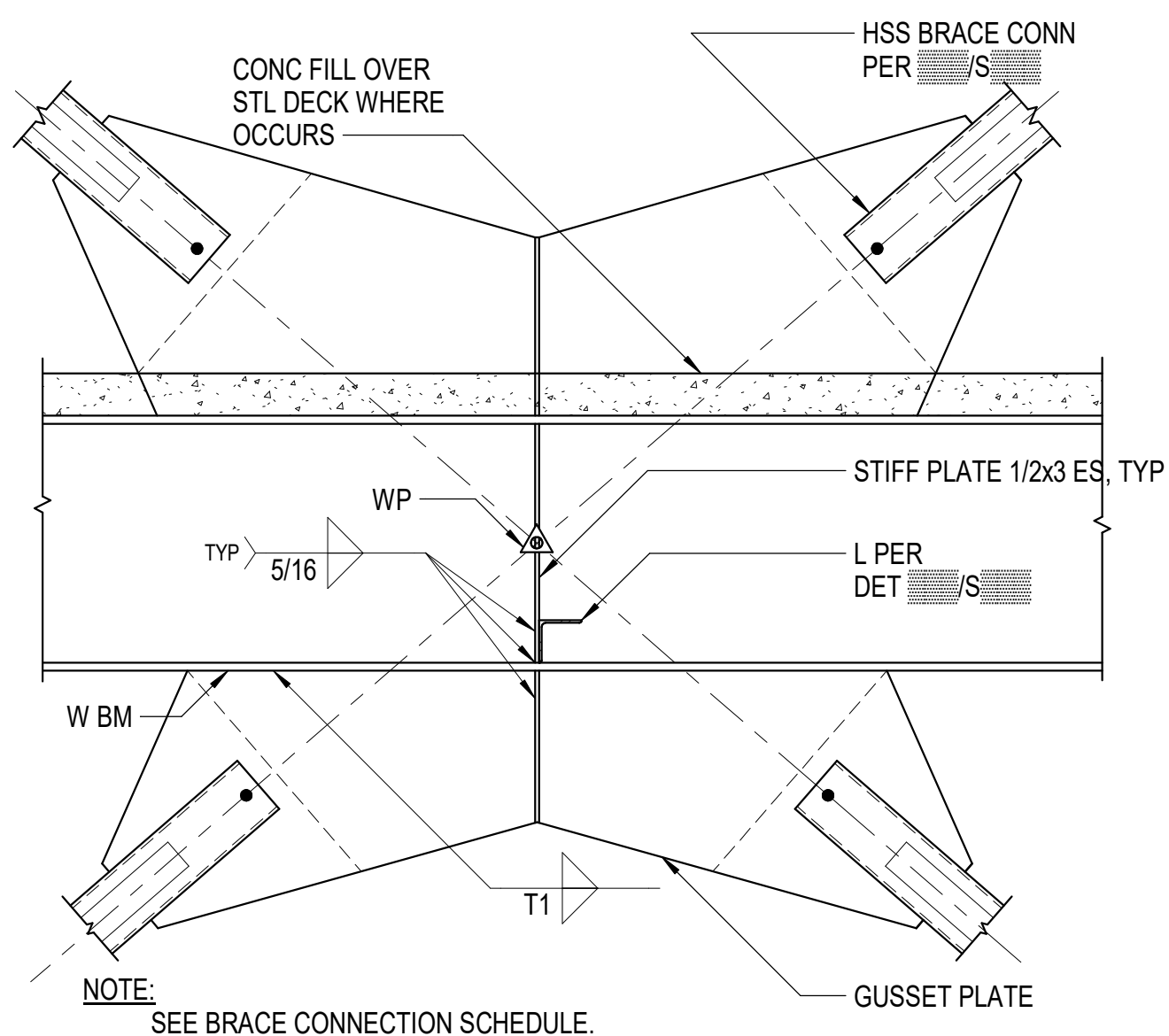
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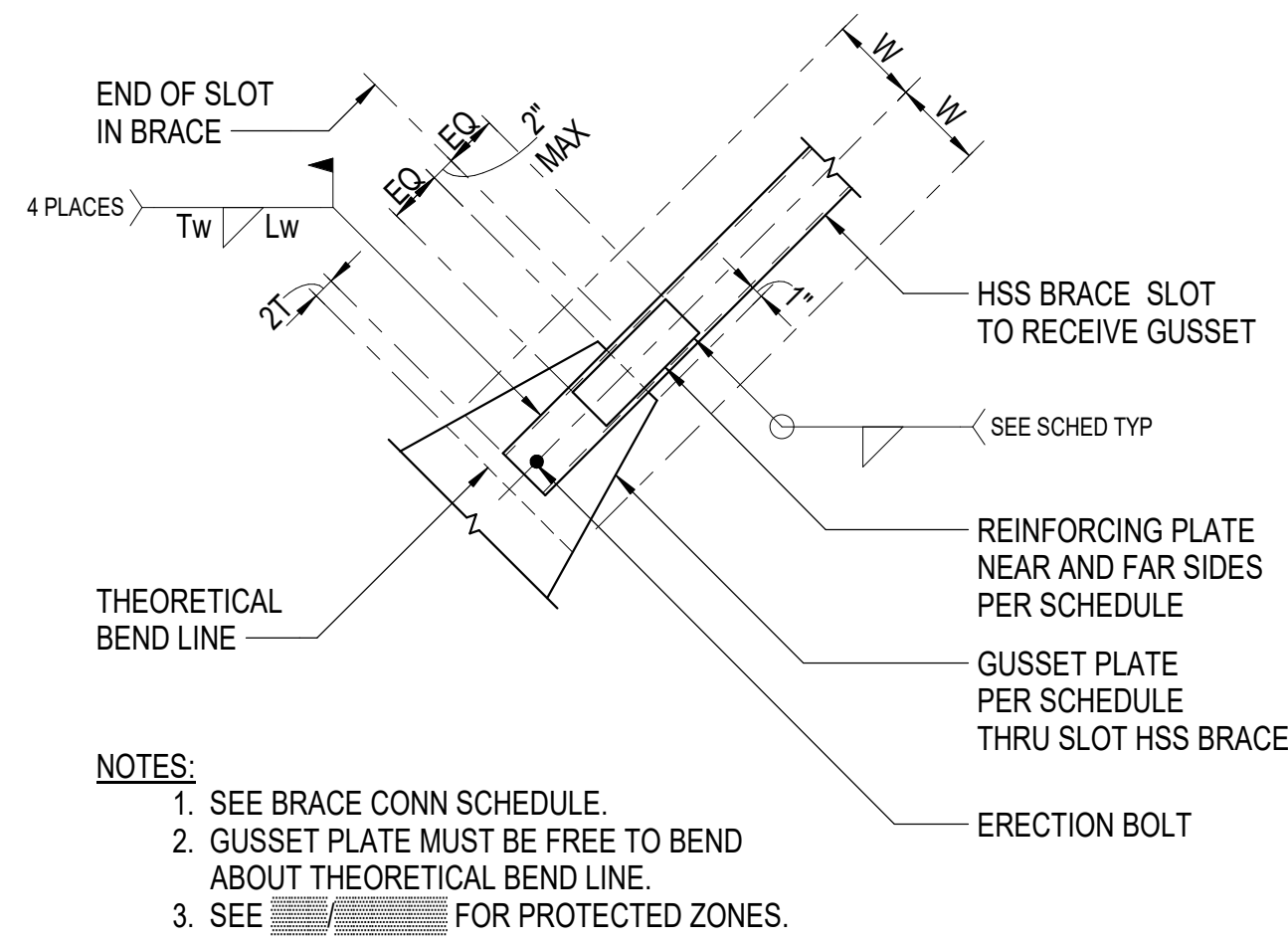
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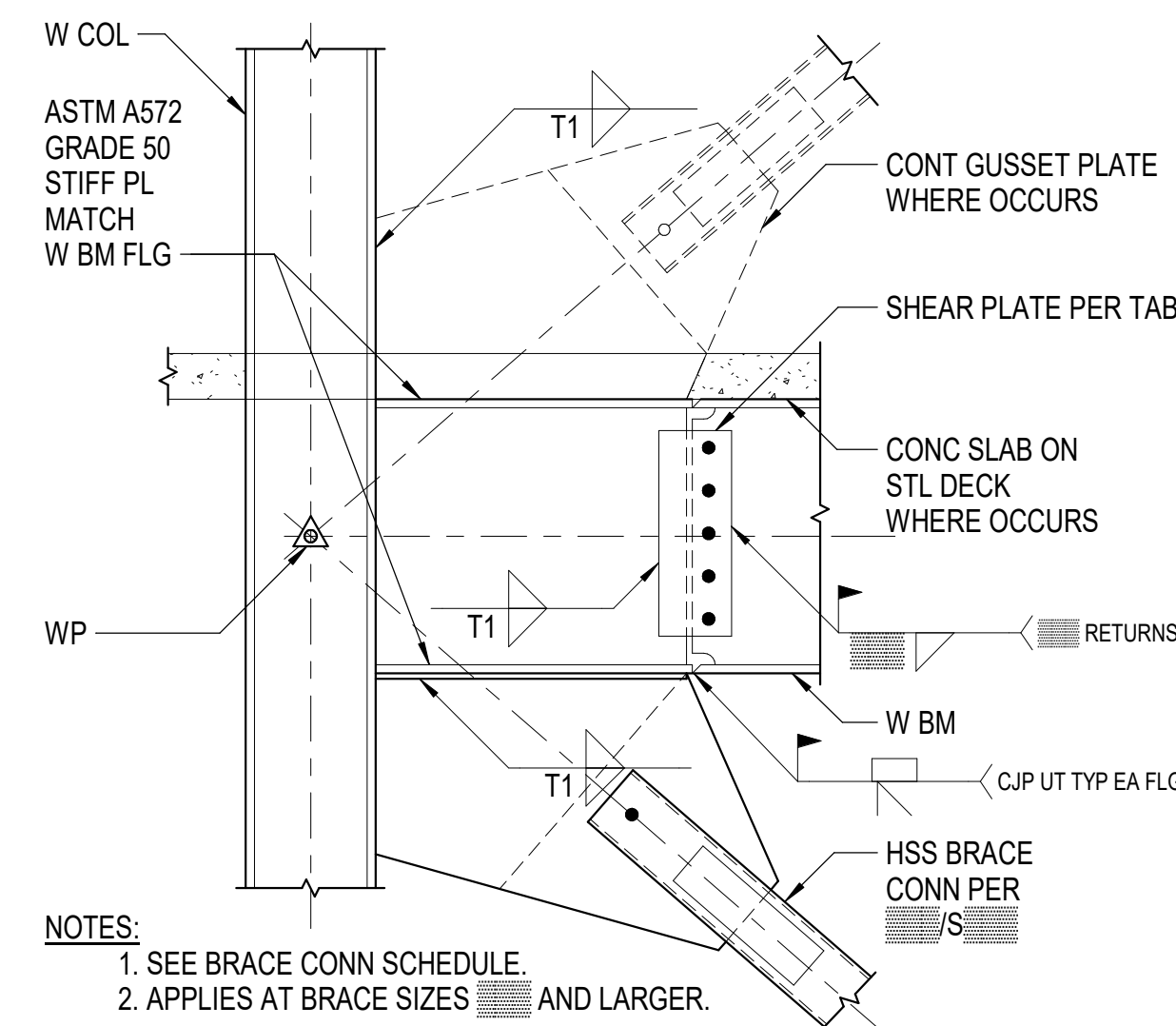
**5 BRACED HSS COL TO PILASTER**  
3/4" = 1'-0"



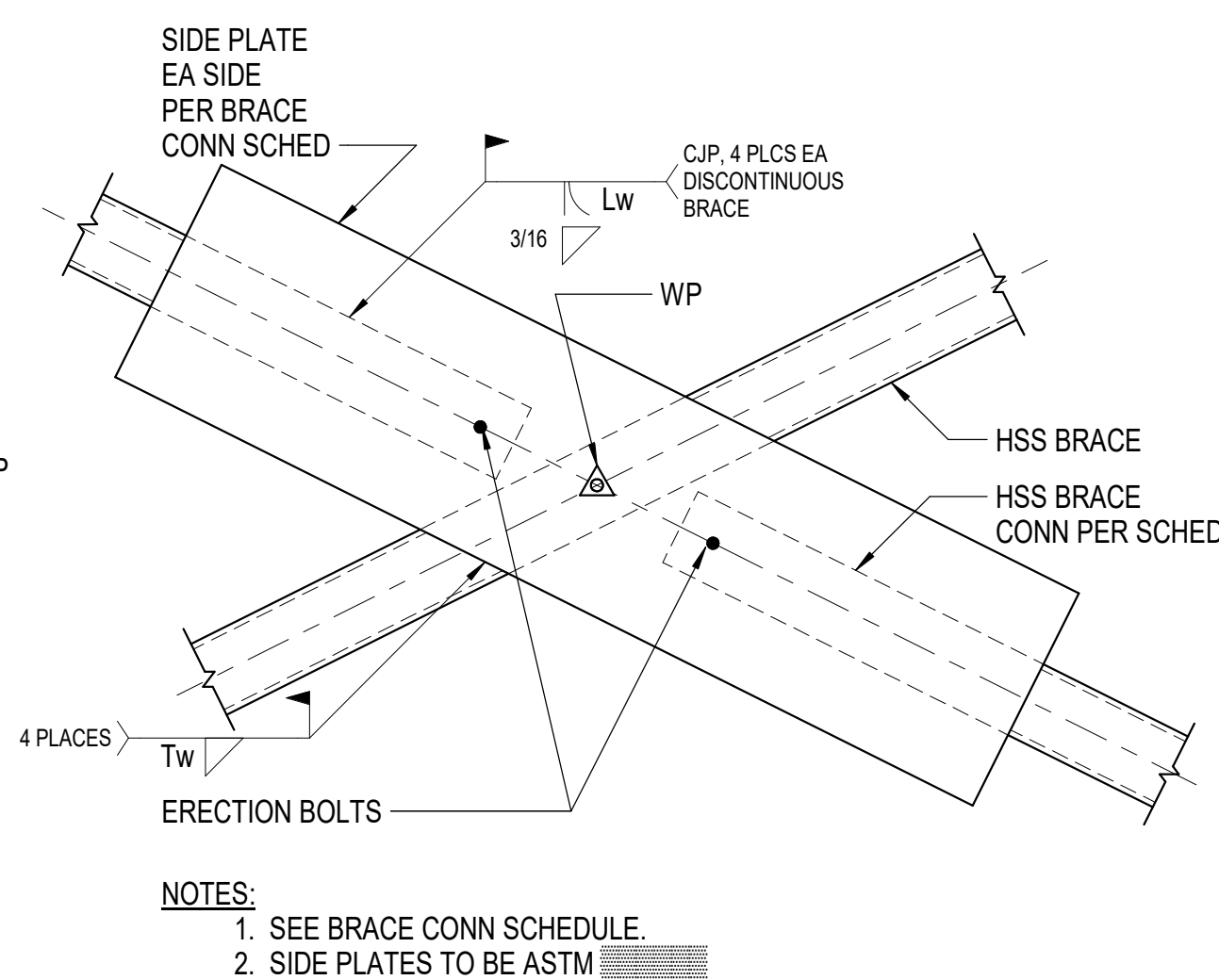
**9 GUSSET TO W BM**  
3/4" = 1'-0"



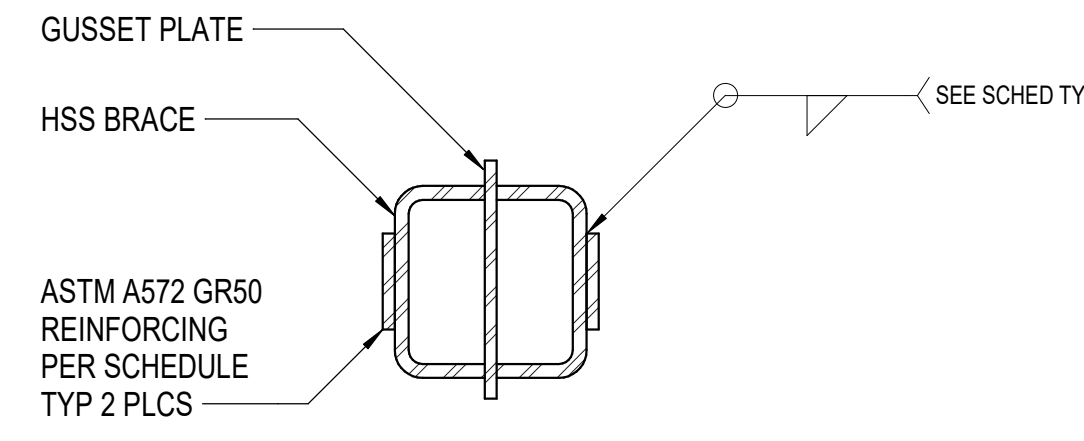
**2 BRACE TO GUSSET PLATE**  
3/4" = 1'-0"



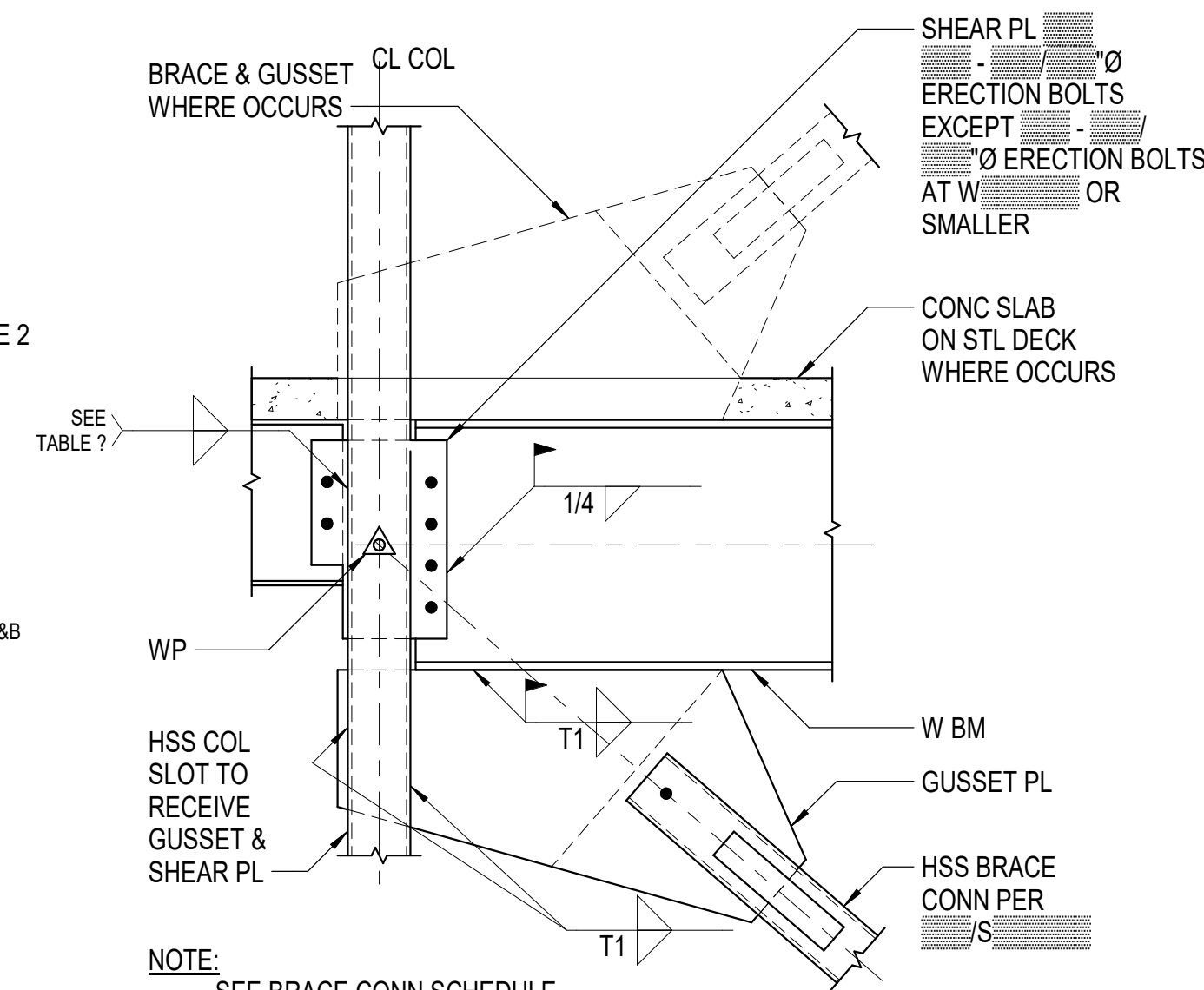
**6 GUSSET TO W COL FLANGE AT HSS**  
3/4" = 1'-0"



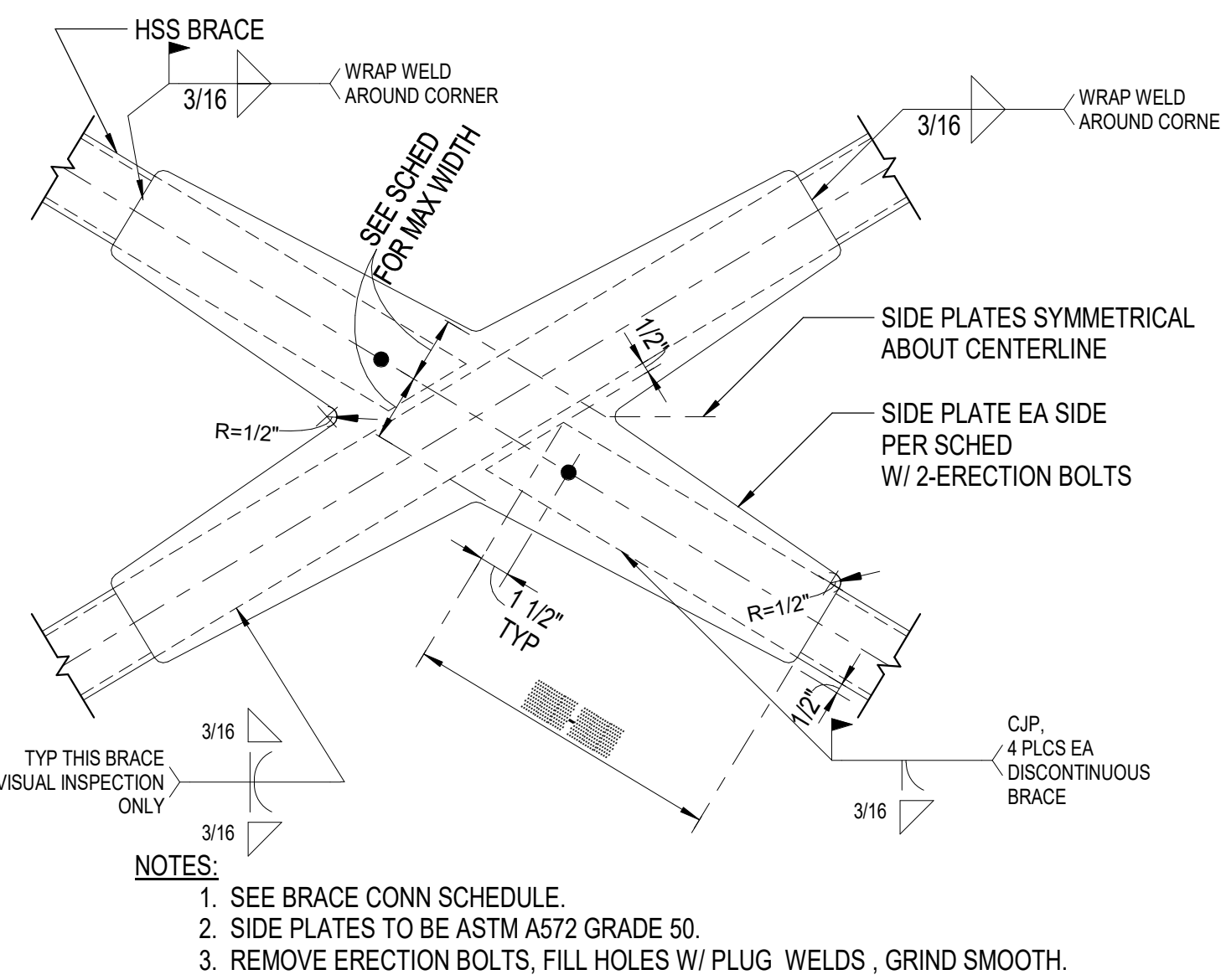
**10 X-BRACE CONN**  
3/4" = 1'-0"



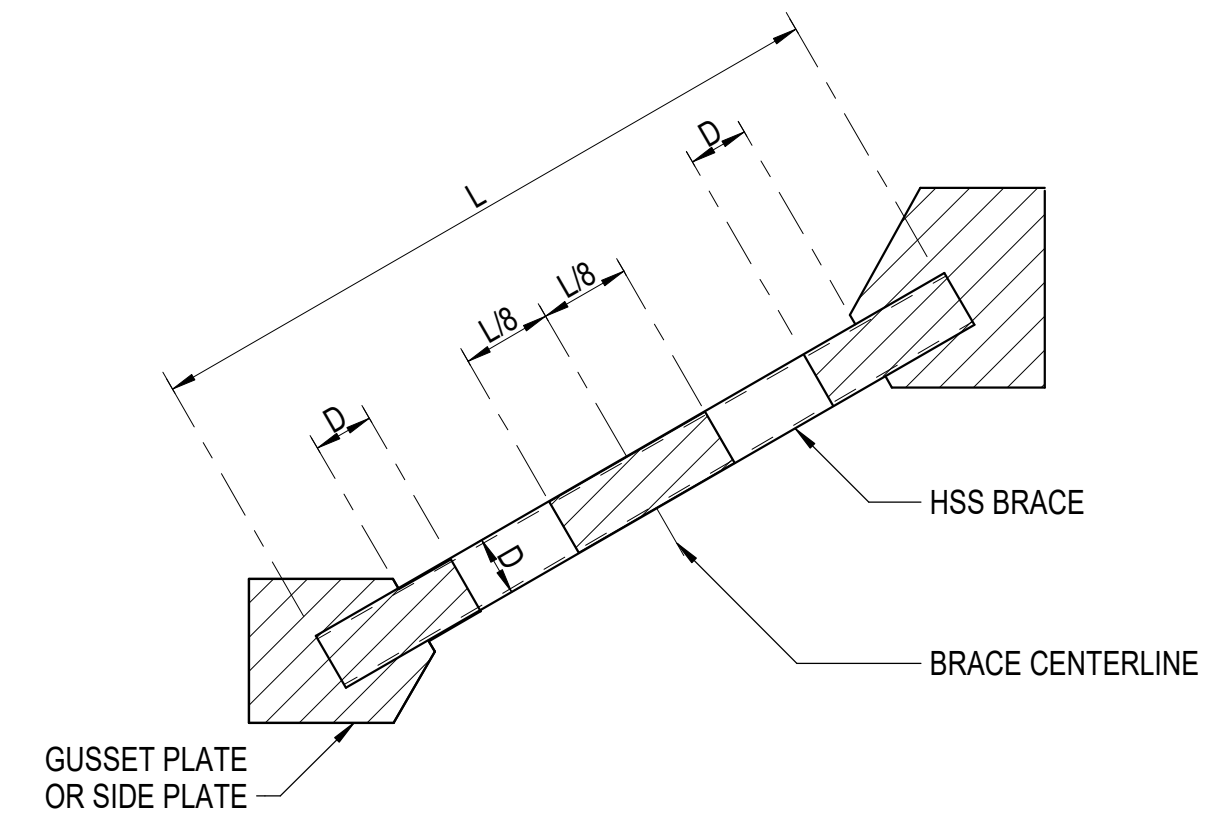
**3 BRACE REINFORCING**  
1 1/2" = 1'-0"



**7 GUSSET TO HSS COL**  
3/4" = 1'-0"

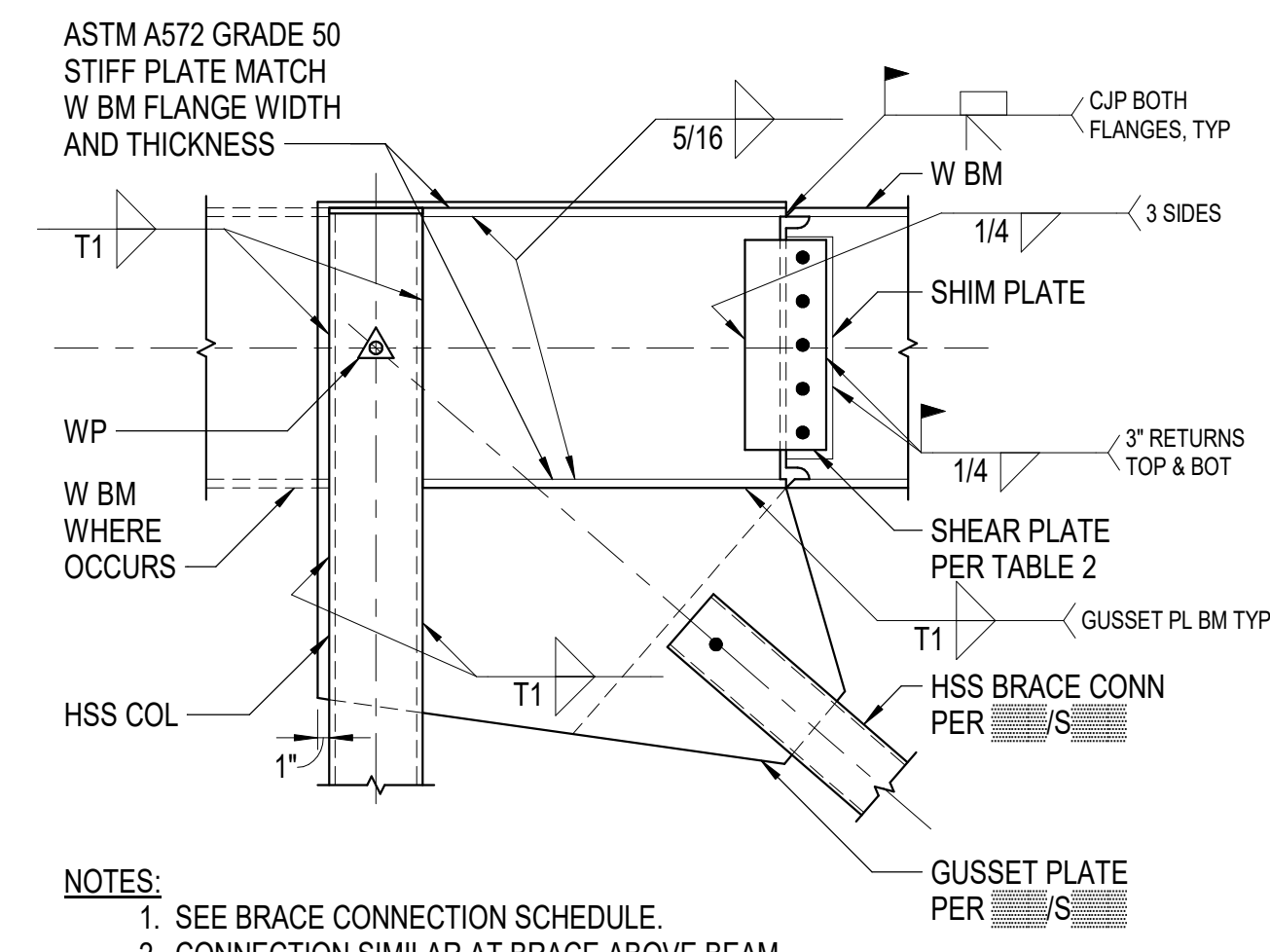


**11 X-BRACE CONN EXPOSED**  
1 1/2" = 1'-0"



**NOTE:**  
1. WELDS, HOLES, PENETRATIONS, AND FASTENERS ARE NOT PERMITTED WITHIN SHADED PROTECTED ZONES, EXCEPT AS SHOWN ON SHEETS. CONTRACTOR COORDINATE WITH ALL TRADES.  
2. PAINT THE PROTECTED ZONES A CONTRASTING COLOR.

**4 BRACE PROTECTED ZONES**  
3/4" = 1'-0"



**NOTES:**  
1. SEE BRACE CONNECTION SCHEDULE.  
2. CONNECTION SIMILAR AT BRACE ABOVE BEAM.

**8 HSS BRACE TO HSS COL**  
3/4" = 1'-0"

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BRACE DETAILS

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### CLASS B SPLICE SCHEDULE

FC = 4000 PSI

BAR SIZE	CLASS B SPLICE	CLASS B SPLICE AT TOP BARS (NOTE 4)
#3	1'-4"	1'-4"
#4	1'-4"	1'-8"
#5	1'-8"	2'-2"
#6	2'-4"	3'-1"
#7	2'-9"	3'-7"
#8	3'-1"	4'-1"
#9	4'-0"	5'-2"
#10	5'-0"	6'-6"
#11	6'-2"	8'-0"

**NOTES:**

- SPLICE LENGTHS SHOWN ARE FOR BARS MEETING THE FOLLOWING REQUIREMENTS.
- MIN CLEAR COVER = 1 1/2" EXCEPT 2" AT #7 AND LARGER BARS.
- MIN ON CENTER SPACING = 3" EXCEPT 5" AT #7 AND LARGER BARS.
- WHERE REINFORCING IS HORIZONTAL AND MORE THAN 12" OF FRESH CONCRETE IS CAST BELOW THE SPLICE, USE TOP BAR VALUES.

**1 CLASS B SPLICE SCHEDULE**  
3/4" = 1'-0"

### TABLE 1

SINGLE-PLATE SHEAR CONNECTIONS

BEAM SIZES	HSB REQD	HSB SIZE & TYPE	SHEAR PLATE THICKNESS	WELD SIZE
W8 TO W12		3/4"Ø - A325N	3/8"	1/4"
W14 TO W18		3/4"Ø - A325N	3/8"	1/4"
W21 TO W24		3/4"Ø - A325N	3/8"	1/4"
W27 TO W30		3/4"Ø - A325N	3/8"	1/4"
W30 TO W36		3/4"Ø - A325N	3/8"	1/4"

**NOTES:**

- ALL HSB TO BE FULLY TIGHTENED.
- FABRICATE SHEAR PLATES WITH HORIZ SHORT-SLOTTED HOLES AND BEAMS WITH STANDARD HOLES.
- HSB VERT SPACING = 3", MIN EDGE DIST = 1 1/2"

**2 TABLE 1**  
NTS

### TABLE 2

SINGLE-PLATE SHEAR CONNECTIONS

BEAM SIZES	HSB REQD	HSB SIZE & TYPE	SHEAR PLATE THICKNESS	WELD SIZE	BOLT SPACING	BOLT EDGE DIST
W12 TO W14	2	1"Ø - A490X, SC	3/8"	1/4"	4"	3"
W16	3	1"Ø - A490X, SC	3/8"	1/4"	4"	2 3/4"
W18 TO W21	3	1"Ø - A490X, SC	1/2"	1/4"	4 1/2"	2 3/4"
W24 TO W36	4	1"Ø - A490X, SC	3/8"	1/4"	5"	2 3/4"

**NOTES:**

- ALL HSB TO BE SLIP CRITICAL WITH CLASS A OR BETTER FAYING SURFACES.
- FABRICATE SHEAR PLATES AND BEAMS WITH STANDARD HOLES.

**3 TABLE 2**  
NTS

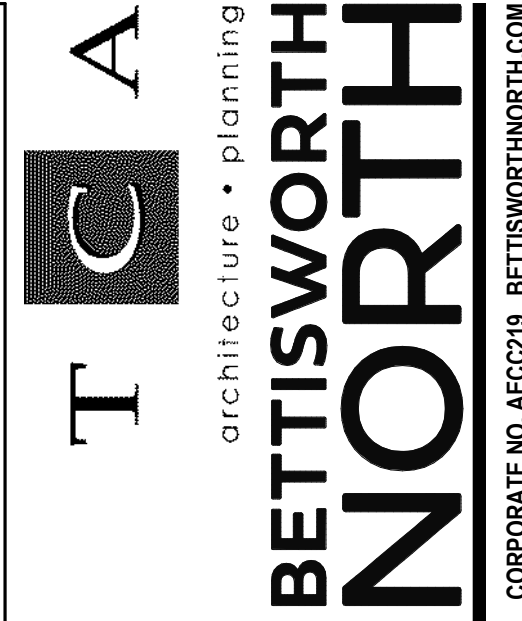
### BRACE CONNECTION SCHEDULE

BRACE SIZE	BRACE WELDS		GUSSET PLATE		GUSSET WELDS	BRACE CONN REINF		SIDE PL EA SIDE AT X-CONN		
	Tw, in	Lw, in	T, in	W, in	T1, in	REINF PLATE ES	REINF WELD	PLAT E	END FILLET	LENGTH OF FLARE BEVEL WELD REINF W/ 3/16 FILLET
HSS3x3x1/4	3/16	9	1/2	4 1/2	1/4	PL 1/4x3/4x1'-4"	1/8	1/4x6	3/16"	11"
HSS4x4x5/16	1/4	12	5/8	6 1/2	1/4	PL 3/8x1x1'-8"	3/16	3/8x7	5/16"	15"
HSS5x5x3/8	5/16	14	7/8	7 1/2	5/16	PL 1/2x1x1'-9"	1/4	3/8x11	5/16"	19"
HSS6x6x1/2	3/8	17	1	9 1/2	3/8	PL 1/2x1 1/2x2'-0"	5/16	7/16x12	5/16"	22"
HSS7x7x1/2	7/16	20	1 1/4	11 1/2	1/2	PL 3/4x1 3/4x3'-3"	5/16	3/8x16	5/16"	27"
HSS8x8x5/8	7/16	24	1 3/8	13	9/16	PL 5/8x2 1/4x3'-8"	5/16	1/2x16	5/16"	30"

**NOTE:**

ALL GUSSET PLATES, SIDE PLATES, AND REINF PLATES TO BE ASTM A572 GRADE 50.

**4 SQUARE HSS BRACE CONNECTION SCHEDULE**  
NTS



**HAINES BOROUGH**  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
**HAINES, ALASKA**

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PROJECT NO:	20-130	
DATE:	2022-08-25	
DRAWN BY:	Author	
CHECKED BY:	Checker	
REVISION	DESCRIPTION	DATE

SCHEDULES

# S601

NOT FOR CONSTRUCTION

CORPORATE NO. AEC0219 BETTISWORTH.COM

65% PRICING SET

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

### MECHANICAL LEGEND

	WASTE
	VENT PIPING
	COLD WATER
	HOT WATER
	HOT WATER RECIRCULATED
	SEE ABBREVIATIONS FOR MEDIA
	PIPE UP
	PIPE DOWN
	TEE UP
	TEE DOWN
	CAP
	UNION
	DIRECTION OF FLOW
	ISOLATION VALVE
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	CHECK VALVE
	BALANCE/SHUT-OFF VALVE
	PRESSURE REDUCING VALVE
	FLEXIBLE PIPING CONNECTOR
	PRESSURE/TEMPERATURE RELIEF VALVE
	HOSE BIBB
	PUMP
	CLEANOUT
	PIPE GUIDE
	PIPE ANCHOR
	THERMOMETER
	PRESSURE GAUGE WITH ISOLATION COCK
	STRAINER WITH BLOWDOWN
	WATER HAMMER ARRESTOR
	LETTER INDICATES PDI SIZE
	FLOOR CLEANOUT
	FLOOR DRAIN
	SUPPLY AIR UP & DOWN (SQUARE)
	SUPPLY AIR DIFFUSER / GRILLE
	RETURN AIR UP & DOWN (SQUARE)
	RETURN AIR GRILLE
	EXHAUST AIR UP & DOWN (SQUARE)
	EXHAUST AIR GRILLE
	ROUND DUCT UP & DOWN
	VOLUME DAMPER
	MOTORIZED CONTROL DAMPER
	SOUND LINED DUCTWORK
	DUCT SIZE (FIRST NUMBER - SIDE SHOWN) (SECOND NUMBER - SIDE NOT SHOWN)
	INSULATED DUCTWORK
	TURNING VANES
	FLEXIBLE DUCT CONNECTION
	DIFFUSER WITH FLEXIBLE DUCT
	THERMOSTAT OR SENSOR
	THERMOSTAT OR SENSOR WITH LOCKING COVER
	STATIC PRESSURE SENSOR
	SHEET NOTES
	SERVICE: S-SUPPLY, R-RETURN, E-EXHAUST
	CFM
	DIFFUSER OR GRILLE TAG
	DETAIL NUMBER
	SHEET LOCATED ON
	BASEBOARD DESIGNATION
	ACTIVE LENGTH
	GPM

### INTERCEPTOR SCHEDULE

SYMBOL	FIXTURE	CONNECTIONS		FLOW (GPM)	OIL HOLDING CAPACITY (GALLONS)	MFGR.	MODEL	DIMENSIONS	TRIM / REMARKS
OWS-1	OIL SEPARATOR	4"	(2)3"	75	93	STRIEM	OS-75-SS-C24-HP-HDK-2	46"Lx28"Wx42"H	BURIED, POLYETHYLENE, CAST IRON COVER, INLET/OUTLET DIFFUSERS, SLICK STICK MONITOR/ALARM PANEL, HIGH WATER ANCHOR KIT, RISER AS REQUIRED
OWS-2	OIL SEPARATOR	4"	(2)3"	50	40	STRIEM	OS-50-SS-C24-HP-HDK-2	37"Lx28"Wx32"H	BURIED, POLYETHYLENE, CAST IRON COVER, INLET/OUTLET DIFFUSERS, SLICK STICK MONITOR/ALARM PANEL, HIGH WATER ANCHOR KIT, RISER AS REQUIRED

### PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	MINIMUM CONNECTION SIZE						MANUFACTURER	MODEL	COLOR	TRIM / REMARKS
		CW	HW	WASTE	VENT	TRAP					
WC-1	WATER CLOSET - WALL MOUNT - ADA	1"	---	3"	2"	---	KOHLER	KINGSTON K-4325	WHITE	1.6 GPF SLOAN 111 MANUAL FLUSHOMETER FLUSH VALVE, SPLIT RIM SEAT, WALL CARRIER, MOUNT AT ADA HEIGHT	
WC-2	WATER CLOSET - WALL MOUNT - ADA	1"	---	3"	2"	---	KOHLER	KINGSTON K-4325	WHITE	1.6 GPF SLOAN 8111 OPTIMA BATTERY POWER FLUSHOMETER, SPLIT RIM SEAT, WALL CARRIER, MOUNT AT ADA HEIGHT	
CU-1	COMBINATION UNIT - ADA	*	*	*	*	---	WILLOUGHBY	1545	STAINLESS	ADA LAV-TOILET COMBINATION UNIT FOR 45 DEGREE WALL, ECF TOILET WASTE, ORIENTATION AS REQUIRED, FLOOR MOUNT, LIGATURE-RESISTANT BUBBLER, 1.6 GPF FLUSH VALVE, SINGLE TEMP NON-METERING LAV. VALVE, LIGATURE-RESISTANT LAV. PUSH BUTTON, INTEGRAL LAV. P-TRAP, LAVATORY OVERFLOW, AUTO RESET TOILET OVERFLOW, LIGATURE-RESISTANT TOILET SKIRT, LIGATURE-RESISTANT LAV. CLOSURE PANEL, LIGATURE-RESISTANT GRAB BARS	
*1"CW, 3"W, AND 2"V CONNECTIONS TO WATER CLOSET. 1/2"CW, 1/2"HW, 2"W, AND 1-1/2"V CONNECTION TO LAVATORY.											
UR-1	URINAL - WALL MOUNT - ADA	3/4"	---	2"	1-1/2"	---	KOHLER	BARDON K-4991-ET	WHITE	SLOAN ROYAL 186-1.0 FLUSH VALVE, WALL CARRIER FOR ADA HEIGHT	
LV-1	LAVATORY - WALL MOUNT - ADA	1/2"	1/2"	1-1/2"	1-1/4"	1-1/4"	KOHLER	KINGSTON K-2005	WHITE	BATTERY POWER SLOAN EBF-85, METAL GRID STRAINER, ASSE 1070 THERMOSTATIC MIX VALVE FOR HOT WATER SUPPLY, CONCEALED ARM SUPPORTS, WALL CARRIER FOR ADA HEIGHT, ADA COMPLIANT PROTECTIVE COVERS FOR PIPING/STOPS	
LV-2	LAVATORY - WALL MOUNT - ADA	1/2"	1/2"	1-1/2"	1-1/4"	1-1/4"	KOHLER	KINGSTON K-2005	WHITE	DELTA FAUCET 520LF-HDF WITH METAL POP-UP DRAIN, ASSE 1070 THERMOSTATIC MIX VALVE FOR HOT WATER SUPPLY, CONCEALED ARM SUPPORTS, WALL CARRIER FOR ADA HEIGHT, ADA COMPLIANT PROTECTIVE COVERS FOR PIPING/STOPS	
LV-3	LAVATORY - WALL MOUNT - ADA	1/2"	1/2"	1-1/2"	1-1/4"	1-1/4"	KOHLER	KINGSTON K-2005	WHITE	DELTA FAUCET 523LF-HDF WITH METAL GRID STRAINER, ASSE 1070 THERMOSTATIC MIX VALVE FOR HOT WATER SUPPLY, CONCEALED ARM SUPPORTS, WALL CARRIER FOR ADA HEIGHT, ADA COMPLIANT PROTECTIVE COVERS FOR PIPING/STOPS	
SK-1	KITCHEN THREE COMPARTMENT SINK	1/2"	1/2"	2"	1-1/2"	1-1/2"	JUST	TLX-1843-A-GR	STAINLESS	TWO EACH DELTA FAUCET 400LF-HDF WITH HOSE SPRAY CENTER BETWEEN BOWLS, PROVIDE AIR GAP AND HW FOR DISHWASHER CONNECTIONS, PROVIDE ONE BOWL WITH 1/2HP @ 120V INSINKERATOR BADGER 5 GARBAGE DISPOSAL	
SK-2	DECON THREE COMPARTMENT SINK	1/2"	1/2"	3"	2"	3"	JUST	SB-372-24R	STAINLESS	14 GA TYPE 304 SS, 12" BACKSPLASH, 3 EACH 24/24 BOWLS, STEEL TUBE LEGS, ADJ. BULLET FEET, OVER PARTITION HOLE PUNCHING, 2 EACH DELTA 55C1583 SPRAY FAUCETS WITH SWING SPOUT, CENTER FAUCETS BETWEEN BOWLS, PROVIDE 1 EACH BACKSPLASH MOUNTED HAWS 7610 EMERGENCY EYE/FACE WASH WITH THERMOSTATIC MIXING VALVE	
SK-3	DECON JANITOR/MOP SINK	1/2"	1/2"	3"	2"	3"	FIAT	MSB 3624	WHITE	SERVICE FAUCET 830-AA, HOSE AND HOSE BRACKET 832-AA, VINYL BUMPERGUARD E-77-AA, MOP HANGER 889-CC	
SK-4	EVIDENCE PROCESSING UTILITY SINK	1/2"	1/2"	3"	2"	3"	FIAT	FL-1	WHITE	FIAT A-1 DECK FAUCET, PROVIDE WITH REMOVABLE RUBBER DRAIN PLUG	
SK-5	JANITOR SINK	1/2"	1/2"	3"	2"	3"	FIAT	MSB 2424	WHITE	SERVICE FAUCET 830-AA, HOSE AND HOSE BRACKET 832-AA, VINYL BUMPERGUARD E-77-AA, MOP HANGER 889-CC	
SK-6	LAUNDRY SINK	1/2"	1/2"	2"	1-1/2"	2"	FIAT	DL-1	WHITE	FIAT FAUCET A-1	
SK-7	HAND WASH SINK	1/2"	1/2"	2"	1-1/2"	2"	JUST	A-544-FS	STAINLESS	BACKSPLASH MOUNT DELTA FAUCET 28C4924 WITH GOOSENECK AND SANITARY BLADES, PROVIDE METAL GRID STRAINER	
SK-8	SINGLE COMPARTMENT SINK - ADA	1/2"	1/2"	2"	1-1/2"	1-1/2"	JUST	SL-2122-A-GR	STAINLESS	DELTA FAUCET 101LF-HDF, 6-1/2" DEEP ADA BOWL DEPTH	
SK-9	MORGUE SINK - ADA	1/2"	1/2"	2"	1-1/2"	1-1/2"	JUST	SL-2122-A-GR	STAINLESS	DELTA FAUCET 26C3924, GOOSENECK, LAMINAR FLOW, SANITARY BLADES, GRID STRAINER, 6-1/2" DEEP ADA BOWL DEPTH	
SV-1	SHOWER VALVE - ADA	1/2"	1/2"	---	---	---	DELTA	T13H152	---	WITH R10000-UNWS VALVE BODY, 69" STAINLESS STEEL FLEX HOSE, VANDAL RESISTANT METAL LEVER, ADJUSTABLE MAXIMUM TEMPERATURE, INTEGRAL CHECK STOPS, PRESSURE BALANCED, 36" STAINLESS STEEL SLIDE BAR	
SV-2	SHOWER PANEL - PENAL	1/2"	1/2"	---	---	---	WILLOUGHBY	WRS-FA	STAINLESS	FRONT RECESSED MOUNTED, LIGATURE-RESISTANT DUAL TEMP METERING VALVE, LIGATURE-RESISTANT PUSH BUTTON, 1.5 GPM, LIGATURE-RESISTANT SHOWER HEAD, IN-LINE THERMOSTATIC MIX VALVE	
DF-1	DRINKING FOUNTAIN - DOUBLE - ADA	1/2"	---	1-1/2"	1-1/4"	---	ELKAY	EHWM217C	STAINLESS	PUSH BUTTON, WALL MOUNTED, DUAL BASIN, SATIN FINISH, VANDAL RESISTANT, TRAP, SURFACE MOUNTING PLATE	
DF-2	DRINKING FOUNTAIN/BOTTLE FILLER - ADA	1/2"	---	1-1/2"	1-1/4"	1-1/4"	ELKAY	LMABFDWSSK	STAINLESS	PUSH BAR, WALL MOUNTED, SENSOR ACTIVATED BOTTLE FILLER, BOTTLE FILLER FILTER, 2.0 FLA/15 WATTS 110V PLUG	
MF-1	MOP FAUCET	1/2"	1/2"	---	---	---	FIAT	830-AA	---	INTEGRAL PAIL HOOK, VACUUM BREAKER, 3/4" HOSE THREAD CONNECTION, HOSE AND HOSE BRACKET 832-AA	
WB-1	WASHER BOX	3/4"	3/4"	2"	1-1/2"	2"	OATEY	38995	---	WITH WATER HAMMER ARRESTORS	
RB-1	REFRIGERATOR BOX	1/2"	---	---	---	---	OATEY	38570	---	WITH WATER HAMMER ARRESTOR	
RD-1	ROOF DRAIN	---	---	3"	---	---	J.R. SMITH	1010	---	FIELD COORDINATE WITH ROOFING INSULATION AND PROVIDE WITH EXTENSION IF REQUIRED	
OD-1	OVERFLOW ROOF DRAIN	---	---	3"	---	---	J.R. SMITH	1080	---	WITH 2" DAM, FIELD COORDINATE WITH ROOFING INSULATION AND PROVIDE WITH EXTENSION IF REQUIRED	
FS-1	FLOOR SINK	---	---	3"	2"	3"	J.R. SMITH	3100	---	WITH DOME BOTTOM STRAINER, NB RIM, 3/4" GRATE, P-TRAP TRAP PRIMER CONNECTION, INSTALL FLUSH WITH SLAB	
FD-1	FLOOR DRAIN	---	---	2"	1-1/2"	2"	J.R. SMITH	2005-A	---	WITH ROUND TOP, TRAP PRIMER CONNECTION AT LOCATIONS INDICATED ON PLANS	
FD-2	FLOOR DRAIN - VANDAL PROOF	---	---	2"	1-1/2"	2"	J.R. SMITH	2005-A	---	WITH ROUND TOP, TRAP PRIMER CONNECTION, VANDAL PROOF SCREWS	
FD-3	FLOOR DRAIN	---	---	2"	1-1/2"	2"	J.R. SMITH	2005-A	---	WITH SEDIMENT BUCKET, VENT AND TRAP WITH TRAP PRIMER CONNECTION AT LOCATIONS INDICATED ON PLANS	
FD-4	FLOOR DRAIN	---	---	4"	2"	4"	J.R. SMITH	2005-A	---	WITH SEDIMENT BUCKET, TRAP PRIMER CONNECTION	
TD-1	TRENCH DRAIN	---	---	4"	---	---	ZURN	Z886-HD	---	HEAVY-DUTY FRAME, HEEL-PROOF DUCTILE SLOTTED GRATE, CLASS E, Z887-6-HD CATCH BASIN WITH SEDIMENT BUCKET	
HB-1	HOSE BIBB - FROST PROOF	3/4"	---	---	---	---	WOODFORD	MODEL 65	---	WITH TEE HANDLE, VACUUM BREAKER	
HB-2	HOSE BIBB - FROST PROOF	3/4"	3/4"	---	---	---	WOODFORD	MODEL C22	---	WITH OPERATING HANDLES, IAPMO LISTED, CHECK VALVES, BACKFLOW PREVENTER, 3/4" MALE HOSE THREAD, PROVIDE 100' OF 3/4" GOODYEAR PREMIUM RED HOT WATER HOSE AND LIBERTY 2LRK9 WALL MOUNTED HOSE REEL	
HB-3	HOSE BIBB	3/4"	---	---	---	---	WOODFORD	MODEL 24	---	WITH VACUUM BREAKER	

### FUEL TANK SCHEDULE

SYMBOL	MFGR / MODEL	FUNCTION	FLUID	CAPACITY (GALLONS)	DIMENSIONS	MATERIAL	LABEL	REMARKS
FOT-1	GREER TANK / PER MFGR	FUEL OIL STORAGE	#1 FUEL OIL	5,000	96"ø x 184"	STEEL	UL-142	DOUBLE WALL ABOVE GROUND SKID TANK, LADDER, LOW FILL, WEATHERPROOF COATING, REQUIRED CONNECTIONS PER PLANS
DT-1	SIMPLEX / SRS-75	FUEL OIL DAY TANK	#1 FUEL OIL	75	28.25"W x 30.88"D x 73.1"H	STEEL	UL-142	DOUBLE WALL TANK, REMOTE DUPLEX PUMPS, PROVIDE ALL OPTIONS/CONNECTIONS PER PLANS/SPECS FOR OPERABLE SYSTEM

### EXPANSION/BUFFER TANK SCHEDULE

SYMBOL	MFGR / MODEL	FUNCTION	FLUID	TOTAL VOLUME (GALLONS)	ACCEPTANCE VOLUME (GALLONS)	DIMENSIONS	MATERIAL	LABEL	REMARKS
ET-1	AMTROL / 200-L	BOILER LOOP HYDRONIC EXPANSION	WATER	53	53	24"ø x 37"	STEEL/BUTYL	ASME	SET PRE-CHARGE TO 12 PSIG
ET-2	AMTROL / 1400-L	BUILDING HEAT HYDRONIC EXPANSION	50% P.G.	370	370	36"ø x 98"	STEEL/BUTYL	ASME	SET PRE-CHARGE TO 12 PSIG
ET-3	AMTROL / 200-L	CHILLED HYDRONIC EXPANSION	50% P.G.	53	53	24"ø x 37"	STEEL/BUTYL	ASME	SET PRE-CHARGE TO 12 PSIG
ET-4	AMTROL / AX-40V	HEAT RECOVERY HYDRONIC EXPANSION	50% P.G.	21.7	11.3	16.25"ø x 29.5"	STEEL/BUTYL	ASME	SET PRE-CHARGE TO 12 PSIG
ET-5	AMTROL / ST-80V	DOMESTIC HOT WATER EXPANSION	WATER	44	34	22"ø x 36"	STEEL/BUTYL	NSF	SET PRE-CHARGE TO 60 PSIG
BT-1	AMTROL / CWBT500-6-150	CHILLED HYDRONIC BUFFERING	50% P.G.	500	N/A	42"ø x 99.5"	STEEL	ASME	150 PSIG, WITH INTERNAL BAFFLE

65% SET  
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HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
 HAINES, ALASKA

CONSULTANT:

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PROJECT NO:	2022.035.0
DATE:	2022-08-25
DRAWN BY:	TCH
CHECKED BY:	TCH

REVISION	DESCRIPTION	DATE

LEGEND AND SCHEDULES

# M001

BETTISWORTH NORTH ARCHITECTS & PLANNERS

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

ABBREVIATIONS

Table of abbreviations and their corresponding full names, such as AAV for Compressed Air, AD for Access Door, and YCO for Yard Clean Out.

HOT WATER HEATER SCHEDULE

Table with columns: SYMBOL, MFGR / MODEL, STORAGE (GALLONS), FUEL TYPE, RECOVERY AT 100°F RISE (GPH), INPUT (kW), ELECTRICAL DATA (FLA, VOLTS/PH), LABEL, REMARKS. Includes entry WH-1/2.

AIR COMPRESSOR SCHEDULE

Table with columns: SYMBOL, MFGR / MODEL, TYPE, DIMENSIONS, ELECTRICAL (HP, VOLTS/PH), REMARKS. Includes entry AC-1.

GLYCOL MAKE-UP TANK SCHEDULE

Table with columns: SYMBOL, MFGR / MODEL, FUNCTION, FLUID, CAPACITY (GALLONS), DIMENSIONS, MATERIAL, ELECTRICAL DATA (AMPS/WATTS, VOLTS/PH), LABEL, REMARKS. Includes entries GT-1, GT-2, GT-3.

TEMPERING VALVE SCHEDULE

Table with columns: SYMBOL, MFGR / MODEL, INLET SIZES, OUTLET SIZE, MINIMUM FLOW RATE (GPM), MAXIMUM FLOW AT 30 PSI (GPM), CV, FINISH, LABEL, REMARKS. Includes entry TV-1.

PUMP SCHEDULE

Table with columns: SYMBOL, MFGR / MODEL, SERVICE, FLUID, GPM, HEAD FT, RPM, MOTOR DATA (HP, VOLTS/PH), REMARKS. Includes entries BC-1/2, CP-1A/B, CP-2A/B, CP-3A/B, CP-4A/B, CP-5A/B, CP-6A/B, HWC, SP-1.

AIR SEPARATOR SCHEDULE

Table with columns: SYMBOL, MFGR / MODEL, SYSTEM, FLUID, GPM, WPD (FT. HD), INLET/OUTLET SIZE, DIMENSIONS, LABEL, REMARKS. Includes entries AS-1, AS-2, AS-3, AS-4.

BOILER SCHEDULE

Table with columns: SYMBOL, MFGR / MODEL, TYPE, FLUID, FUEL, INPUT (GPH), GROSS IBR OUTPUT (MBH), BURNER (HP, VOLTS/PH), LABEL, REMARKS. Includes entries B-1, B-2.

UNIT HEATER SCHEDULE

Table with columns: SYMBOL, MFGR / MODEL, CAPACITY (MBH), GPM, FLUID, EFT, LFT, WPD (FT HD), CFM, MOTOR DATA (HP, VOLTS/PH), REMARKS. Includes entries UH-1/11, UH-2/3/4/6/15, UH-5/7, UH-8/9/10, UH-12/13, UH-14/16, CUH-1/4, CUH-2, CUH-3.



65% SET NOT FOR CONSTRUCTION

HAINES BOROUGH HAINES COMMUNITY SAFETY AND TRAINING CENTER HAINES, ALASKA 65% PRICING SET

CONSULTANT: HZA ENGINEERING SOLUTIONS logo and contact information.

PROJECT NO: 2022.035.0 DATE: 2022-08-25 DRAWN BY: TCH CHECKED BY: TCH

Table with columns: REVISION, DESCRIPTION, DATE.

ABBREVIATIONS AND SCHEDULES

M002

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

### RADIANT HEATING SCHEDULE

ZONE	MANIFOLD	AREA (SQ. FT.)	BTUH PER SQ. FT.	NO. OF LOOPS	ACTIVE LOOP LENGTH	LOOP FLOW (GPM)	TOTAL ZONE FLOW (GPM)	ON CENTER TUBE SPACING	TUBE SIZE	LOOP PRESSURE DROP (FT. HD.)	LOOP ARRANGEMENT	SYSTEM TEMP.	TEMP. DROP	FLUID	REMARKS
A	R-1	1,480	35	8	247'	0.75	6.0	9"	5/8"	<4.0'	COUNTERFLOW	130°F	20°F	50% P.G.	APPARATUS BAY, 1" SUPPLY/RETURN RADIANT MANIFOLDS
B	R-2	1,440	35	8	240'	0.73	5.8	9"	5/8"	<4.0'	COUNTERFLOW	130°F	20°F	50% P.G.	APPARATUS BAY, 1" SUPPLY/RETURN RADIANT MANIFOLDS
C	R-3	1,440	35	8	240'	0.73	5.8	9"	5/8"	<4.0'	COUNTERFLOW	130°F	20°F	50% P.G.	APPARATUS BAY, 1" SUPPLY/RETURN RADIANT MANIFOLDS
D	R-4	1,450	35	8	242'	0.73	5.8	9"	5/8"	<4.0'	COUNTERFLOW	130°F	20°F	50% P.G.	APPARATUS BAY, 1" SUPPLY/RETURN RADIANT MANIFOLDS
E	R-5	820	35	5	219'	0.66	3.3	9"	5/8"	<4.0'	COUNTERFLOW	130°F	20°F	50% P.G.	APPARATUS BAY, 1" SUPPLY/RETURN RADIANT MANIFOLDS
F	R-6	270	35	2	180'	0.55	1.1	9"	5/8"	<3.0'	COUNTERFLOW	130°F	20°F	50% P.G.	MORGUE, 3/4" SUPPLY/RETURN RADIANT MANIFOLDS
G	R-7	670	35	4	224'	0.68	2.7	9"	5/8"	<4.0'	COUNTERFLOW	130°F	20°F	50% P.G.	INTAKE AND VEHICLE BAY, 1" SUPPLY/RETURN RADIANT MANIFOLDS
H	R-8	480	35	3	214'	0.63	1.9	9"	5/8"	<4.0'	COUNTERFLOW	130°F	20°F	50% P.G.	EVIDENCE PROCESSING AND STORAGE ROOMS, 1" SUPPLY/RETURN RADIANT MANIFOLDS
I	R-9	230	25	2	154'	0.35	0.7	9"	5/8"	<3.0'	COUNTERFLOW	130°F	20°F	50% P.G.	SHOWER/TOILET ROOMS, 3/4" SUPPLY/RETURN RADIANT MANIFOLDS

NOTE: INDICATED LOOP PRESSURE DROPS DO NOT INCLUDE RADIANT MANIFOLD HEAD LOSS. ABOVE BTUH PER SQ. FT. VALUES ARE CALCULATED BASED ON BARE CONCRETE FLOORS (R-VALUE OF 0.0 HR-FT<sup>2</sup>-F/BTU) IN ALL SPACES EXCEPT SHOWER ROOMS, WHICH ARE EXPECTED TO HAVE VINYL FLOORS (R-VALUE OF 0.25 HR-FT<sup>2</sup>-F/BTU OR LESS).

### SNOWMELT HEATING SCHEDULE

ZONE	MANIFOLD	AREA (SQ. FT.)	BTUH PER SQ. FT.	NO. OF LOOPS	ACTIVE LOOP LENGTH	LOOP FLOW (GPM)	TOTAL ZONE FLOW (GPM)	ON CENTER TUBE SPACING	TUBE SIZE	LOOP PRESSURE DROP (FT. HD.)	LOOP ARRANGEMENT	SYSTEM TEMP.	TEMP. DROP	FLUID	REMARKS
A	SN-1	915	120	5	220'	2.1	10.5	10"	3/4"	<10'	COUNTERFLOW	130°F	25°F	50% P.G.	MAIN ENTRANCE SIDEWALK, 1-1/4" SUPPLY/RETURN MANIFOLDS

NOTE: INDICATED LOOP PRESSURE DROPS DO NOT INCLUDE RADIANT MANIFOLD HEAD LOSS. ABOVE BTUH PER SQ. FT. VALUES ARE CALCULATED BASED ON BARE CONCRETE SIDEWALKS.

### BASEBOARD RADIATION SCHEDULE

SYMBOL	MFGR / MODEL	OUTPUT (BTU/LF)	FLUID	EFT	LFT	TUBE SIZE	ELEMENT FIN SIZE	FIN PER FOOT	FIN THICKNESS	NUMBER OF TIERS	MOUNTING HEIGHT	ENCLOSURE THICKNESS	REMARKS
BB-1	STERLING / JV24B-S-C3/4-45	640	50% P.G.	130°F	110°F	3/4" Cu	4-1/4" x 4-1/4"	50	0.020" AL	1	28"	18 GA	LOW OPERATING WATER TEMPERATURE, VERSA-LINE LT SERIES, SINGLE TIER, ENCLOSURE COLOR PER ARCHITECT
BB-2	STERLING / JV24B-S-C3/4-45	960	50% P.G.	130°F	110°F	3/4" Cu	4-1/4" x 4-1/4"	50	0.020" AL	3	28"	18 GA	LOW OPERATING WATER TEMPERATURE, VERSA-LINE LT SERIES, THREE TIERS AT 6" CENTERS, ENCLOSURE COLOR PER ARCHITECT
BB-3	STERLING / C3/4-45	680	50% P.G.	130°F	110°F	3/4" Cu	4-1/4" x 4-1/4"	50	0.020" AL	2	15-3/8"	---	LOW OPERATING WATER TEMPERATURE, VERSA-LINE BARE ELEMENT "B", TWO TIERS AT 6" CENTERS, INSTALL WITHIN ARCHITECTURAL ENCLOSURE

### HEAT EXCHANGER SCHEDULE

SYMBOL	MFGR / MODEL	TYPE	HOT SIDE						HEAT EXCHANGED (MBH)	COLD SIDE						LABEL	REMARKS
			FLUID	FLOW (GPM)	WPD (FT HD)	EFT	LFT	CONN. SIZE		FLUID	FLOW (GPM)	WPD (FT HD)	EFT	LFT	CONN. SIZE		
HE-1	TRANTRER / BY MFGR.	PLATE & FRAME	WATER	232	<6'	180°F	160°F	4"	2,259.5	50% P.G.	253	<7'	110°F	130°F	4"	ASME	---

### COIL SCHEDULE

SYMBOL	MFGR	LOCATION	COIL FACE SIZE	CFM	AIR P.D. (IN. W.C.)	VELOCITY (FPM)	EAT	LAT	GPM	FLUID	EFT	LFT	WPD (FT. HD.)	REMARKS
CC-1	BY AHU MANUFACTURER	AHU-1	PER MFGR	17,000	<1.0	<500	75°F	55°F	101	50% P.G.	44°F	54°F	<14'	QUANTITY TWO
HC-1	BY AHU MANUFACTURER	AHU-1	PER MFGR	9,700	<0.40	<580	20°F	75°F	45	50% P.G.	130°F	100°F	<8'	QUANTITY TWO, APD BASED UPON 17,000 CFM
HC-2	BY MAU MANUFACTURER	MAU-1	PER MFGR	5,200	<0.50	<600	-5°F	60°F	28	50% P.G.	130°F	100°F	<8'	---
HRC-1	BY AHU MANUFACTURER	AHU-1	PER MFGR	6,500	<0.25	<300	-5°F	15°F	32.8	50% P.G.	34.8°F	23.2°F	<10'	HEAT RECOVERY COIL, QUANTITY TWO, APD BASED UPON 17,000 CFM
HRC-2	PRECISIONS COILS	EF-1	48"W x 36"H	3,855	<0.25	<300	70°F	35°F	30	50% P.G.	23.2°F	34.8°F	<8'	HEAT RECOVERY COIL
HRC-3	PRECISIONS COILS	EF-2	18"W x 12"H	350	<0.25	<300	70°F	35°F	2.8	50% P.G.	23.2°F	34.8°F	<6'	HEAT RECOVERY COIL

### AIR SOURCE HEAT PUMP SCHEDULE

SYMBOL	MFGR / MODEL	TYPE	REFRIGERANT FLUID	SYSTEM FLUID	HEATING PERFORMANCE AT 40°F AMBIENT					COOLING PERFORMANCE AT 85°F AMBIENT					SINGLE POINT ELECTRICAL DATA			REMARKS		
					MBH	EGT	LGT	FLOW (GPM)	WPD (FT HD)	COP	COOLING TONNAGE	EGT	LGT	FLOW (GPM)	WPD (FT HD)	FLA	MCA		MOCQ	VOLTS/PH
ASHP-1	TRANE / AXM030 (2 MODULES)	AIR SOURCE	R-410A	50% P.G.	444.7	110°F	130°F	49	<4'	1.55	57.03	54°F	44°F	146.4	<20'	134	143	175	460/3	AIR-COOLED MODULAR HEAT PUMP, TWO EACH DUAL CIRCUIT 30 TON MODULES, VAPOR INJECTION SCROLL COMPRESSORS, SINGLE POINT POWER FOR CHILLER ASSEMBLY, PERFORATED ACCESS PANELS, NON-FUSED DISCONNECT, 8:1 CAPACITY TURN DOWN, INTEGRAL CONTROLS, FACTORY PROVIDED/INSTALLED CABINET PANELS, FACTORY INSTALLED MOTORIZED ISOLATION VALVES, FLOW SWITCHES, AND DRAIN PANS PER MODULE, PROVIDE WITH REVERSING VALVES, RECEIVERS, AND ACCUMULATORS ON EACH CIRCUIT, ECM VARIABLE SPEED FANS, STRAINER ISOLATION

### AIR HANDLING UNIT SCHEDULE

SYMBOL	MFGR / MODEL	SERVICE	SUPPLY SIDE									RETURN SIDE									REMARKS
			AIRFLOW (CFM)	TSP/ESP (IN. WG.)	TYPE	RECOVERY COIL	COOL COIL	HEAT COIL	ELECTRICAL DATA			AIRFLOW (CFM)	TSP/ESP (IN. WG.)	TYPE	ELECTRICAL DATA						
									MOTORS	HP	VOLTS/PH				MOTORS	HP	VOLTS/PH				
AHU-1	HAAKON / CUSTOM	BUILDING	17,000	7.00/3.00	PLUG	HRC-1	CC-1	HC-1	2 EACH	15	460/3	17,000	1.40/1.00	PLUG	2 EACH	5	460/3	OPPOSED BLADE DAMPERS, MERV 8 SUMMER/WINTER FILTERS, MERV 13 FINAL FILTERS, VFD COMPATIBLE FANS, 6,500 CFM MINIMUM OUTSIDE AIR, TWO EACH SUPPLY FANS, TWO EACH RETURN FANS, PREMIUM EFFICIENT MOTORS WITH SHAFT GROUNDING, FAN ISOLATION INLET CONTROL DAMPER AT EACH FAN (TYP. OF 4), ECONOMIZING BYPASS DAMPERS AT HRC-1 COILS, 100% MODULATING OUTSIDE/RETURN/RELIEF/BYPASS CONTROL DAMPERS, INSULATED OUTSIDE/RELIEF/BYPASS CONTROL DAMPERS, 2 ROW COILS (TYP. OF 3), DRAIN PANS WITH STAINLESS STEEL GRATING, 6" UNIT BASE RAIL, INSULATED CABINET, ACCESS DOORS, INTERNAL LIGHTING			

### MAKE UP AIR HANDLING UNIT SCHEDULE

SYMBOL	MFGR / MODEL	SERVICE	CFM	TSP / ESP (IN. WG)	TYPE	HEAT COIL	MOTOR DATA		REMARKS
							HP	VOLTS/PH	
MAU-1	YORK / XTI-39x54	APPARATUS BAY MAKE UP AIR	5,200	2.52 / 0.75	CENTRIFUGAL	HC-2	5.0	460/3	INSULATED CABINET, INLET SECTION WITH OUTSIDE AIR CONTROL DAMPER, INSULATED OUTSIDE AIR DAMPER, MERV 8 SUMMER/WINTER FILTER SECTION, SUPPLY FAN SPRING ISOLATORS, PREMIUM EFFICIENCY MOTOR, FACTORY PROVIDED AND UNIT MOUNTED SUPPLY FAN VFD, FUSED DISCONNECT, ACCESS DOORS, 6" BASE RAIL



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HAINES BOROUGH  
HAINES COMMUNITY SAFETY AND TRAINING CENTER  
HAINES, ALASKA  
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CHECKED BY:	TCH

REVISION	DESCRIPTION	DATE

SCHEDULES

# M003

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IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

### VAV BOX SCHEDULE

SYMBOL	REHEAT COIL SYMBOL	BOX MFR	BOX MODEL	INLET SIZE (IN.)	MAX. CFM	MIN. CFM	BOX SP LOSS (IN. WG.)	DOWNSTREAM SP (IN. WG.)	MAX NC	REHEAT COIL							REMARKS		
										NUMBER OF ROWS	EAT	LAT	MINIMUM PIPE SIZE	BRANCH PIPE SIZE	GPM	FLUID		EFT	LFT
VAV-1	RHC-1	TRANE	VCWF	10"ø	850	425	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	2.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-2	RHC-2	TRANE	VCWF	10"ø	700	350	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	2.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-3	RHC-3	TRANE	VCWF	8"ø	615	310	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	2.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-4	RHC-4	TRANE	VCWF	8"ø	300	150	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	1.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-5	RHC-5	TRANE	VCWF	10"ø	700	350	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	2.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-6	RHC-6	TRANE	VCWF	6"ø	290	145	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	1.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-7	RHC-7	TRANE	VCWF	8"ø	440	440	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	2.0	50% P.G.	130°F	110°F	<2'	CONSTANT VOLUME BOX, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-8	RHC-8	TRANE	VCWF	10"ø	700	350	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	2.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-9	RHC-9	TRANE	VCWF	8"ø	405	405	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	2.0	50% P.G.	130°F	110°F	<2'	CONSTANT VOLUME BOX, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-10	RHC-10	TRANE	VCWF	6"ø	130	65	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	1.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-11	RHC-11	TRANE	VCWF	8"ø	365	365	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	2.0	50% P.G.	130°F	110°F	<2'	CONSTANT VOLUME BOX, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-12	RHC-12	TRANE	VCWF	8"ø	630	315	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	2.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-13	RHC-13	TRANE	VCWF	8"ø	400	200	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	1.5	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-14	RHC-14	TRANE	VCWF	8"ø	420	210	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	1.5	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-15	RHC-15	TRANE	VCWF	8"ø	480	480	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	2.0	50% P.G.	130°F	110°F	<2'	CONSTANT VOLUME BOX, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-16	RHC-16	TRANE	VCWF	10"ø	965	965	<0.3"	0.5"	<30	2 ROW	55°F	80°F	1"	4.0	50% P.G.	130°F	110°F	<2'	CONSTANT VOLUME BOX, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-17	RHC-17	TRANE	VCWF	12"ø	1,210	605	<0.3"	0.5"	<30	2 ROW	55°F	80°F	1"	3.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-18	RHC-18	TRANE	VCWF	8"ø	440	220	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	1.5	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-19	RHC-19	TRANE	VCWF	6"ø	190	95	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	1.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-20	RHC-20	TRANE	VCWF	6"ø	280	140	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	1.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-21	RHC-21	TRANE	VCWF	6"ø	375	190	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	1.5	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-22	RHC-22	TRANE	VCWF	12"ø	1,075	540	<0.3"	0.5"	<30	2 ROW	55°F	80°F	1"	3.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-23	RHC-23	TRANE	VCWF	12"ø	1,075	540	<0.3"	0.5"	<30	2 ROW	55°F	80°F	1"	3.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-24	RHC-24	TRANE	VCWF	10"ø	700	350	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	2.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-25	RHC-25	TRANE	VCWF	6"ø	300	300	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	2.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-26	RHC-26	TRANE	VCWF	10"ø	615	310	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	2.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-27	RHC-27	TRANE	VCWF	10"ø	720	360	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	2.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-28	RHC-28	TRANE	VCWF	10"ø	720	360	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	2.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION
VAV-29	RHC-29	TRANE	VCWF	10"ø	680	340	<0.3"	0.5"	<30	2 ROW	55°F	80°F	3/4"	2.0	50% P.G.	130°F	110°F	<2'	HEATING PERFORMANCE BASED ON BOX MINIMUM AIR FLOW, PROVIDE WITH 1" FOIL FACED INSULATION

### FAN SCHEDULE

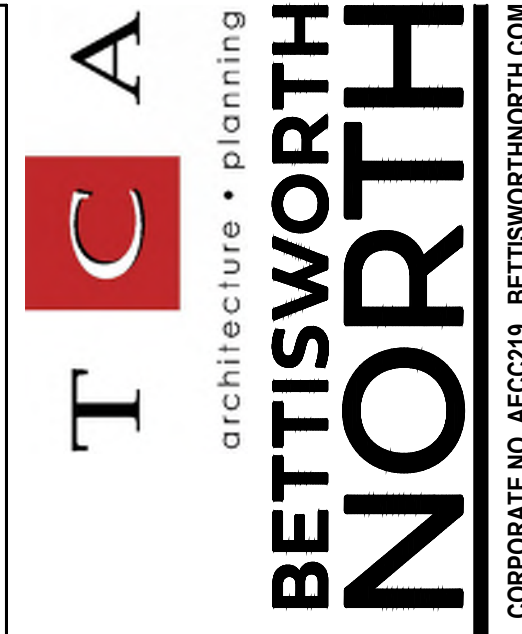
SYMBOL	MFR / MODEL	SERVICE	TYPE	CFM	TSP (IN. WG)	MOTOR DATA			DRIVE	SONES	REMARKS
						HP	AMPS	VOLTS/PH			
EF-1	GREENHECK / SQ-160	GENERAL BUILDING EXHAUST	CENTRIFUGAL	3,855	1.4	2.0	---	460/3	DIRECT	<12	WITH VFD COMPATIBLE MOTOR WITH SHAFT GROUNDING, UL LISTED, INSULATED HOUSING
EF-2	GREENHECK / SQ-99-VG	APPARATUS BAY EXHAUST	CENTRIFUGAL	350	0.75	1/4	---	115/1	DIRECT	<6	WITH EC MOTOR, UNIT MOUNTED SPEED CONTROLLER, UL LISTED, INSULATED HOUSING
EF-3	GREENHECK / SQ-140-VG	APPARATUS BAY PURGE	CENTRIFUGAL	2,425	1.0	1.0	---	208/1	DIRECT	<9	WITH EC MOTOR, UNIT MOUNTED SPEED CONTROLLER, UL LISTED, INSULATED HOUSING
EF-4	GREENHECK / SQ-140-VG	APPARATUS BAY PURGE	CENTRIFUGAL	2,425	1.0	1.0	---	208/1	DIRECT	<9	WITH EC MOTOR, UNIT MOUNTED SPEED CONTROLLER, UL LISTED, INSULATED HOUSING
EF-5	GREENHECK / SQ-99-VG	INTAKE/VEHICLE BAY PURGE	CENTRIFUGAL	375	0.65	1/4	---	115/1	DIRECT	<6	WITH EC MOTOR, UNIT MOUNTED SPEED CONTROLLER, UL LISTED, INSULATED HOUSING
EF-6	PANASONIC / FV-1115VK2	DRY CLOSET EXHAUST	CEILING	150	0.25	---	0.24	120/1	DIRECT	<1	ENERGY STAR RATED, ECM MOTOR, INTEGRAL BACKDRAFT DAMPER AND GRILLE, SPEED SELECTOR
EF-7	PANASONIC / FV-1115VK2	TOILET/SHOWER EXHAUST	CEILING	130	0.25	---	0.24	120/1	DIRECT	<1	ENERGY STAR RATED, ECM MOTOR, INTEGRAL BACKDRAFT DAMPER AND GRILLE, SPEED SELECTOR
EF-8	PANASONIC / FV-1115VK2	TOILET/SHOWER EXHAUST	CEILING	130	0.25	---	0.24	120/1	DIRECT	<1	ENERGY STAR RATED, ECM MOTOR, INTEGRAL BACKDRAFT DAMPER AND GRILLE, SPEED SELECTOR
EF-9	PANASONIC / FV-40VQ4	EVIDENCE HUMIDITY REMOVAL	CEILING	350	0.25	---	0.99	120/1	DIRECT	<4	FULLY ENCLOSED MOTOR, INTEGRAL BACKDRAFT DAMPER AND GRILLE
EF-10	GREENHECK / SQ-98-VG	DRYING CABINET	CENTRIFUGAL	450	1.5	3/4	---	115/1	DIRECT	<11	WITH EC MOTOR, UNIT MOUNTED SPEED CONTROLLER, UL LISTED, INSULATED HOUSING
EF-11	PANASONIC / FV-1115VK2	PD EQUIP. STOR EXHAUST	CEILING	150	0.25	---	0.24	120/1	DIRECT	<1	ENERGY STAR RATED, ECM MOTOR, INTEGRAL BACKDRAFT DAMPER AND GRILLE, SPEED SELECTOR
EF-12	GREENHECK / G-098-VG	MORGUE EXHAUST	DOWNBLAST	550	0.6	1/4	---	115/1	DIRECT	<9	UL LISTED, ROOF MOUNTED, ROOF CURB, EC MOTOR, GRAVITY BACKDRAFT DAMPER, REMOTE SPEED CONTROLLER DIAL LOCATED IN BUILDING
EF-13	GREENHECK / SQ-97-VG	O2 TANK STORAGE EXHAUST	CENTRIFUGAL	100	0.5	1/4	---	115/1	DIRECT	<9	WITH TOTALLY ENCLOSED EC MOTOR, UNIT MOUNTED SPEED CONTROLLER, UL LISTED, INSULATED HOUSING, ALUMINUM HOUSING/WHEEL
VF-1	GREENHECK / SS1-16-436-A7	BOILER ROOM VENTILATION	PROPELLER	3,000	0.35	3/4	---	115/1	DIRECT	<13	WITH UNIT MOUNTED SPEED CONTROLLER, UL LISTED, OSHA APPROVED MOTOR GUARD
VF-2	GREENHECK / SQ-140-VG	SCBA ROOM VENTILATION	CENTRIFUGAL	2,200	1.0	1.0	---	208/1	DIRECT	<8	WITH EC MOTOR, UNIT MOUNTED SPEED CONTROLLER, UL LISTED, INSULATED HOUSING, OUTLET GUARD, SIDE DISCHARGE
CF-1	LEADING EDGE / 60001	APPARATUS DESTRATIFICATION	CEILING	46,000	---	---	1.4	120/1	DIRECT	---	WITH SINGLE REMOTE MOTOR SPEED CONTROLLER
CF-2	LEADING EDGE / 60001	APPARATUS DESTRATIFICATION	CEILING	46,000	---	---	1.4	120/1	DIRECT	---	CONTROLLED BY CF-1 SPEED CONTROLLER
DB-1	GREENHECK / SQ-95-VG	DRYER BOOSTER FAN	CENTRIFUGAL	250	0.5"	1/6	---	115/1	DIRECT	---	UL LISTED WITH CONSTANT PRESSURE CONTROLLER AND TRANSFORMER, EC MOTOR, SIDE DISCHARGE, AND TENV TOTALLY ENCLOSED MOTOR COVER
DB-2	GREENHECK / SQ-95-VG	DRYER BOOSTER FAN	CENTRIFUGAL	250	0.5"	1/6	---	115/1	DIRECT	---	UL LISTED WITH CONSTANT PRESSURE CONTROLLER AND TRANSFORMER, EC MOTOR, AND TENV TOTALLY ENCLOSED MOTOR COVER

### LOUVER SCHEDULE

SYMBOL	MFR / MODEL	SERVICE	MATERIAL	FINISH	FACE SIZE (INCHES)	FREE AREA	REMARKS
L-1	RUSKIN / ELF6375DX	HOSE TOWER RELIEF	ALUMINUM	PER ARCH	60"W X 48"H	57%	DRAINABLE, COLOR AND FINISH BY ARCHITECT, COORDINATE LOCATION WITH ARCHITECTURAL ELEVATION PLANS
L-2	RUSKIN / ELF6375DX	MAU INTAKE	ALUMINUM	PER ARCH	40"W X 56"H	57%	DRAINABLE, COLOR AND FINISH BY ARCHITECT, COORDINATE LOCATION WITH ARCHITECTURAL ELEVATION PLANS
L-3	RUSKIN / ELF6375DX	O2 TANK STORAGE INTAKE	ALUMINUM	PER ARCH	12"W X 12"H	57%	DRAINABLE, COLOR AND FINISH BY ARCHITECT, COORDINATE LOCATION WITH ARCHITECTURAL ELEVATION PLANS

### EXHAUST/INTAKE HOOD SCHEDULE

SYMBOL	MFR / MODEL	SERVICE	THROAT AREA (SQ. FT.)	CURB CAP SIZE	AIR FLOW (CFM)	PRESSURE DROP (IN. WG)	MATERIAL	REMARKS
EH-1	GREENHECK / FGR	EF-3 OUTLET	2.78	26" x 26"	2,425	<0.12	ALUMINUM	HIGH WIND CERTIFIED WITH 12-INCH TALL BASE, ALUMINUM INSECT SCREEN, ALUMINUM BIRDSCREEN, AND TIE-DOWN POINTS
EH-2	GREENHECK / FGR	EF-4 OUTLET	2.78	26" x 26"	2,425	<0.12	ALUMINUM	HIGH WIND CERTIFIED WITH 12-INCH TALL BASE, ALUMINUM INSECT SCREEN, ALUMINUM BIRDSCREEN, AND TIE-DOWN POINTS
EH-3	GREENHECK / FGR	EF-5 OUTLET	0.67	14" x 18"	375	<0.05	ALUMINUM	HIGH WIND CERTIFIED WITH 12-INCH TALL BASE, ALUMINUM INSECT SCREEN, ALUMINUM BIRDSCREEN, AND TIE-DOWN POINTS
OH-1	GREENHECK / FGI	AHU-1 OUTSIDE AIR INTAKE	18.75	36" x 96"	17,000	<0.12	ALUMINUM	HIGH WIND CERTIFIED WITH 12-INCH TALL BASE, ALUMINUM INSECT SCREEN, ALUMINUM BIRDSCREEN, AND TIE-DOWN POINTS



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HAINES COMMUNITY SAFETY AND  
TRAINING CENTER  
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SCHEDULES

**M004**

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**GRILLE - REGISTER - DIFFUSER SCHEDULE**

SYMBOL	MFGR / MODEL	TYPE	SERVICE	MATERIAL	FINISH	FACE SIZE (INCHES)	NECK SIZE (INCHES)	THROW	NC	REMARKS
SA	TITUS / TBDI-30	DIFFUSER	S/A	STEEL	WHITE	4'3 SLOT	10"	2-WAY	<30	1" SLOTS, INSULATED PLENUM, FRAME FOR T-BAR, PROVIDE NOTCHED FRAME WHERE DIFFUSER IS PERPENDICULAR TO LONG GRID DIMENSION
SB	TITUS / TBDI-30	DIFFUSER	S/A	STEEL	WHITE	4'2 SLOT	10"	2-WAY	<30	1" SLOTS, INSULATED PLENUM, FRAME FOR T-BAR, PROVIDE NOTCHED FRAME WHERE DIFFUSER IS PERPENDICULAR TO LONG GRID DIMENSION
SC	TITUS / TBDI-30	DIFFUSER	S/A	STEEL	WHITE	4'2 SLOT	6"	2-WAY	<30	1" SLOTS, INSULATED PLENUM, FRAME FOR T-BAR, PROVIDE NOTCHED FRAME WHERE DIFFUSER IS PERPENDICULAR TO LONG GRID DIMENSION
SD	TITUS / TMSA-AA	DIFFUSER	S/A	ALUMINUM	WHITE	24/24	8"	4-WAY	<30	FRAME FOR GWB OR T-BAR CEILING AS REQUIRED
SE	TITUS / TMSA-AA	DIFFUSER	S/A	ALUMINUM	WHITE	24/24	6"	4-WAY	<30	FRAME FOR GWB OR T-BAR CEILING AS REQUIRED
SF	TITUS / TMSA-AA	DIFFUSER	S/A	ALUMINUM	WHITE	12/12	6"	4-WAY	<30	WITH 24/24 MODULE FOR T-BAR CEILING LOCATIONS, FRAME FOR GWB OR T-BAR CEILING AS REQUIRED
SG	TITUS / TMSA-AA	DIFFUSER	S/A	ALUMINUM	WHITE	12/12	4"	4-WAY	<30	WITH 24/24 MODULE FOR T-BAR CEILING LOCATIONS, FRAME FOR GWB OR T-BAR CEILING AS REQUIRED
SH	TITUS / TMRA-AA	DIFFUSER	S/A	ALUMINUM	WHITE	22.5"Ø	10"	360°	<30	DUCT MOUNTED
SI	TITUS / TMRA-AA	DIFFUSER	S/A	ALUMINUM	WHITE	18"Ø	8"	360°	<30	DUCT MOUNTED
SJ	TITUS / TMRA-AA	DIFFUSER	S/A	ALUMINUM	WHITE	13.5"Ø	6"	360°	<30	DUCT MOUNTED
SK	TITUS / SG-SD	GRILLE	S/A	STEEL	WHITE	10/10	---	1-WAY	<30	NATIONAL INSTITUTE OF CORRECTIONS SUICIDE PREVENTION COMPLIANT, ALL WELDED CONSTRUCTION
SL	TITUS / 300FL	GRILLE	S/A	ALUMINUM	WHITE	42/30	42/30	2-WAY	<30	FRAME FOR SIDEWALL MOUNTING
TA	TITUS / 350FL	GRILLE	T/A	ALUMINUM	WHITE	48/42	48/42	---	<30	FRAME FOR SIDEWALL MOUNTING
TB	TITUS / 350FL	GRILLE	T/A	ALUMINUM	WHITE	24/12	24/12	---	<30	FRAME FOR SIDEWALL MOUNTING
TC	TITUS / 350FL	GRILLE	T/A	ALUMINUM	WHITE	14/14	14/14	---	<30	FRAME FOR SIDEWALL MOUNTING
TD	TITUS / 350FL	GRILLE	T/A	ALUMINUM	WHITE	30/16	30/16	---	<30	FRAME FOR SIDEWALL MOUNTING
RA	TITUS / 50F	GRILLE	R/A	ALUMINUM	WHITE	22/22	---	---	<30	WITH 24/24 MODULE FOR T-BAR CEILING LOCATIONS, FRAME FOR GWB OR T-BAR CEILING AS REQUIRED
RB	TITUS / 50F	GRILLE	R/A	ALUMINUM	WHITE	12/12	---	---	<30	WITH 24/24 MODULE FOR T-BAR CEILING LOCATIONS, FRAME FOR GWB OR T-BAR CEILING AS REQUIRED
EA	TITUS / 50F	GRILLE	E/A	ALUMINUM	WHITE	12/12	---	---	<30	WITH 24/24 MODULE FOR T-BAR CEILING LOCATIONS, FRAME FOR GWB OR T-BAR CEILING AS REQUIRED, SEE PLANS FOR REQUIRED BRANCH DUCTWORK CONNECTION SIZE
EB	TITUS / 50F	GRILLE	E/A	ALUMINUM	WHITE	8/8	---	---	<30	WITH 24/24 MODULE FOR T-BAR CEILING LOCATIONS, FRAME FOR GWB OR T-BAR CEILING AS REQUIRED, SEE PLANS FOR REQUIRED BRANCH DUCTWORK CONNECTION SIZE
EC	TITUS / SG-SD	GRILLE	E/A	STEEL	WHITE	10/10	---	---	<30	NATIONAL INSTITUTE OF CORRECTIONS SUICIDE PREVENTION COMPLIANT, ALL WELDED CONSTRUCTION
ED	TITUS / 350FL	GRILLE	E/A	ALUMINUM	WHITE	10/6	10/6	---	<30	FRAME FOR SIDEWALL OR DUCTWORK MOUNTING AS REQUIRED
EE	TITUS / 350FL	GRILLE	E/A	ALUMINUM	WHITE	12/12	12/12	---	<30	FRAME FOR SIDEWALL MOUNTING

**AIR CONDITIONING UNIT SCHEDULE**

SYMBOL	MFGR / MODEL	SERVICE	SENSIBLE COOLING CAPACITY (MBH)	AMBIENT TEMP.	AIRFLOW (CFM)	HUMIDIFIER CAPACITY (LBS/HR)	ELECTRICAL DATA				REMARKS
							FLA	MCA	MFS	VOLTS/PHASE	
AC-1	COMPU-AIRE / CME-234	EVAPORATOR	23.7	---	1,250	5.0	13.8	18	20	460/3	WALL HUNG UNIT WITH CONDENSATE PUMP POWERED BY AC-1, FAN, EC MOTOR, FAN SPEED CONTROL, COMPRESSOR, CONDENSATE DRAIN, CONDENSATE OVERFLOW SENSOR, REMOVABLE FILTERS, REMOTE MICROPROCESSOR CONTROL PANEL, DISPOSABLE CANISTER TYPE HUMIDIFIER, R-407C
AC-2	COMPU-AIRE / CME-534	EVAPORATOR	49.5	---	1,760	5.0	11.14	14	15	460/3	WALL HUNG UNIT WITH CONDENSATE PUMP POWERED BY AC-2, FAN, EC MOTOR, FAN SPEED CONTROL, COMPRESSOR, CONDENSATE DRAIN, CONDENSATE OVERFLOW SENSOR, REMOVABLE FILTERS, REMOTE MICROPROCESSOR CONTROL PANEL, R-407C
AC-3	COMPU-AIRE / CME-234	EVAPORATOR	23.7	---	1,250	N/A	13.8	18	20	460/3	WALL HUNG UNIT WITH CONDENSATE PUMP POWERED BY AC-3, FAN, EC MOTOR, FAN SPEED CONTROL, COMPRESSOR, CONDENSATE DRAIN, CONDENSATE OVERFLOW SENSOR, REMOVABLE FILTERS, REMOTE MICROPROCESSOR CONTROL PANEL, R-407C
CN-1	COMPU-AIRE / MKA-234	CONDENSER	23.7	95°F	1,600	N/A	8.65	11	15	460/3	WITH SINGLE FAN, UNIT MOUNTED CONTROL PANEL, FACTORY PROVIDED OR FIELD FABRICATED PLATFORM FOR MOUNTING CONDENSER ON INTERIOR WALL OF APPARATUS BAY
CN-2	COMPU-AIRE / MKA-534	CONDENSER	49.5	95°F	3,250	N/A	15.6	20	30	460/3	WITH SINGLE FAN, UNIT MOUNTED CONTROL PANEL, FACTORY PROVIDED OR FIELD FABRICATED PLATFORM FOR MOUNTING CONDENSER ON INTERIOR WALL OF APPARATUS BAY
CN-3	COMPU-AIRE / MKA-234	CONDENSER	60.0	95°F	1,600	N/A	8.65	11	15	460/3	WITH SINGLE FAN, UNIT MOUNTED CONTROL PANEL, FACTORY PROVIDED OR FIELD FABRICATED PLATFORM FOR MOUNTING CONDENSER ON INTERIOR WALL OF APPARATUS BAY

**BALANCE VALVE SCHEDULE**

SIZE	FLOW RANGE (GPM)	REMARKS
1/2"	< 1.5	SEE NOTES
3/4"	1.5 - 3.0	SEE NOTES
1"	3.0 - 6.0	SEE NOTES
1-1/4"	6.0 - 11	SEE NOTES
1-1/2"	11 - 17	SEE NOTES
2"	17 - 37	SEE NOTES
2-1/2"	37 - 66	SEE NOTES
3"	66 - 95	SEE NOTES
4"	95 - 180	SEE NOTES
5"	180 - 425	SEE NOTES
6"	425 - 700	SEE NOTES
8"	700 - 925	SEE NOTES

NOTES: VALVE SIZE BASED ON B&G CIRCUIT SETTER, AND PRESSURE DROP OF NOT LESS THAN 1" ACHIEVABLE FOR BALANCING AND NOT IN EXCESS OF 3" WIDE OPEN. SIZES FOR ALTERNATE MANUFACTURERS AND/OR VALVES LARGER THAN INDICATED ON THE SCHEDULE SHALL BE DETERMINED BY THE CONTRACTOR. PRESSURE INDEPENDENT FLOW CONTROL VALVES MAY BE USED WHEN APPROVED BY THE BUILDING OWNER, IN WHICH CASE THE FLOW CONTROL VALVE NEEDS TO BE ADEQUATELY SIZED AND SELECTED BY THE CONTRACTOR AND CORRESPONDING MANUFACTURER.

**GENERAL DESIGN NOTES**

- THE MECHANICAL PLANS ARE DIAGRAMMATIC AND PROVIDE GENERAL ARRANGEMENT OF SYSTEMS. IT IS EXPECTED THAT THE CONTRACTOR WILL FIELD VERIFY ROUTING OF SYSTEMS TO PREVENT CONFLICT WITH OTHER TRADES. WHERE SUBSTANTIAL DEVIATIONS FROM THE DESIGN LAYOUT ARE NECESSARY BY FIELD CONDITIONS, THE ENGINEER SHALL BE CONSULTED.
- THE CONTRACTOR SHALL ADHERE TO ALL PORTIONS OF THE PROJECT SOLICITATION DOCUMENTS AND PROJECT SPECIFICATIONS.
- SCHEDULED EQUIPMENT MANUFACTURERS, MODELS, AND CAPACITIES ARE INTENDED TO INDICATE A LEVEL OF QUALITY AND MAY VARY DURING SUBMITTAL PROCESS. ANY VARIATIONS FROM SCHEDULED EQUIPMENT MUST BE ACCEPTABLE AND APPROVED BY THE OWNER'S PROJECT MANAGER AND MAINTENANCE PERSONNEL.
- MECHANICAL EQUIPMENT SHALL BE INSTALLED TO ALLOW ADEQUATE ACCESS AS REQUIRED BY THE MANUFACTURER'S REQUIREMENTS FOR MAINTENANCE AND SERVICE.
- CONCEALED MECHANICAL EQUIPMENT REQUIRING MAINTENANCE SHALL BE MADE ACCESSIBLE THROUGH REMOVABLE CEILING TILES, ACCESS DOORS, OR PANELS AS APPLICABLE.
- PROVIDE 50/50 INHIBITED PROPYLENE GLYCOL / WATER MIX HEATING SOLUTION, DOWFROST HD OR EQUAL, FACTORY PRE-MIXED WITH DE-IONIZED OR DISTILLED WATER. PROVIDE SUFFICIENT QUANTITY OF GLYCOL MIXTURE TO PRESSURIZE THE HIGHEST POINT OF THE HYDRONIC SYSTEM TO MINIMUM OF 5 PSIG.
- AIR VENTS WITH ISOLATION VALVES SHALL BE PROVIDED AT ALL HEATING PIPING SYSTEM HIGH POINTS. DRAINS WITH ISOLATION VALVES SHALL BE PROVIDED AT ALL SYSTEM LOW POINTS.
- ALL DUCTWORK SHALL BE CONSTRUCTED TO NOT LESS THAN SMACNA CLASSIFICATION +/- 1"WG PRESSURE CLASSIFICATION AS APPLICABLE TO SYSTEM, EXCEPT AS FOLLOWS:  
AHU DUCTWORK: +/- 3"
- INSULATE MECHANICAL EQUIPMENT/SYSTEMS IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- FIRESTOP ALL PIPING PENETRATIONS THROUGH RATED WALLS, FLOORS, OR SHAFTS. COORDINATE WITH ARCHITECT FOR RATED ASSEMBLY TYPES AND LOCATIONS.
- ALL EQUIPMENT REQUIRING MAINTENANCE SHALL BE PROVIDED WITH ISOLATION VALVES AND UNIONS OR FLANGES.
- DRAIN VALVES WITH HOSE CONNECTIONS SHALL BE 3/4" UNLESS OTHERWISE NOTED.
- THE CONTROL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL WIRING AND CONDUIT BETWEEN MECHANICAL EQUIPMENT AND THEIR ASSOCIATED CONTROL PANELS OR CONTROLLER.
- MECHANICAL SYSTEMS MAY CONFLICT WITH ELECTRICAL CONDUITS, OUTLETS, MINOR STRUCTURAL MEMBERS, AND OTHER DESIGN CONDITIONS. CONTRACTOR SHALL BECOME FAMILIAR WITH PROJECT CONDITIONS AND COORDINATE WITH THE RESPECTIVE DISCIPLINE AS REQUIRED TO WORK THROUGH POTENTIAL AREAS OF CONFLICTS.
- ALL DOMESTIC WATER, HYDRONIC, AND VENTILATION RATES SHALL BE BALANCED TO WITHIN +/-10% OF DESIGN REQUIREMENTS.
- SEISMICALLY RESTRAIN MECHANICAL EQUIPMENT/SYSTEMS IN ACCORDANCE WITH PROJECT SPECIFICATIONS.



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HAINES, ALASKA

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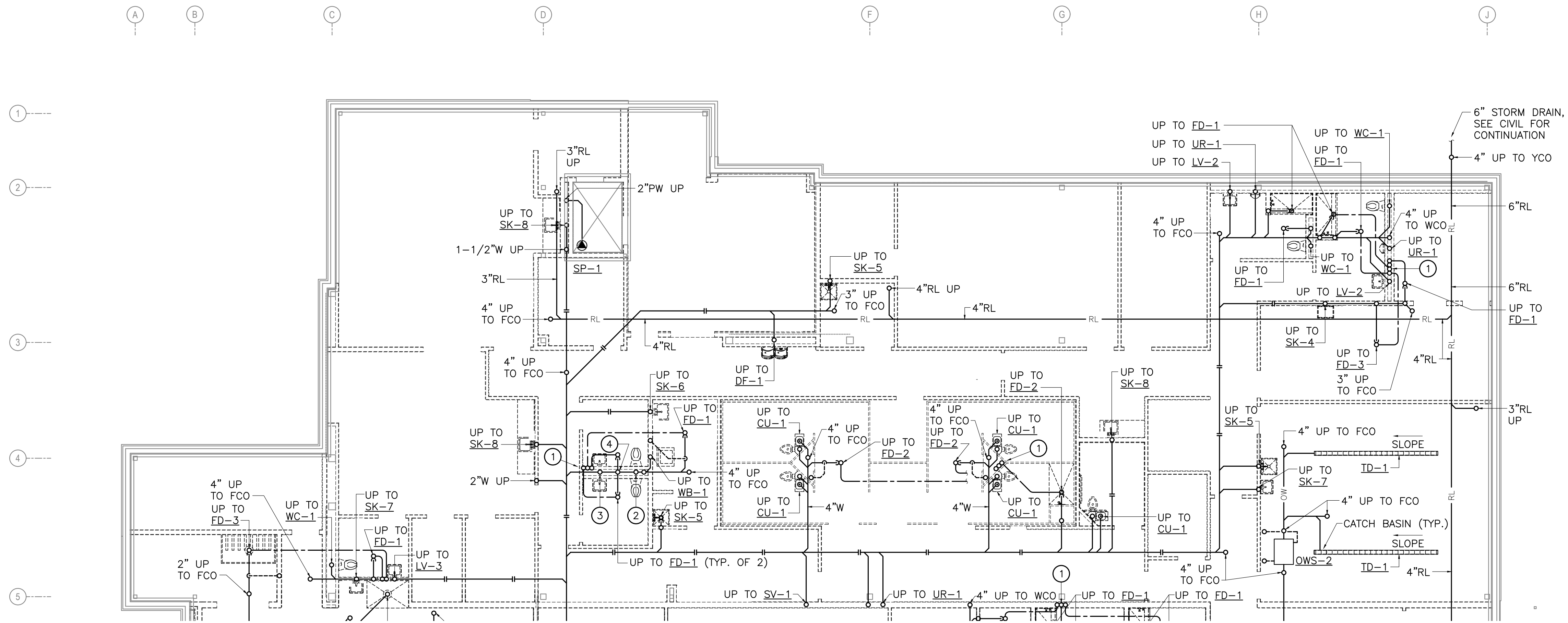
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SCHEDULES

**M005**

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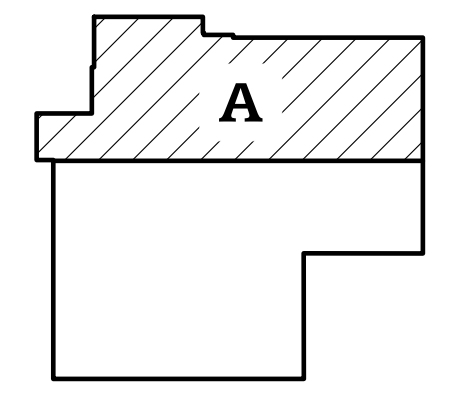
**1 UNDERFLOOR PLUMBING PLAN - AREA A**  
M101 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

1. BRANCH PIPING TO INDIVIDUAL PLUMBING FIXTURES SHALL EQUAL THE SIZE REQUIRED BY THE PLUMBING FIXTURES SCHEDULE UNLESS OTHERWISE INDICATED.
2. PROVIDE CLEANOUTS ON ALL INDIVIDUAL SINK, LAVATORY, WASHER BOX, AND DRINKING FOUNTAIN RISERS.
3. MINIMUM WASTE PIPE SIZE UNDER SLAB SHALL BE 2". PLUMBING FIXTURES WITH A 1-1/2" OR SMALLER WASTE CONNECTION SIZE WHICH DO NOT CONNECT INTO A 2" OR LARGER WASTE PIPE ABOVE SLAB SHALL TRANSITION TO A 2" WASTE PIPE ABOVE SLAB. IF A RISER CLEANOUT IS REQUIRED, CLEANOUT SHALL BE MINIMUM OF 2" IN SIZE.
4. SLOPE ALL WASTE PIPING 4" AND LARGER NOT LESS THAN 1/8" PER FOOT. SLOPE ALL WASTE PIPING LESS THAN 4" NOT LESS THAN 1/4" PER FOOT.
5. DO NOT ROUTE ANY PIPING IN EXTERIOR WALLS.
6. SLEEVE PIPING THROUGH OR BENEATH FOUNDATION WALLS. COORDINATE FOOTING LOCATIONS WITH STRUCTURAL.
7. COORDINATE EXACT LOCATIONS OF ALL FLOOR DRAINS, FLOOR CLEANOUTS, FLOOR SINKS, AND RISERS WITH ARCHITECTURAL, FURNISHINGS, AND EQUIPMENT AS REQUIRED TO AVOID CONFLICTS.
8. SLOPE RAINLEADER PIPING AT 1/8" PER FOOT.

**KEY NOTES**

- ① 1/2"CW TO TRAP PRIMER CONNECTION.
- ② 4"W UP TO BACK-TO-BACK WATER CLOSETS.
- ③ 2"W UP TO BACK-TO-BACK LAVATORIES.
- ④ 2"W AND 1-1/2"V SERVING BACK-TO-BACK FLOOR DRAINS.



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HAINES, ALASKA

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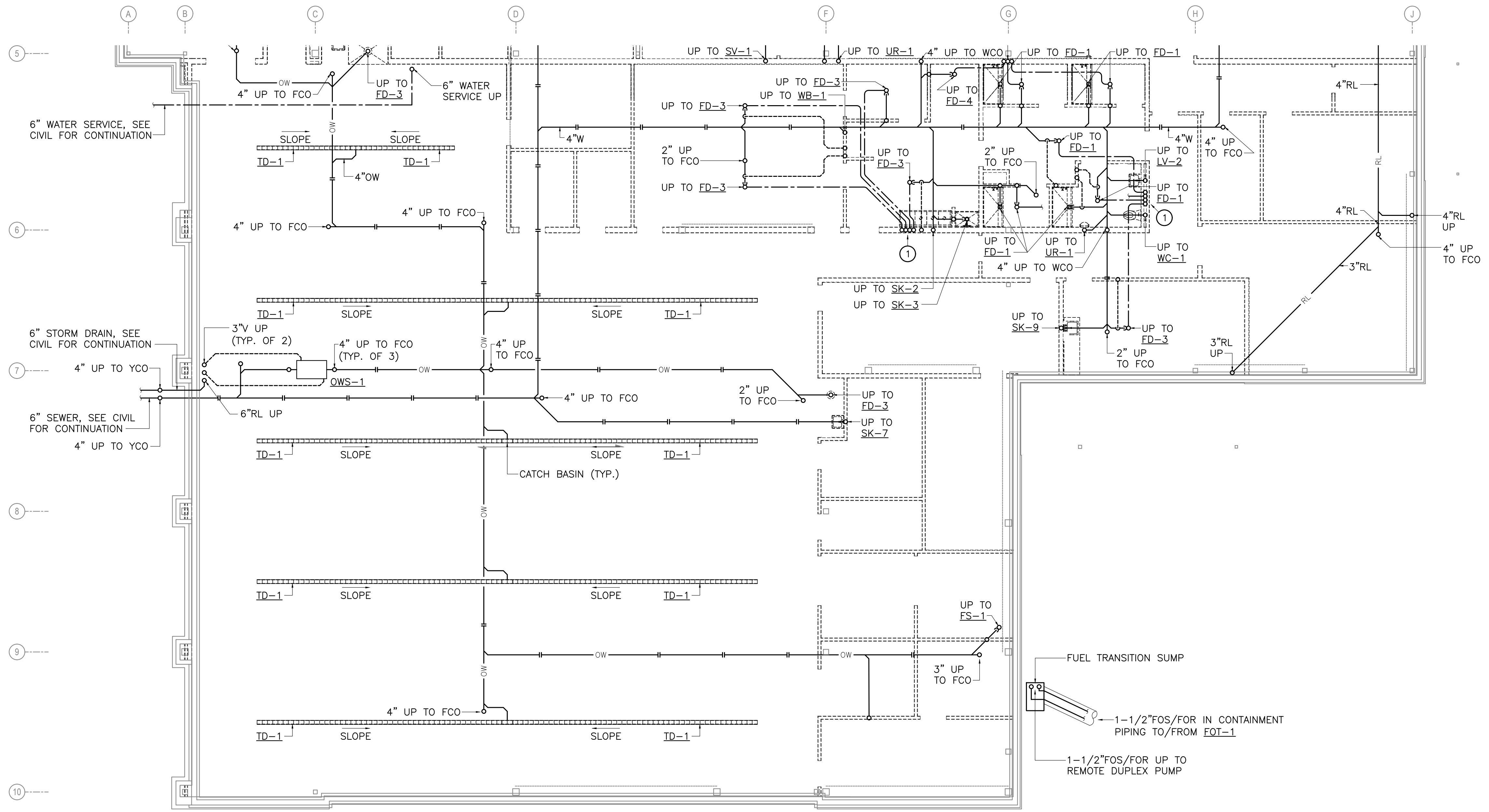
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UNDERFLOOR PLUMBING PLAN  
AREA A  
**M101**

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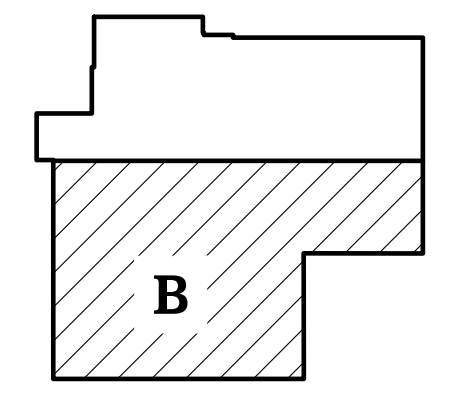
**1 UNDERFLOOR PLUMBING PLAN - AREA B**  
M102 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

- BRANCH PIPING TO INDIVIDUAL PLUMBING FIXTURES SHALL EQUAL THE SIZE REQUIRED BY THE PLUMBING FIXTURES SCHEDULE UNLESS OTHERWISE INDICATED.
- PROVIDE CLEANOUTS ON ALL INDIVIDUAL SINK, LAVATORY, WASHER BOX, AND DRINKING FOUNTAIN RISERS.
- MINIMUM WASTE PIPE SIZE UNDER SLAB SHALL BE 2". PLUMBING FIXTURES WITH A 1-1/2" OR SMALLER WASTE CONNECTION SIZE WHICH DO NOT CONNECT INTO A 2" OR LARGER WASTE PIPE ABOVE SLAB SHALL TRANSITION TO A 2" WASTE PIPE ABOVE SLAB. IF A RISER CLEANOUT IS REQUIRED, CLEANOUT SHALL BE MINIMUM OF 2" IN SIZE.
- SLOPE ALL WASTE PIPING 4" AND LARGER NOT LESS THAN 1/8" PER FOOT. SLOPE ALL WASTE PIPING LESS THAN 4" NOT LESS THAN 1/4" PER FOOT.
- DO NOT ROUTE ANY PIPING IN EXTERIOR WALLS.

**KEY NOTES**

- 1/2"CW TO TRAP PRIMER CONNECTION.



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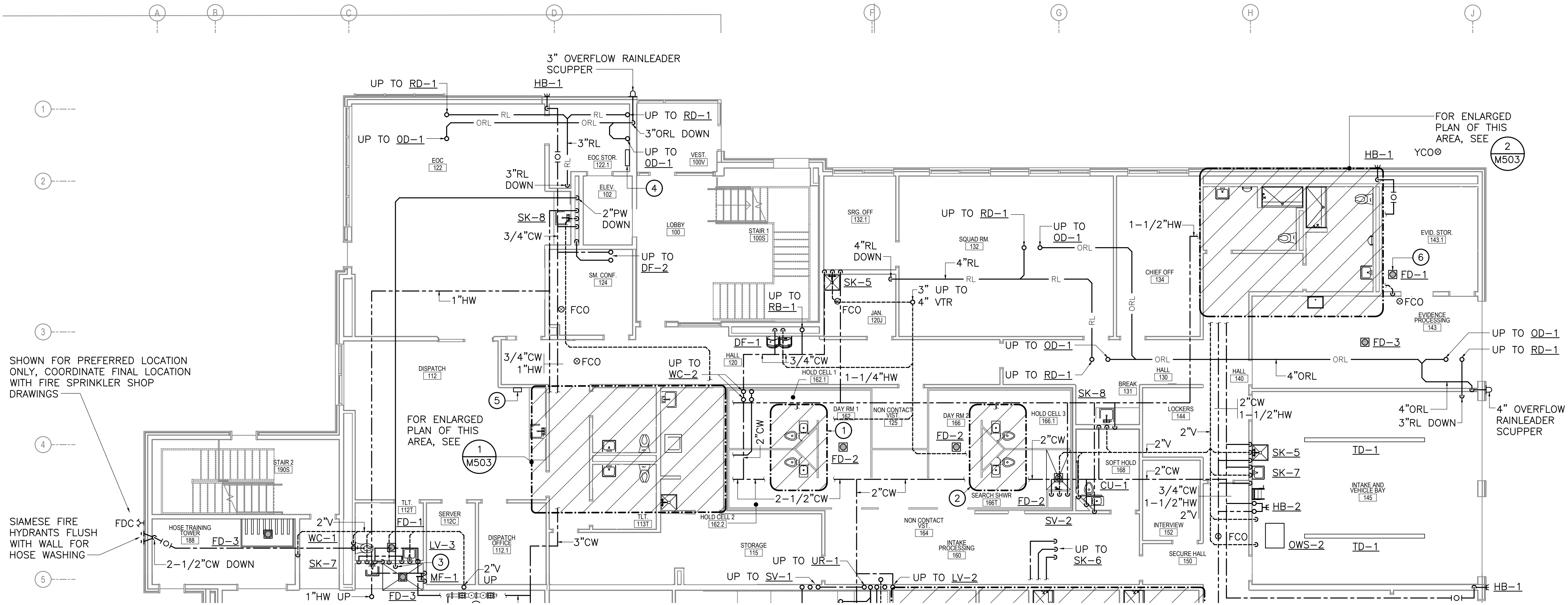
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UNDERFLOOR PLUMBING PLAN AREA B  
**M102**  
BETTISWORTH NORTH ARCHITECTS & PLANNERS

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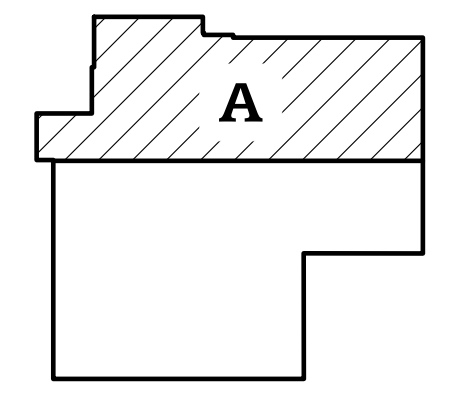
**1** FIRST FLOOR PLUMBING PLAN - AREA A  
M103 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

- BRANCH PIPING TO INDIVIDUAL PLUMBING FIXTURES SHALL EQUAL THE SIZE REQUIRED BY THE PLUMBING FIXTURES SCHEDULE UNLESS OTHERWISE INDICATED.
- PROVIDE CLEANOUTS ON ALL INDIVIDUAL SINK, LAVATORY, WASHER BOX, AND DRINKING FOUNTAIN RISERS.
- DO NOT ROUTE ANY PIPING IN EXTERIOR WALLS.
- COORDINATE EXACT LOCATIONS OF ALL FLOOR DRAINS, FLOOR CLEANOUTS, FLOOR SINKS, AND RISERS WITH ARCHITECTURAL, FURNISHINGS, AND EQUIPMENT AS REQUIRED TO AVOID CONFLICTS.
- SLOPE RAINLEADER PIPING AT 1/8" PER FOOT.

**KEY NOTES**

- FOR ENLARGED PLAN OF THIS AREA, SEE 3/M503.
- FOR ENLARGED PLAN OF THIS AREA, SEE 4/M503.
- ROUTE 2"PW EXPOSED DOWN WALL AND INDIRECT INTO FD-3.
- REMOTE ALARM FOR SP-1.
- CONTROL PANEL FOR SP-1.
- INSTALL FLOOR DRAIN, ED-1, BENEATH DRYING CABINET, ENSURE FLOOR DRAIN IS ACCESSIBLE THROUGH THE DRYING CABINET DRAIN ACCESS DOOR. COORDINATE FLOOR DRAIN LOCATION WITH DRYING CABINET FLOOR SUPPORTS. PROVIDE INDIRECT CONNECTION BETWEEN 1/2" BARBED FITTING AT DRYING CABINET AND FLOOR DRAIN VIA FLEXIBLE DRAIN HOSE.



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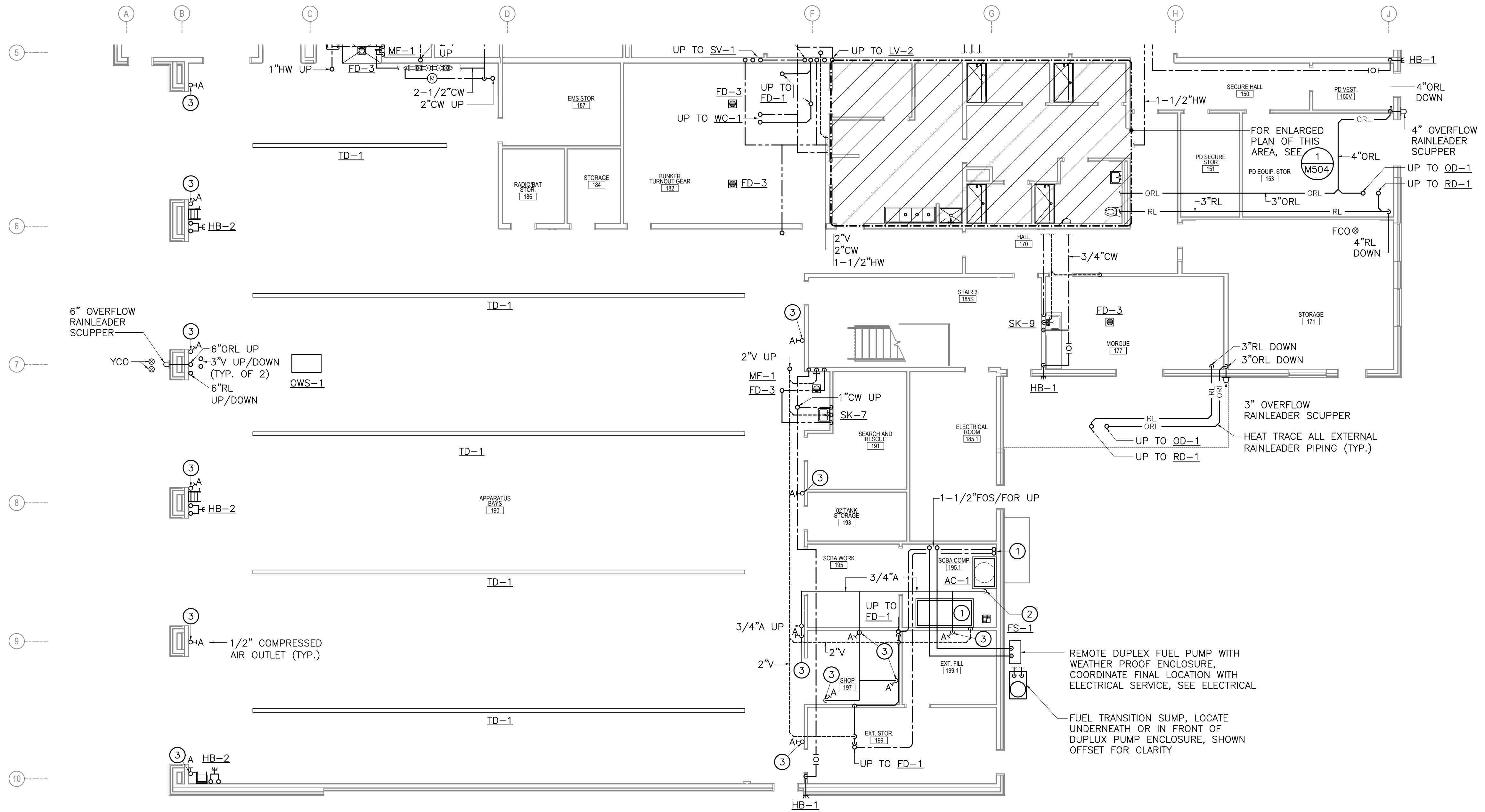
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FIRST FLOOR PLUMBING PLAN AREA A  
**M103**

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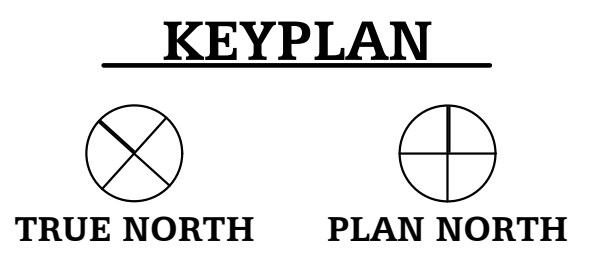
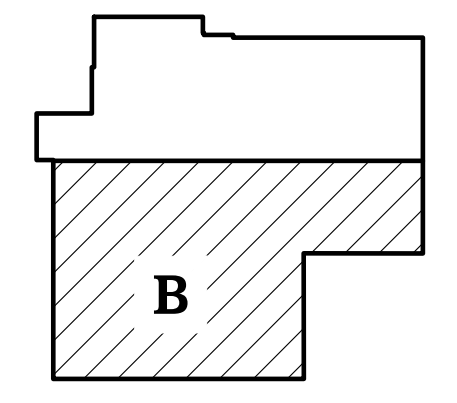
**1** FIRST FLOOR PLUMBING PLAN - AREA B  
M104 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

1. BRANCH PIPING TO INDIVIDUAL PLUMBING FIXTURES SHALL EQUAL THE SIZE REQUIRED BY THE PLUMBING FIXTURES SCHEDULE UNLESS OTHERWISE INDICATED.
2. PROVIDE CLEANOUTS ON ALL INDIVIDUAL SINK, LAVATORY, WASHER BOX, AND DRINKING FOUNTAIN RISERS.
3. DO NOT ROUTE ANY PIPING IN EXTERIOR WALLS.
4. COORDINATE EXACT LOCATIONS OF ALL FLOOR DRAINS, FLOOR CLEANOUTS, FLOOR SINKS, AND RISERS WITH ARCHITECTURAL, FURNISHINGS, AND EQUIPMENT AS REQUIRED TO AVOID CONFLICTS.
5. SLOPE RAINLEADER PIPING AT 1/8" PER FOOT.

**KEY NOTES**

- ① OWNER-PROVIDED SCBA COMPRESSOR.
- ② 3/4"A TO AC-1. PROVIDE 3/4" PIGGYBACK FILTER/REGULATOR WITH MANUAL DRAIN DOWNSTREAM OF AC-1 CONNECTION, INGERSOLL RAND MODEL P39354-100 OR SIMILAR. INDIRECT DRAIN CONNECTIONS AT FS-1 AS REQUIRED. INSTALL COMPRESSOR AND ACCESSORIES PER MANUFACTURER'S INSTRUCTIONS.
- ③ 1/2" COMPRESSED AIR TO WALL MOUNTED OUTLET.



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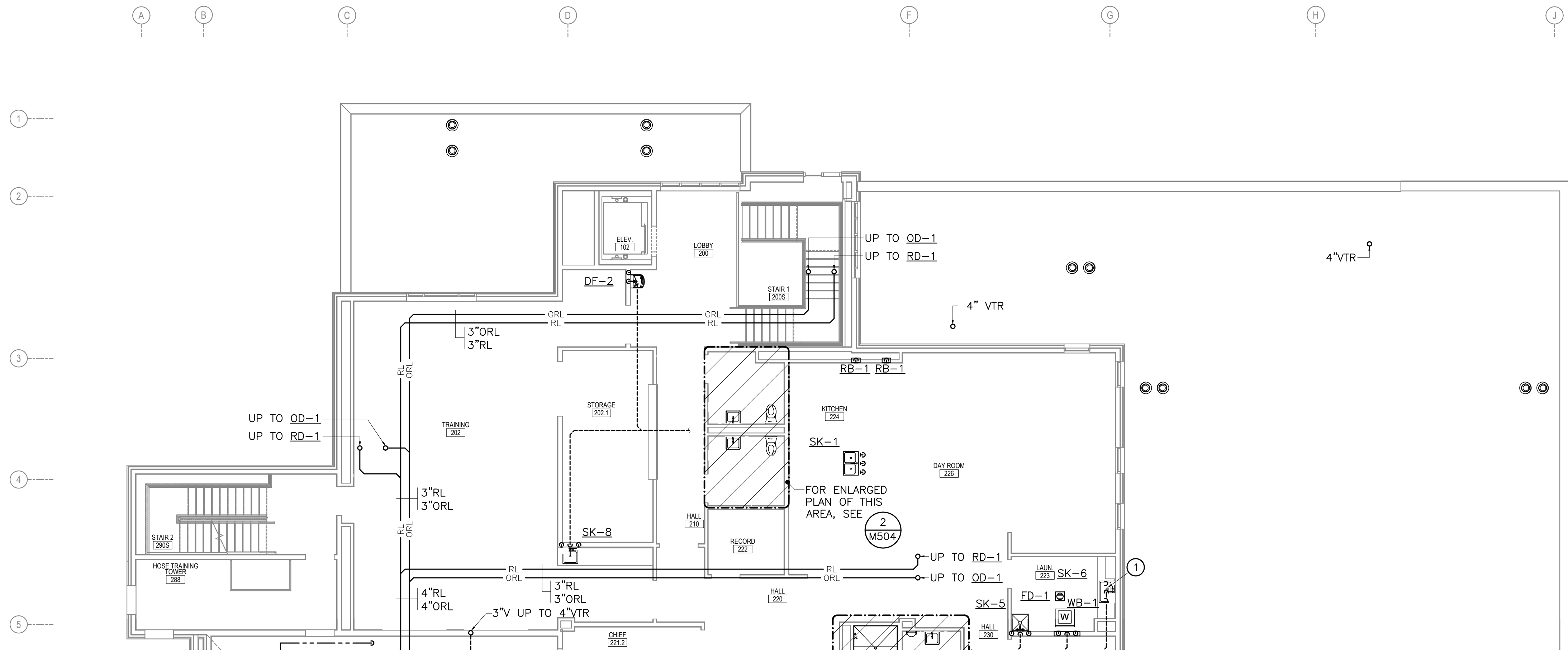
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FIRST FLOOR  
PLUMBING PLAN  
AREA B  
**M104**

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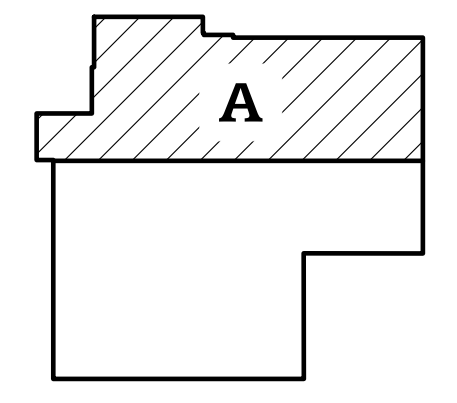
**1 SECOND FLOOR PLUMBING PLAN - AREA A**  
 M105 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

1. BRANCH PIPING TO INDIVIDUAL PLUMBING FIXTURES SHALL EQUAL THE SIZE REQUIRED BY THE PLUMBING FIXTURES SCHEDULE UNLESS OTHERWISE INDICATED.
2. DO NOT ROUTE ANY PIPING IN EXTERIOR WALLS.
3. COORDINATE EXACT LOCATIONS OF ALL FLOOR DRAINS, FLOOR CLEANOUTS, FLOOR SINKS, AND RISERS WITH ARCHITECTURAL, FURNISHINGS, AND EQUIPMENT AS REQUIRED TO AVOID CONFLICTS.
4. SLOPE RAINLEADER PIPING AT 1/8" PER FOOT.

**KEY NOTES**

1. ROUTE HW, CW, AND WASTE BRANCH PIPING SERVING SK-6 DOWN THROUGH CABINETRY TO FIRST FLOOR MAINS BELOW. ROUTE VENT BRANCH PIPE HORIZONTALLY THROUGH CABINETRY TO NEARBY WALL PARTITION FOR CONNECTION TO VENT PIPE SYSTEM. DO NOT ROUTE ANY PLUMBING PIPING SERVING THIS SINK WITHIN AN EXTERIOR WALL ASSEMBLY. COORDINATE WITH CABINETRY.



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 NOT FOR  
 CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
 HAINES, ALASKA  
 65% PRICING SET

CONSULTANT:  
  
**HZA**  
 ENGINEERING SOLUTIONS  
 HZA Engineering, LLC  
 113 W. Northern Lights Blvd., Suite 240  
 Anchorage, Alaska 99503  
 Tel. (907) 562-1012 Fax (907) 562-1013  
 AK Corporation #: AKCL881

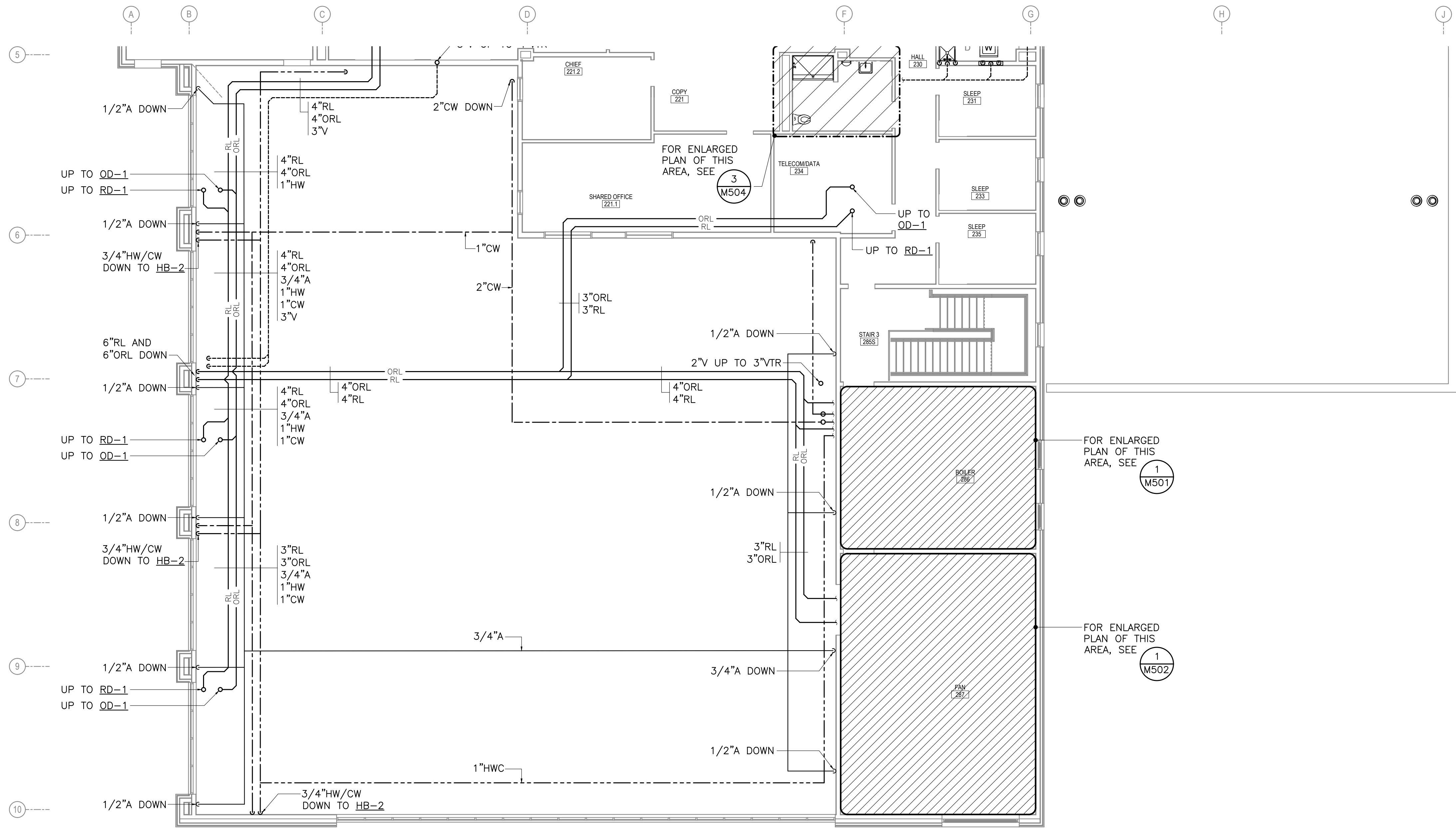
PROJECT NO: 2022.035.0  
 DATE: 2022-08-25  
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SECOND FLOOR  
 PLUMBING PLAN  
 AREA A  
**M105**

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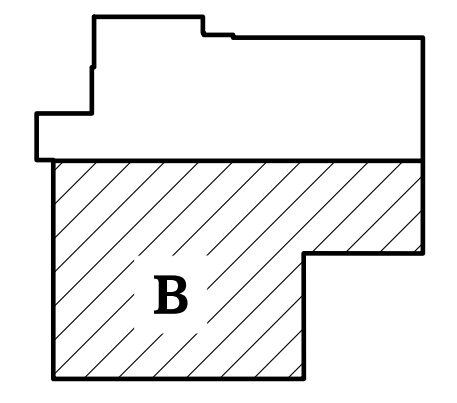
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**1** SECOND FLOOR PLUMBING PLAN - AREA B  
M106 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

1. BRANCH PIPING TO INDIVIDUAL PLUMBING FIXTURES SHALL EQUAL THE SIZE REQUIRED BY THE PLUMBING FIXTURES SCHEDULE UNLESS OTHERWISE INDICATED.
2. DO NOT ROUTE ANY PIPING IN EXTERIOR WALLS.
3. COORDINATE EXACT LOCATIONS OF ALL FLOOR DRAINS, FLOOR CLEANOUTS, FLOOR SINKS, AND RISERS WITH ARCHITECTURAL, FURNISHINGS, AND EQUIPMENT AS REQUIRED TO AVOID CONFLICTS.
4. SLOPE RAINLEADER PIPING AT 1/8" PER FOOT.



**KEYPLAN**

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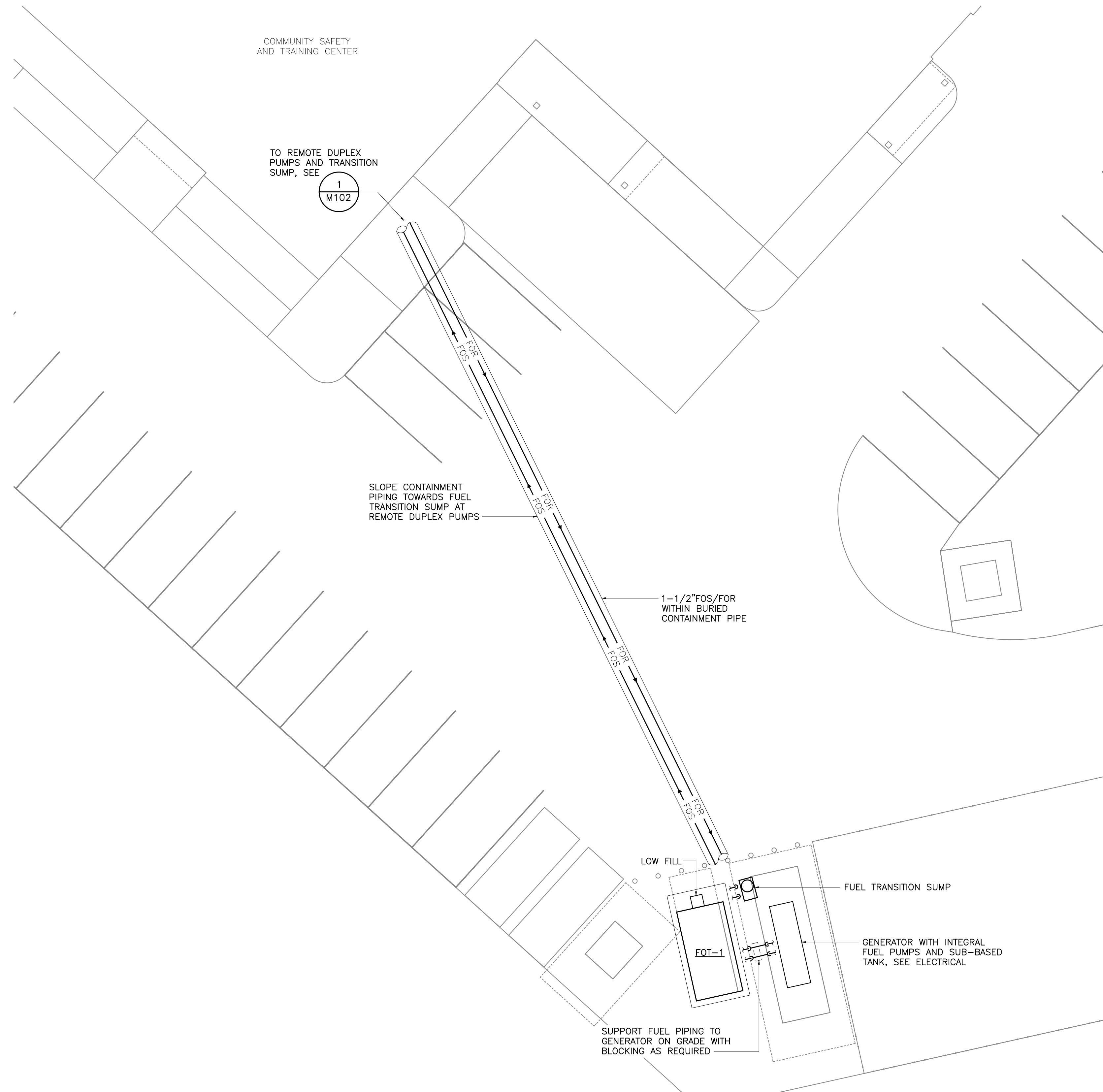
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SECOND FLOOR PLUMBING PLAN AREA B  
**M106**

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1" ACTUAL



**1** MECHANICAL SITE PLAN  
 M107 SCALE: 3/32" = 1'-0"

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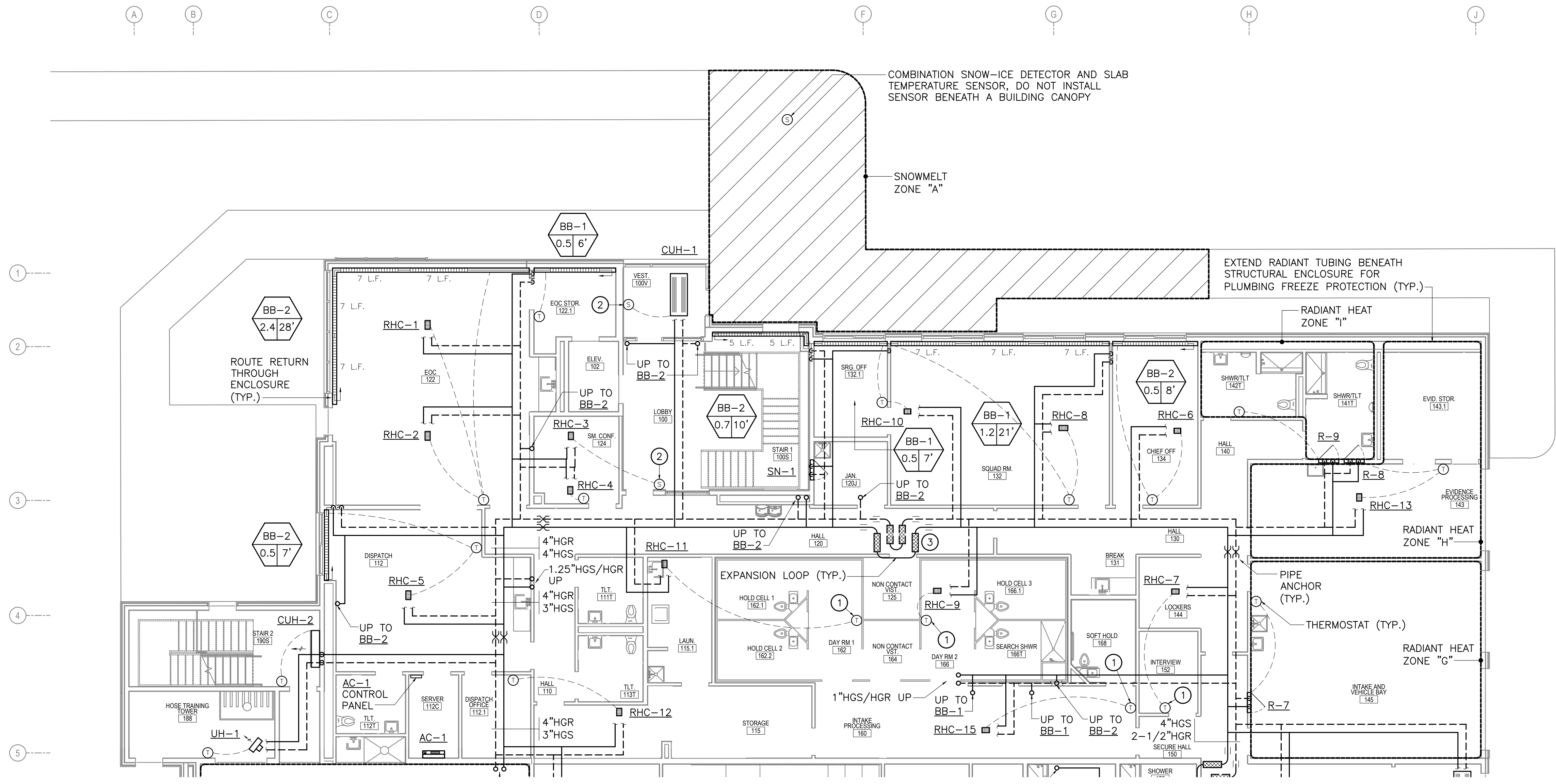
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MECHANICAL SITE PLAN

**M107**

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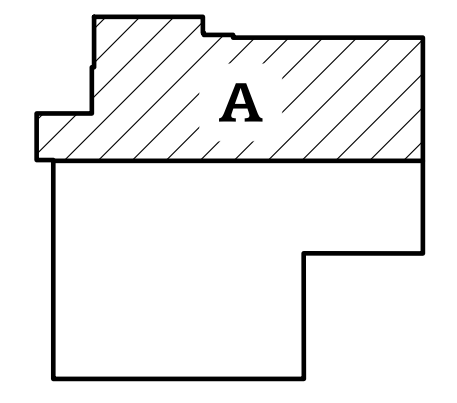
**1** FIRST FLOOR HEATING PLAN - AREA A  
M201 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

- BRANCH PIPING TO INDIVIDUAL TERMINAL HEATING UNITS SHALL BE 3/4" UNLESS OTHERWISE INDICATED.
- DO NOT ROUTE ANY PIPING IN EXTERIOR WALL ASSEMBLIES.
- INSTALL RADIANT MANIFOLDS SUCH THAT MANIFOLD CONTROL VALVE OR ANY OTHER ELECTRONIC DEVICE ASSOCIATED WITH THE MANIFOLD IS NO LESS THAN 18" AFF.
- PROVIDE ACCESS DOORS OF APPROPRIATE SIZE AS REQUIRED TO ALL EQUIPMENT AND VALVES LOCATED ABOVE HARD LID CEILINGS OR WITHIN WALLS REQUIRING PERMANENT ACCESS.
- INSTALL THERMOSTATS/SENSORS ON WALLS AT APPROXIMATE LOCATIONS INDICATED AFTER INSTALLATION OF FURNISHINGS. COORDINATE FINAL LOCATION AS REQUIRED SO THAT FURNISHINGS DO NOT COVER OR BLOCK ACCESS TO THERMOSTATS/SENSORS. DO NOT INSTALL ANY THERMOSTATS/SENSORS BEHIND DOORS.
- ROUTE PIPING IN CEILING SPACE AS HIGH AS POSSIBLE AND THROUGH STRUCTURAL MEMBERS WHERE OPEN WEB TRUSSES ARE AVAILABLE, COORDINATE PIPE ROUTING WITH DUCTWORK AND OTHER TRADES AS REQUIRED.
- PROVIDE INSULATION BENEATH PORTIONS OF SLAB WITH RADIANT TUBING, COORDINATE WITH STRUCTURAL AND ARCHITECTURAL AS REQUIRED.
- BRANCH PIPING TO INDIVIDUAL REPEAT COILS SHALL EQUAL THE MINIMUM BRANCH PIPE SIZE REQUIRED BY THE VAV BOX SCHEDULE.

**KEY NOTES**

- PROVIDE A PERFORATED STEEL, VANDAL RESISTANT, SECURITY STYLE THERMOSTAT GUARD INTENDED FOR USE IN PENAL APPLICATIONS.
- PROVIDE DDC PROGRAMMABLE TEMPERATURE SENSOR IN LIEU OF MANUALLY ADJUSTED THERMOSTAT.
- PRE-MANUFACTURED EXPANSION LOOP WITH MINIMUM ±1.5" EXPANSION COMPENSATION, INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE WITH PIPE GUIDES IF REQUIRED BY MANUFACTURER'S INSTALLATION INSTRUCTIONS.



**KEYPLAN**  
TRUE NORTH PLAN NORTH

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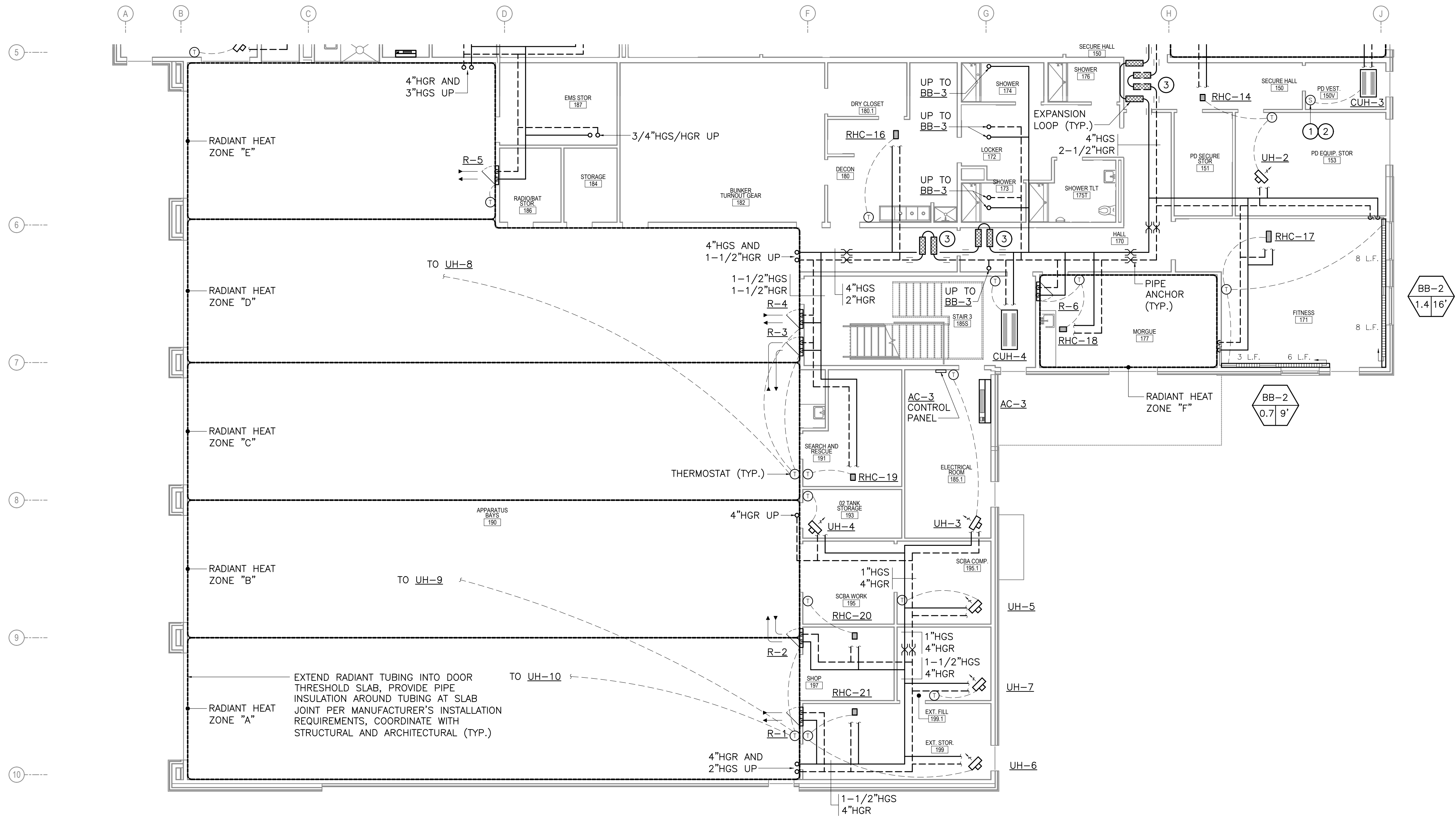
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FIRST FLOOR HEATING PLAN AREA A  
**M201**

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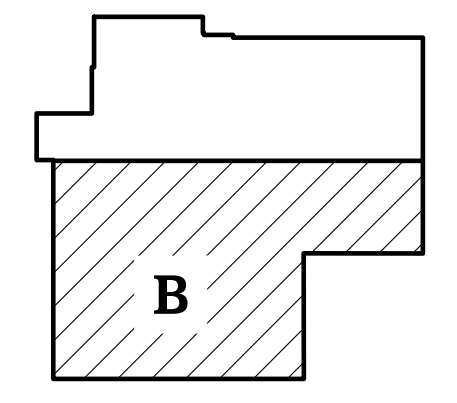
**1** FIRST FLOOR HEATING PLAN - AREA B  
M202 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

- BRANCH PIPING TO INDIVIDUAL TERMINAL HEATING UNITS SHALL BE 3/4" UNLESS OTHERWISE INDICATED.
- DO NOT ROUTE ANY PIPING IN EXTERIOR WALL ASSEMBLIES.
- INSTALL RADIANT MANIFOLDS SUCH THAT MANIFOLD CONTROL VALVE OR ANY OTHER ELECTRONIC DEVICE ASSOCIATED WITH THE MANIFOLD IS NO LESS THAN 18" AFF.
- PROVIDE ACCESS DOORS OF APPROPRIATE SIZE AS REQUIRED TO ALL EQUIPMENT AND VALVES LOCATED ABOVE HARD LID CEILINGS OR WITHIN WALLS REQUIRING PERMANENT ACCESS.
- INSTALL THERMOSTATS/SENSORS ON WALLS AT APPROXIMATE LOCATIONS INDICATED AFTER INSTALLATION OF FURNISHINGS. COORDINATE FINAL LOCATION AS REQUIRED SO THAT FURNISHINGS DO NOT COVER OR BLOCK ACCESS TO THERMOSTATS/SENSORS. DO NOT INSTALL ANY THERMOSTATS/SENSORS BEHIND DOORS.
- ROUTE PIPING IN CEILING SPACE AS HIGH AS POSSIBLE AND THROUGH STRUCTURAL MEMBERS WHERE OPEN WEB TRUSSES ARE AVAILABLE, COORDINATE PIPE ROUTING WITH DUCTWORK AND OTHER TRADES AS REQUIRED.
- PROVIDE INSULATION BENEATH PORTIONS OF SLAB WITH RADIANT TUBING, COORDINATE WITH STRUCTURAL AND ARCHITECTURAL AS REQUIRED.
- BRANCH PIPING TO INDIVIDUAL REHEAT COILS SHALL EQUAL THE MINIMUM BRANCH PIPE SIZE REQUIRED BY THE VAV BOX SCHEDULE.

**KEY NOTES**

- PROVIDE A PERFORATED STEEL, VANDAL RESISTANT, SECURITY STYLE THERMOSTAT GUARD INTENDED FOR USE IN PENAL APPLICATIONS.
- PROVIDE DDC PROGRAMMABLE TEMPERATURE SENSOR IN LIEU OF MANUALLY ADJUSTED THERMOSTAT.
- PRE-MANUFACTURED EXPANSION LOOP WITH MINIMUM ±1.5" EXPANSION COMPENSATION, INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE WITH PIPE GUIDES IF REQUIRED BY MANUFACTURER'S INSTALLATION INSTRUCTIONS.



**KEYPLAN**



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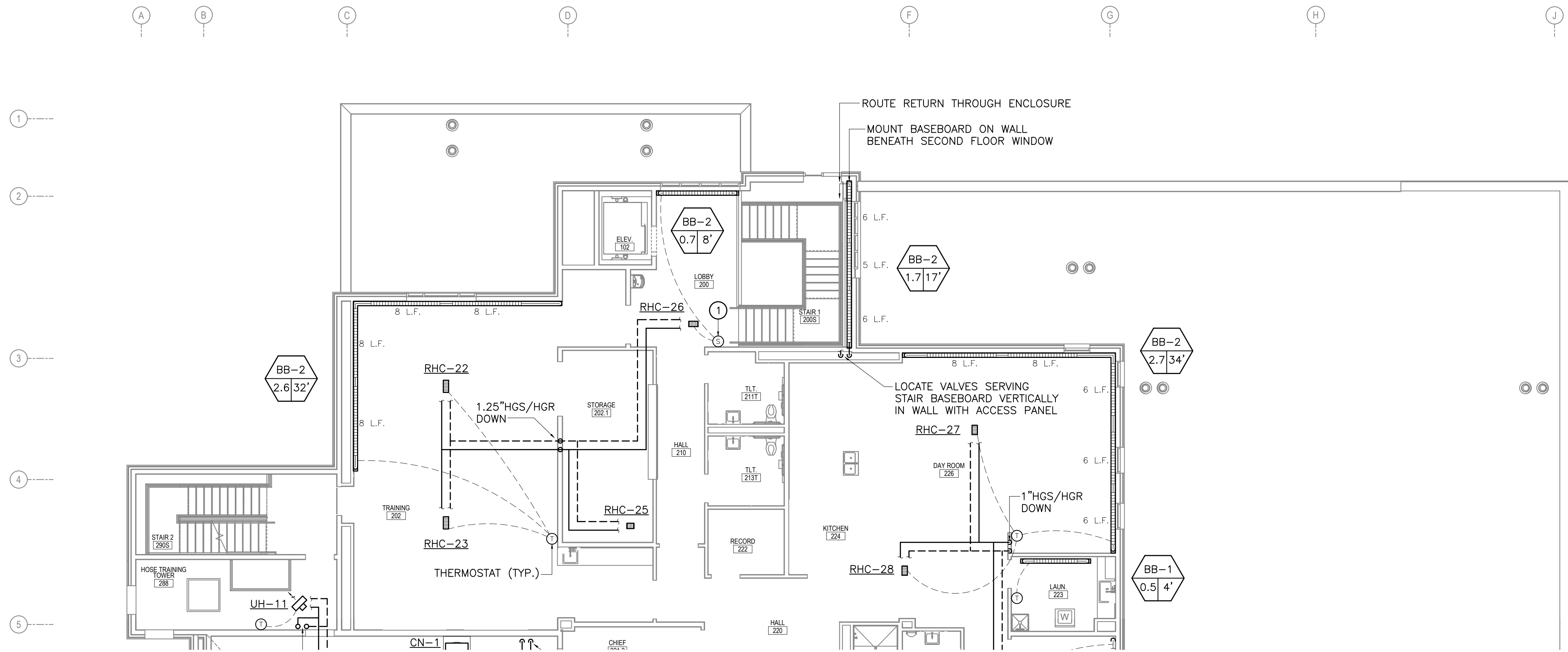
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FIRST FLOOR HEATING PLAN  
AREA B  
**M202**

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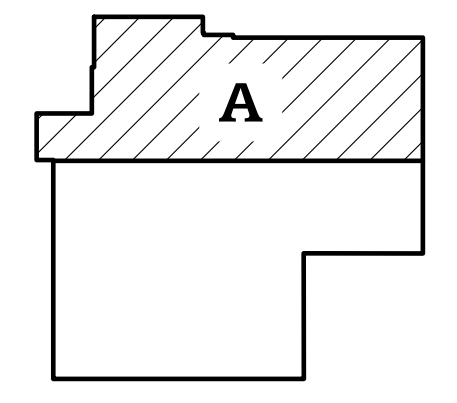
**1 SECOND FLOOR HEATING PLAN - AREA A**  
M203 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

1. BRANCH PIPING TO INDIVIDUAL TERMINAL HEATING UNITS SHALL BE 3/4" UNLESS OTHERWISE INDICATED.
2. DO NOT ROUTE ANY PIPING IN EXTERIOR WALL ASSEMBLIES.
3. PROVIDE ACCESS DOORS OF APPROPRIATE SIZE AS REQUIRED TO ALL EQUIPMENT AND VALVES LOCATED ABOVE HARD LID CEILINGS OR WITHIN WALLS REQUIRING PERMANENT ACCESS.
4. BRANCH PIPING TO INDIVIDUAL REHEAT COILS SHALL EQUAL THE MINIMUM BRANCH PIPE SIZE REQUIRED BY THE VAV BOX SCHEDULE.
5. INSTALL THERMOSTATS/SENSORS ON WALLS AT APPROXIMATE LOCATIONS INDICATED AFTER INSTALLATION OF FURNISHINGS. COORDINATE FINAL LOCATION AS REQUIRED SO THAT FURNISHINGS DO NOT COVER OR BLOCK ACCESS TO THERMOSTATS/SENSORS. DO NOT INSTALL ANY THERMOSTATS/SENSORS BEHIND DOORS.
6. ROUTE PIPING IN CEILING SPACE AS HIGH AS POSSIBLE AND THROUGH STRUCTURAL MEMBERS WHERE OPEN WEB TRUSSES ARE AVAILABLE. COORDINATE PIPE ROUTING WITH DUCTWORK AND OTHER TRADES AS REQUIRED.

**KEY NOTES**

1. PROVIDE DDC PROGRAMMABLE TEMPERATURE SENSOR IN LIEU OF MANUALLY ADJUSTED THERMOSTAT.



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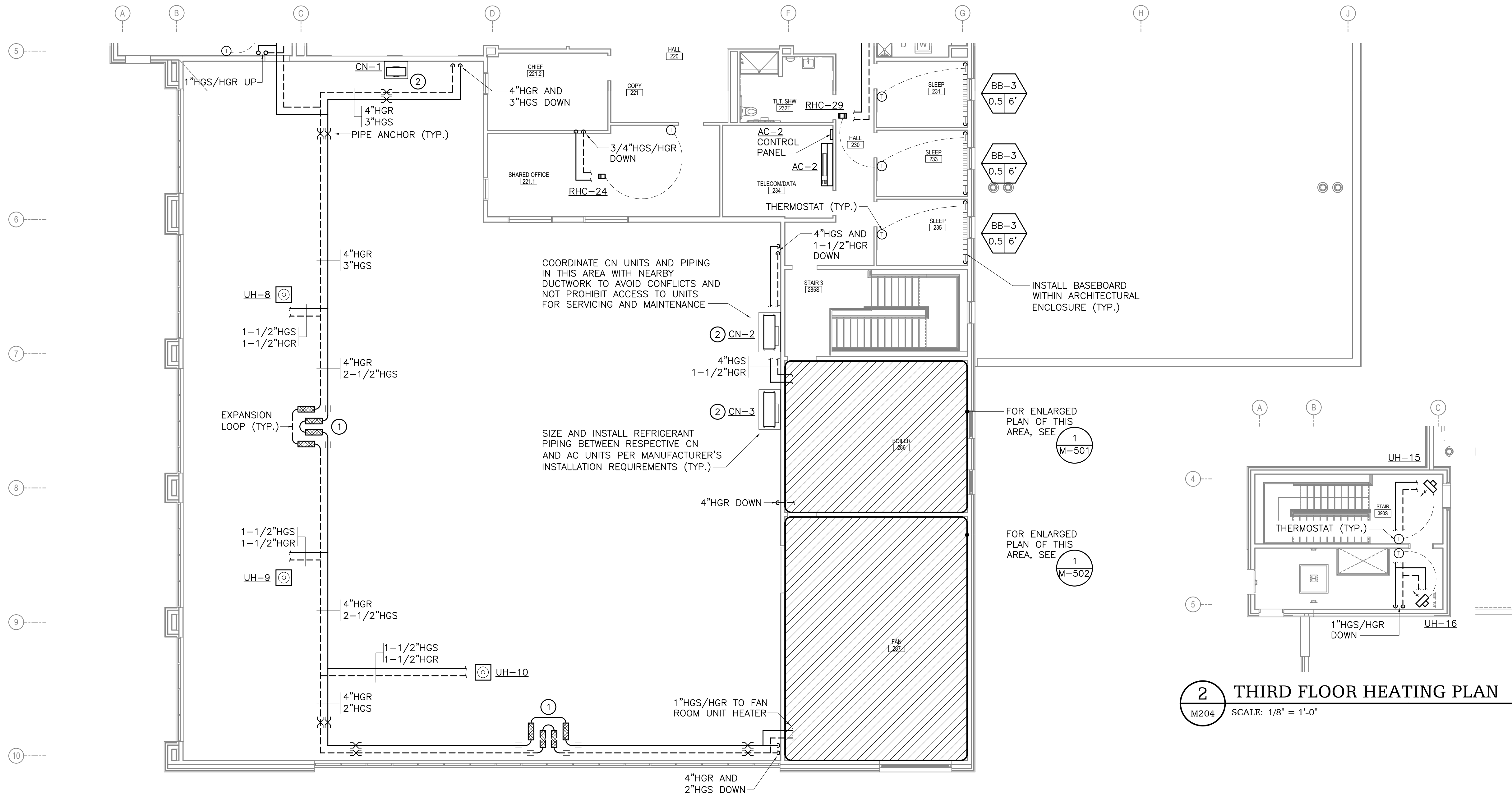
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SECOND FLOOR HEATING PLAN AREA A  
**M203**

NOT FOR CONSTRUCTION



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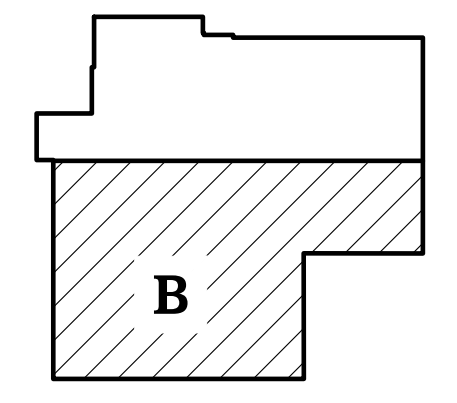
**1 SECOND FLOOR HEATING PLAN - AREA B**  
M204 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

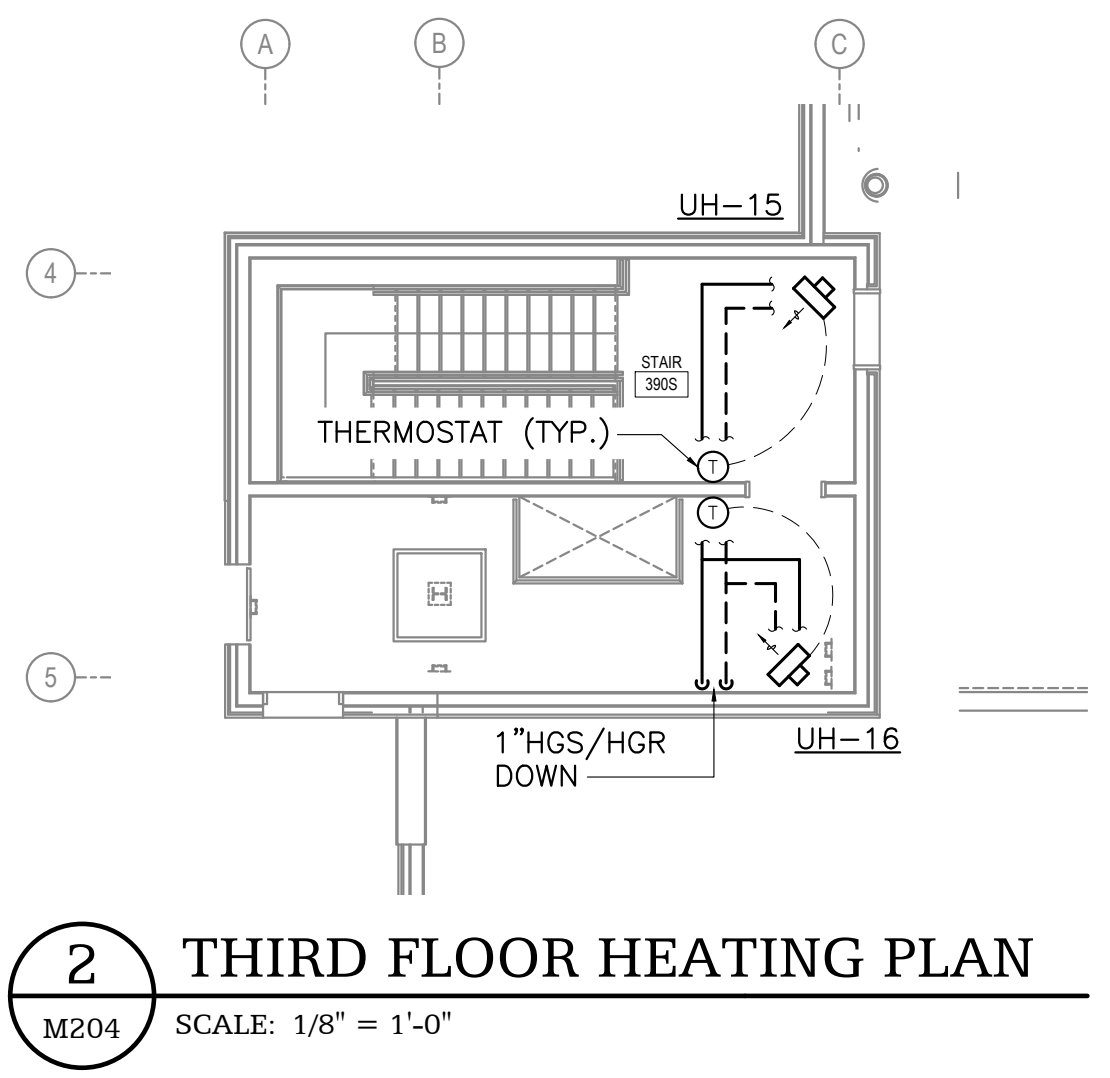
- BRANCH PIPING TO INDIVIDUAL TERMINAL HEATING UNITS SHALL BE 3/4" UNLESS OTHERWISE INDICATED.
- DO NOT ROUTE ANY PIPING IN EXTERIOR WALL ASSEMBLIES.
- PROVIDE ACCESS DOORS OF APPROPRIATE SIZE AS REQUIRED TO ALL EQUIPMENT AND VALVES LOCATED ABOVE HARD LID CEILINGS OR WITHIN WALLS REQUIRING PERMANENT ACCESS.
- BRANCH PIPING TO INDIVIDUAL REHEAT COILS SHALL EQUAL THE MINIMUM BRANCH PIPE SIZE REQUIRED BY THE VAV BOX SCHEDULE.
- INSTALL THERMOSTATS/SENSORS ON WALLS AT APPROXIMATE LOCATIONS INDICATED AFTER INSTALLATION OF FURNISHINGS. COORDINATE FINAL LOCATION AS REQUIRED SO THAT FURNISHINGS DO NOT COVER OR BLOCK ACCESS TO THERMOSTATS/SENSORS. DO NOT INSTALL ANY THERMOSTATS/SENSORS BEHIND DOORS.
- ROUTE PIPING IN CEILING SPACE AS HIGH AS POSSIBLE AND THROUGH STRUCTURAL MEMBERS WHERE OPEN WEB TRUSSES ARE AVAILABLE, COORDINATE PIPE ROUTING WITH DUCTWORK AND OTHER TRADES AS REQUIRED.

**KEY NOTES**

- PRE-MANUFACTURED EXPANSION LOOP WITH MINIMUM ±1.5" EXPANSION COMPENSATION, INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE WITH PIPE GUIDES IF REQUIRED BY MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- SECURE **CN** UNIT TO WALL MOUNTED PLATFORM. INSTALL PLATFORM A MINIMUM OF 17" AFF. COORDINATE WITH OTHER PIPING/DUCTWORK LOCATED IN THE SAME VICINITY TO AVOID CONFLICTS AND TO ENSURE ADEQUATE MAINTENANCE ACCESS IS PERMANENTLY MAINTAINED AT THE CONDENSER UNIT. REFER TO MANUFACTURER'S LITERATURE FOR COMPLETE INSTALLATION REQUIREMENTS AND INSTALL IN STRICT COMPLIANCE WITH INSTALL MANUAL.



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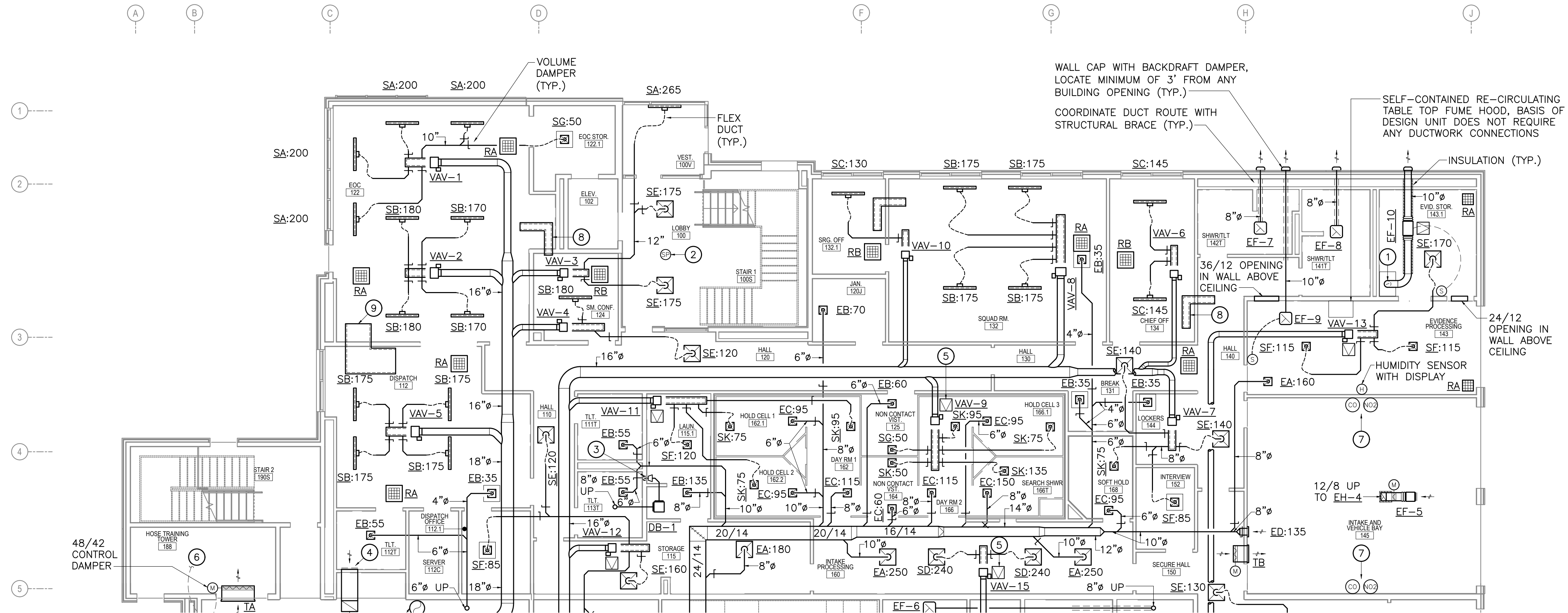
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SECOND FLOOR HEATING PLAN AREA B  
**M204**

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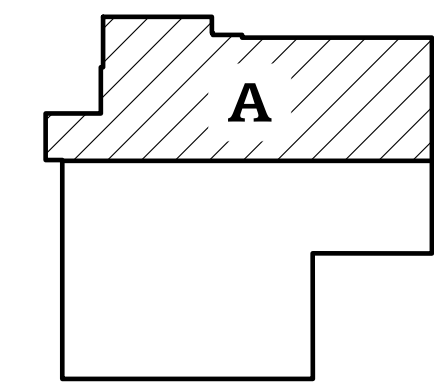
**1** FIRST FLOOR VENTILATION PLAN - AREA A  
M301 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

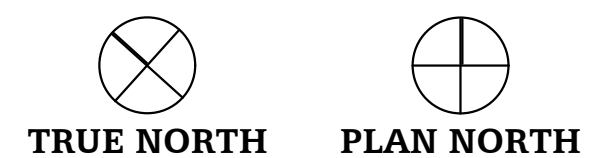
- BRANCH DUCTWORK TO INDIVIDUAL DIFFUSERS SHALL EQUAL THE DIFFUSER NECK SIZE UNLESS OTHERWISE INDICATED.
- BRANCH DUCTWORK TO INDIVIDUAL VAV BOXES SHALL EQUAL THE VAV BOX CONNECTION SIZE UNLESS OTHERWISE INDICATED.
- COORDINATE FINAL DIFFUSER AND GRILLE LOCATIONS WITH THE ARCHITECTURAL REFLECTED CEILING PLAN AND LIGHTING.
- VOLUME DAMPERS LOCATED ABOVE HARD LID CEILINGS SHALL BE PROVIDED WITH REMOTE OPERATORS.
- PROVIDE ACCESS DOORS AS REQUIRED FOR ALL EQUIPMENT LOCATED ABOVE HARD LID CEILINGS REQUIRING ACCESS.
- COORDINATE DUCTWORK ROUTING WITH LIGHTING, STRUCTURAL, CONDUIT, PIPING, AND OTHER TRADES AS REQUIRED TO AVOID CONFLICTS.
- RETURN AIR OPENINGS INDICATED HAVE BEEN COORDINATED WITH FULL HEIGHT WALLS AS SHOWN ON THE ARCHITECTURAL PLANS TO ENSURE SUFFICIENT RETURN AIR PATHS HAVE BEEN PROVIDED BACK TO THE AHU. IF ADDITIONAL WALLS ARE EXTENDED FULL HEIGHT TO UNDERSIDE OF ROOF/FLOOR DECK IN ADDITION TO THOSE SHOWN ON THE ARCHITECTURAL PLANS, CONTRACTOR SHALL PROVIDE OPENINGS, AND DAMPERS IF NEEDED, OF SUFFICIENT SIZE AS REQUIRED TO ENSURE ADEQUATE AIRWAY PATHS ARE PROVIDED BACK TO THE AHU'S RETURN AIR PLENUM OPENINGS.
- DIMENSIONS SHOWN FOR SOUNDLINED DUCTWORK ARE INTERIOR DUCT DIMENSIONS. ENLARGE DUCTWORK AS REQUIRED TO ACCOMMODATE SOUNDLINING.
- PROVIDE LONG RADIUS ELBOWS AT ALL ROUND DUCTWORK TO FURTHEST EXTENT POSSIBLE. MAINTAIN MEDIUM PRESSURE DUCTWORK BETWEEN AHU AND VAVs AT A CONSTANT ELEVATION TO FURTHEST EXTENT POSSIBLE WITH AS FEW OFFSETS AS NEEDED. ENSURE STRAIGHT RUN OF DUCTWORK IS PROVIDED UPSTREAM OF VAV CONNECTIONS, COORDINATE WITH VAV INSTALLATION REQUIREMENTS.
- ENSURE ALL DUCTWORK WITHIN THE APPARATUS BAY IS NO LESS THAN 17 FEET AFF UNLESS OTHERWISE NOTED OR REQUIRED TO BE MOUNTED LOWER PER MANUFACTURER'S INSTALLATION REQUIREMENTS.

**KEY NOTES**

- 10" DOWN TO 8" DRYING CABINET CONNECTION, TRANSITION AS REQUIRED, CONNECT TO DRYING CABINET PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- BUILDING STATIC PRESSURE SENSOR LOCATED IN CEILING SPACE. EXTEND TUBE FROM SENSOR DOWN THROUGH CEILING TO SENSE PRESSURE IN BELOW ROOM. TERMINATE TUBING WITH COVER OR ESCUTCHEON AT CEILING TERMINATION.
- 4" DRYER EXHAUST DUCT DOWN TO DRYER. CONNECT AND INSTALL DUCT IN ACCORDANCE WITH DRYER'S INSTALLATION REQUIREMENTS. PROVIDE DUCT LENGTH PLACARD PER IMC REQUIREMENTS.
- 24/16 RETURN AIR DUCT OPENING INTO FIRST FLOOR CEILING PLENUM SPACE, PROVIDE WITH 1/2" SCREENED OPENING.
- PROVIDE 18/18 SECURITY ACCESS DOOR WITH DETENTION LOCK.
- TO 60/36 INSULATED CONTROL DAMPER AT LOUVER L-1.
- CARBON MONOXIDE AND NITROGEN DIOXIDE DETECTORS. INSTALL 5' AFF OR IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.
- 10/10 SOUNDLINED RETURN AIR BOOT.
- 36/16 SOUNDLINED RETURN AIR BOOT.



**KEY PLAN**



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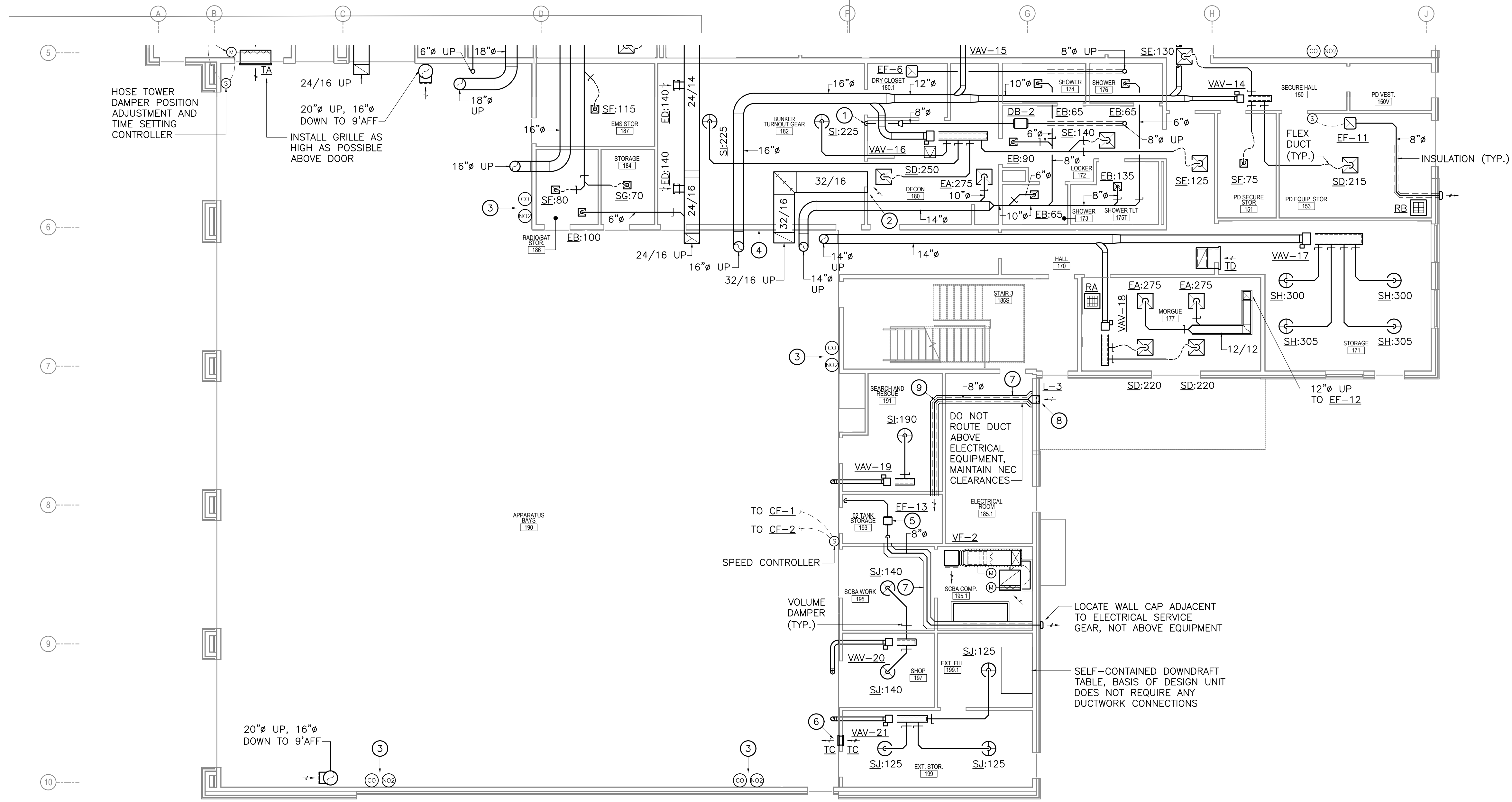
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FIRST FLOOR VENTILATION PLAN  
AREA A  
**M301**

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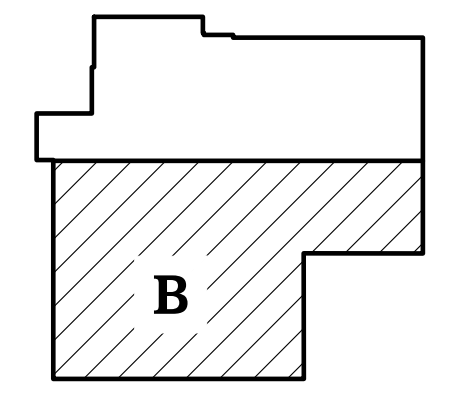
**1** FIRST FLOOR VENTILATION PLAN - AREA B  
M302 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

- BRANCH DUCTWORK TO INDIVIDUAL DIFFUSERS SHALL EQUAL THE DIFFUSER NECK SIZE UNLESS OTHERWISE INDICATED.
- BRANCH DUCTWORK TO INDIVIDUAL VAV BOXES SHALL EQUAL THE VAV BOX CONNECTION SIZE UNLESS OTHERWISE INDICATED.
- COORDINATE FINAL DIFFUSER AND GRILLE LOCATIONS WITH THE ARCHITECTURAL REFLECTED CEILING PLAN AND LIGHTING.
- VOLUME DAMPERS LOCATED ABOVE HARD LID CEILINGS SHALL BE PROVIDED WITH REMOTE OPERATORS.
- PROVIDE ACCESS DOORS AS REQUIRED FOR ALL EQUIPMENT LOCATED ABOVE HARD LID CEILINGS REQUIRING ACCESS.
- COORDINATE DUCTWORK ROUTING WITH LIGHTING, STRUCTURAL, CONDUIT, PIPING, AND OTHER TRADES AS REQUIRED TO AVOID CONFLICTS.
- ENSURE ALL DUCTWORK WITHIN THE APPARATUS BAY IS NO LESS THAN 17 FEET AFF UNLESS OTHERWISE NOTED OR REQUIRED TO BE MOUNTED LOWER PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
- RETURN AIR OPENINGS INDICATED HAVE BEEN COORDINATED WITH FULL HEIGHT WALLS AS SHOWN ON THE ARCHITECTURAL PLANS TO ENSURE SUFFICIENT RETURN AIR PATHS HAVE BEEN PROVIDED BACK TO THE AHU. IF ADDITIONAL WALLS ARE EXTENDED FULL HEIGHT TO UNDERSIDE OF ROOF/FLOOR DECK IN ADDITION TO THOSE SHOWN ON THE ARCHITECTURAL PLANS, CONTRACTOR SHALL PROVIDE OPENINGS, AND DAMPERS IF NEEDED, OF SUFFICIENT SIZE AS REQUIRED TO ENSURE ADEQUATE AIRWAY PATHS ARE PROVIDED BACK TO THE AHU'S RETURN AIR PLENUM OPENINGS.
- DIMENSIONS SHOWN FOR SOUNDLINED DUCTWORK ARE INTERIOR DUCT DIMENSIONS. ENLARGE DUCTWORK AS REQUIRED TO ACCOMMODATE SOUNDLINING.
- PROVIDE LONG RADIUS ELBOWS AT ALL ROUND DUCTWORK TO FURTHEST EXTENT POSSIBLE. MAINTAIN MEDIUM PRESSURE DUCTWORK BETWEEN AHU AND VAVS AT A CONSTANT ELEVATION TO FURTHEST EXTENT POSSIBLE WITH AS FEW OFFSETS AS NEEDED. ENSURE STRAIGHT RUN OF DUCTWORK IS PROVIDED UPSTREAM OF VAV CONNECTIONS, COORDINATE WITH VAV INSTALLATION REQUIREMENTS.

**KEY NOTES**

- 4" DRYER EXHAUST DUCT DOWN TO DRYER. CONNECT AND INSTALL DUCT IN ACCORDANCE WITH DRYER'S INSTALLATION REQUIREMENTS. PROVIDE DUCT LENGTH PLACARD PER IMC REQUIREMENTS.
- 32/16 RETURN AIR DUCT OPENING INTO FIRST FLOOR CEILING PLENUM SPACE, PROVIDE WITH 1/2" SCREENED OPENING.
- CARBON MONOXIDE AND NITROGEN DIOXIDE DETECTORS, INSTALL 5' AFF OR IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.
- COORDINATE DUCT PENETRATIONS IN THIS AREA WITH BRACING, SEE STRUCTURAL.
- INSTALL EXHAUST FAN BELOW CEILING WITHIN O2 TANK STORAGE ROOM.
- 14/14 RETURN AIR OPENING THROUGH WALL, INSTALL GRILLES AS HIGH AS POSSIBLE.
- PROVIDE A 1 HOUR SHAFT ENCLOSURE AROUND SUPPLY OR EXHAUST DUCT BETWEEN DUCT PENETRATION INTO O2 TANK STORAGE ROOM AND EXTERIOR WALL PENETRATION, COORDINATE WITH ARCHITECTURAL AS REQUIRED.
- TRANSITION BETWEEN L-3 AND 8" S/A DUCT AS REQUIRED, ENSURE TRANSITION SLOPES TO ALLOW DRAINAGE OUT OF LOUVER.
- INSULATE THE ENTIRE SUPPLY AIR DUCT SERVING O2 TANK STORAGE ROOM.



**KEYPLAN**  
TRUE NORTH PLAN NORTH

65% SET  
NOT FOR  
CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA  
65% PRICING SET

CONSULTANT:  
**HZA**  
ENGINEERING SOLUTIONS  
HZA Engineering, LLC  
113 W. Northern Lights Blvd., Suite 240  
Anchorage, Alaska 99509  
Tel. (907) 562-1012 Fax (907) 562-1013  
AK Corporation #: ASEL881

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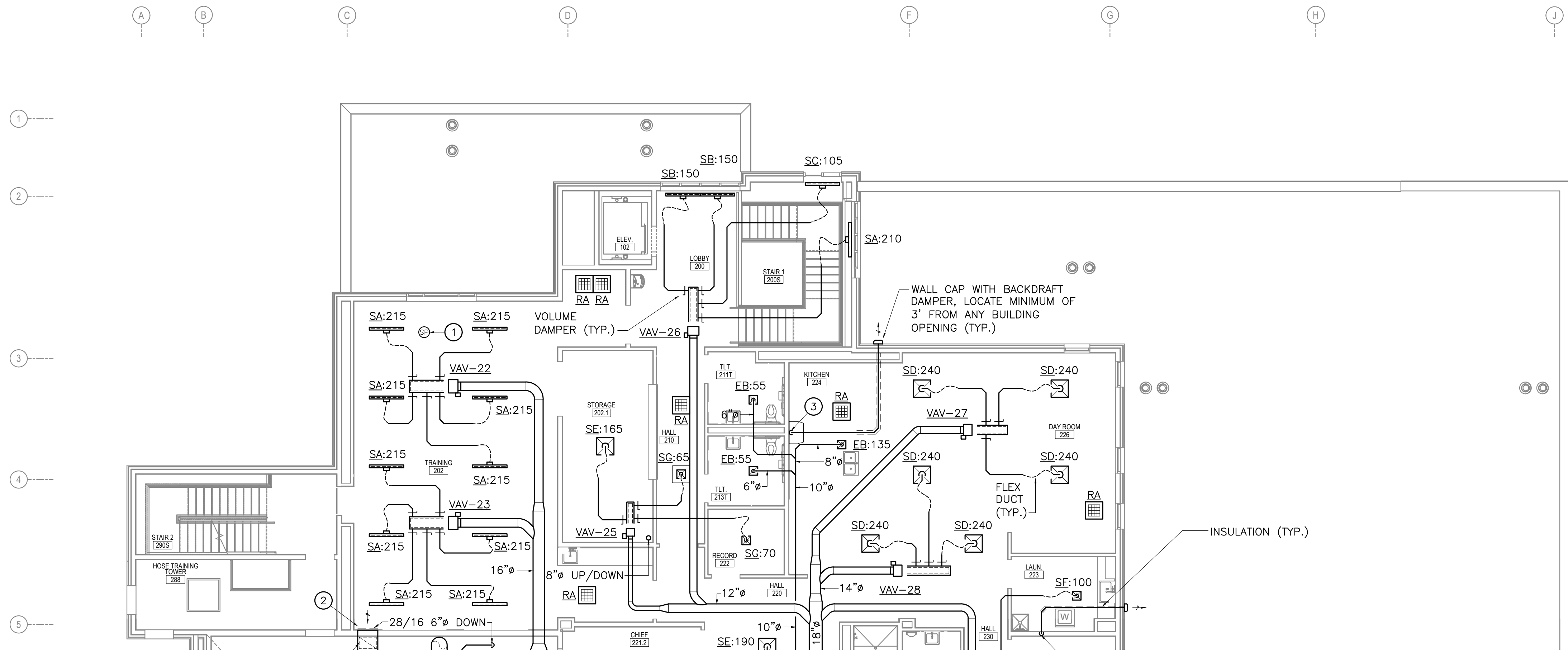
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FIRST FLOOR VENTILATION PLAN AREA B  
**M302**

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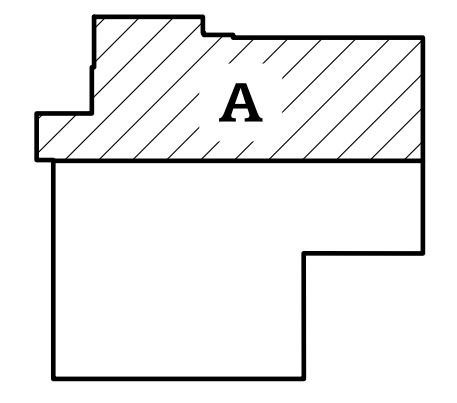
**1 SECOND FLOOR VENTILATION PLAN - AREA A**  
 M303 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

1. BRANCH DUCTWORK TO INDIVIDUAL DIFFUSERS SHALL EQUAL THE DIFFUSER NECK SIZE UNLESS OTHERWISE INDICATED.
2. BRANCH DUCTWORK TO INDIVIDUAL VAV BOXES SHALL EQUAL THE VAV BOX CONNECTION SIZE UNLESS OTHERWISE INDICATED.
3. COORDINATE FINAL DIFFUSER AND GRILLE LOCATIONS WITH THE ARCHITECTURAL REFLECTED CEILING PLAN AND LIGHTING.
4. VOLUME DAMPERS LOCATED ABOVE HARD LID CEILINGS SHALL BE PROVIDED WITH REMOTE OPERATORS.
5. PROVIDE ACCESS DOORS AS REQUIRED FOR ALL EQUIPMENT LOCATED ABOVE HARD LID CEILINGS REQUIRING ACCESS.
6. COORDINATE DUCTWORK ROUTING WITH LIGHTING, STRUCTURAL, CONDUIT, PIPING, AND OTHER TRADES AS REQUIRED TO AVOID CONFLICTS.
7. ENSURE ALL DUCTWORK WITHIN THE APPARATUS BAY IS NO LESS THAN 17 FEET AFF UNLESS OTHERWISE NOTED OR REQUIRED TO BE MOUNTED LOWER PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
8. RETURN AIR OPENINGS INDICATED HAVE BEEN COORDINATED WITH FULL HEIGHT WALLS AS SHOWN ON THE ARCHITECTURAL PLANS TO ENSURE SUFFICIENT RETURN AIR PATHS HAVE BEEN PROVIDED BACK TO THE AHU. IF ADDITIONAL WALLS ARE EXTENDED FULL HEIGHT TO UNDERSIDE OF ROOF/FLOOR DECK IN ADDITION TO THOSE SHOWN ON THE ARCHITECTURAL PLANS, CONTRACTOR SHALL PROVIDE OPENINGS, AND DAMPERS IF NEEDED, OF SUFFICIENT SIZE AS REQUIRED TO ENSURE ADEQUATE AIRWAY PATHS ARE PROVIDED BACK TO THE AHU'S RETURN AIR PLENUM OPENINGS.
9. DIMENSIONS SHOWN FOR SOUNDLINED DUCTWORK ARE INTERIOR DUCT DIMENSIONS. ENLARGE DUCTWORK AS REQUIRED TO ACCOMMODATE SOUNDLINING.
10. PROVIDE LONG RADIUS ELBOWS AT ALL ROUND DUCTWORK TO FURTHEST EXTENT POSSIBLE. MAINTAIN MEDIUM PRESSURE DUCTWORK BETWEEN AHU AND VAVs AT A CONSTANT ELEVATION TO FURTHEST EXTENT POSSIBLE WITH AS FEW OFFSETS AS NEEDED. ENSURE STRAIGHT RUN OF DUCTWORK IS PROVIDED UPSTREAM OF VAV CONNECTIONS, COORDINATE WITH VAV INSTALLATION REQUIREMENTS.

**KEY NOTES**

- ① BUILDING STATIC PRESSURE SENSOR LOCATED IN CEILING SPACE. EXTEND TUBE FROM SENSOR DOWN THROUGH CEILING TO SENSE PRESSURE IN BELOW ROOM. TERMINATE TUBING WITH COVER OR ESCUTCHEON AT CEILING TERMINATION.
- ② 28/16 RETURN AIR DUCT OPENING INTO FIRST FLOOR CEILING PLENUM SPACE, PROVIDE WITH 1/2" SCREENED OPENING.
- ③ 7"φ RANGE HOOD DUCT DOWN TO ARCHITECTURAL RANGE HOOD. ROUTE HOOD TERMINATION TO WALL CAP AS INDICATED.



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 CONSTRUCTION**

**HAINES BOROUGH  
 HAINES COMMUNITY SAFETY AND  
 TRAINING CENTER  
 HAINES, ALASKA**

65% PRICING SET

CONSULTANT:

HZA Engineering, LLC  
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 AK Corporation #: ASCL881

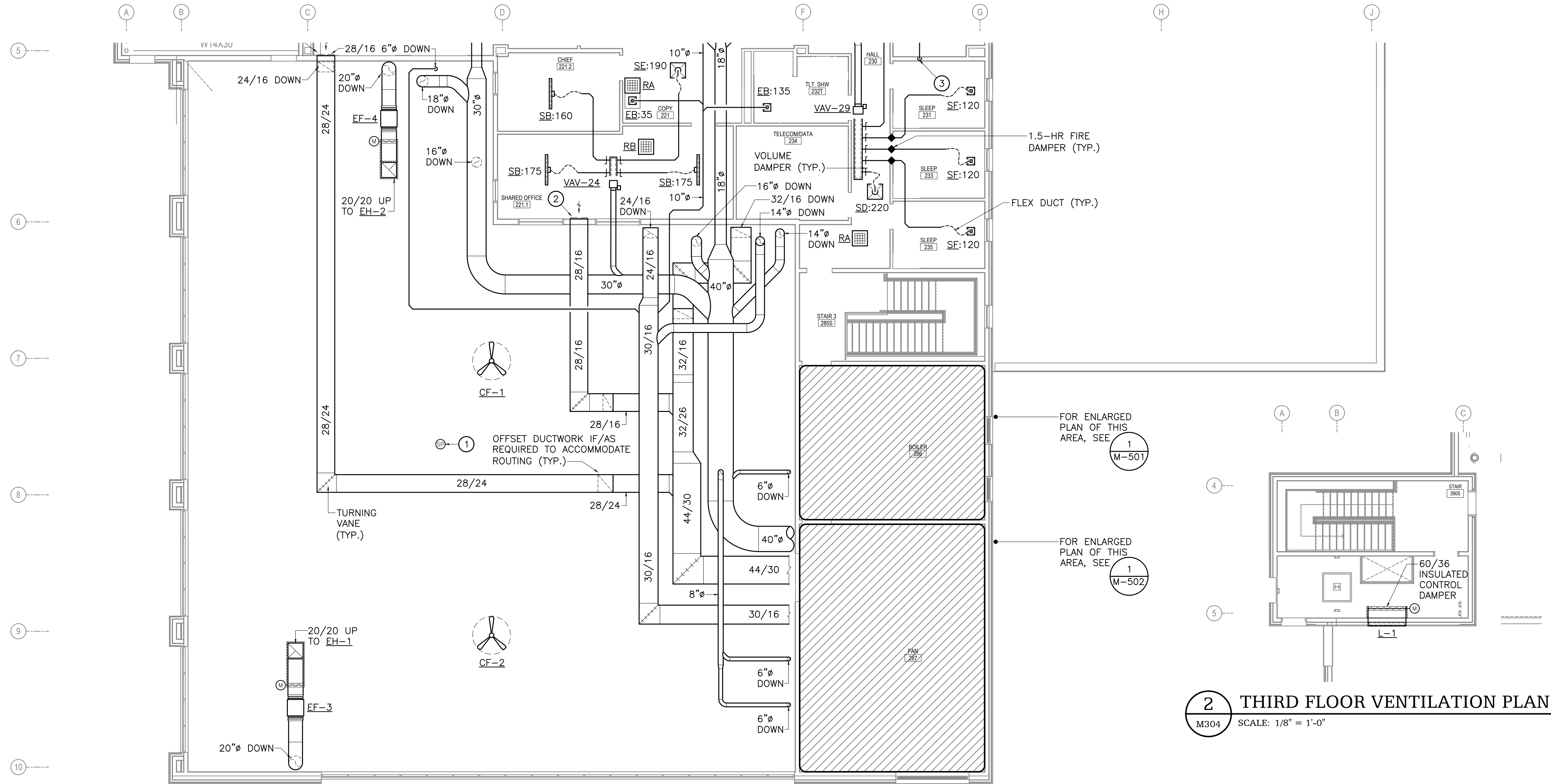
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SECOND FLOOR  
 VENTILATION PLAN  
 AREA A  
**M303**

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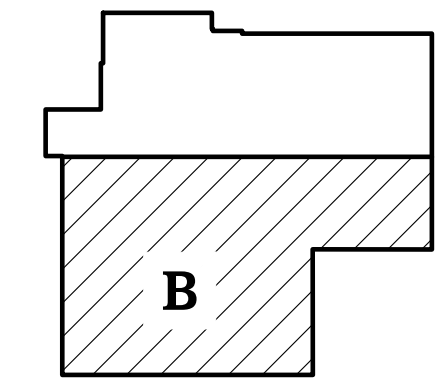
1 SECOND FLOOR VENTILATION PLAN - AREA B  
M304 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

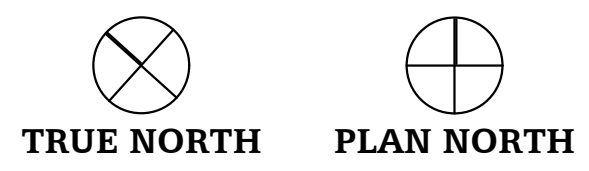
- BRANCH DUCTWORK TO INDIVIDUAL DIFFUSERS SHALL EQUAL THE DIFFUSER NECK SIZE UNLESS OTHERWISE INDICATED.
- BRANCH DUCTWORK TO INDIVIDUAL VAV BOXES SHALL EQUAL THE VAV BOX CONNECTION SIZE UNLESS OTHERWISE INDICATED.
- COORDINATE FINAL DIFFUSER AND GRILLE LOCATIONS WITH THE ARCHITECTURAL REFLECTED CEILING PLAN AND LIGHTING.
- VOLUME DAMPERS LOCATED ABOVE HARD LID CEILINGS SHALL BE PROVIDED WITH REMOTE OPERATORS.
- PROVIDE ACCESS DOORS AS REQUIRED FOR ALL EQUIPMENT LOCATED ABOVE HARD LID CEILINGS REQUIRING ACCESS.
- COORDINATE DUCTWORK ROUTING WITH LIGHTING, STRUCTURAL, CONDUIT, PIPING, AND OTHER TRADES AS REQUIRED TO AVOID CONFLICTS.
- ENSURE ALL DUCTWORK WITHIN THE APPARATUS BAY IS NO LESS THAN 17 FEET AFF UNLESS OTHERWISE NOTED OR REQUIRED TO BE MOUNTED LOWER PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
- RETURN AIR OPENINGS INDICATED HAVE BEEN COORDINATED WITH FULL HEIGHT WALLS AS SHOWN ON THE ARCHITECTURAL PLANS TO ENSURE SUFFICIENT RETURN AIR PATHS HAVE BEEN PROVIDED BACK TO THE AHU. IF ADDITIONAL WALLS ARE EXTENDED FULL HEIGHT TO UNDERSIDE OF ROOF/FLOOR DECK IN ADDITION TO THOSE SHOWN ON THE ARCHITECTURAL PLANS, CONTRACTOR SHALL PROVIDE OPENINGS, AND DAMPERS IF NEEDED, OF SUFFICIENT SIZE AS REQUIRED TO ENSURE ADEQUATE AIRWAY PATHS ARE PROVIDED BACK TO THE AHU'S RETURN AIR PLENUM OPENINGS.
- DIMENSIONS SHOWN FOR SOUNDLINED DUCTWORK ARE INTERIOR DUCT DIMENSIONS. ENLARGE DUCTWORK AS REQUIRED TO ACCOMMODATE SOUNDLINING.
- PROVIDE LONG RADIUS ELBOWS AT ALL ROUND DUCTWORK TO FURTHEST EXTENT POSSIBLE. MAINTAIN MEDIUM PRESSURE DUCTWORK BETWEEN AHU AND VAVS AT A CONSTANT ELEVATION TO FURTHEST EXTENT POSSIBLE WITH AS FEW OFFSETS AS NEEDED. ENSURE STRAIGHT RUN OF DUCTWORK IS PROVIDED UPSTREAM OF VAV CONNECTIONS, COORDINATE WITH VAV INSTALLATION REQUIREMENTS.

**KEY NOTES**

- BUILDING STATIC PRESSURE SENSOR LOCATED HIGH AT CEILING.
- 28/16 RETURN AIR DUCT OPENING INTO FIRST FLOOR CEILING PLENUM SPACE, PROVIDE WITH 1/2" SCREENED OPENING.
- 4" DRYER EXHAUST DUCT DOWN TO DRYER. CONNECT AND INSTALL DUCT IN ACCORDANCE WITH DRYER'S INSTALLATION REQUIREMENTS. PROVIDE DUCT LENGTH PLACARD PER IMC REQUIREMENTS.



**KEYPLAN**



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HAINES, ALASKA  
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CONSULTANT:  
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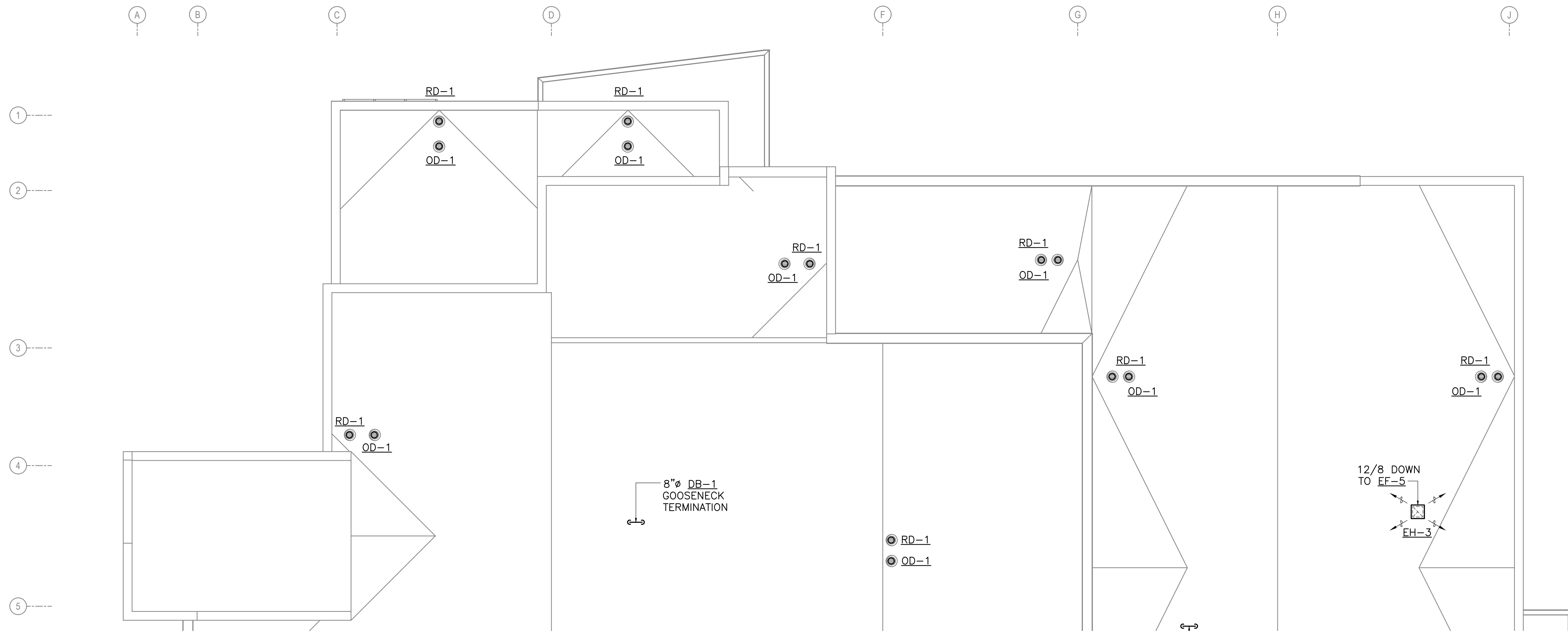
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SECOND FLOOR VENTILATION PLAN AREA B  
**M304**

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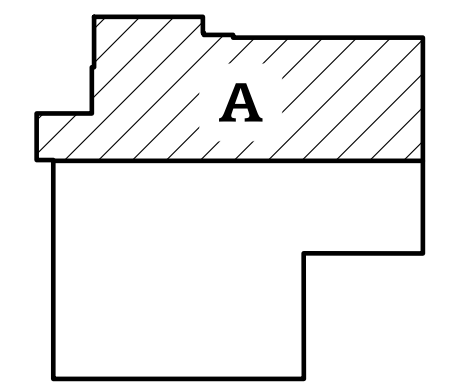
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**1** MECHANICAL ROOF PLAN - AREA A  
M401 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

1. COORDINATE ALL ROOF PENETRATIONS WITH STRUCTURAL MEMBERS.
2. ENSURE ALL EXHAUST TERMINATIONS AND VENT THROUGH ROOFS ARE SUFFICIENT DISTANCE AWAY FROM AIR INTAKES AS REQUIRED PER IMC.
3. DO NOT INSTALL ANY PIECE OF ROOF MOUNTED EQUIPMENT WITHIN 10' OF ROOF EDGE, OTHERWISE PROVIDE GUARD RAILS IF EQUIPMENT IS WITHIN 10' OF A ROOF EDGE.
4. COORDINATE ROOF PENETRATIONS WITH ROOF WALKWAY PADS. ENSURE PIPE/DUCT ROOF PENETRATIONS DO NOT PENETRATE A PAD.



**KEYPLAN**



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HAINES, ALASKA  
65% PRICING SET

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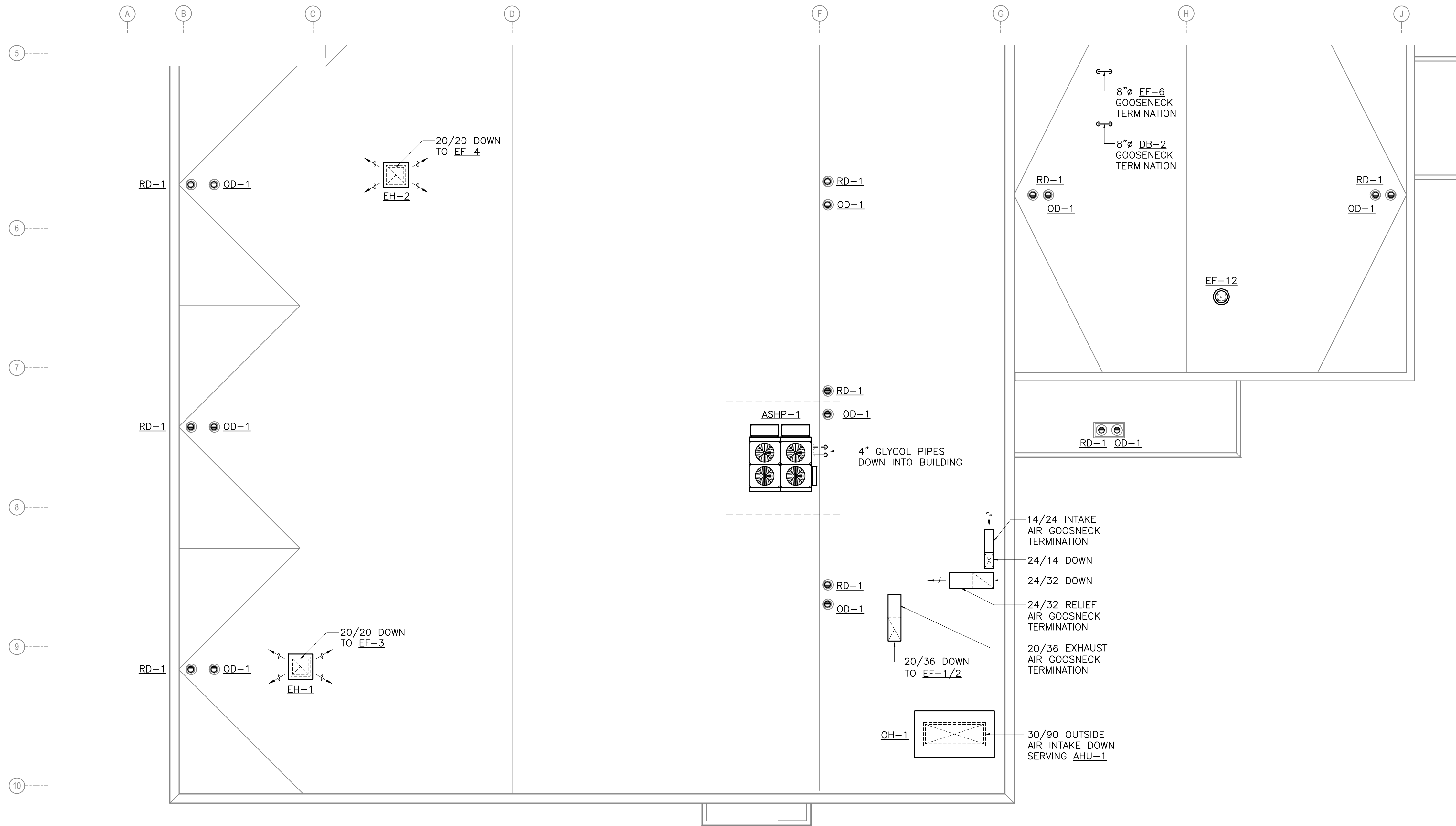
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MECHANICAL ROOF PLAN  
AREA A  
**M401**

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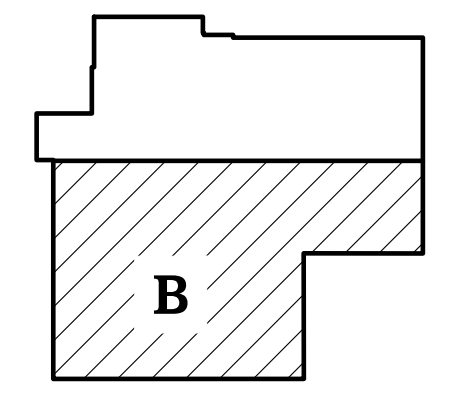
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**1** MECHANICAL ROOF PLAN - AREA B  
M402 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

- COORDINATE ALL ROOF PENETRATIONS WITH STRUCTURAL MEMBERS.
- ENSURE ALL EXHAUST TERMINATIONS AND VENT THROUGH ROOFS ARE SUFFICIENT DISTANCE AWAY FROM AIR INTAKES AS REQUIRED PER IMC.
- DO NOT INSTALL ANY PIECE OF ROOF MOUNTED EQUIPMENT WITHIN 10' OF ROOF EDGE, OTHERWISE PROVIDE GUARD RAILS IF EQUIPMENT IS WITHIN 10' OF A ROOF EDGE.
- COORDINATE ROOF PENETRATIONS WITH ROOF WALKWAY PADS. ENSURE PIPE/DUCT ROOF PENETRATIONS DO NOT PENETRATE A PAD.



**KEYPLAN**



CONSULTANT:

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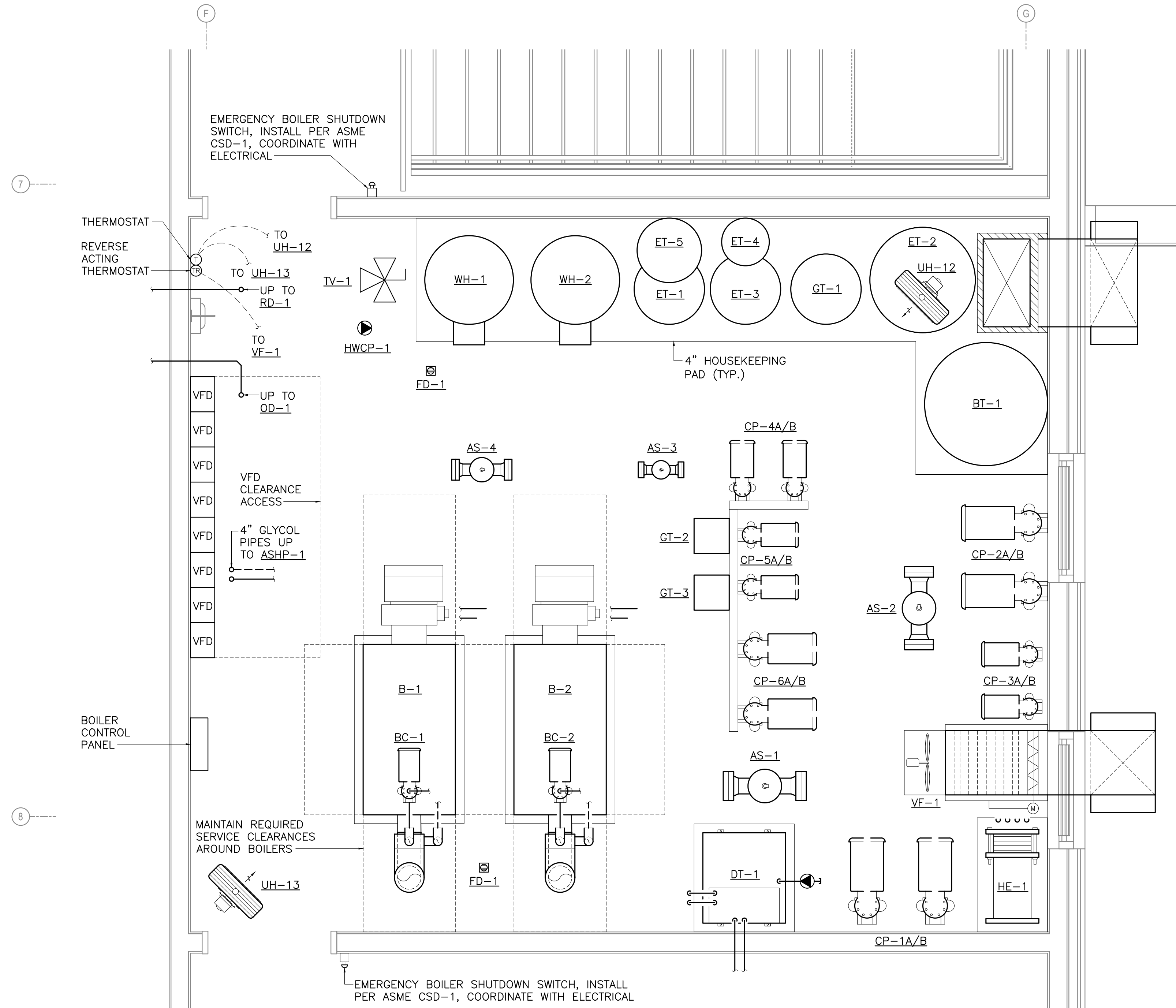
MECHANICAL ROOF PLAN  
AREA B

**M402**

NOT FOR CONSTRUCTION

65% SET  
NOT FOR  
CONSTRUCTION

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**1 MECHANICAL ROOM PLAN**  
M501 SCALE: 1/2" = 1'-0"

**SHEET NOTES**

- BRANCH PIPING TO INDIVIDUAL TERMINAL HEATING UNITS SHALL BE 3/4" UNLESS OTHERWISE INDICATED.
- DO NOT ROUTE ANY PIPING IN EXTERIOR WALL ASSEMBLIES.
- PROVIDE ACCESS DOORS OF APPROPRIATE SIZE AS REQUIRED TO ALL EQUIPMENT AND VALVES LOCATED ABOVE HARD LID CEILINGS OR WITHIN WALLS REQUIRING PERMANENT ACCESS.
- INSTALL THERMOSTATS/SENSORS ON WALLS AT APPROXIMATE LOCATIONS INDICATED AFTER INSTALLATION OF EQUIPMENT. COORDINATE FINAL LOCATION AS REQUIRED SO THAT EQUIPMENT DOES NOT COVER OR BLOCK ACCESS TO THERMOSTATS/SENSORS. DO NOT INSTALL ANY THERMOSTATS/SENSORS BEHIND DOORS.
- ROUTE PIPING IN CEILING SPACE AS HIGH AS POSSIBLE AND THROUGH STRUCTURAL MEMBERS WHERE OPEN WEB TRUSSES ARE AVAILABLE, COORDINATE PIPE ROUTING WITH DUCTWORK AND OTHER TRADES AS REQUIRED TO AVOID CONFLICT.

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NOT FOR  
CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA  
65% PRICING SET

CONSULTANT:

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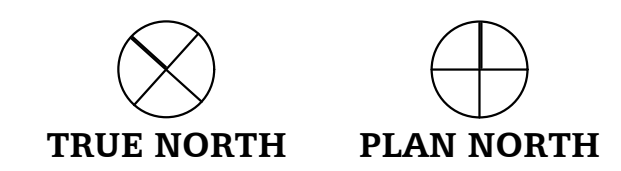
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MECHANICAL ROOM PLAN

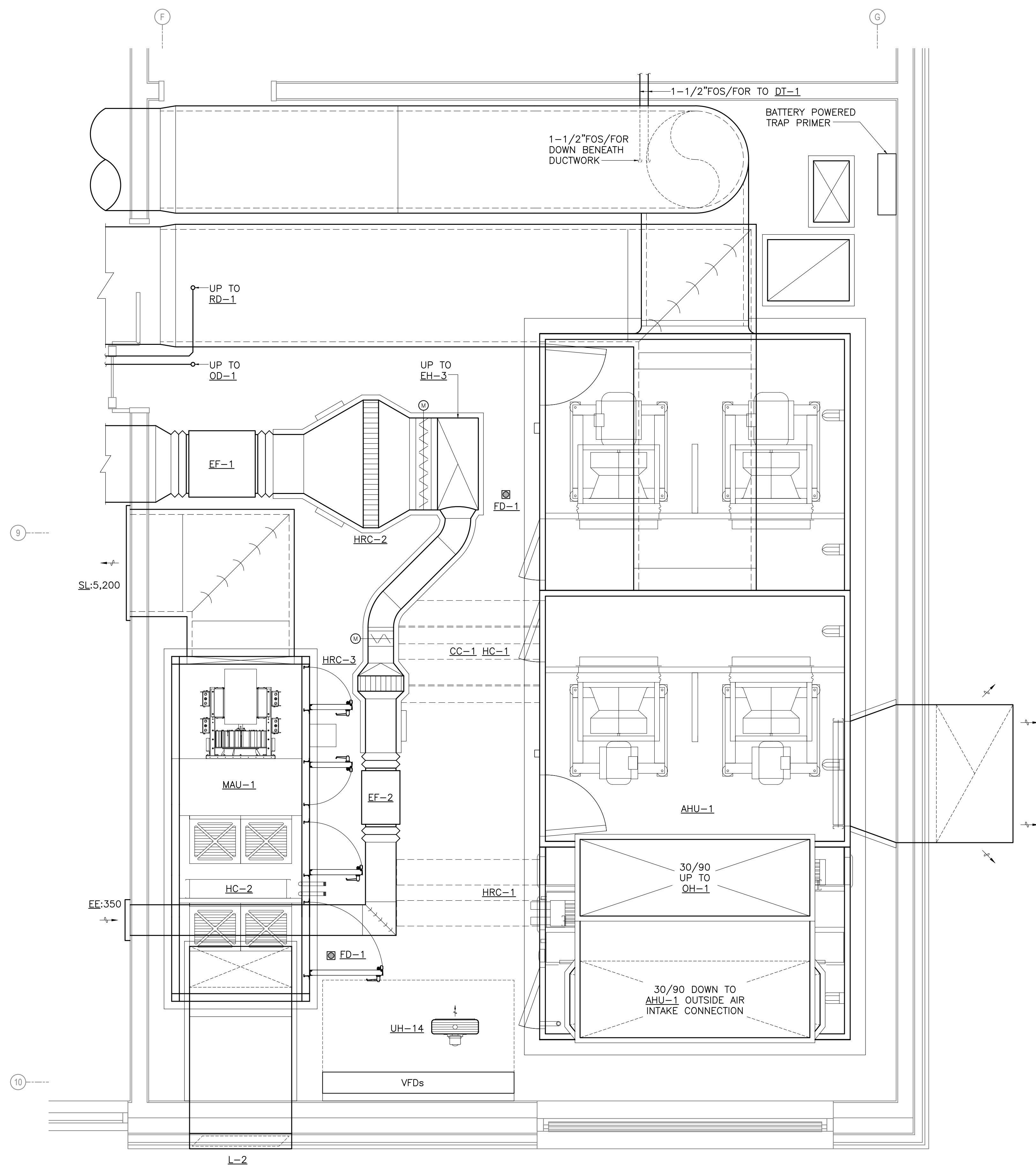
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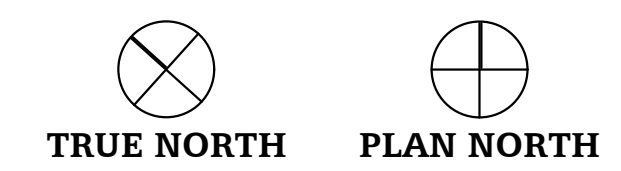
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**SHEET NOTES**

1. BRANCH PIPING TO INDIVIDUAL TERMINAL HEATING UNITS SHALL BE 3/4" UNLESS OTHERWISE INDICATED.
2. DO NOT ROUTE ANY PIPING IN EXTERIOR WALL ASSEMBLIES.
3. PROVIDE ACCESS DOORS OF APPROPRIATE SIZE AS REQUIRED TO ALL EQUIPMENT AND VALVES LOCATED ABOVE HARD LID CEILINGS OR WITHIN WALLS REQUIRING PERMANENT ACCESS.
4. INSTALL THERMOSTATS/SENSORS ON WALLS AT APPROXIMATE LOCATIONS INDICATED AFTER INSTALLATION OF EQUIPMENT. COORDINATE FINAL LOCATION AS REQUIRED SO THAT EQUIPMENT DOES NOT COVER OR BLOCK ACCESS TO THERMOSTATS/SENSORS. DO NOT INSTALL ANY THERMOSTATS/SENSORS BEHIND DOORS.
5. ROUTE PIPING IN CEILING SPACE AS HIGH AS POSSIBLE AND THROUGH STRUCTURAL MEMBERS WHERE OPEN WEB TRUSSES ARE AVAILABLE. COORDINATE PIPE ROUTING WITH DUCTWORK AND OTHER TRADES AS REQUIRED TO AVOID CONFLICT.
6. PROVIDE TURNING VANES IN ALL RECTANGULAR ELBOWS.

**1 FAN ROOM PLAN**  
M502 SCALE: 1/2" = 1'-0"



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**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
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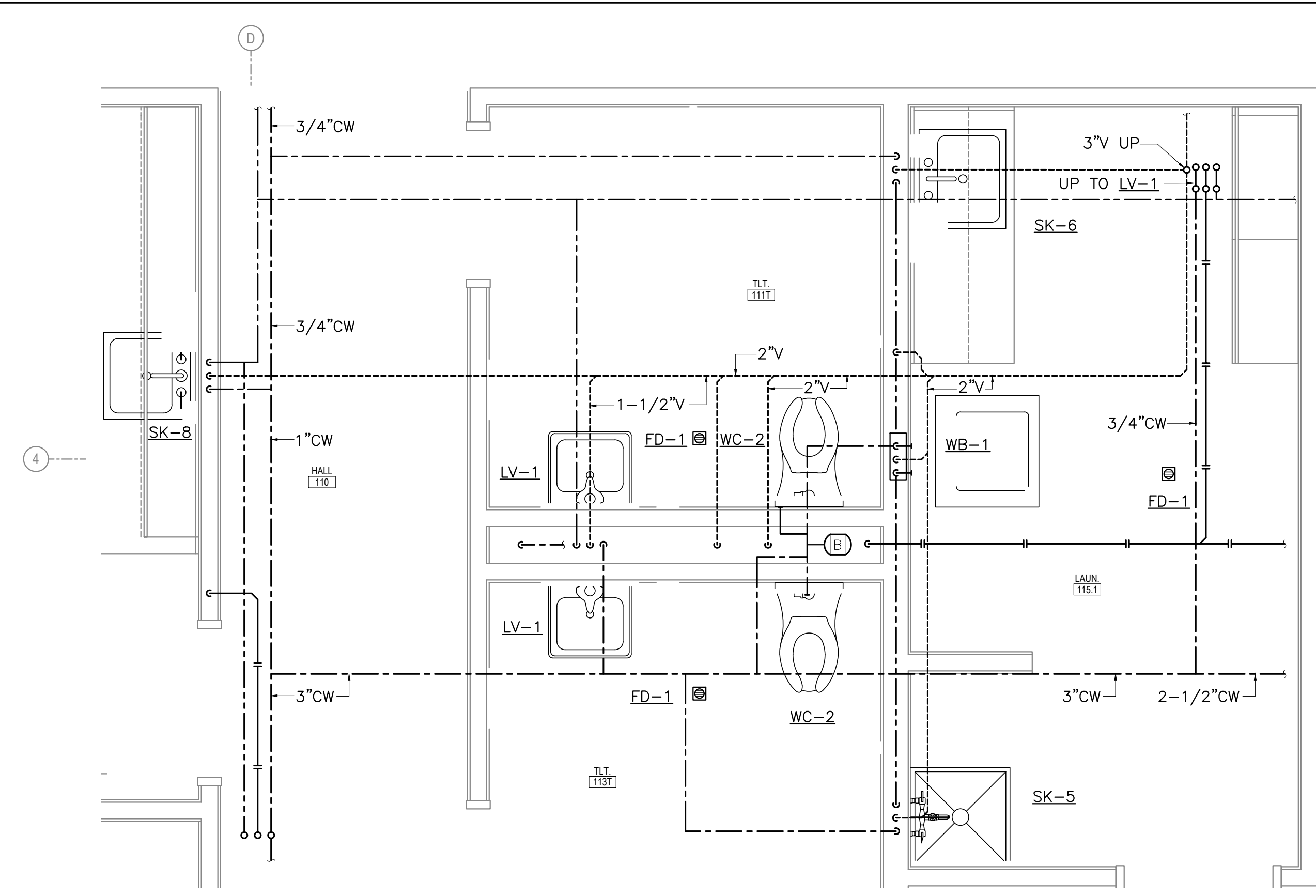
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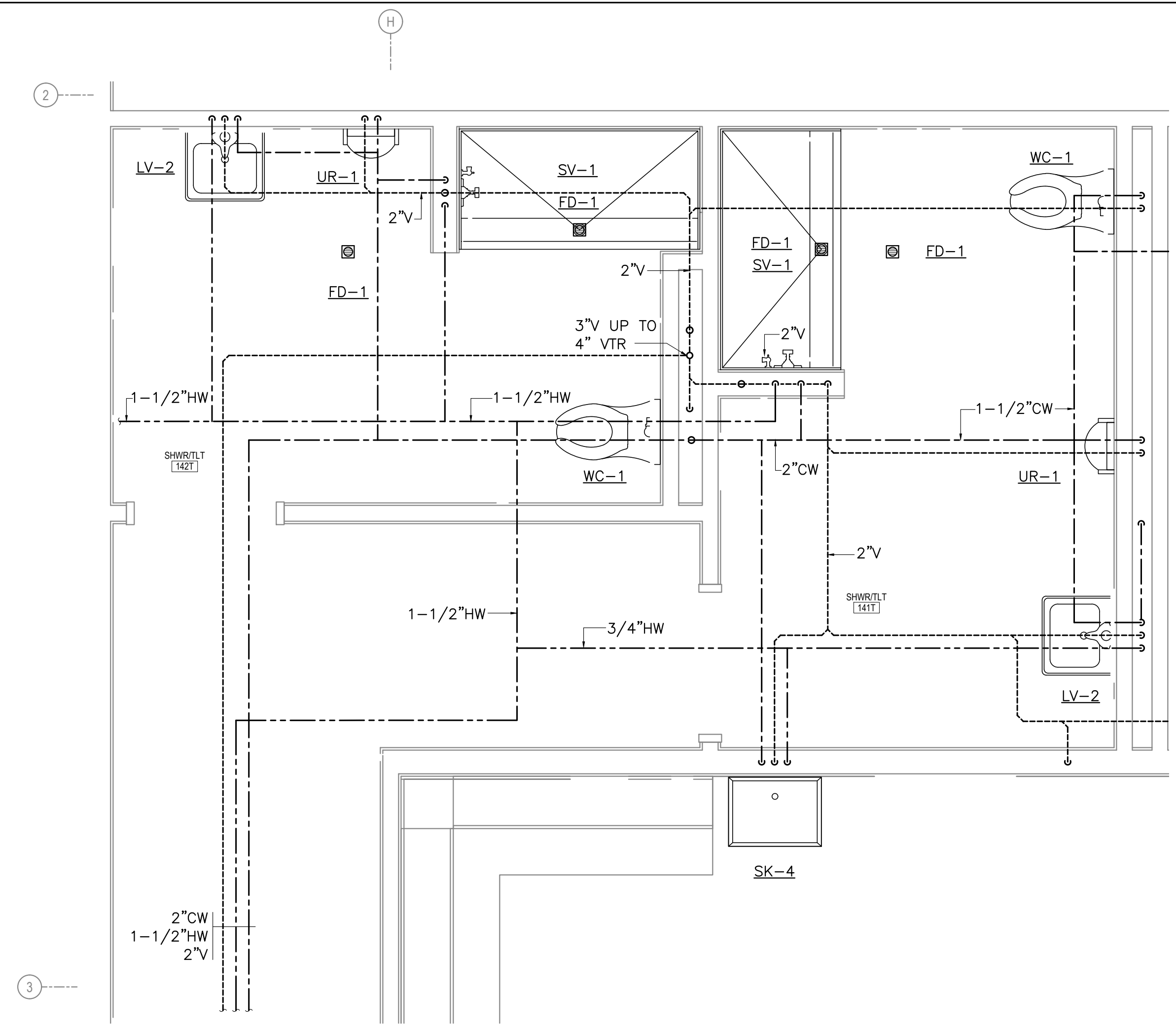
FAN ROOM PLAN  
**M502**

NOT FOR CONSTRUCTION

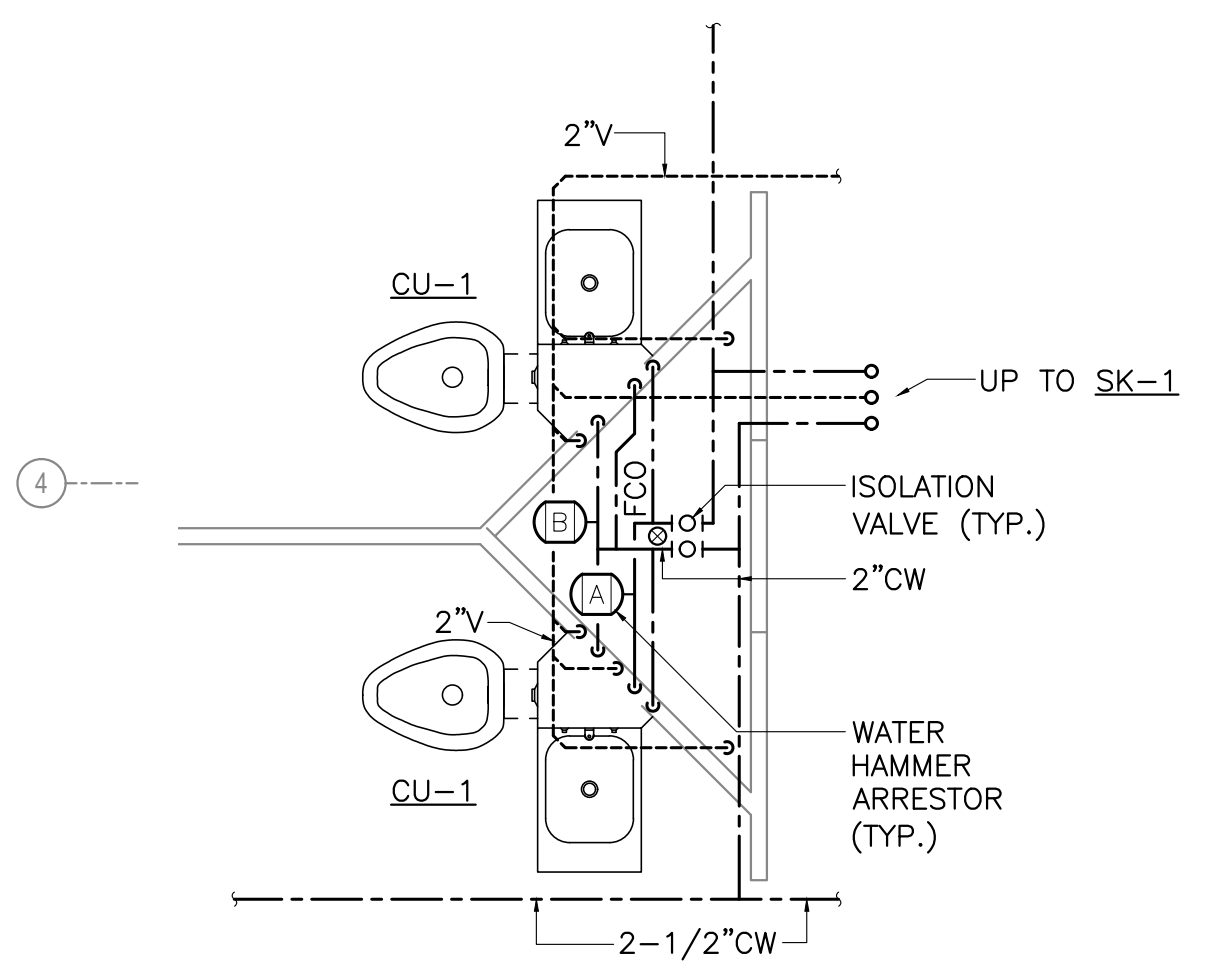
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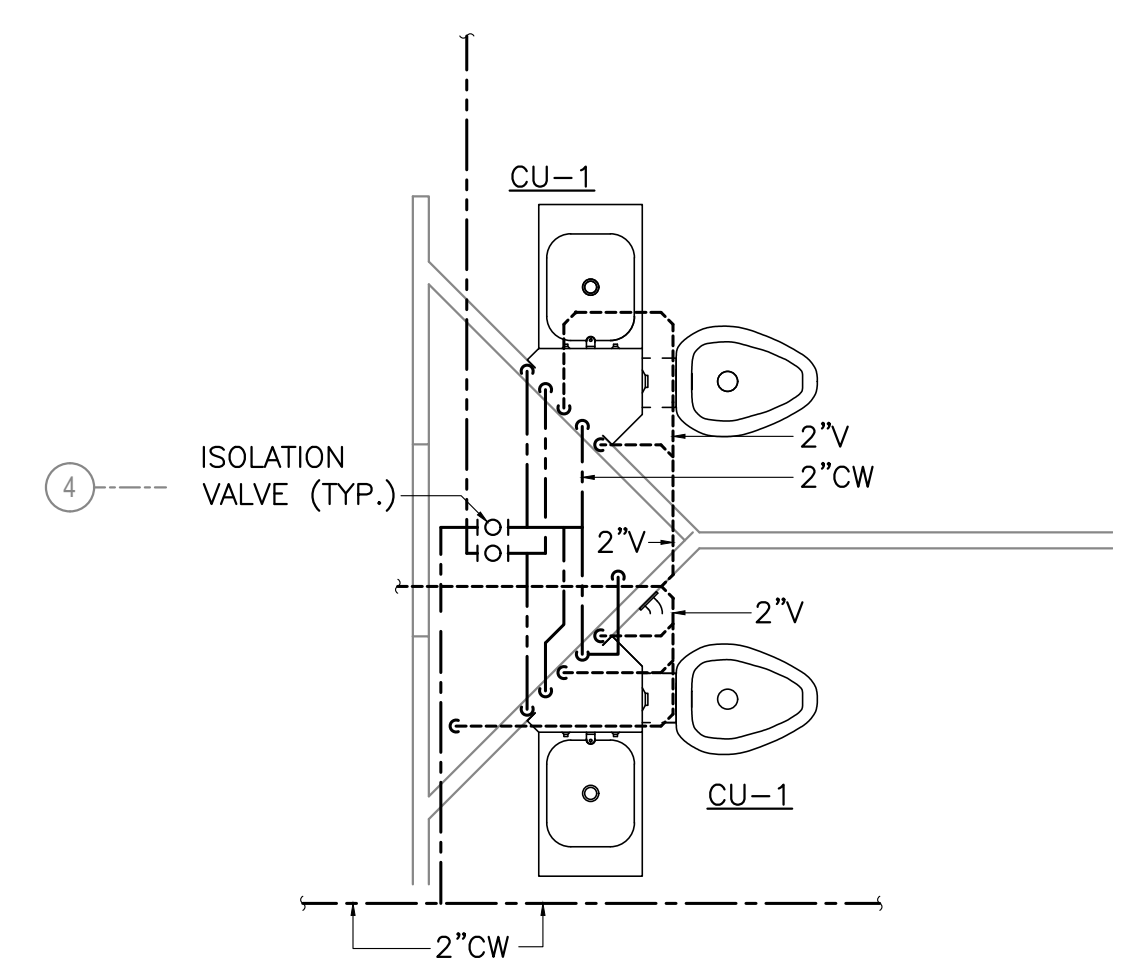
**1** FIRST FLOOR PUBLIC RESTROOMS PLUMBING PLAN  
M503 SCALE: 1/2" = 1'-0"



**2** FIRST FLOOR TOILET/SHOWER PLUMBING PLAN  
M503 SCALE: 1/2" = 1'-0"



**3** HOLDING CELL PLUMBING PLAN 1  
M503 SCALE: 1/2" = 1'-0"



**4** HOLDING CELL PLUMBING PLAN 2  
M503 SCALE: 1/2" = 1'-0"

**SHEET NOTES**

- BRANCH PIPING TO INDIVIDUAL PLUMBING FIXTURES SHALL EQUAL THE SIZE REQUIRED BY THE PLUMBING FIXTURES SCHEDULE UNLESS OTHERWISE INDICATED.
- PROVIDE CLEANOUTS ON ALL INDIVIDUAL SINK, LAVATORY, WASHER BOX, AND DRINKING FOUNTAIN RISERS.
- DO NOT ROUTE ANY PIPING IN EXTERIOR WALLS.
- COORDINATE EXACT LOCATIONS OF ALL FLOOR DRAINS, FLOOR CLEANOUTS, FLOOR SINKS, AND RISERS WITH ARCHITECTURAL, FURNISHINGS, AND EQUIPMENT AS REQUIRED TO AVOID CONFLICTS.

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CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA  
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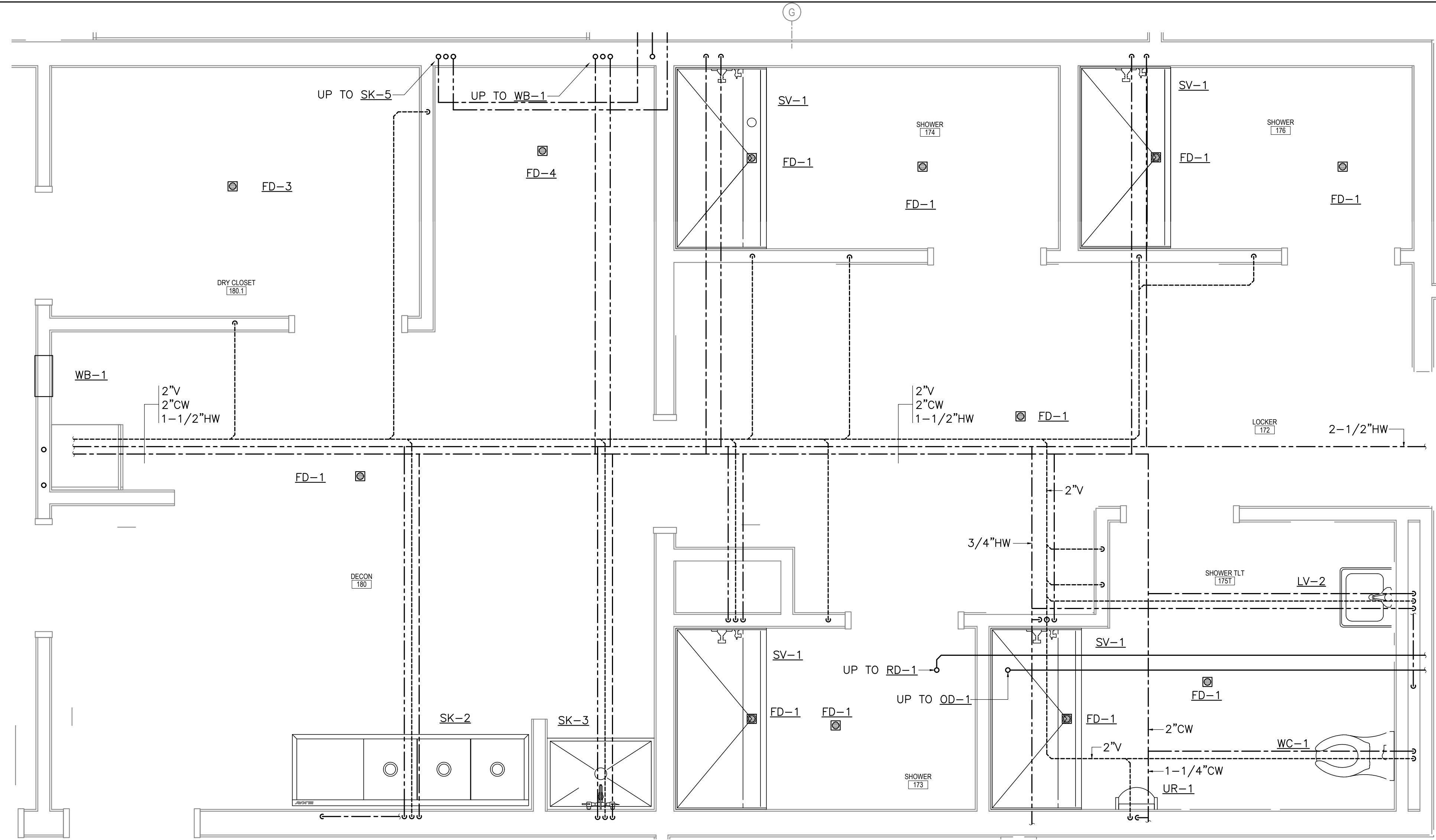
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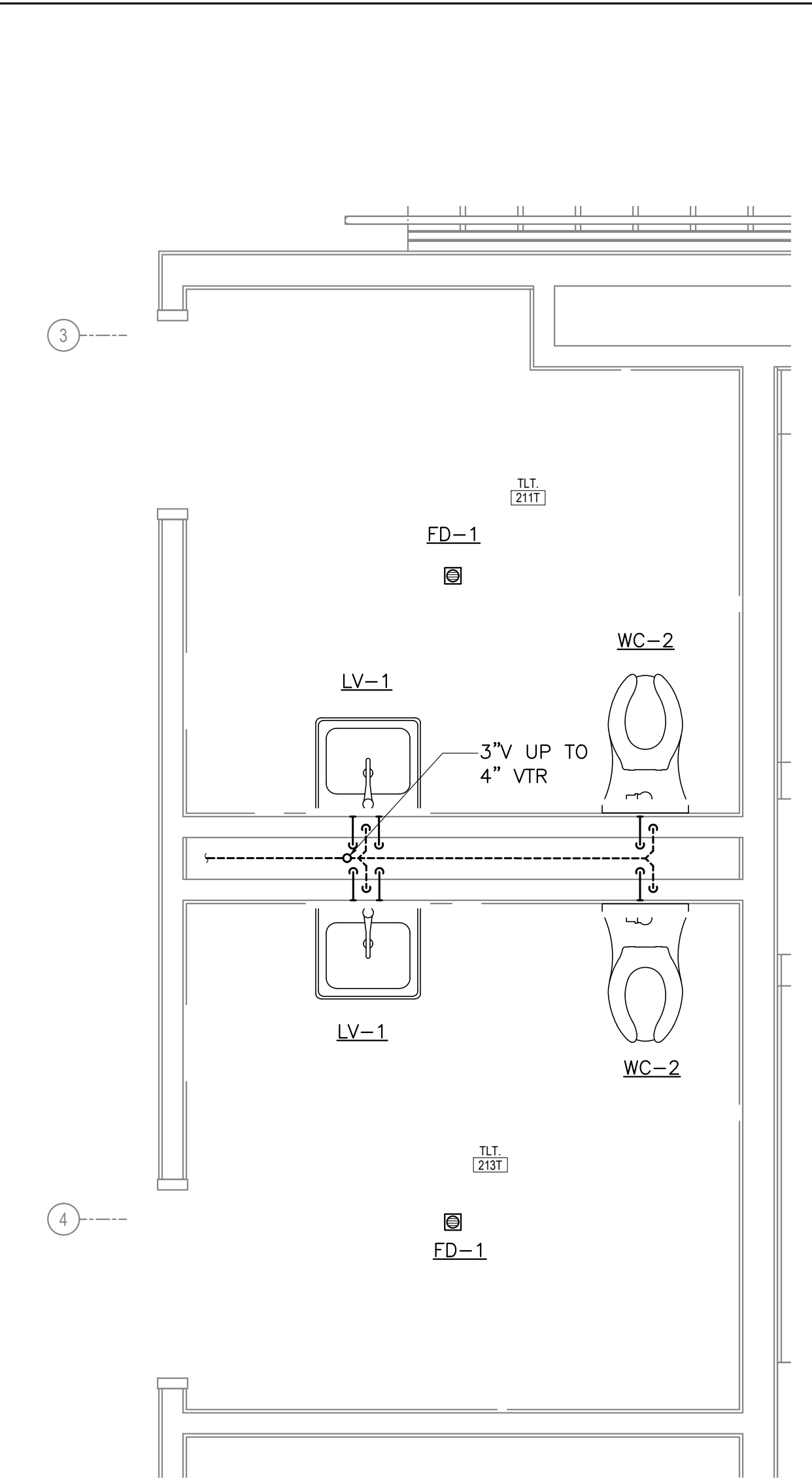
ENLARGED PLUMBING PLANS  
**M503**  
BETTISWORTH NORTH ARCHITECTS & PLANNERS

NOT FOR CONSTRUCTION

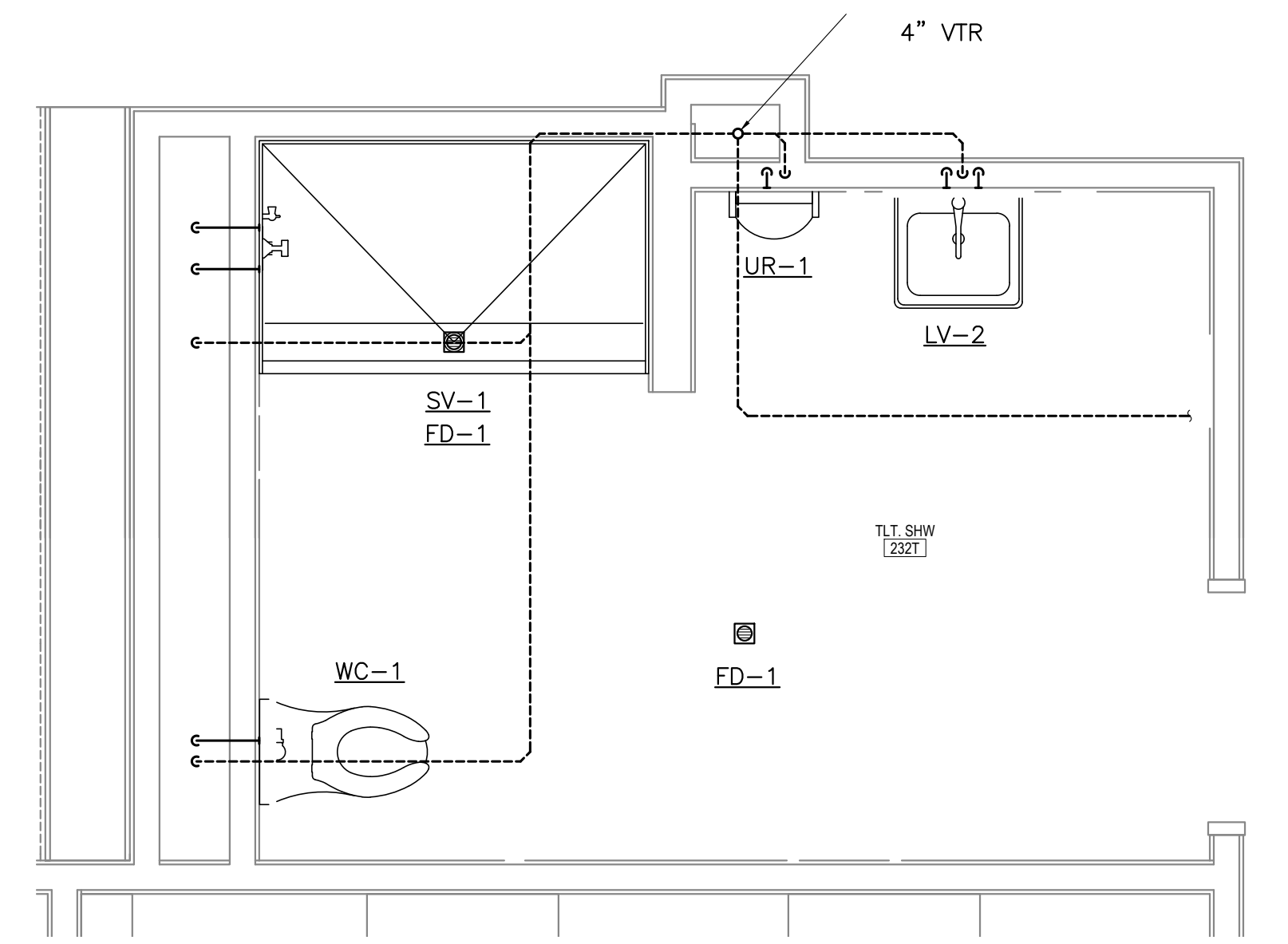
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**1** FIRST FLOOR DECON AND SHOWER ROOMS PLUMBING PLAN  
M504 SCALE: 1/2" = 1'-0"



**2** SECOND FLOOR RESTROOM PLUMBING PLAN  
M504 SCALE: 1/2" = 1'-0"



**3** SECOND FLOOR SHOWER ROOM PLUMBING PLAN  
M504 SCALE: 1/2" = 1'-0"

**SHEET NOTES**

1. BRANCH PIPING TO INDIVIDUAL PLUMBING FIXTURES SHALL EQUAL THE SIZE REQUIRED BY THE PLUMBING FIXTURES SCHEDULE UNLESS OTHERWISE INDICATED.
2. PROVIDE CLEANOUTS ON ALL INDIVIDUAL SINK, LAVATORY, WASHER BOX, AND DRINKING FOUNTAIN RISERS.
3. DO NOT ROUTE ANY PIPING IN EXTERIOR WALLS.
4. COORDINATE EXACT LOCATIONS OF ALL FLOOR DRAINS, FLOOR CLEANOUTS, FLOOR SINKS, AND RISERS WITH ARCHITECTURAL, FURNISHINGS, AND EQUIPMENT AS REQUIRED TO AVOID CONFLICTS.
5. SLOPE RAINLEADER PIPING AT 1/8" PER FOOT.

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ENLARGED PLUMBING PLANS

**M504**

NOT FOR CONSTRUCTION

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1" ACTUAL

ELECTRICAL SYMBOLS LEGEND			
	LIGHT FIXTURE – SURFACE WALL MOUNTED		PANEL
	LIGHT FIXTURE – SURFACE MOUNTED		DUPLEX RECEPTACLE
	LIGHT FIXTURE – RECESSED MOUNTED		GROUND FAULT CURRENT INTERRUPTER RECEPTACLE
	LIGHT FIXTURE – RECESS MOUNTED 2'x4'		QUADRAPLEX RECEPTACLE
	LIGHT FIXTURE – RECESS MOUNTED 1'x4'		SINGLE RECEPTACLE
	LIGHT FIXTURE – SURFACE/PENDANT MOUNTED 4'		SPECIAL PURPOSE RECEPTACLE, CONFIG. AS NOTED
	LIGHT FIXTURE – WALL MOUNTED		JUNCTION BOX
	LIGHT STRIP FIXTURE – SURFACE/PENDANT MOUNTED		FLOOR MOUNTED DEVICE (DUPLEX REC. SHOWN)
	FIXTURE WITH EMERGENCY BACKUP BATTERY		DISCONNECT SWITCH
	EXIT LIGHT – CEILING MOUNTED		FUSED DISCONNECT SWITCH
	EXIT LIGHT – WALL MOUNTED		COMBINATION MOTOR STARTER DISCONNECT
	POLE MOUNTED AREA LIGHT		FRACTIONAL HP MOTOR SWITCH
	EMERGENCY LIGHT WITH BATTERY		MOTOR
	BUILDING WIDE LIGHTING CONTROLS		OVERHEAD DOOR BUTTON (UP/DOWN/STOP)
	CEILING FAN		NITROGEN OXIDE DETECTOR
	FIXTURE IDENTIFICATION (LETTER INDICATES TYPE)		CARBON MONOXIDE DETECTOR
	SINGLE POLE SWITCH		TELEVISION OUTLET
	THREE WAY SWITCH AND FOUR WAY SWITCH		PHOTOCELL
	DIMMER SWITCH (LOW VOLTAGE)		VARIABLE FREQUENCY DRIVE
	WALL MOUNTED OCCUPANCY SENSOR SWITCH		PUSH BUTTON
	OCCUPANCY SENSOR		EMERGENCY SHUTDOWN SWITCH
	CONDUIT, CONCEALED		DOORBELL TRANSFORMER
	NOTE TAG (No. INDICATES NOTE)		DOORBELL
	CLG FIXTURE MOUNTED ON CEILING		HDMI CONNECTIONS
	WEATHERPROOF		TELECOMMUNICATION OUTLET – #=QUANTITY OF JACKS (NO # REQUIRES THREE JACKS, TYPICAL)
	GROUND FAULT CIRCUIT INTERRUPTER		AC ABOVE COUNTER – COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF OUTLETS DENOTED AS ABOVE COUNTER TO BE INSTALLED 6" ABOVE COUNTERS OR BACKSPASHES, WHICHEVER IS HIGHER
	ROOF TOP AIR HANDLING UNIT		BC BELOW COUNTER – COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF OUTLETS DENOTED AS BELOW COUNTER TO BE INSTALLED WITHIN 12" BELOW COUNTERS AND WITHIN 6" FROM THE FRONT OF THE COUNTER EDGE
	FIXTURE WITH EMERGENCY BACKUP BATTERY		
	EXHAUST FAN		
	UNIT HEATER		
	CABINET UNIT HEATER		

### GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN A NEAT AND PROFESSIONAL MANNER USING GOOD ENGINEERING PRACTICES. ALL NEW AND EXISTING WORK MODIFIED BY THIS PROJECT SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, NFPA, INTERNATIONAL BUILDING CODE, AND INTERNATIONAL FIRE CODE INCLUDING ALL STATE AND LOCAL CODES AND AMENDMENTS.
- COORDINATE EXACT LOCATIONS AND REQUIREMENTS OF CIVIL AND MECHANICAL ITEMS PRIOR TO ROUGH-IN. PROVIDE ALL REQUIRED POWER, CONTROLS, AND CONNECTIONS AS NEEDED FOR EQUIPMENT TO OPERATE AS A COMPLETE SYSTEM AS INTENDED AND INDICATED IN THE DRAWINGS, SPECIFICATIONS, AND IN THE MECHANICAL AND CIVIL SEQUENCE OF OPERATIONS.
- COORDINATE WITH GENERAL AND MECHANICAL CONTRACTORS TO ENSURE THAT THE ELECTRICAL DISTRIBUTION EQUIPMENT, PANELS, TRANSFORMER, DISCONNECT, MOTOR STARTERS, VFDS, ETC ARE PROVIDED WITH THE NEC REQUIRED WORKING CLEARANCES AND SPACES. WHERE NECESSARY, PROVIDE STRUCTURAL CHANNEL (UNISTRUT) SUPPORT FOR INSTALLATION.
- COORDINATE EXACT HEIGHTS AND LOCATIONS OF ELECTRICAL DEVICES WITH ARCHITECTURAL, FURNITURE, AND EQUIPMENT DRAWINGS PRIOR TO ROUGH-IN.
- SIZE CONDUCTORS TO PROVIDE MAXIMUM VOLTAGE DROP NOT TO EXCEED 3% IN BRANCH CIRCUITS OR 2% IN FEEDERS. IN GENERAL, FOR A 20 AMP 120V CIRCUIT, MINIMUM WIRE SIZE SHALL BE #12 (CU.) FOR BRANCH CIRCUITS LESS THAN 75', #10 (CU.) FOR CIRCUITS 75' TO 125' AND #8 (CU.) FOR CIRCUITS 125 TO 200'.
- PROVIDE SEISMIC BRACING AND SUPPORT FOR ALL ELECTRICAL EQUIPMENT AS REQUIRED BY THE IBC AND OTHER APPLICABLE CODES. EQUIPMENT TO BE BRACED AND SUPPORTED MAY INCLUDE BUT IS NOT LIMITED TO LIGHTS, PANELS, CONDUIT, ETC.
- THE DESIGNED GENERATOR SYSTEM IS CONSIDERED A LEGALLY REQUIRED STANDBY POWER SYSTEM AND SHALL BE INSTALLED IN COMPLIANCE WITH ARTICLES 445, 701, AND ALL OTHER APPLICABLE ARTICLES OF THE NEC.
- GFCI RECEPTACLES SHALL BE LOCATED IN A READILY ACCESSIBLE LOCATION PER NEC 210.8. IF NOT POSSIBLE, PROVIDE CIRCUITS SUPPLIED BY A 5ma GFCI CIRCUIT BREAKER.
- ALTHOUGH NOT SHOWN, AND UNLESS CONDUCTORS ENTER THE BOX THROUGH A RACEWAY, SWITCH BOXES SHALL INCLUDE A "GROUNDED CONDUCTOR" (NEUTRAL) OF THE CONTROLLED LIGHTING CIRCUIT AS REQUIRED BY NEC 404.2(C).
- CONTRACTOR TO VERIFY ALL FINISHES ON LIGHT FIXTURES WITH ARCHITECT PRIOR TO ORDERING.

### FIRE ALARM NOTE

FIRE ALARM SYSTEMS ARE NOT SHOWN, BUT IS REQUIRED. FIRE DETECTION AND ALARM SYSTEMS ARE TO BE A DESIGN BUILD COMPONENT OF THIS PROJECT, TO BE DESIGNED BY A NICET LEVEL 3 DESIGNER OR HIGHER FOR FIRE MARSHAL REVIEW AND APPROVAL PRIOR TO INSTALLATION. THE CONTRACTOR SHALL PROVIDE DESIGN AND INSTALLATION WITH THE QUANTITY AND LOCATIONS OF DEVICES, WIRING, ETC. AS REQUIRED FOR COMPLIANCE WITH NFPA 72, IBC, IF, GOVERNING CODES INCLUDING LOCAL AMENDMENTS, AND THE LOCAL A.H.J. THE CONTRACTOR SHALL REFERENCE THE ARCHITECTURAL DRAWINGS FOR CEILING TYPES, HEIGHTS, EXTENTS, BEAM LOCATIONS AND DEPTHS, WALL TYPES, INSULATION VALUES, ETC.

### 65% DRAWING NOTE

THE CURRENT DESIGN AS REFLECTED IN THE DRAWINGS HAS NOT BEEN FINALIZED. AS SUCH NOT ALL COMPONENTS, EQUIPMENT, DEVICES, FIXTURES, ETC MAY BE SHOWN. EQUIPMENT QUANTITIES, SIZES, LOCATIONS, ETC MAY CHANGE AS THE DESIGN IS FINALIZED. CURRENT LOADS SHOWN ARE ASSUMED AND HAVE NOT BEEN FINALIZED.

### APPARATUS BAY/ELECTRICAL CLASSIFICATION NOTE

THE DESIGN, AS SHOWN, IS BASED ON THE APPARATUS AND VEHICLE BAYS BEING USED FOR PARKING AND MINOR MAINTENANCE (NO DISPENSING OR DRAINING OF CLASS 1 LIQUIDS AND NO PITS) ONLY. IT IS UNDERSTOOD THAT REPAIR OF VEHICLES WILL NOT OCCUR IN THE APPARATUS BAYS.

- CLASSIFICATION PER NEC 511.3(C) – MINOR REPAIR GARAGE, NO DISPENSING OF FUELS, NO WORK ON LIGHTER THAN AIR FUELED VEHICLES:
- ENTIRE AREA WITHIN A PIT, BELOW GRADE WORK AREA, OR SUBFLOOR WORK AREA THAT IS NOT VENTILATED SHALL BE CONSIDERED TO BE CLASS 1, DIVISION 2.
  - UP TO A LEVEL OF 18" ABOVE THE FLOOR, EXTENDING 3 FEET HORIZONTALLY IN ALL DIRECTIONS FROM OPENING TO ANY PIT, BELOWGRADE WORK AREA, OR SUBFLOOR WORK AREA THAT IS NOT VENTILATED SHALL BE CONSIDERED TO BE CLASS 1, DIVISION 2.
  - ENTIRE SPACE WITH ANY PIT, BELOWGRADE WORK AREA, OR SUBFLOOR WORK AREA THAT IS PROVIDED WITH VENTILATION OF AT LEAST 1 CUBIC FOOT PER MINUTE PER SQUARE FOOT OF FLOOR AREA WITH SUCTION TAKEN FROM A POINT WITHIN 12" OF FLOOR LEVEL SHALL BE CONSIDERED UNCLASSIFIED.
- EQUIPMENT AND APPLIANCES HAVING AN IGNITION SOURCE AND LOCATED IN THE APPARATUS AND VEHICLE BAYS SHALL BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS NOT LESS THAN 18" ABOVE THE FLOOR SURFACE ON WHICH THE EQUIPMENT OR APPLIANCE RESTS.

65% SET  
 NOT FOR  
 CONSTRUCTION

CONSULTANT:

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PROJECT NO: 2022.035.0  
 DATE: 2022-08-25  
 DRAWN BY: JWA  
 CHECKED BY: BAB

REVISION	DESCRIPTION	DATE

ELECTRICAL LEGEND AND GENERAL NOTES

E001

BETTISWORTH NORTH ARCHITECTS & PLANNERS

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

**LIGHTING FIXTURE SCHEDULE**

TYPE	MANUFACTURER AND MODEL NUMBER	DESCRIPTION	LAMP		MOUNTING	
			TYPE	LUMENS	TYPE	HEIGHT
A	LITHONIA #2RTL4-48L-EZ1-LP835-(EL14L)	2' X 4' RECESSED VOLUMETRIC FIXTURE WITH MULTI-VOLT INPUT, DIMMING DRIVER, 3500K COLOR TEMPERATURE, AND EMERGENCY BATTERY WHERE INDICATED	47W LED	5,808	RECESSED	CEILING
B	LITHONIA #RTL4-30L-EZ1-LP835-(EL14L)	1' X 4' RECESSED VOLUMETRIC FIXTURE WITH MULTI-VOLT INPUT, DIMMING DRIVER, 3500K COLOR TEMPERATURE, AND EMERGENCY BATTERY WHERE INDICATED	27W LED	3,113	RECESSED	CEILING
C	LITHONIA #IBL-24L-WD-SD125-LP835-(12412)	LED HIGH BAY FIXTURE WITH SEMI-DIFFUSE ACRYLIC LENS MULTI-VOLT DRIVER, 3500K COLOR TEMPERATURE, EMERGENCY BATTERY WHERE INDICATED. PROVIDE WITH MOUNTING OPTIONS AS REQUIRED.	192W LED	22,554	SUSPENDED	CEILING
D	MARK #S2LWD-LCB-4FT-MSL4-80CRI-35K 600LMF-MIN1-MVOLT-WHT	WALL MOUNTED SLOT FIXTURE WITH SEMI-DIFFUSE ACRYLIC LENS, MULTI-VOLT DIMMING DRIVER, 3500K COLOR TEMPERATURE. PROVIDE WITH MOUNTING OPTIONS AS REQUIRED.	23W LED	2,608	WALL	UNDER STAIRS
F	LITHONIA #WL4-40L-EZ1-LP835-DIM10-(EL14L)	4' SURFACE MOUNT WALL BRACKET WITH LENS, MULTI-VOLT DIMMABLE DRIVER, 3500K COLOR TEMPERATURE, AND EMERGENCY BATTERY WHERE SHOWN.	40W LED	4,124	WALL	+9' U.O.N (VERIFY)
G	AXIS LIGHTING #ARWLED-600-80-35-S-2-W-UNV-DP-1	2 FOOT LED WALL MOUNT FIXTURE WITH SATIN LENS, WHITE FINISH, 3500K, UNIVERSAL VOLTAGE DIMMABLE DRIVER, SINGLE CIRCUIT.	12W LED	1,200	WALL	ABOVE MIRROR OR ABOVE BED (COORD.)
H1	KENALL #AUCLED-I-MW-11L35K-18-277-XX	18 IN. LED UNDER CABINET TASK LIGHT WITH WHITE FINISH, 277V DRIVER, ACCESSORIES AS REQUIRED	15W LED	1,270	SURFACE	UNDER CABINET
H2	KENALL #AUCLED-I-MW-11L35K-24-277-XX	2 FT. LED UNDER CABINET TASK LIGHT WITH WHITE FINISH, 277V DRIVER, ACCESSORIES AS REQUIRED	15W LED	1,317	SURFACE	UNDER CABINET
I	KIRLUN #LRR-07462-1500L-277-D1-30K-WFL-43	7" DIAMETER APERTURE RECESSED SEALED/GASKETED LED DOWNLIGHT WITH WET LOCATION LISTING, RUSTPROOF TRIM AND HOUSING, WHITE TRIM, UNIVERSAL VOLTAGE POWER SUPPLY, 3000K COLOR TEMPERATURE	21W LED	1,514	RECESSED	CEILING
J1	LITHONIA #BLWP4-60L-ADP-EZ1-LP835-(EL14L)	4' ARCHITECTURAL SURFACE VOLUMETRIC WRAP WITH PRISMATIC ACRYLIC LENS, 3500K COLOR TEMPERATURE, AND EMERGENCY BATTERY WHERE INDICATED.	49W LED	6,273	SURFACE	CEILING
J2	LITHONIA #BLWP4-72L-ADP-EZ1-LP835-(EL14L)	4' ARCHITECTURAL SURFACE VOLUMETRIC WRAP WITH PRISMATIC ACRYLIC LENS, 3500K COLOR TEMPERATURE, AND EMERGENCY BATTERY WHERE INDICATED.	59W LED	7,338	SURFACE	CEILING
L	LITHONIA #ZL1N-L48-5000LM-FST-MVOLT-35K-80CRI-(E10WLCF)-WH	4FT. GENERAL PURPOSE LED STRIP LIGHT WITH MEDIUM DIFFUSE LENS, MULTI-VOLT DRIVER, WHITE FINISH, LISTED FOR DAMP LOCATIONS, AND EMERGENCY BATTERY (277V) WHERE INDICATED.	34W LED	4,515	SURFACE OR SUSPENDED	CEILING
M	LITHONIA #DMW2-L24-4000LM-ACL-MD-MVOLT-GZ10-35K-80CRI-(WLFENDX)	2' LED FIXTURE WITH ENCLOSED, GASKETED, IP67 WET LOCATION LISTING, MULTI-VOLT DIMMABLE DRIVER. PROVIDE WITH WET LOCATION FITTINGS WHERE FIXTURE ENDS ARE EXPOSED.	40W LED	4,893	SURFACE	IN ELEV PIT
N	KENALL #SDSA-4-0-45L35K-DCC-DV-SYM B-1-(LEL)	4' CORRECTIONAL SURFACE LED, 14GA CRS HOUSING, PRISMATIC TEMPERED GLASS INNER LENS WITH CLEAR POLYCARBONATE OUTER LENS, TORX HEAD TAMPER RESISTANT SCREWS, UNIVERSAL VOLTAGE DRIVER, AND EMERGENCY BATTERY WHERE INDICATED	46W LED	4,484	SURFACE	CEILING
O	VISA LIGHTING #CP558X-L35K-L35K-MVOLT-WIDE-GLWT-SL-XX	12" WIDE PENDANT WITH BOTTOM MOUNTED DOWNLIGHT, GLACIER WHITE FINISH (VERIFY WITH OWNER), SILVER SPUN LUMICOR DIFFUSER (VERIFY WITH OWNER), AND 3500K COLOR TEMPERATURE. CONTRACTOR TO VERIFY LENGTH OF LED SOURCE AND WHITE OR RGB SOURCE.	67W LED	7,900	PENDANT	VERIFY WITH ARCHITECT
P1	LITHONIA #LDN4SQ-35/10-LS4AR-LSS-MVOLT-GZ10-(E10WCP)	4" SQUARE RECESSED LED DOWNLIGHT WITH 3500K TEMPERATURE, CLEAR TRIM, SEMI-SPECULAR DIFFUSE FINISH, MULTI-VOLT DIMMING DRIVER, AND EMERGENCY BATTERY WHERE INDICATED ON DRAWINGS.	11W LED	863	RECESSED	CEILING
P2	LITHONIA #LDN4SQ-35/30-LS4AR-LSS-MVOLT-GZ10-(E10WCP)	4" SQUARE RECESSED LED DOWNLIGHT WITH 3500K TEMPERATURE, CLEAR TRIM, SEMI-SPECULAR DIFFUSE FINISH, MULTI-VOLT DIMMING DRIVER, AND EMERGENCY BATTERY WHERE INDICATED ON DRAWINGS.	32W LED	2,483	RECESSED	CEILING
Q	FOCAL POINT #FSDL-22-CX-4000L-35K-1C-UNV-LD1-SM-WH	2" DIAMETER LOW PROFILE ROUND SURFACE MOUNT FIXTURE WITH DIRECT DISTRIBUTION, UNIVERSAL VOLT DRIVER, CONVEX LENS, WHITE FINISH, 3500K TEMPERATURE, 0-10V DIMMING DRIVER.	56W LED	4,000	SURFACE	CEILING
R	KIRLUN #LRR-07462-1500L-277-41K-WFL	7" DIAMETER APERTURE RECESSED SEALED AND GASKETED LED DOWNLIGHT WITH WET LOCATION LISTING, SELF-FLANGED WHITE TRIM, 277V POWER SUPPLY, 4100K COLOR TEMPERATURE, AND PRISMATIC LENS	21W LED	1,514	RECESSED	CANOPY
S	LITHONIA #LDN6-35/10-L06AR-LSS-MVOLT-GZ10-(E10WCP)	6" DIAMETER RECESSED LED DOWNLIGHT WITH 3500K TEMPERATURE, CLEAR TRIM, SEMI-SPECULAR FINISH, MULTI-VOLT DIMMING DRIVER, AND EMERGENCY BATTERY WHERE INDICATED	10W LED	950	RECESSED	CEILING
TB	LITHONIA #WST-LED-P2-40K-VW-MVOLT-DBLXD	DECORATIVE TRAPEZOIDAL SHAPED SURFACE MOUNTED LED LUMINAIRE WITH WIDE THROW DISTRIBUTION, P2 PACKAGE, 4000K COLOR TEMPERATURE, MULTI-VOLT DRIVER, BLACK FINISH.	25W LED	3,512	SURFACE	VERIFY WITH ARCH ELEVATIONS
T2	LITHONIA #WST-LED-P2-40K-VF-MVOLT-DBLXD	DECORATIVE TRAPEZOIDAL SHAPED SURFACE MOUNTED LED LUMINAIRE WITH FORWARD THROW DISTRIBUTION, P2 PERFORMANCE PACKAGE, 4000K COLOR TEMPERATURE, MULTI-VOLT DRIVER, BLACK FINISH.	25W LED	3,469	SURFACE	VERIFY WITH ARCH ELEVATIONS
T3	LITHONIA #WST-LED-P1-40K-VF-MVOLT-DBLXD	DECORATIVE TRAPEZOIDAL SHAPED SURFACE MOUNTED LED LUMINAIRE WITH FORWARD THROW DISTRIBUTION, P3 PERFORMANCE PACKAGE, 4000K COLOR TEMPERATURE, MULTI-VOLT DRIVER, BLACK FINISH.	12W LED	1,639	SURFACE	VERIFY WITH ARCH ELEVATIONS
TW	LITHONIA #WST-LED-P2-40K-VW-MVOLT-DWHXD	DECORATIVE TRAPEZOIDAL SHAPED SURFACE MOUNTED LED LUMINAIRE WITH WIDE THROW DISTRIBUTION, P2 PACKAGE, 4000K COLOR TEMPERATURE, MULTI-VOLT DRIVER, WHITE FINISH.	25W LED	3,512	SURFACE	VERIFY WITH ARCH ELEVATIONS

**LIGHTING FIXTURE SCHEDULE (continued)**

TYPE	MANUFACTURER AND MODEL NUMBER	DESCRIPTION	LAMP		MOUNTING	
			TYPE	LUMENS	TYPE	HEIGHT
U1	LITHONIA #DSX1 LED-P2-40K-TFTM-MVOLT-SPA-DBTDX	ARCH. ARM MOUNTED FULL CUTOFF LED AREA LIGHT WITH FORWARD THROW DIST, POLE MNTG BLOCK TO MATCH SHAPE OF POLE, DRILLING PATTERN AS REQUIRED. MULTI VOLT, 700mA DRIVER, BUG RATING = B2, U0, G2. PROVIDE WITH 25' POLE RATED FOR SELECTED FIXTURE WEIGHT & EPA IN WIND SPEEDS WITH 3 SECOND GUSTS AS INDICATED ON STRUCTURAL DRWGS. DARK BRONZE FIXTURE & POLE FINISHES.	70W LED PER HEAD	8,896	POLE	25' POLE AND 3' BASE
U2	LITHONIA #DSX1 LED-P2-40K-T3M-MVOLT-SPA-DBTDX	ARCH. ARM MOUNTED FULL CUTOFF LED AREA LIGHT WITH TYPE III MEDIUM DIST, POLE MNTG BLOCK TO MATCH SHAPE OF POLE, DRILLING PATTERN AS REQUIRED. MULTI VOLT, 700mA DRIVER, BUG RATING = B2, U0, G2. PROVIDE WITH 25' POLE RATED FOR SELECTED FIXTURE WEIGHT & EPA IN WIND SPEEDS WITH 3 SECOND GUSTS AS INDICATED ON STRUCTURAL DRWGS. DARK BRONZE FIXTURE & POLE FINISHES.	70W LED PER HEAD	8,901	POLE	25' POLE AND 3' BASE
U3	LITHONIA #DSX2 LED-P8-40K-TFTM-MVOLT-SPA-DBTDX	ARCH. ARM MOUNTED FULL CUTOFF LED AREA LIGHT WITH FORWARD THROW DIST, POLE MNTG BLOCK TO MATCH SHAPE OF POLE, DRILLING PATTERN AS REQUIRED. MULTI VOLT, 1350mA DRIVER, BUG RATING = B2, U0, G2. PROVIDE WITH 25' POLE RATED FOR SELECTED FIXTURE WEIGHT & EPA IN WIND SPEEDS WITH 3 SECOND GUSTS AS INDICATED ON STRUCTURAL DRWGS. DARK BRONZE FIXTURE & POLE FINISHES.	448W LED PER HEAD	49,168	POLE	25' POLE AND 3' BASE
V	KELVIX #RGBW-3-24V #ULV TYPE DRIVER, DMX DECODER, CHANNEL, LENS, MOUNTING CLIPS, DMX DECODER, AND ALL REQUIRED APPURTANANCES NECESSARY FOR PROPER INSTALLATION AND OPERATION AS INTENDED FOR INSTALLATION AT WAY-FINDING SIGN. PROVIDE IN LENGTHS/CUT TO LENGTH AS REQUIRED. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.	24V FLEXIBLE LINEAR LED LIGHTING, WITH RGBW OUTPUT, 90CRI, 3000K COLOR TEMPERATURE. PROVIDE WITH 120V INPUT POWER SUPPLY, POWER FEED, CHANNEL, LENS, MOUNTING CLIPS, DMX DECODER, AND ALL REQUIRED APPURTANANCES NECESSARY FOR PROPER INSTALLATION AND OPERATION AS INTENDED FOR INSTALLATION AT WAY-FINDING SIGN. PROVIDE IN LENGTHS/CUT TO LENGTH AS REQUIRED. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.	1.9W PER FOOT	250 PER FOOT	SOFFIT	RECESSED
Y	ECOSENSE #F080-15-M0-40-B-20-Z-F-A	STEM MOUNTED LIGHTS TO ILLUMINATE FLAG WHILE FLOWN, 4000K COLOR TEMPERATURE, MULTI-VOLT DRIVER, BRONZE FINISH.	7.5W LED	531	SURFACE	GROUND
E	LITHONIA #AFF-OEL-DWHGXD-UVOLT-LTP-SDRT-WT-CW	COMPACT ARCHITECTURAL EMERGENCY EXTERIOR FLOODLIGHT WITH INTERNAL BATTERY, COLD WEATHER RATED, WIDE THROW OPTICS, WET LOCATION LISTING, -22°F RATED, AND DARK BRONZE HOUSING FINISH.	LED	-	WALL	UNLESS OTHERWISE NOTED 7.5' VERIFY WITH ARCH. DWGS.
	LITHONIA #EDG-X-GMR-EL	SELF CONTAINED EMERGENCY EXIT SIGN WITH BRUSHED ALUMINUM HOUSING, GREEN LETTER COLOR ON MIRROR, MAINTENANCE FREE NICKEL CADMIUM BATTERY. PROVIDE WITH MOUNTING, QUANTITY OF FACES, AND DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS	LED	-	WALL/CEILING	ABOVE DOOR/AS APPROPRIATE
X1	LITHONIA #LQMSW3G-MVOLT-EL N	SELF CONTAINED EMERGENCY EXIT SIGN WITH MAINTENANCE FREE BATTERY. PROVIDE WITH MOUNTING, QUANTITY OF FACES AND DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS.	LED	-	WALL/CEILING	ABOVE DOOR/AS APPROPRIATE
X2	KENDALL #METSU-MW-G-DT-EL	SELF CONTAINED CORRECTION FACILITY EMERGENCY EXIT SIGN WITH MAINTENANCE FREE BATTERY. PROVIDE WITH MOUNTING, QUANTITY OF FACES AND DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS.	LED	-	CEILING	ABOVE DOOR/AS APPROPRIATE

**NOTES TO LIGHTING FIXTURE SCHEDULE:**  
1. WHERE FIXTURES ARE LOCATED IN THE APPARATUS BAYS, THEY ARE TO BE SUSPENDED SO THAT BOTTOM OF FIXTURE MATCHES THE BOTTOM OF STRUCTURAL BEAM OR MECHANICAL EQUIPMENT/DUCTWORK. VERIFY AND COORDINATE EXACT LOCATIONS AND HEIGHTS TO AVOID CONFLICTS WITH BEAMS, OVERHEAD DOORS, MECHANICAL DUCTWORK, ETC. PROVIDE MOUNTING HARDWARE AND SEISMIC BRACING AS REQUIRED.

**LIGHTING CONTROL SCHEDULE**

OS	SYMBOL INDICATES FOR WALL OR CEILING MOUNT OCCUPANCY SENSOR CONTROLS TO BE USED IN CONJUNCTION WITH MANUAL OVERRIDE "ON/OFF" AND DIMMING CONTROLS (WHERE SHOWN), IN ZONES AS INDICATED BY LOWER CASE LETTER. CONTROLS ARE TO BE OF A TYPE, QUANTITY AND LOCATED AS APPROPRIATE FOR COVERAGE AS REQUIRED. UNLESS OTHERWISE NOTED SENSORS ARE TO BE PROGRAMMED FOR MANUAL "ON", AUTO "OFF". WHERE MULTIPLE LOWER CASE LETTERS ARE SHOWN TO BE CONTROLLED BY OCCUPANCY SENSOR CONTROLS, THEY SHALL BE CONTROLLED AS A SINGLE ZONE.
\$os	PROVIDE WALL MOUNT OCCUPANCY SENSOR SWITCH CONTROL. CONTROLS ARE TO BE OF A TYPE, QUANTITY AND LOCATED AS APPROPRIATE FOR COVERAGE AS REQUIRED. SENSORS ARE TO BE PROGRAMMED FOR MANUAL "ON", AUTO "OFF". TO BE USED IN CONJUNCTION WITH AUTOMATIC LIGHTING CONTROLS WHERE INDICATED ON THE DRAWINGS.
\$o	PROVIDE WALL MOUNT "ON/OFF" DIMMING CONTROLS (LINE OR LOW VOLTAGE AS APPROPRIATE). CONTROLS ARE TO BE OF A TYPE, QUANTITY AND LOCATED AS APPROPRIATE FOR CONTROL AS REQUIRED. TO BE USED IN CONJUNCTION WITH AUTOMATIC LIGHTING CONTROLS WHERE INDICATED ON THE DRAWINGS.
\$	MANUAL "ON/OFF" WALL MOUNT SWITCH CONTROLS (LINE OR LOW VOLTAGE AS APPROPRIATE). TO BE USED IN CONJUNCTION WITH AUTOMATIC LIGHTING CONTROLS WHERE INDICATED ON THE DRAWINGS.
\$, \$:	MANUAL "ON/OFF" WALL MOUNT SWITCH CONTROLS (LINE OR LOW VOLTAGE AS APPROPRIATE). TO BE USED IN CONJUNCTION WITH AUTOMATIC LIGHTING CONTROLS WHERE INDICATED ON THE DRAWINGS.
a,b	LOWER CASE LETTER ADJACENT TO SWITCH, OCCUPANCY SENSOR, OR LIGHT FIXTURE INDICATES LIGHTING CONTROL ZONES.

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING VENDOR DESIGN, LAYOUT, PROGRAMMING, AND STARTUP AS NECESSARY FOR LIGHTING CONTROLS AS INDICATED AND INTENDED FOR PROPER OPERATION. LIGHTING CONTROLS SHALL BE SELECTED, PROVIDED, CONNECTED, AND PROGRAMMED TO PROVIDE ADEQUATE CONTROL AND COVERAGE OF THE SPACES CONTROLLED.



65% SET NOT FOR CONSTRUCTION

**HAINES BOROUGH**  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
**HAINES, ALASKA**

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AK Corporation #: AKCL881

PROJECT NO:	2022.035.0
DATE:	2022-08-25
DRAWN BY:	JWA
CHECKED BY:	BAB

REVISION	DESCRIPTION	DATE

LIGHTING FIXTURE SCHEDULE

**E002**

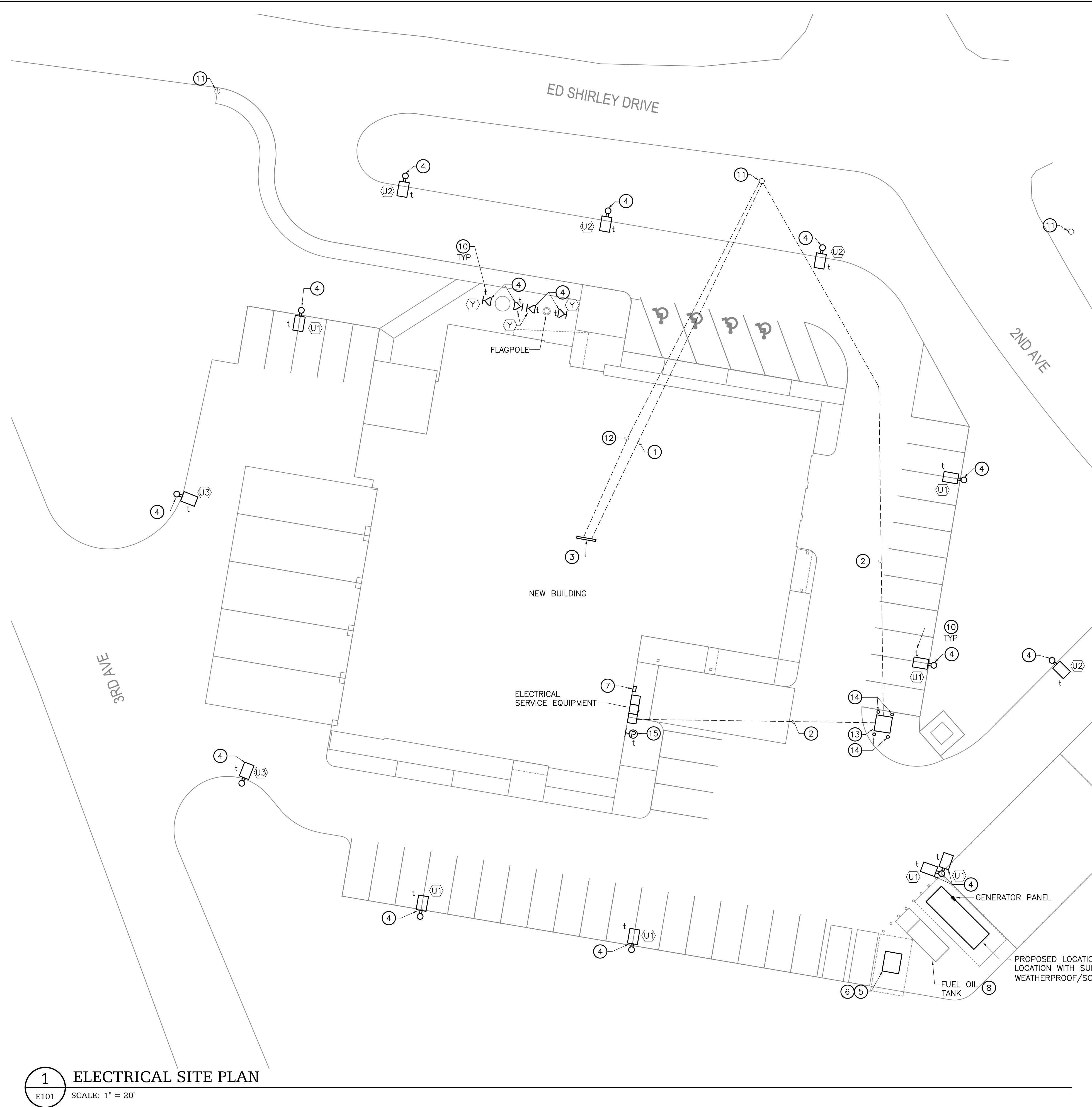
NOT FOR CONSTRUCTION

BETTISWORTH NORTH ARCHITECTS & PLANNERS

65% PRICING SET

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

1" ACTUAL



**1** ELECTRICAL SITE PLAN  
E101 SCALE: 1" = 20'

**GENERAL NOTES**

1. SIZE CONDUCTORS TO PROVIDE MAXIMUM VOLTAGE DROP NOT TO EXCEED 3% IN BRANCH CIRCUITS AND 2% IN FEEDERS. IN GENERAL, FOR A 20 AMP 120V CIRCUIT, MINIMUM WIRE SIZE SHALL BE #12 (CU.) FOR BRANCH CIRCUITS LESS THAN 75', #10 (CU.) FOR CIRCUITS 75' TO 125' AND #8 (CU.) FOR CIRCUITS 125 TO 200'.
2. PROVIDE SEISMIC BRACING AND SUPPORT FOR ELECTRICAL EQUIPMENT WHERE REQUIRED BY THE IBC AND OTHER APPLICABLE CODES.
3. BATTERY CHARGER, BLOCK HEATER, OIL TANK HEATER, BATTERY HEATER, AND CONTROL HEATER (VERIFY) WIRED TO GENERATOR PANEL.
4. PROVIDE GENERATOR SHUTDOWN CONTROLS AS REQUIRED BY AND IN COMPLIANCE WITH NEC 445.18B. COORDINATE EXACT LOCATION. PROVIDE SIGNAGE AT THE ELECTRICAL SERVICE IDENTIFYING THE LOCATION OF THE SHUTDOWN CONTROLS.

**SHEET NOTES**

INDICATED BY: (#)

1. THE CONTRACTOR SHALL COORDINATE WITH HAINES CABLE TELEVISION AND SHALL INSTALL ONE 2" CONDUIT WITH PULL STRING FROM INTERIOR MAIN TELEPHONE BACKBOARD TO THE EXISTING UTILITY POLE. LOCATION SHOWN IS ASSUMED, THE CONTRACTOR WILL NEED TO COORDINATE EXACT LOCATION, ROUTING AND REQUIREMENTS WITH THE CABLE TELEVISION COMPANY.
2. COORDINATE WITH AP&T FOR THE INSTALLATION OF THE NEW UNDERGROUND ELECTRICAL POWER TO THE NEW FACILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCHING AND BACKFILL. AP&T WILL PROVIDE AND INSTALL CONDUIT, WIRING, AND TRANSFORMER. LOCATIONS AND ROUTING SHOWN IS ASSUMED, THE CONTRACTOR WILL NEED TO COORDINATE EXACT LOCATION, ROUTING AND REQUIREMENTS WITH THE UTILITY COMPANY.
3. PROPOSED LOCATION OF TELECOMMUNICATION BACKBOARD ON SECOND FLOOR. BACKBOARD SHALL COMPLY WITH UTILITY REQUIREMENTS.
4. LIGHT FIXTURES TO BE CONTROLLED BY EXTERIOR LIGHTING CONTROL PHOTOCELL.
5. CONTRACTOR TO PROVIDE AND INSTALL CONCRETE PAD SUITABLE FOR MOUNTING OF THE GENERATOR AND LOAD BANK. COORDINATE WITH OWNER AND GENERATOR MANUFACTURER FOR SPECIFIC REQUIREMENTS.
6. PROPOSED LOCATION OF NEW FREE-STANDING OUTDOOR LOAD BANK WITH ARCTIC GRADE PACKAGE AND AUTOMATIC LOAD STEP. PROVIDE POWER CONNECTIONS FOR CONTROLS AND HEATER, IF APPLICABLE. PROVIDE CONTROL CONNECTIONS AS REQUIRED FOR INTENDED OPERATION.
7. PROPOSED LOCATION OF NEW GENERATOR SHUNT TRIP DISCONNECT.
8. PROVIDE CONDUIT AND CONTROL CONNECTIONS BETWEEN FUEL OIL TANK SOLENOID VALVE AND GENERATOR FUEL PUMPS TO PREVENT SIPHON FLOW. COORDINATE WITH MECHANICAL CONTRACTOR AND EQUIPMENT SUPPLIERS FOR REQUIREMENTS.
9. PROVIDE MONITORING POINTS AND CONNECTIONS FOR HIGH/LOW FUEL CONDITIONS IN GENERATOR SUB-BASE TANK. CONNECT TO AUTODIALER/MONITORING SYSTEM (SENSAPHONE OR EQUAL).
10. LOWER CASE LETTER INDICATES LIGHT FIXTURE SWITCHING CONTROL CORRESPONDING TO PHOTOCELL CONTROLS, TYPICAL OF ALL. REFERENCE SHEET E202 FOR PHOTOCELL CONTROLS.
11. APPROXIMATE LOCATION OF EXISTING UTILITY POLE.
12. THE CONTRACTOR SHALL COORDINATE WITH AP&T TELECOMMUNICATIONS AND SHALL INSTALL ONE 2" CONDUIT WITH PULL STRING FROM INTERIOR MAIN TELEPHONE BACKBOARD TO THE EXISTING UTILITY POLE. LOCATIONS AND ROUTING SHOWN IS ASSUMED, THE CONTRACTOR WILL NEED TO COORDINATE EXACT LOCATION, ROUTING AND REQUIREMENTS WITH THE TELECOMMUNICATIONS COMPANY.
13. PROPOSED LOCATION OF NEW UTILITY TRANSFORMER. COORDINATE WITH UTILITY PROVIDER FOR EXACT LOCATION.
14. COORDINATE WITH CIVIL FOR THE PLACING OF BOLLARDS FOR PROTECTION AS REQUIRED BY THE UTILITY.
15. PHOTOCELL SHOWN FOR REFERENCE ONLY. REFER TO SHEET E202 FOR MORE INFORMATION.

65% SET  
NOT FOR  
CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND  
TRAINING CENTER**  
HAINES, ALASKA  
65% PRICING SET

CONSULTANT:  
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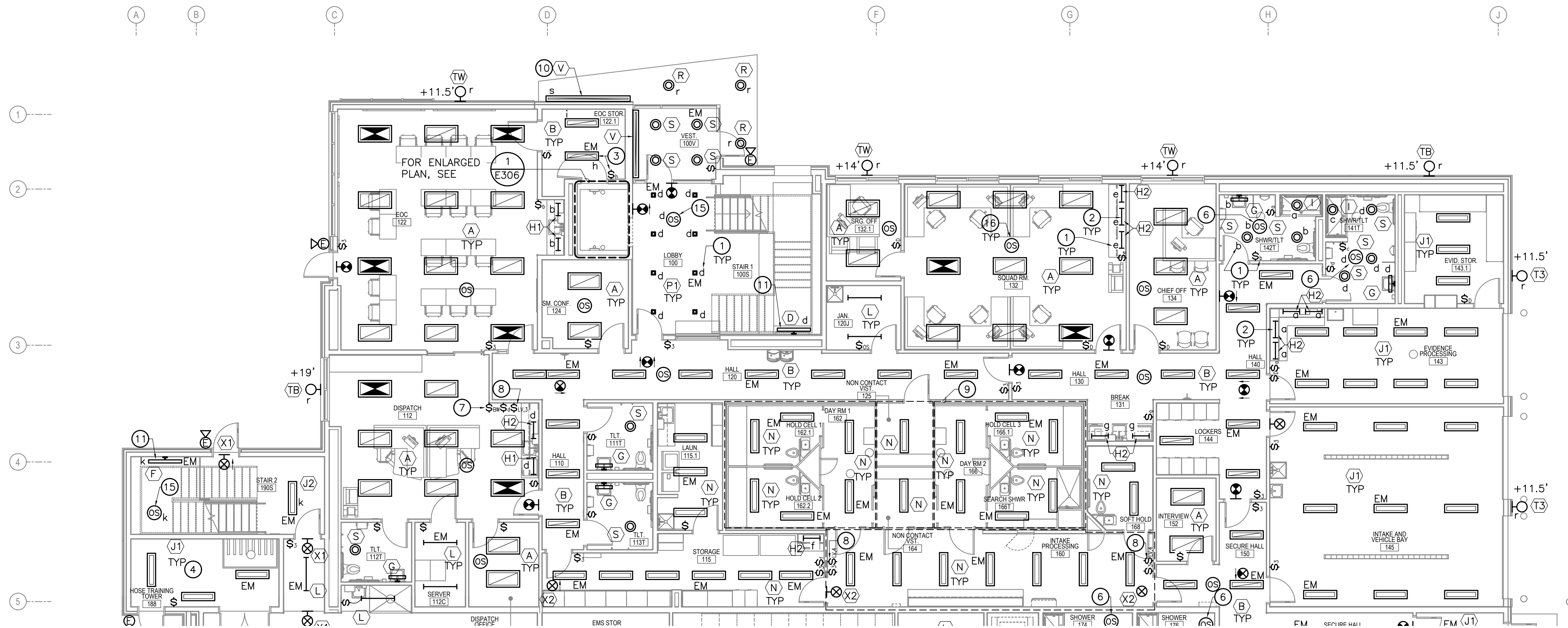
PROJECT NO:	2022.035.0
DATE:	2022-08-25
DRAWN BY:	JWA
CHECKED BY:	BAB

REVISION	DESCRIPTION	DATE

ELECTRICAL SITE PLAN  
**E101**

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES



**1 FIRST FLOOR LIGHTING PLAN - AREA A**

E201 SCALE: 1/8" = 1'-0"

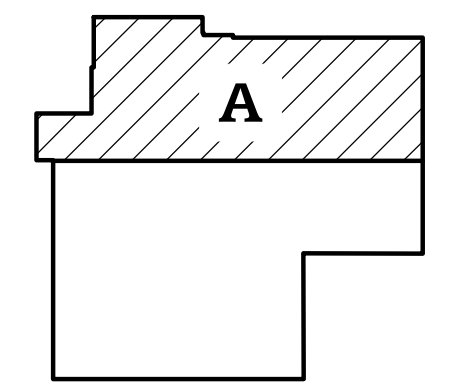
**GENERAL NOTES**

- ALL ELECTRICAL BOXES PENETRATING VAPOR RETARDERS SHALL BE SEALED, INCLUDING ALL OPENINGS IN SIDES AND BACK OF BOXES.
- CONNECT EMERGENCY LIGHT BATTERIES AND EXIT SIGNAGE TO UNSWITCHED LEG OF LOCAL AREA LIGHTING BRANCH CIRCUIT, UNLESS NOTED OTHERWISE.
- PROVIDE SEISMIC BRACING AND SUPPORT FOR ALL ELECTRICAL LIGHTS AS REQUIRED BY THE IBC AND OTHER APPLICABLE CODES.
- COORDINATE THE MOUNTING OF ALL LIGHT FIXTURES TO AVOID CONFLICTS WITH BUILDING ARCHITECTURAL AND STRUCTURAL COMPONENTS, MECHANICAL PIPING, DUCTWORK, OVERHEAD DOORS, ETC.
- WIRING TO LOW VOLTAGE SWITCHING CONTROL IS NOT SHOWN IN THIS DRAWING. 0-10V DIMMING CONTROL WIRING IS NOT SHOWN IN THIS DRAWING. PROVIDE CONNECTIONS AS REQUIRED AND RECOMMENDED BY LIGHTING CONTROL MANUFACTURER, TYPICAL OF ALL SHOWN FOR PROPOSED TYPES AND STANDARD MANUFACTURER CONNECTION DETAILS.
- INSTALL WALL AND CEILING MOUNTED OCCUPANCY SENSORS WITH 24V POWER/SWITCH PACKS WIRED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. INSTALL POWER SWITCH PACKS AHEAD OF ROOM WALL SWITCHES.
- LIGHTING IN EACH HALLWAY IS TO BE CONTROLLED AS ONE ZONE BY OCCUPANCY SENSORS. DETECTION OF ANY ONE OCCUPANCY SENSOR SHALL ILLUMINATE ALL FIXTURES IN THAT PARTICULAR HALL. PROVIDE ADDITIONAL POWER PACKS AND PROVIDE CONNECTIONS AS INDICATED BY MANUFACTURER'S WIRING DIAGRAMS.
- REFERENCE DIVISION 08 OF THE SPECIFICATION FOR REQUIREMENTS FOR ALL SCREWS (TO BE SECURITY SCREWS) TO BE USED FOR ALL ELECTRICAL DEVICES, LIGHTING FIXTURES, COVER PLATES, ETC. WHERE LOCATED WITHIN THE DETENTION AREAS (HOLDING CELLS, DAYROOMS, NON-CONTACT VISIT 1).
- ALTHOUGH NOT SHOWN, AND UNLESS CONDUCTORS ENTER THE BOX THROUGH A RACEWAY, SWITCH BOXES SHALL INCLUDE A "GROUNDED CONDUCTOR" (NEUTRAL) OF THE CONTROLLED LIGHTING CIRCUIT AS REQUIRED BY NEC 404.2(C).
- CONTRACTOR TO VERIFY LOCATIONS OF ALL NEW SWITCHES WITH TENANT PRIOR TO ROUGH-IN.

**SHEET NOTES**

INDICATED BY: ④

- THE FOLLOWING SHEET NOTES ARE A COMPREHENSIVE LIST APPLYING TO SHEETS E201 AND E202. NOT ALL NOTES APPLY TO EVERY SHEET.
- LOWER CASE LETTER INDICATES LIGHT FIXTURE SWITCHING CONTROL CORRESPONDING TO CONTROLS LOCATED ON WALL AND CEILING, TYPICAL OF ALL.
- INSTALL UNDER CABINET LIGHTING HIDDEN ON UNDERSIDE OF UPPER CABINETS. COORDINATE WITH CABINERY INSTALLER AND ARCHITECTURAL DRAWINGS FOR MOUNTING. TYPICAL OF ALL.
- LIGHT FIXTURE WITH SWITCH AS REQUIRED TO ILLUMINATE ELEVATOR CONTROL/MACHINE SPACE. COORDINATE SWITCH LOCATION WITH ELEVATOR REQUIREMENTS.
- COORDINATE LOCATION OF LIGHT FIXTURES TO AVOID CONFLICT IN HOSE TRAINING TOWER WITH OPENINGS IN CEILING ABOVE.
- FIXTURES TO BE SUSPENDED IN BUNKER STORAGE ROOM AT 9' A.F.F. (CONTRACTOR TO VERIFY).
- THIS OCCUPANCY SENSOR IS TO COME WITH HIGH HUMIDITY OPTION.
- PROPOSED LOCATION OF BUILDING WIDE GRAPHIC LIGHTING NETWORK CONTROL TOUCH PAD & ETHERNET CONNECTION.
- PROPOSED LOCATION OF 3&4 ZONE LIGHT SWITCHES FOR CONTROL OF DETENTION AREA LIGHTING ZONES.
- DASHED OUTLINE SHOWS SEPARATE LIGHTING CONTROL ZONES IN THE DETENTION AREA, TYPICAL.
- FIXTURES TO BE MOUNTED RECESSED ON UNDER SIDE OF CANOPY. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
- COORDINATE EXACT LOCATION OF LIGHT FIXTURE WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN. IT IS THE INTENT TO MOUNT LIGHT FIXTURE ON WALL AS HIGH AS POSSIBLE AT BOTTOM OF STAIRS.
- FIXTURES TO BE MOUNTED RECESSED ON UNDER SIDE OF COVE. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
- CONTRACTOR TO PROVIDE POWER CONNECTIONS TO WALK-IN MORGUE COOLER LIGHTING AND ASSOCIATED SWITCHING CONTROL (PILOT LIGHT SWITCH). COORDINATE LOCATIONS AND REQUIREMENTS WITH COOLER EQUIPMENT MANUFACTURER TO AVOID ANY CONFLICTS WITH COOLER EQUIPMENT. PROVIDE VAPOR PROOF LIGHTING IF REQUIRED.
- PILOT LIGHT SWITCH FOR CONTROL OF MORGUE COOLER LIGHTS.
- LIGHTS CONTROLLED BY OCCUPANCY SENSORS IN THE STAIRWELL AREA ARE TO PROVIDE 100% LIGHT OUTPUT WHEN OCCUPANCY IS DETECTED AND DROP TO 50% LIGHT OUTPUT WHEN OCCUPANCY IS NOT DETECTED.
- INDICATES OCCUPANCY SENSORS ARE TO CONTROL THE LIGHTING IN THIS AREA. TYPE, QUANTITY, AND LOCATION OF OCCUPANCY SENSORS FOR CONTROL OF EACH AREA'S LIGHTING IS TO BE DESIGNED BY CONTRACTOR'S VENDOR. TYPICAL OF ALL.



**KEYPLAN**



65% SET  
 NOT FOR  
 CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
 HAINES, ALASKA

65% PRICING SET

CONSULTANT:

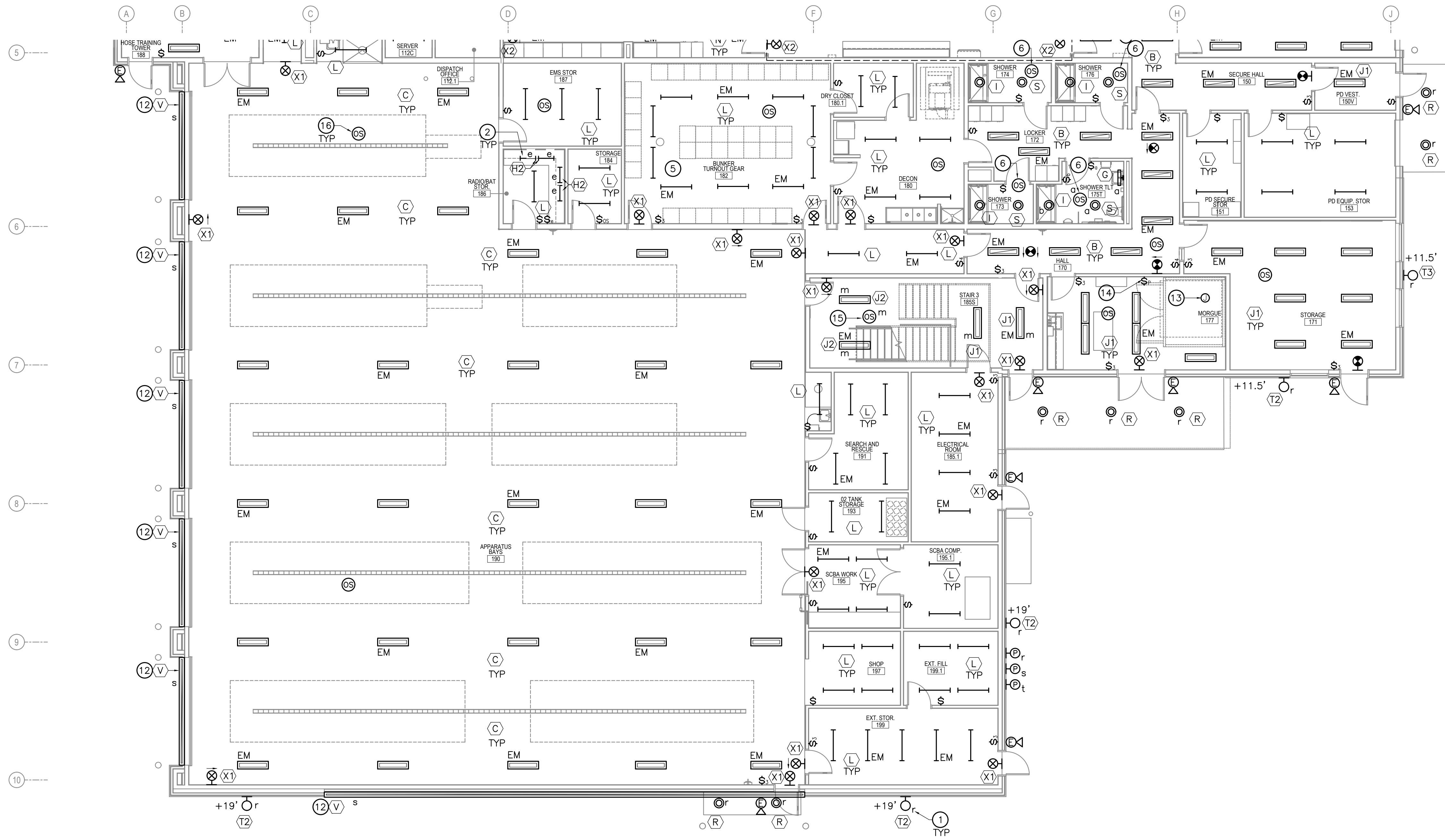
HZA  
 ENGINEERING SOLUTIONS  
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 Anchorage, Alaska 99509  
 Tel. (907) 562-1012 Fax (907) 562-1013  
 AK Corporation #: AKCL881

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DATE:	2022-08-25	
DRAWN BY:	JWA	
CHECKED BY:	BAB	
REVISION	DESCRIPTION	DATE

FIRST FLOOR  
 LIGHTING PLAN  
 AREA A  
**E201**

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES



**1 FIRST FLOOR LIGHTING PLAN - AREA B**

E202 SCALE: 1/8" = 1'-0"

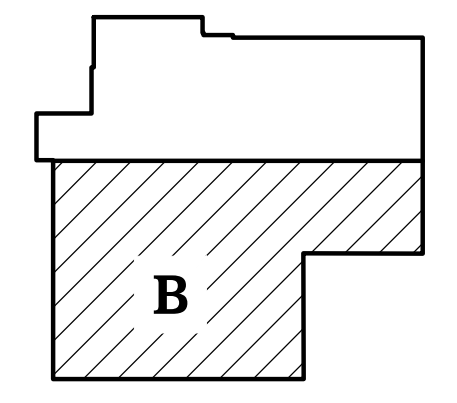
**GENERAL NOTES**

- ALL ELECTRICAL BOXES PENETRATING VAPOR RETARDERS SHALL BE SEALED, INCLUDING ALL OPENINGS IN SIDES AND BACK OF BOXES.
- CONNECT EMERGENCY LIGHT BATTERIES AND EXIT SIGNAGE TO UNSWITCHED LEG OF LOCAL AREA LIGHTING BRANCH CIRCUIT, UNLESS NOTED OTHERWISE.
- PROVIDE SEISMIC BRACING AND SUPPORT FOR ALL ELECTRICAL LIGHTS AS REQUIRED BY THE IBC AND OTHER APPLICABLE CODES.
- COORDINATE THE MOUNTING OF ALL LIGHT FIXTURES TO AVOID CONFLICTS WITH BUILDING ARCHITECTURAL AND STRUCTURAL COMPONENTS, MECHANICAL PIPING, DUCTWORK, OVERHEAD DOORS, ETC.
- WIRING TO LOW VOLTAGE SWITCHING CONTROL IS NOT SHOWN IN THIS DRAWING. 0-10V DIMMING CONTROL WIRING IS NOT SHOWN IN THIS DRAWING. PROVIDE CONNECTIONS AS REQUIRED AND RECOMMENDED BY LIGHTING CONTROL MANUFACTURER, TYPICAL OF ALL SHOWN FOR PROPOSED TYPES AND STANDARD MANUFACTURER CONNECTION DETAILS.
- INSTALL WALL AND CEILING MOUNTED OCCUPANCY SENSORS WITH 24V POWER/SWITCH PACKS WIRED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. INSTALL POWER SWITCH PACKS AHEAD OF ROOM WALL SWITCHES.
- LIGHTING IN EACH HALLWAY IS TO BE CONTROLLED AS ONE ZONE BY OCCUPANCY SENSORS. DETECTION OF ANY ONE OCCUPANCY SENSOR SHALL ILLUMINATE ALL FIXTURES IN THAT PARTICULAR HALL. PROVIDE ADDITIONAL POWER PACKS AND PROVIDE CONNECTIONS AS INDICATED BY MANUFACTURER'S WIRING DIAGRAMS.
- REFERENCE DIVISION 08 OF THE SPECIFICATION FOR REQUIREMENTS FOR ALL SCREWS (TO BE SECURITY SCREWS) TO BE USED FOR ALL ELECTRICAL DEVICES, LIGHTING FIXTURES, COVER PLATES, ETC. WHERE LOCATED WITHIN THE DETENTION AREAS (HOLDING CELLS, DAYROOMS, NON-CONTACT VISIT 1).
- ALTHOUGH NOT SHOWN, AND UNLESS CONDUCTORS ENTER THE BOX THROUGH A RACEWAY, SWITCH BOXES SHALL INCLUDE A "GROUNDED CONDUCTOR" (NEUTRAL) OF THE CONTROLLED LIGHTING CIRCUIT AS REQUIRED BY NEC 404.2(C).
- CONTRACTOR TO VERIFY LOCATIONS OF ALL NEW SWITCHES WITH TENANT PRIOR TO ROUGH-IN.

**SHEET NOTES**

INDICATED BY: (f)

- THE FOLLOWING SHEET NOTES ARE A COMPREHENSIVE LIST APPLYING TO SHEETS E201 AND E202. NOT ALL NOTES APPLY TO EVERY SHEET.
- LOWER CASE LETTER INDICATES LIGHT FIXTURE SWITCHING CONTROL CORRESPONDING TO CONTROLS LOCATED ON WALL AND CEILING, TYPICAL OF ALL.
  - INSTALL UNDER CABINET LIGHTING HIDDEN ON UNDERSIDE OF UPPER CABINETS. COORDINATE WITH CABINETRY INSTALLER AND ARCHITECTURAL DRAWINGS FOR MOUNTING. TYPICAL OF ALL.
  - LIGHT FIXTURE WITH SWITCH AS REQUIRED TO ILLUMINATE ELEVATOR CONTROL/MACHINE SPACE. COORDINATE SWITCH LOCATION WITH ELEVATOR REQUIREMENTS.
  - COORDINATE LOCATION OF LIGHT FIXTURES TO AVOID CONFLICT IN HOSE TRAINING TOWER WITH OPENINGS IN CEILING ABOVE.
  - FIXTURES TO BE SUSPENDED IN BUNKER STORAGE ROOM AT 9' A.F.F. (CONTRACTOR TO VERIFY).
  - THIS OCCUPANCY SENSOR IS TO COME WITH HIGH HUMIDITY OPTION.
  - PROPOSED LOCATION OF BUILDING WIDE GRAPHIC LIGHTING NETWORK CONTROL TOUCH PAD & ETHERNET CONNECTION.
  - PROPOSED LOCATION OF 3&4 ZONE LIGHT SWITCHES FOR CONTROL OF DETENTION AREA LIGHTING ZONES.
  - DASHED OUTLINE SHOWS SEPARATE LIGHTING CONTROL ZONES IN THE DETENTION AREA, TYPICAL.
  - FIXTURES TO BE MOUNTED RECESSED ON UNDER SIDE OF CANOPY. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
  - COORDINATE EXACT LOCATION OF LIGHT FIXTURE WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN. IT IS THE INTENT TO MOUNT LIGHT FIXTURE ON WALL AS HIGH AS POSSIBLE AT BOTTOM OF STAIRS.
  - FIXTURES TO BE MOUNTED RECESSED ON UNDER SIDE OF COVE. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
  - CONTRACTOR TO PROVIDE POWER CONNECTIONS TO WALK-IN MORGUE COOLER LIGHTING AND ASSOCIATED SWITCHING CONTROL (PILOT LIGHT SWITCH). COORDINATE LOCATIONS AND REQUIREMENTS WITH COOLER EQUIPMENT MANUFACTURER TO AVOID ANY CONFLICTS WITH COOLER EQUIPMENT. PROVIDE VAPOR PROOF LIGHTING IF REQUIRED.
  - LIGHTS CONTROLLED BY OCCUPANCY SENSORS IN THE STAIRWELL AREA ARE TO PROVIDE 100% LIGHT OUTPUT WHEN OCCUPANCY IS DETECTED AND DROP TO 50% LIGHT OUTPUT WHEN OCCUPANCY IS NOT DETECTED.
  - INDICATES OCCUPANCY SENSORS ARE TO CONTROL THE LIGHTING IN THIS AREA. TYPE, QUANTITY, AND LOCATION OF OCCUPANCY SENSORS FOR CONTROL OF EACH AREA'S LIGHTING IS TO BE DESIGNED BY CONTRACTOR'S VENDOR. TYPICAL OF ALL.



**KEYPLAN**



65% SET  
NOT FOR  
CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA

65% PRICING SET

CONSULTANT:

HZA Engineering, LLC  
113 W. Northern Lights Blvd., Suite 240  
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AK Corporation #: AKCL881

PROJECT NO:	2022.035.0
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DRAWN BY:	JWA
CHECKED BY:	BAB

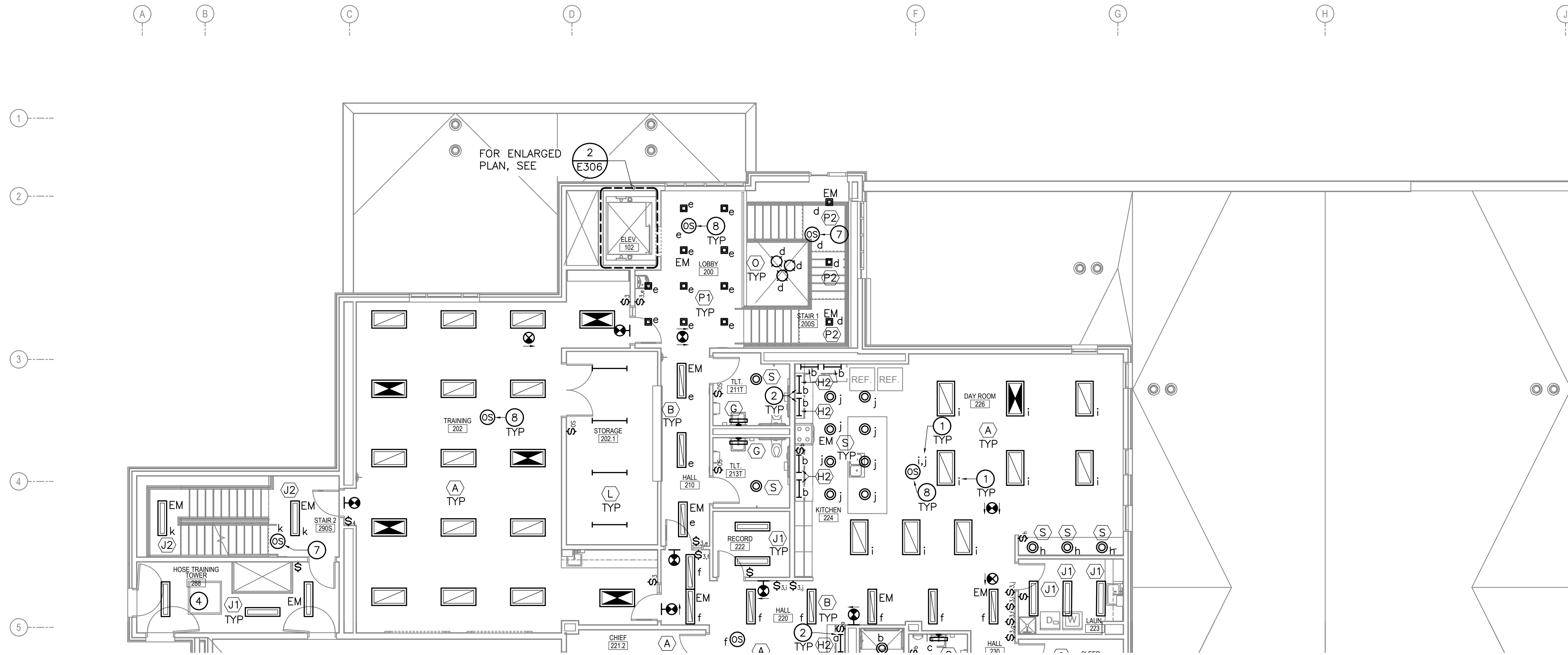
REVISION	DESCRIPTION	DATE

FIRST FLOOR LIGHTING PLAN  
AREA B  
**E202**

NOT FOR CONSTRUCTION



IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES



**1** SECOND FLOOR LIGHTING PLAN - AREA A  
 E203 SCALE: 1/8" = 1'-0"

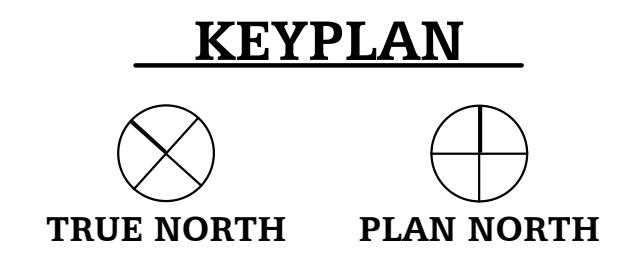
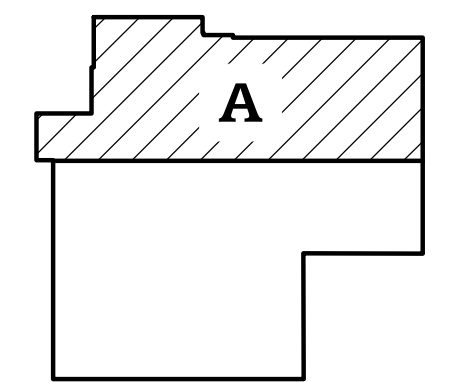
**GENERAL NOTES**

- ALL ELECTRICAL BOXES PENETRATING VAPOR RETARDERS SHALL BE SEALED, INCLUDING ALL OPENINGS IN SIDES AND BACK OF BOXES.
- CONNECT EMERGENCY LIGHT BATTERIES AND EXIT SIGNAGE TO UNSWITCHED LEG OF LOCAL AREA LIGHTING BRANCH CIRCUIT, UNLESS NOTED OTHERWISE.
- PROVIDE SEISMIC BRACING AND SUPPORT FOR ALL ELECTRICAL LIGHTS AS REQUIRED BY THE IBC AND OTHER APPLICABLE CODES.
- COORDINATE THE MOUNTING OF ALL LIGHT FIXTURES TO AVOID CONFLICTS WITH BUILDING STRUCTURAL COMPONENTS, MECHANICAL PIPING, DUCTWORK, OVERHEAD DOORS, ETC.
- WIRING TO LOW VOLTAGE SWITCHING CONTROL IS NOT SHOWN IN THIS DRAWING. 0-10V DIMMING CONTROL WIRING IS NOT SHOWN IN THIS DRAWING. PROVIDE CONNECTIONS AS REQUIRED AND RECOMMENDED BY LIGHTING CONTROL MANUFACTURER, TYPICAL OF ALL SHOWN FOR PROPOSED TYPES AND STANDARD MANUFACTURER CONNECTION DETAILS.
- INSTALL WALL AND CEILING MOUNTED OCCUPANCY SENSORS WITH 24V POWER/SWITCH PACKS WIRED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. INSTALL POWER SWITCH PACKS AHEAD OF ROOM WALL SWITCHES.
- LIGHTING IN EACH HALLWAY IS TO BE CONTROLLED AS ONE ZONE BY OCCUPANCY SENSORS. DETECTION OF ANY ONE OCCUPANCY SENSOR SHALL ILLUMINATE ALL FIXTURES IN THAT PARTICULAR HALL. PROVIDE ADDITIONAL POWER PACKS AND PROVIDE CONNECTIONS AS INDICATED BY MANUFACTURER'S WIRING DIAGRAMS.
- ALTHOUGH NOT SHOWN, AND UNLESS CONDUCTORS ENTER THE BOX THROUGH A RACEWAY, SWITCH BOXES SHALL INCLUDE A "GROUNDED CONDUCTOR" (NEUTRAL) OF THE CONTROLLED LIGHTING CIRCUIT AS REQUIRED BY NEC 404.2(C).
- CONTRACTOR TO VERIFY LOCATIONS OF ALL NEW SWITCHES WITH TENANT PRIOR TO ROUGH-IN.

**SHEET NOTES**

INDICATED BY: **(#)**

- THE FOLLOWING SHEET NOTES ARE A COMPREHENSIVE LIST APPLYING TO SHEETS E203 AND E204. NOT ALL NOTES APPLY TO EVERY SHEET.
- LOWER CASE LETTER INDICATES LIGHT FIXTURE SWITCHING CONTROL CORRESPONDING TO CONTROLS LOCATED ON WALL AND CEILING, TYPICAL OF ALL.
  - INSTALL UNDER CABINET LIGHTING HIDDEN ON UNDERSIDE OF UPPER CABINETS. COORDINATE WITH CABINETY INSTALLER AND ARCHITECTURAL DRAWINGS FOR MOUNTING. TYPICAL OF ALL.
  - COORDINATE FINAL LOCATION OF LIGHTING FIXTURES IN THIS AREA TO MAINTAIN ACCESSIBILITY AND AVOID CONFLICT WITH MECHANICAL AND STRUCTURAL SYSTEMS.
  - COORDINATE LOCATION OF LIGHT FIXTURES TO AVOID CONFLICT IN HOSE TRAINING TOWER WITH OPENINGS IN CEILING ABOVE.
  - FIELD COORDINATE LIGHT FIXTURE LOCATIONS IN THIS ROOM TO AVOID LOCATING THE FIXTURE ABOVE THE CABLE TRAY.
  - THIS OCCUPANCY SENSOR IS TO COME WITH HIGH HUMIDITY OPTION.
  - LIGHTS CONTROLLED BY OCCUPANCY SENSORS IN THE STAIRWELL AREA ARE TO PROVIDE 100% LIGHT OUTPUT WHEN OCCUPANCY IS DETECTED AND DROP TO 50% LIGHT OUTPUT WHEN OCCUPANCY IS NOT DETECTED.
  - INDICATES OCCUPANCY SENSORS ARE TO CONTROL THE LIGHTING IN THIS AREA. TYPE, QUANTITY, AND LOCATION OF OCCUPANCY SENSORS FOR CONTROL OF EACH AREA'S LIGHTING IS TO BE DESIGNED BY CONTRACTOR'S VENDOR. TYPICAL OF ALL.



65% SET  
 NOT FOR  
 CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
 HAINES, ALASKA  
 65% PRICING SET

CONSULTANT:  
  
 HZA Engineering, LLC  
 113 W. Northern Lights Blvd., Suite 240  
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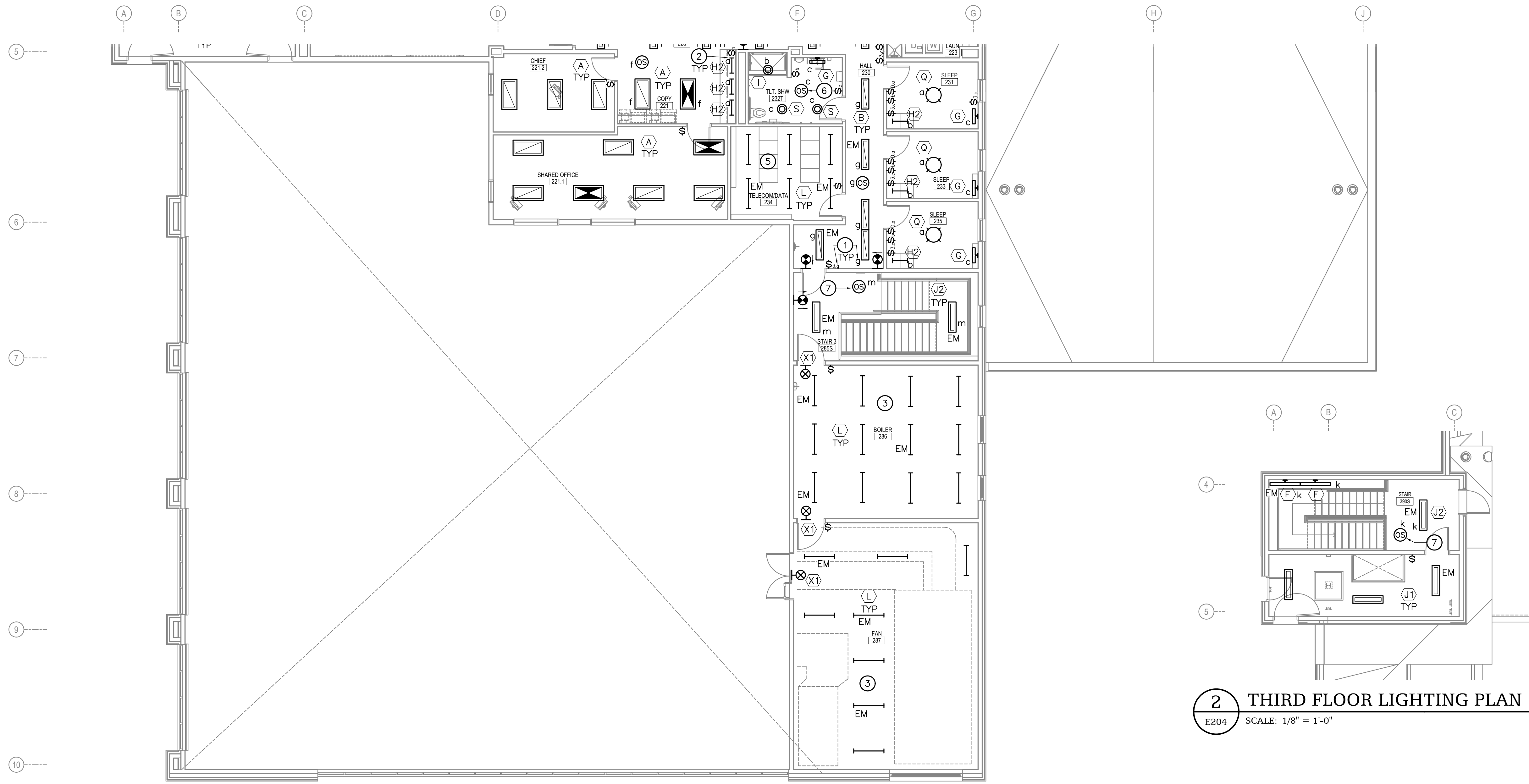
PROJECT NO: 2022.035.0  
 DATE: 2022-08-25  
 DRAWN BY: JWA  
 CHECKED BY: BAB

REVISION	DESCRIPTION	DATE

SECOND FLOOR LIGHTING PLAN  
 AREA A  
**E203**

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES



**1** SECOND FLOOR LIGHTING PLAN - AREA B  
E204 SCALE: 1/8" = 1'-0"

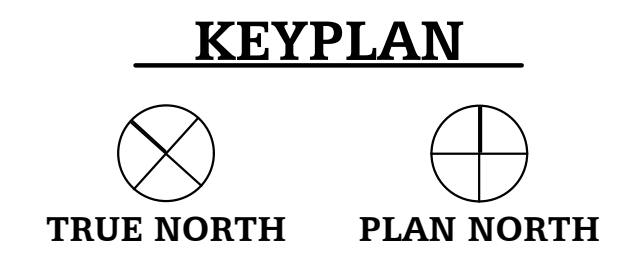
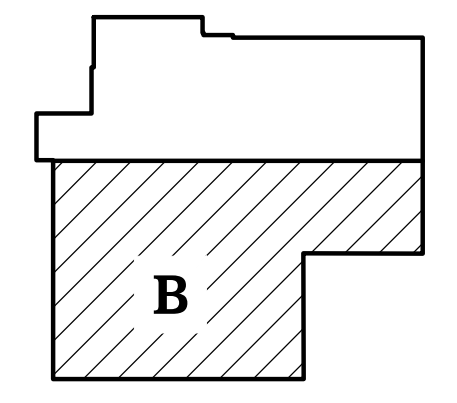
**2** THIRD FLOOR LIGHTING PLAN  
E204 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- ALL ELECTRICAL BOXES PENETRATING VAPOR RETARDERS SHALL BE SEALED, INCLUDING ALL OPENINGS IN SIDES AND BACK OF BOXES.
- CONNECT EMERGENCY LIGHT BATTERIES AND EXIT SIGNAGE TO UNSWITCHED LEG OF LOCAL AREA LIGHTING BRANCH CIRCUIT, UNLESS NOTED OTHERWISE.
- PROVIDE SEISMIC BRACING AND SUPPORT FOR ALL ELECTRICAL LIGHTS AS REQUIRED BY THE IBC AND OTHER APPLICABLE CODES.
- COORDINATE THE MOUNTING OF ALL LIGHT FIXTURES TO AVOID CONFLICTS WITH BUILDING STRUCTURAL COMPONENTS, MECHANICAL PIPING, DUCTWORK, OVERHEAD DOORS, ETC.
- WIRING TO LOW VOLTAGE SWITCHING CONTROL IS NOT SHOWN IN THIS DRAWING. 0-10V DIMMING CONTROL WIRING IS NOT SHOWN IN THIS DRAWING. PROVIDE CONNECTIONS AS REQUIRED AND RECOMMENDED BY LIGHTING CONTROL MANUFACTURER, TYPICAL OF ALL SHOWN FOR PROPOSED TYPES AND STANDARD MANUFACTURER CONNECTION DETAILS.
- INSTALL WALL AND CEILING MOUNTED OCCUPANCY SENSORS WITH 24V POWER/SWITCH PACKS WIRED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. INSTALL POWER SWITCH PACKS AHEAD OF ROOM WALL SWITCHES.
- LIGHTING IN EACH HALLWAY IS TO BE CONTROLLED AS ONE ZONE BY OCCUPANCY SENSORS. DETECTION OF ANY ONE OCCUPANCY SENSOR SHALL ILLUMINATE ALL FIXTURES IN THAT PARTICULAR HALL. PROVIDE ADDITIONAL POWER PACKS AND PROVIDE CONNECTIONS AS INDICATED BY MANUFACTURER'S WIRING DIAGRAMS.
- ALTHOUGH NOT SHOWN, AND UNLESS CONDUCTORS ENTER THE BOX THROUGH A RACEWAY, SWITCH BOXES SHALL INCLUDE A "GROUNDED CONDUCTOR" (NEUTRAL) OF THE CONTROLLED LIGHTING CIRCUIT AS REQUIRED BY NEC 404.2(C).
- CONTRACTOR TO VERIFY LOCATIONS OF ALL NEW SWITCHES WITH TENANT PRIOR TO ROUGH-IN.

**SHEET NOTES**

- INDICATED BY: (f)
- THE FOLLOWING SHEET NOTES ARE A COMPREHENSIVE LIST APPLYING TO SHEETS E203 AND E204. NOT ALL NOTES APPLY TO EVERY SHEET.
- LOWER CASE LETTER INDICATES LIGHT FIXTURE SWITCHING CONTROL CORRESPONDING TO CONTROLS LOCATED ON WALL AND CEILING, TYPICAL OF ALL.
  - INSTALL UNDER CABINET LIGHTING HIDDEN ON UNDERSIDE OF UPPER CABINETS. COORDINATE WITH CABINETRY INSTALLER AND ARCHITECTURAL DRAWINGS FOR MOUNTING. TYPICAL OF ALL.
  - COORDINATE FINAL LOCATION OF LIGHTING FIXTURES IN THIS AREA TO MAINTAIN ACCESSIBILITY AND AVOID CONFLICT WITH MECHANICAL AND STRUCTURAL SYSTEMS.
  - COORDINATE LOCATION OF LIGHT FIXTURES TO AVOID CONFLICT IN HOSE TRAINING TOWER WITH OPENINGS IN CEILING ABOVE.
  - FIELD COORDINATE LIGHT FIXTURE LOCATIONS IN THIS ROOM TO AVOID LOCATING THE FIXTURE ABOVE THE CABLE TRAY.
  - THIS OCCUPANCY SENSOR IS TO COME WITH HIGH HUMIDITY OPTION.
  - LIGHTS CONTROLLED BY OCCUPANCY SENSORS IN THE STAIRWELL AREA ARE TO PROVIDE 100% LIGHT OUTPUT WHEN OCCUPANCY IS DETECTED AND DROP TO 50% LIGHT OUTPUT WHEN OCCUPANCY IS NOT DETECTED.
  - INDICATES OCCUPANCY SENSORS ARE TO CONTROL THE LIGHTING IN THIS AREA. TYPE, QUANTITY, AND LOCATION OF OCCUPANCY SENSORS FOR CONTROL OF EACH AREA'S LIGHTING IS TO BE DESIGNED BY CONTRACTOR'S VENDOR. TYPICAL OF ALL.



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CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA  
65% PRICING SET

CONSULTANT:  
**HZA**  
ENGINEERING SOLUTIONS  
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AK Corporation #: ASCL881

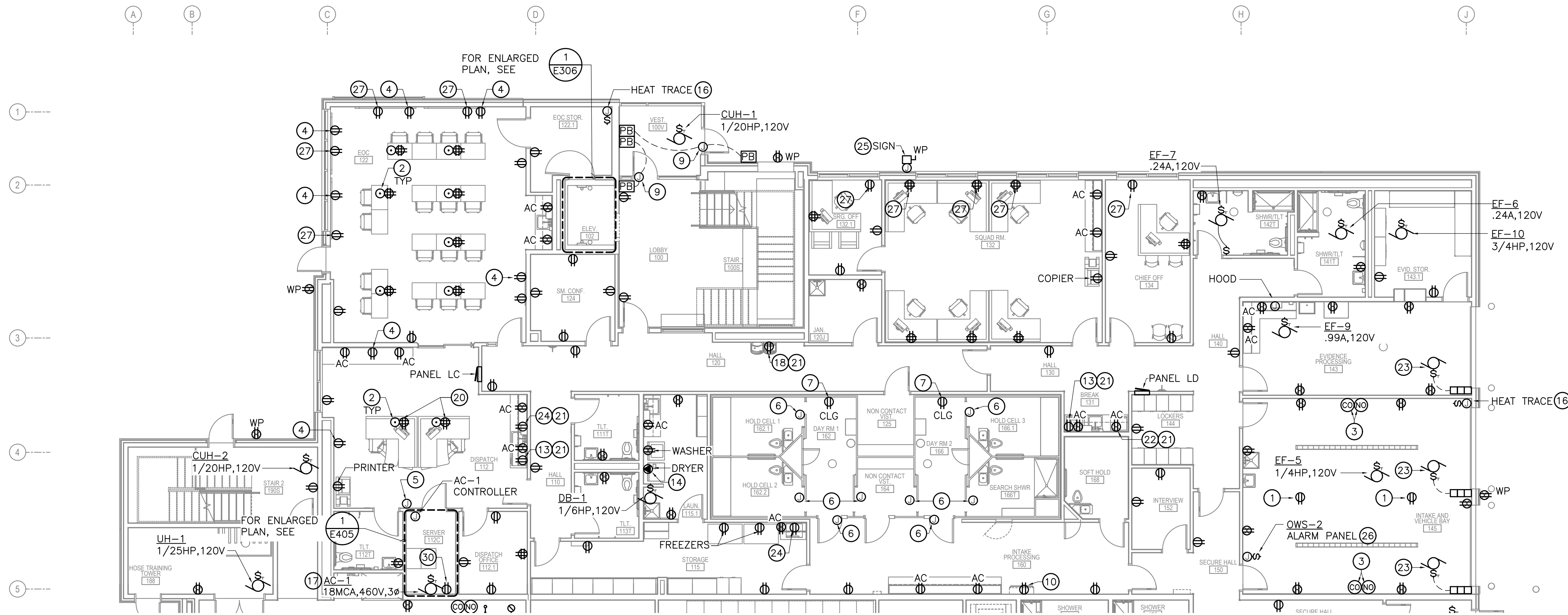
PROJECT NO: 2022.035.0  
DATE: 2022-08-25  
DRAWN BY: JWA  
CHECKED BY: BAB

REVISION	DESCRIPTION	DATE

SECOND FLOOR LIGHTING PLAN AREA B & THIRD FLOOR LIGHTING PLAN  
**E204**  
BETTISWORTH NORTH ARCHITECTS & PLANNERS

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES



**1** FIRST FLOOR POWER PLAN - AREA A  
E301 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- COORDINATE WITH GENERAL CONTRACTOR TO ENSURE NEC REQUIRED WORKING CLEARANCES AND SPACES ARE MAINTAINED AROUND ELECTRICAL EQUIPMENT SUCH AS DISTRIBUTION EQUIPMENT PANELS DISCONNECTS, MOTOR STARTERS, ETC. PER NEC 110.26. WHERE NECESSARY, PROVIDE STRUCTURAL CHANNEL (UNISTRUT) SUPPORT FOR INSTALLATION.
- COORDINATE EXACT LOCATIONS AND REQUIREMENTS OF MECHANICAL ITEMS PRIOR TO ROUGH-IN. PROVIDE ALL REQUIRED APPURTENANCES AND POWER AND CONTROL CONNECTIONS AS NEEDED FOR EQUIPMENT TO OPERATE AS COMPLETE AND FULL OPERATIONAL SYSTEMS AS INTENDED AND INDICATED IN THE DRAWINGS, SPECIFICATIONS, AND IN THE MECHANICAL SEQUENCE OF OPERATIONS. ALL REQUIRED LINE AND LOW VOLTAGE CONNECTIONS INCLUDING INTERCONNECTING CONTROL WIRING, MAY NOT BE SHOWN IN THESE DRAWINGS BUT MAY BE REQUIRED, AND IF SO ARE TO BE PROVIDED, REFERENCE MECHANICAL DOCUMENTS FOR LOCATIONS AND REQUIREMENTS
- ALL RECEPTACLES LOCATED IN THE APPARATUS BAYS, EVIDENCE PROCESSING, AND VEHICLE BAYS ARE TO BE LOCATED +48" ABOVE THE FLOOR.
- ALL NON-LOCKING TYPE 125V, 15 AND 20 AMP RECEPTACLES IN THE "DWELLING UNIT" PORTION OF THE BUILDING ARE TO BE TAMPER-RESISTANT TYPE RECEPTACLES.
- COORDINATE LOCATION AND HEIGHTS OF ALL ELECTRICAL OUTLETS MOUNTED ABOVE COUNTERS, BENCHES, AND BACKSPLASHES WITH ARCHITECTURAL ELEVATIONS AND CASEWORK SHOP DRAWINGS
- COORDINATE LOCATION, HEIGHT, AND ORIENTATION OF POWER AND TELECOMMUNICATIONS OUTLETS ON BUILDING PERIMETER TO AVOID CONFLICTS WITH THE MECHANICAL BASEBOARD, TYPICAL OF ALL RECEPTACLES LOCATED ON BUILDING PERIMETER. WHERE NECESSARY, ROTATE OUTLETS HORIZONTALLY TO FIT BETWEEN TOP OF BASEBOARD AND BOTTOM OF WINDOW SILL.
- REFERENCE DIVISION 08 OF THE SPECIFICATION FOR REQUIREMENTS FOR ALL SCREWS (TO BE SECURITY SCREWS) TO BE USED FOR ALL ELECTRICAL DEVICES, COVE PLATES, ETC. WHERE LOCATED WITHIN THE DETENTION AREAS.

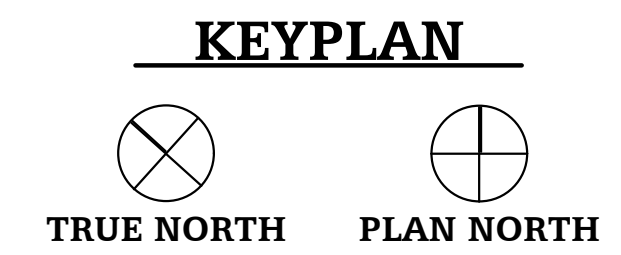
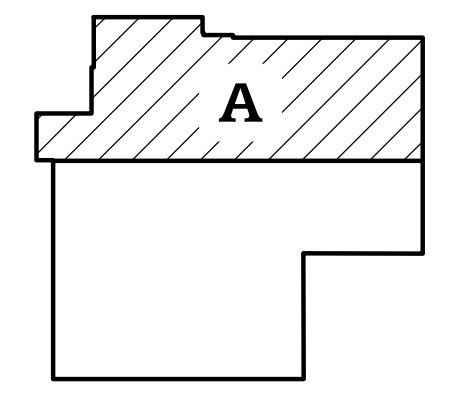
**SHEET NOTES**

- RECEPTACLE TO BE SUSPENDED FROM CEILING WITH A KELLUMS CORD GRIP. COORDINATE WITH OWNER FOR EXACT LOCATION. CIRCUIT TO BE PROTECTED BY GFCI 5ma CIRCUIT BREAKER.
- FLOORBOX, COORDINATE WITH OWNER FOR EXACT LOCATION PRIOR TO ROUGH-IN, TYPICAL OF ALL FLOORBOXES.
- PROVIDE EQUIPMENT, CONNECTIONS, AND CONTROLS BETWEEN CARBON MONOXIDE DETECTORS, DDC, AND EXHAUST FANS AS REQUIRED FOR INTENDED OPERATION AND AS INDICATED BY THE MECHANICAL SEQUENCE OF OPERATIONS.
- RECEPTACLE FOR TV OR SMARTBOARD. COORDINATE WITH ARCH. DRAWINGS FOR EXACT LOCATION/HEIGHT PRIOR TO ROUGH-IN. IN SLEEPING ROOMS, RECEPTACLE IS TO BE NO HIGHER THAN 5.5' AFF.
- GENERATOR REMOTE ANNUNCIATION PANEL. PROVIDE POWER AND CONTROL CONNECTIONS AS REQUIRED FOR PROPER OPERATION. COORDINATE LOCATION.
- CONTRACTOR TO PROVIDE POWER AND CONTROL CONNECTIONS TO HOLDING CELL DOORS FOR REMOTE OPERATION AT DISPATCH. REFERENCE SPECIAL SYSTEMS DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- TAMPER RESISTANT RECEPTACLE WITH SECURITY COVER PLATE FOR WALL MOUNT TV. COORDINATE EXACT LOCATION AND HEIGHT.
- CEILING FAN SPEED CONTROL, CONNECT TO FANS ABOVE. COORDINATE WITH MANUFACTURER FOR WIRING REQUIREMENTS.
- POWER AND CONTROL WIRING FOR ADA AUTOMATIC DOOR.
- POWER FOR BREATHALYZER, COORDINATE WITH OWNER FOR EXACT ELECTRICAL CONNECTION TYPE, LOCATION, AND REQUIREMENTS
- RECEPTACLE FOR BUILT-IN MICROWAVE, COORDINATE EXACT HEIGHT AND LOCATION.

INDICATED BY: (f)

- PROVIDE FUSING TO MATCH EQUIPMENT NAMEPLATE AND NOT TO EXCEED DISCONNECT RATING.
- RECEPTACLE FOR UNDER COUNTER FRIDGE.
- RECEPTACLE FOR DRYER, NEMA 14-30R. PROVIDE 1/2" C, 2#10, 1#10N, 1#10G (CU). COORDINATE EXACT LOCATION AND HEIGHT. PROVIDE WITH GROUND FAULT CIRCUIT BREAKER.
- COORDINATE WITH MECHANICAL FOR THE PROVIDING OF AND INSTALLATION OF CONTROLS INCLUDING POWER AND CONTROL WIRING FOR EQUIPMENT TO BE INTERLOCKED AND OPERATE AS INDICATED IN THE MECHANICAL SEQUENCE OF OPERATIONS.
- JUNCTION BOX AND DISCONNECT SWITCH FOR CONNECTION TO OVERFLOW SCUPPER HEATTRACE. PROVIDE HEATTRACE AND ALL REQUIRED APPURTENANCES TO HEATTRACE DOWNSPOUT AS REQUIRED BY THE MECHANICAL DRAWINGS. COORDINATE EXACT LOCATION. PROVIDE & CONNECT TO THERMOSTATIC FREEZE PROTECTION CONTROLS.
- PROVIDE CONNECTIONS FROM CONDENSING UNIT TO RESPECTIVE ROOM COOLING UNIT.
- RECEPTACLE FOR CONNECTION TO WATER BOTTLE FILLER. COORDINATE EXACT LOCATION AND HEIGHT.
- RECEPTACLE FOR STACKED WASHER AND DRYER, 120/208V, 10, 3/4"C., 3#8, 1#10G. PROVIDE WITH NEMA 14-50 RECEPTACLE. COORDINATE EXACT HEIGHT AND LOCATION PRIOR TO ROUGH-IN.
- FLOORBOX FOR DISPATCH CONTROL CENTER. COORDINATE WITH OWNER FOR EXACT LOCATION PRIOR TO ROUGH-IN.
- RECEPTACLE IS TO BE GFCI PROTECTED. PROVIDE WITH GROUND FAULT CIRCUIT BREAKER IF THE GFCI RECEPTACLE CANNOT BE LOCATE IN A READILY ACCESSIBLE AREA
- RECEPTACLE FOR MICROWAVE ON COUNTER, COORDINATE EXACT HEIGHT AND LOCATION PRIOR TO ROUGH-IN.

- OVERHEAD DOOR OPERATOR, 3/4HP 120 VOLT ASSUMED, CONTRACTOR TO VERIFY. PROVIDE 120V BRANCH CIRCUIT AND CONTROL CONNECTIONS FOR OBSTRUCTION SENSORS, CONTROLS, ETC., FOR COMPLETE AND OPERABLE SYSTEM.
- RECEPTACLE FOR MICROWAVE ON SHELF, COORDINATE EXACT HEIGHT AND LOCATION PRIOR TO ROUGH-IN.
- PROVIDE WEATHERPROOF JUNCTION BOX, DISCONNECT, AND BRANCH CIRCUIT CONNECTION TO SIGN. COORDINATE EXACT LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN. ROUTE CIRCUITRY THROUGH A PHOTOCELL FOR CONTROL. COORDINATE WITH OWNER FOR REQUIREMENTS.
- PROVIDE POWER AND CONTROL WIRING AS REQUIRED BETWEEN RESPECTIVE OWS AND ALARM PANEL.
- COORDINATE EXACT HEIGHT OF DEVICE TO AVOID CONFLICTS WITH MECHANICAL BASEBOARD. REFERENCE MECHANICAL DRAWING SHEET.
- DOWNDRAFT TABLE. 5HP, 208V, 3Ø, 1/2"C., 4#12. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
- RECEPTACLE FOR MORGUE COOLER CONDENSER. RECEPTACLE TO BE MOUNTED ABOVE COOLER FOR CONNECTION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH COOLER INSTALLER.
- RECEPTACLE FOR CONDENSATE PUMP. COORDINATE WITH MECHANICAL FOR EXACT HEIGHT AND LOCATION PRIOR TO ROUGH-IN.



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HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
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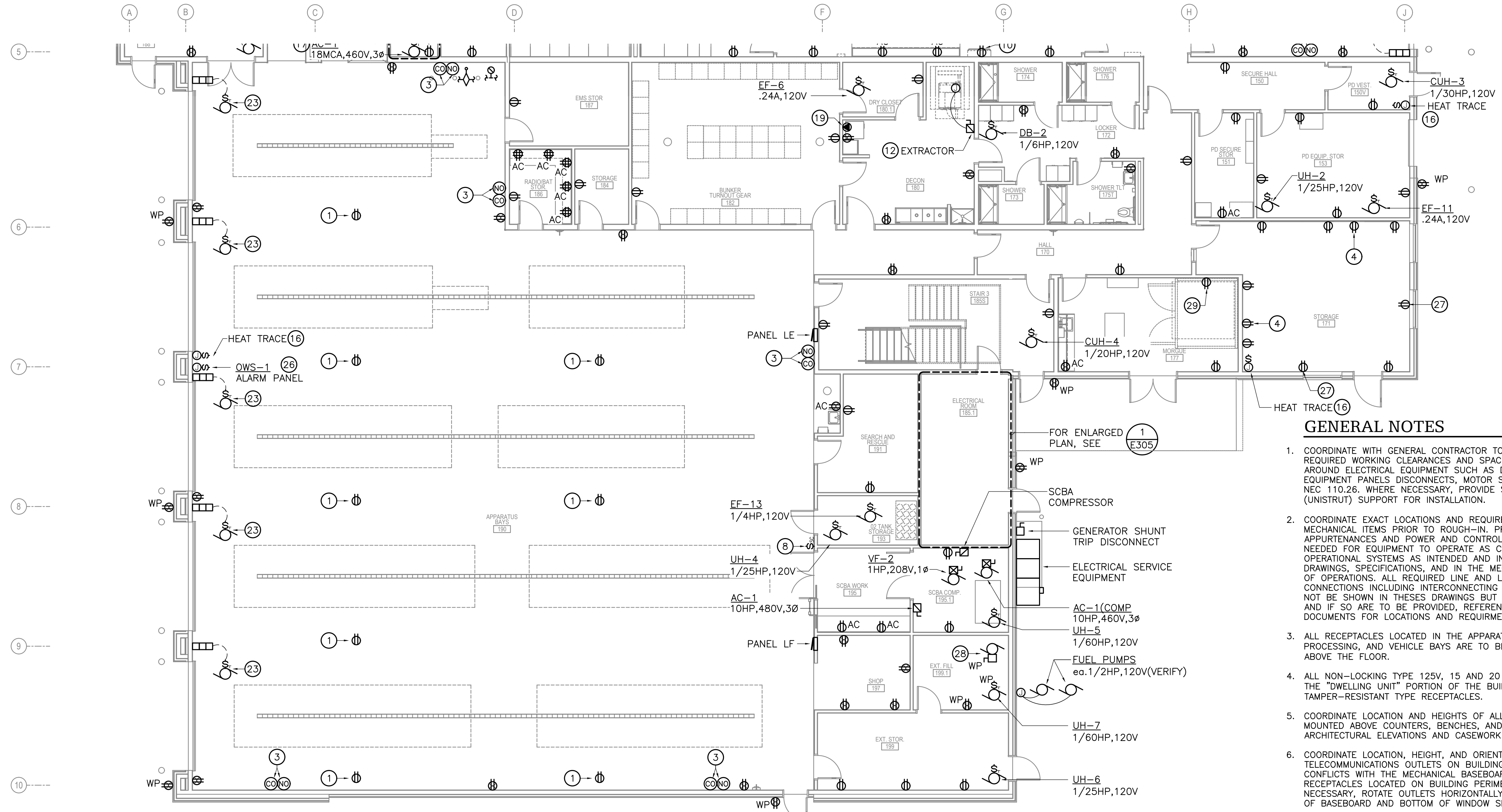
PROJECT NO: 2022.035.0  
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DRAWN BY: JWA  
CHECKED BY: BAB

REVISION	DESCRIPTION	DATE

FIRST FLOOR  
POWER PLAN  
AREA A  
**E301**

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES



**1** FIRST FLOOR POWER PLAN - AREA B  
E302 SCALE: 1/8" = 1'-0"

**SHEET NOTES**

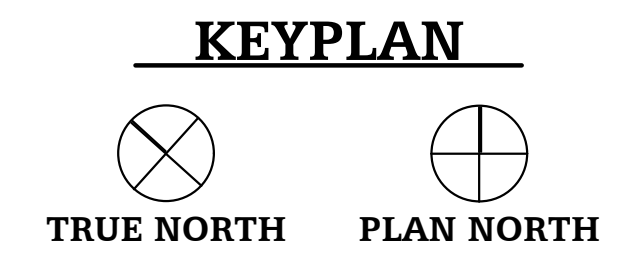
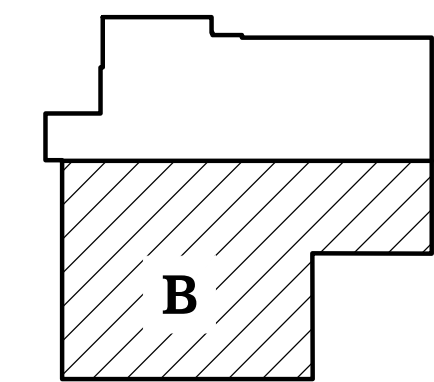
- THE FOLLOWING SHEET NOTES ARE A COMPREHENSIVE LIST APPLYING TO SHEETS E301 AND E302. NOT ALL NOTES APPLY TO EVERY SHEET.
- RECEPTACLE TO BE SUSPENDED FROM CEILING WITH A KELLUMS CORD GRIP. COORDINATE WITH OWNER FOR EXACT LOCATION. CIRCUIT TO BE PROTECTED BY GFCI 5mA CIRCUIT BREAKER.
  - FLOORBOX. COORDINATE WITH OWNER FOR EXACT LOCATION PRIOR TO ROUGH-IN, TYPICAL OF ALL FLOORBOXES.
  - PROVIDE EQUIPMENT, CONNECTIONS, AND CONTROLS BETWEEN CARBON MONOXIDE DETECTORS, DDC, AND EXHAUST FANS AS REQUIRED FOR INTENDED OPERATION AND AS INDICATED BY THE MECHANICAL SEQUENCE OF OPERATIONS.
  - RECEPTACLE FOR TV OR SMARTBOARD. COORDINATE WITH ARCH. DRAWINGS FOR EXACT LOCATION/HEIGHT PRIOR TO ROUGH-IN. IN SLEEPING ROOMS, RECEPTACLE IS TO BE NO HIGHER THAN 5.5' AFF.
  - GENERATOR REMOTE ANNUNCIATION PANEL. PROVIDE POWER AND CONTROL CONNECTIONS AS REQUIRED FOR PROPER OPERATION. COORDINATE LOCATION.
  - CONTRACTOR TO PROVIDE POWER AND CONTROL CONNECTIONS TO HOLDING CELL DOORS FOR REMOTE OPERATION AT DISPATCH. REFERENCE SPECIAL SYSTEMS DRAWINGS FOR ADDITIONAL REQUIREMENTS.
  - TAMPER RESISTANT RECEPTACLE WITH SECURITY COVER PLATE FOR WALL MOUNT TV. COORDINATE EXACT LOCATION AND HEIGHT.
  - CEILING FAN SPEED CONTROL, CONNECT TO FANS ABOVE. COORDINATE WITH MANUFACTURER FOR WIRING REQUIREMENTS.

INDICATED BY: **④**

- POWER AND CONTROL WIRING FOR ADA AUTOMATIC DOOR.
- POWER FOR BREATHALYZER, COORDINATE WITH OWNER FOR EXACT ELECTRICAL CONNECTION TYPE, LOCATION, AND REQUIREMENTS
- RECEPTACLE FOR BUILT-IN MICROWAVE, COORDINATE EXACT HEIGHT AND LOCATION.
- PROVIDE FUSING TO MATCH EQUIPMENT NAMEPLATE AND NOT TO EXCEED DISCONNECT RATING.
- RECEPTACLE FOR UNDER COUNTER FRIDGE.
- RECEPTACLE FOR DRYER, NEMA 14-30R. PROVIDE 1/2", 2#10, 1#10N, 1#10G (CU). COORDINATE EXACT LOCATION AND HEIGHT. PROVIDE WITH GROUND FAULT CIRCUIT BREAKER.
- COORDINATE WITH MECHANICAL FOR THE PROVIDING OF AND INSTALLATION OF CONTROLS INCLUDING POWER AND CONTROL WIRING FOR EQUIPMENT TO BE INTERLOCKED AND OPERATE AS INDICATED IN THE MECHANICAL SEQUENCE OF OPERATIONS.
- JUNCTION BOX AND DISCONNECT SWITCH FOR CONNECTION TO OVERFLOW SCUPPER HEATTRACE. PROVIDE HEATTRACE AND ALL REQUIRED APPURTENANCES TO HEATTRACE DOWNSPOUT AS REQUIRED BY THE MECHANICAL DRAWINGS. COORDINATE EXACT LOCATION. PROVIDE & CONNECT TO THERMOSTATIC FREEZE PROTECTION CONTROLS.
- PROVIDE CONNECTIONS FROM CONDENSING UNIT TO RESPECTIVE ROOM COOLING UNIT.
- RECEPTACLE FOR CONNECTION TO WATER BOTTLE FILLER. COORDINATE EXACT LOCATION AND HEIGHT.
- RECEPTACLE FOR STACKED WASHER AND DRYER, 120/208V, 1Ø, 3/4", 3#8, 1#10G. PROVIDE WITH NEMA 14-50 RECEPTACLE. COORDINATE EXACT HEIGHT AND LOCATION PRIOR TO ROUGH-IN.
- FLOORBOX FOR DISPATCH CONTROL CENTER. COORDINATE WITH OWNER FOR EXACT LOCATION PRIOR TO ROUGH-IN.
- RECEPTACLE IS TO BE GFCI PROTECTED. PROVIDE WITH GROUND FAULT CIRCUIT BREAKER IF THE GFCI RECEPTACLE CANNOT BE LOCATE IN A READILY ACCESSIBLE AREA
- RECEPTACLE FOR MICROWAVE ON COUNTER, COORDINATE EXACT HEIGHT AND LOCATION PRIOR TO ROUGH-IN.
- OVERHEAD DOOR OPERATOR, 3/4HP 120 VOLT ASSUMED, CONTRACTOR TO VERIFY. PROVIDE 120V BRANCH CIRCUIT AND CONTROL CONNECTIONS FOR OBSTRUCTION SENSORS, CONTROLS, ETC., FOR COMPLETE AND OPERABLE SYSTEM.
- RECEPTACLE FOR MICROWAVE ON SHELF, COORDINATE EXACT HEIGHT AND LOCATION PRIOR TO ROUGH-IN.
- PROVIDE WEATHERPROOF JUNCTION BOX, DISCONNECT, AND BRANCH CIRCUIT CONNECTION TO SIGN. COORDINATE EXACT LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN. ROUTE CIRCUITRY THROUGH A PHOTOCELL FOR CONTROL. COORDINATE WITH OWNER FOR REQUIREMENTS.
- PROVIDE POWER AND CONTROL WIRING AS REQUIRED BETWEEN RESPECTIVE OWS AND ALARM PANEL.
- COORDINATE EXACT HEIGHT OF DEVICE TO AVOID CONFLICTS WITH MECHANICAL BASEBOARD. REFERENCE MECHANICAL DRAWING SHEET.
- DOWNDRAFT TABLE. 5HP, 208V, 3Ø, 1/2", 4#12. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
- RECEPTACLE FOR MORGUE COOLER CONDENSER. RECEPTACLE TO BE MOUNTED ABOVE COOLER FOR CONNECTION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH COOLER INSTALLER.
- RECEPTACLE FOR CONDENSATE PUMP. COORDINATE WITH MECHANICAL FOR EXACT HEIGHT AND LOCATION PRIOR TO ROUGH-IN.

**GENERAL NOTES**

- COORDINATE WITH GENERAL CONTRACTOR TO ENSURE NEC REQUIRED WORKING CLEARANCES AND SPACES ARE MAINTAINED AROUND ELECTRICAL EQUIPMENT SUCH AS DISTRIBUTION EQUIPMENT PANELS DISCONNECTS, MOTOR STARTERS, ETC. PER NEC 110.26. WHERE NECESSARY, PROVIDE STRUCTURAL CHANNEL (UNISTRUT) SUPPORT FOR INSTALLATION.
- COORDINATE EXACT LOCATIONS AND REQUIREMENTS OF MECHANICAL ITEMS PRIOR TO ROUGH-IN. PROVIDE ALL REQUIRED APPURTENANCES AND POWER AND CONTROL CONNECTIONS AS NEEDED FOR EQUIPMENT TO OPERATE AS COMPLETE AND FULL OPERATIONAL SYSTEMS AS INTENDED AND INDICATED IN THE DRAWINGS, SPECIFICATIONS, AND IN THE MECHANICAL SEQUENCE OF OPERATIONS. ALL REQUIRED LINE AND LOW VOLTAGE CONNECTIONS INCLUDING INTERCONNECTING CONTROL WIRING, MAY NOT BE SHOWN IN THESE DRAWINGS BUT MAY BE REQUIRED, AND IF SO ARE TO BE PROVIDED, REFERENCE MECHANICAL DOCUMENTS FOR LOCATIONS AND REQUIREMENTS
- ALL RECEPTACLES LOCATED IN THE APPARATUS BAYS, EVIDENCE PROCESSING, AND VEHICLE BAYS ARE TO BE LOCATED +48" ABOVE THE FLOOR.
- ALL NON-LOCKING TYPE 125V, 15 AND 20 AMP RECEPTACLES IN THE "DWELLING UNIT" PORTION OF THE BUILDING ARE TO BE TAMPER-RESISTANT TYPE RECEPTACLES.
- COORDINATE LOCATION AND HEIGHTS OF ALL ELECTRICAL OUTLETS MOUNTED ABOVE COUNTERS, BENCHES, AND BACKSPASHES WITH ARCHITECTURAL ELEVATIONS AND CASEWORK SHOP DRAWINGS
- COORDINATE LOCATION, HEIGHT, AND ORIENTATION OF POWER AND TELECOMMUNICATIONS OUTLETS ON BUILDING PERIMETER TO AVOID CONFLICTS WITH THE MECHANICAL BASEBOARD, TYPICAL OF ALL RECEPTACLES LOCATED ON BUILDING PERIMETER. WHERE NECESSARY, ROTATE OUTLETS HORIZONTALLY TO FIT BETWEEN TOP OF BASEBOARD AND BOTTOM OF WINDOW SILL.
- REFERENCE DIVISION 08 OF THE SPECIFICATION FOR REQUIREMENTS FOR ALL SCREWS (TO BE SECURITY SCREWS) TO BE USED FOR ALL ELECTRICAL DEVICES, COVE PLATES, ETC. WHERE LOCATED WITHIN THE DETENTION AREAS.



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NOT FOR  
CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA

65% PRICING SET

CONSULTANT:  
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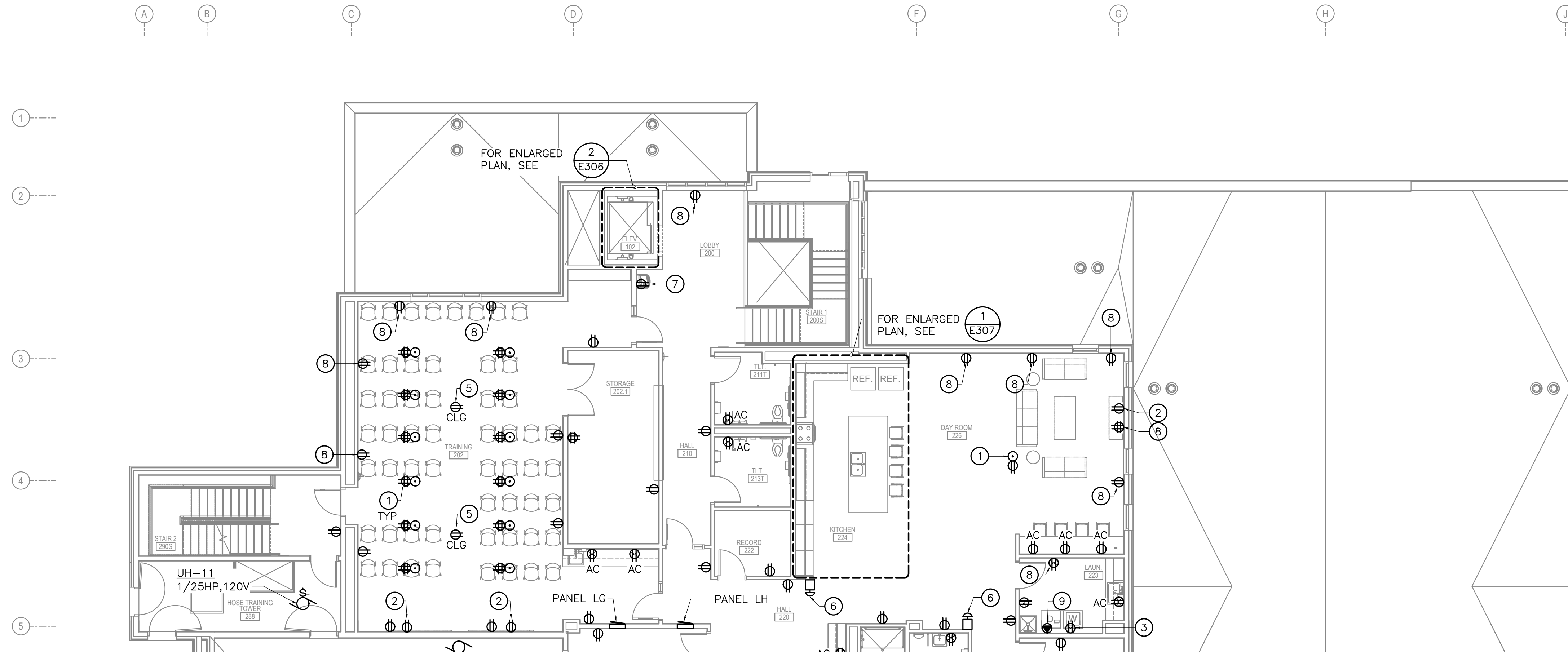
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DRAWN BY: JWA  
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REVISION	DESCRIPTION	DATE

FIRST FLOOR  
POWER PLAN  
AREA B  
**E302**

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES



**1** SECOND FLOOR POWER PLAN - AREA A  
E303 SCALE: 1/8" = 1'-0"

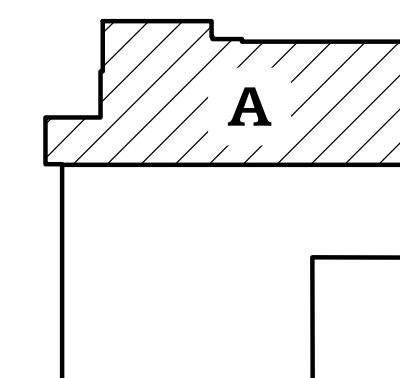
**GENERAL NOTES**

- COORDINATE WITH GENERAL CONTRACTOR TO ENSURE NEC REQUIRED WORKING CLEARANCES AND SPACES ARE MAINTAINED AROUND ELECTRICAL EQUIPMENT SUCH AS DISTRIBUTION EQUIPMENT PANELS DISCONNECTS, MOTOR STARTERS, ETC. PER NEC 110.26. WHERE NECESSARY, PROVIDE STRUCTURAL CHANNEL (UNISTRUT) SUPPORT FOR INSTALLATION.
- COORDINATE EXACT LOCATIONS AND REQUIREMENTS OF MECHANICAL ITEMS PRIOR TO ROUGH-IN. PROVIDE ALL REQUIRED APPURTENANCES AND POWER AND CONTROL CONNECTIONS AS NEEDED FOR EQUIPMENT TO OPERATE AS COMPLETE AND FULL OPERATIONAL SYSTEMS AS INTENDED AND INDICATED IN THE DRAWINGS, SPECIFICATIONS, AND IN THE MECHANICAL SEQUENCE OF OPERATIONS. ALL REQUIRED LINE AND LOW VOLTAGE CONNECTIONS INCLUDING INTERCONNECTING CONTROL WIRING, MAY NOT BE SHOWN IN THESE DRAWINGS BUT MAY BE REQUIRED, AND IF SO ARE TO BE PROVIDED. REFERENCE MECHANICAL DOCUMENTS FOR LOCATIONS AND REQUIREMENTS
- ALL NON-LOCKING TYPE 125V, 15 AND 20 AMP RECEPTACLES IN THE "DWELLING UNIT" PORTION OF THE BUILDING ARE TO BE TAMPER-RESISTANT TYPE RECEPTACLES.
- COORDINATE LOCATION AND HEIGHTS OF ALL ELECTRICAL OUTLETS MOUNTED ABOVE COUNTERS, BENCHES, AND BACKSPASHES WITH ARCHITECTURAL ELEVATIONS AND CASEWORK SHOP DRAWINGS
- COORDINATE LOCATION, HEIGHT, AND ORIENTATION OF POWER AND TELECOMMUNICATIONS OUTLETS ON BUILDING PERIMETER TO AVOID CONFLICTS WITH THE MECHANICAL BASEBOARD, TYPICAL OF ALL RECEPTACLES LOCATED ON BUILDING PERIMETER. WHERE NECESSARY, ROTATE OUTLETS HORIZONTALLY TO FIT BETWEEN TOP OF BASEBOARD AND BOTTOM OF WINDOW SILL.
- GFCI RECEPTACLES SHALL BE LOCATED IN A READILY ACCESSIBLE LOCATION PER NEC 210.8. IF NOT POSSIBLE, PROVIDE CIRCUITS SUPPLIED BY A 5mA GFCI CIRCUIT BREAKER.

**SHEET NOTES**

INDICATED BY: (#)

- THE FOLLOWING SHEET NOTES ARE A COMPREHENSIVE LIST APPLYING TO SHEETS E303 AND E304. NOT ALL NOTES APPLY TO EVERY SHEET.
- FLOORBOX, COORDINATE WITH OWNER FOR EXACT LOCATION PRIOR TO ROUGH-IN. TYPICAL OF ALL FLOORBOXES. ENSURE THAT FLOORBOXES ARE NO CLOSER THAN 2' APART AND ONLY 1 FLOORBOX PER 65 SQUARE FEET SPAN.
  - RECEPTACLE FOR TV. COORDINATE WITH ARCH. DRAWINGS FOR EXACT LOCATION/HEIGHT PRIOR TO ROUGH-IN. SLEEPING ROOMS, RECEPTACLE IS TO BE NO HIGHER THAN 5.5' AFF.
  - RECEPTACLE FOR CONNECTION TO WASHER. LOCATE RECEPTACLE SO IT IS READILY ACCESSIBLE LOCATION PER NEC 210.8. IF NOT POSSIBLE, PROVIDE CIRCUITS SUPPLIED BY A 5mA GFCI CIRCUIT BREAKER.
  - COORDINATE HEIGHT OF RECEPTACLE WITH ARCHITECTURAL.
  - POWER AT CEILING FOR PROJECTOR.
  - EMERGENCY SHUTOFF BUTTON FOR RANGE. SEE 2/E307. PROVIDE IDENTIFICATION.
  - RECEPTACLE FOR CONNECTION TO WATER BOTTLE FILLER. COORDINATE EXACT LOCATION AND HEIGHT. RECEPTACLE IS TO BE GFCI PROTECTED. PROVIDE WITH GROUND FAULT CIRCUIT BREAKER.
  - COORDINATE EXACT HEIGHT OF DEVICE TO AVOID CONFLICTS WITH MECHANICAL BASEBOARD. REFERENCE MECHANICAL DRAWING SHEET.
  - DRYER, 120/208V, 1Ø, 1/2"C., 3#10, 1#10G. PROVIDE WITH NEMA 14-30 RECEPTACLE. CIRCUIT TO BE PROTECTED BY GFCI TYPE CIRCUIT BREAKER.
  - PROVIDE CONNECTIONS FROM CONDENSING UNIT TO RESPECTIVE ROOM COOLING UNIT.



**KEYPLAN**



65% SET  
NOT FOR  
CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA

65% PRICING SET

CONSULTANT:

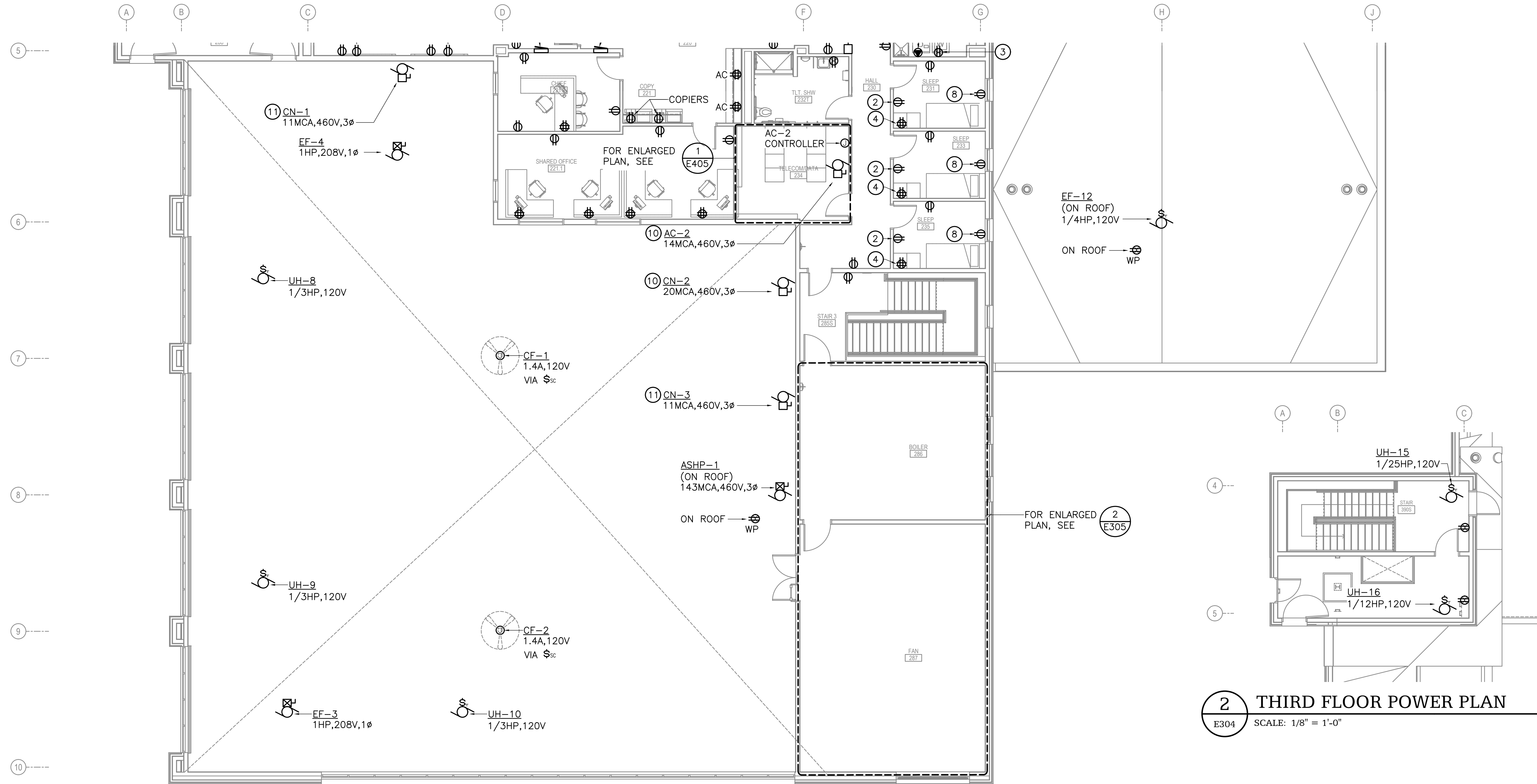
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Tel. (907) 562-1012 Fax (907) 562-1013  
AK Corporation #: ASCL881

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DATE:	2022-08-25	
DRAWN BY:	JWA	
CHECKED BY:	BAB	
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SECOND FLOOR  
POWER PLAN  
AREA A  
**E303**

NOT FOR CONSTRUCTION

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**1** SECOND FLOOR POWER PLAN - AREA B  
E304 SCALE: 1/8" = 1'-0"

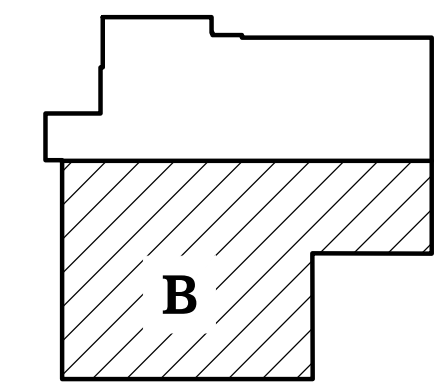
**GENERAL NOTES**

- COORDINATE WITH GENERAL CONTRACTOR TO ENSURE NEC REQUIRED WORKING CLEARANCES AND SPACES ARE MAINTAINED AROUND ELECTRICAL EQUIPMENT SUCH AS DISTRIBUTION EQUIPMENT PANELS, DISCONNECTS, MOTOR STARTERS, ETC. PER NEC 110.26. WHERE NECESSARY, PROVIDE STRUCTURAL CHANNEL (UNISTRUT) SUPPORT FOR INSTALLATION.
- COORDINATE EXACT LOCATIONS AND REQUIREMENTS OF MECHANICAL ITEMS PRIOR TO ROUGH-IN. PROVIDE ALL REQUIRED APPURTENANCES AND POWER AND CONTROL CONNECTIONS AS NEEDED FOR EQUIPMENT TO OPERATE AS COMPLETE AND FULL OPERATIONAL SYSTEMS AS INTENDED AND INDICATED IN THE DRAWINGS, SPECIFICATIONS, AND IN THE MECHANICAL SEQUENCE OF OPERATIONS. ALL REQUIRED LINE AND LOW VOLTAGE CONNECTIONS INCLUDING INTERCONNECTING CONTROL WIRING, MAY NOT BE SHOWN IN THESE DRAWINGS BUT MAY BE REQUIRED, AND IF SO ARE TO BE PROVIDED. REFERENCE MECHANICAL DOCUMENTS FOR LOCATIONS AND REQUIREMENTS.
- ALL NON-LOCKING TYPE 125V, 15 AND 20 AMP RECEPTACLES IN THE "DWELLING UNIT" PORTION OF THE BUILDING ARE TO BE TAMPER-RESISTANT TYPE RECEPTACLES.
- COORDINATE LOCATION AND HEIGHTS OF ALL ELECTRICAL OUTLETS MOUNTED ABOVE COUNTERS, BENCHES, AND BACKSPASHES WITH ARCHITECTURAL ELEVATIONS AND CASEWORK SHOP DRAWINGS.
- COORDINATE LOCATION, HEIGHT, AND ORIENTATION OF POWER AND TELECOMMUNICATIONS OUTLETS ON BUILDING PERIMETER TO AVOID CONFLICTS WITH THE MECHANICAL BASEBOARD, TYPICAL OF ALL RECEPTACLES LOCATED ON BUILDING PERIMETER. WHERE NECESSARY, ROTATE OUTLETS HORIZONTALLY TO FIT BETWEEN TOP OF BASEBOARD AND BOTTOM OF WINDOW SILL.
- GFCI RECEPTACLES SHALL BE LOCATED IN A READILY ACCESSIBLE LOCATION PER NEC 210.8. IF NOT POSSIBLE, PROVIDE CIRCUITS SUPPLIED BY A 5mA GFCI CIRCUIT BREAKER.

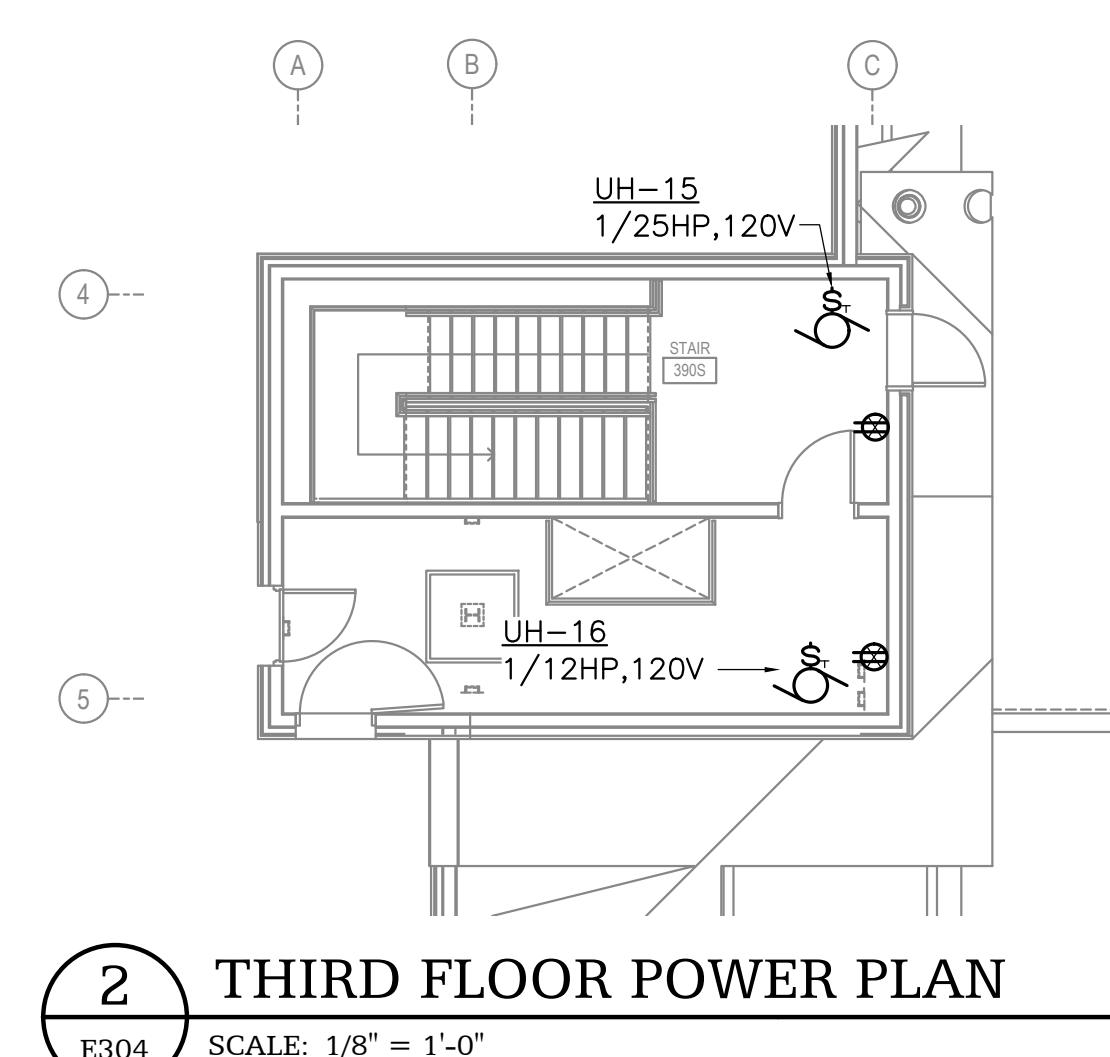
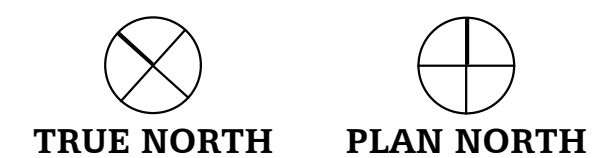
**SHEET NOTES**

INDICATED BY:

- THE FOLLOWING SHEET NOTES ARE A COMPREHENSIVE LIST APPLYING TO SHEETS E303 AND E304. NOT ALL NOTES APPLY TO EVERY SHEET.
- FLOORBOX, COORDINATE WITH OWNER FOR EXACT LOCATION PRIOR TO ROUGH-IN, TYPICAL OF ALL FLOORBOXES. ENSURE THAT FLOORBOXES ARE NO CLOSER THAN 2' APART AND ONLY 1 FLOORBOX PER 65 SQUARE FEET SPAN.
  - RECEPTACLE FOR TV. COORDINATE WITH ARCH. DRAWINGS FOR EXACT LOCATION/HEIGHT PRIOR TO ROUGH-IN. SLEEPING ROOMS, RECEPTACLE IS TO BE NO HIGHER THAN 5.5' AFF.
  - RECEPTACLE FOR CONNECTION TO WASHER. LOCATE RECEPTACLE SO IT IS READILY ACCESSIBLE LOCATION PER NEC 210.8. IF NOT POSSIBLE, PROVIDE CIRCUITS SUPPLIED BY A 5mA GFCI CIRCUIT BREAKER.
  - COORDINATE HEIGHT OF RECEPTACLE WITH ARCHITECTURAL.
  - POWER AT CEILING FOR PROJECTOR.
  - EMERGENCY SHUTOFF BUTTON FOR RANGE. SEE 2/E307. PROVIDE IDENTIFICATION.
  - RECEPTACLE FOR CONNECTION TO WATER BOTTLE FILLER. COORDINATE EXACT LOCATION AND HEIGHT. RECEPTACLE IS TO BE GFCI PROTECTED. PROVIDE WITH GROUND FAULT CIRCUIT BREAKER.
  - COORDINATE EXACT HEIGHT OF DEVICE TO AVOID CONFLICTS WITH MECHANICAL BASEBOARD. REFERENCE MECHANICAL DRAWING SHEET.
  - DRYER, 120/208V, 1Ø, 1/2"C., 3#10, 1#10G. PROVIDE WITH NEMA 14-30 RECEPTACLE. CIRCUIT TO BE PROTECTED BY GFCI TYPE CIRCUIT BREAKER.
  - PROVIDE CONNECTIONS FROM CONDENSING UNIT TO RESPECTIVE ROOM COOLING UNIT.



**KEYPLAN**



**2** THIRD FLOOR POWER PLAN  
E304 SCALE: 1/8" = 1'-0"

65% SET  
NOT FOR  
CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA  
65% PRICING SET

CONSULTANT:  
**HZA**  
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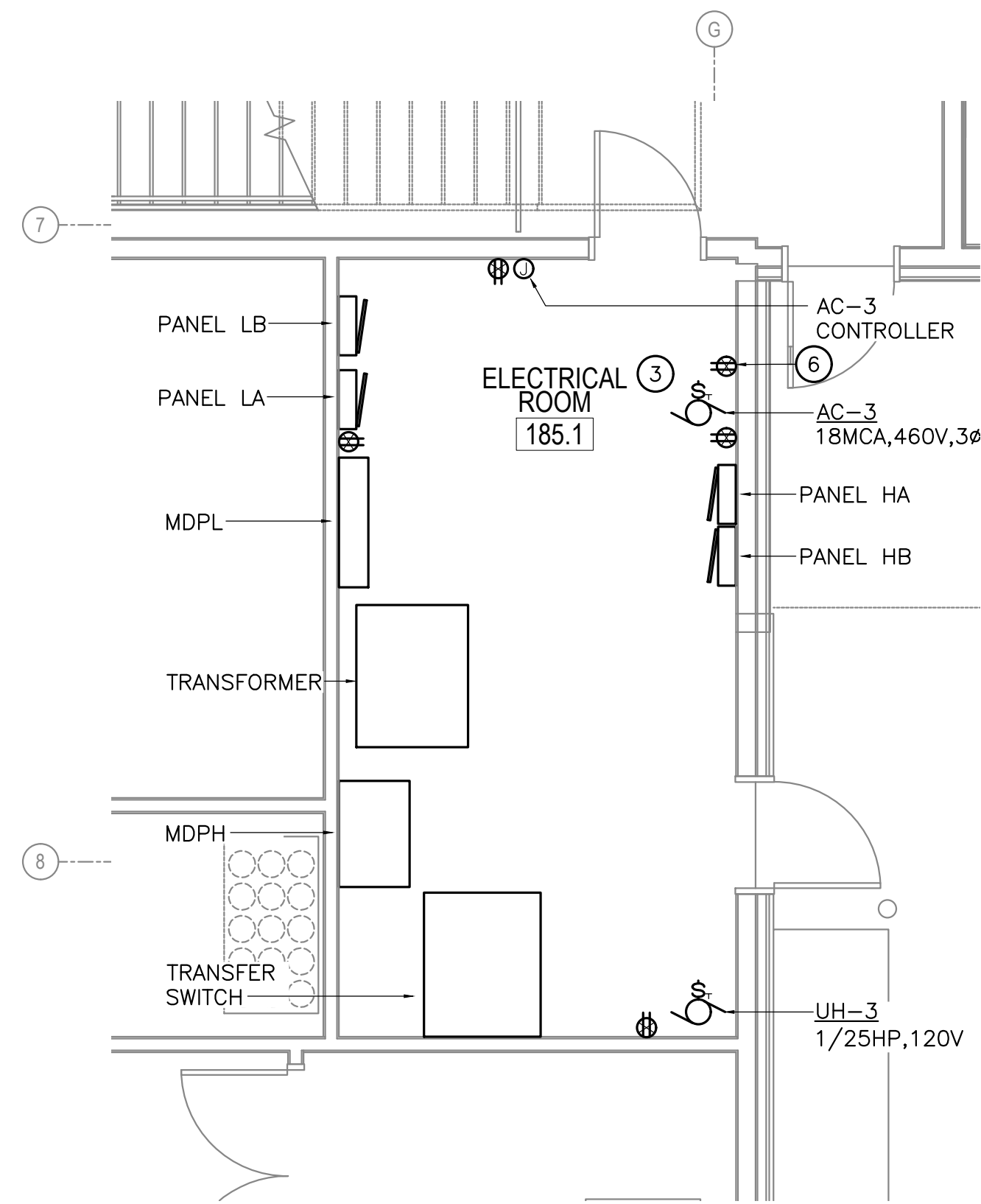
PROJECT NO: 2022.035.0  
DATE: 2022-08-25  
DRAWN BY: JWA  
CHECKED BY: BAB

REVISION	DESCRIPTION	DATE

SECOND FLOOR POWER PLAN AREA B & THIRD FLOOR POWER PLAN  
**E304**

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES



**1 ENLARGED ELECTRICAL ROOM PLAN**  
E305 SCALE: 1/4" = 1'-0"

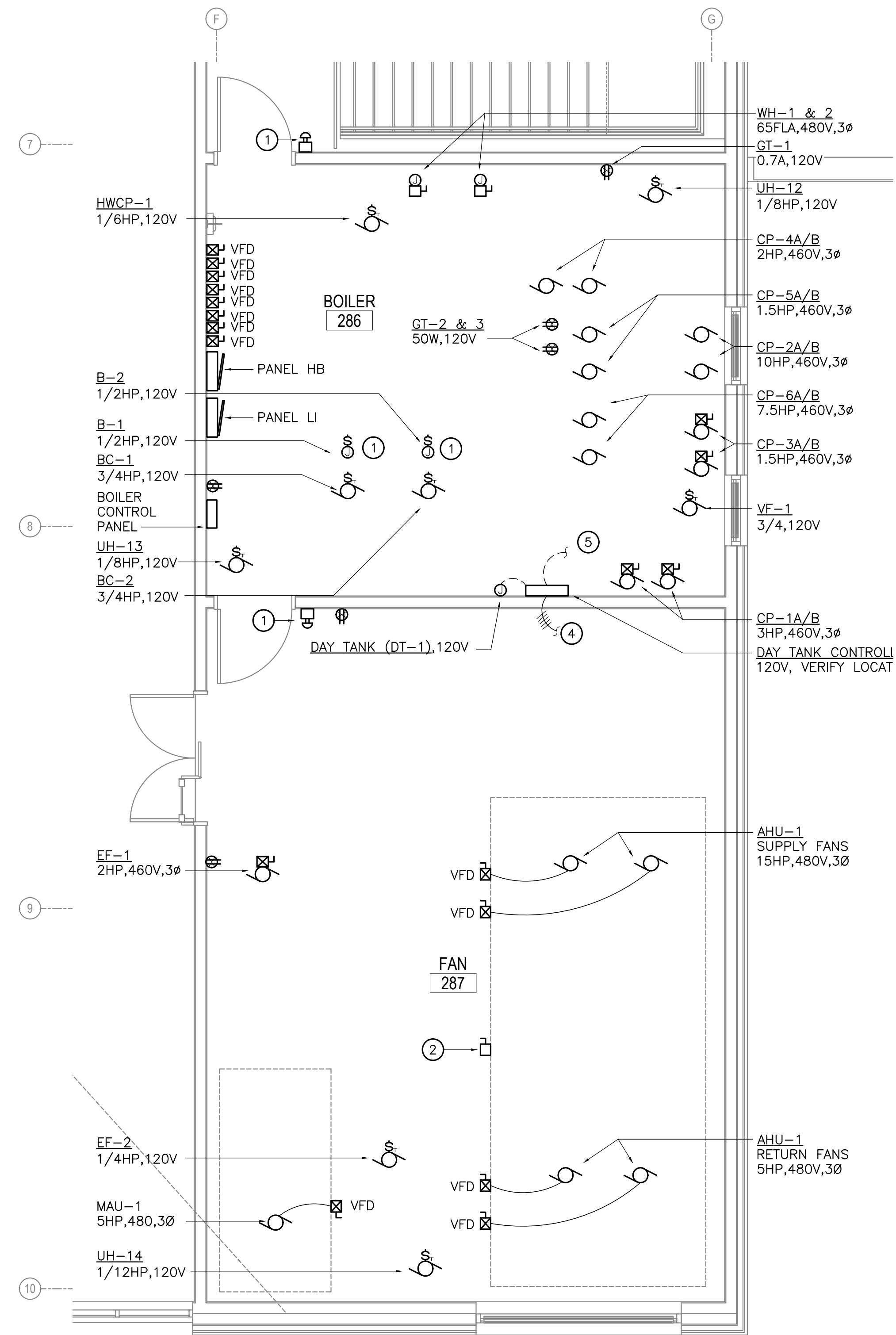
**GENERAL NOTES**

- COORDINATE WITH GENERAL CONTRACTOR TO ENSURE NEC REQUIRED WORKING CLEARANCES AND SPACES ARE MAINTAINED AROUND ELECTRICAL EQUIPMENT SUCH AS DISTRIBUTION EQUIPMENT PANELS DISCONNECTS, MOTOR STARTERS, ETC. PER NEC 110.26. WHERE NECESSARY, PROVIDE STRUCTURAL CHANNEL (UNISTRUT) SUPPORT FOR INSTALLATION.
- COORDINATE EXACT LOCATIONS AND REQUIREMENTS OF MECHANICAL ITEMS PRIOR TO ROUGH-IN. PROVIDE ALL REQUIRED APPURTENANCES AND POWER AND CONTROL CONNECTIONS AS NEEDED FOR EQUIPMENT TO OPERATE AS COMPLETE AND FULL OPERATIONAL SYSTEMS AS INTENDED AND INDICATED IN THE DRAWINGS, SPECIFICATIONS, AND IN THE MECHANICAL SEQUENCE OF OPERATIONS. ALL REQUIRED LINE AND LOW VOLTAGE CONNECTIONS INCLUDING INTERCONNECTING CONTROL WIRING, MA NOT BE SHOWN IN THESE DRAWINGS BUT MAY BE REQUIRED, AND IF SO ARE TO BE PROVIDED, REFERENCE MECHANICAL DOCUMENTS FOR LOCATIONS AND REQUIREMENTS

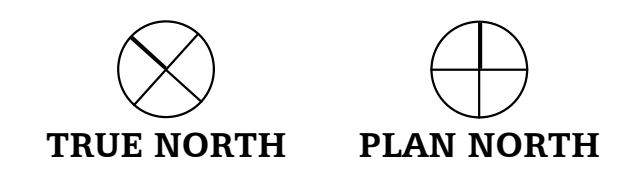
**SHEET NOTES**

INDICATED BY: (f)

- COORDINATE WITH MECHANICAL FOR THE PROVIDING AND INSTALLING OF BOILER EMERGENCY SHUTDOWN CONTROLS. PROVIDE ALL CONNECTIONS AND APPURTENANCES AS REQUIRED BY ASME CSD-1 AND MECHANICAL DRAWINGS.
- JUNCTION BOX AND DISCONNECT FOR POWER CONNECTION TO PRE-WIRED RECEPTACLES AND LIGHTING MOUNTED IN UNIT.
- PROVIDE CONNECTIONS FROM CONDENSING UNIT TO RESPECTIVE ROOM COOLING UNIT.
- PROVIDE POWER AND CONTROL CONNECTIONS TO REMOTE DUPLEX PUMPS, LOCATED ON THE EXTERIOR OF THE BUILDING, SEE E302.
- PROVIDE CONDUIT AND CONNECTIONS BETWEEN DAYTANK, DAYTANK CONTROLLER, AND FUEL OIL TANK SOLENOID VALVE AS REQUIRED FOR INTENDED OPERATION. COORDINATE WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER FOR REQUIREMENTS.
- RECEPTACLE FOR CONDENSATE PUMP. COORDINATE WITH MECHANICAL FOR EXACT HEIGHT AND LOCATION PRIOR TO ROUGH-IN.



**2 ENLARGED BOILER AND FAN ROOM PLAN**  
E305 SCALE: 1/4" = 1'-0"



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**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
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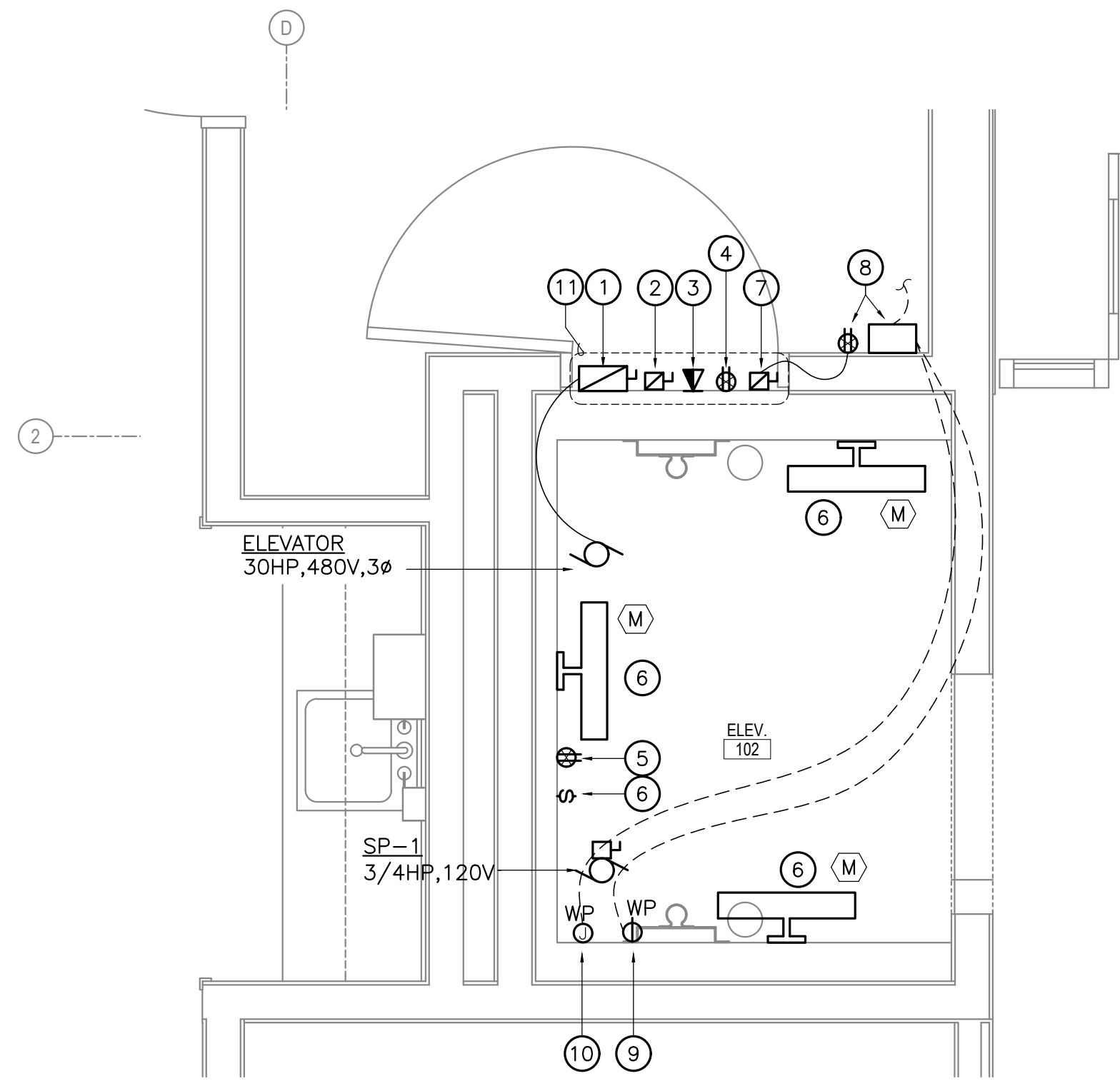
PROJECT NO:	2022.035.0
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REVISION	DESCRIPTION	DATE

ENLARGED ELECTRICAL PLANS  
**E305**

NOT FOR CONSTRUCTION

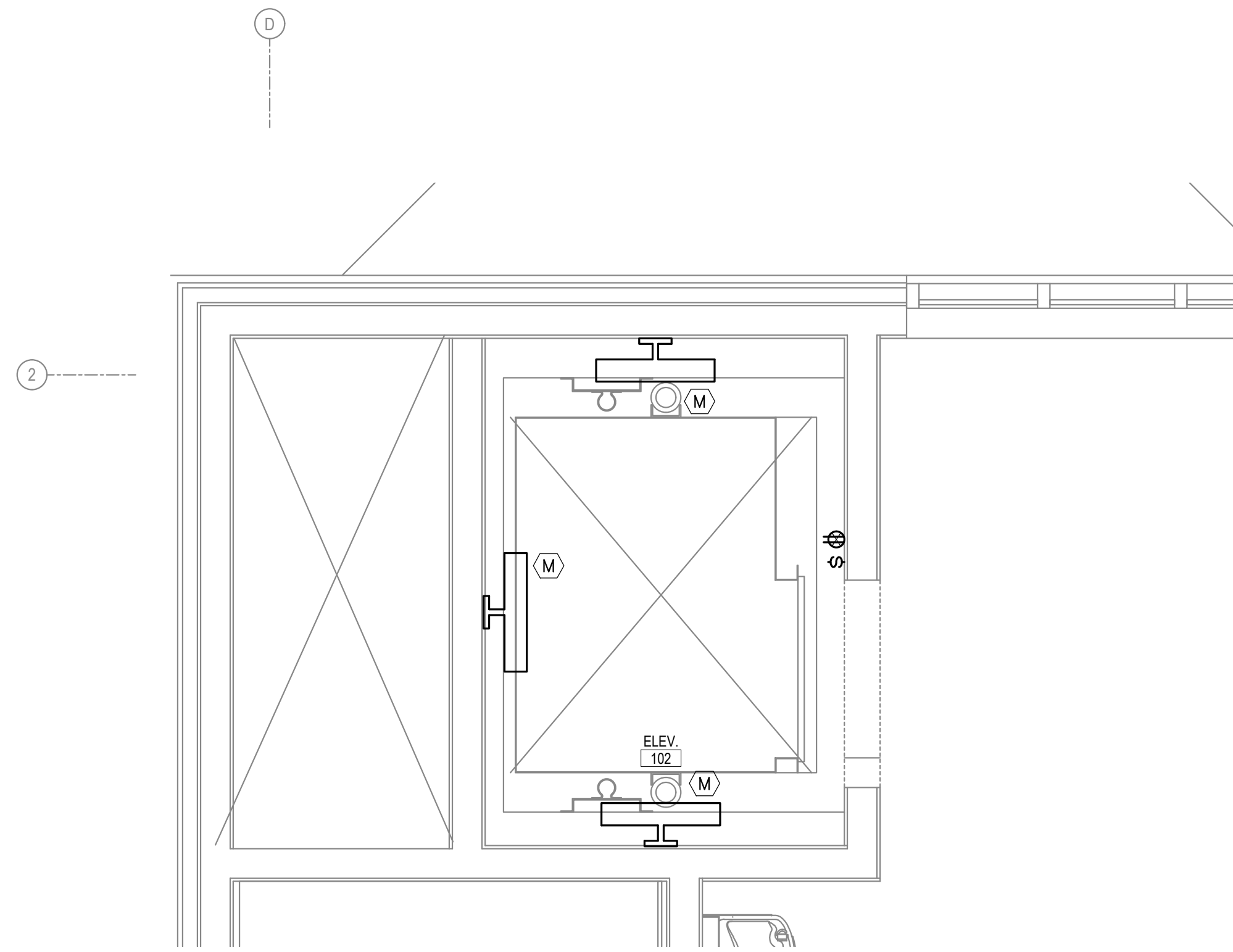
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**1** ENLARGED ELEVATOR PIT PLAN  
E306 SCALE: 1/2" = 1'-0"

**GENERAL NOTES**

1. THE ELECTRICAL DETAIL AND DESIGN FOR THE ELEVATOR IS SCHEMATIC IN NATURE AND DOES NOT SHOW EXACT LOCATIONS OF REQUIRED CONNECTIONS. EACH ELEVATOR MANUFACTURER AND DIFFERENT TYPE (OTIS, TK; HYDRAULIC, TRACTION, MACHINE ROOM, MACHINE-ROOM-LESS, ETC) HAS DIFFERENT DESIGNS (QUANTITY AND LOCATION OF MACHINE AND CONTROL SPACES, INTEGRAL DISCONNECTS WITH LANDING TERMINATION POINTS, SHROUDS FOR CONTRACTOR PROVIDED DISCONNECTS, ETC.) AND THEREFORE WILL HAVE DIFFERENT ELECTRICAL REQUIREMENTS. I.E. DEDICATED LIGHTING AND/OR POWER AT THE TOP OF THE HOISTWAY AND THE LANDING WHERE THE CONTROLLER AND/OR CONTROL SPACE IS ACCESSED; LOCATIONS OF THE CONTROL EQUIPMENT, FIXTURES, AND DEVICES; SIZE OF THE ELEVATOR FEEDER AND ASSOCIATED OVERCURRENT PROTECTIVE DEVICES INTERCONNECTION WITH THE STANDBY GENERATOR TRANSFER SWITCH FOR SIGNALING RETRANSFER FROM STANDBY TO NORMAL POWER; ETC. THIS DETAIL IS PROVIDED TO ESTABLISH A GENERAL BASIS OF REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE ELEVATOR SUPPLIER TO DETERMINE EXACT ELECTRICAL REQUIREMENTS, LOCATIONS, CONNECTION TYPES, ETC. PRIOR TO ORDERING AND ROUGH-IN OF ELECTRICAL SYSTEMS ASSOCIATED WITH THE ELEVATOR.
2. COORDINATE EXACT LOCATIONS AND REQUIREMENTS OF MECHANICAL AND ELEVATOR EQUIPMENT INCLUDING CONNECTION TYPES PRIOR TO ROUGH-IN. PROVIDE ALL REQUIRED APPURTENANCES AND POWER AND CONTROL CONNECTIONS AS NEEDED FOR EQUIPMENT TO OPERATE AS COMPLETE AND FULLY OPERATIONAL SYSTEMS. ALL REQUIRED LINE AND LOW VOLTAGE CONNECTION INCLUDING INTERCONNECTING CONTROL WIRING, MAY NOT BE SHOWN IN THESE DRAWINGS, BUT MAY BE REQUIRED, AND IF SO ARE TO BE PROVIDED. DEVICES, CONTROLS, AND FIXTURES SHALL BE SUITABLE FOR CONSTRUCTION OF A TYPE, AND RATED FOR INTENDED USE. PROVIDE APPROPRIATE DISCONNECTING MEANS AS REQUIRED. REFERENCE ALSO MECHANICAL AND ELEVATOR DOCUMENTS FOR LOCATIONS AND REQUIREMENTS.
3. COORDINATE EXACT LOCATIONS OF FIXTURES AND DEVICES TO BE PROVIDED IN THE PIT, HOISTWAY, MACHINE AND CONTROL SPACES WITH ELEVATOR SYSTEMS SUPPLIER TO AVOID CONFLICT.
4. GFCI RECEPTACLES SHALL BE LOCATED IN A READILY ACCESSIBLE LOCATION PER NEC 210.8.
5. FIRE ALARM DEVICES ASSOCIATED WITH THE ELEVATOR ARE NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETE DESIGN AND INSTALLATION OF THE FIRE DETECTION/RECALL SYSTEMS, INCLUDING ANY REQUIRED DETECTORS IN THE MACHINE AND CONTROL SPACES, LOBBIES, AND SHAFT/HOISTWAY TO CAPTURE, RETURN, AND/OR DISCONNECT POWER TO THE ELEVATOR IN ACCORDANCE WITH NFPA 72 AND ASME 17.1 RULE 2.27.3. PROVIDE CONNECTIONS TO ELEVATOR SHUNT TRIP DISCONNECT SYSTEM IF REQUIRED. COORDINATE WITH FIRE SUPPRESSION SYSTEM DESIGN.
6. COORDINATE WITH GENERAL CONTRACTOR TO ENSURE NEC REQUIRED WORKING CLEARANCES AND SPACES ARE MAINTAINED AROUND ELECTRICAL EQUIPMENT SUCH AS DISTRIBUTION EQUIPMENT, PANELS, DISCONNECTS, MOTOR STARTERS, ETC. PER NEC 110.26. WHERE NECESSARY, PROVIDE STRUCTURAL CHANNEL (UNISTRUT) SUPPORT FOR INSTALLATION.
7. FIRE ALARM DEVICES ARE NOT SHOWN, BUT ARE REQUIRED. REFERENCE FIRE ALARM NOTE ON SHEET E001.

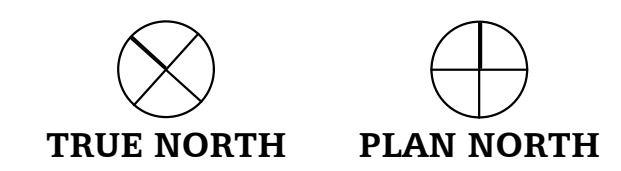


**2** ENLARGED ELEVATOR HOISTWAY PLAN  
E306 SCALE: 1/2" = 1'-0"

**SHEET NOTES**

INDICATED BY: #

1. ELEVATOR FUSED DISCONNECT IN CONTROL/MACHINE SPACE SHROUD. CONFIRM FUSE RATING WITH ELEVATOR SUPPLIER. CONNECT TO ELEVATOR CONTROLLER. ELEVATOR ASSUMED TO BE 30HP 480V 3Ø. IF BATTERY LOWERING OPTION IS PROVIDED, PROVIDE AUXILIARY CONTACTS IN MAIN DISCONNECT AND COORDINATE CONNECTION TO CONTROLLER WITH ELEVATOR SUPPLIER. PROVIDE ADDITIONAL CONNECTIONS IF REQUIRED FOR PROVIDED OPTIONS (BATTERY LOWERING OPTION, FIRE ALARM SYSTEM MONITORING OF SHUNT TRIP, CONTROL CIRCUIT STATUS, ETC). PROVIDE FIRE ALARM SYSTEM MONITORING OF SHUNT TRIP (IF PROVIDED) CONTROL CIRCUIT STATUS PER 2010 NFPA 72 21.4.4. ELEVATOR EQUIPMENT SHALL BE RATED IN EXCESS OF THE CALCULATED FAULT CURRENT (SEE E501). PROVIDE MAXIMUM AVAILABLE SHORT-CIRCUIT CURRENT, LEGIBLY MARKED ON ELEVATOR CONTROL PANEL AS REQUIRED BY NEC 620.51 D.
2. LOCKABLE 20A FUSED DISCONNECT IN CONTROL/MACHINE SPACE SHROUD FOR SUPPLY CIRCUIT TO ELEVATOR CAB. LABEL SWITCH "ELEVATOR CAB LIGHTS". PROVIDE CONNECTION TO ELEVATOR CONTROLLER.
3. PROVIDE AND INSTALL DEDICATED PHONE LINE TO ELEVATOR CONTROLLER. CONTRACTOR TO VERIFY AND COORDINATE TERMINATION REQUIREMENTS WITH ELEVATOR SUPPLIER.
4. 20A, 120V GFCI CONVENIENCE OUTLET AS REQUIRED FOR CONTROL/MACHINE SPACE. COORDINATE EXACT LOCATION.
5. WEATHER RESISTANT GFCI TYPE RECEPTACLE WITH WET WHILE-IN-USE COVER TO BE LOCATED IN ELEVATOR PIT. COORDINATE EXACT LOCATION.
6. COORDINATE EXACT LOCATION OF LIGHTS IN PIT TO AVOID CONFLICTS AND ADEQUATELY PROVIDE ILLUMINATION AT MACHINE SPACE. PROVIDE CONNECTION TO SWITCH (COORDINATE LOCATION) IN PIT FOR CONTROL.
7. ENCLOSED EXTERNALLY OPERABLE FUSED MOTOR CIRCUIT SWITCH OR CIRCUIT BREAKER CAPABLE OF BEING LOCKED IN THE OPEN POSITION FOR CONNECTION TO AND CONTROL OF SUMP PUMP (RECEPTACLE) THROUGH CONTROL PANEL, SPECIFIED BY MECHANICAL (AND POWERED BY SEPARATE RECEPTACLE). COORDINATE WITH MECHANICAL FOR LOCATION OF CONTROL PANEL, AND ANY ADDITIONAL REQUIREMENTS. COORDINATE WITH AHJ FOR APPROVAL TO LOCATE FUSED DISCONNECT IN ELEVATOR SHROUD, LOCATE IN ADJACENT ROOM IF NECESSARY.
8. SUMP PUMP CONTROLLER SPECIFIED BY MECHANICAL. CONTROLLER IS TO PLUG INTO ADJACENT RECEPTACLE AND CONTROL (DE-ENERGIZE UPON ALARM) RECEPTACLE IN ELEVATOR PIT DESIGNATED FOR THE SUMP PUMP. PROVIDE CONDUIT AND WIRING FROM CONTROLLER FOR POWERING PIT SUMP PUMP RECEPTACLE AS WELL AS TO FLOAT CONTROLS. REFERENCE MECHANICAL FOR LOCATIONS AND ADDITIONAL REQUIREMENTS.
9. SINGLE RECEPTACLE FOR SUMP PUMP. RECEPTACLE IS TO BE CONTROLLED (DE-ENERGIZED UPON ALARM) BY CONTROL PANEL SPECIFIED BY MECHANICAL. COORDINATE WITH ELEVATOR SYSTEM SUPPLIER AND MECHANICAL FOR BEST LOCATION OF RECEPTACLE. RECEPTACLE SHALL BE WEATHER RESISTANT TYPE WITH WET WHILE-IN-USE-COVER.
10. JUNCTION BOX FOR CONNECTION TO SUMP PUMP CONTROLLER FLOATS. PROVIDE CONDUIT AND WIRING AS REQUIRED BETWEEN CONTROLLER AND FLOAT CONTROLS.
11. ELECTRICAL IS TO BE LOCATED WITHIN THE ELEVATOR MACHINE/CONTROL ACCESS SPACE.



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**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA

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CONSULTANT:

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113 W. Northern Lights Blvd., Suite 240  
Anchorage, Alaska 99509  
Tel. (907) 562-1012 Fax (907) 562-1013  
AK Corporation #: AKCL881

PROJECT NO:	2022.035.0
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CHECKED BY:	BAB

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ENLARGED ELECTRICAL  
ELEVATOR PLANS

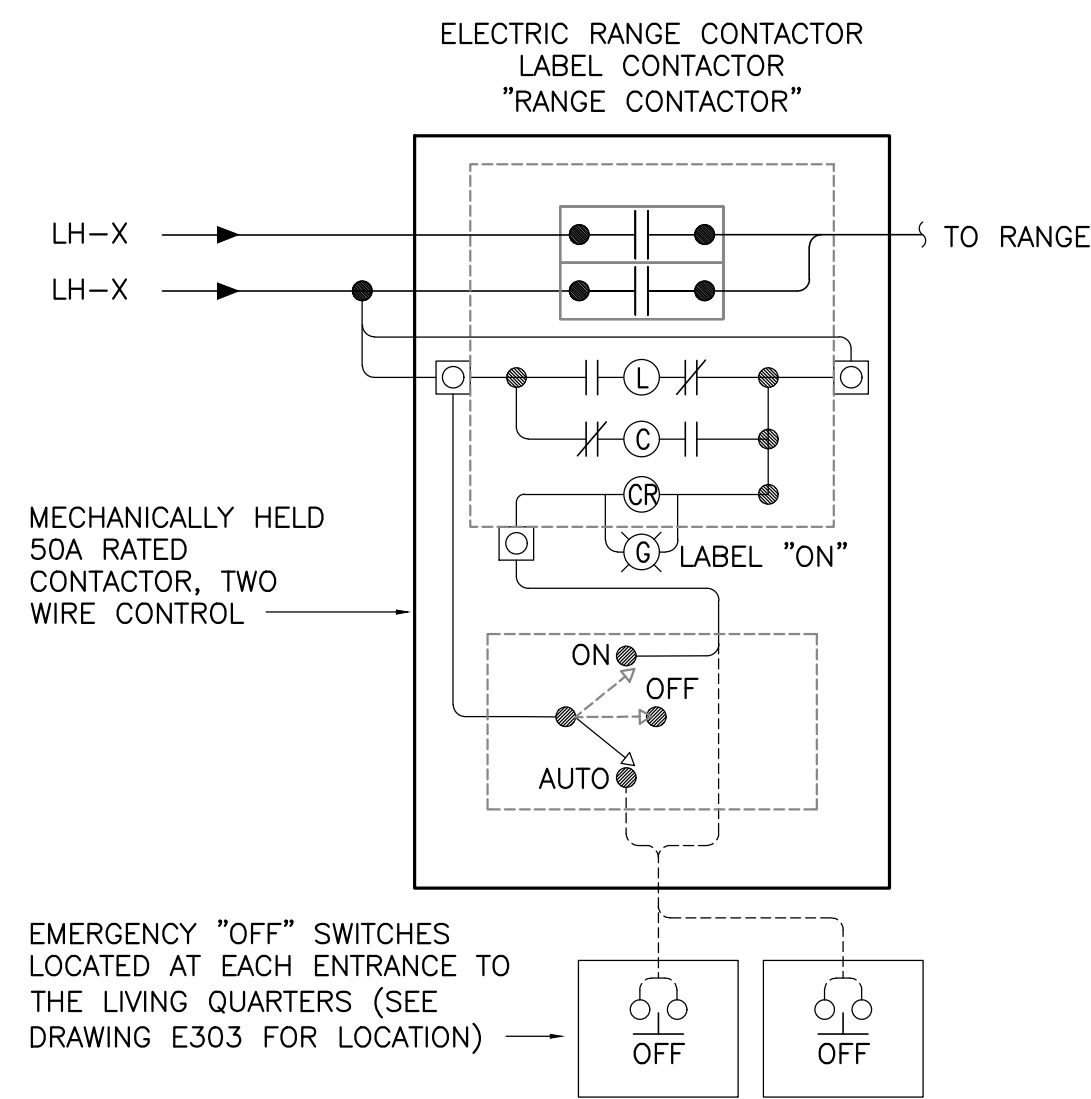
**E306**

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1" ACTUAL



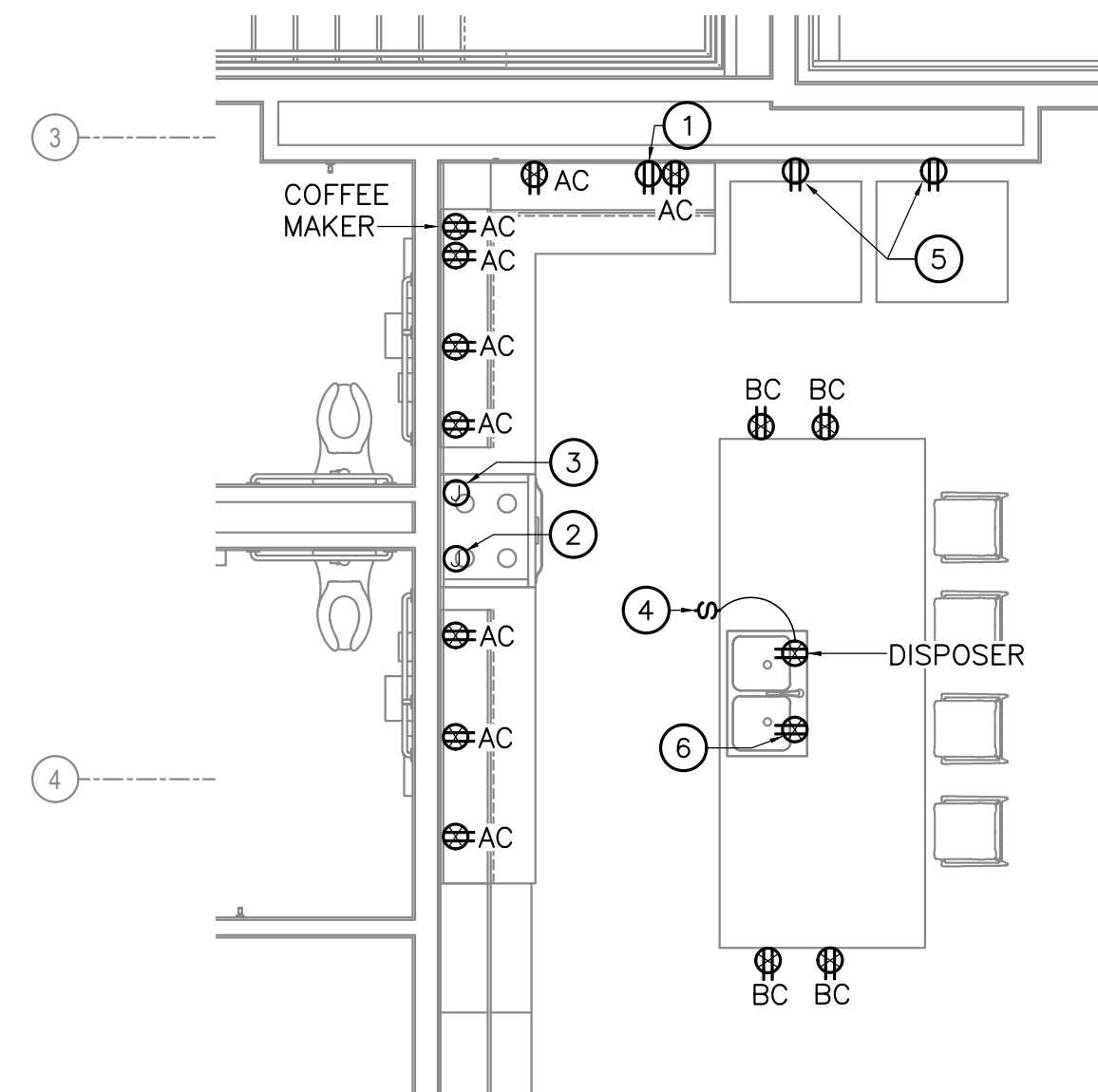
**SEQUENCE OF OPERATION:**

**ON:** CONTACTOR CLOSED, RANGE CAN BE TURNED ON UNTIL MANUALLY SHUT OFF

**AUTO:** UPON PRESSING EITHER OF THE EMERGENCY DISCONNECTS, RANGE BECOMES DE-ENERGIZED, UNTIL MANUALLY RESET.

**OFF:** CONTACTOR OPEN, RANGE OFF

**2 ELECTRIC RANGE CONTACTOR "RLC" DETAIL**  
E307 SCALE: NO SCALE



**1 ENLARGED KITCHEN PLAN**  
E307 SCALE: 1/4" = 1'-0"

**GENERAL NOTES**

- COORDINATE WITH GENERAL CONTRACTOR TO ENSURE NEC REQUIRED WORKING CLEARANCES AND SPACES ARE MAINTAINED AROUND ELECTRICAL EQUIPMENT SUCH AS DISTRIBUTION EQUIPMENT PANELS DISCONNECTS, MOTOR STARTERS, ETC. PER NEC 110.26. WHERE NECESSARY, PROVIDE STRUCTURAL CHANNEL (UNISTRUT) SUPPORT FOR INSTALLATION.
- COORDINATE EXACT LOCATIONS AND REQUIREMENTS OF MECHANICAL ITEMS PRIOR TO ROUGH-IN. PROVIDE ALL REQUIRED APPURTENANCES AND POWER AND CONTROL CONNECTIONS AS NEEDED FOR EQUIPMENT TO OPERATE AS COMPLETE AND FULL OPERATIONAL SYSTEMS AS INTENDED AND INDICATED IN THE DRAWINGS, SPECIFICATIONS, AND IN THE MECHANICAL SEQUENCE OF OPERATIONS. ALL REQUIRED LINE AND LOW VOLTAGE CONNECTIONS INCLUDING INTERCONNECTING CONTROL WIRING, MA NOT BE SHOWN IN THESE DRAWINGS BUT MAY BE REQUIRED, AND IF SO ARE TO BE PROVIDED, REFERENCE MECHANICAL DOCUMENTS FOR LOCATIONS AND REQUIREMENTS
- ALL NON-LOCKING TYPE 125V, 15 AND 20 AMP RECEPTACLES IN THE "DWELLING UNIT" PORTION IF THE BUILDING ARE TO BE TAMPER-RESISTANT TYPE RECEPTACLES.
- COORDINATE LOCATION AND HEIGHTS OF ALL ELECTRICAL OUTLETS MOUNTED ABOVE COUNTERS, BENCHES, AND BACKSPASHES WITH ARCHITECTURAL ELEVATIONS AND CASEWORK SHOP DRAWINGS

**SHEET NOTES**

INDICATED BY: f

- RECEPTACLE FOR MICROWAVE ON SHELF, COORDINATE EXACT HEIGHT AND LOCATION PRIOR TO ROUGH-IN. RECEPTACLE IS TO BE GFCI PROTECTED. PROVIDE WITH GROUND FAULT CIRCUIT BREAKER IF THE GFCI RECEPTACLE CANNOT BE LOCATED IN A READILY ACCESSIBLE AREA.
- ELECTRIC DROP-IN RANGE, 208V 1Ø. PROVIDE JUNCTION BOX IN ACCESSIBLE LOCATION AND 3/4"C, 3#8, 1#10 (CU) BRANCH CIRCUIT FOR CONNECTION TO RANGE. COORDINATE WITH FURNITURE INSTALLER FOR LOCATION IN ADJACENT CABINETRY. ROUTE CONDUCTORS THROUGH A 50 AMP 2 POLE CONTACTOR WITH EMERGENCY SHUTOFF FROM 2 DISCONNECT SWITCHES, SEE DETAIL 2.
- POWER CONNECTION FOR RANGE HOOD. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
- SWITCH FOR GARBAGE DISPOSER. SWITCH TO BE MOUNTED IN FACE OF CABINETRY OR IN LOCATION DETERMINED BY ARCHITECT FOR CONTROL OF GARBAGE DISPOSER. COORDINATE WITH ARCHITECT FOR EXACT LOCATION OF SWITCH.
- RECEPTACLES FOR CONNECTION TO REFRIGERATORS. RECEPTACLES ARE TO BE GFCI PROTECTED. PROVIDE WITH 5mA GFCI TYPE CIRCUIT BREAKER. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH IN.
- RECEPTACLE FOR CONNECTION TO DISHWASHER. LOCATE RECEPTACLE IN ADJACENT SPACE TO THE SPACE OCCUPIED BY THE DISHWASHER PER NEC 422.16(B)(2). COORDINATE EXACT LOCATION WITH CABINETRY PROVIDER TO AVOID CONFLICT AND REMAIN READILY ACCESSIBLE.



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**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA

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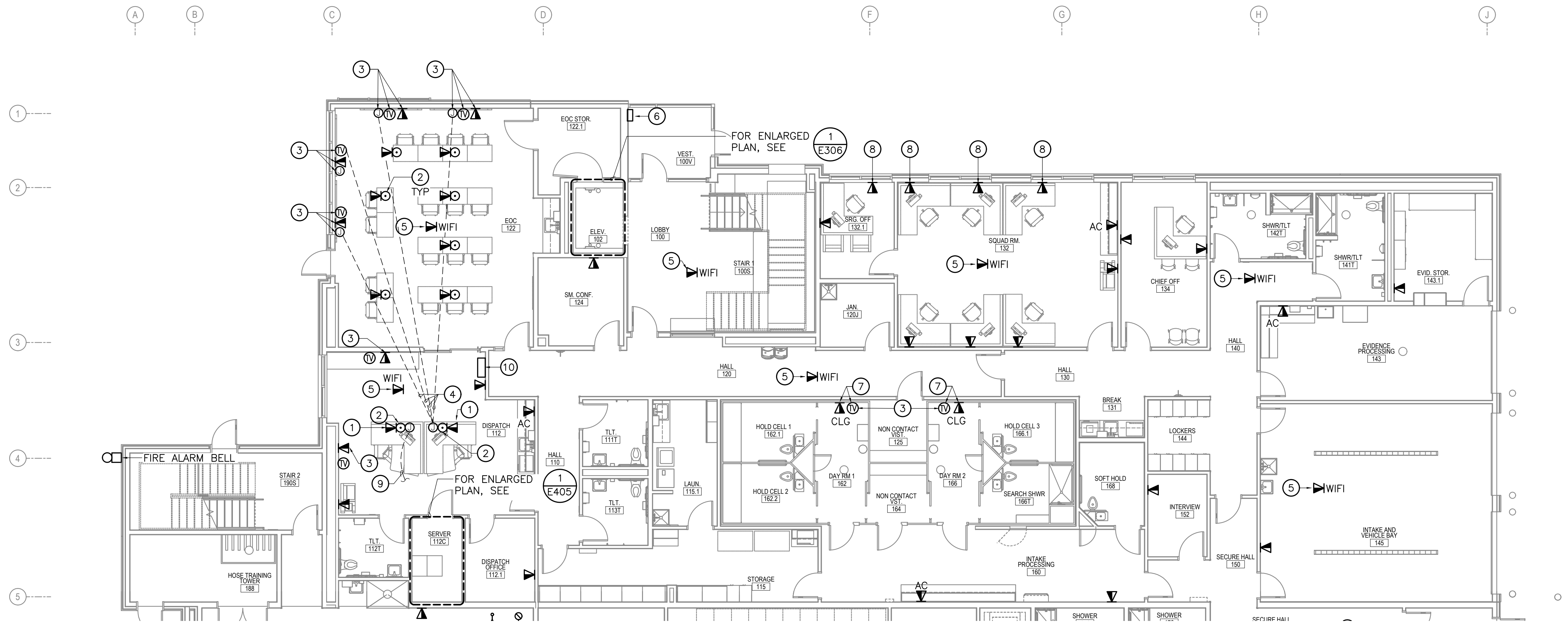
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ENLARGED ELECTRICAL PLANS  
**E307**

NOT FOR CONSTRUCTION

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**1** FIRST FLOOR SIGNAL PLAN - AREA A  
E401 SCALE: 1/8" = 1'-0"

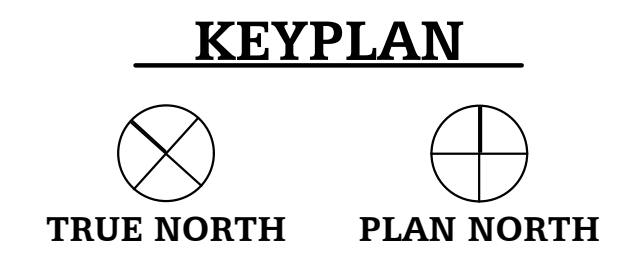
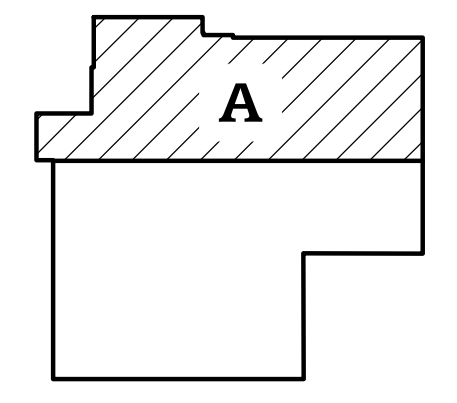
**GENERAL NOTES**

- FIRE ALARM DEVICES NOT SHOWN, BUT ARE REQUIRED. REFERENCE FIRE ALARM NOTE ON SHEET E001.
- ALL ELECTRICAL BOXES PENETRATING VAPOR RETARDERS SHALL BE SEALED, INCLUDING ALL OPENINGS IN SIDES AND BACK OF BOXES.
- COORDINATE LOCATION AND HEIGHTS OF ALL ELECTRICAL OUTLETS MOUNTED ABOVE COUNTERS, BENCHES, AND BACKSPASHES WITH ARCHITECTURAL ELEVATIONS AND CASEWORK SHOP DRAWINGS.
- COORDINATE LOCATION, HEIGHT, AND ORIENTATION OF TELECOMMUNICATION OUTLETS ON BUILDING PERIMETER TO AVOID CONFLICTS WITH MECHANICAL BASEBOARD, TYPICAL OF ALL RECEPTACLES LOCATED ON BUILDING PERIMETER. WHERE NECESSARY, ROTATE OUTLETS HORIZONTALLY WHERE REQUIRED TO FIT BETWEEN TOP OF BASEBOARD AND BOTTOM OF WINDOW SILL.
- REFERENCE SPECIAL SYSTEMS DRAWINGS FOR ADDITIONAL REQUIREMENTS ASSOCIATED WITH THE CAMERA SURVEILLANCE SYSTEMS, INTERCOM SYSTEMS, PUBLIC ADDRESS/SPEAKER SYSTEMS, ACCESS CONTROLS, DETENTION AREA DOORS AND CONTROLS, AND REMOTE CONTROLS FOR AREA DOOR ACCESS. COORDINATE THE PROVIDING, ROUGH-IN, AND INSTALLATION, OF EQUIPMENT, WIRING, AND POWER AND CONTROL CONNECTIONS, AS NEEDED FOR A COMPLETE AND OPERABLE SYSTEM AS INTENDED.
- REFERENCE DIVISION 08 OF THE SPECIFICATIONS FOR REQUIREMENTS FOR ALL SCREWS (TO BE SECURITY SCREWS) TO BE USED FOR ALL ELECTRICAL DEVICES, TELECOM DEVICES, TV DEVICES, FIRE ALARM DEVICES, COVER PLATES, ETC. WHERE LOCATED WITHIN THE DETENTION AREAS (HOLDING CELLS, DAYROOMS, NON-CONTACT VISIT 1).

**SHEET NOTES**

INDICATED BY: **#**

- CONTRACTOR TO PROVIDE AND INSTALL 8 EA. CAT6 STP CABLES FROM THIS LOCATION TO DISPATCH SERVER 112C FOR TERMINATION BY OWNER'S DISPATCH EQUIPMENT INSTALLER FOR 911 DISPATCH AND VOICE LOGGER EQUIPMENT.
- FLOORBOX, COORDINATE WITH OWNER FOR EXACT LOCATION PRIOR TO ROUGH-IN, TYPICAL OF ALL FLOORBOXES.
- COORDINATE WITH ARCHITECTURAL FOR EXACT HEIGHT/ LOCATION OF TELEVISION AND TELECOM OUTLET.
- PROVIDE CONDUITS AND CABLING BETWEEN DISPATCH AND EOC. SCREENS ON WALL. COORDINATE WITH USER FOR REQUIREMENTS.
- WIRELESS TELECOMMUNICATION ACCESS PORT, 1 CAT 6 CABLE AND JACK AT CEILING.
- FIRE ALARM ANNUNCIATOR PANEL. COORDINATE WITH TENANT AND A.H.J. FOR APPROVED LOCATION.
- TV OUTLET AND TELECOM OUTLET TO BE PROVIDED WITH SECURITY COVER PLATE. COORDINATE EXACT LOCATION AND HEIGHT.
- COORDINATE EXACT HEIGHT OF DEVICE TO AVOID CONFLICTS WITH MECHANICAL BASEBOARD. REFERENCE MECHANICAL DRAWING SHEET.
- PROVIDE CONDUITS AND CABLING BETWEEN DISPATCH AND SCREEN IN APPARATUS BAY. COORDINATE WITH USER FOR REQUIREMENTS.
- FIRE ALARM CONTROL PANEL. PROVIDE WITH TWO DEDICATED PHONE LINES. COORDINATE WITH TENANT AND A.H.J. FOR APPROVED LOCATION.
- PROPOSED LOCATION OF 8 INPUT AUTOMATIC DIALER (SENSAPHONE EXPRESS 2 OR EQUAL) FOR CONNECTION TO AND MONITORING OF THE BUILDING TEMPERATURE, POWER AND GENERATOR HIGH/LOW FUEL LEVELS. PROVIDE AND INSTALL COMPATIBLE SENSORS. COORDINATE WITH USER FOR QUANTITIES AND LOCATIONS OF TEMPERATURE SENSORS



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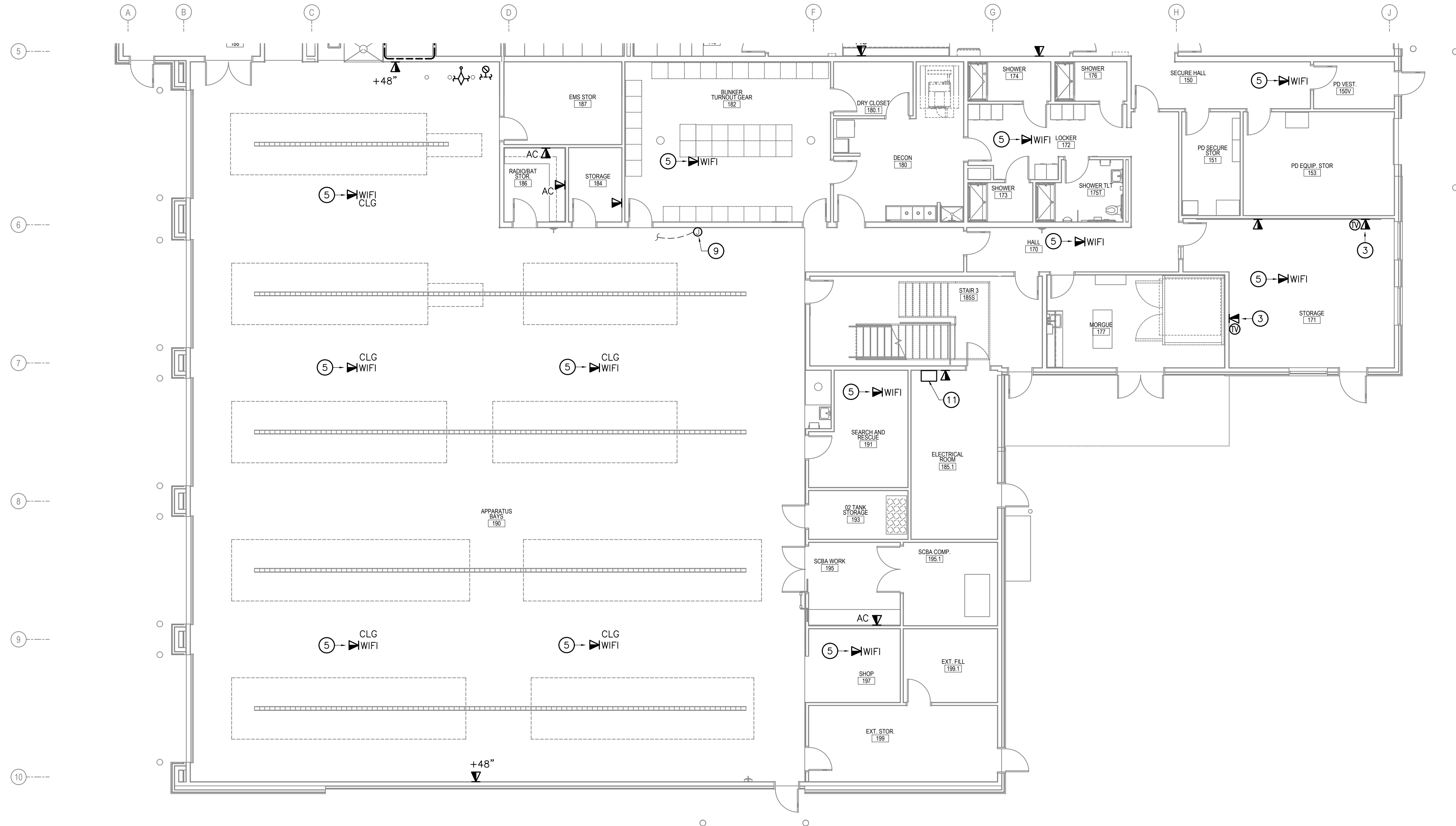
PROJECT NO: 2022.035.0  
DATE: 2022-08-25  
DRAWN BY: JWA  
CHECKED BY: BAB

REVISION	DESCRIPTION	DATE

FIRST FLOOR  
SIGNAL PLAN  
AREA A  
**E401**

NOT FOR CONSTRUCTION

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES



**1** FIRST FLOOR SIGNAL PLAN - AREA B  
E402 SCALE: 1/8" = 1'-0"

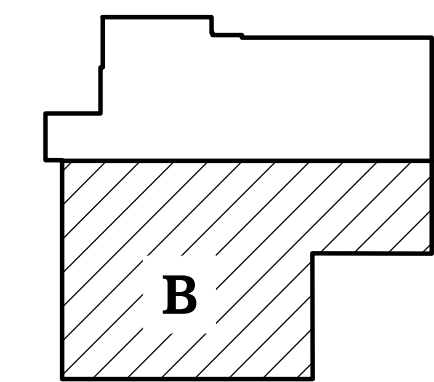
**GENERAL NOTES**

- FIRE ALARM DEVICES NOT SHOWN, BUT ARE REQUIRED. REFERENCE FIRE ALARM NOTE ON SHEET E001.
- ALL ELECTRICAL BOXES PENETRATING VAPOR RETARDERS SHALL BE SEALED, INCLUDING ALL OPENINGS IN SIDES AND BACK OF BOXES.
- COORDINATE LOCATION AND HEIGHTS OF ALL ELECTRICAL OUTLETS MOUNTED ABOVE COUNTERS, BENCHES, AND BACKSPASHES WITH ARCHITECTURAL ELEVATIONS AND CASEWORK SHOP DRAWINGS.
- COORDINATE LOCATION, HEIGHT, AND ORIENTATION OF TELECOMMUNICATION OUTLETS ON BUILDING PERIMETER TO AVOID CONFLICTS WITH MECHANICAL BASEBOARD, TYPICAL OF ALL RECEPTACLES LOCATED ON BUILDING PERIMETER. WHERE NECESSARY, ROTATE OUTLETS HORIZONTALLY WHERE REQUIRED TO FIT BETWEEN TOP OF BASEBOARD AND BOTTOM OF WINDOW SILL.
- REFERENCE SPECIAL SYSTEMS DRAWINGS FOR ADDITIONAL REQUIREMENTS ASSOCIATED WITH THE CAMERA SURVEILLANCE SYSTEMS, INTERCOM SYSTEMS, PUBLIC ADDRESS/SPEAKER SYSTEMS, ACCESS CONTROLS, DETENTION AREA DOORS AND CONTROLS, AND REMOTE CONTROLS FOR AREA DOOR ACCESS. COORDINATE THE PROVIDING, ROUGH-IN, AND INSTALLATION, OF EQUIPMENT, WIRING, AND POWER AND CONTROL CONNECTIONS, AS NEEDED FOR A COMPLETE AND OPERABLE SYSTEM AS INTENDED.
- REFERENCE DIVISION 08 OF THE SPECIFICATIONS FOR REQUIREMENTS FOR ALL SCREWS (TO BE SECURITY SCREWS) TO BE USED FOR ALL ELECTRICAL DEVICES, TELECOM DEVICES, TV DEVICES, FIRE ALARM DEVICES, COVER PLATES, ETC. WHERE LOCATED WITHIN THE DETENTION AREAS (HOLDING CELLS, DAYROOMS, NON-CONTACT VISIT 1).

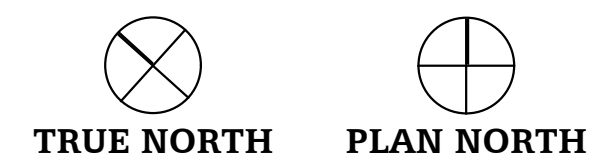
**SHEET NOTES**

INDICATED BY: ①

- CONTRACTOR TO PROVIDE AND INSTALL 8 EA. CAT6 STP CABLES FROM THIS LOCATION TO DISPATCH SERVER 112C FOR TERMINATION BY OWNER'S DISPATCH EQUIPMENT INSTALLER FOR 911 DISPATCH AND VOICE LOGGER EQUIPMENT.
- FLOORBOX, COORDINATE WITH OWNER FOR EXACT LOCATION PRIOR TO ROUGH-IN, TYPICAL OF ALL FLOORBOXES.
- COORDINATE WITH ARCHITECTURAL FOR EXACT HEIGHT/ LOCATION OF TELEVISION AND TELECOM OUTLET.
- PROVIDE CONDUITS AND CABLING BETWEEN DISPATCH AND EOC SCREENS ON WALL. COORDINATE WITH USER FOR REQUIREMENTS.
- WIRELESS TELECOMMUNICATION ACCESS PORT, 1 CAT 6 CABLE AND JACK AT CEILING.
- FIRE ALARM ANNUNCIATOR PANEL. COORDINATE WITH TENANT AND A.H.J. FOR APPROVED LOCATION.
- TV OUTLET AND TELECOM OUTLET TO BE PROVIDED WITH SECURITY COVER PLATE. COORDINATE EXACT LOCATION AND HEIGHT.
- COORDINATE EXACT HEIGHT OF DEVICE TO AVOID CONFLICTS WITH MECHANICAL BASEBOARD. REFERENCE MECHANICAL DRAWING SHEET.
- PROVIDE CONDUITS AND CABLING BETWEEN DISPATCH AND SCREEN IN APPARATUS BAY. COORDINATE WITH USER FOR REQUIREMENTS.
- FIRE ALARM CONTROL PANEL. PROVIDE WITH TWO DEDICATED PHONE LINES. COORDINATE WITH TENANT AND A.H.J. FOR APPROVED LOCATION
- PROPOSED LOCATION OF 8 INPUT AUTOMATIC DIALER (SENSAPHONE EXPRESS 2 OR EQUAL) FOR CONNECTION TO AND MONITORING OF THE BUILDING TEMPERATURE, POWER AND GENERATOR HIGH/LOW FUEL LEVELS. PROVIDE AND INSTALL COMPATIBLE SENSORS. COORDINATE WITH USER FOR QUANTITIES AND LOCATIONS OF TEMPERATURE SENSORS



**KEYPLAN**



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CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA

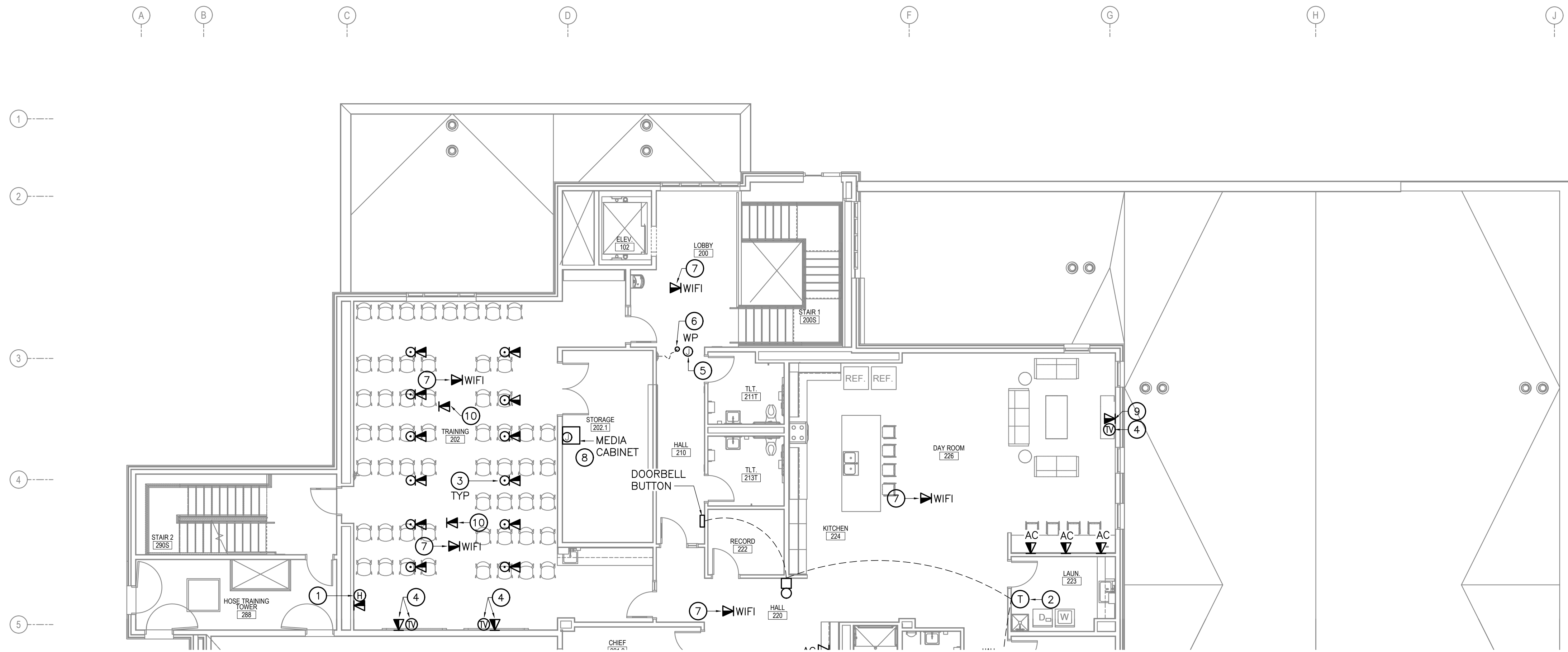
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**HZA**  
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FIRST FLOOR  
SIGNAL PLAN  
AREA B  
**E402**

NOT FOR CONSTRUCTION

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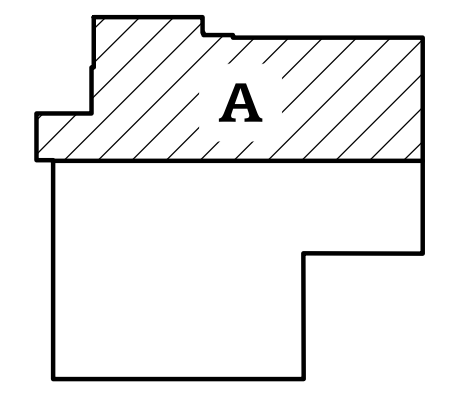
**1** SECOND FLOOR SIGNAL PLAN - AREA A  
E403 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- FIRE ALARM DEVICES NOT SHOWN, BUT ARE REQUIRED. REFERENCE FIRE ALARM NOTE ON SHEET E001.
- ALL ELECTRICAL BOXES PENETRATING VAPOR RETARDERS SHALL BE SEALED, INCLUDING ALL OPENINGS IN SIDES AND BACK OF BOXES.
- COORDINATE LOCATION AND HEIGHTS OF ALL ELECTRICAL OUTLETS MOUNTED ABOVE COUNTERS, BENCHES, AND BACKSPASHES WITH ARCHITECTURAL ELEVATIONS AND CASEWORK SHOP DRAWINGS.
- COORDINATE LOCATION, HEIGHT, AND ORIENTATION OF TELECOMMUNICATION OUTLETS ON BUILDING PERIMETER TO AVOID CONFLICTS WITH MECHANICAL BASEBOARD, TYPICAL OF ALL RECEPTACLES LOCATED ON BUILDING PERIMETER. ROTATE OUTLETS HORIZONTALLY WHERE REQUIRED TO FIT BETWEEN TOP OF BASEBOARD AND BOTTOM OF WINDOW SILL.
- REFERENCE SPECIAL SYSTEMS DRAWINGS FOR ADDITIONAL REQUIREMENTS ASSOCIATED WITH THE CAMERA SURVEILLANCE SYSTEMS, INTERCOM SYSTEMS, ACCESS CONTROLS, DETENTION AREA DOORS AND CONTROLS, AND REMOTE CONTROLS FOR AREA DOOR ACCESS. COORDINATE THE PROVIDING, ROUGH-IN, AND INSTALLATION, OF EQUIPMENT, WIRING, AND POWER AND CONTROL CONNECTIONS, AS NEEDED FOR A COMPLETE AND OPERABLE SYSTEM AS INTENDED.

**SHEET NOTES** INDICATED BY: (f)

- THE FOLLOWING SHEET NOTES ARE A COMPREHENSIVE LIST APPLYING TO SHEETS E403 AND E404. NOT ALL NOTES APPLY TO EVERY SHEET.
- HDMI CONNECTION. PROVIDE CONDUIT, CABLING, AND CONNECTIONS TO MULTIMEDIA CABINET IN STORAGE 202.1 COORDINATE WITH USER FOR REQUIREMENTS.
- CONNECT DOORBELL TRANSFORMER TO 120 VOLT 20 AMP RECEPTACLE IN THIS ROOM.
- FLOORBOX, COORDINATE WITH OWNER FOR EXACT LOCATION PRIOR TO ROUGH-IN, TYPICAL OF ALL FLOORBOXES.
- COORDINATE WITH ARCHITECTURAL FOR EXACT HEIGHT/ LOCATION OF TELEVISION AND TELECOM OUTLET.
- PROVIDE ONE 1" CONDUIT WITH PULLSTRING FROM MAIN TELECOMMUNICATION ROOM TO HOSE TOWER AND ANOTHER 1" CONDUIT WITH PULLSTRING FROM MAIN TELECOMMUNICATION ROOM TO STAIR FOR ANTENNA WIRING TO BE PROVIDED AND INSTALLED BY OWNER'S RADIO EQUIPMENT INSTALLER. CONDUIT AT THE HOSE TOWER AND STAIR IS TO TERMINATE UNDER ROOF EAVE AND BE LOCATED SUCH THAT THEY WILL BE PROTECTED FROM THE WEATHER. COORDINATE EXACT LOCATION AND ROUTING WITH ARCHITECT AND OWNER'S RADIO EQUIPMENT INSTALLER.
- INSTALL #3/0 BRAIDED BARE COPPER CONDUCTOR EXOTHERMALLY WELDED & BONDED TO A STRUCTURAL STEEL MEMBER WITHIN 18 FEET OF COAX CABLE ANTENNA CONNECTION. OWNER'S ANTENNA INSTALLER IS TO PROVIDE, INSTALL, AND MAKE CONNECTIONS TO GROUNDING BUS BAR.
- WIRELESS TELECOMMUNICATION ACCESS PORT, 1 CAT 6 CABLE AND JACK AT CEILING.
- PROVIDE CONDUITS AND CABLING BETWEEN MEDIA CABINET AND 2ND FLOOR TRAINING ROOM FOR SIGNAL INPUT TO WALL MOUNTED SCREENS, USER OUTPUT CONNECTIVITY, AUDIO, ETC. COORDINATE WITH USER FOR ADDITIONAL REQUIREMENTS.
- COORDINATE EXACT HEIGHT OF DEVICE TO AVOID CONFLICTS WITH MECHANICAL BASEBOARD. REFERENCE MECHANICAL DRAWING SHEET.
- PROVIDE TELECOMMUNICATIONS CONNECTIONS IN CEILING FOR PROJECTOR. COORDINATE WITH OWNER FOR EXACT LOCATION AND REQUIREMENTS.



**KEYPLAN**  
TRUE NORTH PLAN NORTH

65% SET  
NOT FOR  
CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA  
65% PRICING SET

CONSULTANT:  
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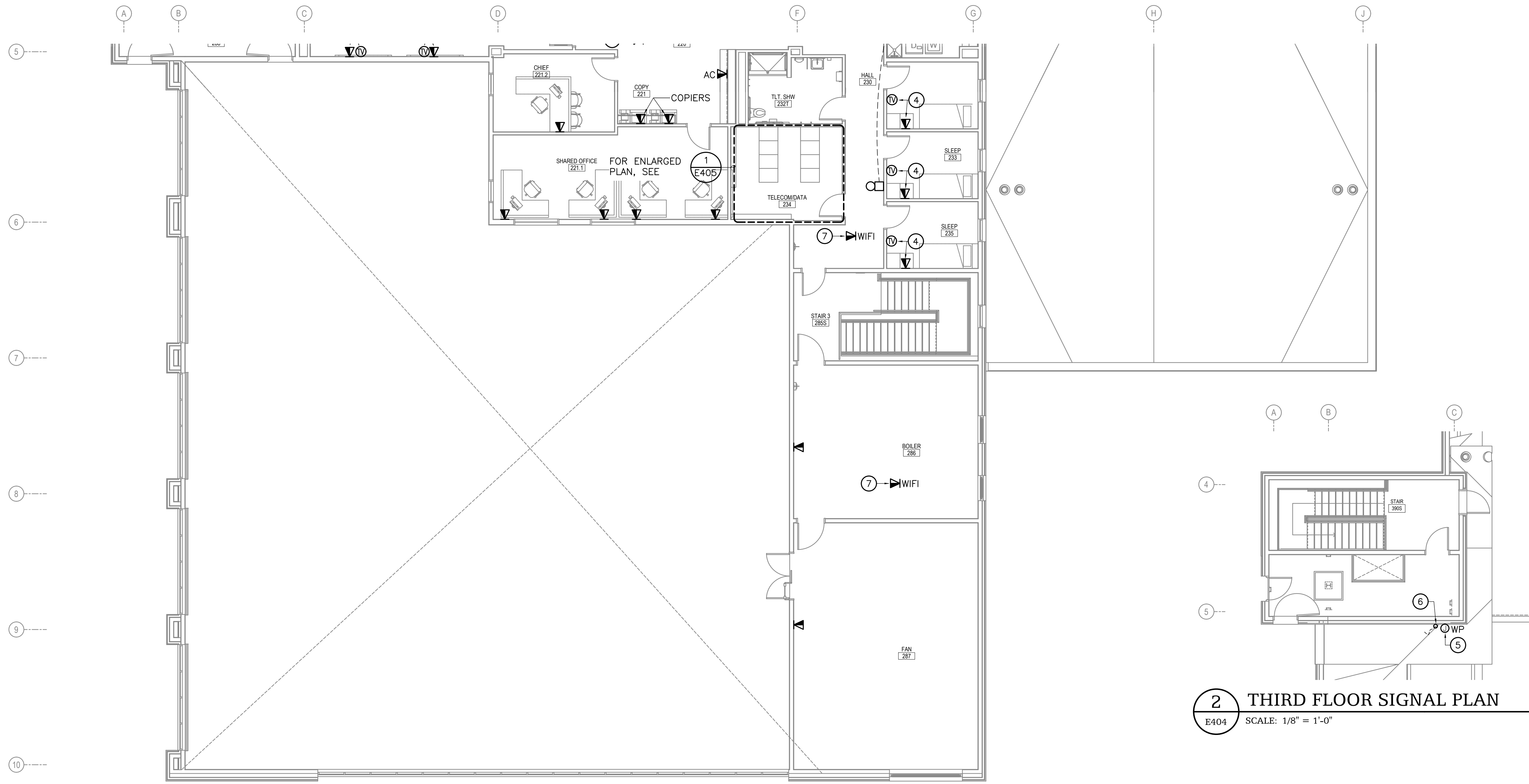
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DATE: 2022-08-25  
DRAWN BY: JWA  
CHECKED BY: BAB

REVISION	DESCRIPTION	DATE

SECOND FLOOR  
SIGNAL PLAN  
AREA A  
**E403**

NOT FOR CONSTRUCTION

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**1** SECOND FLOOR SIGNAL PLAN - AREA B  
E404 SCALE: 1/8" = 1'-0"

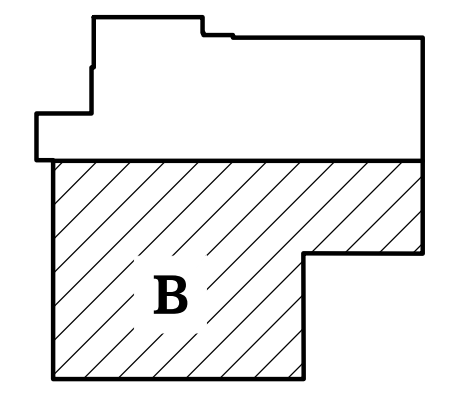
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- COORDINATE LOCATION, HEIGHT, AND ORIENTATION OF TELECOMMUNICATION OUTLETS ON BUILDING PERIMETER TO AVOID CONFLICTS WITH MECHANICAL BASEBOARD, TYPICAL OF ALL RECEPTACLES LOCATED ON BUILDING PERIMETER. ROTATE OUTLETS HORIZONTALLY WHERE REQUIRED TO FIT BETWEEN TOP OF BASEBOARD AND BOTTOM OF WINDOW SILL.
- REFERENCE SPECIAL SYSTEMS DRAWINGS FOR ADDITIONAL REQUIREMENTS ASSOCIATED WITH THE CAMERA SURVEILLANCE SYSTEMS, INTERCOM SYSTEMS, ACCESS CONTROLS, DETENTION AREA DOORS AND CONTROLS, AND REMOTE CONTROLS FOR AREA DOOR ACCESS. COORDINATE THE PROVIDING, ROUGH-IN, AND INSTALLATION, OF EQUIPMENT, WIRING, AND POWER AND CONTROL CONNECTIONS, AS NEEDED FOR A COMPLETE AND OPERABLE SYSTEM AS INTENDED.

**SHEET NOTES**

INDICATED BY: **f**

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- COORDINATE EXACT HEIGHT OF DEVICE TO AVOID CONFLICTS WITH MECHANICAL BASEBOARD. REFERENCE MECHANICAL DRAWING SHEET.
- PROVIDE TELECOMMUNICATIONS CONNECTIONS IN CEILING FOR PROJECTOR. COORDINATE WITH OWNER FOR EXACT LOCATION AND REQUIREMENTS.



**KEYPLAN**  
TRUE NORTH PLAN NORTH

65% SET  
NOT FOR  
CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA  
65% PRICING SET

CONSULTANT:  
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ENGINEERING SOLUTIONS  
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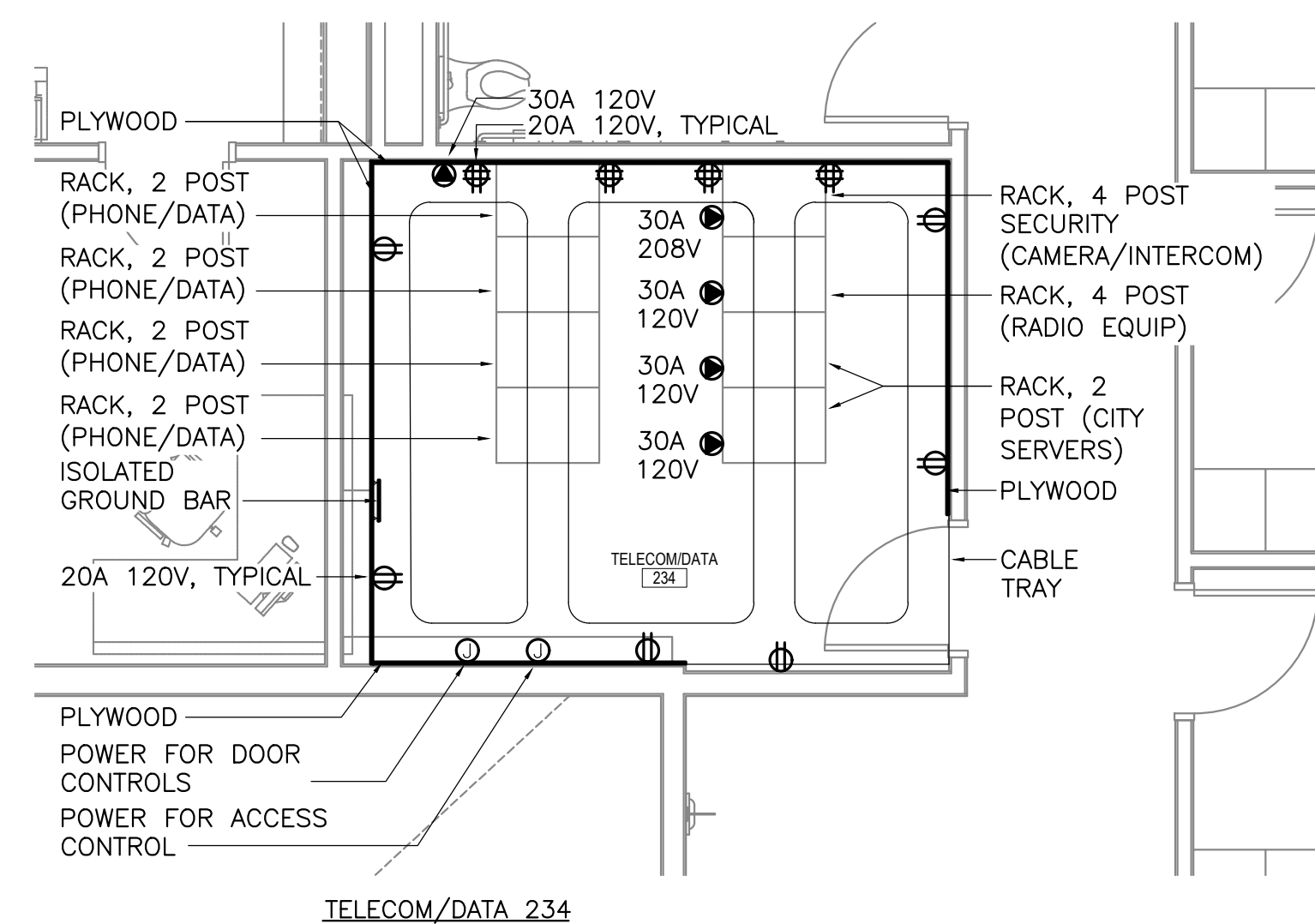
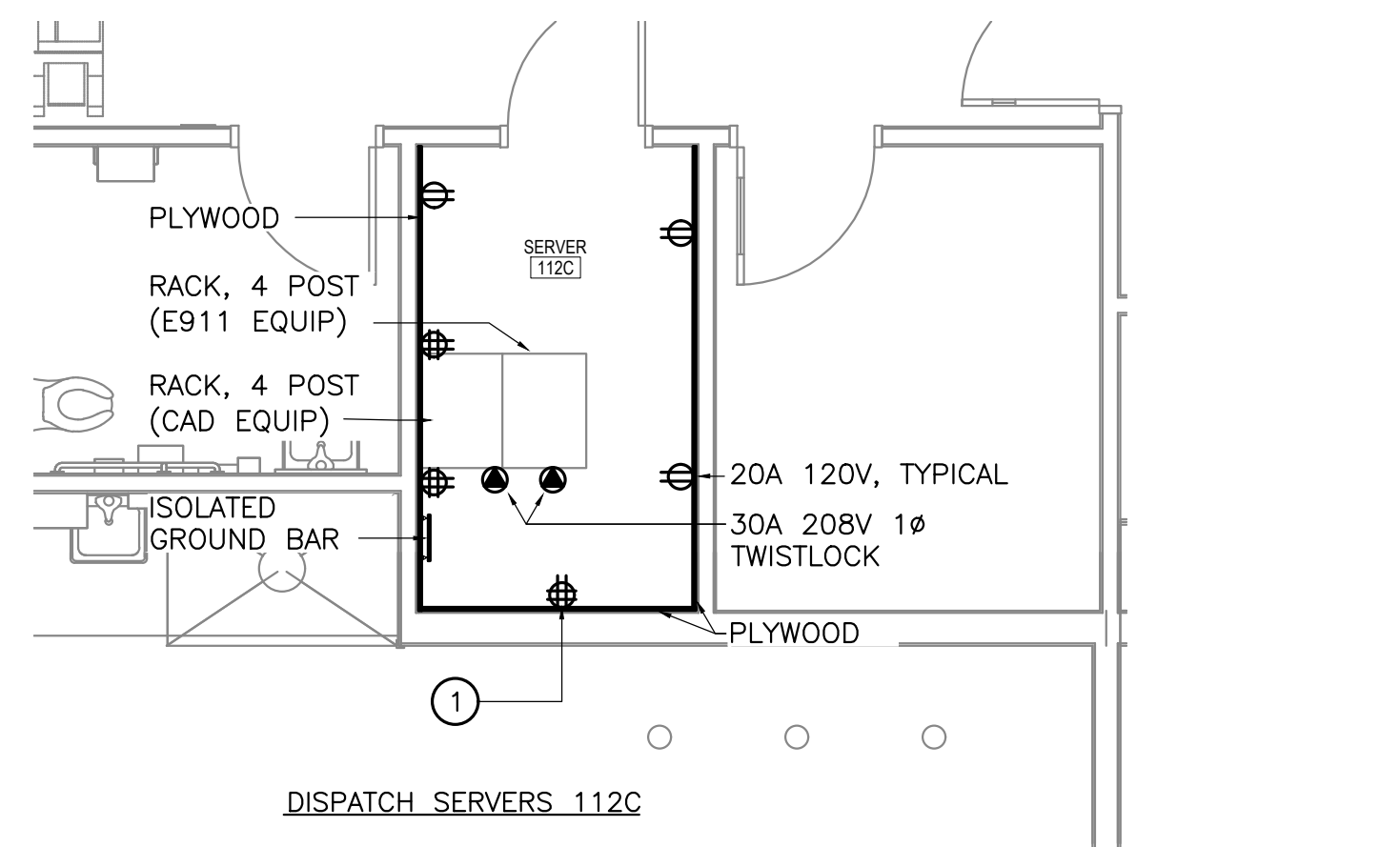
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CHECKED BY: BAB

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SECOND FLOOR  
SIGNAL PLAN  
AREA B  
**E404**

NOT FOR CONSTRUCTION

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**1** ENLARGED TELECOMM ROOMS POWER AND SIGNAL PLANS  
E405 SCALE: 1/4" = 1'-0"

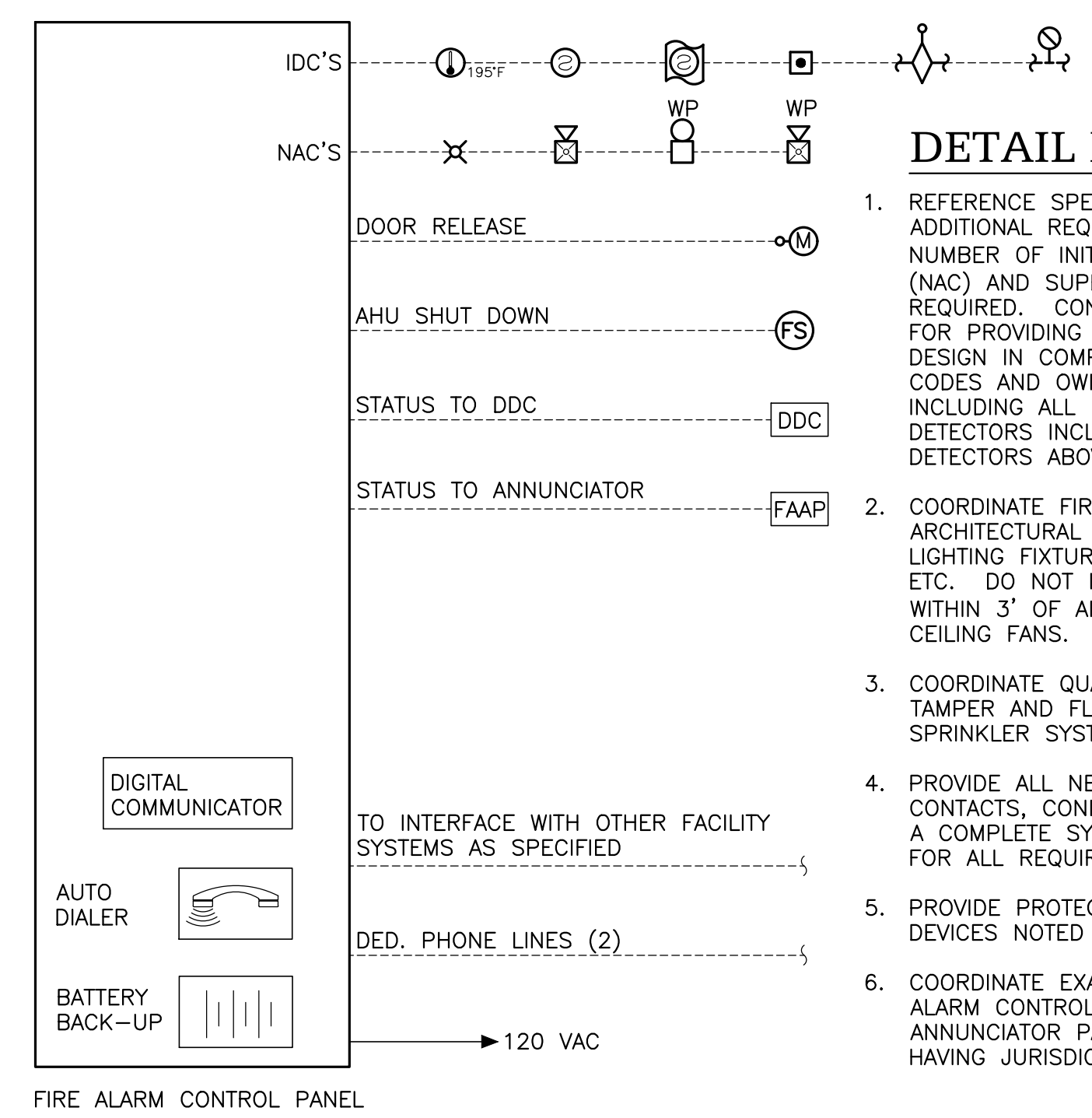
**GENERAL NOTES**

1. FIRE ALARM DEVICES NOT SHOWN, BUT ARE REQUIRED. REFERENCE FIRE ALARM NOTE ON SHEET E001.
2. ALL ELECTRICAL BOXES PENETRATING VAPOR RETARDERS SHALL BE SEALED, INCLUDING ALL OPENINGS IN SIDES AND BACK OF BOXES.
3. COORDINATE LOCATION AND HEIGHTS OF ALL ELECTRICAL OUTLETS MOUNTED ABOVE COUNTERS, BENCHES, AND BACKSPASHES WITH ARCHITECTURAL ELEVATIONS AND CASEWORK SHOP DRAWINGS.
4. COORDINATE LOCATION, HEIGHT, AND ORIENTATION OF TELECOMMUNICATION OUTLETS ON BUILDING PERIMETER TO AVOID CONFLICTS WITH MECHANICAL BASEBOARD, TYPICAL OF ALL RECEPTACLES LOCATED ON BUILDING PERIMETER. ROTATE OUTLETS HORIZONTALLY WHERE REQUIRED TO FIT BETWEEN TOP OF BASEBOARD AND BOTTOM OF WINDOW SILL.
5. REFERENCE SPECIAL SYSTEMS DRAWINGS FOR ADDITIONAL REQUIREMENTS ASSOCIATED WITH THE CAMERA SURVEILLANCE SYSTEMS, INTERCOM SYSTEMS, ACCESS CONTROLS, DETENTION AREA DOORS AND CONTROLS, AND REMOTE CONTROLS FOR AREA DOOR ACCESS. COORDINATE THE PROVIDING, ROUGH-IN, AND INSTALLATION, OF EQUIPMENT, WIRING, AND POWER AND CONTROL CONNECTIONS, AS NEEDED FOR A COMPLETE AND OPERABLE SYSTEM AS INTENDED.

**SHEET NOTES**

INDICATED BY: (I)

1. 120V POWER CONNECTION FOR DOOR LOCK POWER SUPPLIES. COORDINATE WIRING CONNECTIONS WITH SUPPLIER FURNISHED INSTRUCTIONS, SHOP DRAWING AND SUBMITTALS.



**DETAIL NOTES:**

1. REFERENCE SPECIFICATIONS AND ADDITIONAL REQUIREMENTS, PROVIDE NUMBER OF INITIATING (IDC), NOTIFICATION (NAC) AND SUPERVISORY (SC) LOOPS AS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE FIRE ALARM DESIGN IN COMPLIANCE WITH GOVERNING CODES AND OWNER REQUIREMENTS, INCLUDING ALL NECESSARY DEVICES AND DETECTORS INCLUDING DOOR HOLDOPENS, DETECTORS ABOVE CEILINGS.
2. COORDINATE FIRE ALARM DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLANS, LIGHTING FIXTURES, SPEAKERS, GRILLS, ETC. DO NOT INSTALL SMOKE DETECTORS WITHIN 3' OF ANY MECHANICAL GRILL OR CEILING FANS.
3. COORDINATE QUANTITY AND LOCATION OF TAMPER AND FLOW SWITCHES WITH SPRINKLER SYSTEM DESIGN.
4. PROVIDE ALL NECESSARY AUXILIARY CONTACTS, CONNECTIONS, ETC. TO PROVIDE A COMPLETE SYSTEM. SEE SPECIFICATIONS FOR ALL REQUIREMENTS.
5. PROVIDE PROTECTIVE WIRE GUARD ON DEVICES NOTED AND WHERE APPROPRIATE.
6. COORDINATE EXACT LOCATION OF FIRE ALARM CONTROL PANEL AND REMOTE ANNUNCIATOR PANEL WITH AUTHORITY HAVING JURISDICTION PRIOR TO ROUGH-IN.

**2** SCHEMATIC FIRE ALARM RISER DIAGRAM  
E405 SCALE: NTS

65% SET  
NOT FOR  
CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND  
TRAINING CENTER**  
HAINES, ALASKA  
65% PRICING SET

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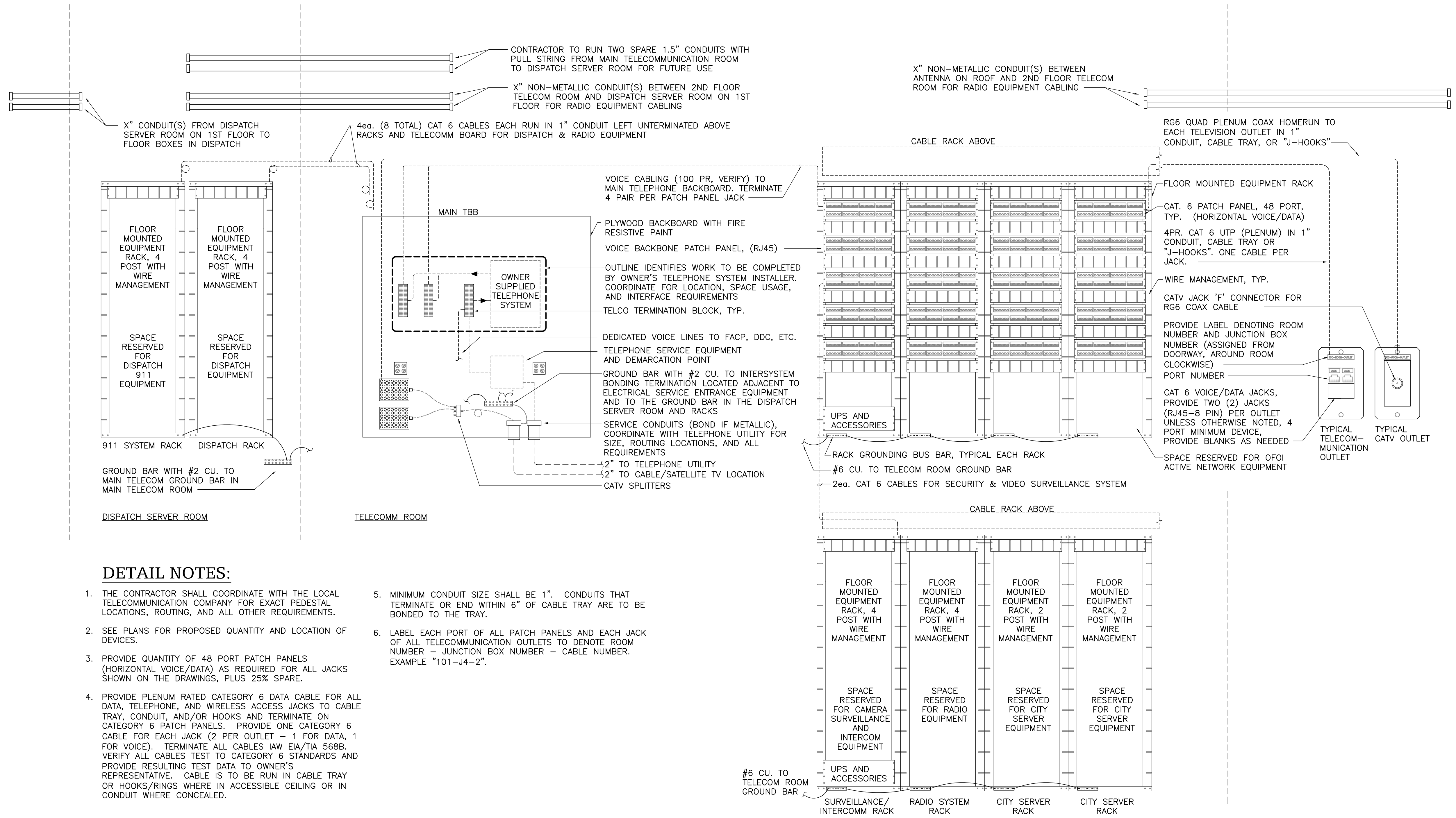
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ENLARGED TELECOMM ROOMS  
FIRE ALARM RISER DIAGRAM

**E405**

NOT FOR CONSTRUCTION

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**DETAIL NOTES:**

1. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL TELECOMMUNICATION COMPANY FOR EXACT PEDESTAL LOCATIONS, ROUTING, AND ALL OTHER REQUIREMENTS.
2. SEE PLANS FOR PROPOSED QUANTITY AND LOCATION OF DEVICES.
3. PROVIDE QUANTITY OF 48 PORT PATCH PANELS (HORIZONTAL VOICE/DATA) AS REQUIRED FOR ALL JACKS SHOWN ON THE DRAWINGS, PLUS 25% SPARE.
4. PROVIDE PLENUM RATED CATEGORY 6 DATA CABLE FOR ALL DATA, TELEPHONE, AND WIRELESS ACCESS JACKS TO CABLE TRAY, CONDUIT, AND/OR HOOKS AND TERMINATE ON CATEGORY 6 PATCH PANELS. PROVIDE ONE CATEGORY 6 CABLE FOR EACH JACK (2 PER OUTLET - 1 FOR DATA, 1 FOR VOICE). TERMINATE ALL CABLES IAW EIA/TIA 568B. VERIFY ALL CABLES TEST TO CATEGORY 6 STANDARDS AND PROVIDE RESULTING TEST DATA TO OWNER'S REPRESENTATIVE. CABLE IS TO BE RUN IN CABLE TRAY OR HOOKS/RINGS WHERE IN ACCESSIBLE CEILING OR IN CONDUIT WHERE CONCEALED.
5. MINIMUM CONDUIT SIZE SHALL BE 1". CONDUITS THAT TERMINATE OR END WITHIN 6" OF CABLE TRAY ARE TO BE BONDED TO THE TRAY.
6. LABEL EACH PORT OF ALL PATCH PANELS AND EACH JACK OF ALL TELECOMMUNICATION OUTLETS TO DENOTE ROOM NUMBER - JUNCTION BOX NUMBER - CABLE NUMBER. EXAMPLE "101-J4-2".

**1 VOICE AND DATA CABLING - RISER DIAGRAM**  
E406 SCALE: NO SCALE

65% SET  
NOT FOR  
CONSTRUCTION

HAINES BOROUGH  
HAINES COMMUNITY SAFETY AND  
TRAINING CENTER  
HAINES, ALASKA  
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TELECOMMUNICATION DETAILS  
**E406**

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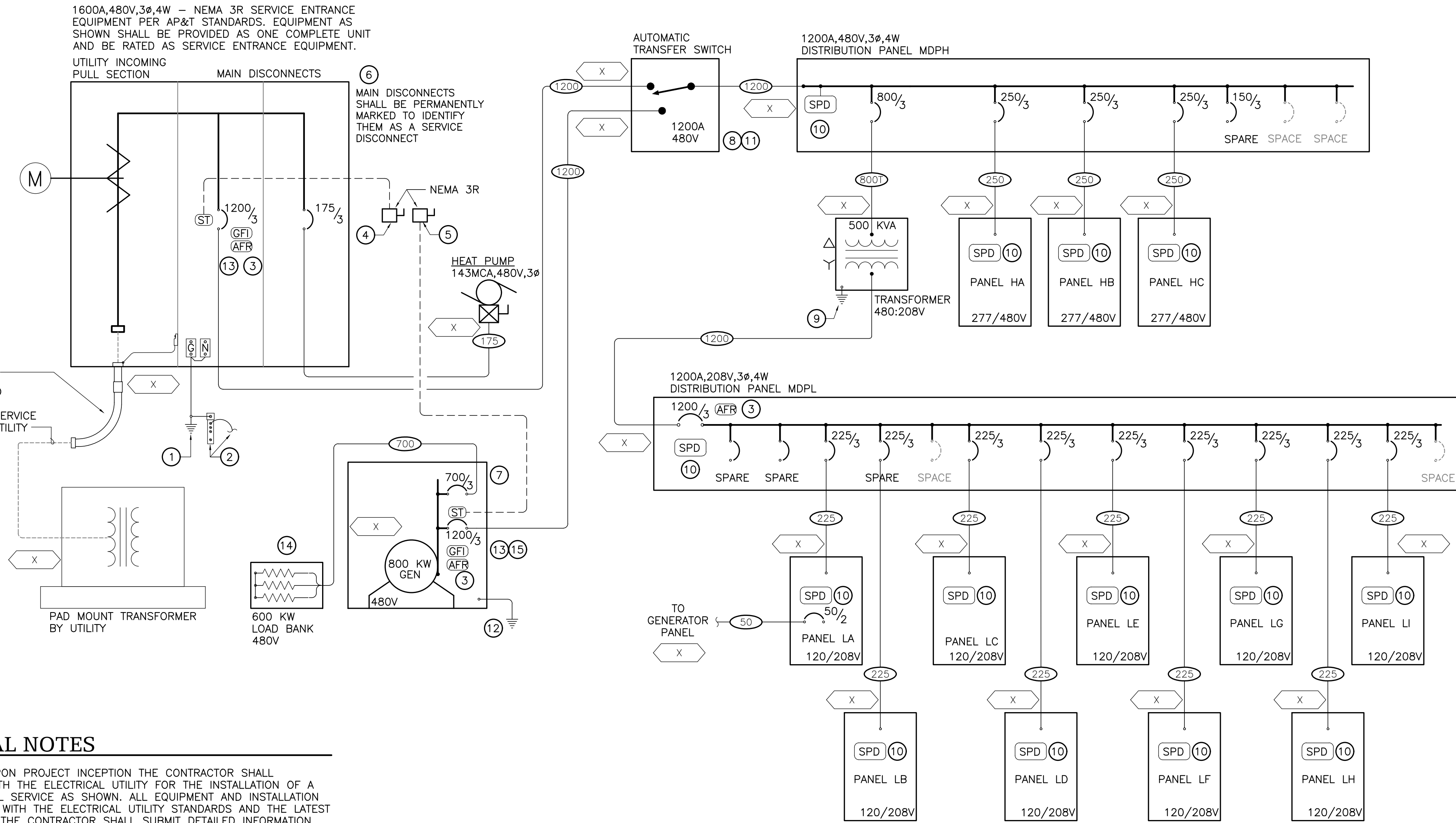
1600A, 480V, 3Ø, 4W - NEMA 3R SERVICE ENTRANCE EQUIPMENT PER AP&T STANDARDS. EQUIPMENT AS SHOWN SHALL BE PROVIDED AS ONE COMPLETE UNIT AND BE RATED AS SERVICE ENTRANCE EQUIPMENT.

UTILITY INCOMING PULL SECTION

MAIN DISCONNECTS

6 MAIN DISCONNECTS SHALL BE PERMANENTLY MARKED TO IDENTIFY THEM AS A SERVICE DISCONNECT

STUB-OUTS BY AP&T (VERIFY)  
TRENCHING AND BACKFILL BY CONTRACTOR, SERVICE LATERALS BY UTILITY



### GENERAL NOTES

- IMMEDIATELY UPON PROJECT INCEPTION THE CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL UTILITY FOR THE INSTALLATION OF A NEW ELECTRICAL SERVICE AS SHOWN. ALL EQUIPMENT AND INSTALLATION SHALL COMPLY WITH THE ELECTRICAL UTILITY STANDARDS AND THE LATEST ADOPTED NEC. THE CONTRACTOR SHALL SUBMIT DETAILED INFORMATION REGARDING THE PROPOSED SERVICE ENTRANCE EQUIPMENT AND LOCATION TO THE UTILITY COMPANY FOR APPROVAL PRIOR TO ORDERING ANY EQUIPMENT.
- COORDINATE WITH GENERAL CONTRACTOR TO ENSURE THAT NEC REQUIRED WORKING CLEARANCES AND DEDICATED EQUIPMENT SPACES AROUND ALL ELECTRICAL EQUIPMENT, INCLUDING SERVICE ENTRANCE EQUIPMENT, PANELS, DISCONNECTS, TRANSFER SWITCHES, MOTOR STARTERS, ETC. ARE MAINTAINED. WHERE NECESSARY, PROVIDE STRUCTURAL CHANNEL (UNISTRUT) SUPPORT FOR INSTALLATION.
- PROVIDE ARC FLASH WARNING SIGNS ON THE NEW ELECTRICAL EQUIPMENT, SUCH AS SWITCHBOARDS, PANELBOARDS, DISCONNECTS, SERVICE GEAR, TRANSFORMER, TRANSFER SWITCH ETC AS REQUIRED PER NFPA 70 (NEC) ARTICLE 110.16.
- PROVIDE IDENTIFICATION AT ELECTRICAL EQUIPMENT, PANELS, TRANSFER SWITCH, DISCONNECTS, CIRCUIT BREAKERS, GENERATOR, ETC. AS APPROPRIATE AND AS REQUIRED BY THE NEC AND LOCAL CODES, TO INCLUDE BUT NOT LIMITED TO ITS INTENDED PURPOSE, CIRCUIT SOURCE THAT SUPPLIES THE DISCONNECTING MEANS, ETC.
- PROVIDE EQUIPMENT RATED FOR AVAILABLE FAULT CURRENT LEVELS. THE AVAILABLE FAULT CURRENT SHALL BE LABELED AT THE SERVICE EQUIPMENT, ALL PANELS, AND ELEVATOR PER NEC 110.16, 408.6, AND 600.51(D)(2) WITH THE MAXIMUM AVAILABLE FAULT CURRENT AND WITH THE DATE THE CALCULATIONS WERE PERFORMED.
- PROVIDE FIELD LABEL AT THE ELEVATOR CONTROLLER TO INDICATE THE AVAILABLE FAULT AND DATE IT WAS CALCULATED AS REQUIRED BY NEC 620.51(D)(2).
- FIELD MARKINGS SHALL BE COMPLIANT WITH NEC 110.21.
- PROVIDE SEISMIC BRACING AND SUPPORT FOR ALL NEW ELECTRICAL EQUIPMENT WHERE REQUIRED BY THE IBC AND OTHER APPLICABLE CODES.
- CIRCUIT BREAKERS ARE TO BE SELECTIVELY COORDINATED AS REQUIRED BY NEC 701.32. THE CONTRACTOR SHALL PROVIDE VERIFICATION THAT SELECTED BREAKERS HAVE BEEN SELECTIVELY COORDINATED.
- AT MAIN DISCONNECT SWITCHES, PROVIDE LAMINATED ENGRAVED PLACARDS, RED WITH WHITE 1" LETTERING TO READ "MAIN BUILDING DISCONNECT SWITCH". IN COMPLIANCE WITH NEC 701.7 PROVIDE AN ADDITIONAL SIMILAR PLACARD WHICH READS "LEGALLY REQUIRED STANDBY GENERATOR ON SITE. SYSTEM WILL AUTOMATICALLY START UPON LOSS OF UTILITY POWER". PROVIDE ALL OTHER NEC, STATE AND LOCAL REQUIRED SIGNAGE.

### DETAIL NOTES

- PROVIDE GROUNDING ELECTRODE SYSTEM AS FOLLOW: #3/0 CU. TO WATER MAIN (IF METALLIC), #3/0 CU. TO METAL IN-GROUND SUPPORT STRUCTURE, #3/0 CU. TO 20' OF #3/0 CU. OR 1/2" DIA STEEL REBAR ENCASED IN FOOTING CONCRETE AND BONDED TO REBAR, AND #4 CU. TO DRIVEN ROD ELECTRODES.
- INTERSYSTEM BONDING TERMINATION PER NEC 250.94 FOR CONNECTION TO COMMUNICATIONS BONDING AND GROUNDING CONDUCTORS. PROVIDE #2 COPPER TO TELECOM GROUND BAR AT TELECOM BACKBOARD.
- PROVIDE WITH ENERGY REDUCING ARC FLASH MITIGATION SYSTEM AS REQUIRED BY NEC 240.87.
- PROVIDE REMOTE SHUNT TRIP DISCONNECT SWITCH ADJACENT TO SERVICE ENTRANCE ON BUILDING EXTERIOR TO SERVE AS THE REMOTE DISCONNECT DEVICE. THE SWITCH SHALL BE INSTALLED IN A SEPARATE PAD LOCKABLE NEMA 3R ENCLOSURE WITH PERMANENTLY ATTACHED PLACARD MOUNTED UNDER THE BUTTON IN COMPLIANCE WITH THE UTILITY STANDARDS. THE PLACARD SHALL BE METAL OR PLASTIC, APPROXIMATELY 2" X 5" WITH ENGRAVED 1/4" LETTERS THAT READS "REMOTE POWER SERVICE DISCONNECT". IN COMPLIANCE WITH NEC 701.7 PROVIDE AN ADDITIONAL SIMILAR PLACARD TO INDICATE THAT THERE IS A LEGALLY REQUIRED STANDBY GENERATOR ON SITE THAT WILL AUTOMATICALLY START UPON LOSS OF UTILITY POWER. PROVIDE 1" IMC OR RMC CONDUIT AND WIRING BETWEEN THE ELECTRICAL SERVICE ENCLOSURE (SHUNT TRIP BREAKER) AND THE REMOTE DISCONNECT SWITCH. SWITCH, DETAILS, AND LOCATION ARE TO BE APPROVED BY AP&T AND LOCAL FIRE DEPARTMENT.
- PROVIDE GENERATOR REMOTE SHUNT TRIP DISCONNECT SWITCH ON THE MAIN BUILDING EXTERIOR IN A LOCKABLE NEMA 3R ENCLOSURE ADJACENT TO SERVICE DISCONNECT. INSTALL DISCONNECT SWITCH AND REQUIRED CONNECTIONS, SUCH THAT WHEN REMOTE DISCONNECT IS SWITCHED OFF, THE GENERATOR IS DISCONNECTED FROM THE ELECTRICAL DISTRIBUTION EQUIPMENT. PROVIDE A LAMINATED ENGRAVED PLACARD, RED WITH WHITE 1" LETTERING TO READ "GENERATOR DISCONNECT SWITCH".
- PROVIDE ADDITIONAL LABELS PER NEC 110.16B AT THE SERVICE TO INCLUDE THE NOMINAL SYSTEM VOLTAGE, AVAILABLE FAULT CURRENT AT THE SERVICE OVERCURRENT PROTECTIVE DEVICE, THE CLEARING TIME OF THE SERVICE OVERCURRENT PROTECTIVE DEVICE BASED ON THE AVAILABLE FAULT CURRENT, AND THE DATE THE LABEL WAS APPLIED.
- THE DESIGNED GENERATOR SYSTEM IS TO BE A LEGALLY REQUIRED STANDBY POWER SYSTEM AND IS TO BE INSTALLED IN COMPLIANCE WITH ARTICLES 445 AND 701 OF THE NEC. THE GENERATOR SYSTEM IS TO BE CONSIDERED A SEPARATELY DERIVED SYSTEM. THE GENERATOR IS TO BE PROVIDED WITH A WEATHERPROOF/ SOUND ATTENUATED ENCLOSURE, SUB-BASE TANK, FUEL PUMPS, AND ALL REQUIRED ACCESSORIES AS NECESSARY FOR STARTING AND OPERATION OUTDOORS IN HAINES ALASKA. REFERENCE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. COORDINATE EXACT LOCATION AND FOUNDATION REQUIREMENTS WITH ARCHITECT, CIVIL, AND OWNER.
- THE AUTOMATIC TRANSFER SWITCH IS TO BE LISTED FOR EMERGENCY USE AS REQUIRED FOR LEGALLY REQUIRED STANDBY SYSTEMS.
- PROVIDE #3/0 AWG COPPER GROUNDING ELECTRODE CONDUCTOR CONNECTION TO THE NEAREST GROUNDING ELECTRODE AS REQUIRED BY NEC 250.30.
- PROVIDE WITH INTEGRAL SURGE SUPPRESSION.
- INTENTION IS FOR THE GENERATOR TO BE INSTALLED AS A SEPARATELY DERIVED SYSTEM. FOR A SEPARATELY DERIVED SYSTEM, THE NEUTRAL IS NOT TO BE ISOLATED FROM THE GROUND AT THE GENERATOR, AND THE NEUTRAL IS TO BE SWITCHED AT THE TRANSFER SWITCH.
- PROVIDE GROUNDING ELECTRODE SYSTEM AS FOLLOW: #3/0 CU. TO 20' OF #3/0 CU. OR 1/2" DIA STEEL REBAR ENCASED IN FOOTING CONCRETE AND BONDED TO REBAR, AND #4 CU. TO DRIVEN ROD ELECTRODES.
- PROVIDE GROUND FAULT PROTECTION FOR EQUIPMENT AS REQUIRED BY NEC 230.95.
- OUTDOOR PAD MOUNT LOAD BANK WITH ARCTIC GRADE PACKAGE. REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- GENERATOR IS TO HAVE GROUND FAULT INDICATION AS REQUIRED BY NEC 701.31

INDICATED BY: #

### FAULT CURRENT ANALYSIS

BASIS OF CALCULATIONS:		DATE OF CALCULATION: X
VARIABLE		VALUE
UTILITY		
PRIMARY BUS		INFINITE MVA
UTILITY TRANSFORMER RATING		
ACTUAL		X KVA
CALCULATIONS BASED ON		X KVA
VOLTAGE (LINE TO LINE)		277/480 VOLTS, 3Ø
UTILITY TRANSFORMER IMPEDANCE		
ACTUAL		X% Z
CALCULATIONS BASED ON		X% Z
SERVICE LATERAL LENGTH		X FT
SERVICE LATERAL CONDUCTOR SIZE		X kcmil CU
CONDUCTORS PER PHASE		X
CONDUIT TYPE		NON-MAGNETIC
GENERATOR		
RATING		X kW
VOLTAGE		277/480 VOLTS
SUB-TRANSIENT REACTANCE		.10 X"d pu
TOLERANCE		+/- 10%
MOTOR CONTRIBUTION		APPROXIMATELY X HP

CALCULATION SUMMARY:	
LOCATION	SHORT CIRCUIT CURRENT
xx,xxx	SEE DRAWINGS FOR CURRENT

THE ABOVE FAULT CURRENT VARIABLES AND CALCULATIONS HAVE BEEN BASED ON THE INFORMATION PROVIDED FROM THE UTILITY COMPANY. IF THE INSTALLATION DEVIATES FROM THE BASIS ITEMIZED ABOVE, THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER OF RECORD, PRIOR TO ORDERING EQUIPMENT, TO CONFIRM THE AIC RATING REQUIRED FOR THE NEW ELECTRICAL DISTRIBUTION EQUIPMENT. ALL NEW EQUIPMENT SHALL BE RATED FOR AVAILABLE FAULT CURRENT. THE AVAILABLE FAULT CURRENT SHALL BE LABELED AT THE SERVICE AND ALL EXISTING AND NEW ELECTRICAL PANELS PER NEC 110.24, 408.6, AND 620.51D2 WITH THE MAXIMUM AVAILABLE FAULT CURRENT AND WITH THE DATE THE CALCULATIONS WERE PERFORMED.

## 1 ELECTRICAL SINGLE LINE DIAGRAM

E501 SCALE: NTS

65% SET  
NOT FOR  
CONSTRUCTION

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA

CONSULTANT:  
**HZA**  
ENGINEERING SOLUTIONS  
HZA Engineering, LLC  
113 W. Northern Lights Blvd., Suite 240  
Anchorage, Alaska 99509  
Tel. (907) 562-1012 Fax (907) 562-1013  
AK Corporation #: AKCL881

PROJECT NO:	2022.035.0	
DATE:	2022-08-25	
DRAWN BY:	JWA	
CHECKED BY:	BAB	
REVISION	DESCRIPTION	DATE

ELECTRICAL SINGLE LINE DIAGRAM  
**E501**

NOT FOR CONSTRUCTION

65% PRICING SET

CORPORATE NO. AEC6219 BETTISWORTHNORTH.COM



IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

9/10/2021 9:38:19 AM

## VIDEO SYSTEM CAMERA SCHEDULE

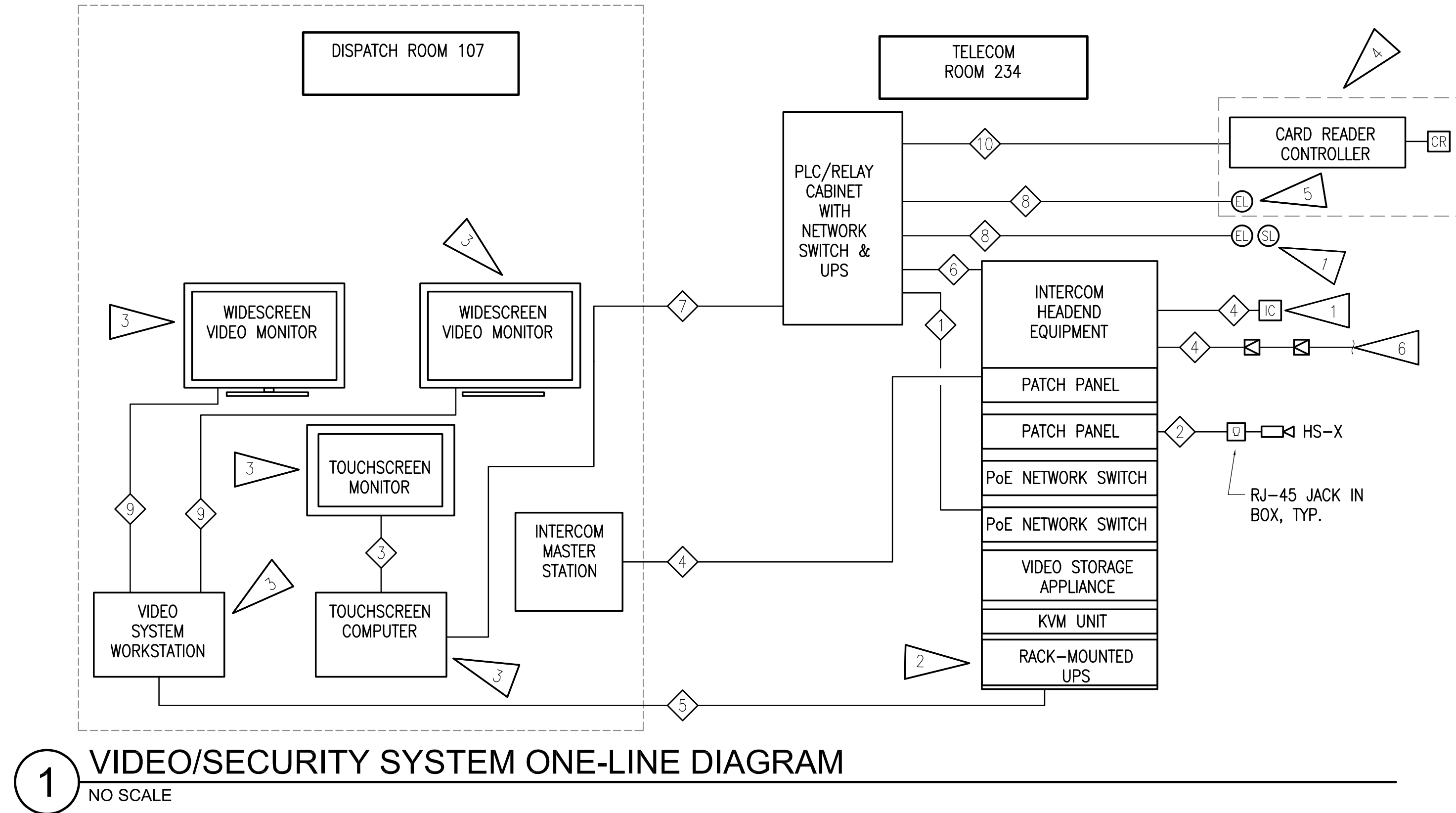
CAMERA DESIGNATION	CAMERA LOCATION (SEE PLANS)	INTENDED COVERAGE AREA	CAMERA TYPE (SEE SPECS)
HS-1	EXTERIOR, ENTRY TO VESTIBULE 100V, SEE 1/SE101	EXTERIOR COVERAGE OF ENTRANCE	TYPE 'A' WALL-MOUNT ARM
HS-2	EXTERIOR CORNER POLICE CHIEF'S OFFICE 134, SEE 1/SE101	EXTERIOR COVERAGE OF NORTH SIDE	TYPE 'C' PARAPET-MOUNT
HS-3	EXTERIOR, EAST WALL PD EQUIP. STOR. 153, SEE 1/SE101	EXTERIOR COVERAGE EAST BUILDING/VESTIBULE 150V EXIT	TYPE 'C' PARAPET-MOUNT
HS-4	EXTERIOR, EAST WALL SCBA COMP. 195.1, SEE 1/SE101	EXTERIOR COVERAGE OF EAST SIDE	TYPE 'C' PARAPET-MOUNT
HS-5	EXTERIOR, SOUTH WALL EXT. STOR. 199, SEE 1/SE101	EXTERIOR COVERAGE OF SOUTH BUILDING/ENTRANCE 190F	TYPE 'C' PARAPET-MOUNT
HS-6	EXTERIOR, SOUTH WALL EXT. APPARATUS BAYS 190, SEE 1/SE101	EXTERIOR COVERAGE OF SOUTH BUILDING	TYPE 'C' PARAPET-MOUNT
HS-7	EXTERIOR, SOUTHWEST WALL APPARATUS BAYS 190, SEE 1/SE101	EXTERIOR COVERAGE OF WEST BUILDING	TYPE 'C' PARAPET-MOUNT
HS-8	EXTERIOR, SOUTH WALL HOSE TRAINING TOWER 188, SEE 1/SE101	EXTERIOR COVERAGE OF WEST BUILDING/ENTRANCE 188	TYPE 'C' PARAPET-MOUNT
HS-9	EXTERIOR, NORTH WALL STAIR 2 190S, SEE 1/SE101	EXTERIOR COVERAGE OF NW BUILDING & ENTRANCE 122C	TYPE 'C' PARAPET-MOUNT
HS-10	EXTERIOR, WEST WALL EOS 122, SEE 1/SE101	EXTERIOR COVERAGE OF ENTRANCE 190SA	TYPE 'C' PARAPET-MOUNT
HS-11	INTERIOR, VESTIBULE 100V, SEE 2/SE111A	INTERIOR COVERAGE OF VESTIBULE 100V	TYPE 'B' CEILING-MOUNT
HS-12	INTERIOR, NORTH HALL 140, SEE 2/SE111A	INTERIOR COVERAGE OF HALL 140 NORTH	TYPE 'F' CEILING-MOUNT
HS-13	INTERIOR, EVID. STOR. 143.1, SEE 2/SE111A	INTERIOR COVERAGE OF EVIDENCE STORAGE 143.1	TYPE 'B' CEILING-MOUNT
HS-14	INTERIOR, NORTH EAST CORNER EVIDENCE PROCESSING 143, SEE 2/SE111A	INTERIOR COVERAGE OF EVIDENCE PROCESSING 143	TYPE 'B' CEILING-MOUNT
HS-15	INTERIOR, SOUTHWEST CORNER EVIDENCE PROCESSING 143, SEE 2/SE111A	INTERIOR COVERAGE OF EVIDENCE PROCESSING 143	TYPE 'B' CEILING-MOUNT
HS-16	INTERIOR, ADJACENT ENTRANCE 143, SEE 2/SE111A	INTERIOR COVERAGE OF HALL 130/140 INTERSECTION	TYPE 'F' CEILING-MOUNT
HS-17	INTERIOR, HALLWAY 120, SEE 2/SE111A	INTERIOR COVERAGE OF HALL 120	TYPE 'B' CEILING-MOUNT
HS-18	INTERIOR, ADJACENT ENTRANCE 122A, SEE 2/SE111A	INTERIOR COVERAGE OF HALL 120/110 INTERSECTION	TYPE 'F' CEILING-MOUNT
HS-19	INTERIOR, ADJACENT ENTRANCE 115A, SEE 2/SE111A	INTERIOR COVERAGE OF HALL 110	TYPE 'B' CEILING-MOUNT
HS-20	INTERIOR, STAIR 2 190S, SEE 2/SE111A	INTERIOR COVERAGE OF STAIR 2 190S	TYPE 'B' CEILING-MOUNT
HS-21	INTERIOR, SOUTHWEST INTAKE PROCESSING 160, SEE 2/SE111A	INTERIOR COVERAGE OF INTAKE PROCESSING 160	TYPE 'E' CORNER-MOUNT
HS-22	INTERIOR, NORTHEAST INTAKE PROCESSING 160, SEE 2/SE111A	INTERIOR COVERAGE OF INTAKE PROCESSING 160	TYPE 'E' CORNER-MOUNT
HS-23	INTERIOR, NORTHWEST INTERVIEW 152, SEE 2/SE111A	INTERIOR COVERAGE OF INTERVIEW 152	TYPE 'B' CEILING-MOUNT
HS-24	INTERIOR, SOUTHEAST INTERVIEW 152, SEE 2/SE111A	INTERIOR COVERAGE OF INTERVIEW 152	TYPE 'B' CEILING-MOUNT
HS-25	INTERIOR, SECURE HALL 150 ADJACENT ENTRANCE 160, SEE 2/SE111A	INTERIOR COVERAGE OF SECURE HALL 150 NORTH	TYPE 'B' CEILING-MOUNT
HS-26	INTERIOR, SOUTH HALL 140, SEE 2/SE111A	INTERIOR COVERAGE OF HALL 140 SOUTH	TYPE 'B' CEILING-MOUNT
HS-27	INTERIOR, NORTHEAST INTAKE AND VEHICLE BAY 145, SEE 2/SE111A	INTERIOR COVERAGE OF INTAKE AND VEHICLE BAY 145	TYPE 'B' CEILING-MOUNT
HS-28	INTERIOR, EAST INTAKE AND VEHICLE BAY 145, SEE 2/SE111A	INTERIOR COVERAGE OF INTAKE AND VEHICLE BAY 145	TYPE 'D' CEILING-MOUNT
HS-29	INTERIOR, SOUTHWEST INTAKE AND VEHICLE BAY 145, SEE 2/SE111A	INTERIOR COVERAGE OF INTAKE AND VEHICLE BAY 145	TYPE 'B' CEILING-MOUNT
HS-30	INTERIOR, HOLDING CELL #1 162.1, SEE 1/SE111A	INTERIOR COVERAGE OF HOLDING CELL #1 162.1	TYPE 'E' CORNER-MOUNT
HS-31	INTERIOR, HOLDING CELL #2 162.2, SEE 1/SE111A	INTERIOR COVERAGE OF HOLDING CELL #2 162.2	TYPE 'E' CORNER MOUNT
HS-32	INTERIOR, DAY ROOM 1 162, SEE 1/SE111A	INTERIOR COVERAGE DAY ROOM 1 162	TYPE 'E' CORNER MOUNT
HS-33	INTERIOR, NON CONTACT VISIT 125, SEE 1/SE111A	INTERIOR COVERAGE OF NON CONTACT VISIT 125	TYPE 'E' CORNER MOUNT
HS-34	INTERIOR, NON CONTACT VISIT 164, SEE 1/SE111A	INTERIOR COVERAGE OF NON CONTACT VISIT 164	TYPE 'E' CORNER MOUNT
HS-35	INTERIOR, DAY ROOM 2 166, SEE 1/SE111A	INTERIOR COVERAGE DAY ROOM 2 166	TYPE 'E' CORNER MOUNT
HS-36	INTERIOR, HOLDING CELL #3 166.1, SEE 1/SE111A	INTERIOR COVERAGE OF HOLDING CELL #3 166.1	TYPE 'E' CORNER MOUNT
HS-37	INTERIOR, SEARCH SHOWER 166T, SEE 1/SE111A	INTERIOR COVERAGE OF SEARCH SHOWER 166T	TYPE 'E' CORNER MOUNT
HS-38	INTERIOR, NORTH APPARATUS BAYS 190, SEE 1/SE111B	INTERIOR COVERAGE OF APPARATUS BAYS 190 NORTH	TYPE 'D' CEILING-MOUNT
HS-39	INTERIOR, CENTRAL APPARATUS BAYS 190, SEE 1/SE111B	INTERIOR COVERAGE OF APPARATUS BAYS 190 CENTRAL	TYPE 'D' CEILING-MOUNT
HS-40	INTERIOR, SOUTH APPARATUS BAYS 190, SEE 1/SE111B	INTERIOR COVERAGE OF APPARATUS BAYS 190 SOUTH	TYPE 'D' CEILING-MOUNT
HS-41	INTERIOR, EMS STORAGE 187, SEE 1/SE111B	INTERIOR COVERAGE OF EMS STORAGE 187	TYPE 'B' CEILING-MOUNT
HS-42	INTERIOR, MORGUE 177, SEE 1/SE111B	INTERIOR COVERAGE OF MORGUE 177	TYPE 'B' CEILING-MOUNT

## WIRE/CABLE SCHEDULE

1	RACEWAY WITH PLC/VIDEO INTERFACE CABLE, TYPE TBD BY INTEGRATOR
2	RACEWAY WITH IP VIDEO FIELD WIRING, CAT 6 UTP
3	TOUCHSCREEN MONITOR CABLE, TYPE TBD BY INTEGRATOR
4	RACEWAY WITH INTERCOM WIRING PER MANUFACTURER
5	RACEWAY WITH NETWORK HORIZONTAL CABLE, CAT 6 UTP
6	RACEWAY WITH PLC/INTERCOM CABLE, TYPE TBD BY INTEGRATOR
7	RACEWAY WITH PLC COMMUNICATIONS CABLE, CAT 6 UTP
8	RACEWAY WITH DOOR FIELD WIRING
9	VIDEO MONITOR CABLE, TYPE TBD BY INTEGRATOR
10	RACEWAY WITH PLC/ACCESS CONTROL SYSTEM INTERFACE CABLE, TYPE TBD BY INTEGRATOR

## LEGEND

	IP VIDEO CAMERA, CEILING-MOUNTED
	IP VIDEO CAMERA, WALL-MOUNTED
	CONDUIT, CONCEALED
	NOTE TAG (No. INDICATES NOTE)
TBD	TO BE DETERMINED
WP	WEATHERPROOF
	ELECTRIFIED LOCKSET, SWING DOOR
	MOTORIZED SLIDING DOOR
	PROXIMITY CARD READER
	INTERCOM SPEAKER
	PAGING SPEAKER WITH ZONE NUMBER
	VOLUME CONTROL SWITCH



**1 VIDEO/SECURITY SYSTEM ONE-LINE DIAGRAM**  
NO SCALE

### SHEET NOTES:

- SEE SHEET FLOOR PLANS FOR NEW FIELD DEVICE LOCATIONS.
- ALL ACTIVE RACK-MOUNTED SECURITY/VIDEO EQUIPMENT SHALL BE CONNECTED TO THIS UPS.
- EQUIPMENT IN THIS ROOM SHALL BE CONNECTED TO A LOCAL BACK-UP UPS.
- SEE FLOOR PLANS FOR LOCATION OF DOORS CONNECTED TO BOTH THE ACCESS CONTROL AND PLC/TOUCH SCREEN SYSTEMS.
- DOORS CONNECTED TO BOTH SYSTEMS SHALL BE CONTROLLED BY THE PLC UPON EITHER A VALID CARD READ OR TOUCHSCREEN COMMAND.
- SEE FLOOR PLANS FOR PAGING SPEAKER LOCATIONS AND ZONES.

CONSULTANT:

PROJECT NO:	M0173
DATE:	2022-08-25
DRAWN BY:	LKA
CHECKED BY:	JAM

REVISION	DESCRIPTION	DATE

LEGEND AND SCHEDULES

SE001

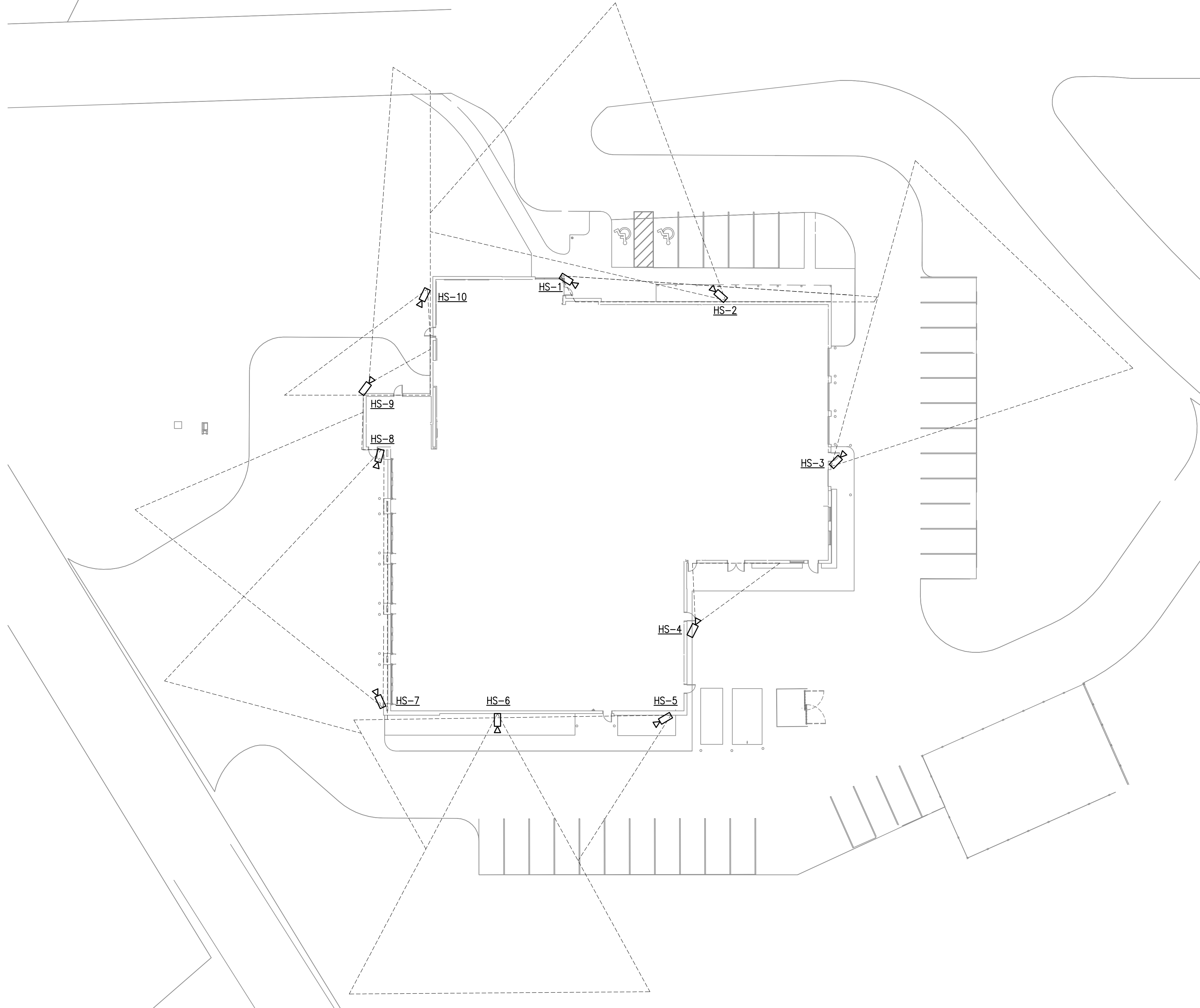
NOT FOR CONSTRUCTION

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# 2 FIRST FLOOR SECURITY PLAN - BLOCK A

1"=20'-0"



HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
 HAINES, ALASKA  
 65% PRICING SET

CONSULTANT:

PROJECT NO: M0173  
 DATE: 2022-08-25  
 DRAWN BY: LKA  
 CHECKED BY: JAM

REVISION	DESCRIPTION	DATE

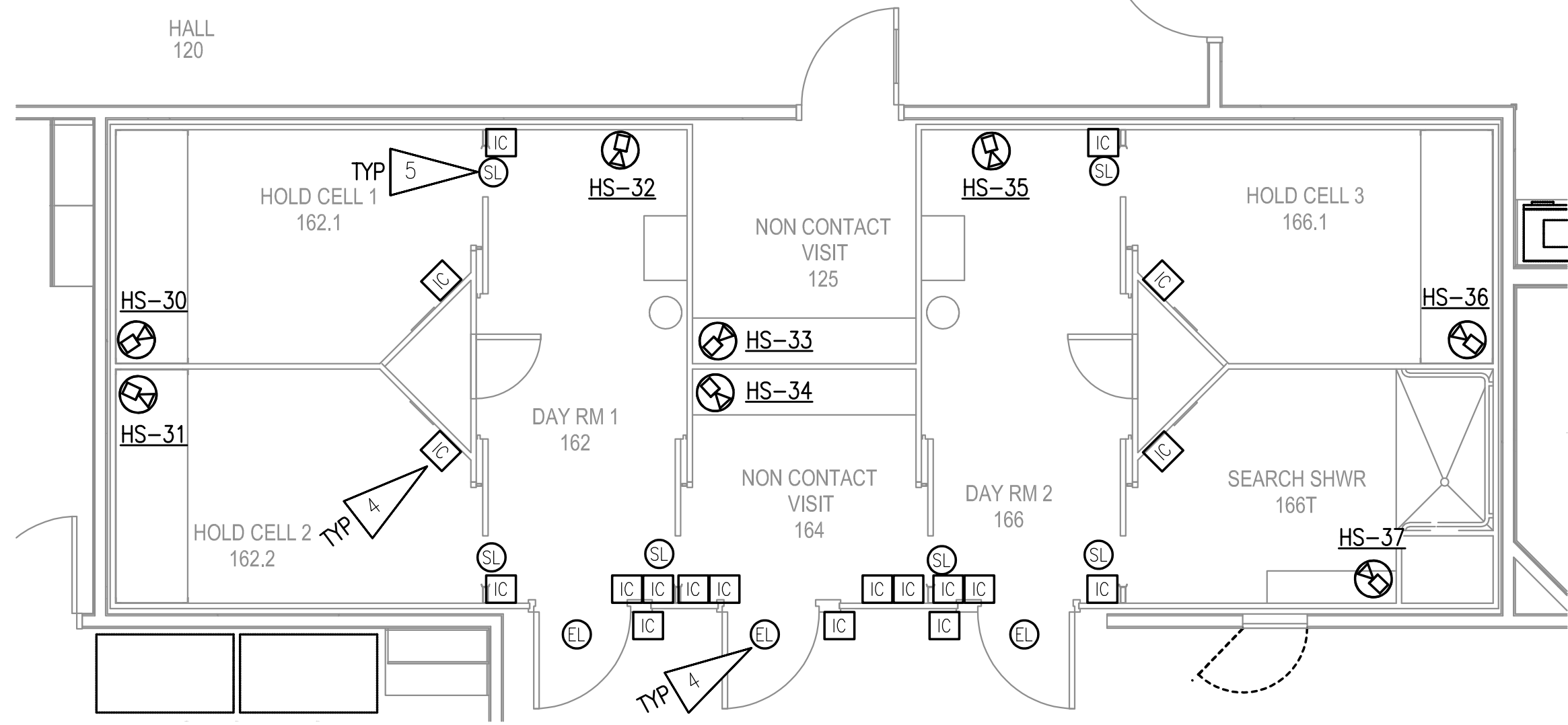
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SITE PLAN

**SE101**

BETTISWORTH NORTH ARCHITECTS & PLANNERS

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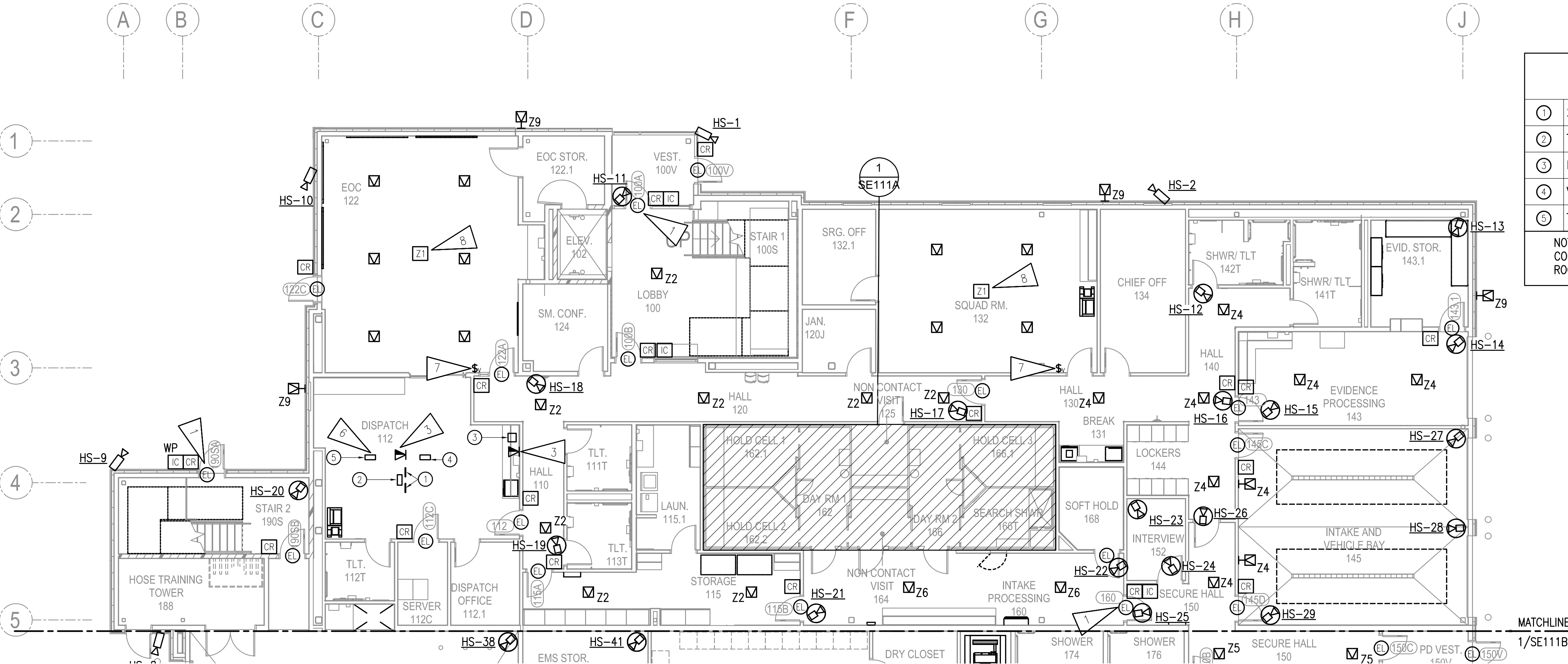
**1 ENLARGED SECURITY PLAN**  
1/4"=1'-0"

**GENERAL NOTES**

- A. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR RACEWAY REQUIREMENTS.
- B. ALL INTERCOM FIELD STATIONS SHALL BE INSTALLED +48" UNLESS NOTED OTHERWISE.
- C. FOR DOORS CONTROLLED BY BOTH ACCESS CONTROL AND THE PLC/TOUCH SCREEN SYSTEM, COORDINATE CONNECTION REQUIREMENTS FOR FIELD WIRING BETWEEN THE TWO SYSTEMS.
- D. CARD READERS ARE SHOWN FOR REFERENCE WHERE DOORS WILL BE CONTROLLED BY BOTH THE PLC/TOUCHSCREEN SYSTEM AND ACCESS CONTROL SYSTEM. SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION.
- E. SEE 1/SE001 FOR VIDEO/SECURITY SYSTEM ONE-LINE DIAGRAM.

**SHEET NOTES**

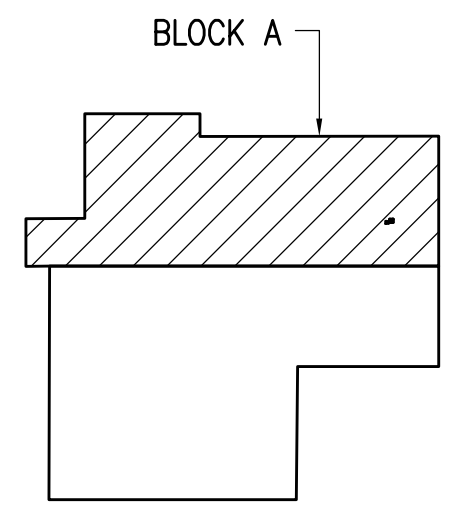
- 1. ELECTRICALLY CONTROLLED DOOR WILL BE CONNECTED TO BOTH THE PLC/TOUCHSCREEN SYSTEM AND THE ACCESS CONTROL SYSTEM. PROVIDE CONNECTION TO PLC/RELAY CABINET IN TELECOM 234.
- 2. NEW INTERCOM STATION. PROVIDE CONNECTION TO VIDEO SECURITY RACK IN TELECOM 234.
- 3. 4-PORT TELECOM OUTLET WITH GREEN JACKS FOR VIDEO/SECURITY EQUIPMENT.
- 4. ELECTRONICALLY CONTROLLED DENTENTION DOOR. PROVIDE CONNECTION TO PLC/RELAY CABINET IN TELECOM 234.
- 5. ELECTRONICALLY CONTROLLED MOTORIZED SLIDING DOOR. PROVIDE CONNECTION TO PLC/RELAY CABINET IN TELECOM 234.
- 6. INSTALL COMPUTER UNDER COUNTER AND CONNECT TO EQUIPMENT ON COUNTER.
- 7. PROVIDE VOLUME CONTROL SWITCH FOR THIS ROOM.
- 8. PAGING ZONE FOR THIS ROOM.



**2 FIRST FLOOR SECURITY PLAN - BLOCK A**  
1/8"=1'-0"

EQUIPMENT SCHEDULE	
①	24" VIDEO SYSTEM WIDESCREEN MONITOR
②	TOUCHSCREEN MONITOR
③	INTERCOM MASTER STATION
④	VIDEO SYSTEM CLIENT WORKSTATION COMPUTER
⑤	TOUCHSCREEN SYSTEM COMPUTER

NOTE: FINAL LAYOUT OF EQUIPMENT SHALL BE COORDINATED WITH DISPATCH EQUIPMENT IN THE ROOM.



**KEY PLAN**  
NO SCALE

CONSULTANT:

PROJECT NO: M0173  
DATE: 2022-08-25  
DRAWN BY: LKA  
CHECKED BY: JAM

REVISION	DESCRIPTION	DATE

NOT FOR CONSTRUCTION

FIRST FLOOR PLAN - BLOCK A

**SE111A**

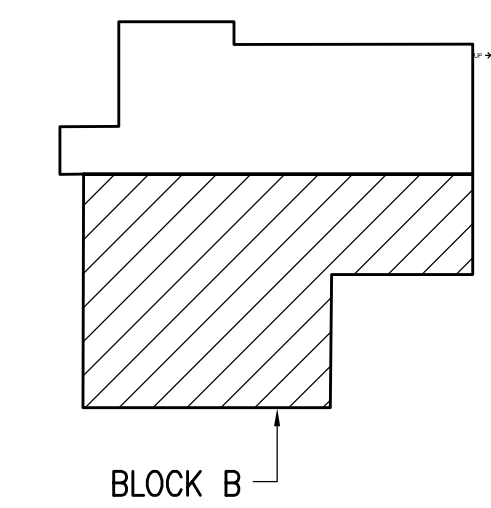
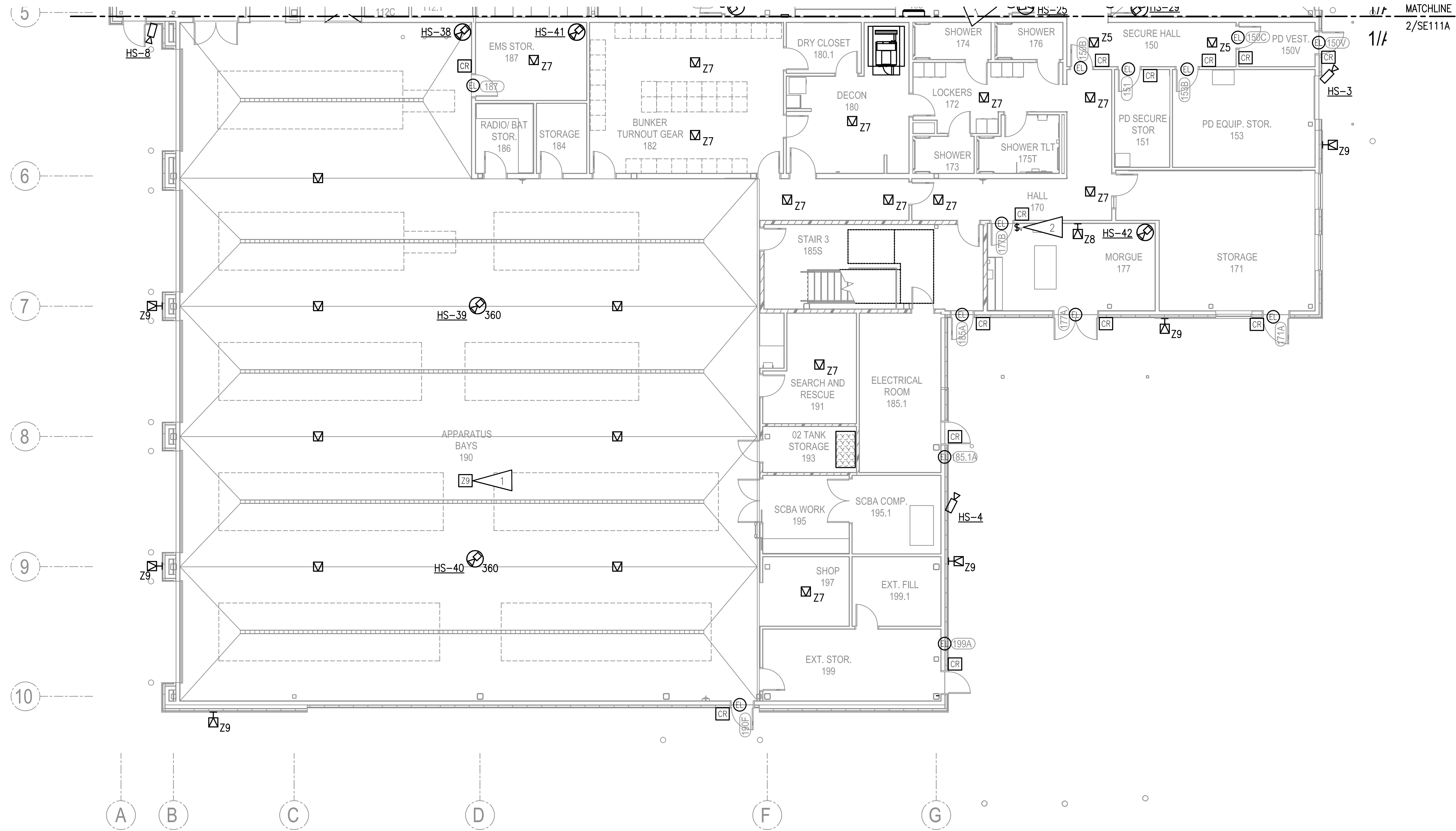
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**GENERAL NOTES**

A. SEE SHEET SE111A FOR GENERAL NOTES.

**SHEET NOTES**

- PAGING ZONE FOR THIS ROOM.
- PROVIDE VOLUME CONTROL SWITCH FOR THIS ROOM.



**KEY PLAN**  
NO SCALE

**1 FIRST FLOOR SECURITY PLAN - BLOCK B**  
1/8"=1'-0"

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
HAINES, ALASKA  
65% PRICING SET

CONSULTANT:

PROJECT NO: M0173  
DATE: 2022-08-25  
DRAWN BY: LKA  
CHECKED BY: JAM

REVISION	DESCRIPTION	DATE

FIRST FLOOR PLAN - BLOCK B

**SE111B**

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

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**GENERAL NOTES**

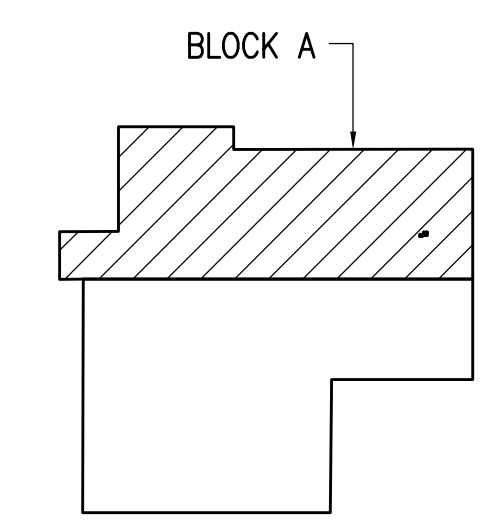
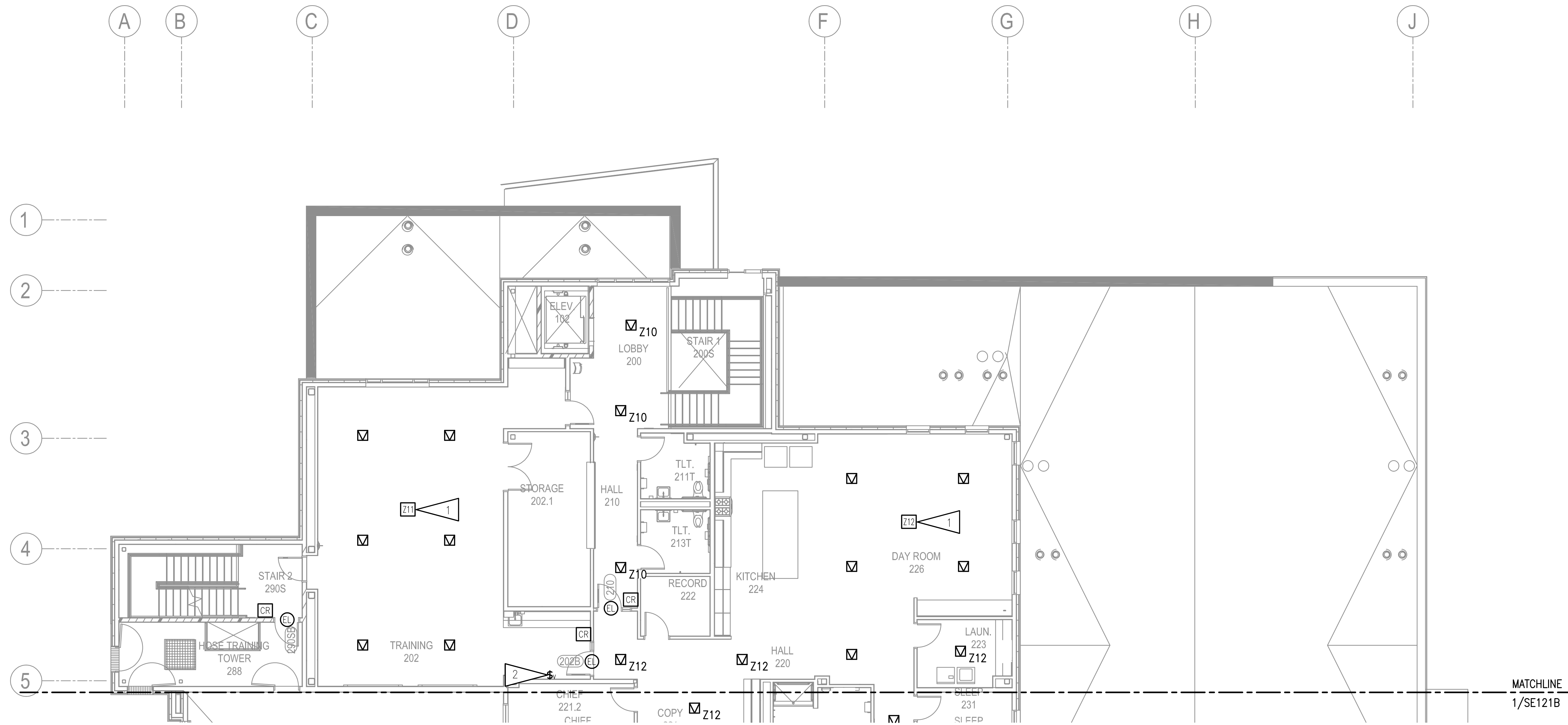
A. SEE SHEET SE111A FOR GENERAL NOTES.

**SHEET NOTES**

- PAGING ZONE FOR THIS ROOM.
- PROVIDE VOLUME CONTROL SWITCH FOR THIS ROOM.

HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
 HAINES, ALASKA

65% PRICING SET



**1 SECOND FLOOR SECURITY PLAN - BLOCK A**  
 1/8"=1'-0"

**KEY PLAN**  
 NO SCALE

CONSULTANT:

PROJECT NO: M0173  
 DATE: 2022-08-25  
 DRAWN BY: LKA  
 CHECKED BY: JAM

REVISION	DESCRIPTION	DATE

NOT FOR CONSTRUCTION

SECOND FLOOR PLAN - BLOCK A  
**SE121A**

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9/10/2021 9:38:19 AM

**GENERAL NOTES**

A. SEE SHEET SE111A FOR GENERAL NOTES.

**SHEET NOTES**

1. ALL VIDEO AND INTERCOM EQUIPMENT SHALL BE INSTALLED IN THE SAME RACK. SEE 1/SE001 FOR ONE-LINE DIAGRAM.
2. NEW PLC/RELAY CABINET. EXACT SIZE TBD BY SECURITY INTEGRATOR. PROVIDE CONNECTION TO VIDEO/SECURITY SYSTEM RACK. SEE 1/SE001 FOR ONE-LINE DIAGRAM.
3. PROVIDE VOLUME CONTROL SWITCH FOR THIS ROOM.



HAINES BOROUGH  
**HAINES COMMUNITY SAFETY AND TRAINING CENTER**  
 HAINES, ALASKA  
 65% PRICING SET

CONSULTANT:

PROJECT NO: M0173  
 DATE: 2022-08-25  
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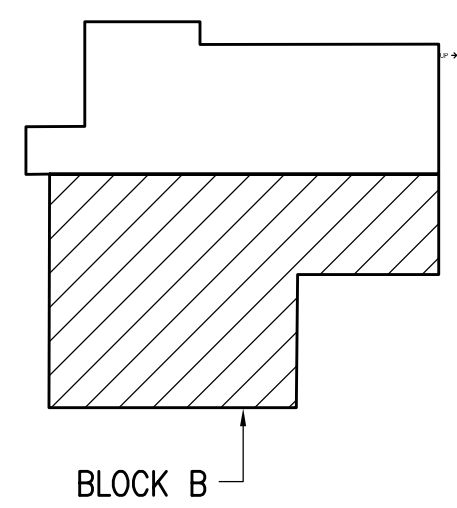
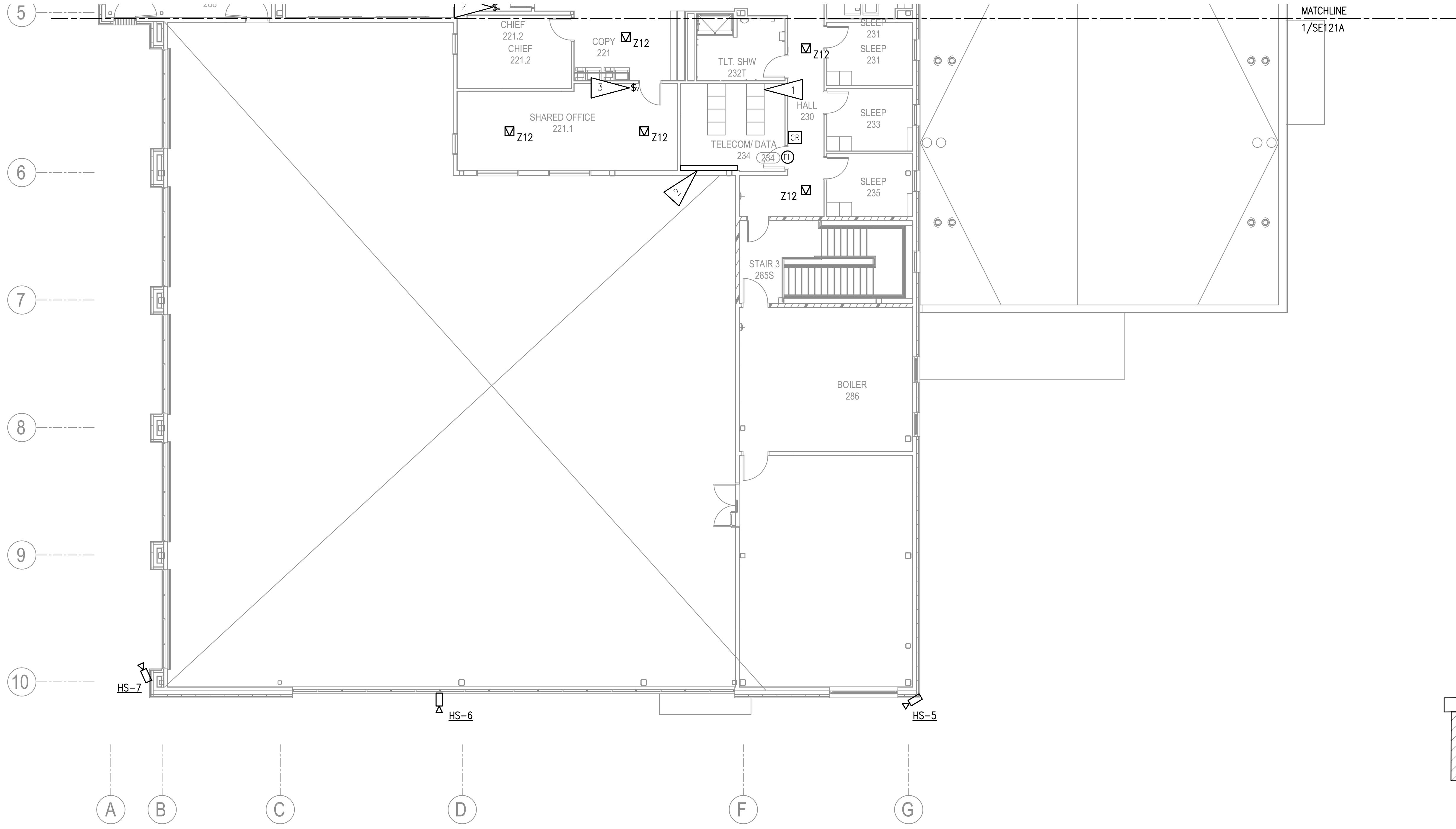
REVISION	DESCRIPTION	DATE

SECOND FLOOR PLAN - BLOCK B

**SE121B**

NOT FOR CONSTRUCTION

BETTISWORTH NORTH ARCHITECTS & PLANNERS



**KEY PLAN**  
NO SCALE

**1 SECOND FLOOR SECURITY PLAN - BLOCK B**  
1/8"=1'-0"

