

CITY OF PHOENIX

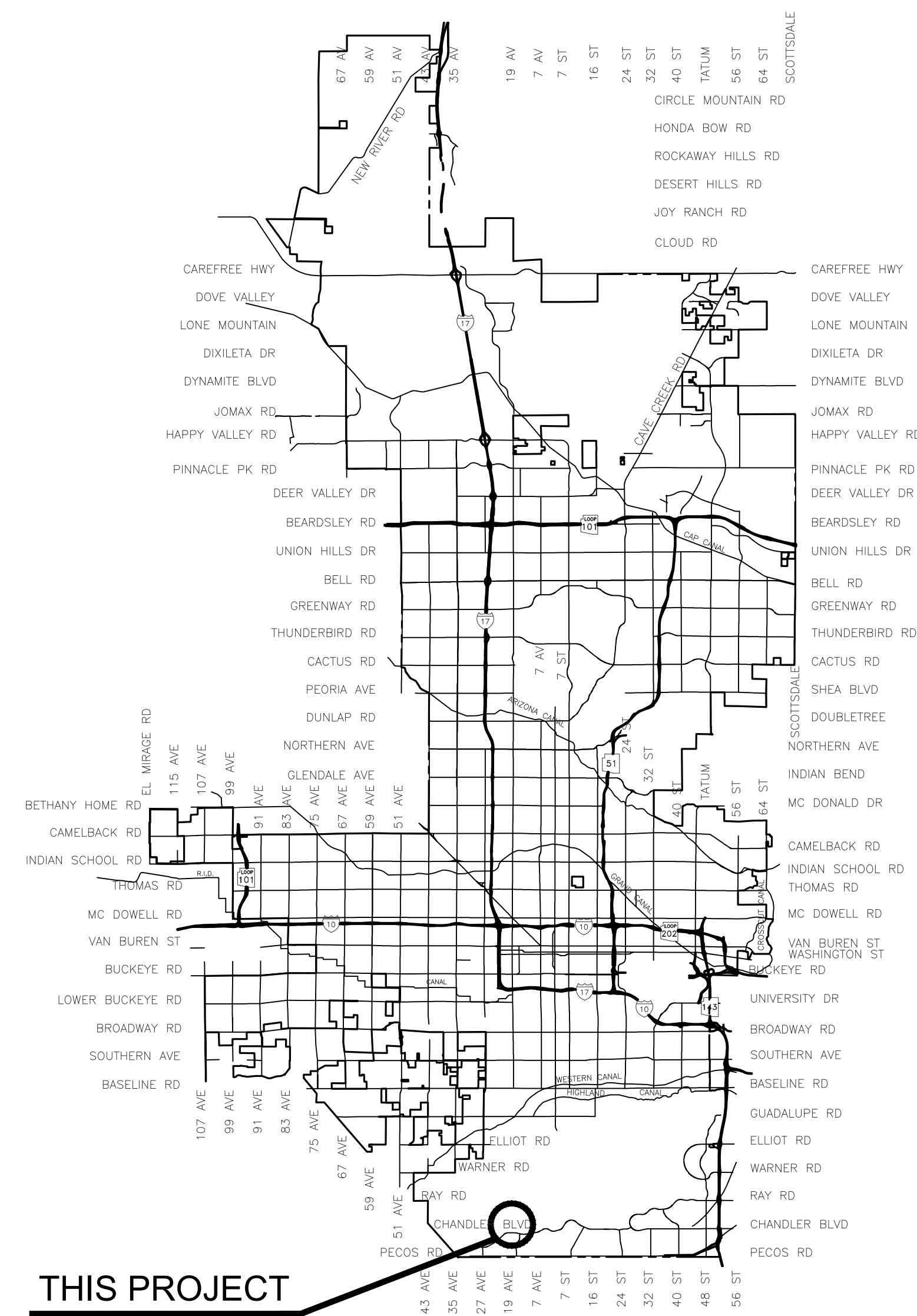
STREET TRANSPORTATION DEPARTMENT

DCM DIVISION, VERTICAL PROJECT MANAGEMENT SECTION

Phoenix Fire Department
Phoenix Fire Station No. 74
1910 W. Chandler Blvd.
FD57100020-3

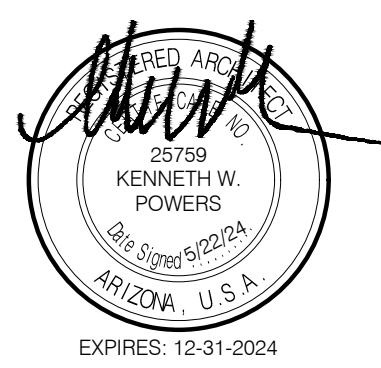


2024



THIS PROJECT

VICINITY MAP
 NTS



MAYOR
 KATE GALLEGRO

CITY COUNCIL

- DISTRICT NO. 1 - ANN O'BRIEN
- DISTRICT NO. 2 - JIM WARING
- DISTRICT NO. 3 - DEBRA STARK
- DISTRICT NO. 4 - LAURA PASTOR
- DISTRICT NO. 5 - BETTY GUARDADO
- DISTRICT NO. 6 - KEVIN ROBINSON
- DISTRICT NO. 7 - YASSAMIN ANSARI
- DISTRICT NO. 8 - KESHA HODGE WASHINGTON

CITY MANAGER
 JEFF BARTON

CITY ENGINEER
 ERIC FROBERG, PE

APPROVALS

ENGINEERING SUPERVISOR

 (CLIENT DEPARTMENT)

DATE
 6/27/24
 DATE

KIVA # 23-1810
 SDEV # 2300473

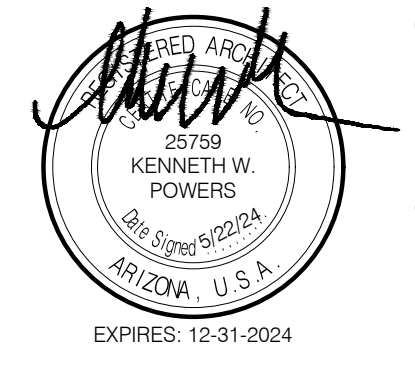
Note:
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POP DIVISION MASTER COVER SHEET REVISION DATE: 08/24/2023

Phoenix Fire Station No. 74



Revisions	Date
△ CITY COMMENTS	5/22/24



Designed By: ET / GA
Drawn By: TA / RS
Checked By: GA / TA
Date: 12/14/2023
Phase: PERMIT

Perlman
Architects of Arizona
2929 North Central Avenue, Suite # 1600
Phoenix, Arizona 85012
480.951.5900 480.951.3045 f
perlmanaz.com

Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**
Index No: **FD57100020-3**

BID SET
June 26, 2024

Perlman
Architects of Arizona

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perlmanaz.com



KIVA # 23-1810
SDEV # 2300473

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COVER SHEET
A0.00

CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

ARCHITECTURAL ABBREVIATIONS

Table of architectural abbreviations including AB, AC, ACT, ACP, ADDM, ADJ, AFF, AFG, AFS, AGGR, AGL, ALT, AMB, AMP, AMT, ANT, ARCH, ASSN, ASSY, AV, AVE, B&B, BAL, BAT, BD, BITUM, BL, BLD, BLKG, BLST, BLW, BLVD, BM, BRG, BTU, BTUH, BU, BUR, CAB, CEM PLAST, CER TILE, CFF, CHAN, CI, CJ, CL, CLG, CLG HT, CMP, CMU, CNTR, CO, COL, COMB, CONC, CONF, CONSTR, CONT, CONTR, COORD, OPT, CRS, DAT, DEMO, DET, DIFF, DIM, DISP, DN, DR, DWG, EQM, ELEV, ELECT, ELEV, ERECT, EST, EXC, EXT, FA, FC, FD, FDN, FEC, FHC, FHWS, FIN, FIN FLR, FIN GR, FL, FLR, FLR FIN, FOC, FOM, FPM, FS, FTG, FURN, G, GAS, GA, GALV, GI, GENL CONTR, GLU LAM, GYP BD, HB, HD, HDBD, HDWD, HM, HORIZ, INSTL, INSUL, INV, ISO, JCT, JST, KO, LAM, LAV, LG, LL, MAINT, MAN, MAS, MATL, MAX, MECH, MEMB, MET, MFG, MI, MH, MIN, MISC, MTO, NEG, NIC, NO, NOM, NTS, OA, OD, OPNG, OFF, PNT, PERIM, PERP, PIV, PLAM, PLAS, PLYWOOD, PR, PSP, RAD, RB, RD, REC, REF, REIN, RHMS, RHWS, RLC, RO, RNL, SAN, SCHED, SECT, SH, SHT, SIM, SPEC, SQ, SQ FT, SS, STO, STD, STL, STRUCT, SURF, SUSP, T&B, T&G, TEL, TEMP, THK, THRU, TOL, TYP, UNIV, UR, VCT, VERT, VEST, VOL, W/, W/O, WC, WD, WOOD, WDW, WR, WT, GAS GAUGE, GALVANIZED, GENERAL CONTRACTOR, GLUE LAMINATED, GYPSUM BOARD, HOSE BIB, HEAVY DUTY, HARDBOARD, HARDWOOD, HOLLOW METAL, HORIZONTAL, INSTALLATION, INSULATION, INVERT, ISOMETRIC, JOINT, JOIST, KNOCK-OUT, LAMINATION, LAVATORY, LENGTH, LIVE LOAD, MAINTENANCE, MANUAL, MASONRY, MATERIAL, MAXIMUM, MECHANICAL, MEMBRANE, METAL, MANUFACTURING, MANHOLE, MALLEABLE IRON, MINIMUM, MISCELLANEOUS, MOUNTING, NEGATIVE, NOT IN CONTRACT, NOMINAL, NOT TO SCALE, OVERALL, OUTSIDE DIAMETER, OUTSIDE DIMENSION, OPENING, OPPOSITE, PAINT, PERIMETER, PERPENDICULAR, POST INDICATOR VALVE, PLASTER, PLYWOOD, PAIR, POUNDS PER SQUARE FOOT, RAD, ROOF DRAIN, RECESSED, REFERENCE, REINFORCE(D) (ING) (MENT), ROUND HEAD MACHINE SCREW, ROUND HEAD WOOD SCREW, RAILING, ROUGH OPENING, RAIN WATER LEADER, RUBBER BASE, SANITARY, SCHEDULE, SECTION, SHEET(ING), SIMILAR, SPECIFICATION, SQUARE, SQUARE FOOT, SANITARY SEWER, SOUND TRANSMISSION CLASS, STANDARD, STEEL, STRUCTURAL, SURFACE, SUSPENDED, TOP AND BOTTOM, TONGUE AND GROOVE, TELEPHONE, TEMPORARY, THICKNESS, THROUGH, TOLERANCE, TYPICAL, UNIVERSAL, URINAL, VINYL COMPOSITION TILE, VERTICAL, VESTIBULE, VOLUME, WITH, WITHOUT, WATER CLOSET, WIDTH, WOOD, WINDOW, WATER RESISTANT, WEIGHT.

GENERAL NOTES

- A) BUILDING USE: FIRE STATION - OCCUPANCY TYPES R-2, AND S-1. (IBC CHAPTER 3)
B) THE USE OF ROLMEK IS PROHIBITED IN ANY NEW OR EXISTING CONSTRUCTION PER MARICOPA COUNTY AMENDMENT
C) PER 2018 IBC SECTION 107.3.4 PERLMAN ARCHITECTS SHALL BE RESPONSIBLE FOR REVIEWING AND COORDINATING SUBMITTAL DOCUMENTS PREPARED BY OTHERS, INCLUDING PHASED AND DEFERRED SUBMITTAL ITEMS, FOR COMPATIBILITY WITH THE DESIGN OF THE BUILDING.
D) PER 2018 IBC SECTION 107.3.4.1 SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO PERLMAN ARCHITECTS, WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING.

PROJECT DESCRIPTION:

PHOENIX FIRE STATION NO. 74 IS A NEW SINGLE STORY BUILDING OF APPROXIMATELY 13,233 SQUARE FEET. THE PROPOSED FACILITY INCLUDES A THREE BAY APPARATUS, 13 DORMITORIES, FITNESS ROOM AND WORK/LIVING SPACE.

SITE IS APPROXIMATELY 7.74 ACRES OF UNDEVELOPED DESERT RANCLAND, WITH 2.30 ACRES TO BE DEVELOPED LOCATED ON THE NORTHWEST CORNER OF 19TH AVENUE AND CHANDLER BOULEVARD. SEWER AND WATER SERVICE TO BE EXTENDED TO SITE FROM 19TH AVENUE.

FIRE STATION IS DESIGNED PER THE CITY OF PHOENIX FIRE DEPARTMENT BUILDING DESIGN STANDARDS AND WILL INCORPORATE ENVIRONMENTAL DESIGN PRINCIPALS SIMILAR TO LEED TO REDUCE ENERGY CONSUMPTION AND WATER PRESERVATION. BUILDING ENVELOPE IS COMPOSED OF ICF AND CONCRETE MASONRY UNIT WALLS WITH A COMBO OF CONVENTIONAL WOOD, STEEL FRAMING, AND INSULATED METAL DECK ROOF.

PROJECT INFORMATION

ALL CONSTRUCTION WITHIN MARICOPA COUNTY, ARIZONA SHALL COMPLY WITH THE FOLLOWING CODES AND AMENDMENTS PER THEIR ADOPTING ORDINANCES.

Table listing various codes and standards such as 2018 INTERNATIONAL BUILDING CODE (IBC), 2018 INTERNATIONAL MECHANICAL CODE (IMC), 2018 INTERNATIONAL PLUMBING CODE (IPC), 2012 INTERNATIONAL GREEN CONSTRUCTION CODE (IGCC), 2017 NATIONAL ELECTRICAL CODE (NEC), 2009 ICC/ANSI A117.1, 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, 2018 INTERNATIONAL FUEL GAS CODE (IFGC), 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2012 INTERNATIONAL GREEN CONSTRUCTION CODE (IGCC).

OCCUPANCY CLASSIFICATION (CHAPTER 3): RESIDENTIAL - R-2 (SECTION 510); STORAGE - S-1 (SECTION 311); CONGREGATE LIVING AND DORMITORIES AND OFFICES MOTOR VEHICLE STORAGE

OCCUPANCY SEPARATION: (SECTION 508.3) NON-SEPARATED OCCUPANCIES

CONSTRUCTION TYPE: (SECTION 602.5) V-B

DESIGN OCCUPANT LOAD: (SECTION 1004.1) GROUP R-2 = 13 OCCUPANTS, GROUP S-1 = 41 OCCUPANTS, TOTAL BUILDING = 54 OCCUPANTS

Table showing NUMBER OF EXITS REQUIRED (SECTION 1015.1) with columns for GROUP R-2, GROUP S-1, REQUIRED, and PROVIDED.

FIRE PARTITION SEPARATING SLEEPING UNITS AT GROUP R-2 (SECTION 420.2 AND 708.3, EXCEPTION 1 AND 708.4) ONE-HALF HOUR RATED PARTITION PER TABLE 721.1(2) ITEM NO. 13-1-1

AUTOMATIC SPRINKLER SYSTEM: (SECTION 903.3.1.1.) YES

FIRE ALARM SYSTEM: YES

EMERGENCY LIGHTING: YES WITH STAND-BY GENERATOR/BATTERY BACK UP

Table for BUILDING AREA CALCULATIONS showing OCCUPANCY, GROSS BLDG. AREA, COVERED AREA, and TOTAL for GROUP R-2, GROUP S-1, and TOTALS.

ALLOWABLE BUILDING HEIGHTS (PER TABLE 504.3) AND BUILDING AREA (TABLE 506.2):

ALLOWABLE HEIGHT BASED ON MOST RESTRICTIVE OCCUPANCY (R-2): ALLOWABLE: 60'-0" / 1-STORY, PROVIDED: 31'-6" / 1-STORY

ALLOWABLE BUILDING AREA BASED ON MOST RESTRICTIVE OCCUPANCY (R-2/S1): 28,000 S.F. (R-2/S1 AT TYPE V-B)

ACTUAL BUILDING AREA: 15,352 S.F. < 28,000 S.F.

PORTABLE FIRE EXTINGUISHERS (SEC. 906) CONTRACTOR TO COORDINATE LOCATION WITH OWNER AND MUST COMPLY WITH IFC SEC. 906 AND NFPA 10. VERIFY WITH FIRE MARSHAL.

SPECIAL INSPECTIONS

- 1. INSPECTION OF FABRICATION
2. STEEL CONSTRUCTION
3. MASONRY CONSTRUCTION
4. EPOXY AND EXPANSION BOLTS (INC. BOLT IN CONCRETE/CMU)
5. SPECIAL GRADING, EXCAVATION & FILLING
6. WOOD FRAMING AND ROOF DECK

BID NOTE

WORK PROVIDED FOR THE OFF-SITE WATER EXTENSION FROM STA 3+17 TO STA 0+67 IS TO BE PROVIDED AS A LINE ITEM UNIT COST BY THE CONTRACTOR, AS THE COSTS ASSOCIATED WITH THIS IS TO BE TRACKED DUE TO DIFFERENT FUNDING SOURCES.

DEFERRED SUBMITTALS

- 1. WOOD JOISTS
2. FIRE ALARM SYSTEM
3. AUTOMATIC ROLLING GATE

PLANS & SPECIFICATIONS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE PLANNING & DEVELOPMENT DEPARTMENT AFTER BEING REVIEWED FOR CONFORMANCE WITH THE BUILDING OR STRUCTURE DESIGN BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND SHALL HAVE PDD APPROVAL PRIOR TO ERECTION, CONSTRUCTION OR INSTALLATION IN THE FIELD. THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE SHALL PROVIDE A NOTATION ON ALL DEFERRED DOCUMENTS THAT ACKNOWLEDGES REVIEW OF SUCH DOCUMENTS. A SEPARATE PERMIT FOR THE INSTALLATION OF A DEFERRED ITEM SHALL NOT BE REQUIRED UNLESS SPECIFIED IN THIS CODE. IN ALL CASES, DEFERRED SUBMITTAL DOCUMENTS SHALL BEAR A STAMP OR NOTE FROM THE ENGINEER AND ARCHITECT OF RECORD INDICATING THAT THEY HAVE REVIEWED THE DOCUMENTS FOR GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING PRIOR TO SUBMITTING THEM TO THE BUILDING INSPECTOR OR THE PLAN REVIEWER.

City of Phoenix
Fire Station No. 74

1910 W. Chandler Blvd.
Phoenix, AZ 85045

PROJECT TEAM

OWNER: PHOENIX FIRE DEPARTMENT, 2625 S. 19TH AVENUE, PHOENIX, AZ 85009, CONTACT: JAIME GARRIDO, PHX PM, jaim.garrido@phoenix.gov

ARCHITECT: PERLMAN ARCHITECTS OF ARIZONA, 2929 N. CENTRAL AVENUE, SUITE 1600, PHOENIX, AZ 85012, 480.951.5902, CONTACT: GERRALD ADAMS, gerraldo@perlmanaz.com

STRUCTURAL: SIMPLY STRUCTURAL, 730 N. 52ND STREET, SUITE 105, PHOENIX, AZ 85008, 602.443.0303, CONTACT: DAVID SCHOTT, dschott@simplystructural.com

MECHANICAL AND PLUMBING: ASSOCIATED MECHANICAL ENGINEERS, 1121 W. WARNER ROAD, SUITE 107, TEMPE, AZ 85284, 480.966.3996, CONTACT: GEORGE JOSEPHS, georgej@m-engineers.com

ELECTRICAL: AKRIBIS ENGINEERING L.L.C., 3231 S. COUNTRY CLUB WAY, SUITE 102, TEMPE, AZ 85282, 602.393.0201, CONTACT: SHELDON MCINELLY, sheldon@akribiseng.com

LANDSCAPE: LOGAN SIMPSON DESIGN, INC., 51 W. 3RD STREET, SUITE 450, TEMPE, AZ 85281, 480.967.1343, CONTACT: JERRY MOAR, jmoar@logansimpson.com

CIVIL: DIBBLE ENGINEERING, 1626 N. LITCHFIELD ROAD, SUITE 150, GOODYEAR, AZ 85395, 623.935.2258, CONTACT: SHANNON MAUCK, shannon.mauck@dibblecorp.com

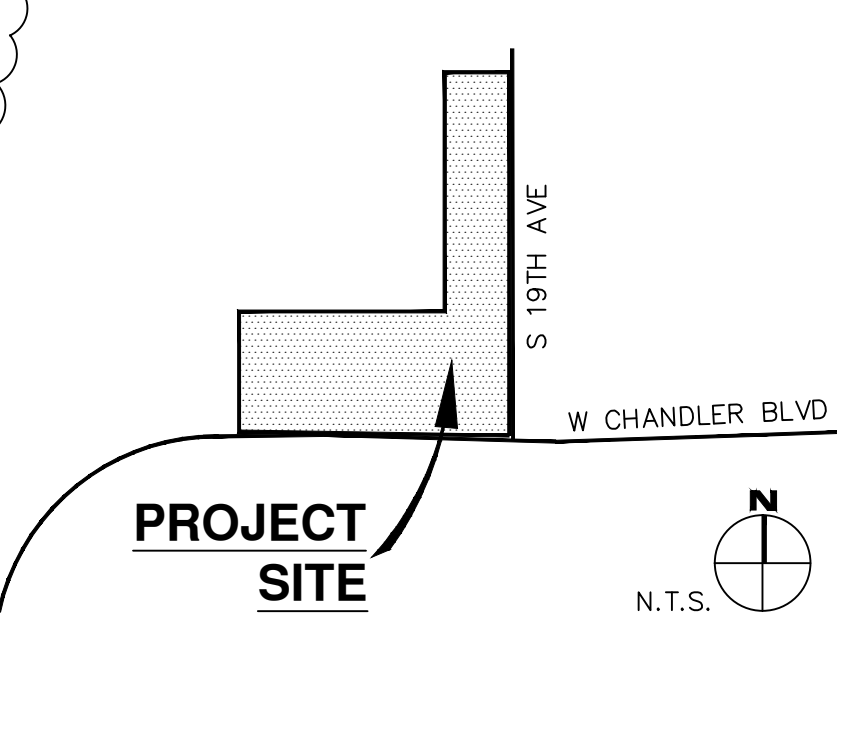
FIRE PROTECTION: EJ ENGINEERING, 21505 N. 78TH AVENUE, SUITE 130, PEORIA, ARIZONA, 85382, 623.362.1400, CONTACT: JOHN ECHEVERRI, john@ejengineering.com

SPECIFICATIONS: SASC SOUTHWEST, LLC, 14140 W. BRONCO TRAIL, SURPRISE, ARIZONA 85387, 480.967.0088, CONTACT: MARTIN HAYES, mhayes@sascsouthwest.com

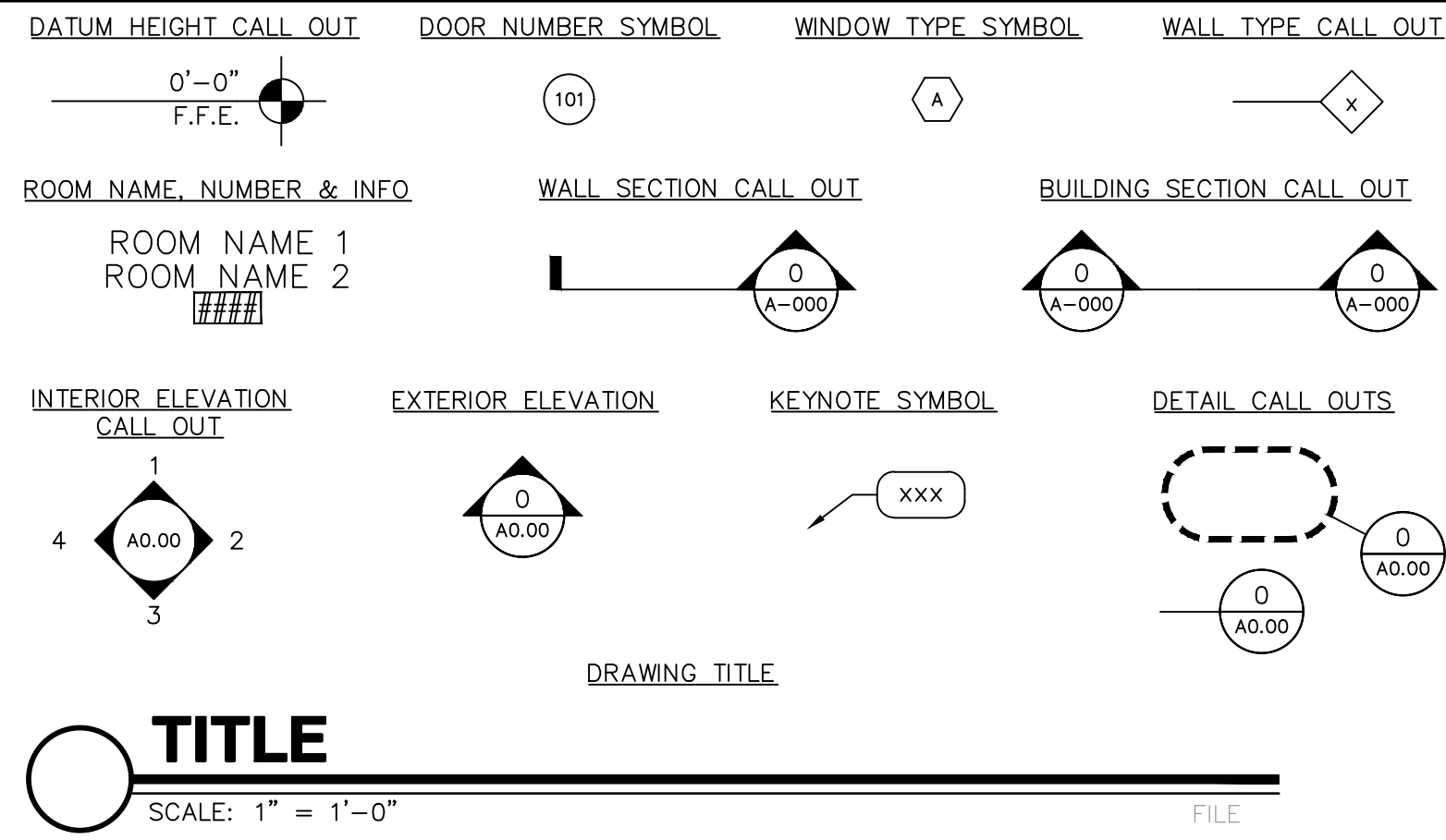
SHEET INDEX

Table listing sheet numbers and titles for ARCHITECTURAL, ELECTRICAL, STRUCTURAL, MECHANICAL, PLUMBING, and CIVIL sections.

VICINITY MAP

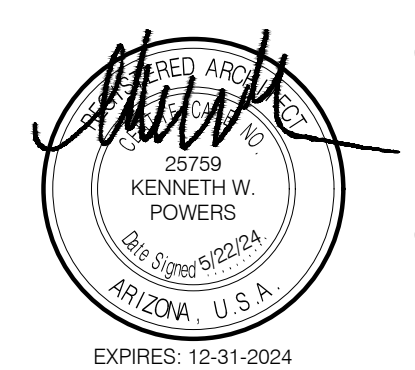


ARCHITECTURAL TAGS AND SYMBOLS



PLANS & SPECIFICATIONS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE PLANNING & DEVELOPMENT DEPARTMENT AFTER BEING REVIEWED FOR CONFORMANCE WITH THE BUILDING OR STRUCTURE DESIGN BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND SHALL HAVE PDD APPROVAL PRIOR TO ERECTION, CONSTRUCTION OR INSTALLATION IN THE FIELD. THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE SHALL PROVIDE A NOTATION ON ALL DEFERRED DOCUMENTS THAT ACKNOWLEDGES REVIEW OF SUCH DOCUMENTS. A SEPARATE PERMIT FOR THE INSTALLATION OF A DEFERRED ITEM SHALL NOT BE REQUIRED UNLESS SPECIFIED IN THIS CODE. IN ALL CASES, DEFERRED SUBMITTAL DOCUMENTS SHALL BEAR A STAMP OR NOTE FROM THE ENGINEER AND ARCHITECT OF RECORD INDICATING THAT THEY HAVE REVIEWED THE DOCUMENTS FOR GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING PRIOR TO SUBMITTING THEM TO THE BUILDING INSPECTOR OR THE PLAN REVIEWER.

Revisions table with columns for Revisions and Date, showing one revision on 5/22/24.



Designed By: ET / GA
Drawn By: TA / RS
Checked By: GA / TA
Date: 12/14/2023
Phase: PERMIT

Perlman Architects of Arizona logo and address: 2929 North Central Avenue, Suite #1600, Phoenix, Arizona 85012, 480.951.5900, 480.951.3045

Project title: FIRE STATION #74, 1910 W. CHANDLER BLVD., PHOENIX, ARIZONA 85045, Index No: FD57100020-3

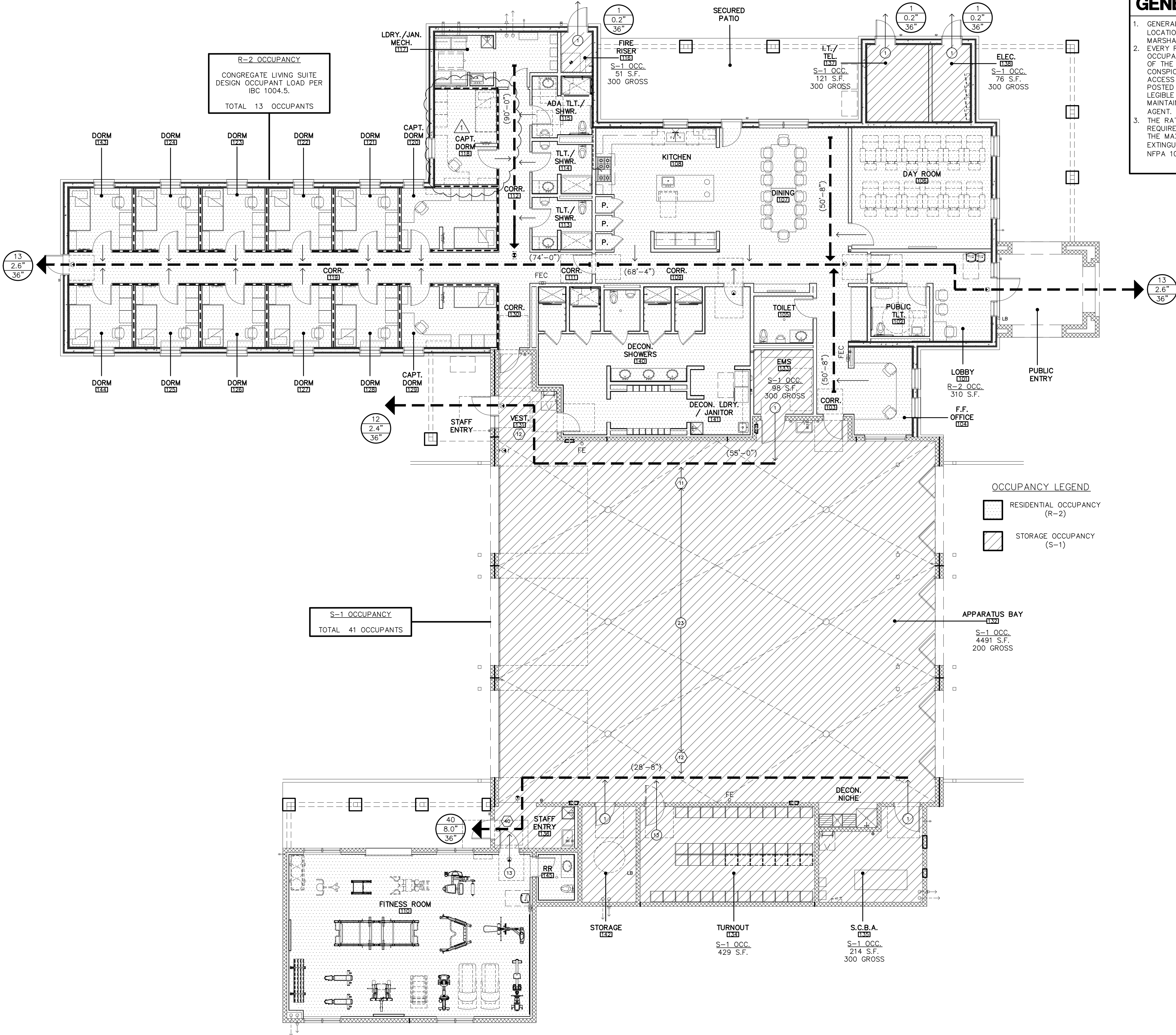


KIVA # 23-1810
SDEV # 2300473
PROJECT DATA: A0.01

1 FLOOR PLAN - EXITING

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

FLOR-EXITING



- ### GENERAL NOTES
- GENERAL CONTRACTOR TO VERIFY EXACT LOCATION(S) OF KNOX BOX(S) WITH THE FIRE MARSHAL PRIOR TO INSTALLATION.
 - EVERY ROOM OR SPACE THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR ACCESS DOORWAY FROM THE ROOM OR SPACE. POSTED SIGNS SHALL BE OF AN APPROVED LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED BY THE OWNER OR AUTHORIZED AGENT. (2018 IBC SEC. 1004.9).
 - THE RATING TYPE (MIN. 2A-10BC) FOR ALL REQUIRED FIRE EXTINGUISHERS SHALL BE NOTED. THE MAXIMUM TRAVEL DISTANCE TO ANY EXTINGUISHER NOT TO EXCEED 75'. (IFC 906, NFPA 10).

- ### LEGEND
- # TOTAL OCCUPANTS PER SPACE - 2018 IBC TABLE 1004.5
 - COMMON PATH OF EGRESS TRAVEL - IBC TABLE 1006.3.3(1)(2) WITH SPRINKLER SYSTEM GROUP S = 100'-0" GROUP R-2 = 125'-0"
 - EXIT ACCESS TRAVEL DISTANCE (TRAVEL DISTANCE) - IBC TABLE 1006.2.1 SPRINKLER SYSTEM GROUP R-2 AND S-1 = 75'-0"
 - # COMBINED OCCUPANTS / CONTRIBUTORY OCCUPANT LOAD FROM ADJACENT SPACES
 - NUMBER OF OCCUPANTS PER EXIT - 2018 IBC TABLE 1004.5
 - REQUIRED EGRESS WIDTH PER OCCUPANT (0.2 INCHES) 2018 IBC SECT. 1005.3.2 EXCEPTION PROVIDED EGRESS WIDTH (INCHES)
 - FE FIRE EXTINGUISHER
 - FEC FIRE EXTINGUISHER CABINET
 - LB LOCK BOX
 - ⊗ EXIT SIGN LOCATION, SEE ELECTRICAL FOR ADDITIONAL INFORMATION
 - ▨ CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION, SEE WALL TYPES
 - ▨ INSULATED CONCRETE FORMS (ICF) WALL CONSTRUCTION, SEE WALL TYPES
 - ▨ STEEL STUD PARTITION CONSTRUCTION, SEE WALL TYPES
 - ▨ ONE-HALF HOUR RATED FIRE RESISTANCE STEEL STUD PARTITION CONSTRUCTION, 2018 IBC SECTION 420.2 AND 708.3, EXCEPTION 1 AND 708.4 (TABLE 721.1(2) ITEM NO. 13-1.1), SEE WALL TYPES

PLUMB. FIXTURES

CODE: MINIMUM NUMBER OF REQUIRED PLUMBING FACILITIES PER 2018 IBC TABLE 2902.1

REQUIRED: R-2 OCCUPANCY (13 OCC.)
13/2 = 6.5 (7.0)

WATER CLOSETS:
(M) 1 PER 10 = 6.5/10 = 0.65
(F) 1 PER 10 = 6.5/10 = 0.65

LAVATORIES:
(M) 1 PER 10 = 6.5/10 = 0.65
(F) 1 PER 10 = 6.5/10 = 0.65

BATHUBS OR SHOWERS:
1 PER 8 = 13/8 = 1.63

DRINKING FOUNTAINS:
1 PER 100 = 13/100 = 0.13

SERVICE SINK: 1

REQUIRED: S-1 OCCUPANCY (41 OCC.)
41/2 = 20.5 (21)

WATER CLOSETS:
(M) 1 PER 100 = 21/100 = 0.21
(F) 1 PER 100 = 21/100 = 0.21

LAVATORIES:
(M) 1 PER 100 = 21/100 = 0.21
(F) 1 PER 100 = 21/100 = 0.21

DRINKING FOUNTAINS:
1 PER 1,000 = 41/1,000 = 0.041

SERVICE SINK: 1

TOTAL REQUIRED: (41 OCCUPANTS)

WATER CLOSETS:
(M) 0.65+0.21 = 0.86 (1 TOTAL)
(F) 0.65+0.21 = 0.86 (1 TOTAL)

LAVATORIES:
(M) 0.65+0.21 = 0.86 (1 TOTAL)
(F) 0.65+0.21 = 0.86 (1 TOTAL)

SHOWERS: 1.86 (2 TOTAL)

DRINKING FOUNTAINS:
0.1+0.041 = 0.141 (1 TOTAL)
1 PER BLDG.

SERVICE SINK: 1

PROVIDED:

WATER CLOSETS: 7
LAVATORIES: 9
SHOWERS: 7
URINALS: 5
DRINKING FOUNTAINS: 2 (PUBLIC H/L0)
1 (H/BOTTLE)
SERVICE SINKS: 2 PROVIDED PER BLDG.

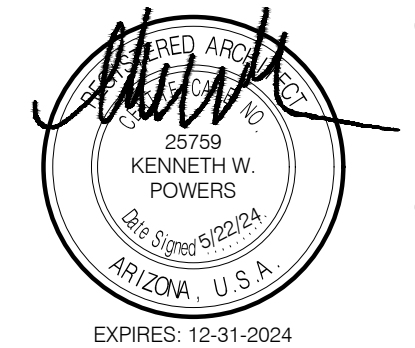
OCCUPANCY LEGEND

- ▨ RESIDENTIAL OCCUPANCY (R-2)
- ▨ STORAGE OCCUPANCY (S-1)

APPARATUS BAY

S-1 OCC. 4491 S.F. 200 GROSS

Revisions	Date
△ CITY COMMENTS	5/22/24



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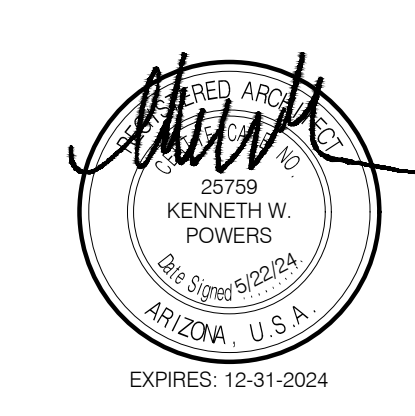


KIVA # **23-1810**
SDEV # **2300473**

EXITING PLAN
A0.11

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Revisions	Date
△ CITY COMMENTS	5/22/24



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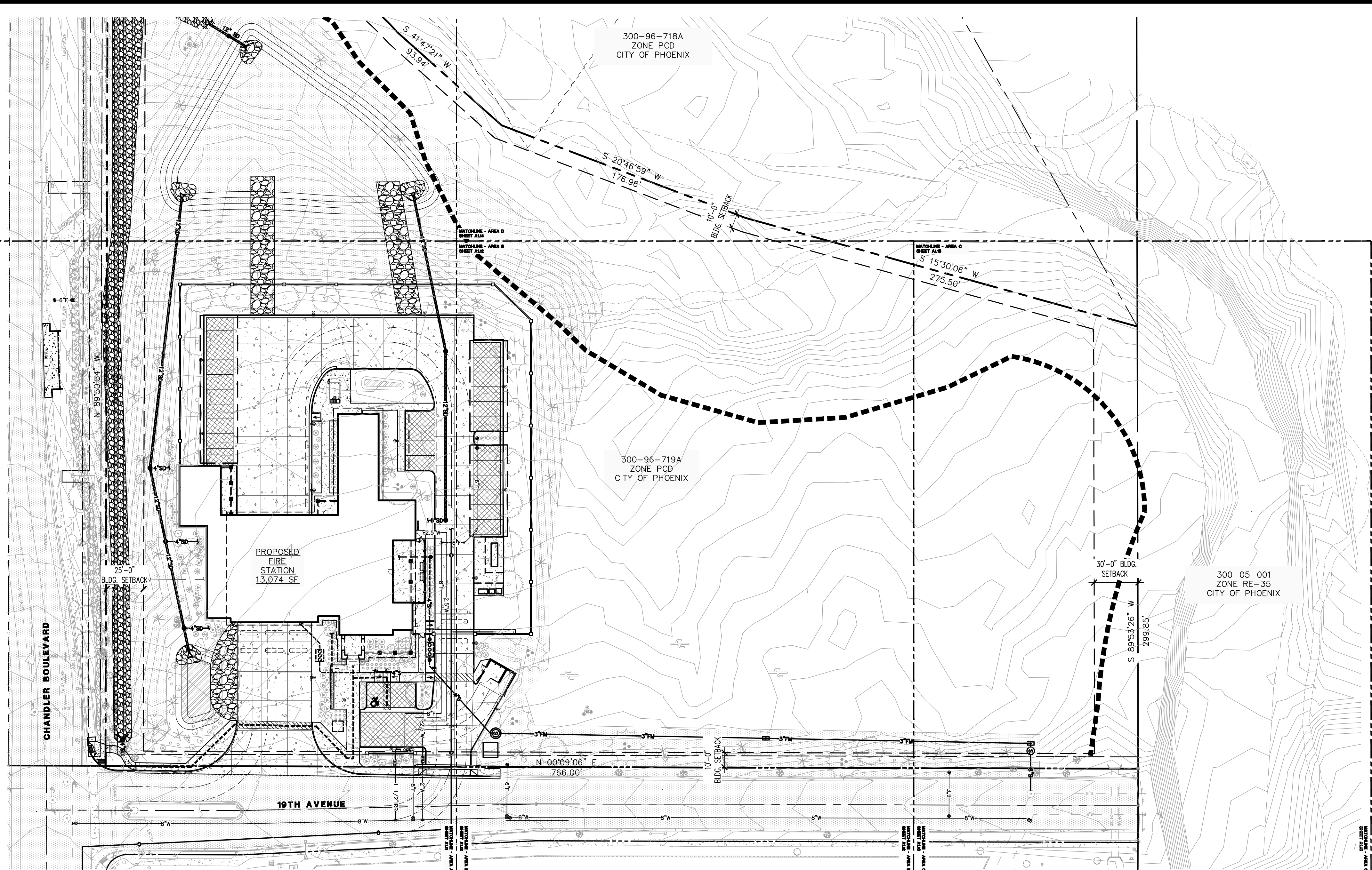
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PHOENIX, ARIZONA 85045**
Index No: **FD57100020-3**

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**OVERALL SITE PLAN
A1.01**

CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL



1 ARCHITECTURAL SITE PLAN
SCALE: 1" = 40'-0"
A-SITE-OVERALL

PARKING REQUIREMENTS	
STAFF PARKING TOTAL REQUIRED:	1 PER 3 EMPLOYEES (13 / 3 = 4.3) 5 SPACES REQUIRED
TOTAL PROVIDED:	2 SPACES PER EMPLOYEES (2.0 x 13 = 26) 26 SPACES PROVIDED
PUBLIC PARKING TOTAL REQUIRED:	1 PER 300 SQ. FT. (LOBBY, PUBLIC TOILET, CORRIDOR 103 AND FIRE FIGHTERS OFFICE = 543 S.F.) 543/300=1.8 -> 2 SPACES
TOTAL PROVIDED:	1 ACCESSIBLE + 2 SPACES

SITE INFORMATION	
SITE ADDRESS:	1910 WEST CHANDLER BOULEVARD PHOENIX, AZ 85045
A.P.N.:	300-96-719A
ZONING:	R1-18 PCD
SITE AREA	GROSS: 337,154 S.F. (7.74 ACRES) NET: 306,226 S.F. (7.03 ACRES)
DISTURBED AREA:	98,881 (2.27 ACRES)
GOVERNMENTAL USES (FIRE STATION)	ALLOWED IN R1-18 PCD ZONING

BUILDING INFORMATION			
CONSTRUCTION TYPE:	V-B		
OCCUPANCY TYPE:	R-2/ S-1		
FIRE SPRINKLER:	NFPA 13		
BUILDING AREA CALCS:			
OCCUPANCY	GROSS BLDG. AREA	COVERED AREA	TOTAL
GROUP R-2	7,749 SQ. FT.	1,917 SQ. FT.	9,666 SQ. FT.
GROUP S-1	5,484 SQ. FT.	202 SQ. FT.	5,686 SQ. FT.
TOTALS =	13,233 SQ. FT.	2,119 SQ. FT.	15,352 SQ. FT.

ZONING REQUIREMENTS	
ALLOWABLE HEIGHT: (1-STORY)	
ALLOWABLE:	30'-0" MAX
PROVIDED:	26'-0" TO MID SLOPE (31'-6" T.O.R.)
LOT COVERAGE	
ALLOWED:	30% MAX
PROVIDED:	15,352.33/306,226 = 5.01%
SETBACKS:	
25'-0" FRONT (SOUTH - CHANDLER BLVD.)	
10'-0" REAR (WEST AND EAST - 19TH AVE)	
30'-0" REAR (NORTH)	

OWNER	
PHOENIX FIRE DEPARTMENT 2625 S. 19TH AVE. PHOENIX, AZ 85009 PH:602.534.9875	
ARCHITECT	
PERLMAN ARCHITECTS OF ARIZONA, INC. 2929 N. CENTRAL AVENUE, SUITE 1600 PHOENIX, AZ 85012 PH:480.951.5900 FAX:480.951.3045 CONTACT: KEN POWERS KEN@PERLMANARCHITECTSAZ.COM	

CITY APPROVALS	
KIVA #	23-1810
SDEV #	2300473
PAPP #	2306585
QS #	011-24
ZONING CASE #	Z-77-03 WITH STIPULATIONS

- SITE PLAN NOTES**
- DEVELOPMENT AND USE OF THIS SITE WILL CONFORM WITH ALL APPLICABLE CODES AND ORDINANCES.
 - ALL NEW OR RELOCATED UTILITIES WILL BE PLACED UNDERGROUND.
 - STRUCTURES AND LANDSCAPING WITHIN A TRIANGLE MEASURED BACK 10' FROM THE PROPERTY LINE AND 20' ALONG THE PROPERTY LINE ON EACH SIDE OF THE DRIVEWAYS ENTRANCES WILL BE MAINTAINED AT A MAXIMUM HEIGHT OF 3'.
 - STRUCTURES AND LANDSCAPING WITHIN A TRIANGLE MEASURED 33'x33' ALONG THE PROPERTY LINES AT STREET INTERSECTION WILL BE MAINTAINED AT A MAXIMUM HEIGHT OF 3'.
 - ANY LIGHTING WILL BE PLACED SO AS TO DIRECT LIGHT AWAY FROM ADJACENT RESIDENTIAL DISTRICTS AND WILL NOT EXCEED ONE FOOT CANDLE AT THE PROPERTY LINE. NO NOISE, ODOR, OR VIBRATION WILL BE EMITTED AT ANY LEVEL EXCEEDING THE GENERAL LEVEL OF NOISE, ODOR, OR VIBRATION EMITTED BY USES IN THE AREA OUTSIDE OF THE SITE.
 - OWNERS OF PROPERTY ADJACENT TO PUBLIC RIGHTS-OF-WAY WILL HAVE THE RESPONSIBILITY FOR MAINTAINING ALL LANDSCAPING LOCATED WITHIN THE RIGHTS-OF-WAY, IN ACCORDANCE WITH APPROVED PLANS.
 - ALL ROOFTOP EQUIPMENT AND SATELLITE DISHES SHALL BE SCREENED TO THE HEIGHT OF THE TALLEST EQUIPMENT.
 - ALL SERVICE AREAS SHALL BE SCREENED TO CONCEAL TRASH CONTAINERS, LOADING DOCKS, TRANSFORMERS, BACKFLOW PREVENTERS AND OTHER MECHANICAL OR ELECTRICAL EQUIPMENT FROM EYE LEVEL ADJACENT TO ALL PUBLIC STREETS.
 - ALL SIGNAGE REQUIRES SEPARATE REVIEWS, APPROVALS, AND PERMITS. NO SIGNS ARE APPROVED PER THIS PLAN.

LEGAL DESCRIPTION

STATE PLAT NO 30 SOUTH MOUNTAIN 620 AMD MCR 1002-50 PARCEL 9 EX TH PT ROW LY DAF COM SW4 SEC 36 TH N 1816.02F TH S 89D 50M E 142.66F TH CURV LFT RAD 1226F ARC 620.07F TH N 61D 10M E 1346.5F TH CURV LFT RAD 3885.44F ARC 1018.77F TH N 46D 09M E 1426.08F TH CURV RGT RAD 1174F ARC 866.71F TP0B TH N 01D 32M W 61F TH NON-TAN CURV RT RAD BEARS S 01D 32M E 1235F ARC 36.57F TH S 89D 50M E 243.89F TH N 89D 51M E 300F TH S 62.5F TH N 89D 50M W 543.89F TH CURV LFT RAD 1174F ARC 34.76F TP0B P/F 17-0219302

PROJECT DESCRIPTION

PHOENIX FIRE STATION NO. 74 IS A NEW SINGLE STORY BUILDING OF APPROXIMATELY 13,233 SQUARE FEET. THE PROPOSED FACILITY INCLUDES A THREE BAY APPARATUS, 13 DORMITORIES, FITNESS ROOM AND WORK/LIVING SPACE.

SITE IS APPROXIMATELY 7 ACRES OF UNDEVELOPED DESERT RANGELAND LOCATED ON THE NORTHWEST CORNER OF 19TH AVENUE AND CHANDLER BOULEVARD. SEWER AND WATER SERVICE TO BE EXTENDED TO SITE.

FIRE STATION IS DESIGNED PER THE CITY OF PHOENIX FIRE DEPARTMENT BUILDING DESIGN STANDARDS AND WILL INCORPORATE ENVIRONMENTAL DESIGN PRINCIPALS SIMILAR TO LEED TO REDUCE ENERGY CONSUMPTION AND WATER PRESERVATION. BUILDING ENVELOPE IS COMPOSED OF ICF AND CONCRETE MASONRY UNIT WALLS WITH A COMBO OF CONVENTIONAL WOOD / METAL TRUSSES AND INSULATED METAL DECK ROOF.

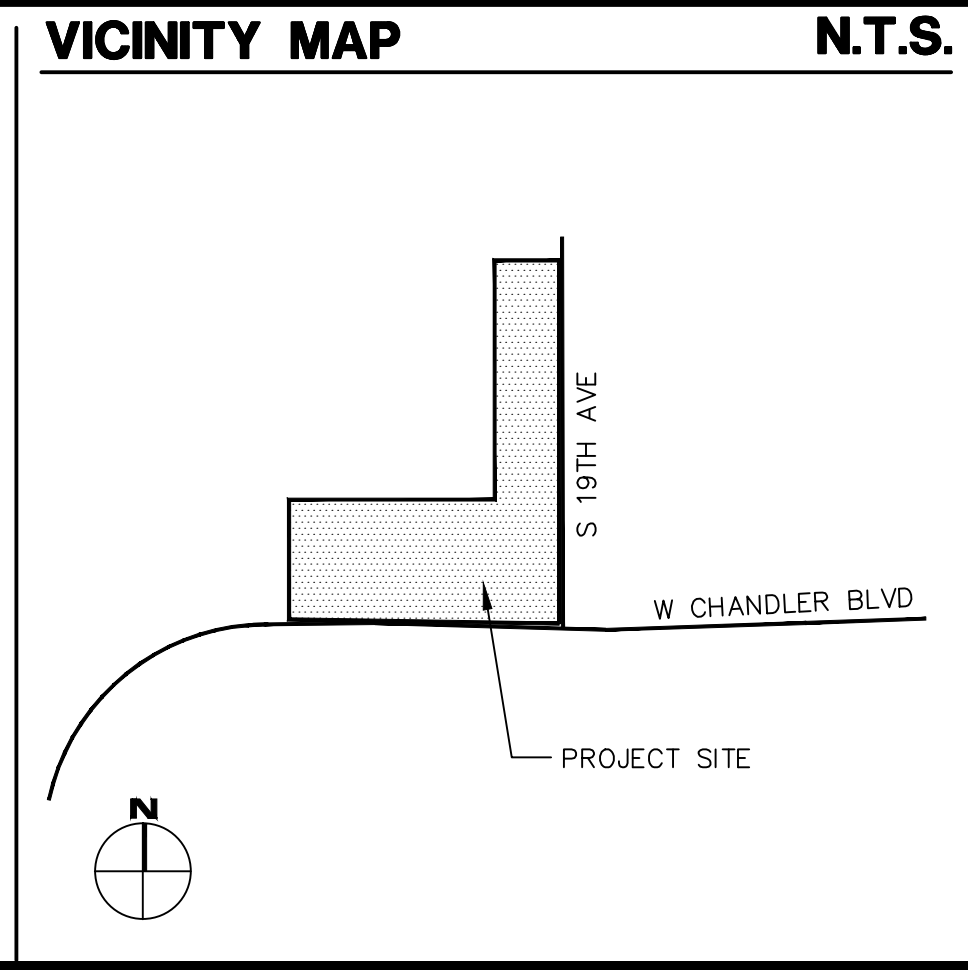
REPRODUCTION CONSENT

I CONSENT TO THE REPRODUCTION OF THIS SITE PLAN PROVIDED THAT IF MODIFICATIONS ARE MADE, THE PROFESSIONALS WHO MAKE SUCH CHANGES ASSUME FULL RESPONSIBILITY AND LIABILITY FOR THE MODIFIED PORTIONS OF THE PLAN.

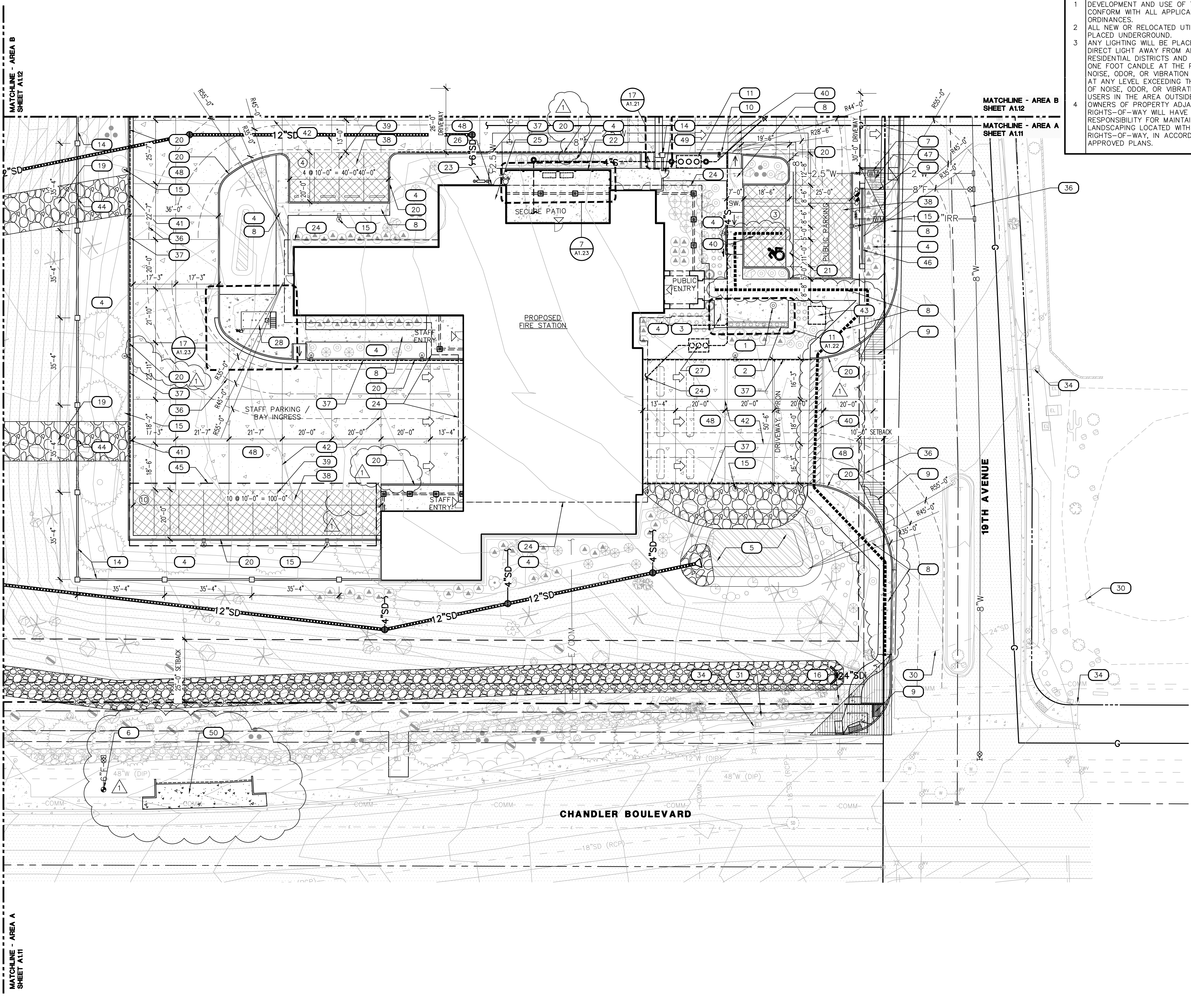
SIGNATURE OF COPYRIGHT OWNER _____

PRINTED NAME OF COPYRIGHT OWNER _____

DATE _____



Note:
Per City of Phoenix City Code Chapter 2, section 2-28, these plans are for official use only and may not be shared with others except as required to fulfill the obligations of your contract with the City of Phoenix.



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- 4

LEGEND

- INDICATES ACCESSIBLE ROUTE. RUNNING SLOPE TO BE 1:20 MAX. CROSS SLOPE TO BE 1:48 MAX.
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- ⬇ ENTRY/ EXIT INTO BUILDING
- ⊙ PARKING COUNT PER ROW
- △ 10'x20' VISIBILITY TRIANGLE
- ▭ CONCRETE PAVING OVER ABC, SEE CIVIL DWGS. SEE DETAIL 15/A1.22 FOR JOINT TREATMENT
- ▨ PAVEMENT PAVERS, SEE CIVIL DWGS. WITH 4" WIDE PAINTED WHITE PARKING STRIPING
- ⊕ SITE LIGHTING, SEE ELECTRICAL

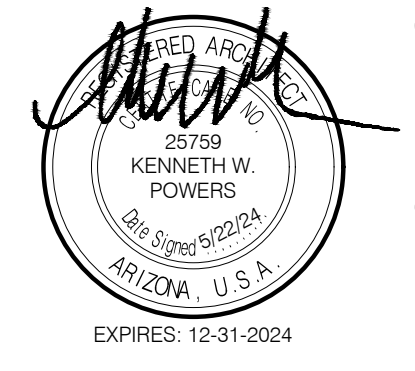
KEYNOTES

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| 2 | PLANTER, SEE 11/A1.22 |
| 3 | BIKE RACK LOCATION, SEE 11 & 17/A1.22 |
| 4 | LANDSCAPED AREA, SEE LANDSCAPE DWGS |
| 5 | RETENTION BASIN, SEE CIVIL AND LANDSCAPE DRAWINGS |
| 6 | NEW FIRE HYDRANT, UNDER SEPARATE PERMIT, REFER TO CIVIL UTILITY PLANS |
| 7 | WATER METER, UNDER SEPARATE PERMIT REFER TO CIVIL PLANS |
| 8 | CONCRETE SIDEWALK, SEE CIVIL DRAWINGS |
| 9 | SIGHT VISIBILITY TRIANGLE, 33'x33' OR 10'x20' GATE / SECURITY PEDESTAL, SEE DETAIL 20/A1.21 |
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| 15 | EXISTING FIRE HYDRANT |
| 16 | ABOVE GROUND GENERATORS WITH WEATHERPROOF HOUSING AND ATTS ON ELEVATED CONCRETE PAD, SEE PLUMBING AND ELECTRICAL DRAWINGS |
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| 20 | 2' WIDE GUTTER, SEE CIVIL DRAWINGS |
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| 48 | NEW CONCRETE BUS STOP PAD |
| 49 | |
| 50 | |

GENERAL NOTES

1. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
2. REFER TO CIVIL DRAWINGS FOR FULL SITE PLAN AND ANY REQUIREMENTS NOT SHOWN.
3. IF ANY ARCHAEOLOGICAL MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, ALL GROUND-DISTURBING ACTIVITIES MUST CEASE WITHIN 10 METERS OF THE DISCOVERY. CITY OF PHOENIX ARCHAEOLOGY OFFICE MUST BE NOTIFIED IMMEDIATELY.

Revisions	Date
△ CITY COMMENTS	5/22/24



Designed By:	ET / GA
Drawn By:	TA / RS
Checked By:	GA / TA
Date:	12/14/2023
Phase:	PERMIT

Perlman
Architects of Arizona
2929 North Central Avenue, Suite # 1600
Phoenix, Arizona 85012
480.951.5900 480.951.3045
perlman.com

Title:
FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
Index No:
FD57100020-3

CITY OF PHOENIX

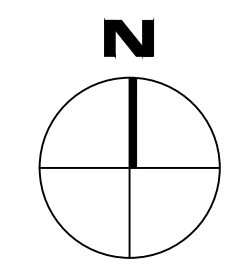
KIVA # 23-1810
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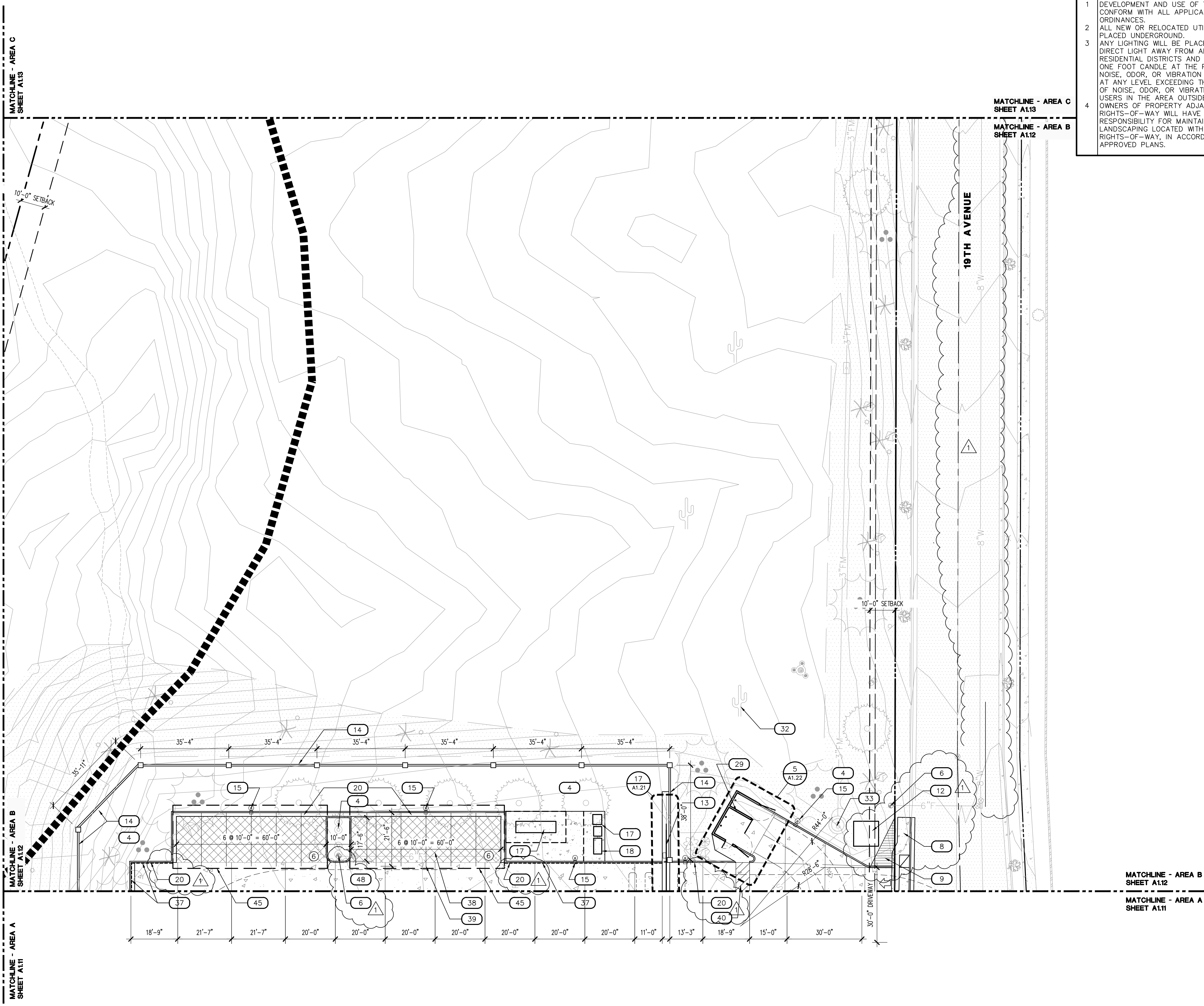
SITE PLAN AREA A
A1.11

1 ARCHITECTURAL SITE PLAN - AREA A

SCALE: 1" = 20'-0"

A-SITE-ANNO



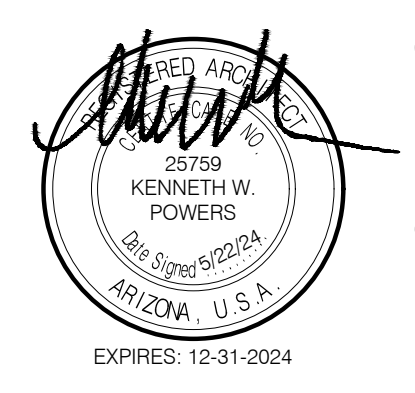


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Revisions	Date
△ CITY COMMENTS	5/22/24



Designed By:
ET / GA

Drawn By:
TA / RS

Checked By:
GA / TA

Date:
12/14/2023

Phase:
PERMIT

Perlman
Architects of Arizona
2929 North Central Avenue, Suite # 1600
Phoenix, Arizona 85012
480.951.5900 480.951.3045
perlman.com

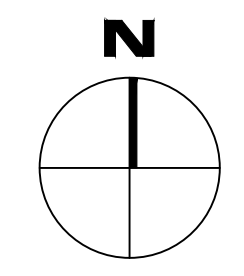
Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**
Index No: **FD57100020-3**

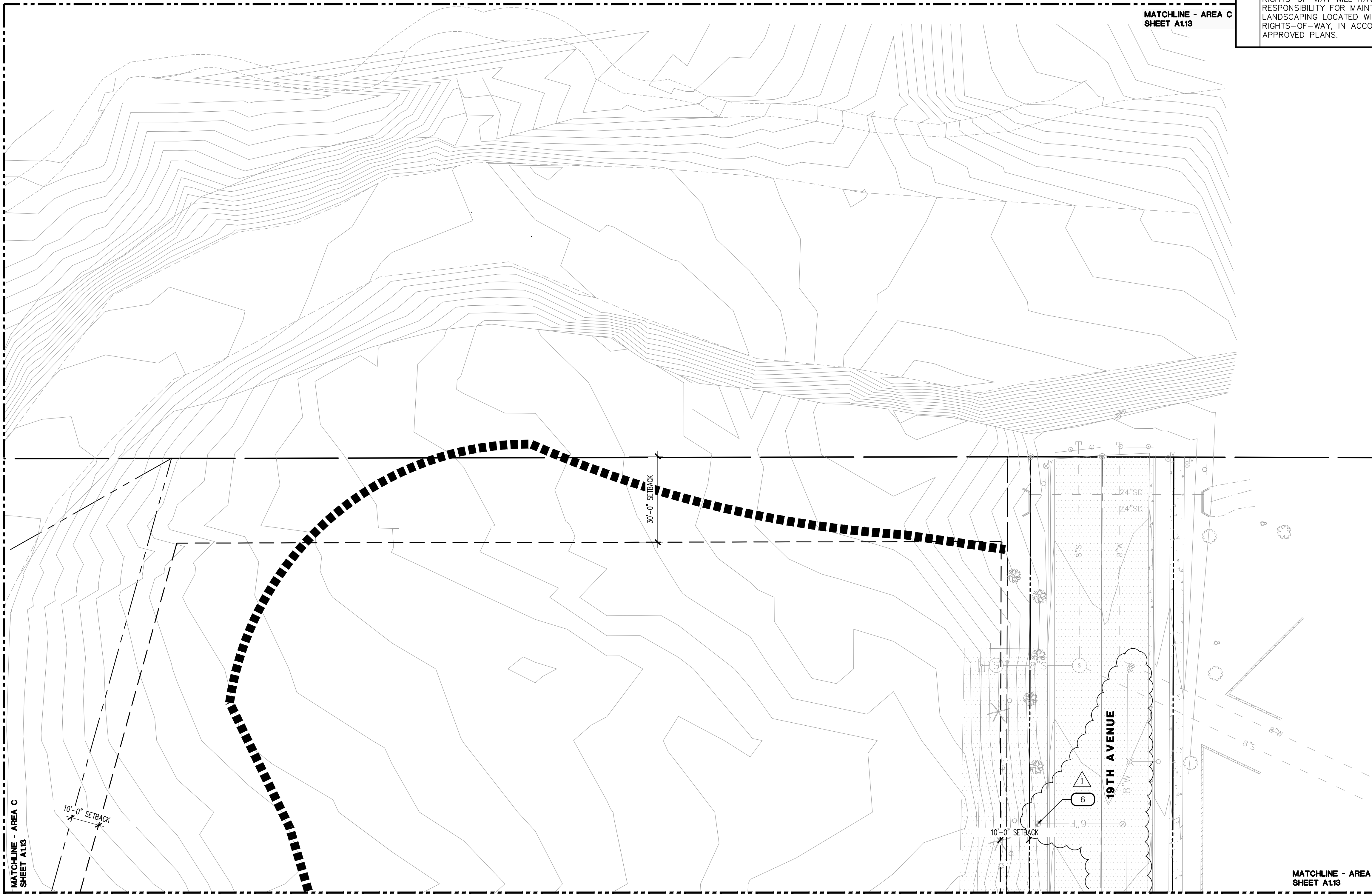
CITY OF PHOENIX
OFFICE OF THE CITY ENGINEER
FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

KIVA # **23-1810**
SDEV # **2300473**

SITE PLAN AREA B
A1.12

2 ARCHITECTURAL SITE PLAN - AREA B
SCALE: 1" = 20'-0"
A-SITE-ANNO





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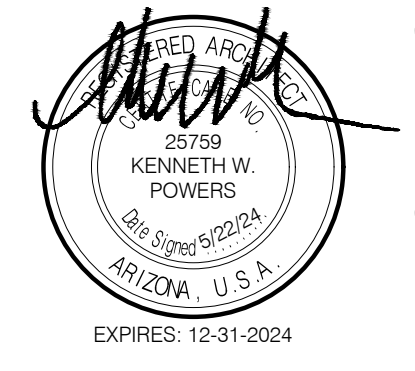
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| 35 | 20' WIDE FIRE APPARATUS TURNING RADIUS PATH, 35' RADIUS INSIDE, 55' RADIUS OUTSIDE |
| 36 | FIRE LANE, RED CURBING WITH WHITE STENCILS "FIRE LANE NO PARKING" |
| 37 | CONCRETE UNIT PAVERS, BELGARD HOLLAND 8"Lx4"W, 6 CM THICK FOUNDRY AND GRAPHITE COLOR BLEND, INSTALL IN BASKET WEAVE PATTERN, PROVIDE SOLDIER COURSE ALONG EDGES |
| 38 | PARKING STRIPING |
| 39 | ACCESSIBLE PATH STRIPING, 5'-0" WIDE |
| 40 | CONCRETE DRAINAGE CURB CUTS, SEE CIVIL DRAWINGS |
| 41 | CONCRETE JOINTING |
| 42 | TRAFFIC CONTROL J-BOX FOR FUTURE TRAFFIC SIGNAL TIE-IN, SEE ELECTRICAL DRAWINGS |
| 43 | SITE WALL DRAINAGE SCUPPER, SEE STRUCTURAL AND CIVIL DRAWINGS |
| 44 | FUTURE PHOTOVOLTAIC SHADE CANOPY, BY OTHERS, UNDER SEPARATE PERMIT |
| 45 | 2'-6" TALL CMU SCREEN WALL, SEE 18/A1.21 |
| 46 | MAILBOX LOCATION, SALSBURY INDUSTRIES ROADSIDE MAILBOX, MODEL #4325 IN SILVER WITH PEDESTAL |
| 47 | CONCRETE DRIVEWAY |
| 48 | PEDESTRIAN MAN GATE, SIMILAR AT TRASH ENCLOSURE |
| 49 | NEW CONCRETE BUS STOP PAD |
| 50 | |

Revisions	Date
△ CITY COMMENTS	5/22/24



Designed By:
ET / GA

Drawn By:
TA / RS

Checked By:
GA / TA

Date:
12/14/2023

Phase:
PERMIT

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Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**

Index No:
FD57100020-3

KIVA # **23-1810**
SDEV # **2300473**

SITE PLAN AREA C

A1.13

GENERAL NOTES

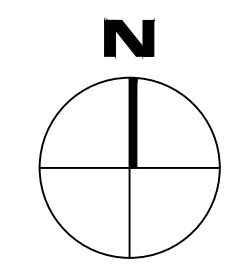
1. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
2. REFER TO CIVIL DRAWINGS FOR FULL SITE PLAN AND ANY REQUIREMENTS NOT SHOWN.
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3 ARCHITECTURAL SITE PLAN - AREA C

SCALE: 1" = 20'-0"

A-SITE-ANNO



CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

SITE PLAN NOTES

- 1 DEVELOPMENT AND USE OF THIS SITE WILL CONFORM WITH ALL APPLICABLE CODES AND ORDINANCES.
- 2 ALL NEW OR RELOCATED UTILITIES WILL BE PLACED UNDERGROUND.
- 3 ANY LIGHTING WILL BE PLACED SO AS TO DIRECT LIGHT AWAY FROM ADJACENT RESIDENTIAL DISTRICTS AND WILL NOT EXCEED ONE FOOT CANDLE AT THE PROPERTY LINE. NO NOISE, ODOR, OR VIBRATION WILL BE EMITTED AT ANY LEVEL EXCEEDING THE GENERAL LEVEL OF NOISE, ODOR, OR VIBRATION EMITTED BY USERS IN THE AREA OUTSIDE OF THE SITE. OWNERS OF PROPERTY ADJACENT TO PUBLIC RIGHTS-OF-WAY WILL HAVE THE RESPONSIBILITY FOR MAINTAINING ALL LANDSCAPING LOCATED WITHIN THE RIGHTS-OF-WAY, IN ACCORDANCE WITH APPROVED PLANS.
- 4

LEGEND

- INDICATES ACCESSIBLE ROUTE. RUNNING SLOPE TO BE 1:20 MAX. CROSS SLOPE TO BE 1:48 MAX.
- DIRECTION OF TRAFFIC FLOW
- ENTRY/ EXIT INTO BUILDING
- PARKING COUNT PER ROW
- 10'x20' VISIBILITY TRIANGLE
- CONCRETE PAVING OVER ABC, SEE CIVIL DWGS. SEE DETAIL 15/A1.22 FOR JOINT TREATMENT
- PERVIOUS PAVERS, SEE CIVIL DWGS. WITH 4" WIDE PAINTED WHITE PARKING STRIPING
- SITE LIGHTING, SEE ELECTRICAL

KEYNOTES

- | # | DESCRIPTION |
|----|---|
| 1 | LOCATION OF FLAGPOLE, COORDINATE WITH MANUFACTURER'S RECOMMENDATIONS, SEE 11/A1.22 AND ELECTRICAL DRAWINGS |
| 2 | PLANTER, SEE 11/A1.22 |
| 3 | BIKE RACK LOCATION, SEE 11 & 17/A1.22 |
| 4 | LANDSCAPED AREA, SEE LANDSCAPE DWGS |
| 5 | RETENTION BASIN, SEE CIVIL AND LANDSCAPE DRAWINGS |
| 6 | NEW FIRE HYDRANT, UNDER SEPARATE PERMIT, REFER TO CIVIL UTILITY PLANS |
| 7 | WATER METER, UNDER SEPARATE PERMIT REFER TO CIVIL PLANS |
| 8 | CONCRETE SIDEWALK, SEE CIVIL DRAWINGS |
| 9 | SIGHT VISIBILITY TRIANGLE, 33'x33" OR 10'x20" GATE / SECURITY PEDESTAL, SEE DETAIL 20/A1.21 |
| 10 | 20'x12' |
| 11 | GREASE INTERCEPTOR, SEE PLUMBING DRAWINGS |
| 12 | ELECTRICAL TRANSFORMER, SET BY LOCAL UTILITY COMPANY, SEE ELECTRICAL DRAWINGS |
| 13 | ROLLING GATE WITH COMMERCIAL DUTY OPERATOR, SEE ENLARGED PLAN 17/A1.21 |
| 14 | 4x8x16 MESASTONE PEPPERCORN BLOCK 6"-0" ABOVE F.F.E. SITE WALL WITH 2'-0"x2'-0"x6'-0" PILASTERS AS SHOWN, FINISH BOTH FACES, SEE DETAIL 18/A1.21 AND CIVIL DRAWINGS FOR GRADE DRAIN BLOCK LOCATIONS |
| 15 | 15'-0" HIGH POLE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS |
| 16 | EXISTING FIRE HYDRANT |
| 17 | ABOVE GROUND GENERATORS WITH WEATHERPROOF HOUSING AND ATS ON ELEVATED CONCRETE PAD, SEE PLUMBING AND ELECTRICAL DRAWINGS |
| 18 | LOCATION OF SES, SEE ELECTRICAL DRAWINGS |
| 19 | DRAINAGE CHANNEL, SEE CIVIL DRAWINGS |
| 20 | 6" CONCRETE CURBING AND GUTTER, SEE CIVIL DRAWINGS |
| 21 | 2' WIDE GUTTER, SEE CIVIL DRAWINGS |
| 22 | PATIO SCREEN WALL, SEE 7/A1.23 |
| 23 | GAS METER AND REGULATOR, SET BY LOCAL GAS COMPANY, SEE PLUMBING DRAWINGS |
| 24 | BUILDING ROOF OVERHANG, SEE ARCHITECTURAL DRAWINGS |
| 25 | LOCATION OF FIRE RISER ROOM, SEE FIRE PROTECTION DRAWINGS |
| 26 | FDC LOCATION, SEE CIVIL DRAWINGS |
| 27 | BELOW GROUND SAND / OIL INTERCEPTOR, SEE PLUMBING DRAWINGS |
| 28 | ABOVE GROUND FUEL STORAGE TANK WITH FUEL FILL STATION, SEE 17/A1.23 |
| 29 | TRASH ENCLOSURE, SEE 5/A1.22 |
| 30 | EXISTING STORM DRAIN AND HEAD WALLS |
| 31 | EXISTING COBBLE WASH |
| 32 | NATIVE TREE TO REMAIN, PROTECT DURING CONSTRUCTION, SEE LANDSCAPE DRAWINGS |
| 33 | SEWER LIFT STATION, SEE CIVIL AND PLUMBING DRAWINGS |
| 34 | EXISTING STREET LIGHT, UNDER SEPARATE PERMIT |
| 35 | NEW STORM DRAIN AND HEAD WALLS |
| 36 | 20' WIDE FIRE APPARATUS TURNING RADIUS PATH, 35' RADIUS INSIDE, 55' RADIUS OUTSIDE FIRE LANE, RED CURBING WITH WHITE STENCILS "FIRE LANE NO PARKING" |
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| 50 | |

GENERAL NOTES

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△ CITY COMMENTS	5/22/24



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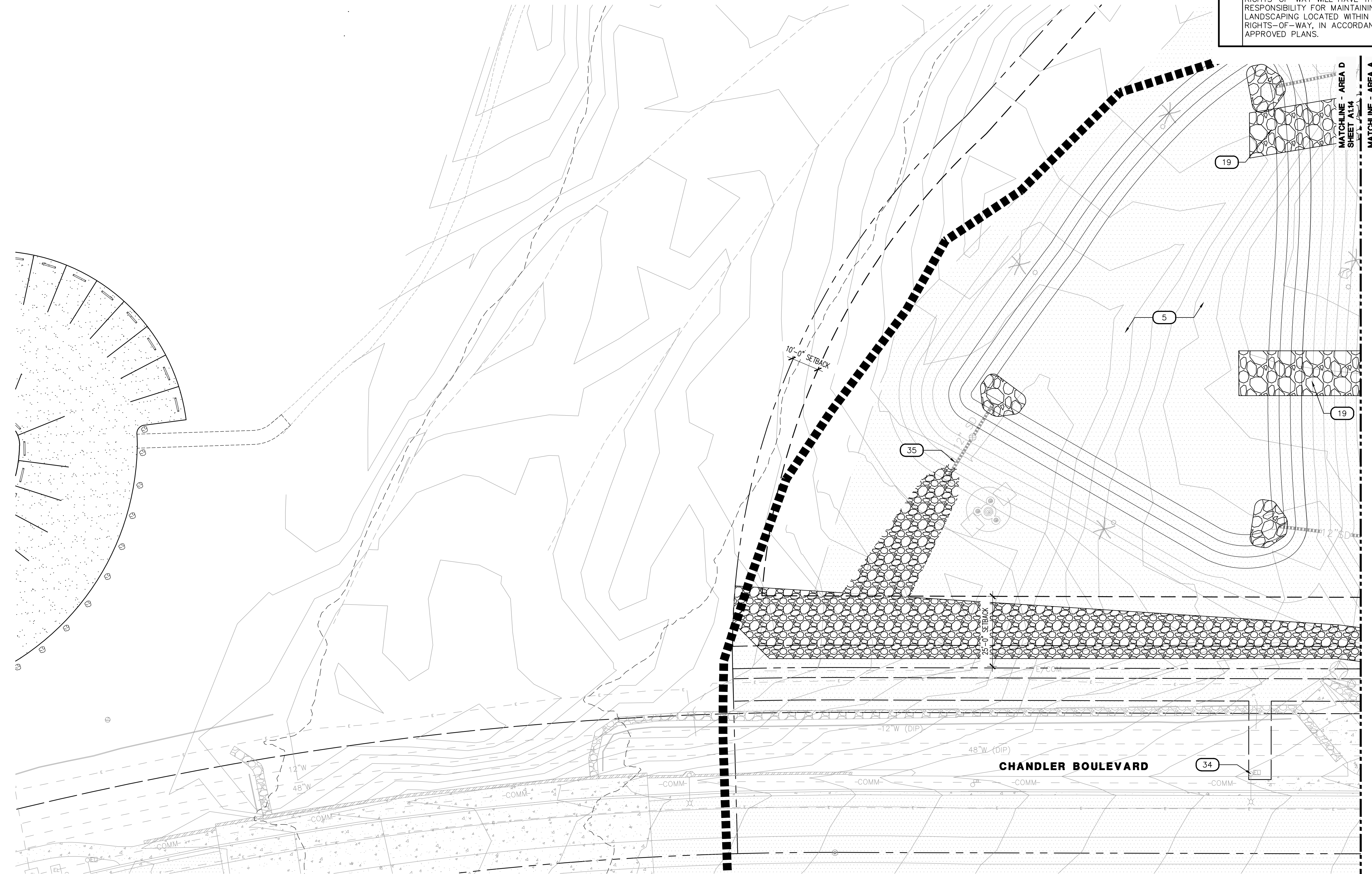
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PHOENIX, ARIZONA 85045**

Index No:
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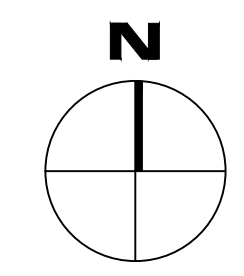
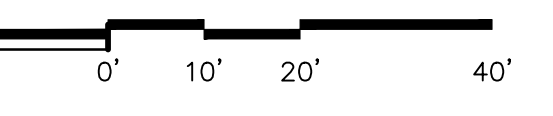
KIVA # **23-1810**
SDEV # **2300473**

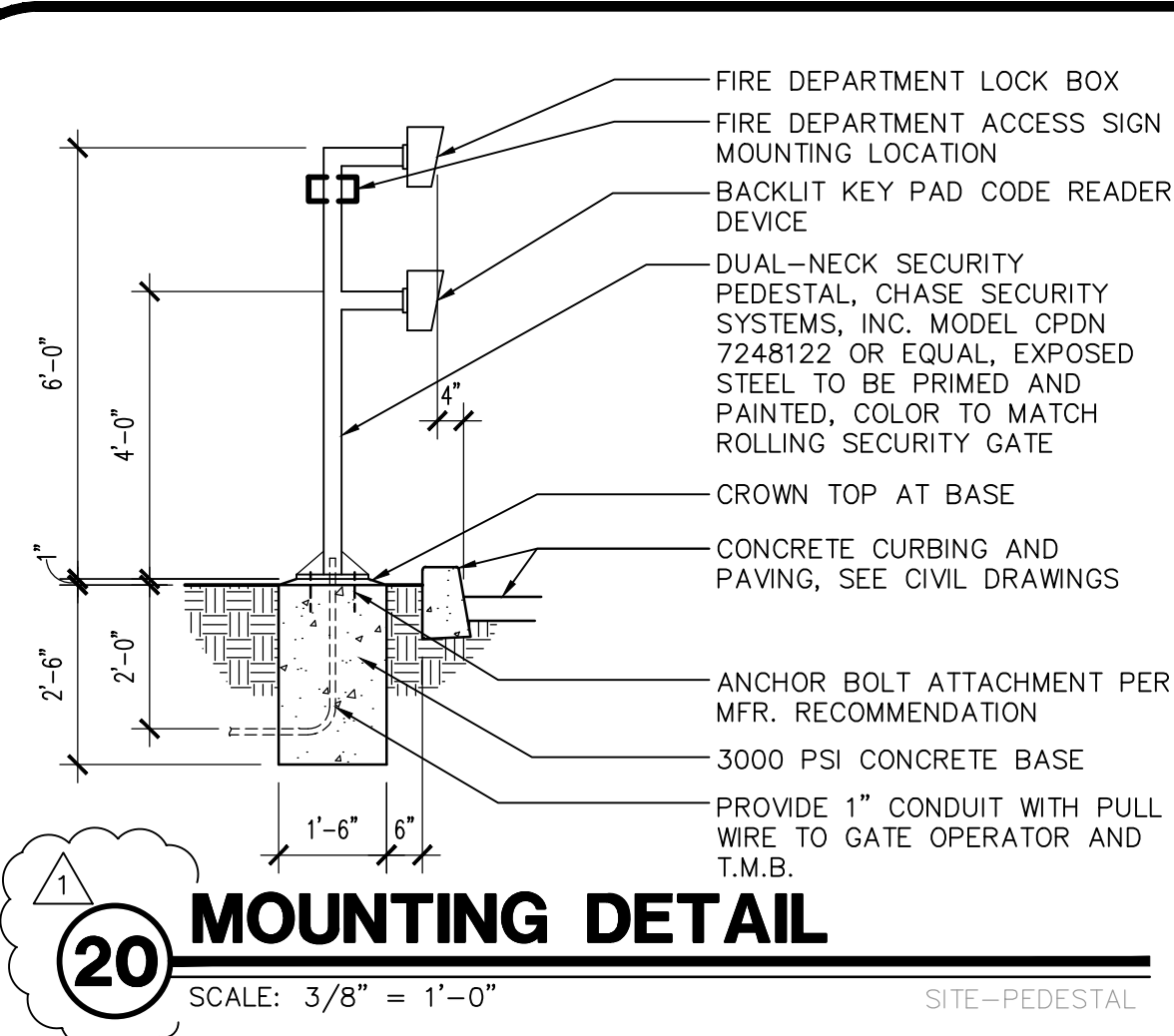
SITE PLAN AREA D
A1.14

CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

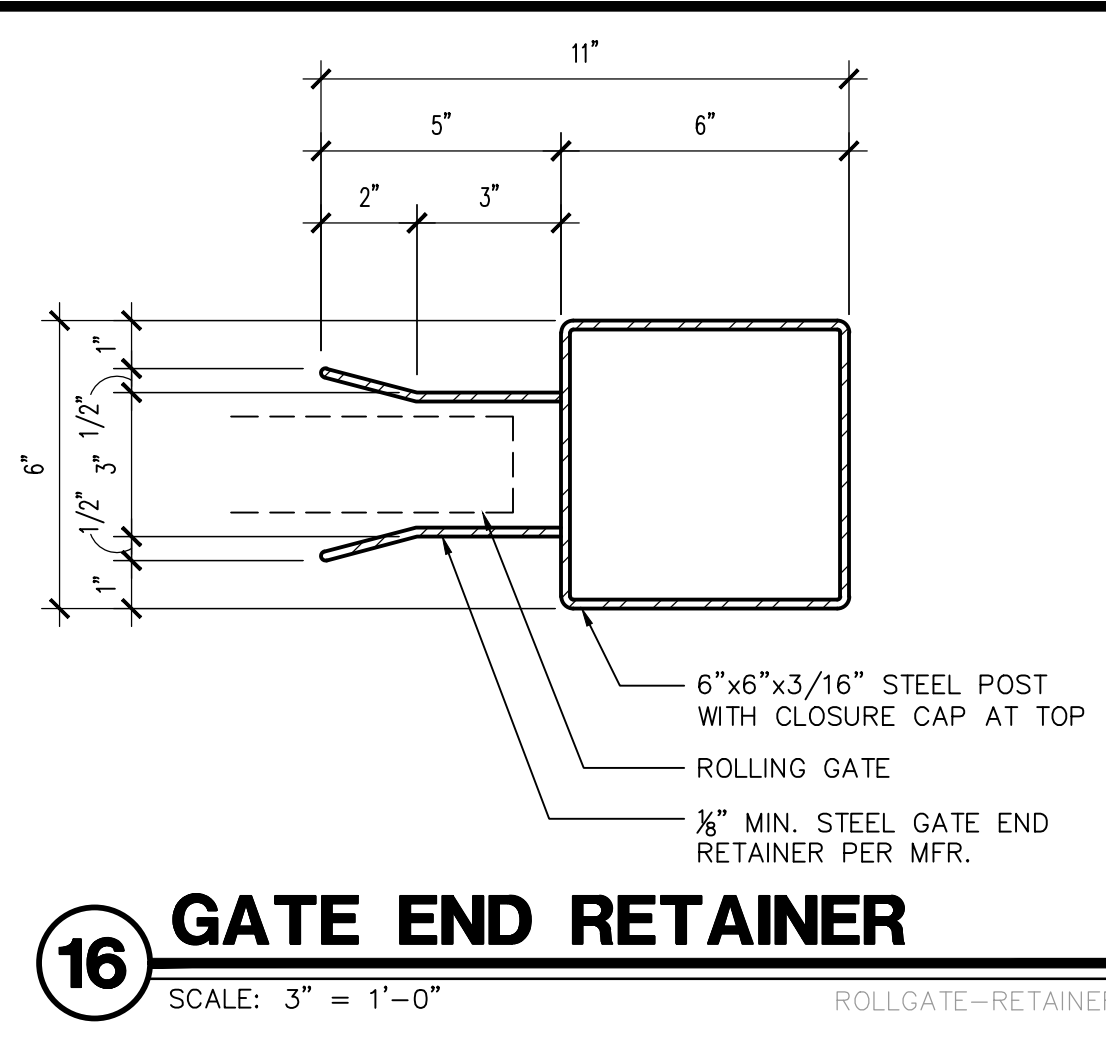


4 ARCHITECTURAL SITE PLAN - AREA D
SCALE: 1" = 20'-0"
A-SITE-ANNO

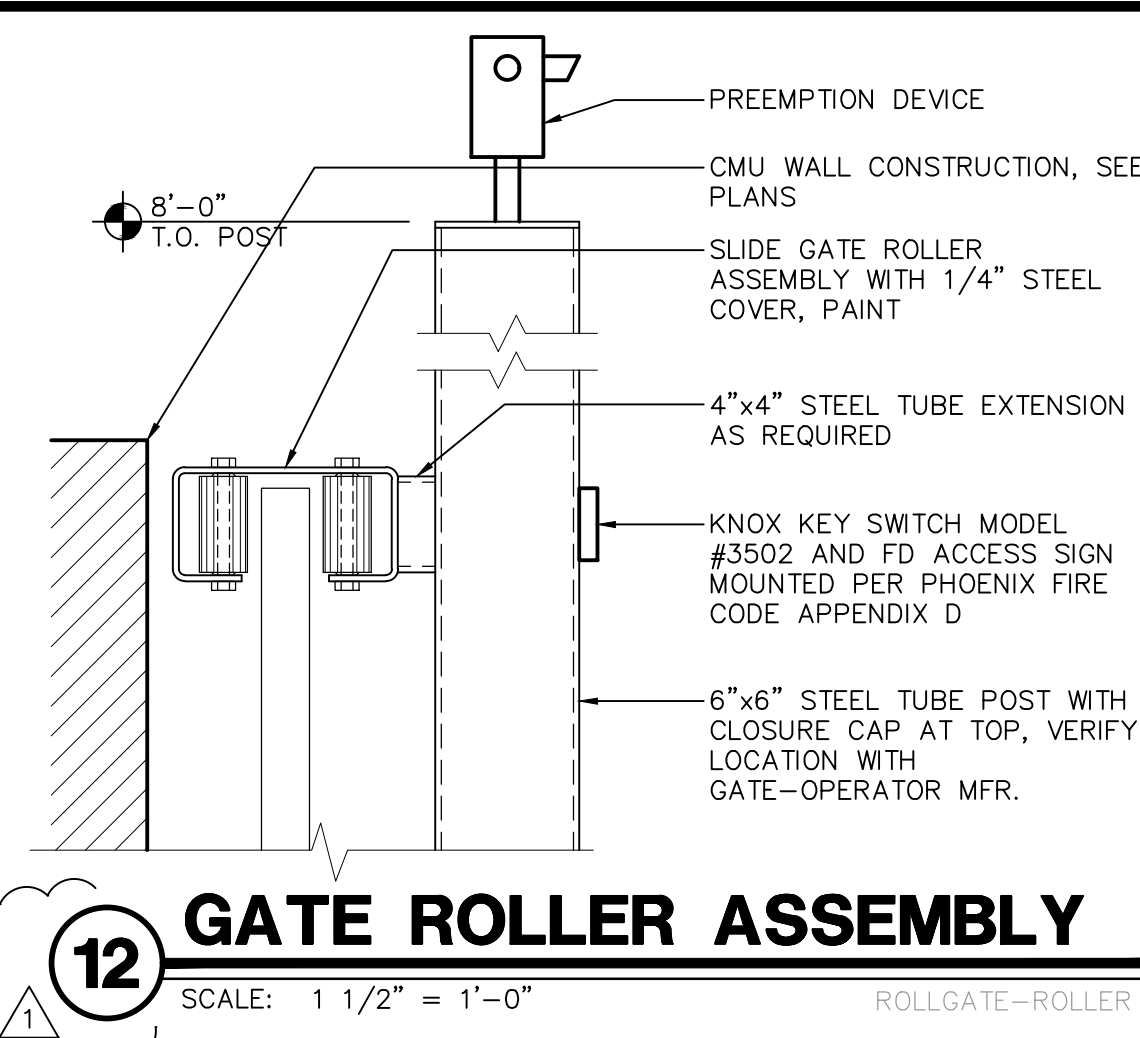




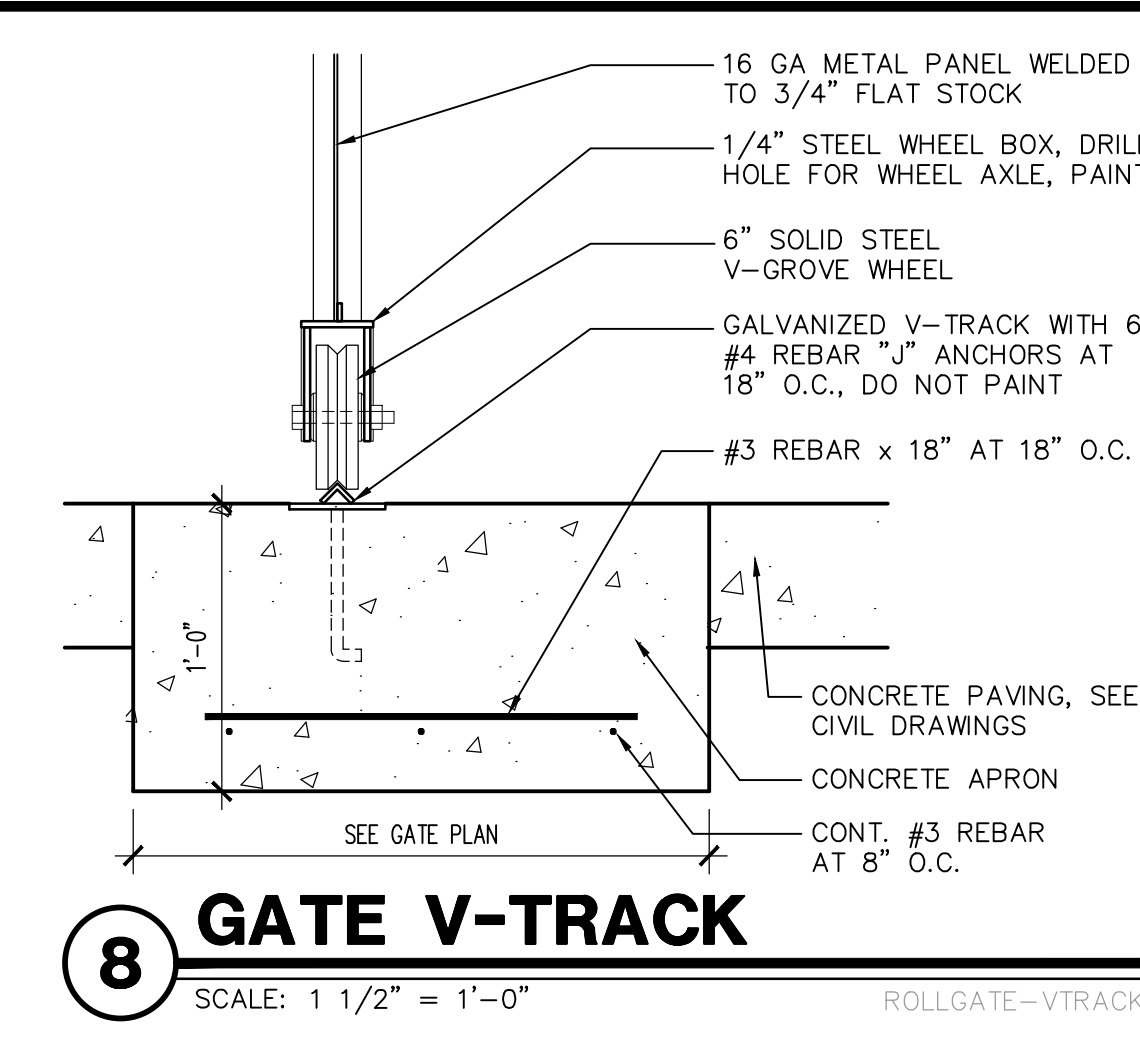
20 MOUNTING DETAIL
SCALE: 3/8" = 1'-0"
SITE-PEDESTAL



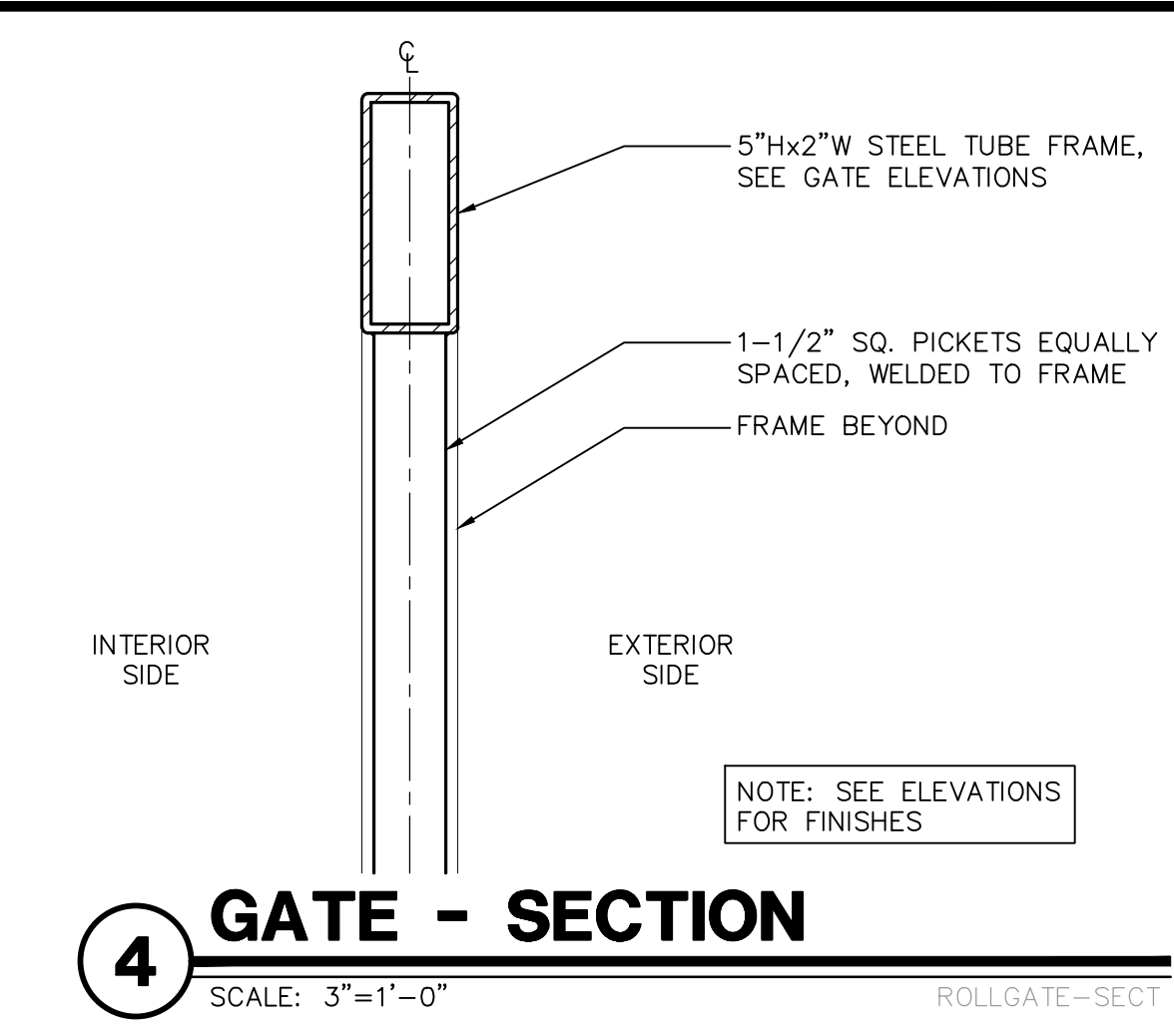
16 GATE END RETAINER
SCALE: 3" = 1'-0"
ROLLGATE-RETAINER



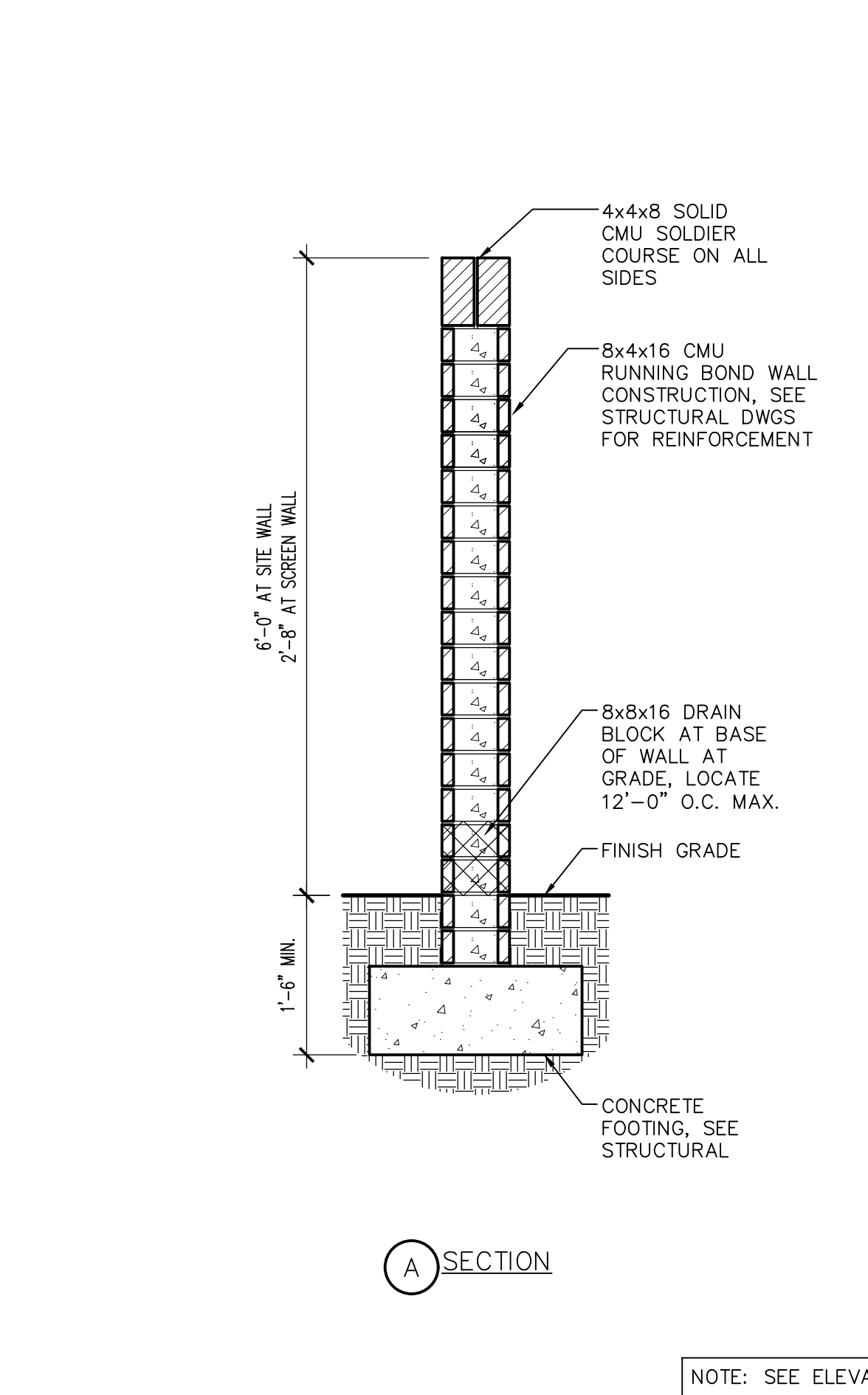
12 GATE ROLLER ASSEMBLY
SCALE: 1 1/2" = 1'-0"
ROLLGATE-ROLLER



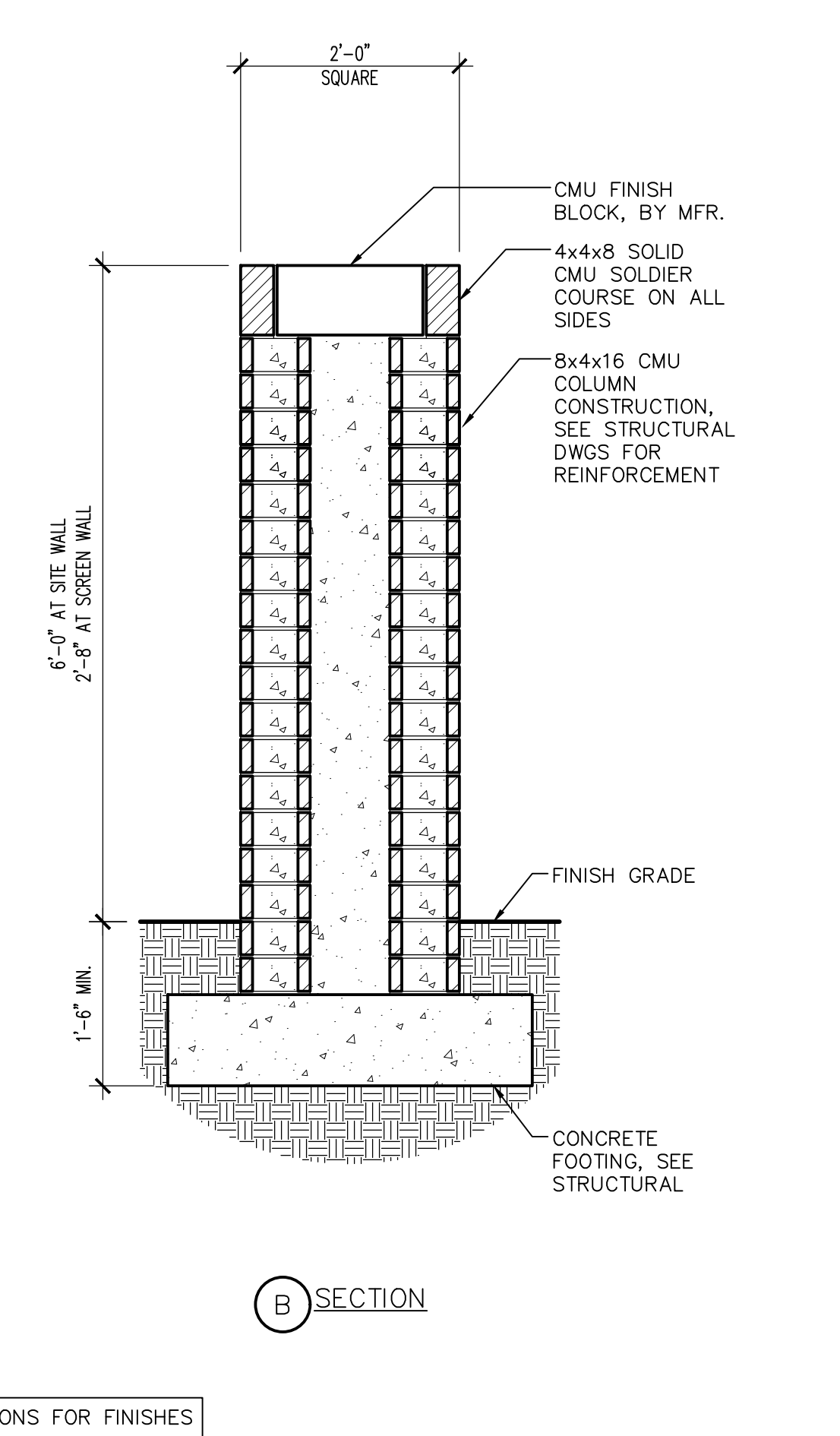
8 GATE V-TRACK
SCALE: 1 1/2" = 1'-0"
ROLLGATE-VTRACK



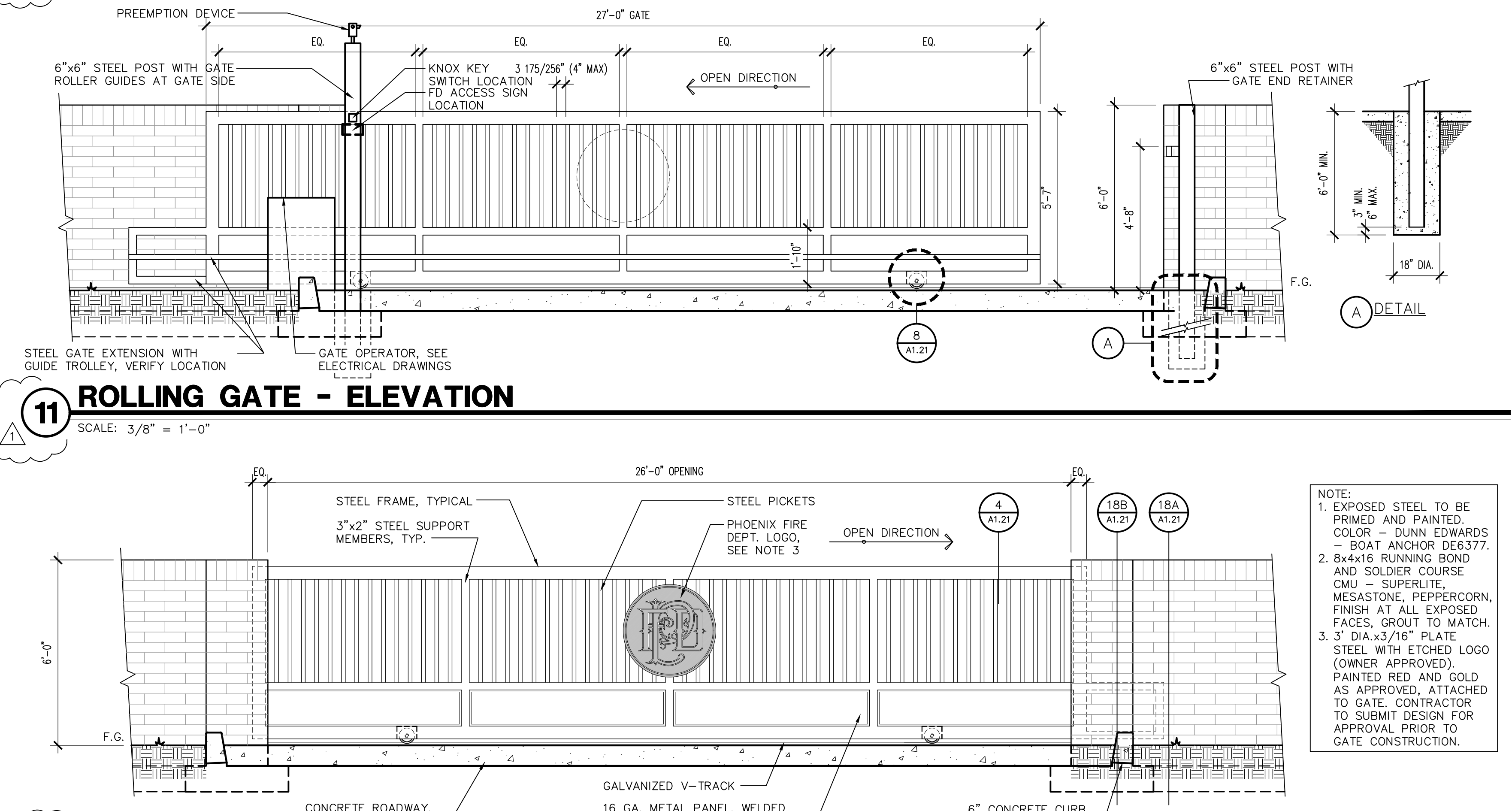
4 GATE - SECTION
SCALE: 3" = 1'-0"
ROLLGATE-SECT



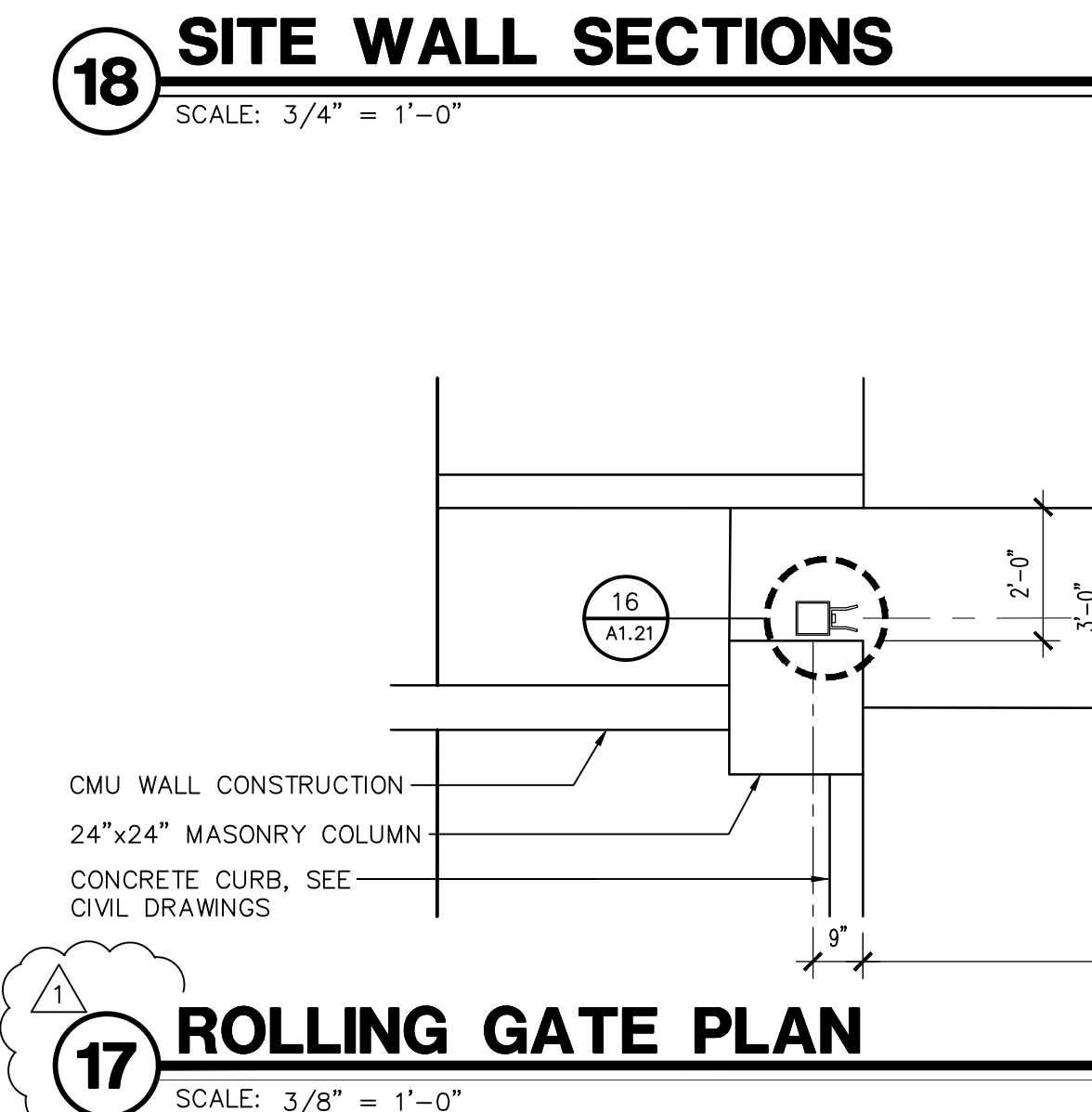
18 SITE WALL SECTIONS
SCALE: 3/4" = 1'-0"
SITEWALL-SECT01



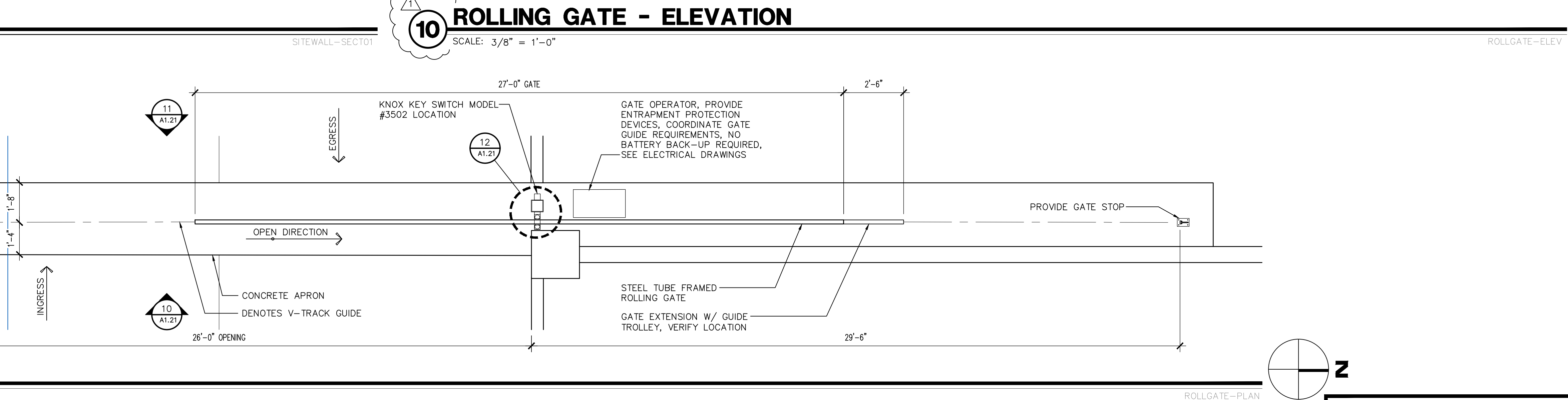
11 ROLLING GATE - ELEVATION
SCALE: 3/8" = 1'-0"



10 ROLLING GATE - ELEVATION
SCALE: 3/8" = 1'-0"
ROLLGATE-ELEV



17 ROLLING GATE PLAN
SCALE: 3/8" = 1'-0"
ROLLGATE-PLAN



10 ROLLING GATE - ELEVATION
SCALE: 3/8" = 1'-0"
ROLLGATE-ELEV

Revisions	Date
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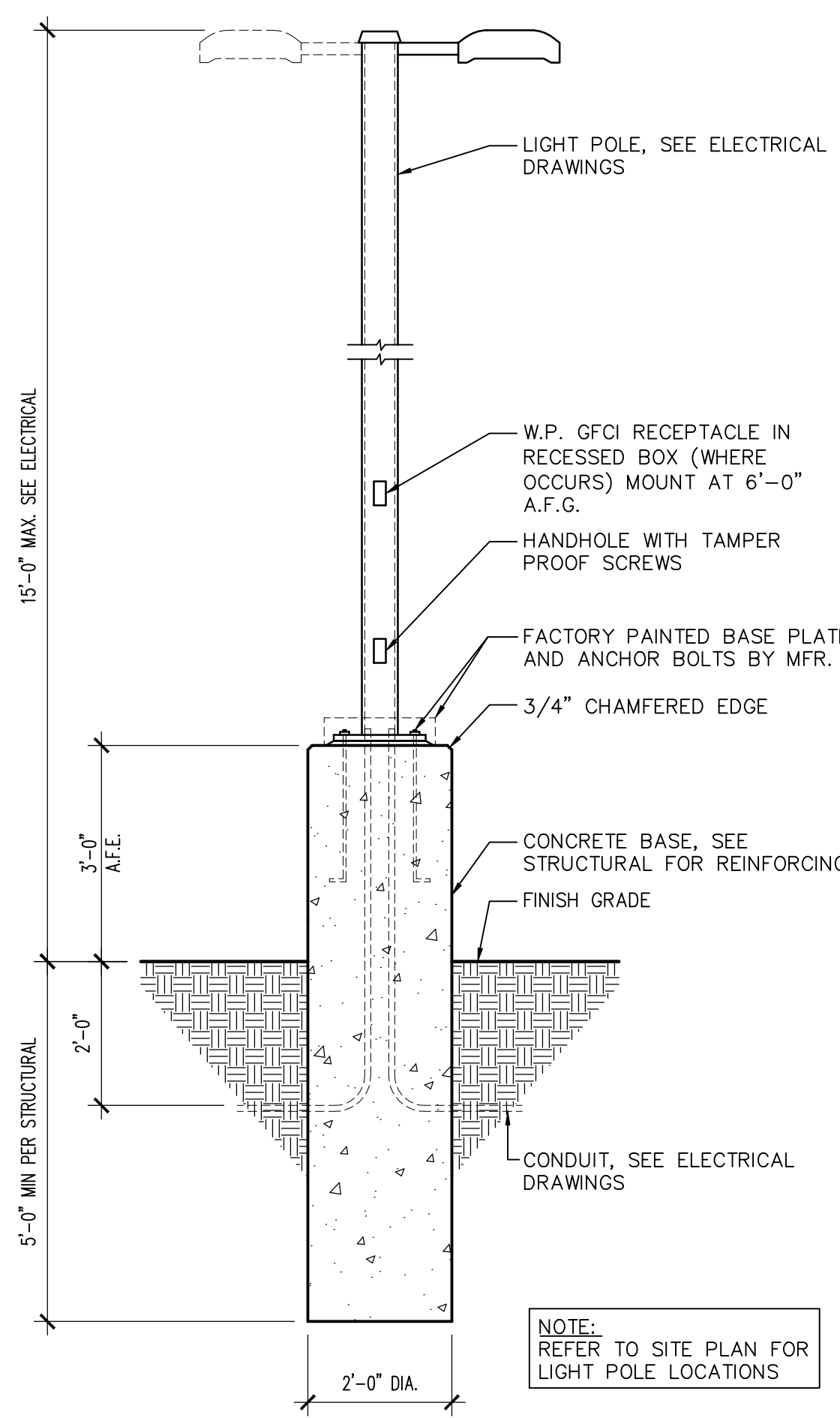
Index No:
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KIVA # **23-1810**
SDEV # **2300473**

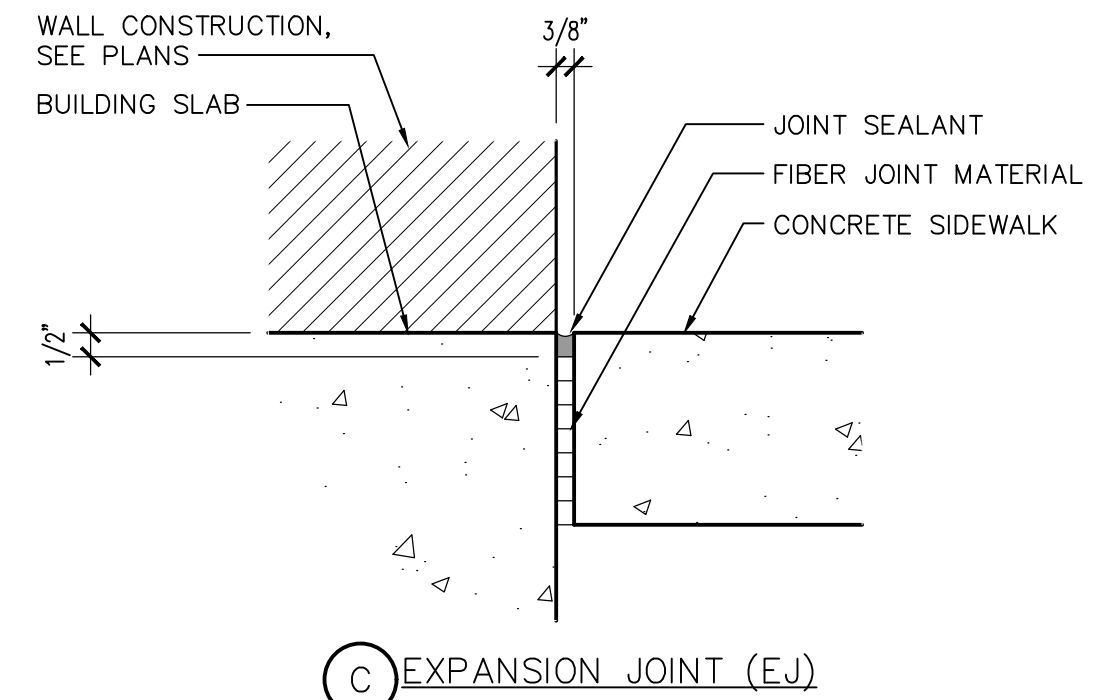
SITE DETAILS

A1.21

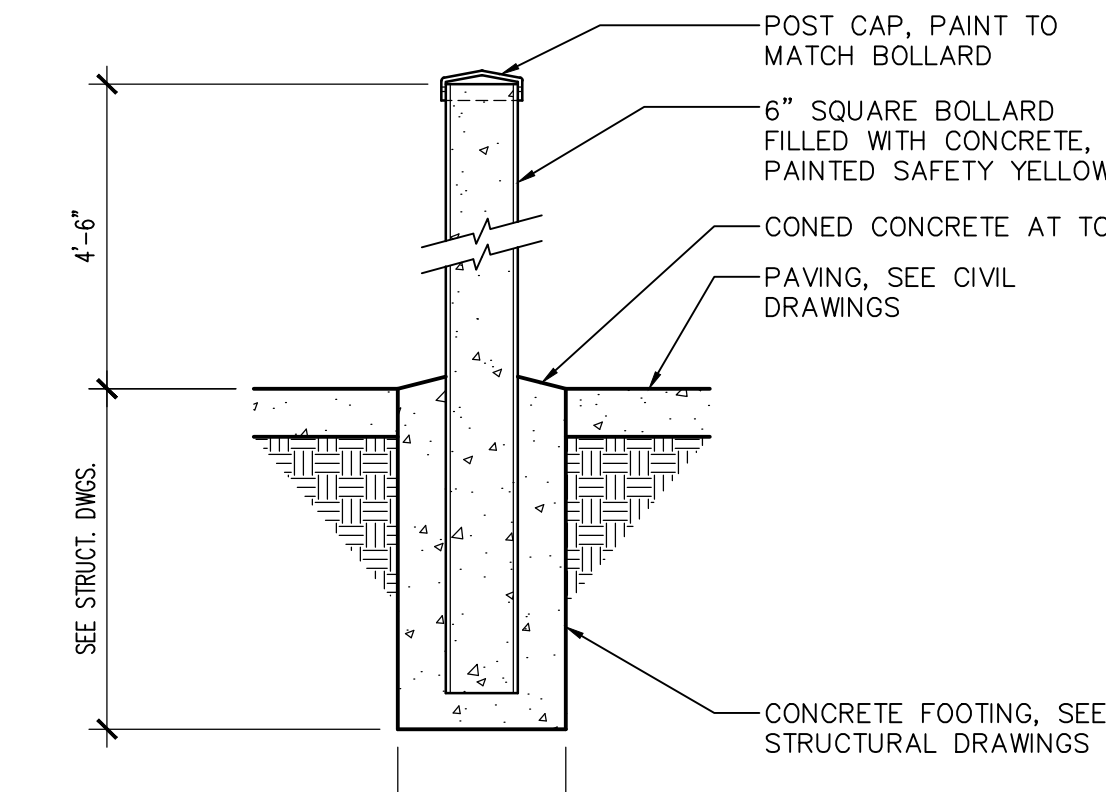
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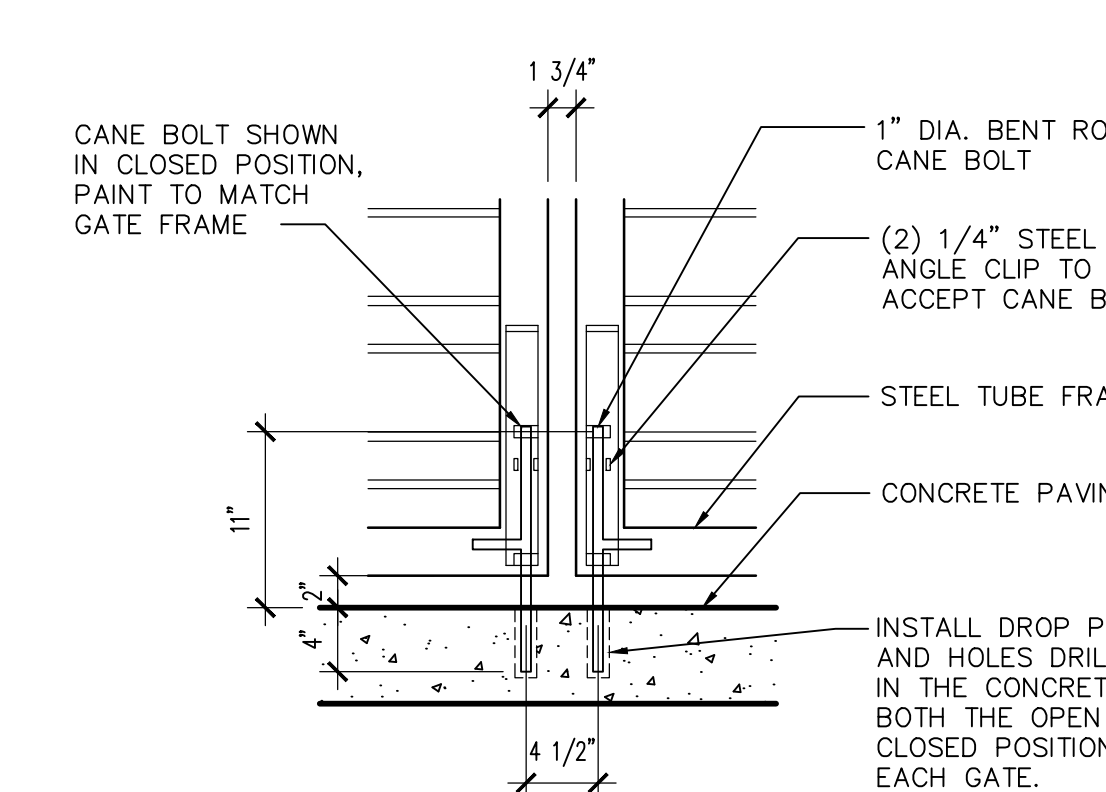
19 LIGHT POLE
SCALE: 1/2" = 1'-0"
SITE-LIGHTPOLE



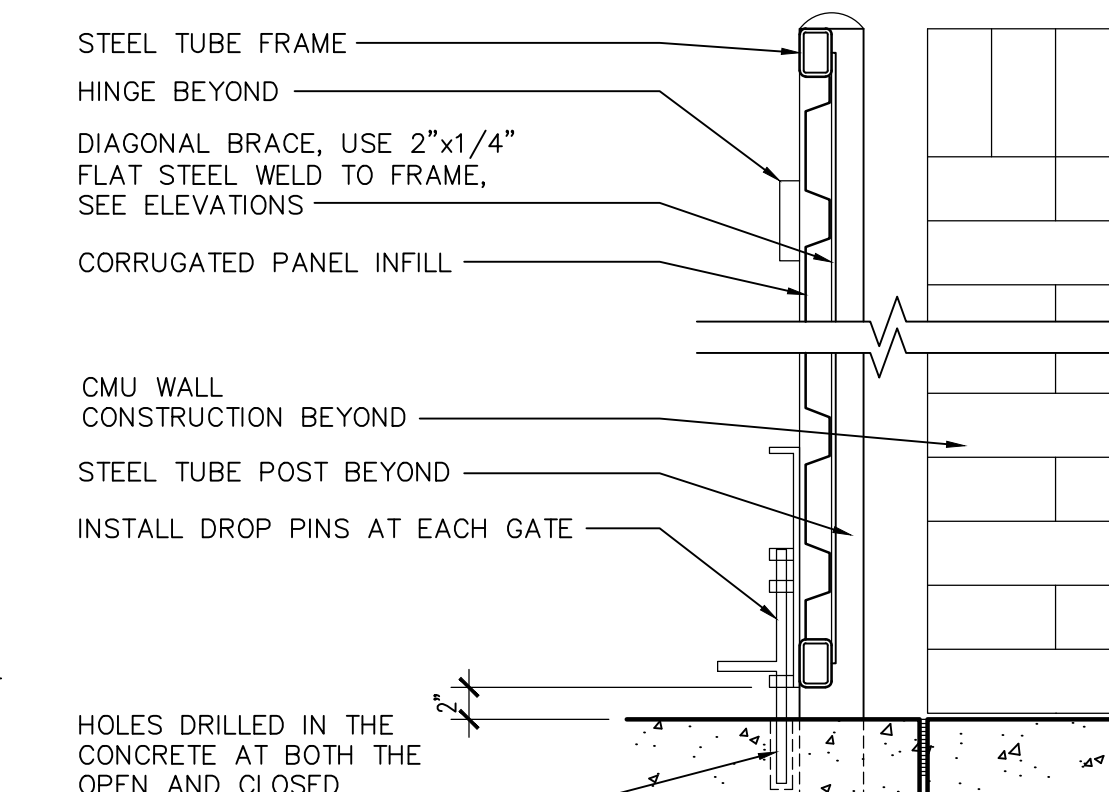
15 CONCRETE JOINT DETAILS
SCALE: 3" = 1'-0"
SITE-CONCRETE JOINTS



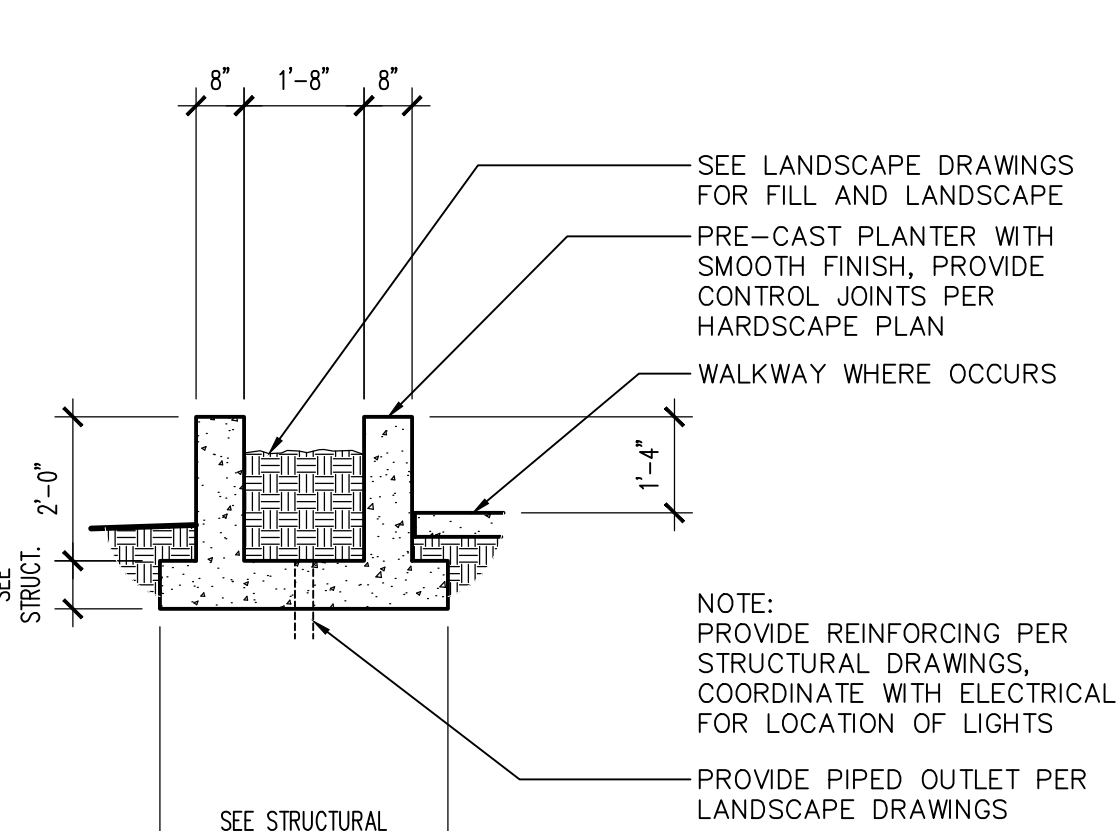
12 SITE BOLLARD
SCALE: 3/4" = 1'-0"
SITE-BOLLARD-DOT



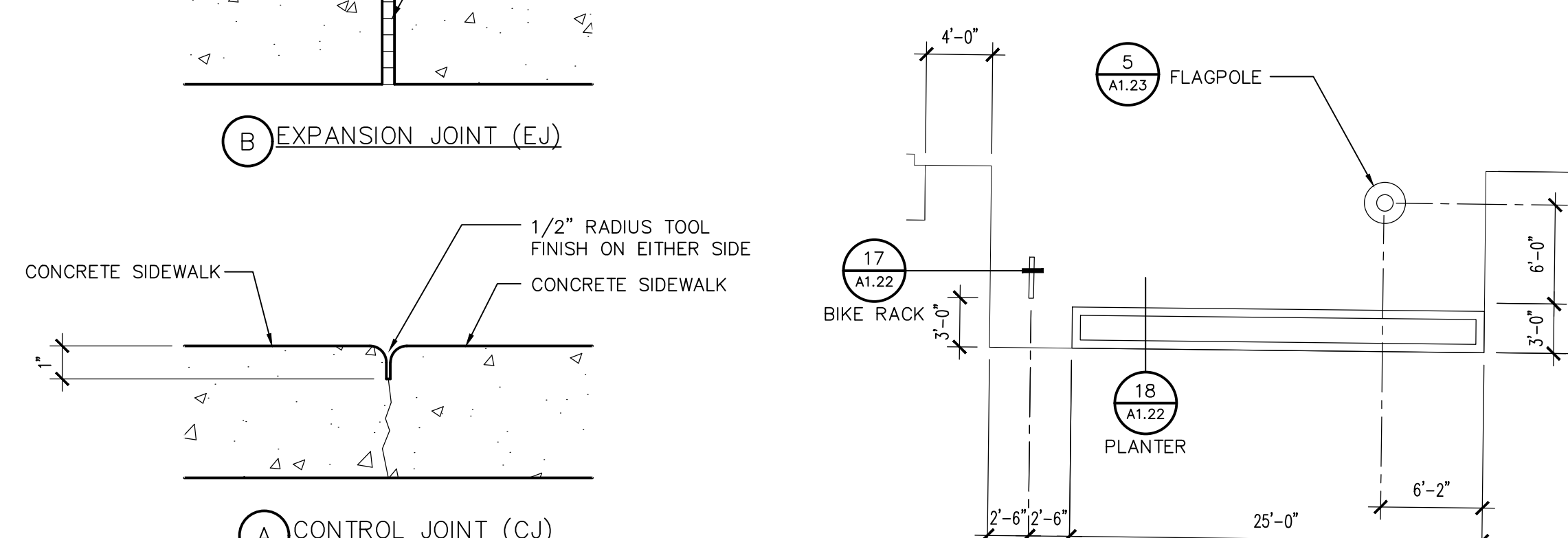
8 CANE BOLT ASSEMBLY
SCALE: 1" = 1'-0"
TRASHGATE-CANE BOLT



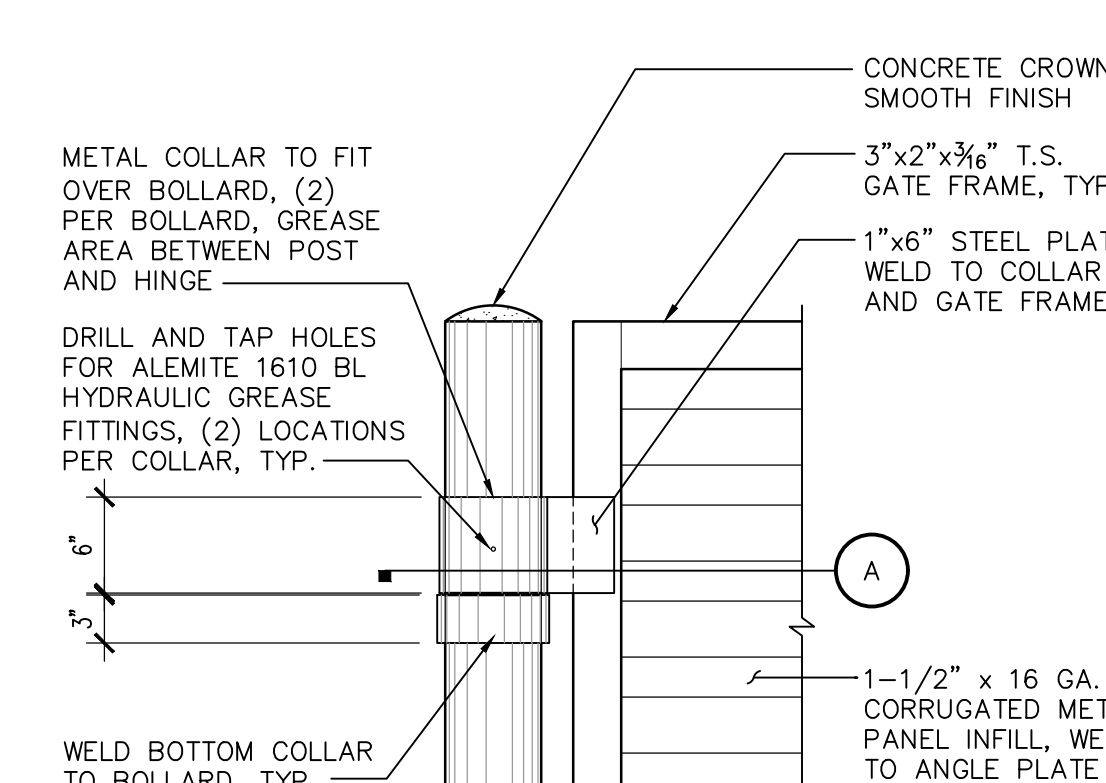
4 TRASH GATE SECTION
SCALE: 1" = 1'-0"
TRASHGATE-SECT



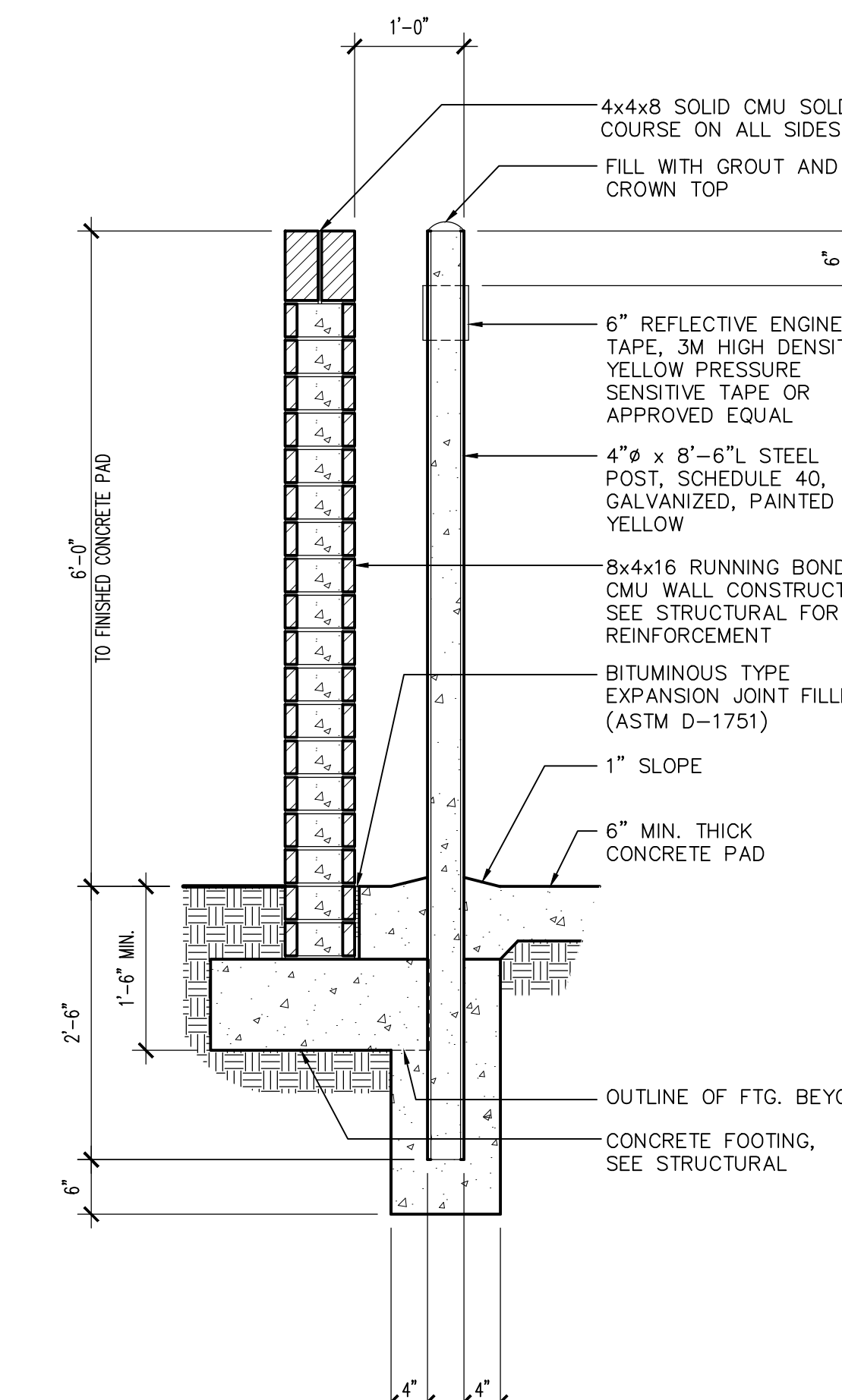
18 PLANTER DETAIL
SCALE: 3/8" = 1'-0"
PLANTER DETAIL



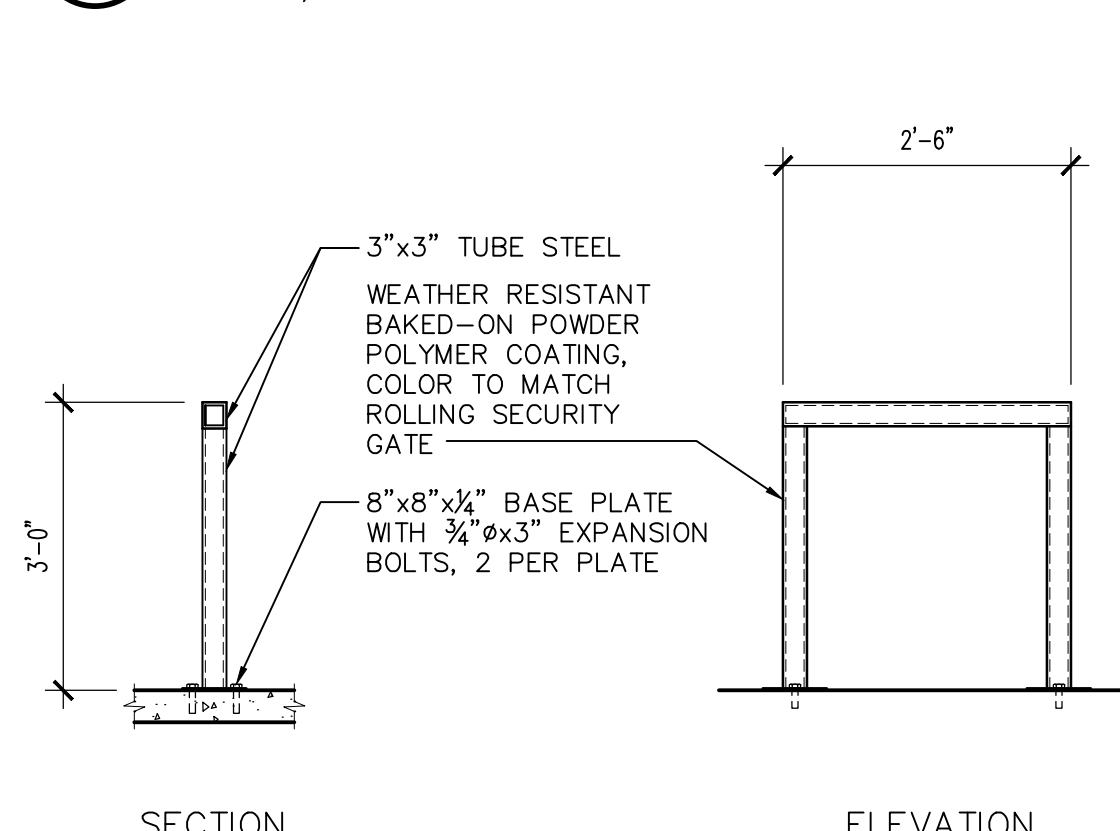
11 PLAN
SCALE: 1/8" = 1'-0"
PLAN-DOT



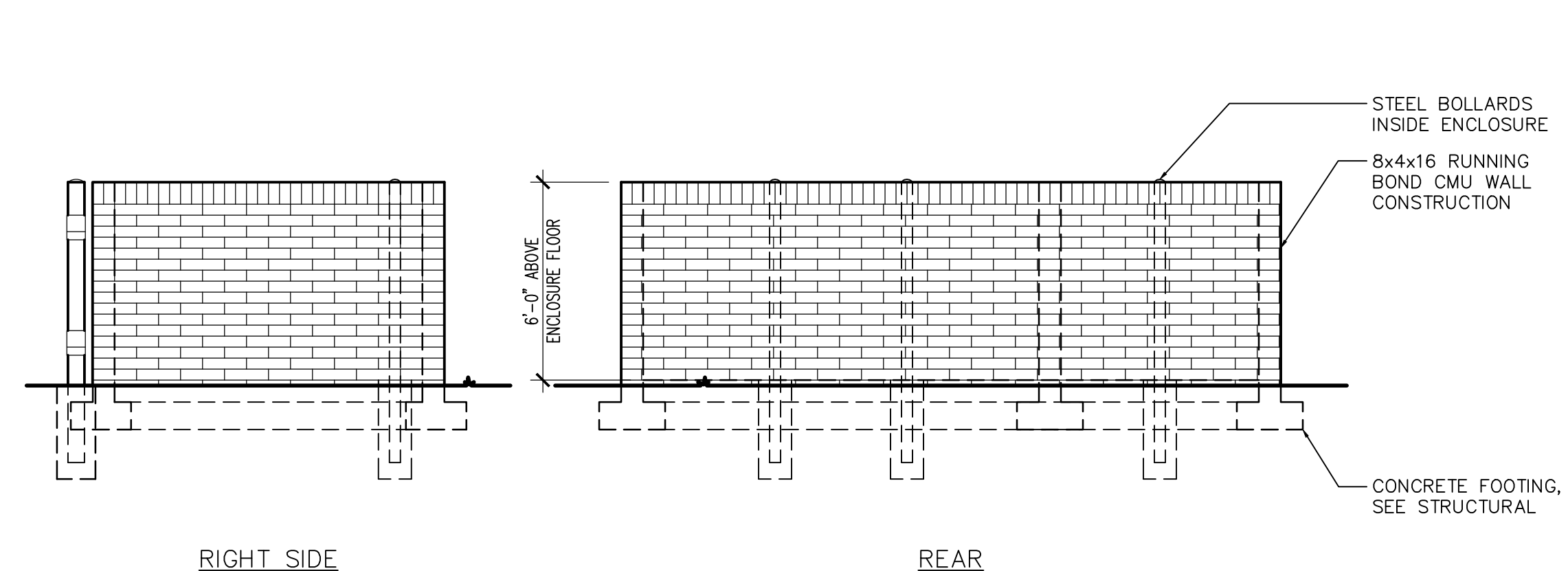
6 TYPICAL HINGE POST
SCALE: 1" = 1'-0"
TRASHGATE-HINGE



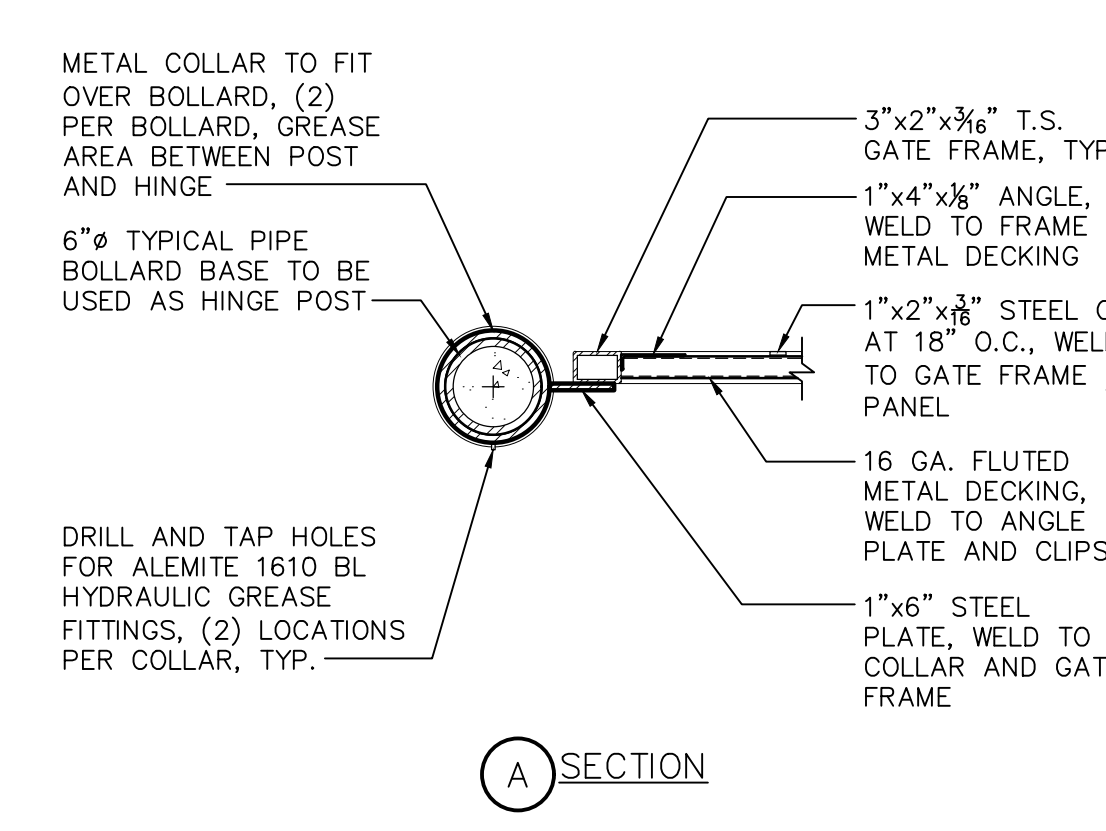
2 TRASH ENCLOSURE WALL
SCALE: 3/4" = 1'-0"
TRASHENCLOSURE-SECT



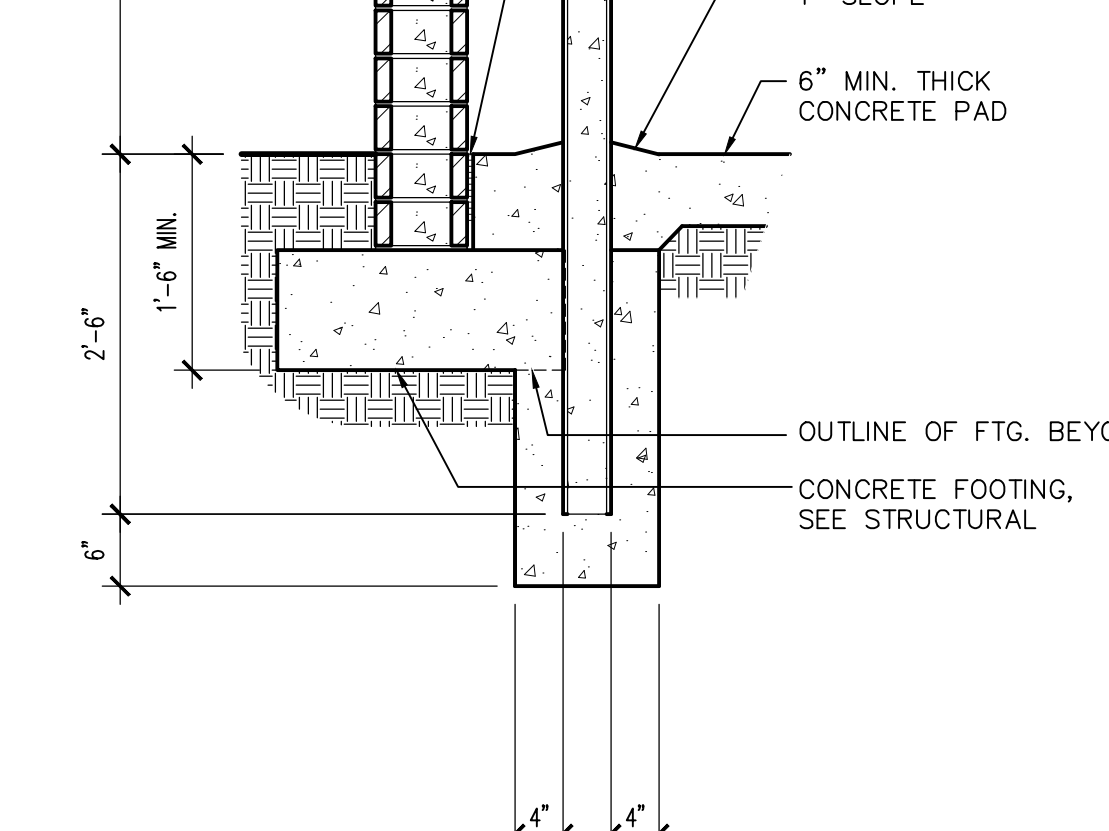
17 BIKE RACK
SCALE: 1/2" = 1'-0"
BIKERACK-DETAIL



13 TRASH ENCLOSURE ELEVATION
SCALE: 1/4" = 1'-0"
TRASHENCLOSURE-ELEV

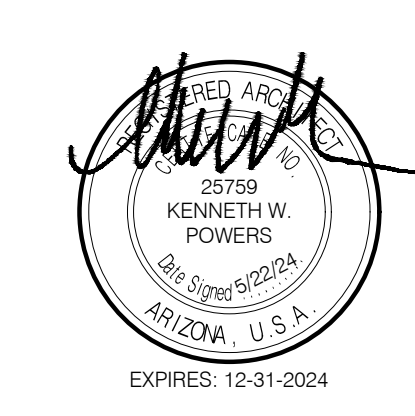


5 TRASH ENCLOSURE PLAN - DOUBLE BIN
SCALE: 1/8" = 1'-0"
TRASHENCLOSURE-PLAN



13 SEE ELEVATIONS FOR ADDITIONAL INFORMATION
SCALE: 3/4" = 1'-0"
TRASHENCLOSURE-PLAN

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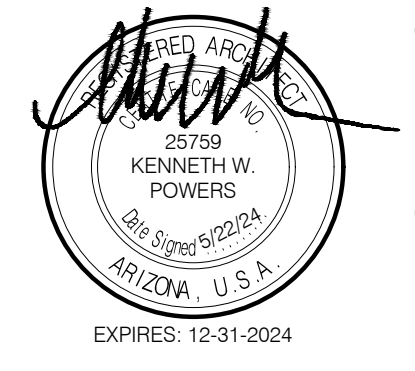
KIVA # **23-1810**
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SITE DETAILS

A1.22

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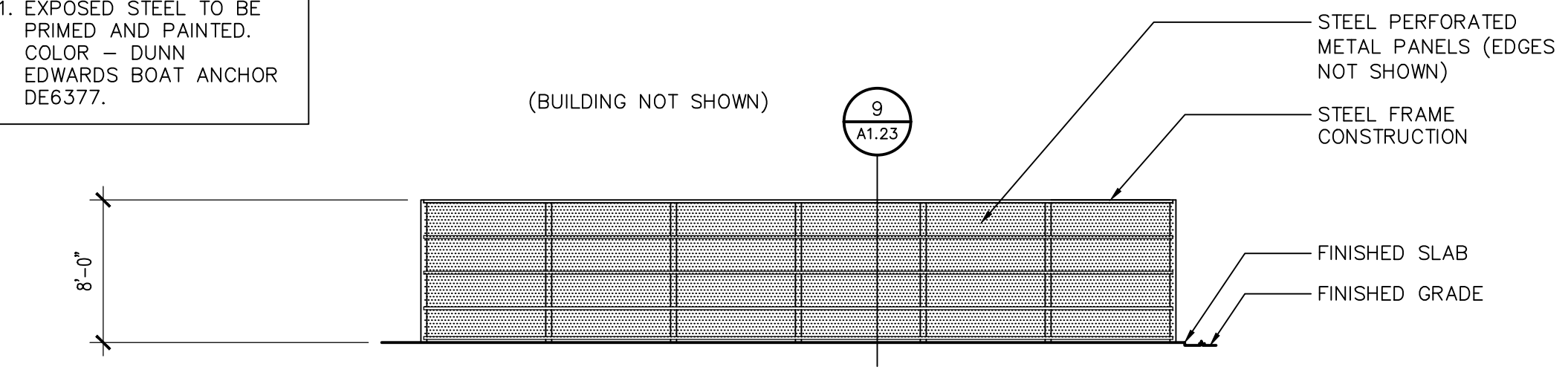
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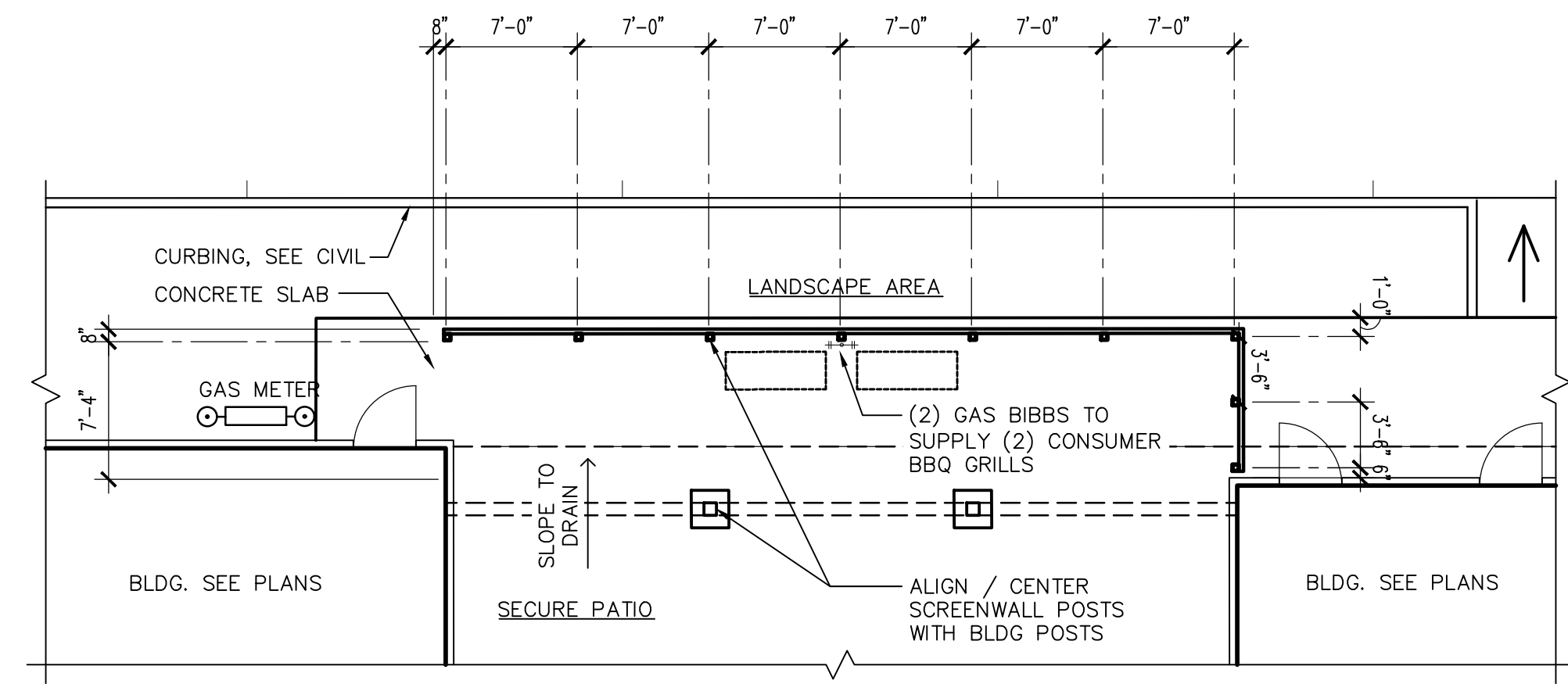
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CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

NOTE:
1. EXPOSED STEEL TO BE PRIMED AND PAINTED. COLOR - DUNN EDWARDS BOAT ANCHOR DE6377.

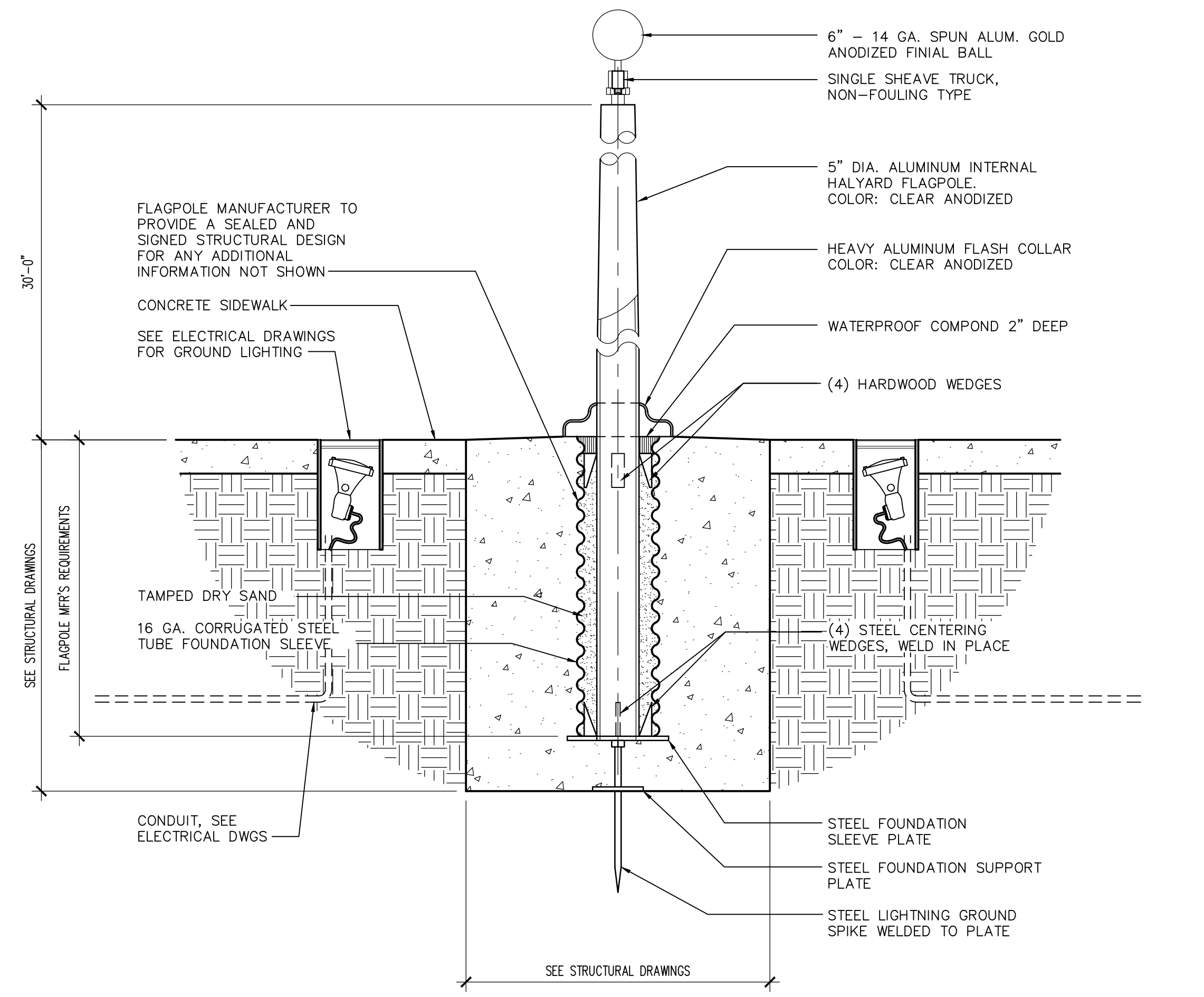


(B) ELEVATION

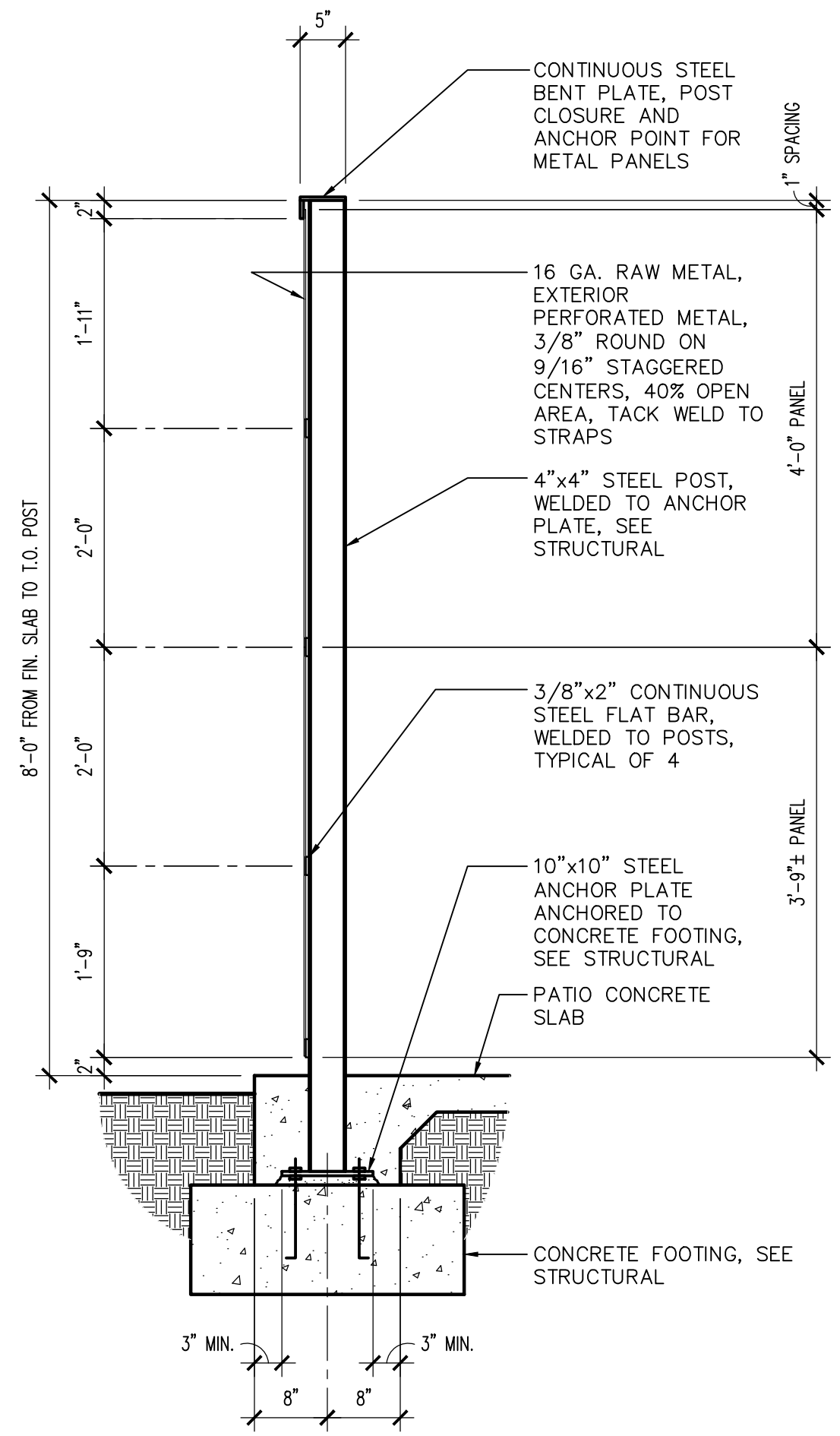


(A) PLAN

7 PATIO SCREENWALL
SCALE: 1/8" = 1'-0"



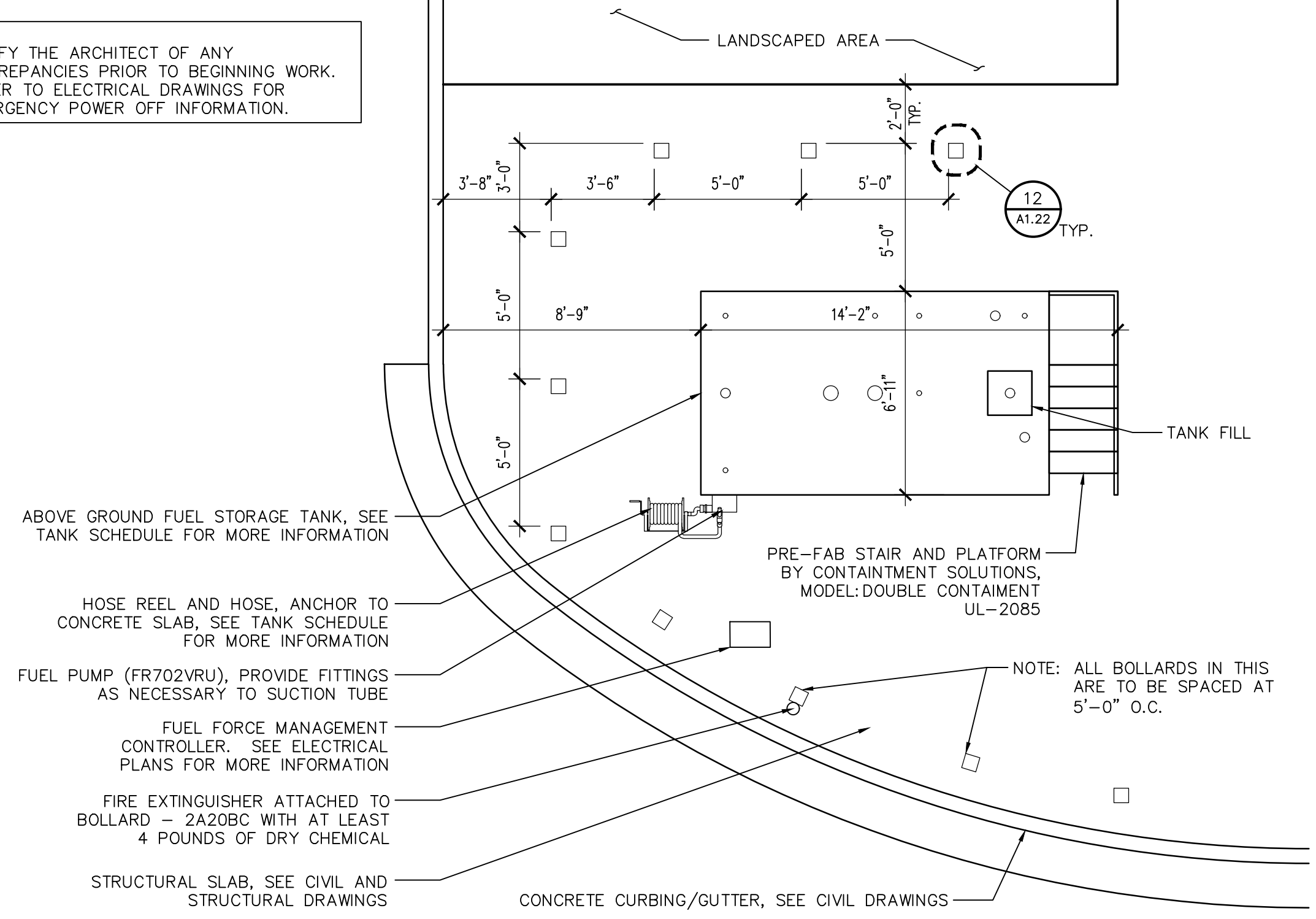
5 FLAGPOLE
SCALE: 1" = 1'-0"



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

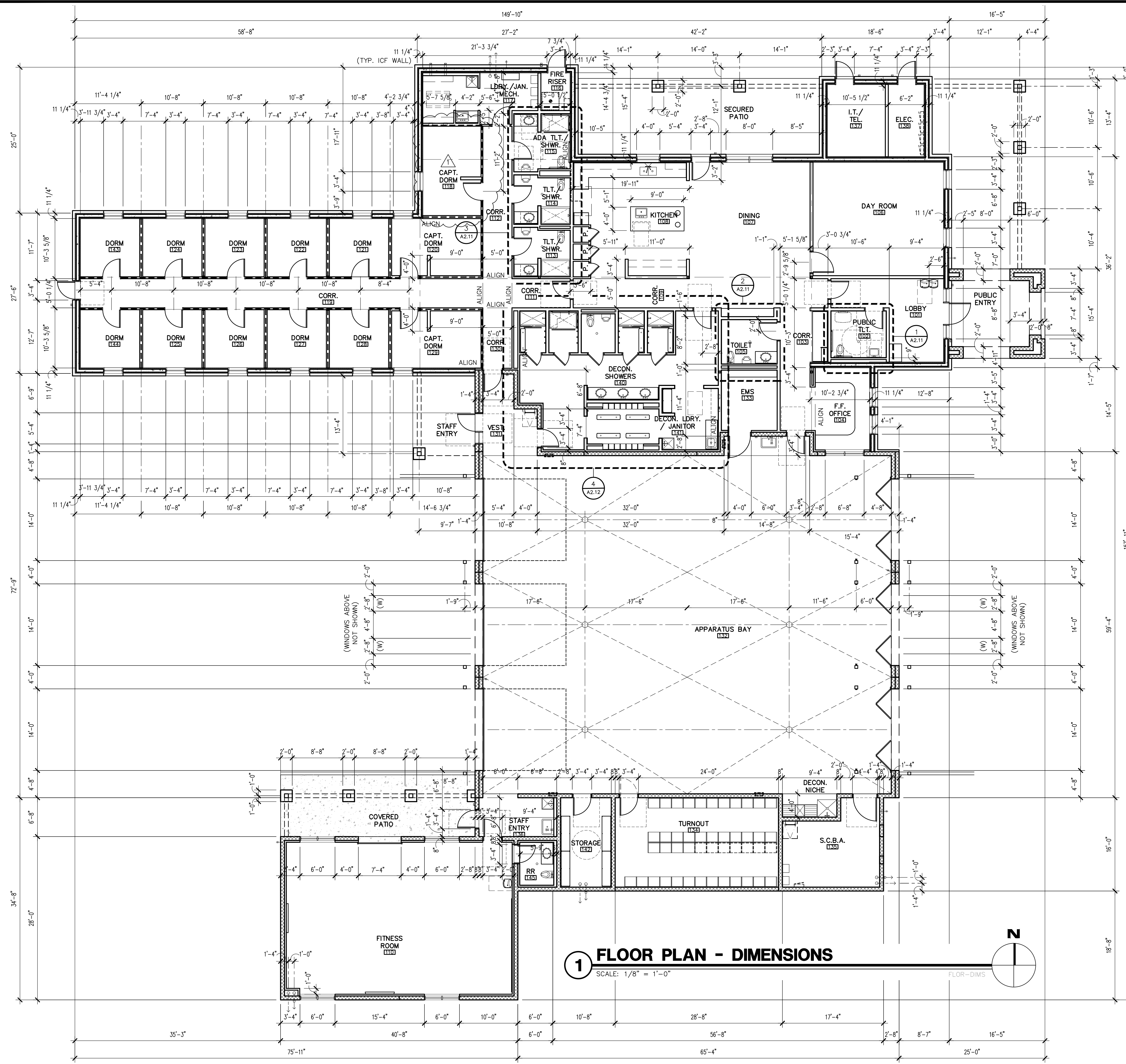
TANK SCHEDULE		
SIZE: 2,000 GAL. (DIESEL FUEL ONLY)	EQUIPMENT:	HOSE AND HOSE REEL: MANUFACTURER: COXREELS MODEL: COXSLPF550 HOSE LENGTH: 50'-0", HOSE SIZE: 3/4" WITH HOSE STOP
MFR: CONTAINMENT SOLUTIONS	1. 2" SPARE	VERIFY ALL ITEMS WITH PER CITY OF PHOENIX FUEL MANAGEMENT.
MODEL: DOUBLE CONTAINMENT UL-2085	2. 4" PHASE 1 VAPOR RECOVERY	NOTE: PROVIDE ALL CAPS, ADAPTORS, AND ASSOCIATED REQUIRED ACCESSORIES INCLUDING DECALS AND NAME PLATES.
FINISH: WHITE, EPOXY PAINTED.	3. 2" MECHANICAL GAUGE	
	4. 4" HIGH LEVEL ALARM	
	5. 1/2" DRAIN FOR SPILLBOX	
	6. 15 GAL SPILLBOX	
PUMP:	7. 4" ELECTRONIC GAUGE	
TANK MOUNTED FILL-RITE PUMP (FR702VRU) WITH NOZZLE BOOT, WHIP HOSE & BREAKAWAY, PROVIDE WITH OPW800 PULSAR	8. 6" EMERGENCY VENT (PRIMARY & SECONDARY)	
	9. 4" FILL	
	10. 2" PUMP SUCTION	
	11. 2" SECONDARY WORKING VENT	
	12. 2" SECONDARY MONITOR PIPE	
	13. 4" FIRE RATED MATERIAL FILL	

NOTE:
1. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
2. REFER TO ELECTRICAL DRAWINGS FOR EMERGENCY POWER OFF INFORMATION.



17 ENLARGED SITE PLAN
SCALE: 1/4" = 1'-0"

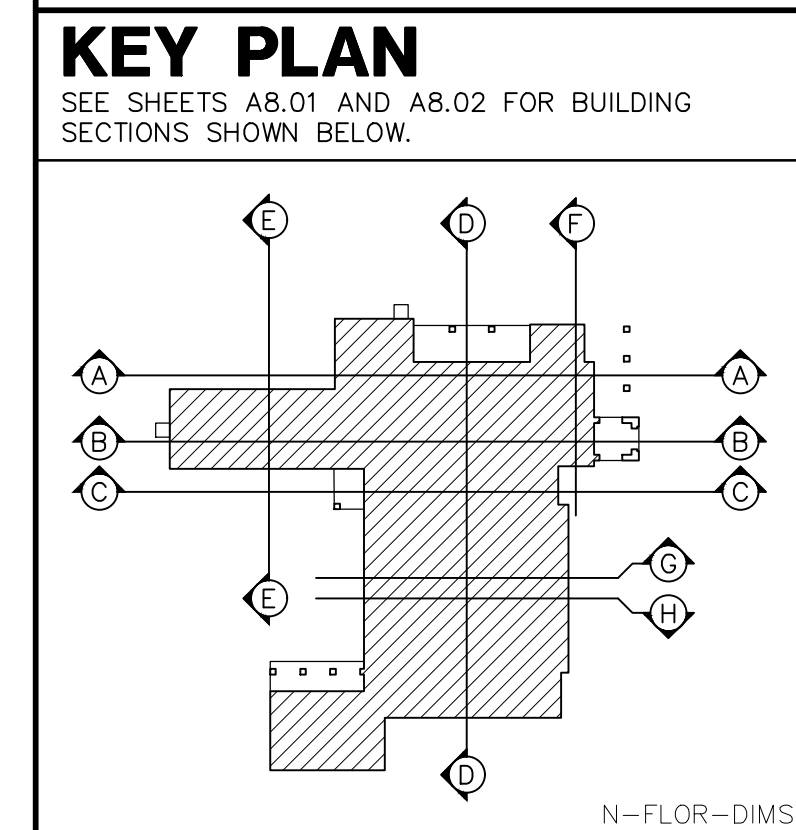
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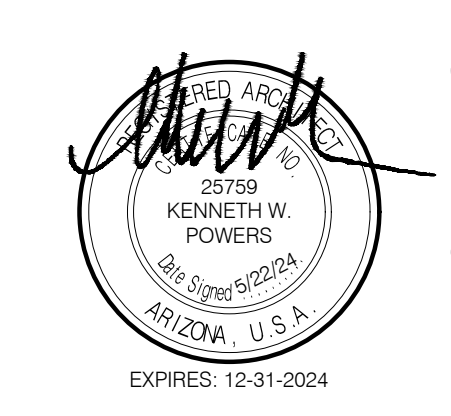
WALL LEGEND

- CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION, SEE WALL TYPES
- INSULATED CONCRETE FORMS (ICF) WALL CONSTRUCTION, SEE WALL TYPES
- STEEL STUD PARTITION CONSTRUCTION, SEE WALL TYPES
- ONE-HALF HOUR RATED FIRE RESISTANCE STEEL STUD PARTITION CONSTRUCTION, IBC SECTION 420.2 AND 708.3, EXCEPTION 2 AND 708.4 (IBC TABLE 721.1(2) ITEM NO. 13-1.1), SEE WALL TYPES

- ### GENERAL NOTES
- DIMENSIONS ARE TO FACE OF STUD, FACE OF MASONRY, UNLESS NOTED OTHERWISE.
 - INFORM THE ARCHITECT OF ANY DISCREPANCIES BEFORE BEGINNING WORK.
 - CONTRACTOR TO PROVIDE SOLID BACKING AT ALL WALL MOUNTED EQUIPMENT TO PROVIDE A POSITIVE ATTACHMENT.
 - WALLS AND PARTITIONS WITHIN 2 FT. OF SERVICE SINKS, URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NON-ABSORBENT SURFACE NOT LESS THAN 4 FT. ABOVE THE FLOOR, AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE. (IBC SECT. 1209.2.2)
 - SHOWER COMPARTMENTS SHALL BE FINISHED WITH A SMOOTH, NON-ABSORBENT SURFACE NOT LESS THAN 72 INCHES ABOVE THE DRAIN INLET (IBC SECT. 1209.2.3)
 - WATER-RESISTANT GYPSUM BACKING BOARD SHALL NOT BE USED IN AREAS SUBJECT TO CONTINUOUS HIGH HUMIDITY, SUCH AS THE LOCKER ROOM AND THE SHOWERS. (IBC SECTION 2509.3)
 - GYPSUM BOARD AT WALLS THAT MEET WITH GYPSUM BOARD CEILING/SOFFITS PER PLANS ARE NOT REQUIRED TO EXTEND ABOVE ADJACENT CEILING.
 - REFER TO ROOM FINISH SCHEDULE FOR ADDITIONAL WALL/CEILING FINISHES.
 - SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATIONS AND OTHER REQUIRED STRUCTURAL COMPONENTS THAT MAY NOT BE ADDRESSED IN THE ARCHITECTURAL DRAWINGS.
 - SEE STRUCTURAL DRAWINGS FOR STEEL STUD SPACING AT WALL AND PARTITION FRAMING.
 - SEE STRUCTURAL DRAWINGS FOR STEEL STUD JOIST SPACING AT CEILING FRAMING.
 - ALL INTERIOR WALLS SHALL RECEIVE SOUND ATTENUATION INSULATION, SEE WALL TYPES, SHEET A2.21.



Revisions	Date
CITY COMMENTS	5/22/24



Designed By:
ET / GA

Drawn By:
TA / RS

Checked By:
GA / TA

Date:
12/14/2023

Phase:
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Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**

Index No:
FD57100020-3

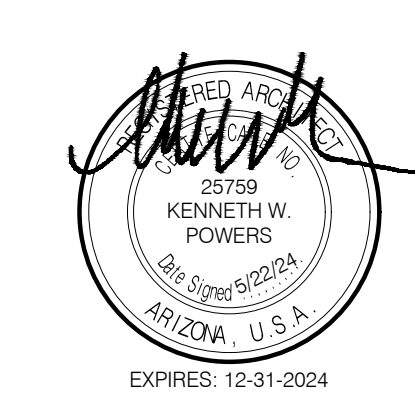
KIVA # **23-1810**
SDEV # **2300473**

**FLOOR PLAN - DIMENSION
A2.01**

Note:
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CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

Revisions	Date
△ CITY COMMENTS	5/22/24



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CITY OF PHOENIX

KIVA # **23-1810**
SDEV # **2300473**

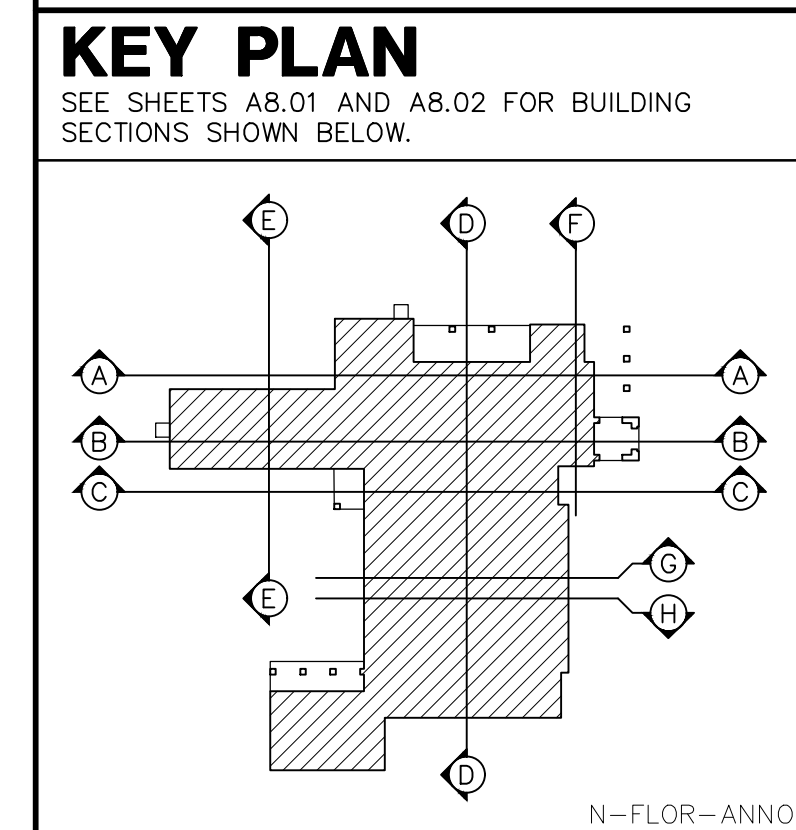
FLOOR PLAN - ANNOTATION
A2.02

FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

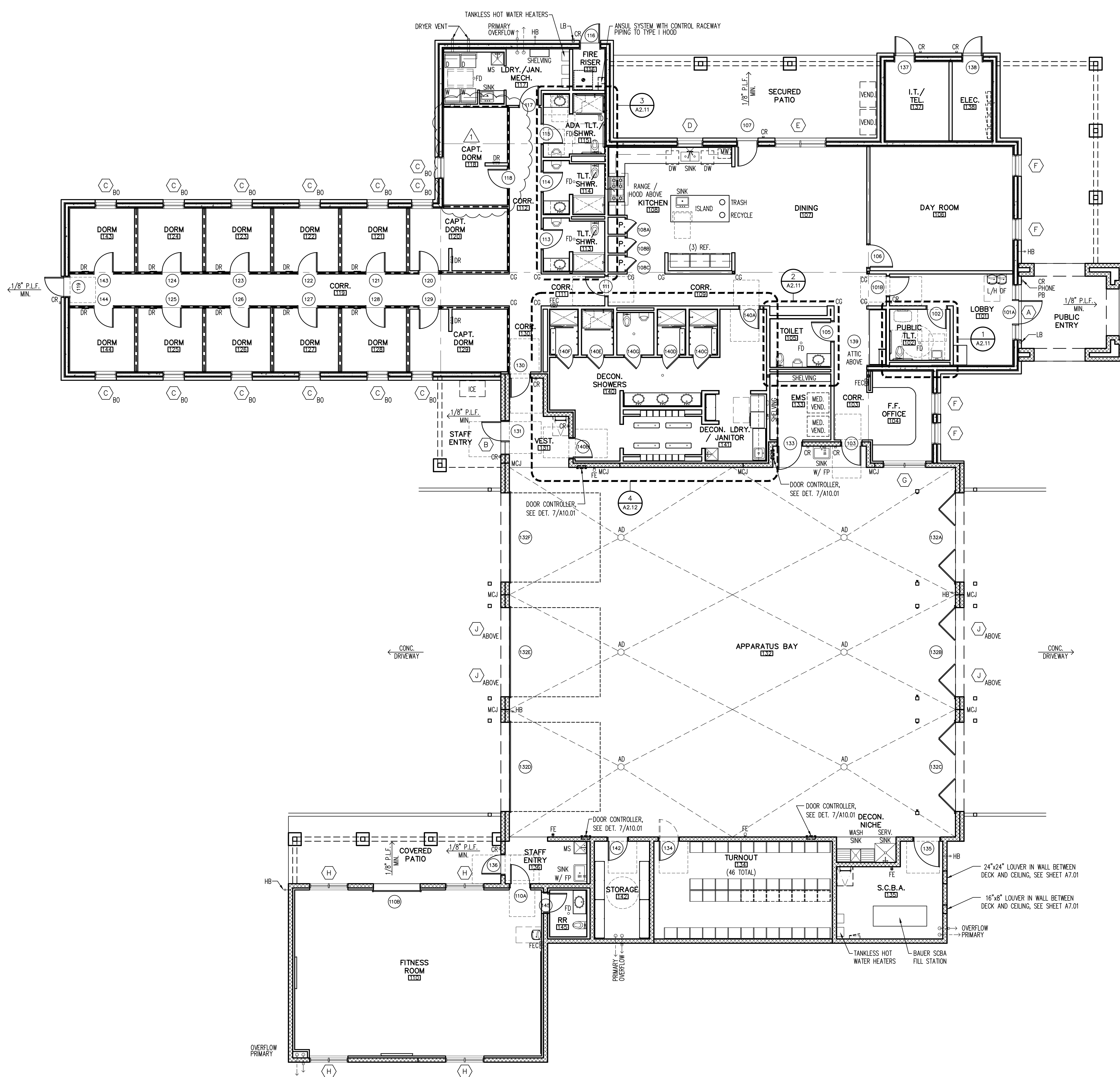
- ### LEGEND
- 100 DOOR TYPES, SEE SHEET A3.01
 - WINDOW TYPES, SEE SHEET A3.11
 - "BO" DENOTES OUTSIDE MOUNT ROLLING BLACK-OUT SHADE WITH GUIDE TRACK TO BE INSTALLED, SEE DET. 6/A3.11
 - KP DENOTES KEY PAD CODE DOOR HARDWARE, SEE DOOR HARDWARE SETS, DETAIL SHEET A10.01, SPECIFICATIONS, AND ELECTRICAL DRAWINGS
 - WH WALL HYDRANT ENCLOSED IN A FLUSH MOUNTED WALL BOX, SEE PLUMBING DRAWINGS
 - J 1.5" x 1.5" x 48"H. BRUSHED S.S. 16 GA. CORNER GUARD, ADHESIVE APPLIED, MOUNTED ABOVE SCHEDULED BASE
 - CG FIRE EXTINGUISHER CABINET COORDINATE TYPE AND LOCATION FE W/ OWNER, SEE DETAIL 12/A10.01
 - FEC DORM REMOTE, SEE DETAIL 16/A10.01
 - LOCK BOX, SEE DETAIL 2/A10.01

- ### WALL LEGEND
- CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION, SEE WALL TYPES
 - INSULATED CONCRETE FORMS (ICF) WALL CONSTRUCTION, SEE WALL TYPES
 - STEEL STUD PARTITION CONSTRUCTION, SEE WALL TYPES
 - ONE-HALF HOUR RATED FIRE RESISTANCE STEEL STUD PARTITION CONSTRUCTION, IBC SECTION 420.2 AND 708.3, EXCEPTION 2 AND 708.4, (IBC TABLE 721.1(2) ITEM NO. 13-1.1), SEE WALL TYPES

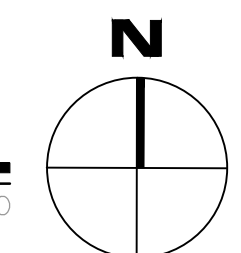
- ### GENERAL NOTES
1. INFORM THE ARCHITECT OF ANY DISCREPANCIES BEFORE BEGINNING WORK.
 2. CONTRACTOR TO PROVIDE SOLID BACKING AT ALL WALL MOUNTED EQUIPMENT TO PROVIDE A POSITIVE ATTACHMENT.
 3. WALLS AND PARTITIONS WITHIN 2 FT. OF SERVICE SINKS, URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NON-ABSORBENT SURFACE NOT LESS THAN 4 FT. ABOVE THE FLOOR, AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE. (IBC SECT. 1209.2.2)
 4. SHOWER COMPARTMENTS SHALL BE FINISHED WITH A SMOOTH, NON-ABSORBENT SURFACE NOT LESS THAN 72 INCHES ABOVE THE DRAIN INLET. (IBC SECTION 1209.2.3)
 5. WATER-RESISTANT GYPSUM BACKING BOARD SHALL NOT BE USED IN AREAS WHERE THERE WILL BE DIRECT EXPOSURE TO WATER OR IN AREAS SUBJECT TO CONTINUOUS HIGH HUMIDITY, SUCH AS THE LOCKER ROOM AND THE SHOWERS. (IBC SECTION 2509.3)
 6. ALL WALLS IN WET AREAS CONFORMING TO IBC SECTION 1209.2.2 AND 1209.2.3 SHALL CONFORM TO THE REQUIREMENTS OF IBC SECTION 2509.
 7. DRAINS AND GRATINGS (TD/FD/AD): OPENINGS IN FLOOR SURFACES SHALL BE OF A SIZE THAT DOES NOT PERMIT A PASSAGE OF A 1/2" DIAMETER SPHERE. GRATINGS WITH ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL. (ANSI 302.3). SEE PLUMBING DRAWINGS FOR FIXTURE SPECIFICATIONS.

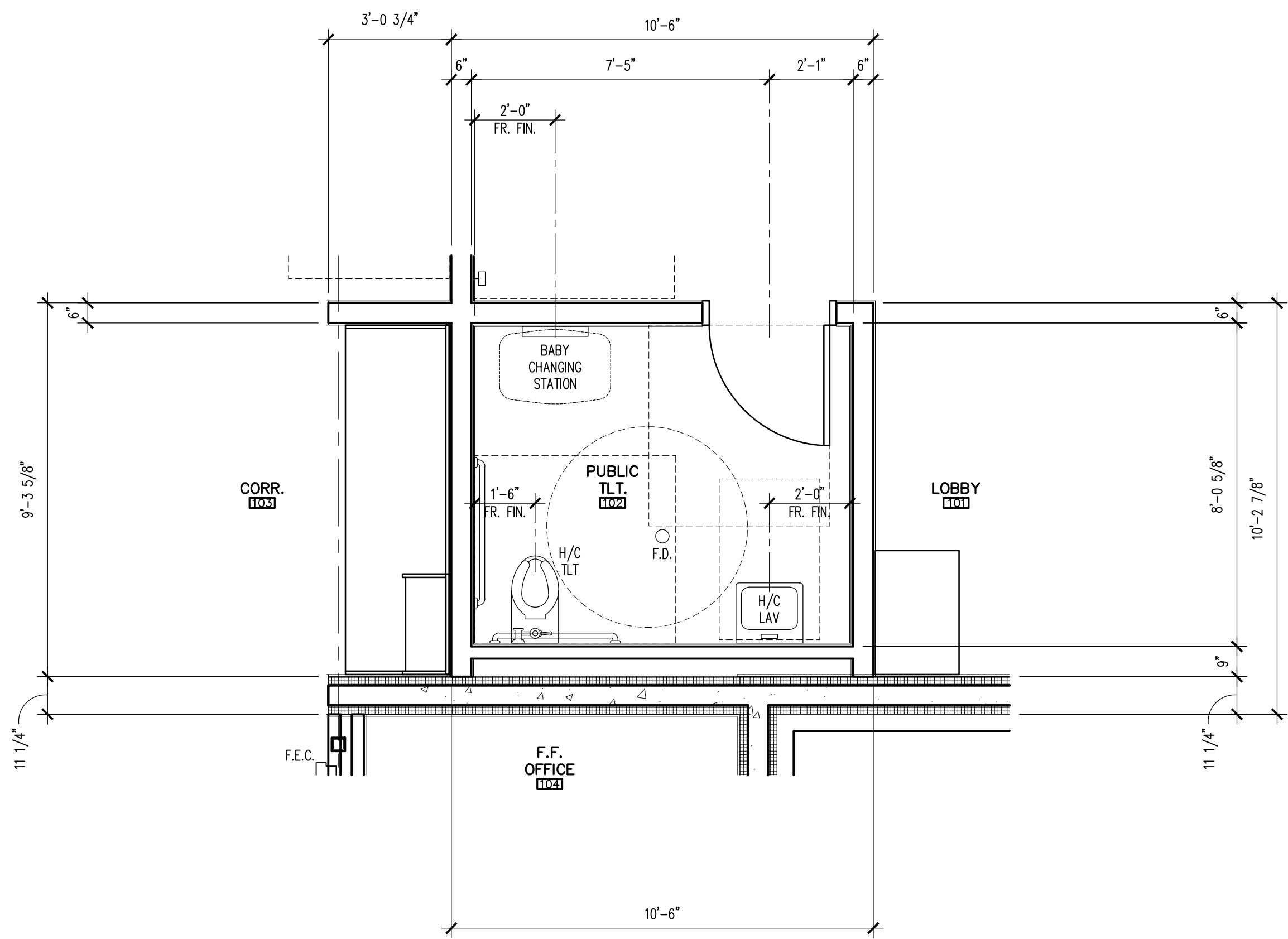


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1 FLOOR PLAN - ANNOTATION
SCALE: 1/8" = 1'-0"

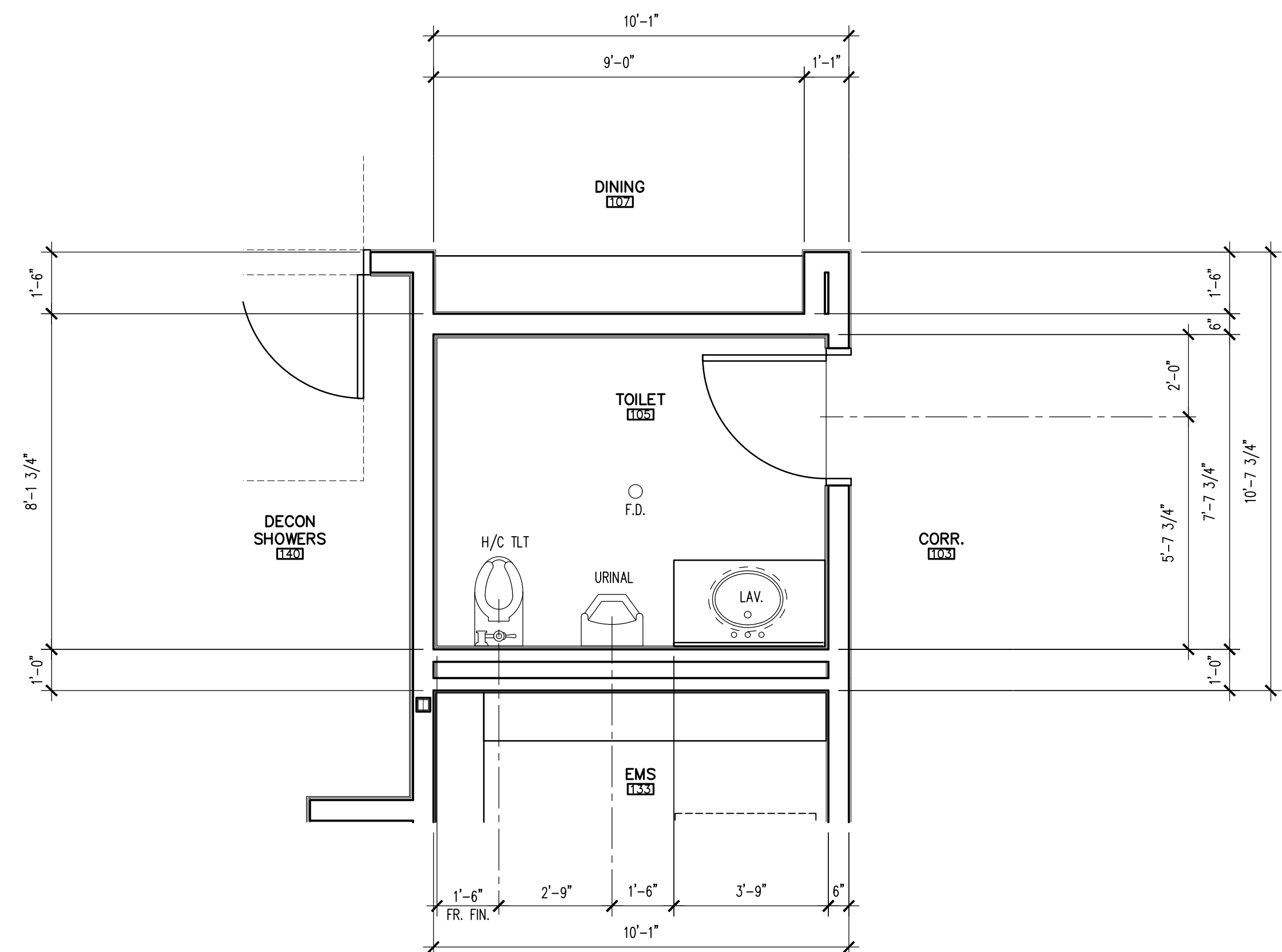
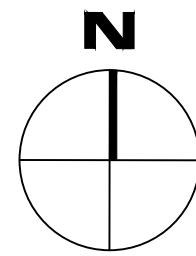




1 ENLARGED FLOOR PLAN

SCALE: 3/8" = 1'-0"

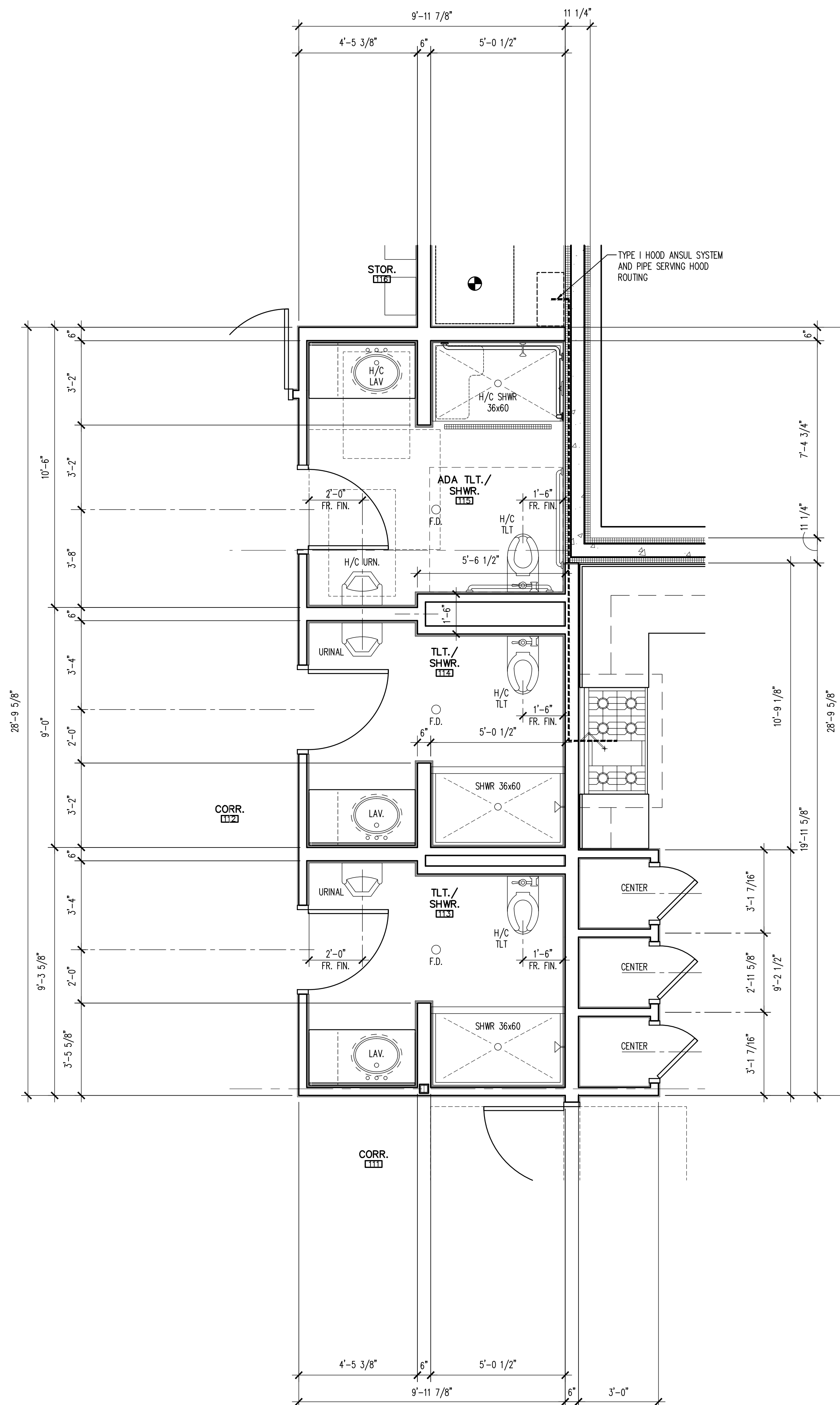
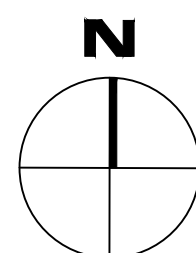
FLOR-ENLRG



2 ENLARGED FLOOR PLAN

SCALE: 3/8" = 1'-0"

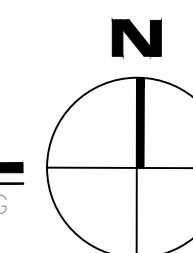
FLOR-ENLRG



3 ENLARGED FLOOR PLAN

SCALE: 3/8" = 1'-0"

FLOR-ENLRG



LEGEND

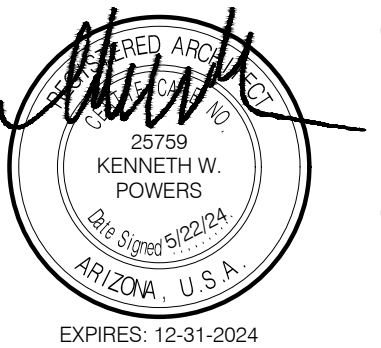
- INSULATED CONCRETE FORM WALL CONSTRUCTION
- CMU WALL CONSTRUCTION
- STEEL STUD FRAMED WALL CONSTRUCTION

GENERAL NOTES

1. DIMENSIONS ARE TO FACE OF STUD, FACE OF MASONRY, UNLESS NOTED OTHERWISE.
2. INFORM THE ARCHITECT OF ANY DISCREPANCIES BEFORE BEGINNING WORK.
3. CONTRACTOR TO PROVIDE SOLID BACKING AT ALL WALL MOUNTED EQUIPMENT TO PROVIDE A POSITIVE ATTACHMENT.
4. WALLS WITHIN 2 FT. OF URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NON-ABSORBENT SURFACE TO 4 FT. ABOVE THE FLOOR, AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE. (PER 2018 IBC SECT. 1209.2.2)
5. SEE STRUCTURAL DRAWINGS FOR STUD SPACING AT FRAMED WALL CONSTRUCTION.
6. SHALL NOT BE USED IN AREAS WHERE THERE WILL BE DIRECT EXPOSURE TO WATER OR IN AREAS SUBJECT TO CONTINUOUS HIGH HUMIDITY, SUCH AS THE LOCKER ROOM AND THE SHOWERS (PER 2018 IBC SECTION 2509.3).
7. ALL WALLS IN WET AREAS CONFORMING TO 2018 IBC SECTION 1209.2.2 AND 1209.2.3 SHALL CONFORM TO THE REQUIREMENTS PER 2018 IBC SECTION 2509.
8. USE 16 GA. STEEL STUDS IN LIEU OF SCHEDULED STEEL STUDS PER STRUCTURAL AT WALLS WITH ANY WALL HUNG TYPE ATTACHMENTS AND/OR SUPPORTING ATTACHMENTS SUCH AS SINKS, GRAB BARS, WALL CABINETS AND ANY OTHER MISCELLANEOUS EQUIPMENT.

SEE ROOM FINISH SCHEDULE (SHEET A3.31) AND INTERIOR ELEVATIONS (SHEETS A4.01-A4.08) FOR ADDITIONAL INFORMATION.

Revisions	Date
CITY COMMENTS	5/22/24



Designed By:
ET / GA

Drawn By:
TA / RS

Checked By:
GA / TA

Date:
12/14/2023

Phase:
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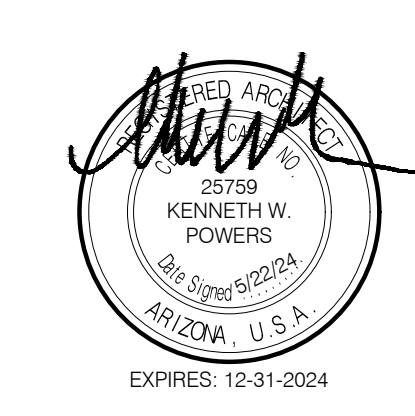
KIVA # 23-1810
SDEV # 2300473

FLOOR PLAN - ENLARGED
A2.11

Note:
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CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

Revisions	Date
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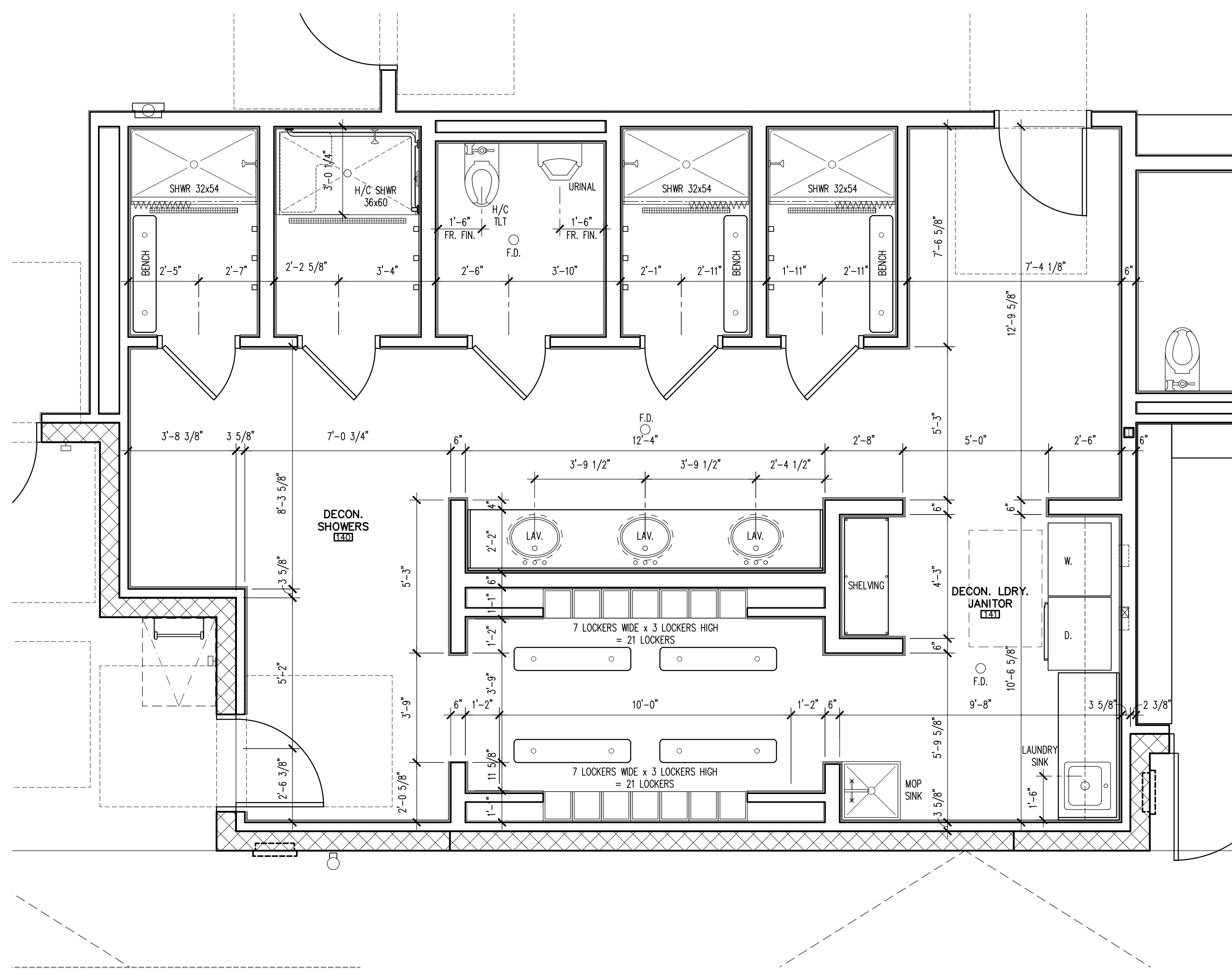
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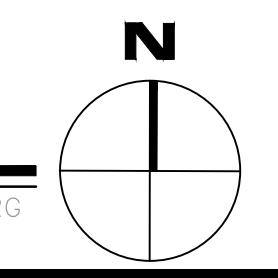
KIVA # **23-1810**
SDEV # **2300473**

**FLOOR PLAN - ENLARGED
A2.12**

- ### LEGEND
- INSULATED CONCRETE FORM WALL CONSTRUCTION
 - CMU WALL CONSTRUCTION
 - STEEL STUD FRAMED WALL CONSTRUCTION
- ### GENERAL NOTES
- DIMENSIONS ARE TO FACE OF STUD, FACE OF MASONRY, UNLESS NOTED OTHERWISE.
 - INFORM THE ARCHITECT OF ANY DISCREPANCIES BEFORE BEGINNING WORK.
 - CONTRACTOR TO PROVIDE SOLID BACKING AT ALL WALL MOUNTED EQUIPMENT TO PROVIDE A POSITIVE ATTACHMENT.
 - WALLS WITHIN 2 FT. OF URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NON-ABSORBENT SURFACE TO 4 FT. ABOVE THE FLOOR, AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE. (PER 2018 IBC SECT. 1209.2.2)
 - SEE STRUCTURAL DRAWINGS FOR STUD SPACING AT FRAMED WALL CONSTRUCTION.
 - WATER-RESISTANT GYPSUM BACKING BOARD SHALL NOT BE USED IN AREAS WHERE THERE WILL BE DIRECT EXPOSURE TO WATER OR IN AREAS SUBJECT TO CONTINUOUS HIGH HUMIDITY, SUCH AS THE LOCKER ROOM AND THE SHOWERS (PER 2018 IBC SECTION 2509.3).
 - ALL WALLS IN WET AREAS CONFORMING TO 2018 IBC SECTION 1209.2.2 AND 1209.2.3 SHALL CONFORM TO THE REQUIREMENTS PER 2018 IBC SECTION 2509.
 - USE 16 GA. STEEL STUDS IN LIEU OF SCHEDULED STEEL STUDS PER STRUCTURAL AT WALLS WITH ANY WALL HUNG TYPE ATTACHMENTS AND/OR SUPPORTING ATTACHMENTS SUCH AS SINKS, GRAB BARS, WALL CABINETS AND ANY OTHER MISCELLANEOUS EQUIPMENT.
- SEE ROOM FINISH SCHEDULE (SHEET A3.31) AND INTERIOR ELEVATIONS (SHEETS A4.01-A4.08) FOR ADDITIONAL INFORMATION.



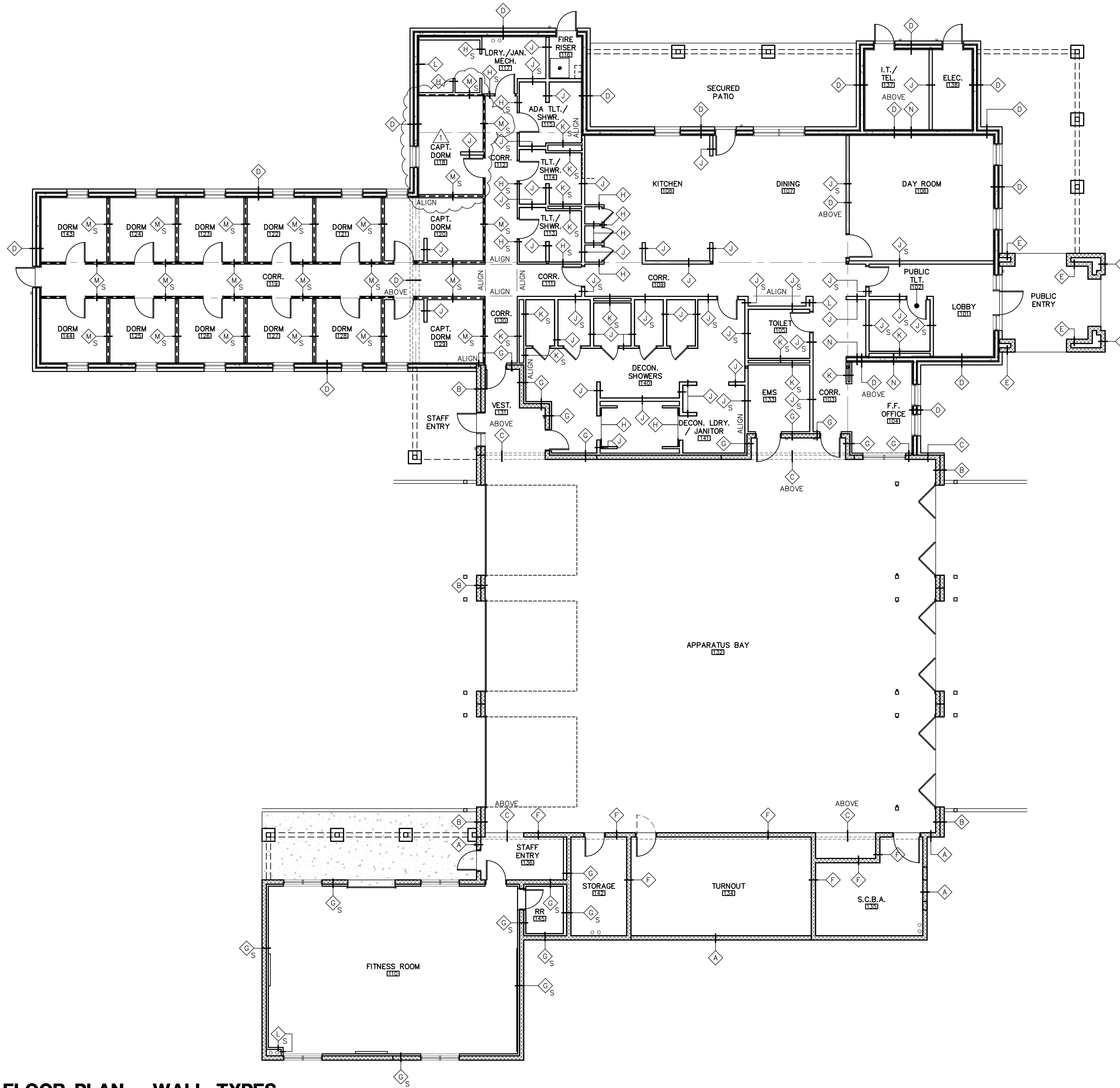
4 ENLARGED FLOOR PLAN
SCALE: 3/8" = 1'-0"



FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

OFFICE OF THE CITY ENGINEER

CITY OF PHOENIX



WALL LEGEND

	CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION, SEE WALL TYPES.
	INSULATED CONCRETE FORMS (ICF) WALL CONSTRUCTION, SEE WALL TYPES.
	STEEL STUD PARTITION CONSTRUCTION, SEE WALL TYPES.
	ONE-HALF HOUR RATED FIRE RESISTANCE STEEL STUD PARTITION CONSTRUCTION, IBC SECTION 420.2 AND 708.3, EXCEPTION 1 AND 708.4 (IBC TABLE 721.1(2) ITEM NO. 13-1.1), SEE WALL TYPES.

WALL TYPES

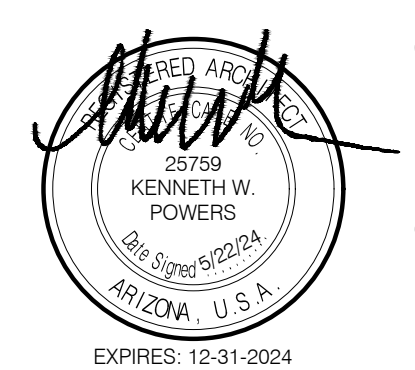
DESCRIPTION
A EXTERIOR: 8x4x16 CONCRETE MASONRY UNIT (CMU) - EXPOSED EXTERIOR AND INTERIOR SIDE OF WALL, SEE EXTERIOR ELEVATIONS FOR CMU TYPE AND COLOR.
B EXTERIOR: DOUBLE WYTHE CONCRETE MASONRY UNIT (CMU) - EXTERIOR WYTHE USE 8x4x16 CMU AND INTERIOR WYTHE USE 8x8x16 CMU. EXPOSED CMU AT EXTERIOR AND INTERIOR SIDE OF WALL, SEE EXTERIOR ELEVATIONS FOR CMU TYPE AND COLOR AND FINISH SCHEDULE FOR INTERIOR CMU TYPE AND COLOR.
C EXTERIOR: 8x8x16 CONCRETE MASONRY UNIT (CMU) - WITH 8x4x16 CMU VENEER OVER EXPOSED CMU AT EXTERIOR AND INTERIOR SIDE OF WALL, SEE EXTERIOR ELEVATIONS FOR CMU VENEER TYPE AND COLOR AND FINISH SCHEDULE FOR INTERIOR CMU TYPE AND COLOR.
D EXTERIOR: 11 1/4" INSULATED CONCRETE FORMS (ICF) WITH 4x4x16 CONCRETE MASONRY UNIT (CMU) VENEER OVER 1" MIN. AIR SPACE. CMU VENEER EXPOSED AT EXTERIOR SIDE OF WALL, INTERIOR ICF TO RECEIVE 5/8" GYPSUM BOARD FULL HEIGHT. SEE EXTERIOR ELEVATIONS FOR CMU TYPE AND COLOR AND FINISH SCHEDULE FOR INTERIOR FINISH AND COLOR.
E EXTERIOR CAVITY: 8x4x16 CONCRETE MASONRY UNIT (CMU) - EXPOSED EXTERIOR SIDE OF WALL ONLY, SEE EXTERIOR ELEVATIONS FOR CMU TYPE AND COLOR.
F INTERIOR: 8x8x16 CONCRETE MASONRY UNIT (CMU) - EXPOSED CMU EACH SIDE OF WALL, SEE FINISH SCHEDULE FOR CMU TYPE AND COLOR.
G 8x8x16 CONCRETE MASONRY UNIT (CMU) WITH 3 5/8" OR 6" METAL STUD FURRING AND 5/8" GYPSUM BOARD (GB) FINISH ONE SIDE ONLY (ALIGN WITH ADJACENT WALL WHERE NOTED IN PLANS) - EXPOSED CMU ONE SIDE OF WALL, SEE FINISH SCHEDULE FOR CMU TYPE AND COLOR AND GYPSUM BOARD FINISH AND COLOR.
H INTERIOR NON-BEARING PARTITION: 3 5/8" STEEL STUDS AT 24" O.C. (MAX.) WITH HEAD DEFLECTION TRACK FASTENED TO UNDERSIDE OF ROOF DECK, HOLD STUD FRAMING 3/4" FROM UNDERSIDE ROOF DECK, ONE LAYER 5/8" GYPSUM BOARD EACH SIDE TERMINATING 6" MIN. ABOVE ADJACENT CEILING HEIGHT AT ACT CEILINGS ONLY OR TERMINATE AT GYPSUM BOARD CEILING, SEE FINISH SCHEDULE FOR FINISH AND COLOR.
J INTERIOR NON-BEARING PARTITION: 6" STEEL STUDS AT 24" O.C. (MAX.) WITH HEAD DEFLECTION TRACK FASTENED TO UNDERSIDE OF ROOF DECK, HOLD STUD FRAMING 3/4" FROM UNDERSIDE ROOF DECK, ONE LAYER 5/8" GYPSUM BOARD EACH SIDE TERMINATING 6" MIN. ABOVE ADJACENT CEILING HEIGHT AT ACT CEILINGS ONLY OR TERMINATE AT GYPSUM BOARD CEILING, SEE FINISH SCHEDULE FOR FINISH AND COLOR.
K INTERIOR NON-BEARING PARTITION: SAME AS WALL TYPE "H" EXCEPT ONE LAYER 5/8" GYPSUM BOARD ROOM SIDE ONLY.
L INTERIOR NON-BEARING PARTITION: SAME AS WALL TYPE "J" EXCEPT ONE LAYER 5/8" GYPSUM BOARD ROOM SIDE ONLY.
M INTERIOR NON-BEARING ONE-HALF HOUR FIRE RESISTANCE PARTITION: STAGGERED 3 5/8" STEEL STUDS AT 24" O.C. (MAX.) WITH 6" HEAD DEFLECTION TRACK FASTENED TO UNDERSIDE OF ROOF DECK, HOLD STUD FRAMING 3/4" FROM UNDERSIDE ROOF DECK AND 6" TRACK AT CONCRETE SLAB WITH ONE LAYER 5/8" GYPSUM BOARD EACH SIDE EXTEND TO TOP OF STUD FRAMING, FINISH TO ADJACENT GYPSUM BOARD CEILING, SEE FINISH SCHEDULE FOR FINISH AND COLOR.
N INTERIOR BEARING: 11 1/4" INSULATED CONCRETE FORMS (ICF) WITH ONE LAYER 5/8" GYPSUM BOARD FULL HEIGHT EACH SIDE (INTERIOR ONLY), SEE FINISH SCHEDULE FOR FINISH AND COLOR.
S SOUND ATTENUATION BLANKET FULL DEPTH AND HEIGHT OF PARTITION NOTED.

- ### GENERAL NOTES
- INFORM THE ARCHITECT OF ANY DISCREPANCIES BEFORE BEGINNING WORK.
 - CONTRACTOR TO PROVIDE 16 GA. BACKING AT ALL WALL MOUNTED EQUIPMENT TO PROVIDE POSITIVE ATTACHMENT(S).
 - WHERE CERAMIC TILE IS BEING USED AS FINAL WALL FINISH PER PLANS, PROVIDE 5/8" CEMENT BACKER BOARD IN LIEU OF 5/8" GYPSUM BOARD.
 - REFER TO ROOM FINISH SCHEDULE SHEET A3.31 FOR ADDITIONAL WALL/CEILING FINISHES.
 - REFER TO EXT. ELEV. SHEETS A7.01- A7.02 FOR EXTERIOR WALL FINISHES NOT REFERENCED.
 - REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL WALL CONSTRUCTION REQUIREMENTS NOT REFERENCED, TYPICAL NON-BEARING INTERIOR STEEL STUD WALL SCHEDULE AND INTERIOR STEEL CEILING JOIST SCHEDULE FOR ADDITIONAL REQUIREMENTS.

N-FLOOR-WTYPES

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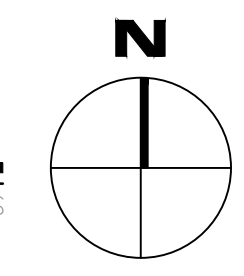
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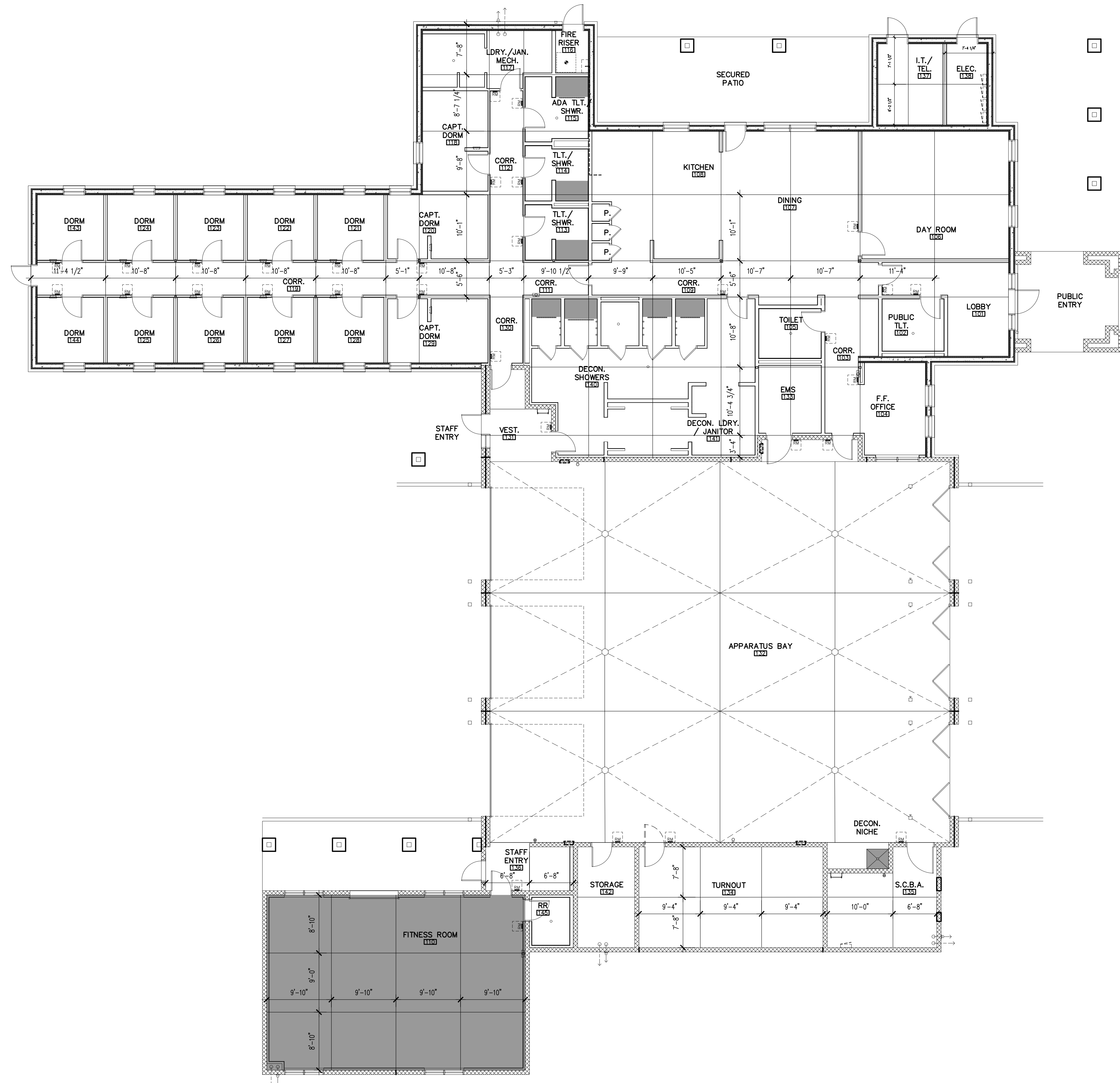
KIVA # **23-1810**
SDEV # **2300473**

FLOOR PLAN - WALL TYPES
A2.21

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



CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

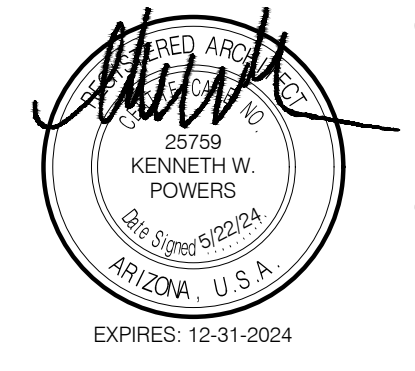


LEGEND

- CONTROL JOINTS IN CONCRETE SLAB ON GRADE. SEE STRUCTURAL DRAWINGS FOR ANY ADDITIONAL INFORMATION NOT SHOWN.
- AREA OF DEPRESSED FLOOR SLAB
- TOILET ROOM 113, 114, 115, AND DECON SHOWER ROOM 140: SHOWER PAN AT -2".
- FITNESS ROOM 110: GYM FLOORING AT -1".
- DEPTH OF DEPRESSED SLAB LISTED ARE FOR REFERENCE AND TO BE VERIFIED AND COORDINATED WITH APPROVED PRODUCT MANUFACTURERS PRIOR TO POUR.

- ### GENERAL NOTES
- GENERAL CONTRACTOR TO VERIFY THAT ALL CONSTRUCTION JOINTS AND CONTROL JOINTS ARE LOCATED PER THE EXACT LAYOUT SHOWN IN PLANS PRIOR TO PLACEMENT OR CUTTING.
 - IT IS THE INTENT OF THE JOINTS TO MEET THE RECOMMENDED PANEL SIZES OF CONCRETE, BUT ALSO TO BE LOCATED UNDER WALLS OR OTHER ARCHITECTURAL FEATURES AS SHOWN TO INSURE A WELL ORGANIZED AND AESTHETICALLY PLEASING FINAL PRODUCT.
 - THE MAJORITY OF THE CONCRETE SLABS WITHIN THE BUILDING AND SITE ARE TO BE THE FINAL PRODUCT AND WILL NOT BE COVERED BY OTHER FLOORING MATERIALS. ANY DEVIATION WILL NEED PRIOR APPROVAL OF ARCHITECT.
 - SEE STRUCTURAL DRAWINGS FOR ANY INFORMATION NOT SHOWN OR CALLED OUT.
 - WHERE SHOWN, PROVIDE CONTROL JOINT FROM CORNER OF CMU WALL.
 - WHERE SHOWN, CENTER CONTROL JOINT UNDER STUD WALL.

Revisions	Date
△ CITY COMMENTS	5/22/24



Designed By:
ET / GA

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Checked By:
GA / TA

Date:
12/14/2023

Phase:
PERMIT

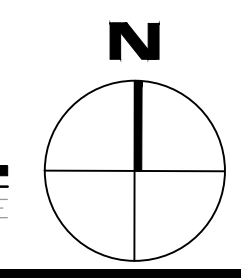
Perlman
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2929 North Central Avenue, Suite # 1600
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perlmanac.com

Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**
Index No: **FD57100020-3**

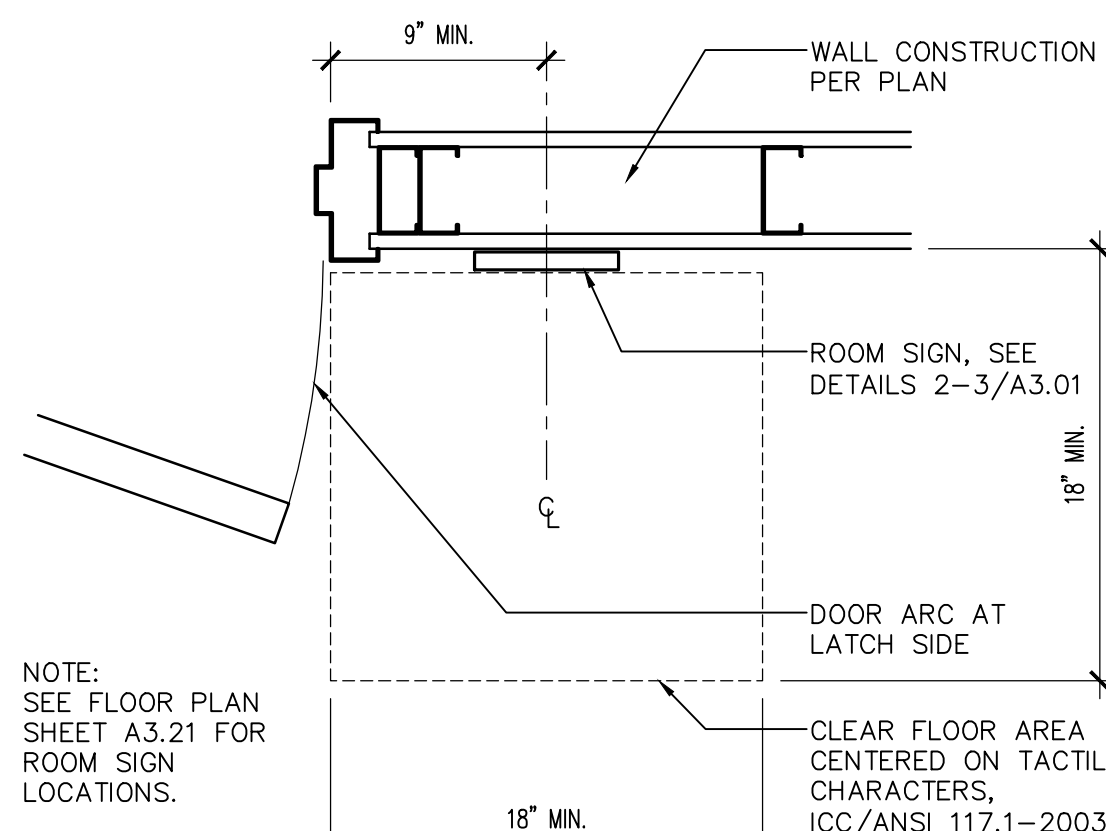
KIVA # **23-1810**
SDEV # **2300473**

FLOOR PLAN - JOINTING
A2.22

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

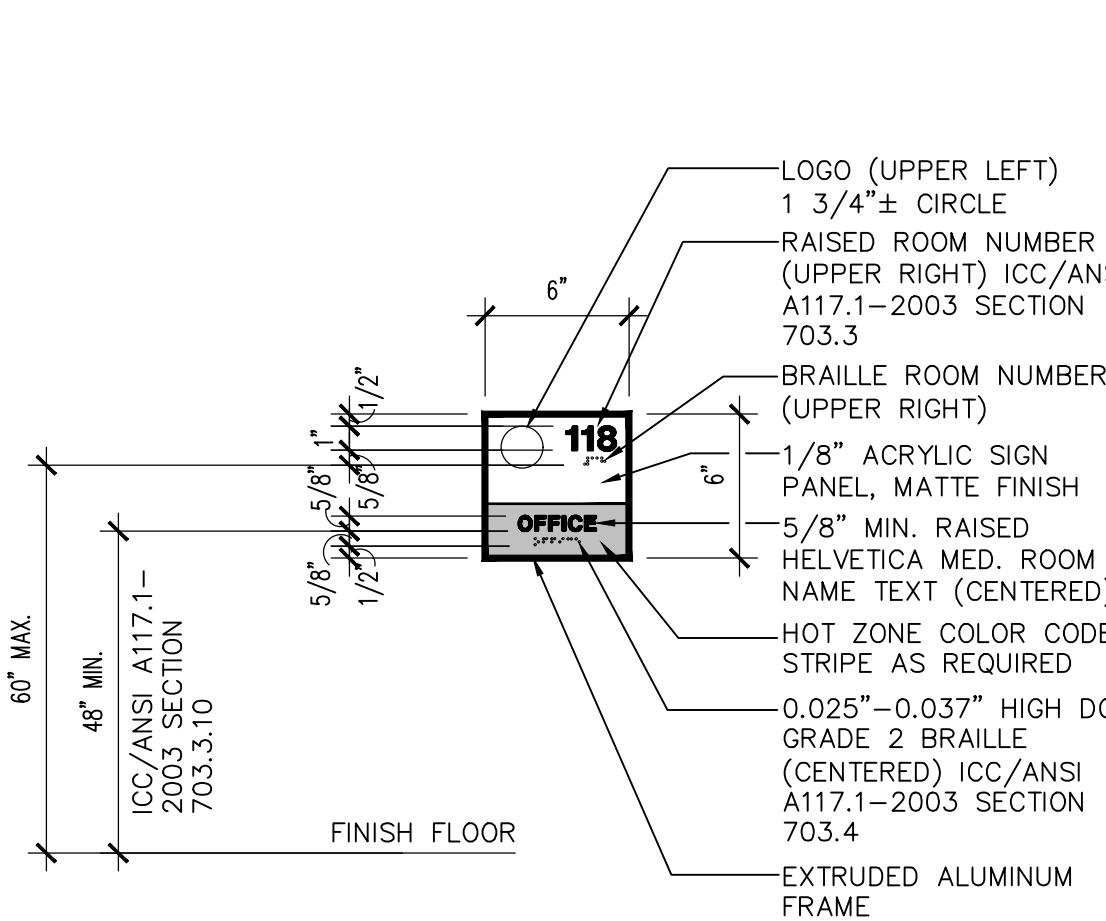


CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

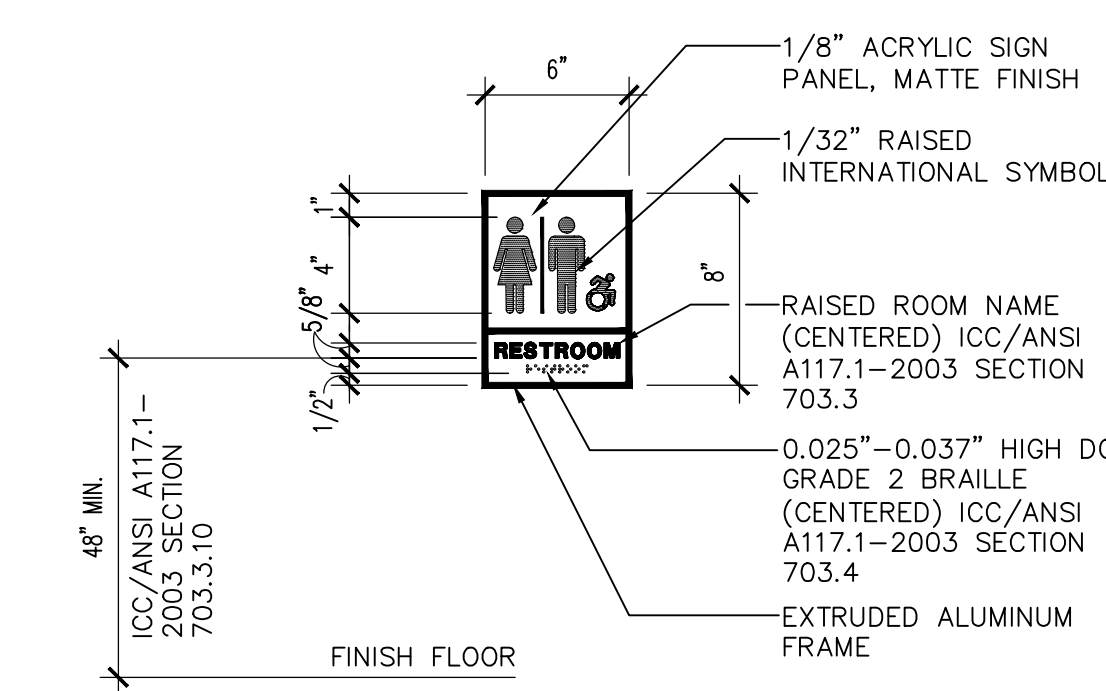


1 ROOM SIGN LOCATION

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

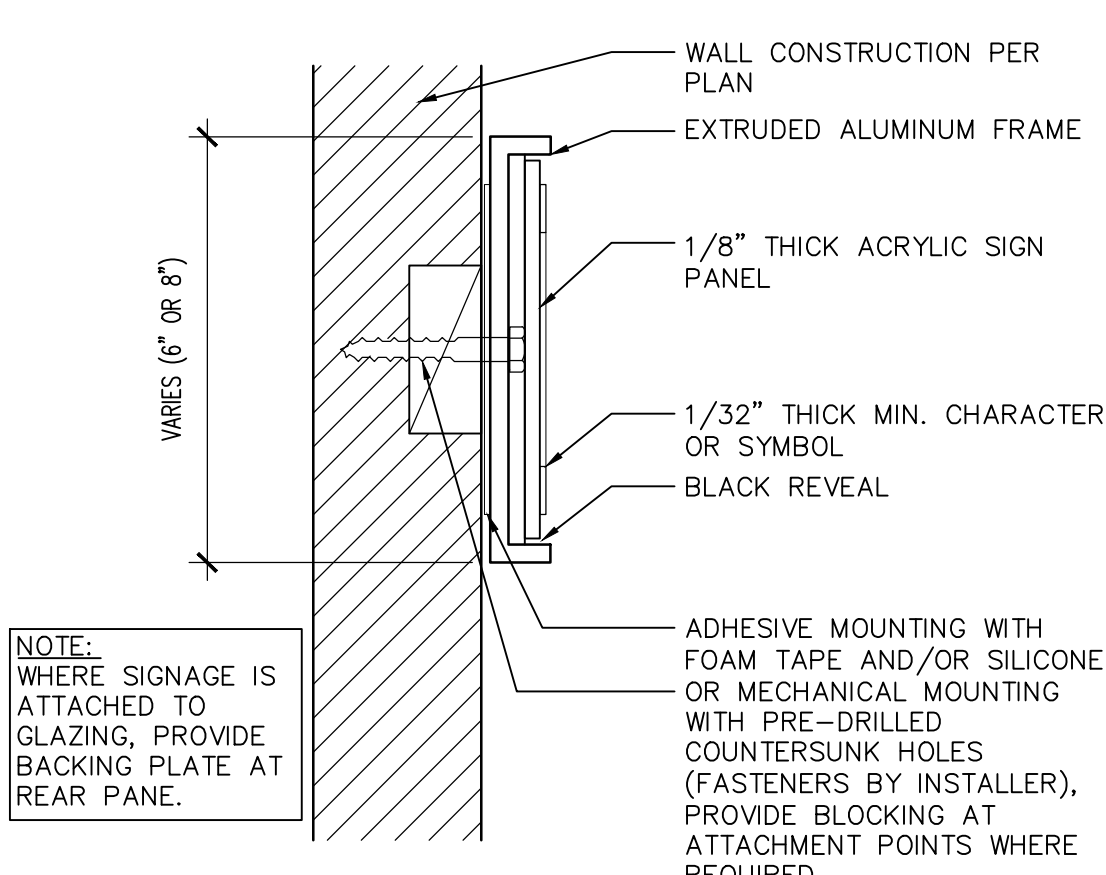


NOTE: DARK GREY PLAQUE WITH SILVER LETTERING. REFER TO DOOR SCHEDULE FOR COLOR CODED DESIGNATIONS.



2 ROOM SIGN

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



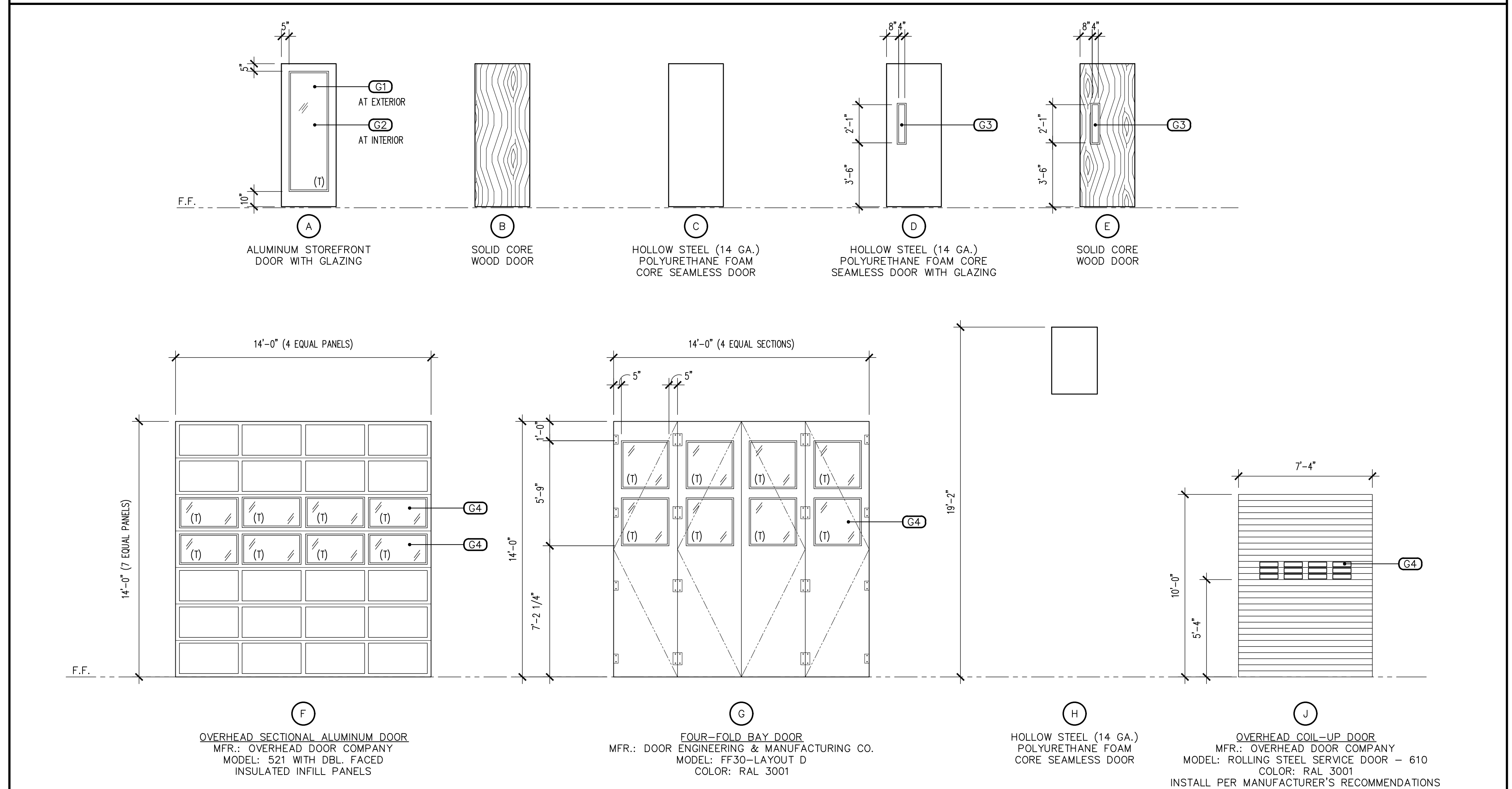
3 ROOM SIGN FRAME

SCALE: 3" = 1'-0"

DOOR SCHEDULE

DOOR				FRAME				HARDWARE SET NO.	HOT ZONE SIGNAGE COLOR DESIGNATION	REMARKS
NO.	ROOM NAME	TYPE	SIZE	MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL			
101A	LOBBY	A	4'-0" x 8'-6"	ALUM	1/A3.02	5/A3.12	5/A3.12	AL-02	-	1 2
101B	LOBBY	E	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	15	GREEN	2
102	PUBLIC TOILET	B	3'-0" x 7'-0"	HS	3/A3.02	12/A3.02	12/A3.02	05	GREEN	
103	CORRIDOR	D	3'-0" x 7'-0"	HS	5/A3.02	15/A3.02	15/A3.02	13	RED @ 103/GREEN @ 132	2
105	TOILET	B	3'-0" x 7'-0"	HS	3/A3.02	12/A3.02	12/A3.02	05	GREEN	
106	DAYROOM	F	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	11	GREEN	
107	DINING	A	3'-0" x 8'-6"	ALUM	1/A3.02	10/A3.02	10/A3.02	19/A3.02	AL-03	2
108A	KITCHEN	B	2'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	12	-	
108B	KITCHEN	B	2'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	12	-	
108C	KITCHEN	B	2'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	12	-	
110A	FITNESS	D	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	20/A3.02	08	GREEN
110B	FITNESS	J	7'-4" x 10'-0"	HS	2/A3.02	11/A3.02	11/A3.02	09	-	6
111	CORRIDOR	E	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	09	-	
113	TOILET/ SHOWER	B	3'-0" x 7'-0"	HS	3/A3.02	12/A3.02	12/A3.02	03	GREEN	
114	TOILET/ SHOWER	B	3'-0" x 7'-0"	HS	3/A3.02	12/A3.02	12/A3.02	03	GREEN	
115	ADA TOILET/ SHOWER	B	3'-0" x 7'-0"	HS	3/A3.02	12/A3.02	12/A3.02	03	GREEN	
116	FIRE RISER	C	3'-0" x 7'-0"	HS	6/A3.02	14/A3.02	14/A3.02	20/A3.02	14	06
117	LAUNDRY/ JANITOR / MECH.	B	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	02	GREEN	4
118	CAPTAIN'S DORM	C	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	02	GREEN	
119	CORRIDOR	C	3'-0" x 7'-0"	HS	6/A3.02	14/A3.02	14/A3.02	20/A3.02	16	-
120	CAPTAIN'S DORM	B	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	02	GREEN	1 2 4
121	DORM	B	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	01	GREEN	20-MIN. DOOR/FRAME REQ'D @ 1/2-HR WALL
122	DORM	B	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	01	GREEN	20-MIN. DOOR/FRAME REQ'D @ 1/2-HR WALL
123	DORM	B	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	01	GREEN	20-MIN. DOOR/FRAME REQ'D @ 1/2-HR WALL
124	DORM	B	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	01	GREEN	20-MIN. DOOR/FRAME REQ'D @ 1/2-HR WALL
125	DORM	B	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	01	GREEN	20-MIN. DOOR/FRAME REQ'D @ 1/2-HR WALL
126	DORM	B	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	01	GREEN	20-MIN. DOOR/FRAME REQ'D @ 1/2-HR WALL
127	DORM	B	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	01	GREEN	20-MIN. DOOR/FRAME REQ'D @ 1/2-HR WALL
128	DORM	B	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	01	GREEN	20-MIN. DOOR/FRAME REQ'D @ 1/2-HR WALL
129	CAPTAIN'S DORM	B	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	02	GREEN	20-MIN. DOOR/FRAME REQ'D @ 1/2-HR WALL
130	CORRIDOR	D	3'-0" x 7'-0"	HS	5/A3.02	15/A3.02	15/A3.02	15	RED @ 130/GREEN @ 132	2
131	VESTIBULE	A	3'-0" x 8'-6"	ALUM	8/A3.02	16/A3.02	9/A3.12	19/A3.02	AL-01	1 2
132A	APPARATUS BAY	G	14'-0" x 14'-0"	STEEL	5/A3.03	2/A3.03	2/A3.03	1/A3.03	FLD	5
132B	APPARATUS BAY	G	14'-0" x 14'-0"	STEEL	5/A3.03	2/A3.03	2/A3.03	1/A3.03	FLD	5
132C	APPARATUS BAY	G	14'-0" x 14'-0"	STEEL	5/A3.03	2/A3.03	2/A3.03	1/A3.03	FLD	5
132D	APPARATUS BAY	F	14'-0" x 14'-0"	TRACK	-	9/A3.03	9/A3.03	8/A3.03	OH	5 W/3" H.D. HIGH LIFT TRACK & JAMB OPERATOR
132E	APPARATUS BAY	F	14'-0" x 14'-0"	TRACK	-	9/A3.03	9/A3.03	8/A3.03	OH	5 W/3" H.D. HIGH LIFT TRACK & JAMB OPERATOR
132F	APPARATUS BAY	F	14'-0" x 14'-0"	TRACK	-	9/A3.03	9/A3.03	8/A3.03	OH	5 W/3" H.D. HIGH LIFT TRACK & JAMB OPERATOR
133	EMS	D	3'-8" x 7'-0"	HS	5/A3.02	15/A3.02	15/A3.02	20/A3.02	13	YELLOW
134	TURNOUT	D	3'-0" x 7'-0"	HS	-	-	-	10	RED	DOUBLE ACTION DOOR
135	S.C.B.A.	C	4'-0" x 7'-0"	HS	4/A3.02	13/A3.02	13/A3.02	07	YELLOW	
136	STAFF ENTRY	A	3'-0" x 8'-0"	ALUM	8/A3.02	16/A3.02	10/A3.02	19/A3.02	AL-01	1 2
137	I.T./ TELECOMMUNICATIONS	C	3'-0" x 7'-0"	HS	6/A3.02	14/A3.02	14/A3.02	20/A3.02	14	-
138	ELECTRICAL	C	3'-0" x 7'-0"	HS	6/A3.02	14/A3.02	14/A3.02	20/A3.02	14	-
139	ATTIC	H	2'-6" x 3'-8"	HS	7/A3.02	3/A3.11 & 4/A3.11	3/A3.11 & 4/A3.11	18/A3.02	17	-
140A	DECON. SHOWER	B	3'-0" x 7'-0"	HS	3/A3.02	12/A3.02	12/A3.02	09	YEL. @ 109/GREEN @ 140	
140B	DECON. SHOWER	B	3'-0" x 7'-0"	HS	5/A3.02	15/A3.02	15/A3.02	13	YEL. @ 131/RED @ 140	2
140C	DECON. SHOWER COMPARTMENT	C	2'-6" x 7'-0"	HS	3/A3.02	12/A3.02	12/A3.02	04	-	
140D	DECON. SHOWER COMPARTMENT	B	2'-6" x 7'-0"	HS	3/A3.02	12/A3.02	12/A3.02	04	-	
140E	DECON. SHOWER COMPARTMENT	B	2'-6" x 7'-0"	HS	3/A3.02	12/A3.02	12/A3.02	04	-	
140F	DECON. SHOWER COMPARTMENT	B	2'-6" x 7'-0"	HS	3/A3.02	12/A3.02	12/A3.02	04	-	
140G	DECON. SHOWER TOILET	B	2'-6" x 7'-0"	HS	3/A3.02	12/A3.02	12/A3.02	03	-	
142	STORAGE	C	3'-0" x 7'-0"	HS	4/A3.02	13/A3.02	13/A3.02	06	YELLOW	
143	DORM	B	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	01	GREEN	20-MIN. DOOR/FRAME REQ'D @ 1/2-HR WALL
144	DORM	B	3'-0" x 7'-0"	HS	2/A3.02	11/A3.02	11/A3.02	01	GREEN	20-MIN. DOOR/FRAME REQ'D @ 1/2-HR WALL
145	RESTROOM	B	3'-0" x 7'-0"	HS	5/A3.02	15/A3.02	15/A3.02	20/A3.02	05	GREEN

DOOR TYPES



ABBREVIATIONS

(T)	DENOTES TEMPERED SAFETY GLASS TO BE USED (IBC SECTION 2406.3, HAZARDOUS LOCATIONS)
ALUM	ALUMINUM
HS	HOLLOW STEEL

FINISHES

- EXTERIOR**
- ALUMINUM STOREFRONT: ARCADIA OR EQUAL, CENTER GLAZED SYSTEM AG451 (NON-THERMAL) COLOR: AC-2 CLEAR ANODIZED
 - STEEL DOORS & DOOR FRAMES: PAINT, MFR: DUNN EDWARDS, COLOR: BOAT ANCHOR DE6377
 - APPARATUS BAY DOORS: DRYLAC POWDER COATING, MFR: TIGER, COLOR: RAL3001
 - DOOR HARDWARE: BRUSHED ALUMINUM FINISH
- INTERIOR**
- ALUMINUM STOREFRONT: ARCADIA OR EQUAL, CENTER GLAZED SYSTEM AG451 (NON-THERMAL) COLOR: AC-2 CLEAR ANODIZED
 - STEEL DOORS & DOOR FRAMES: PAINT, MFR: DUNN EDWARDS, COLOR: BOAT ANCHOR DE6377
 - WOOD DOORS: PAINT, MFR: DUNN EDWARDS, COLOR: BOAT ANCHOR DE6377
 - DOOR HARDWARE: BRUSHED ALUMINUM FINISH

REMARKS

- PROVIDE A DECAL IDENTIFYING THE INTERNATIONAL "NO SMOKING" SYMBOL WITH LETTERS OR SYMBOL TO BE NOT LESS THAN 3" IN HEIGHT
- PREPARE DOOR / FRAME WITH HARDWARE TO TIE INTO KEY PAD / BUTTON DEVICE, HARDWARE ITEM REQUIRING ELECTRICAL COORDINATION.
- COORDINATE UNDERCUT REQUIREMENT WITH ADJACENT FLOORING.
- PROVIDE ROOM SIGNAGE USE 16 GA. STEEL, 18" H x 24" L PAINTED RED BACKGROUND WITH WHITE LETTERING LABELED "FIRE RISER ROOM." LETTERS TO BE MIN. 2" HIGH AT EXTERIOR SIDE OF DOOR 136.
- PROVIDE DOOR DESIGNATION SIGNAGE, SEE DETAIL 5/A3.03.
- INSTALL COILING DOOR PER MANUFACTURER'S RECOMMENDATIONS.

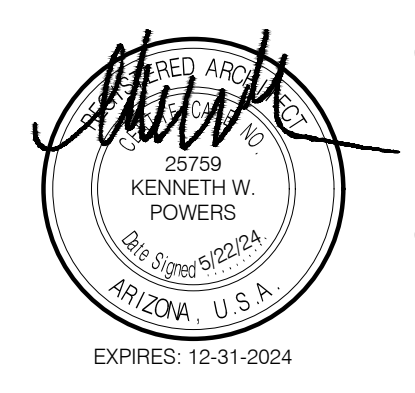
GLAZING

DESCRIPTION
G1 1" INSULATED GLAZING UNIT: EXTERIOR- 1/4" PPG SOLARBAN 70 (2) ON SOLARGRAY GLASS AIR SPACE- 1/2" INTERIOR- 1/4" CLEAR GLASS
G2 1" INSULATED GLAZING UNIT: EXTERIOR- 1/4" CLEAR GLASS AIR SPACE- 1/2" INTERIOR- 1/4" CLEAR GLASS
G3 5/16" LAMINATE: 1/8" CLEAR GLASS 0.060" PVB 1/8" CLEAR GLASS
G4 1/2" INSULATED GLAZING UNIT BY DOOR MANUFACTURER: SOLARGRAY GLASS TINTING TO MATCH WITH ADJACENT EXTERIOR BUILDING GLAZING AS SCHEDULED

GENERAL NOTES

- REFER TO SHEET A10.01 AND PROJECT SPECIFICATIONS FOR DOOR HARDWARE SETS.
- ALL DOORS AND FRAMES SHALL BE AS SPECIFIED IN DIVISION 8 OF THE PROJECT MANUAL.
- HOLLOW METAL DOORS AND FRAMES WILL BE PRECUT AND MORTISED IN SHOP AND DELIVERED TO SITE FULLY PREPARED FOR INSTALLATION.
- HOLLOW METAL DOORS AND FRAMES WILL BE SHOP PRIMED AND FIELD PAINTED ACCORDING TO THE FINISH SCHEDULE AND DIVISION 9 OF THE PROJECT MANUAL.
- ALL SOLID CORE WOOD DOORS: CONTRACTOR SHALL COORDINATE FITTING OF WOOD DOORS TO HOLLOW METAL FRAMES.

Revisions	Date
CITY COMMENTS	5/22/24



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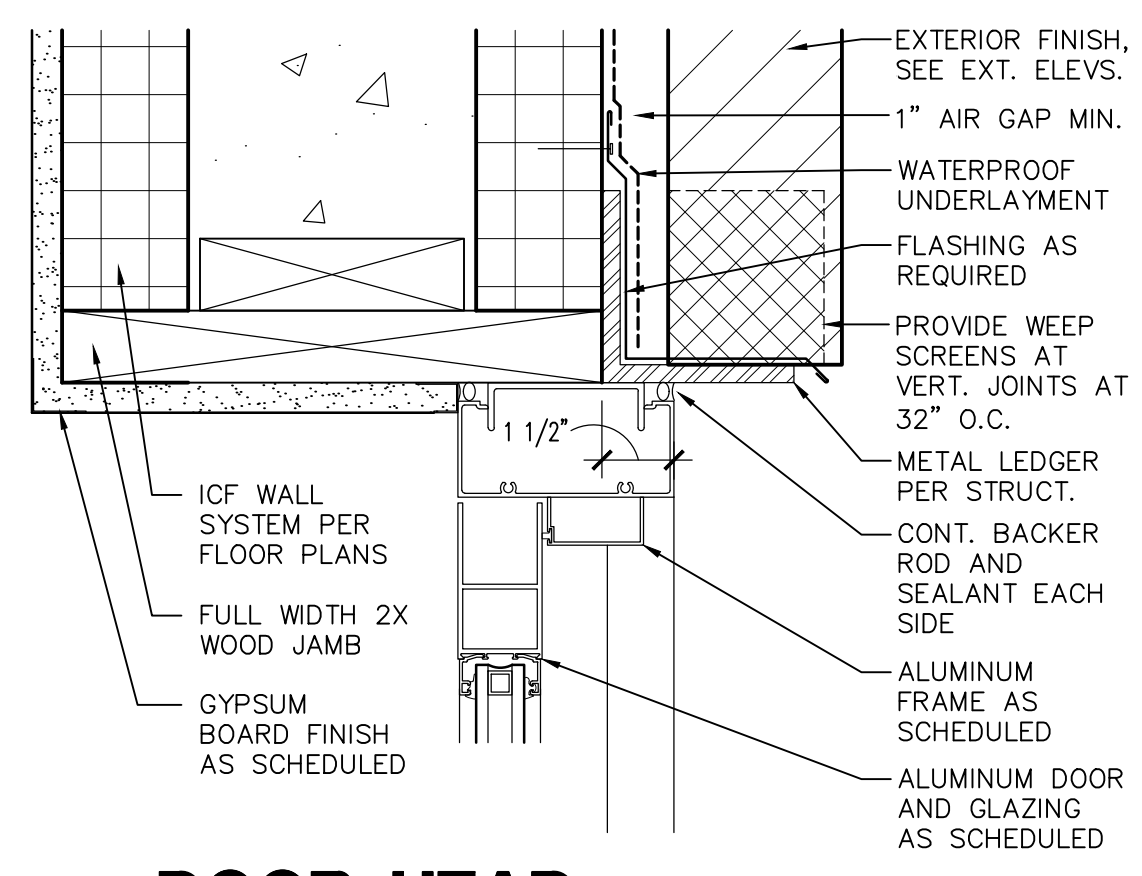


KIVA # **23-1810**
SDEV # **2300473**

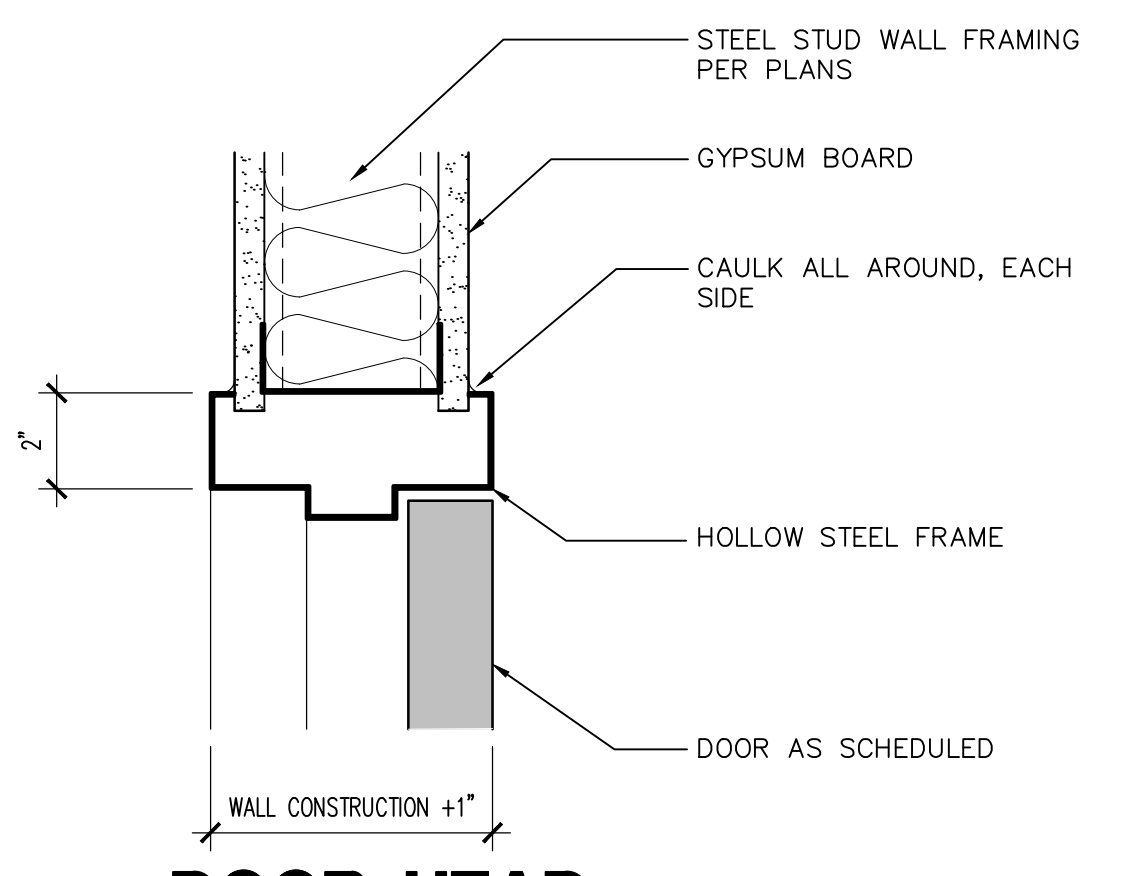
DOOR SCHEDULE AND DETAILS

A3.01

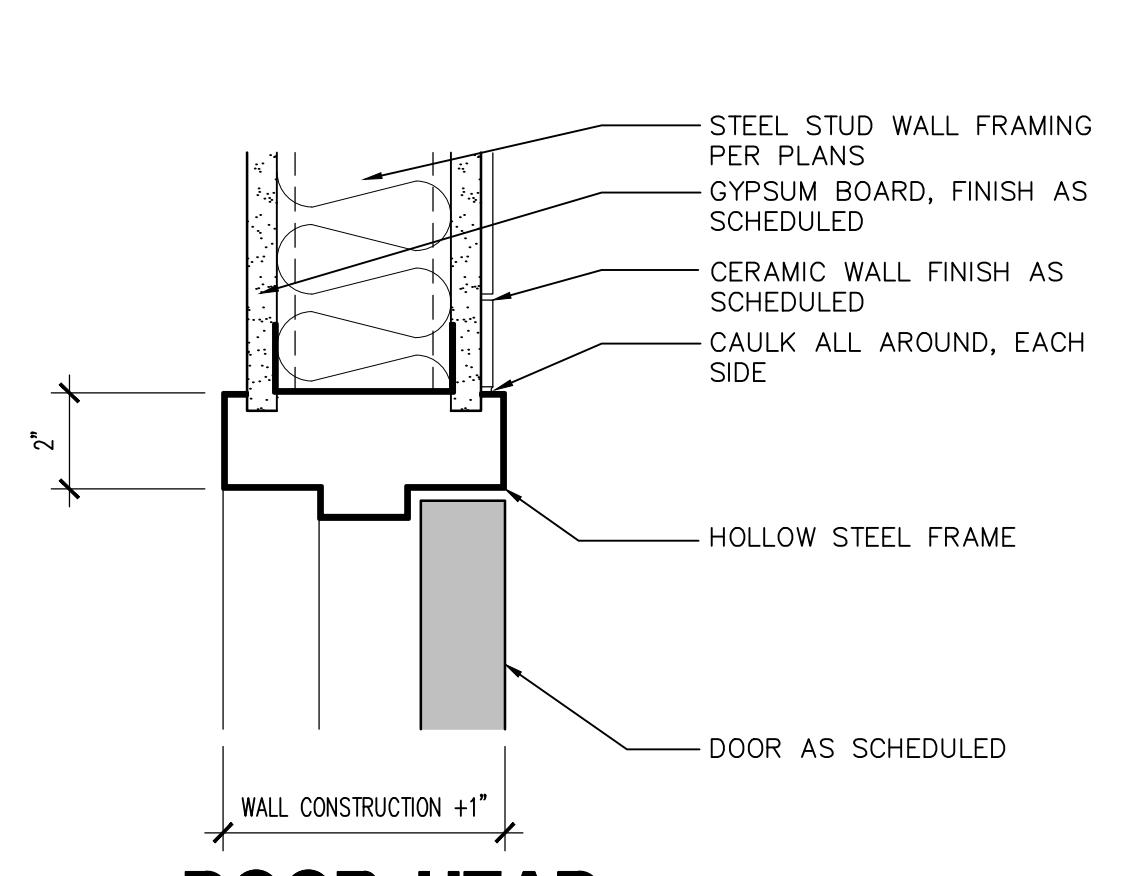
Note:
Per City of Phoenix City Code Chapter 2, section 2-28, these plans are for official use only and may not be shared with others except as required to fulfill the obligations of your contract with the City of Phoenix.



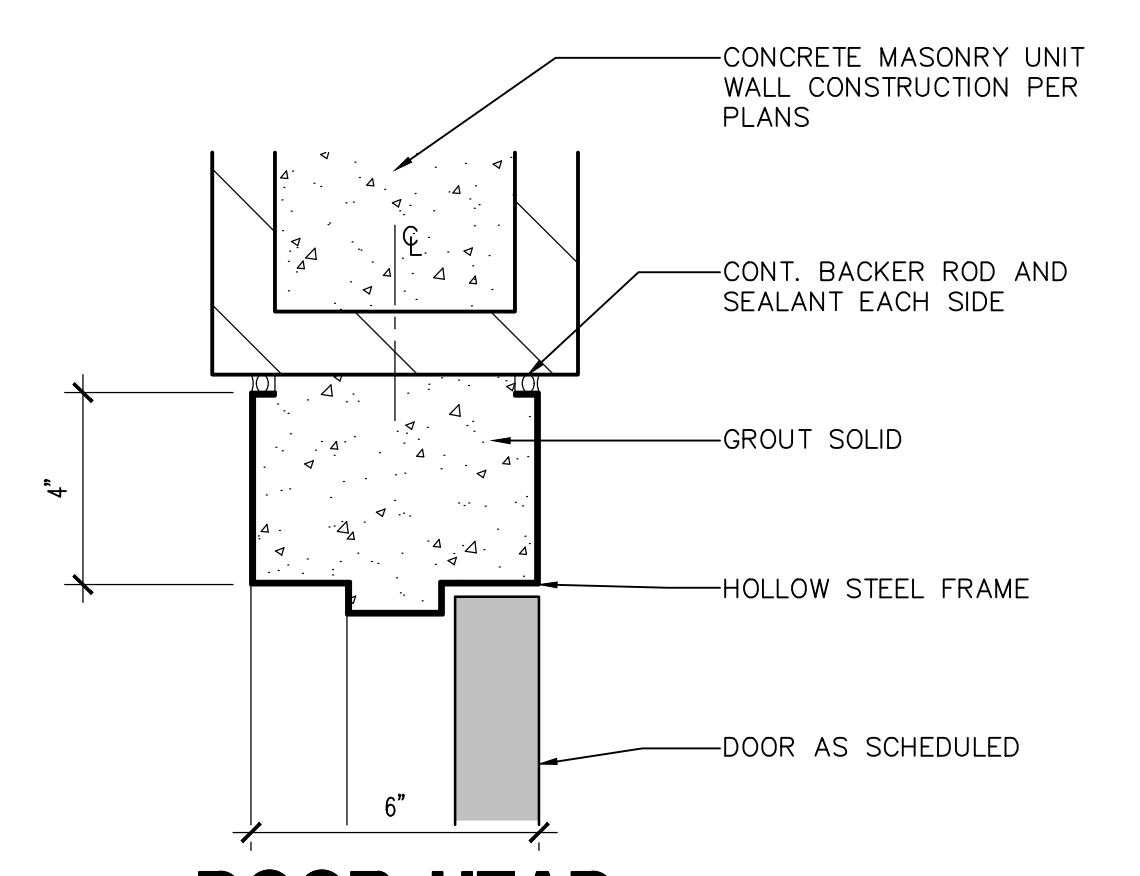
1 DOOR HEAD
SCALE: 3" = 1'-0"
ALDR-HD04



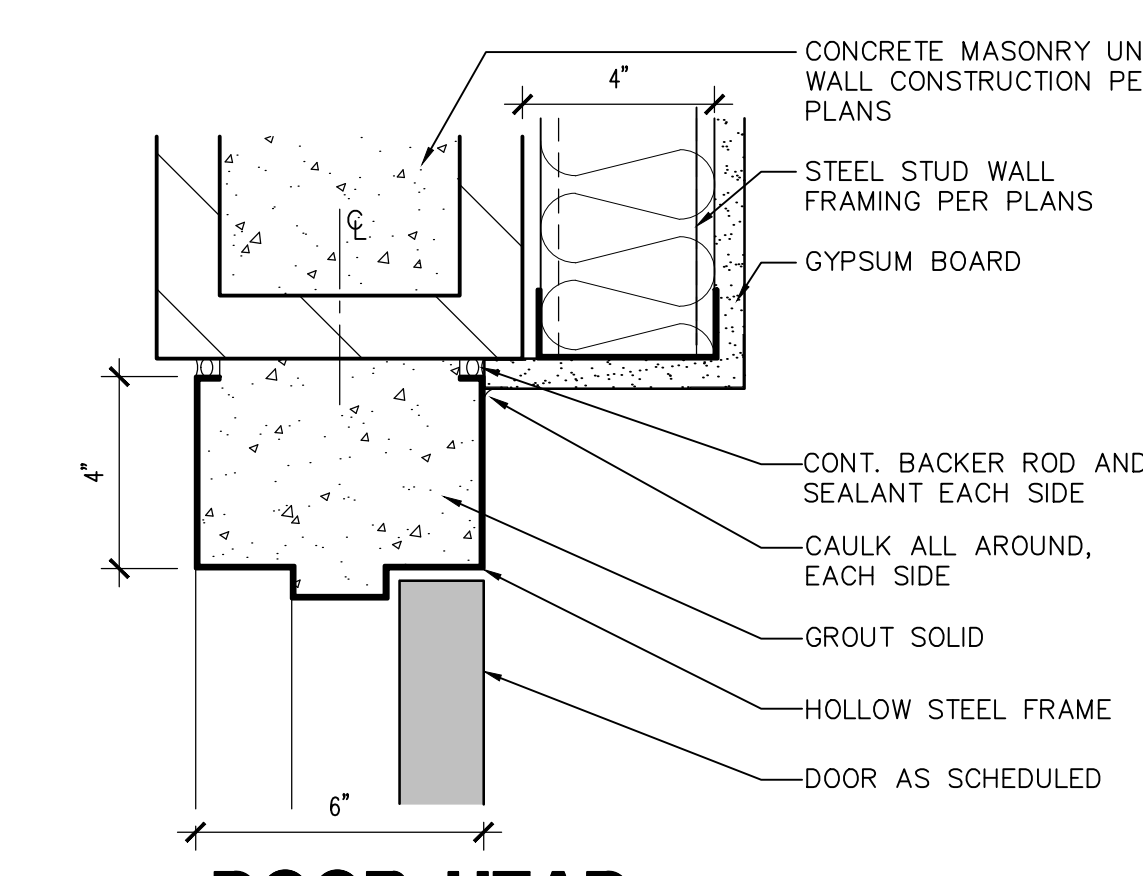
2 DOOR HEAD
SCALE: 3" = 1'-0"
HSDR-HD01



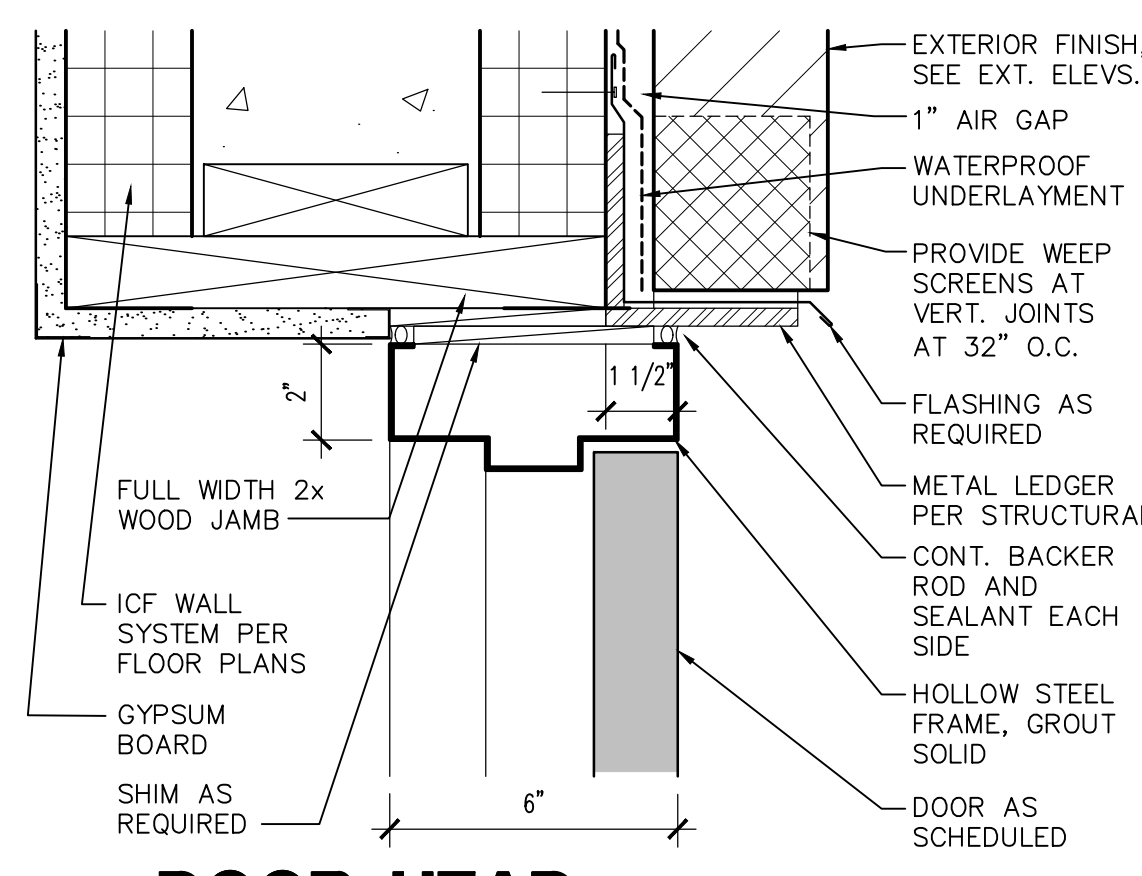
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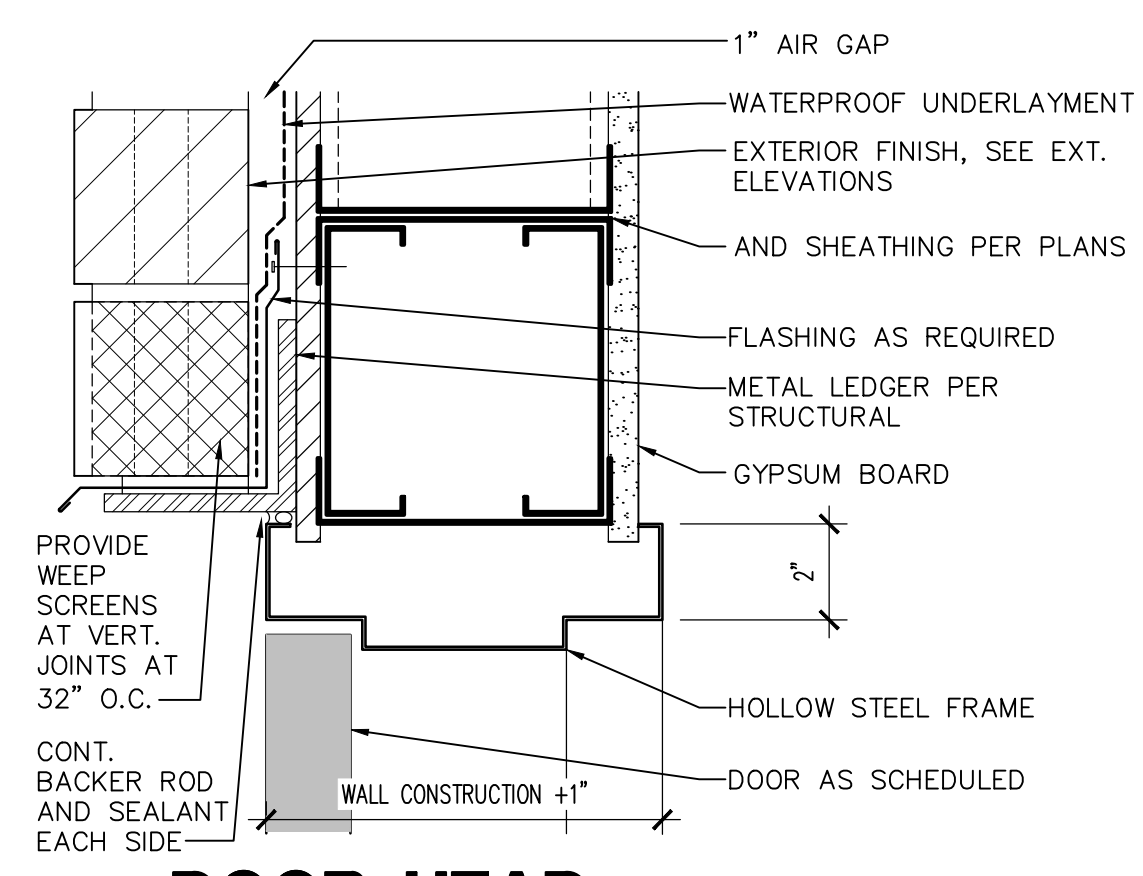
4 DOOR HEAD
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HSDR-HD02



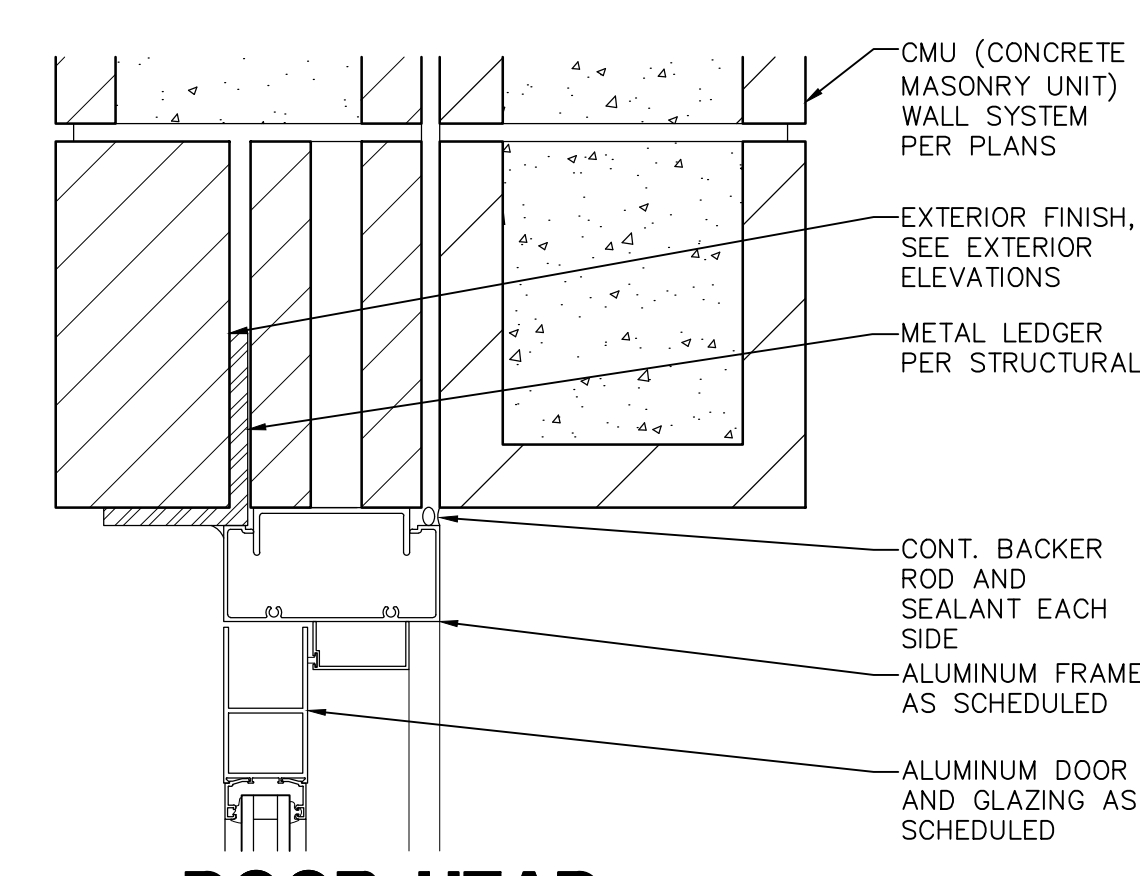
5 DOOR HEAD
SCALE: 3" = 1'-0"
HSDR-HD03



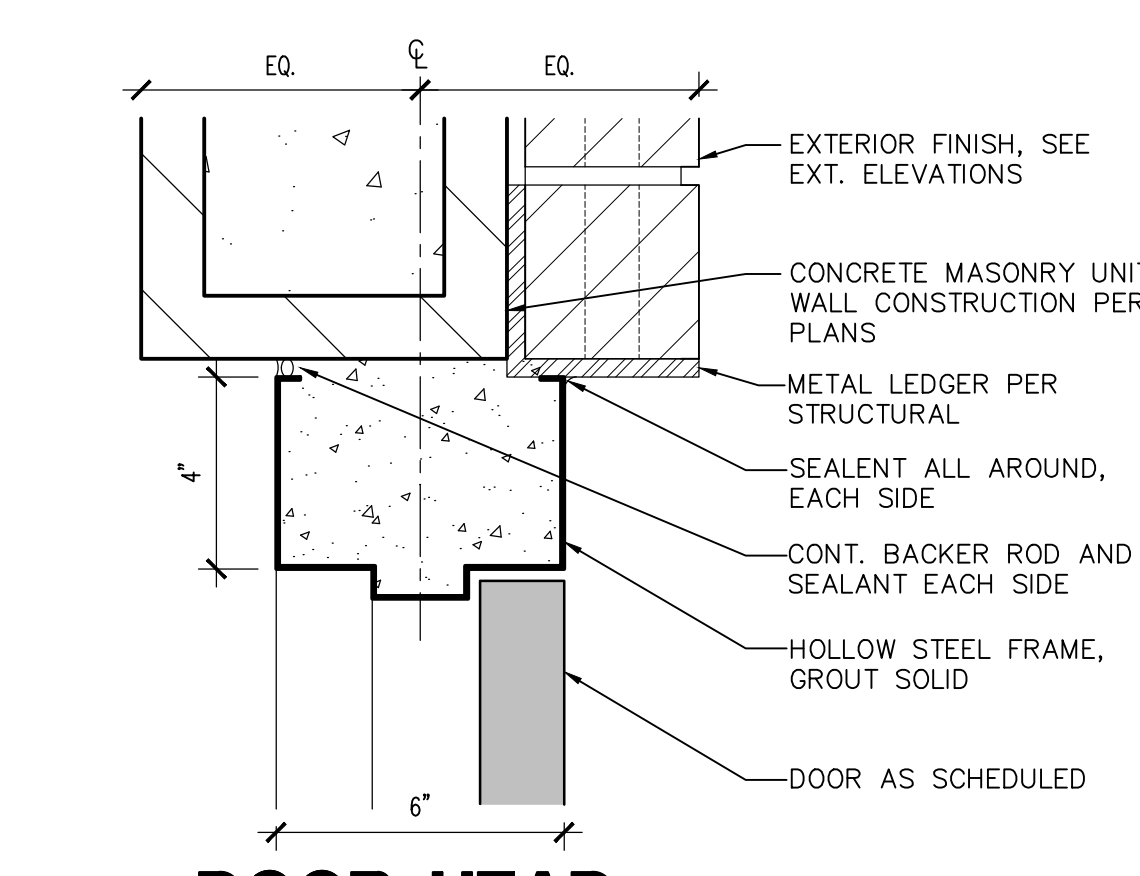
6 DOOR HEAD
SCALE: 3" = 1'-0"
HSDR-HD05



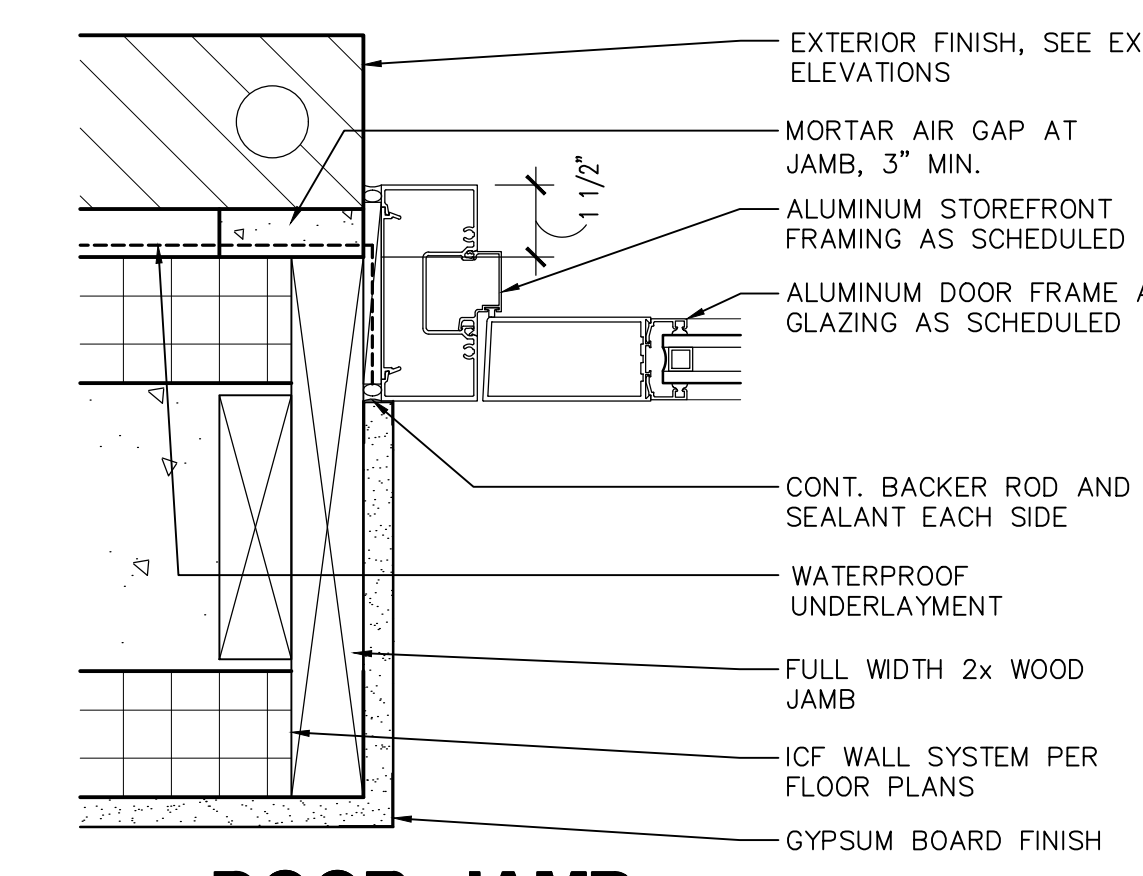
7 DOOR HEAD
SCALE: 3" = 1'-0"
HSDR-HD06



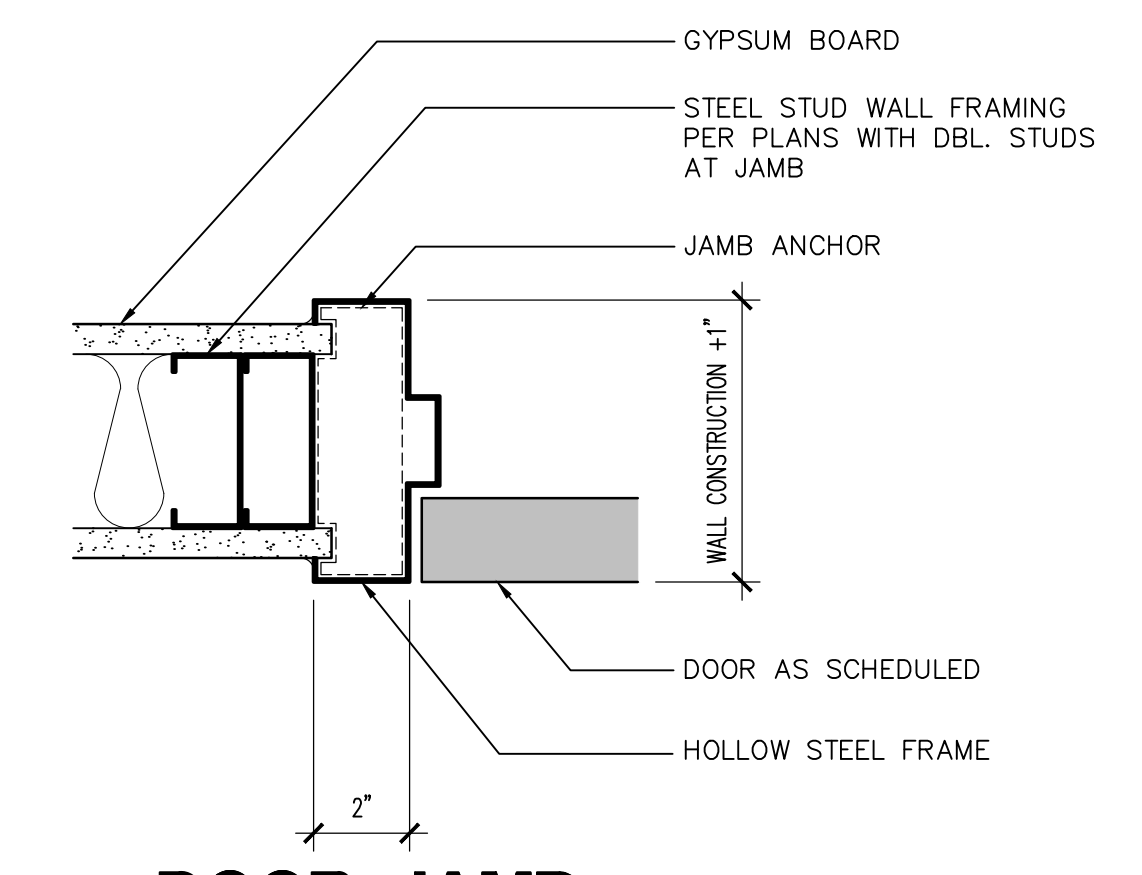
8 DOOR HEAD
SCALE: 3" = 1'-0"
ALDR-HD05



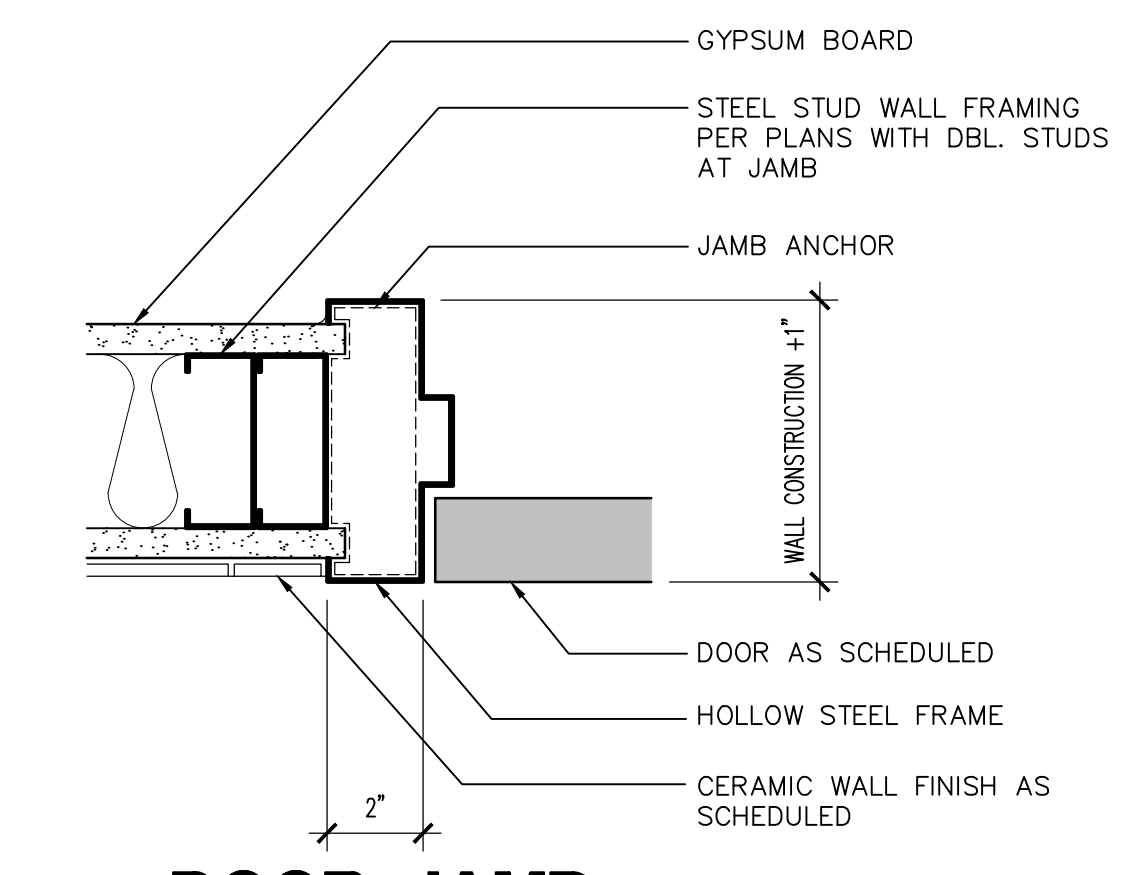
9 DOOR HEAD
SCALE: 3" = 1'-0"
HSDR-HD07



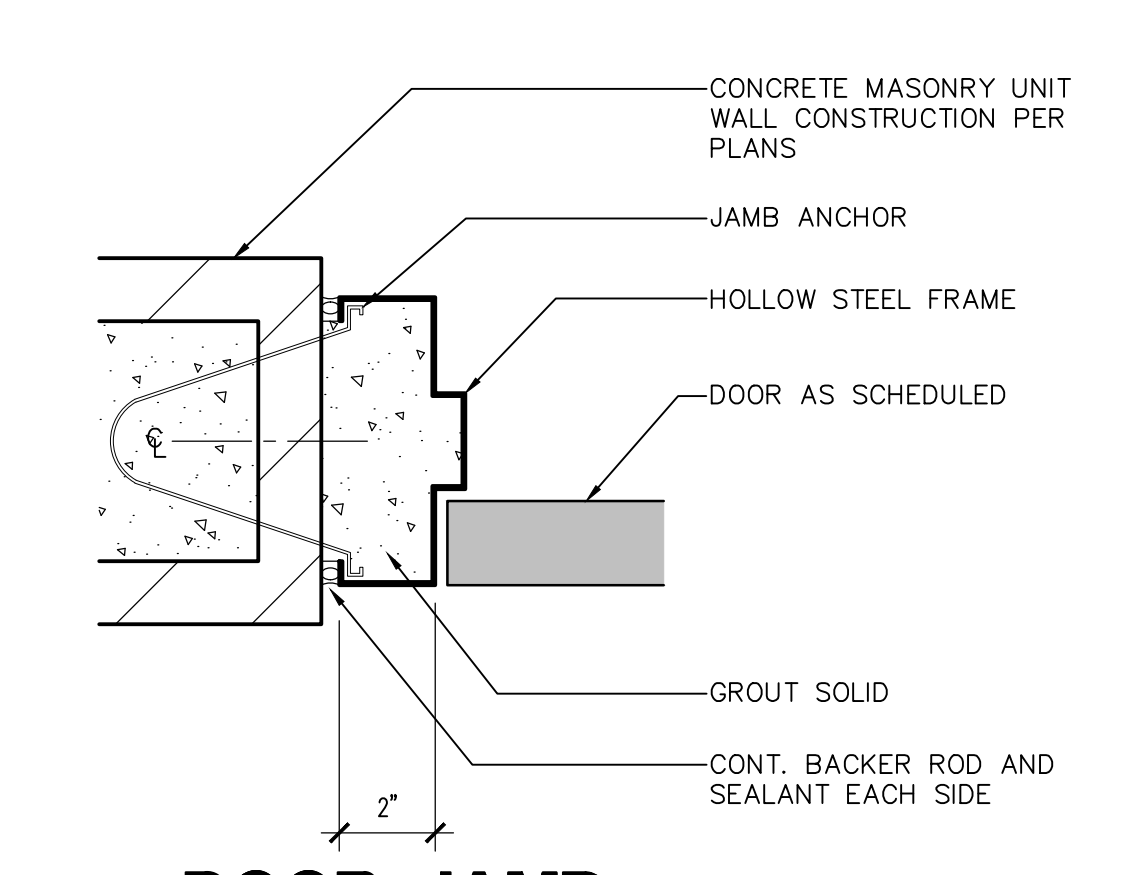
10 DOOR JAMB
SCALE: 3" = 1'-0"
ALDR-JM02



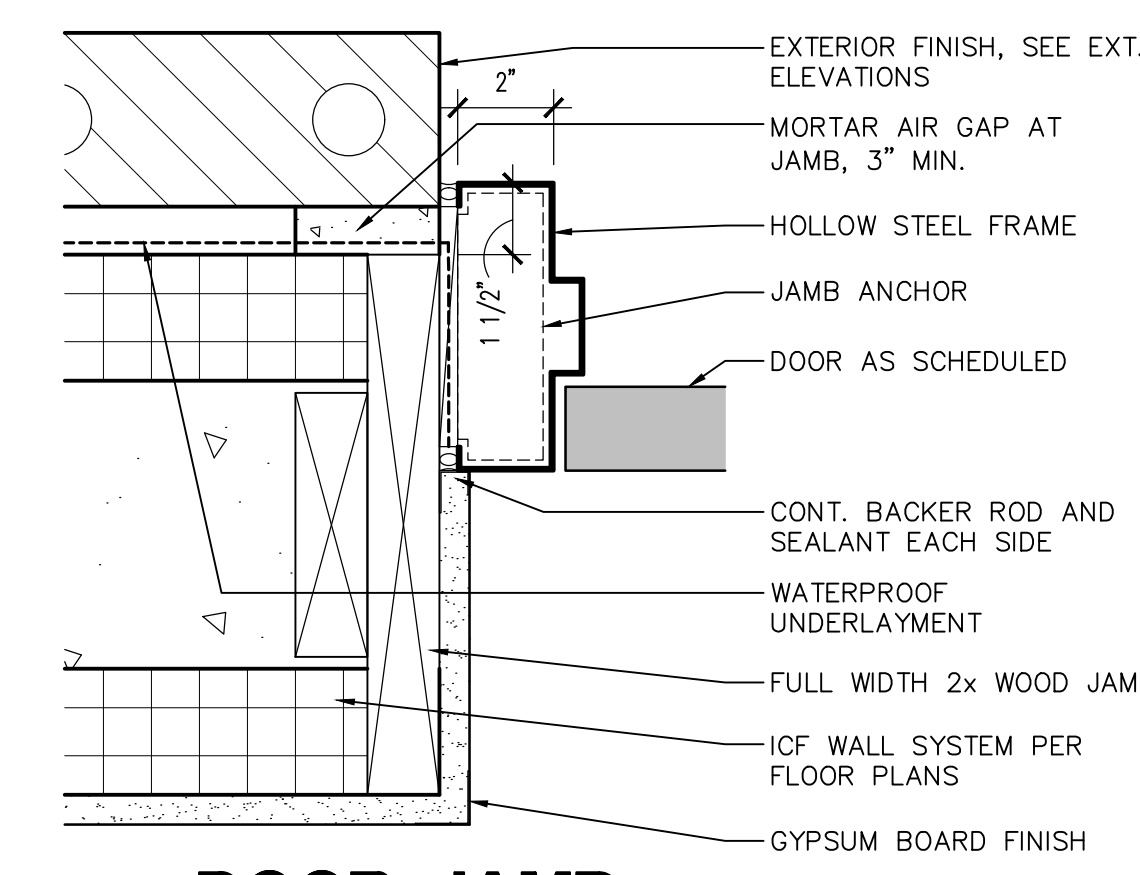
11 DOOR JAMB
SCALE: 3" = 1'-0"
HSDR-JM04



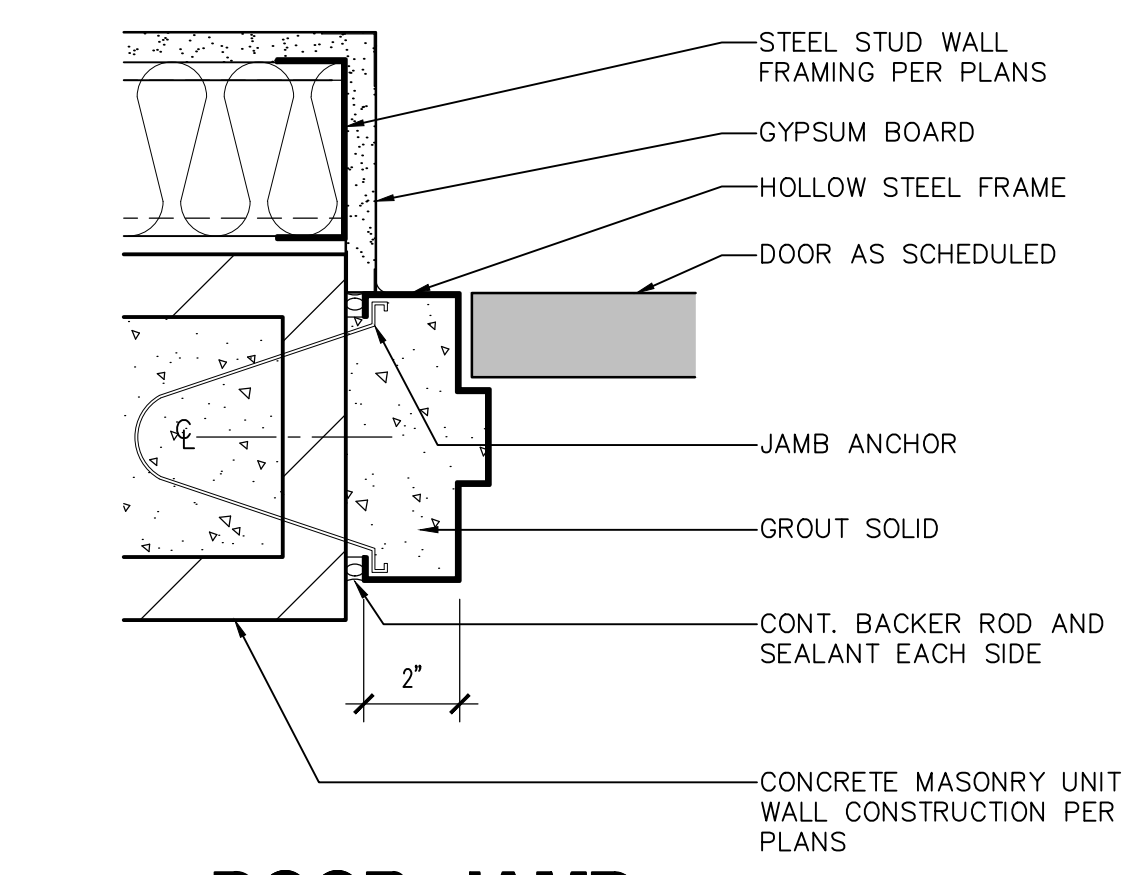
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SCALE: 3" = 1'-0"
HSDR-JM05



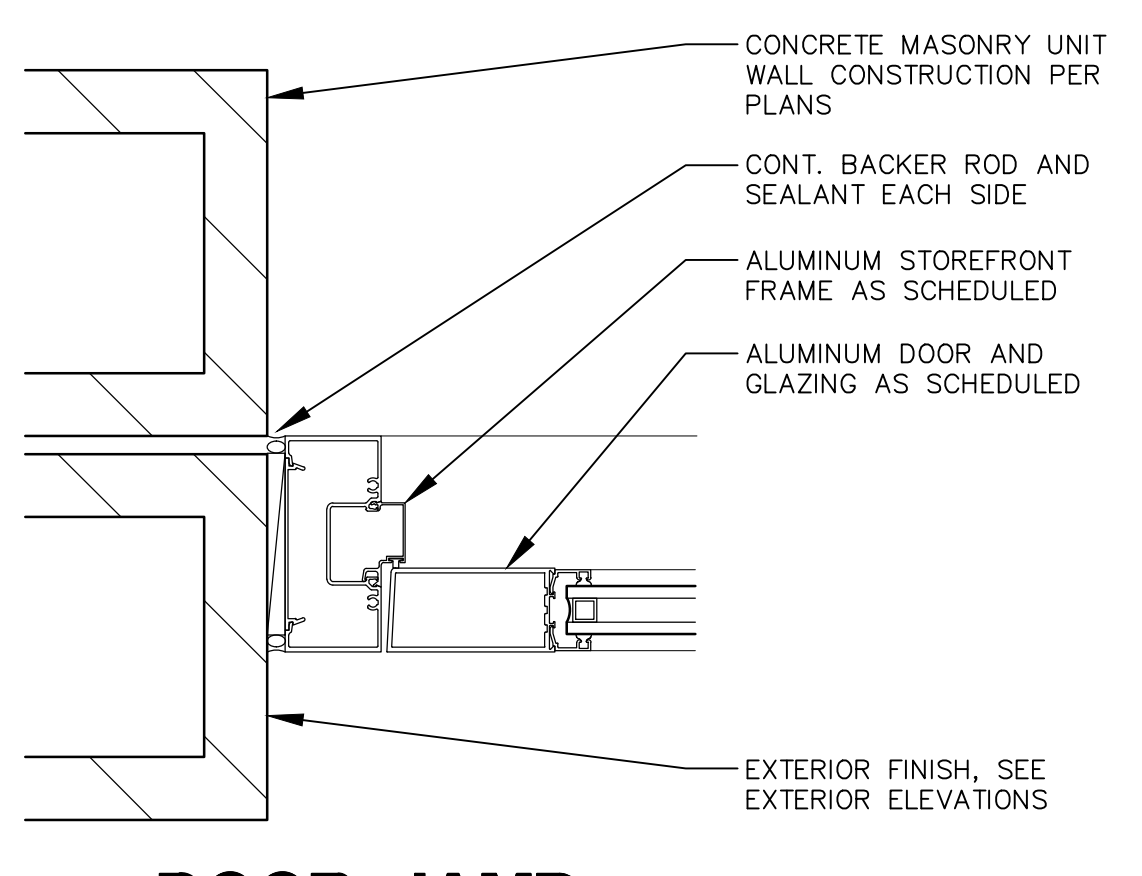
13 DOOR JAMB
SCALE: 3" = 1'-0"
HSDR-JM01



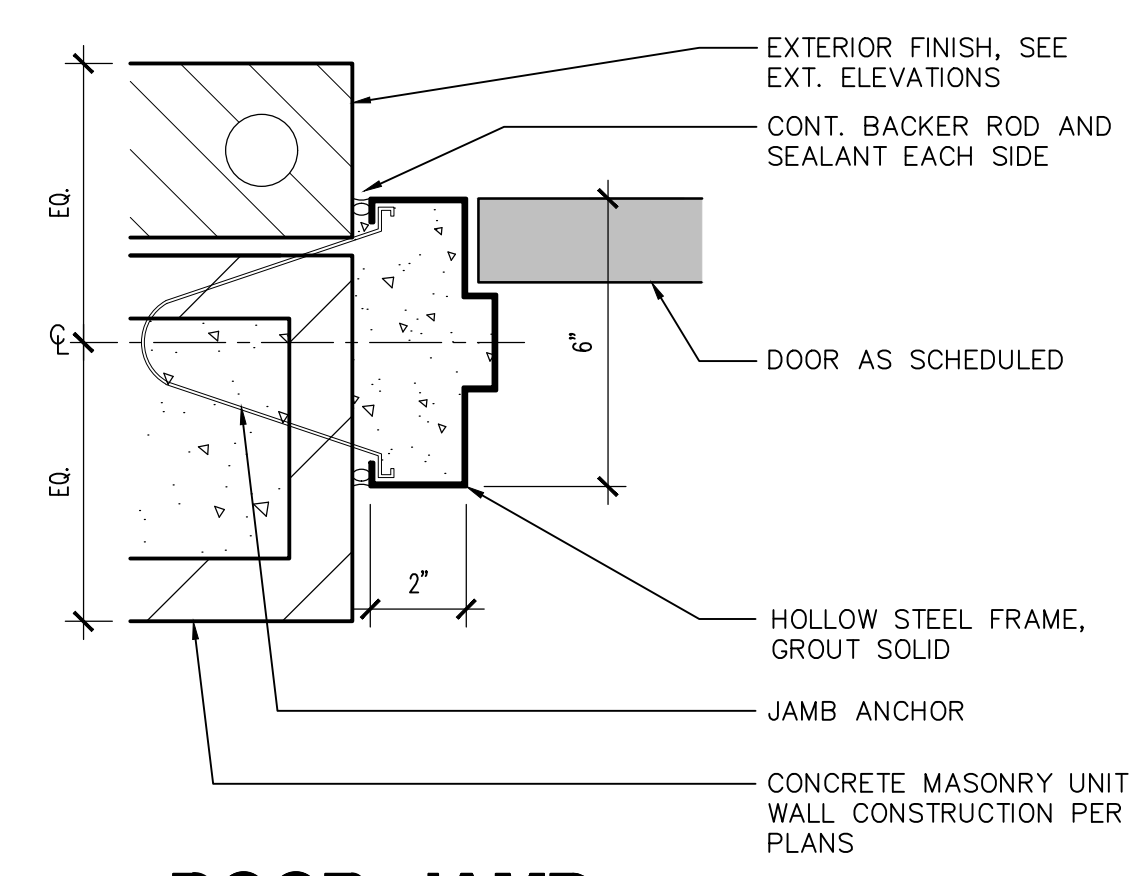
14 DOOR JAMB
SCALE: 3" = 1'-0"
HSDR-JM03



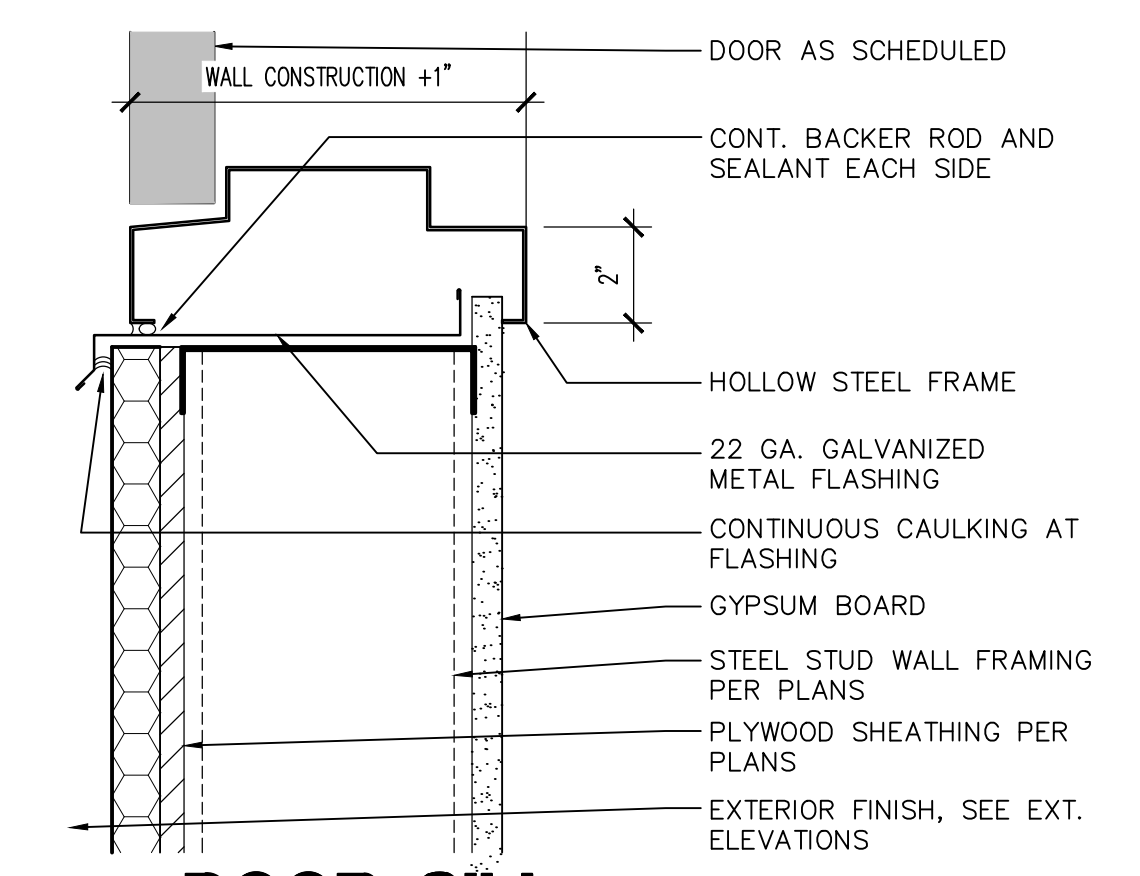
15 DOOR JAMB
SCALE: 3" = 1'-0"
HSDR-JM02



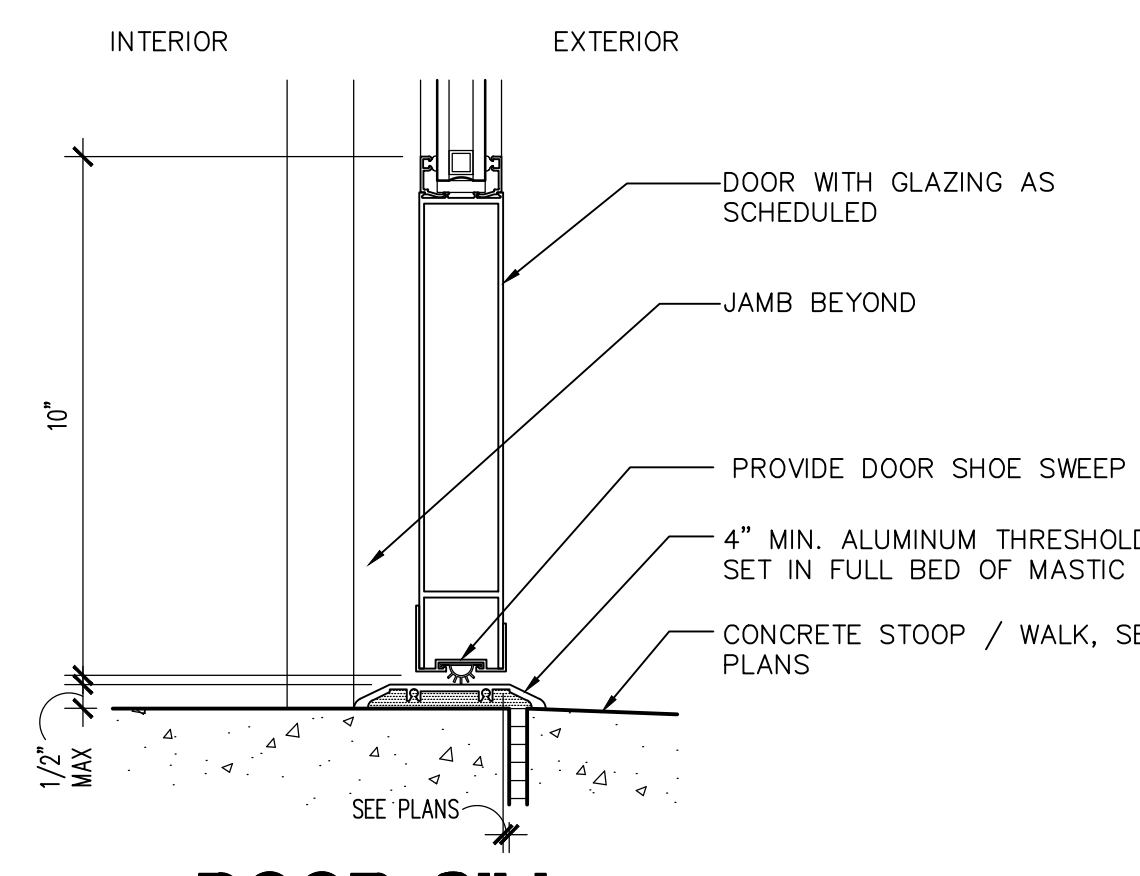
16 DOOR JAMB
SCALE: 3" = 1'-0"
ALDR-JM03



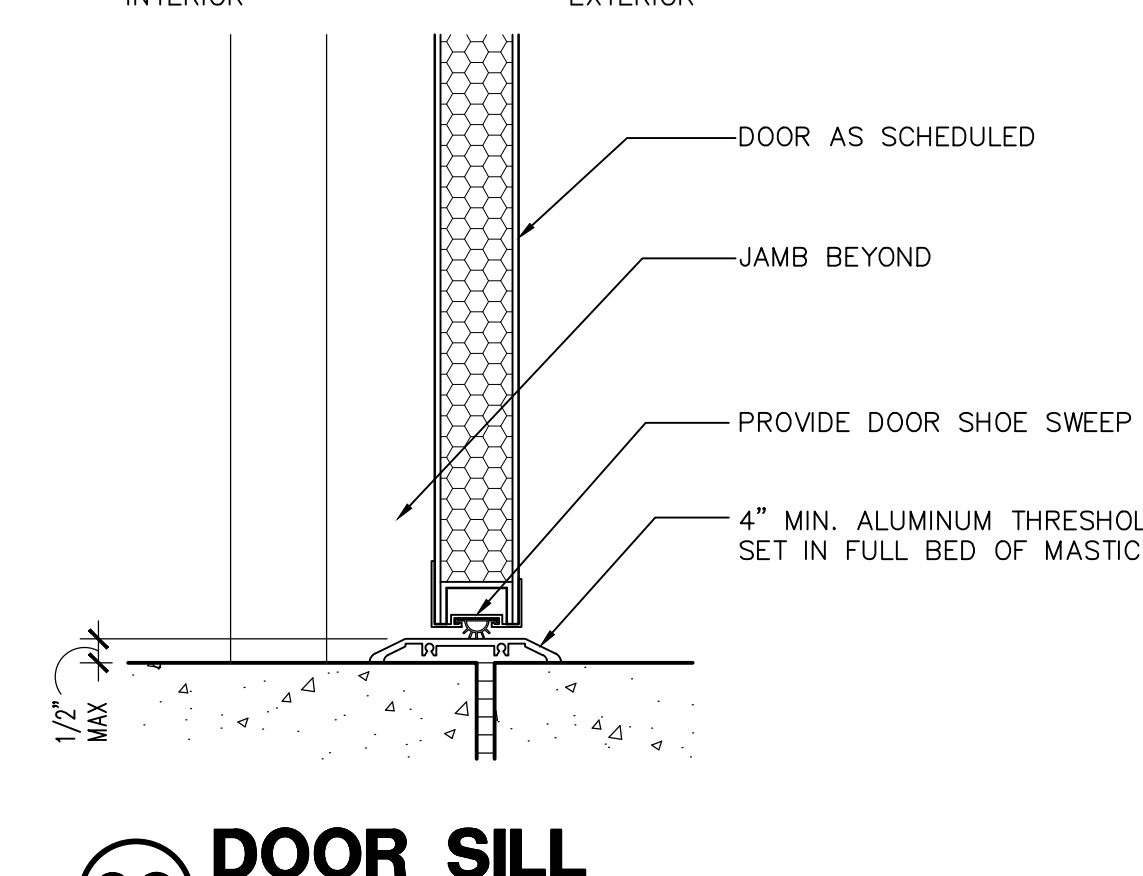
17 DOOR JAMB
SCALE: 3" = 1'-0"
HSDR-JM07



18 DOOR SILL
SCALE: 3" = 1'-0"
HSDR-SL06

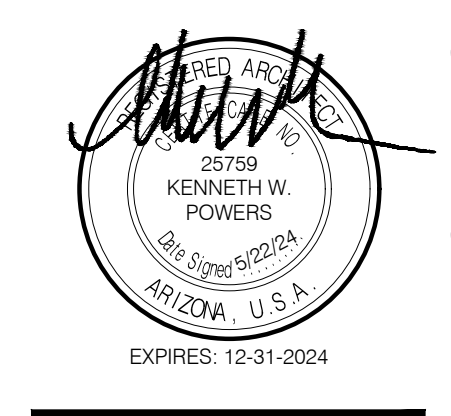


19 DOOR SILL
SCALE: 3" = 1'-0"
ALDR-SL01



20 DOOR SILL
SCALE: 3" = 1'-0"
HSDR-SL01

Revisions	Date
1 CITY COMMENTS	5/22/24



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GA / TA

Date:
12/14/2023

Phase:
PERMIT

Perlman
Architects of Arizona
2929 North Central Avenue, Suite #1600
Phoenix, Arizona 85012
480.951.5900 480.951.3045
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Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**
Index No:
FD57100020-3

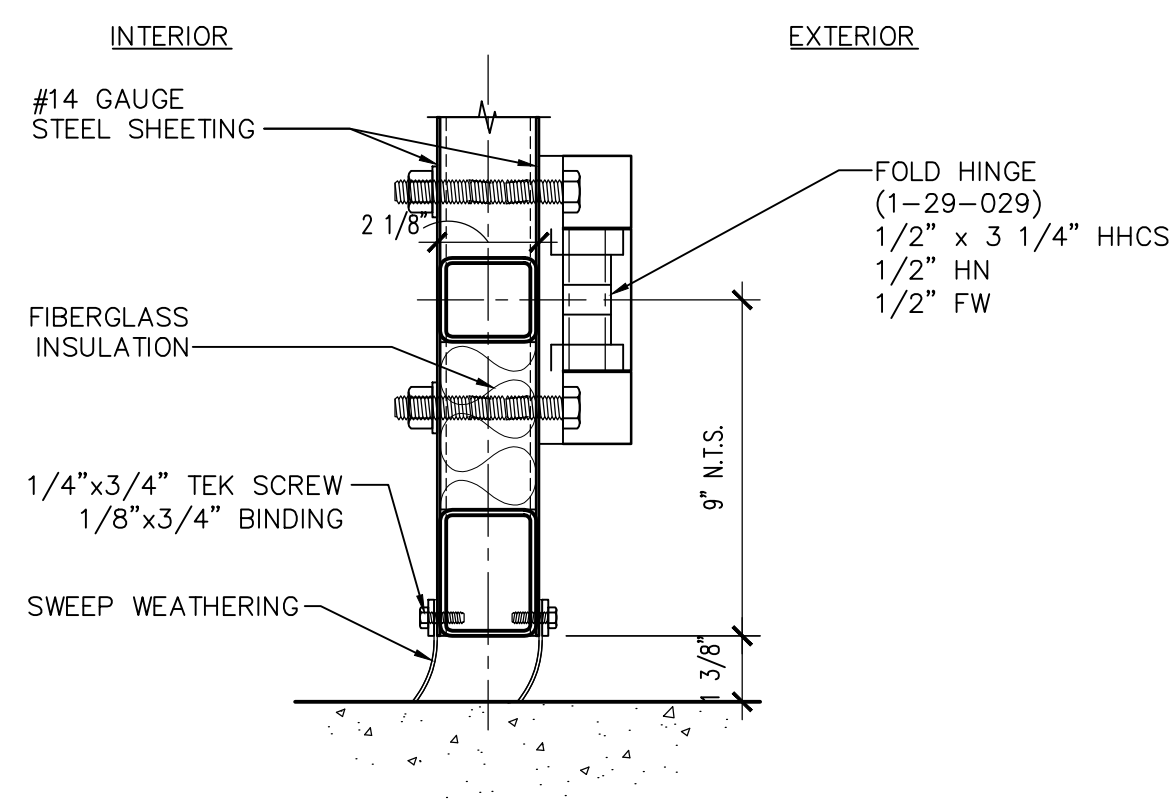


KIVA # **23-1810**
SDEV # **2300473**

DOOR DETAILS
A3.02

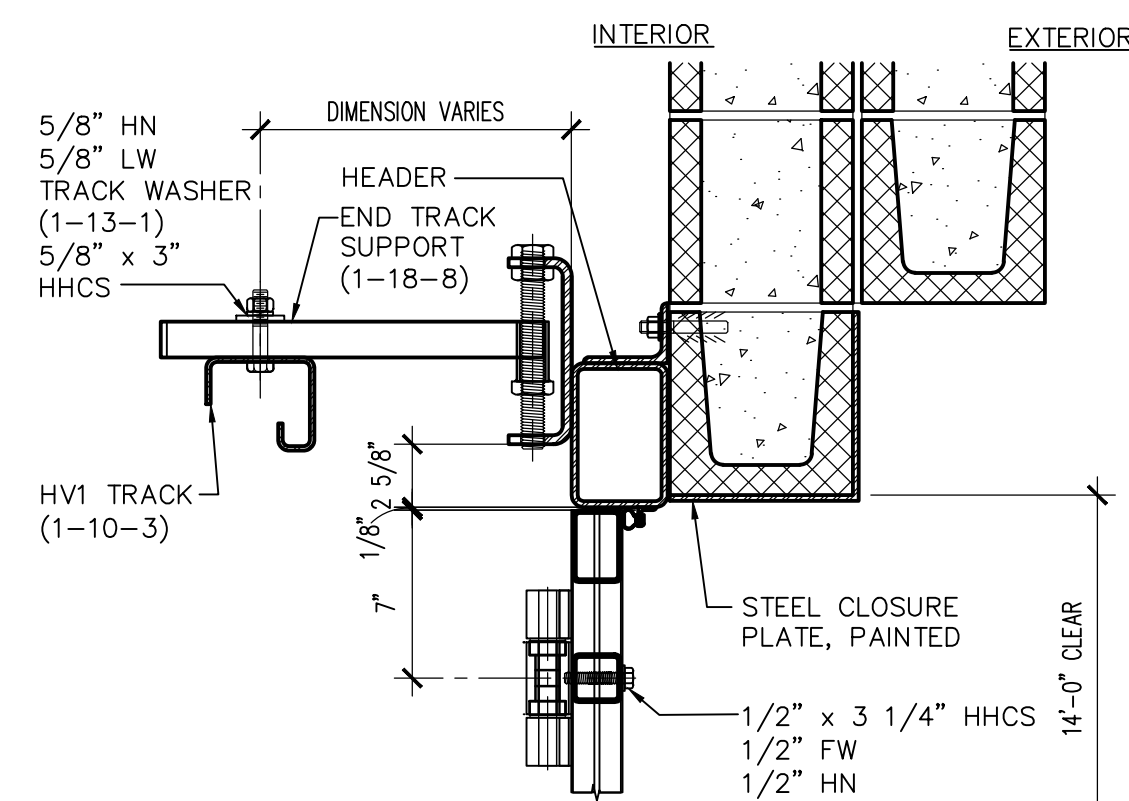
Note:
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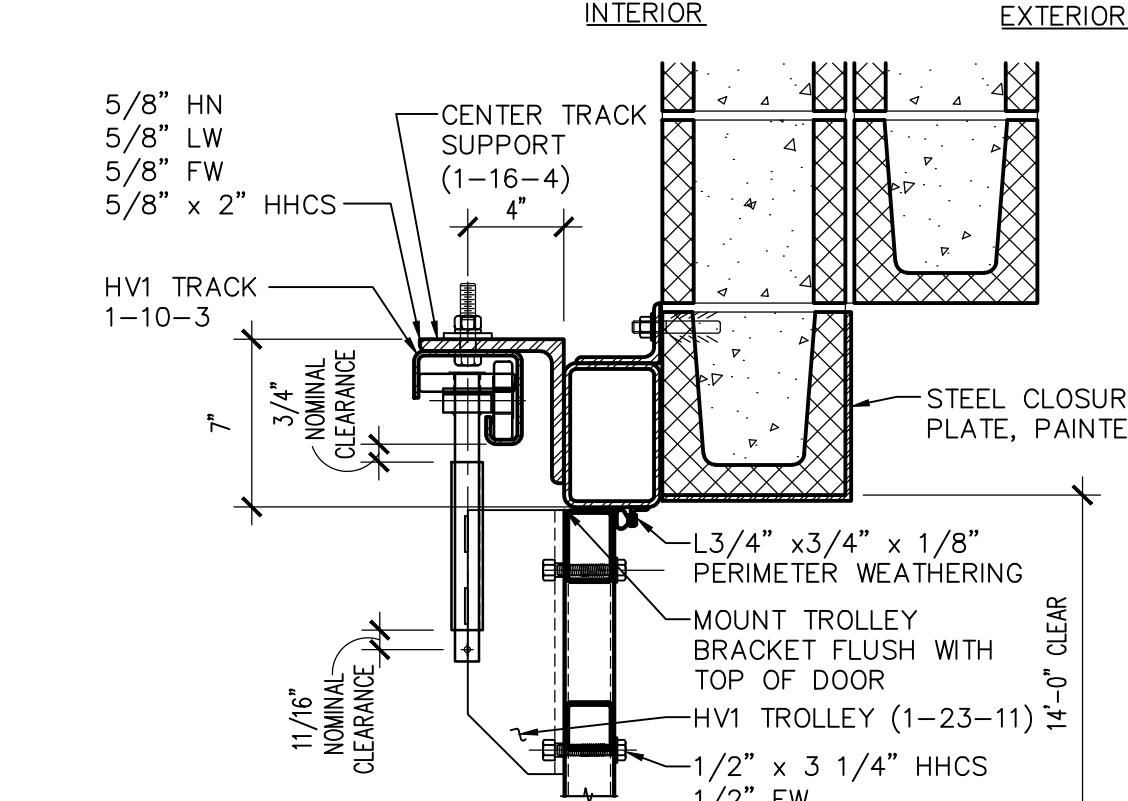
1 BI-FOLD SILL SECTION

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



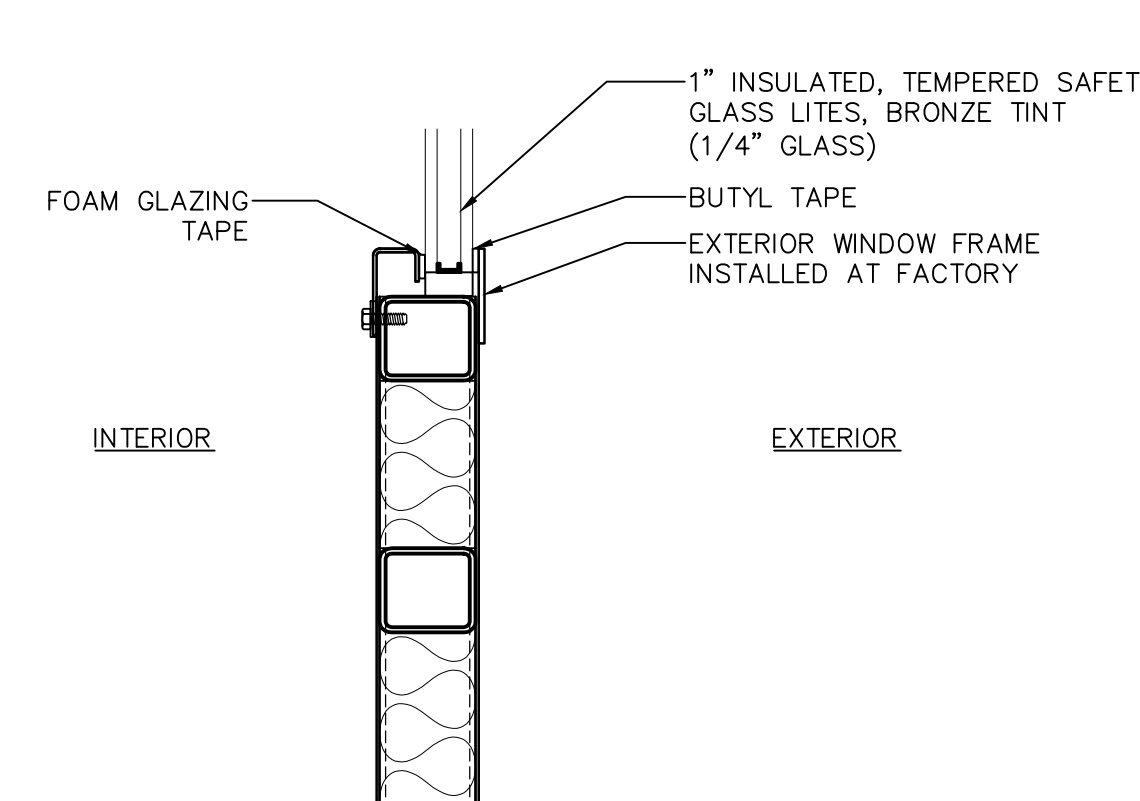
2 BI-FOLD HINGE

SCALE: 3/8" = 1'-0"



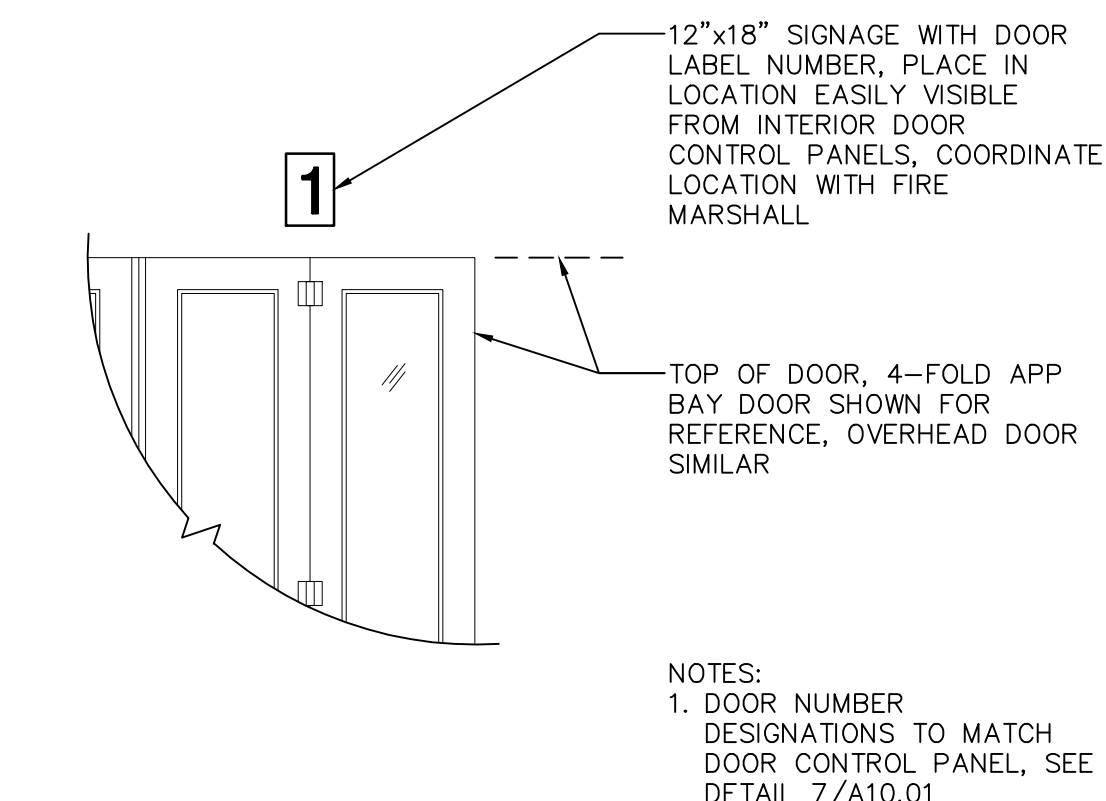
3 BI-FOLD DOOR TROLLEY

SCALE: NTS



4 BI-FOLD WINDOW SECTION

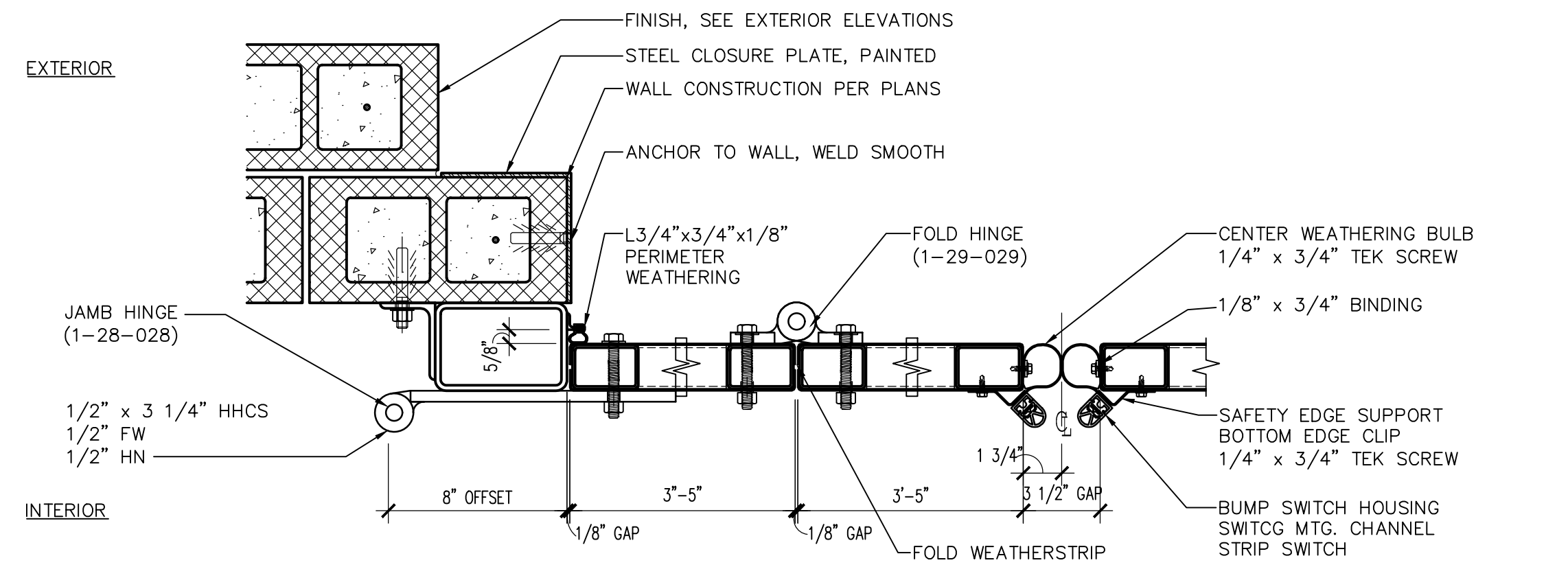
SCALE: 3/4" = 1'-0"



5 DOOR SIGNAGE

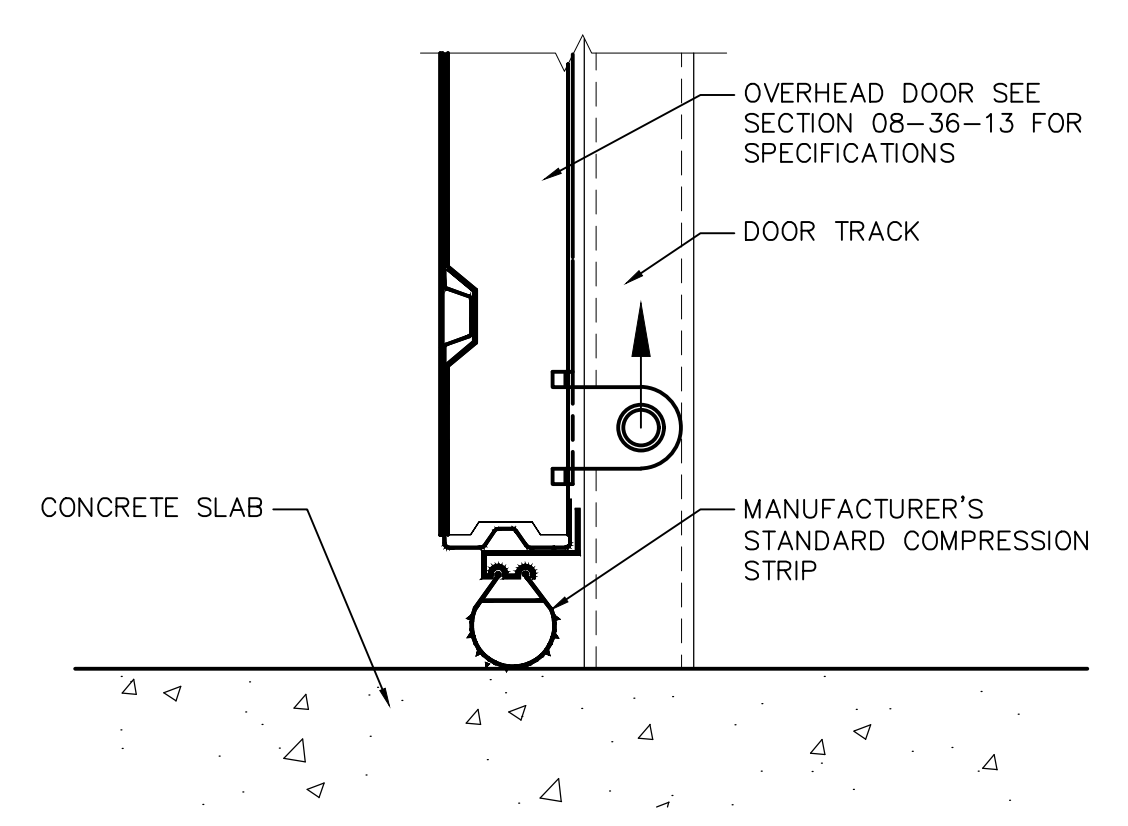
SCALE: 1/4" = 1'-0"

NOTES:
1. DOOR NUMBER DESIGNATIONS TO MATCH DOOR CONTROL PANEL, SEE DETAIL 7/A10.01



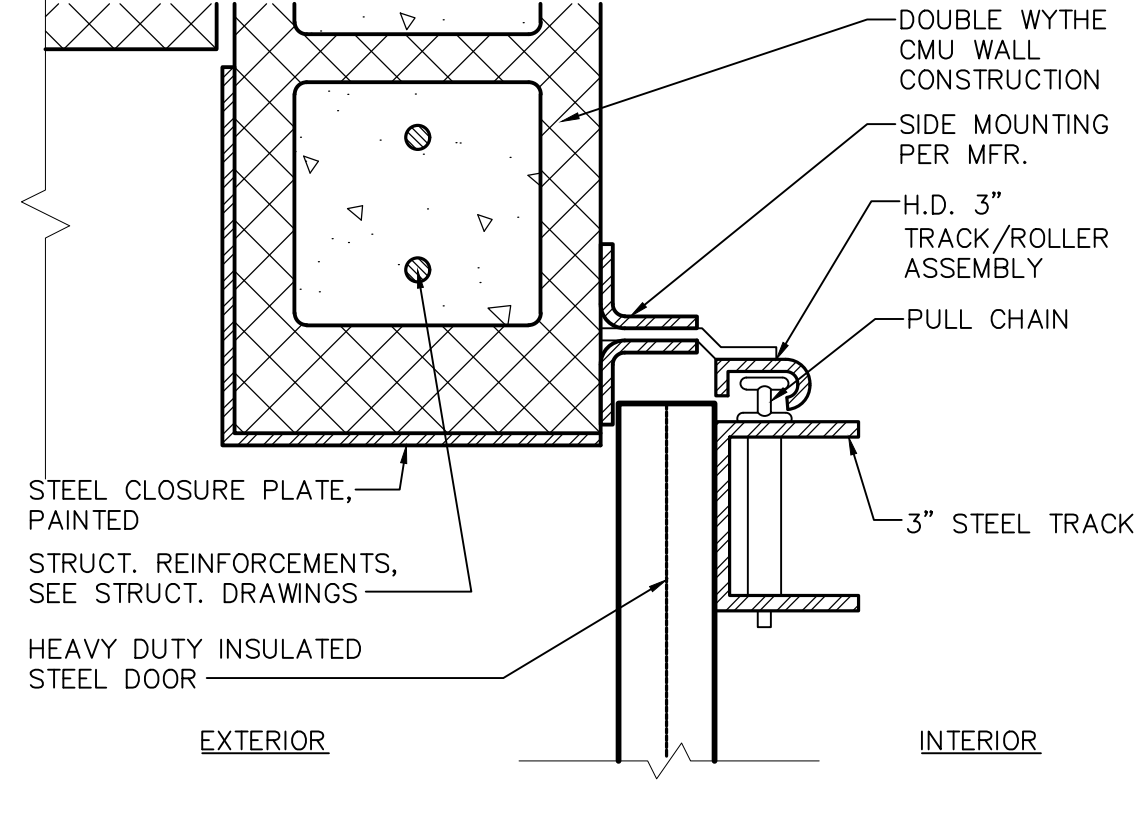
6 BI-FOLD HORIZONTAL SECTION

SCALE: NTS



8 OVERHEAD SILL

SCALE: 3" = 1'-0"



9 OVERHEAD DOOR JAMB

SCALE: 3" = 1'-0"

Revisions	Date
1	5/22/24
CITY COMMENTS	



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Drawn By: TA / RS
Checked By: GA / TA
Date: 12/14/2023
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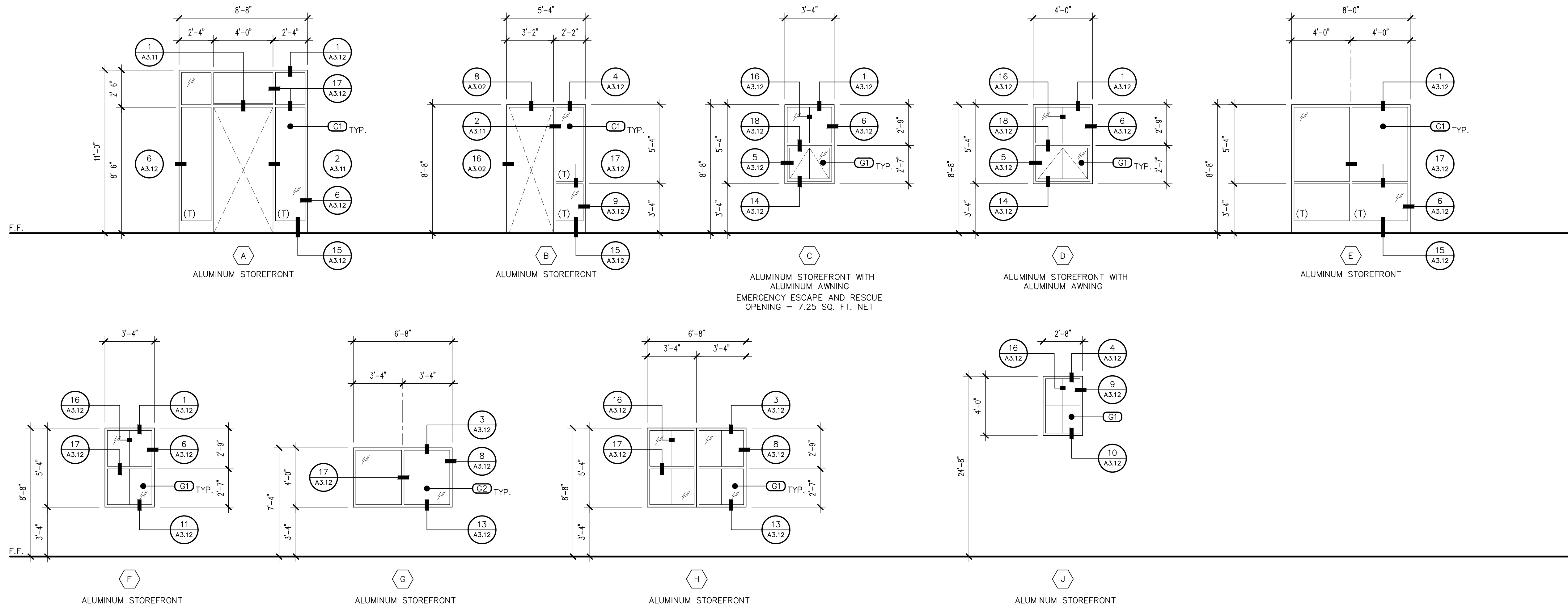
KIVA # **23-1810**
SDEV # **2300473**

DOOR DETAILS
A3.03

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CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

WINDOW TYPES



ABBREVIATIONS

(T) TEMPERED SAFETY GLASS

WINDOW FRAMES

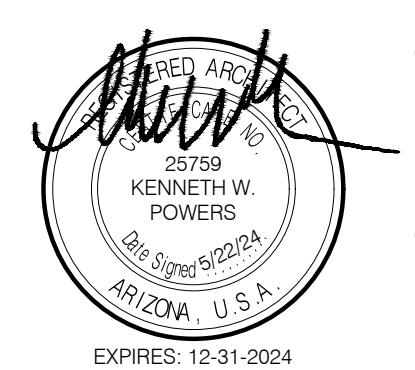
EXTERIOR / INTERIOR ALUMINUM STOREFRONT –
MFR: ARCADIA OR EQUAL
FRAME: AG451 SERIES (NON-THERMAL) CENTER
GLAZED SYSTEM
COLOR: AC-2 CLEAR ANODIZED

EXTERIOR ALUMINUM AWNING –
MFR: ARCADIA OR EQUAL
FRAME: N200 SERIES (NON-THERMAL)
COLOR: AC-2 CLEAR ANODIZED

GLAZING

#	DESCRIPTION
G1	1" INSULATING GLASS UNIT: EXTERIOR: 1/4" PPG SOLARBAN 70 (2) SOLARGRAY GLASS AIRSPACE: 1/2"
G2	1" INSULATING GLASS UNIT: EXTERIOR: 1/4" CLEAR GLASS AIRSPACE: 1/2"

Revisions	Date
△ CITY COMMENTS	5/22/24



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Date:
12/14/2023

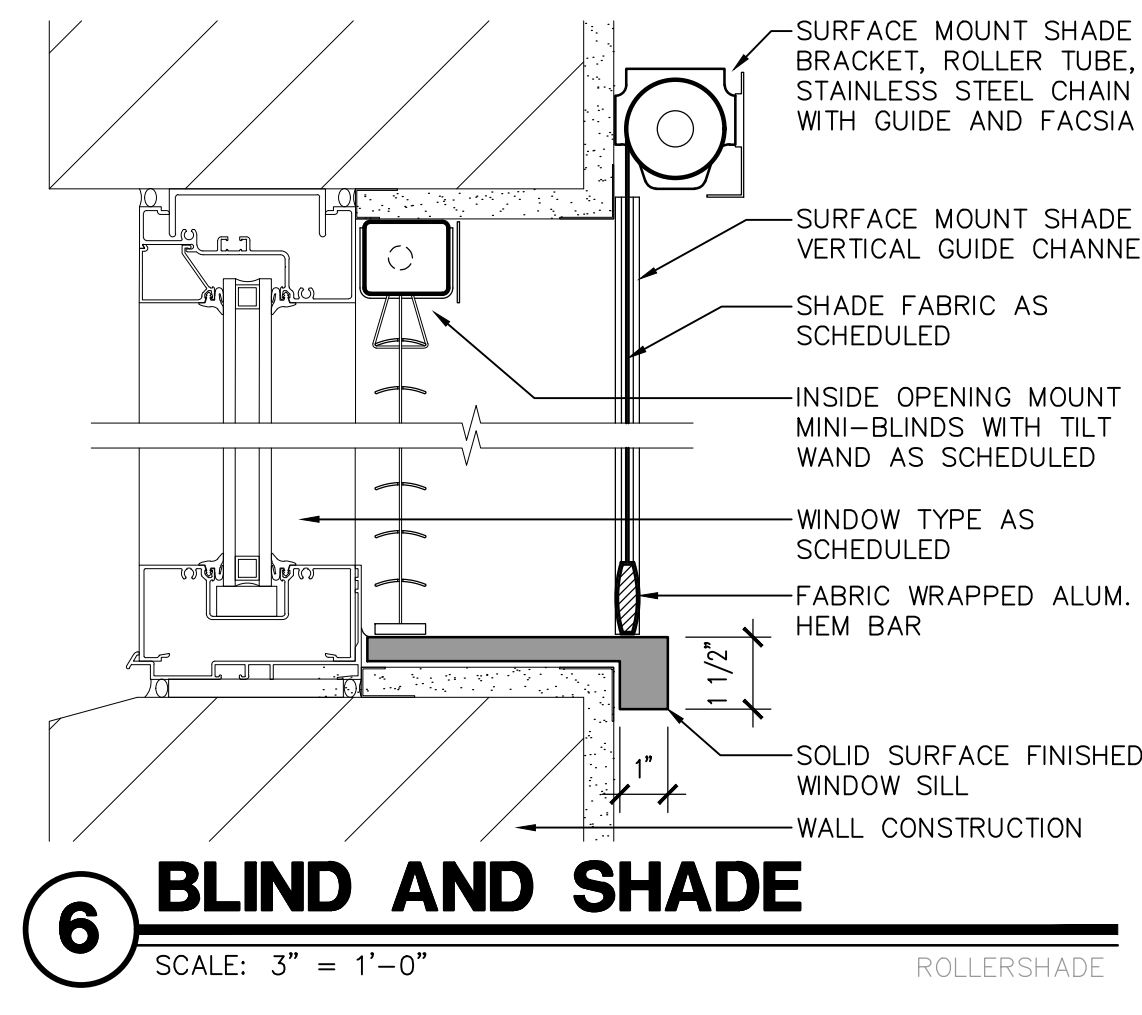
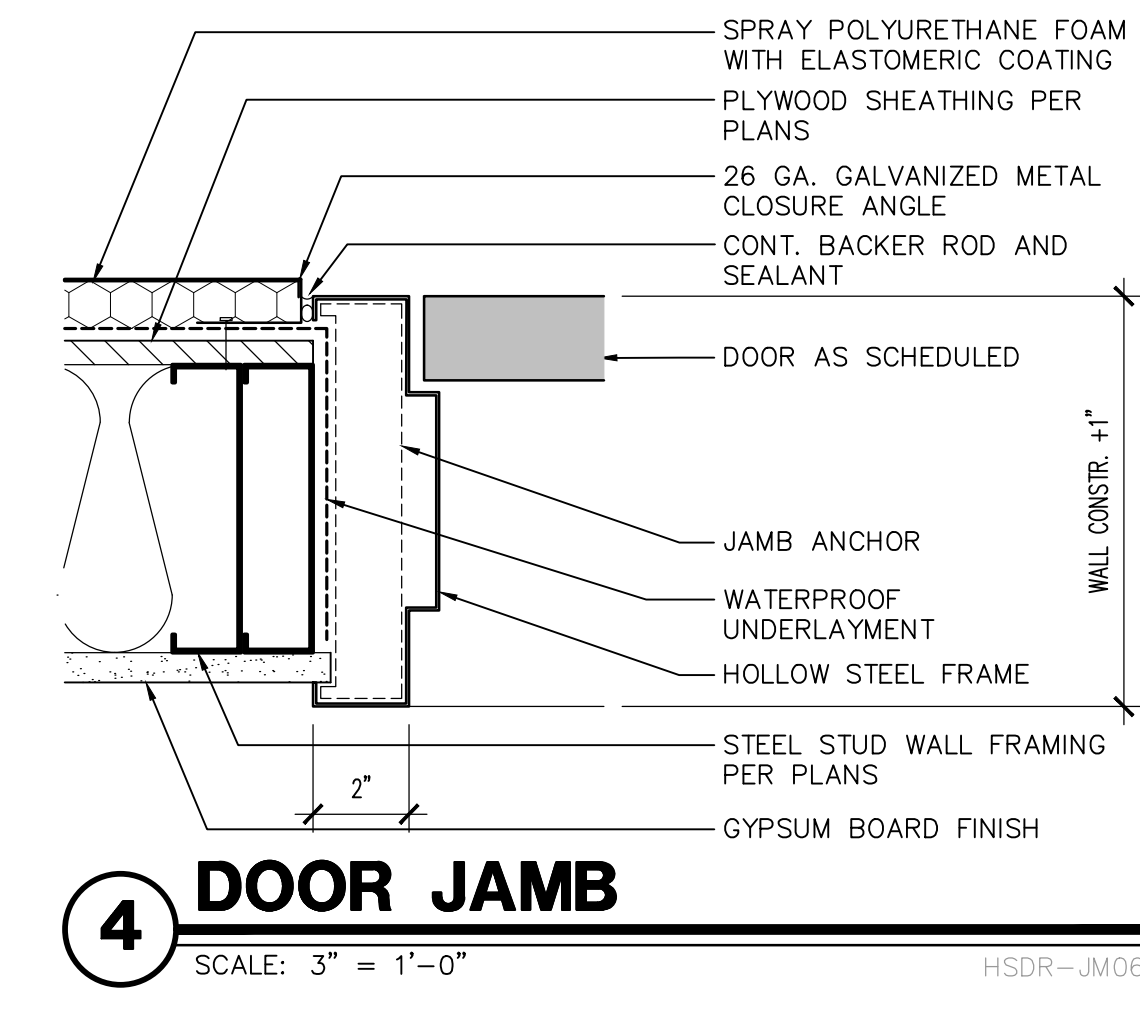
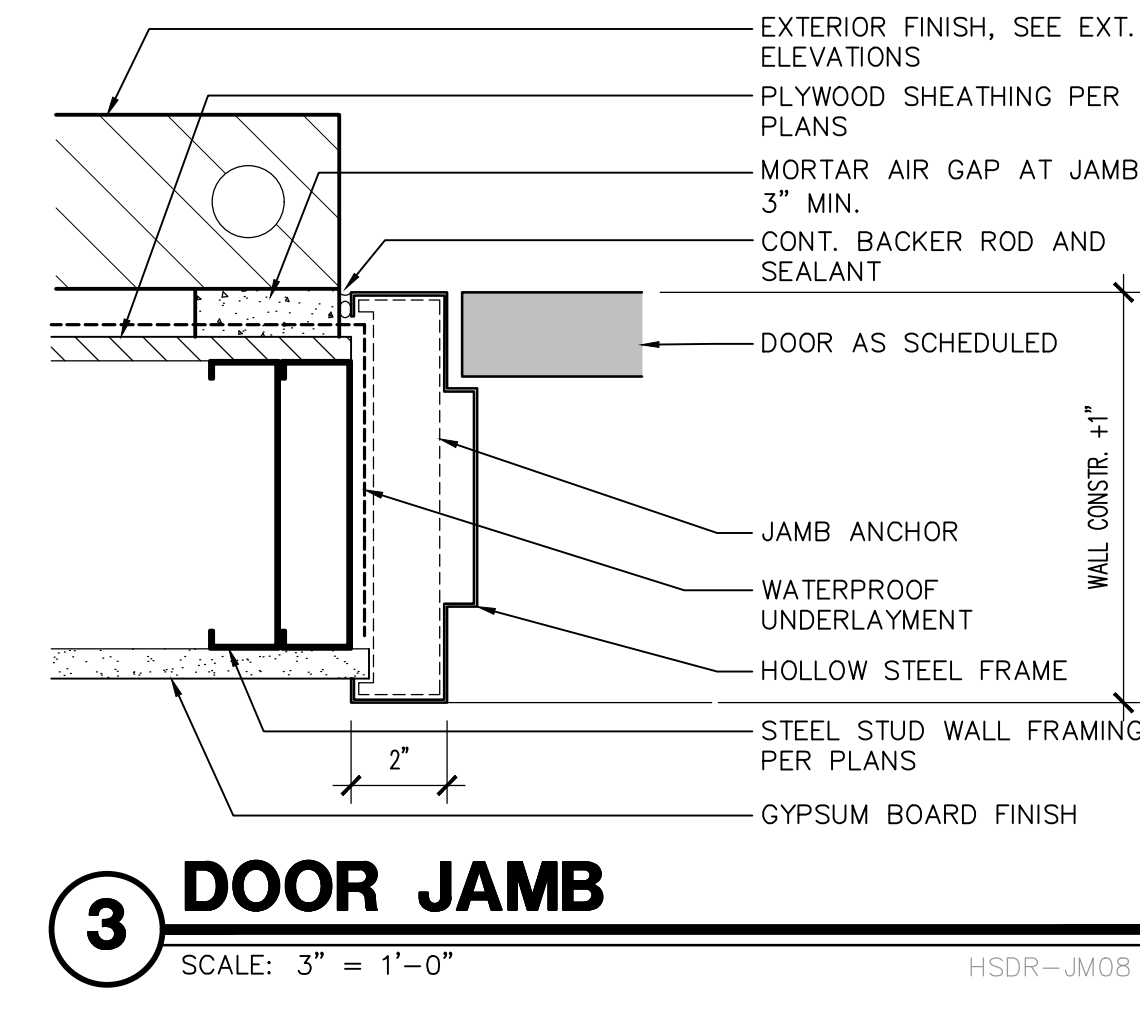
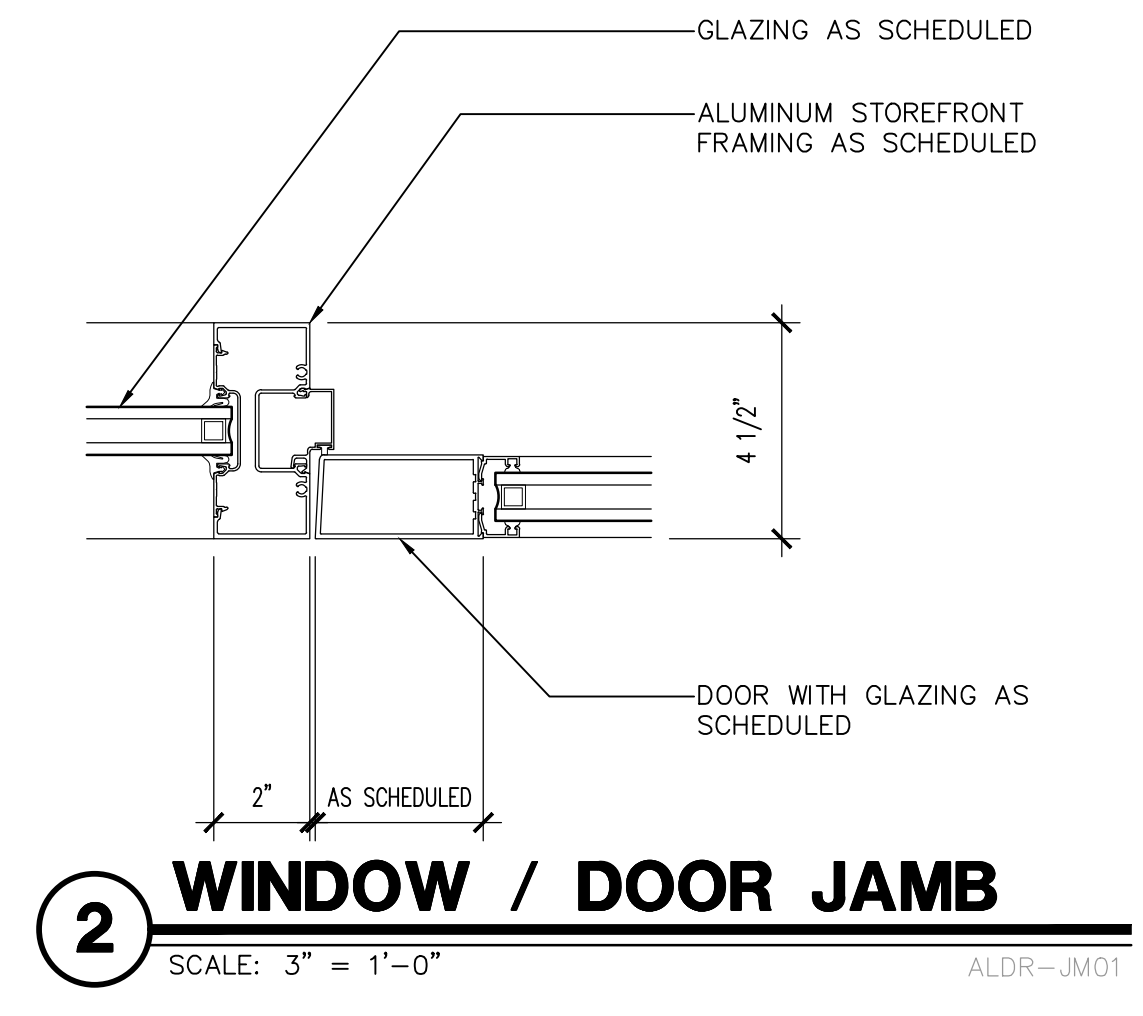
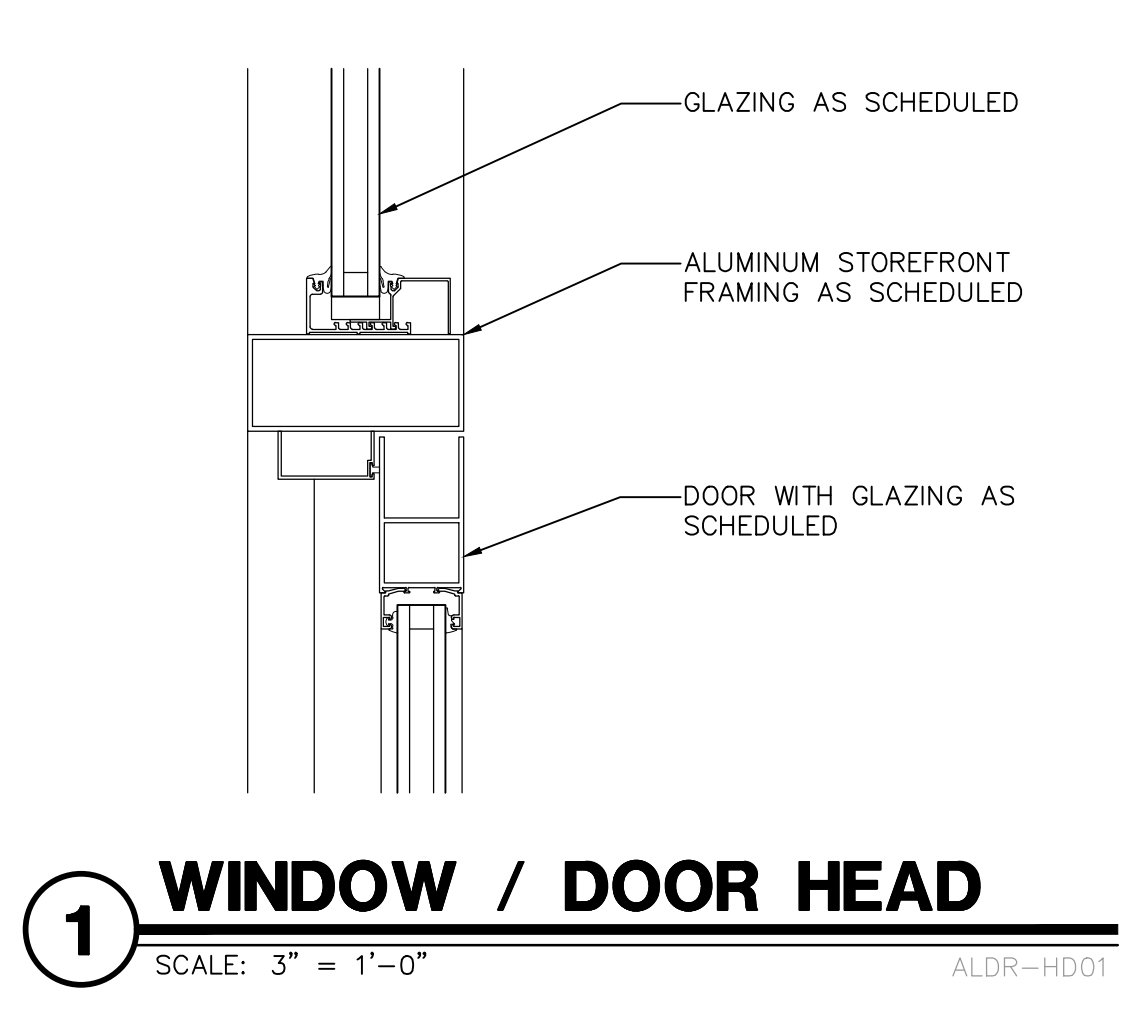
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SDEV # 2300473

WINDOW SCHEDULE AND DETAILS
A3.11

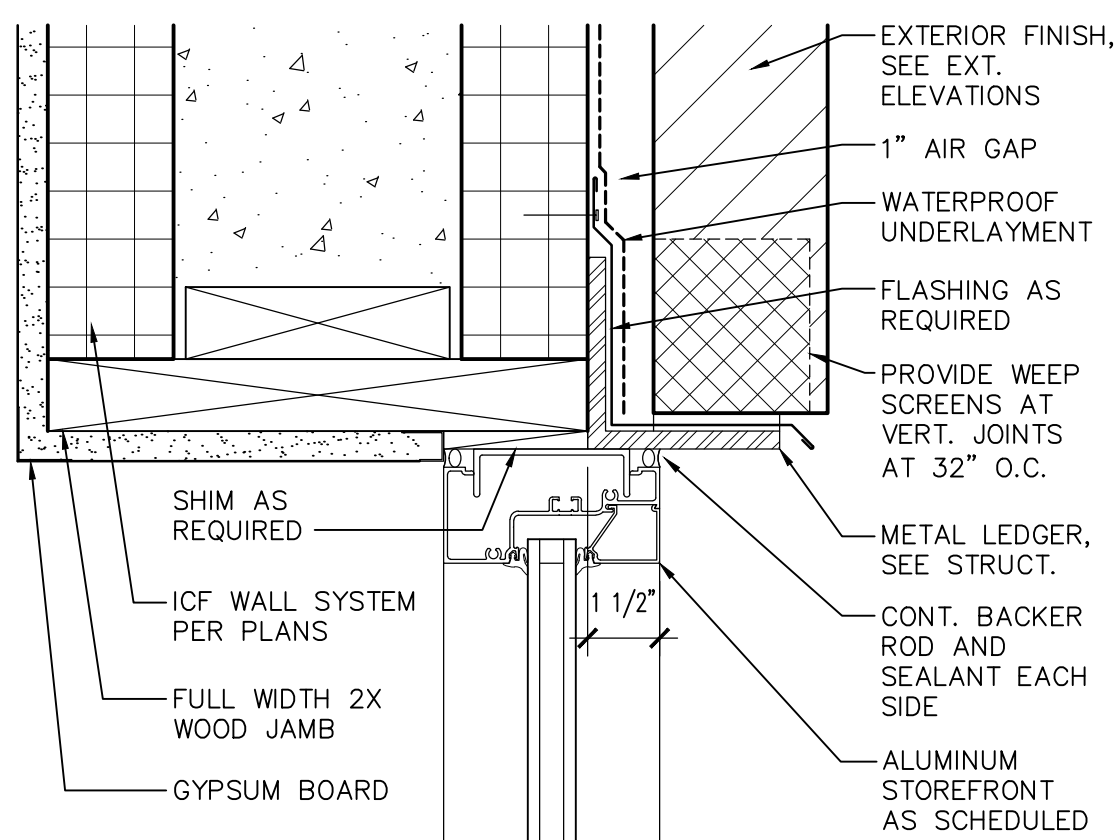


GENERAL NOTES

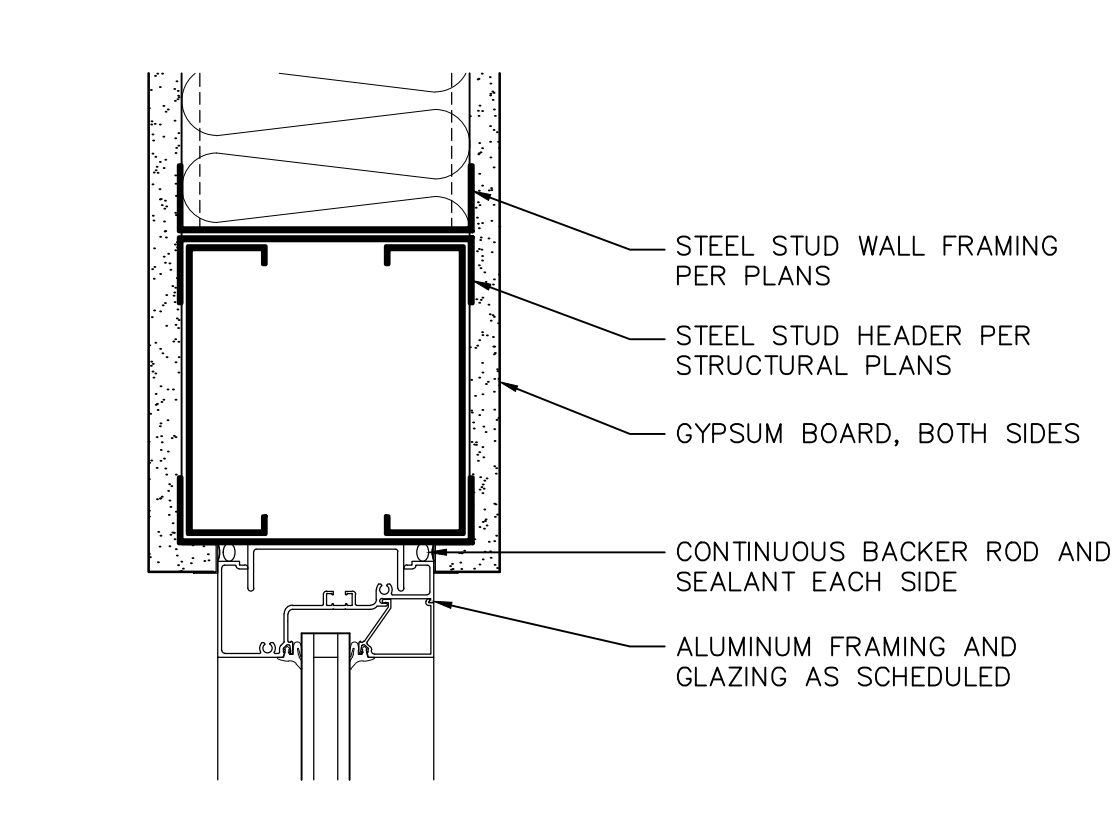
- WINDOW TYPES SHOWN TO BE USED AS REFERENCE ONLY.
- ALL GLAZING IN HAZARDOUS LOCATIONS SHALL COMPLY WITH IBC SECTION 2406.4.
- PRIOR TO CONSTRUCTION, VERIFY WITH WINDOW MANUFACTURER ALL WINDOW SIZES AND ROUGH OPENING SIZES REQUIRED FOR PROPER INSTALLATION.
- SEE PLANS FOR WINDOW BLIND LOCATIONS.
- REFER TO PLANS FOR ROLLER SHADE DEVICE LOCATIONS.

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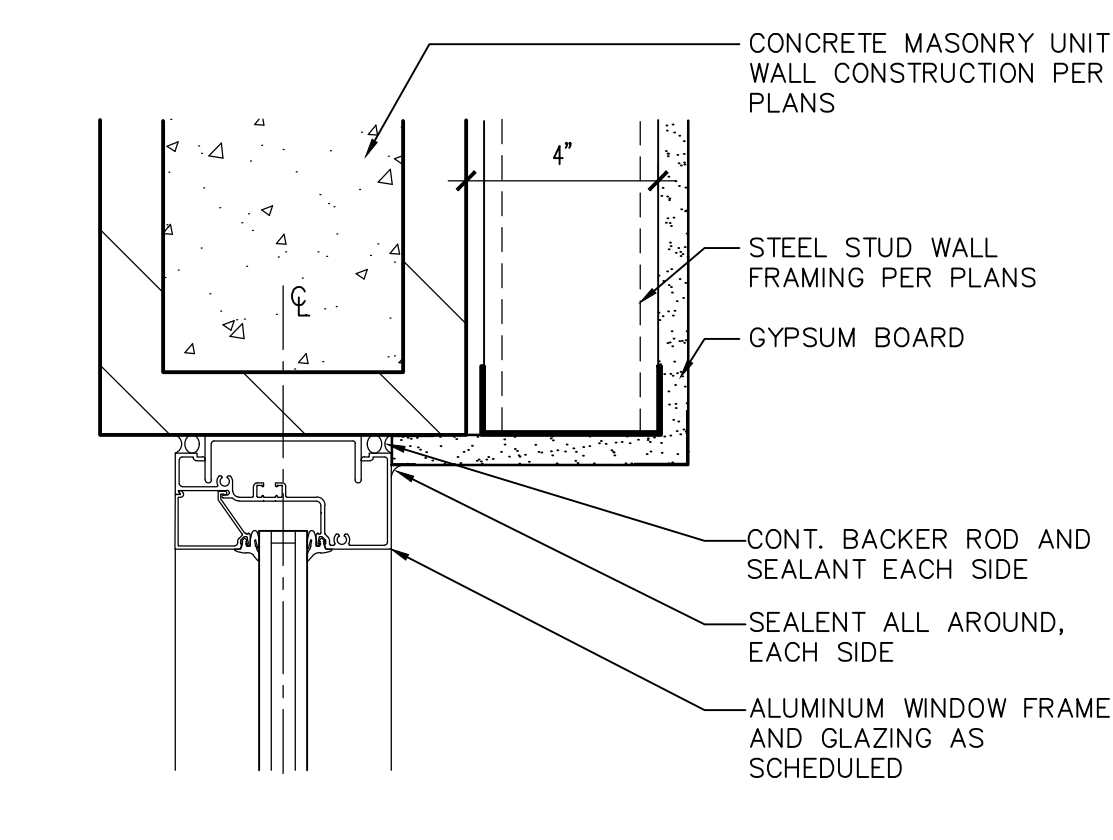
CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL



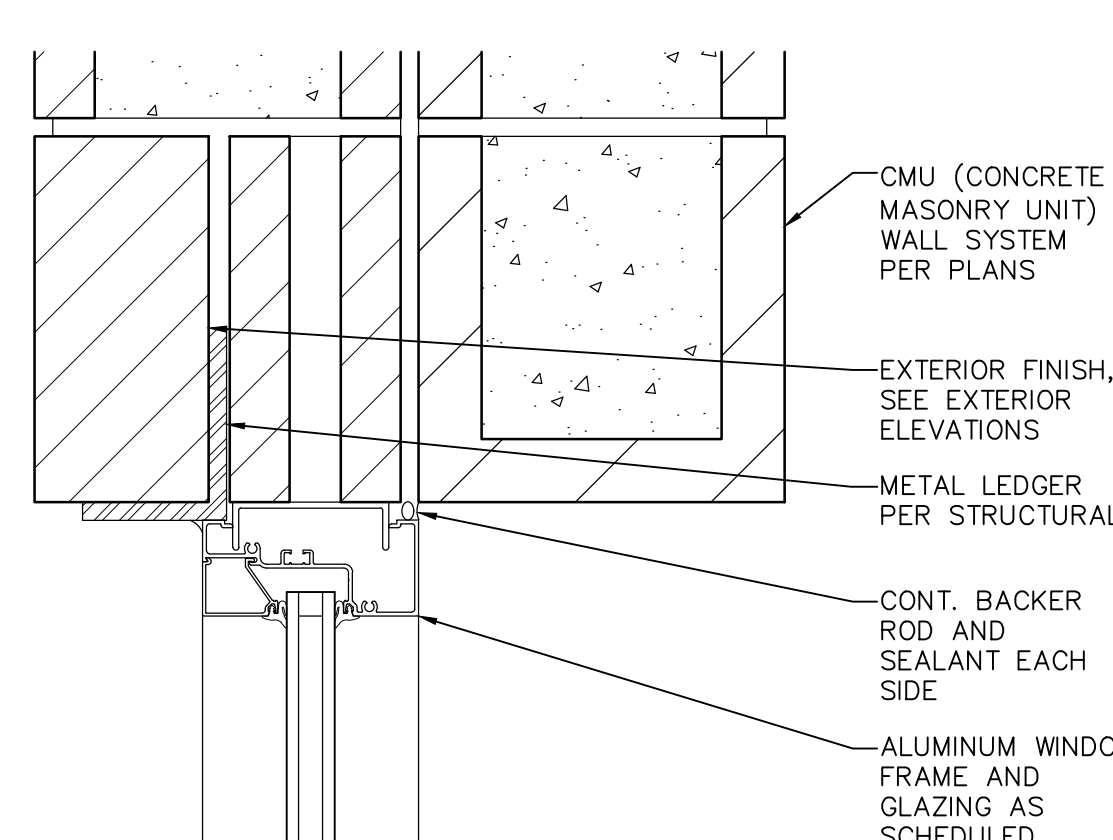
1 ALUM. STOREFRONT HEAD
SCALE: 3" = 1'-0" ALWD-HD02



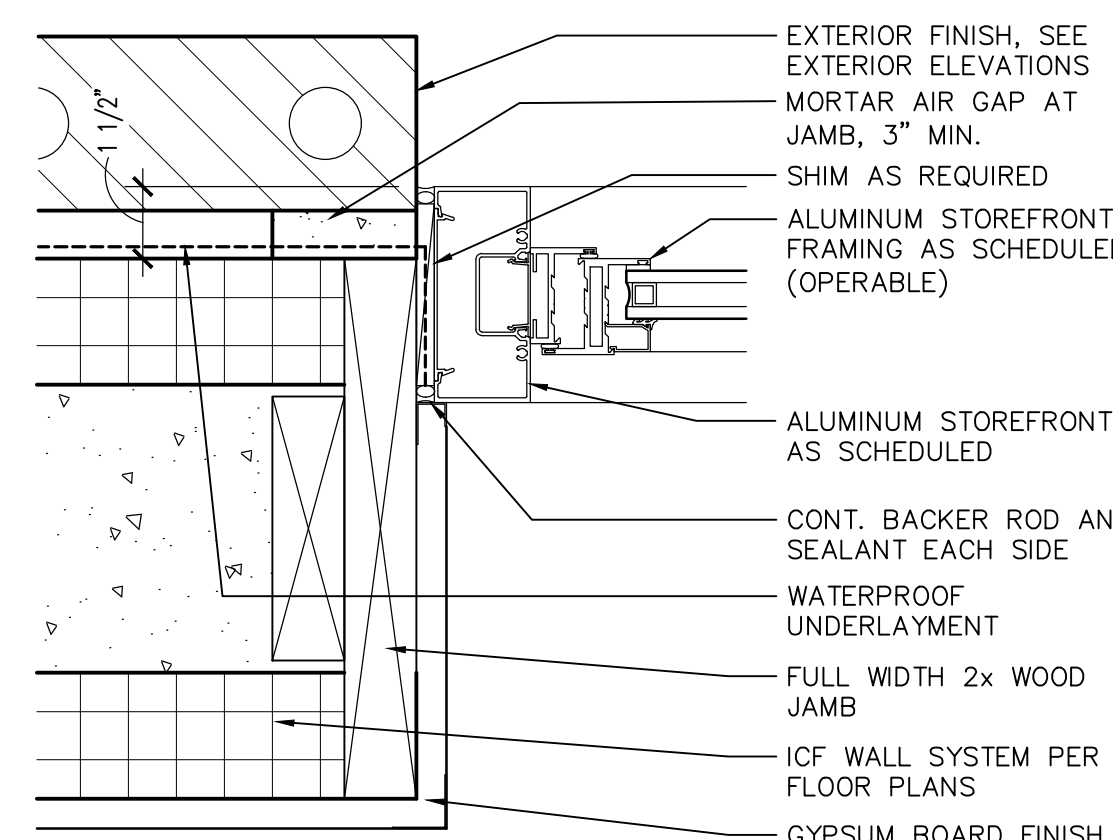
2 WINDOW HEAD
SCALE: 3" = 1'-0" ALWD-HD01



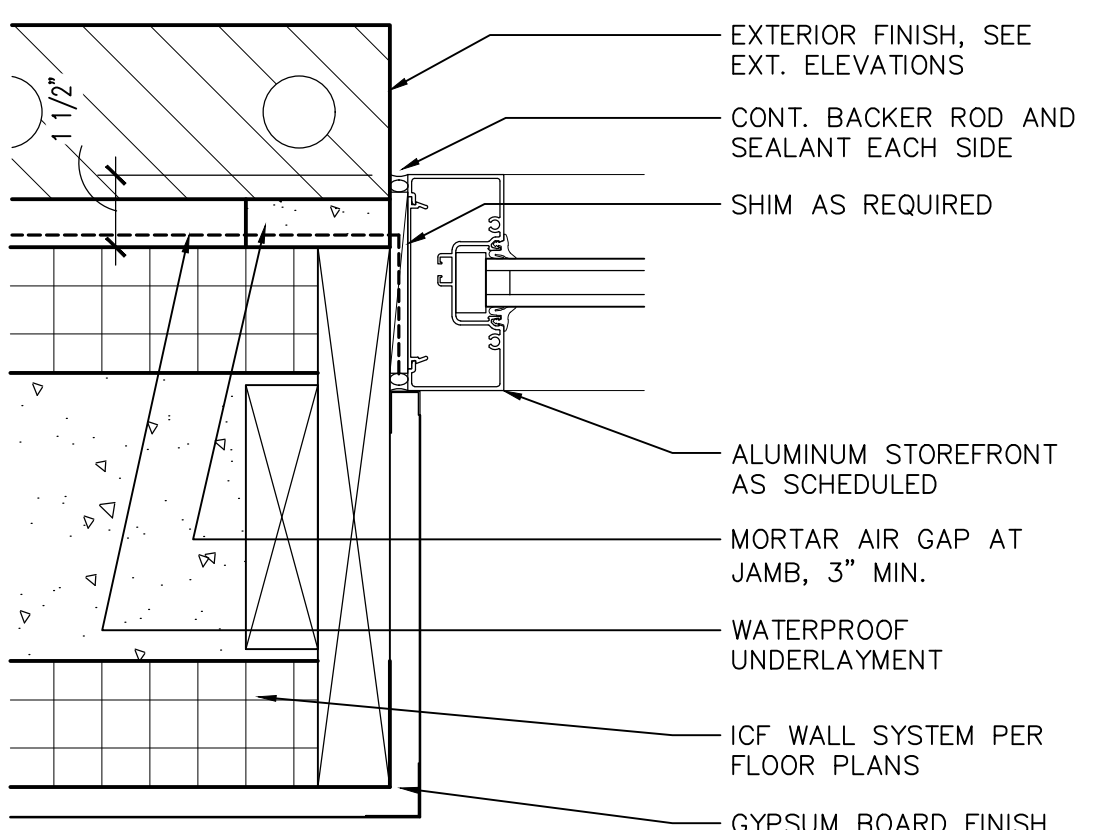
3 WINDOW HEAD
SCALE: 3" = 1'-0" ALWD-HD03



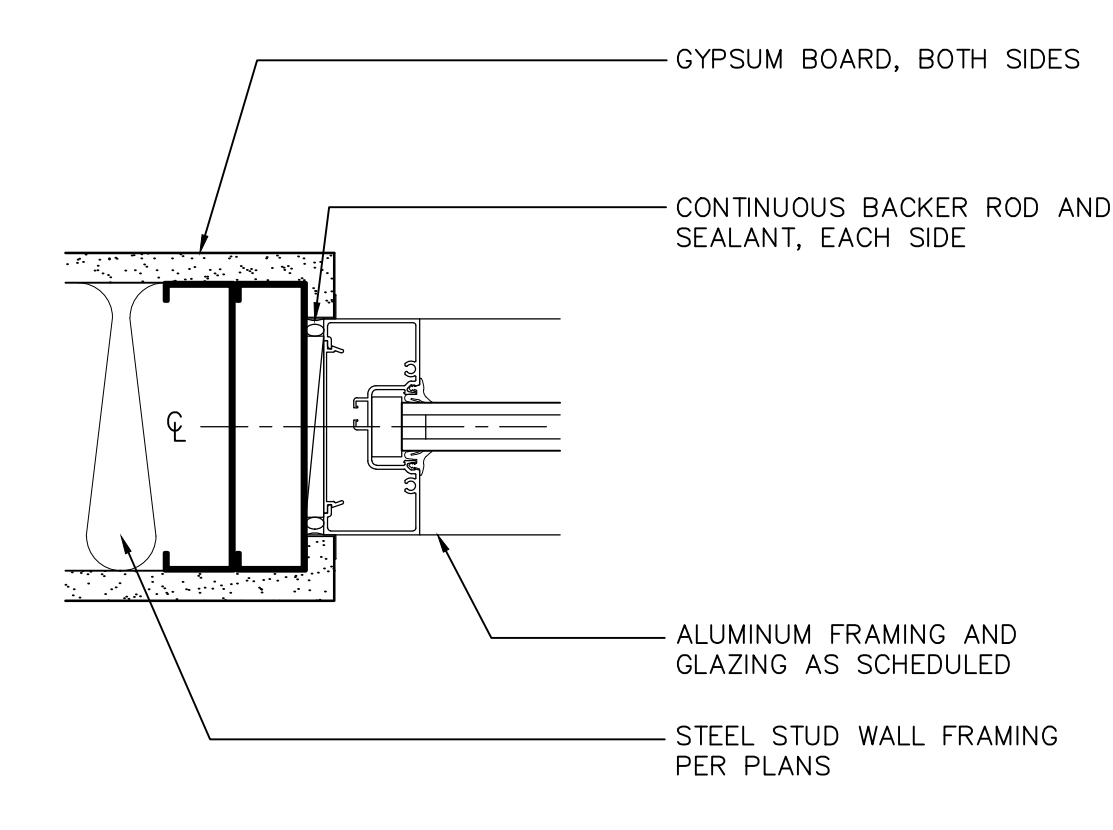
4 WINDOW HEAD
SCALE: 3" = 1'-0" ALWD-HD05



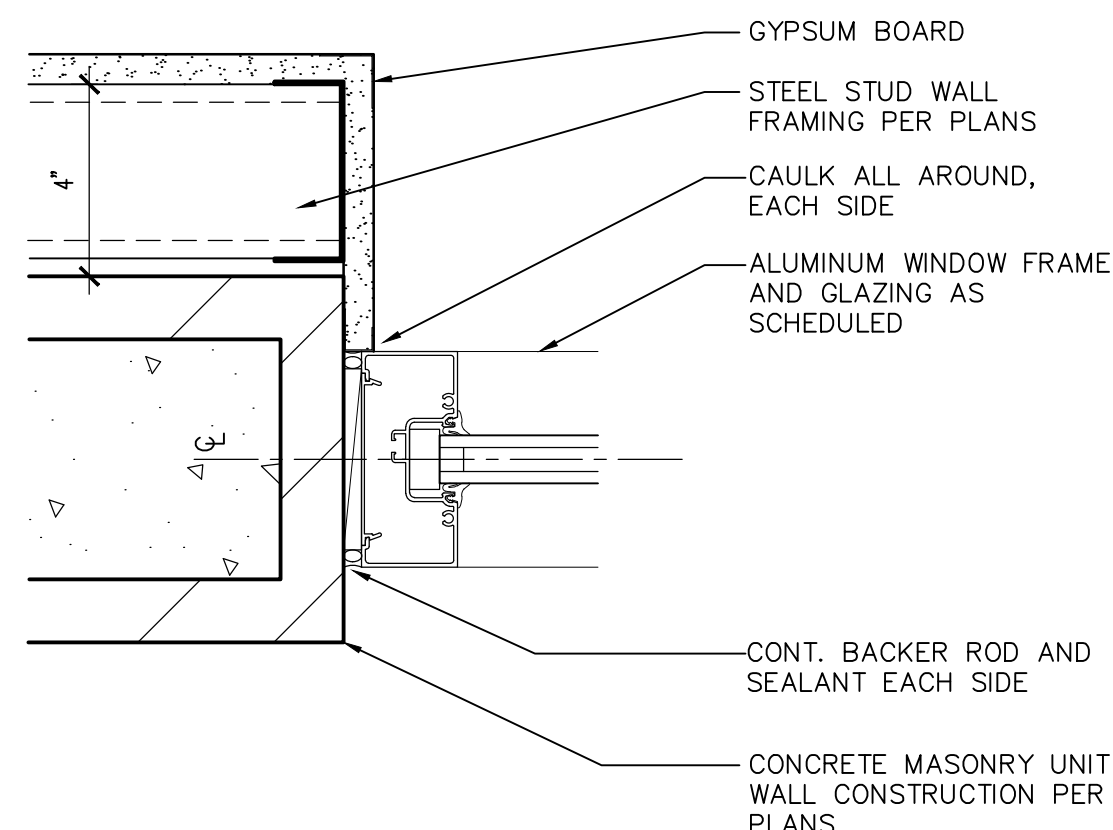
5 WINDOW JAMB
SCALE: 3" = 1'-0" ALWD-JM09



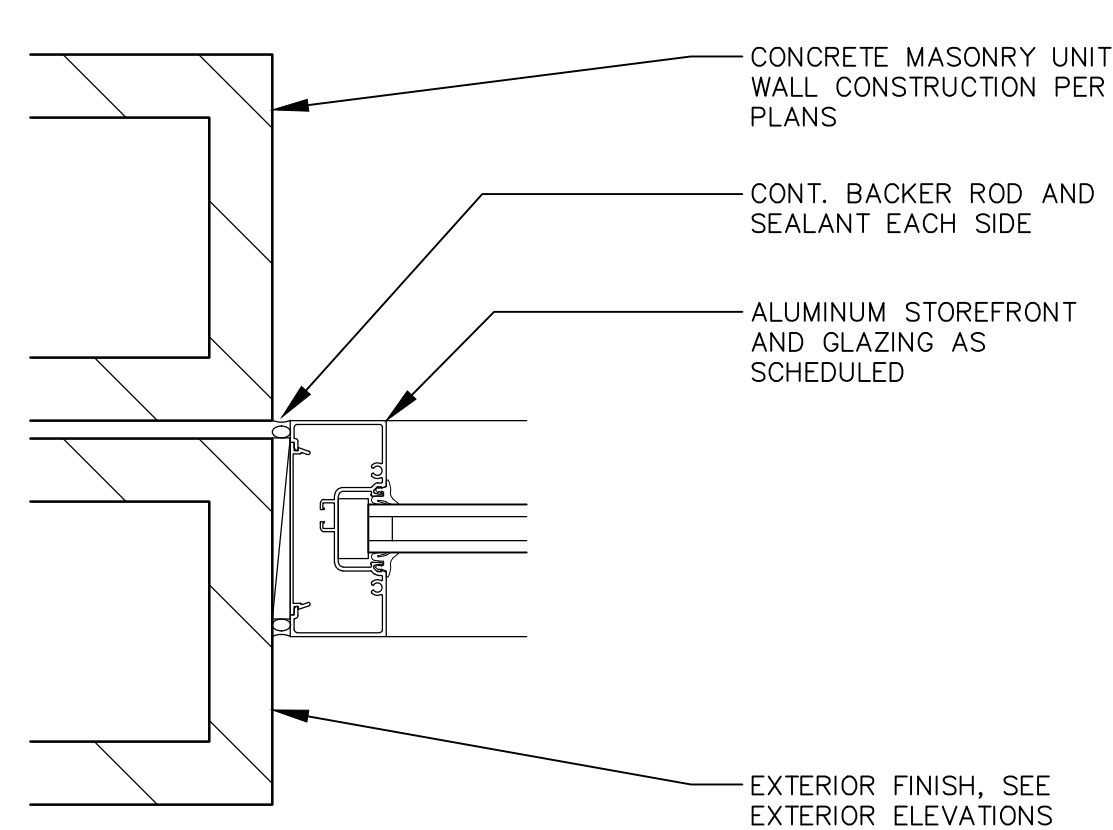
6 ALUM. STOREFRONT JAMB
SCALE: 3" = 1'-0" ALWD-JM02



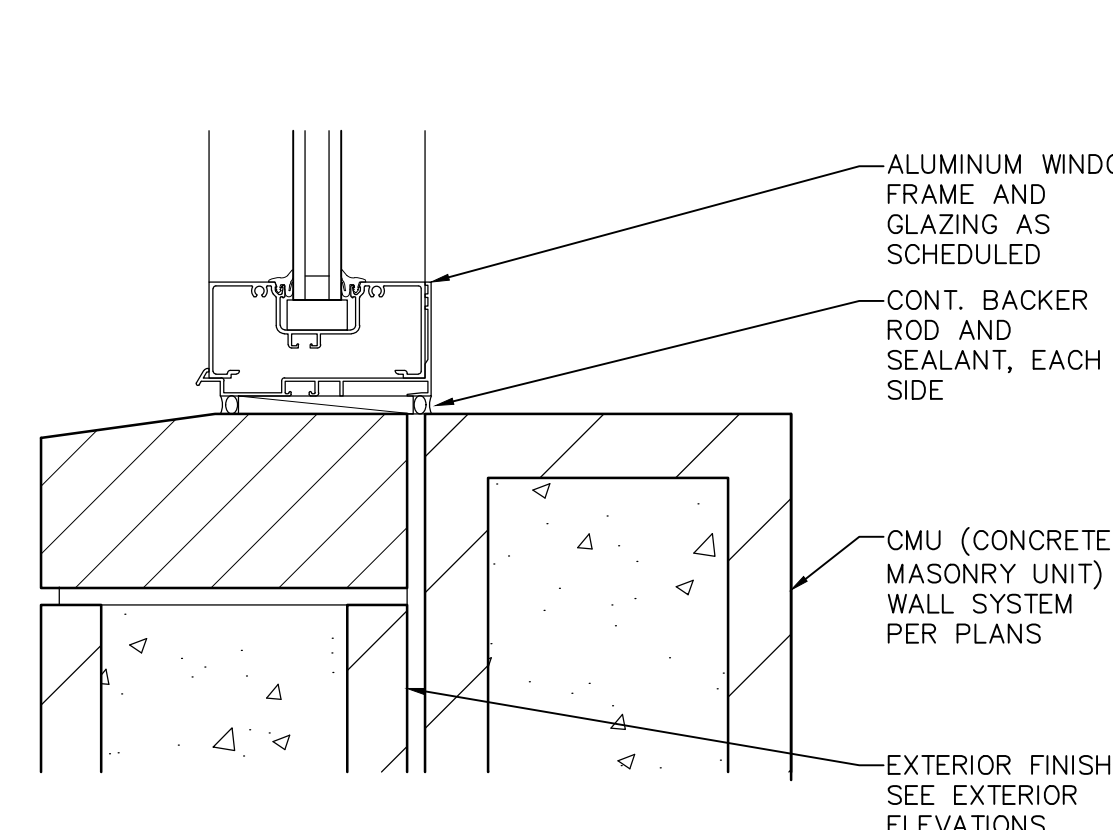
7 ALUM. WINDOW JAMB
SCALE: 3" = 1'-0" ALWD-JM03



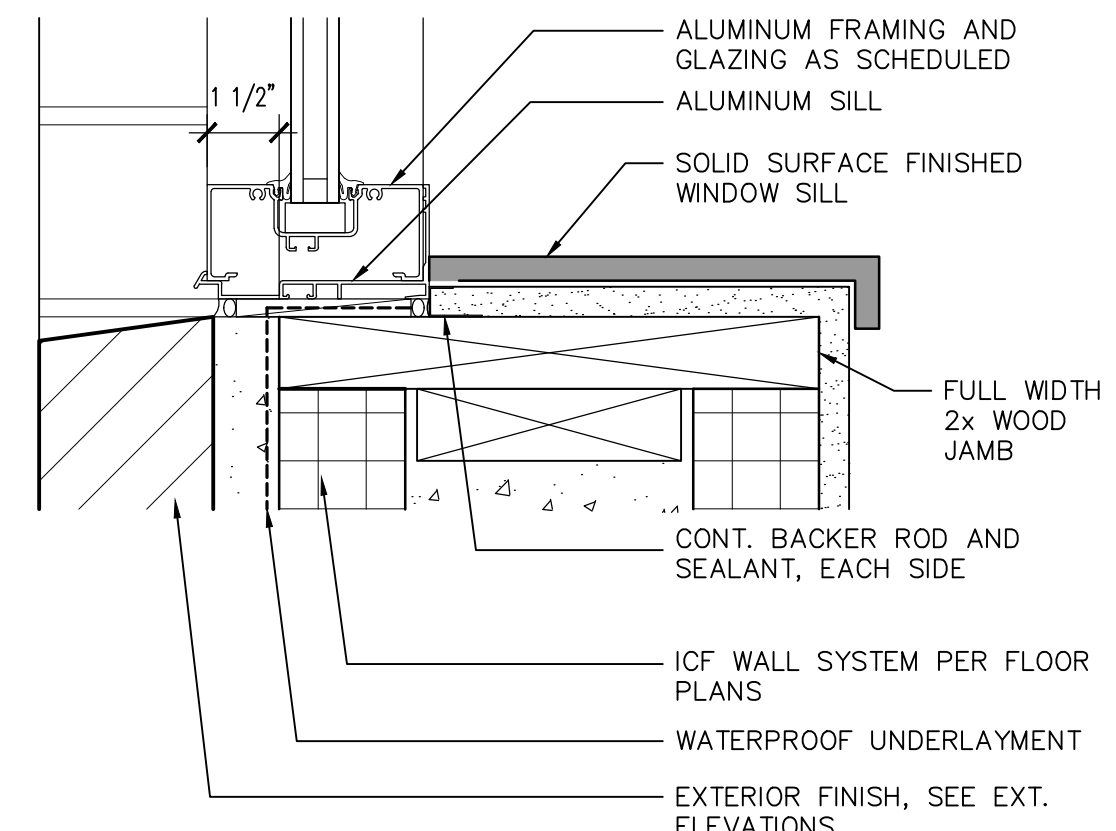
8 WINDOW JAMB
SCALE: 3" = 1'-0" ALWD-JM04



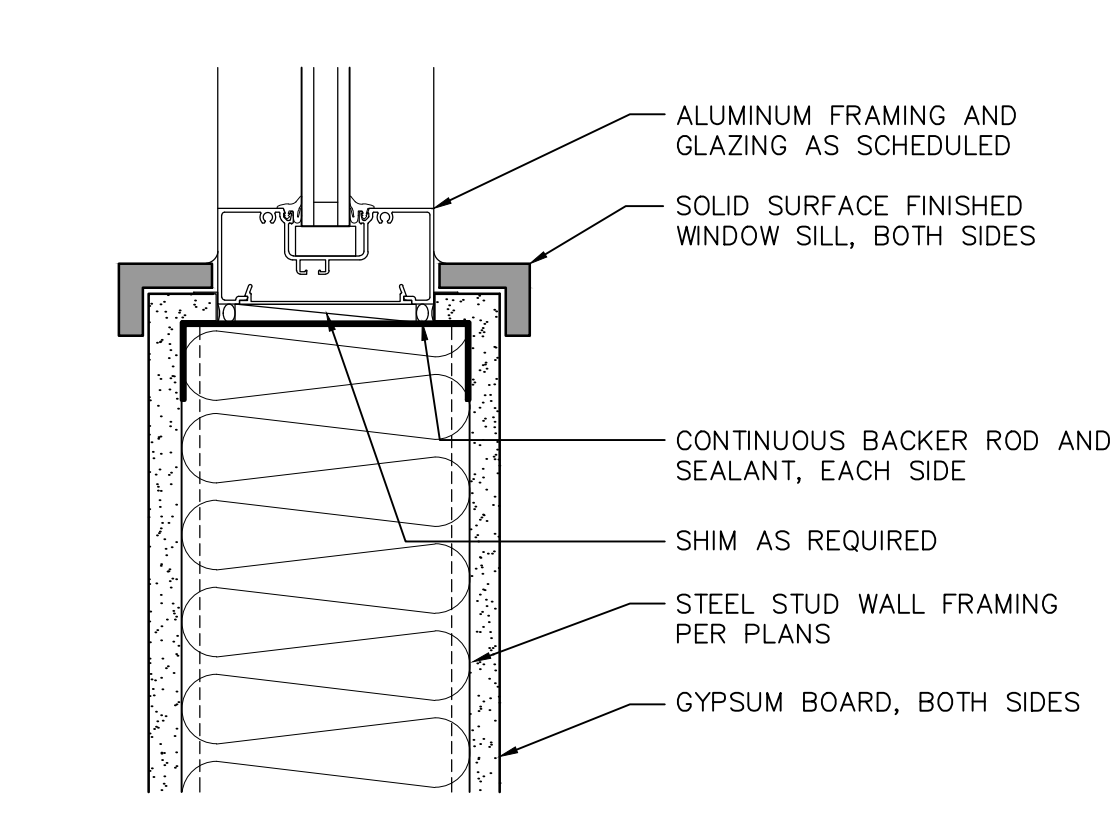
9 WINDOW JAMB
SCALE: 3" = 1'-0" ALWD-JM01



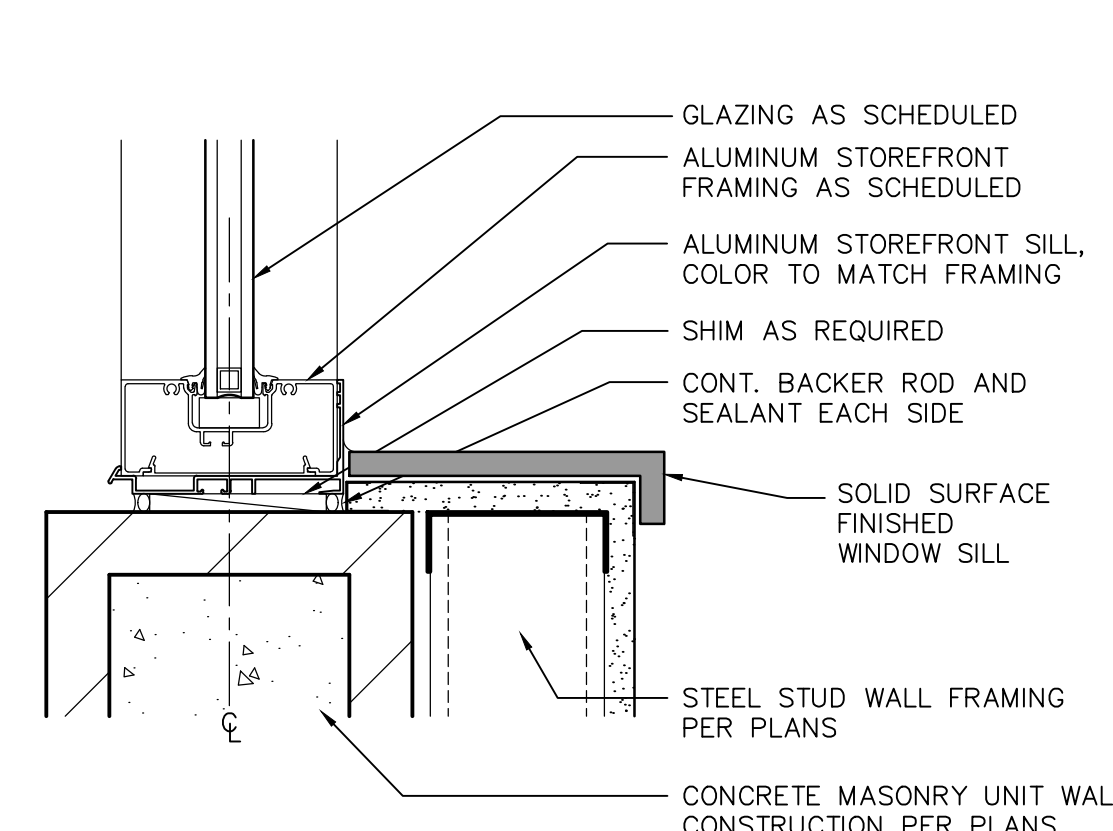
10 WINDOW SILL
SCALE: 3" = 1'-0" ALWD-SL10



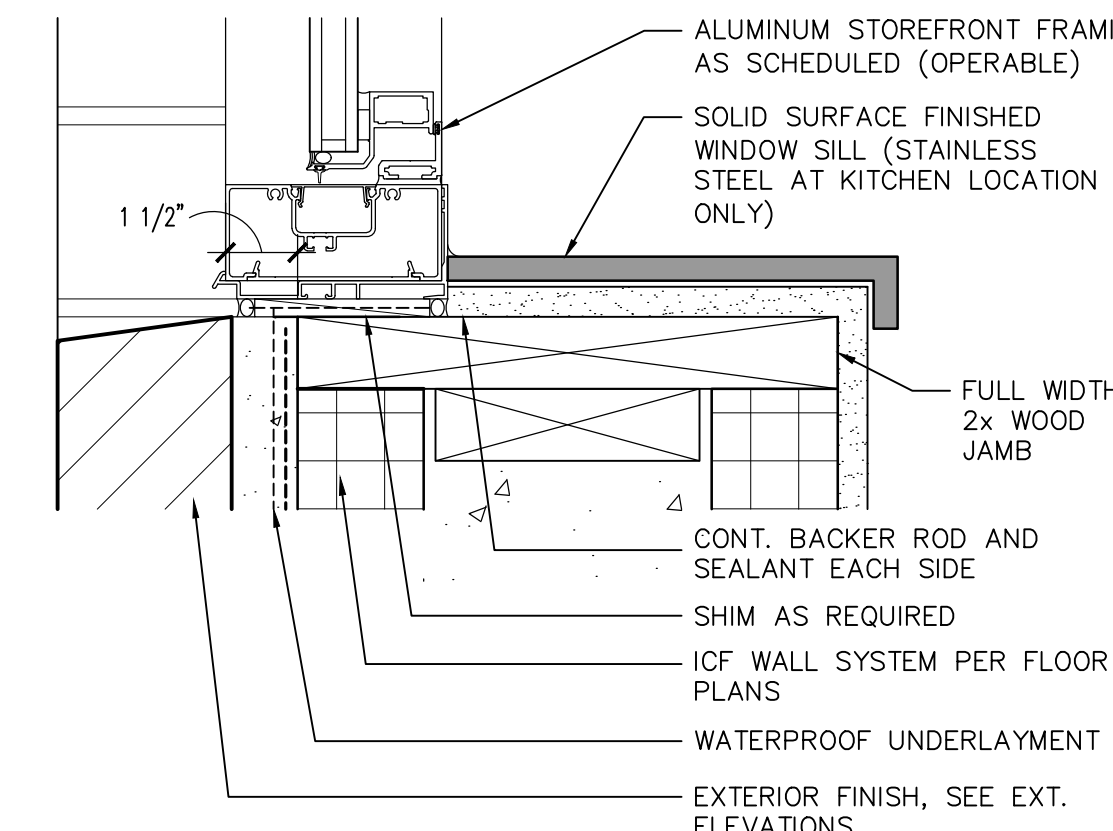
11 ALUM. WINDOW SILL
SCALE: 3" = 1'-0" ALWD-SL01



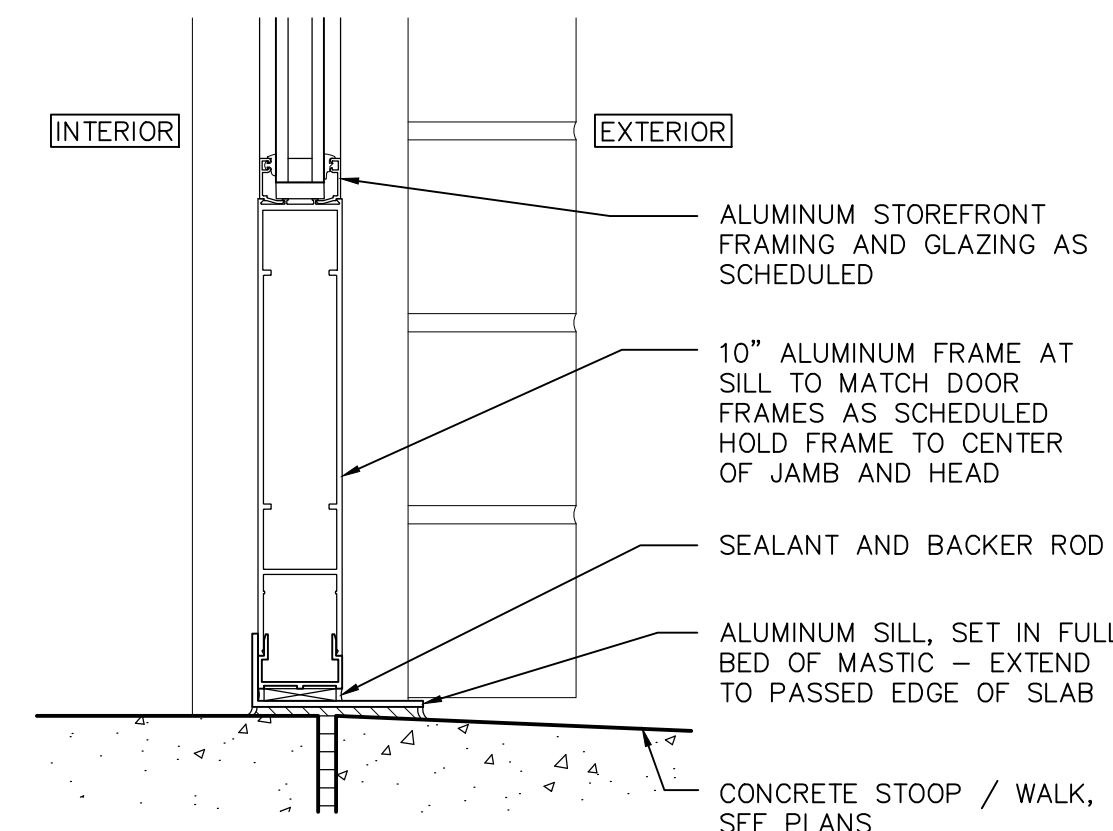
12 WINDOW SILL
SCALE: 3" = 1'-0" ALWD-SL07



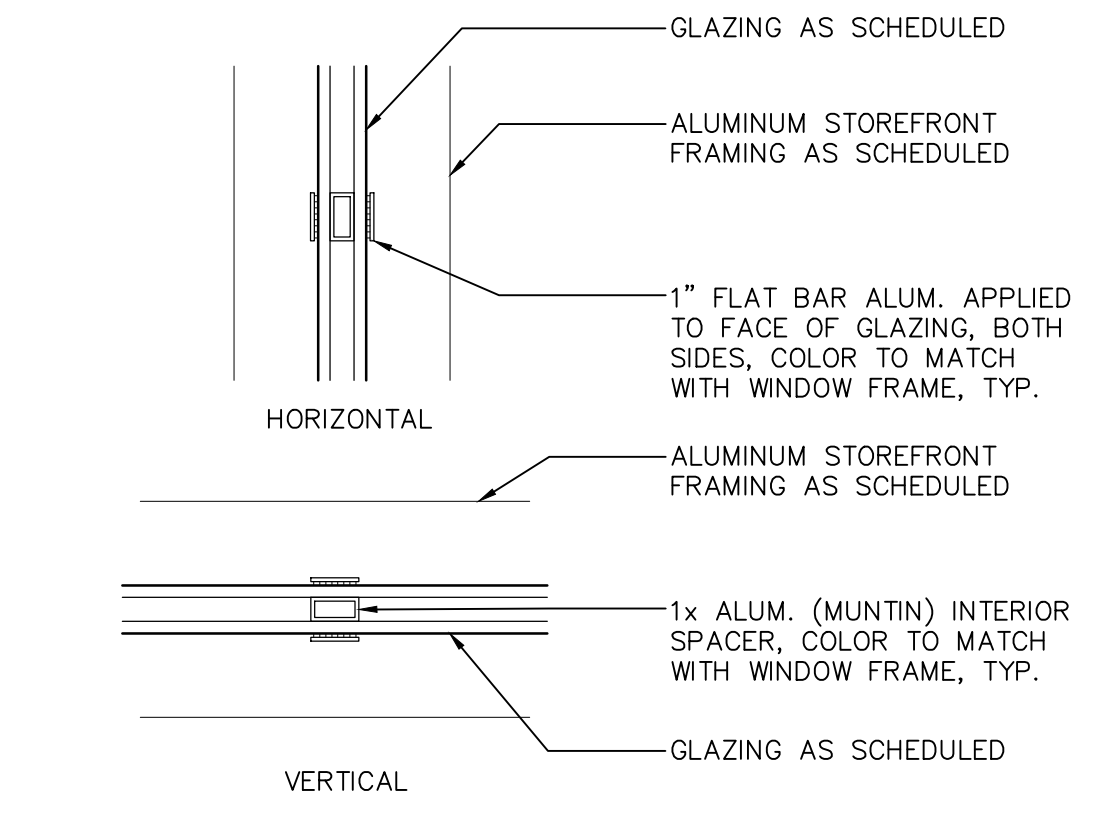
13 WINDOW SILL
SCALE: 3" = 1'-0" ALWD-SL05



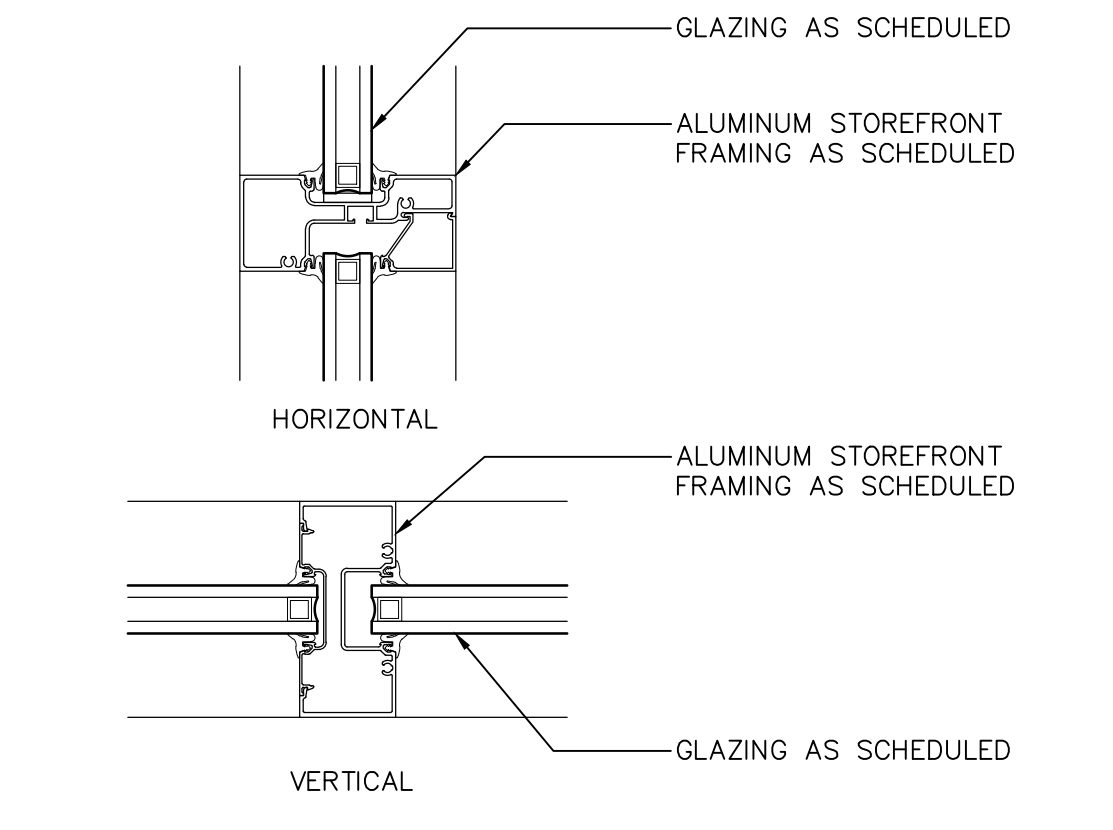
14 ALUM. WINDOW SILL
SCALE: 3" = 1'-0" ALWD-SL08



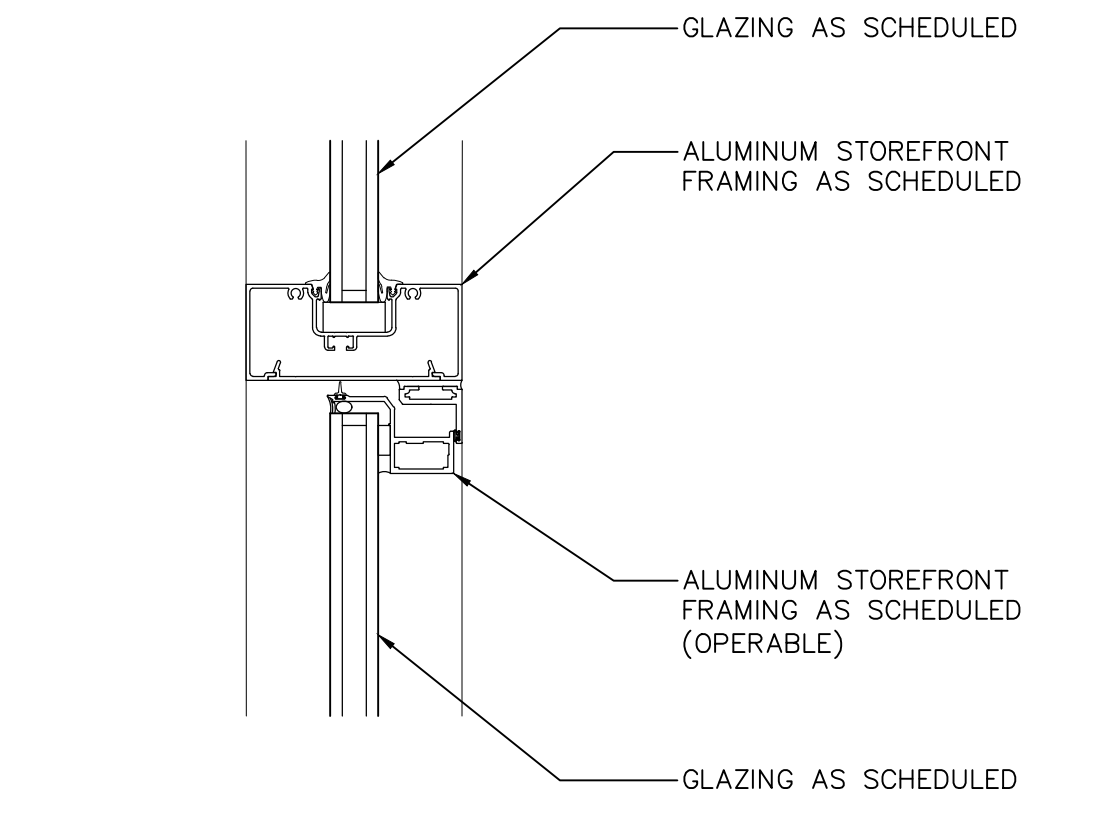
15 WINDOW SILL
SCALE: 3" = 1'-0" ALWD-SL09



16 ALUM. WINDOW MUNTIN
SCALE: 3" = 1'-0" ALWD-IM04

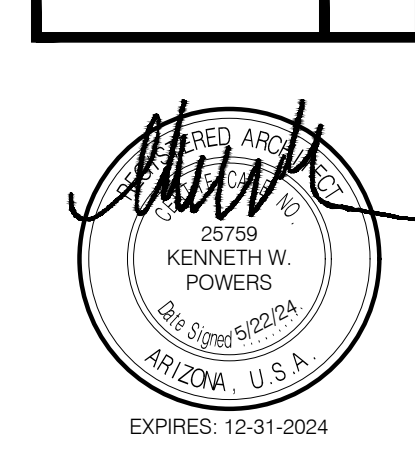


17 INTERMEDIATE MULLIONS
SCALE: 3" = 1'-0" ALWD-IM02



18 HORIZ. INTER. MULLION
SCALE: 3" = 1'-0" ALWD-IM03

Revisions	Date
1	5/22/24
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KIVA # **23-1810**
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WINDOW DETAILS
A3.12

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FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

KIVA # **23-1810**
SDEV # **2300473**

FLOOR PLAN - FFE
A3.21

KEYNOTES

#	DESCRIPTION
1	FIRE RISER LOCATION, SEE FIRE PROTECTION DRAWINGS
2	MODULAR FURNITURE, LOBBY TABLE AND CHAIR(S), O.F.O.I.
3	MODULAR FURNITURE, DESKS, CHAIR(S) AND FILE CABINETS AT OFFICES, TYPICAL, O.F.O.I.
4	LA-Z-BY RECLINER, O.F.O.I.
5	MODULAR FURNITURE, TABLES AND CHAIR(S) AT EATING AREAS, TYPICAL, O.F.O.I.
6	EXERCISE EQUIPMENT, TYPICAL, O.F.O.I.
7	TANKLESS HOT WATER HEATER, GAS, SEE PLUMBING DRAWINGS
8	STORAGE SHELVING / CABINET, O.F.O.I.
9	MODULAR FURNITURE AT DORMS, DESK, CHAIR AND WARDROBE CABINET, TYPICAL, O.F.O.I.
10	TWIN BED FRAME, O.F.O.I.
11	24" x 24" x 72" WALL AND FLOOR MOUNTED GRID LOCKERS WITH DOORS AND 2 ADJUSTABLE SHELVES, SEE INTERIOR ELEVATIONS & FINISH SCHEDULE, C.F.C.I.
12	LOCATION OF DOOR BELL, "RED" PHONE, BABY SAFE HAVEN SIGNAGE AND LOCK BOX, SEE EXTERIOR ELEVATIONS AND TYPICAL MOUNTING HEIGHTS
12	ELECTRICAL SERVICE PANELS, SEE ELECTRICAL DRAWINGS.

LEGEND/ ABBR.

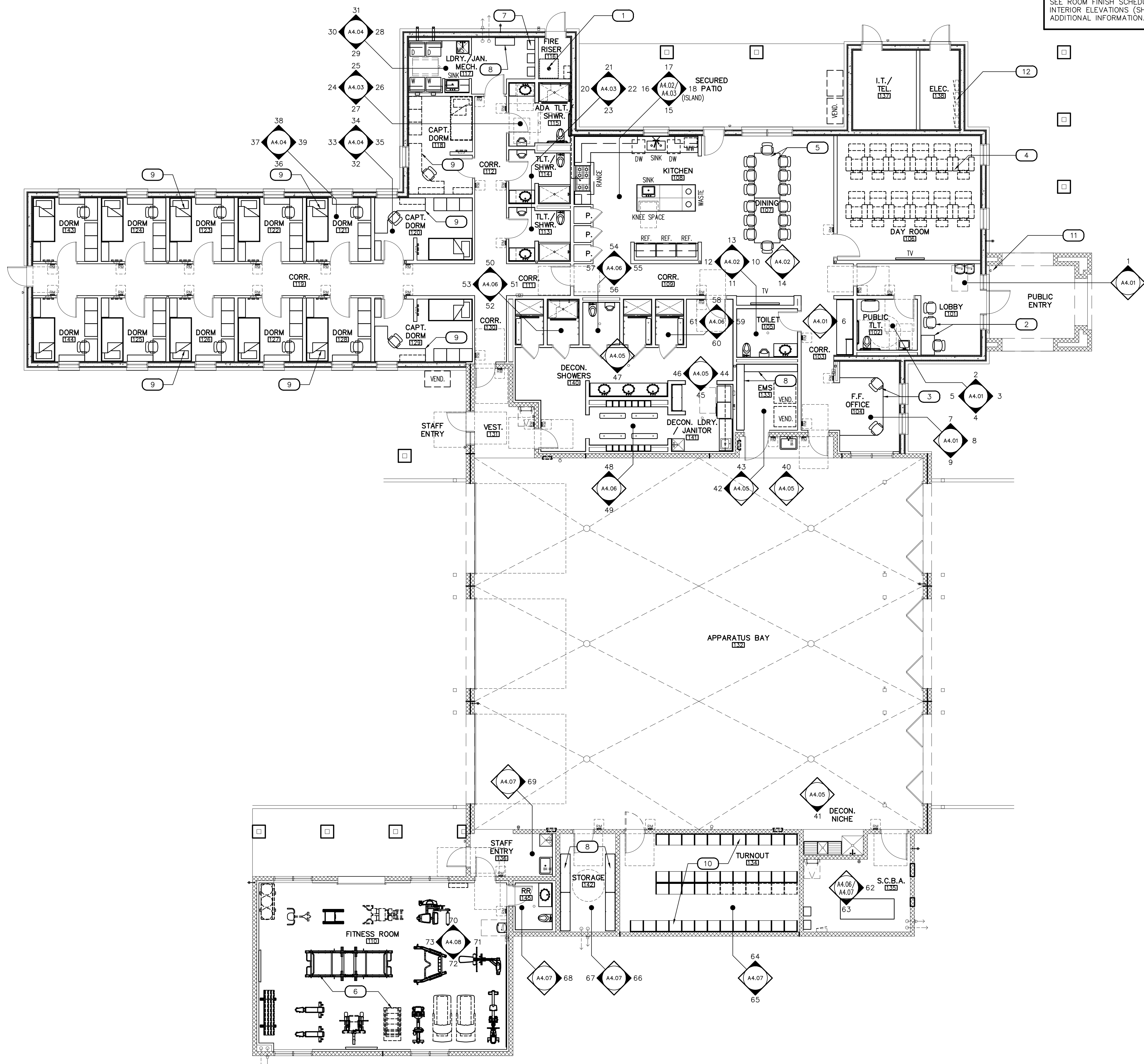
RM	ROOM SIGNAGE AND MIN. CLEAR FLOOR AREA, CONFIRM ROOM NAME AND NUMBER WITH OWNER PRIOR TO SIGNAGE SUBMITTAL, PROVIDE BACKING PLATE AT GLAZING LOCATIONS, SEE DETAILS 1-3/A3.01.
REF.	RESIDENTIAL GRADE REFRIGERATOR/FREEZER, ONE UNIT TO HAVE INTEGRAL CHILLED WATER DISPENSER AND ICE CUBE DISPENSER, C.F.C.I. SEE PLUMBING DWGS.
DW	DISHWASHER, PROVIDE MFR. REQUIRED AIR GAP, C.F.C.I.
R.O.	RESIDENTIAL GRADE 36"W 4-BURNER AND GRILL/ GRIDDLE RANGE TOP WITH OVEN, TYPE I RANGE HOOD WITH INTEGRATED FIRE SUPPRESSION SYSTEM, LIGHT AND SIDEWALL EXHAUST TO OUTSIDE AIR, SEE MECHANICAL. POT FILLER FAUCET, WALL MOUNTED ABOVE RANGE, SEE PLUMBING. SEE INTERIOR ELEVATIONS FOR MORE INFORMATION, C.F.C.I.
MW	COUNTERTOP MICROWAVE OVEN, C.F.C.I. SIDE REACH TO BE UNOBSTRUCTED WITH A REACH HEIGHT OF 48" MAXIMUM AT CONTROLS (ICC/ANSI-2003, SECTION 308.3), CONTRACTOR TO COORDINATE FINAL LOCATION(S)
TV	TELEVISION AND WALL MOUNTING BRACKETS, O.F.O.I.

GENERAL NOTES

- ALL PHONE, COMPUTER, COPIER, PRINTER AND NETWORK EQUIPMENT/SERVER TO BE BY O.F.O.I.
- CONTRACTOR TO PROVIDE MARKER BOARDS (LOCATIONS TO BE OWNER VERIFIED)
- INFORM THE ARCHITECT OF ANY DISCREPANCIES BEFORE BEGINNING WORK.
- THE CONTRACTOR SHALL VERIFY, COORDINATE AND INSTALL ADDITIONAL CONDUIT/WIRING FOR OWNER POWER AND DATA REQUIREMENTS NOT SHOWN IN THESE DRAWINGS.
- THE CONTRACTOR SHALL VERIFY AND COORDINATE WITH THE OWNER FOR ANY ADDITIONAL POWER AND DATA NEEDS.
- NO SMOKING OR SMOKE FREE SIGNAGE SHALL BE PROVIDED AT POINT OF ENTRY(S) SEE DOOR SCHEDULE. SIGN SHALL STATE THAT THIS IS A NO SMOKING ESTABLISHMENT OR HAVE THE INTERNATIONAL NO SMOKING SYMBOL WITH LETTERS OR SYMBOL TO BE NOT LESS THAN 4 INCHES IN HEIGHT, C.F.C.I.

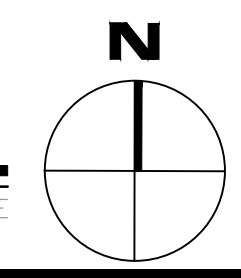
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SEE ROOM FINISH SCHEDULE (SHEET A3.31) AND INTERIOR ELEVATIONS (SHEETS A4.01-A4.08) FOR ADDITIONAL INFORMATION.



1 FLOOR PLAN - FURNITURE, FIXTURES, & EQUIPMENT

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



ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE TRIM	NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		REMARKS	
				MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH		
101	LOBBY		CONC-G	RB										(5)	
102	PUBLIC TOILET		CONC-G	CST	CT-1/CT-2	-	CT-1/CT-2	-	CT-1/CT-2	-	CT-1/CT-2	-	GYP	PT-1	(1) (2)
103	CORRIDOR		CONC-G	RB	GYP	PT-1	GYP	PT-1	GYP	PT-1	GYP	PT-1	ACT	-	
104	F.F. OFFICE		CONC-G	RB	GYP	PT-1	GYP	PT-1	GYP	PT-1	GYP	PT-1	ACT	-	
105	TOILET		CONC-G	CST	CT-1/CT-2	-	CT-1/CT-2	-	CT-1/CT-2	-	CT-1/CT-2	-	GYP	PT-1	(1) (2)
106	DAY ROOM		CONC-G	RB	GYP	PT-1	GYP	PT-3	GYP	PT-1	GYP	PT-3	CL-1/GYP	-/PT-1	
107	DINING		CONC-G	RB	GYP	PT-1	GYP	PT-1	-	-	GYP	PT-1	CL-1/GYP	-/PT-1	
108	KITCHEN		CONC-G	RB	GYP	PT-1	GYP	PT-1	GYP	PT-3	GYP	PT-1	GYP	PT-1	(1) (6)
109	CORRIDOR		CONC-G	RB	GYP	PT-1	GYP	PT-1	GYP	PT-1	GYP	PT-1	ACT	-	
110	FITNESS		RFLR	RB	GYP	PT-1	GYP	PT-1	GYP	PT-3	GYP	PT-1	CL-1	-	(1)
111	CORRIDOR		CONC-G	RB	GYP	PT-1	GYP	PT-1	GYP	PT-1	-	-	ACT	-	
112	CORRIDOR		CONC-G	RB	GYP	PT-1	GYP	PT-1	-	-	GYP	PT-1	ACT	-	
113	TOILET/SHOWER		CONC-G	CST	CT-1/CT-2	-	CT-1/CT-2	-	CT-1/CT-2	-	CT-1/CT-2	-	GYP	PT-1	(1) (2)
114	TOILET/SHOWER		CONC-G	CST	CT-1/CT-2	-	CT-1/CT-2	-	CT-1/CT-2	-	CT-1/CT-2	-	GYP	PT-1	(1) (2)
115	ADA TOILET/SHOWER		CONC-G	CST	CT-1/CT-2	-	CT-1/CT-2	-	CT-1/CT-2	-	CT-1/CT-2	-	GYP	PT-1	(1) (2)
116	FIRE RISER		CONC-G	RB	GYP	PT-1	GYP	PT-1	GYP	PT-1	GYP	PT-1	EXP	PT-1	(1)
117	LAUNDRY/JANITOR/MECH.		CONC-G	RB	GYP	PT-1	GYP	PT-1	GYP	PT-1	GYP	PT-1	GYP	PT-1	(1)
118	CAPTAIN'S DORM		CONC-G	RB	GYP	PT-1	GYP	PT-1	GYP	PT-2	GYP	PT-2	ACT	-	
119	CORRIDOR		CONC-G	RB	GYP	PT-1	-	-	GYP	PT-1	GYP	PT-1	ACT	-	
120	CAPTAIN'S DORM		CONC-G	RB	GYP	PT-2	GYP	PT-1	GYP	PT-1	GYP	PT-2	ACT	-	
121	DORM		CONC-G	RB	GYP	PT-2	GYP	PT-1	GYP	PT-1	GYP	PT-2	ACT	-	
122	DORM		CONC-G	RB	GYP	PT-2	GYP	PT-1	GYP	PT-1	GYP	PT-2	ACT	-	
123	DORM		CONC-G	RB	GYP	PT-2	GYP	PT-1	GYP	PT-1	GYP	PT-2	ACT	-	
124	DORM		CONC-G	RB	GYP	PT-2	GYP	PT-1	GYP	PT-1	GYP	PT-2	ACT	-	
125	DORM		CONC-G	RB	GYP	PT-1	GYP	PT-1	GYP	PT-2	GYP	PT-2	ACT	-	
126	DORM		CONC-G	RB	GYP	PT-1	GYP	PT-1	GYP	PT-2	GYP	PT-2	ACT	-	
127	DORM		CONC-G	RB	GYP	PT-1	GYP	PT-1	GYP	PT-2	GYP	PT-2	ACT	-	
128	DORM		CONC-G	RB	GYP	PT-1	GYP	PT-1	GYP	PT-2	GYP	PT-2	ACT	-	
129	CAPTAIN'S DORM		CONC-G	RB	GYP	PT-1	GYP	PT-1	GYP	PT-2	GYP	PT-2	ACT	-	
130	CORRIDOR		CONC-G	RB	-	-	GYP	PT-1	GYP	PT-1	GYP	PT-1	ACT	-	
131	VESTIBULE		CONC-G	RB	CMU-1	-	CMU-1	-	CMU-1	-	CMU-1	-	ACT	-	(3)
132	APPARATUS BAY		CONC-H	RB	CMU-1	-	CMU-1	-	CMU-1	-	CMU-1	-	EXP	PT-2	(1) (3) (4) (7)
133	EMS		CONC-G	RB	GYP	PT-1	GYP	PT-1	GYP	PT-1	GYP	PT-1	ACT	-	
134	TURNOUT		CONC-H	RB	CMU-1	-	CMU-2	-	CMU-2	-	CMU-2	-	ACT	-	(3)
135	S.C.B.A.		CONC-H	RB	CMU-1	-	CMU-2	-	CMU-2	-	CMU-2	-	ACT	-	(3)
136	STAFF ENTRY		CONC-H	-	CMU-1	-	CMU-2	-	CMU-2	-	CMU-2	-	GYP	PT-1	(3)
137	L.T. / TEL.		CONC-H	RB	GYP	PT-1	GYP	PT-1	GYP	PT-1	GYP	PT-1	EXP	PT-1	
138	ELEC.		CONC-H	RB	GYP	PT-1	GYP	PT-1	GYP	PT-1	GYP	PT-1	EXP	PT-1	
139	ATTIC		-	-	-	-	-	-	-	-	-	-	-	-	
140	DECON. SHOWERS		CONC-G	CST	CT-1/CT-2	-	CT-1/CT-2	-	CT-1/CT-2	-	CT-1/CT-2	-	GYP	PT-1	(1) (2)
141	DECON. LD.RY./JANITOR		CONC-G	CST	CT-1/CT-2	-	CT-1/CT-2	-	CT-1/CT-2	-	CT-1/CT-2	-	GYP	PT-1	(1) (2)
142	STORAGE		CONC-G	RB	CMU-1	-	CMU-2	-	CMU-2	-	CMU-2	-	GYP	PT-1	
143	DORM		CONC-G	RB	GYP	PT-2	GYP	PT-1	GYP	PT-1	GYP	PT-2	ACT	-	
144	DORM		CONC-G	RB	GYP	PT-2	GYP	PT-1	GYP	PT-2	GYP	PT-2	ACT	-	
145	RESTROOM		CONC-G	CST	CT-1	-	CT-1	-	CT-1	-	CT-1	-	GYP	PT-1	(1) (2)

ABBREVIATIONS

-	NONE / NOT NEEDED
ACT	MFR: USG INTERIORS, MARS CLIMAPLUS PANEL WITH FINELINE BEVEL EDGE, 24"x24"x3/4" (86985 HRC), COLOR: WHITE, GRID: 9/16" CENTRICITEE DXT (DXT-24), COLOR: FLAT WHITE (50)
CL-1	MFR: USG INTERIORS, PARALINE PLUS LINEAR METAL SYSTEM, 7" WIDE WITH PERFORATION, COLOR: TIMBRE DRIFTWOOD (4199), CARRIER: 15/16" INTERIOR PARALOCK TEE SYSTEM, ACCESSORIES: PERIMETER SHADOW MOLDING, ACOUSTIC MATERIAL: 5/8" WET FELT ACOUSTIC PANELS
CMU-1	8x4x16 CONCRETE MASONRY UNIT (CMU) MFR: SUPERLITE, MESASTONE OPAL GROUT: COLOR MATCH
CMU-2	8x4x16 CONCRETE MASONRY UNIT (CMU) MFR: SUPERLITE, MESASTONE PEPPER CORN GROUT: COLOR MATCH
CONC-G	MAIN LIVING AREAS EXPOSURE: CLASS C, COARSE AGGREGATE, 80-90% COARSE AGGREGATE, 10-20% BLEND OF CEMENT FINES AND FINE AGGREGATE GLOSS: CLASS 3, POLISHED 40-60% IMAGE CLARITY, HAZE INDEX <10
CONC-H	APPARATUS BAY & SUPPORT EXPOSURE: CLASS A, CEMENT FINES, 85-95% CEMENT FINES, 5-15% FINE AGGREGATE GLOSS: LEVEL 2, SATIN (HONED) 10-30% IMAGE CLARITY, HAZE INDEX <10
CST	COVE-SHAPED TRANSITION - MFR: SCHLUTER STYLE- DILEX-AHKA 3/8" - 10MM FINISH- SATIN NICKEL ANODIZED ALUMINUM
CT-1	CERAMIC TILE: DAL TILE, GLITTERATI GRANITE, HM03, 12" x 24", LIGHT POLISHED, FULL HEIGHT OF WALL
CT-2	CERAMIC TILE: DAL TILE, GLITTERATI GRANITE STRAIGHT JOINT, HM03, MATTE FINISH 2" x 2" ACCENT BAND AND NICHE
EXP	EXPOSED TO STRUCTURE, PAINT TO MATCH ADJACENT WALL COLOR
GYP	GYPSUM BOARD: LEVEL 4, WITH A SMOOTH FINISH
PT-1	MAIN INTERIOR PAINT - MFR: DUNN EDWARDS COLOR: PORPOISE DE6373, EGGSHELL, PAINT TO TOP OF WALL FINISH
PT-2	ACCENT INTERIOR PAINT - MFR: DUNN EDWARDS COLOR: SILVER POLISH DE6374, EGGSHELL, PAINT TO TOP OF WALL FINISH
PT-3	ACCENT INTERIOR PAINT - MFR: DUNN EDWARDS COLOR: CASTLEROCK DE6375, EGGSHELL, PAINT TO TOP OF WALL FINISH

ADDT'L REMARKS

- ① TRADITIONAL SEMI-GLOSS PAINT TO BE USED IN AREAS WHERE THERE WILL BE DIRECT EXPOSURE TO WATER, METAL DOOR FRAMES, DOORS OR IN AREAS SUBJECT TO CONTINUOUS HIGH HUMIDITY.
- ② PROVIDE A LEGIBLE SIGN DESIGNATING THE GENDER IN A READILY VISIBLE LOCATION NEAR THE ENTRANCE TO TOILET FACILITY. SIGNS FOR ACCESSIBLE TOILET FACILITIES SHALL COMPLY WITH ICC A117.1. (2018 IBC [P] 2902.4, SIGNAGE).
- ③ EPOXY CLEAR COAT AT CMU WALLS.
- ④ STEEL BEAM CONSTRUCTED ROOF TRUSSES TO BE PAINT COLOR PT-4.
- ⑤ PUBLIC TOILET WALLS IN LOBBY TO BE PAINT COLOR PT-3.
- ⑥ PAINT REFRIGERATOR NICHE PT-3, ALL FACES.
- ⑦ CEILING AT APPARATUS BAY NICHES TO BE GYPSUM BOARD, PAINT PT-1.

INTERIOR FINISHES

CABINETY COUNTERTOPS
SOLID SURFACE - MFR: CORIAN, COLOR: NATURAL GRAY

CABINETY TYPICAL CABINETS
PLASTIC LAMINATE WITH 3MM EDGE - MFR: WILSONART, COLOR: #8236K-05 MONTEVERDI

KITCHEN COUNTERTOPS, LOWER/UPPER CABINETS
STAINLESS STEEL

KITCHEN APPLIANCES - STAINLESS STEEL

CABINETY HARDWARE - BRUSHED ALUMINUM

TOILET ROOMS
ACCESSORIES - SATIN FINISH STAINLESS STEEL
PLUMBING FITTING/FIXTURES - SEE PLUMBING DRAWINGS
TOILETS - VITREOUS CHINA, COLOR: WHITE
WALL HUNG LAVATORY - VITREOUS CHINA, COLOR: WHITE
COUNTERTOP LAVATORY - INTEGRAL WITH COUNTERTOP, MFR: CORIAN, STYLE: 810P, COLOR: GLACIER WHITE
TERRAZZO SHOWER BASE - MFR: ACORN, MODEL: SBR-4836-3F (48"x36"). COLOR PLATINUM GRAY OCT04
METAL LOCKERS - MFR: PENCO, COLOR: JET BLACK (949)

DORM LOCKERS AND UNDER BED LOCKERS
MFR: PENCO, COLOR: JET BLACK (949)

TURNOUT LOCKERS AND HOSE RACK
MFR: GEAR GRID, COLOR: RED BARON

TURNOUT LOCKERS: 24" x 24" x 72" WITH DOORS, 2 ADJUSTABLE SHELVES, 24 WALL MOUNTED, 22 FLOOR MOUNTED

MARKER & CORK BOARDS - BRUSHED ALUMINUM FRAME

ROOM SIGNAGE - DARK GREY PLAQUE WITH SILVER LETTERING

DOORS AND FRAMES - PT-4, UNLESS NOTED OTHERWISE

WINDOW BLACKOUT SHADES - MFR: SWF CONTRACT, NIGHTFALL, COLOR: SHADE ON BLACK R6013, SEE PLANS FOR LOCATION

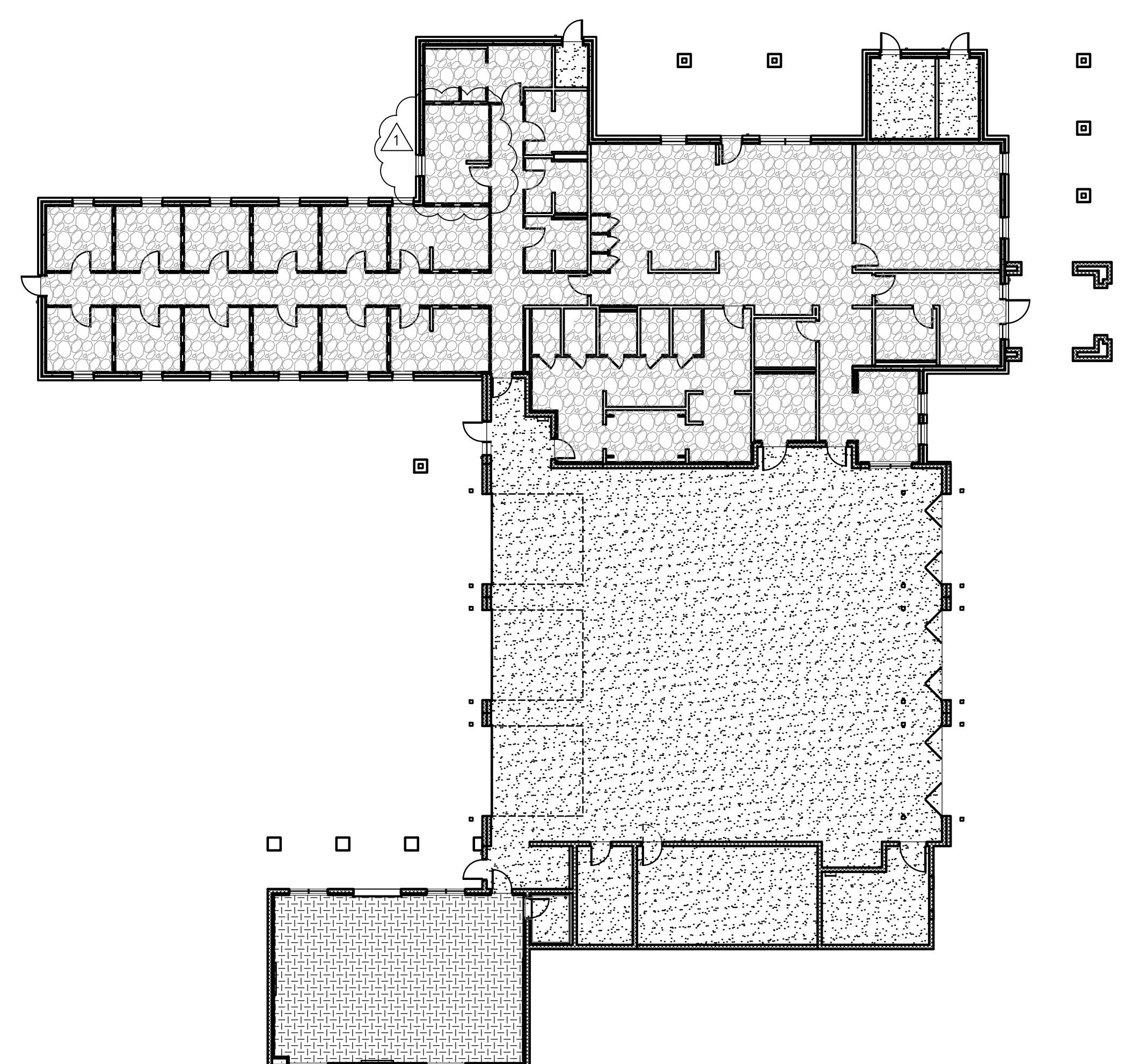
WINDOW BLINDS - MFR: SWF CONTRACT, HORIZONTAL BLINDS, COLOR: ALUMINUM 034, SEE PLANS FOR LOCATION

STAINLESS STEEL WALL PANES - SEE INTERIOR ELEVATIONS FOR SIZE AND LOCATIONS

GENERAL NOTES

1. GYPSUM BOARD FINISHED SOFFITS TO BE PAINTED THE SAME AS ADJACENT WALL COLOR AS SCHEDULED.
2. WALLS WITHIN 2 FT. OF URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NON-ABSORBENT SURFACE TO 4 FT. ABOVE THE FLOOR, AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE. (PER 2018 IBC SECT. 1209.2)
3. SHOWER COMPARTMENTS AND WALLS ABOVE WITH INSTALLED SHOWER HEADS SHALL BE FINISHED WITH A SMOOTH, NONABSORBENT SURFACE TO A HEIGHT NOT LESS THAN 72" ABOVE THE DRAIN INLET. (2018 IBC SECTION 1209.3)
4. WATER-RESISTANT GYPSUM BACKING BOARD SHALL NOT BE USED IN AREAS WHERE THERE WILL BE DIRECT EXPOSURE TO WATER OR IN AREAS SUBJECT TO CONTINUOUS HIGH HUMIDITY, SUCH AS THE LOCKER ROOM AND THE SHOWERS (2018 IBC SECTION 2509.3)
5. REFER TO REFLECTED CEILING PLAN FOR CEILING HEIGHTS, SOFFIT HEIGHTS.
6. EXPOSED MECHANICAL DUCT WORK (WITH RELATED ITEMS) TO BE RAW/GALVANIZED STEEL FINISH, UNLESS REQUIRES SPECIFIC COLOR(S) FOR IDENTIFICATION PURPOSES TO MEET LOCAL CODES / AMENDMENTS OR AS DIRECTED BY ARCHITECT.
7. EXPOSED PLUMBING AND ELECTRICAL PIPING (AND RELATED ITEMS) AT WALLS IN ROOMS TO BE PAINT MATCH WITH SCHEDULED ADJACENT WALL COLOR UNLESS REQUIRES SPECIFIC COLOR(S) FOR IDENTIFICATION PURPOSES TO MEET LOCAL CODES / AMENDMENTS OR AS DIRECTED BY ARCHITECT.
8. REFER TO PLANS FOR ANY ADDITIONAL FINISHES THAT MAY NOT BE RECOGNIZED IN THIS FINISH SCHEDULE.
9. ROOM SIGNAGE IS TO BE SELECTED BY THE ARCHITECT. THE CONTRACTOR IS TO PROVIDE MFR CUT-SHEET INFORMATION PRIOR TO APPROVAL.

SCHD-INTERIOR FINISH



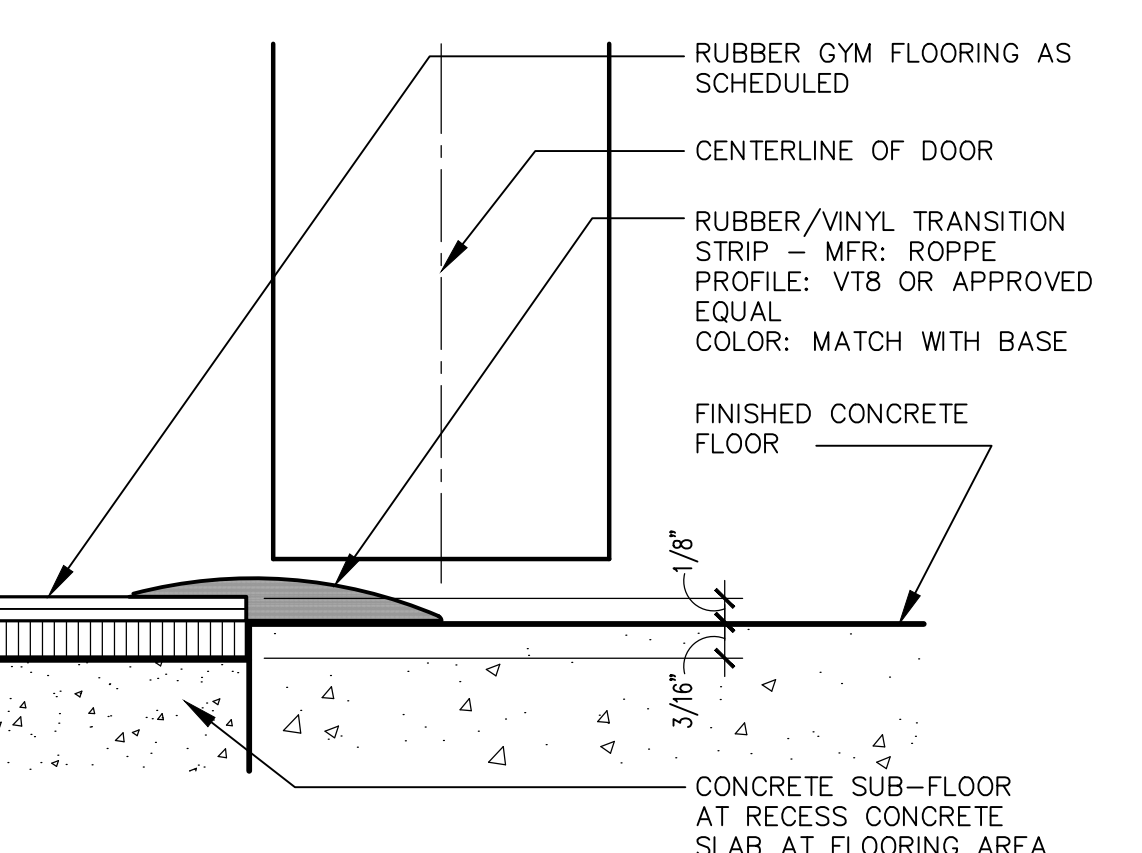
LEGEND

- CONC-G - 1/2" WET GRIND CONCRETE SURFACE; EXPOSED AGGREGATE, HONED CONCRETE FINISH WITH HARDENER AND DENSIFIER, CLASS C, LEVEL 4, PER CONCRETE POLISHING COUNCIL
- CONC-H - EXPOSED SMOOTH CONCRETE FINISH, CLASS B, LEVEL 3, PER CONCRETE POLISHING COUNCIL
- RUBBER GYM FLOORING

NOTES:
1. SEE ROOM FINISH SCHEDULE FOR ADDITIONAL FINISH MATERIAL INFORMATION.
2. SEE LANDSCAPE DRAWINGS FOR EXTERIOR CONCRETE STOOP FINISHES.

1 INTERIOR FLOOR FINISH PLAN

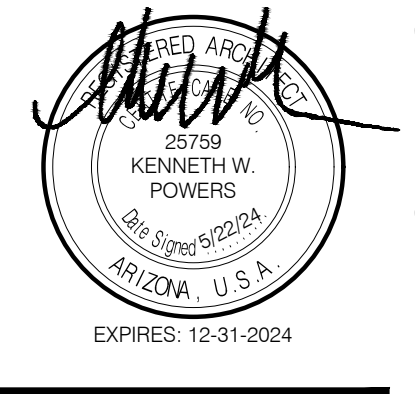
SCALE: 1/16" = 1'-0"



2 GYM FLOOR TRANSITION

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

Revisions	Date
△ CITY COMMENTS	5/22/24



Designed By:
ET / GA

Drawn By:
TA / RS

Checked By:
GA / TA

Date:
12/14/2023

Phase:
PERMIT

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FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
Index No:
FD57100020-3



KIVA # 23-1810
SDEV # 2300473

ROOM FINISH SCHED. & DETAILS
A3.31

Revisions	Date
△ CITY COMMENTS	5/22/24



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KIVA # 23-1810
SDEV # 2300473

MOUNTING HEIGHTS
A3.32

CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

KEYNOTES

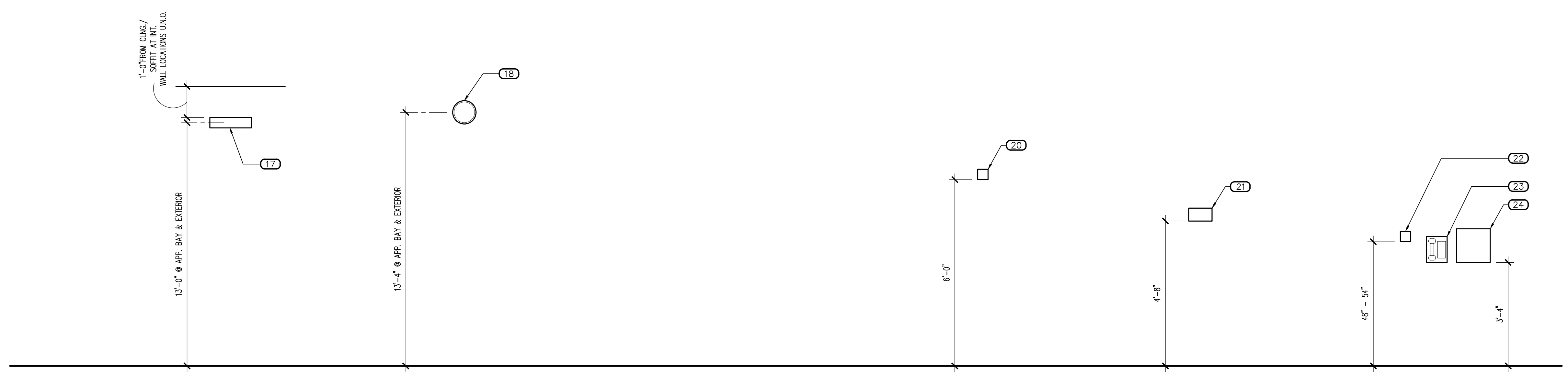
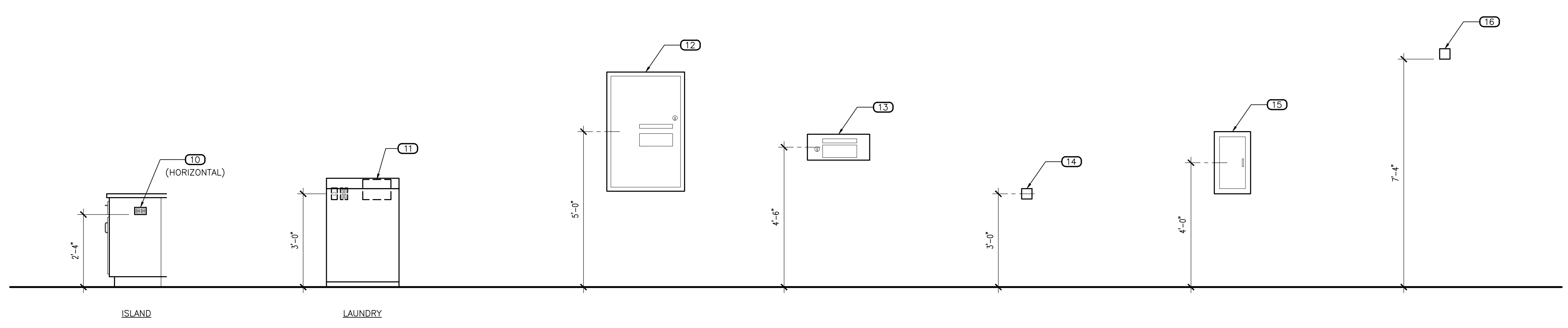
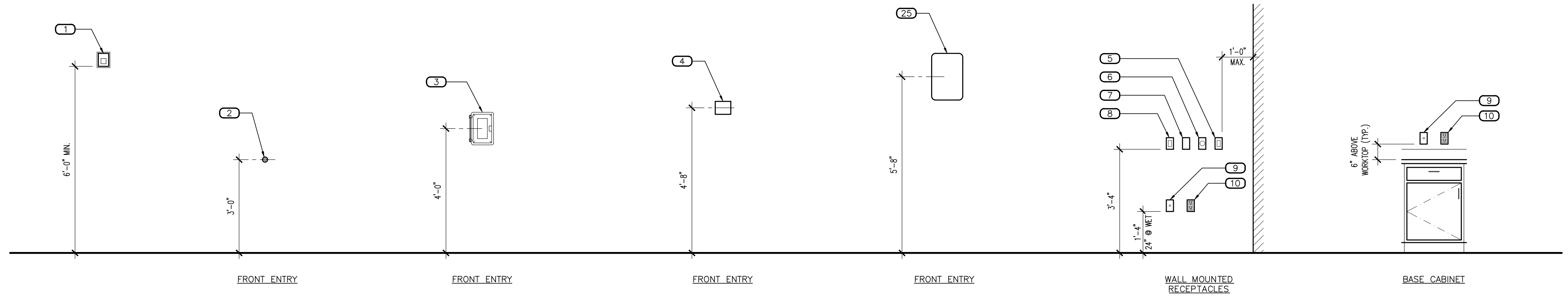
#	DESCRIPTION
1	LOCK BOX, COORDINATE SPECIFIC MOUNTING LOCATION WITH THE FIRE MARSHAL PRIOR TO INSTALLATION, SEE DETAIL 2/A10.01
2	DOOR BELL PUSH-BUTTON
3	RING DOWN PHONE ENCLOSURE
4	"NO SMOKING" SIGN
5	LIGHT SWITCH
6	VOLUME CONTROL
7	INTERCOM CALL-IN BUTTON
8	FIRE ALARM PULL STATION
9	DATA / CABLE OUTLET
10	DUPLEX RECEPTACLE / 4-PLEX RECEPTACLE
11	WASHER / DRYER CONNECTIONS
12	FIRE ALARM CONTROL PANEL
13	FIRE ALARM ANNUNCIATOR PANEL
14	INFRARED SENSOR FOR APPARATUS BAY DOORS
15	FIRE EXTINGUISHER CABINET, SEMI-RECESSED
16	HORN / ADA HORN / STROBE COMBINATION ALERTING SIGN
17	SPEAKER
18	NO NOTE
19	NO NOTE
20	FIRE ALARM VISUAL SIGNS
21	ROOM SIGNAGE, SEE DETAIL 1/A3.31
22	THERMOSTAT FOR MECHANICAL
23	WALL HUNG TELEPHONE
24	EMERGENCY DOOR CONTROL PANEL
25	BABY SAFE HAVEN SIGNAGE

GENERAL NOTES

1. SEE PLANS FOR TYPE AND NUMBER OF ITEMS SHOWN ON THIS SHEET. ALL ITEMS SHOWN HERE MAY NOT OCCUR IN THIS PROJECT.

MOUNTING HEIGHTS

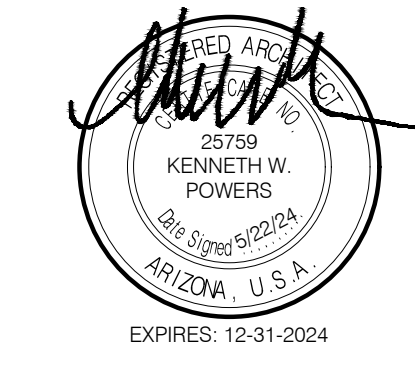
Note:
Per City of Phoenix City Code Chapter 2, section 2-28, these plans are for official use only and may not be shared with others except as required to fulfill the obligations of your contract with the City of Phoenix.



1 MOUNTING HEIGHTS

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

Revisions	Date
△ CITY COMMENTS	5/22/24



Designed By:
ET / GA

Drawn By:
TA / RS

Checked By:
GA / TA

Date:
12/14/2023

Phase:
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Index No:
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CITY OF PHOENIX

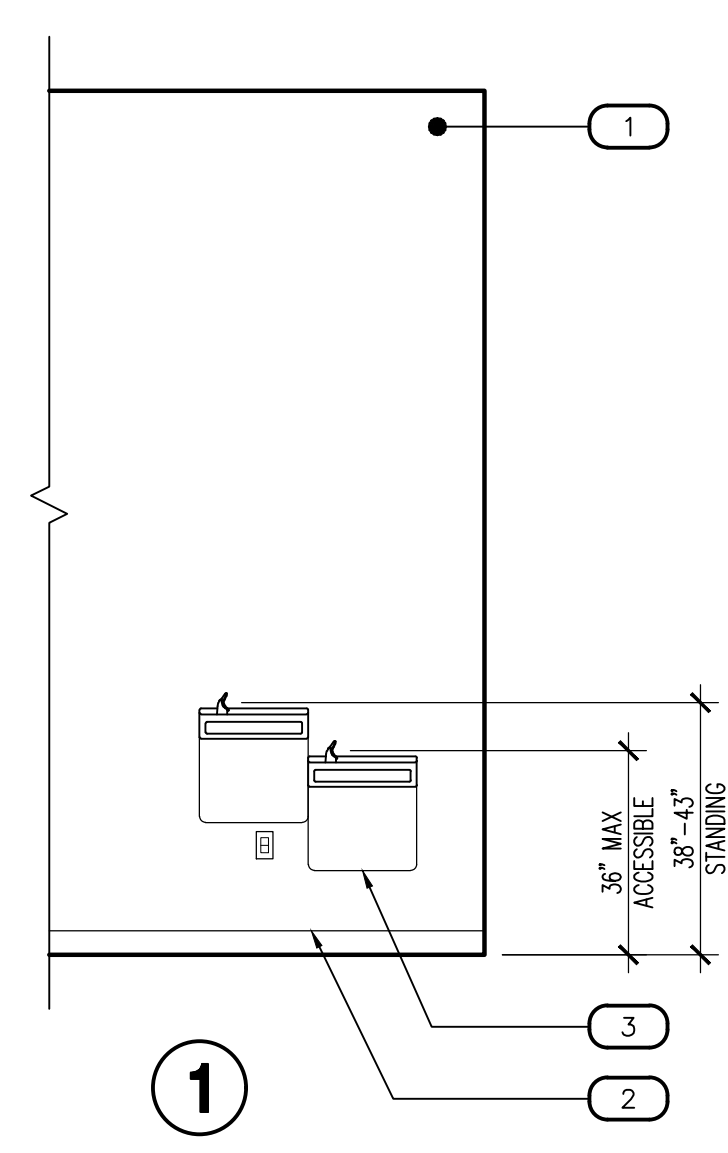
KIVA # **23-1810**
SDEV # **2300473**

INTERIOR ELEVATIONS
A4.01

#	DESCRIPTION
1	GYPSUM BOARD, FINISH AND PAINT AS SCHEDULED
2	WALL BASE AS SCHEDULED
3	DUAL HEIGHT ADA ELECTRIC DRINKING FOUNTAIN, WALL MOUNTED WITH STAINLESS STEEL TOP, SEE PLUMBING DRAWINGS
4	TILE WALL COVERING AS SCHEDULED
5	COVE SHAPED TRANSITION AS SCHEDULED
6	DOOR / WINDOW SYSTEM AS SCHEDULED
7	WALL MOUNTED BABY CHANGING STATION
8	ALERT SIGNAGE LOCATION
9	SURFACE MOUNTED PAPER TOWEL DISPENSER, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-4262
10	SURFACE MOUNTED SOAP DISPENSER, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-4112
11	SURFACE MOUNTED MIRROR, WITH STAINLESS STEEL FRAME, SIZE AS NOTED
12	SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-2888
13	ACCESSIBLE (ADA) LAVATORY, WALL HUNG WITH BLADE TYPE FAUCET HANDLE, SEE PLUMBING DRAWINGS
14	ACCESSIBLE (ADA) WATER CLOSET, WALL MOUNTED, FLUSH VALVE WITH SPLIT FRONT SEAT, WHITE, SEE PLUMBING DRAWINGS
15	36" STAINLESS STEEL GRAB BAR, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-6806 x 36"
16	18" STAINLESS STEEL VERTICAL GRAB BAR, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-6806 x 18"
17	42" STAINLESS STEEL GRAB BAR, PROVIDE BACKING AT STUD WALL PARTITIONS, MFR: BOBRICK, NO: B-6806 x 42"
18	LIGHTING, SEE ELECTRICAL
19	MILLWORK, SEE MILLWORK DETAILS AND FINISH SCHEDULE
20	MODULAR FURNITURE, SEE FINISH SCHEDULE, O.F.O.I.
21	URINAL, WALL MOUNTED FLUSH VALVE, SEE PLUMBING DRAWINGS
22	COUNTERTOP WITH INTEGRAL OVAL SINK AND FAUCET WITH BLADE TYPE HANDLE, SEE PLUMBING DRAWINGS
23	TYPE I RANGE HOOD WITH INTEGRATED FIRE SUPPRESSION SYSTEM, LIGHT AND SIDEWALL EXHAUST TO OUTSIDE AIR, SEE MECHANICAL DRAWINGS, STAINLESS STEEL CONSTRUCTED HOOD SHROUD TO CEILING
24	POT FILLER FAUCET, WALL MOUNTED ABOVE RANGE, SEE PLUMBING DRAWINGS
25	RESIDENTIAL GRADE 48"W 4-BURNER AND GRILL / GRIDDLE RANGE TOP WITH OVEN, C.F.C.I., SEE PLUMBING DRAWINGS, FLOOR TO HOOD STAINLESS STEEL WALL GUARD, AT RANGE LOCATION
26	STAINLESS STEEL BACKSPASH TO UNDERSIDE OF CABINETS AT COUNTERTOP LOCATIONS
27	STAINLESS STEEL COUNTERTOP WITH MARINE EDGES
28	STAINLESS STEEL CABINETS, MFR. TO SUBMIT SHOP DRAWINGS FOR ARCHITECT APPROVAL
29	DOUBLE WELL STAINLESS STEEL KITCHEN SINK INTEGRAL WITH COUNTERTOP, FAUCET, DISPOSER, SEE PLUMBING DRAWINGS
30	RESIDENTIAL GRADE DISHWASHER, PROVIDE AIR GAP, SEE PLUMBING DRAWINGS
31	SINGLE BOWL INTEGRAL SINK, WITH FAUCET, SEE PLUMBING DRAWINGS
32	CLEAR GYM MIRROR WITH SAFETY BACKING, TO RUN LENGTH OF WALL
33	SHOWER ENCLOSURE WITH PRECAST TERRAZZO SHOWER BASE, SHOWER HEAD WITH PRESSURE ADJUSTABLE SPRAY AND VOLUME CONTROL, SEE PLUMBING DRAWINGS
34	ADA SHOWER FIXTURE, WITH TWO WALL GRAB BARS AND 18" VERTICAL GRAB BAR
35	SHOWER CURTAIN ROD ANCHORED AT EACH END, VERIFY OPENING WIDTH, SHOWER CURTAIN HOOKS BY BOBRICK, HEAVY DUTY VINYL SHOWER CURTAIN
36	SURFACE MOUNTED S. STEEL UTILITY HOOK, PROVIDE CONTINUOUS SOLID BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: 6707
37	14" FIXED STAINLESS STEEL SHELF
38	STAINLESS STEEL COUNTERTOP
39	SERVICE SINK WITH STAINLESS STEEL BACKSPASH, SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
40	LAUNDRY WASHER AND DRYER, SEE PLUMBING DRAWINGS
41	DORMITORY PLATFORM BED, O.F.O.I.
42	ELECTRICAL OUTLETS, SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
43	STATION ALERTING ROOM REMOTE
44	STAINLESS STEEL SINGLE COMPARTMENT SERVICE SINK, PEDAL CONTROLLED, SEE PLUMBING DRAWINGS
45	STAINLESS STEEL WALL GUARD PANELS, FULL HEIGHT
46	STAINLESS STEEL SINGLE COMPARTMENT SERVICE SINK WITH DRAIN BOARD EACH SIDE, PEDAL CONTROLLED, SEE PLUMBING DRAWINGS
47	IN-SLAB FLOOR WASH SINK WITH SERVICE FAUCET, SEE PLUMBING DRAWINGS
48	EXPOSED CMU WALL CONSTRUCTION, FINISH AS SCHEDULED
49	24" x 24" x 72" WALL & FLOOR MOUNTED STEEL LOCKERS WITH SECURITY DOORS, SEE FINISH SCHEDULE
50	RESIDENTIAL GRADE REFRIGERATOR / FREEZER, ONE UNIT TO HAVE INTEGRAL CHILLED WATER DISPENSER AND ICE CUBE DISPENSER, SEE PLUMBING DRAWINGS
51	SHOWER NICHE, 12"W x 16" T
52	TANKLESS HOT WATER HEATERS, SEE PLUMBING DRAWINGS
53	BACK WALL MOUNTED METAL LOCKER UNITS
54	HARDWOOD TOP BENCH WITH STEEL PEDESTAL LEGS ANCHORED TO CONCRETE SLAB
55	ELECTRIC DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS
56	ROOF DRAIN LEADER, SEE PLUMBING DRAWINGS
57	CARD READER LOCATION, SEE SHEET A10.01

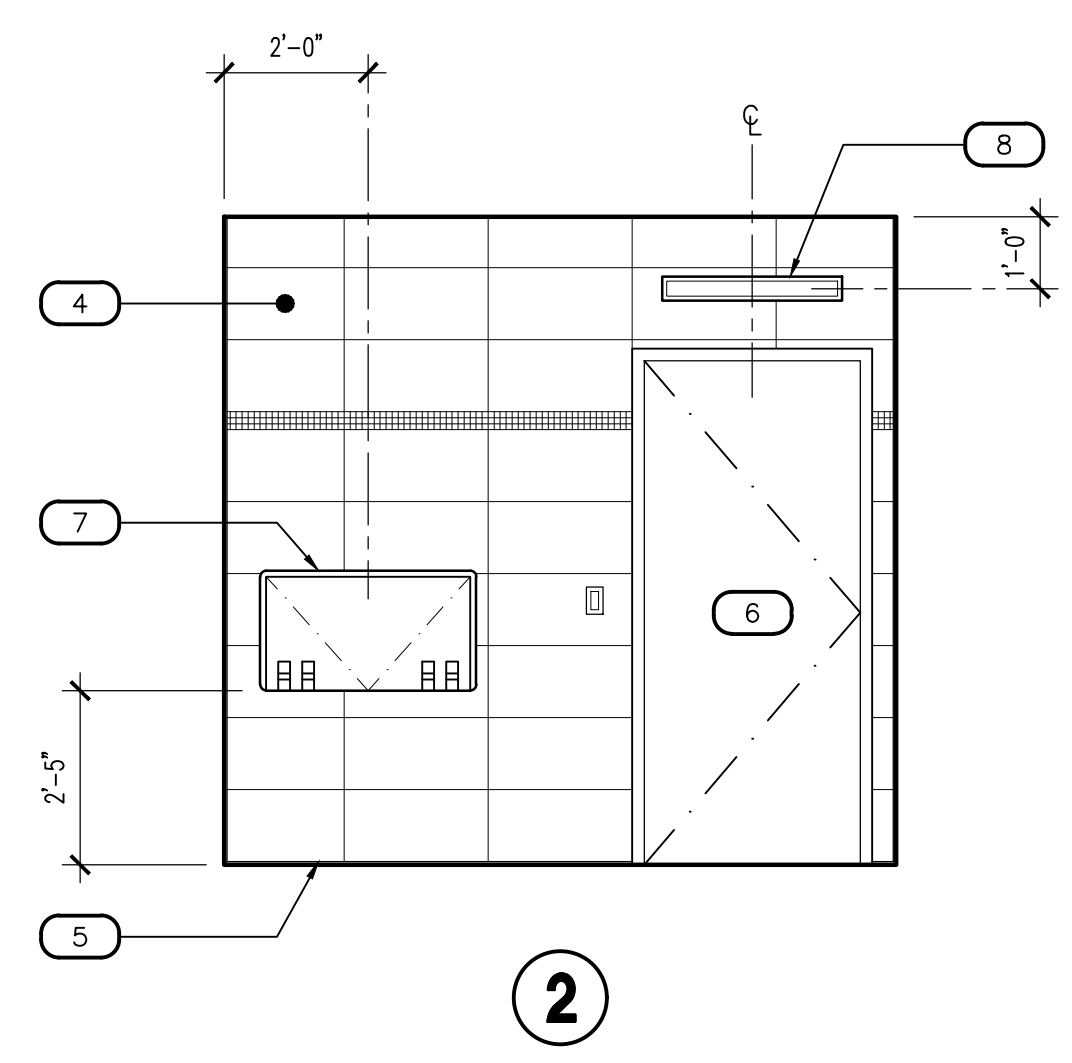
N-INTELEV

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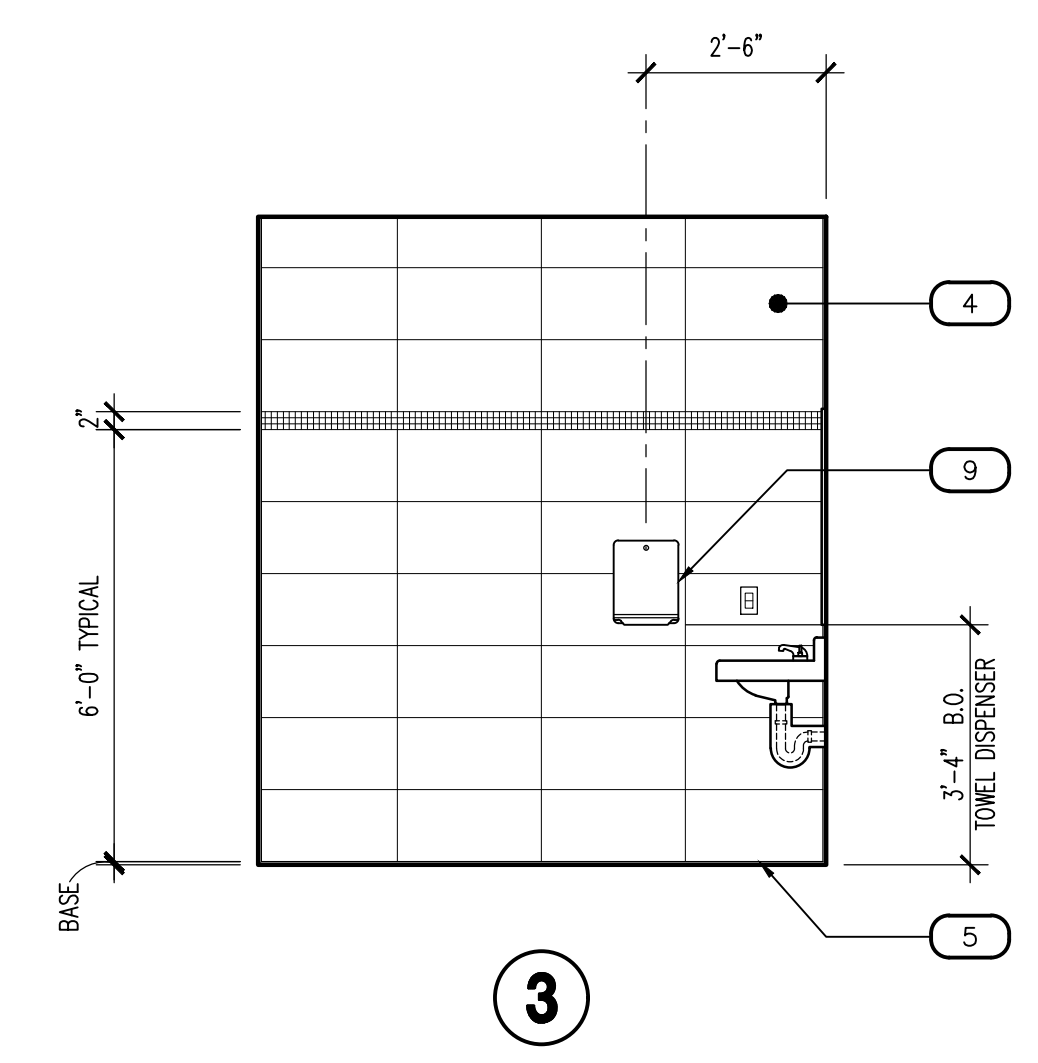
LOBBY - 101

SCALE: 3/8" = 1'-0"



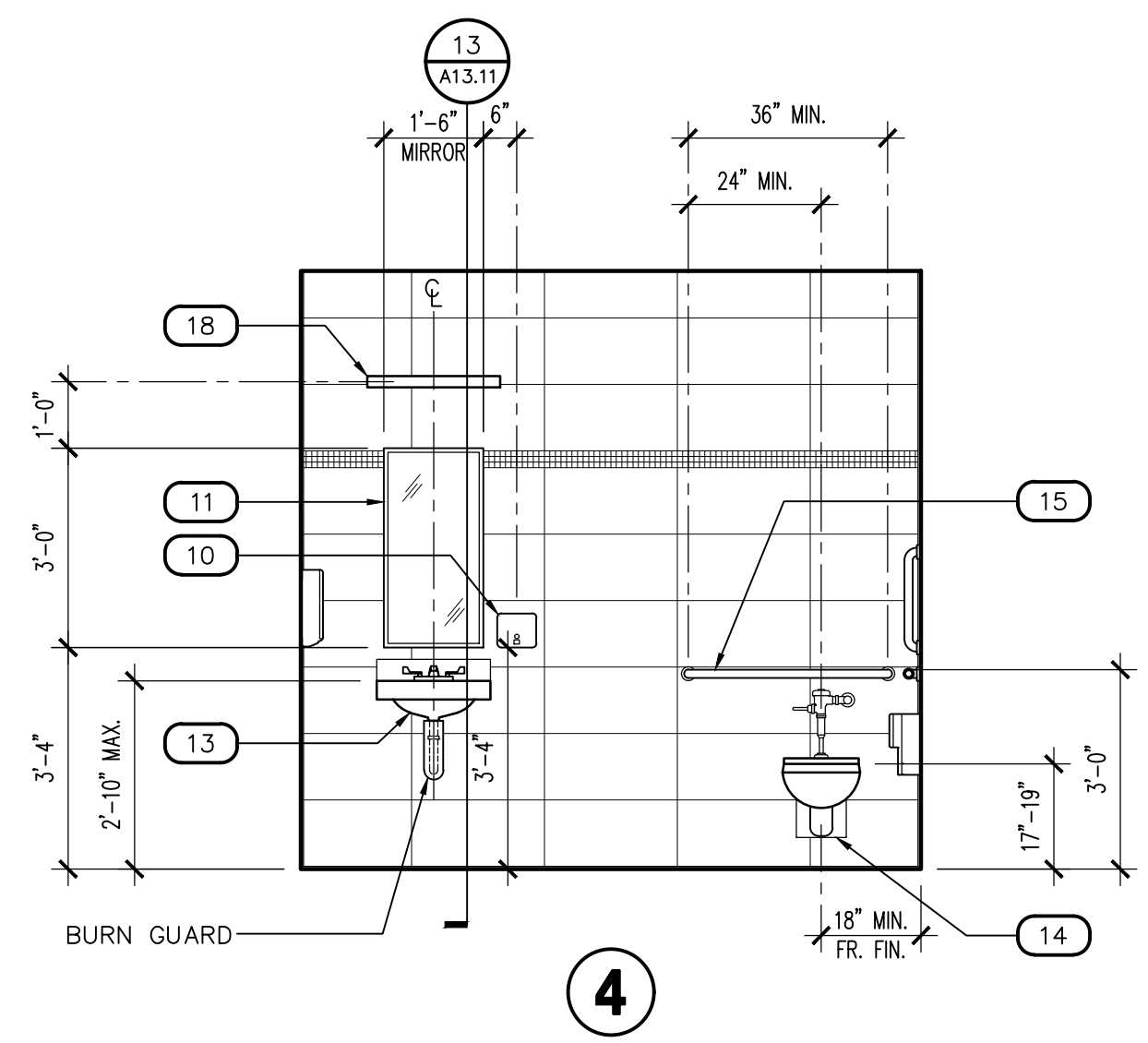
PUBLIC TOILET - 102

SCALE: 3/8" = 1'-0"



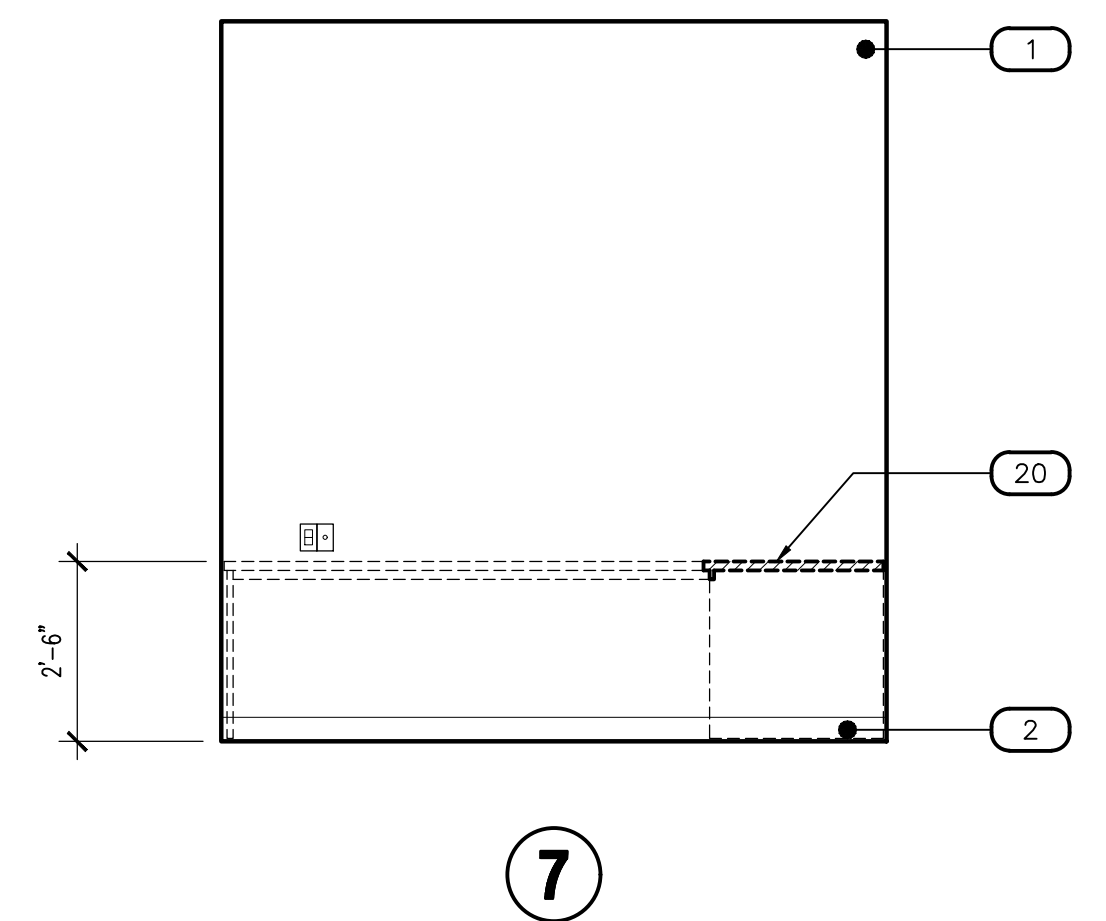
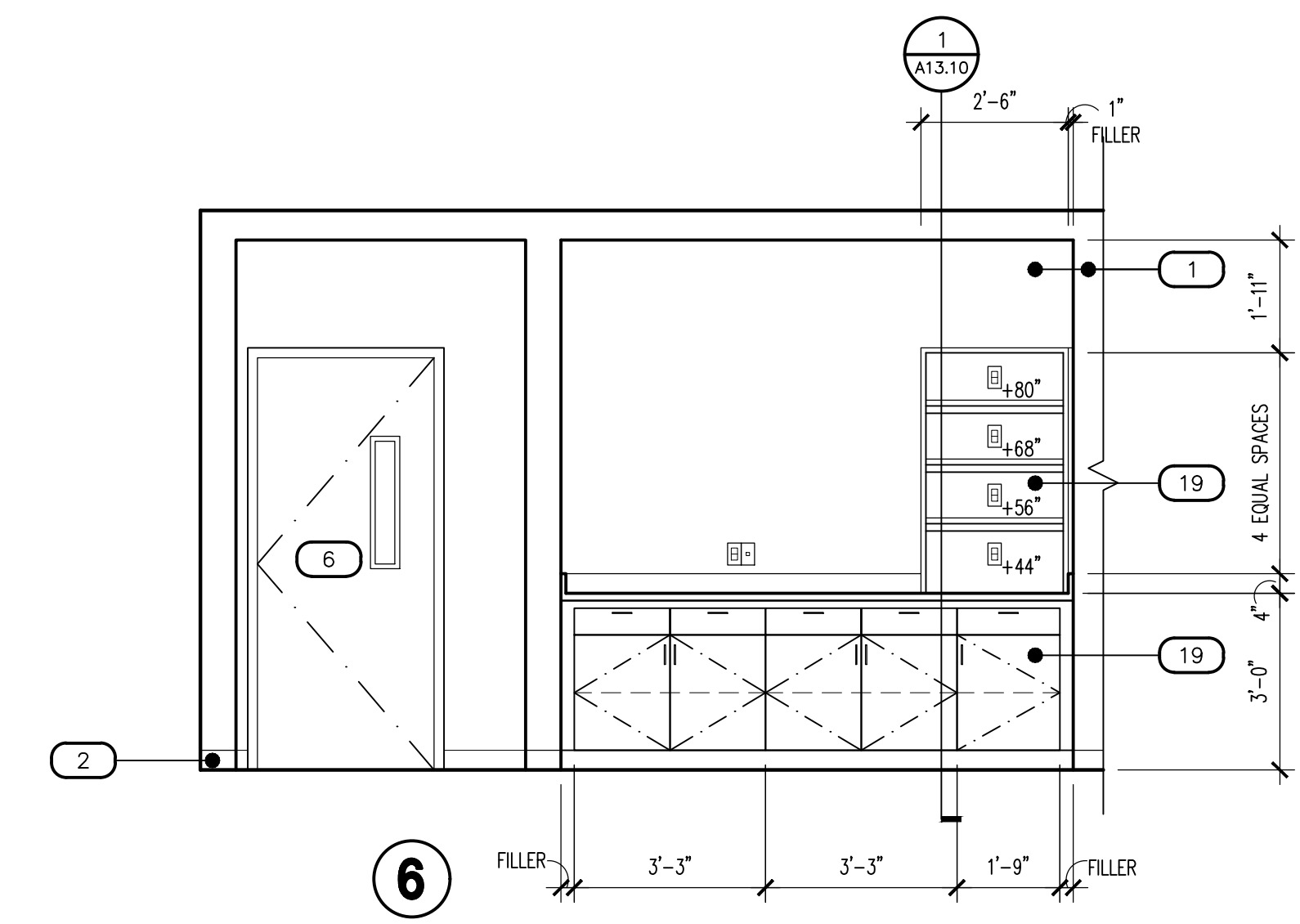
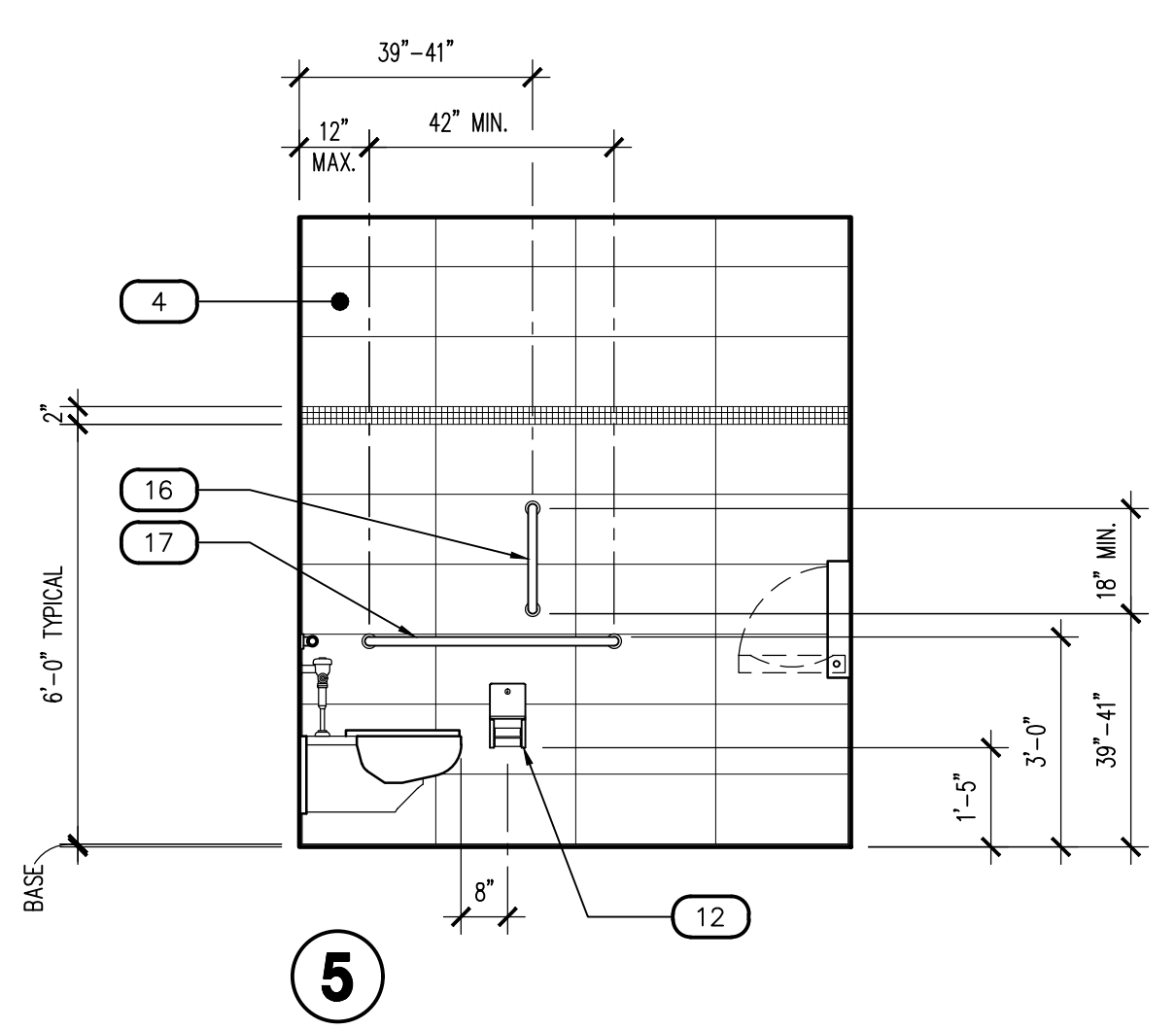
CORRIDOR - 103

SCALE: 3/8" = 1'-0"



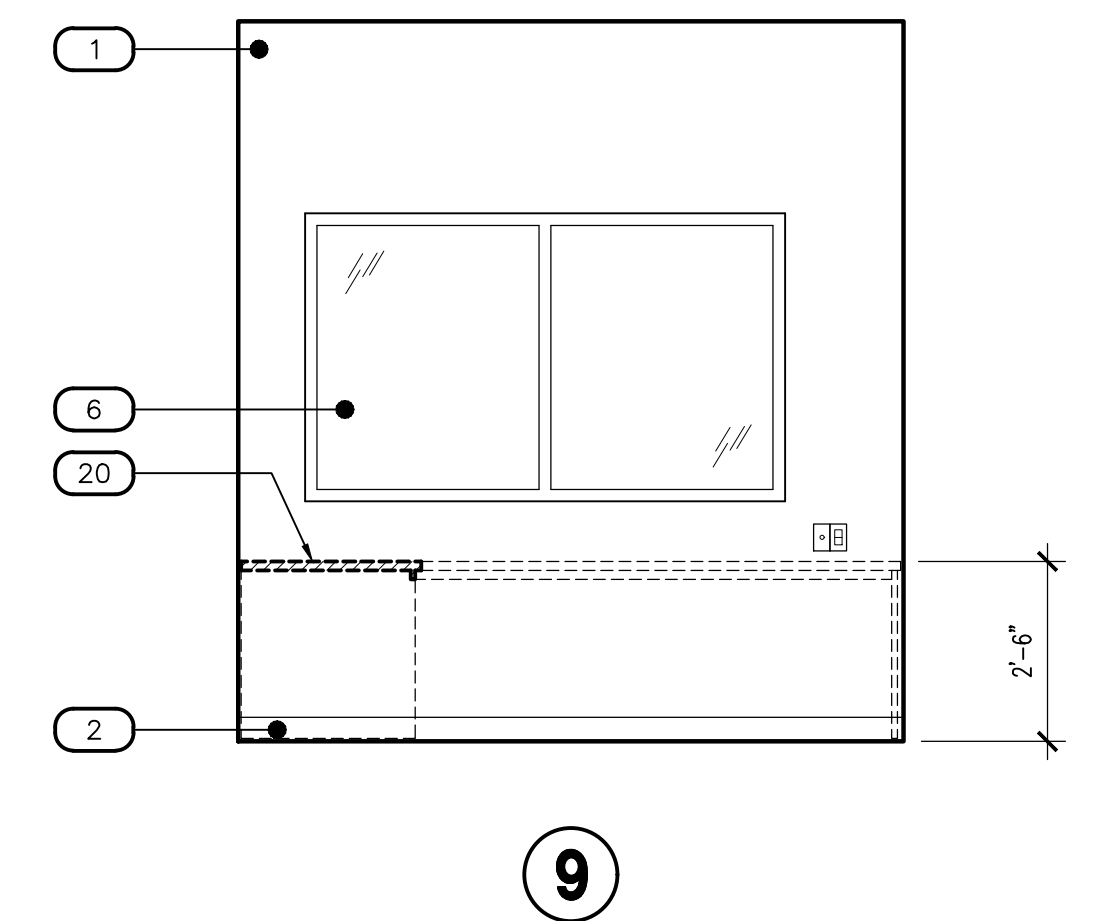
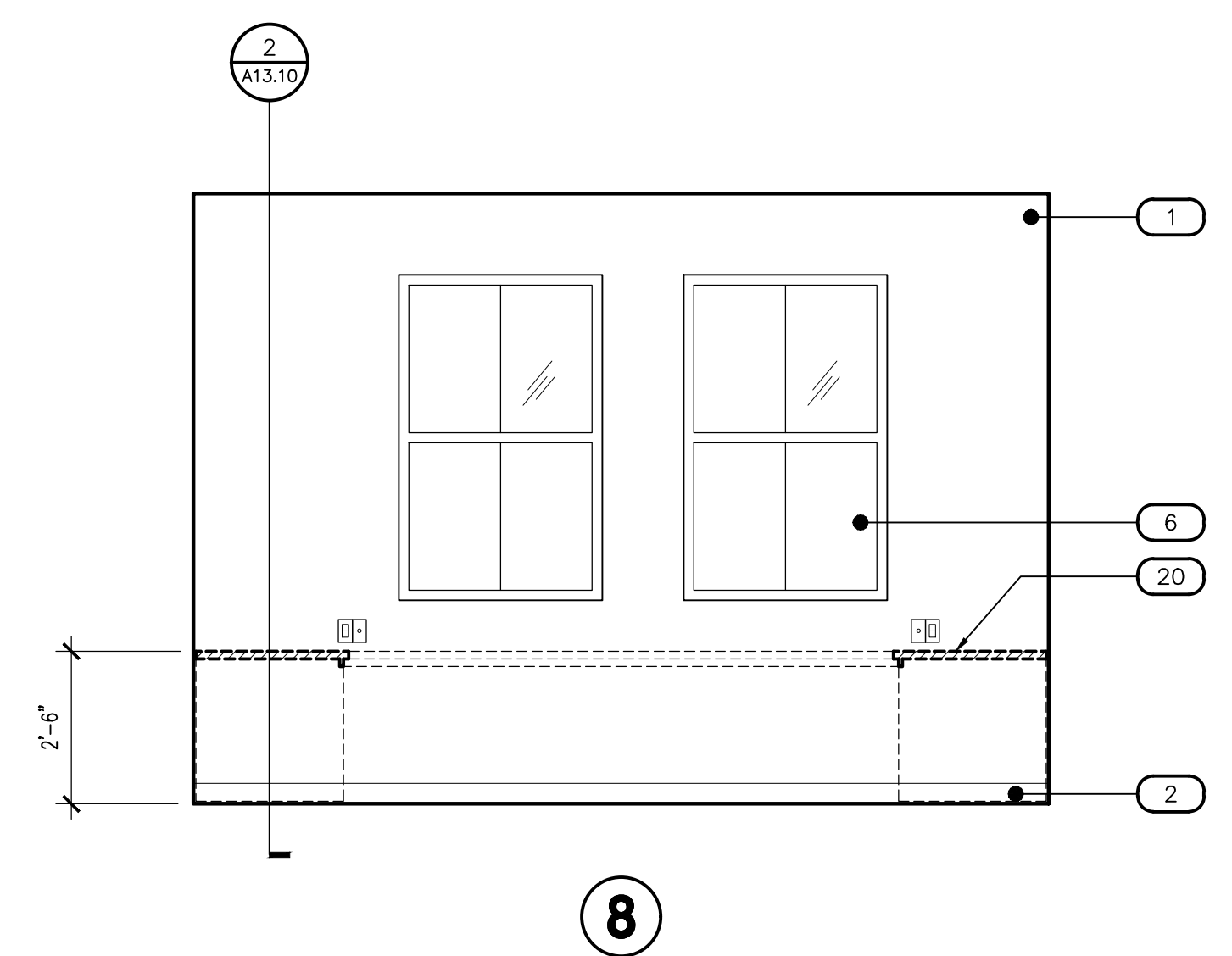
PUBLIC TOILET - 102

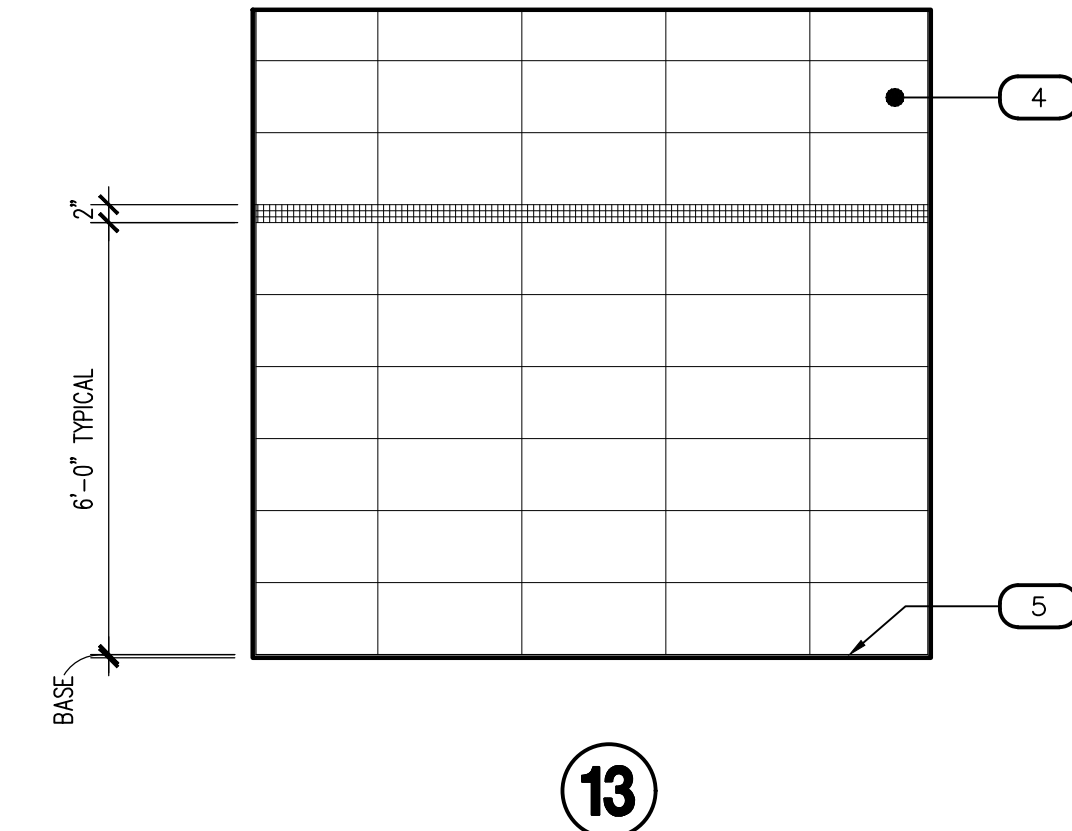
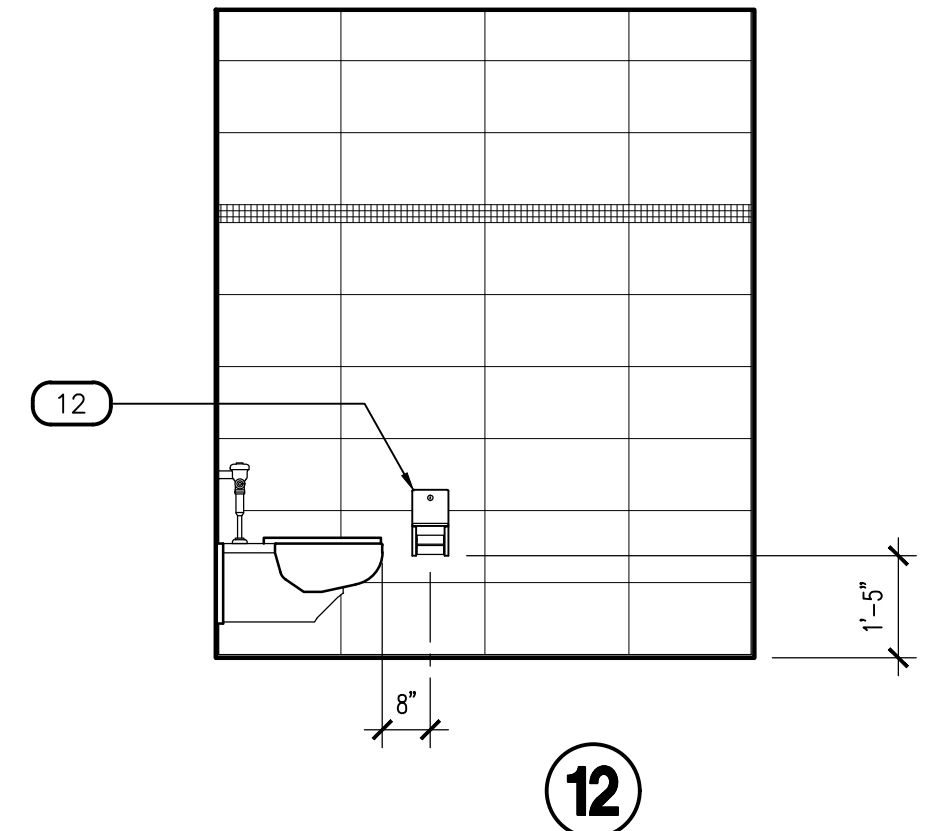
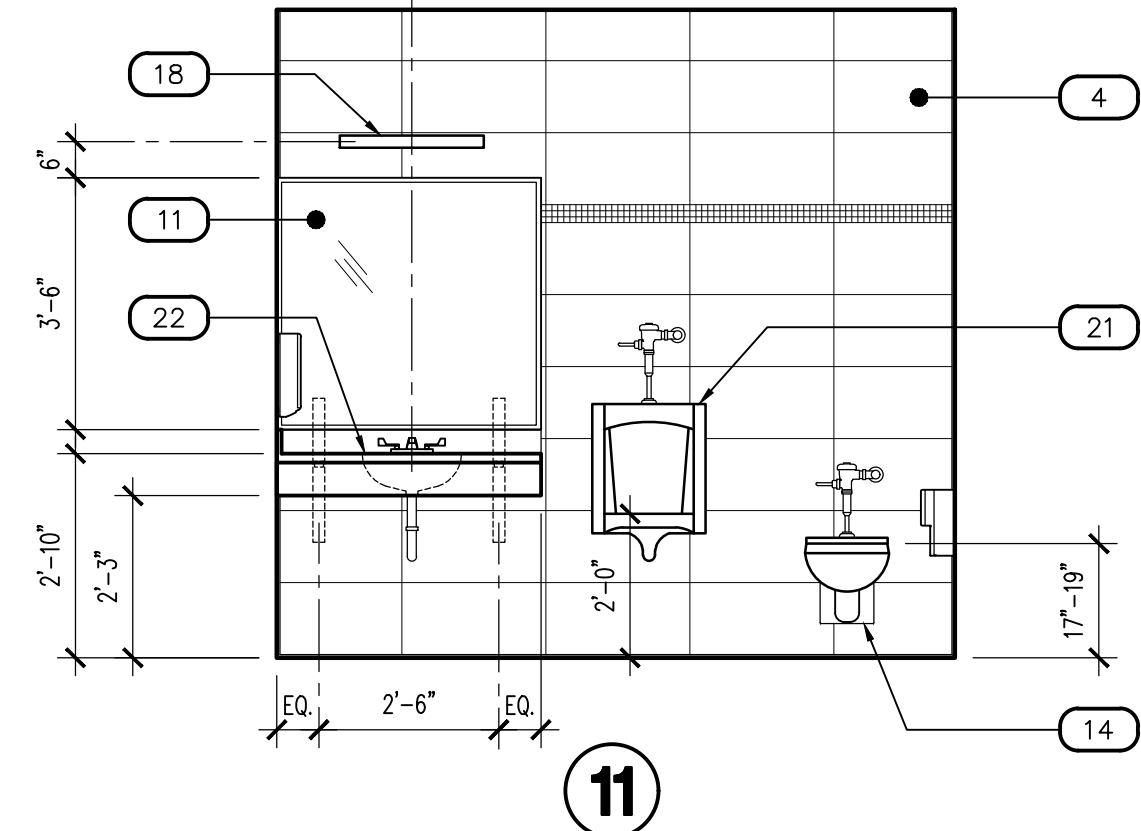
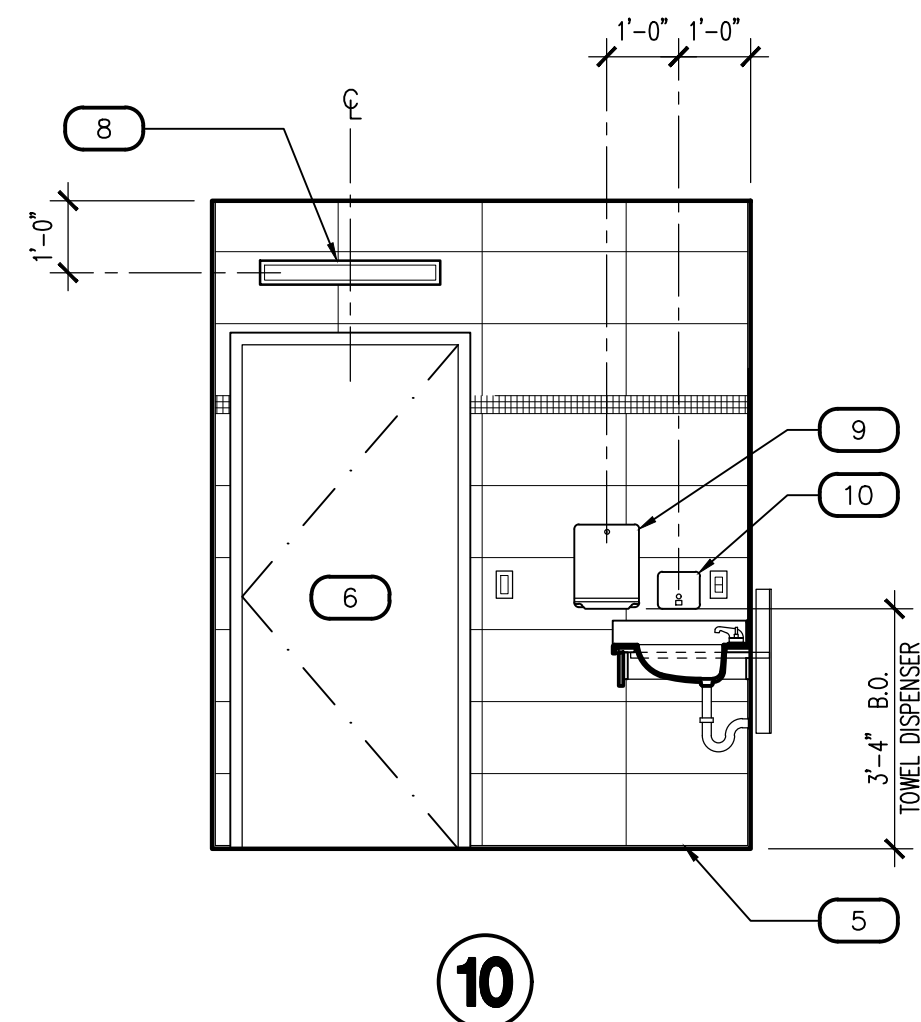
SCALE: 3/8" = 1'-0"



F.F. OFFICE - 104

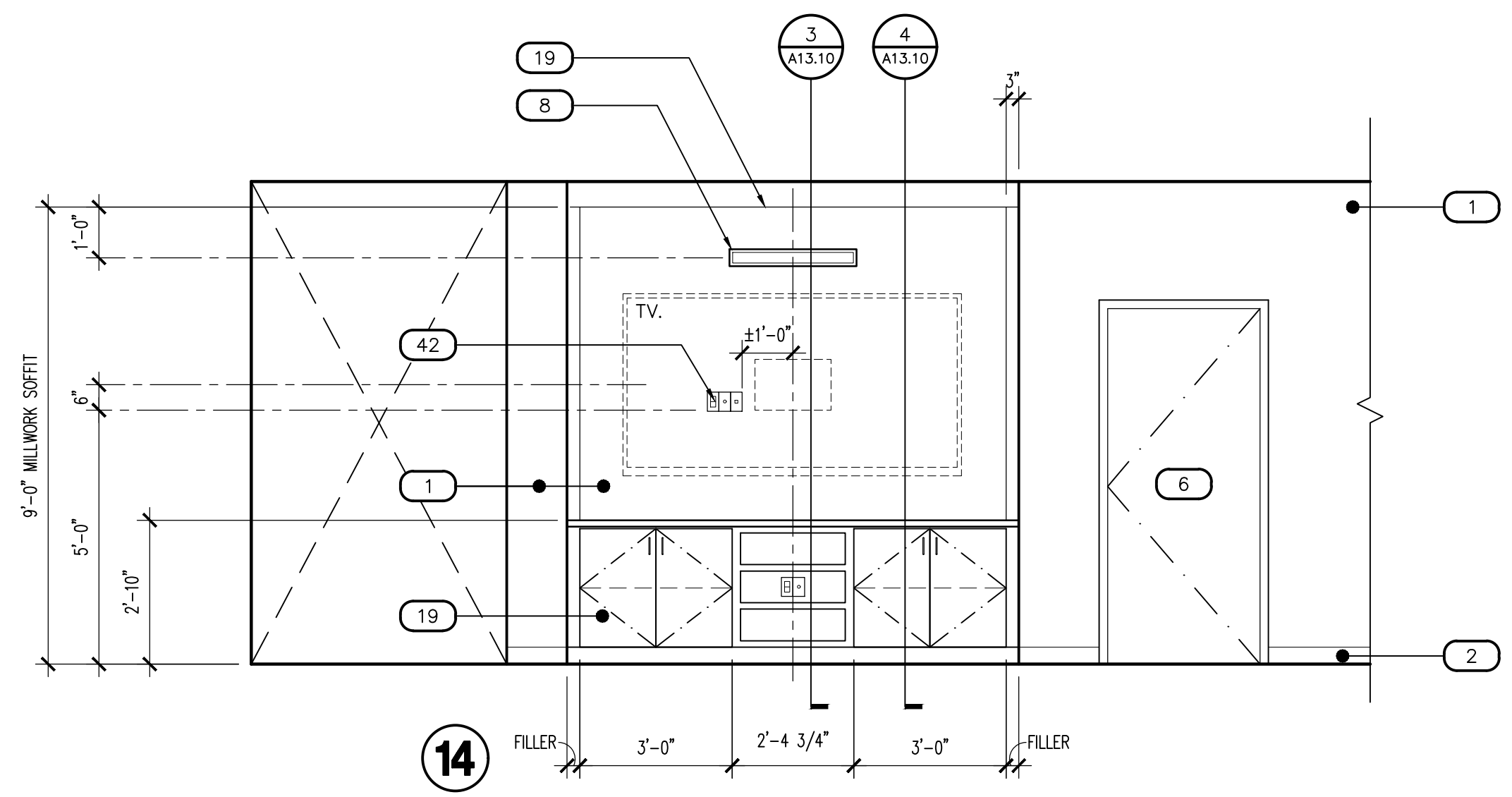
SCALE: 3/8" = 1'-0"





TOILET - 105

SCALE: 3/8" = 1'-0"

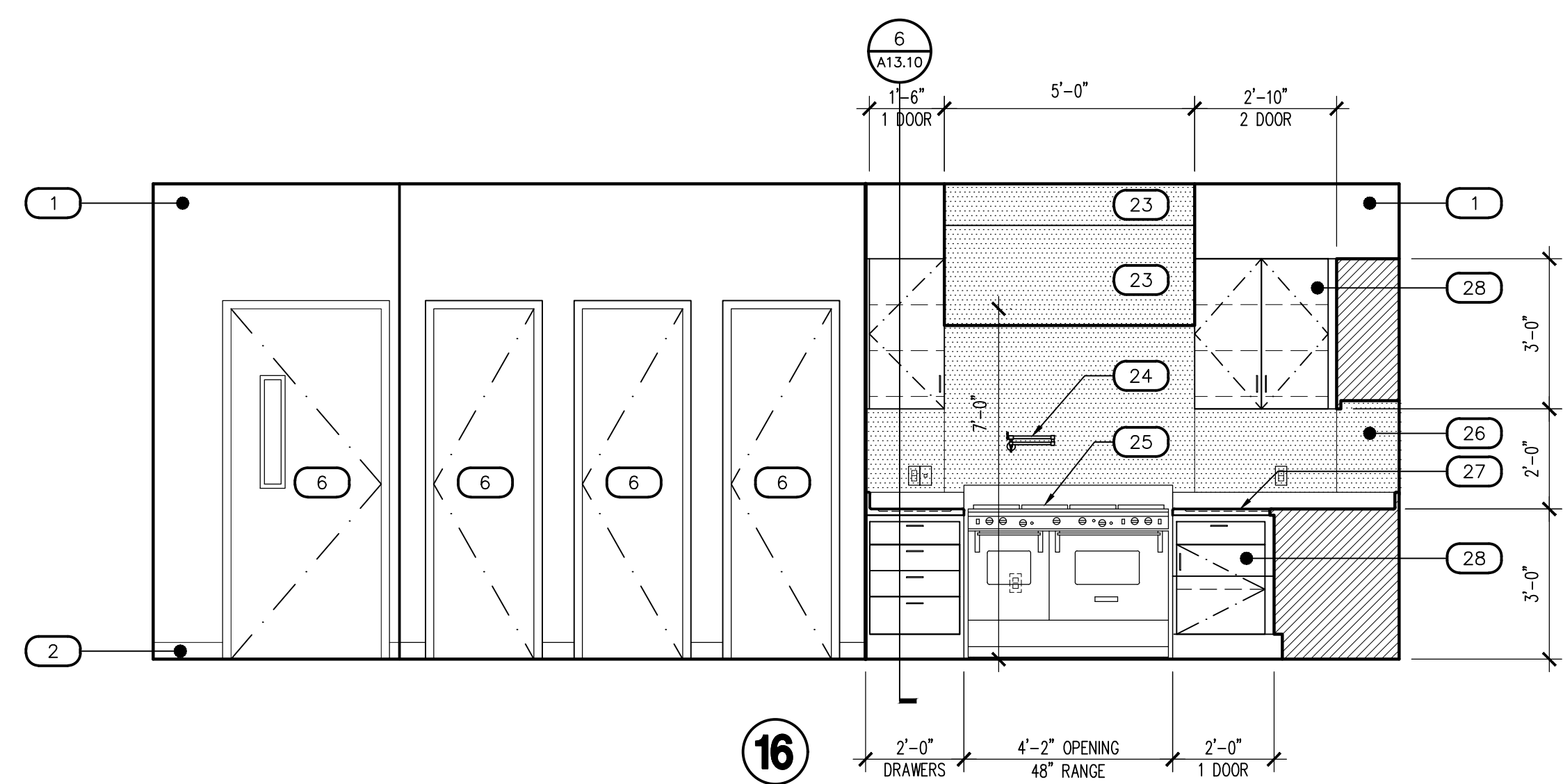


DINING - 107

SCALE: 3/8" = 1'-0"

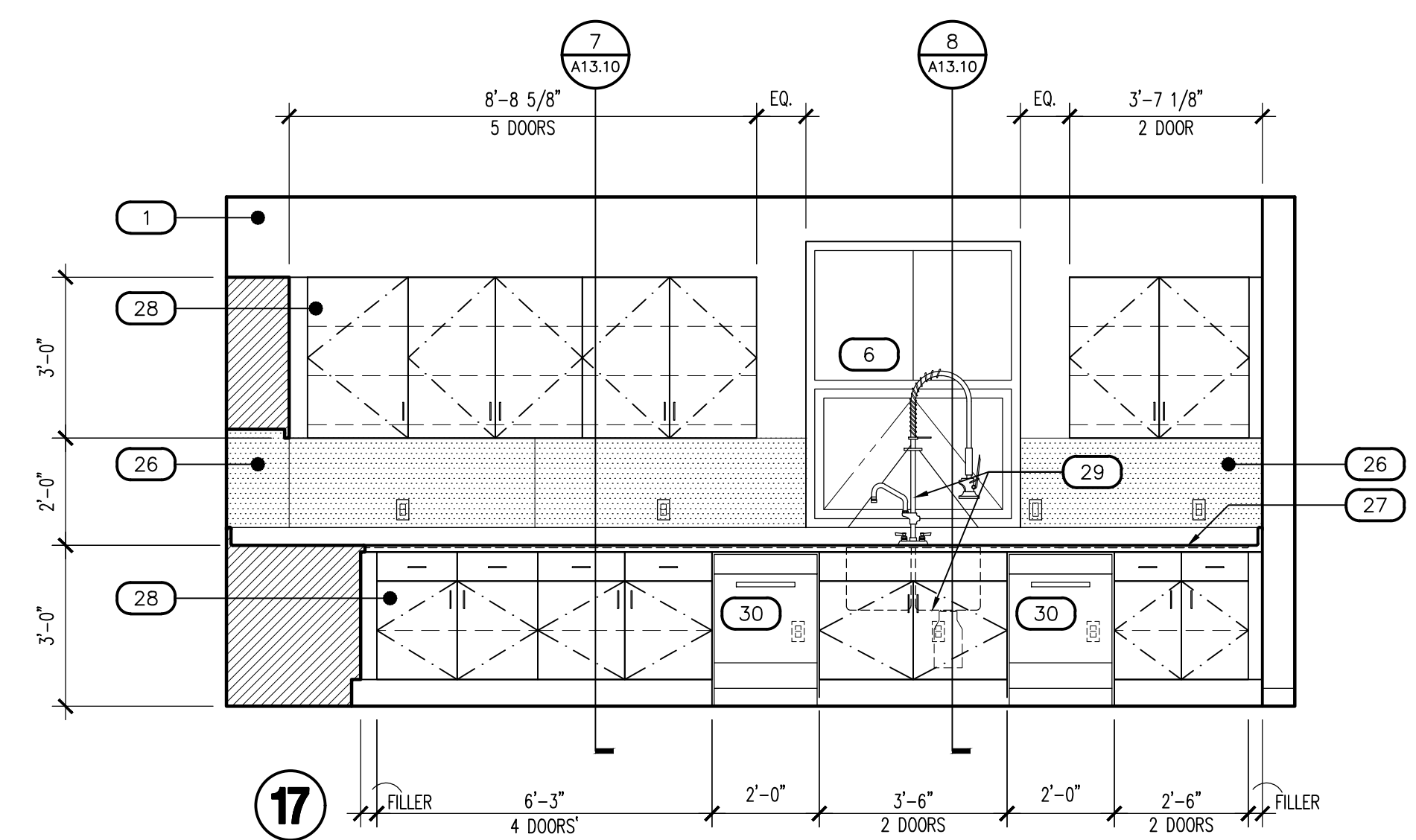
KITCHEN - 108

SCALE: 3/8" = 1'-0"



KITCHEN - 108

SCALE: 3/8" = 1'-0"

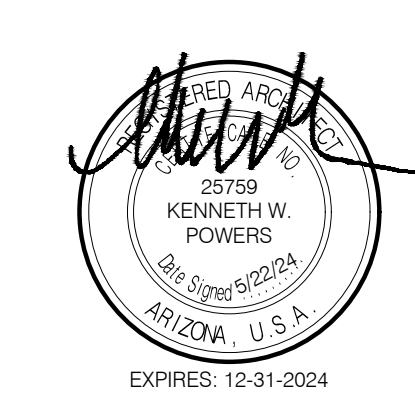


KEYNOTES

#	DESCRIPTION
1	GYPSUM BOARD, FINISH AND PAINT AS SCHEDULED
2	WALL BASE AS SCHEDULED
3	DUAL HEIGHT ADA ELECTRIC DRINKING FOUNTAIN, WALL MOUNTED WITH STAINLESS STEEL TOP, SEE PLUMBING DRAWINGS
4	TILE WALL COVERING AS SCHEDULED
5	COVE SHAPED TRANSITION AS SCHEDULED
6	DOOR / WINDOW SYSTEM AS SCHEDULED
7	WALL MOUNTED BABY CHANGING STATION
8	ALERT SIGNAGE LOCATION
9	SURFACE MOUNTED PAPER TOWEL DISPENSER, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-4262
10	SURFACE MOUNTED SOAP DISPENSER, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-4112
11	SURFACE MOUNTED MIRROR, WITH STAINLESS STEEL FRAME, SIZE AS NOTED
12	SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-2888
13	ACCESSIBLE (ADA) LAVATORY, WALL HUNG WITH BLADE TYPE FAUCET HANDLE, SEE PLUMBING DRAWINGS
14	ACCESSIBLE (ADA) WATER CLOSET, WALL MOUNTED, FLUSH VALVE WITH SPLIT FRONT SEAT, WHITE, SEE PLUMBING DRAWINGS
15	36" STAINLESS STEEL GRAB BAR, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-6806
16	18" STAINLESS STEEL VERTICAL GRAB BAR, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-6806 x 18"
17	42" STAINLESS STEEL GRAB BAR, PROVIDE BACKING AT STUD WALL PARTITIONS, MFR: BOBRICK, NO: B-6806 x 42"
18	LIGHTING, SEE ELECTRICAL
19	MILLWORK, SEE MILLWORK DETAILS AND FINISH SCHEDULE
20	MODULAR FURNITURE, SEE FINISH SCHEDULE, O.F.O.I.
21	URINAL, WALL MOUNTED FLUSH VALVE, SEE PLUMBING DRAWINGS
22	COUNTERTOP WITH INTEGRAL OVAL SINK AND FAUCET WITH BLADE TYPE HANDLE, SEE PLUMBING DRAWINGS
23	TYPE I RANGE HOOD WITH INTEGRATED FIRE SUPPRESSION SYSTEM, LIGHT AND SIDEWALL EXHAUST TO OUTSIDE AIR, SEE MECHANICAL DRAWINGS, STAINLESS STEEL CONSTRUCTED HOOD SHROUD TO CEILING
24	POT FILLER FAUCET, WALL MOUNTED ABOVE RANGE, SEE PLUMBING DRAWINGS
25	RESIDENTIAL GRADE 48"W 4-BURNER AND GRILL / GRIDDLE RANGE TOP WITH OVEN, C.F.C.I., SEE PLUMBING DRAWINGS, FLOW TO HOOD STAINLESS STEEL WALL GUARD, AT RANGE LOCATION
26	STAINLESS STEEL BACKSPLASH TO UNDERSIDE OF CABINETS AT COUNTERTOP LOCATIONS
27	STAINLESS STEEL COUNTERTOP WITH MARINE EDGES
28	STAINLESS STEEL CABINETS, MFR. TO SUBMIT SHOP DRAWINGS FOR ARCHITECT APPROVAL
29	DOUBLE WELL STAINLESS STEEL KITCHEN SINK INTEGRAL WITH COUNTERTOP, FAUCET, DISPOSER, SEE PLUMBING DRAWINGS
30	RESIDENTIAL GRADE DISHWASHER, PROVIDE AIR GAP, SEE PLUMBING DRAWINGS
31	SINGLE BOWL INTEGRAL SINK, WITH FAUCET, SEE PLUMBING DRAWINGS
32	CLEAR GYM MIRROR WITH SAFETY BACKING, TO RUN LENGTH OF WALL
33	SHOWER ENCLOSURE WITH PRECAST TERRAZZO SHOWER BASE, SHOWER HEAD WITH PRESSURE ADJUSTABLE SPRAY AND VOLUME CONTROL, SEE PLUMBING DRAWINGS
34	ADA SHOWER FIXTURE, WITH TWO WALL GRAB BARS AND 18" VERTICAL GRAB BAR
35	SHOWER CURTAIN ROD ANCHORED AT EACH END, VERIFY OPENING WIDTH, SHOWER CURTAIN HOOKS BY BOBRICK, HEAVY DUTY VINYL SHOWER CURTAIN
36	SURFACE MOUNTED S. STEEL UTILITY HOOK, PROVIDE CONTINUOUS SOLID BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: 6707
37	14" FIXED STAINLESS STEEL SHELF
38	STAINLESS STEEL COUNTERTOP
39	SERVICE SINK WITH STAINLESS STEEL BACKSPLASH, SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
40	LAUNDRY WASHER AND DRYER, SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
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56	ROOF DRAIN LEADER, SEE PLUMBING DRAWINGS
57	CARD READER LOCATION, SEE SHEET A10.01

Note:
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Revisions	Date
CITY COMMENTS	5/22/24



Designed By:
ET / GA

Drawn By:
TA / RS

Checked By:
GA / TA

Date:
12/14/2023

Phase:
PERMIT

Perlman
Architects of Arizona
2929 North Central Avenue, Suite # 1600
Phoenix, Arizona 85012
480.951.5900 480.951.3045
perlman.com

Title:
FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
Index No:
FD57100020-3

KIVA # **23-1810**
SDEV # **2300473**

INTERIOR
ELEVATIONS
A4.02

Revisions	Date
△ CITY COMMENTS	5/22/24



Designed By:
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Index No:
FD57100020-3

CITY OF PHOENIX
OFFICE OF THE CITY ENGINEER
FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

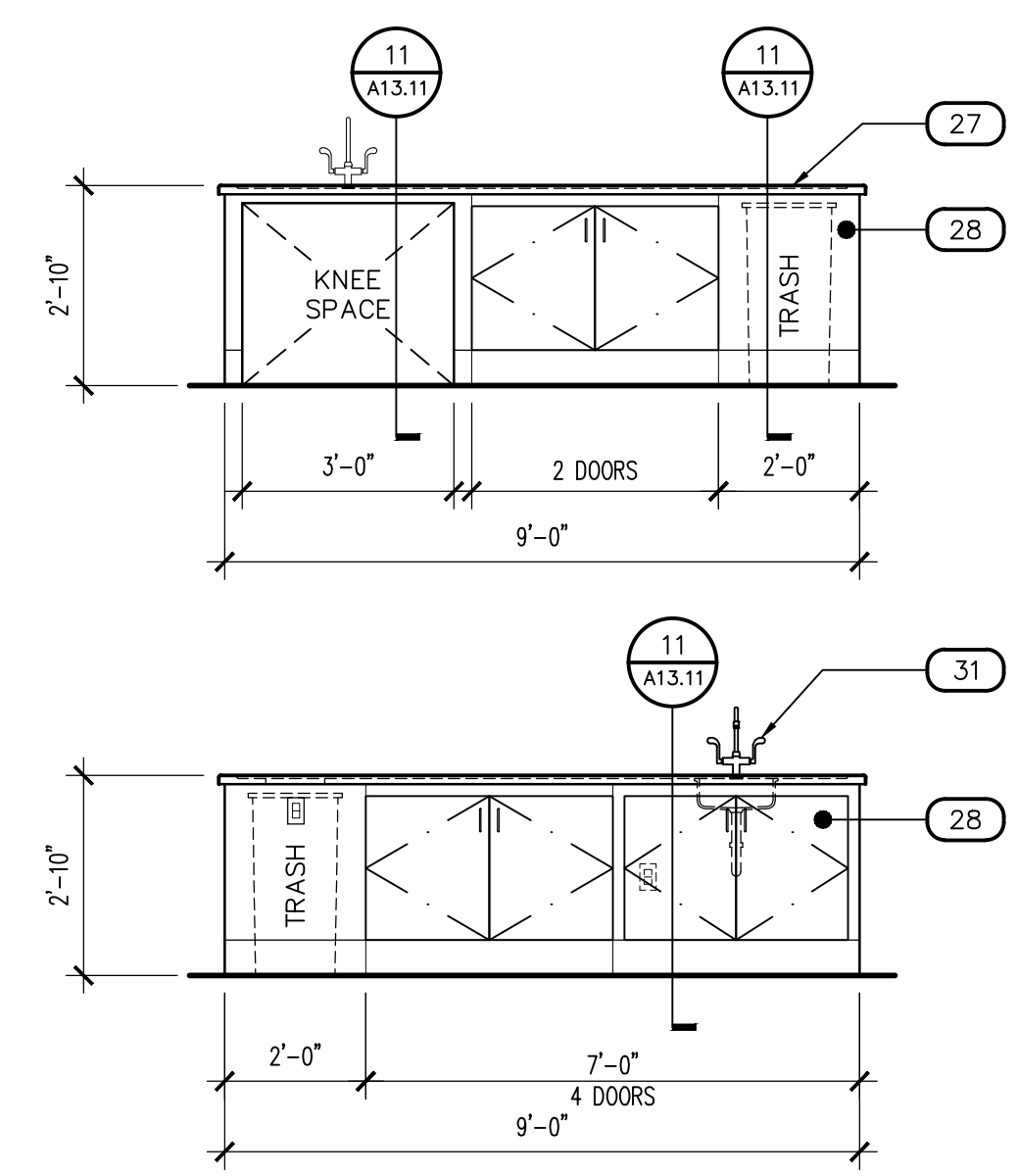
KIVA # **23-1810**
SDEV # **2300473**

INTERIOR ELEVATIONS
A4.03

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56	ROOF DRAIN LEADER, SEE PLUMBING DRAWINGS
57	CARD READER LOCATION, SEE SHEET A10.01

N-INTELEV

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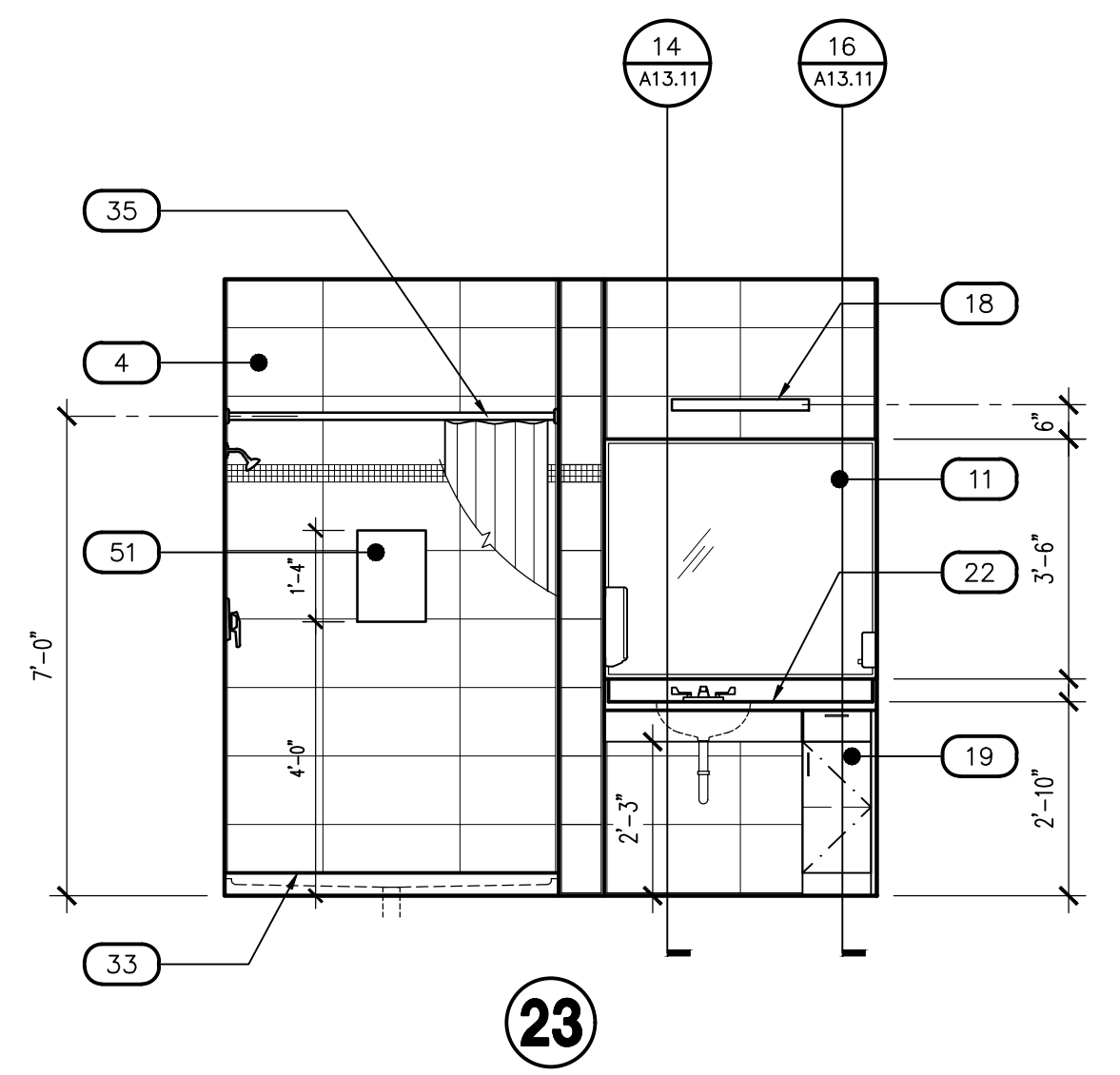
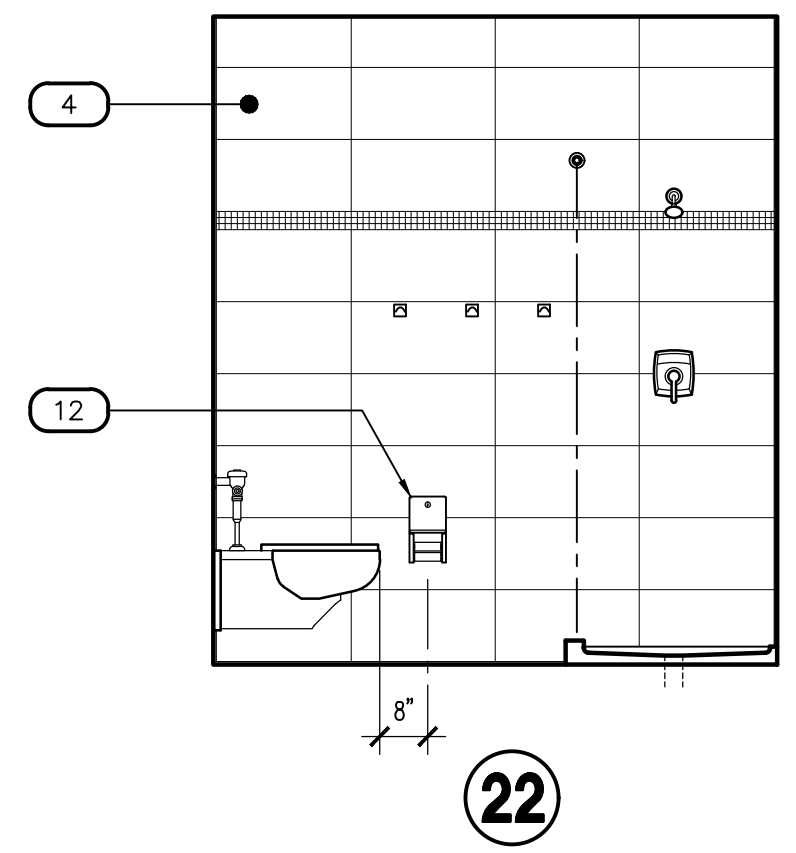
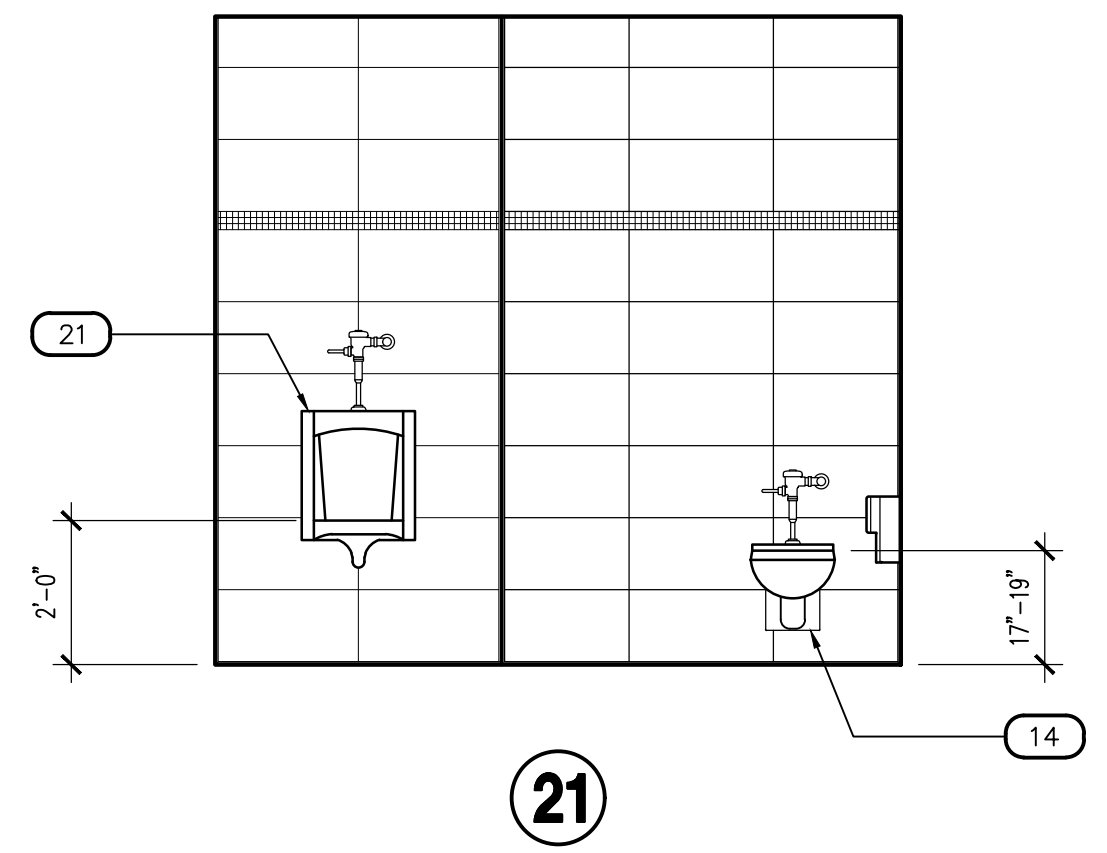
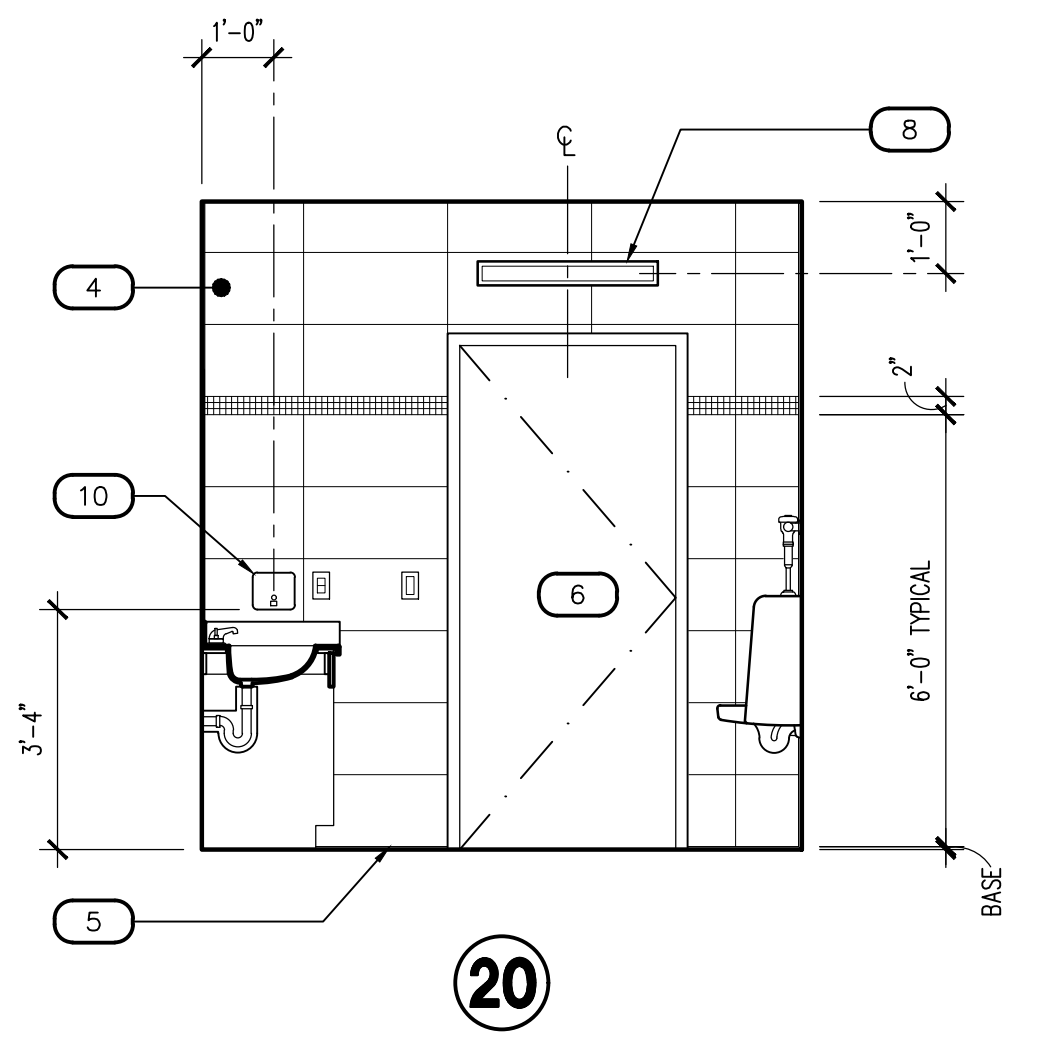


KITCHEN - 108

SCALE: 3/8" = 1'-0"

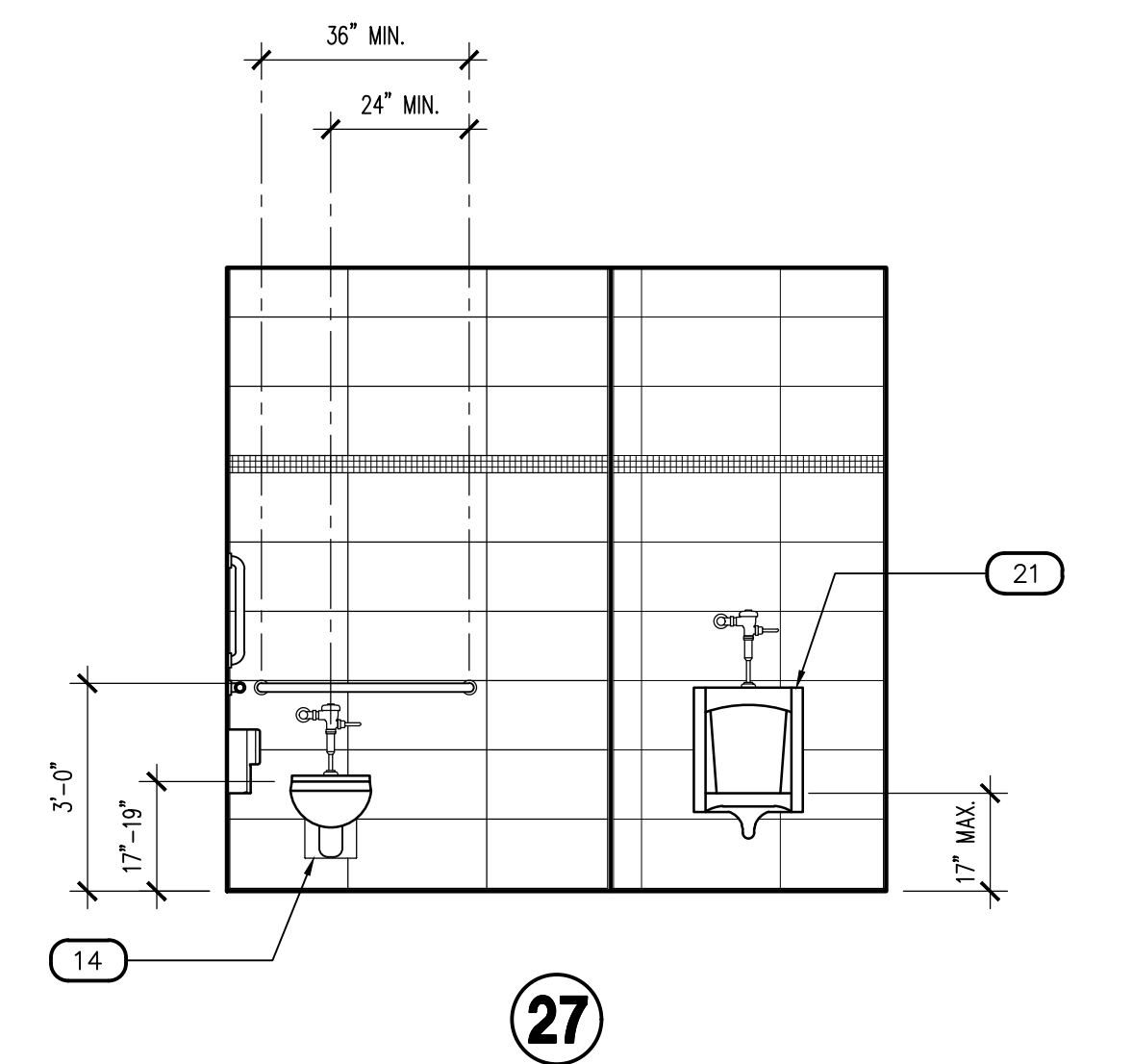
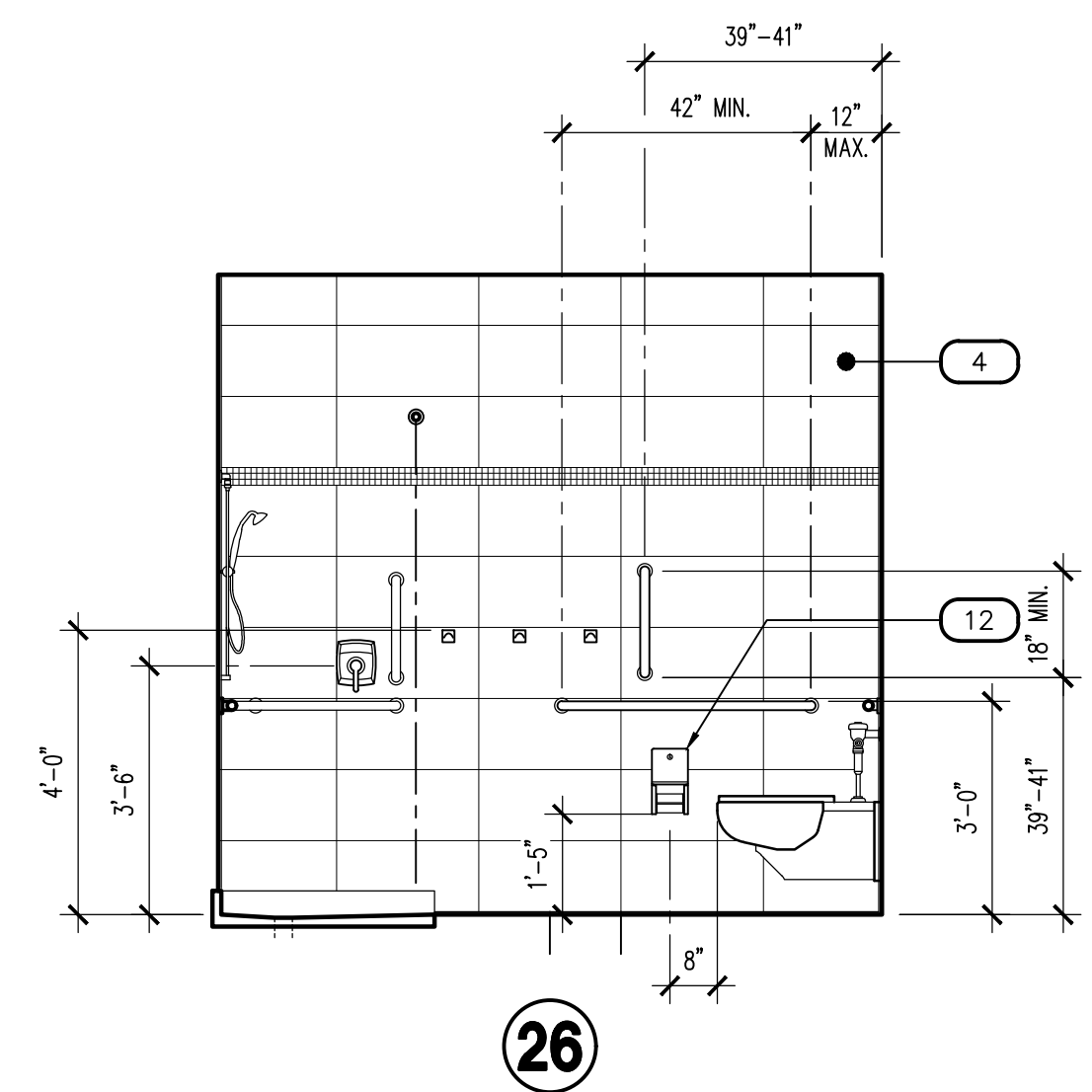
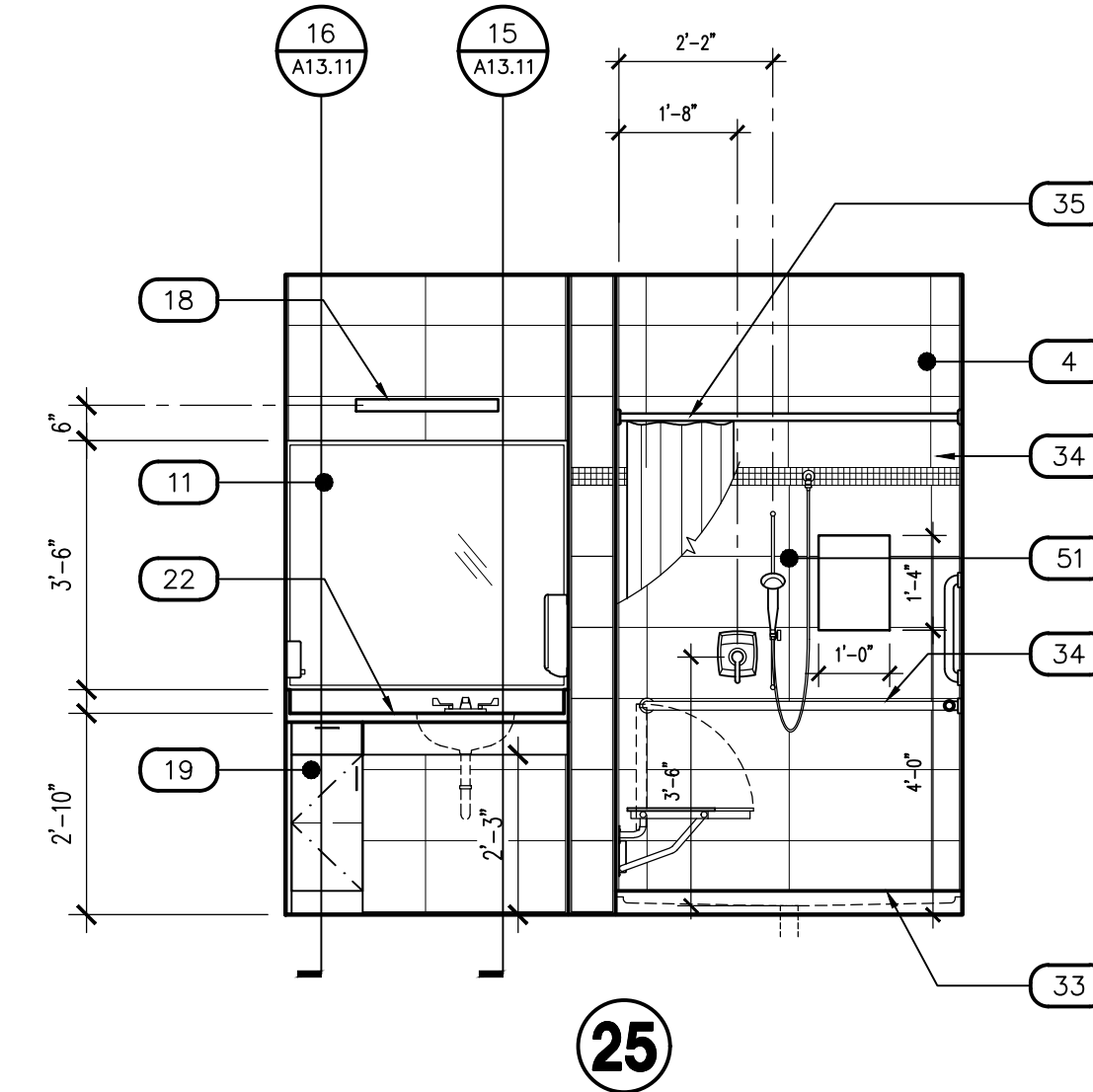
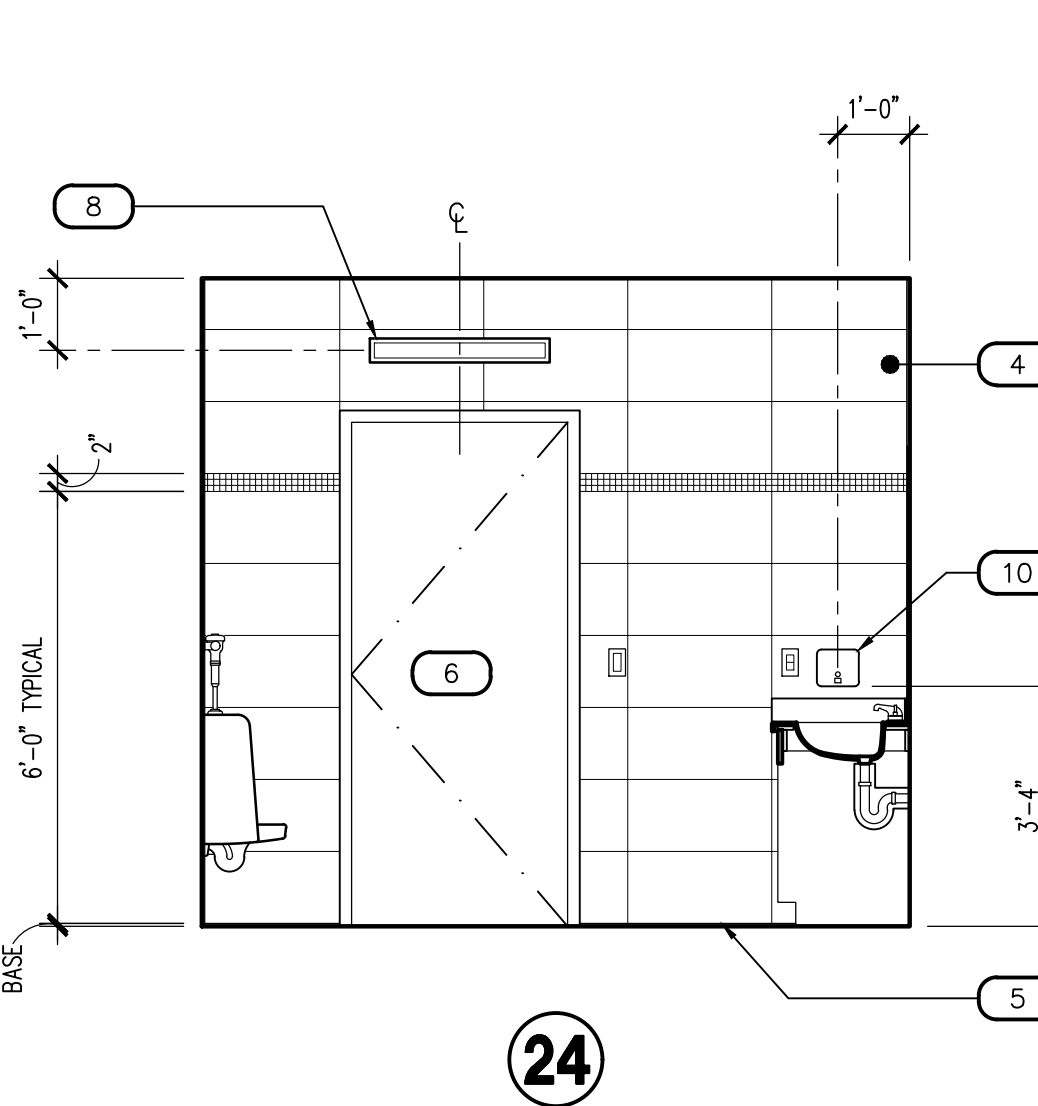
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SCALE: 3/8" = 1'-0"



TOILET/ SHOWER - 113 (TOILET/ SHOWER - 114 SIM.)

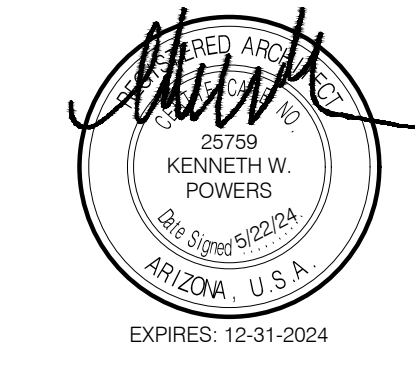
SCALE: 3/8" = 1'-0"



ADA TOILET/ SHOWER - 115

SCALE: 3/8" = 1'-0"

Revisions	Date
△ CITY COMMENTS	5/22/24



Designed By:
ET / GA

Drawn By:
TA / RS

Checked By:
GA / TA

Date:
12/14/2023

Phase:
PERMIT

Perlman
Architects of Arizona
2929 North Central Avenue, Suite # 1600
Phoenix, Arizona 85012
480.951.5900 480.951.3045
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Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
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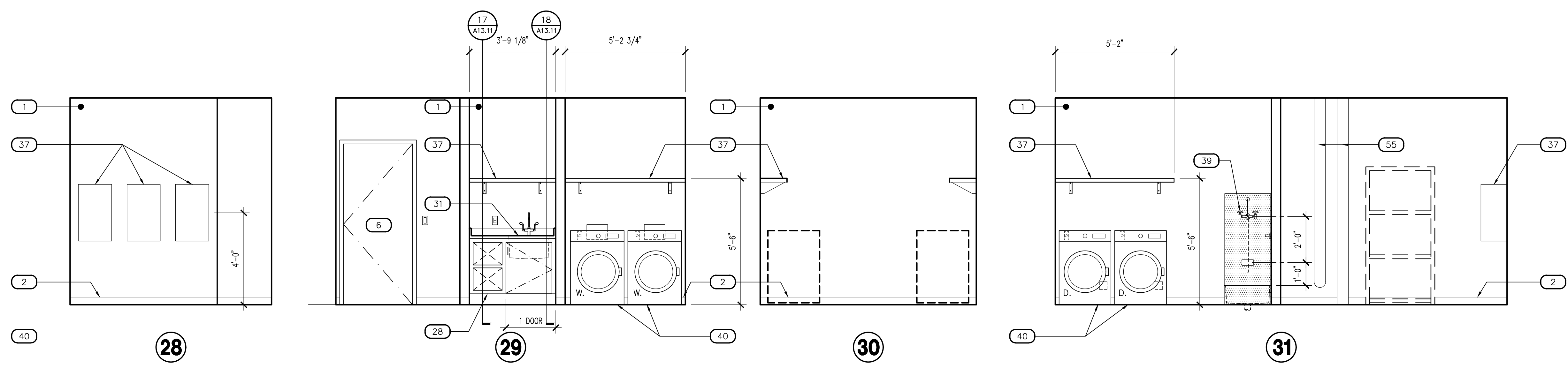


KIVA # **23-1810**
SDEV # **2300473**

**INTERIOR
ELEVATIONS
A4.04**

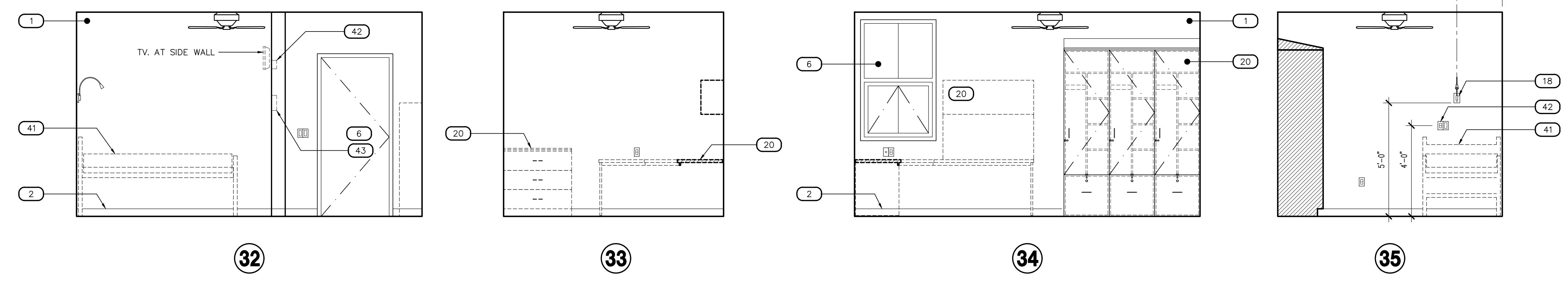
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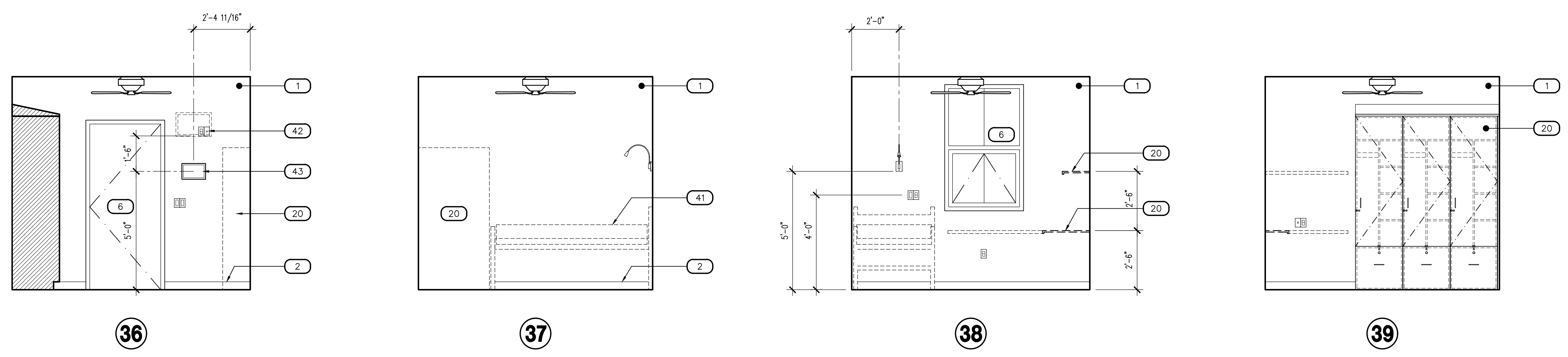
LAUNDRY/ JANITOR - 117

SCALE: 3/8" = 1'-0"



CAPTAIN'S DORM - 120 (CAPTAIN'S DORM - 129 MIRR., CAPTAIN'S DORM 118 ROTATED)

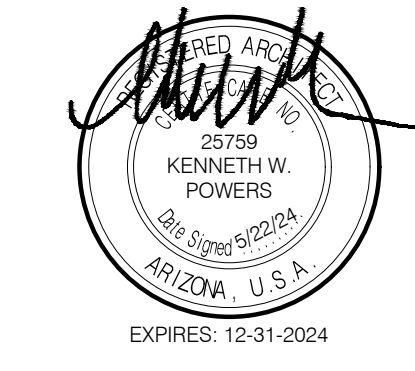
SCALE: 3/8" = 1'-0"



DORM - 121 (DORMS 122-124 SIM. ; DORMS 125-128 MIRR.)

SCALE: 3/8" = 1'-0"

Revisions	Date
△ CITY COMMENTS	5/22/24



Designed By:
ET / GA

Drawn By:
TA / RS

Checked By:
GA / TA

Date:
12/14/2023

Phase:
PERMIT

Perlman
Architects of Arizona
2929 North Central Avenue, Suite # 1600
Phoenix, Arizona 85012
480.951.5900 480.951.3045
perlmanar.com

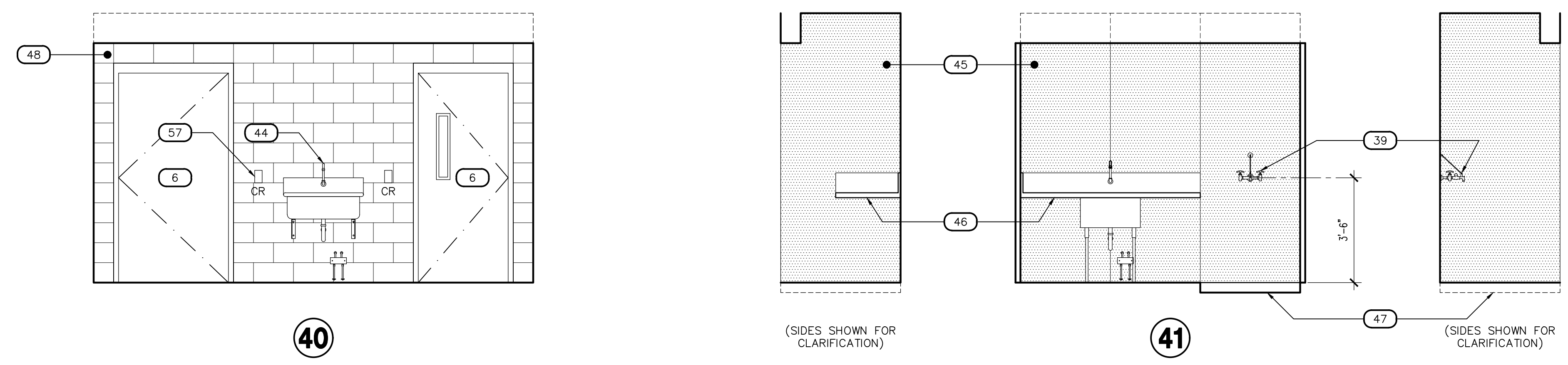
Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**
Index No:
FD57100020-3

CITY OF PHOENIX
OFFICE OF THE CITY ENGINEER
DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

KIVA # **23-1810**
SDEV # **2300473**

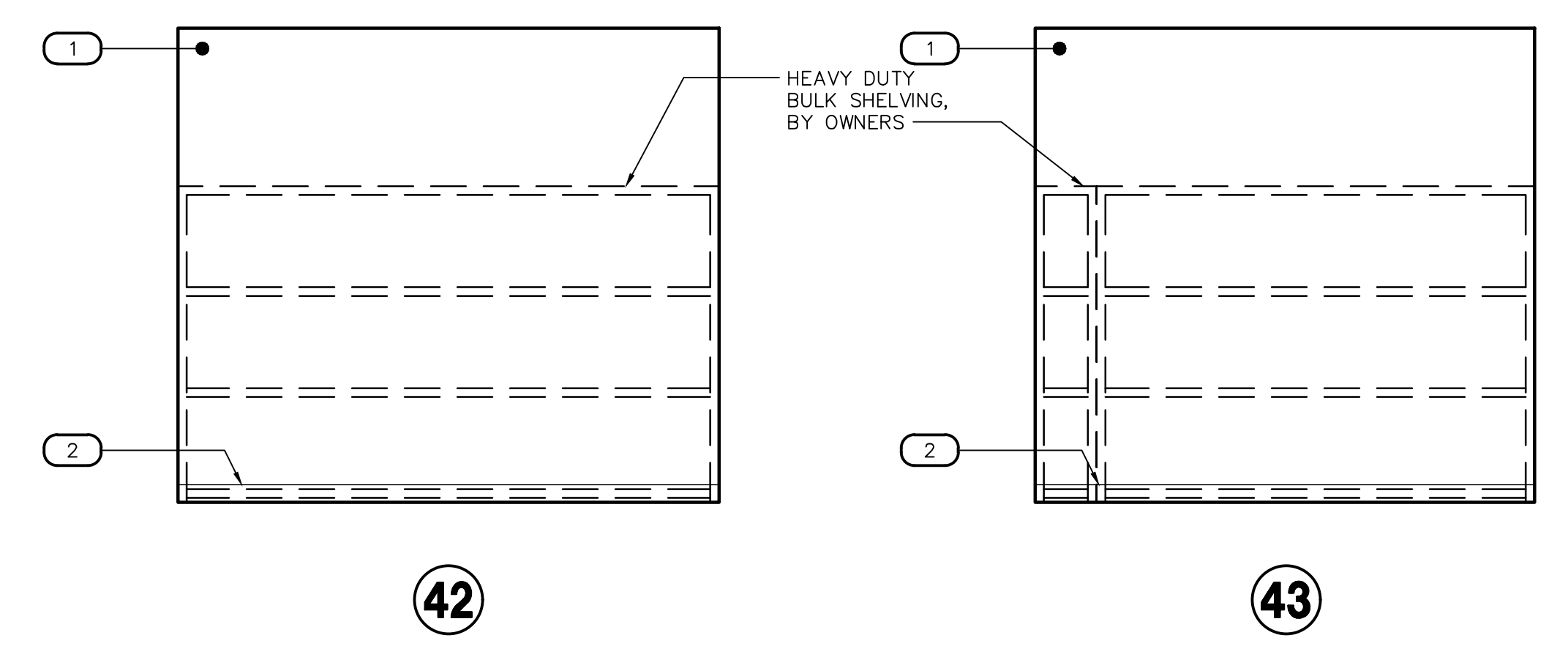
INTERIOR ELEVATIONS
A4.05

#	DESCRIPTION
1	GYPSUM BOARD, FINISH AND PAINT AS SCHEDULED
2	WALL BASE AS SCHEDULED
3	DUAL HEIGHT ADA ELECTRIC DRINKING FOUNTAIN, WALL MOUNTED WITH STAINLESS STEEL TOP, SEE PLUMBING DRAWINGS
4	TILE WALL COVERING AS SCHEDULED
5	COVE SHAPED TRANSITION AS SCHEDULED
6	DOOR / WINDOW SYSTEM AS SCHEDULED
7	WALL MOUNTED BABY CHANGING STATION
8	ALERT SIGNAGE LOCATION
9	SURFACE MOUNTED PAPER TOWEL DISPENSER, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-4262
10	SURFACE MOUNTED SOAP DISPENSER, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-4112
11	SURFACE MOUNTED MIRROR, WITH STAINLESS STEEL FRAME, SIZE AS NOTED
12	SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-2888
13	ACCESSIBLE (ADA) LAVATORY, WALL HUNG WITH BLADE TYPE FAUCET HANDLE, SEE PLUMBING DRAWINGS
14	ACCESSIBLE (ADA) WATER CLOSET, WALL MOUNTED, FLUSH VALVE WITH SPLIT FRONT SEAT, WHITE, SEE PLUMBING DRAWINGS
15	36" STAINLESS STEEL GRAB BAR, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-6806 x 36"
16	18" STAINLESS STEEL VERTICAL GRAB BAR, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-6806 x 18"
17	42" STAINLESS STEEL GRAB BAR, PROVIDE BACKING AT STUD WALL PARTITIONS, MFR: BOBRICK, NO: B-6806 x 42"
18	LIGHTING, SEE ELECTRICAL
19	MILLWORK, SEE MILLWORK DETAILS AND FINISH SCHEDULE
20	MODULAR FURNITURE, SEE FINISH SCHEDULE, O.F.O.I.
21	URINAL, WALL MOUNTED FLUSH VALVE, SEE PLUMBING DRAWINGS
22	COUNTERTOP WITH INTEGRAL OVAL SINK AND FAUCET WITH BLADE TYPE HANDLE, SEE PLUMBING DRAWINGS
23	TYPE I RANGE HOOD WITH INTEGRATED FIRE SUPPRESSION SYSTEM, LIGHT AND SIDEWALL EXHAUST TO OUTSIDE AIR, SEE MECHANICAL DRAWINGS, STAINLESS STEEL CONSTRUCTED HOOD SHROUD TO CEILING
24	POT FILLER FAUCET, WALL MOUNTED ABOVE RANGE, SEE PLUMBING DRAWINGS
25	RESIDENTIAL GRADE 48"W 4-BURNER AND GRILL / GRIDDLE RANGE TOP WITH OVEN, C.F.C.I., SEE PLUMBING DRAWINGS, FLOOR TO HOOD STAINLESS STEEL WALL GUARD, AT RANGE LOCATION
26	STAINLESS STEEL BACKSPASH TO UNDERSIDE OF CABINETS AT COUNTERTOP LOCATIONS
27	STAINLESS STEEL COUNTERTOP WITH MARINE EDGES
28	STAINLESS STEEL CABINETS, MFR. TO SUBMIT SHOP DRAWINGS FOR ARCHITECT APPROVAL
29	DOUBLE WELL STAINLESS STEEL KITCHEN SINK INTEGRAL WITH COUNTERTOP, FAUCET, DISPOSER, SEE PLUMBING DRAWINGS
30	RESIDENTIAL GRADE DISHWASHER, PROVIDE AIR GAP, SEE PLUMBING DRAWINGS
31	SINGLE BOWL INTEGRAL SINK, WITH FAUCET, SEE PLUMBING DRAWINGS
32	CLEAR GYM MIRROR WITH SAFETY BACKING, TO RUN LENGTH OF WALL
33	SHOWER ENCLOSURE WITH PRECAST TERRAZZO SHOWER BASE, SHOWER HEAD WITH PRESSURE ADJUSTABLE SPRAY AND VOLUME CONTROL, SEE PLUMBING DRAWINGS
34	ADA SHOWER FIXTURE, WITH TWO WALL GRAB BARS AND 18" VERTICAL GRAB BAR
35	SHOWER CURTAIN ROD ANCHORED AT EACH END, VERIFY OPENING WIDTH, SHOWER CURTAIN HOOKS BY BOBRICK, HEAVY DUTY VINYL SHOWER CURTAIN
36	SURFACE MOUNTED S. STEEL UTILITY HOOK, PROVIDE CONTINUOUS SOLID BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: 6707
37	14" FIXED STAINLESS STEEL SHELF
38	STAINLESS STEEL COUNTERTOP
39	SERVICE SINK WITH STAINLESS STEEL BACKSPASH, SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
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56	ROOF DRAIN LEADER, SEE PLUMBING DRAWINGS
57	CARD READER LOCATION, SEE SHEET A10.01



APPARATUS BAY - 132

SCALE: 3/8" = 1'-0"

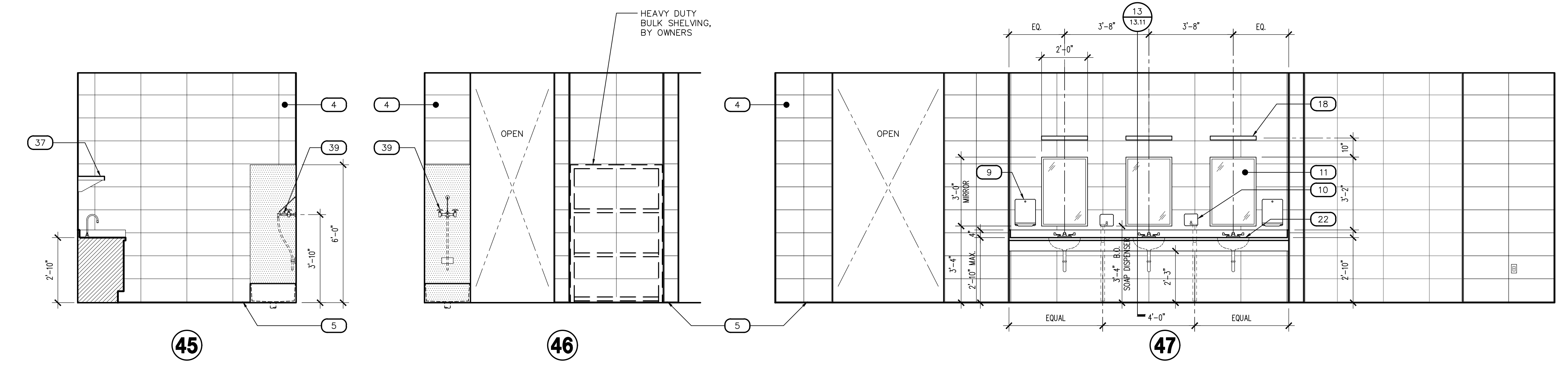
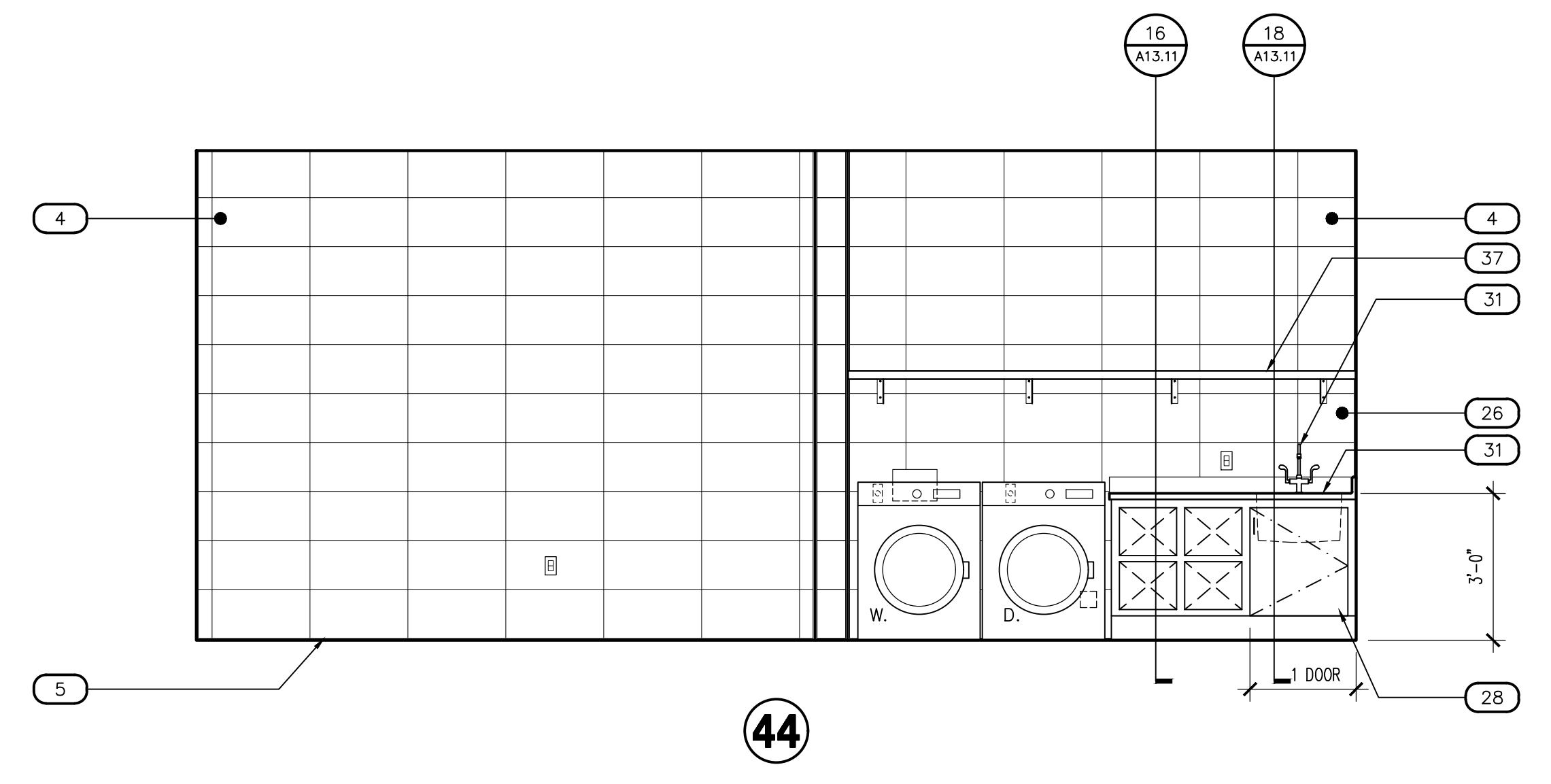


EMS - 133

SCALE: 3/8" = 1'-0"

DECON. LDY. / JANITOR - 141

SCALE: 3/8" = 1'-0"



DECON. LNDY. / JANITOR - 141

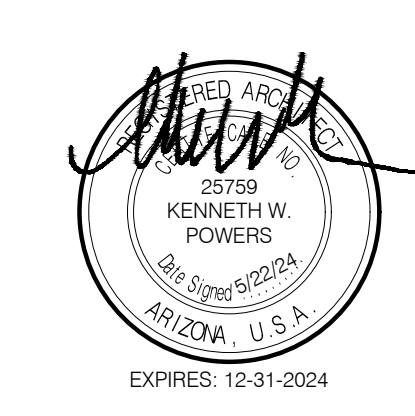
SCALE: 3/8" = 1'-0"

DECON. SHOWERS - 140

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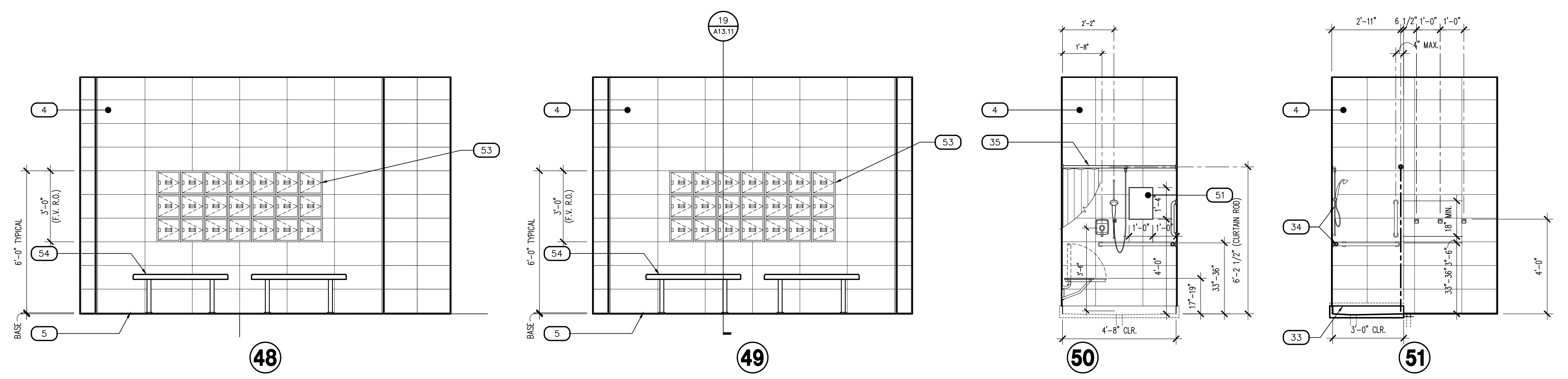
CITY OF PHOENIX
OFFICE OF THE CITY ENGINEER
FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

KIVA # **23-1810**
SDEV # **2300473**

INTERIOR ELEVATIONS
A4.06

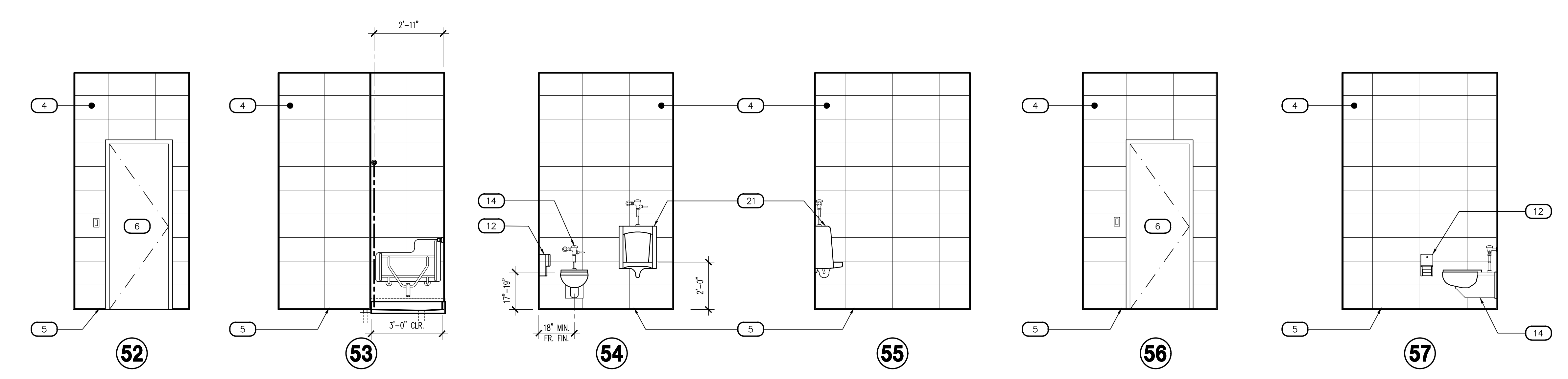
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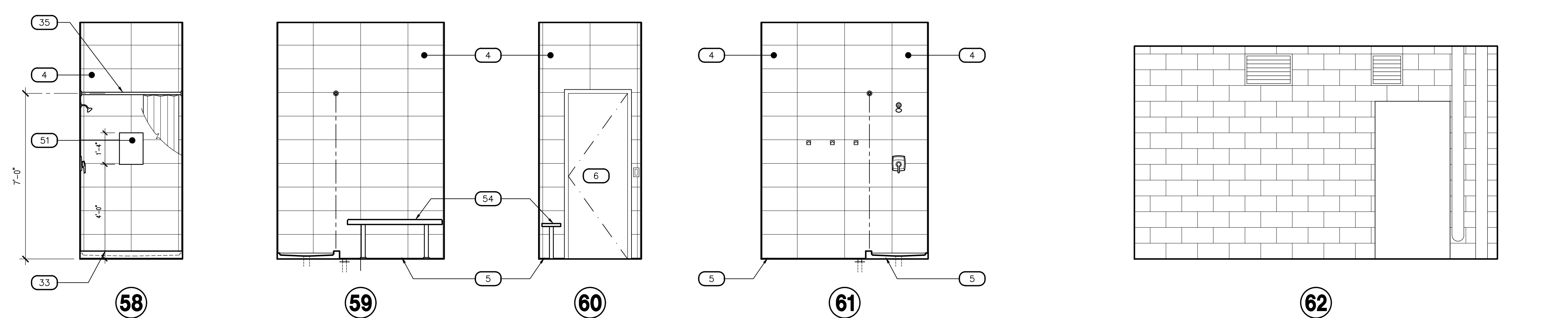
DECON. SHOWERS - 140

SCALE: 3/8" = 1'-0"



DECON. SHOWERS - 140

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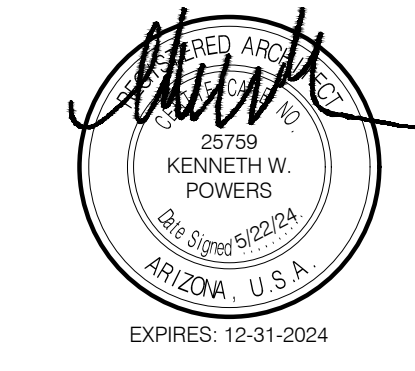
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S.C.B.A. - 135

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Revisions	Date
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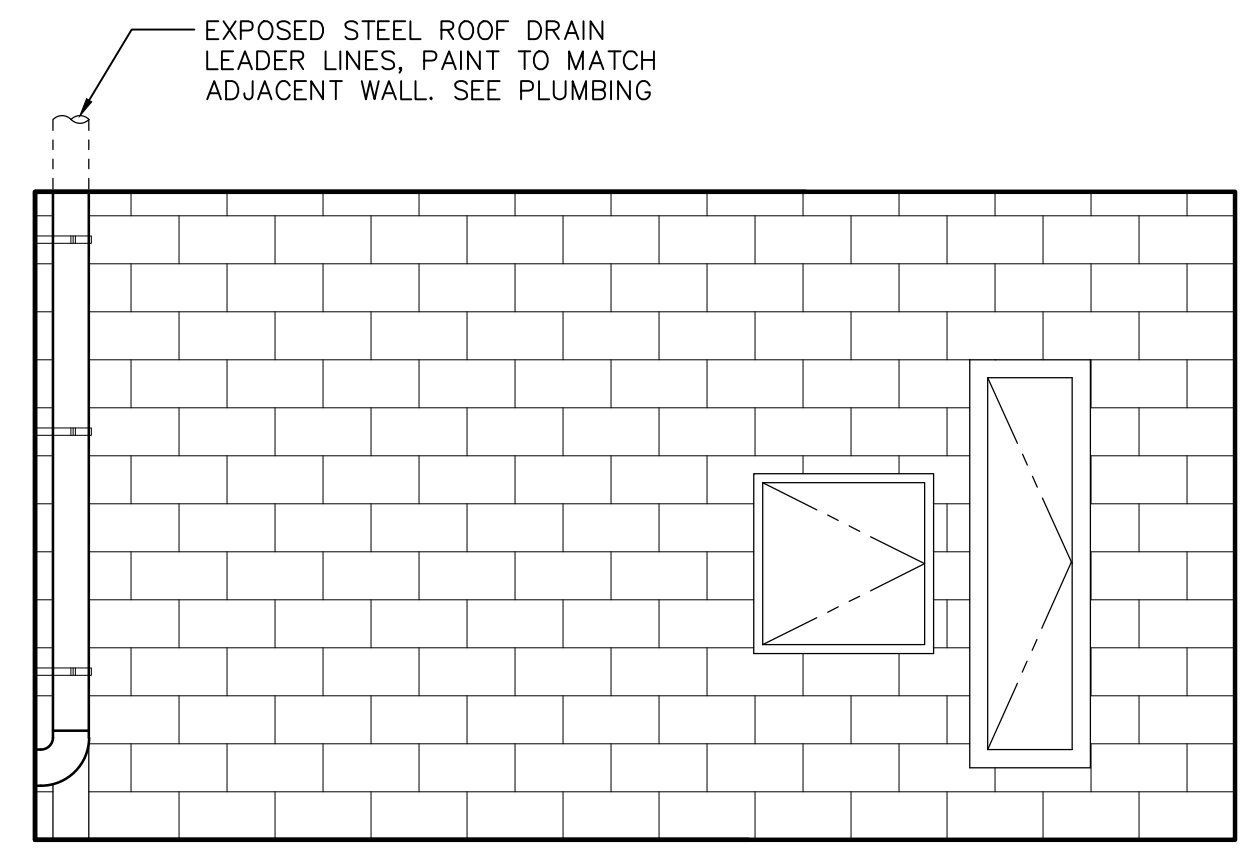
Index No:
FD57100020-3

**KIVA # 23-1810
SDEV # 2300473**

**INTERIOR
ELEVATIONS
A4.07**

CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

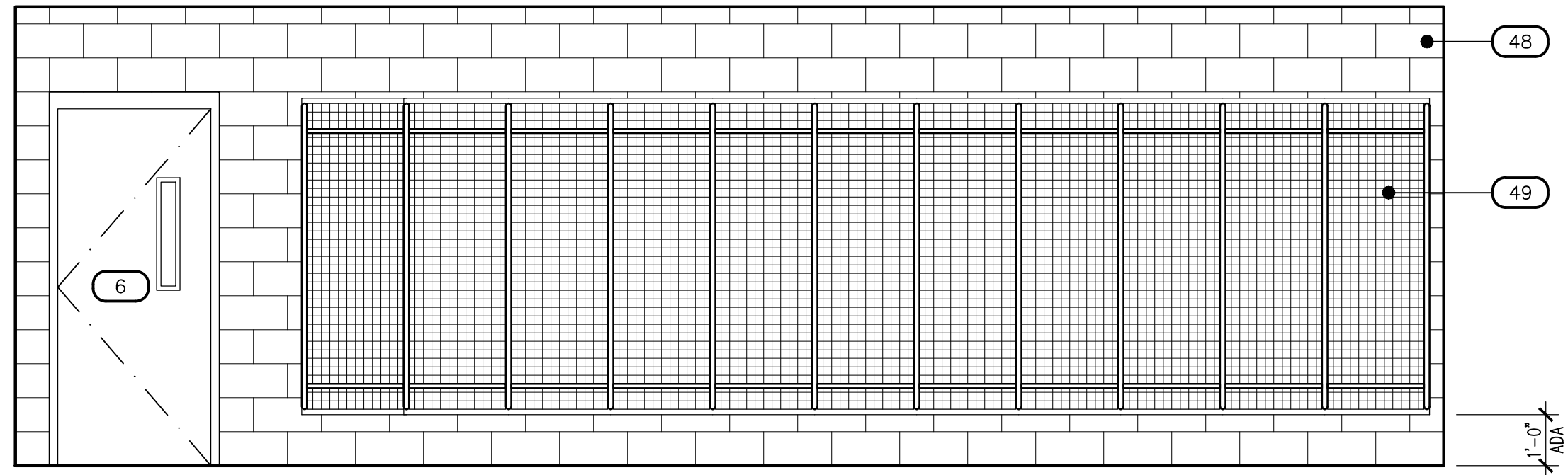
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63

S.C.B.A. - 135

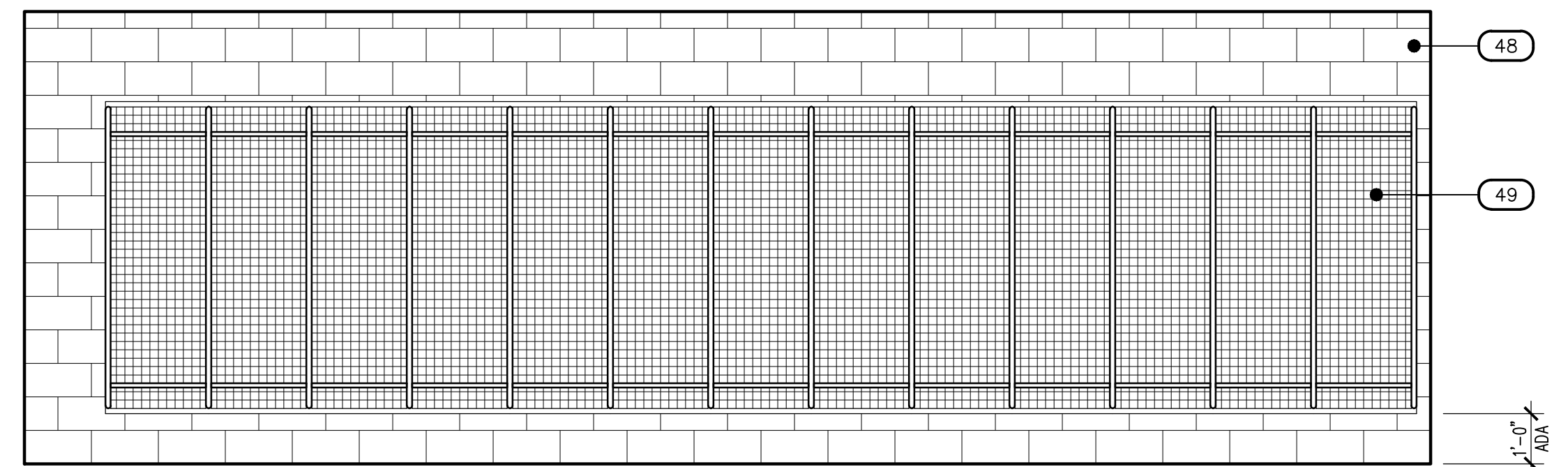
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64

TURNOUT - 134

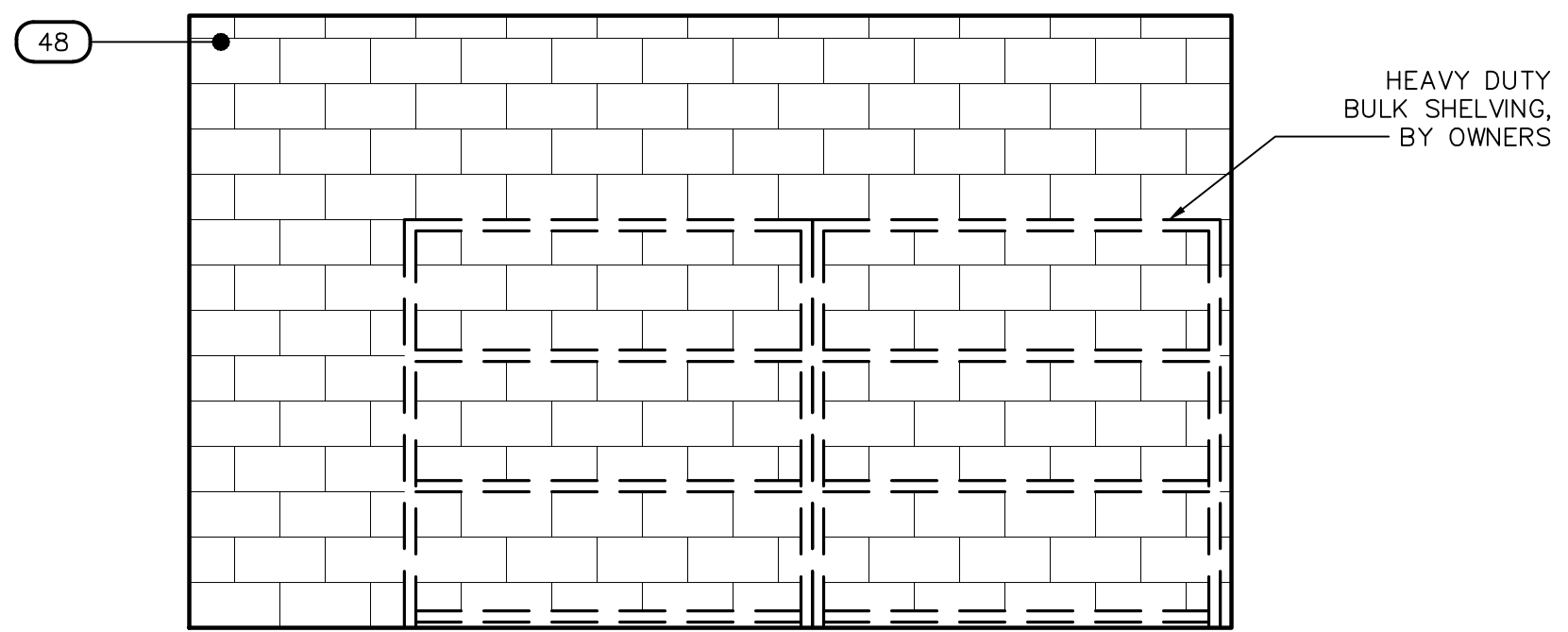
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TURNOUT - 134

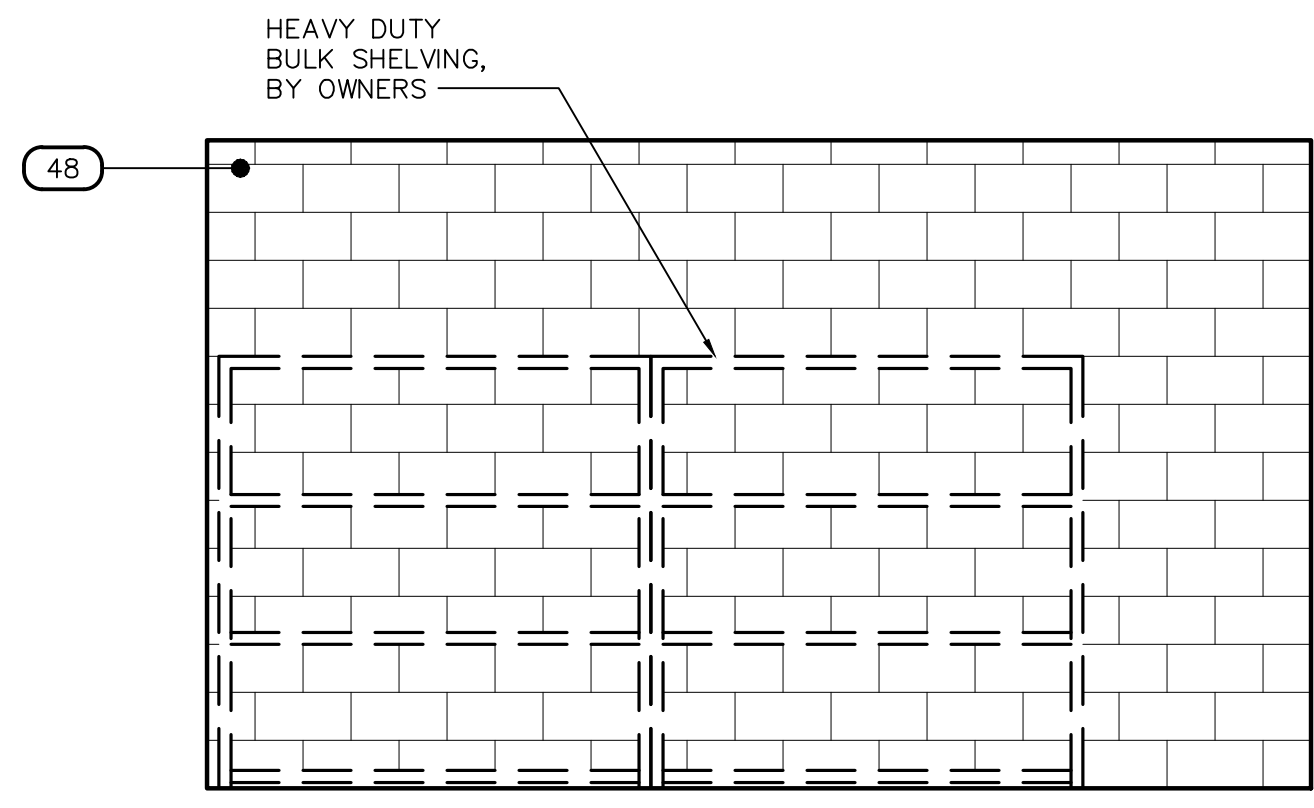
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STORAGE - 142

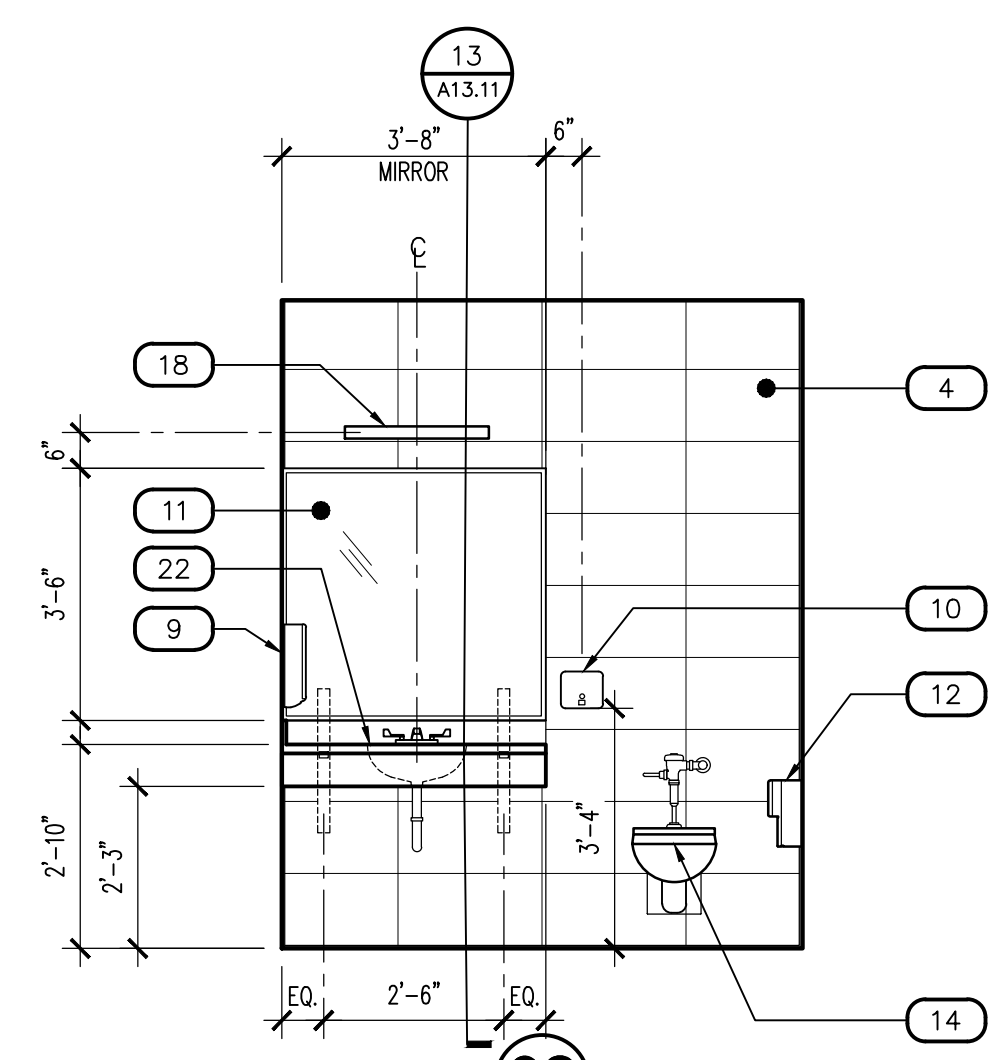
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67

STORAGE - 142

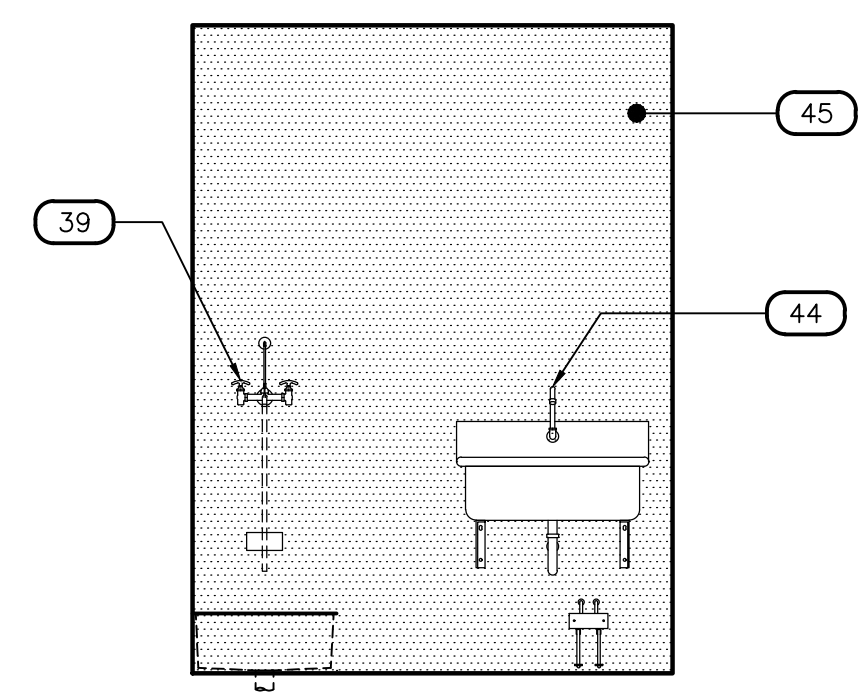
SCALE: 3/8" = 1'-0"



68

RESTROOM - 145

SCALE: 3/8" = 1'-0"

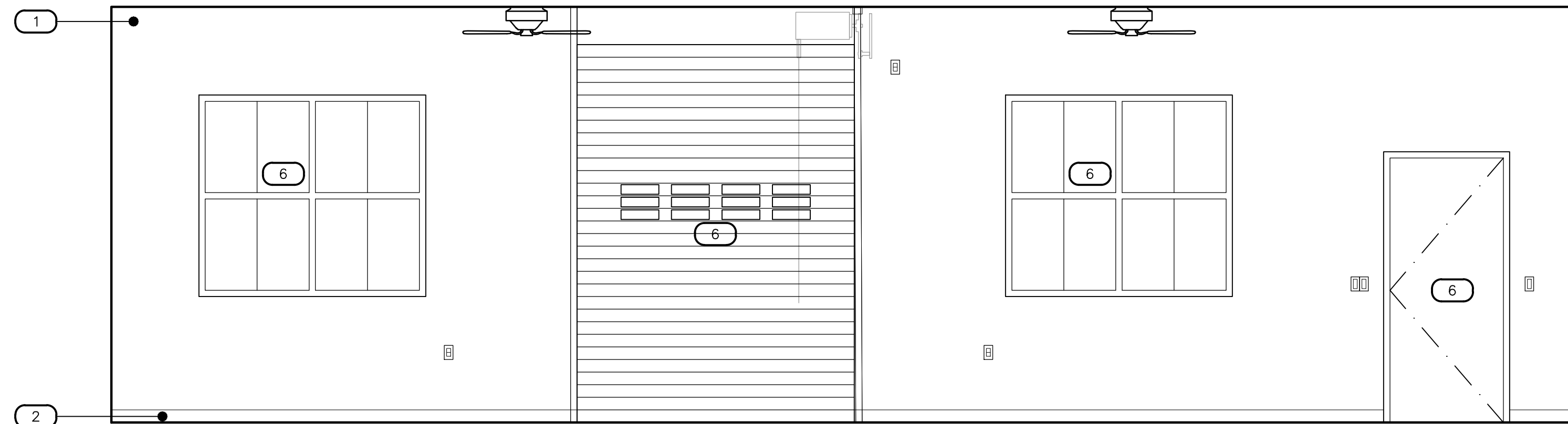


69

STAFF ENTRY - 136

SCALE: 3/8" = 1'-0"

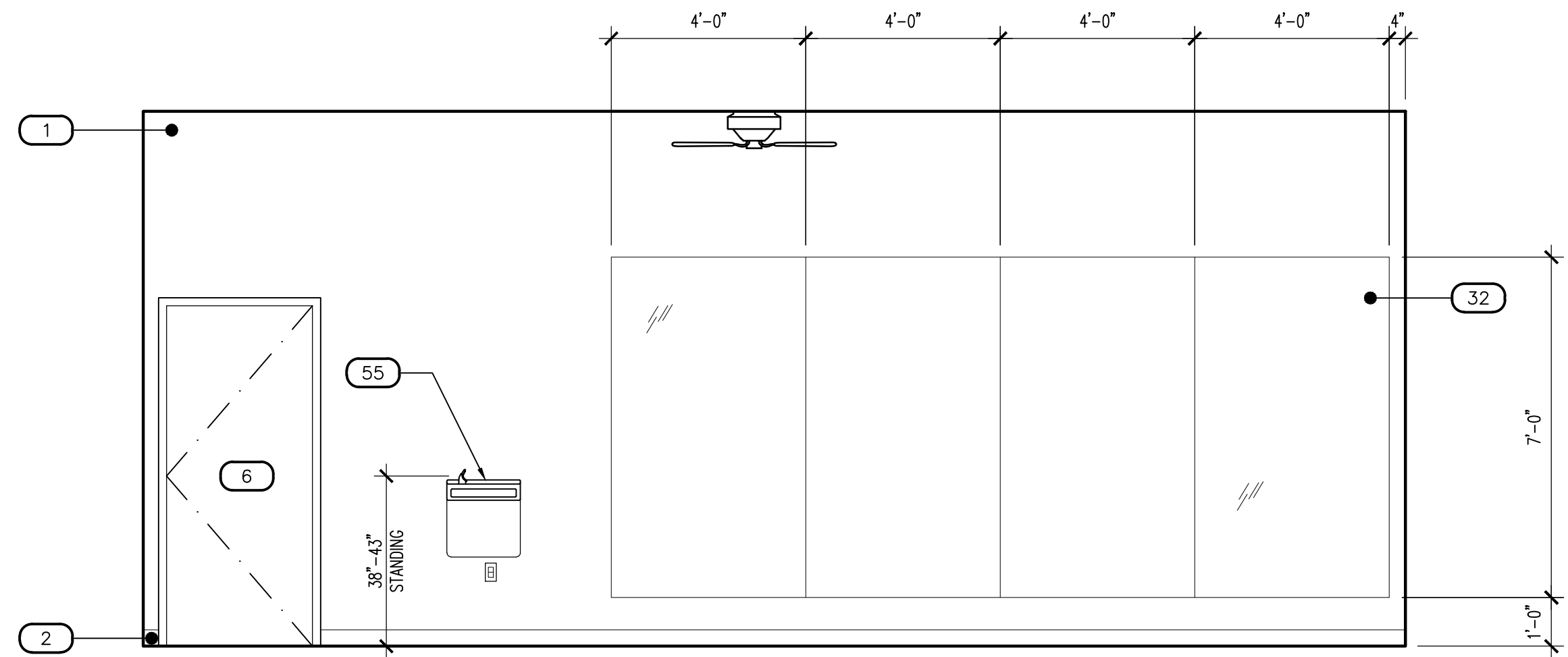
Note:
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70

FITNESS - 110

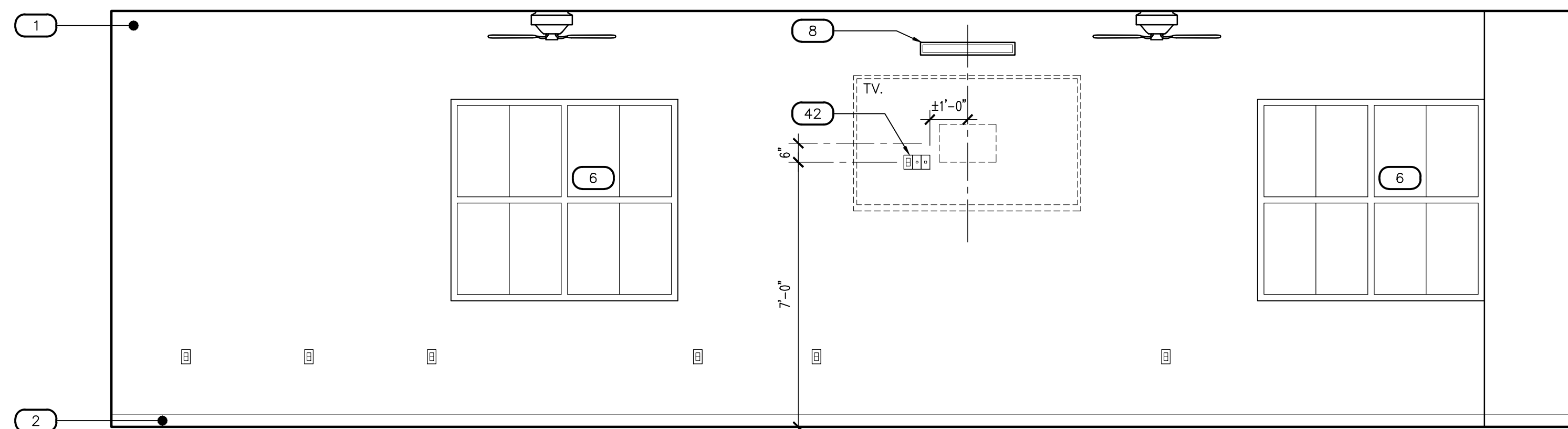
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71

FITNESS - 110

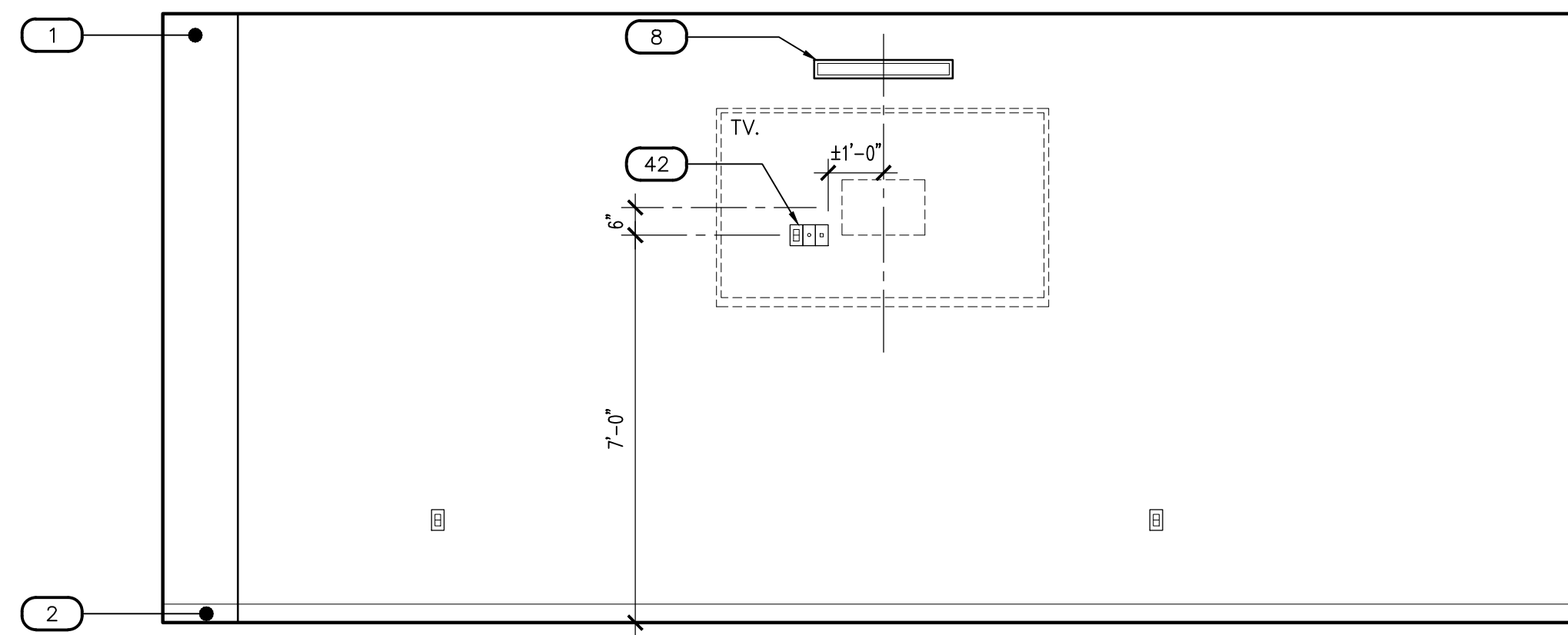
SCALE: 3/8" = 1'-0"



72

FITNESS - 110

SCALE: 3/8" = 1'-0"



73

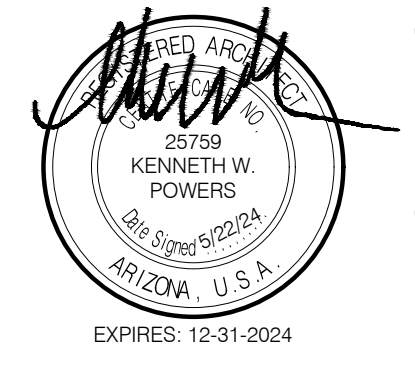
KEYNOTES

#	DESCRIPTION
1	GYPSUM BOARD, FINISH AND PAINT AS SCHEDULED
2	WALL BASE AS SCHEDULED
3	DUAL HEIGHT ADA ELECTRIC DRINKING FOUNTAIN, WALL MOUNTED WITH STAINLESS STEEL TOP, SEE PLUMBING DRAWINGS
4	TILE WALL COVERING AS SCHEDULED
5	COVE SHAPED TRANSITION AS SCHEDULED
6	DOOR / WINDOW SYSTEM AS SCHEDULED
7	WALL MOUNTED BABY CHANGING STATION
8	ALERT SIGNAGE LOCATION
9	SURFACE MOUNTED PAPER TOWEL DISPENSER, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-4262
10	SURFACE MOUNTED SOAP DISPENSER, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-4112
11	SURFACE MOUNTED MIRROR, WITH STAINLESS STEEL FRAME, SIZE AS NOTED
12	SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-2888
13	ACCESSIBLE (ADA) LAVATORY, WALL HUNG WITH BLADE TYPE FAUCET HANDLE, SEE PLUMBING DRAWINGS
14	ACCESSIBLE (ADA) WATER CLOSET, WALL MOUNTED, FLUSH VALVE WITH SPLIT FRONT SEAT, WHITE, SEE PLUMBING DRAWINGS
15	36" STAINLESS STEEL GRAB BAR, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-6806 x 36"
16	18" STAINLESS STEEL VERTICAL GRAB BAR, PROVIDE BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: B-6806 x 18"
17	42" STAINLESS STEEL GRAB BAR, PROVIDE BACKING AT STUD WALL PARTITIONS, MFR: BOBRICK, NO: B-6806 x 42"
18	LIGHTING, SEE ELECTRICAL
19	MILLWORK, SEE MILLWORK DETAILS AND FINISH SCHEDULE
20	MODULAR FURNITURE, SEE FINISH SCHEDULE, O.F.O.I.
21	URINAL, WALL MOUNTED FLUSH VALVE, SEE PLUMBING DRAWINGS
22	COUNTERTOP WITH INTEGRAL OVAL SINK AND FAUCET WITH BLADE TYPE HANDLE, SEE PLUMBING DRAWINGS
23	TYPE I RANGE HOOD WITH INTEGRATED FIRE SUPPRESSION SYSTEM, LIGHT AND SIDEWALL EXHAUST TO OUTSIDE AIR, SEE MECHANICAL DRAWINGS, STAINLESS STEEL CONSTRUCTED HOOD SHROUD TO CEILING
24	POT FILLER FAUCET, WALL MOUNTED ABOVE RANGE, SEE PLUMBING DRAWINGS
25	RESIDENTIAL GRADE 48"W 4-BURNER AND GRILL / GRIDDLE RANGE TOP WITH OVEN, C.F.C.I., SEE PLUMBING DRAWINGS, FLOOR TO HOOD STAINLESS STEEL WALL GUARD, AT RANGE LOCATION
26	STAINLESS STEEL BACKSPASH TO UNDERSIDE OF CABINETS AT COUNTERTOP LOCATIONS
27	STAINLESS STEEL COUNTERTOP WITH MARINE EDGES
28	STAINLESS STEEL CABINETS, MFR. TO SUBMIT SHOP DRAWINGS FOR ARCHITECT APPROVAL
29	DOUBLE WELL STAINLESS STEEL KITCHEN SINK INTEGRAL WITH COUNTERTOP, FAUCET, DISPOSER, SEE PLUMBING DRAWINGS
30	RESIDENTIAL GRADE DISHWASHER, PROVIDE AIR GAP, SEE PLUMBING DRAWINGS
31	SINGLE BOWL INTEGRAL SINK, WITH FAUCET, SEE PLUMBING DRAWINGS
32	CLEAR GYM MIRROR WITH SAFETY BACKING, TO RUN LENGTH OF WALL
33	SHOWER ENCLOSURE WITH PRECAST TERRAZZO SHOWER BASE, SHOWER HEAD WITH PRESSURE ADJUSTABLE SPRAY AND VOLUME CONTROL, SEE PLUMBING DRAWINGS
34	ADA SHOWER FIXTURE, WITH TWO WALL GRAB BARS AND 18" VERTICAL GRAB BAR
35	SHOWER CURTAIN ROD ANCHORED AT EACH END, VERIFY OPENING WIDTH, SHOWER CURTAIN HOOKS BY BOBRICK, HEAVY DUTY VINYL SHOWER CURTAIN
36	SURFACE MOUNTED S. STEEL UTILITY HOOK, PROVIDE CONTINUOUS SOLID BACKING AT STUD PARTITIONS, MFR: BOBRICK, NO: 6707
37	14" FIXED STAINLESS STEEL SHELF
38	STAINLESS STEEL COUNTERTOP
39	SERVICE SINK WITH STAINLESS STEEL BACKSPASH, SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
40	LAUNDRY WASHER AND DRYER, SEE PLUMBING DRAWINGS
41	DORMITORY PLATFORM BED, O.F.O.I.
42	ELECTRICAL OUTLETS, SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
43	STATION ALERTING ROOM REMOTE
44	STAINLESS STEEL SINGLE COMPARTMENT SERVICE SINK, PEDAL CONTROLLED, SEE PLUMBING DRAWINGS
45	STAINLESS STEEL WALL GUARD PANELS, FULL HEIGHT
46	STAINLESS STEEL SINGLE COMPARTMENT SERVICE SINK WITH DRAIN BOARD EACH SIDE, PEDAL CONTROLLED, SEE PLUMBING DRAWINGS
47	IN-SLAB FLOOR WASH SINK WITH SERVICE FAUCET, SEE PLUMBING DRAWINGS
48	EXPOSED CMU WALL CONSTRUCTION, FINISH AS SCHEDULED
49	24" x 24" x 72" WALL & FLOOR MOUNTED STEEL LOCKERS WITH SECURITY DOORS, SEE FINISH SCHEDULE
50	RESIDENTIAL GRADE REFRIGERATOR / FREEZER, ONE UNIT TO HAVE INTEGRAL CHILLED WATER DISPENSER AND ICE CUBE DISPENSER, SEE PLUMBING DRAWINGS
51	SHOWER NICHE, 12"W x 16"H
52	TANKLESS HOT WATER HEATERS, SEE PLUMBING DRAWINGS
53	BACK WALL MOUNTED METAL LOCKER UNITS
54	HARDWOOD TOP BENCH WITH STEEL PEDESTAL LEGS ANCHORED TO CONCRETE SLAB
55	ELECTRIC DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS
56	ROOF DRAIN LEADER, SEE PLUMBING DRAWINGS
57	CARD READER LOCATION, SEE SHEET A10.01

N-INTELEV

Note:
Per City of Phoenix City Code Chapter 2, section 2-28, these plans are for official use only and may not be shared with others except as required to fulfill the obligations of your contract with the City of Phoenix.

Revisions	Date
CITY COMMENTS	5/22/24



Designed By:
ET / GA

Drawn By:
TA / RS

Checked By:
GA / TA

Date:
12/14/2023

Phase:
PERMIT

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perlmanaz.com

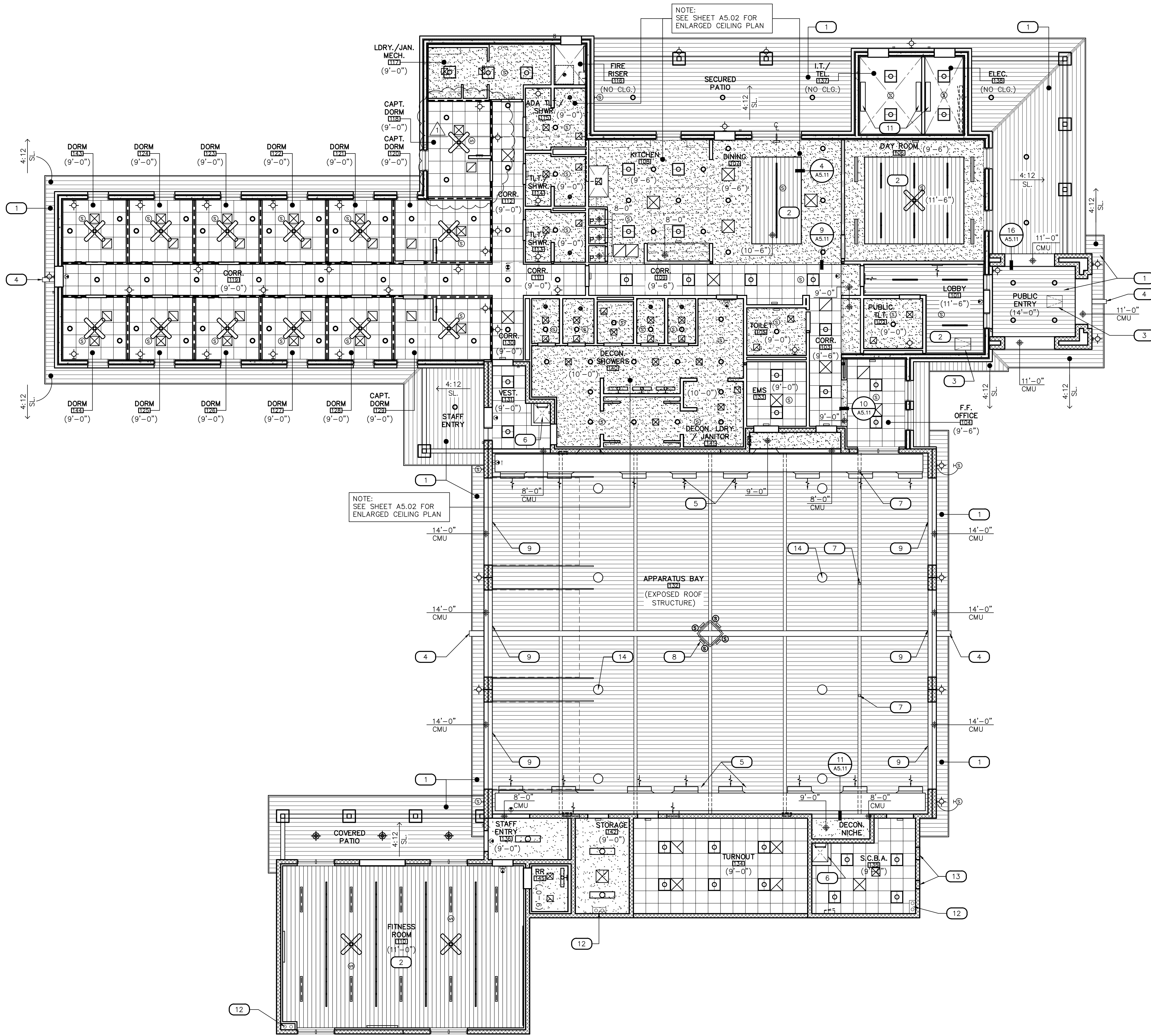
Title:
FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
Index No:
FD57100020-3



KIVA # **23-1810**
SDEV # **2300473**

INTERIOR ELEVATIONS
A4.08

CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL



1 REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

KEYNOTES

#	DESCRIPTION
1	MFR: USG INTERIORS, PARALINE PLUS LINEAR METAL SYSTEM, 7" WIDE, COLOR: WALNUT (3472), CARRIER: FLAT CHANNEL SYSTEM, ACCESSORIES: SNAP LOCK REVEAL INSERTS AND PERIMETER SHADOW MOLDING
2	LINEAR METAL INTERIOR CEILING SYSTEM, SEE INTERIOR FINISH SCHEDULE
3	22"x30" MIN. CEILING ACCESS DOOR, KIT BY CEILING SYSTEM MFR. TO MATCH ADJACENT APPLICATION
4	EXPOSED STEEL LOOKOUT, SEE EXTERIOR ELEVATIONS
5	SHEET METAL HVAC DUCTWORK, COORDINATE WITH ALL TRADES OPENINGS AND DUCT PATH, SEE MECHANICAL DRAWINGS
6	ROOF ACCESS HATCH ABOVE WITH 3'-2"Dx2'-8"W FRAMED OPENING WITH WALL AND FLOOR ATTACHED LADDER
7	ELECTRIC POWER DROP FROM STRUCTURE ABOVE TO FINISH FLOOR, SEE ELECTRICAL DRAWINGS
8	DISPATCH SYSTEM MESSAGE REMOTE HOUSING SUSPENDED FROM STRUCTURE ABOVE, CENTER IN ROOM, SEE DETAIL 6/A5.11
9	EXPOSED STEEL PLATE HEADER, SEE STRUCTURAL DRAWINGS
10	NO NOTE
11	WALL MOUNTED MECHANICAL SYSTEM, SEE MECHANICAL DRAWINGS
12	OPENING IN FINISHED CEILING / STRUCTURE FOR ROOF DRAIN LEADERS
13	MECHANICAL LOUVER, SEE MECHANICAL DWGS
14	PENDANT LIGHT FIXTURE AT APPARATUS BAY TYP. OF 8, SEE ELECT. DRAWINGS

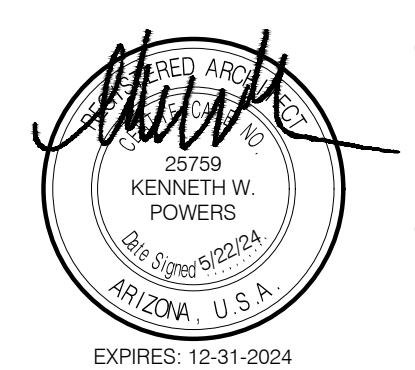
RCP LEGEND

SYMBOL	DESCRIPTION
○	LED DOWN LIGHT FIXTURE
⊙	VAPOR TIGHT DOWN LIGHT FIXTURE
— —	T-BAR LED MODULE LIGHT FIXTURE
□	2' x 2' TROFFER LIGHT FIXTURE
○	BAY PENDANT LED LIGHT FIXTURE
○	CHAIN HUNG LIGHT FIXTURE
◇	WALL MOUNTED LIGHT FIXTURES
✕	CEILING FAN WITH LIGHT (NON-REMOTE) SEE DETAIL 19/A5.11
⊙	SPEAKER AT CEILING/WALL
—	DISPATCH WALL SIGN
⊠	SUPPLY AIR GRILLE
⊡	RETURN AIR GRILLE
⊞	EXHAUST FAN GRILLE
— —	SIDE WALL SUPPLY AIR GRILLE
— —	SIDE WALL RETURN AIR GRILLE
⊙	EXIT LIGHT
1.	REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF FIRE ALARM DEVICES NOT SHOWN
⊠	2' x 2' LAY-IN ACOUSTICAL PANELS AND CEILING SUSPENSION SYSTEM WITH HANGER, WIRE TO STRUCTURE ABOVE, SEE DETAIL 7/A5.11
⊠	GYPSUM BOARD: INTERIOR, FINISH AS SCHEDULED

GENERAL NOTES

- NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK. REFER TO FIRE ALARM DRAWINGS FOR LOCATION OF FIRE ALARM DEVICES NOT SHOWN.
- REFER TO FIRE PROTECTION DRAWINGS FOR LOCATION OF SPRINKLER HEADS NOT SHOWN.
- CEILING AND WALL FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM 84. DESIGN AND INSTALL STANDARDS USED FOR ACOUSTICAL CEILING SYSTEMS PER 2018 IBC SECTION 803.13 AND 808.
- REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPE, LAMPS AND SWITCHING. REFERENCED HEIGHTS AND CEILING HEIGHTS ARE FROM FINISH FLOOR ELEVATION 0'-0".
- MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT/SUPPORTS ARE NOT TO BE HUNG DIRECTLY FROM THE ROOF DECK ABOVE. SEE STRUCTURAL DRAWINGS FOR SUPPORT REQUIREMENTS.

Revisions	Date
△ CITY COMMENTS	5/22/24



Designed By:
ET / GA

Drawn By:
TA / RS

Checked By:
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12/14/2023

Phase:
PERMIT

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perlman.com

Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**

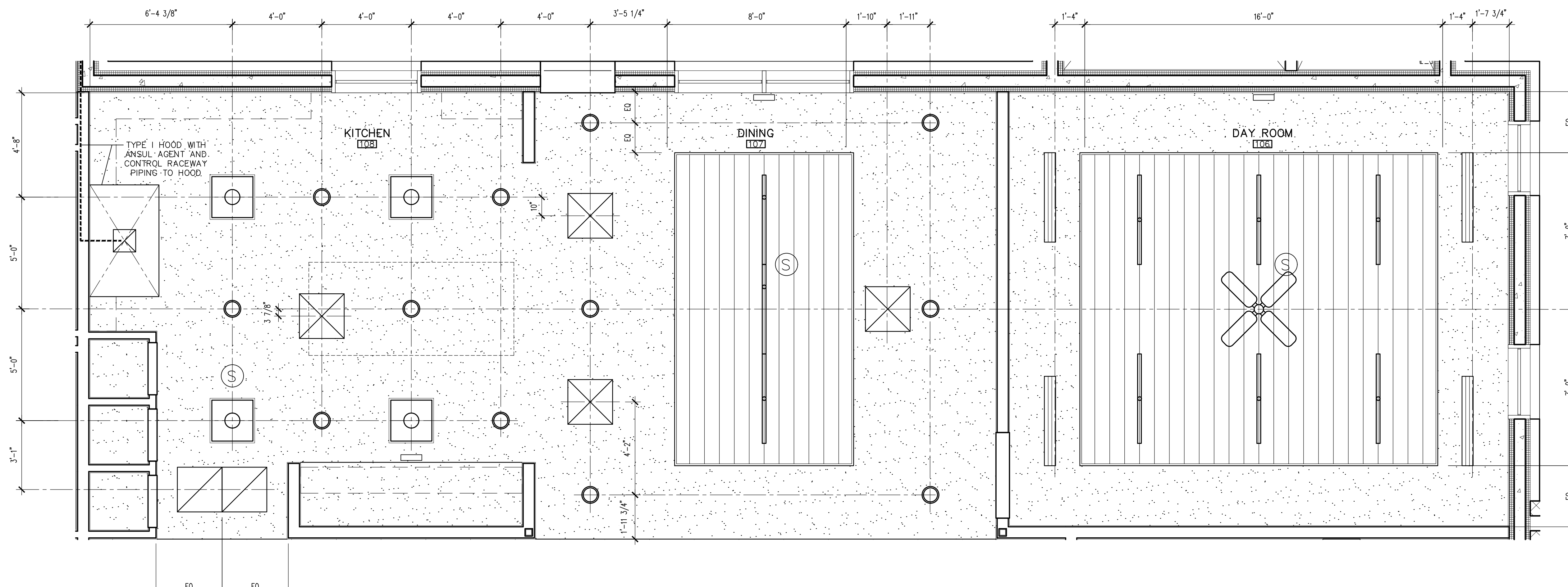
Index No:
FD57100020-3



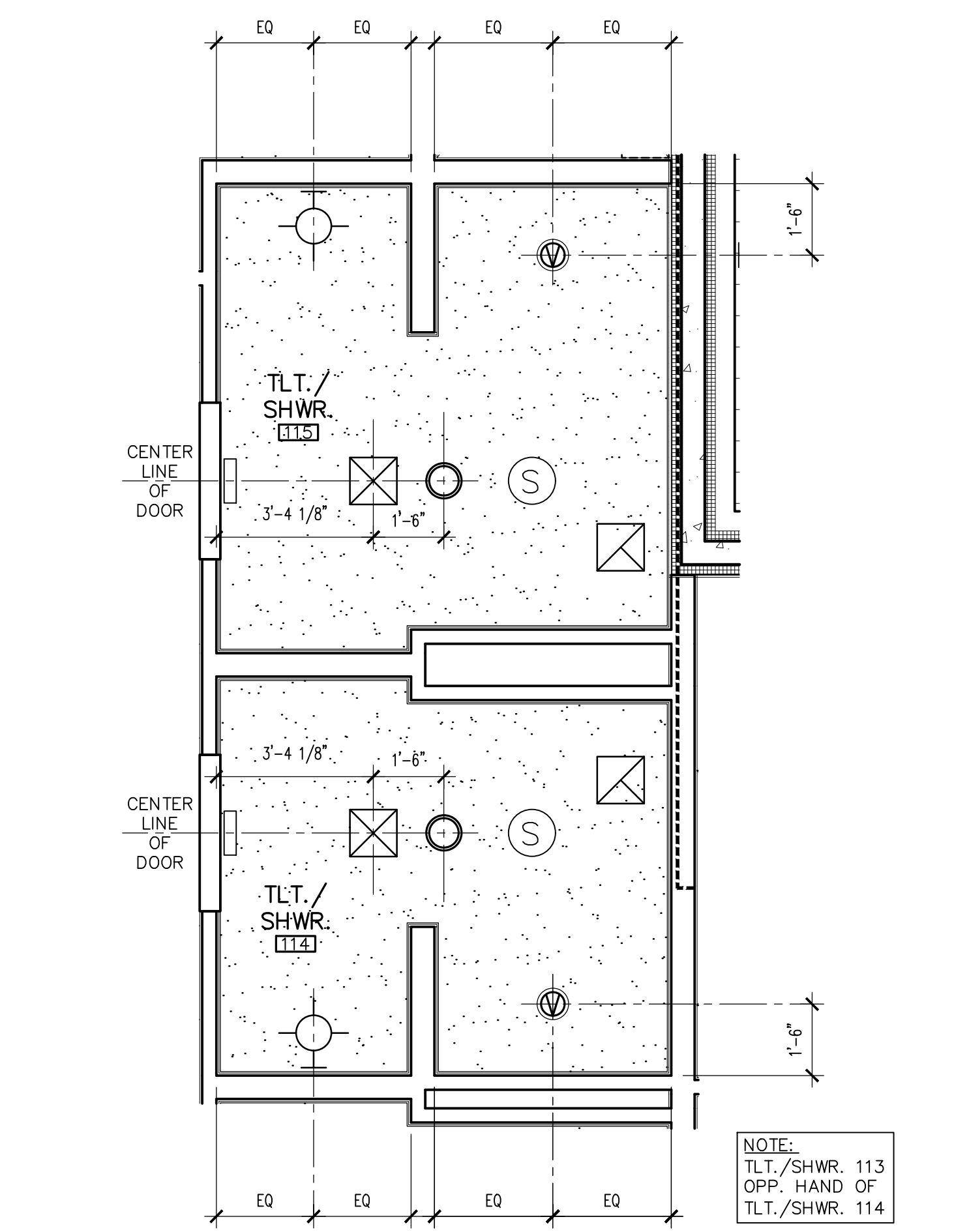
KIVA # **23-1810**
SDEV # **2300473**

REFLECTED CEILING PLAN
A5.01

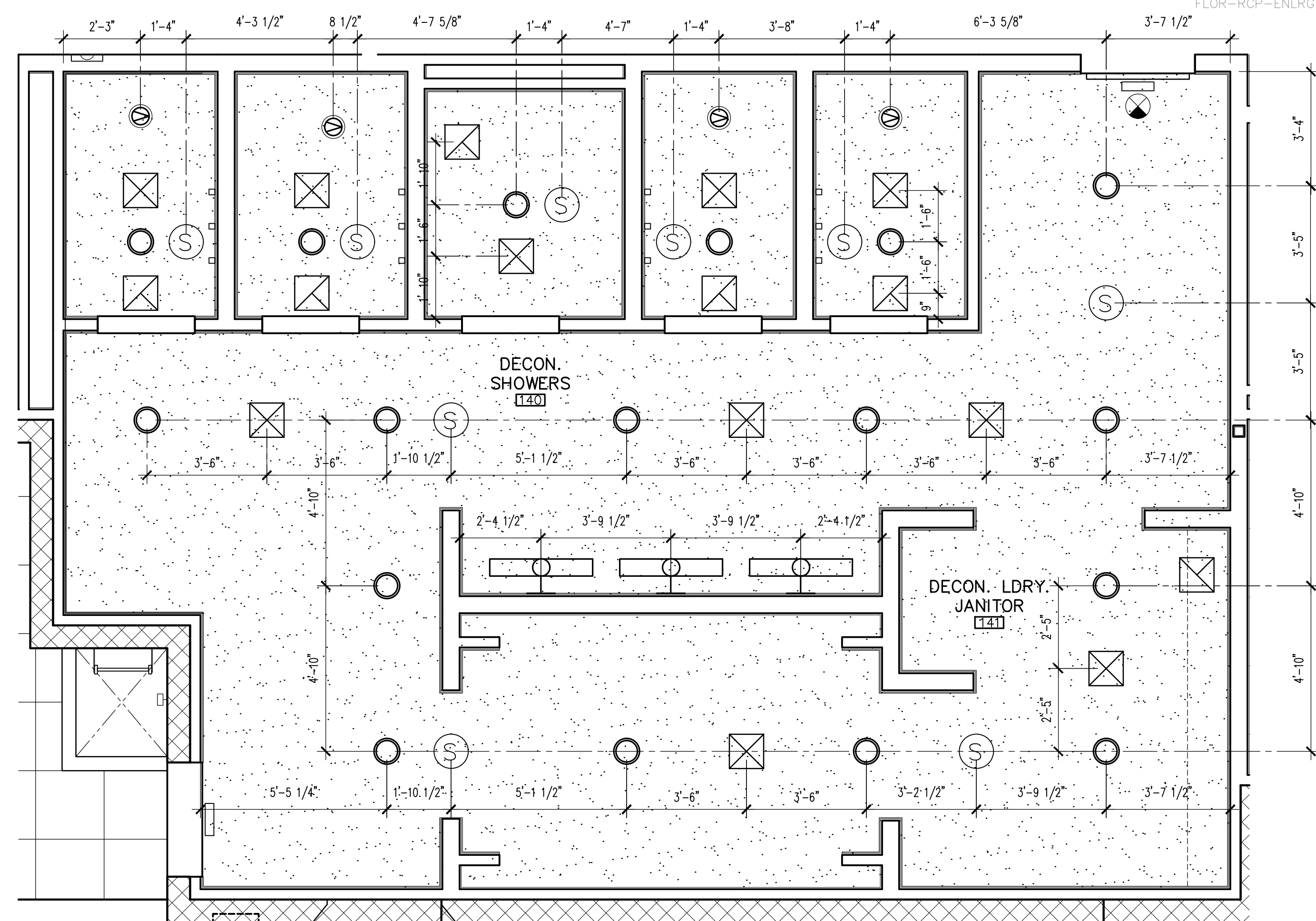
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1 ENLARGED REFLECTED CEILING PLAN
SCALE: 3/8" = 1'-0"



2 ENLARGED REFLECTED CEILING PLAN
SCALE: 3/8" = 1'-0"



3 ENLARGED REFLECTED CEILING PLAN
SCALE: 3/8" = 1'-0"

KEYNOTES

#	DESCRIPTION
1	MFR: USG INTERIORS, PARALINE PLUS LINEAR METAL SYSTEM, 7" WIDE, COLOR: WALNUT (3472), CARRIER: FLAT CHANNEL SYSTEM, ACCESSORIES: SNAP LOCK REVEAL INSERTS AND PERIMETER SHADOW MOLDING
2	LINEAR METAL INTERIOR CEILING SYSTEM, SEE INTERIOR FINISH SCHEDULE
3	22"x30" MIN. CEILING ACCESS DOOR, KIT BY CEILING SYSTEM MFR. TO MATCH ADJACENT APPLICATION
4	EXPOSED STEEL LOOKOUT, SEE EXTERIOR ELEVATIONS
5	SHEET METAL HVAC DUCTWORK, COORDINATE WITH ALL TRADES OPENINGS AND DUCT PATH, SEE MECHANICAL DRAWINGS
6	ROOF ACCESS HATCH ABOVE WITH 3'-2"Dx2'-8"W FRAMED OPENING WITH WALL AND FLOOR ATTACHED LADDER
7	ELECTRIC POWER DROP FROM STRUCTURE ABOVE TO FINISH FLOOR, SEE ELECTRICAL DRAWINGS
8	DISPATCH SYSTEM MESSAGE REMOTE HOUSING SUSPENDED FROM STRUCTURE ABOVE, CENTER IN ROOM, SEE DETAIL 6/A5.11
9	EXPOSED STEEL PLATE HEADER, SEE STRUCTURAL DRAWINGS
10	NO NOTE
11	WALL MOUNTED MECHANICAL SYSTEM, SEE MECHANICAL DRAWINGS
12	OPENING IN FINISHED CEILING / STRUCTURE FOR ROOF DRAIN LEADERS
13	MECHANICAL LOUVER, SEE MECHANICAL DWGS
14	PENDANT LIGHT FIXTURE AT APPARATUS BAY TYP. OF 8, SEE ELECT. DRAWINGS

RCP LEGEND

SYMBOL	DESCRIPTION
○	LED DOWN LIGHT FIXTURE
⊙	VAPOR TIGHT DOWN LIGHT FIXTURE
—	T-BAR LED MODULE LIGHT FIXTURE
□	2' x 2' TROFFER LIGHT FIXTURE
○	BAY PENDANT LED LIGHT FIXTURE
□	CHAIN HUNG LIGHT FIXTURE
⊙	WALL MOUNTED LIGHT FIXTURES
✂	CEILING FAN WITH LIGHT (NON-REMOTE) SEE DETAIL 19/A5.11
⊙	SPEAKER AT CEILING/WALL
□	DISPATCH WALL SIGN
⊠	SUPPLY AIR GRILLE
⊠	RETURN AIR GRILLE
⊠	EXHAUST FAN GRILLE
—	SIDE WALL SUPPLY AIR GRILLE
—	SIDE WALL RETURN AIR GRILLE
⊙	EXIT LIGHT
1.	REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF FIRE ALARM DEVICES NOT SHOWN
⊠	2' x 2' LAY-IN ACOUSTICAL PANELS AND CEILING SUSPENSION SYSTEM WITH HANGER, WIRE TO STRUCTURE ABOVE, SEE DETAIL 7/A5.11
⊠	GYPSUM BOARD: INTERIOR, FINISH AS SCHEDULED

GENERAL NOTES

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- REFER TO FIRE PROTECTION DRAWINGS FOR LOCATION OF SPRINKLER HEADS NOT SHOWN. CEILING AND WALL FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM 84. DESIGN AND INSTALL STANDARDS USED FOR ACOUSTICAL CEILING SYSTEMS PER 2018 IBC SECTION 803.13 AND 808.
- REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPE, LAMPS AND SWITCHING. REFERENCED HEIGHTS AND CEILING HEIGHTS ARE FROM FINISH FLOOR ELEVATION 0'-0".
- MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT/SUPPORTS ARE NOT TO BE HUNG DIRECTLY FROM THE ROOF DECK ABOVE. SEE STRUCTURAL DRAWINGS FOR SUPPORT REQUIREMENTS.

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Revisions	Date
△ CITY COMMENTS	5/22/24



Designed By:
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Checked By:
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12/14/2023

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perlman.com

Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**

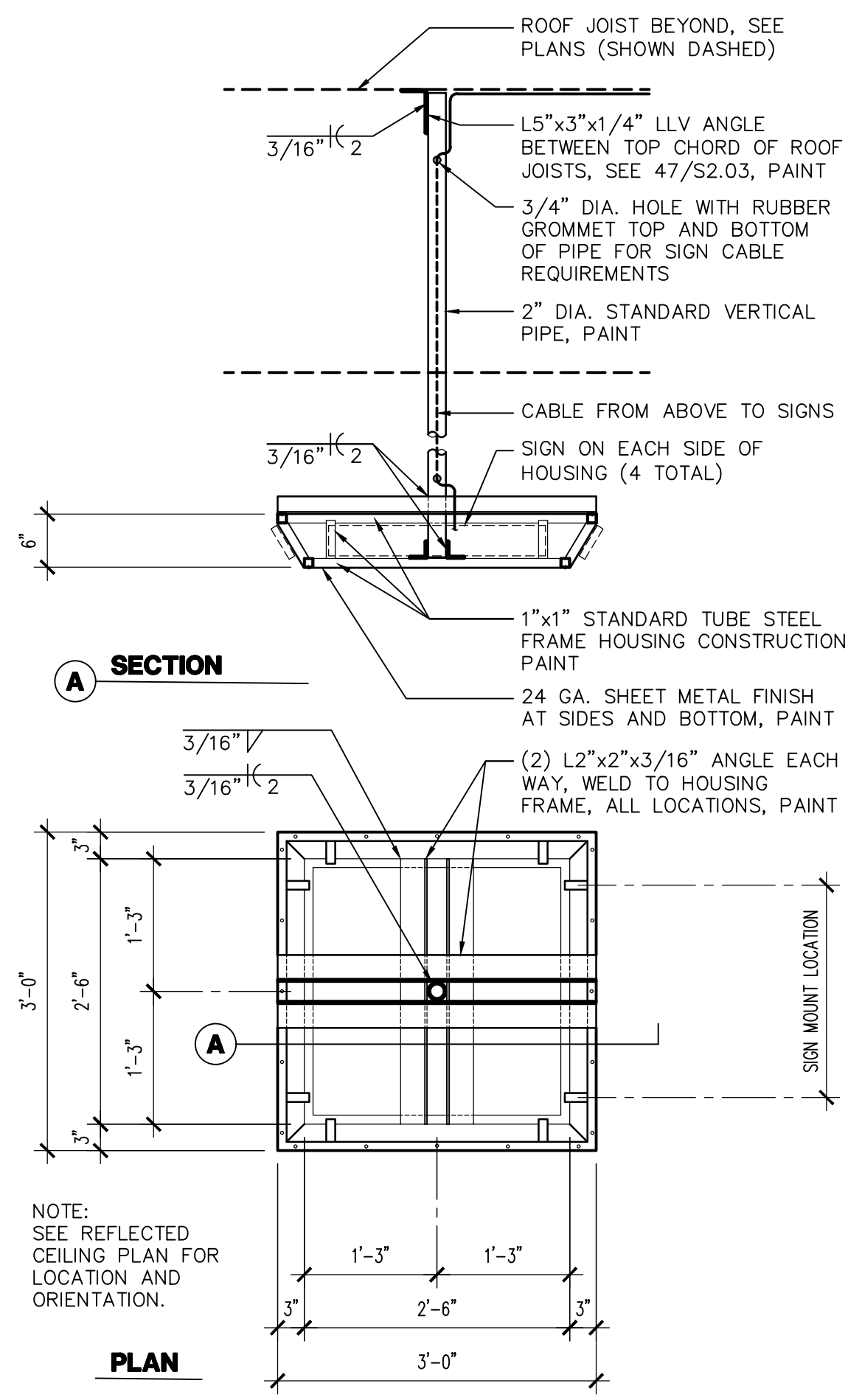
Index No:
FD57100020-3

KIVA # **23-1810**
SDEV # **2300473**

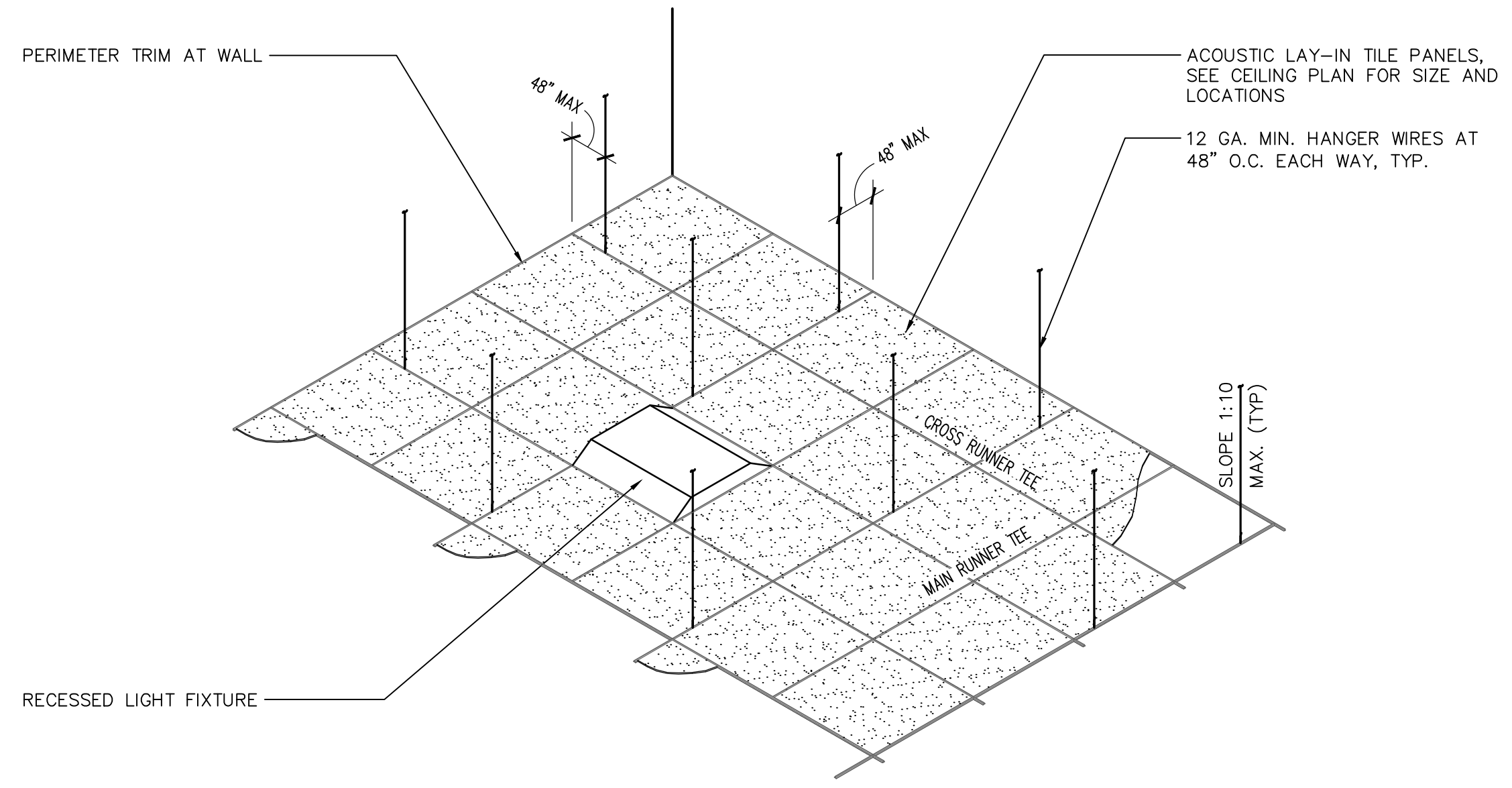
ENLARGED RCP

A5.02

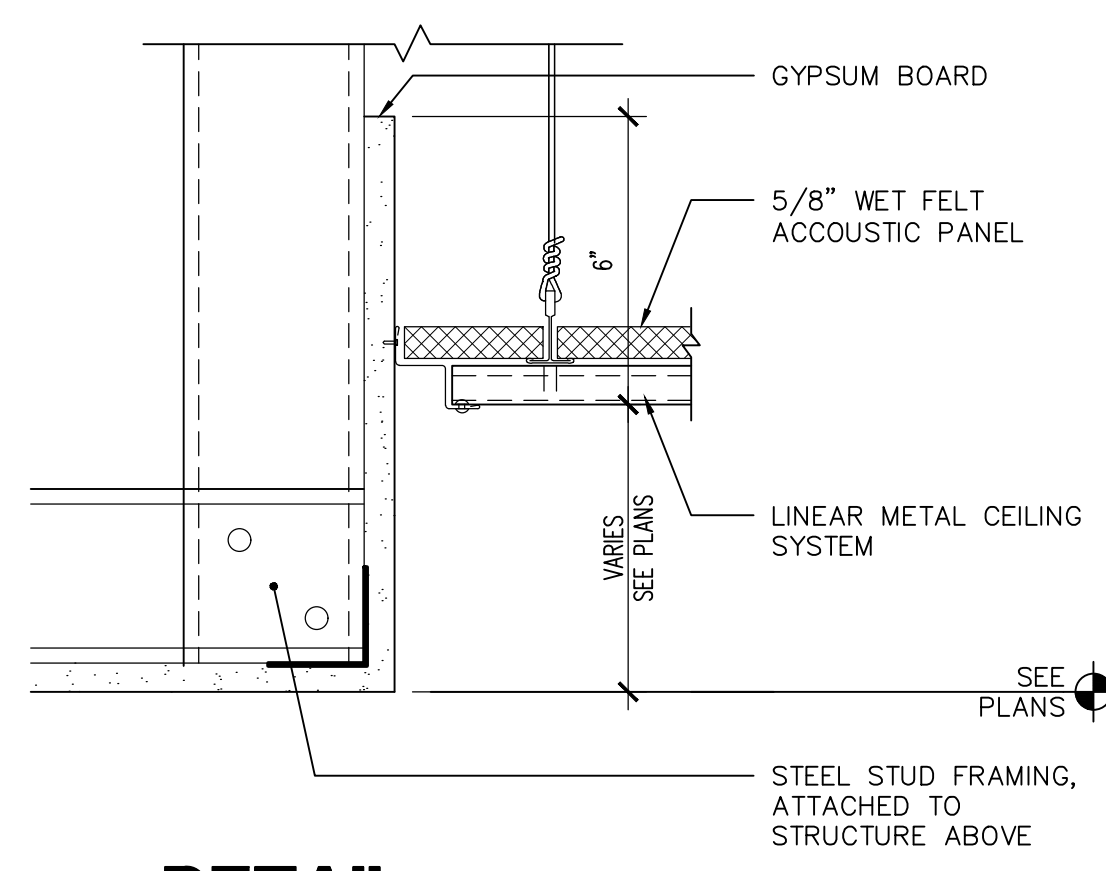
CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL



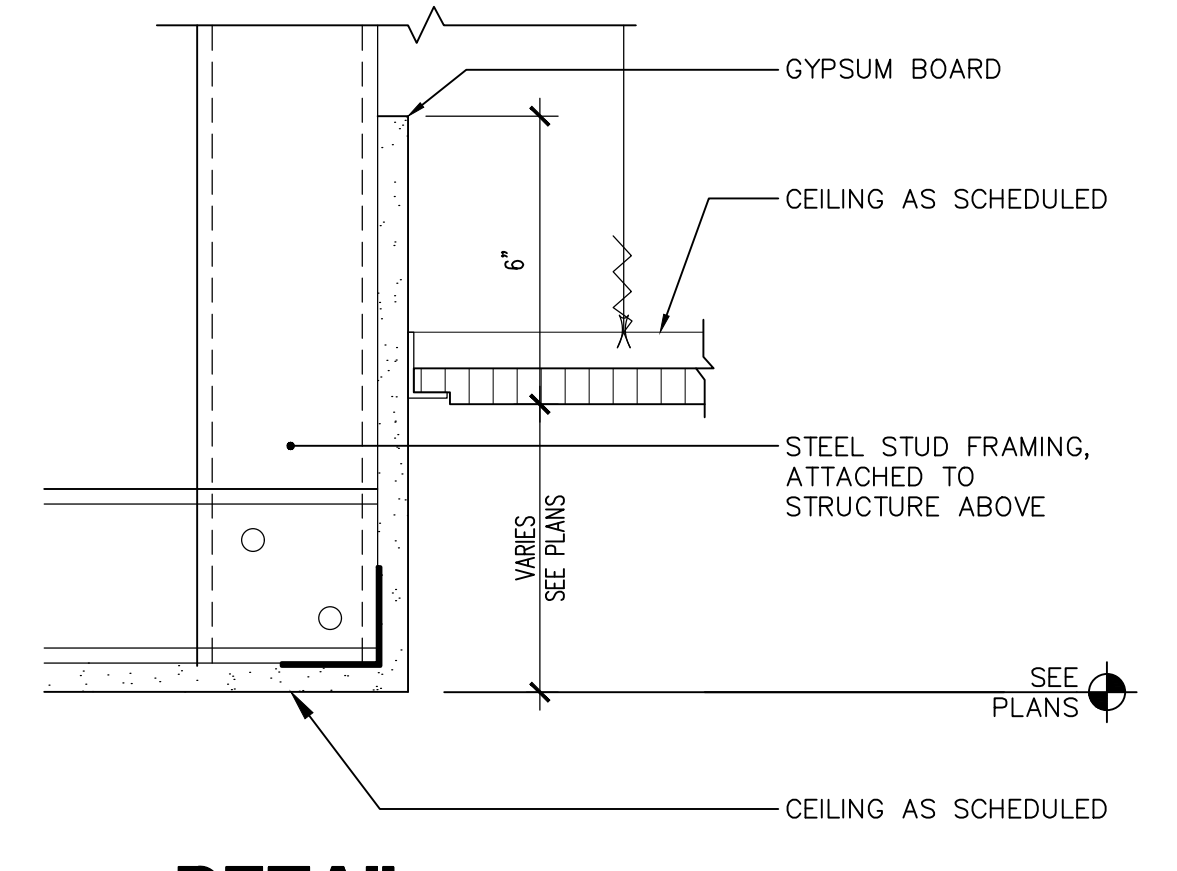
6 REMOTE SIGN BOX
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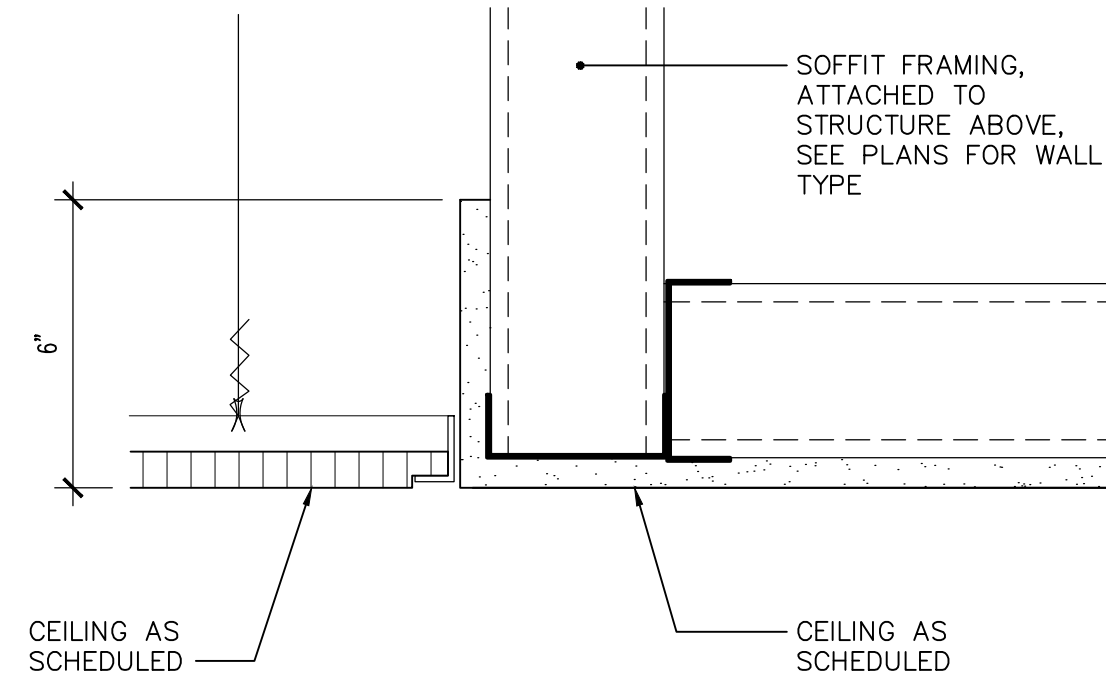
7 ACOUSTIC CEILING
SCALE: N.T.S. ACOUSTIC CEILING



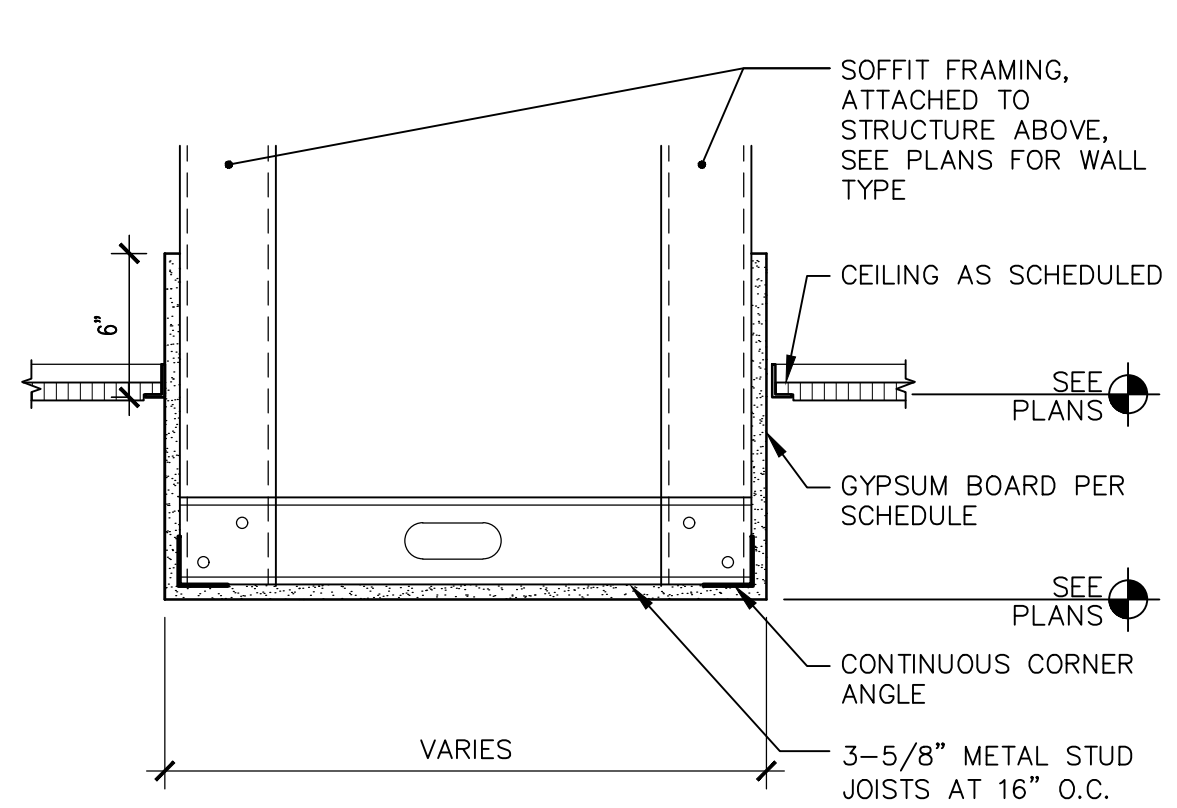
4 DETAIL
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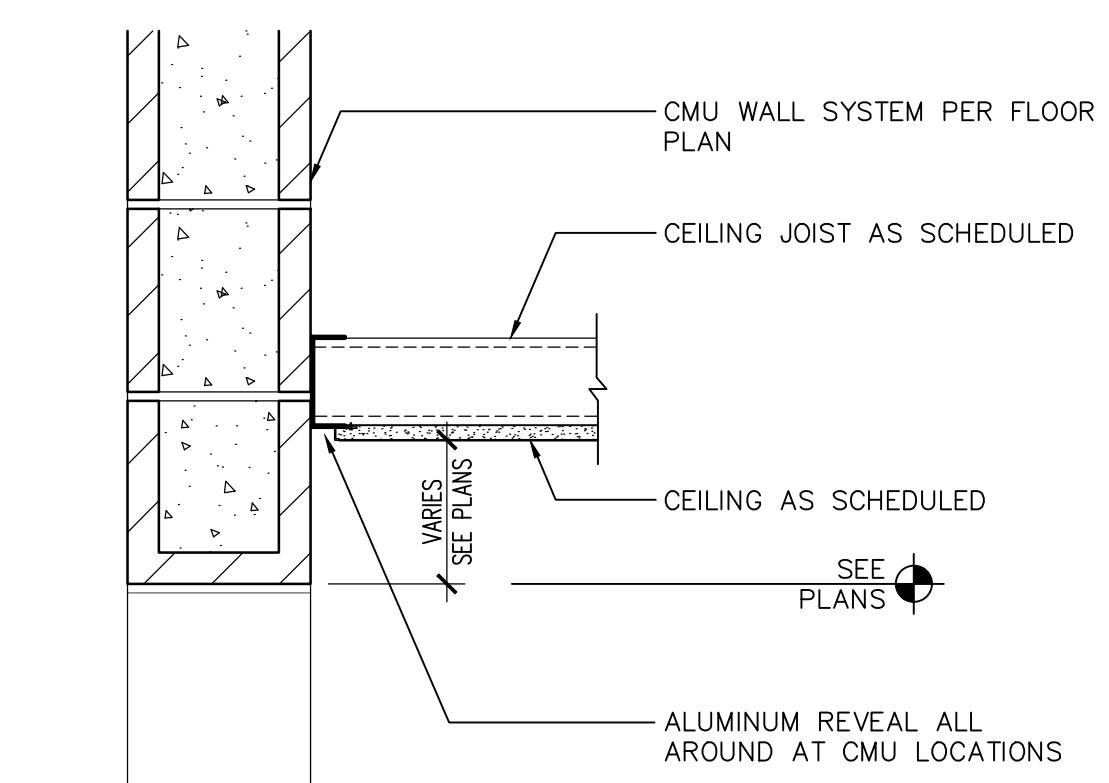
5 DETAIL
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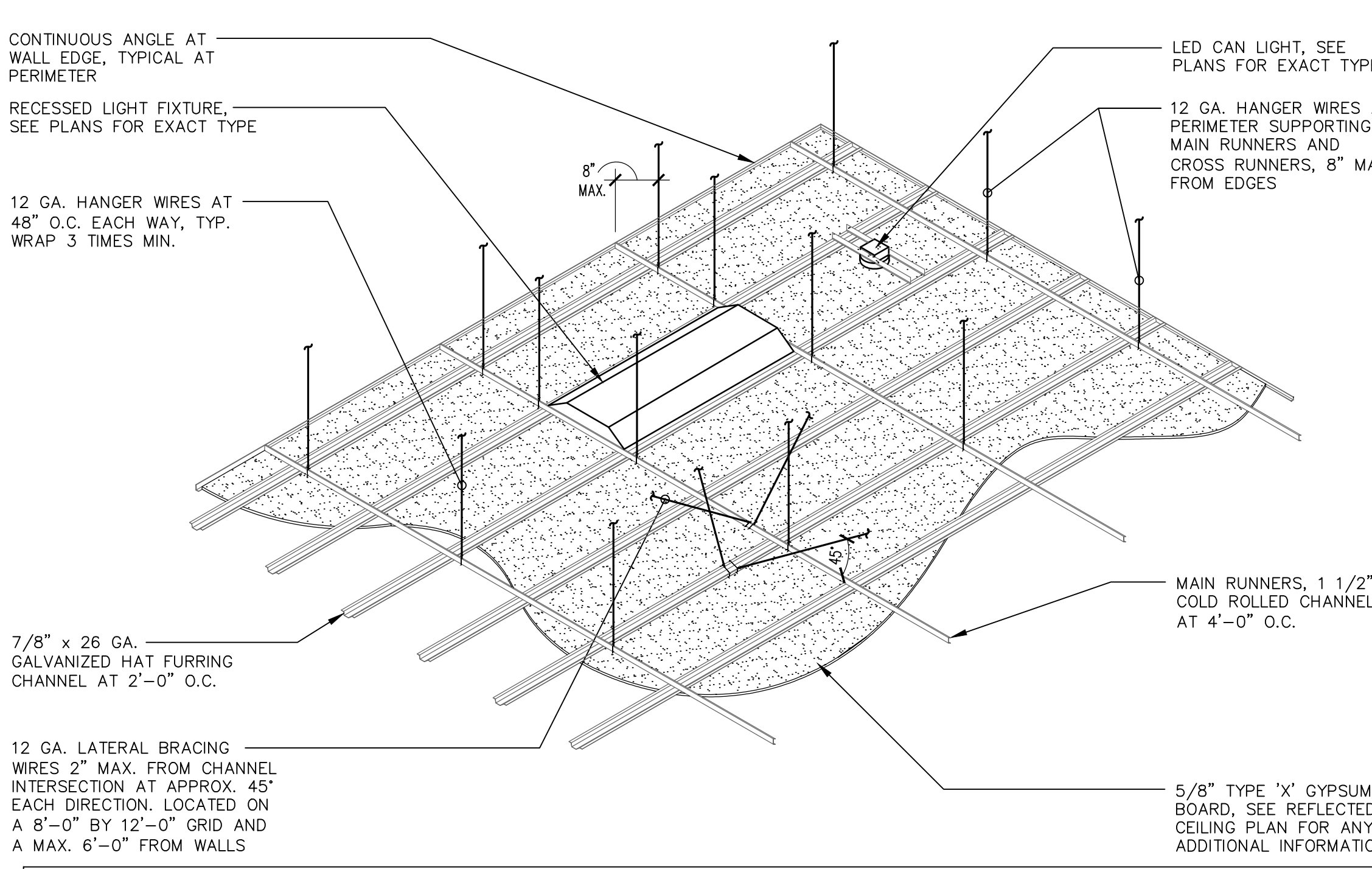
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SCALE: 3" = 1'-0" DT_RCP_01



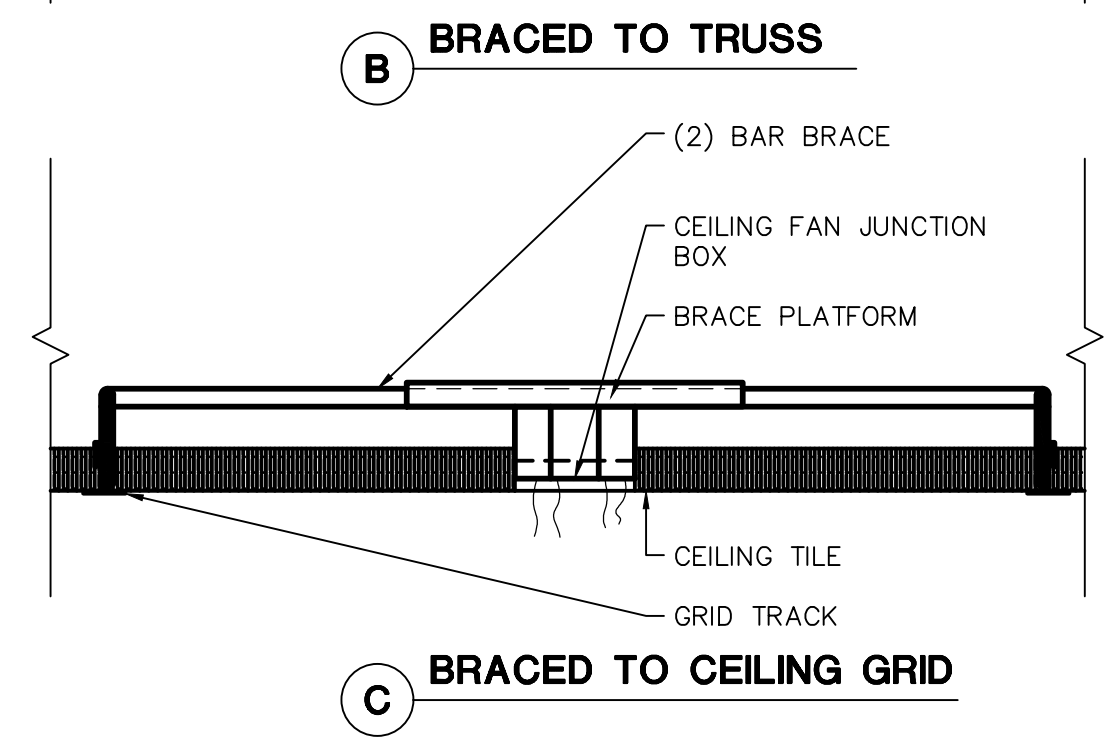
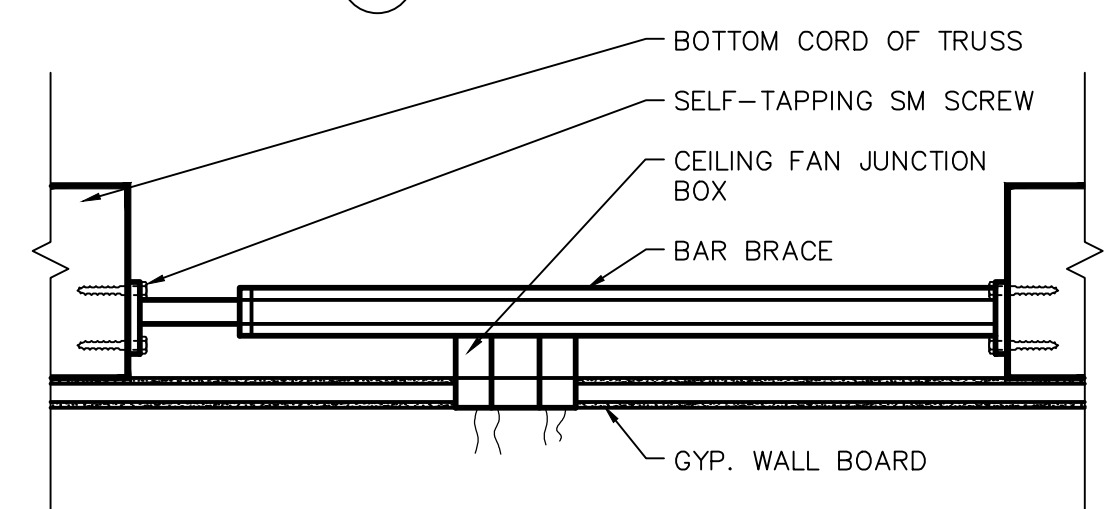
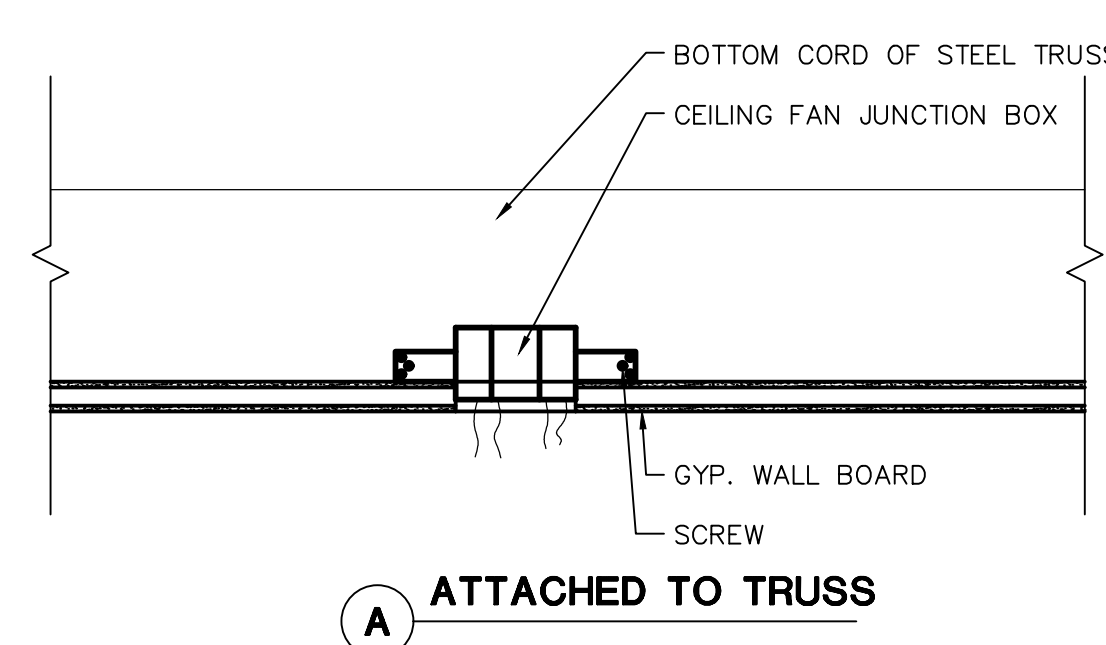
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SCALE: 1 1/2" = 1'-0" DT_RCP_03



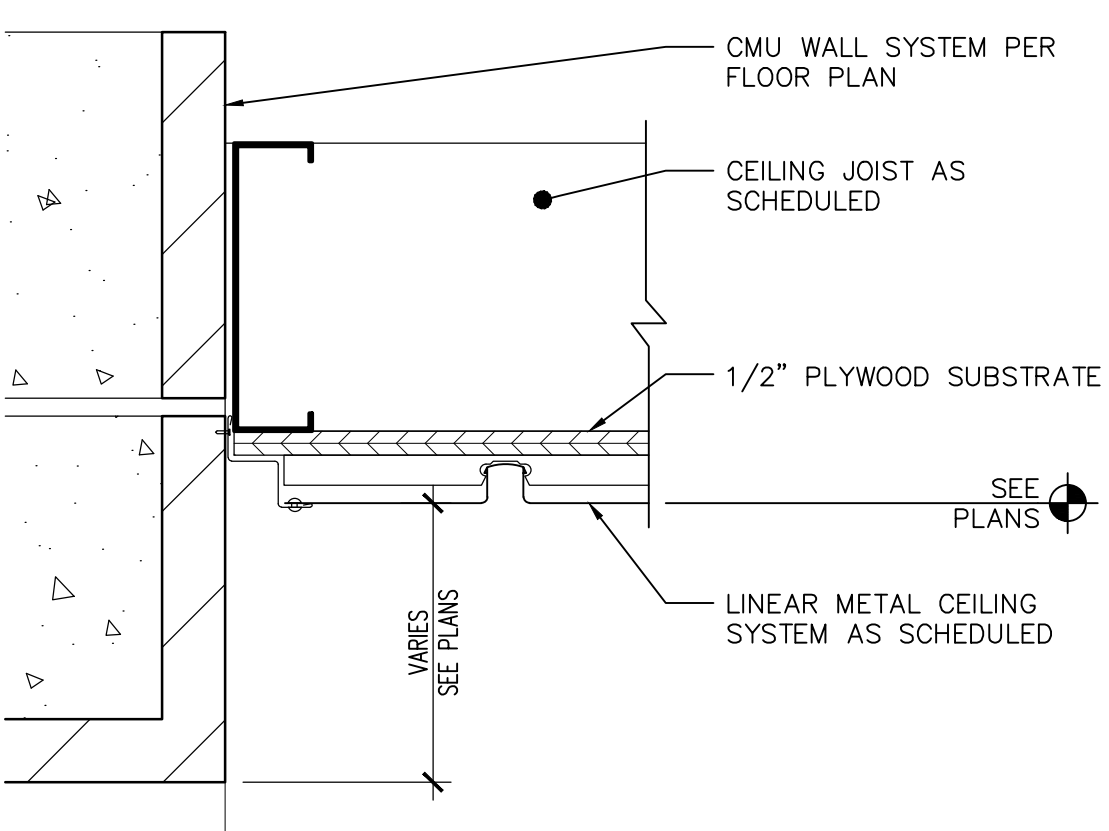
11 DETAIL
SCALE: 1 1/2" = 1'-0" DT_RCP_04



17 SUSPENDED GYPSUM BOARD CEILING (OPTION)
SCALE: N.T.S. GYPSUM BOARD CEILING

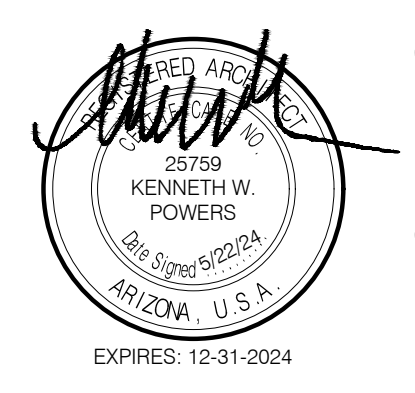


19 CEILING FAN ATTACHMENT
SCALE: 3" = 1'-0" CEILING FAN ATTACHMENT



16 DETAIL
SCALE: 3" = 1'-0" DT_RCP_06

Revisions	Date
△ CITY COMMENTS	5/22/24



Designed By:
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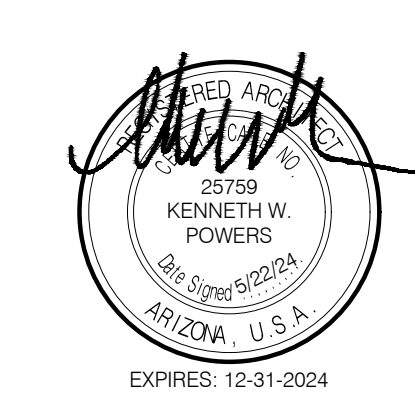
Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**
Index No:
FD57100020-3

KIVA # **23-1810**
SDEV # **2300473**

RCP DETAILS
A5.11

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Revisions	Date
1	5/22/24
CITY COMMENTS	



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CITY OF PHOENIX

KIVA # **23-1810**
SDEV # **2300473**

ROOF PLAN
A6.01

CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

KEYNOTES

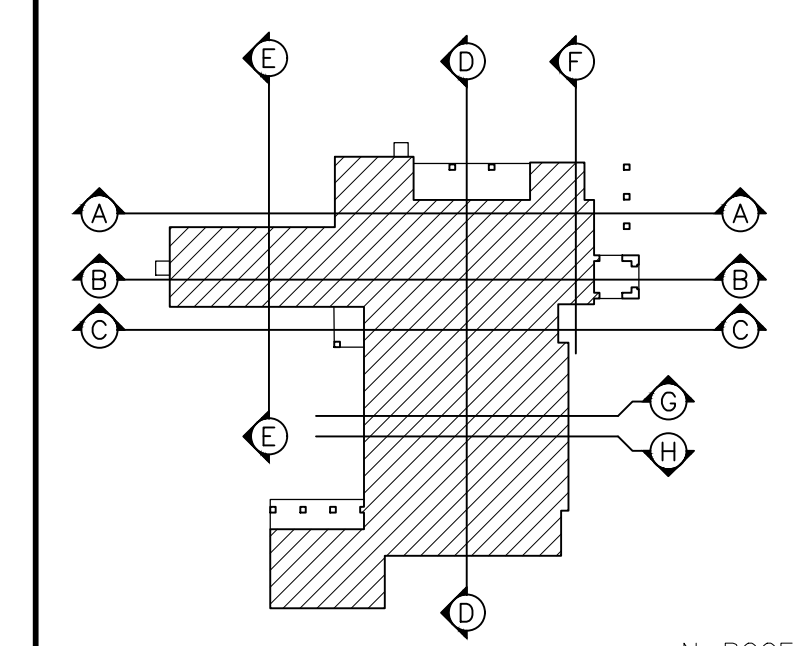
- | # | DESCRIPTION |
|-----|---|
| R1 | 2" SPRAY POLYURETHANE FOAM (SPF) SYSTEM (R-12 MIN.) WITH ELASTOMERIC COATING SURFACE WITH GRANULE COVER (WHITE). COMPLY WITH ICC-ES EVALUATION REPORT ESR-2298/2489 OR EQUAL. |
| R2 | INTERLOCKING CONCRETE ROOFING TILE, COMPLY WITH ICC-ES EVALUATION REPORT ESR-1900 OR EQUAL ATTACHED TO FLUTED PLASTIC BATTENS, COMPLY WITH ICC-ES EVALUATION REPORT ESR-2482 OR EQUAL OVER ONE LAYER (MIN.) TYPE II (NO. 30 FELT) UNDERLAYMENT OR APPROVED EQUIVALENT ON SUB-STRAIGHT, SEE EXTERIOR ELEVATIONS FOR ROOFING TILE MAKE AND COLOR. |
| R3 | ROOFING CRICKET: FORM USING TAPERED CLOSED CELL POLYISO FOAM CORE SLOPED TO ROOF DRAIN LOCATIONS (1/8" P.L.F. MIN.) CONTINUOUS CLEAT PARAPET WALL COPING SYSTEM, SEE EXT. ELEVATIONS FOR COLOR. |
| R4 | 24"x48" ROOF AREA FOR ROOF DRAIN AND ROOF OVERFLOW DRAIN, SEE DETAIL 13, 17 & 19/A6.02 AND PLUMBING DRAWINGS. |
| R5 | ROOF DRAIN LEADER AND OVERFLOW ROOF DRAIN LEADER LINES BELOW ROOF STRUCTURE, ROOF DRAIN LEADER THRU CONCRETE FLOOR SLAB WITH CONNECTION TO STORM DRAIN LINE PER CIVIL DRAWINGS AND OVERFLOW ROOF DRAIN LEADER DAYLIGHT THRU WALL 12" ABOVE FINISH FLOOR LINE, SEE PLUMBING PLANS FOR SIZE. |
| R6 | 30"x36" ROOF ACCESS HATCH, SEE DETAIL 16/A6.03. |
| R7 | STEEL TUBE RIDGE LOOKOUT WITH END CLOSURE, SEE EXT. ELEVATIONS SIZE AND COLOR. |
| R8 | ROOF MOUNTED MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS. |
| R9 | LINE OF WALL / STRUCTURE BELOW INTERIOR CMU WALL CONSTRUCTION PER PLAN (SHOWN DASHED) TO TERMINATE AT UNDERSIDE OF ROOF DECK. |
| R10 | TYPE I GREASE DUCT LOCATION WITH ROOF MOUNTED CENTRIFUGAL EXHAUST FAN HOUSING, SEE MECHANICAL DRAWINGS. |
| R11 | ROOF ACCESS LADDER WITH PARAPET PASS-THRU OPENING, SEE DETAIL 6/A6.03. |
| R12 | DISPATCH ANTENNA LOCATIONS, VERIFY WITH OWNER, SEE ELECTRICAL DRAWINGS. |

GENERAL NOTES

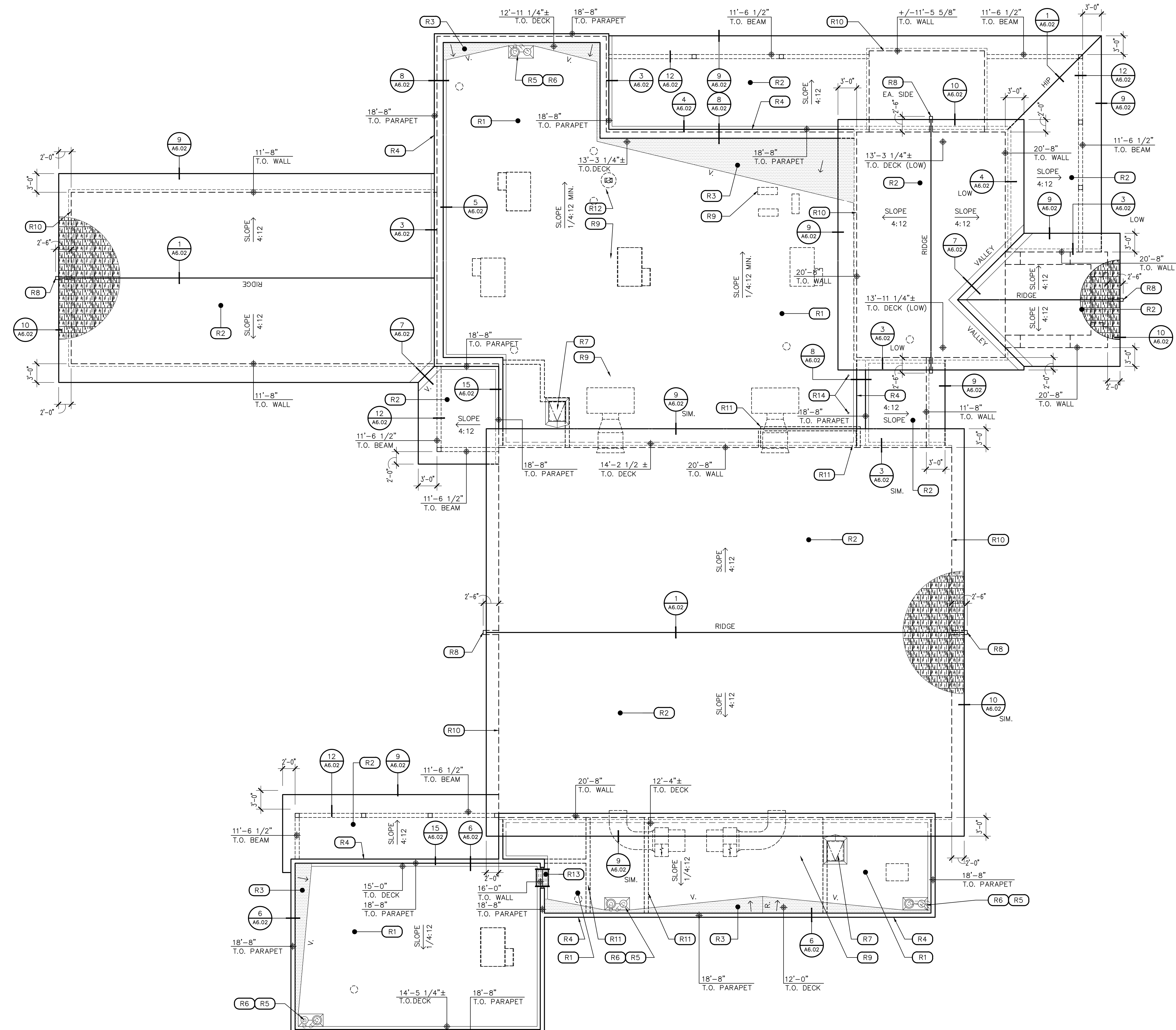
- ALL DIMENSIONS ARE FOR GENERAL ARRANGEMENT AND LOCATION ONLY. ACTUAL REQUIREMENTS AND DIMENSIONS SHALL BE VERIFIED AND COORDINATED WITH EQUIPMENT, SHOPS DRAWING SUBMITTALS AND STRUCTURAL FRAMING.
- ALL TOP OF ELEVATIONS SHOWN ARE BASED FROM DATUM FLOOR SLAB ELEVATION 0'-0".
- SEE MECH., ELEC., AND PLUMB. DWGS. FOR ADDITIONAL INFORMATION REGARDING ROOF PENETRATIONS AND ADDITIONAL ITEMS OF COORDINATION.
- LOCATIONS INDICATED FOR THE ROOF DRAIN DOWNSPOUTS SHALL BE COORDINATED WITH THE ARCH. FLOOR PLAN AND THE PLUMBING PLAN FOR PROPER PLACEMENT.
- CONTRACTOR TO VERIFY AND COORDINATE DUCT, CURB, AND ROOF PENETRATION LOCATIONS. SEE STRUCTURAL FRAMING PLAN FOR ROOF MEMBER LOCATIONS.
- ALL AREAS OF THE ROOF SURFACE SHALL MAINTAIN A MIN. 1/4" PER FOOT SLOPE.
- SEE STRUCTURAL DWGS. FOR ROOF DECK MATERIAL.
- ALL ROOF MOUNTED EQUIPMENT SHALL BE SCREENED FROM VIEW BY THE BUILDING PARAPET.
- NO PLUMBING VENTS OR EXHAUST UNITS WITHIN 10'-0" OF INTAKE OR 5'-0" OF EXTERIOR WALL.
- ALL ROOF PENETRATIONS, INCLUDING PLUMBING AND ELECTRICAL ROOF JACKS SHALL BE 18" MIN. APART AND MADE PRIOR TO MEMBRANE ROOF INSTALLATION.
- PROVIDE CRICKET ON HIGH SIDE OF ALL MECH. EQUIPMENT AND ROOF CURBS.
- CONTRACTOR SHALL PAINT FRONT, TOP AND BACK SIDES OF ALL WALL COPINGS UNLESS NOTED OTHERWISE.
- ALL JOINTS IN METAL REVEALS AND EXPOSED TRIM ARE BUTT JOINT - NO LAP JOINTS - SEAL PRIOR TO PAINT FOR WEATHER TIGHT CONDITION.
- PAIN TOP OF EXPOSED MECHANICAL UNITS AND VENTS THROUGH ROOF WHITE - ENSURE A MINIMUM SOLAR REFLECTANCE INDEX (SRI) OF 79.

KEY PLAN

SEE SHEETS A8.01 AND A8.02 FOR BUILDING SECTIONS SHOWN BELOW.

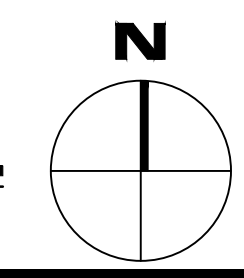


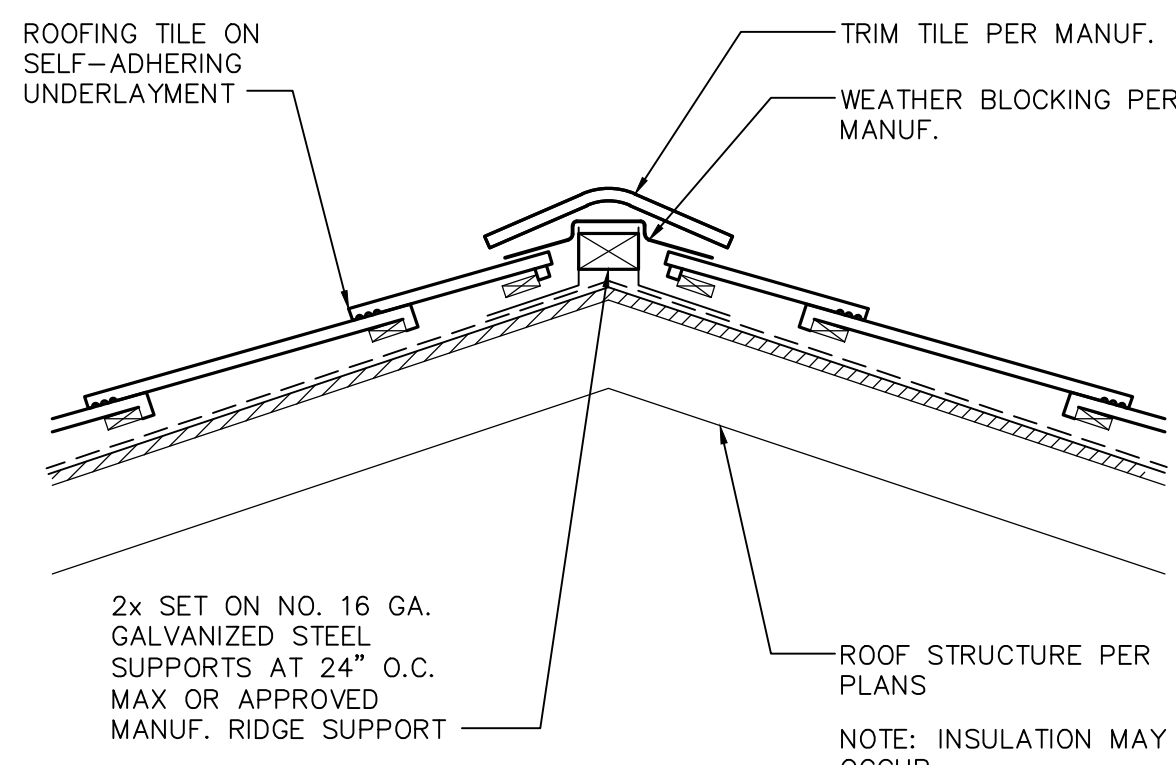
Note:
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1 ROOF PLAN

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

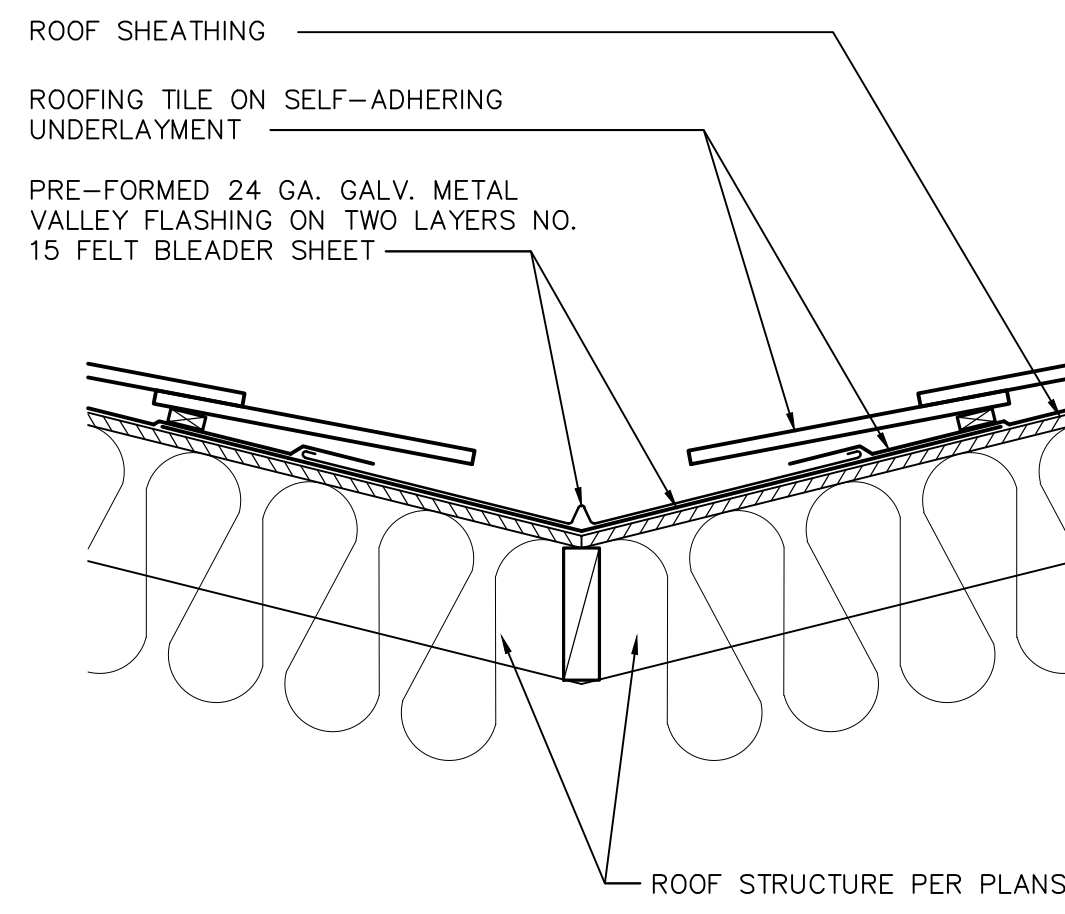




1 RIDGE / HIP

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

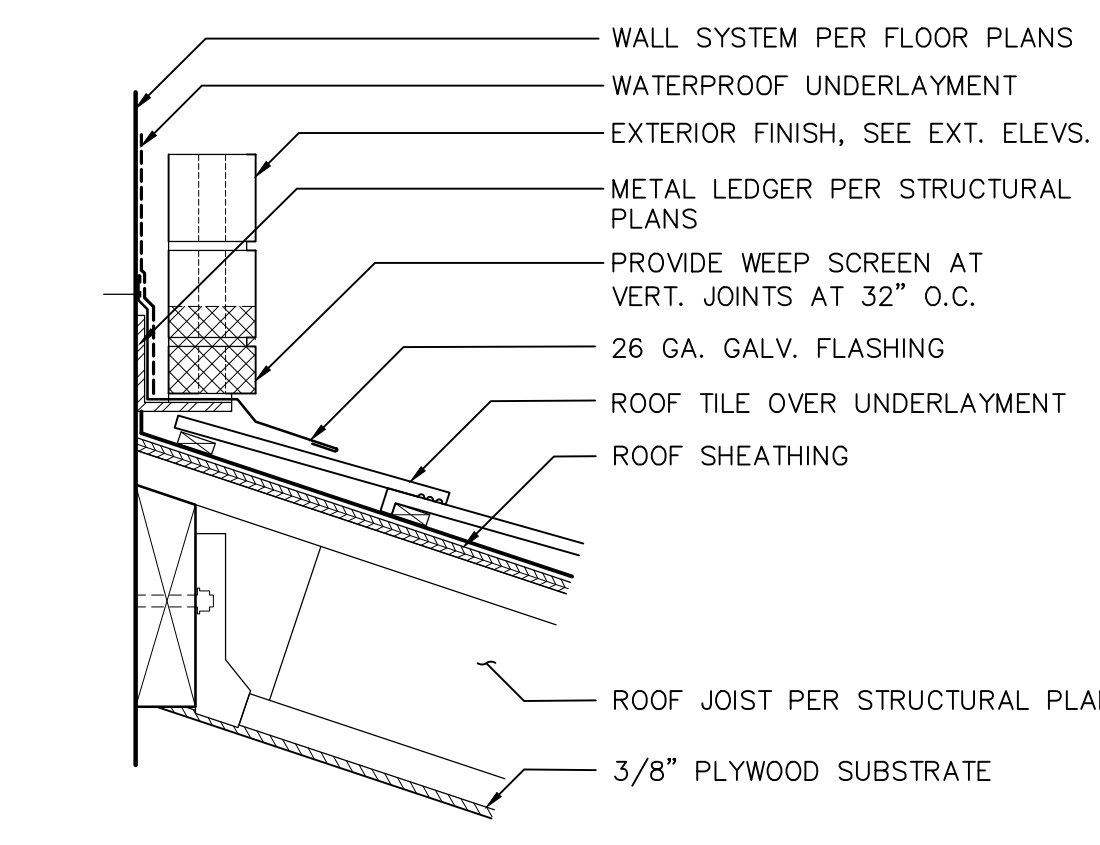
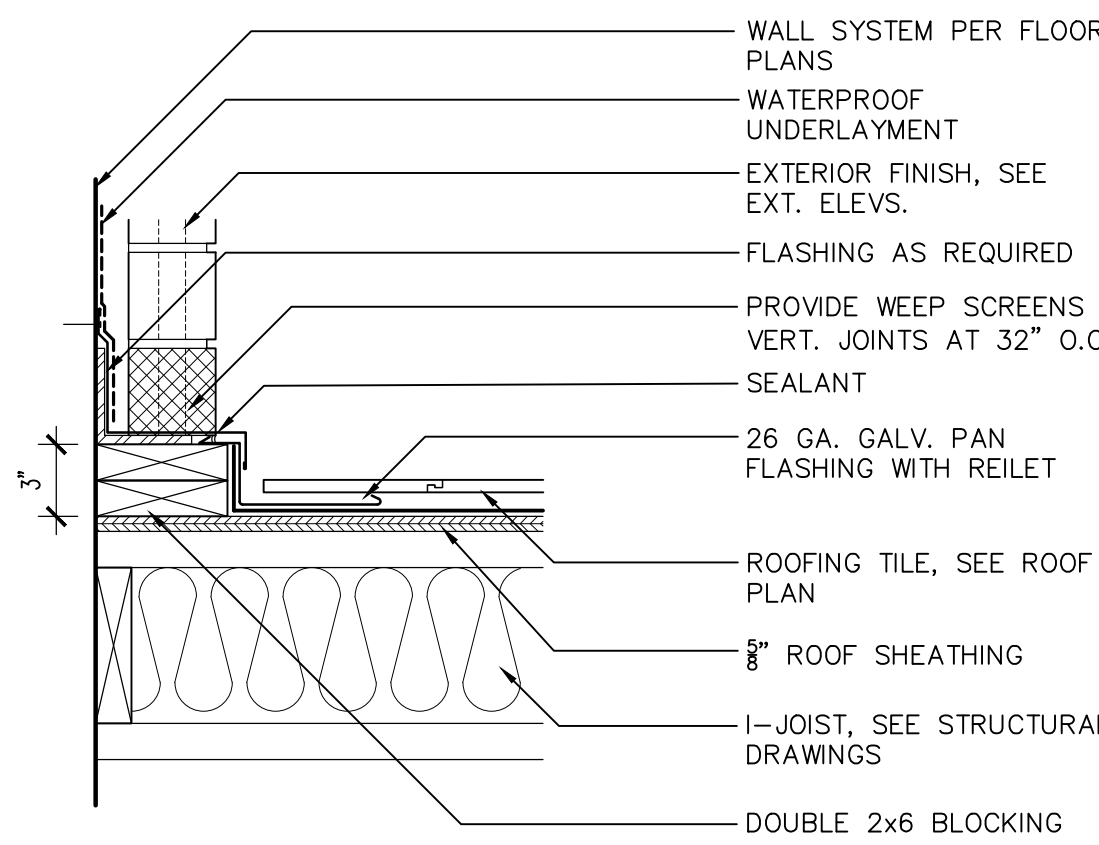
RIDGEHIP



3 SIDEWALL FLASHING

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

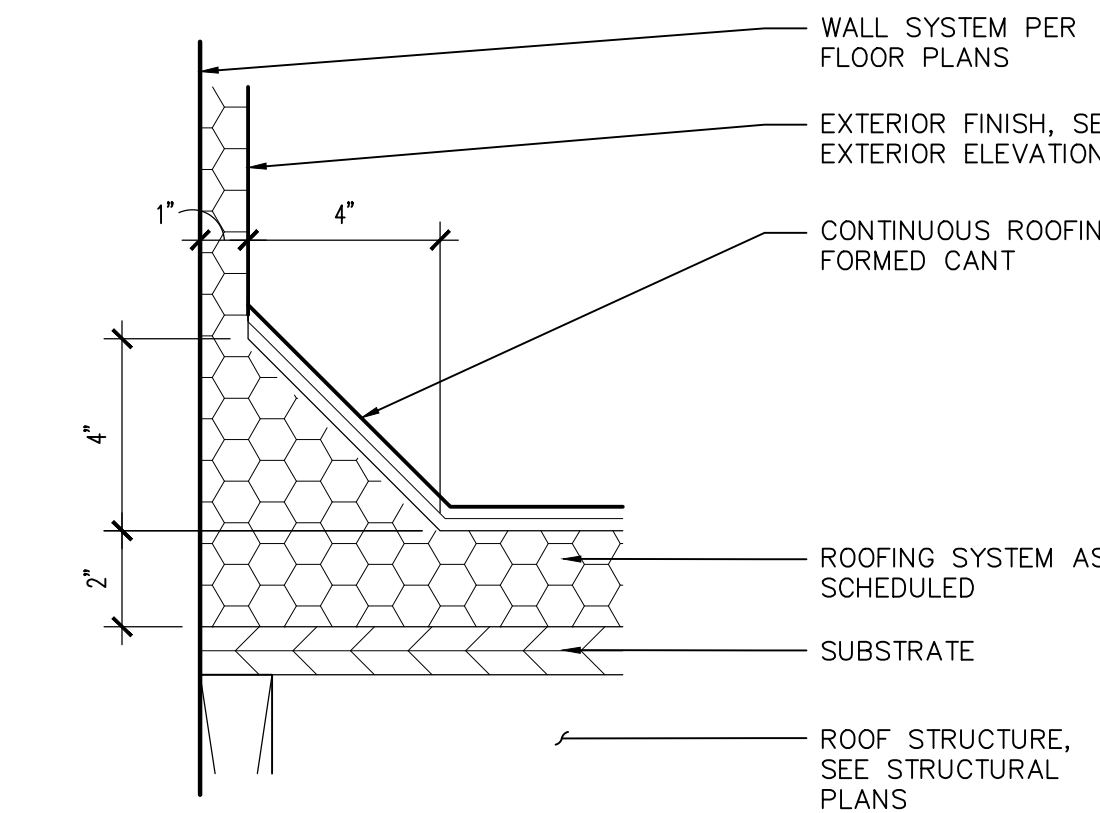
SIDEWALL FLASHING



4 HEADWALL FLASHING

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

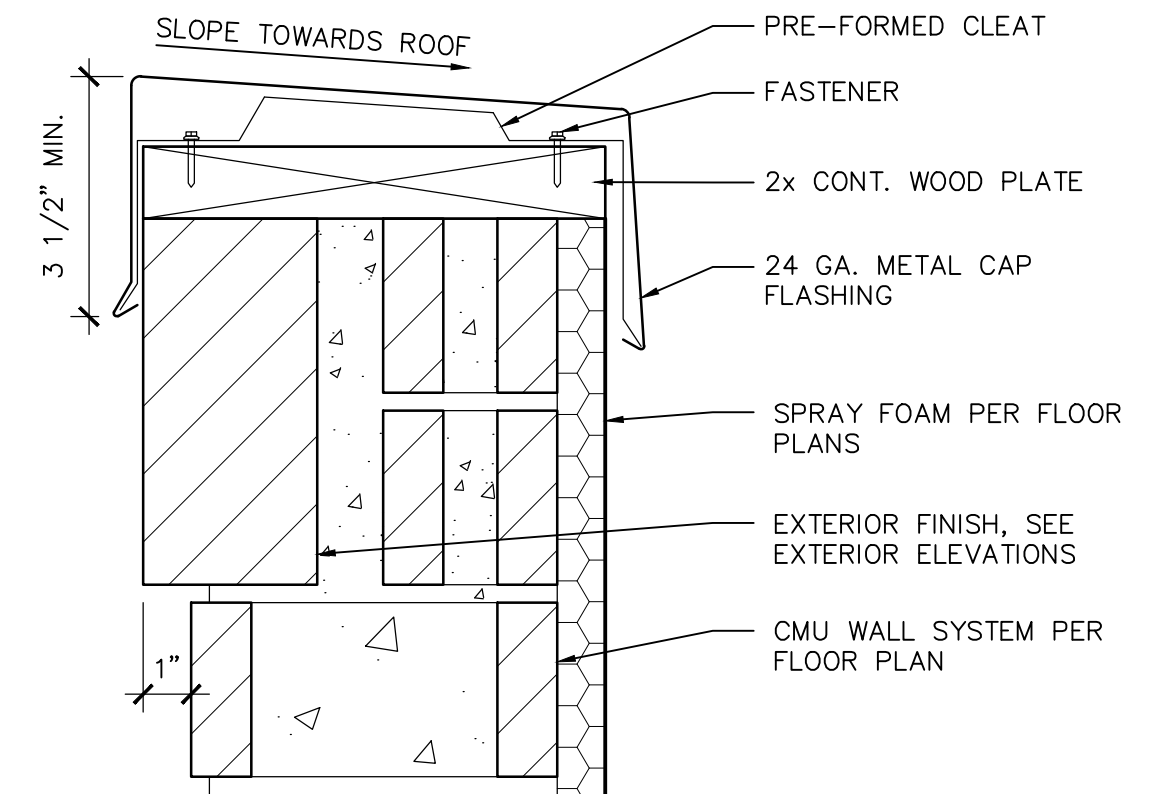
HEADWALL FLASHING



5 CANT STRIP

SCALE: 3" = 1'-0"

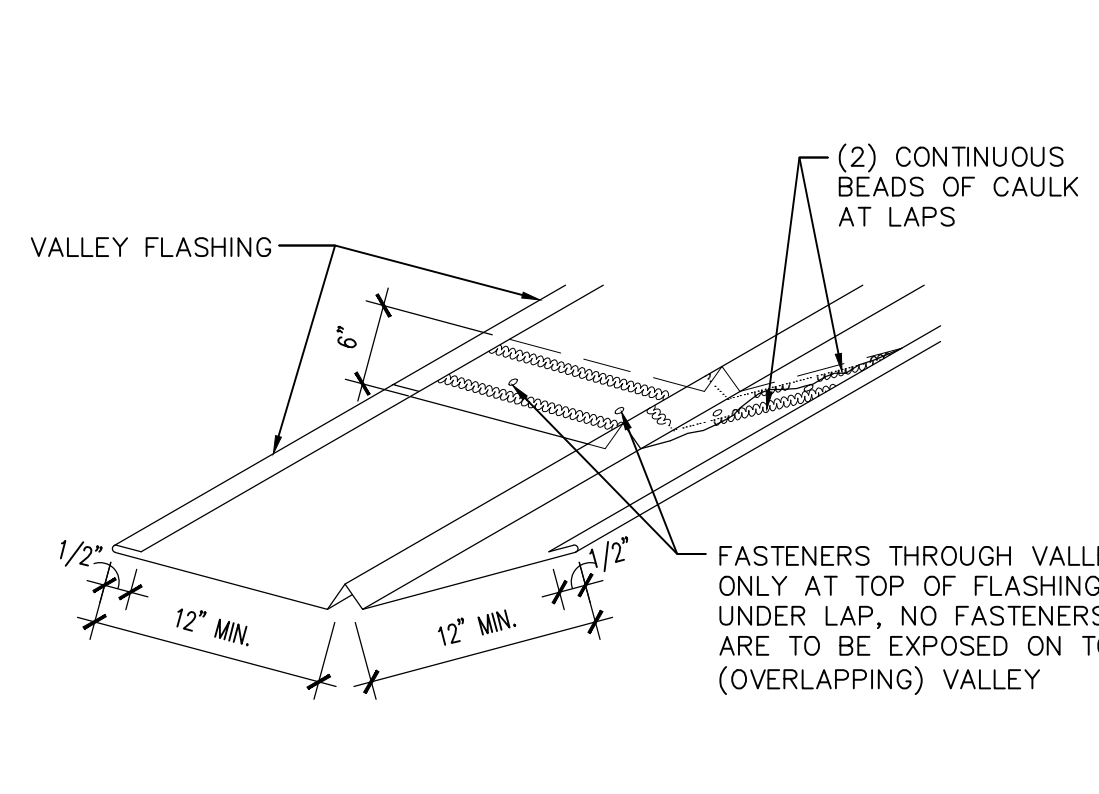
CANT_01



6 PARAPET WALL COPING

SCALE: 3" = 1'-0"

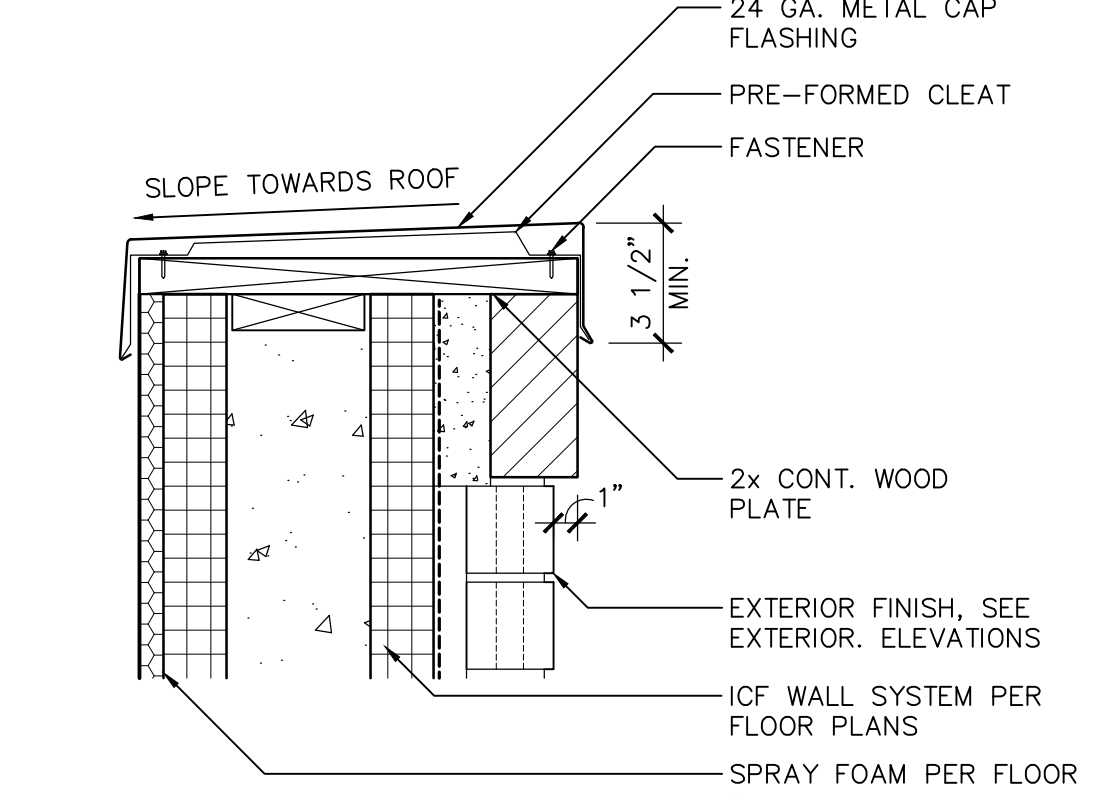
PARAPET_CMU



7 VALLEY

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

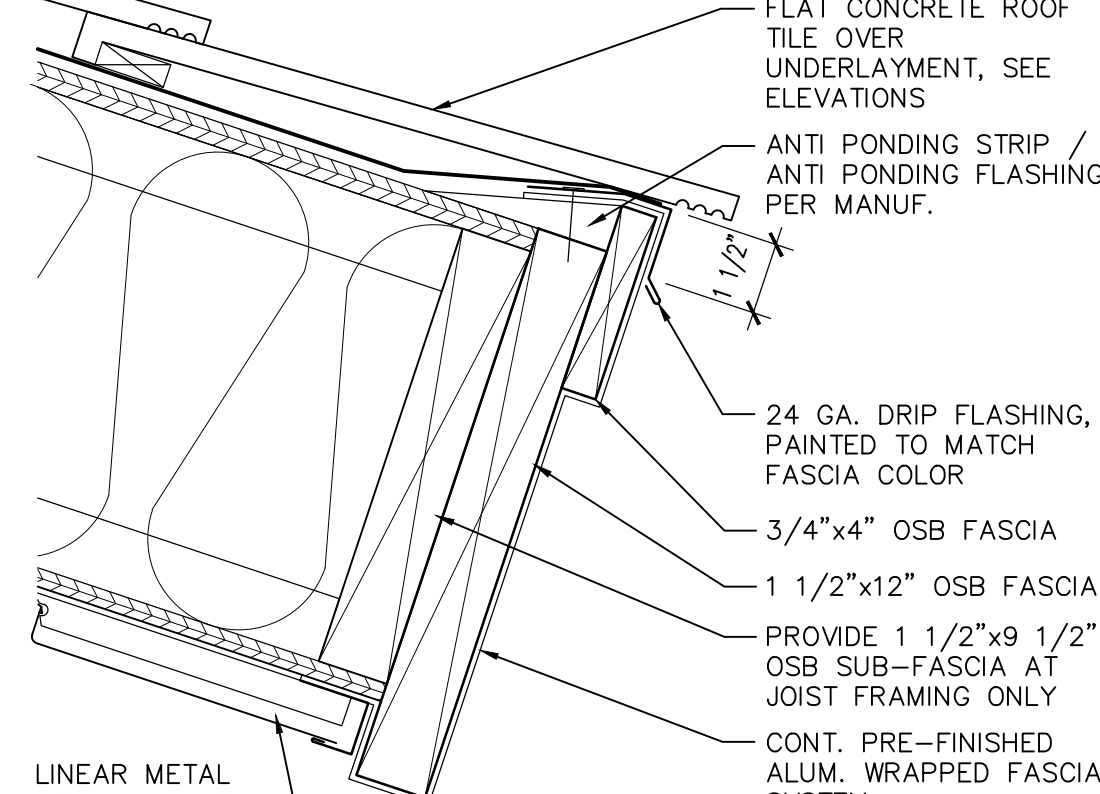
VALLEY



8 PARAPET WALL COPING

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

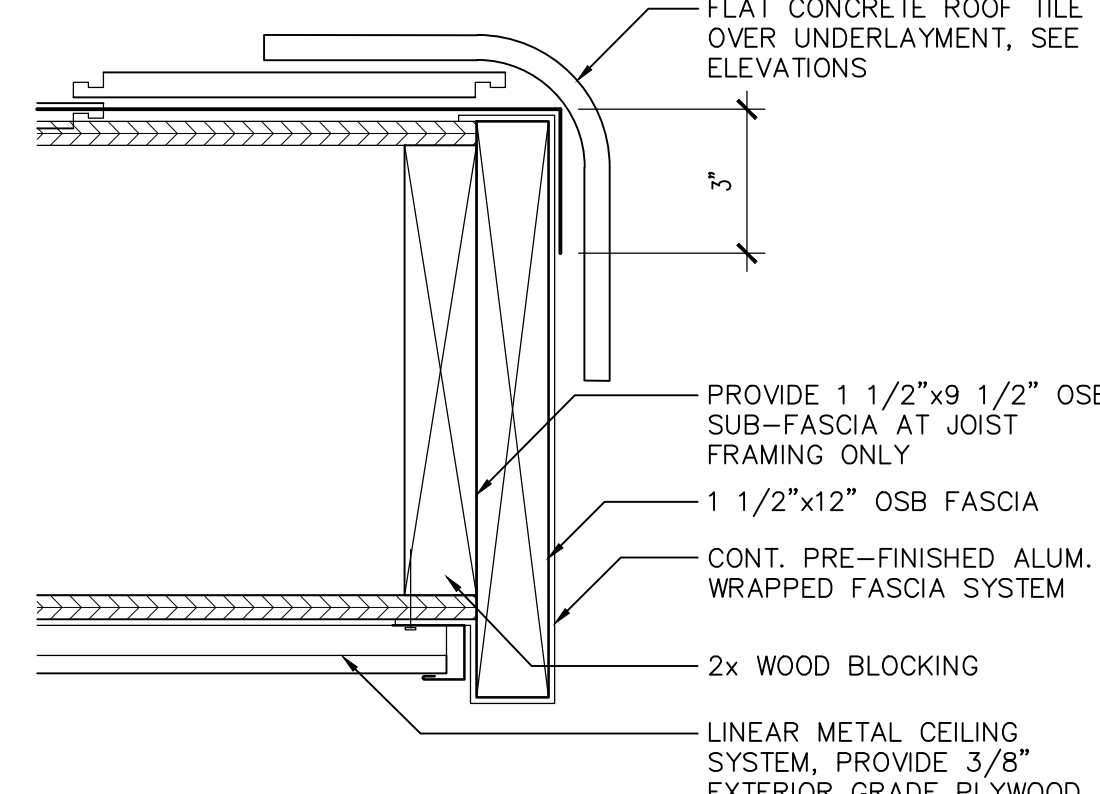
PARAPET_ICF



9 FASCIA AT EAVE

SCALE: 3" = 1'-0"

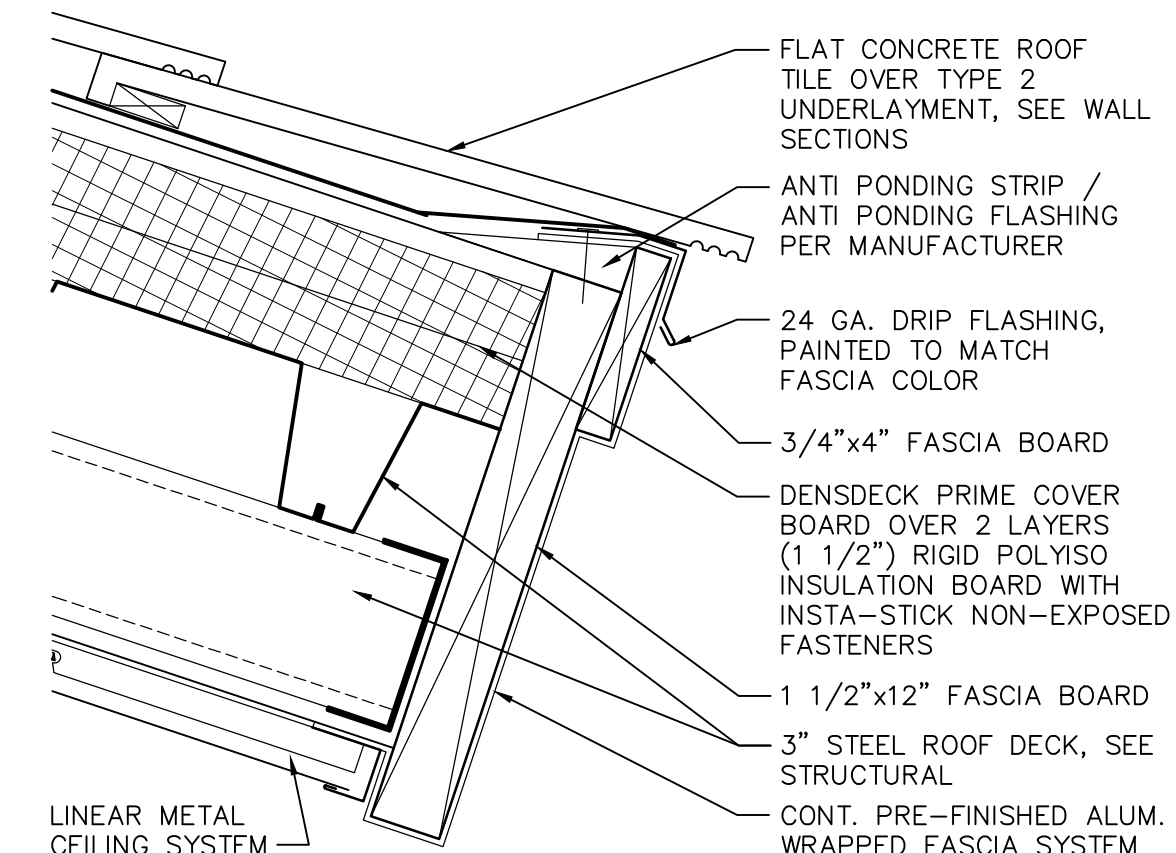
FASCIA_01



10 RAKE DETAIL

SCALE: 3" = 1'-0"

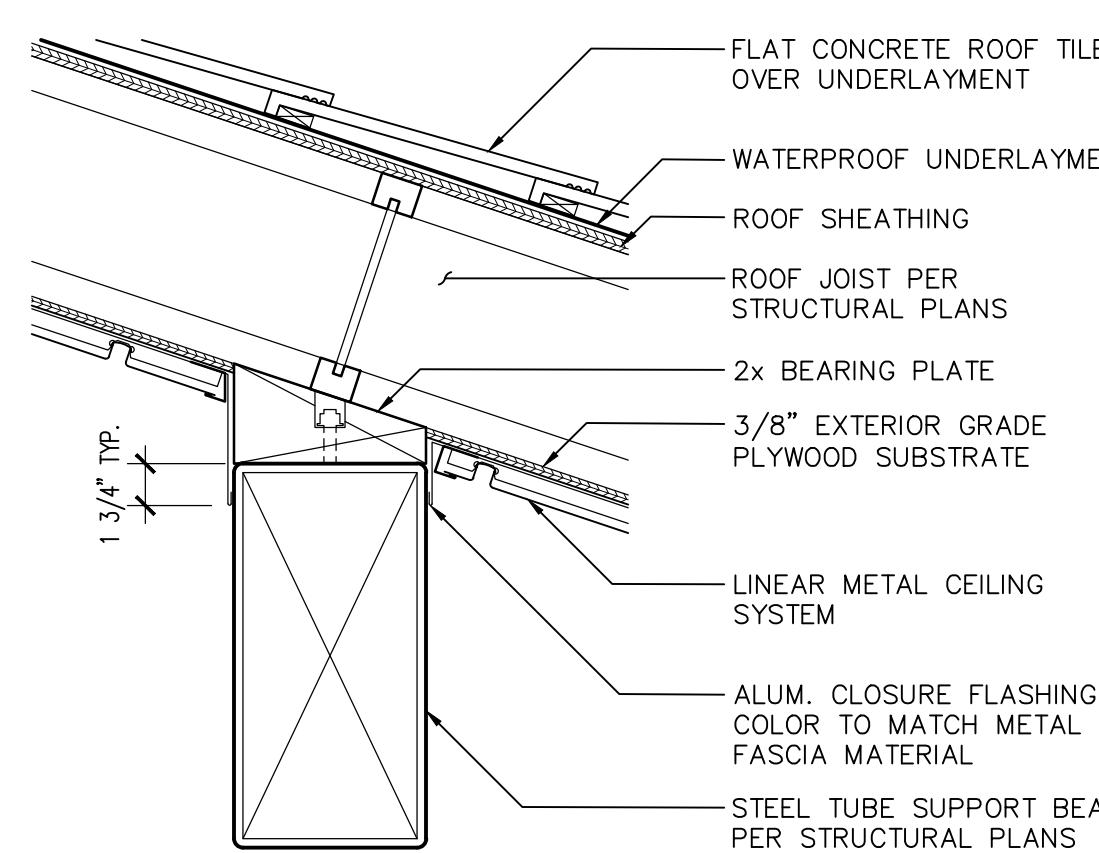
RAKE_01



11 FASCIA AT EAVE

SCALE: 3" = 1'-0"

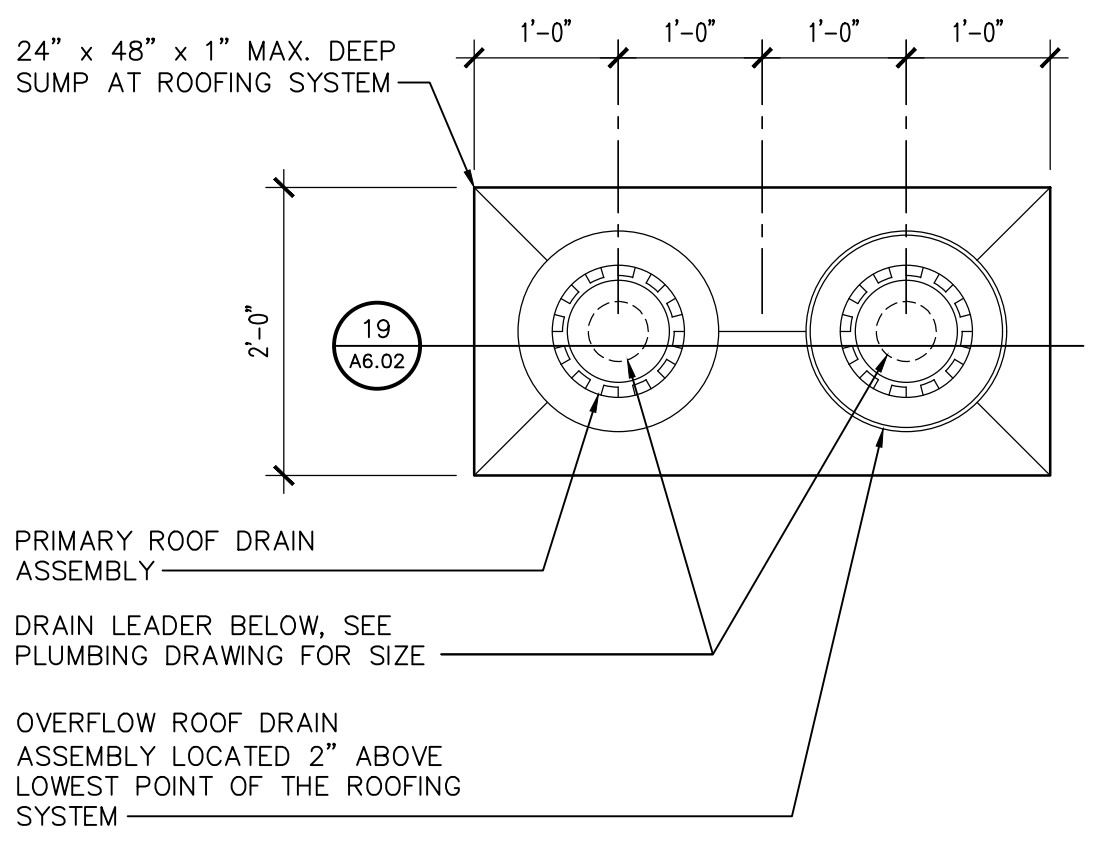
FASCIA_02



12 BEAM DETAIL

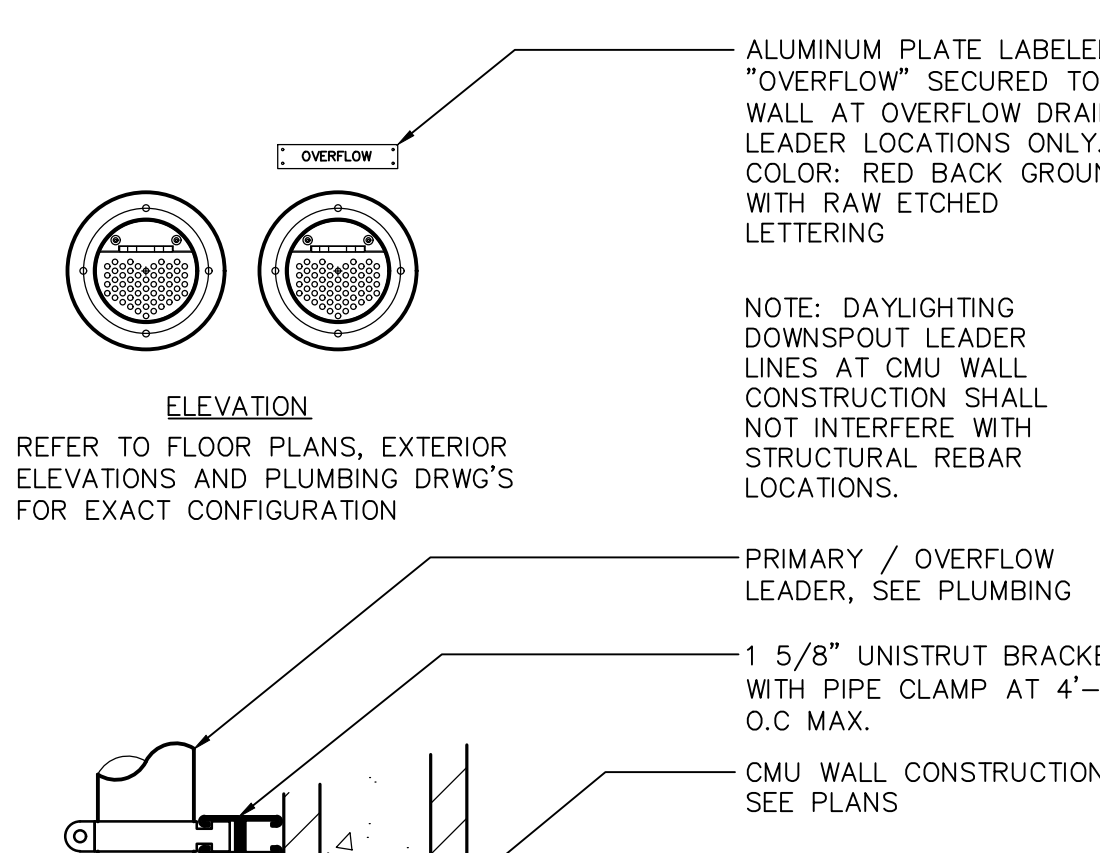
SCALE: 1 1/2" = 1'-0"

BEAM_01



13 ROOF DRAIN PLAN

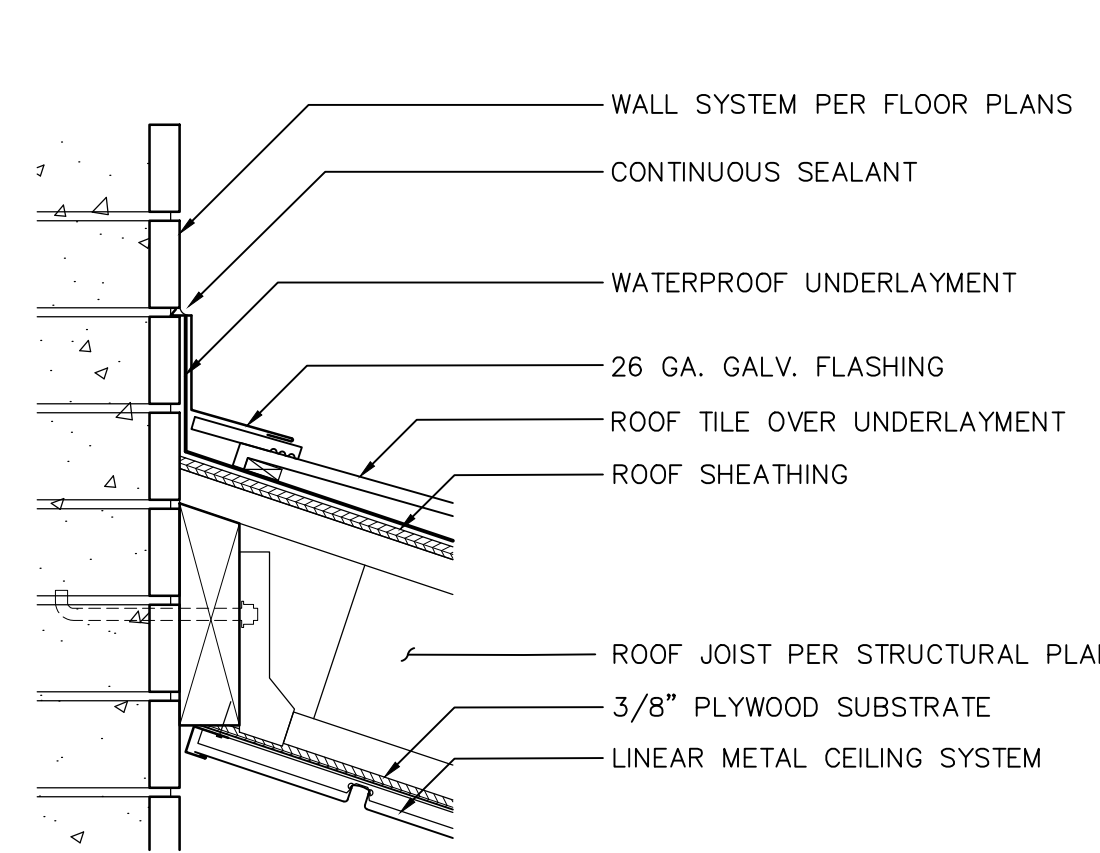
SCALE: 3/4" = 1'-0"



19 DOWNSPOUT

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

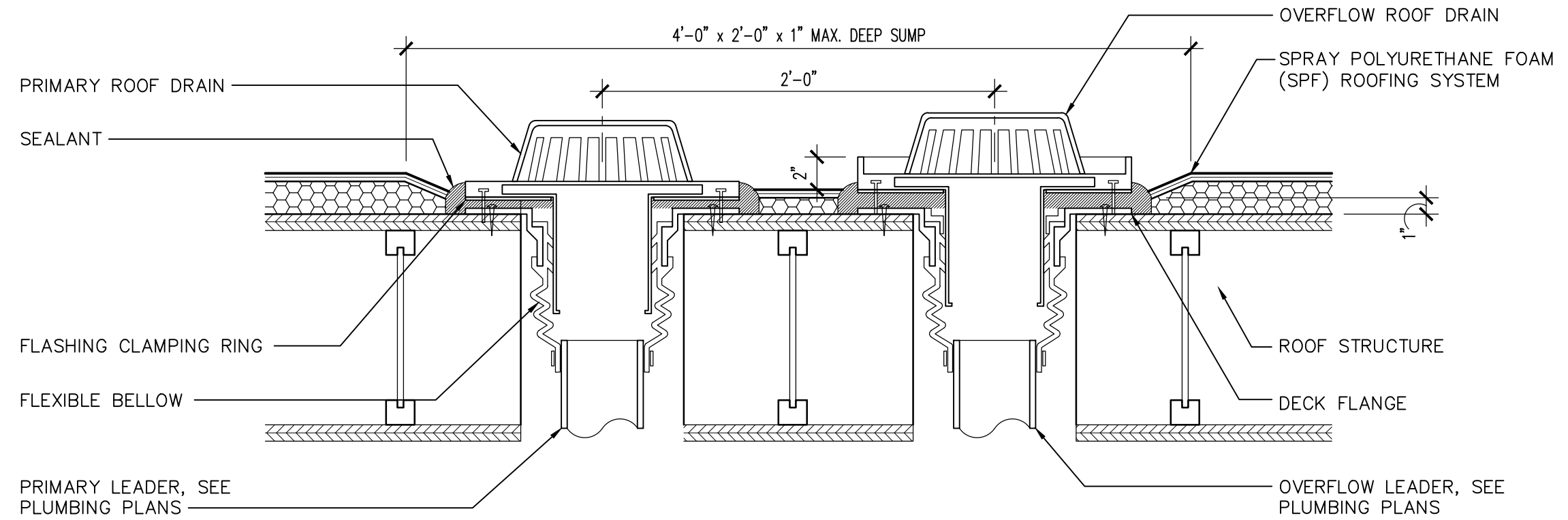
DOWNSPOUT_01



15 HEADWALL FLASHING

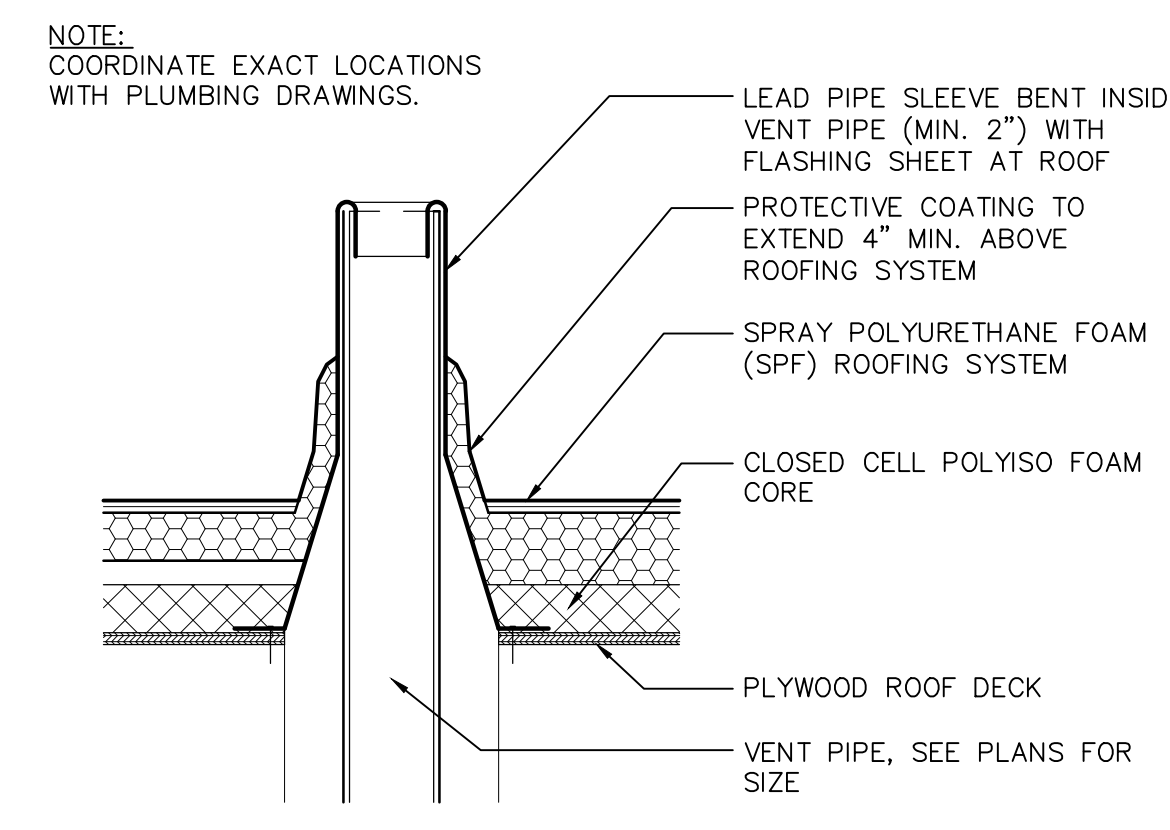
SCALE: 1 1/2" = 1'-0"

HEADWALL_FLASHING_02



17 PRIMARY ROOF DRAIN / OVERFLOW ROOF DRAIN

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



20 PIPE PENETRATION

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

PIPE PENETRATION

Revisions	Date
1	5/22/24
CITY COMMENTS	



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Drawn By:
TA / RS
Checked By:
GA / TA
Date:
12/14/2023
Phase:
PERMIT

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Architects of Arizona
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perlman.com

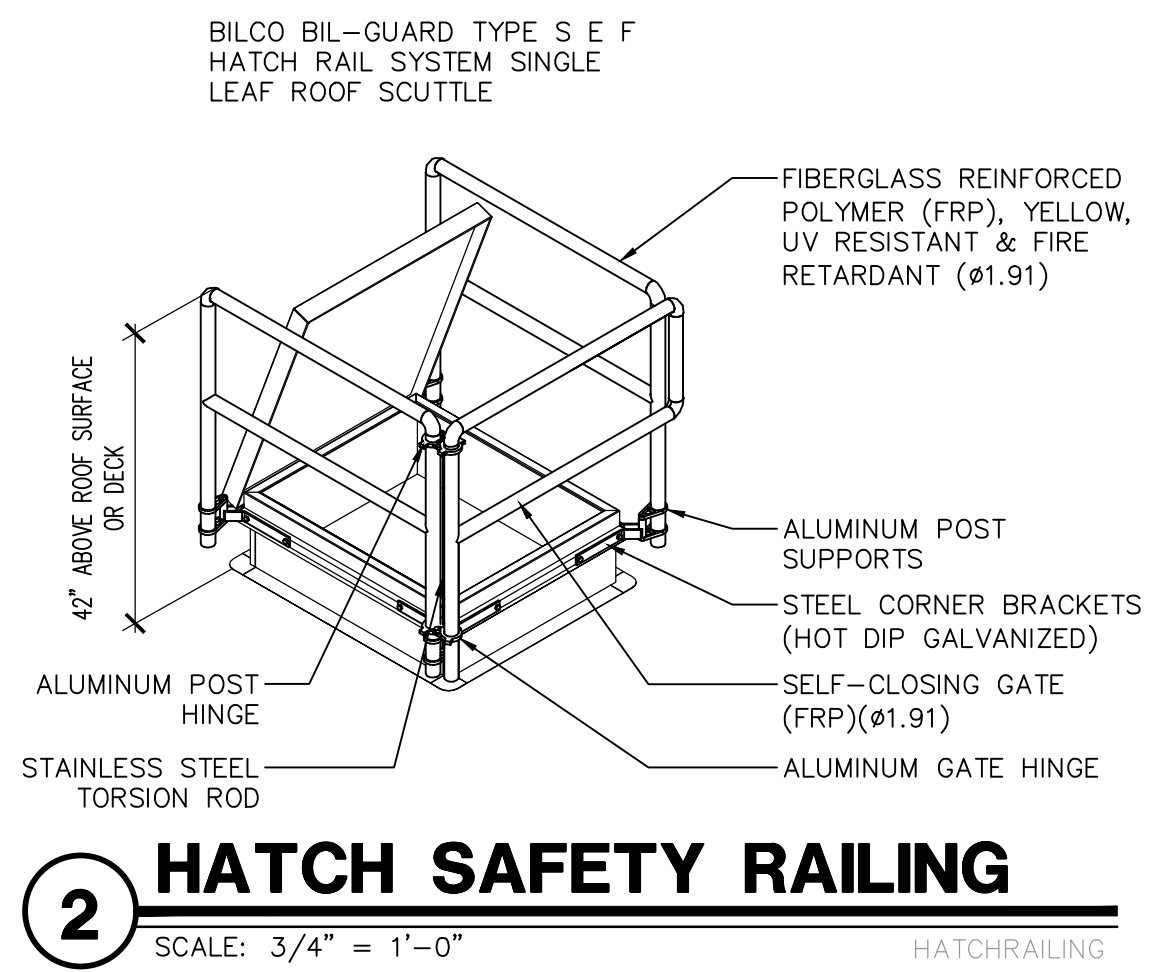
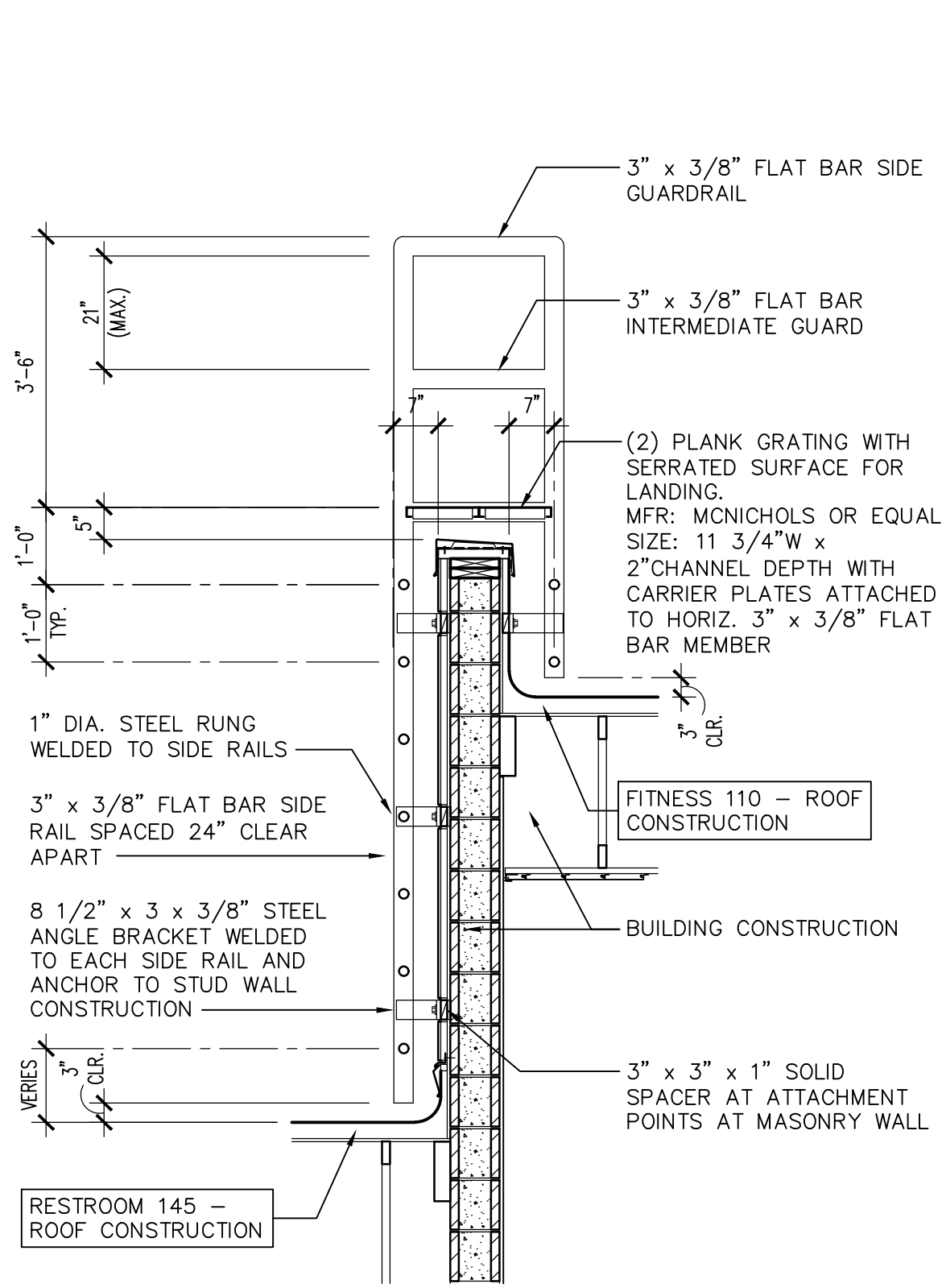
Title:
FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
Index No:
FD57100020-3



KIVA # 23-1810
SDEV # 2300473

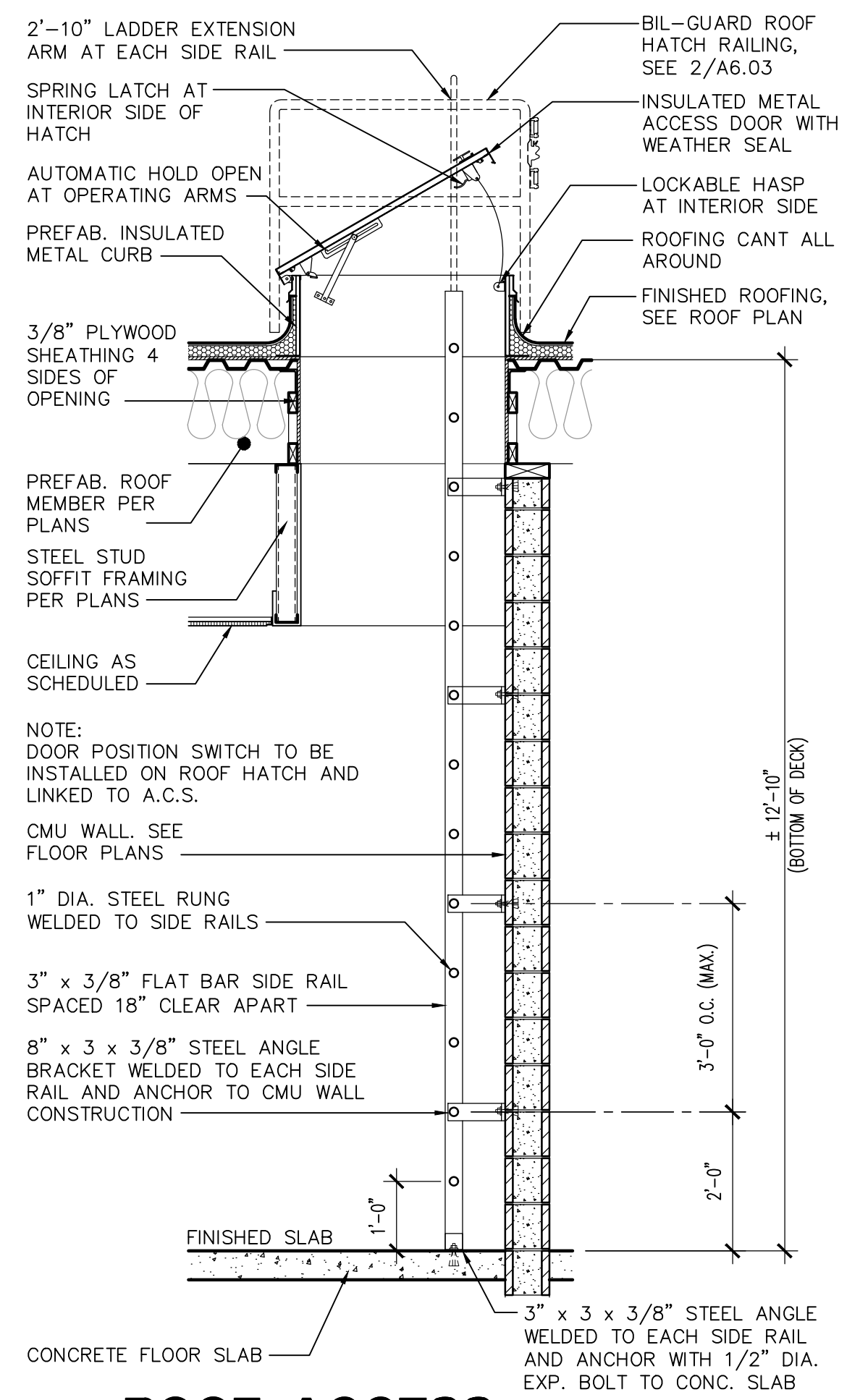
ROOF DETAILS
A6.02

Note:
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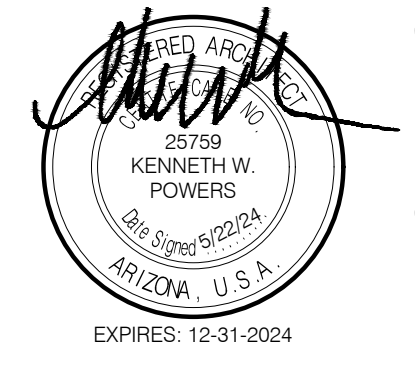
2 HATCH SAFETY RAILING
 SCALE: 3/4" = 1'-0"
 HATCHRAILING

6 ROOF LADDER
 SCALE: 1/2" = 1'-0"
 ROOFLADDER01



16 ROOF ACCESS
 SCALE: 1/2" = 1'-0"
 ROOFACCESS02

Revisions	Date
△ CITY COMMENTS	5/22/24



Designed By:
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Checked By:
 GA / TA

Date:
 12/14/2023

Phase:
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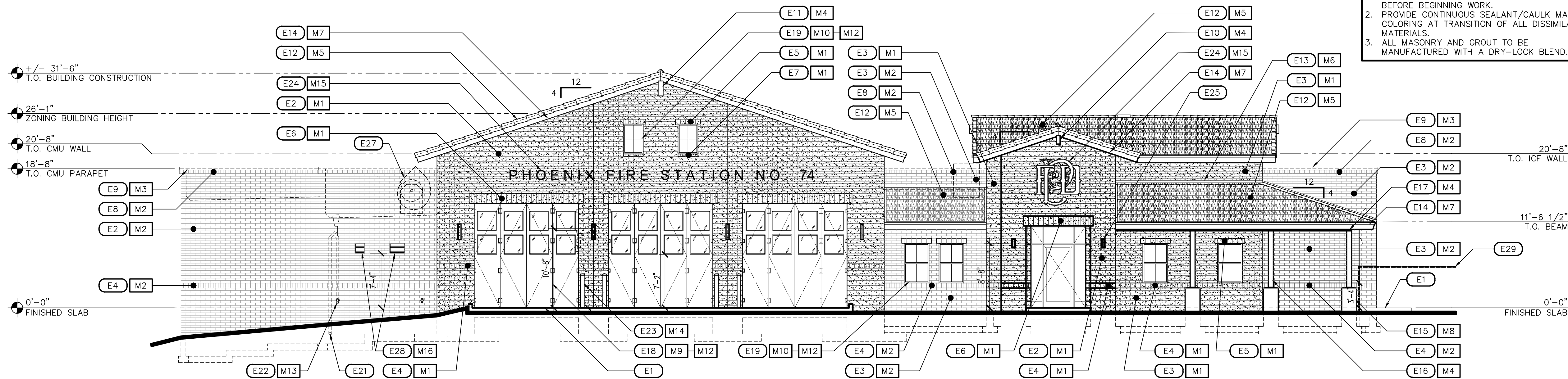
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**FIRE STATION #74
 1910 W. CHANDLER BLVD.
 PHOENIX, ARIZONA 85045**
 Index No: **FD57100020-3**

KIVA # **23-1810**
 SDEV # **2300473**

ROOF DETAILS
A6.03

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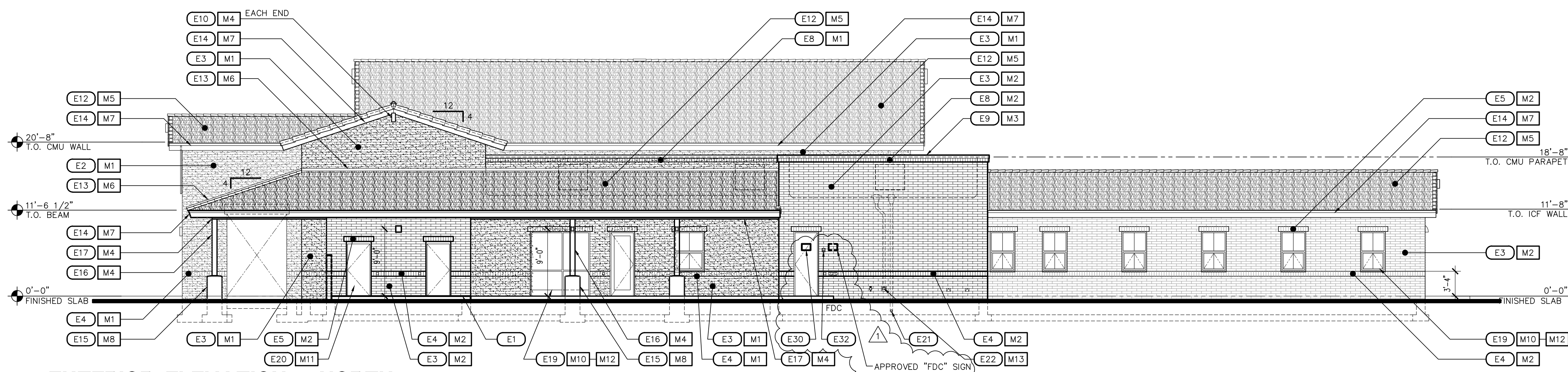
CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL



1 EXTERIOR ELEVATION - EAST

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

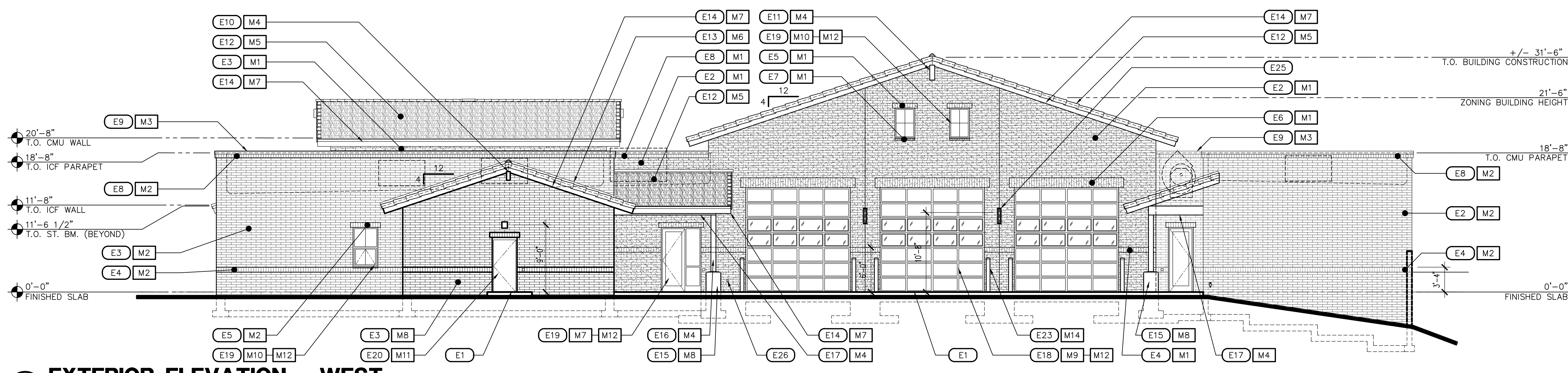
ELEV-EXT



2 EXTERIOR ELEVATION - NORTH

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

ELEV-EXT



3 EXTERIOR ELEVATION - WEST

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

ELEV-EXT

GENERAL NOTES

1. INFORM THE ARCHITECT OF ANY DISCREPANCIES BEFORE BEGINNING WORK.
2. PROVIDE CONTINUOUS SEALANT/CAULK MATCHED COLORING AT TRANSITION OF ALL DISSIMILAR MATERIALS.
3. ALL MASONRY AND GROUT TO BE MANUFACTURED WITH A DRY-LOCK BLEND.

KEYNOTES

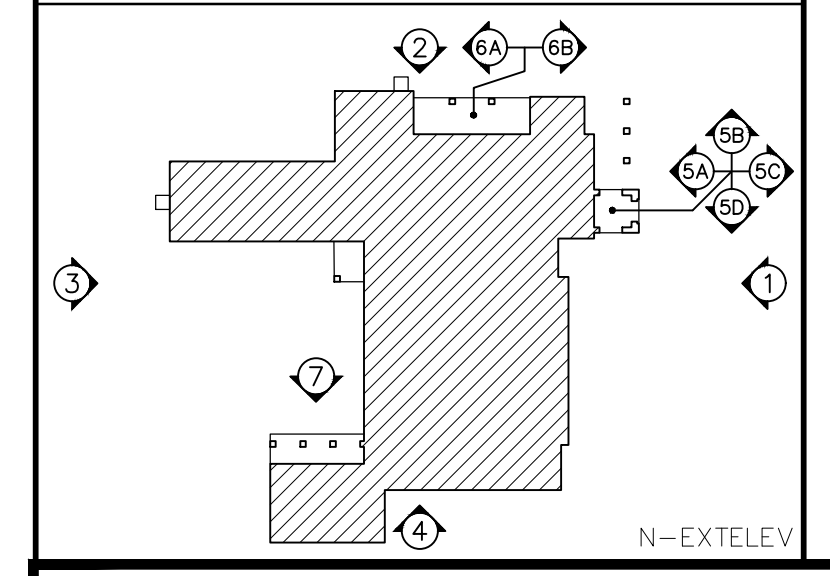
DESCRIPTION
E1 CONCRETE SLAB, WALK, STOOP OR DRIVEWAY, SLOPE AWAY FROM BUILDING, SEE ARCHITECTURAL SITE AND CIVIL DRAWINGS
E2 8x4x16 CONCRETE MASONRY UNIT (CMU) EXPOSED WALL CONSTRUCTION, RUNNING BOND
E3 4x4x16 CONCRETE MASONRY UNIT (CMU) EXPOSED WALL VENEER, RUNNING BOND PER DETAIL 29/S2.02
E4 4Wx8H CONCRETE MASONRY UNIT (CMU) EXPOSED HORIZONTAL BAND AND PROVIDE SOLID (CMU) EXPOSED SILLS AT WINDOW LOCATIONS ONLY, SOLDIER COURSE
E5 4Wx8H CONCRETE MASONRY UNIT (CMU) EXPOSED HORIZONTAL BAND, SOLDIER COURSE
E6 4Wx16H CONCRETE MASONRY UNIT (CMU) EXPOSED HORIZONTAL BAND, SOLDIER COURSE
E7 8x4x4 SOLID CONCRETE MASONRY UNIT (CMU) EXPOSED WINDOW SILL, SOLDIER COURSE
E8 4x4x8 SOLID CONCRETE MASONRY UNIT (CMU) EXPOSED PARAPET CROWN, LOCATE +1" FROM WALL BELOW, SOLDIER COURSE
E9 24 GA. CONTINUOUS CLEAT PARAPET WALL COPING SYSTEM
E10 6x14 EXPOSED STEEL TUBE RIDGE LOOKOUT WITH END CLOSURE
E11 8x24 EXPOSED STEEL TUBE RIDGE LOOKOUT WITH END CLOSURE
E12 INTERLOCKING CONCRETE ROOFING TILES
E13 26 GA. CONTINUOUS ROOFING TILE FLASHING
E14 CONTINUOUS PRE-FINISHED ALUMINUM WRAPPED FASCIA SYSTEM, SEE DETAIL 9-10/A6.02
E15 CAST-IN PLACE CONCRETE BASE WITH 1" CAMFERED EXPOSED EDGES AND 1" SLOPED TOP
E16 STEEL TUBE COLUMN
E17 STEEL TUBE SUPPORT BEAM
E18 APPARATUS BAY DOOR AND SECTIONAL OVERHEAD DOOR WITH GLAZING AS SCHEDULED
E19 ALUMINUM STOREFRONT SYSTEM (DOOR/WINDOW) WITH GLAZING UNIT AS SCHEDULED
E20 HOLLOW METAL DOOR WITH HOLLOW METAL FRAME SYSTEM AS SCHEDULED
E21 PRIMARY ROOF DRAIN DOWNSPOUT CONNECT TO STORM DRAIN SYSTEM PER CIVIL DRAWINGS
E22 OVERFLOW ROOF DRAIN LEADER DOWNSPOUT NOZZLE, DAYLIGHT 12" A.F.F., SEE DETAIL 19/A6.02
E23 STEEL TUBE BOLLARD WITH CAP, SEE DETAIL 1/A10.01
E24 BUILDING SIGNAGE, ALUMINUM REVERSE PAN WITH 1" STAND-OFF
E25 LIGHT FIXTURE, SEE BACK DETAIL 1-3/A10.02 AS SCHEDULED PER ELECTRICAL DRAWINGS
E26 EXTERIOR POWER OUTLET PER ELECTRICAL DRAWINGS
E27 MECHANICAL UNIT BEYOND (SHOWN DASHED)
E28 MECHANICAL LOUVER, PAINT TO MATCH ADJACENT SURFACE, SEE MECH. PLANS
E29 8x4x16 CONCRETE MASONRY UNIT (CMU) EXPOSED SITE WALL CONSTRUCTION SHOWN DASHED
E30 FIRE RISER ROOM SIGN
E31 12" HIGH, 3" STROKE ADDRESS NUMBERS, BRUSHED ALUMINUM FINISH, ILLUMINATED
E32 KNOX BOX LOCATION

COLOR LEGEND

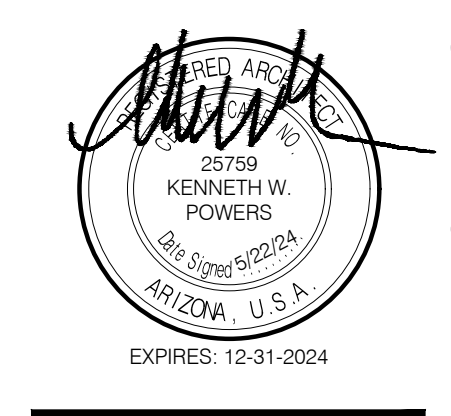
DESCRIPTION
M1 CONCRETE MASONRY UNIT (CMU), - MFR: SUPERLITE, MESASTONE OPAL, SHOT PEENED FINISH, AT ALL EXPOSED FACES, GROUT: COLOR MATCH
M2 CONCRETE MASONRY UNIT (CMU), - MFR: SUPERLITE, MESASTONE PEPPERCORN, SHOT PEENED, GROUT: COLOR MATCH
M3 PARAPET WALL COPING SYSTEM - MFR: ATAS, COLOR: PRE-FINISHED TO MATCH DUNN EDWARDS BOAT ANCHOR DE6377
M4 EXPOSED STEEL CONSTRUCTION, PAINT - MFR: DUNN EDWARDS, BOAT ANCHOR DE6377
M5 INTERLOCKING CONCRETE ROOFING TILES - MFR: EAGLE ROOFING, PROFILE BEL AIR COLOR: 4697 SLATE RANGE
M6 CONTINUOUS ROOFING TILE FLASHING, GALVANIZED STEEL, COLOR: NATURAL
M7 ALUMINUM WRAPPED FASCIA SYSTEM - MFR: ATAS, COLOR: PRE-FINISHED GREY TO MATCH DUNN EDWARDS BOAT ANCHOR DE6377
M8 CAST-IN PLACE CONCRETE BASE - COLOR: RAW CONCRETE, FINISH: MEDIUM SANDBLAST
M9 APPARATUS BAY DOOR, DRYLAC POWDER COATING - MFR: TIGER, COLOR: RAL 3001
M10 ALUM. STOREFRONT DOOR/WINDOW SYSTEM - MFR: ARCADIA, COLOR: CLEAR ANODIZED
M11 HOLLOW METAL DOOR AND HOLLOW METAL FRAME, PAINT - MFR: DUNN EDWARDS BOAT ANCHOR DE6377
M12 GLAZING UNIT - SEE DOOR AND WINDOW SCHEDULES FOR TYPE AND TINT
M13 DOWNSPOUT NOZZLE
M14 STEEL TUBE BOLLARD WITH CAP, PAINT - MFR: DUNN EDWARDS, BOAT ANCHOR DE 6377
M15 BUILDING SIGNAGE, ALUMINUM - COLOR: MATCH WITH TIGER RAL3001
M16 MISCELLANEOUS BUILDING ELEMENT, PAINT - MFR: DUNN EDWARDS, BOAT ANCHOR DE6377
M17 CLEAR ANODIZED OVERHEAD DOOR

NOTE: ALL LIGHT FIXTURES TO BE CLEAR ANODIZED

KEY PLAN



Revisions	Date
1	5/22/24
CITY COMMENTS	



Designed By:
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Drawn By:
TA / RS

Checked By:
GA / TA

Date:
12/14/2023

Phase:
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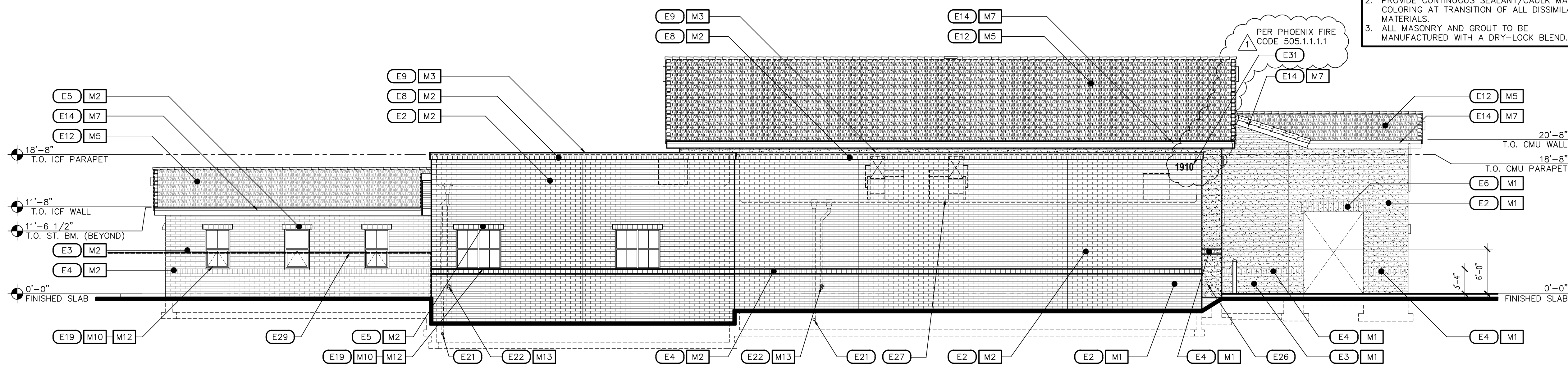
Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**

Index No:
FD57100020-3

KIVA # **23-1810**
SDEV # **2300473**

EXTERIOR ELEVATIONS
A7.01

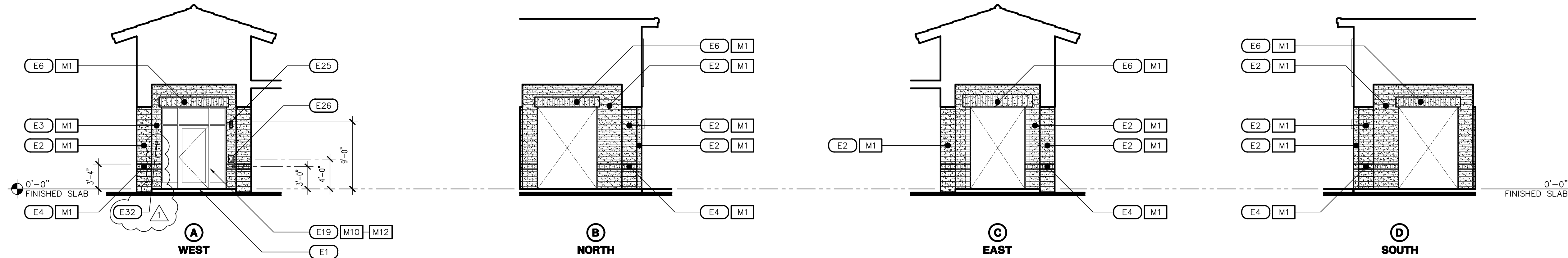
CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL



4 EXTERIOR ELEVATION - SOUTH

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

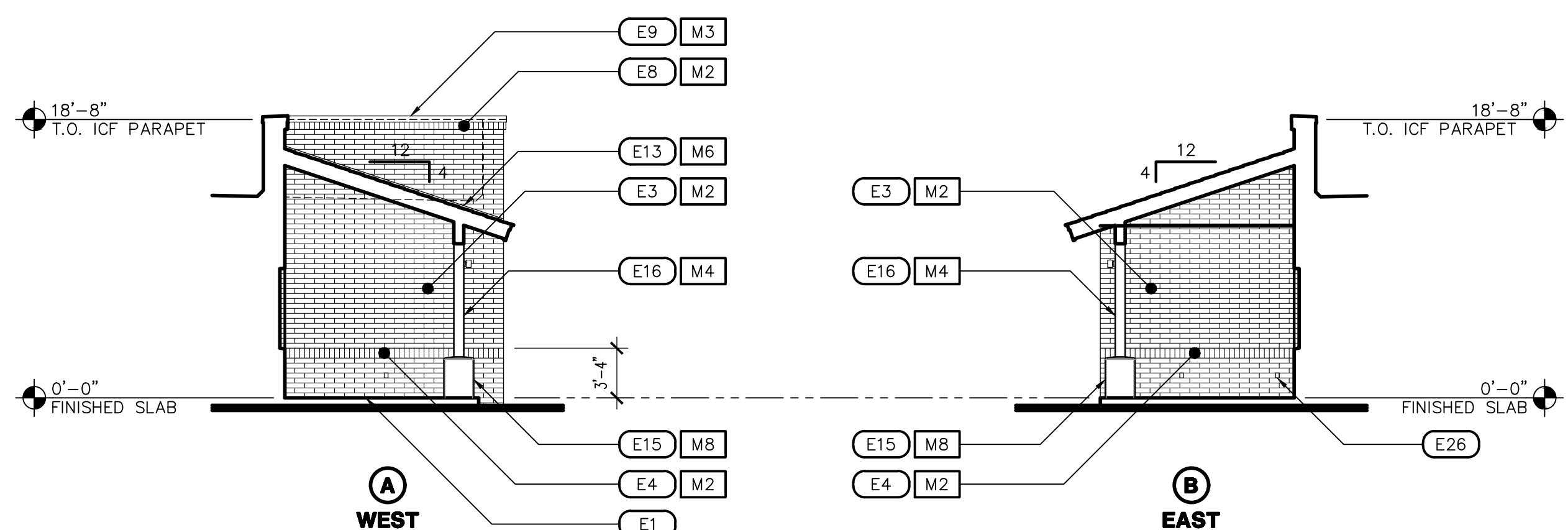
ELEV-EXT



5 EXTERIOR ELEVATION - PUBLIC ENTRY

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

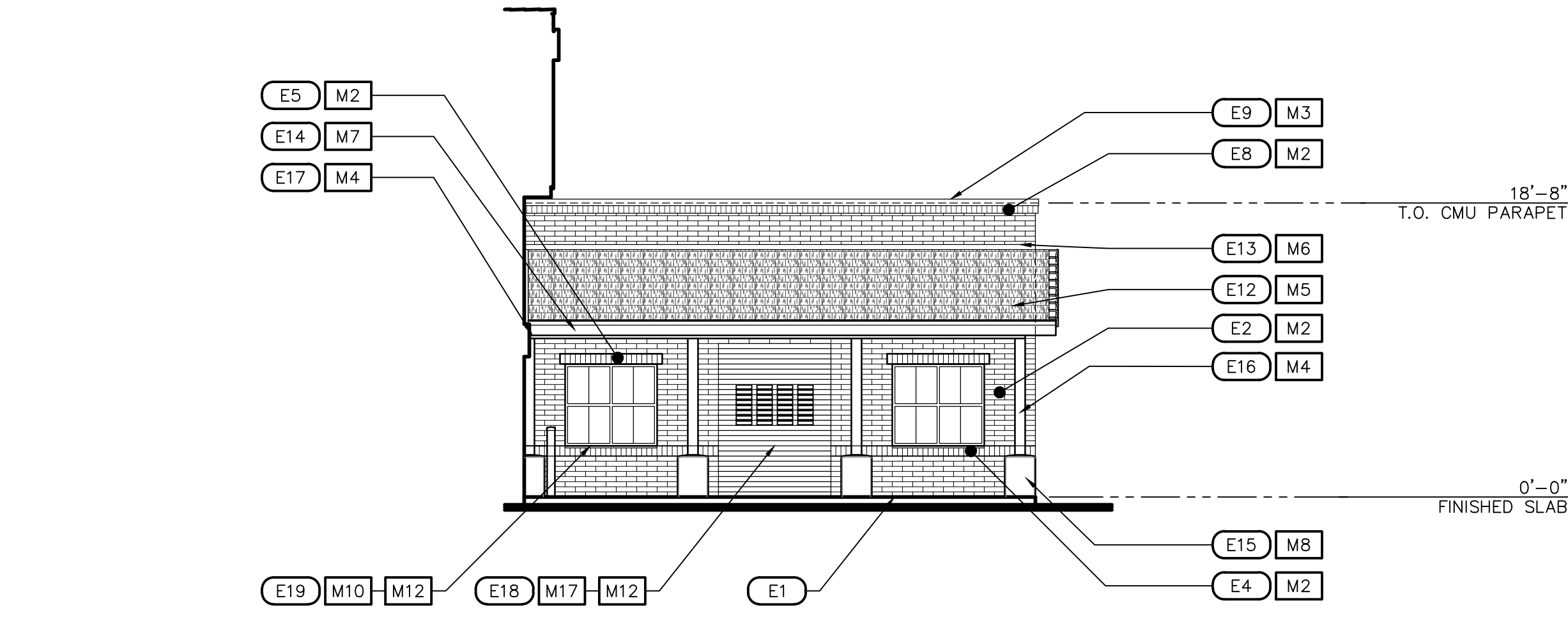
ELEV-EXT



6 EXTERIOR ELEVATION - SECURED PATIO

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

ELEV-EXT



7 EXTERIOR ELEVATION - FITNESS PATIO

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

ELEV-EXT

GENERAL NOTES

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3. ALL MASONRY AND GROUT TO BE MANUFACTURED WITH A DRY-LOCK BLEND.

KEYNOTES

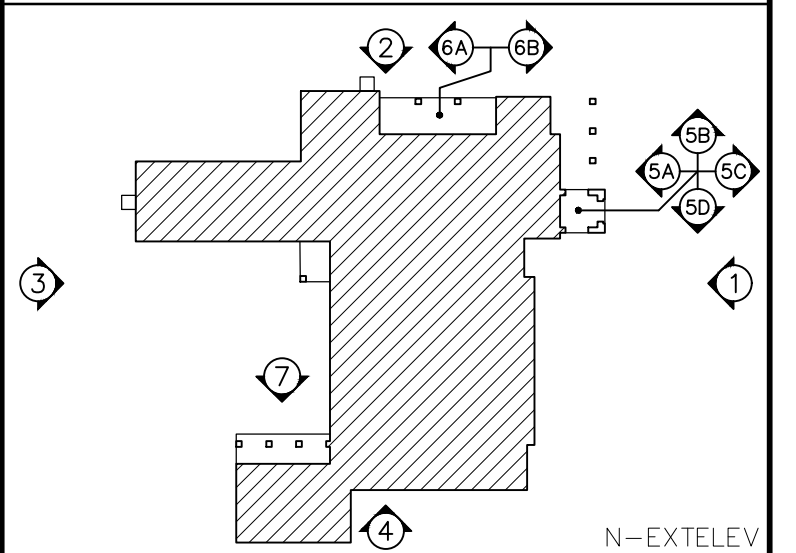
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E14 CONTINUOUS PRE-FINISHED ALUMINUM WRAPPED FASCIA SYSTEM, SEE DETAIL 9-10/A6.02
E15 CAST-IN PLACE CONCRETE BASE WITH 1" CAMFERED EXPOSED EDGES AND 1" SLOPED TOP
E16 STEEL TUBE COLUMN
E17 STEEL TUBE SUPPORT BEAM
E18 APPARATUS BAY DOOR AND SECTIONAL OVERHEAD DOOR WITH GLAZING AS SCHEDULED
E19 ALUMINUM STOREFRONT SYSTEM (DOOR/WINDOW) WITH GLAZING UNIT AS SCHEDULED
E20 HOLLOW METAL DOOR WITH HOLLOW METAL FRAME SYSTEM AS SCHEDULED
E21 PRIMARY ROOF DRAIN DOWNSPOUT CONNECT TO STORM DRAIN SYSTEM PER CIVIL DRAWINGS
E22 OVERFLOW ROOF DRAIN LEADER DOWNSPOUT NOZZLE, DAYLIGHT 12" A.F.F., SEE DETAIL 19/A6.02
E23 STEEL TUBE BOLLARD WITH CAP, SEE DETAIL 1/A10.01
E24 BUILDING SIGNAGE, ALUMINUM REVERSE PAN WITH 1" STAND-OFF
E25 LIGHT FIXTURE, SEE BACK DETAIL 1-3/A10.02 AS SCHEDULED PER ELECTRICAL DRAWINGS
E26 EXTERIOR POWER OUTLET PER ELECTRICAL DRAWINGS
E27 MECHANICAL UNIT BEYOND (SHOWN DASHED)
E28 MECHANICAL LOUVER, PAINT TO MATCH ADJACENT SURFACE, SEE MECH. PLANS
E29 8x4x16 CONCRETE MASONRY UNIT (CMU) EXPOSED SITE WALL CONSTRUCTION SHOWN DASHED
E30 FIRE RISER ROOM SIGN
E31 12" HIGH, 3" STROKE ADDRESS NUMBERS, BRUSHED ALUMINUM FINISH, ILLUMINATED
E32 KNOX BOX LOCATION

COLOR LEGEND

DESCRIPTION
M1 CONCRETE MASONRY UNIT (CMU), - MFR: SUPERLITE, MESASTONE OPAL, SHOT PEENED FINISH, AT ALL EXPOSED FACES, GROUT: COLOR MATCH
M2 CONCRETE MASONRY UNIT (CMU), - MFR: SUPERLITE, MESASTONE PEPPERCORN, SHOT PEENED, GROUT: COLOR MATCH
M3 PARAPET WALL COPING SYSTEM - MFR: ATAS, COLOR: PRE-FINISHED GREY TO MATCH DUNN EDWARDS BOAT ANCHOR DE6377
M4 EXPOSED STEEL CONSTRUCTION, PAINT - MFR: DUNN EDWARDS, BOAT ANCHOR DE6377
M5 INTERLOCKING CONCRETE ROOFING TILES - MFR: EAGLE ROOFING, PROFILE BEL AIR COLOR: 4697 SLATE RANGE
M6 CONTINUOUS ROOFING TILE FLASHING, GALVANIZED STEEL, COLOR: NATURAL
M7 ALUMINUM WRAPPED FASCIA SYSTEM - MFR: ATAS, COLOR: PRE-FINISHED GREY TO MATCH DUNN EDWARDS BOAT ANCHOR DE6377
M8 CAST-IN PLACE CONCRETE BASE - COLOR: RAW CONCRETE, FINISH: MEDIUM SANDBLAST
M9 APPARATUS BAY DOOR, DRYLAC POWDER COATING - MFR: TIGER, COLOR: RAL 3001
M10 ALUM. STOREFRONT DOOR/WINDOW SYSTEM - MFR: ARCADIA, COLOR: CLEAR ANODIZED
M11 HOLLOW METAL DOOR AND HOLLOW METAL FRAME, PAINT - MFR: DUNN EDWARDS BOAT ANCHOR DE6377
M12 GLAZING UNIT - SEE DOOR AND WINDOW SCHEDULES FOR TYPE AND TINT
M13 DOWNSPOUT NOZZLE
M14 STEEL TUBE BOLLARD WITH CAP, PAINT - MFR: DUNN EDWARDS, BOAT ANCHOR DE 6377
M15 BUILDING SIGNAGE, ALUMINUM - COLOR: MATCH WITH TIGER RAL3001
M16 MISCELLANEOUS BUILDING ELEMENT, PAINT - MFR: DUNN EDWARDS, BOAT ANCHOR DE6377
M17 CLEAR ANODIZED OVERHEAD DOOR

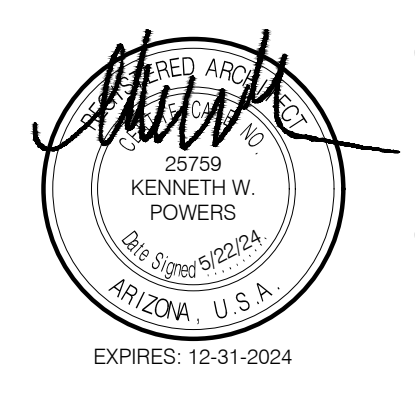
NOTE: ALL LIGHT FIXTURES TO BE CLEAR ANODIZED

KEY PLAN



N-EXTELEV

Revisions	Date
1	5/22/24
CITY COMMENTS	



Designed By:
ET / GA

Drawn By:
TA / RS

Checked By:
GA / TA

Date:
12/14/2023

Phase:
PERMIT

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1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
Index No:
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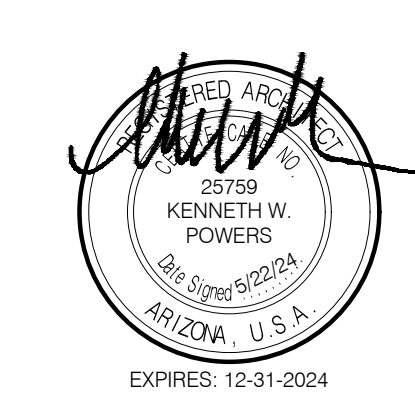


KIVA # **23-1810**
SDEV # **2300473**

EXTERIOR ELEVATIONS
A7.02

CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

Revisions	Date
△ CITY COMMENTS	5/22/24



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CITY OF PHOENIX
OFFICE OF THE CITY ENGINEER
FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

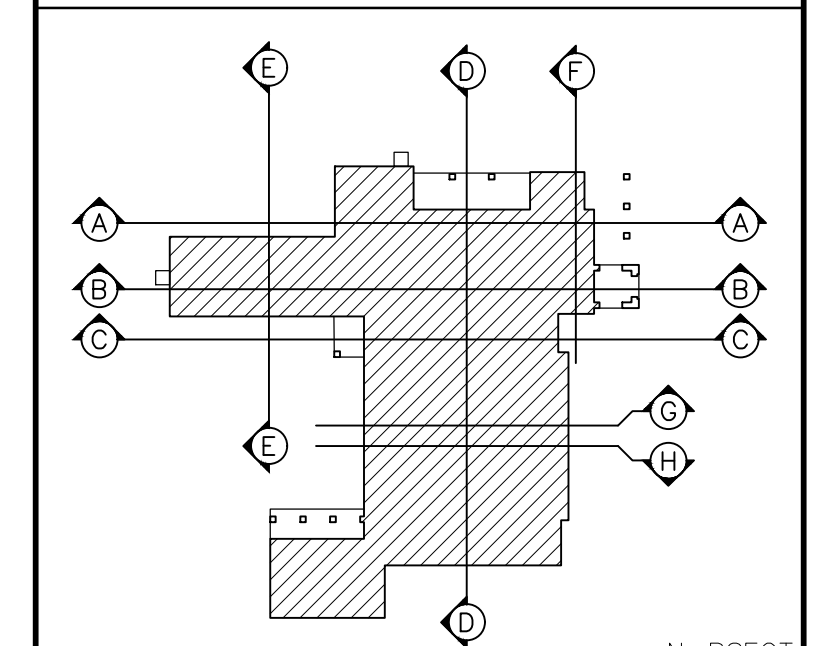
KIVA # **23-1810**
SDEV # **2300473**

BUILDING SECTIONS
A8.01

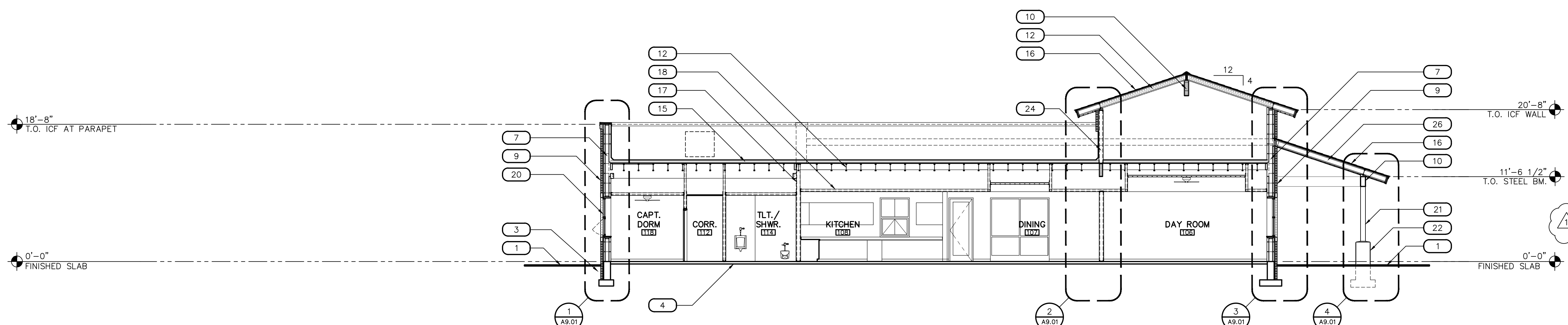
KEYNOTES

- | DESCRIPTION |
|---|
| 1 FINISHED GRADE, SEE CIVIL DRAWINGS |
| 2 CONCRETE STOOP SLOPED 1.5% AWAY FROM BUILDING WITH TURN-DOWN EDGE FOOTING, NATURAL GRAY CONCRETE WITH MEDIUM BROOM FINISH, UNLESS NOTED OTHERWISE, SEE PLANS FOR JOINTING |
| 3 CONCRETE FOOTING, SEE STRUCTURAL DRAWINGS |
| 4 CONCRETE FLOOR SLAB, SEE STRUCTURAL DRAWINGS |
| 5 SLOPED CONCRETE FLOOR SLAB PER FLOOR PLAN TOWARDS AREA FLOOR DRAINS, SEE PLUMBING DRAWINGS |
| 6 CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION, SEE PLANS FOR TYPE AND STRUCTURAL DRAWINGS FOR REINFORCEMENT |
| 7 INSULATED CONCRETE FORMS (ICF) WALL CONSTRUCTION, SEE PLANS FOR TYPE AND STRUCTURAL DRAWINGS FOR REINFORCEMENT |
| 8 DBL. WYTHE CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION, SEE PLANS FOR TYPE AND STRUCTURAL DRAWINGS FOR REINFORCEMENT |
| 9 CONCRETE MASONRY UNIT (CMU) WALL VENEER, PROVIDE MASONRY TIE BACKS TO WALL CONSTRUCTION, SEE PLANS FOR TYPE AND STRUCTURAL DRAWINGS DETAIL 29/S2.02 |
| 10 STEEL BEAM CONSTRUCTED ROOF TRUSS, SEE STRUCTURAL DRAWINGS |
| 11 WOOD I-JOIST ROOF FRAMING, SEE STRUCTURAL DRAWINGS |
| 12 3" STEEL ROOF DECK, SEE STRUCTURAL DRAWINGS |
| 13 DENDECK PRIME COVER BOARD FOR FULLY ADHERED, PARTIALLY ADHERED OR MECHANICALLY ADHERED ASSEMBLIES OVER 2 LAYERS (1 1/2") RIGID POLYISO INSULATION BOARD |
| 14 2" SPRAY POLYURETHANE FOAM (SPF) SYSTEM WITH ELASTOMERIC COATING SURFACE WITH GRANULAR COVER ROOFING, SEE ROOF PLAN |
| 15 INTERLOCKING CONCRETE ROOFING TILE OVER UNDERLAYMENT, SEE ROOF PLAN |
| 16 INTERIOR (NON-BEARING) STEEL STUD PARTITION CONSTRUCTION PER WALL TYPES CEILING AS SCHEDULED, SEE REFLECTED CEILING PLAN |
| 17 DOOR AND FRAME SYSTEM AS SCHEDULED WINDOW FRAMING AND GLAZING SYSTEM AS SCHEDULED |
| 18 STEEL TUBE COLUMN, SEE STRUCTURAL DRAWINGS |
| 19 CAST-IN PLACE CONCRETE BASE, SEE STRUCTURAL DRAWINGS |
| 20 ROOF ACCESS HATCH, SEE ROOF PLAN |
| 21 EXTERIOR 6"x16 GA. STEEL STUD WALL CONSTRUCTION FRAMING AT 16" O.C. MAX. CONCRETE DRIVEWAY SLOPE AWAY FROM BUILDING, SEE CIVIL DRAWINGS, SEE PLANS FOR JOINTING |
| 22 WOOD I-JOIST ROOF FRAMING, SEE STRUCTURAL DRAWINGS |
| 23 EXPOSED SHEET METAL HVAC DUCTWORK, SUPPORT FROM STRUTS AT ROOF DECK, SEE STRUCTURAL AND MECHANICAL DRAWINGS |
| 24 CMU OPENING FOR HVAC DUCTWORK, VERIFY LOCATION, SEE MECHANICAL DRAWINGS |
| 25 NO NOTE |
| 26 PENDANT LIGHT FIXTURE, SUPPORT FROM STRUTS AT ROOF DECK, SEE STRUCTURAL AND ELECTRICAL DRAWINGS, BOTTOM OF FIXTURE AT 19'-0" A.F.F. |
| 27 ROOF MOUNTED MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS |
| 28 CMU OPENING FOR MECHANICAL GRILLE, SEE MECHANICAL DRAWINGS |
| 29 CMU RECESSED OPENING FOR DOOR CONTROLLER PANEL SEE DETAIL 7/A10.01 AND ELECTRICAL DRAWINGS |
| 30 MECHANICAL GRILLE, SEE MECHANICAL DRAWINGS |
| 31 PROVIDE OPENING(S) IN THE ICF WALL CONSTRUCTION FOR ELECTRICAL CONDUIT NEEDS, SEE ELECTRICAL DRAWINGS |
| 32 EXTERIOR STEEL TUBE BOLLARD, SEE DETAIL 1/A10.01 |
| 33 INTERIOR STEEL TUBE BOLLARD, SEE DETAIL 6/A10.01 |

KEY PLAN

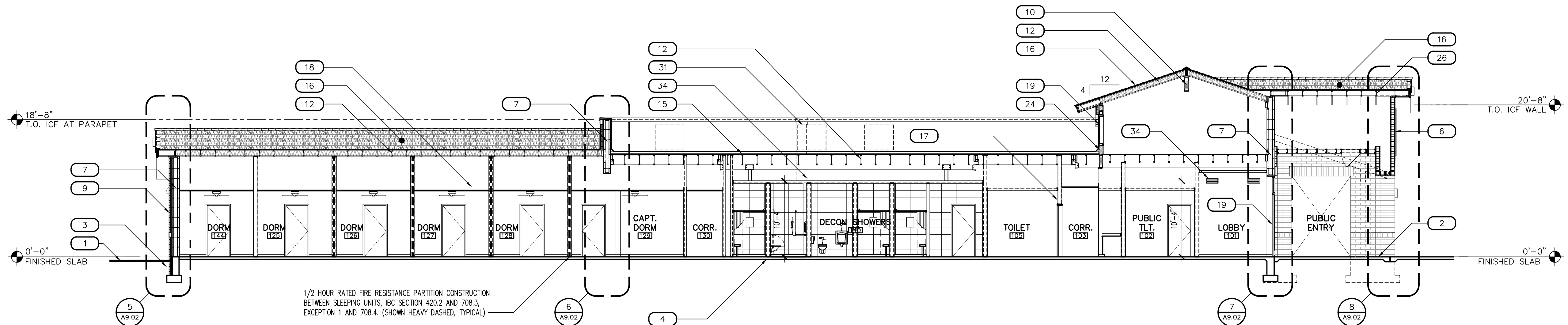


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A BUILDING SECTION
SCALE: 1/8" = 1'-0"

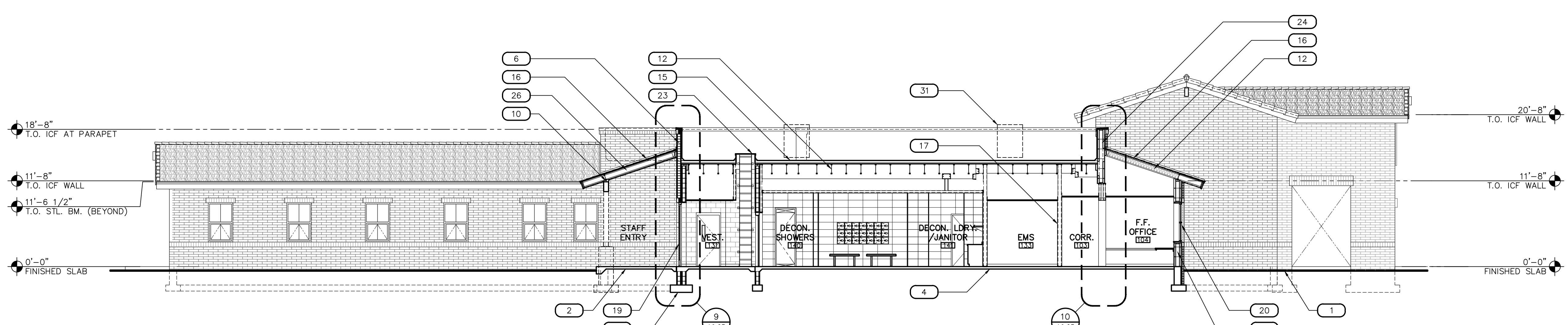
ELEV-EXT



B BUILDING SECTION
SCALE: 1/8" = 1'-0"

ELEV-EXT

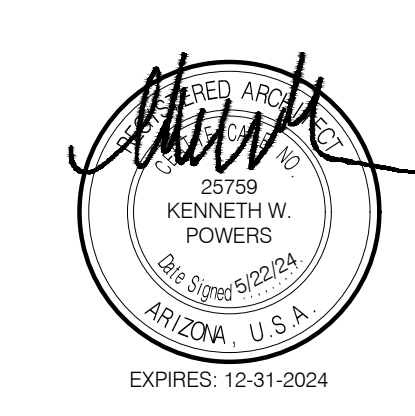
1/2 HOUR RATED FIRE RESISTANCE PARTITION CONSTRUCTION BETWEEN SLEEPING UNITS, IBC SECTION 420.2 AND 708.3, EXCEPTION 1 AND 708.4, (SHOWN HEAVY DASHED, TYPICAL)



C BUILDING SECTION
SCALE: 1/8" = 1'-0"

ELEV-EXT

Revisions	Date
1	5/22/24
CITY COMMENTS	



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BUILDING SECTIONS

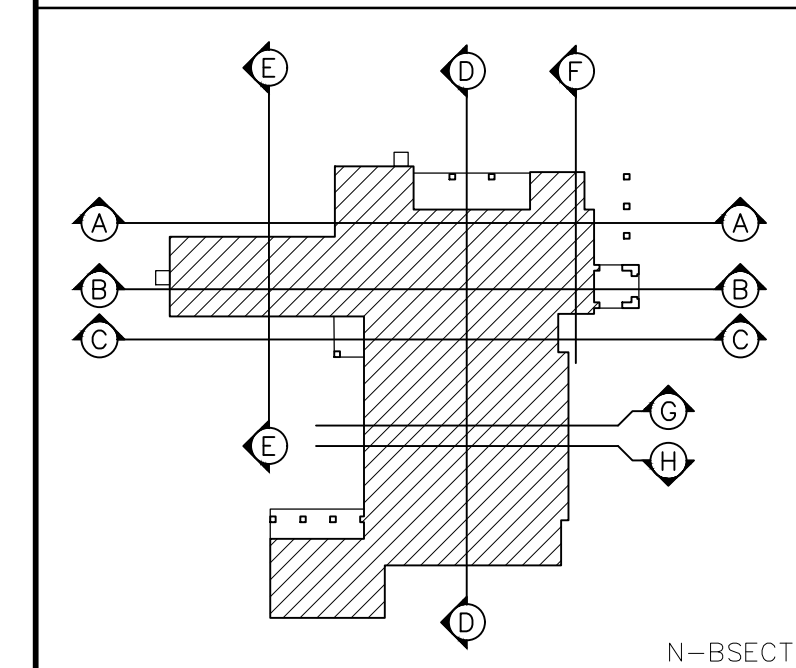
A8.02

CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

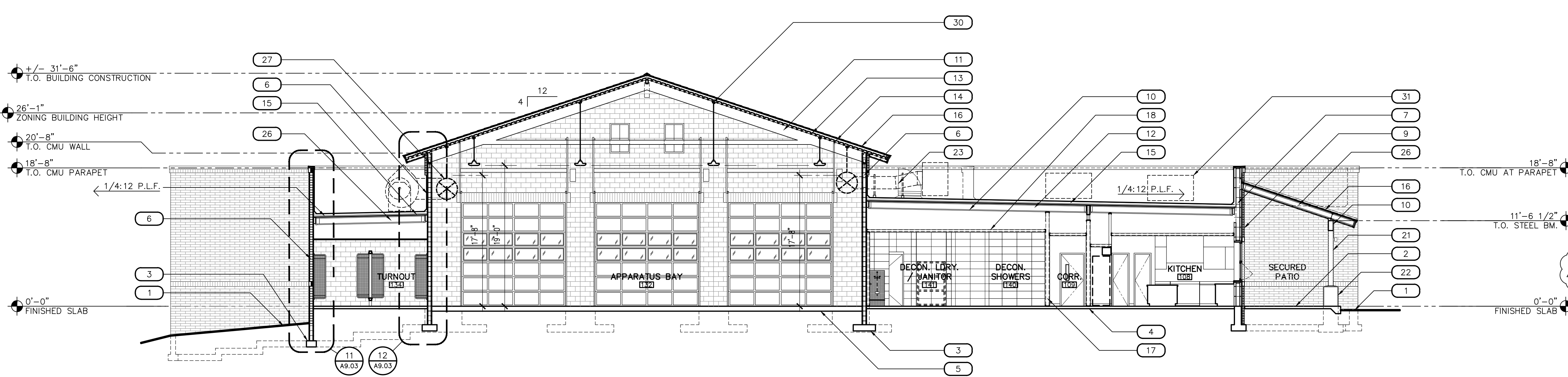
KEYNOTES

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|---|
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| 3 CONCRETE FOOTING, SEE STRUCTURAL DRAWINGS |
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| 5 SLOPED CONCRETE FLOOR SLAB PER FLOOR PLAN TOWARDS AREA FLOOR DRAINS, SEE PLUMBING DRAWINGS |
| 6 CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION, SEE PLANS FOR TYPE AND STRUCTURAL DRAWINGS FOR REINFORCEMENT |
| 7 INSULATED CONCRETE FORMS (ICF) WALL CONSTRUCTION, SEE PLANS FOR TYPE AND STRUCTURAL DRAWINGS FOR REINFORCEMENT |
| 8 DBL WYTHE CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION, SEE PLANS FOR TYPE AND STRUCTURAL DRAWINGS FOR REINFORCEMENT |
| 9 CONCRETE MASONRY UNIT (CMU) WALL VENEER, PROVIDE MASONRY TIE BACKS TO WALL CONSTRUCTION, SEE PLANS FOR TYPE AND STRUCTURAL DRAWINGS DETAIL 29/S2.02 |
| 10 BEAM, SEE STRUCTURAL DRAWINGS |
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| 34 PROVIDE OPENING(S) IN THE ICF WALL CONSTRUCTION FOR ELECTRICAL CONDUIT NEEDS, SEE ELECTRICAL DRAWINGS |
| 35 EXTERIOR STEEL TUBE BOLLARD, SEE DETAIL 1/A10.01 |
| 36 INTERIOR STEEL TUBE BOLLARD, SEE DETAIL 6/A10.01 |
| 37 |

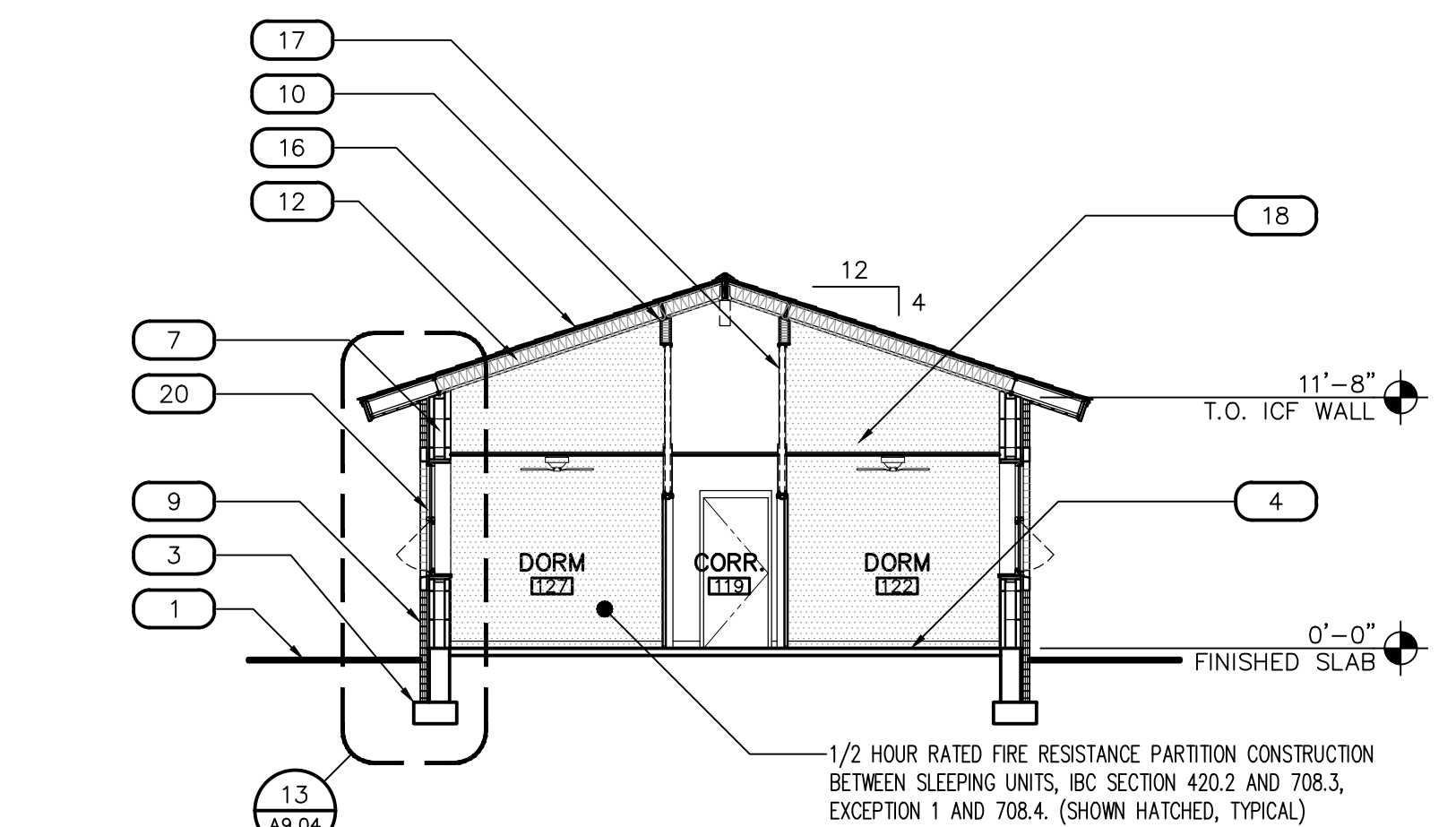
KEY PLAN



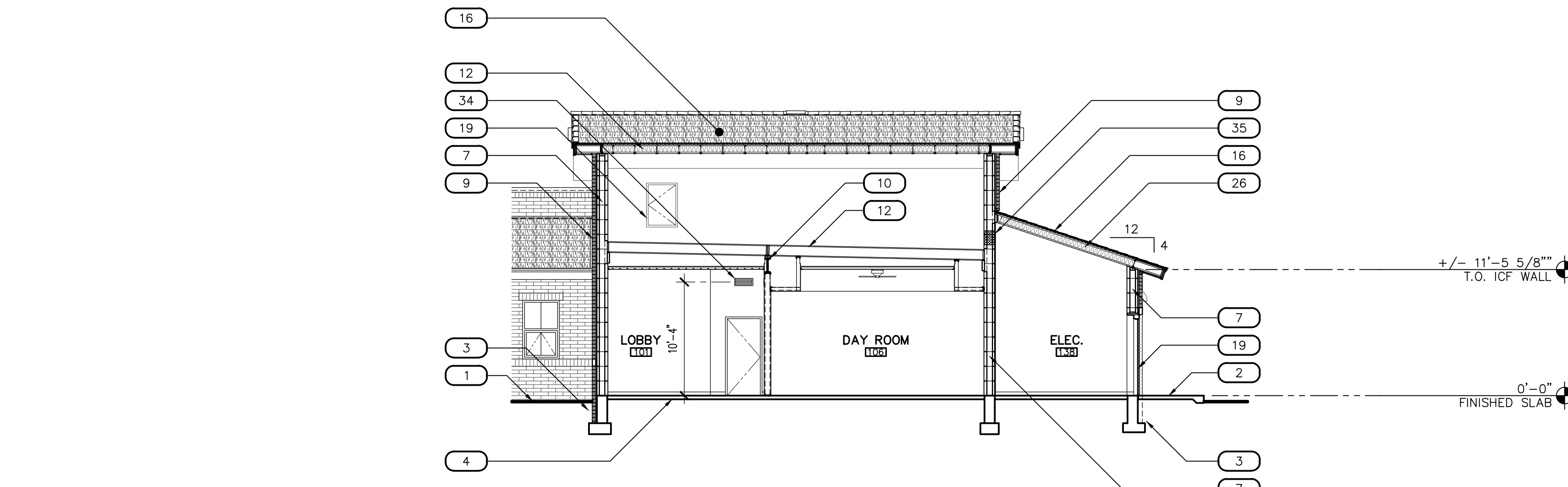
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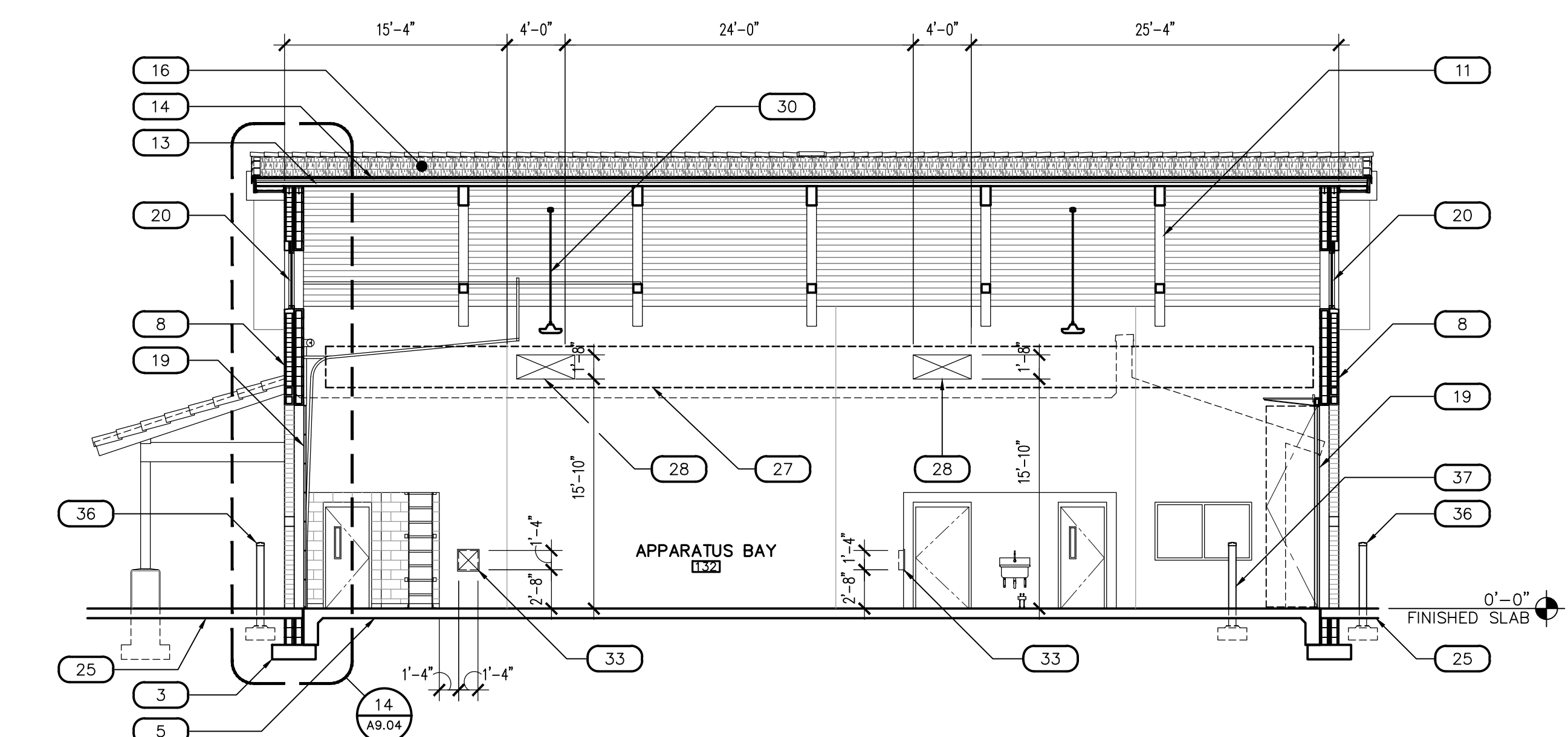
D BUILDING SECTION
SCALE: 1/8" = 1'-0"



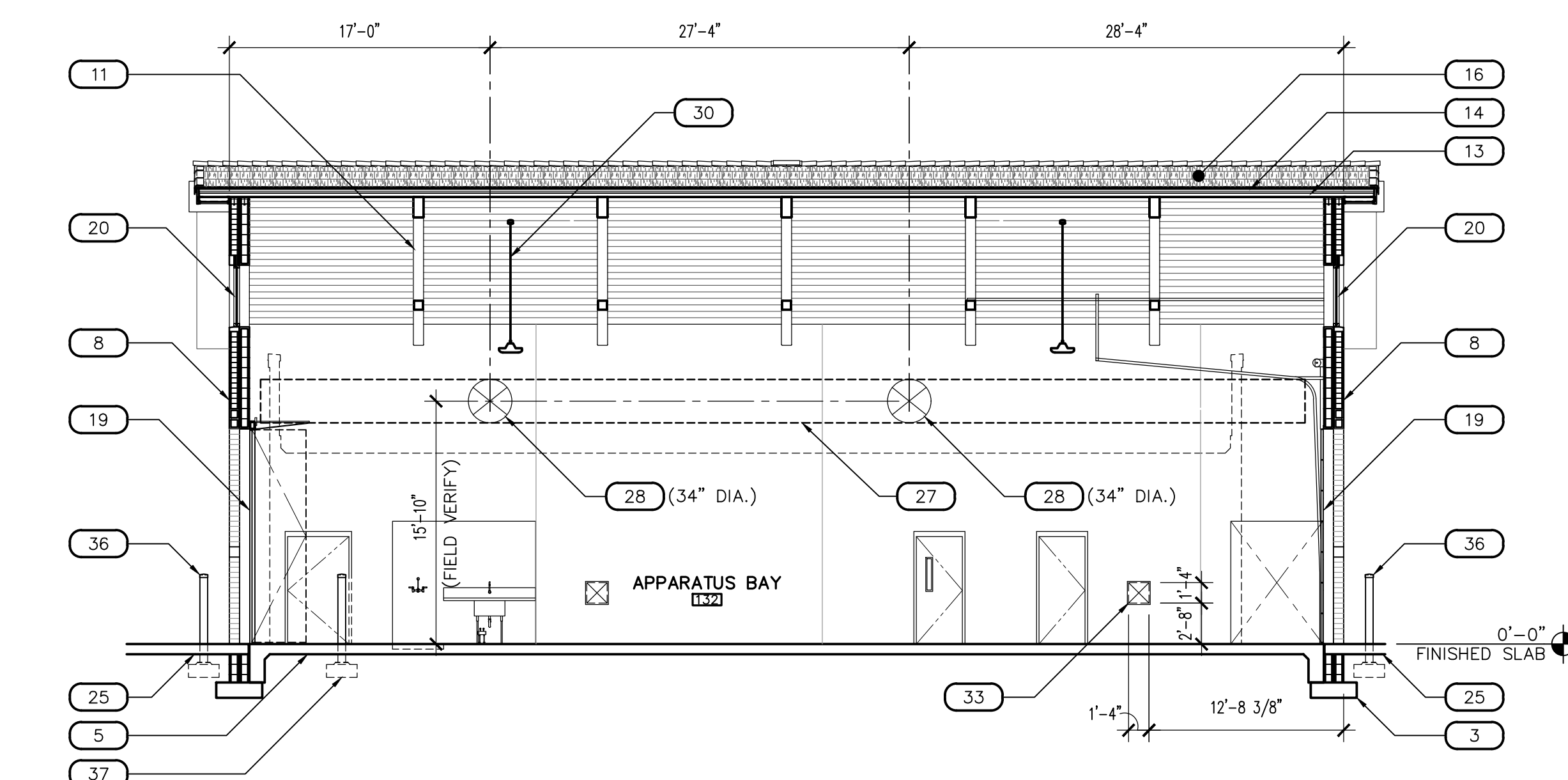
E BUILDING SECTION
SCALE: 1/8" = 1'-0"



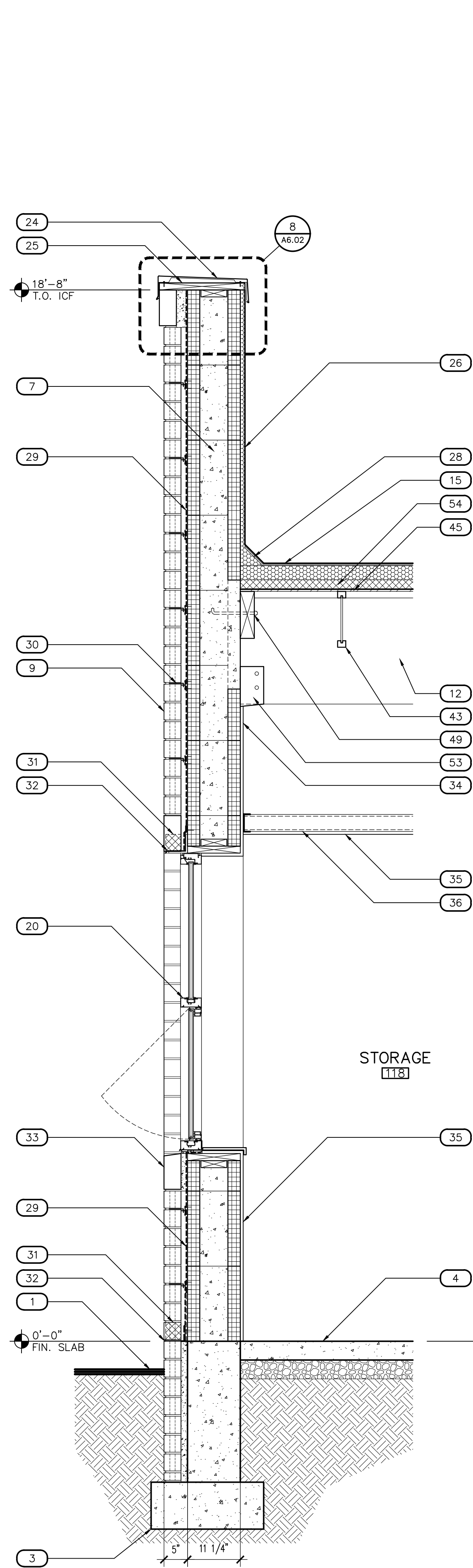
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SCALE: 1/8" = 1'-0"



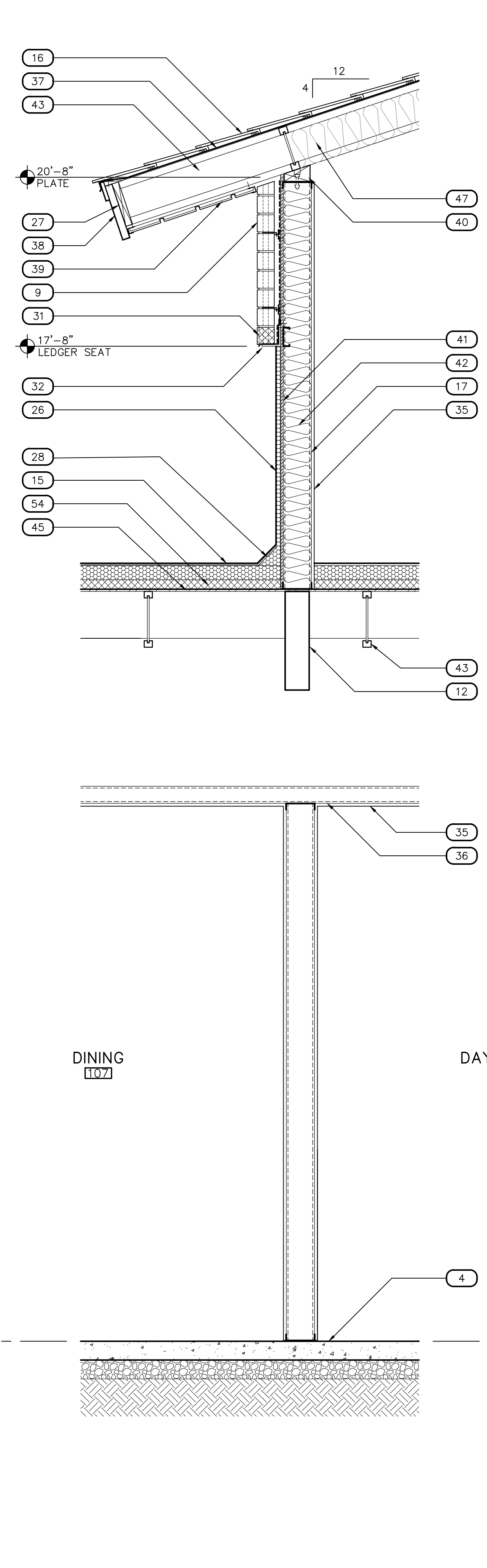
G BUILDING SECTION
SCALE: 1/8" = 1'-0"



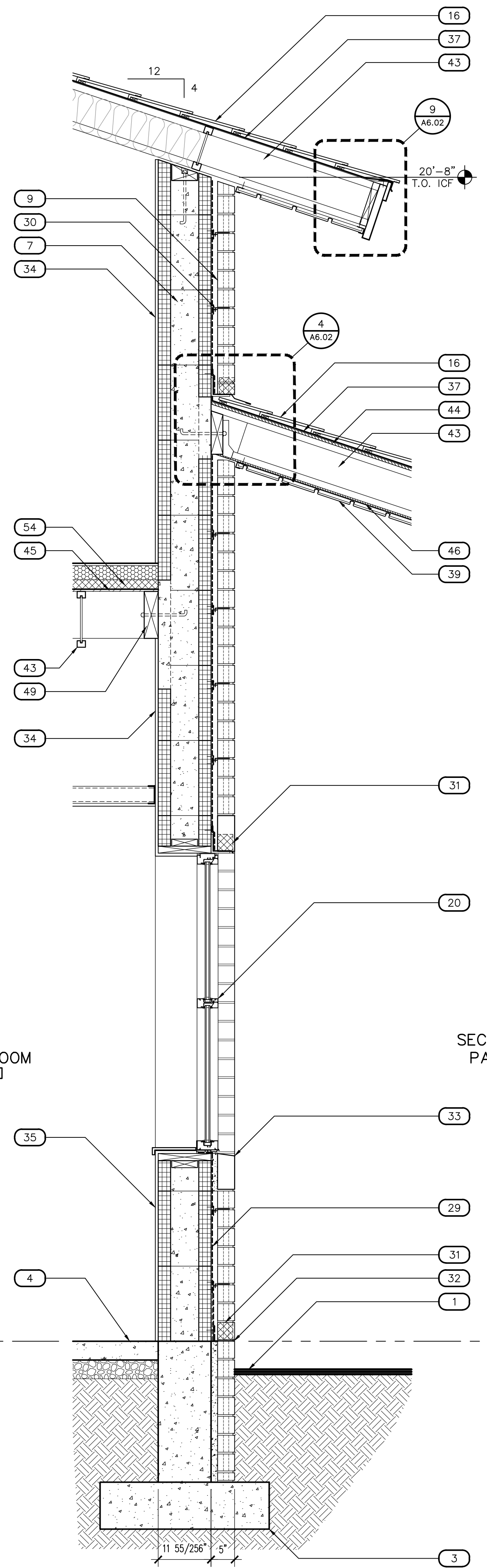
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SCALE: 1/8" = 1'-0"



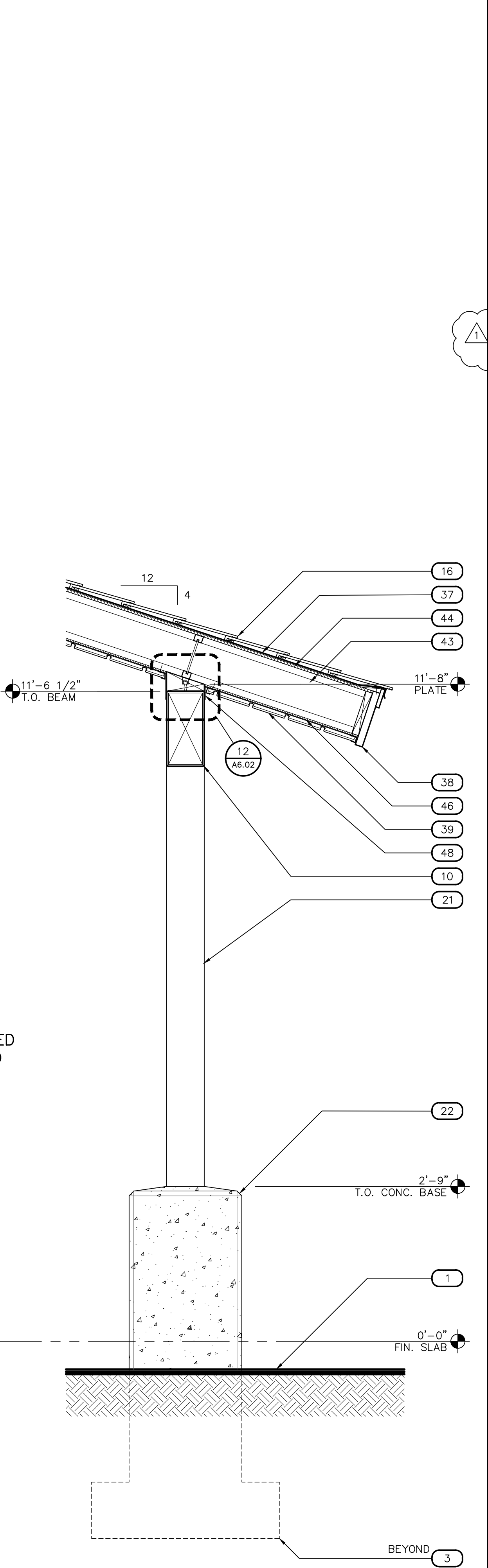
1 WALL SECTION
SCALE: 3/4" = 1'-0" WSECT-ANNO



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



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



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

KEYNOTES	
DESCRIPTION	
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2	CONCRETE STOOP SLOPED 1.5% AWAY FROM BUILDING WITH TURN-DOWN EDGE FOOTING, NATURAL GRAY CONCRETE WITH MEDIUM BROOM FINISH, UNLESS NOTED OTHERWISE, SEE PLANS FOR JOINTING
3	CONCRETE FOOTING, SEE STRUCTURAL DRAWINGS
4	CONCRETE FLOOR SLAB, SEE STRUCTURAL DRAWINGS
5	SLOPED CONCRETE FLOOR SLAB PER FLOOR PLAN TOWARDS AREA FLOOR DRAINS, SEE PLUMBING DRAWINGS
6	CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION, SEE PLANS FOR TYPE AND STRUCTURAL DRAWINGS FOR REINFORCEMENT
7	INSULATED CONCRETE FORMS (ICF) WALL CONSTRUCTION, SEE PLANS FOR TYPE AND STRUCTURAL DRAWINGS FOR REINFORCEMENT
8	DOUBLE WYTHE CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION, SEE PLANS FOR TYPE AND STRUCTURAL DRAWINGS FOR REINFORCEMENT
9	CONCRETE MASONRY UNIT (CMU) WALL VENEER, PROVIDE MASONRY TIES BACK TO WALL CONSTRUCTION, SEE PLANS FOR TYPE AND STRUCTURAL DRAWINGS DETAIL 29/S2.02
10	BEAM, SEE STRUCTURAL DRAWINGS
11	STEEL BEAM CONSTRUCTED ROOF TRUSS, SEE STRUCTURAL DRAWINGS
12	WOOD I-JOIST ROOF FRAMING, SEE STRUCTURAL DRAWINGS
13	3" STEEL ROOF DECK, SEE STRUCTURAL DRAWINGS
14	DENSEDECK PRIME COVER BOARD FOR FULLY ADHERED, PARTIALLY ADHERED OR MECHANICALLY ADHERED ASSEMBLIES OVER 2 LAYERS (1 1/2") RIGID POLYISO INSULATION BOARD
15	SPRAY POLYURETHANE FOAM (SPF) SYSTEM WITH ELASTOMERIC COATING SURFACE WITH GRANULAR COVER ROOFING, SEE ROOF PLAN
16	INTERLOCKING CONCRETE ROOFING TILE, SEE ROOF PLAN
17	EXTERIOR 6"x16 GA. STEEL STUD WALL CONSTRUCTION FRAMING AT 16" O.C. MAX. CEILING AS SCHEDULED, SEE REFLECTED CEILING PLAN
18	DOOR AND FRAME SYSTEM AS SCHEDULED WINDOW FRAMING AND GLAZING SYSTEM AS SCHEDULED
19	STEEL TUBE COLUMN, SEE STRUCTURAL DRAWINGS
20	CAST-IN PLACE CONCRETE BASE, SEE STRUCTURAL DRAWINGS
21	SIMPSON HCA CONNECTOR, SEE STRUCTURAL DRAWINGS
22	24 GA. CONTINUOUS CLEAT PARAPET WALL COPING SYSTEM
23	2x CONTINUOUS PLATE
24	SPRAY POLYURETHANE FOAM (SPF) SYSTEM WITH ELASTOMERIC COATING SURFACE, SEE ROOF PLAN
25	2x CONTINUOUS PLATE
26	CONT. FORMED GANT, SEE DETAIL 5/A6.02
27	WATERPROOF UNDERLAYMENT
28	MASONRY TIE BACKS, SEE STRUCTURAL DRAWINGS
29	PROVIDE WEEP SCREENS AT VERTICAL JOINTS AT 32" O.C.
30	METAL LEDGER, SEE STRUCTURAL DRAWINGS. CONCRETE MASONRY UNIT (CMU) EXPOSED HORIZONTAL BAND AND PROVIDE SOLID (CMU) EXPOSED SILLS AT WINDOW LOCATIONS ONLY, SOLDIER COURSE
31	5/8" GYPSUM BOARD OVER ALL EXPOSED ICF WALLS IN CONCEALED SPACES
32	5/8" GYPSUM BOARD
33	CEILING JOIST, SEE STRUCTURAL DRAWINGS FOR SIZE AND SPACING
34	1 LAYER MINIMUM TYPE 2 UNDERLAYMENT ON SUBSTRATE
35	CONTINUOUS METAL WRAPPED FASCIA SYSTEM, SEE DETAIL 1/A6.02
36	LINEAR METAL CEILING SYSTEM AS SCHEDULED
37	WOOD BEARING PLATE, SEE STRUCTURAL DRAWINGS
38	EXTERIOR GRADE SHEATHING PER STRUCTURAL DRAWINGS
39	R-19 BATT INSULATION
40	WOOD I-JOIST ROOF FRAMING, SEE STRUCTURAL DRAWINGS
41	PLYWOOD ROOF SHEATHING PER STRUCTURAL DRAWINGS
42	1/2" EXTERIOR GRADE PLYWOOD SUBSTRATE
43	3/8" EXTERIOR GRADE PLYWOOD SUBSTRATE
44	R-38 BATT INSULATION
45	ALUM. CLOSURE FLASHING, COLOR TO MATCH METAL FASCIA MATERIAL
46	WOOD LEDGER, SEE STRUCTURAL DRAWINGS
47	STEEL TUBE BOLLARD WITH CAP, SEE DETAIL 1/A10.01
48	8"x4"x1/4" EXPOSED STEEL BENT PLATE AROUND DOOR OPENING (3 SIDES), FULL HEIGHT AND WIDTH OF DOOR OPENING, SEE STRUCTURAL DRAWINGS FOR ATTACHMENT
49	CONCRETE DRIVE SLOPED 1.5% AWAY FROM BUILDING WITH TURN-DOWN EDGE FOOTING, NATURAL GRAY CONCRETE, SEE PLANS FOR JOINTING AND STRUCTURAL PLANS FOR REINFORCEMENT
50	1/4" BENT "U" PLATE, SEE STRUCTURAL DRAWINGS
51	1 LAYER 2" RIGID POLYISO INSULATION BOARD NON-EXPOSED FASTENERS UTILIZING "INSTA-STICK" OR EQUAL AT EXPOSED DECK AREAS (APPARATUS BAYS)
52	
53	
54	
55	

Revisions	Date
CITY COMMENTS	5/22/24



Designed By:	ET / GA
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Checked By:	GA / TA
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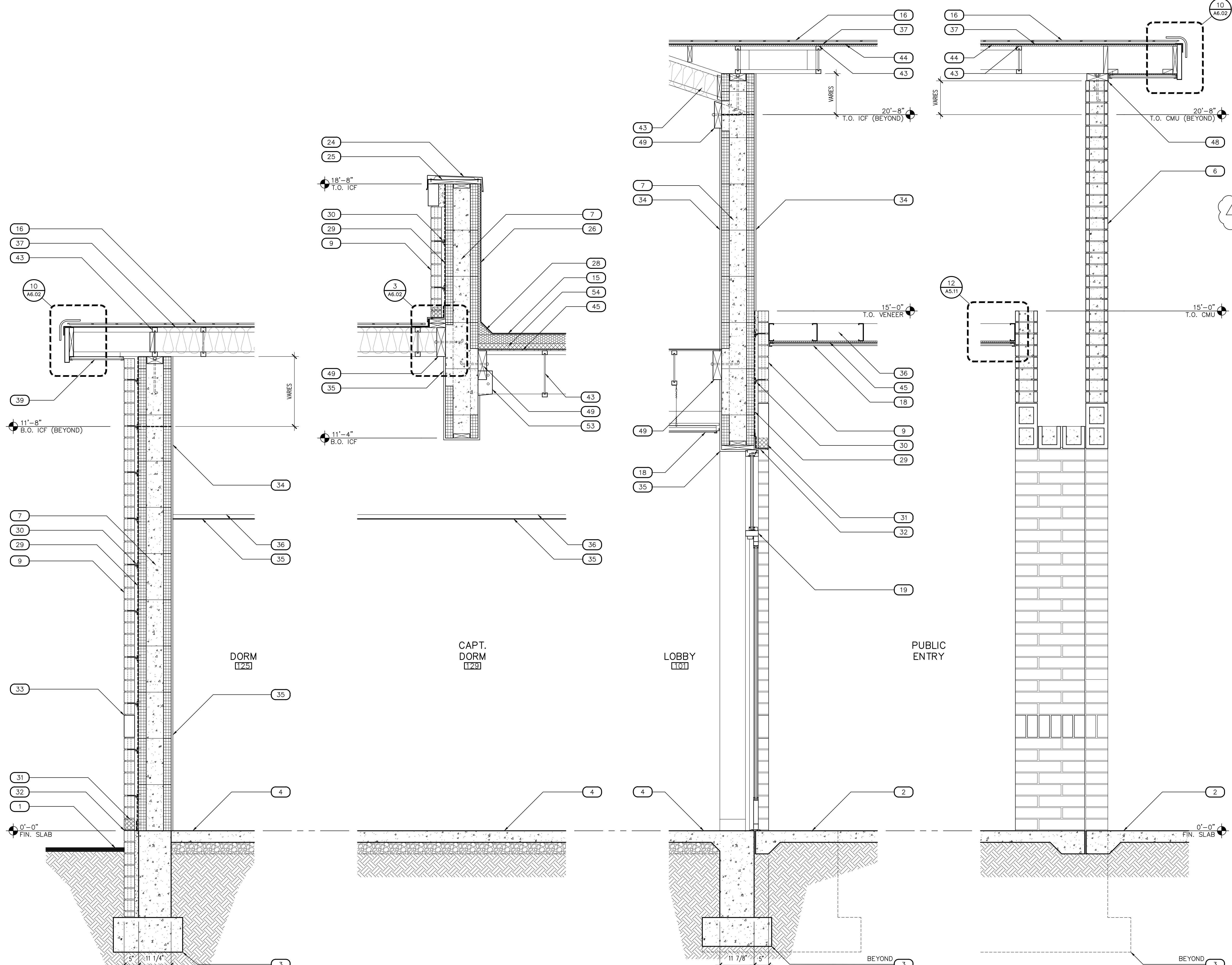
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OFFICE OF THE CITY ENGINEER

KIVA # 23-1810
SDEV # 2300473

WALL SECTIONS
A9.01

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SCALE: 3/4" = 1'-0" WSECT-ANNO

7 WALL SECTION
SCALE: 3/4" = 1'-0" WSECT-ANNO

8 WALL SECTION
SCALE: 3/4" = 1'-0" WSECT-ANNO

KEYNOTES	
DESCRIPTION	
1	FINISHED GRADE, SEE CIVIL DRAWINGS
2	CONCRETE STOOP SLOPED 1.5% AWAY FROM BUILDING WITH TURN-DOWN EDGE FOOTING, NATURAL GRAY CONCRETE WITH MEDIUM BROOM FINISH, UNLESS NOTED OTHERWISE, SEE PLANS FOR JOINTING
3	CONCRETE FOOTING, SEE STRUCTURAL DRAWINGS
4	CONCRETE FLOOR SLAB, SEE STRUCTURAL DRAWINGS
5	SLOPED CONCRETE FLOOR SLAB PER FLOOR PLAN TOWARDS AREA FLOOR DRAINS, SEE PLUMBING DRAWINGS
6	CONCRETE MASONRY UNIT (CMU) WALL CONSTRUCTION, SEE PLANS FOR TYPE AND STRUCTURAL DRAWINGS FOR REINFORCEMENT
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9	CONCRETE MASONRY UNIT (CMU) WALL VENEER, PROVIDE MASONRY TIES BACK TO WALL CONSTRUCTION, SEE PLANS FOR TYPE AND STRUCTURAL DRAWINGS DETAIL 29/S2.02
10	BEAM, SEE STRUCTURAL DRAWINGS
11	STEEL BEAM CONSTRUCTED ROOF TRUSS, SEE STRUCTURAL DRAWINGS
12	WOOD I-JOIST ROOF FRAMING, SEE STRUCTURAL DRAWINGS
13	3" STEEL ROOF DECK, SEE STRUCTURAL DRAWINGS
14	DENSEDECK PRIME COVER BOARD FOR FULLY ADHERED, PARTIALLY ADHERED OR MECHANICALLY ADHERED ASSEMBLIES OVER 2 LAYERS (1 1/2") RIGID POLYISO INSULATION BOARD
15	SPRAY POLYURETHANE FOAM (SPF) SYSTEM WITH ELASTOMERIC COATING SURFACE WITH GRANULATED COVER ROOFING, SEE ROOF PLAN
16	INTERLOCKING CONCRETE ROOFING TILE, SEE ROOF PLAN
17	EXTERIOR 6"x16 GA. STEEL STUD WALL CONSTRUCTION FRAMING AT 16" O.C. MAX. CEILING AS SCHEDULED, SEE REFLECTED CEILING PLAN
18	DOOR AND FRAME SYSTEM AS SCHEDULED WINDOW FRAMING AND GLAZING SYSTEM AS SCHEDULED
19	STEEL TUBE COLUMN, SEE STRUCTURAL DRAWINGS
20	CAST-IN PLACE CONCRETE BASE, SEE STRUCTURAL DRAWINGS
21	SIMPSON HCA CONNECTOR, SEE STRUCTURAL DRAWINGS
22	24 GA. CONTINUOUS CLEAT PARAPET WALL COPING SYSTEM
23	2x CONTINUOUS PLATE
24	SPRAY POLYURETHANE FOAM (SPF) SYSTEM WITH ELASTOMERIC COATING SURFACE, SEE ROOF PLAN
25	2x CONTINUOUS PLATE
26	CONT. FORMED GANT, SEE DETAIL 5/A6.02
27	WATERPROOF UNDERLAYMENT
28	MASONRY TIE BACKS, SEE STRUCTURAL DRAWINGS
29	PROVIDE WEEP SCREENS AT VERTICAL JOINTS AT 32" O.C.
30	METAL LEDGER, SEE STRUCTURAL DRAWINGS. CONCRETE MASONRY UNIT (CMU) EXPOSED HORIZONTAL BAND AND PROVIDE SOLID (CMU) EXPOSED SILLS AT WINDOW LOCATIONS ONLY, SOLDIER COURSE
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32	5/8" GYPSUM BOARD
33	CEILING JOIST, SEE STRUCTURAL DRAWINGS FOR SIZE AND SPACING
34	1 LAYER MINIMUM TYPE 2 UNDERLAYMENT ON SUBSTRATE
35	CONTINUOUS METAL WRAPPED FASCIA SYSTEM, SEE DETAIL 1/A6.02
36	LINEAR METAL CEILING SYSTEM AS SCHEDULED
37	WOOD BEARING PLATE, SEE STRUCTURAL DRAWINGS
38	PLYWOOD ROOF SHEATHING PER STRUCTURAL DRAWINGS
39	1/2" EXTERIOR GRADE PLYWOOD SUBSTRATE
40	3/8" EXTERIOR GRADE PLYWOOD SUBSTRATE
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42	ALUM. CLOSURE FLASHING, COLOR TO MATCH METAL FASCIA MATERIAL
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49	
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Revisions	Date
1	5/22/24
CITY COMMENTS	



Designed By:
ET / GA

Drawn By:
TA / RS

Checked By:
GA / TA

Date:
12/14/2023

Phase:
PERMIT

Perlman
Architects of Arizona
2929 North Central Avenue, Suite # 1600
Phoenix, Arizona 85012
480.951.5900 480.951.3045
perlman.com

Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**
Index No:
FD57100020-3

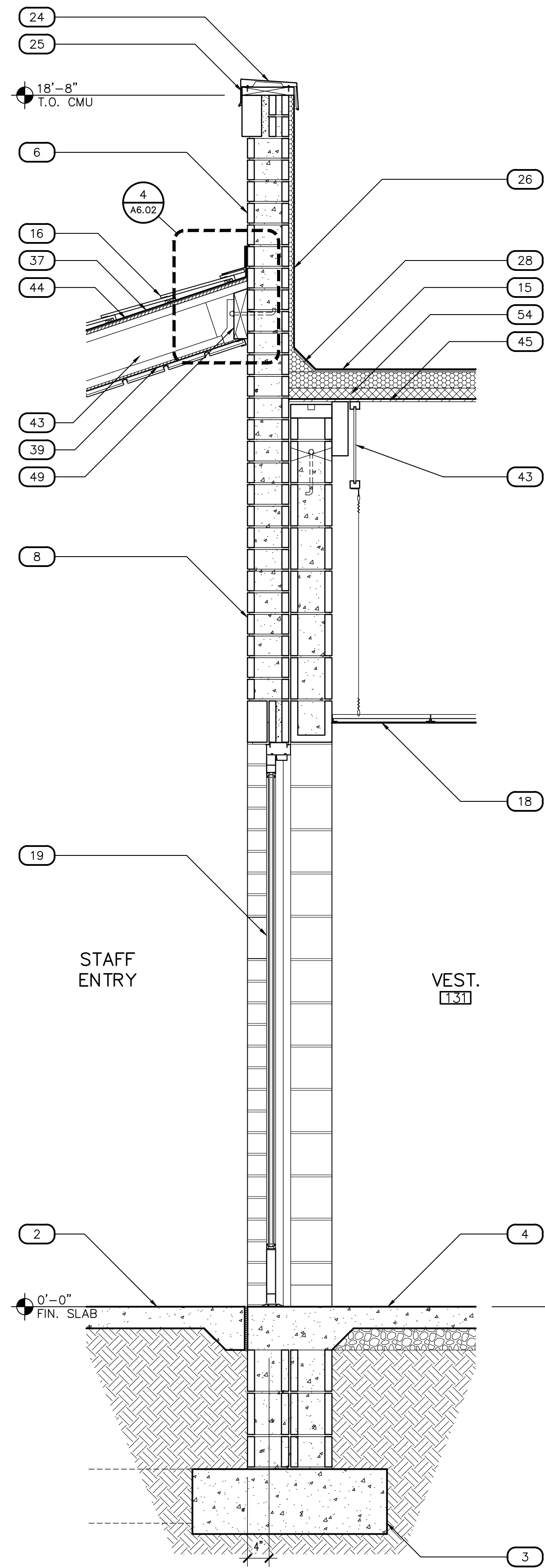
CITY OF PHOENIX

KIVA # **23-1810**
SDEV # **2300473**

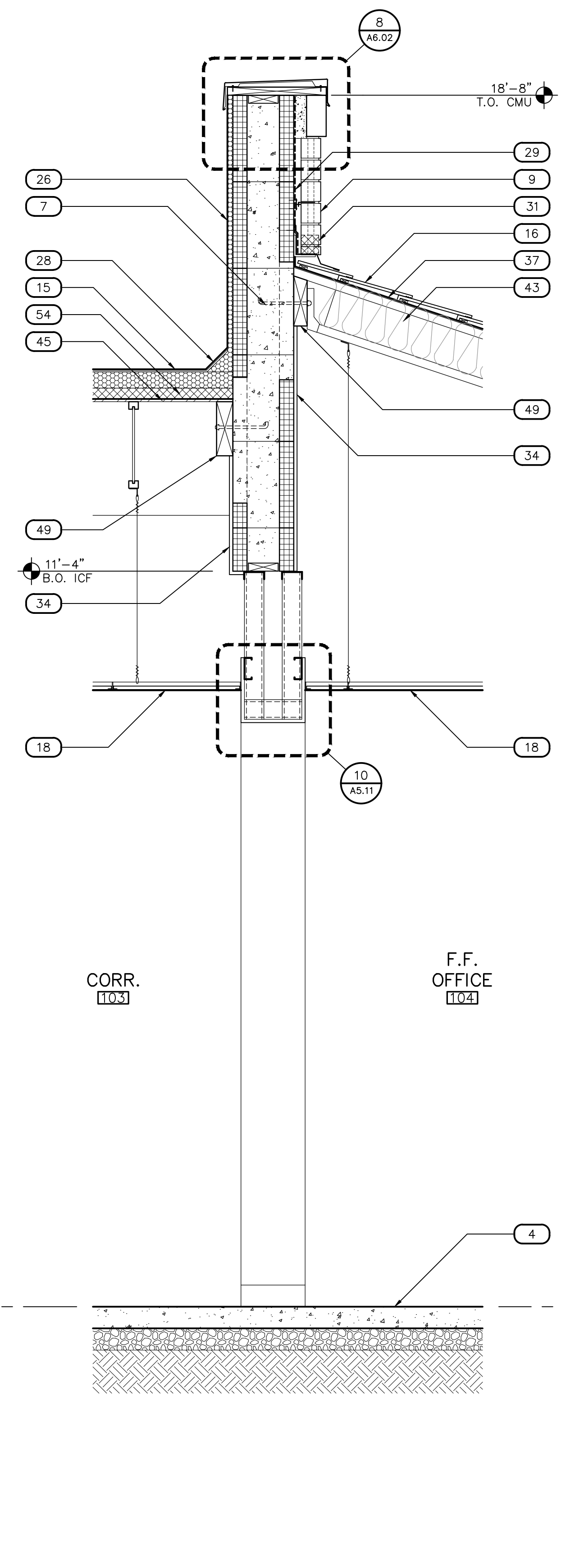
WALL SECTIONS
A9.02

FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

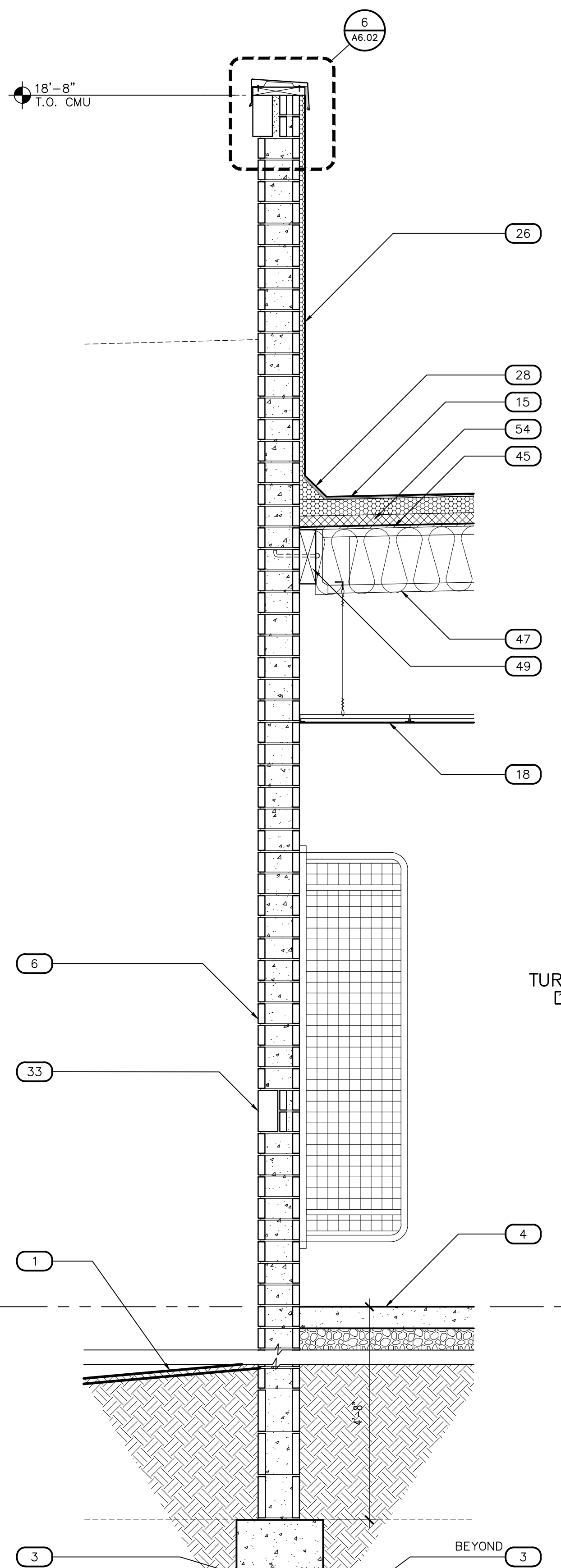
Note:
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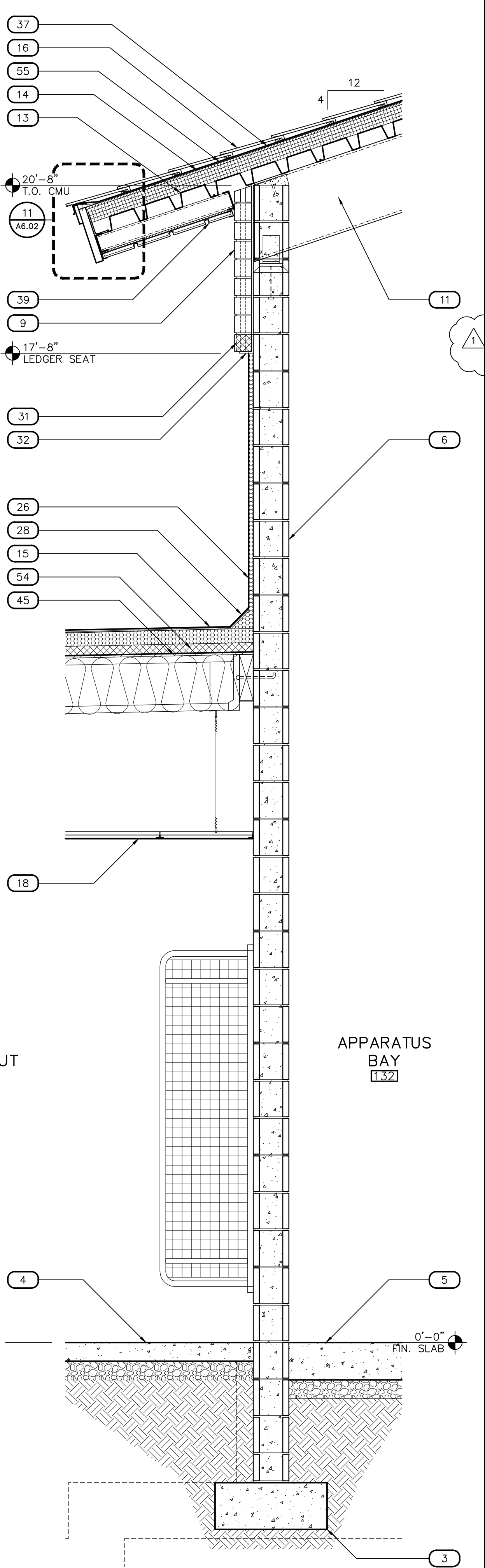
9 WALL SECTION
SCALE: 3/4" = 1'-0"
WSECT-ANNO



10 WALL SECTION
SCALE: 3/4" = 1'-0"
WSECT-ANNO



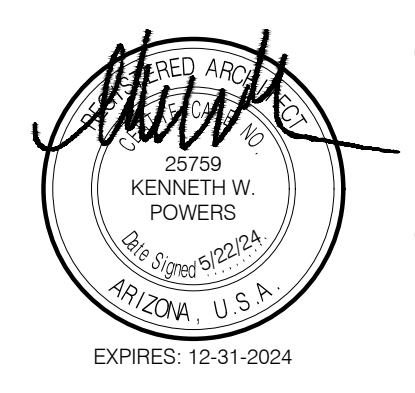
11 WALL SECTION
SCALE: 3/4" = 1'-0"
WSECT-ANNO



12 WALL SECTION
SCALE: 3/4" = 1'-0"
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Revisions	Date
1	5/22/24
CITY COMMENTS	



Designed By:
ET / GA

Drawn By:
TA / RS

Checked By:
GA / TA

Date:
12/14/2023

Phase:
PERMIT

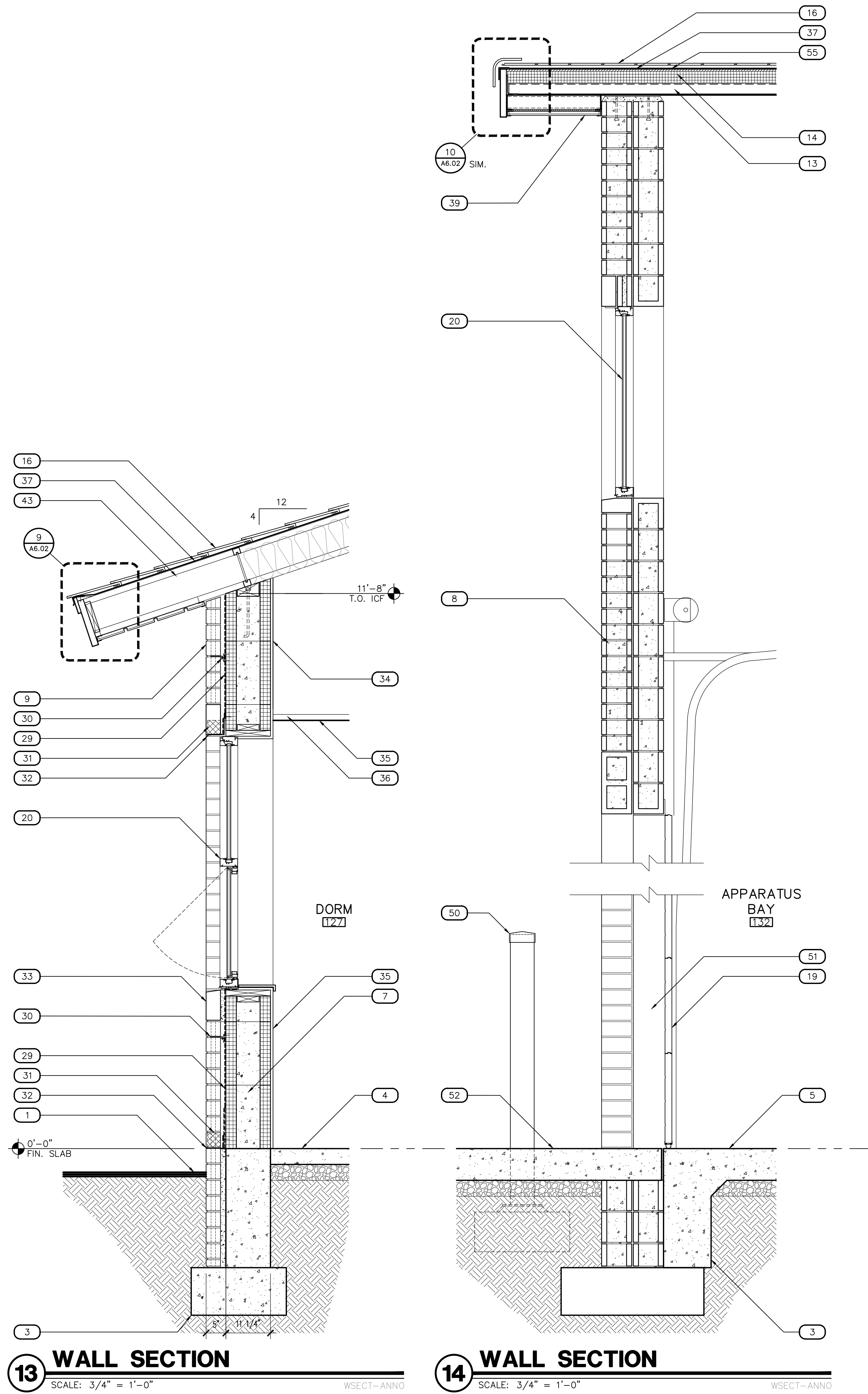
Perlman
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480.951.5900 480.951.3045
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Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**
Index No:
FD57100020-3

KIVA # **23-1810**
SDEV # **2300473**

WALL SECTIONS
A9.03

CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL



13 WALL SECTION
SCALE: 3/4" = 1'-0"
WSECT-ANNO

14 WALL SECTION
SCALE: 3/4" = 1'-0"
WSECT-ANNO

COMcheck Software Version 4.1.5.5
Envelope Compliance Certificate

Project Information
 Energy Code: 2018 IECC
 Project Title: Phoenix FS74
 Location: Phoenix, Arizona
 Climate Zone: 2b
 Project Type: New Construction
 Vertical Glazing / Wall Area: 8%

Construction Site: NWC 15th Ave and Chandler, Phoenix, AZ
 Owner/Agent: [Redacted]
 Designer/Contractor: [Redacted]

Additional Efficiency Package(s)
 Credits: 1.0 Required, 1.0 Proposed
 Enhanced Envelope Performance, 1.0 credit

Building Area	Floor Area
1-Fire Station - Nonresidential	11138

Envelope Assemblies	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor _{req}
Roof: Attic Roof with Wood Joists, [Bldg. Use 1 - Fire Station]	11138	30.0	8.0	0.027	0.027
Floor: Slab-On-Grade Unheated, [Bldg. Use 1 - Fire Station] (c)	721	---	---	0.730	0.730
NORTH					
ICF: Solid Concrete 6" Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Fire Station]	1773	---	28.0	0.034	0.151
Glazing: Metal Frame with Thermal Break Fixed, Perf. Specs.: Product ID SB60, SHGC 0.25, [Bldg. Use 1 - Fire Station] (b)	108	---	---	0.240	0.500
Storefront: Glass (> 50% glazing) Metal Frame, Entrance Door, Perf. Specs.: Product ID SB60, SHGC 0.25, [Bldg. Use 1 - Fire Station] (b)	70	---	---	0.240	0.830
Other Openings: Uninsulated Single-Layer Metal, Swinging, [Bldg. Use 1 - Fire Station]	104	---	---	1.000	0.610
EAST					
ICF: Solid Concrete 6" Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Fire Station]	1296	---	28.0	0.034	0.151
Glazing: Metal Frame with Thermal Break Fixed, Perf. Specs.: Product ID SB60, SHGC 0.25, [Bldg. Use 1 - Fire Station] (b)	75	---	---	0.240	0.500
Storefront: Metal Frame with Thermal Break Fixed, Perf. Specs.: Product ID SB60, SHGC 0.25, [Bldg. Use 1 - Fire Station] (b)	96	---	---	0.240	0.500
SOUTH					
ICF: Solid Concrete 6" Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Fire Station]	2317	---	28.0	0.034	0.151
Glazing: Metal Frame with Thermal Break Operable, Perf. Specs.: Product ID SB60, SHGC 0.25, [Bldg. Use 1 - Fire Station] (b)	118	---	---	0.240	0.650
WEST					
ICF: Solid Concrete 6" Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Fire Station]	1415	---	28.0	0.034	0.151

Project Title: Phoenix FS74
 Data filename: D:\Perlman Architects\Perlman - Projects\2023 Commercial Projects\323009 - COP FS74\Docs\0 Page 1 of 11
 Report date: 11/16/23
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Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor _{req}
Use 1 - Fire Station					
Glazing: Metal Frame with Thermal Break Operable, Perf. Specs.: Product ID SB60, SHGC 0.25, [Bldg. Use 1 - Fire Station] (b)	18	---	---	0.240	0.650
Storefront: Glass (> 50% glazing) Metal Frame, Entrance Door, Perf. Specs.: Product ID SB60, SHGC 0.25, [Bldg. Use 1 - Fire Station] (b)	75	---	---	0.240	0.830
Other Openings: Uninsulated Single-Layer Metal, Swinging, [Bldg. Use 1 - Fire Station]	25	---	---	1.000	0.610

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
 (b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
 (c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 30% better than code

Envelope Compliance Statement
 Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Gerald Adams, Director, LEED AP
 Name - Title: [Signature] Date: 11/16/2023

Project Title: Phoenix FS74
 Data filename: D:\Perlman Architects\Perlman - Projects\2023 Commercial Projects\323009 - COP FS74\Docs\0 Page 2 of 11
 Report date: 11/16/23
 CD\Phoenix FS74 - 2018.cck

KEYNOTES

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Revisions	Date
CITY COMMENTS	5/22/24



Designed By:
ET / GA

Drawn By:
TA / RS

Checked By:
GA / TA

Date:
12/14/2023

Phase:
PERMIT

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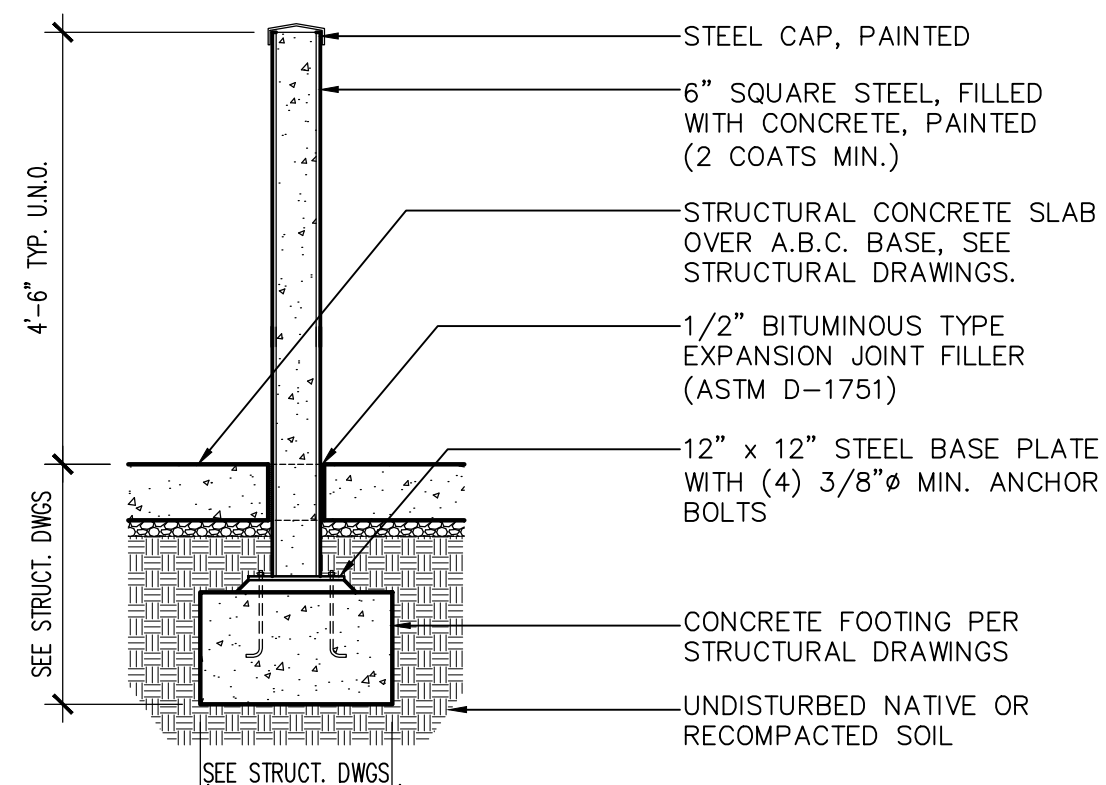
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CITY OF PHOENIX

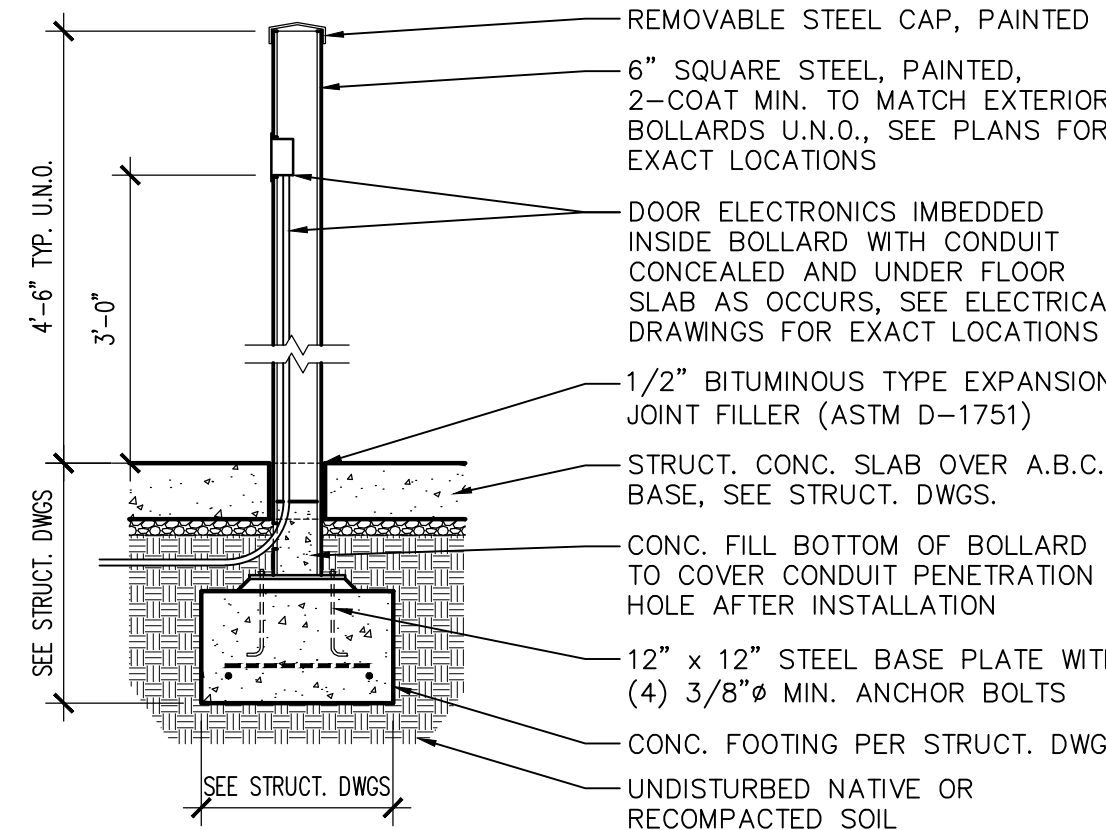
KIVA # 23-1810
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WALL SECTIONS
A9.04

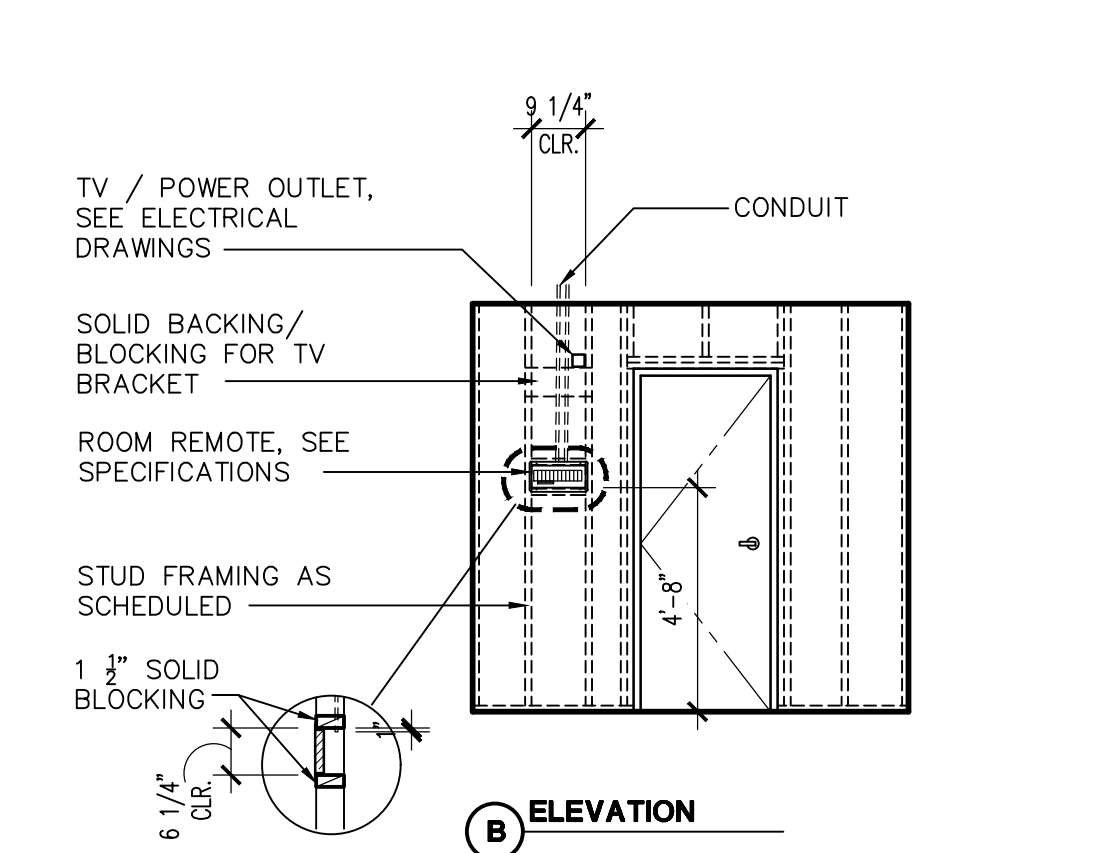
CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL



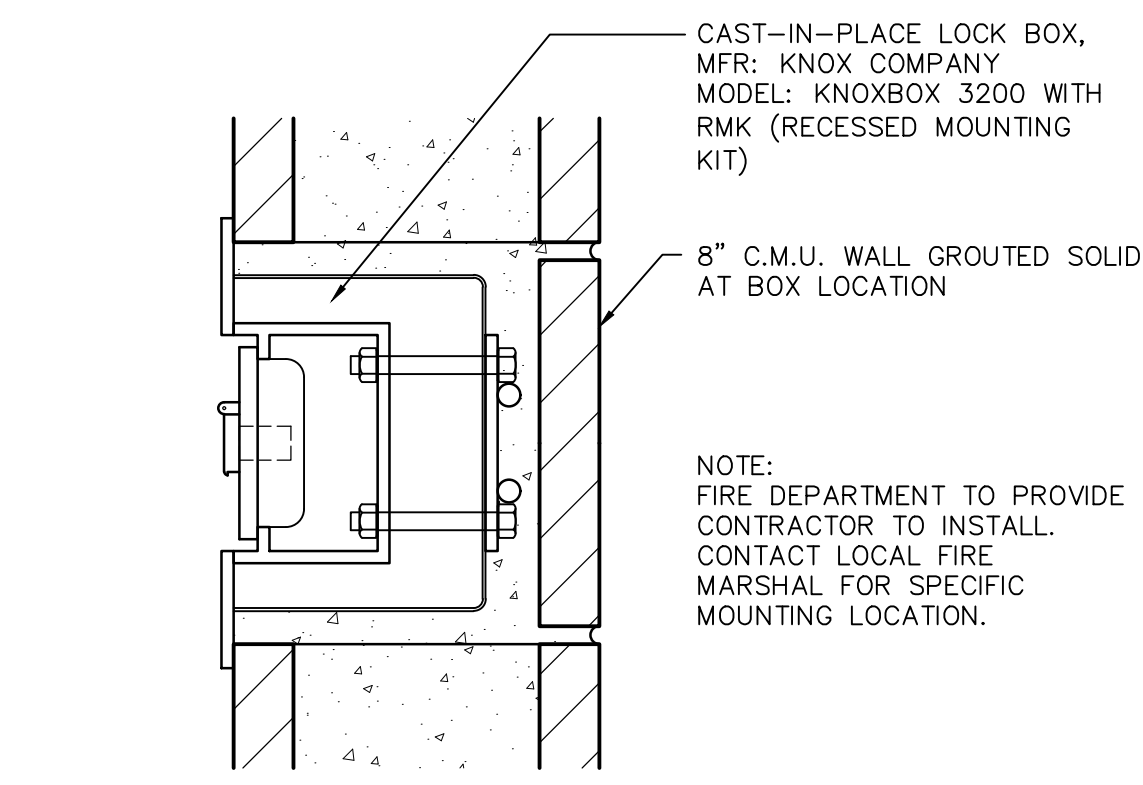
1 SQUARE BOLLARD
SCALE: 1/2" = 1'-0" BOLLARD-EXT



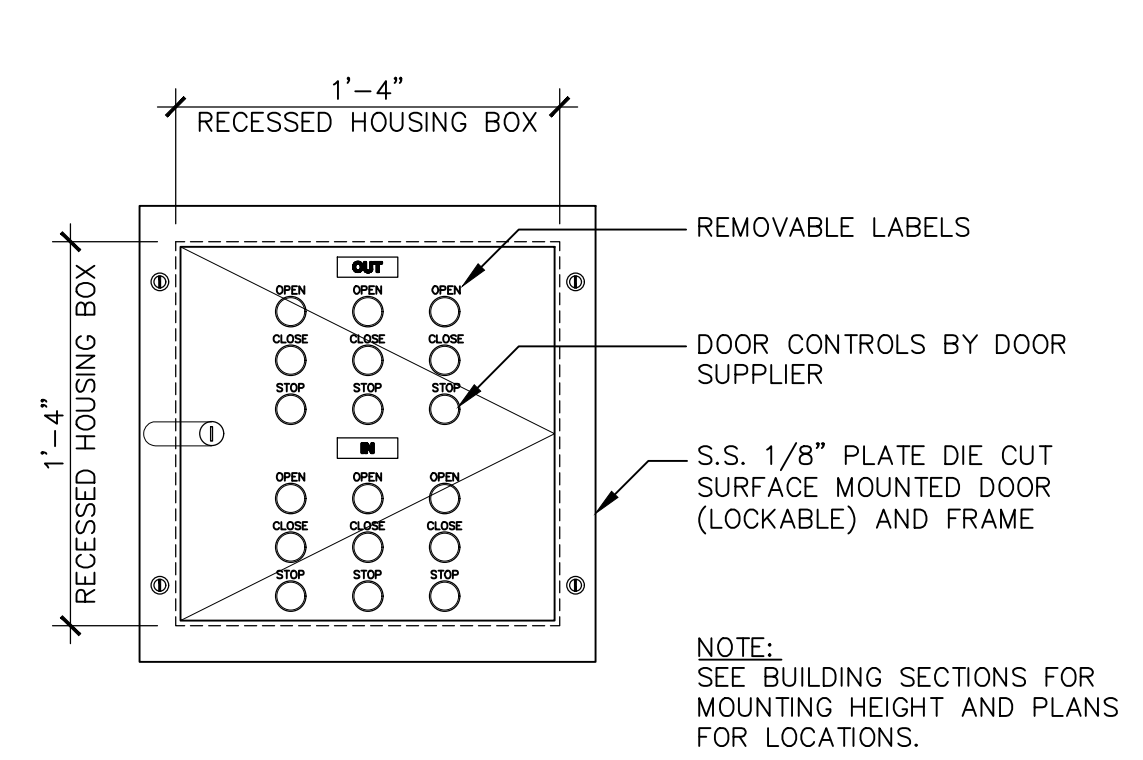
6 INTERIOR BOLLARD
SCALE: 1/2" = 1'-0" INTERIOR BOLLARD



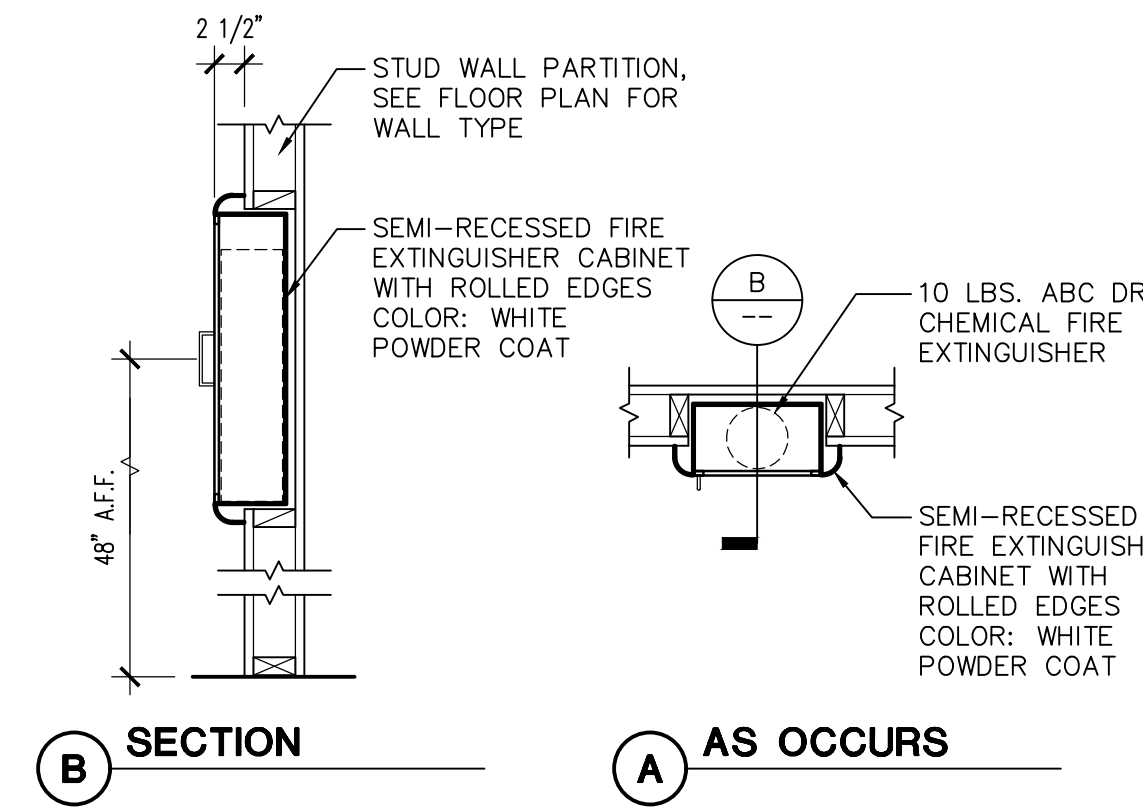
16 DORM REMOTE
SCALE: 1/4" = 1'-0" DORMREMOTE



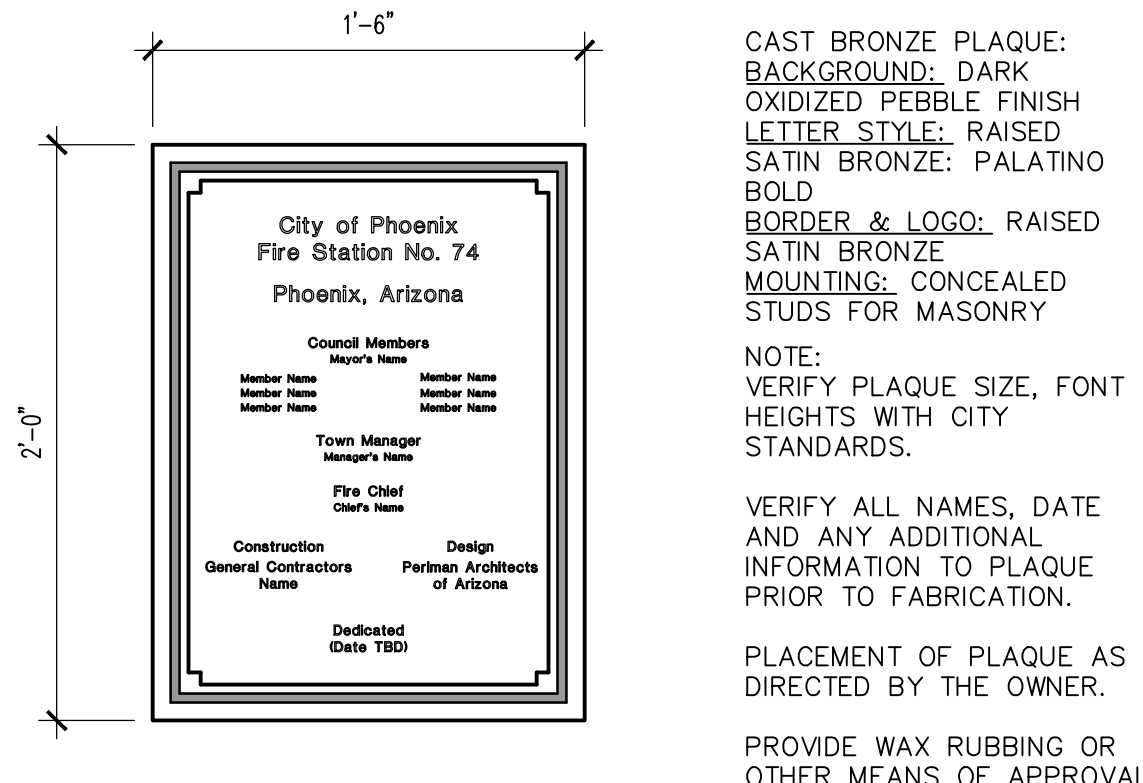
2 LOCK BOX
SCALE: 3" = 1'-0" KNOXBOXCONNECTION_CMU



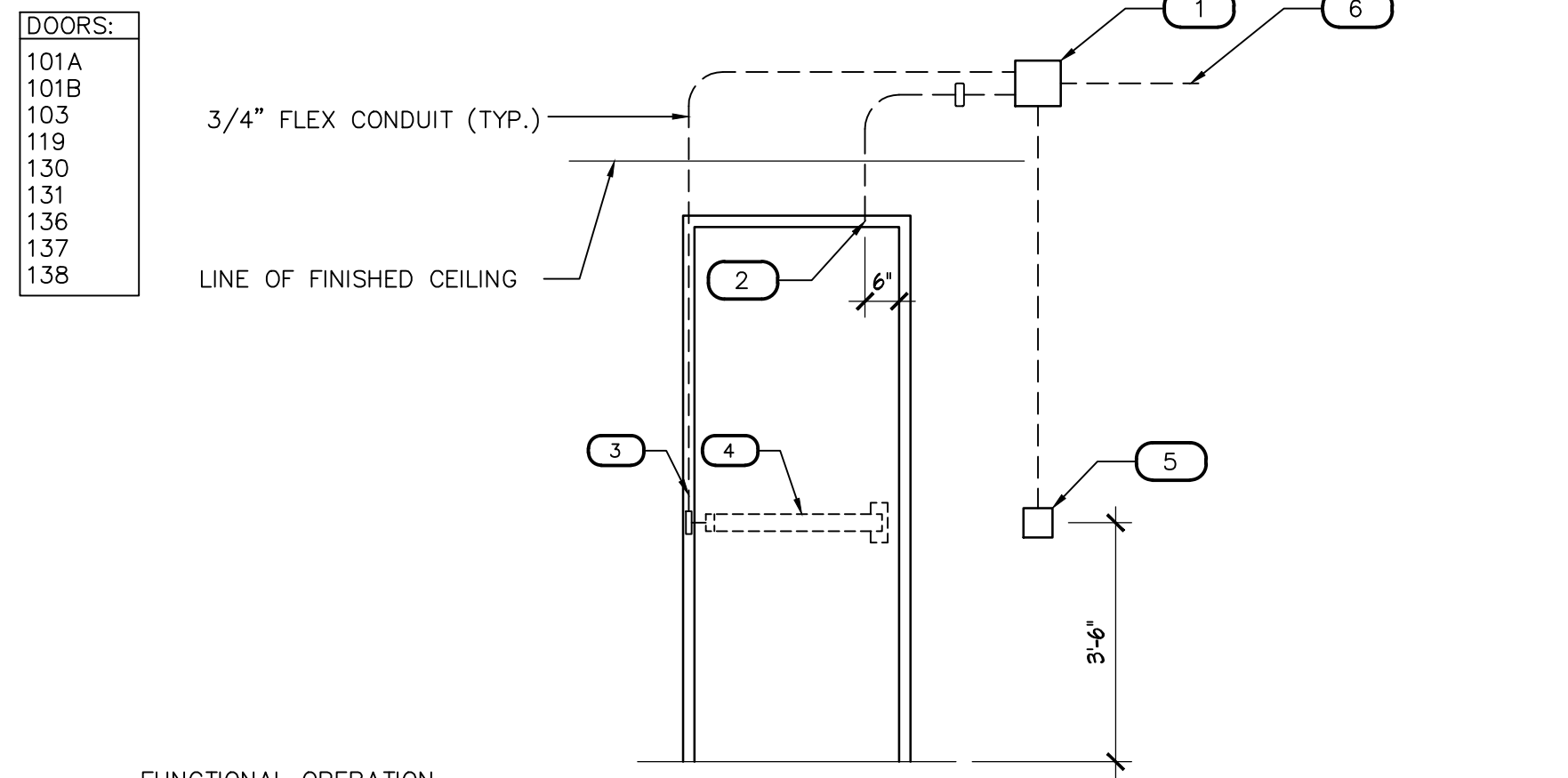
7 DOOR CONTROLLER
SCALE: 1 1/2" = 1'-0" DOOR CONTROLS



12 FIRE EXTINGUISHER
SCALE: 3/4" = 1'-0" FIREEXTINGUISHER



17 DEDICATION PLAQUE
SCALE: 1 1/2" = 1'-0" DEDICATIONPLAQUE



8 ACCESS CONTROL DIAGRAM
SCALE: N.T.S.

FUNCTIONAL OPERATION

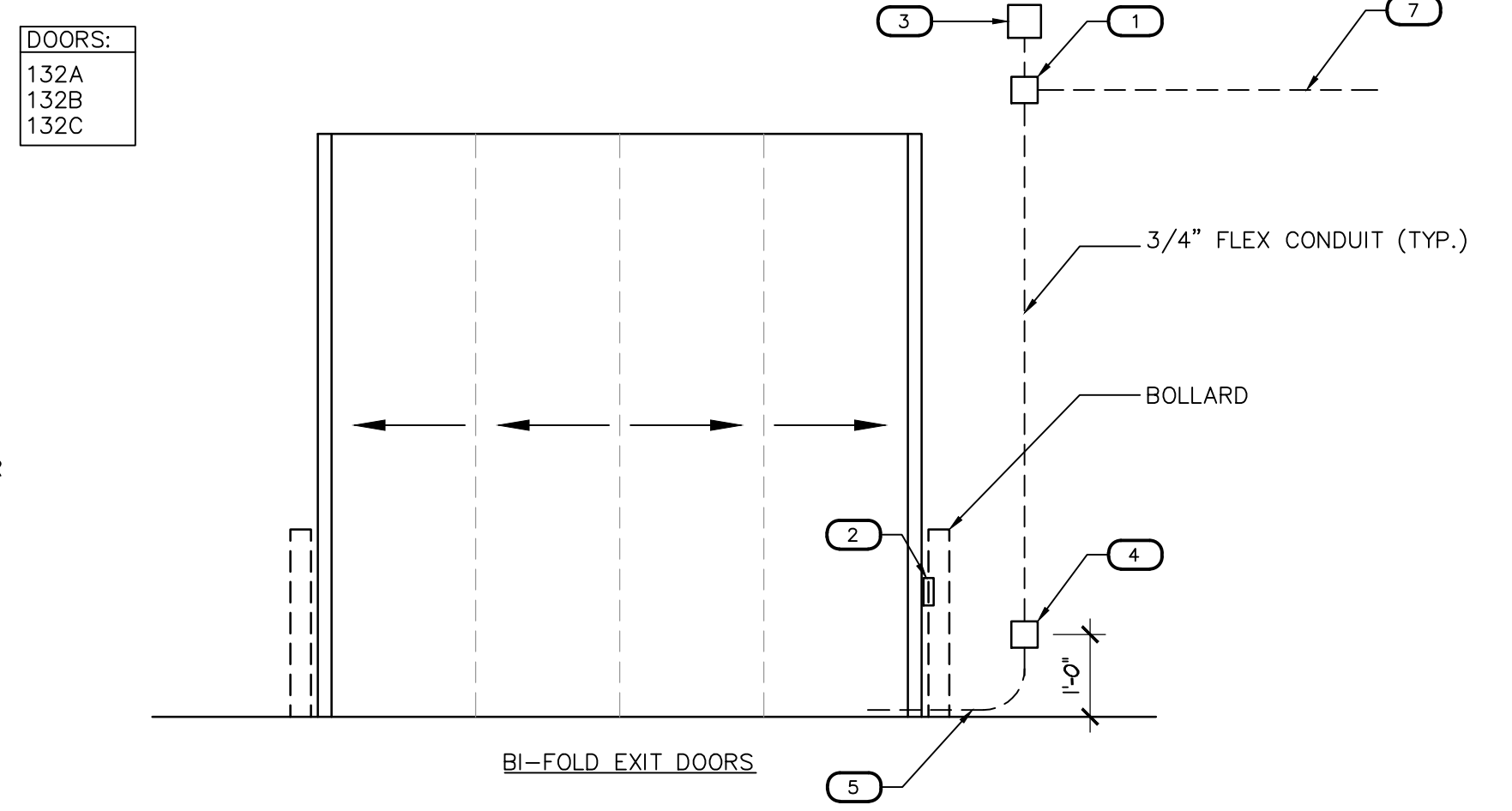
ACCESS: FROM NON-EGRESS SIDE, UPON PRESENTING A VALID CARD TO THE READER, THE A.C.S. SHALL SHUNT THE D.P.S. AND UNLOCK THE DOOR FOR A USER DEFINED TIME PERIOD. UPON DOOR CLOSING THE DOOR SHALL LOCK AND REMOVE SHUNT PERIOD. IF DOOR IS NOT CLOSED WITHIN DEFINED PERIOD A DOOR HELD OPEN ALARM SHALL ANNUNCIATE ON THE A.C.S. WORKSTATION. OPENING THE DOOR WITHOUT PRESENTING A VALID CARD TO THE READER SHALL CAUSE A DOOR FORCE ALARM TO ANNUNCIATE ON THE A.C.S.

EGRESS: FROM EGRESS SIDE, UPON ENGAGING THE PANIC DEVICE, AN INTEGRAL REQUEST-TO-EXIT SWITCH SHALL NOTIFY THE A.C.S. TO SHUNT THE D.P.S. FOR A USER DEFINED TIME PERIOD. UPON DOOR CLOSING THE DOOR SHALL LOCK AND REMOVE SHUNT PERIOD.

NOTES

#	DESCRIPTION
1	PROVIDE JUNCTION BOX WITH COVER PLATE
2	STUB CONDUIT INTO HEAD OF DOOR FRAME FOR CONCEALED DOOR POSITION SWITCH
3	STUB CONDUIT DOWN DOOR FRAME AND CONNECT TO BACKBOX FOR POWER TRANSFER
4	ELECTRIFIED PANIC DEVICE WITH INTEGRAL REQUEST-TO-EXIT SWITCH.
5	PROVIDE JUNCTION BOX AS REQUIRED FOR MOUNTING CARD READER ON NON-EGRESS SIDE
6	THE A.C.S. SHALL HOME-RUN TO THE A.C.S. SYSTEM CONTROLLER. SEE ELECTRICAL DRAWINGS FOR LOCATION.

*NOTE: POWER SUPPLY MAY BE REMOTELY LOCATED IF AN ACCESSIBLE CEILING IS NOT DIRECTLY ABOVE THE DOOR. CONSULT WITH FIRE DEPARTMENT AND ARCHITECT IF LOCATING POWER SUPPLY REMOTELY TO IDENTIFY ANY VOLTAGE DROP ISSUES.



18 ACCESS CONTROL DIAGRAM
SCALE: N.T.S.

FUNCTIONAL OPERATION

ACCESS: FROM NON-EGRESS SIDE, UPON PRESENTING A VALID CARD TO THE READER, THE A.C.S. SHALL OPEN DOORS. DOORS SHALL OPEN VIA REMOTE TRANSMITTERS CARRIED ON BOARD THE APPARATUS PROVIDED BY THE OVERHEAD DOOR OPERATOR SUPPLIER.

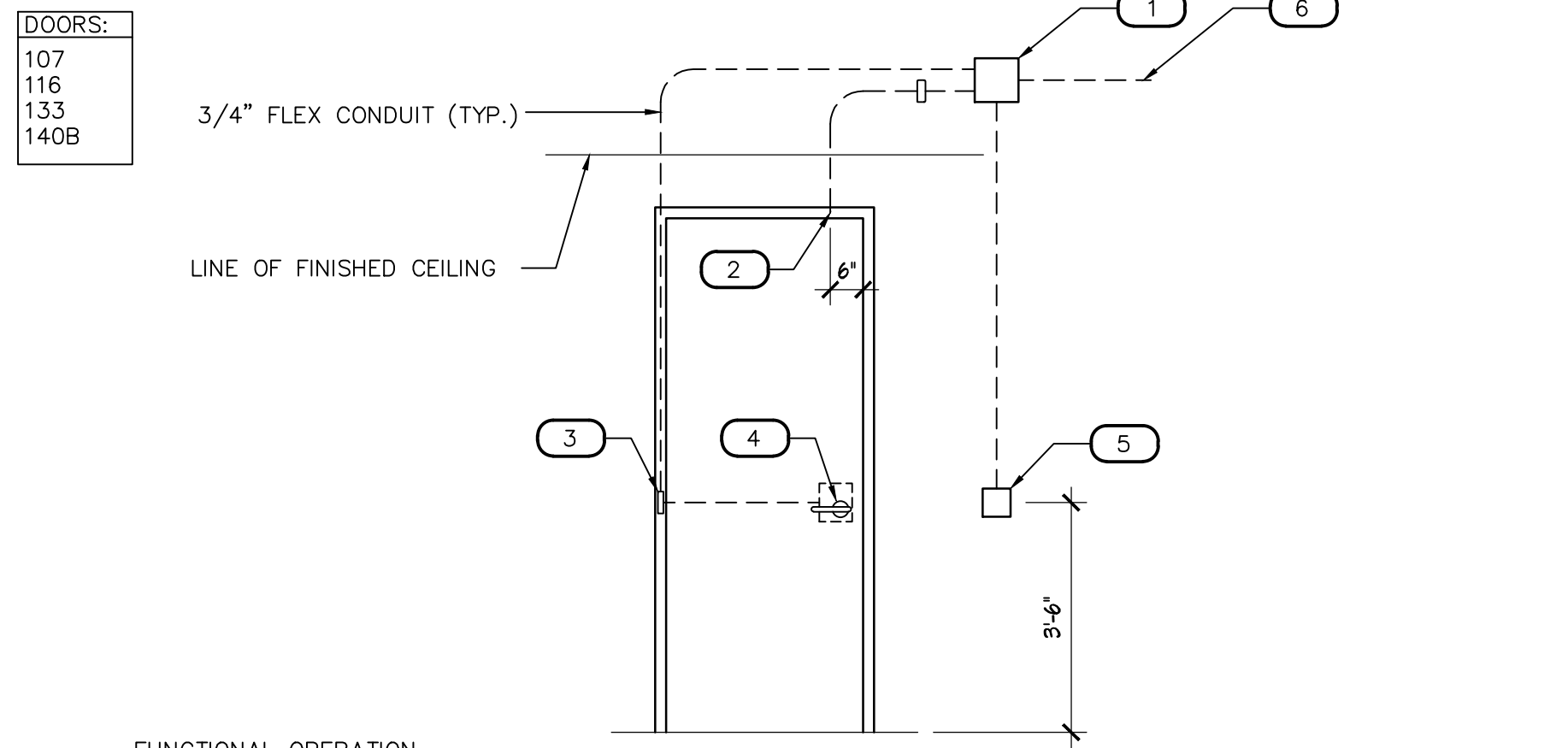
EGRESS: OPEN SHUT AND STOP SHALL BE CONTROLLED BY THE PUSHBUTTON APPARATUS DOOR CONTROLS-SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION

DOOR POSITION SWITCH LOGIC

IF ANY ONE OF THE ENTRY DOORS ARE OPEN AT THE SAME TIME AS ANY ONE OF THE EXIT DOORS, A HELD OPEN ALARM SHALL ANNUNCIATE ON THE A.C.S. WORKSTATION.

NOTES

#	DESCRIPTION
1	PROVIDE JUNCTION BOX WITH COVER PLATE AT POWER SUPPLY.
2	DOOR POSITION SWITCH TO BE MOUNTED ON STEEL BOLLARD. PROVIDE CONDUIT.
3	CONNECT CONDUIT TO OVERHEAD DOOR INTERFACE PROVIDED BY DOOR SUPPLIER. FIELD VERIFY EXACT LOCATION.
4	PROVIDE JUNCTION BOX WITH COVER PLATE TYP. ALL DOORS.
5	ARMORED CABLE PROVIDED BY THE SECURITY CONTRACTOR.
6	PROVIDE JUNCTION BOX AS REQUIRED FOR MOUNTING CARD READER ON NON-EGRESS SIDE FOR DOOR.
7	THE A.C.S. SHALL HOME-RUN TO THE A.C.S. SYSTEM CONTROLLER.



9 ACCESS CONTROL DIAGRAM
SCALE: N.T.S.

FUNCTIONAL OPERATION

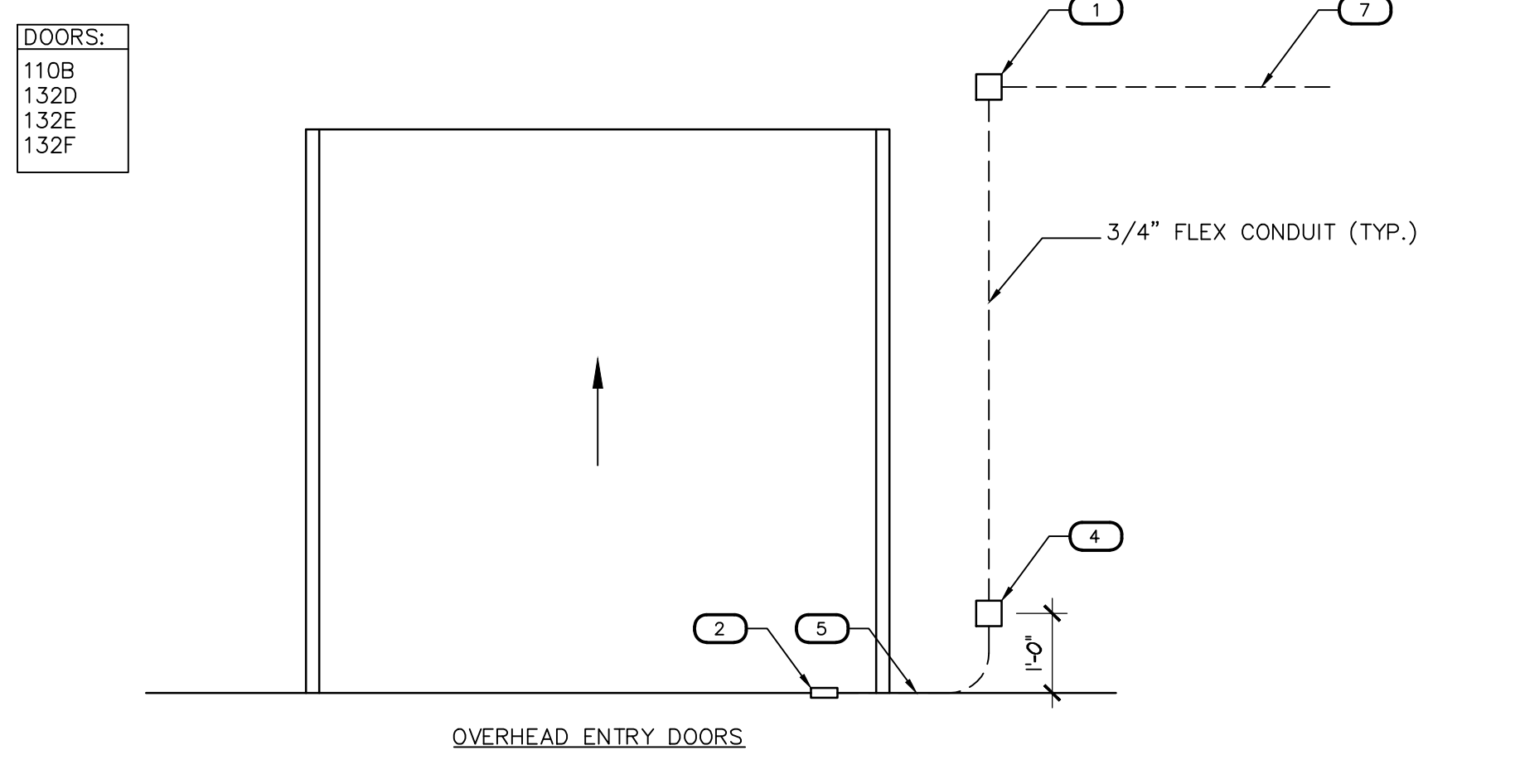
ACCESS: FROM NON-EGRESS SIDE, UPON PRESENTING A VALID CARD TO THE READER, THE A.C.S. SHALL SHUNT THE D.P.S. AND UNLOCK THE DOOR FOR A USER DEFINED TIME PERIOD. UPON DOOR CLOSING THE DOOR SHALL LOCK AND REMOVE SHUNT PERIOD. IF DOOR IS NOT CLOSED WITHIN DEFINED PERIOD A DOOR HELD OPEN ALARM SHALL ANNUNCIATE ON THE A.C.S. WORKSTATION. OPENING THE DOOR WITHOUT PRESENTING A VALID CARD TO THE READER SHALL CAUSE A DOOR FORCE ALARM TO ANNUNCIATE ON THE A.C.S.

EGRESS: FROM EGRESS SIDE, UPON ENGAGING THE LEVER, AN INTEGRAL REQUEST-TO-EXIT SWITCH SHALL NOTIFY THE A.C.S. TO SHUNT THE D.P.S. FOR A USER DEFINED TIME PERIOD. UPON DOOR CLOSING THE DOOR SHALL LOCK AND REMOVE SHUNT PERIOD.

NOTES

#	DESCRIPTION
1	PROVIDE JUNCTION BOX WITH COVER PLATE
2	STUB CONDUIT INTO HEAD OF DOOR FRAME FOR CONCEALED DOOR POSITION SWITCH
3	STUB CONDUIT DOWN DOOR FRAME AND CONNECT TO BACKBOX FOR POWER TRANSFER
4	ELECTRIFIED LOCKSET
5	PROVIDE JUNCTION BOX AS REQUIRED FOR MOUNTING CARD READER ON NON-EGRESS SIDE
6	THE A.C.S. SHALL HOME-RUN TO THE A.C.S. SYSTEM CONTROLLER. SEE ELECTRICAL DRAWINGS FOR LOCATION.

*NOTE: POWER SUPPLY MAY BE REMOTELY LOCATED IF AN ACCESSIBLE CEILING IS NOT DIRECTLY ABOVE THE DOOR. CONSULT WITH FIRE DEPARTMENT AND ARCHITECT IF LOCATING POWER SUPPLY REMOTELY TO IDENTIFY ANY VOLTAGE DROP ISSUES.



18 ACCESS CONTROL DIAGRAM
SCALE: N.T.S.

FUNCTIONAL OPERATION

ACCESS: FROM NON-EGRESS SIDE, UPON PRESENTING A VALID CARD TO THE READER, THE A.C.S. SHALL OPEN DOORS. DOORS SHALL OPEN VIA REMOTE TRANSMITTERS CARRIED ON BOARD THE APPARATUS PROVIDED BY THE OVERHEAD DOOR OPERATOR SUPPLIER.

EGRESS: OPEN SHUT AND STOP SHALL BE CONTROLLED BY THE PUSHBUTTON APPARATUS DOOR CONTROLS-SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION

DOOR POSITION SWITCH LOGIC

IF ANY ONE OF THE ENTRY DOORS ARE OPEN AT THE SAME TIME AS ANY ONE OF THE EXIT DOORS, A HELD OPEN ALARM SHALL ANNUNCIATE ON THE A.C.S. WORKSTATION.

NOTES

#	DESCRIPTION
1	PROVIDE JUNCTION BOX WITH COVER PLATE AT POWER SUPPLY.
2	DOOR POSITION SWITCH TO BE MOUNTED ON STEEL BOLLARD. PROVIDE CONDUIT.
3	CONNECT CONDUIT TO OVERHEAD DOOR INTERFACE PROVIDED BY DOOR SUPPLIER. FIELD VERIFY EXACT LOCATION.
4	PROVIDE JUNCTION BOX WITH COVER PLATE TYP. ALL DOORS.
5	ARMORED CABLE PROVIDED BY THE SECURITY CONTRACTOR.
6	PROVIDE JUNCTION BOX AS REQUIRED FOR MOUNTING CARD READER ON NON-EGRESS SIDE FOR DOOR.
7	THE A.C.S. SHALL HOME-RUN TO THE A.C.S. SYSTEM CONTROLLER.

Revisions	Date
1	5/22/24
CITY COMMENTS	



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Date:
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Phase:
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Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
FD57100020-3**

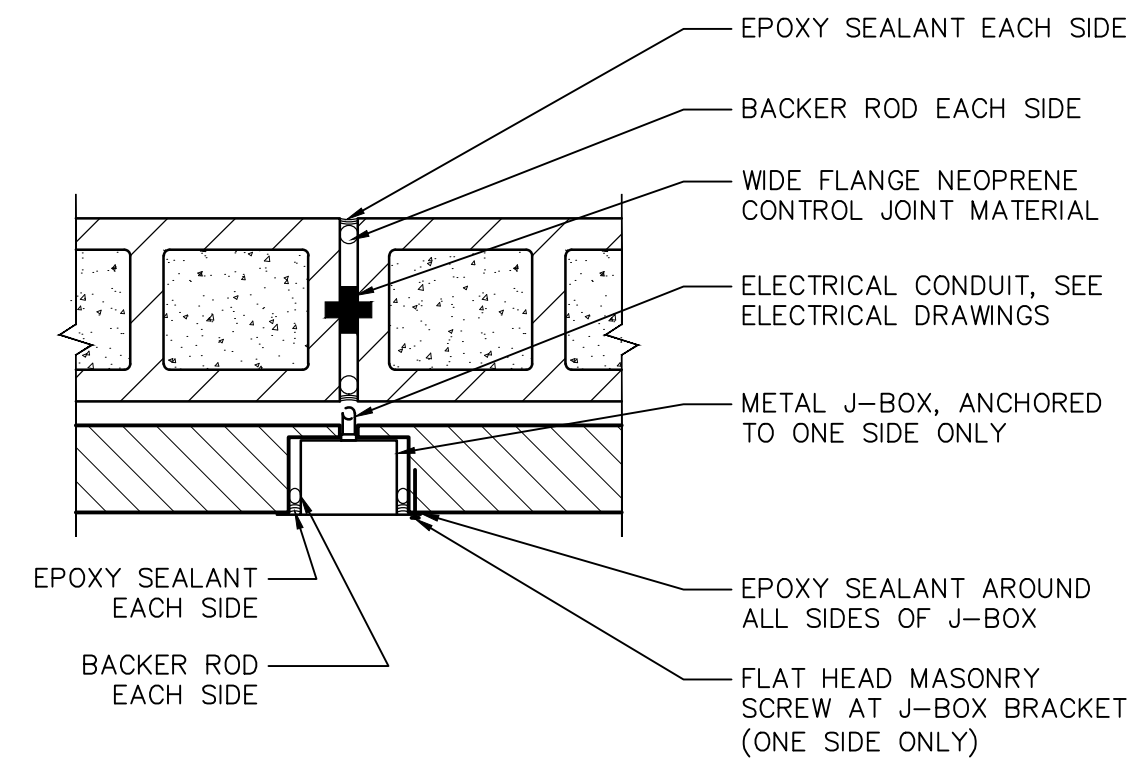
Index No:

CITY OF PHOENIX

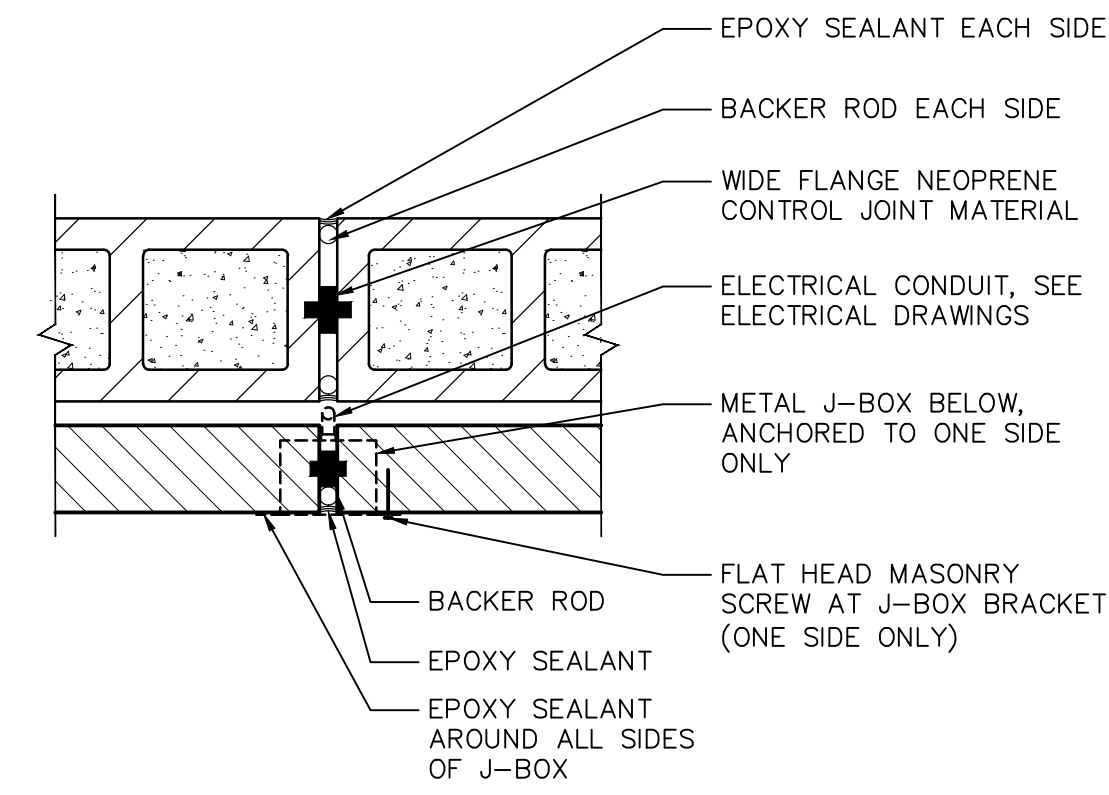
KIVA # **23-1810**
SDEV # **2300473**

ARCHITECTURAL
DETAILS
A10.01

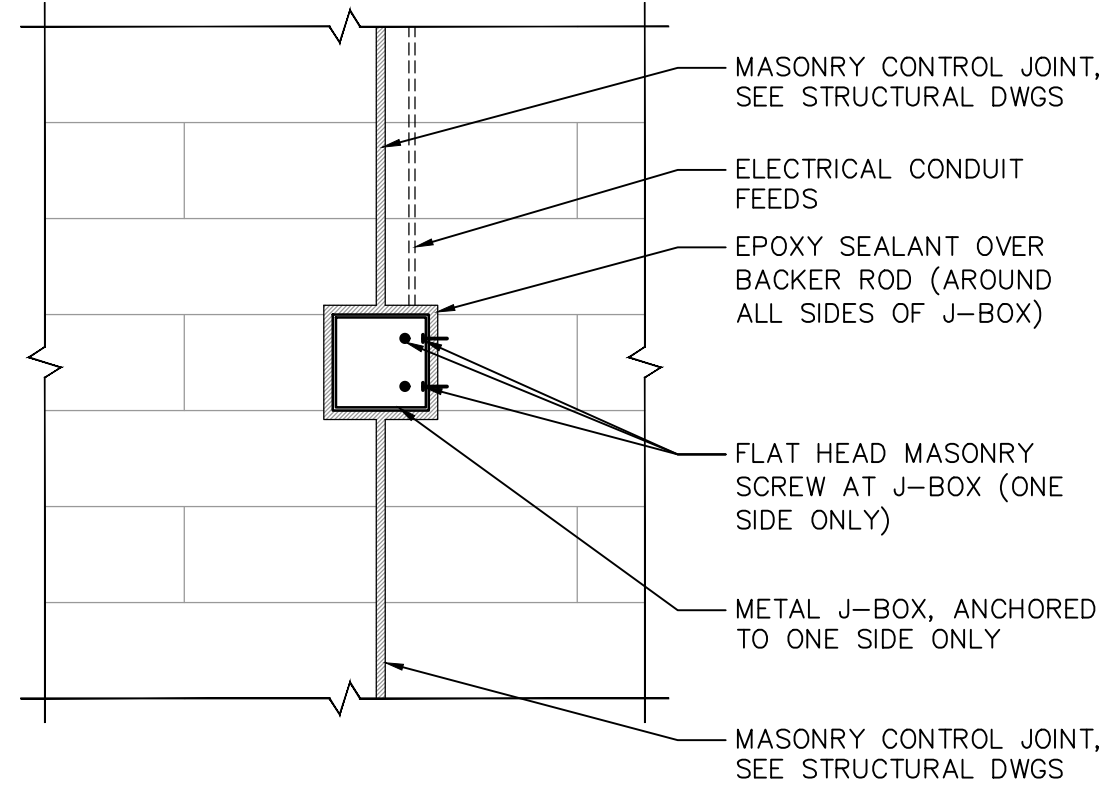
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1 J-BOX AT MCJ
 SCALE: 1 1/2" = 1'-0"
 J-BOX_CMU

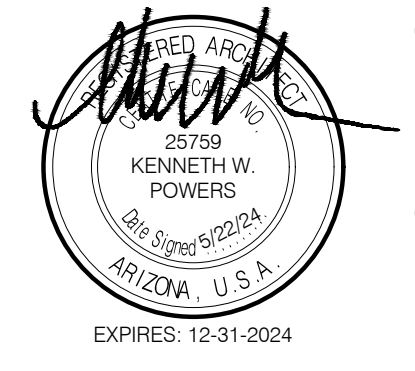


2 J-BOX BELOW MCJ
 SCALE: 1 1/2" = 1'-0"
 J-BOX_CMU2



3 J-BOX AT MCJ
 SCALE: 1 1/2" = 1'-0"
 J-BOX_CMU3

Revisions	Date
△ CITY COMMENTS	5/22/24



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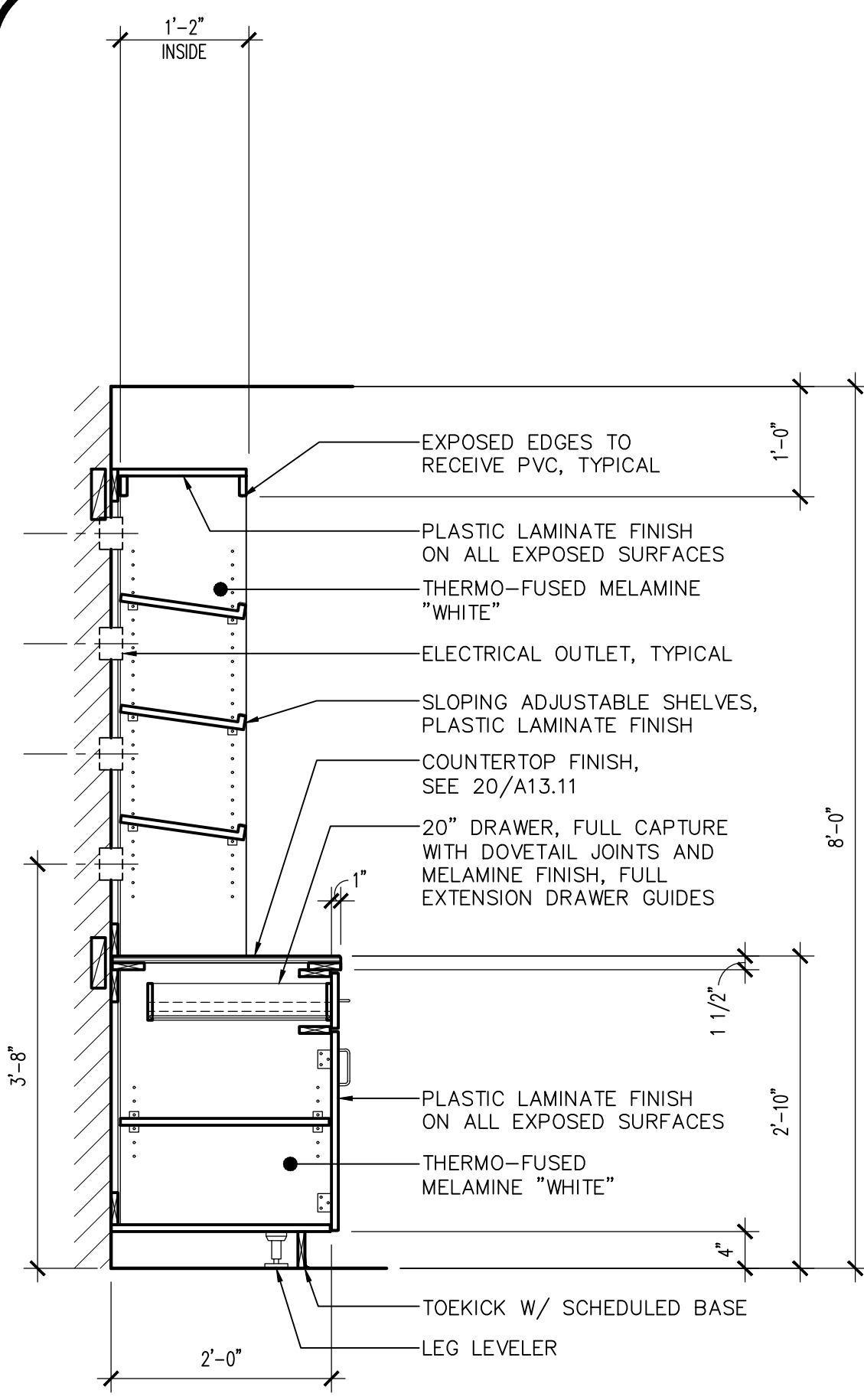
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KIVA # 23-1810
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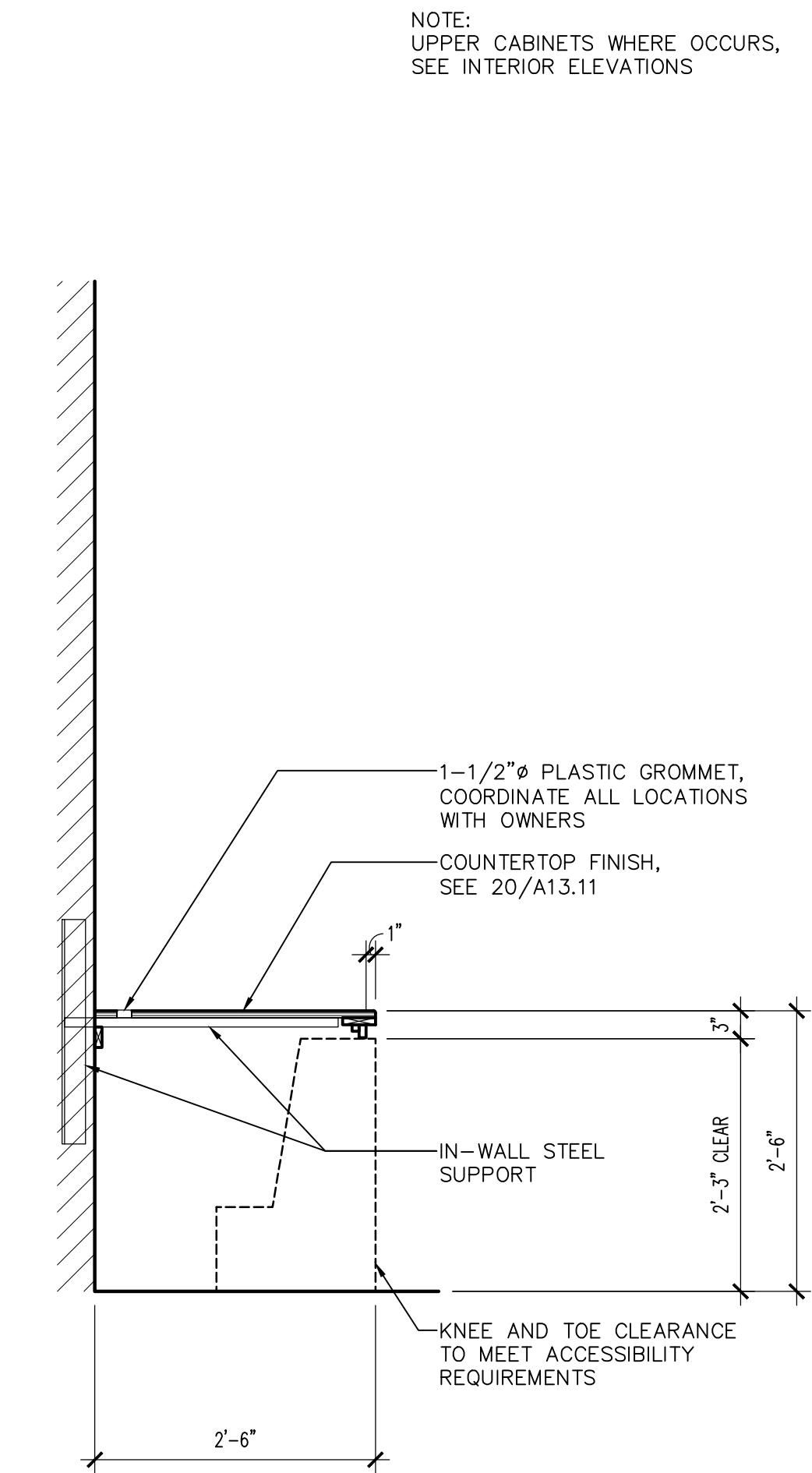
ARCHITECTURAL
 DETAILS
A10.02

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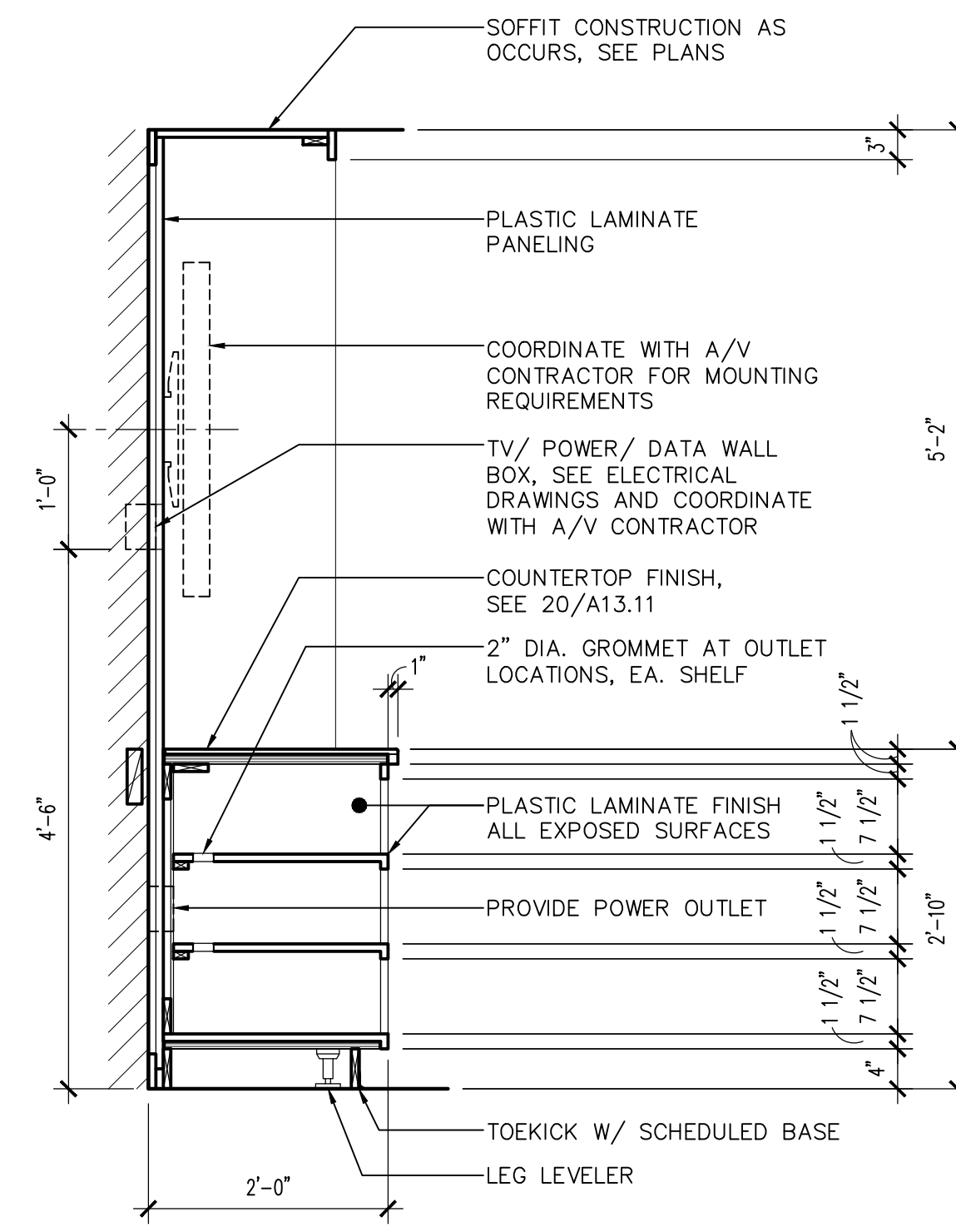
CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL



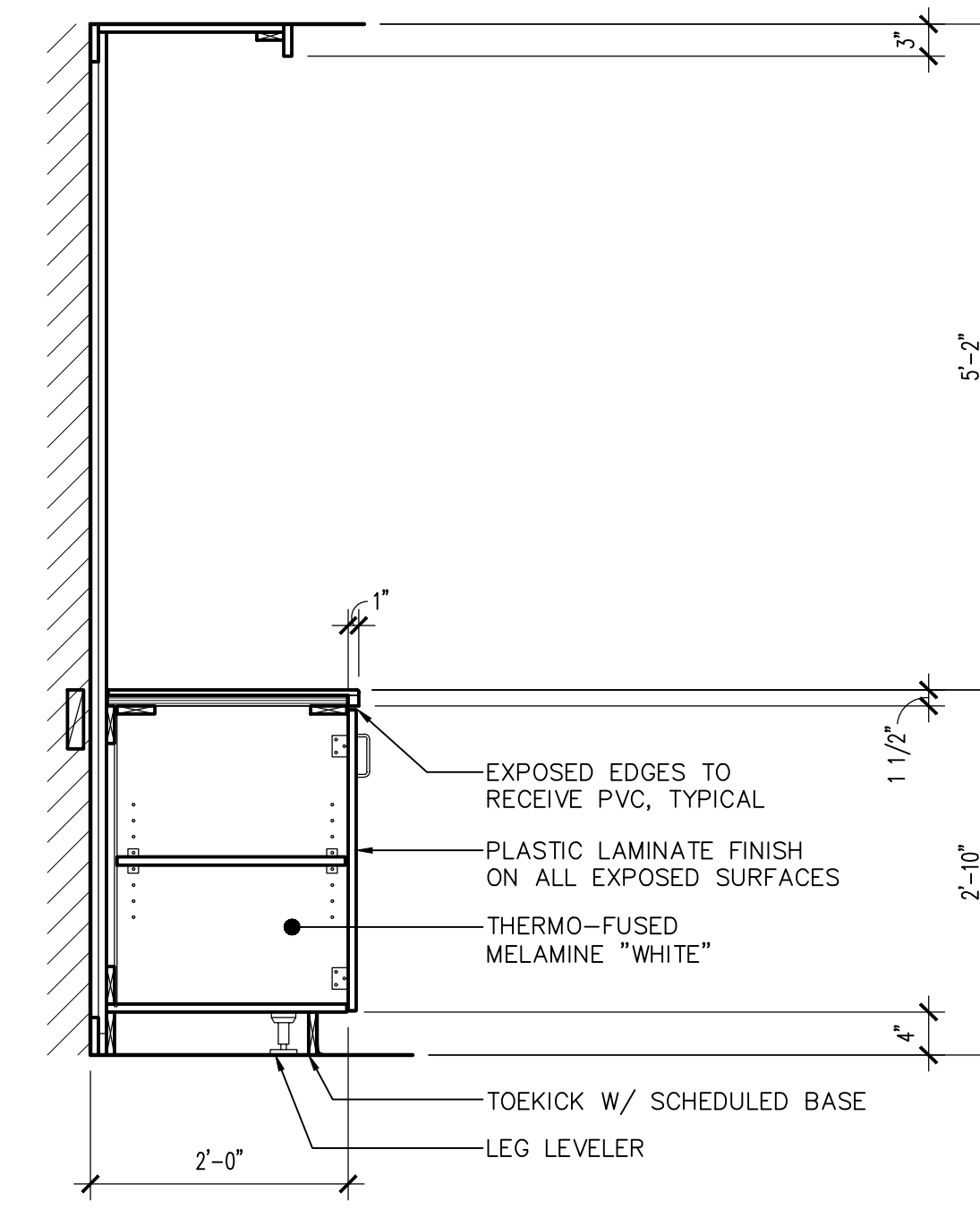
1 CHARGING STATION
SCALE: 3/4" = 1'-0"



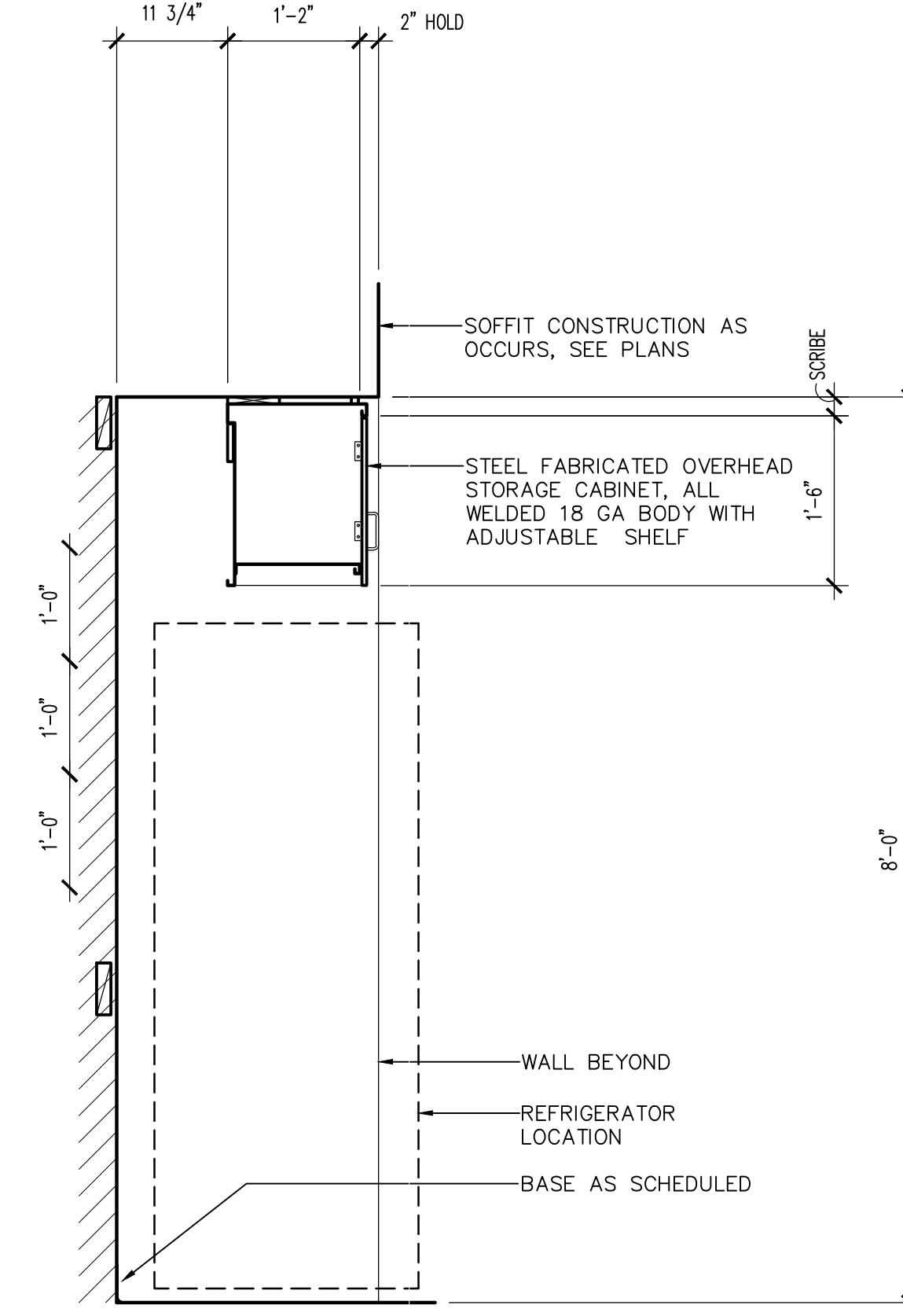
2 OFFICE WORKSTATION
SCALE: 3/4" = 1'-0"



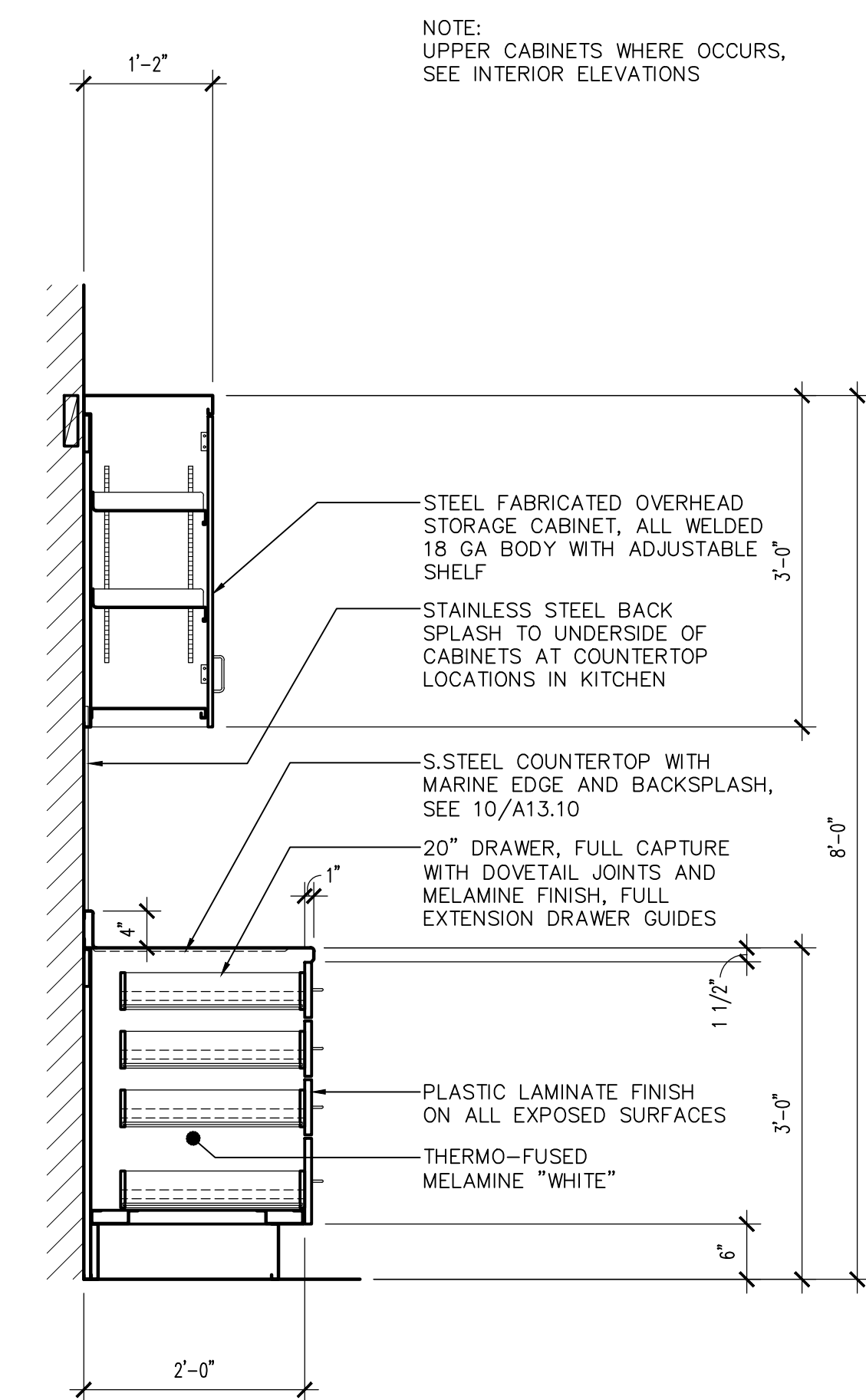
3 MEDIA CENTER
SCALE: 3/4" = 1'-0"



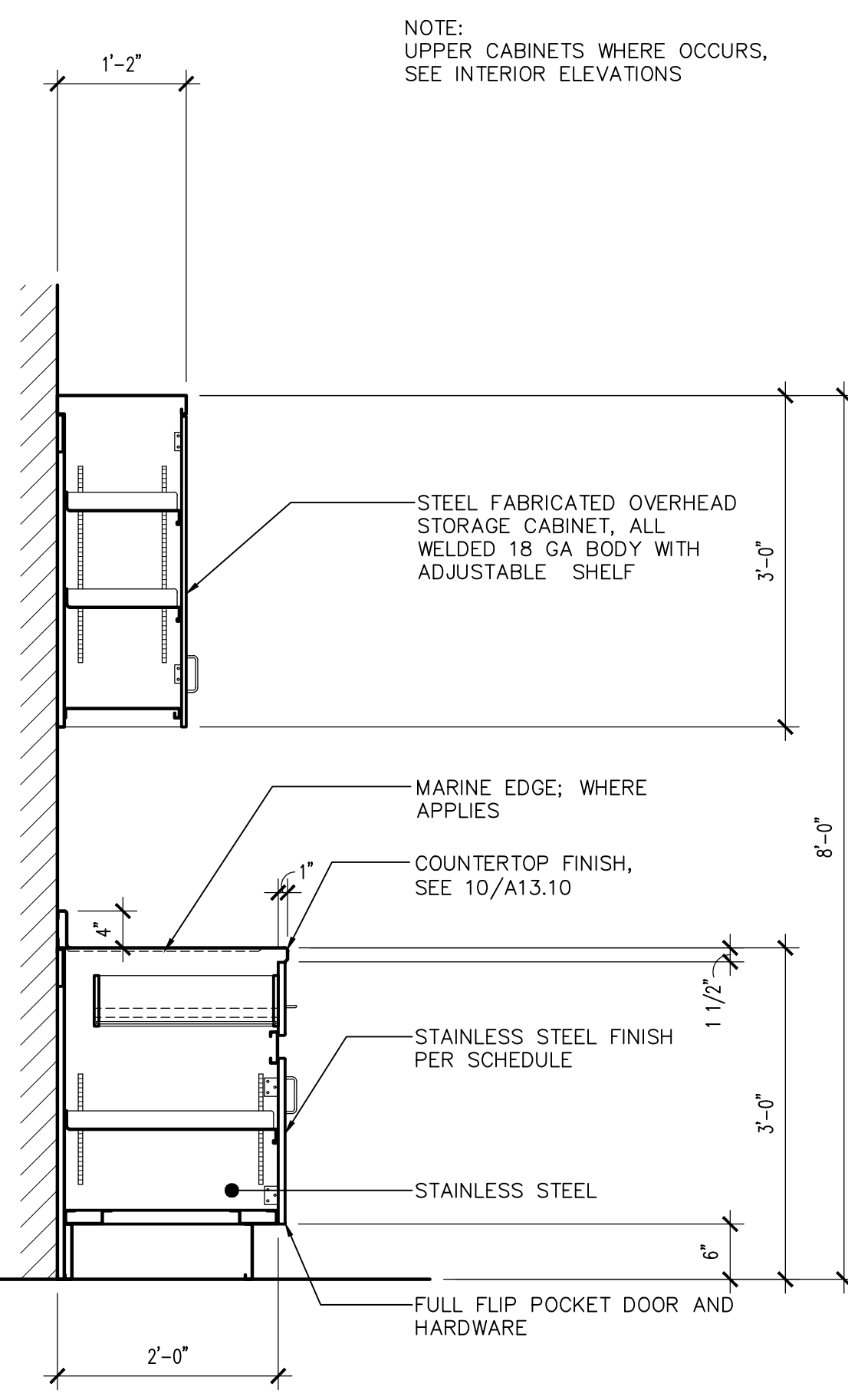
4 MEDIA CENTER
SCALE: 3/4" = 1'-0"



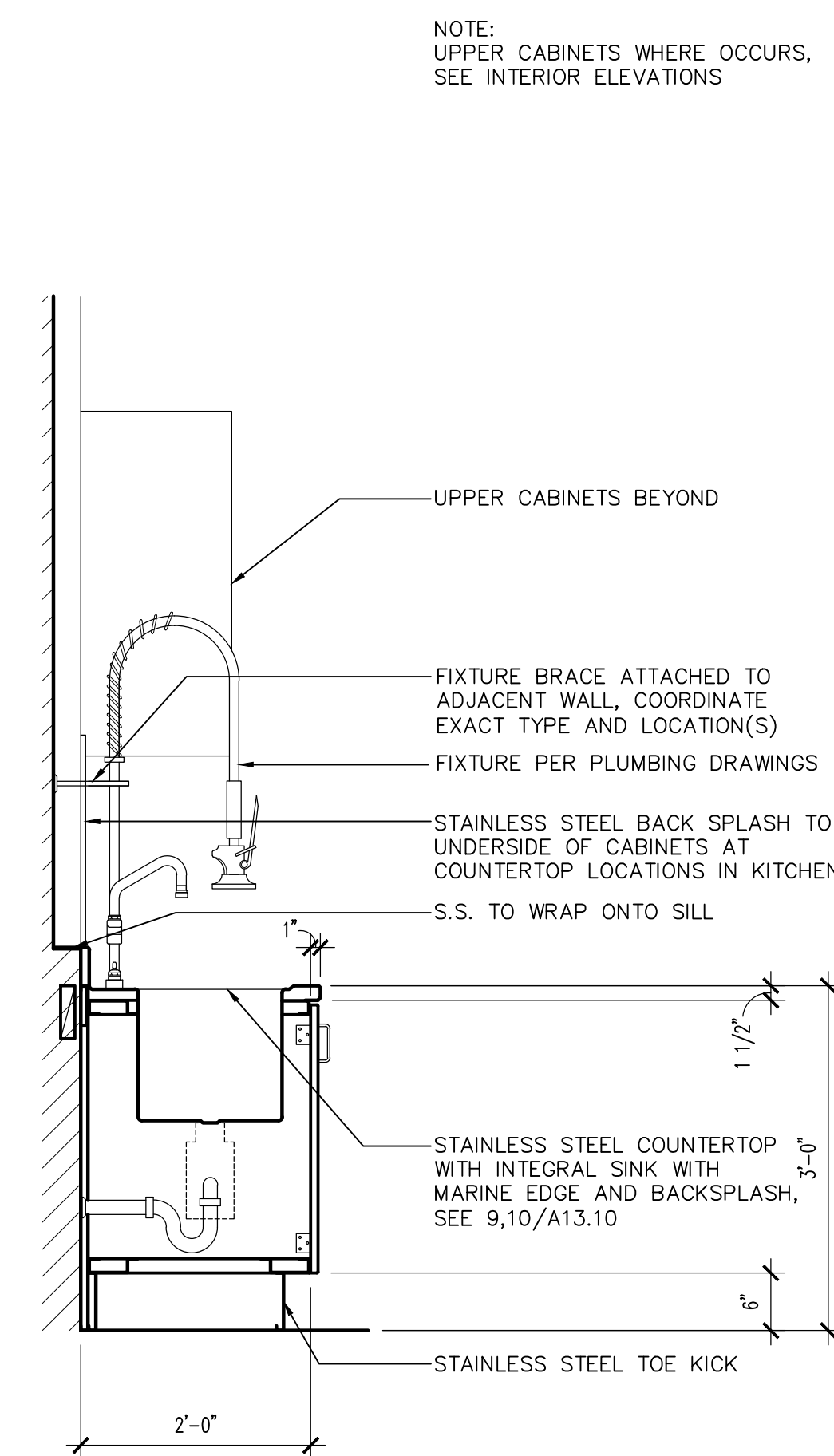
5 KITCHEN CABINETS
SCALE: 3/4" = 1'-0"



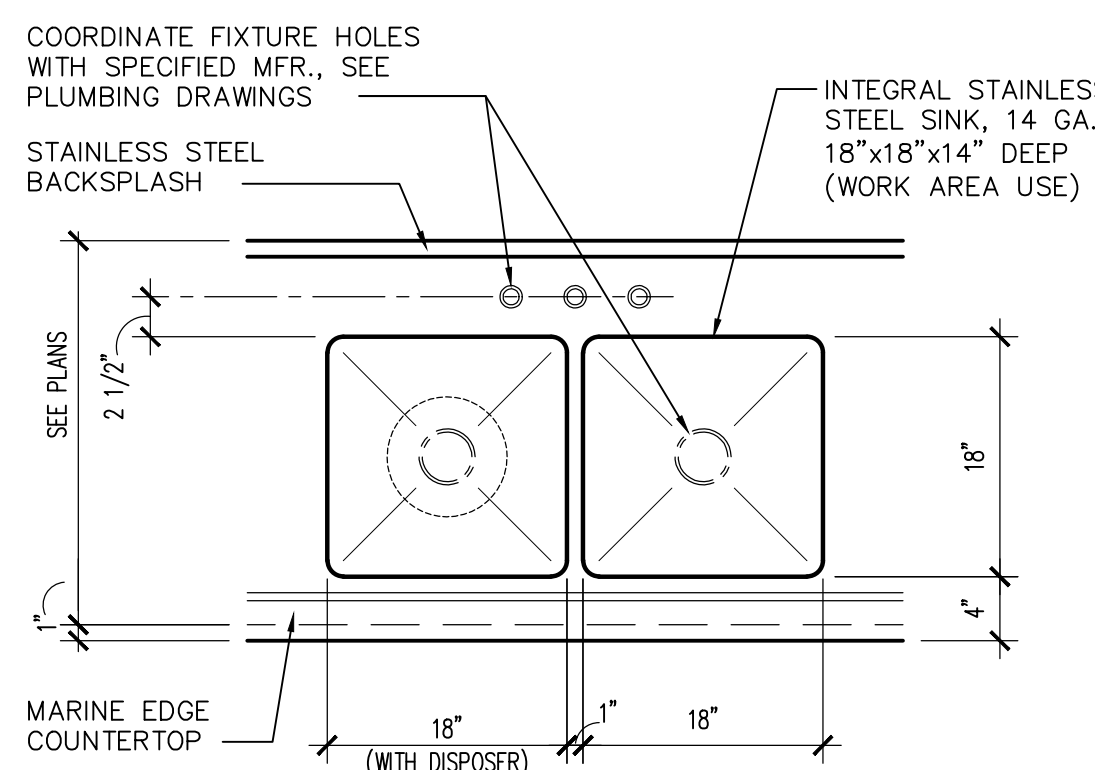
6 KITCHEN CABINETS
SCALE: 3/4" = 1'-0"



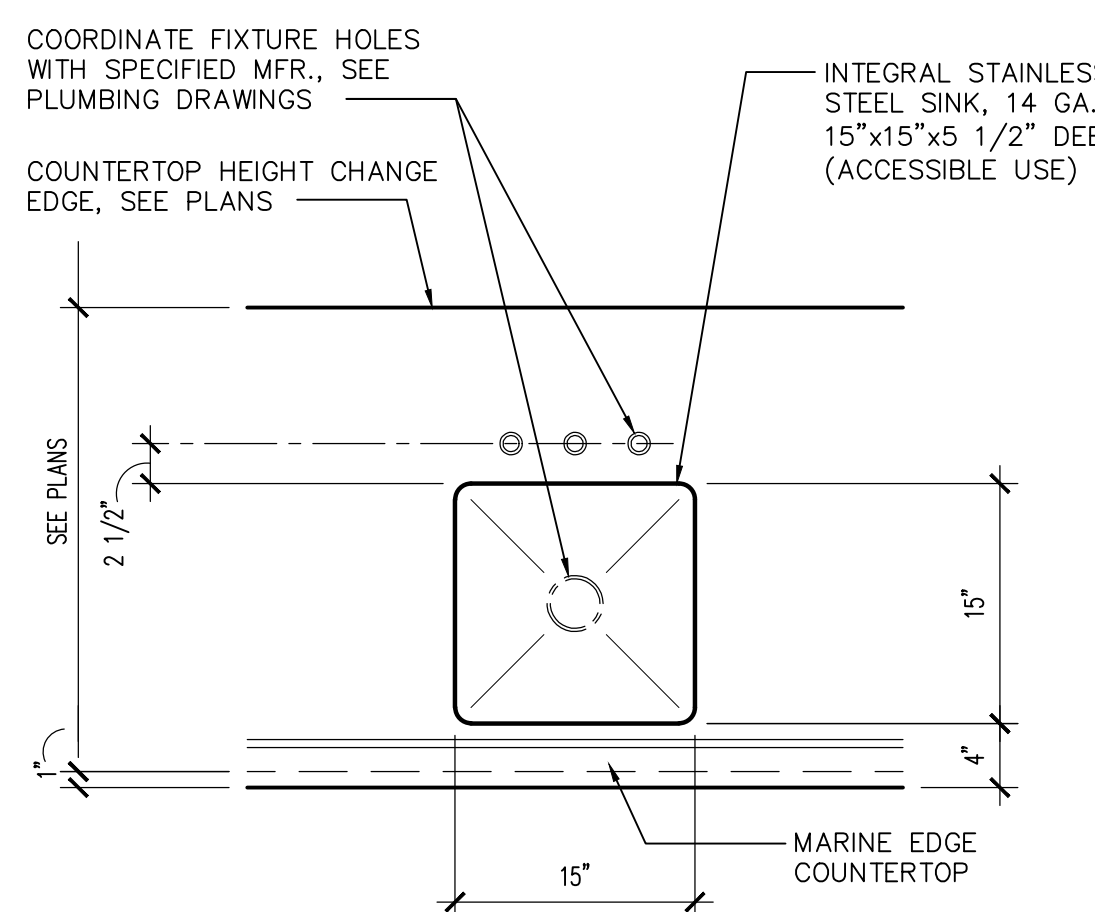
7 KITCHEN CABINETS
SCALE: 3/4" = 1'-0"



8 KITCHEN CABINETS
SCALE: 3/4" = 1'-0"

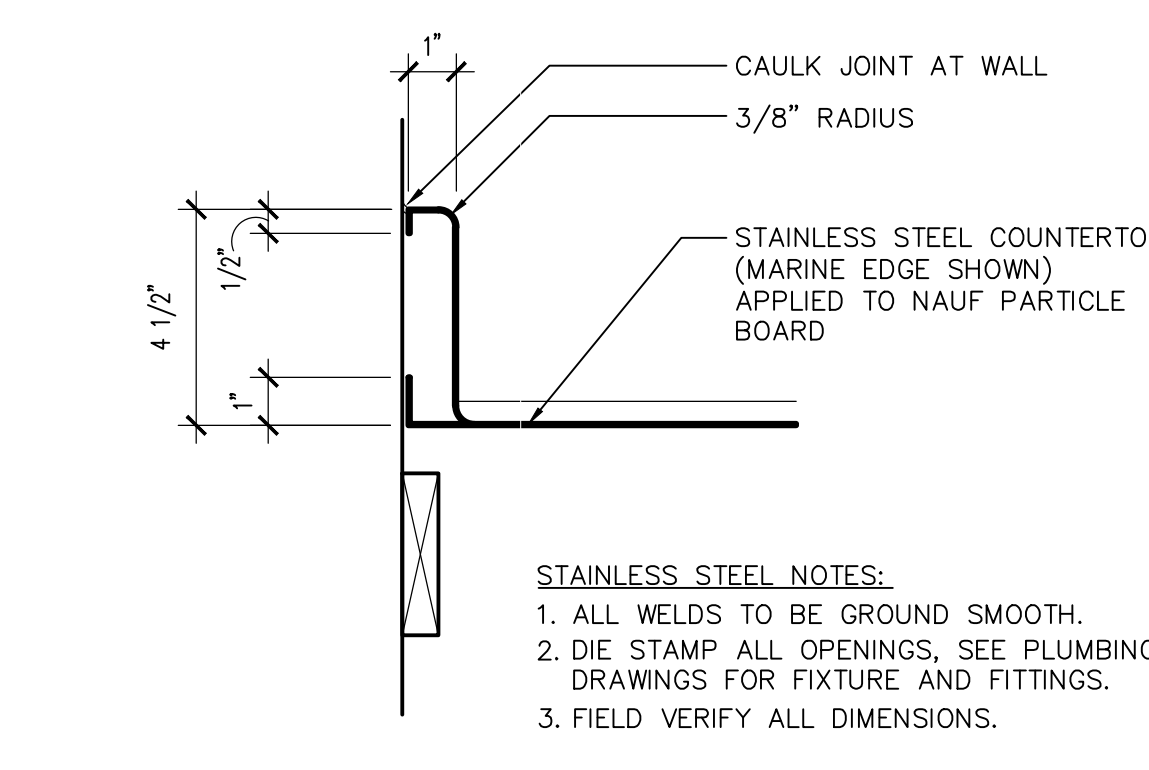


KITCHEN DBL. SINK

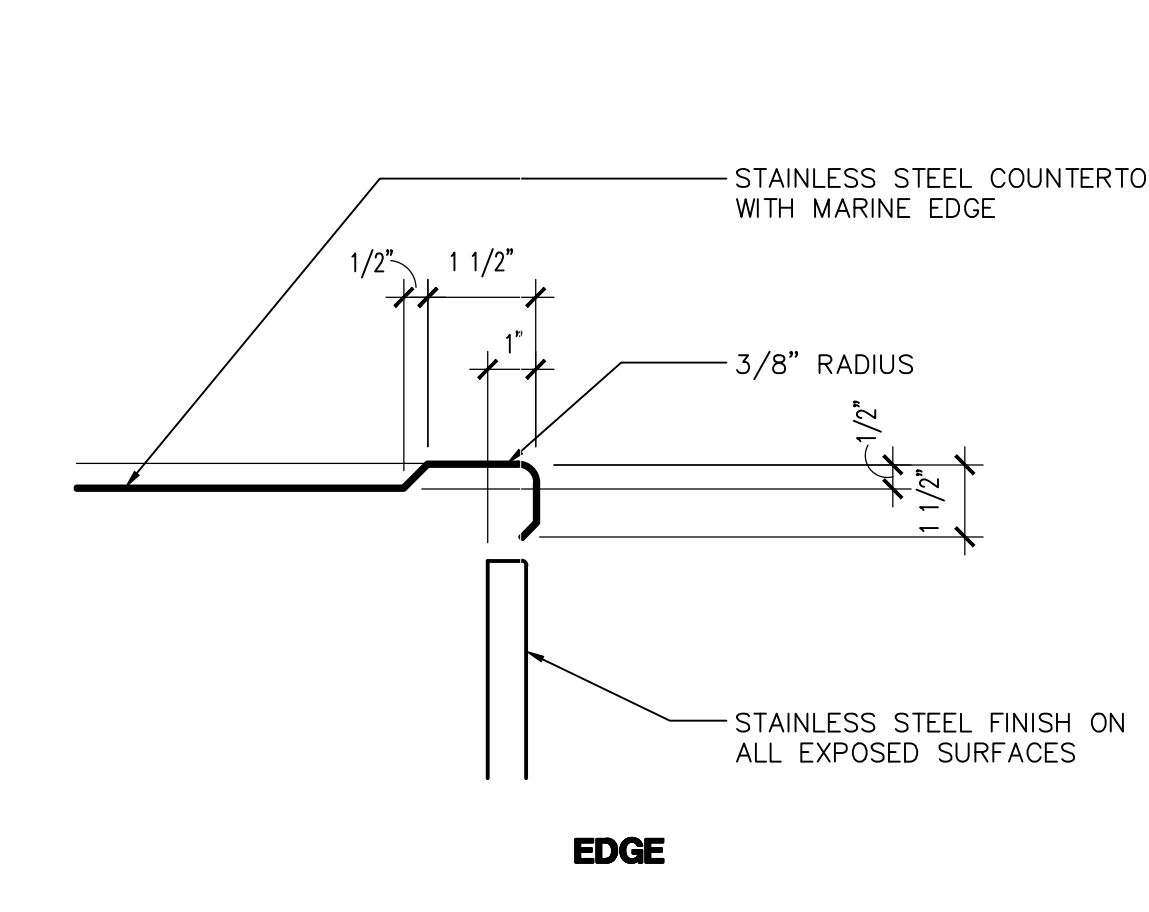


ISLAND SINK

9 STAINLESS STEEL SINKS
SCALE: 3/4" = 1'-0"



BACKSPLASH



EDGE

10 MARINE COUNTERTOP
SCALE: 3" = 1'-0"

NOTE: UPPER CABINETS WHERE OCCURS, SEE INTERIOR ELEVATIONS

NOTE: UPPER CABINETS WHERE OCCURS, SEE INTERIOR ELEVATIONS

NOTE: UPPER CABINETS WHERE OCCURS, SEE INTERIOR ELEVATIONS

NOTE: UPPER CABINETS WHERE OCCURS, SEE INTERIOR ELEVATIONS

STAINLESS STEEL NOTES:
1. ALL WELDS TO BE GROUND SMOOTH.
2. DIE STAMP ALL OPENINGS, SEE PLUMBING DRAWINGS FOR FIXTURE AND FITTINGS.
3. FIELD VERIFY ALL DIMENSIONS.

Note:
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Revisions	Date
CITY COMMENTS	5/22/24



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12/14/2023

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Title:
FIRE STATION #74
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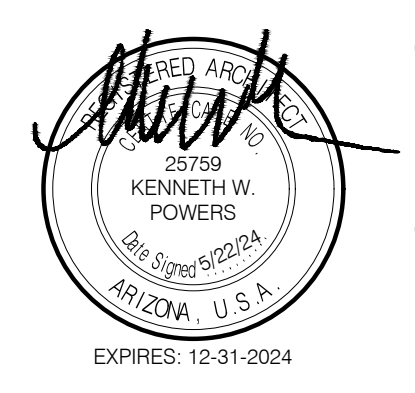


KIVA # **23-1810**
SDEV # **2300473**

MILLWORK SECTIONS
A13.10

CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

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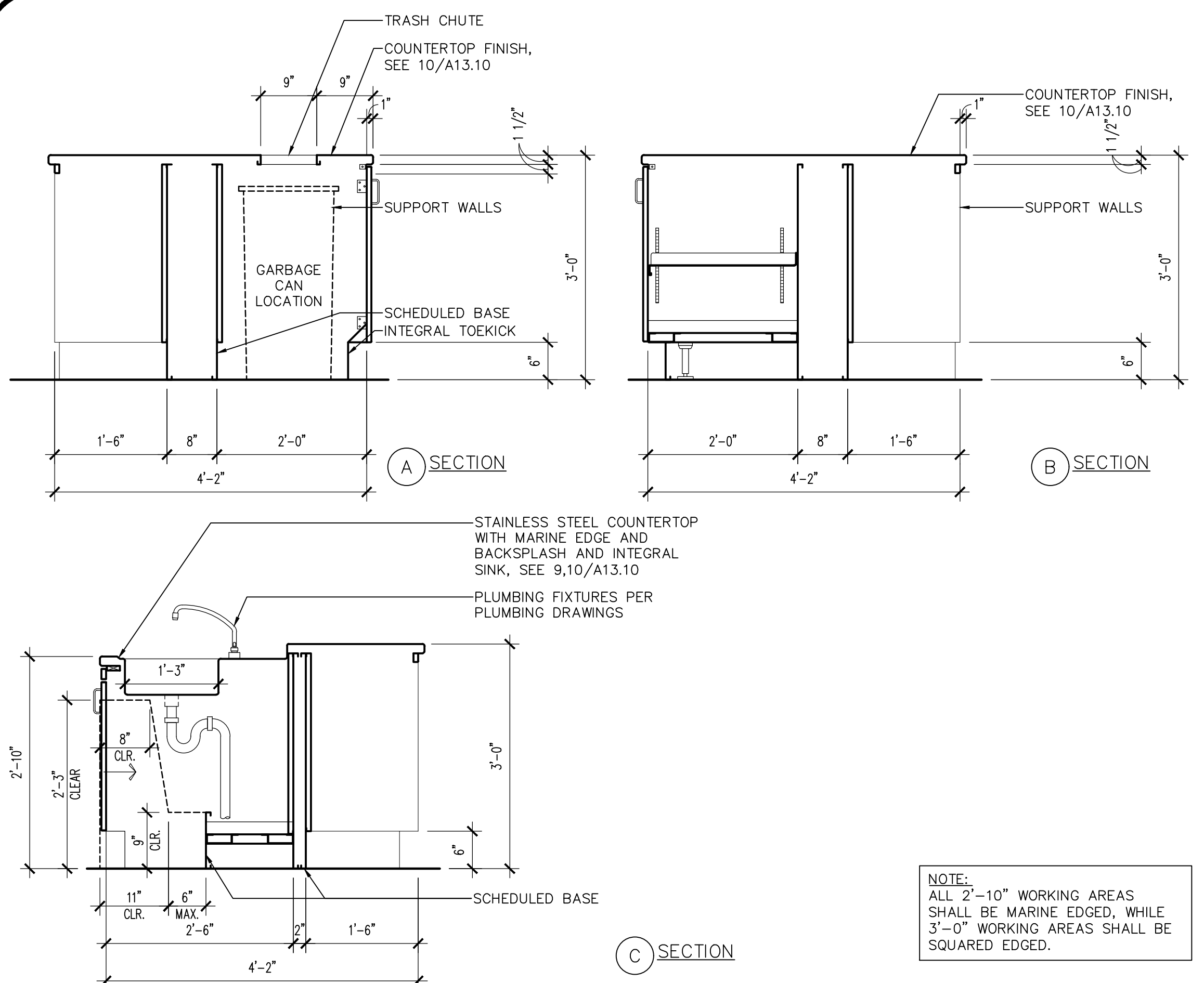
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CITY OF PHOENIX

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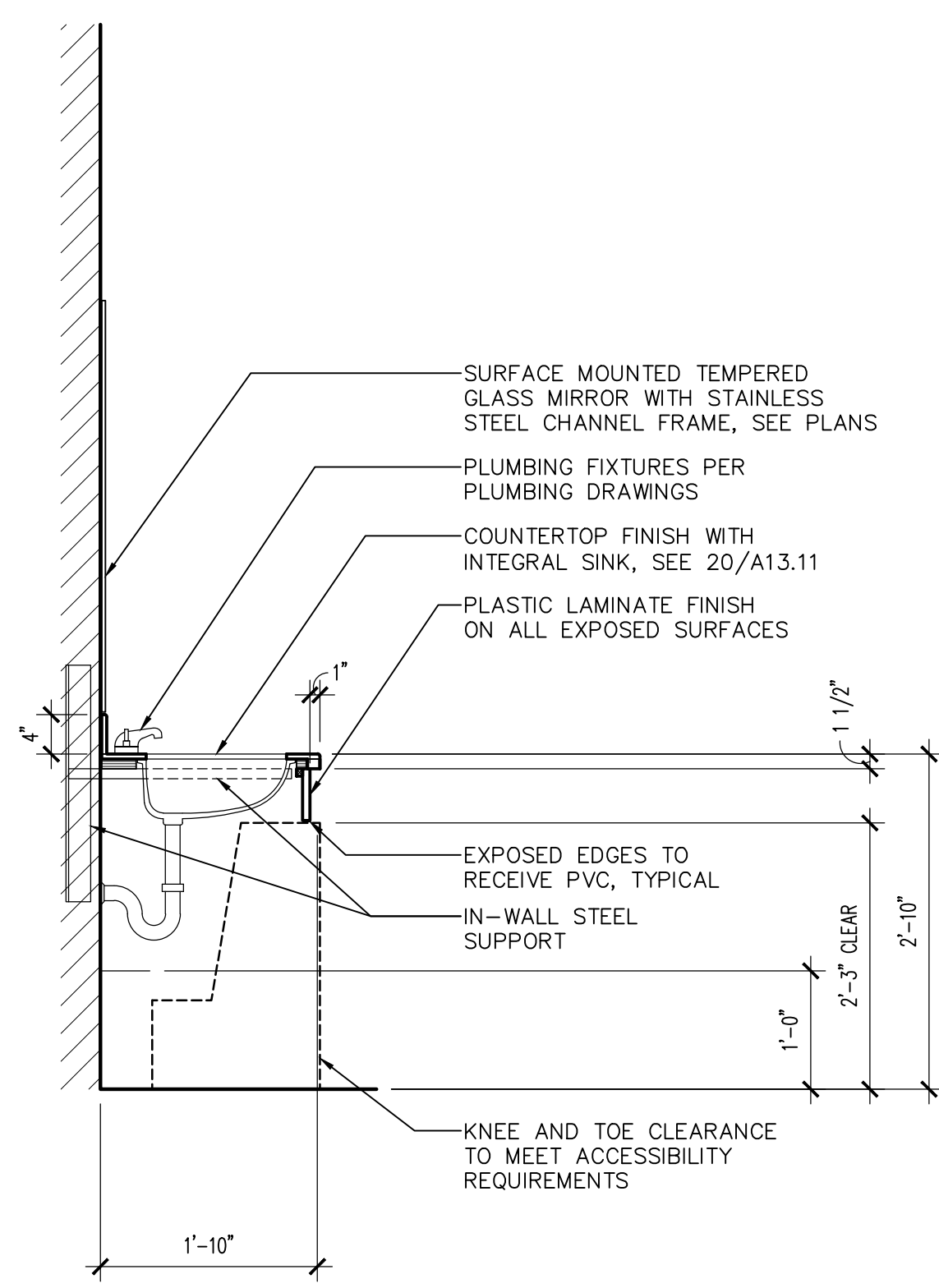
MILLWORK SECTIONS
A13.11

FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

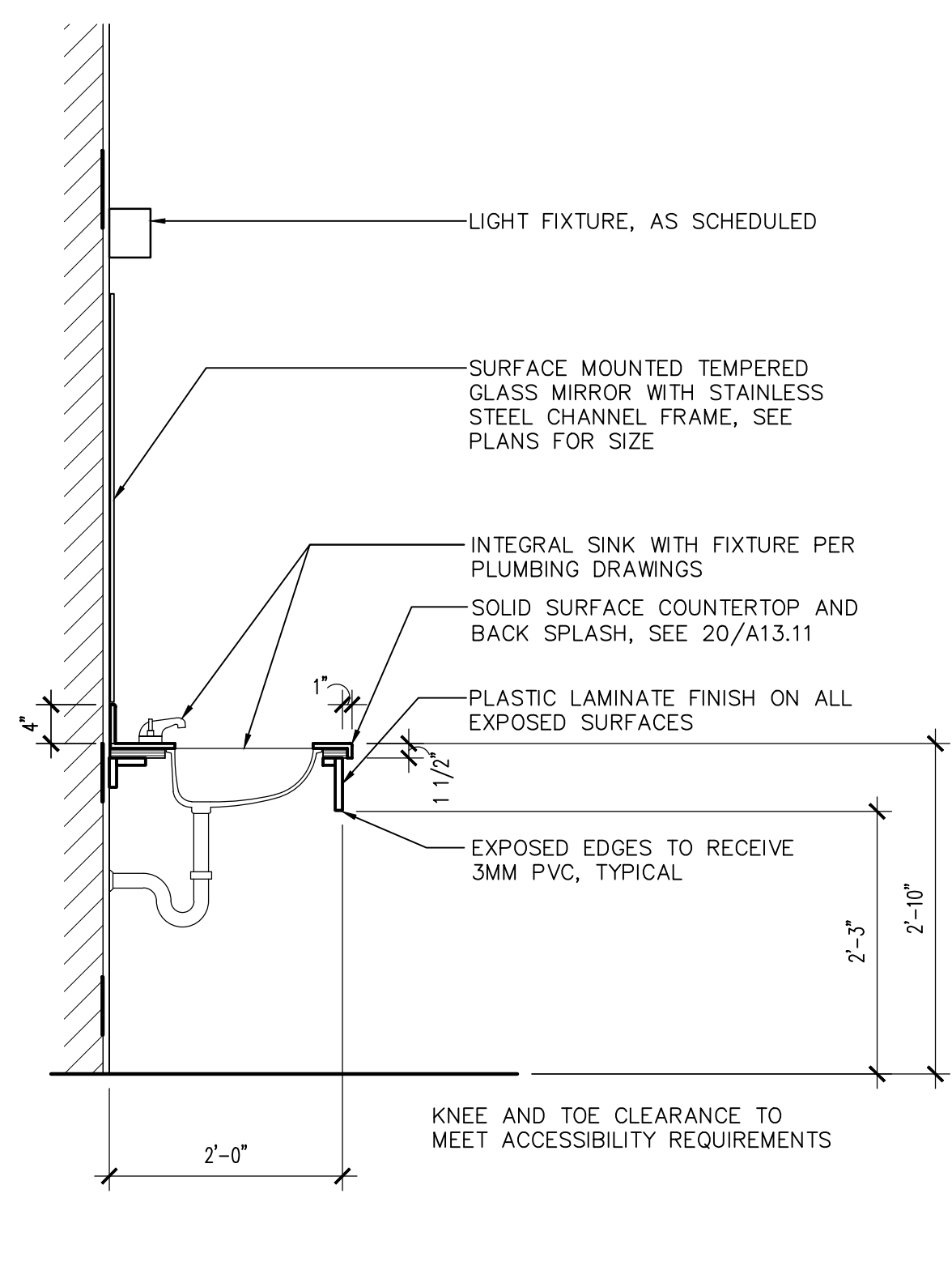


11 KITCHEN ISLAND
SCALE: 3/4" = 1'-0"

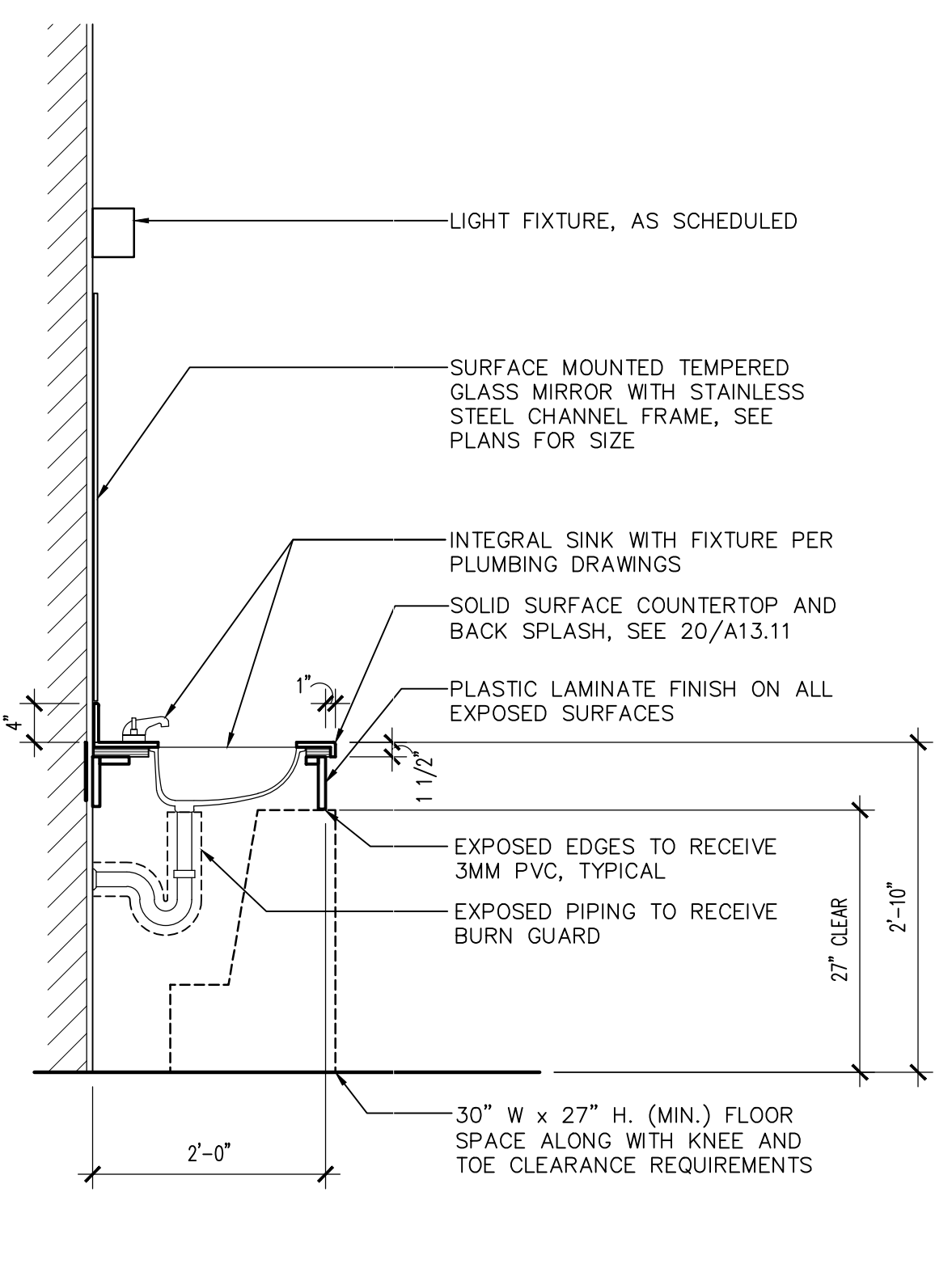
NOTE:
ALL 2'-10" WORKING AREAS SHALL BE MARINE EDGED, WHILE 3'-0" WORKING AREAS SHALL BE SQUARED EDGED.



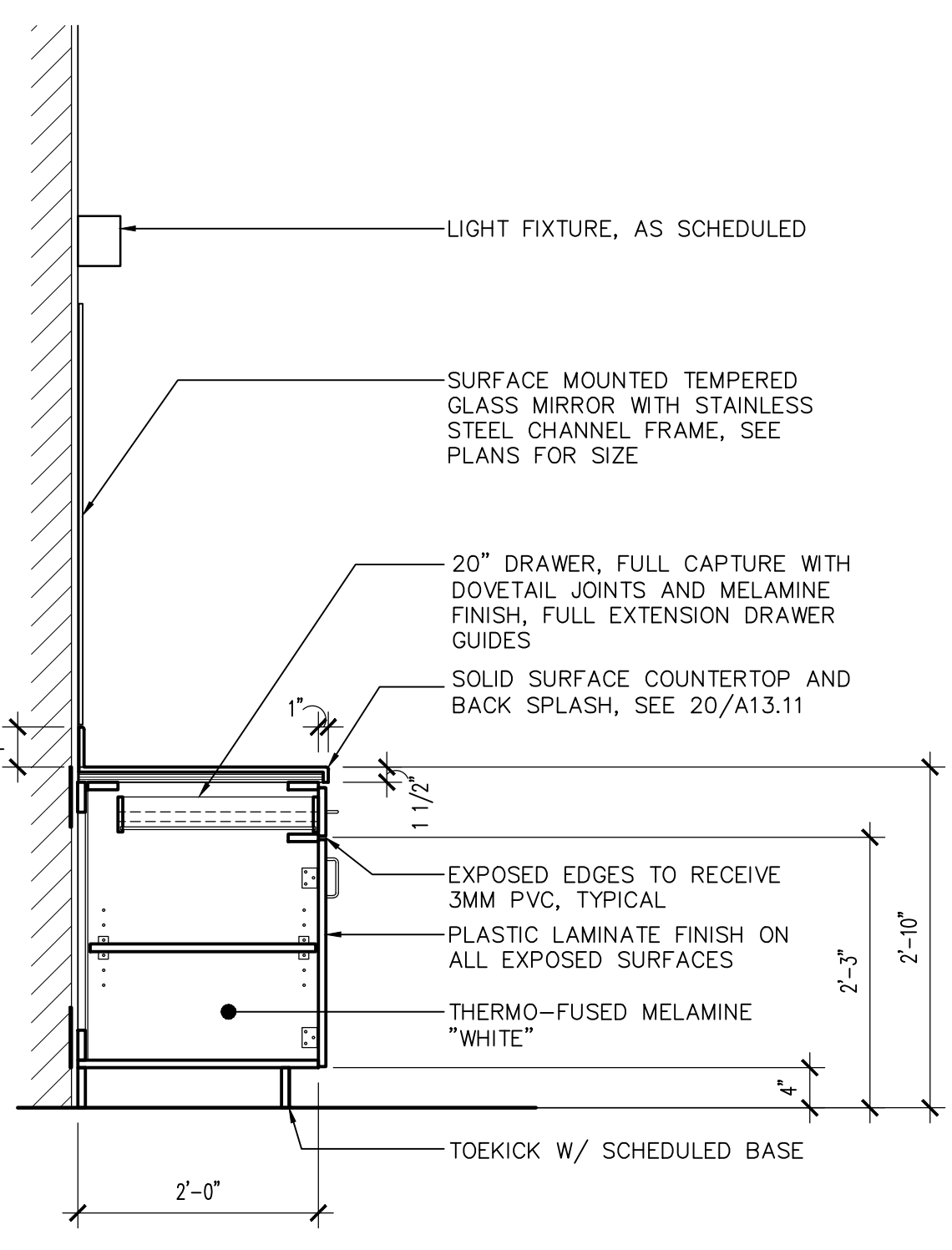
13 LAVATORY
SCALE: 3/4" = 1'-0"



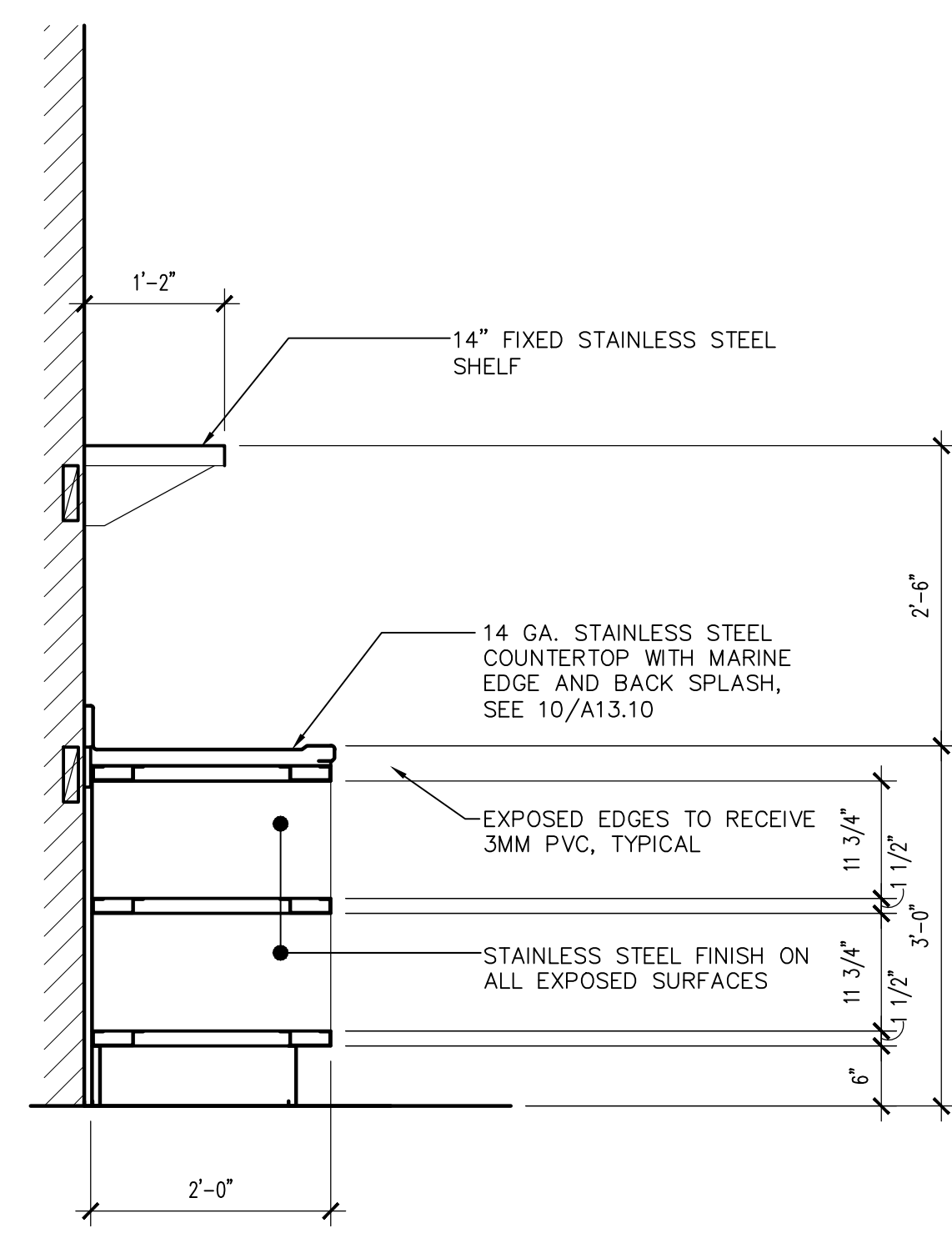
14 STANDARD VANITY
SCALE: 3/4" = 1'-0"



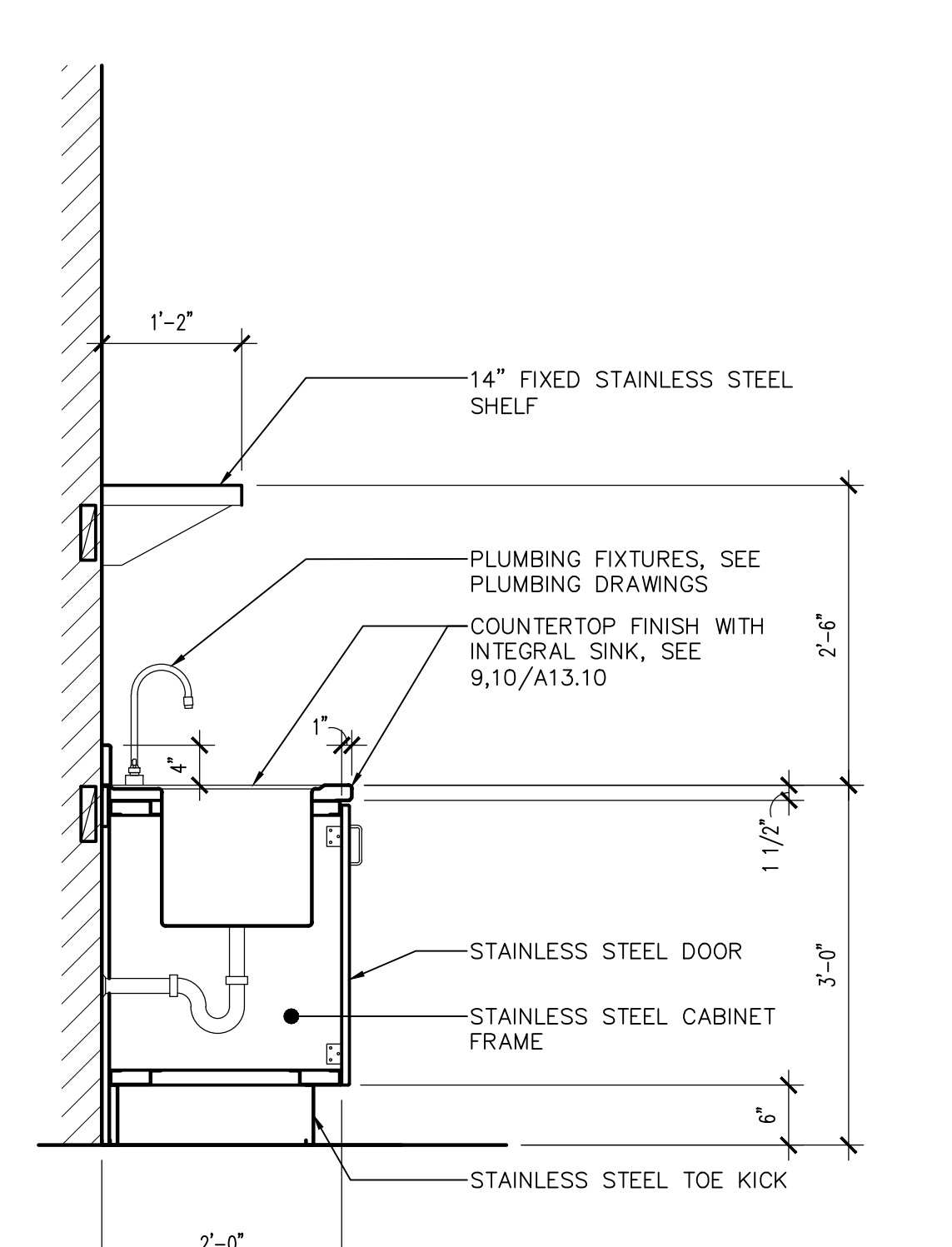
15 ACCESSIBLE VANITY
SCALE: 3/4" = 1'-0"



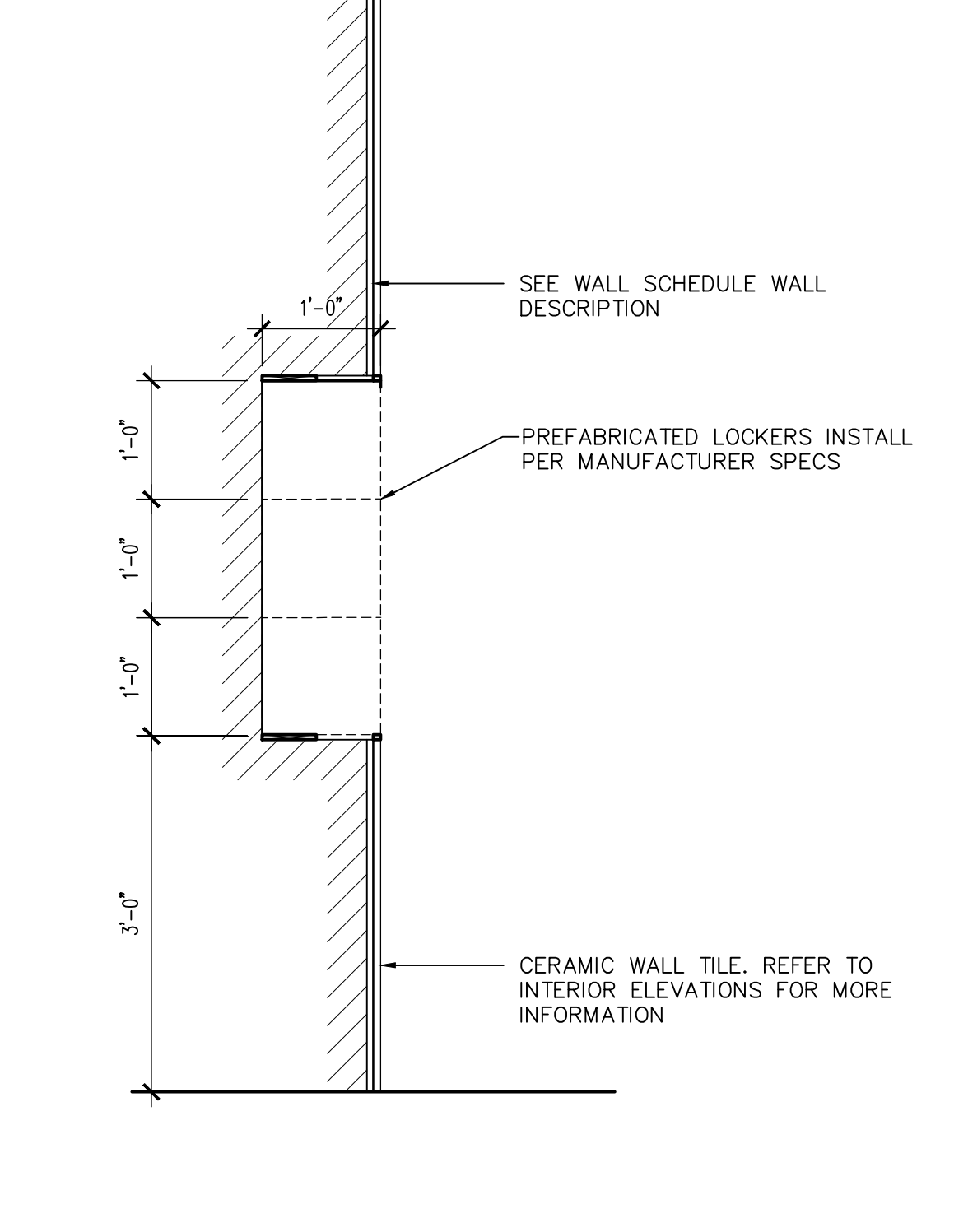
16 DRAWER BASE @ VANITY
SCALE: 3/4" = 1'-0"



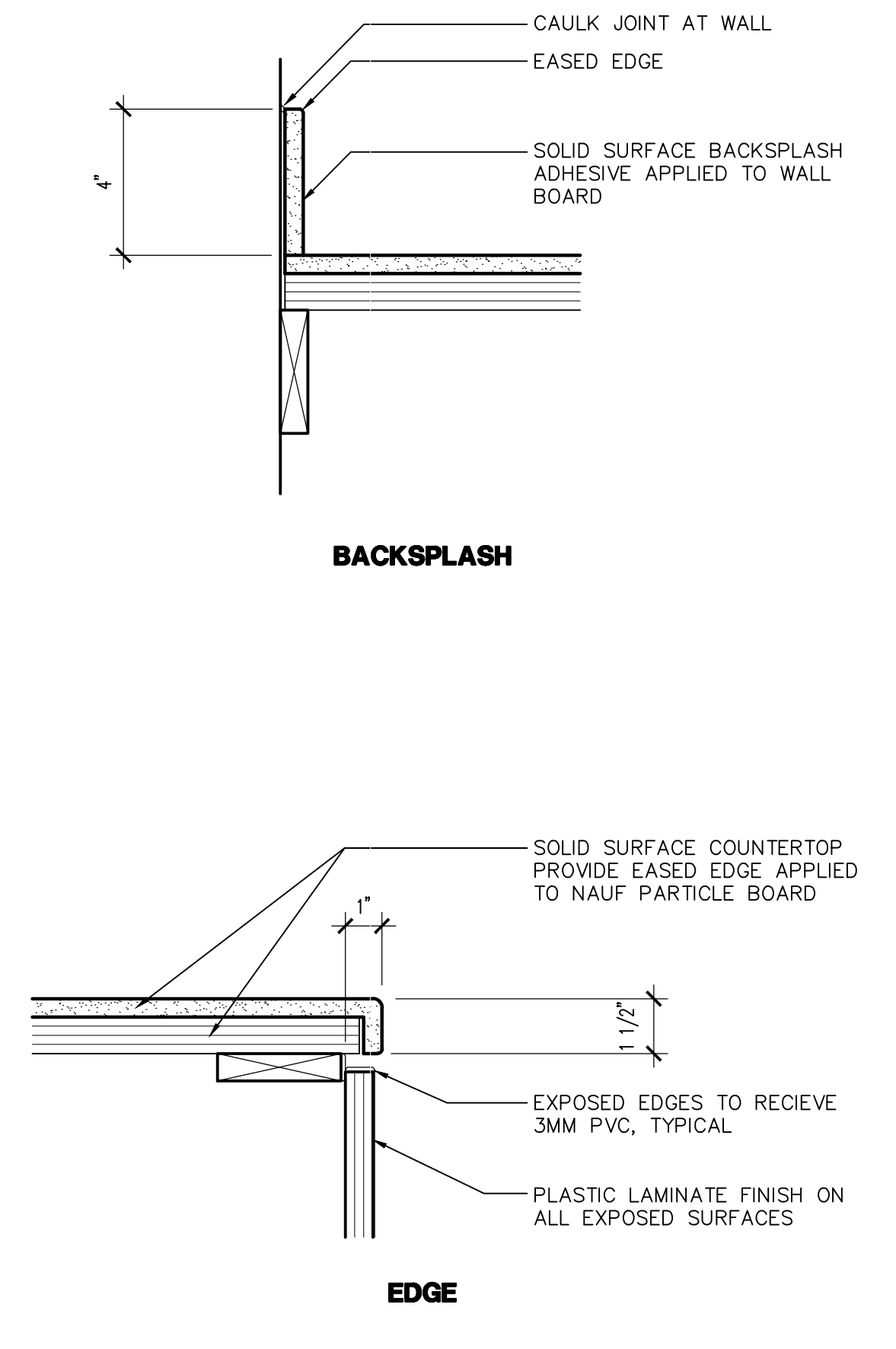
17 STORAGE CUBICLES
SCALE: 3/4" = 1'-0"



18 LAUNDRY CABINET
SCALE: 3/4" = 1'-0"



19 STORAGE LOCKERS
SCALE: 3/4" = 1'-0"



20 SOLID SURFACE
SCALE: 3" = 1'-0"

Note:
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GENERAL STRUCTURAL NOTES

STATEMENT OF SPECIAL STRUCTURAL INSPECTIONS:

IN ADDITION TO THE INSPECTIONS REQUIRED BY SECTION 109 OF THE INTERNATIONAL BUILDING CODE, SPECIAL STRUCTURAL INSPECTION IS REQUIRED FOR THE WORK LISTED BELOW AS STATED IN SECTION 1704 AND 1705 OF THE INTERNATIONAL BUILDING CODE. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK/TESTING ASSIGNED FOR CONFORMANCE WITH THE APPROVED DRAWINGS AND SPECIFICATIONS.

- 1. CONCRETE CONSTRUCTION INCLUDING ICF WALLS: (REFERENCE IBC TABLE 1705.3)
* CONTINUOUSLY DURING THE TAKING OF TEST SPECIMENS AND PLACING OF ALL CONCRETE.
* VERIFY USE OF REQUIRED DESIGN STRENGTH.
2. BOLTS IN CONCRETE:
* PRIOR TO AND CONTINUOUSLY DURING THE PLACEMENT OF CONCRETE AROUND BOLTS.
3. REINFORCING STEEL: (REFERENCE IBC SECTION 1705.3 AND TABLE 1705.3)
INSPECTION OF IN PLACE REINFORCING. THE SPECIAL INSPECTOR NEED NOT BE PRESENT CONTINUOUSLY DURING PLACEMENT OF REINFORCING STEEL PROVIDED THE SPECIAL INSPECTOR HAS INSPECTED FOR CONFORMANCE. PRIOR TO CLOSING FORMS OR THE DELIVERY OF CONCRETE TO THE JOBSITE.
* FOR ALL CONCRETE HAVING SPECIAL STRUCTURAL INSPECTION PER ITEM 1.
* FOR SLABS ON GRADE.
* FOR CONCRETE FOOTINGS.
4. WELDING: (REFERENCE AISC 360 SECTION N, IBC TABLE 1705.2.2)
* INSPECT WELDS ACCORDING TO AWS D1.1/D1.1M.
* INSPECT FLOOR AND ROOF DECK WELDS ACCORDING TO AWS D1.3.
* INSPECT WELDING OF REINFORCING STEEL ACCORDING TO AWS D1.4 AND ACI 318-3.5.2.
* SPECIAL INSPECTION IS REQUIRED FOR ALL WELDS NOT PERFORMED IN AN APPROVED FABRICATOR'S SHOP IN ACCORDANCE WITH SECTION 1704.3.1 OF THE INTERNATIONAL BUILDING CODE.
* VERIFICATION OF THE QUALIFICATIONS OF WELDING PROCEDURES AND WELDERS.
* AN AWS CERTIFIED WELDING INSPECTOR FROM AN INDEPENDENT TESTING LABORATORY SHALL VISUALLY INSPECT ALL FIELD WELDS.
5. WELDING: (COMPLETE JOINT PENETRATION (CJP)) (AISC 360 SECTION N, IBC TABLE 1705.2.2)
* AN INDEPENDENT TESTING LABORATORY SHALL PERFORM ULTRASONIC TESTING OF 10% OF CJP CONNECTIONS IN MATERIAL 5/16" OR GREATER. IN CATEGORY II AND IV STRUCTURES, ALL CJP CONNECTIONS SHALL BE SUBJECTED TO ULTRASONIC TESTING.
6. STRUCTURAL MASONRY AND ICF WALLS: (REFERENCE ACI 530)
* CONTINUOUSLY DURING PREPARATION AND TAKING OF ANY REQUIRED PRISMS OR TEST SPECIMENS.
* PERIODIC INSPECTION OF ALL IN-PLACE REINFORCING AND GROUT SPACE PRIOR TO THE DELIVERY OF GROUT TO THE JOBSITE.
* CONTINUOUS INSPECTION DURING ALL GROUTING OPERATIONS.
* PRIOR TO CLOSING ALL CLEANOUTS.
* VERIFY TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.
7. EXPANSION AND EPOXY (ADHESIVE) ANCHORS: CONTINUOUS DURING THE PLACEMENT OF ALL ANCHORS.
* ALL HOLES MUST BE DRILLED PRIOR TO SPECIAL INSPECTORS ARRIVAL ON SITE.
* INSPECTOR TO VERIFY CORRECT DIAMETER AND DEPTH OF ALL HOLES AS WELL AS CORRECT ANCHOR TYPE, NUMBER, AND SPACING OF ALL ANCHORS AND THE EPOXY (ADHESIVE) TYPE.
* INSPECTOR TO OBSERVE BRUSHING AND CLEANING OF ALL HOLES WITH COMPRESSED AIR PER MANUFACTURERS REQUIREMENTS.
8. WOOD: (REFERENCE IBC TABLE 1705.5)
* INSPECT ALL PLYWOOD NAILING, STRAPS AND HOLDOWN INSTALLATIONS.
9. EXCAVATION, GRADING AND FILL BY SOILS ENGINEER (REFERENCE TABLE 1705.6)
* SOILS ENGINEER SHALL PROVIDE OBSERVATION AND TESTING SERVICES DURING THE GRADING AND FOUNDATION PHASE OF CONSTRUCTION. INSPECTION AND TESTING REPORTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND SIMPLY STRUCTURAL INC.

GENERAL NOTES:

- 1. THE STRUCTURAL CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING AND THE CONSTRUCTION SITE. THE CONTRACTOR SHALL USE ADEQUATE SHORING, BRACING, AND GUYS IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL SAFETY ORDINANCES. THE STRUCTURAL ENGINEER OF RECORD SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES FOR PROCEDURE OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INCIDENT THERETO (NOR SHALL OBSERVATION VISITS TO THE SITE INCLUDE OR IMPLY INSPECTION OF THESE ITEMS).
2. WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDA. ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF A REGISTERED ENGINEER RECOGNIZED BY THE BUILDING CODE JURISDICTION OF THIS PROJECT.
3. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH THE ARCHITECT. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL ITEMS WITH APPROPRIATE TRADE DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.
5. TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON PLANS, BUT APPLY UNLESS NOTED OTHERWISE.
6. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION, LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.
7. OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF AN OPTION IS CHOSEN, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES, APPROVALS AND THE COORDINATION OF THE WORK WITH ALL RELATED TRADES AND SUPPLIERS.

SPECIAL STRUCTURAL INSPECTION NOTES:

- 1. CONTACT SIMPLY STRUCTURAL INC. PRIOR TO THE START OF CONSTRUCTION FOR ADDITIONAL INFORMATION AS REQUIRED.
2. THE SPECIAL INSPECTION AGENCY SHALL BE ESTABLISHED PRIOR TO START OF CONSTRUCTION PER IBC SECTION 1704.2.3
3. SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ENGINEER OR ARCHITECT OF RECORD, AND OTHER DESIGNATED PERSONS AT A MINIMUM OF ONCE PER WEEK.
4. THE SPECIAL INSPECTOR'S DAILY LOGS/REPORT SHALL BE MAINTAINED ON SITE BY THE PROJECT SUPERINTENDENT FOR USE AND REFERENCE BY T.O.G. INSPECTION STAFF.
5. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR THEN, IF UNCORRECTED, THE PROPER DESIGN AUTHORITY AND THE BUILDING OFFICIAL. THE SPECIAL INSPECTOR IS NOT AUTHORIZED TO APPROVE DEVIATIONS FROM THE DESIGN DRAWINGS OR SPECIFICATIONS.
6. CONTRACTOR SHALL PROVIDE THE SPECIAL INSPECTOR SAFE ACCESS TO ALL ITEMS REQUIRING SPECIAL INSPECTION. ACCESS SHALL BE PROVIDED VIA IN-PLACE LADDERS, SCAFFOLDING, AND/OR CONTRACTOR OPERATED LIFTS AS REQUIRED FOR SAFE OBSERVATION. SPECIAL INSPECTIONS SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF A STATE LICENSED STRUCTURAL ENGINEER, WHO IS FAMILIAR WITH THE STRUCTURAL DESIGN OF THIS PROJECT. THE SUPERVISING STRUCTURAL ENGINEER SHALL SEAL THE SPECIAL INSPECTION CERTIFICATE.
7. THE SPECIAL INSPECTION AGENCY SHALL SUBMIT A FINALIZED CERTIFICATE OF SPECIAL INSPECTION THAT HAS BEEN SIGNED/EXECUTED BY THE SPECIAL INSPECTION AGENCY/STRUCTURAL ENGINEER OF RECORD. THE SIGNED CERTIFICATE SHALL STATE THAT THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE BUILDING CODE.

SPECIAL GEOTECHNICAL INSPECTION:

- 1. EXCAVATION, GRADING AND FILL BY SOILS ENGINEER (REFERENCE TABLE 1705.6). SOILS ENGINEER SHALL PROVIDE OBSERVATION AND TESTING SERVICES DURING THE GRADING AND FOUNDATION PHASE OF CONSTRUCTION. INSPECTION AND TESTING REPORTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND SIMPLY STRUCTURAL INC.

STANDARD ABBREVIATIONS

Table with 2 columns listing abbreviations and their full names. Includes terms like A.B. ANCHOR BOLT, INFO. INFORMATION, etc.

STRUCTURAL OBSERVATIONS:

- 1. STRUCTURAL OBSERVATIONS SHALL BE MADE IN ACCORDANCE WITH SECTION 1704.5 OF THE IBC. THESE OBSERVATIONS SHALL BE COMPLETED, AS NECESSARY, TO VERIFY THAT THE STRUCTURAL ELEMENTS AND SYSTEMS GENERALLY CONFORM TO THE APPROVED PLANS AND SPECIFICATIONS AND AT SIGNIFICANT STAGES. THESE OBSERVATIONS IN NO WAY CONSTITUTE AN OFFICIAL SPECIAL INSPECTION NOR DOES IT ALLEVIATE THE RESPONSIBILITIES OF THE SPECIAL INSPECTOR.
2. THE OWNER SHALL EMPLOY THE ENGINEER OF RECORD OR ANOTHER ENGINEER DESIGNATED BY THE ENGINEER OF RECORD TO PERFORM STRUCTURAL OBSERVATIONS AS DEFINED IN SECTION 1702. THE STRUCTURAL OBSERVER SHALL PREPARE REPORTS FROM EACH VISIT NOTING WHAT WAS OBSERVED AND ANY DEFICIENCIES DISCOVERED DURING SUCH VISIT. THESE REPORTS SHALL BE SEALED BY THE RESPONSIBLE ENGINEER IN CHARGE AND SUBMITTED TO THE BUILDING OFFICIAL, CONTRACTOR, ARCHITECT AND ENGINEER OF RECORD IN A TIMELY MANNER TO ALLOW SUFFICIENT TIME FOR CORRECTIONS TO BE MADE IF NEEDED.
3. THE RESPONSIBILITY FOR SCHEDULING THE OBSERVATIONS RESTS WITH THE CONTRACTOR. THE CONTRACTOR SHALL SCHEDULE THE STRUCTURAL OBSERVATIONS A MINIMUM OF 2 DAYS PRIOR TO ARRIVAL ON THE SITE.
4. THE STRUCTURAL OBSERVER SHALL PERFORM VISITS AT CRITICAL STAGES DURING CONSTRUCTION. THESE STEPS WILL AID THE WORK IN PROGRESS AND WILL ALLOW TIME FOR CORRECTIONS TO DEFICIENCIES. THESE STAGES ARE AS FOLLOWS:
A. AFTER REINFORCING FOR FOOTINGS ARE PLACED AND PRIOR TO CONCRETE PLACEMENT. VERIFICATION OF BUILDING AND SITE LAYOUT, EXISTING CONSTRUCTION, REINFORCING AND SOIL RETAINING CONDITIONS PRESENT THAT SHOWN ON DRAWINGS AND SPECIFICATIONS.
B. PERIODIC DURING ICF MASONRY WALLS AND FRAMING AND SPECIAL FRAMING CONDITIONS NOTED ON PLANS. THIS SHALL INCLUDE VERIFICATION THAT ALL WOOD MEETS MOISTURE CONTENT LIMITATIONS PER THE CONSTRUCTION DOCUMENTS.
C. ANY AREAS DISCOVERED TO BE A CONCERN ON SITE DURING EACH CONSTRUCTION PHASE.
5. AT THE COMPLETION OF THE PROJECT THE OBSERVER RESPONSIBLE FOR THE STRUCTURAL OBSERVATIONS SHALL ISSUE A SEALED LETTER STATING THAT TO THE BEST OF THEIR KNOWLEDGE THE PROJECT WAS GENERALLY CONSTRUCTED TO THE CITY APPROVED DOCUMENTS WHICH INCLUDES ALL CHANGES AND/OR ALTERATION THAT OCCURRED DURING CONSTRUCTION.

Revisions table with columns for Revisions and Date. Entry 1: CITY COMMENTS, 3/11/24.



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Drawn By: KAF
Checked By: DGS
Date: 12/14/2023
Phase: PERMIT

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FOUNDATION SCHEDULES

FOOTING SCHEDULE (F_)

NOTES:
 1. CONCRETE FOOTING.
 2. REINFORCING.
 3. TOP REINFORCING IF SPECIFIED.
 4. TRANSVERSE REINFORCING IF SPECIFIED.
 5. CENTER FOOTING UNDER WALL U.N.O.
 6. T.O.F. = -2'-0" MINIMUM.

MARK	SIZE	THICKNESS	REINFORCING	NOTES
F1	3'-0"x3'-0"	10"	4 #5 EACH WAY	---
F2	3'-0"x3'-0"	12"	4 #5 EACH WAY	---
F3	3'-8"x3'-8"	12"	4 #5 EACH WAY	---
F4	4'-6"x4'-6"	12"	5 #5 EACH WAY	---

COLUMN SCHEDULE (C_)

NOTE:
1. AESS FINISH.

MARK	SIZE	BASE CONNECTION	NOTES
C1	HSS 8x8x3/16	SEE DETAIL 116	(1)
C2	HSS 4x4x3/16	1/2x10x0'-10" STEEL BASE PLATE WITH (4) 3/4" DIA ANCHOR BOLTS	---
C3	HSS 5x5x3/16	5/8x11x0'-11" STEEL BASE PLATE WITH (4) 3/4" DIA ANCHOR BOLTS	---
C4	HSS 5x5x1/4	5/8x11x0'-11" STEEL BASE PLATE WITH (4) 3/4" DIA ANCHOR BOLTS	---

WALL FOOTING SCHEDULE (WF_)

NOTES:
 1. CONCRETE FOOTING.
 2. REINFORCING.
 3. TOP REINFORCING IF SPECIFIED.
 4. TRANSVERSE REINFORCING IF SPECIFIED.
 5. CENTER FOOTING UNDER WALL U.N.O.
 6. T.O.F. = 2'-0" MINIMUM.

MARK	WIDTH	THICKNESS *t*	REINFORCING		NOTES
			CONTINUOUS	TRANSVERSE	
WF1	2'-0"	10"	2 #5	---	---
WF2	1'-4"	10"	2 #5	---	---
WF3	2'-8"	10"	3 #5	#5 AT 24" O.C.	---
WF4	4'-0"	16"	5 #5	#5 AT 12" O.C.	---
WF5	1'-8"	10"	2 #5	---	---
WF6	3'-4"	12"	4 #5	#5 AT 16" O.C.	---

MASONRY COLUMN SCHEDULE (MC_)

NOTES:
 1. PLAN VIEW.
 2. EXTEND COLUMN FROM FOOTING TO TOP OF WALL.
 3. SOLID GROUT ALL CELLS.
 4. VERTICAL REINFORCING - TYPICAL EACH CELL.
 5. WALL CONTIGUES WHERE OCCURS.
 6. TIES x = [diagram].
 7. TIES x = [diagram].

MARK	SIZE	VERTS	TIES	NOTES
MC1	16"x24"	6 #6	#3 AT 8" O.C.	SEE DETAIL 108
MC2	16"x56"	12 #6	#3 AT 8" O.C.	SEE DETAIL 108

CFS STUD SHEAR WALL SCHEDULE (SW_)

MARK	MATERIAL AND ATTACHMENT	SILL PLATE ATTACHMENT	MAX DESIGN SHEAR (ASD) (PLF)	NOTES
		AT ROOF FRAMING		
SW6	1/2" BLOCKED PLYWOOD/OSB SHEATHING WITH #10 SCREWS AT 6" O.C. AT EDGES & 12" O.C. FIELD	#10 SCREWS AT 6" O.C.	330	---

FOOTNOTES:
 (1) CAST-IN-PLACE ANCHOR BOLTS MAY BE REPLACED WITH SCREW ANCHORS OR EPOXY BOLTS AT SAME DIAMETER SPACING AND EMBEDMENT - TYPICAL.
 (2) SEE PLAN FOR MINIMUM SHEAR WALL LENGTH.
 (3) SEE DETAIL 64 FOR ADDITIONAL INFORMATION.

FRAMING SCHEDULES

MASONRY LINTEL SCHEDULE (ML_)

NOTE:
1. SEE DETAIL 26 FOR ADDITIONAL INFORMATION - TYPICAL U.N.O.

MARK	TYPE	DEPTH/SIZE	REINFORCING/PLATE	NOTES
ML1	CMU X	H = 16"	2 #5 BOTTOM	(1)
ML2	CMU W	H = 48"	2 #5 TOP AND BOTTOM EACH WYTHE (8 BARS TOTAL)	(1)
ML3	CMU R	H = 16"	2 #5 BOTTOM EACH WYTHE (4 BARS TOTAL)	(1)
ML4	CMU Y	2 L3 1/2x 3 1/2x1/4	---	(1)
ML5	CMU Z	W 12x16	1/4x7 STEEL PLATE	(1)
ML6	CMU Z	W 16x26	1/4x7 STEEL PLATE	(1)
ML7	CMU V	H = 40"	2 #5 TOP AND BOTTOM - TYP EACH WALL	(1)
ML8	CMU T	H = 40"	2 #5 TOP AND BOTTOM - TYP EACH WALL	(1)
ML9	CMU P	H = 16"	2 #5 BOTTOM	(1)
ML10	CMU P	H = 32"	2 #5 BOTTOM	(1)
ML11	CMU X	H = 40"	2 #5 BOTTOM	(1)

STEEL BEAM SCHEDULE (SB_)

NOTE:
1. AESS FINISH.

MARK	SIZE	NOTES
SB1	HSS 6x4x3/16	---
SB2	HSS 16x8x1/4	(1)
SB3	HSS 4x3x1/4	---
SB4	(2) HSS 2 1/2x2 1/2x1/4	---
SB5	L 5x3x1/4 (LLV)	---

WOOD BEAM SCHEDULE (WB_)

MARK	SIZE	NOTES
WB1	5 1/8x 15 GLB (C=STD)	---
WB2	5 1/8x 21 GLB (C=0")	---
WB3	5 1/8x 24 GLB (C=STD)	---
WB4	5 1/8x 15 GLB (C=STD)	---
WB5	5 1/8x 24 GLB (C=0")	---
WB6	5 1/8x 21 GLB (C=STD)	---
WB7	5 1/4x 9 1/2 PARALLAM	---
WB8	6 3/4x 16 1/2 GLB (C=STD)	---
WB9	6 3/4x 27 GLB (C=STD)	---
WB10	3 1/2x14 LVL	---
WB11	3 1/2x16 LVL	---

BUILT-UP STEEL TRUSS SCHEDULE (ST_)

NOTE:
 1. CAMBER TRUSS 3/4" AT MIDSPAN.
 2. ELEVATION:

3. ALL MEMBERS AND CONNECTIONS SHALL HAVE AESS FINISH.

MARK	SIZE	NOTES
A	HSS 7x7x1/4	---
B	HSS 16x8x5/16	---

LEDGER SCHEDULE (L_)

NOTE:
1. WOOD LEDGER ATTACHED TO ICF AND MASONRY WALLS SHALL BE TREATED MATERIAL - TYP.

MARK	SIZE	WALL	CONNECTION	NOTES
L1	3x10	ICF	3/4" DIA ANCHOR BOLTS AT 32" O.C.	(1)
L2	3x10	ICF	3/4" DIA ANCHOR BOLTS AT 24" O.C.	(1)
L3	3x10	ICF	3/4" DIA ANCHOR BOLTS AT 32" O.C.	(1)
L4	3x12	ICF	3/4" DIA ANCHOR BOLTS AT 16" O.C.	(1)
L5	3x10	CMU	3/4" DIA ANCHOR BOLTS AT 32" O.C.	(1)
L6	3 1/2x16 LVL	CMU	3/4" DIA ANCHOR BOLTS AT 8" O.C.	(1)
L7	3x14 OR 3 1/2x14	CMU	3/4" DIA ANCHOR BOLTS AT 8" O.C.	(1)
L8	3x12	CMU	3/4" DIA ANCHOR BOLTS AT 16" O.C.	(1)

JOIST SCHEDULE (J_)

NOTES:
 1. SLOPED OR SLOPED/SKEWED U OR HU HANGER - TYP U.N.O.
 2. U OR HU JOIST HANGER - TYP U.N.O.
 3. DESIGN JOISTS FOR 12 PSF (ASD) NET WIND UPLIFT FORCES - TYP U.N.O. AT FLAT ROOF JOISTS OVER INTERIOR SPACES. SEE FRAMING PLAN FOR SPECIFIC AREAS WITH HIGHER NET WIND UPLIFT LOAD REQUIREMENTS.
 4. DESIGN JOISTS FOR 13 PSF (ASD) NET WIND UPLIFT FORCES - TYP AT SLOPED ROOFS. JOISTS OVER EXTERIOR SPACES ONLY (INCLUDING PATIOS, EAVES ANDS GABLE ENDS). NO UPLIFT WIND LOAD REQUIREMENTS WHERE SLOPED ROOF JOISTS ARE OVER INTERIOR SPACES.
 5. PROVIDE BRIDGING AT 12'-0" O.C. MAX OR AS REQUIRED BY JOIST MFR WHERE UPLIFT WIND LOADING OCCURS.

MARK	SIZE	TL/LL (PLF)	MAX SPACING	NOTES
J1	9 1/2" "I" JOIST	100/40	24" O.C.	(1)(4)(5)
J2	11 7/8" "I" JOIST	84/40	24" O.C.	(2)(3)(5)
J3	14" WOOD "I" JOIST	84/40	24" O.C.	(2)(3)(5)
J4	16" WOOD "I" JOIST	84/40	24" O.C.	(2)(3)(5)

ICF WALL LINTEL SCHEDULE (IL_)

NOTE:
1. SEE DETAIL 41 FOR ADDITIONAL INFORMATION - TYPICAL U.N.O.

MARK	TYPE	DEPTH/SIZE	REINFORCING/PLATE	NOTES
IL1	ICF	H = 16" (MIN)	2 #4 BOTTOM	---
IL2	ICF	H = 32" (MIN)	2 #4 BOTTOM	---
IL3	ICF	H = 48" (MIN)	4 #4 BOTTOM	---

Revisions	Date
△ CITY COMMENTS	3/11/24



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Drawn By:
KAF

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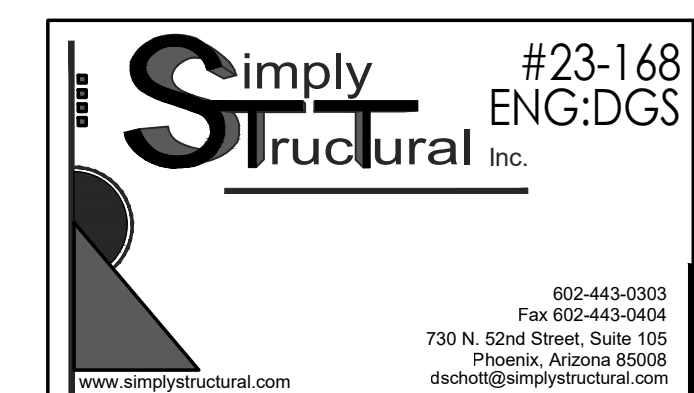
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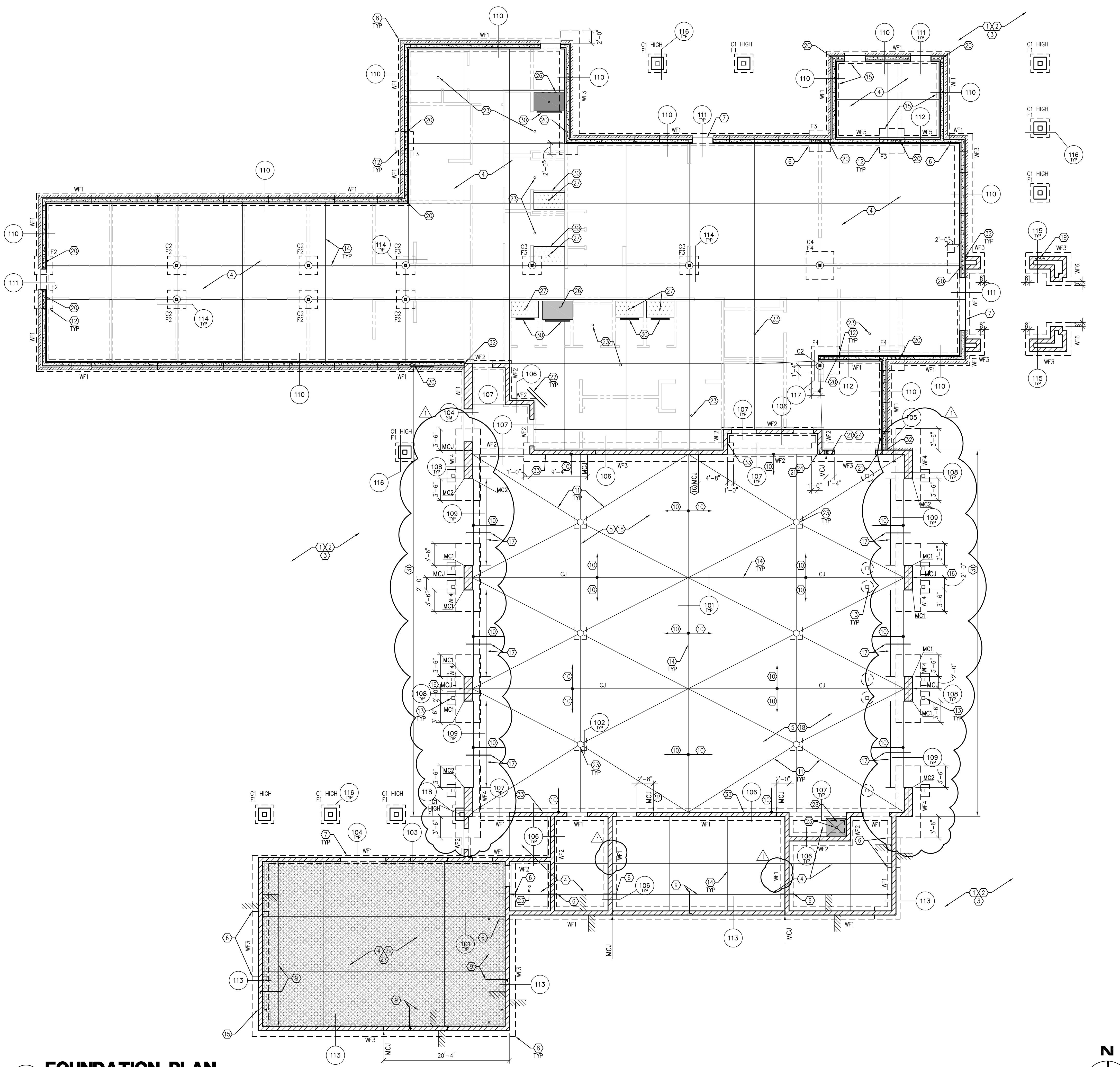
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SCHEDULES

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FOUNDATION PLAN NOTES

- SEE DETAIL 01 AND G.S.N. FOR EARTHWORK REQUIREMENTS.
- SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR LOCATIONS AND LIMITS OF SITE WORK, SIDEWALKS, CURBS, SITE WALLS, ETC.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF EXTERIOR SLAB JOINTS - TYPICAL. PROVIDE JOINTS AT 12'-0" O.C. MAXIMUM EACH WAY IN UNREINFORCED SLABS PER DETAIL 101 U.O.
- 5" CONCRETE SLAB (F'C = 4,000 PSI) OVER 4" A.B.C. - TYPICAL U.N.O. SEE ARCHITECTURAL DRAWINGS FOR FLOOR FINISH REQUIREMENTS.
- 7" CONCRETE SLAB (F'C = 4,000 PSI) OVER 6" A.B.C. REINFORCE SLAB WITH 5 LBS/CY OF MACROFIBER REINFORCING - TYPICAL AT APPARATUS BAYS. SEE ARCHITECTURAL DRAWINGS FOR FLOOR FINISH REQUIREMENTS.
- STEP FOOTINGS AS REQUIRED PER TYPICAL DETAIL 09 TO MAINTAIN BOTTOM/TOP OF FOOTING ELEVATION SHOWN - TYPICAL.
- PROVIDE 1/2" PREFORMED JOINT FILLER AT ALL LOCATIONS WHERE EXTERIOR SLABS ABUT THE BUILDING U.N.O. ON ARCHITECTURAL DRAWINGS.
- ALL HORIZONTAL REINFORCING IN FOOTINGS, STEMMWALLS AND WALLS SHALL BE CONTINUOUS AROUND ALL CORNERS AND INTERSECTIONS PER TYPICAL DETAILS.
- PROVIDE SLAB DOWELS FROM MASONRY WALL IN AREAS INDICATED PER DETAIL 113.
- SLOPE.
- WARP LINE - TYPICAL.
- EXTEND CONTINUOUS FOOTING REINFORCING INTO PAD REINFORCING AT INTERSECTIONS - TYPICAL.
- BOLLARD PER DETAIL 10 - TYPICAL. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND QUANTITY. EXTEND FOOTING PER DETAIL 10 AS REQUIRED.
- SAWCUT JOINT - TYPICAL U.N.O. CJ INDICATES SLAB CONSTRUCTION JOINT. SEE DETAIL 101.
- TOP OF FOOTING SHALL BE 2'-6" MINIMUM BELOW FINISHED FLOOR ELEVATIONS - TYPICAL AT SES AND AT ALL UNDERFLOOR ROOF DRAIN AND PLUMBING DRAIN LOCATIONS. CONTRACTOR SHALL COORDINATE ALL TOP OF FOOTING ELEVATIONS TO ALLOW ROOF DRAIN TO BE ON TOP OF FOOTING. SEE PLUMBING AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION. SEE DETAIL 4 FOR ADDITIONAL INFORMATION. STEP FOOTINGS AS REQUIRED PER DETAIL 9 TO MAINTAIN BOTTOM/TOP OF FOOTING ELEVATION.
- MCJ INDICATES MASONRY CONTROL JOINT PER DETAIL 21. VERIFY ALL MCJ LOCATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION.
- PROVIDE DOWELS PER DETAIL 109 WHERE INDICATED ON PLAN WHERE EXTERIOR CONCRETE SLABS OCCUR.
- SLOPE SLAB TO DRAIN - SEE ARCHITECTURAL AND MECHANICAL/PLUMBING DRAWINGS.
- 1 #5 VERTICAL FULL HEIGHT OF WALL IN EACH OF 3 ADJACENT CELLS, CENTERED ON BEAM/LINTEL BEARING.
- 5 #4 VERTICALS AT 8" O.C. CENTERED ON BEAM BEARING.
- 2 #4 X 4'-0" CENTERED IN SLAB AT 6" O.C. - TYPICAL AT RE-ENTRANT CORNERS AND DISCONTINUOUS SLAB JOINTS.
- FLOOR DRAIN - SEE ARCHITECTURAL AND MECHANICAL/PLUMBING DRAWINGS FOR EXACT LOCATION, SLOPE, ETC.
- PROVIDE TIES WHERE INDICATED AND WHERE REQUIRED PER DETAIL 21 - TYPICAL.
- SOLID GROUT WALL INDICATED TO ROOF ELEVATION. PROVIDE BOND BEAM BLOCK OR FULLY MORTAR ALL HEAD JOINTS.
- INDICATES 2" MIN DEPRESSIONED FLOOR SLAB - TYP AT HANDICAPPED BATHROOM SHOWER PER DETAIL 119. SEE ARCH'L DRAWINGS FOR DEPTH, SIZE AND LOCATION OF DEPRESSION FOR ADDITIONAL INFORMATION.
- INDICATES 1" MIN DEPRESSIONED FLOOR SLAB - TYP AT NON-HANDICAPPED BATHROOM SHOWER AND FITNESS ROOM PER DETAIL 119. SEE ARCH'L DRAWINGS FOR DEPTH, SIZE AND LOCATION OF DEPRESSION.
- INDICATES 4" MIN DEPRESSIONED FLOOR SLAB - TYP AT WASH BASIN PER DETAIL 119. SEE ARCH'L DRAWINGS FOR DEPTH, SIZE AND LOCATION OF DEPRESSION FOR ADDITIONAL INFORMATION.
- VAPOR BARRIER PER G.S.N. IN AREAS INDICATED - TYP AT FITNESS ROOM. SEE ARCH'L DRAWINGS FOR ADDITIONAL INFORMATION. WHERE VAPOR BARRIER OCCURS, REINFORCE SLAB WITH 5 LBS/CY OF FIBER REINFORCING.
- TRENCH DRAIN - SEE ARCHITECTURAL AND MECHANICAL/PLUMBING DRAWINGS FOR EXACT LOCATION, SLOPE, ETC.
- 16" MASONRY WALL - TYP AT APPARATUS BAY FRONT WALLS. REINFORCE WALL WITH #5 VERTICALS AT 32" O.C., #4 HORIZONTALS AT 48" O.C. AND TIES PER DETAIL 108. FULL HEIGHT OF MASONRY WALL EACH WYTHE U.N.O.
- SEE DETAIL 44 FOR ICF TO MASONRY WALL CONNECTION - TYP U.N.O. SEE ARCH'L DRAWINGS FOR ADDITIONAL INFORMATION.
- SEE ELECTRICAL AND ARCH'L DRAWINGS FOR SWITCH BOXES AND CONDUIT IN MASONRY WALLS. SEE DETAIL 23 FOR LIMITATIONS OF CONDUIT/PIPE/BOXES IN MASONRY.

NOTE: GENERAL CONTRACTOR TO SEE ARCH'L DRAWINGS FOR EXACT LOCATIONS OF CONSTRUCTION AND CONTROL JOINTS. THE GENERAL CONTRACTOR TO VERIFY THE EXACT LAYOUT PRIOR TO PLACEMENT AND CUTTING OF JOINTS. ANY DEVIATION WILL NEED PRIOR APPROVAL OF ARCHITECT.

NOTE: BOTTOM OF FOOTING ELEVATION SHALL BE 2'-0" MINIMUM BELOW LOWEST ADJACENT FINISHED GRADE OR FINISHED FLOOR ELEVATION, WHICHEVER IS LOWER - TYPICAL U.N.O. TOP OF FOOTING ELEVATION AT MASONRY AND ICF WALLS SHALL BE 1'-4" MINIMUM BELOW FINISHED FLOOR ELEVATION.

SEE DETAIL 41 FOR TYPICAL ICF WALL REINFORCING REQUIREMENTS U.N.O.

SEE DETAIL 21 FOR TYPICAL MASONRY WALL REINFORCING REQUIREMENTS U.N.O.

SEE SHEET S1.00 FOR FOUNDATION SCHEDULES

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Revisions	Date
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CITY COMMENTS	



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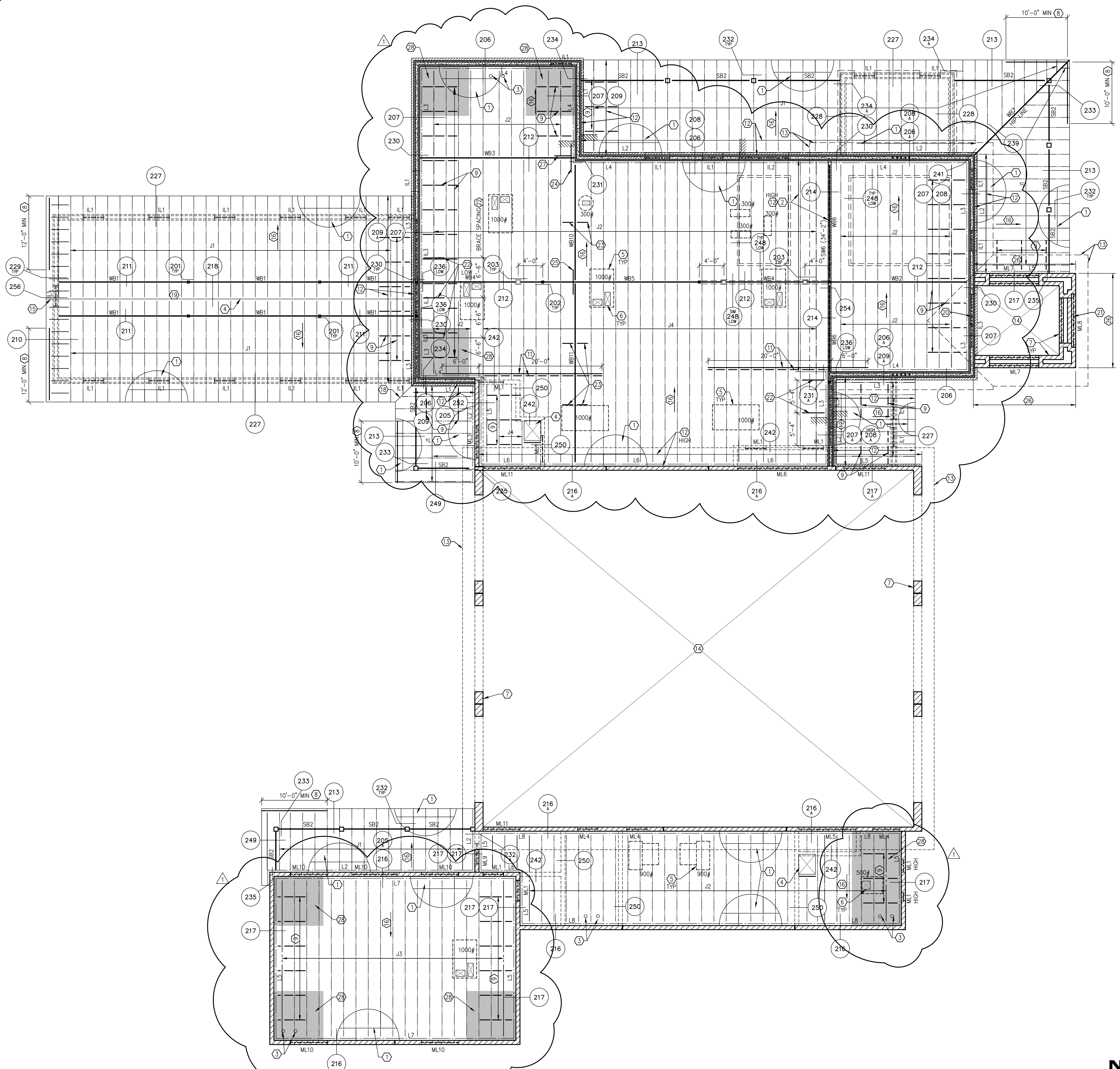
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**KIVA # 23-1810
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**FOUNDATION PLAN
 S1.01**

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



- ROOF FRAMING NOTES – TYPICAL U.N.O.:**
- 5/8" PLYWOOD SHEATHING – TYPICAL AT WOOD ROOFS U.N.O. SEE G.S.N. FOR LAYOUT AND ATTACHMENTS.
 - 600S162-43 CFS STUDS AT 16" O.C. IN AREA INDICATED.
 - ROOF DRAIN OPENING – TYPICAL. SEE DETAILS 68 AND 69 FOR FRAMING AT OPENINGS. FOR EXACT SIZE, LAYOUT AND LOCATION OF OPENINGS, SEE PLUMBING AND ARCHITECTURAL DRAWINGS.
 - ROOF HATCH OPENING. SEE LOCATION AND SIZE OF OPENING. SEE ARCHITECTURAL DRAWINGS. SEE DETAILS 68 AND 69 FOR FRAMING AT OPENINGS.
 - MECHANICAL UNIT – TYPICAL. SEE DETAIL 69 FOR ROOF MOUNTED UNIT SUPPORT. WEIGHTS AND LOCATION OF MECHANICAL UNITS SHOWN ARE APPROXIMATE. FOR EXACT WEIGHTS, LOCATIONS, DUCT OPENINGS, ADDITIONAL UNITS, ETC. SEE MECHANICAL AND ARCHITECTURAL DRAWINGS. PROVIDE ADDITIONAL TRUSSES AS REQUIRED. LOADS INDICATED ON PLAN INCLUDES A 20% INCREASE AS REQUIRED BY IBC.
 - MECHANICAL DUCT OPENING – TYPICAL. SEE DETAILS 68 AND 69 FOR FRAMING AT OPENINGS. FOR EXACT SIZE, LAYOUT AND LOCATION OF OPENINGS, SEE MECHANICAL AND ARCHITECTURAL DRAWINGS.
 - MASONRY WALL FROM BELOW.
 - 2x FASCIA BEAM SHALL BE CONTINUOUS IN AREA INDICATED – TYPICAL.
 - BLOCKING PER DETAILS 207, 208 AND 217 AT 4'-0" O.C. MAX. BLOCKING AND STRAPS SHALL EXTEND 6'-0" MIN – TYP U.N.O.
 - MECHANICAL OPENING IN MASONRY OR ICF WALL. SEE ARCH'L AND MECH'L DRAWINGS FOR EXACT LOCATION, SIZE AND ELEVATION. SEE DETAIL 29 FOR OPENING LIMITATIONS.
 - PROVIDE CMST14 STRAP WITH 10d AT 2" O.C. TO LEDGER/2-2x BLOCKING – SEE PLAN FOR EXTENTS.
 - PROVIDE 4" MASONRY VENEER ABOVE ROOF FRAMING IN AREAS INDICATED.
 - OUTLINE OF ROOF ABOVE. SEE SHEET S1.03 FOR HIGH FRAMING.
 - OPEN TO BELOW.
 - PROVIDE HSS 14x6x3/16 STEEL TUBE OUTRIGGER PER DETAIL 256. SEE ARCH'L DRAWINGS FOR ADDITIONAL INFORMATION.
 - SLOPE.
 - HIP LINE.
 - VALLEY LINE.
 - RIDGE LINE.
 - 5 #4 VERTICALS AT 8" O.C. CENTERED ON BEAM BEARING.
 - 1 #5 IN EACH OF 3 ADJACENT CELLS FROM LINTEL TO BEAM BEARING ABOVE WHERE INDICATED.
 - PROVIDE STEEL ANGLE BRACES AT SPACING INDICATED PER DETAIL 219. SEE PLAN FOR CONNECTION ELEVATION.
 - PROVIDE BLOCKING AT 12'-0" O.C. MAX (MIDSPAN/ 1/3 SPAN) IN AREA INDICATED.
 - HDU11 HOLDDOWN TO WOOD LEDGER AND WOOD BEAM WITH 7/8" DIA. THREADED ROD FROM HOLDDOWN TO HOLDDOWN. LOCATE HOLDDOWNS 6" BELOW PLYWOOD.
 - PROVIDE MST148 STRAP FROM BEAM TO BEAM CENTERED OVER SUPPORT BEAM.
 - EXTEND LINTEL REINFORCING FULL WIDTH OF WALL WHERE INDICATED.
 - PROVIDE LITP2 WITH 3/4" DIA ANCHOR BOLT AT TOP OF WOOD BEAM TO ICF WALL.
 - INDICATES AREA OF 28 PSF (ASD) NET WIND UPLIFT FOR ROOF JOIST DESIGN. EXTEND 6'-0" x 3'-0" FROM CORNERS – TYP U.N.O.

Revisions	Date
1	3/11/24
CITY COMMENTS	



Designed By:
DGS

Drawn By:
KAF

Checked By:
DGS

Date:
12/14/2023

Phase:
PERMIT

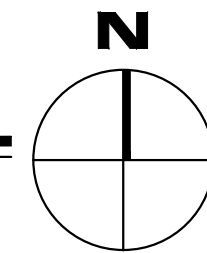
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Architects of Arizona
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Phoenix, Arizona 85012
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perlmanaz.com

Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
Index No: FD57100020-3**

Simply Structural #23-168
ENG: DGS
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730 N. 52nd Street, Suite 105
Phoenix, Arizona 85008
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KIVA # 23-1810
SDEV # 2300473
**ROOF FRAMING PLAN
S1.02**

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



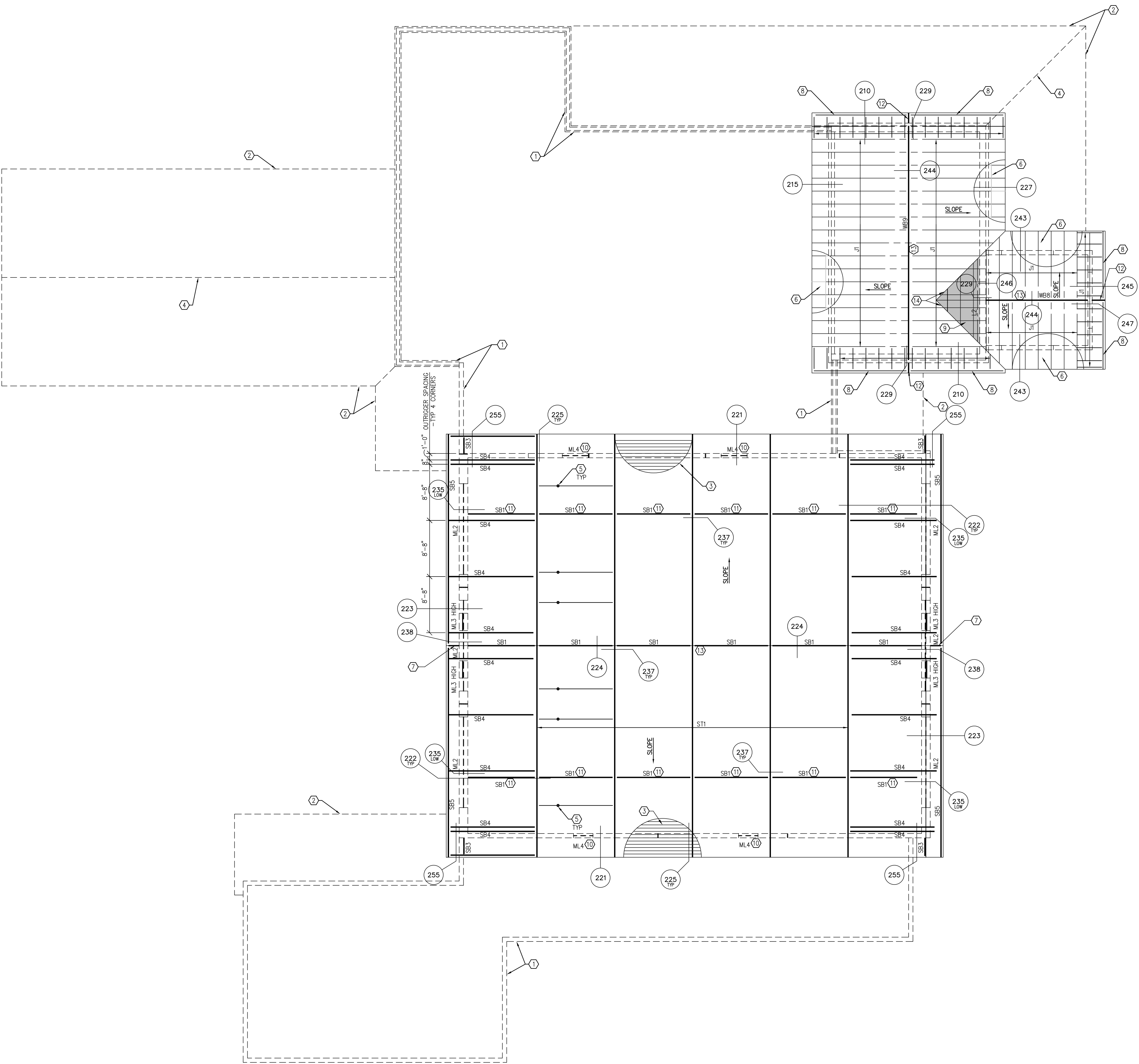
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CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

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1 HIGH ROOF FRAMING PLAN

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



HIGH ROOF FRAMING NOTES - TYPICAL U.N.O.:

1. OUTLINE OF WALL BELOW.
2. OUTLINE OF ROOF EDGE BELOW.
3. 3"x18 GAGE STEEL DECK - TYPICAL AT APPARATUS BAY ROOF. SEE DETAIL 46 AND GSN FOR LAYUP AND ATTACHMENT.
4. RIDGE/HIP LINE BELOW.
5. OVERHEAD DOOR SUPPORT POST PER DETAIL 226. SEE ARCHITECTURAL DRAWING FOR ADDITIONAL INFORMATION.
6. 5/8" PLYWOOD SHEATHING - TYPICAL AT WOOD ROOFS U.N.O. SEE GSN FOR LAYUP AND ATTACHMENT.
7. PROVIDE 2x4x8x3/8" STEEL TUBE (OR BUILT-UP PLATE) OUTRIGGER AT RIDGE BEAM PER DETAIL 238. SEE ARCH'L DRAWINGS FOR ADDITIONAL INFORMATION.
8. 2x FASCIA BEAM SHALL BE CONTINUOUS FULL LENGTH OF GABLE ROOF SLOPE - TYP U.N.O.
9. OVERFRAMING PER DETAIL 253 WHERE INDICATED.
10. MECHANICAL OPENING IN MASONRY OR ICF WALL. SEE ARCH'L AND MECH'L DRAWINGS FOR EXACT LOCATION, SIZE AND ELEVATION. SEE DETAIL 28 FOR OPENING LIMITATIONS.
11. LOCATE SB11 TO ALIGN WITH TRUSS HORIZONTAL TO SLOPED MEMBER CONNECTION PER DETAIL 251.
12. PROVIDE HSS 14x6x3/16 STEEL TUBE PER DETAILS 229 AND 247. SEE ARCH'L DRAWINGS FOR ADDITIONAL INFORMATION.
13. RIDGE LINE.
14. VALLEY LINE.

Revisions	Date
1 CITY COMMENTS	3/11/24



Designed By: DGS
Drawn By: KAF
Checked By: DGS
Date: 12/14/2023
Phase: PERMIT

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Title:
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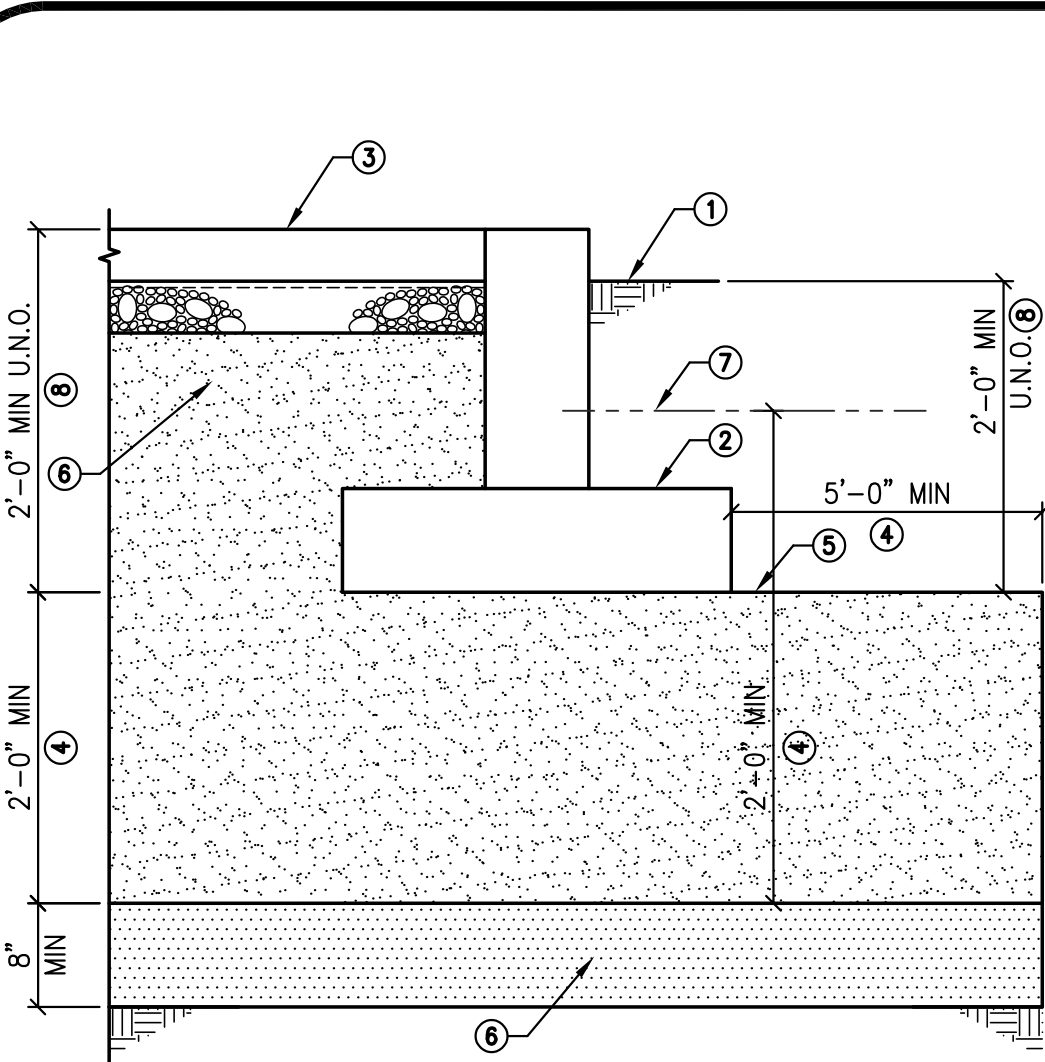
KIVA # 23-1810
SDEV # 2300473

Note:
Per City of Phoenix City Code Chapter 2, section 2-28, these plans are for official use only and may not be shared with others except as required to fulfill the obligations of your contract with the City of Phoenix.

HIGH ROOF FRAMING PLAN
S1.03

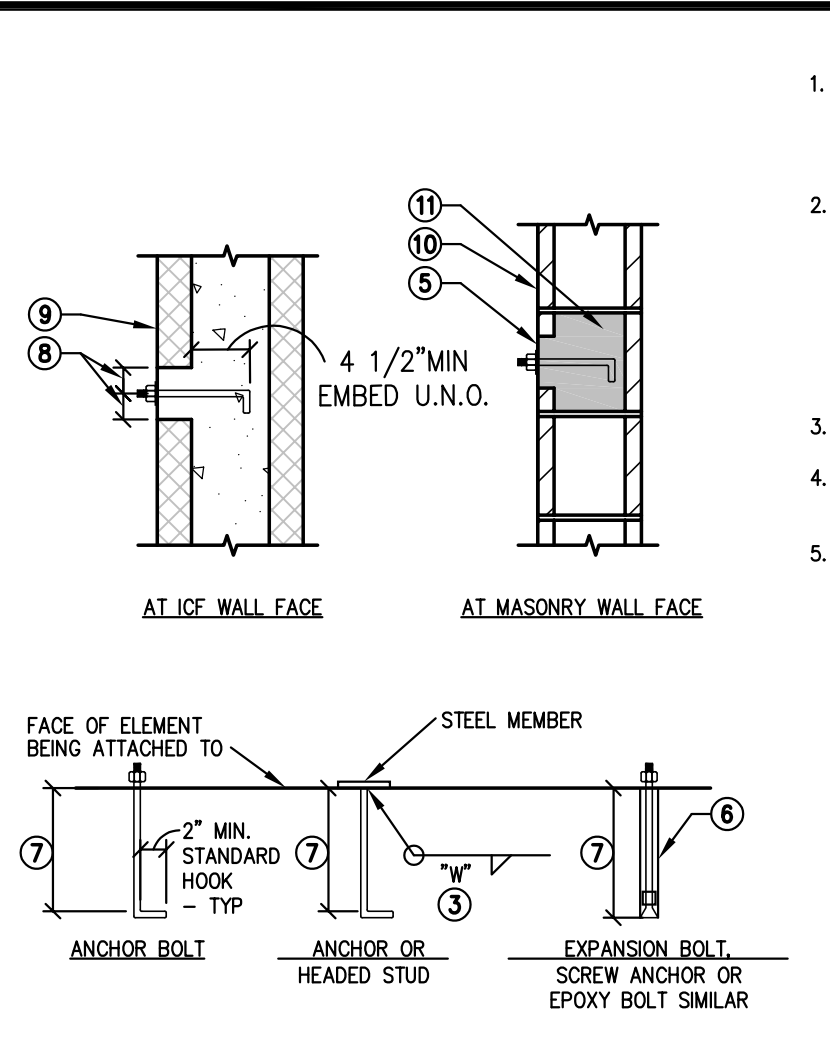
CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

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- KEY NOTES:
- FINISHED GRADE WITHIN 5'-0" OF FOOTING EDGE.
 - CONCRETE FOOTING, CONCRETE SLAB OVER VAPOR BARRIER WHERE INDICATED OVER A.B.C.
 - VERIFY EXACT CONTROLLED COMPACTED FILL SIZE WITH GEOTECHNICAL ENGINEER.
 - COMPACTED BACKFILL PER SOILS REPORT.
 - SCAFFRY, MOISTURE CONDITION AND COMPACT SOIL PER SOILS REPORT.
 - EXISTING GRADE.
 - SEE BOXED NOTE ON FOUNDATION PLAN FOR ADDITIONAL INFORMATION.

01 TYPICAL SPREAD FOOTING ON ENGINEERED COMPACTED FILL 22-044 NO SCALE

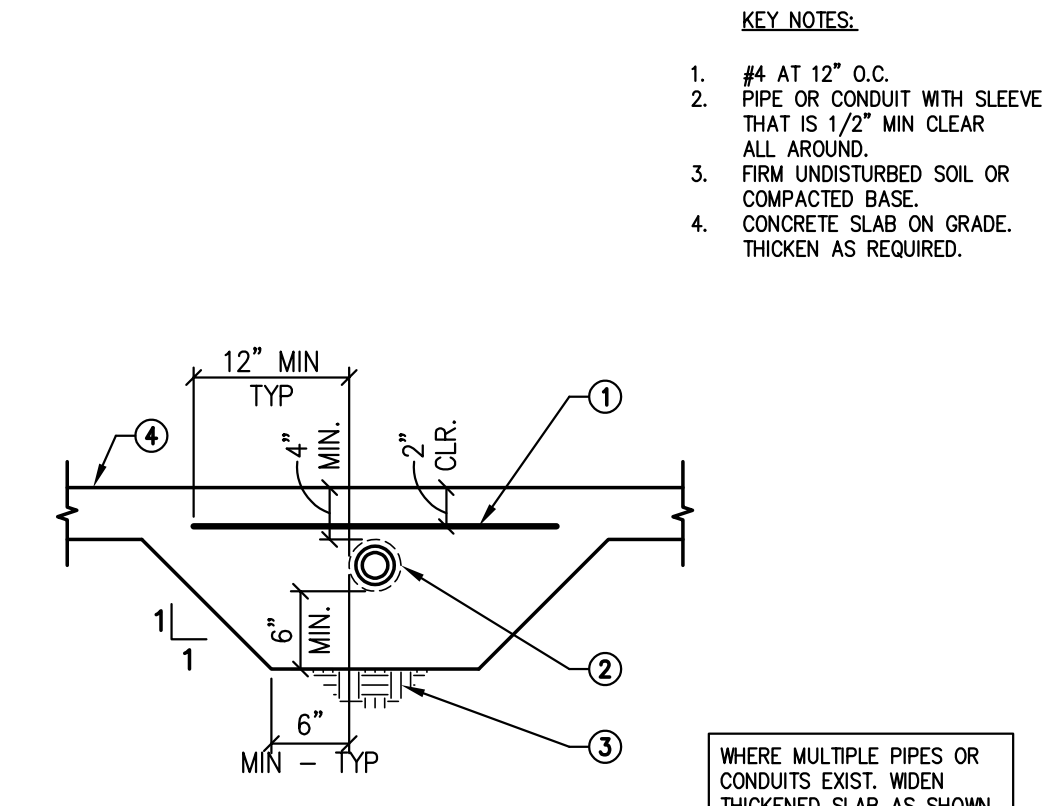


KEY NOTES:

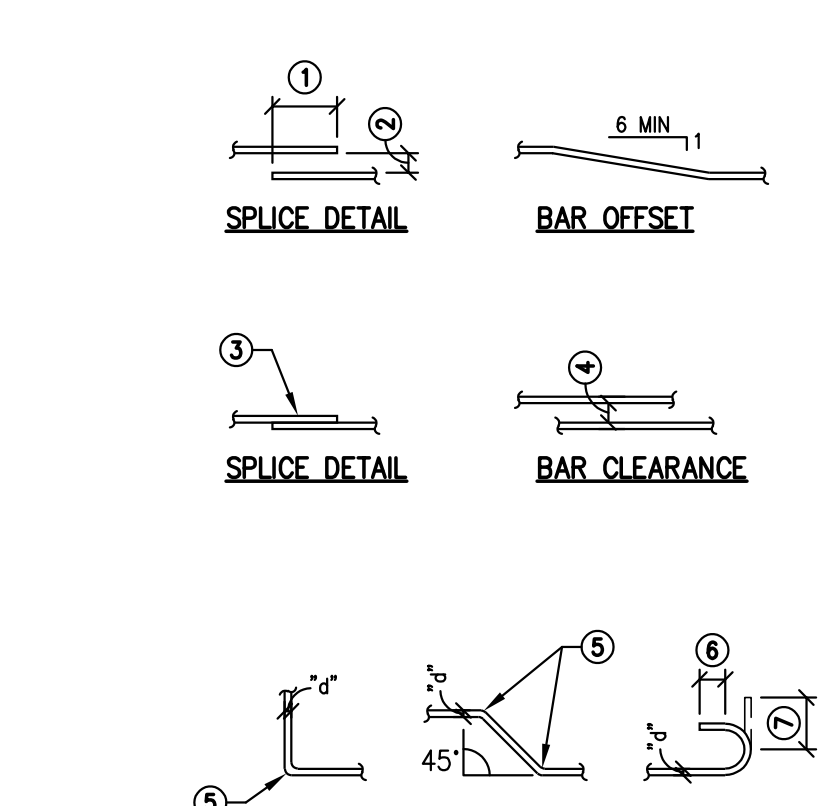
- PROVIDE ANCHORS, ANCHOR BOLTS AND EXPANSION BOLTS PER THIS SCHEDULE UNLESS NOTED ON PLANS OR DETAILS.
- ANCHORS, ANCHOR BOLTS AND EXPANSION BOLTS SHALL BE USED ONLY WHERE SPECIFICALLY SHOWN ON THE DRAWINGS OR WHEN APPLICATION IS APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
- AT "ANCHORS" USE 3/16" FILLET WELD (FW).
- THICKNESS OF DRYPACK DOES NOT APPLY TOWARDS EMBEDMENT.
- PROVIDE A 3" DIA MINIMUM OPENING IN THE FACE SHELL AT ALL ANCHORS EMBEDDED IN FACE OF MASONRY WALLS. (NOT APPLICABLE TO SCREW ANCHORS)
- ANCHORS OR EPOXY BOLTS, AT CONTRACTOR'S OPTION, PROVIDE 1/8" (MAX) DIERSIZED HOLE AT ANCHOR BOLTS INSTALLED IN MASONRY WALL.
- DRIELED HOLE PER ANCHOR MANUFACTURER. PROVIDE ROUGHENED SURFACE AT EPOXY BOLTS UNLESS OTHERWISE NOTED PER CHART U.N.O.
- EMBEDMENT LENGTH PER CHART U.N.O.
- PROVIDE 2" MIN (4" DIA MIN) CONCRETE ALL AROUND ALL ANCHORS, STRAPS, ETC INSTALLED IN ICE WALL.
- ICF WALL - REINFORCING NOT SHOWN FOR CLARITY.
- MASONRY WALL.
- REINFORCING NOT SHOWN FOR CLARITY.
- GROUT 4" MIN ALL AROUND ALL ANCHORS IN MASONRY WALL.

BOLT DIAMETER	VERT BOLT EMBEDMENT LENGTH	HORIZ BOLT EMBEDMENT LENGTH	HEADED STUD FILLET WELD SIZE "W"
1/2"	7"	4"	1/4"
5/8"	7"	4"	5/16"
3/4"	7"	5"	5/16"
7/8"	8"	6"	5/16"
1"	9"	7"	3/8"

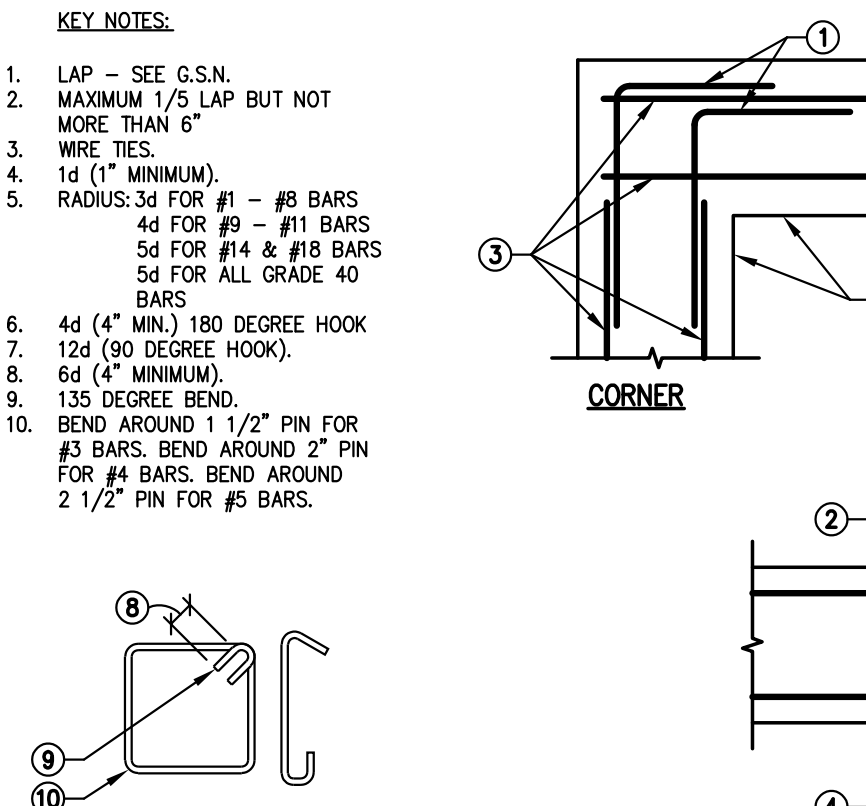
02 TYPICAL ANCHOR, ANCHOR BOLT, AND EXPANSION BOLT SCHEDULE 22-044 NOT TO SCALE



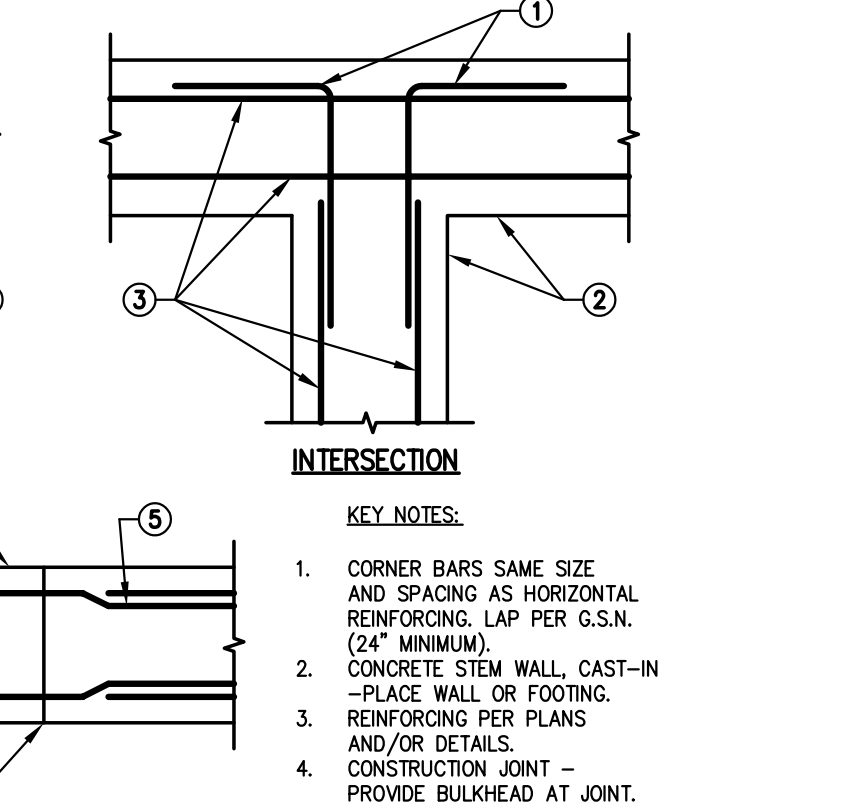
03 MAXIMUM SLOPE BETWEEN PARALLEL FOOTING OR TRENCH 22-044 NOT TO SCALE



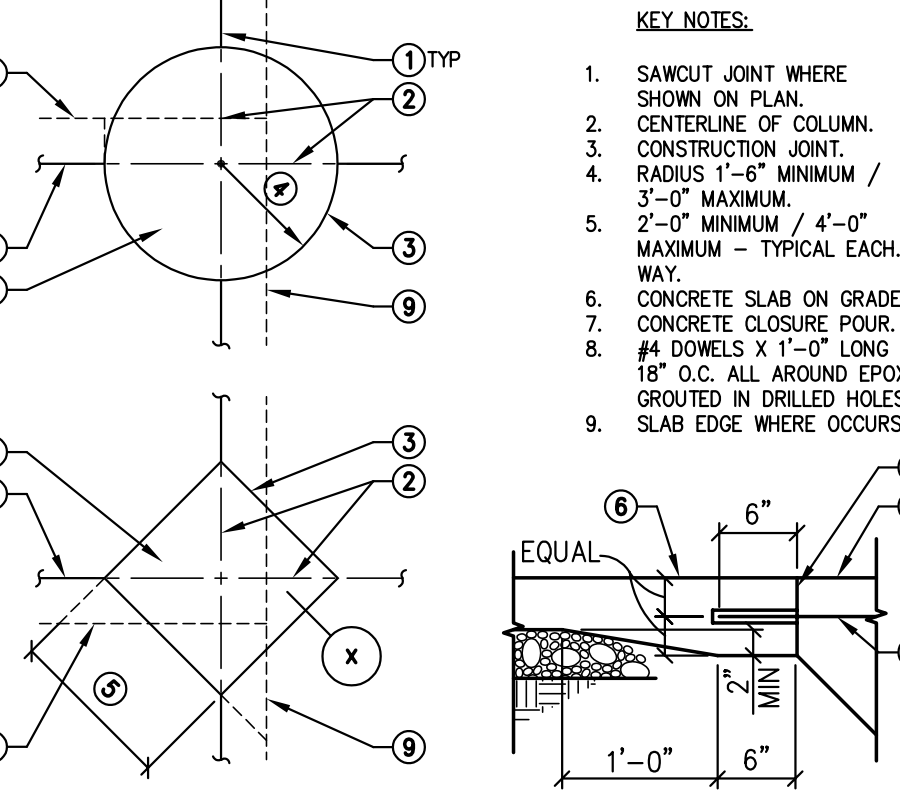
04 PIPE PASSING BY WALL FOUNDATION 22-044 NOT TO SCALE



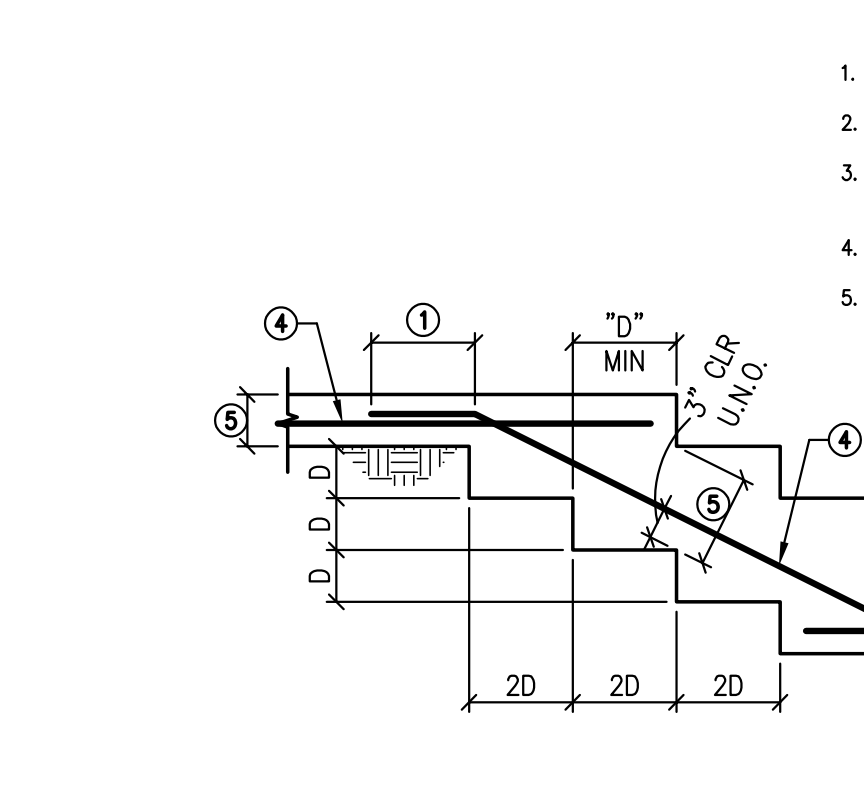
05 TYPICAL PIPE IN THICKENED SLAB 22-044 NO SCALE



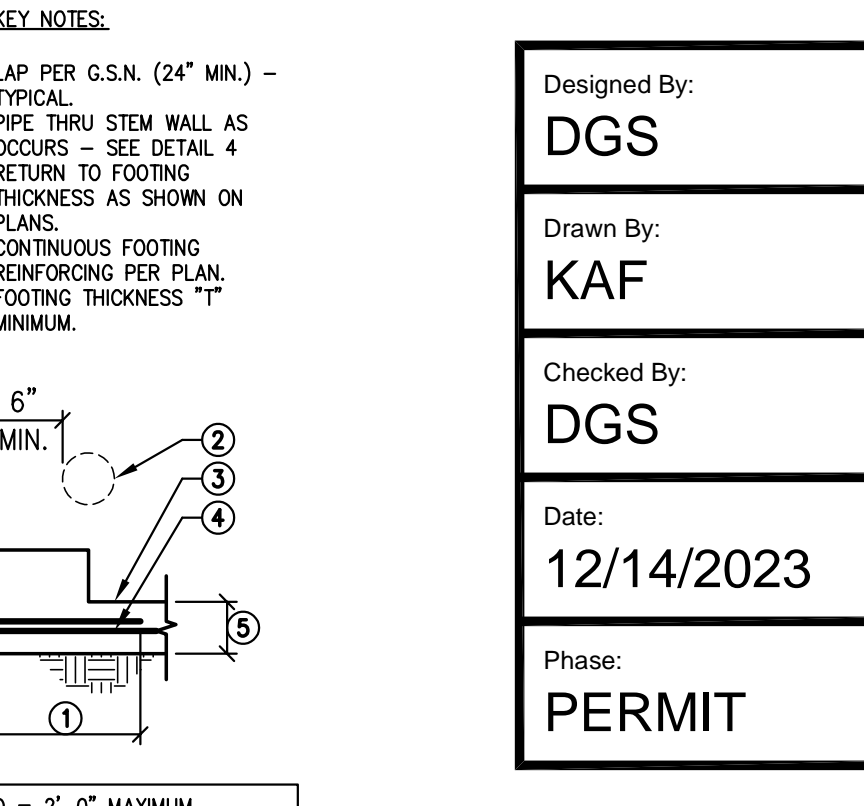
06 TYPICAL CONCRETE REINFORCING BAR DETAILS 22-044 NOT TO SCALE



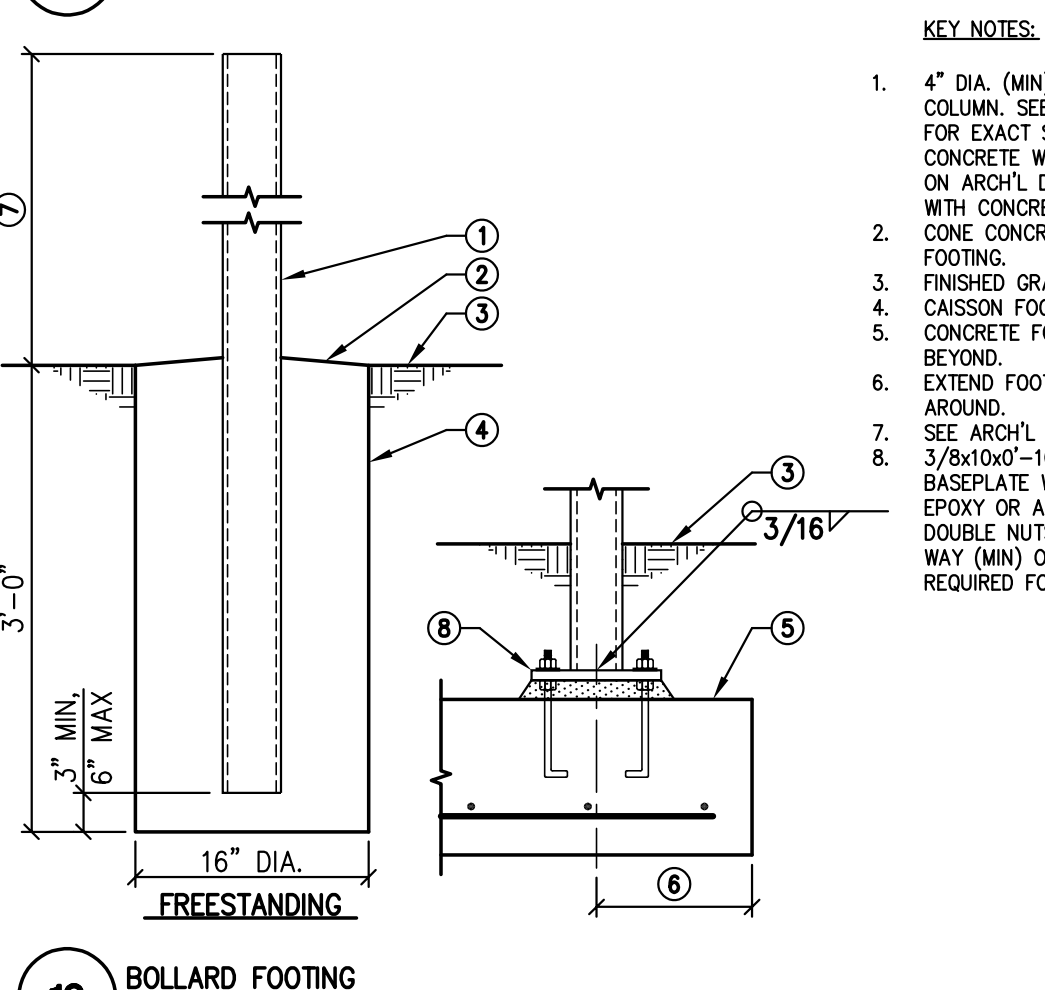
07 PLAN - REINFORCING IN CONCRETE FOOTING, CAST-IN-PLACE WALL OR STEM 22-044 NOT TO SCALE



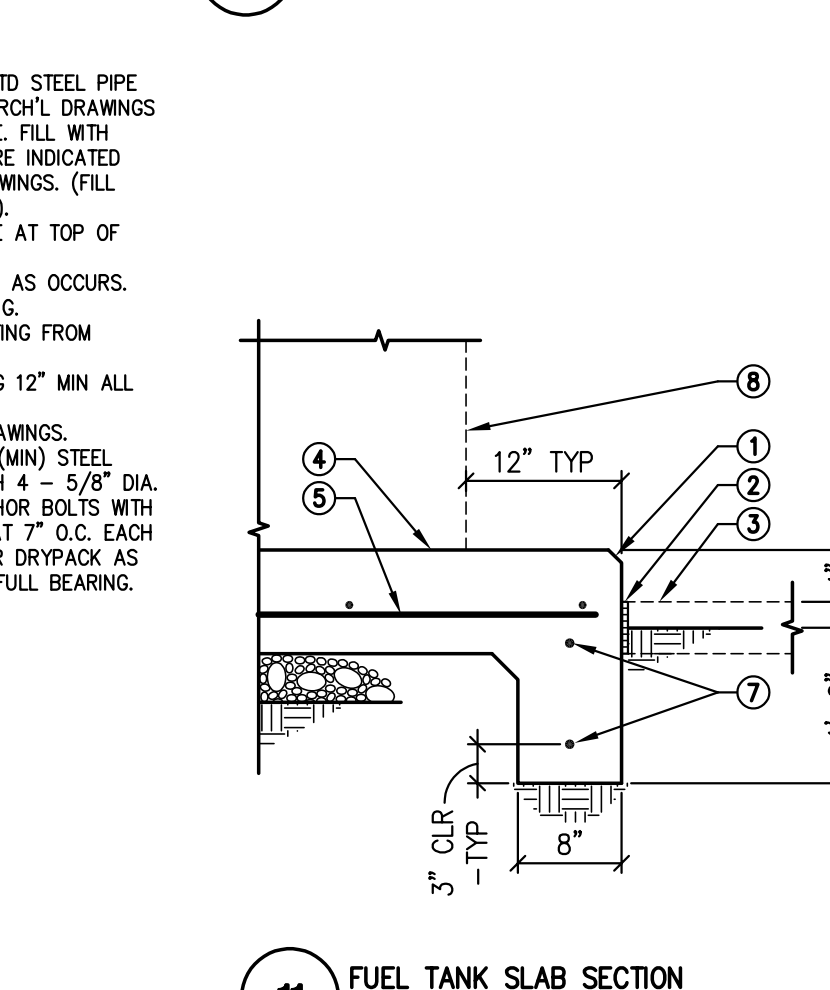
08 TYPICAL COLUMN CLOSURE POUR 22-044 NOT TO SCALE



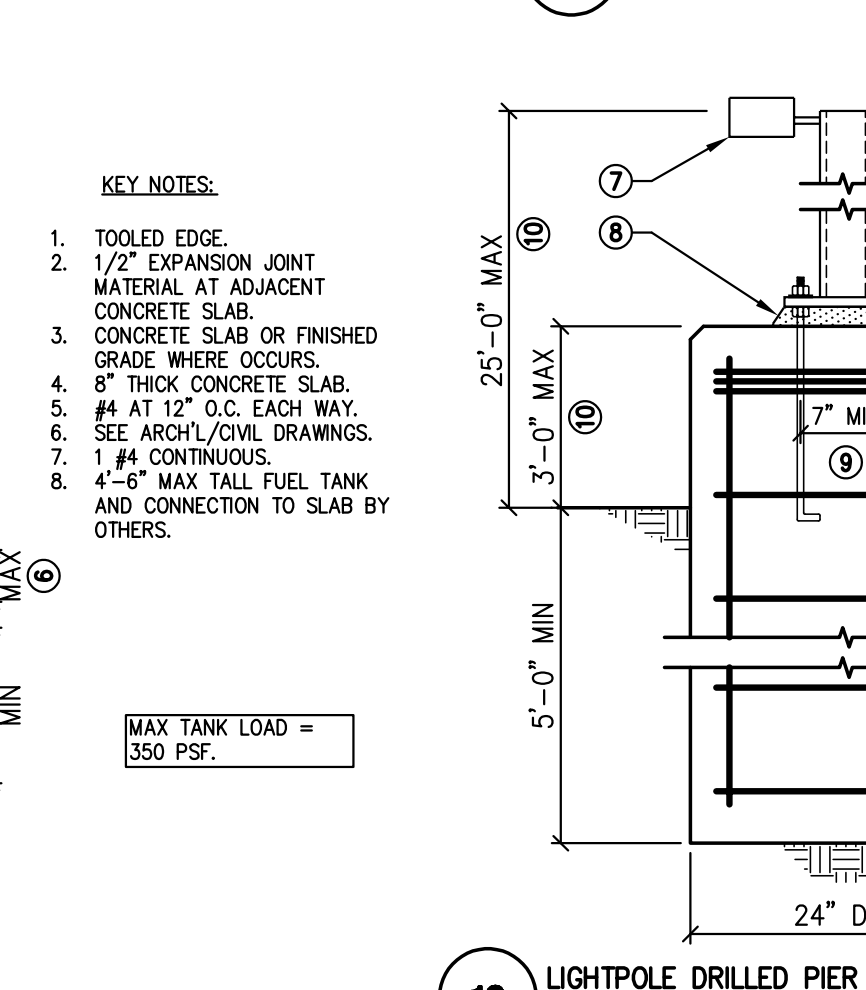
09 TYPICAL STEP IN CONCRETE FOOTING 22-044 NOT TO SCALE



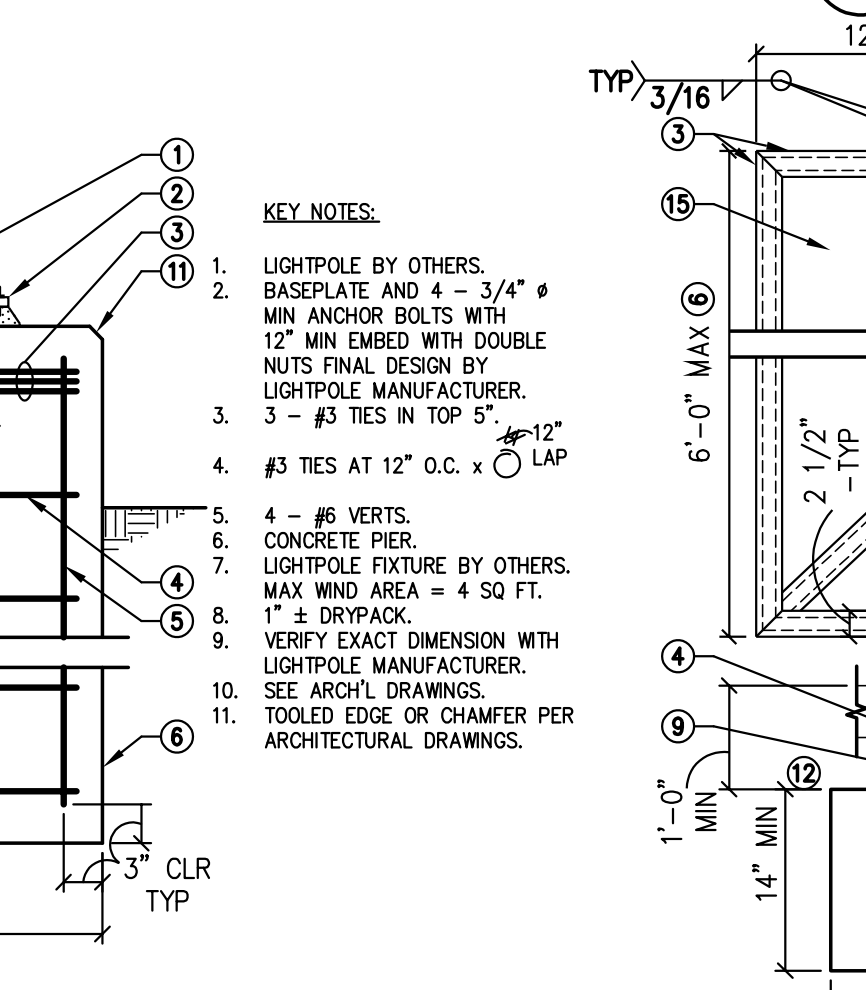
10 BOLLARD FOOTING 22-044 NOT TO SCALE



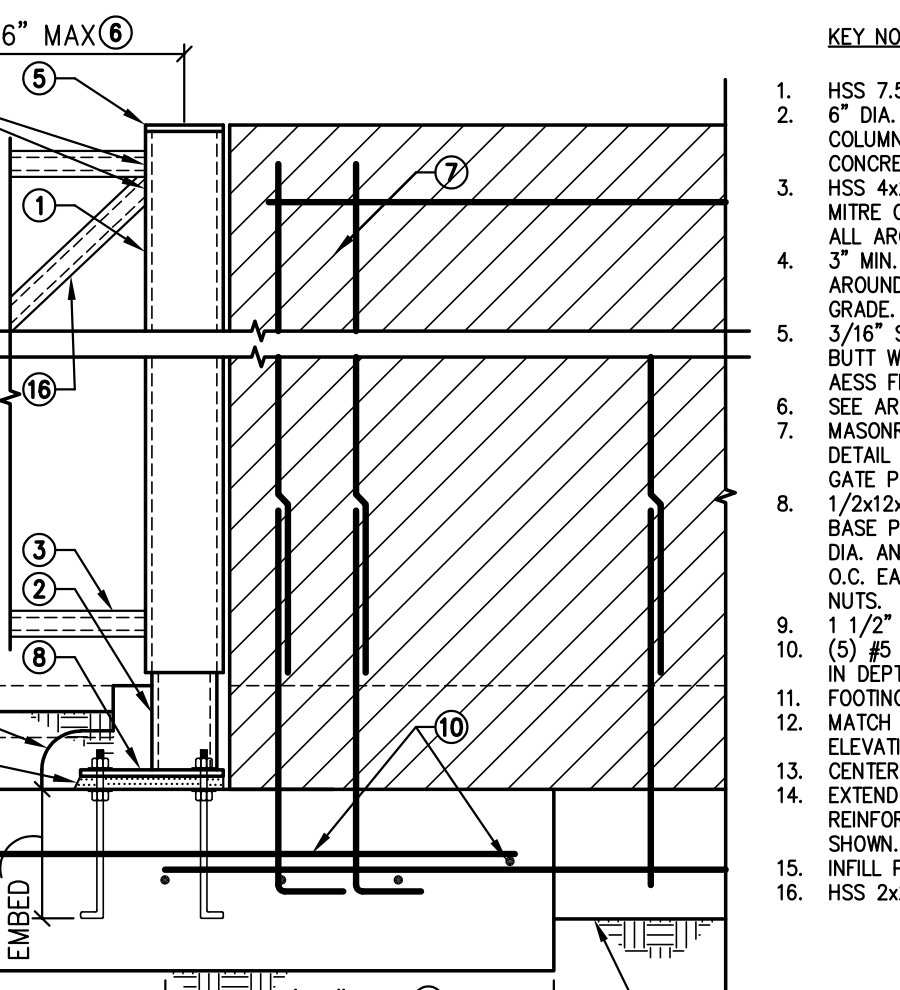
11 FUEL TANK SLAB SECTION 22-044 NOT TO SCALE



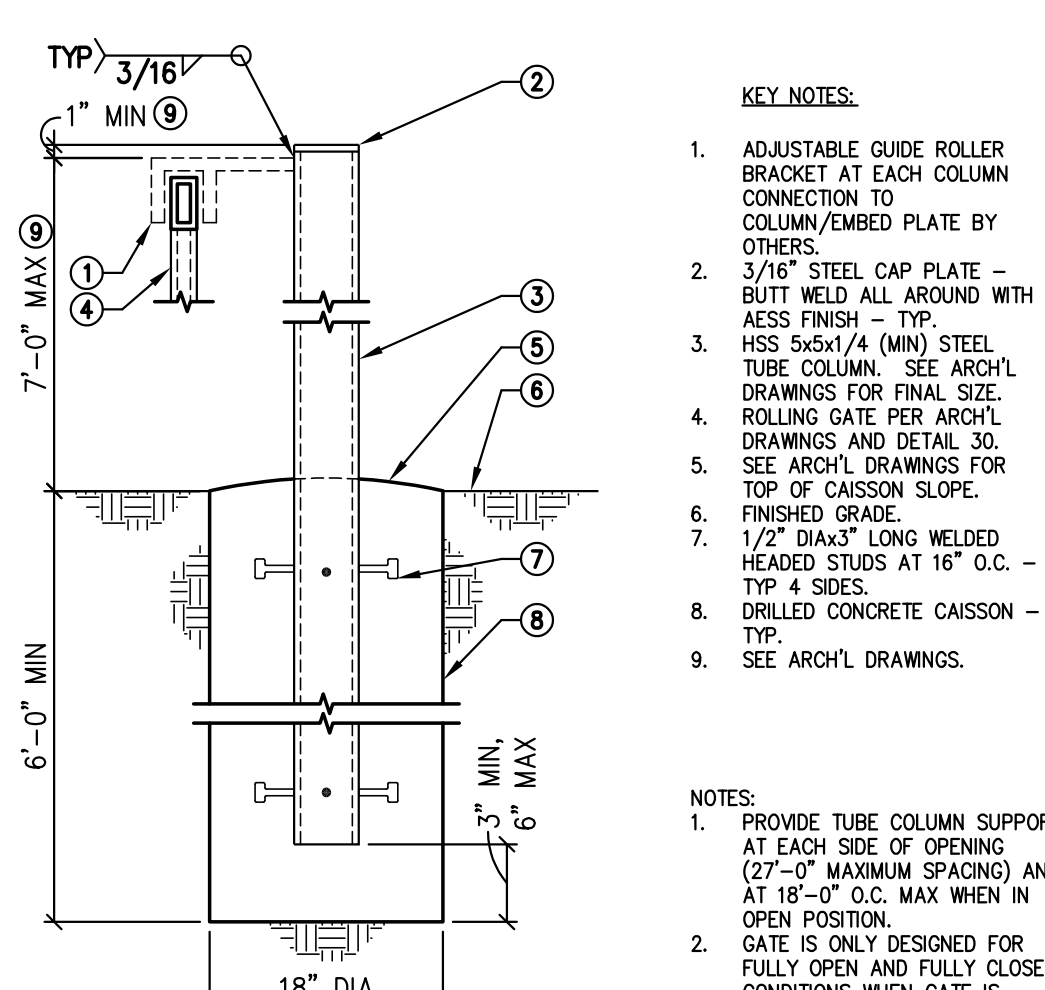
12 LIGHTPOLE DRILLED PIER 22-044 NOT TO SCALE



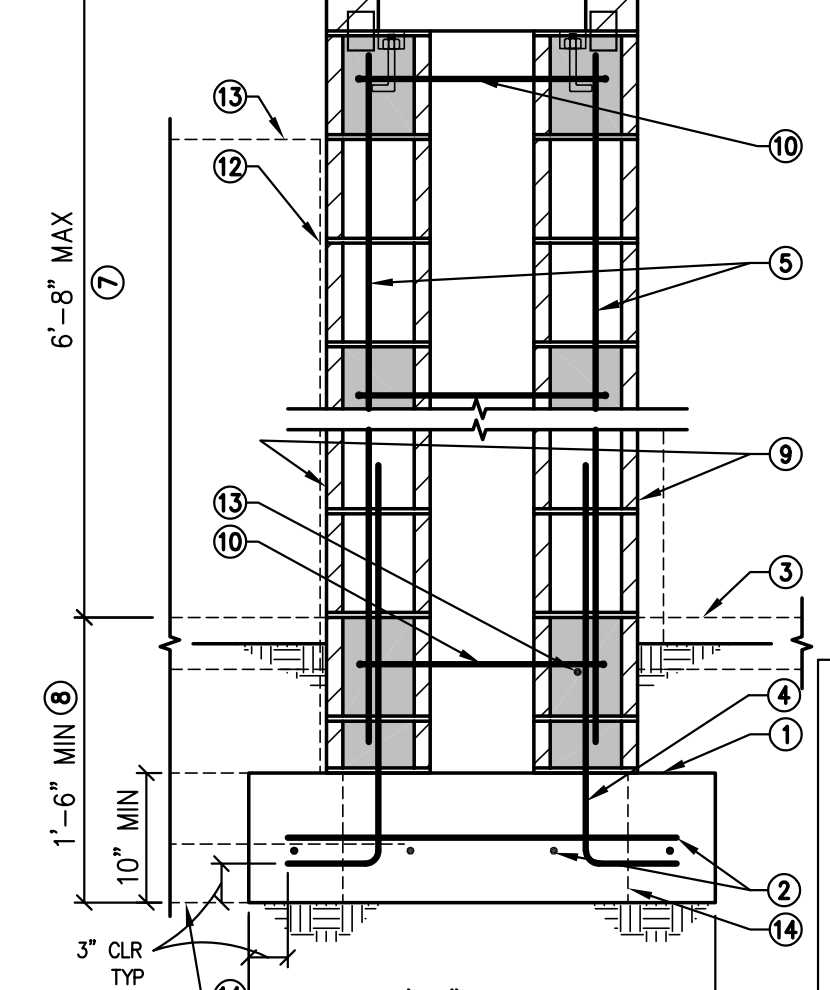
13 ENTRY GATE SUPPORT FOOTING AT MASONRY WALL 22-044 NOT TO SCALE



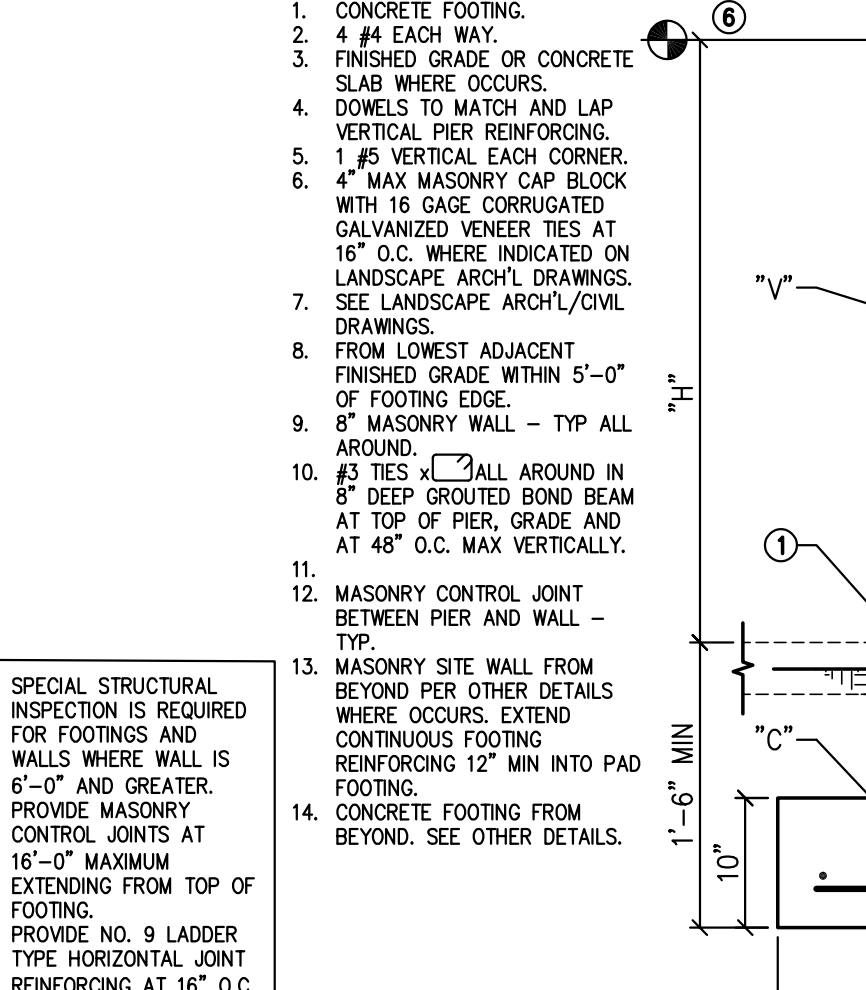
14 FLAGPOLE FOUNDATION 22-044 NOT TO SCALE



15 ROLLING GATE SUPPORT COLUMN/FOOTING 22-044 NOT TO SCALE



16 24\"/>



17 MASONRY SITE WALL AND FOOTING 23-168 NOT TO SCALE

KEY NOTES:

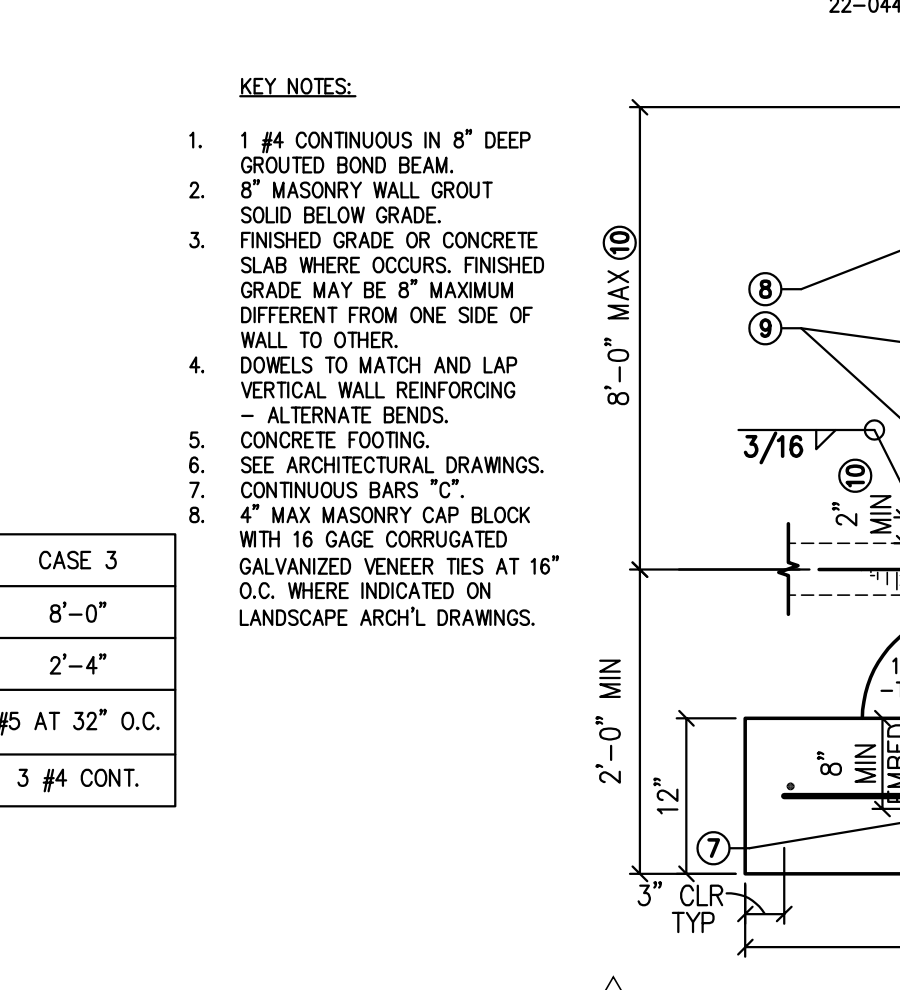
- CONCRETE FOOTING.
- 4 #4 EACH WAY.
- FINISHED GRADE OR CONCRETE SLAB WHERE OCCURS.
- DOWELS TO MATCH AND LAP VERTICAL PIER REINFORCING.
- 1 #5 VERTICAL EACH CORNER.
- 4\"/>
- LANSCAPE ARCH/CIVIL DRAWINGS.
- FROM LOWEST ADJACENT FINISHED GRADE WITHIN 5'-0\"/>
- 6\"/>
- #3 TIES AT 12\"/>
- MASONRY CONTROL JOINT BETWEEN PIER AND WALL.
- MASONRY SITE WALL FROM BEYOND PER OTHER DETAILS WHERE OCCURS. EXTEND CONTINUOUS FOOTING REINFORCING 12\"/>
- CONCRETE FOOTING FROM BEYOND, SEE OTHER DETAILS.

CALLOUT	CASE 1	CASE 2	CASE 3
"H" (MAX)	3'-4"	6'-0"	8'-0"
"W"	1'-4"	2'-0"	2'-4"
"V"	#4 AT 48" O.C.	#4 AT 32" O.C.	#5 AT 32" O.C.
"C"	2 #4 CONT.	2 #4 CONT.	3 #4 CONT.

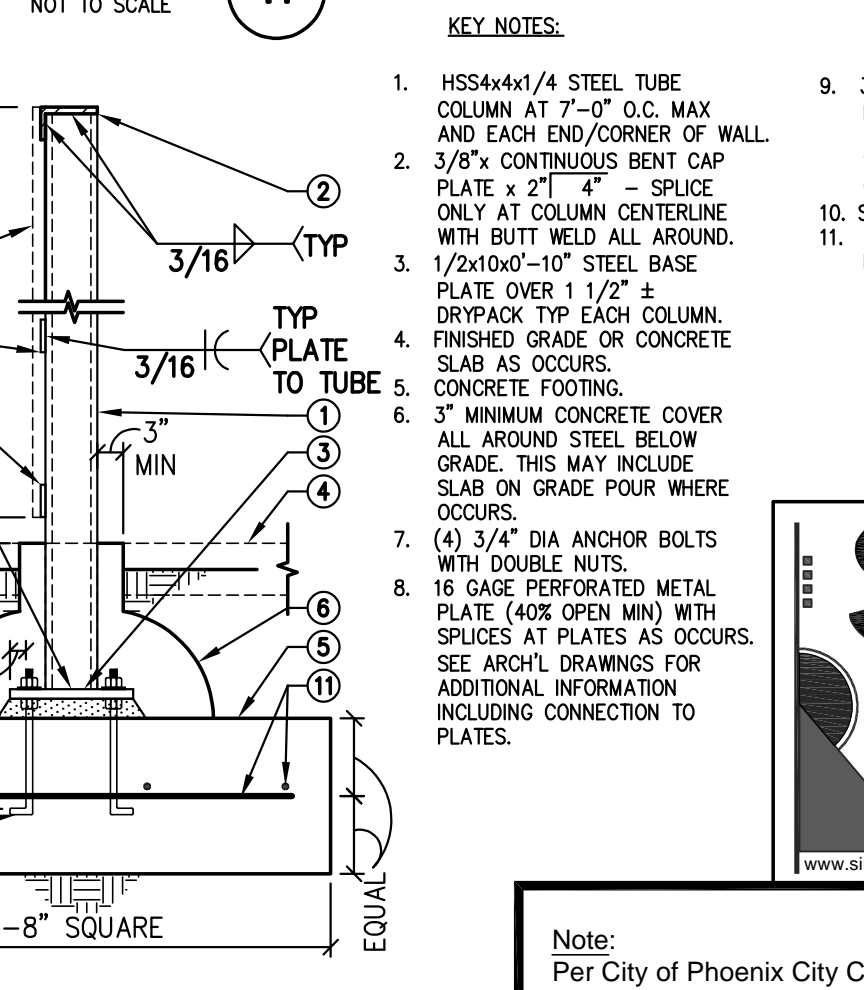
KEY NOTES:

- SPECIAL STRUCTURAL INSPECTION IS REQUIRED FOR FOOTINGS AND WALLS WHERE WALL IS 6'-0" AND GREATER. PROVIDE MASONRY CONTROL JOINTS AT 16'-0" MAXIMUM EXTENDING FROM TOP OF FOOTING.
- PROVIDE NO. 9 LADDER TYPE HORIZONTAL JOINT REINFORCING AT 16" O.C. MAXIMUM.

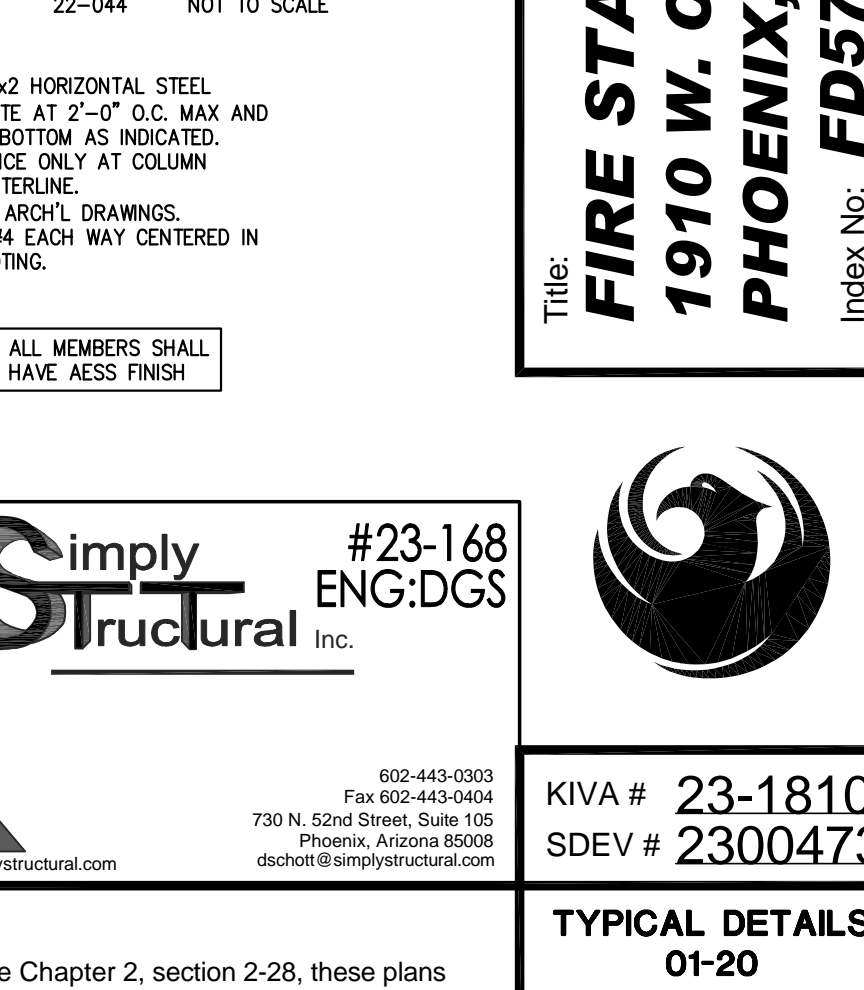
17 MASONRY SITE WALL AND FOOTING 23-168 NOT TO SCALE



18 EXTERIOR PATIO SCREENWALL STEEL TUBE COLUMN FOOTING 22-044 NOT TO SCALE



19 TYPICAL STEP IN CONCRETE FOOTING 22-044 NOT TO SCALE



20 TYPICAL STEP IN CONCRETE FOOTING 22-044 NOT TO SCALE

Revisions	Date
CITY COMMENTS	3/11/24

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Designed By:
DGS

Drawn By:
KAF

Checked By:
DGS

Date:
12/14/2023

Phase:
PERMIT

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 Phoenix, Arizona 85012
 480.951.3900

FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
 Index No: **FD57100020-3**

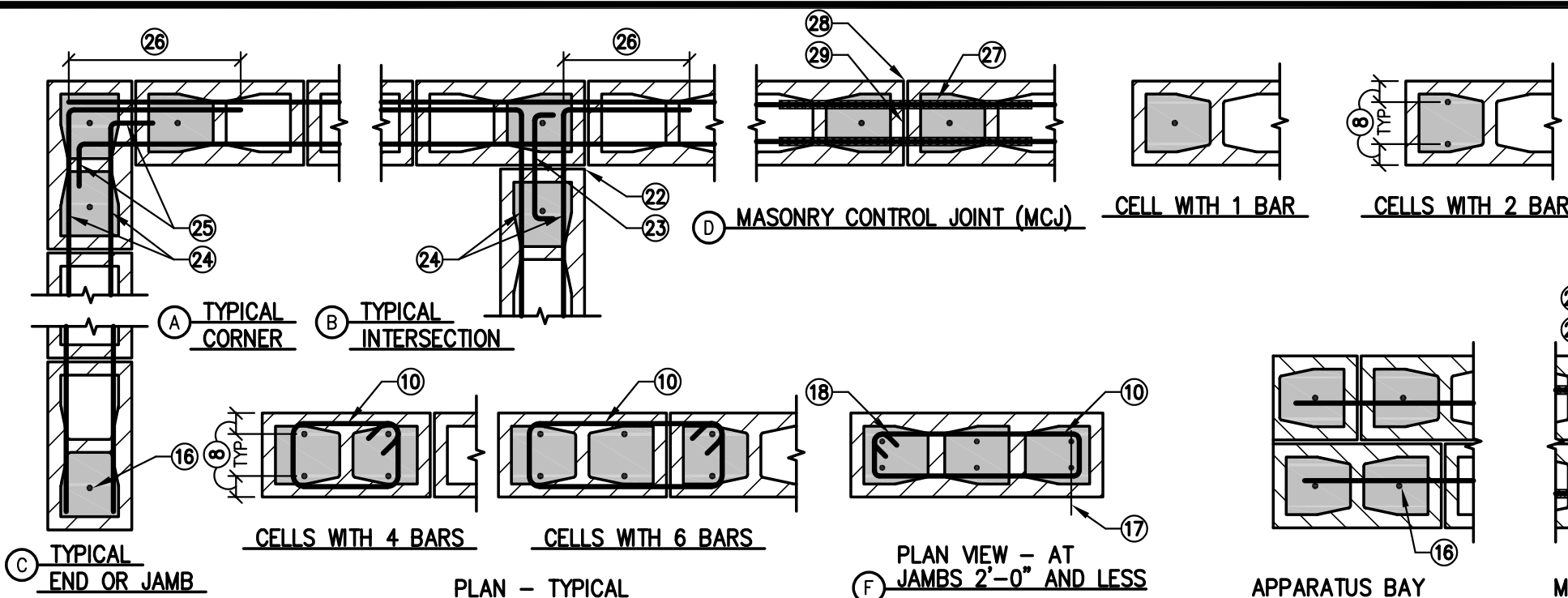
Simply Structural Inc. #23-168 ENG:DGS

KIVA # 23-1810
 SDEV # 2300473

TYPICAL DETAILS
 01-20
S2.01

Note:
 Part City of Phoenix City Code Chapter 2, section 2-28, these plans are for official use only and may not be shared with others except as required to fulfill the obligations of your contract with the City of Phoenix.

CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

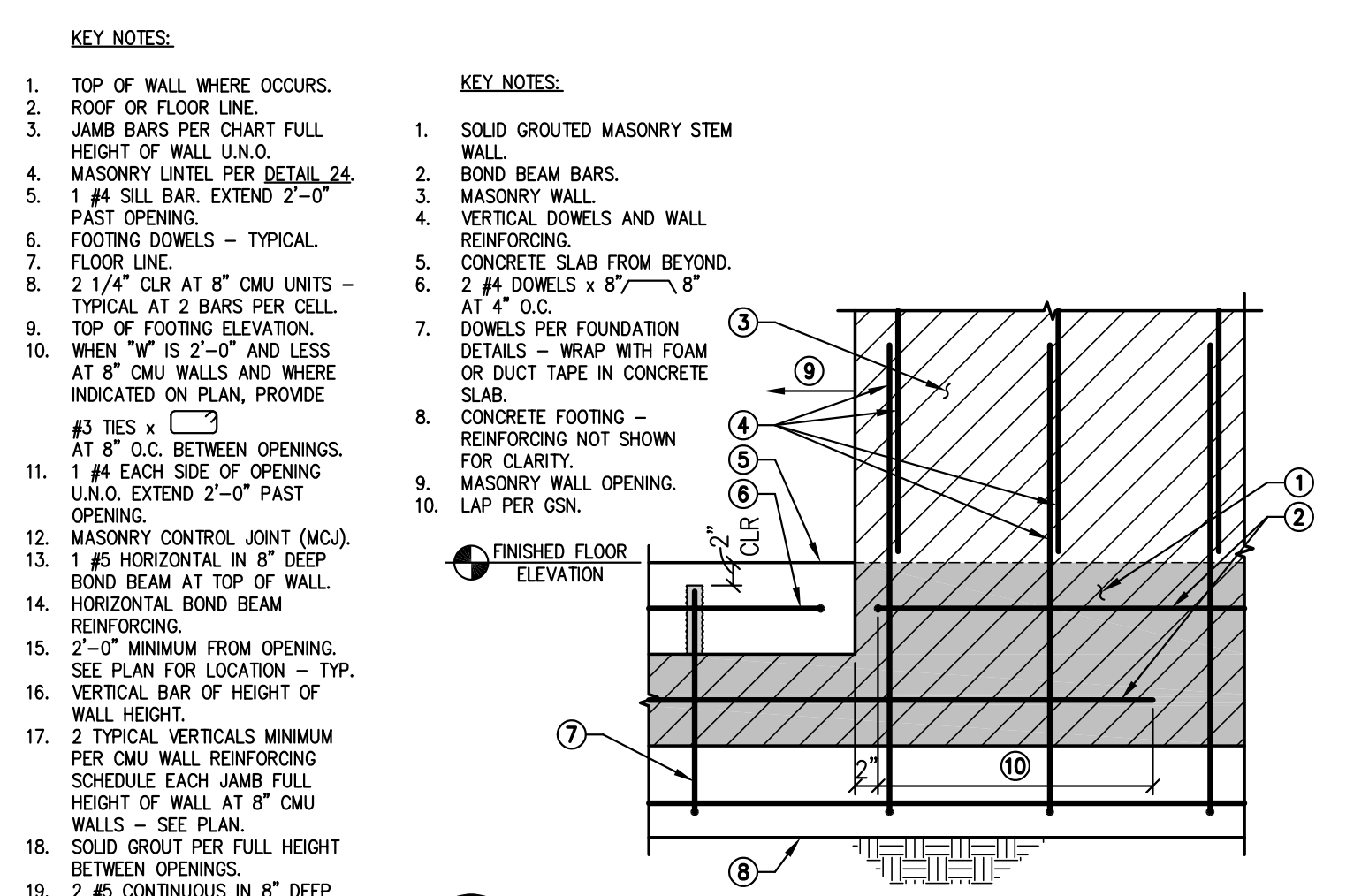


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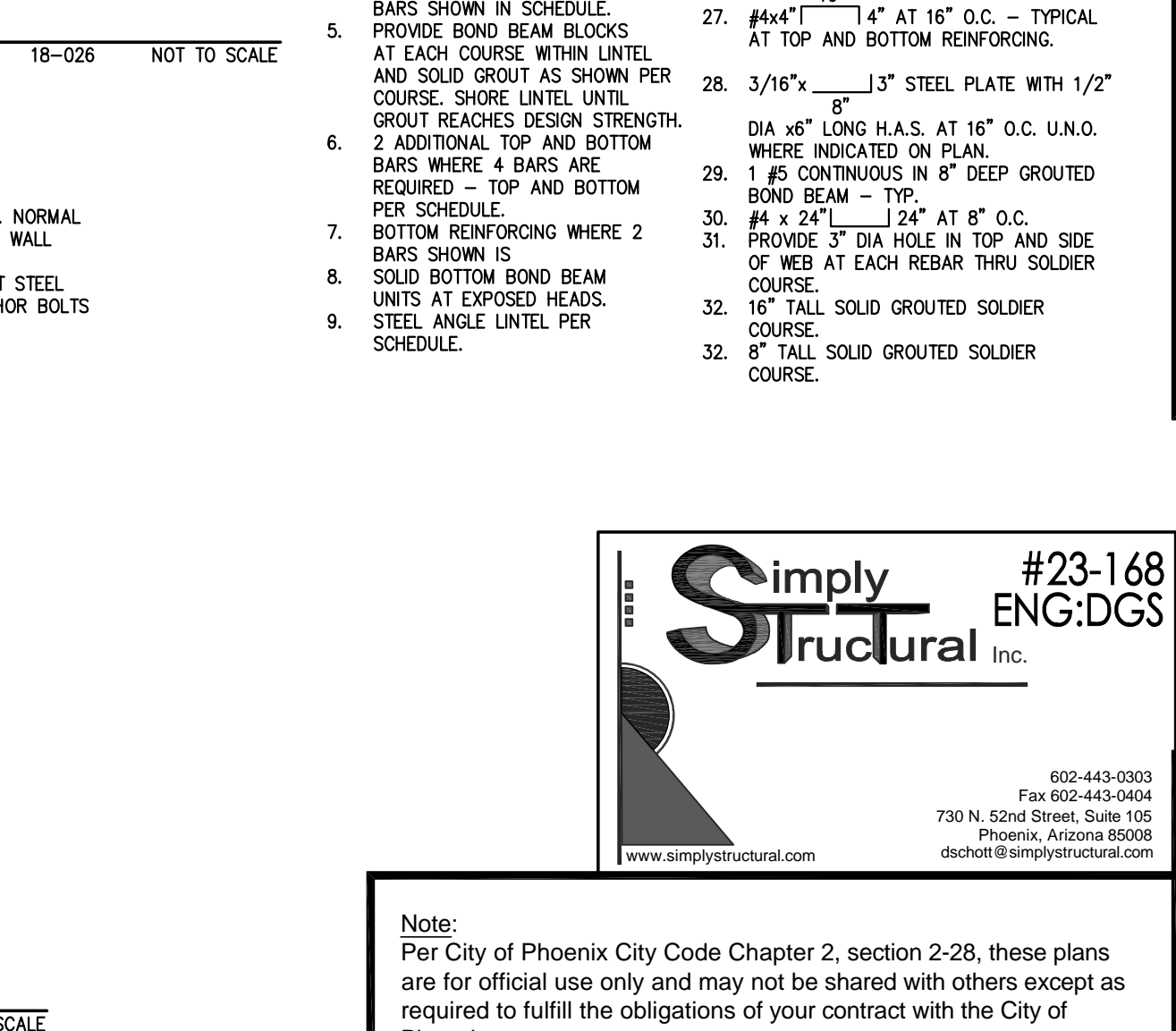
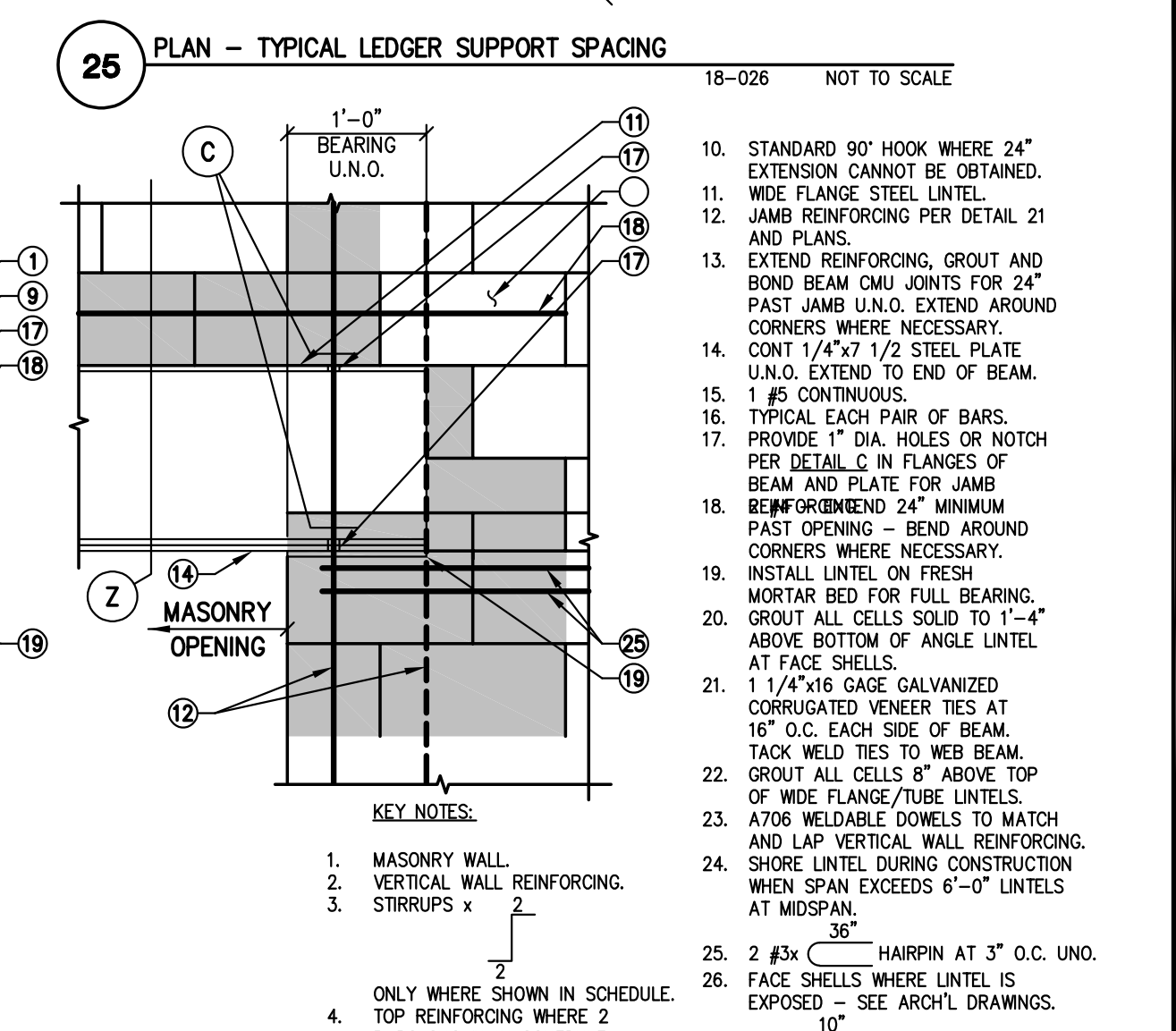
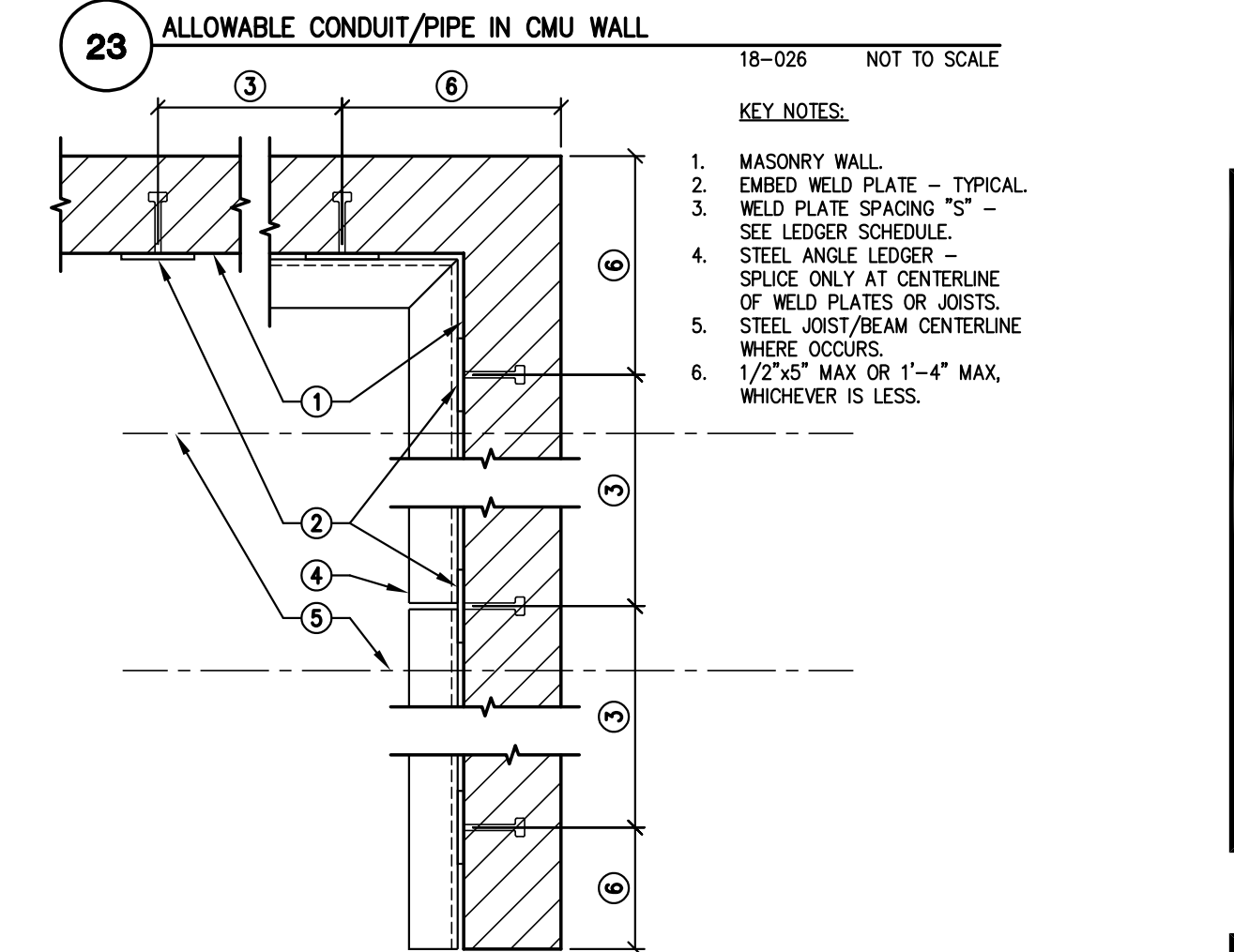
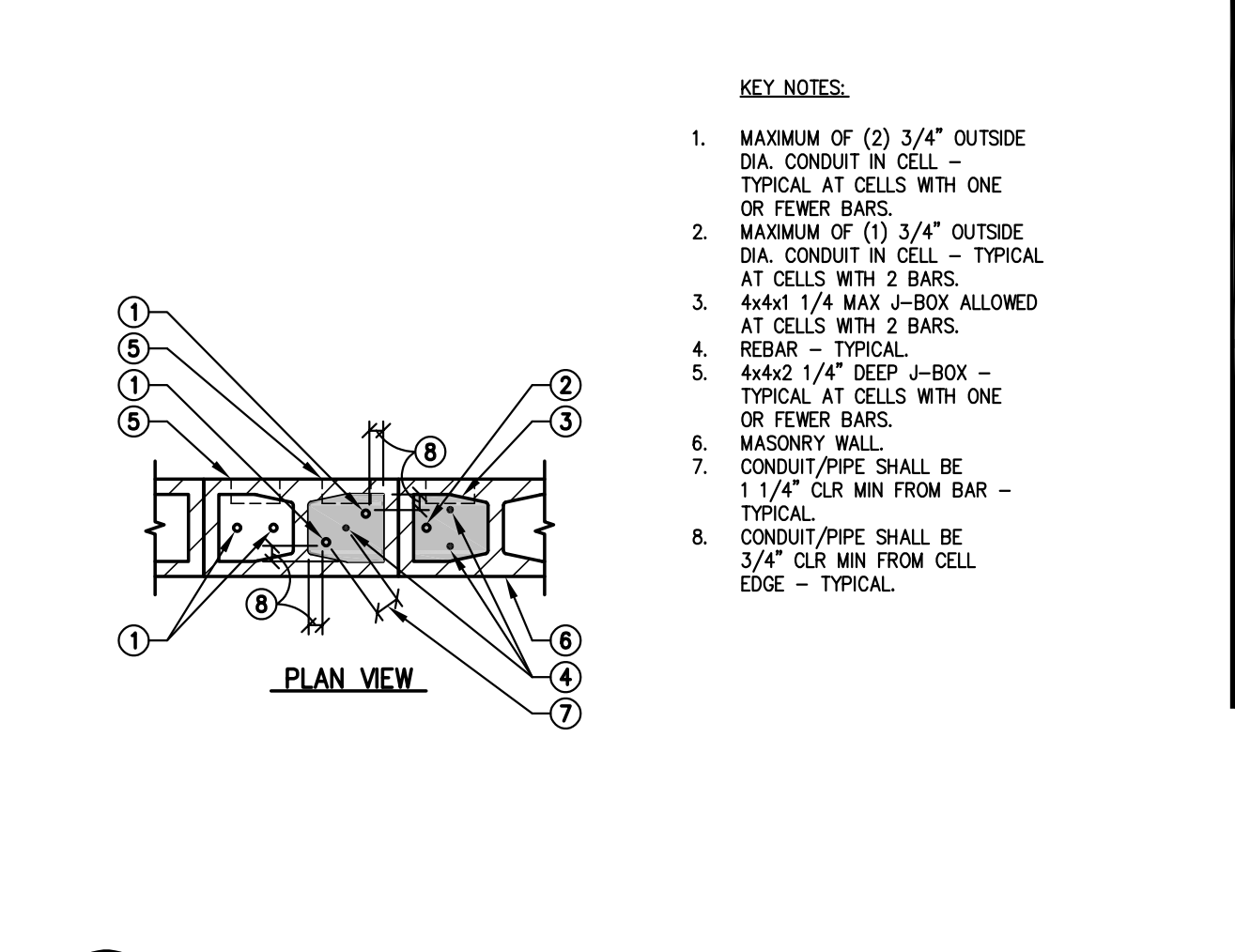
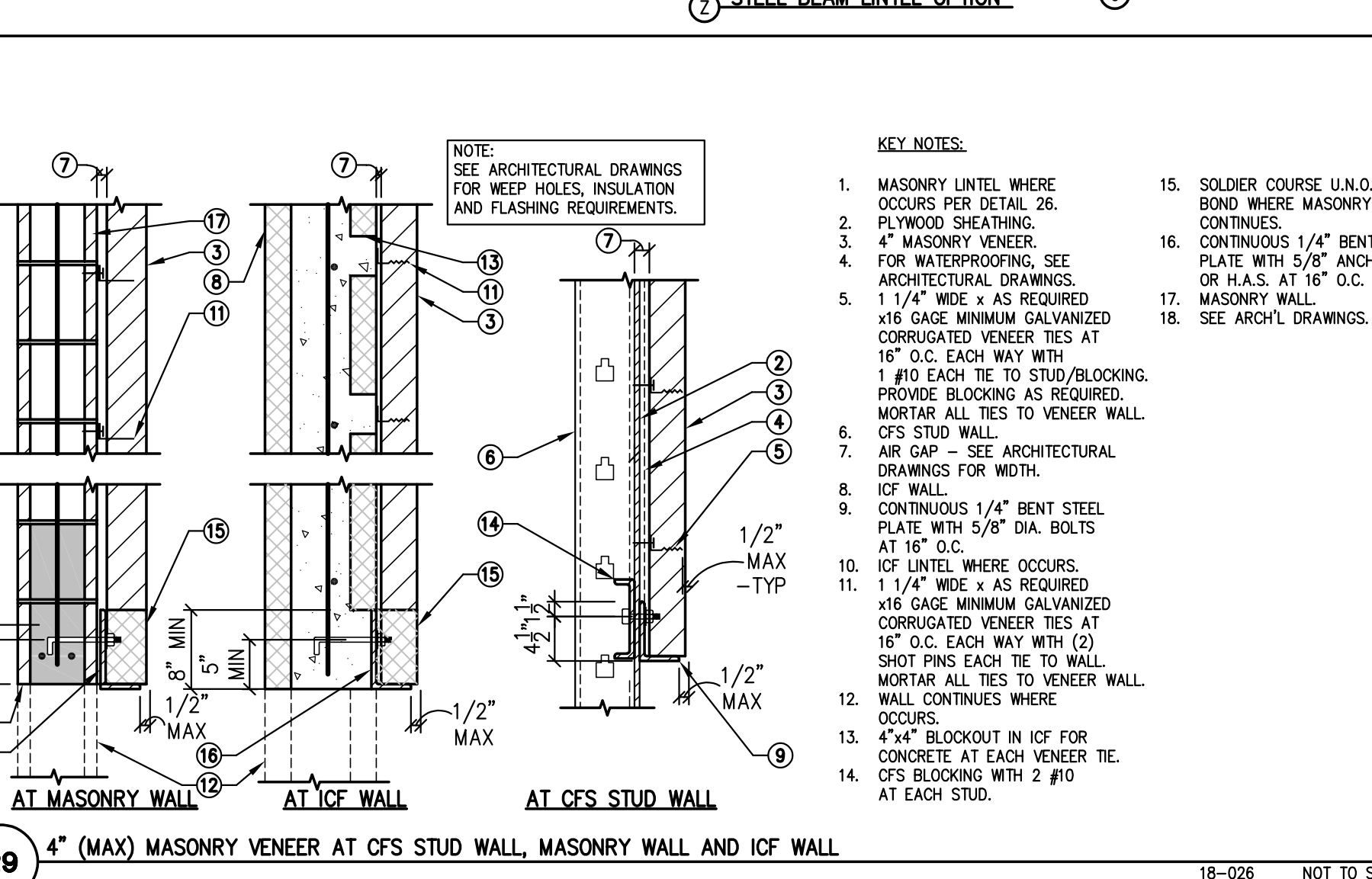
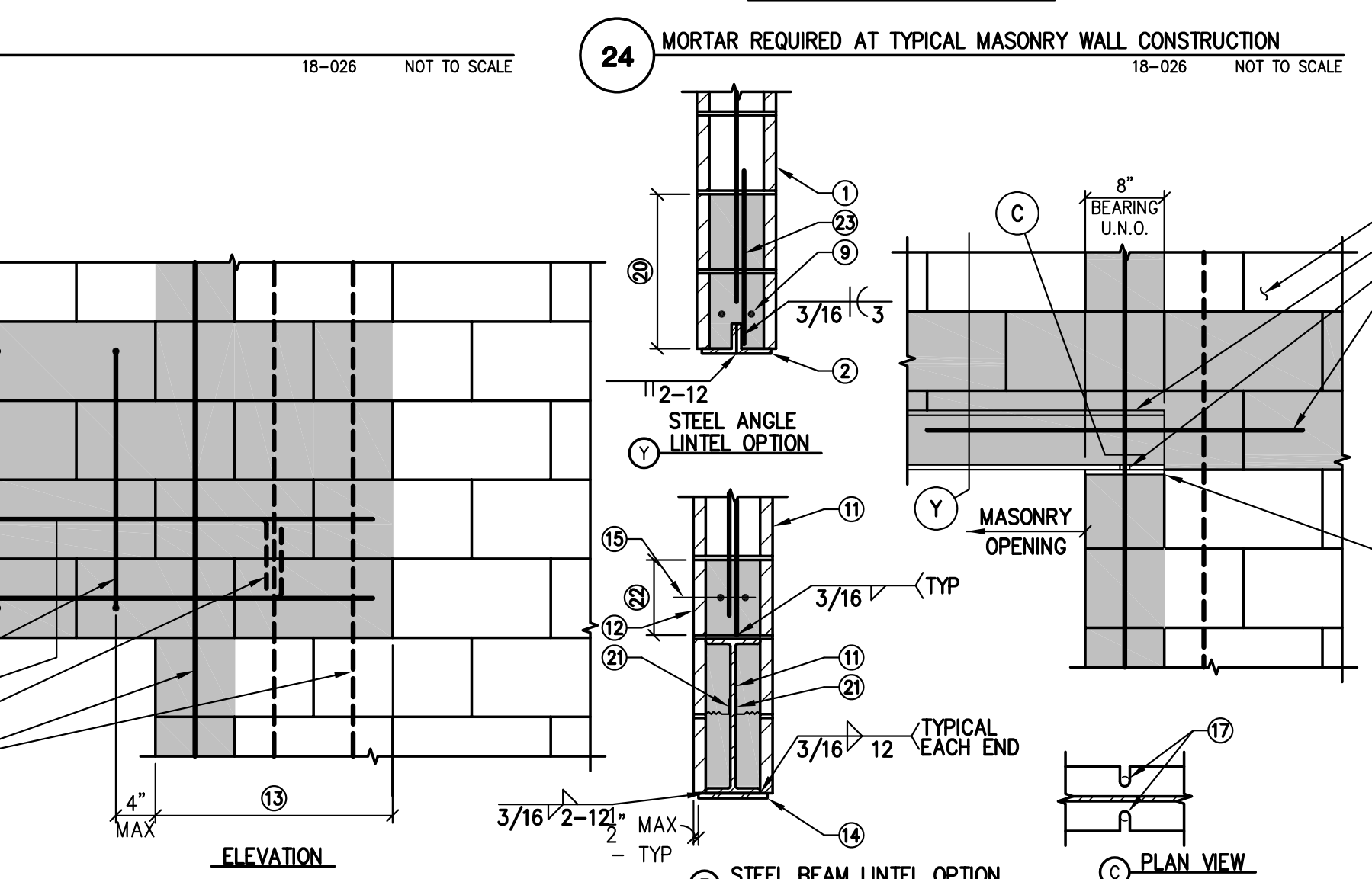
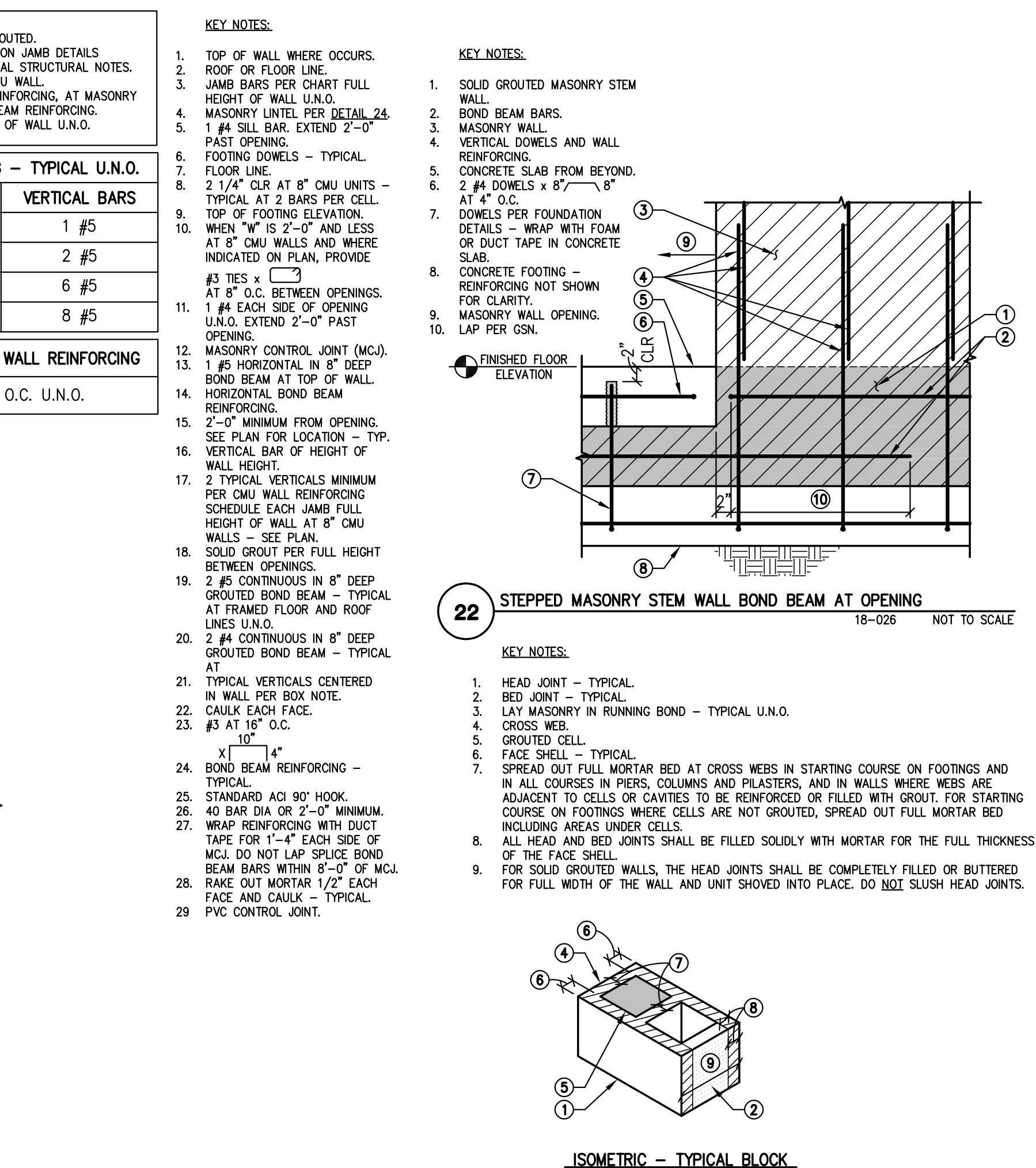
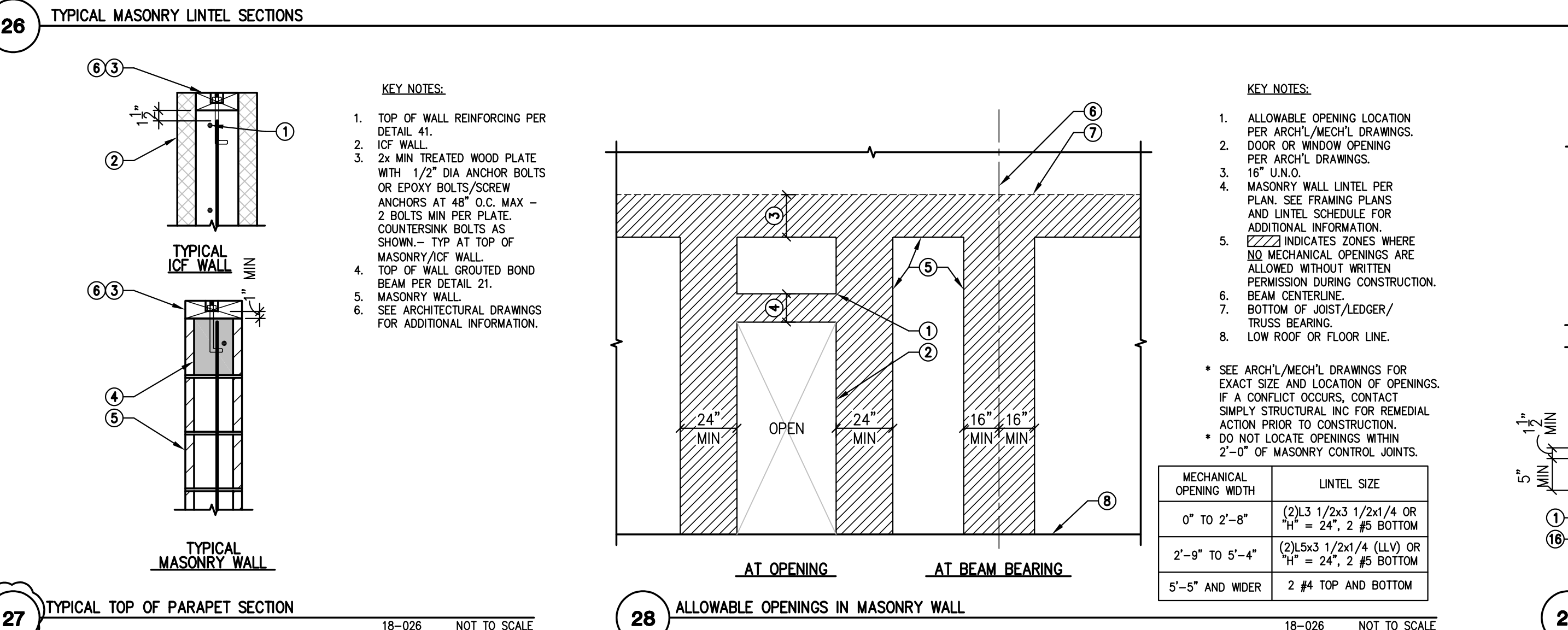
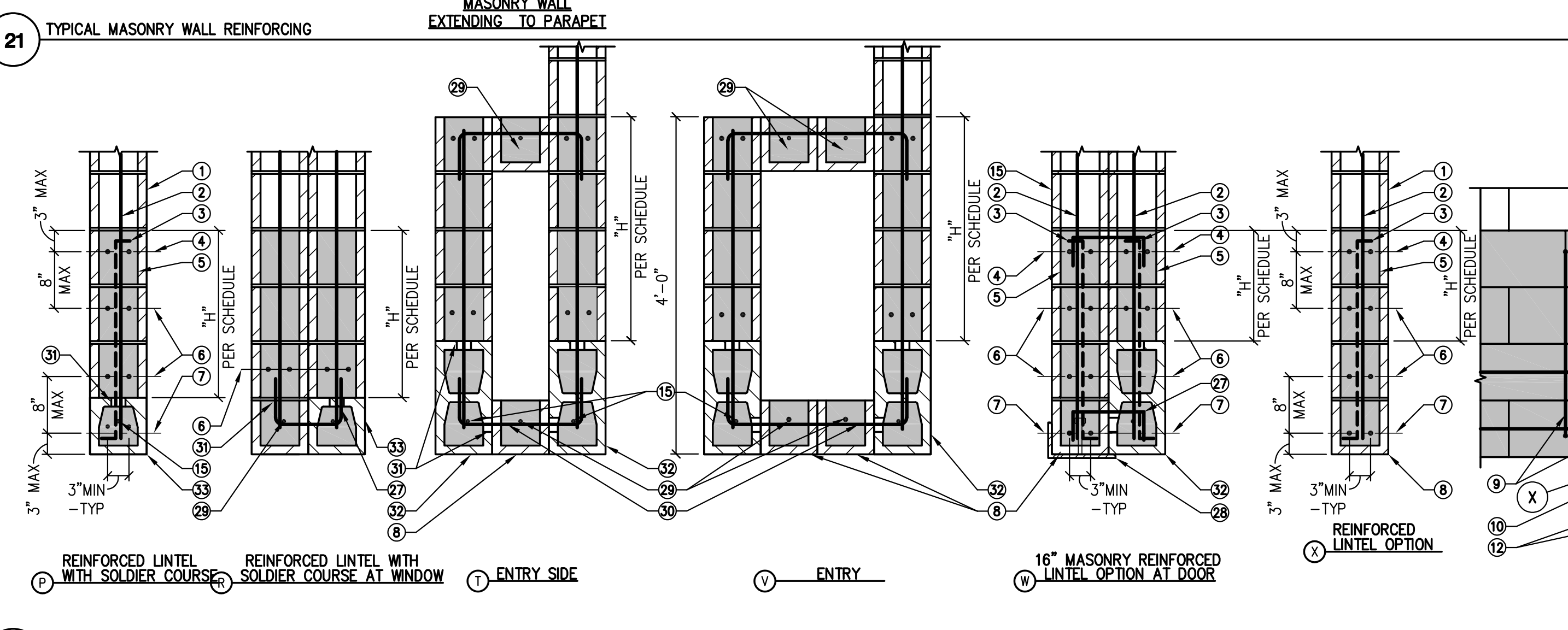
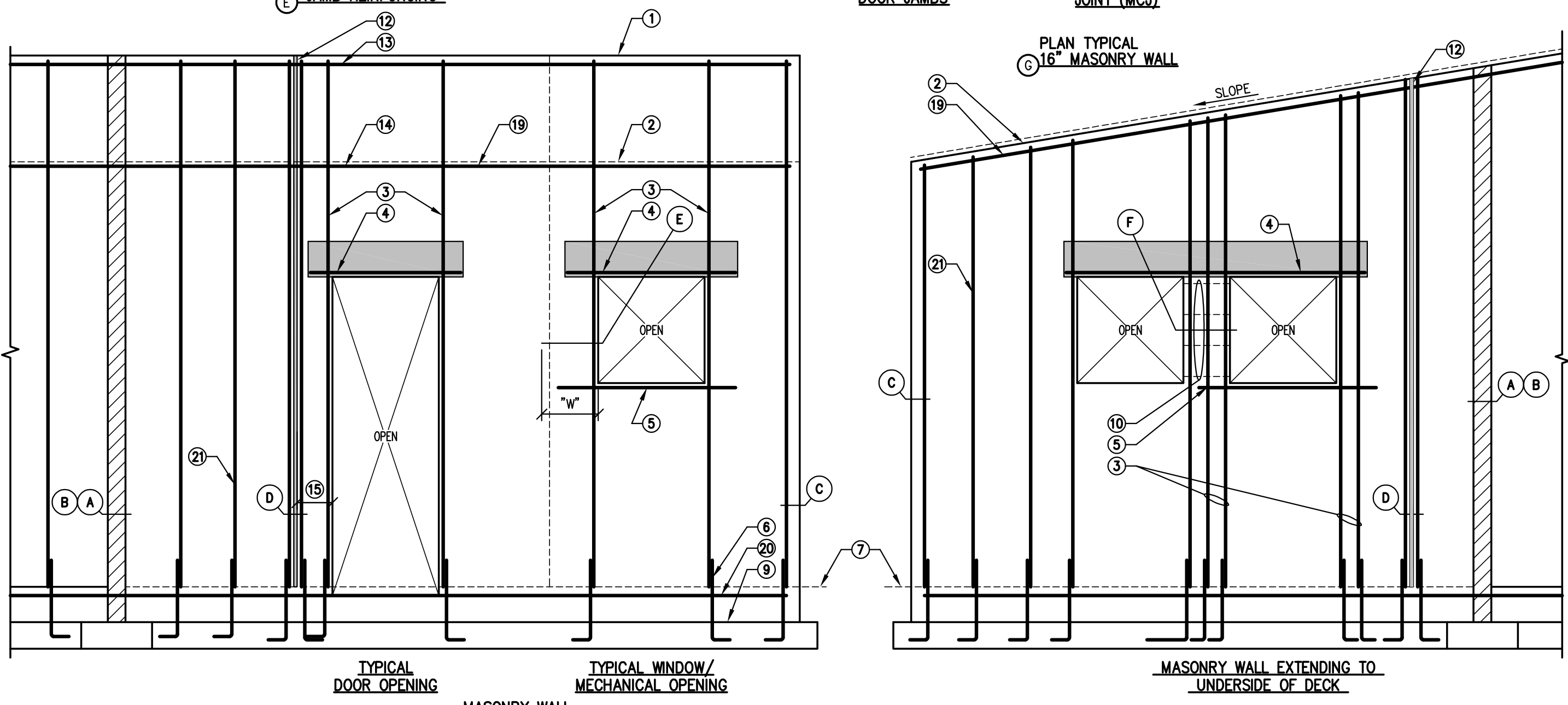
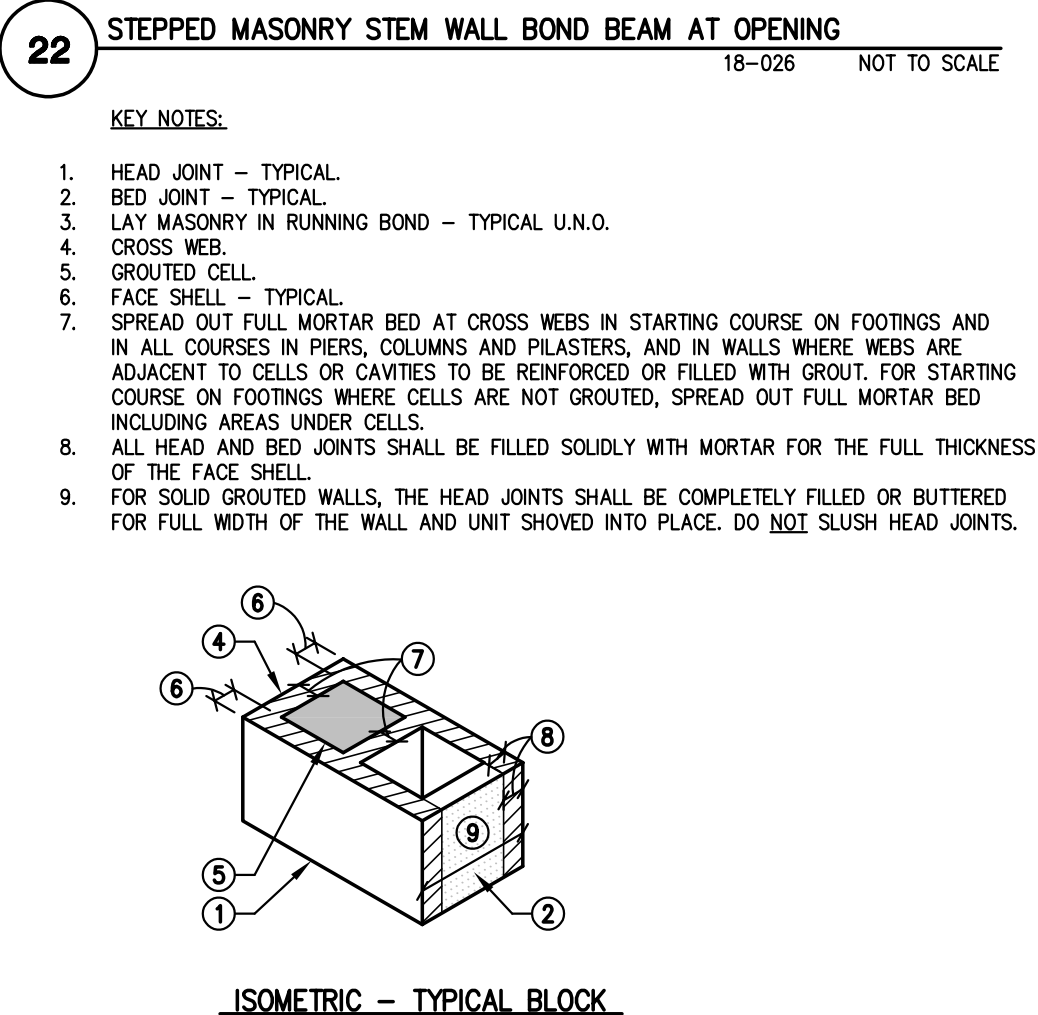
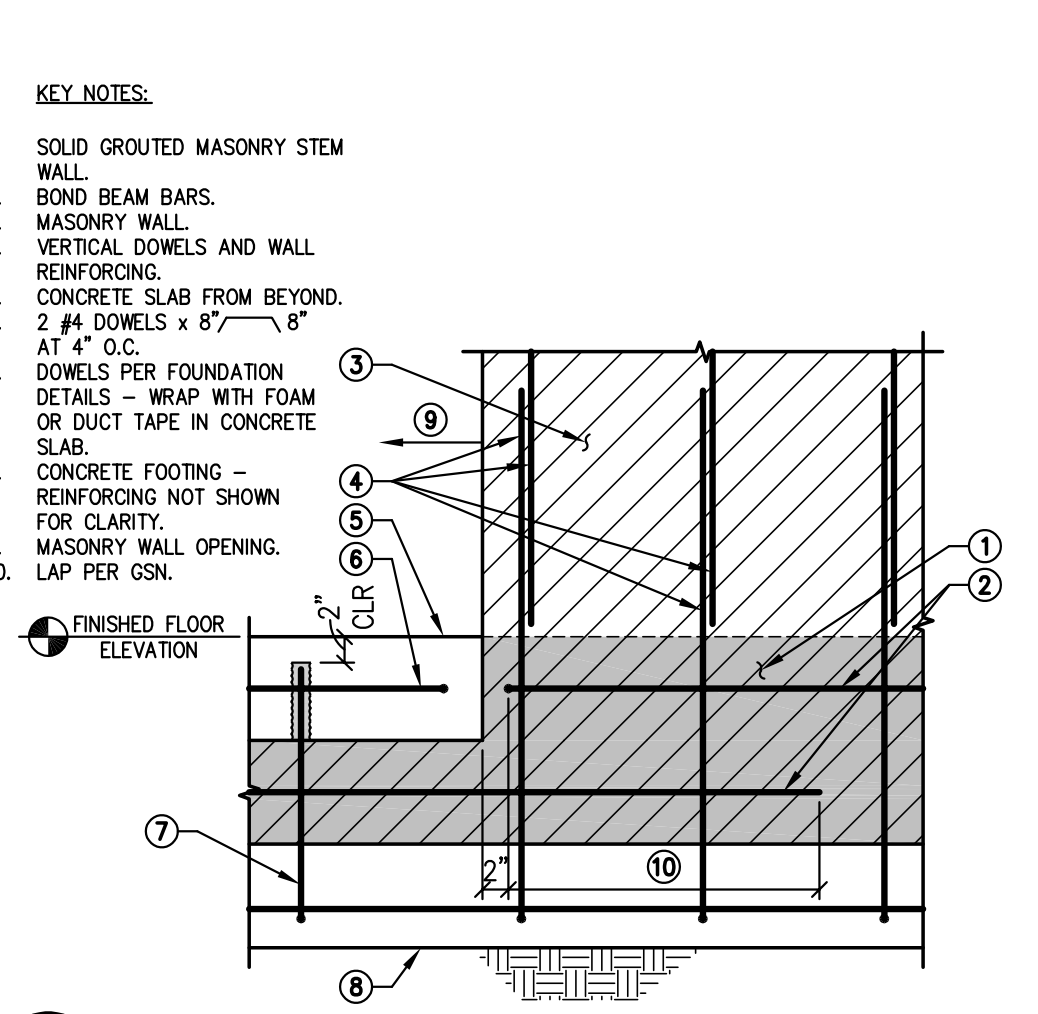
- ALL CELLS AND BOND BEAMS WITH REINFORCING SHALL BE GROUDED.
- WHERE 2 BARS PER CELL ARE INDICATED, LOCATE AS SHOWN ON JAMB DETAILS AND PROVIDE ADDITIONAL LAP SPICE LENGTH PER THE GENERAL STRUCTURAL NOTES.
- MASONRY CONTROL JOINTS SHALL EXTEND FULL HEIGHT OF CMU WALL.
- TERMINATE ALL HORIZONTAL REINFORCING, INCLUDING JOINT REINFORCING, AT MASONRY CONTROL JOINTS EXCEPT FLOOR, ROOF AND PARAPET BOND BEAM REINFORCING.
- SINGLE BARS SHALL BE ACCURATELY LOCATED AT CENTERLINE OF WALL U.O.

JAMB REINFORCING - TYPICAL U.O.	
OPENING WIDTH	VERTICAL BARS
0'-0" TO 2'-8"	1 #5
2'-9" TO 5'-4"	2 #5
5'-5" TO 10'-0"	6 #5
10'-1" TO 20'-0"	8 #5

TYPICAL VERTICAL WALL REINFORCING	
#5 AT 24" O.C. U.O.	



- KEY NOTES:
- TOP OF WALL WHERE OCCURS.
 - ROOF OR FLOOR LINE.
 - JAMB BARS PER CHART FULL HEIGHT OF WALL U.O.
 - MASONRY UNTEL PER DETAIL 24.
 - 1 #4 SILL BAR EXTEND 2'-0" PAST U.O.
 - FOOTING DOMELS - TYPICAL.
 - FLOOR LINE.
 - 2 1/4" CLR AT 8" CMU UNITS.
 - TYPICAL AT 2 BARS PER CELL.
 - TOP OF FOOTING ELEVATION.
 - WHEN "W" IS 2'-0" AND LESS AT 8" CMU WALLS AND WHERE INDICATED ON PLAN, PROVIDE 10"
 - #3 TIES x 4"
 - 1 #4 EACH SIDE OF OPENING. U.O. EXTEND 2'-0" PAST OPENING.
 - MASONRY CONTROL JOINT (MCJ).
 - 1 #5 HORIZONTAL IN 8" DEEP BOND BEAM AT TOP OF WALL.
 - HORIZONTAL BOND BEAM REINFORCING.
 - 2'-0" MINIMUM FROM OPENING. SEE PLAN FOR LOCATION - TYP.
 - VERTICAL BAR OF HEIGHT OF WALL HEIGHT.
 - 2 TYPICAL VERTICALS MINIMUM PER CMU WALL REINFORCING SCHEDULE EACH JAMB FULL HEIGHT OF WALL AT 8" CMU WALLS - SEE PLAN.
 - SOLID GROUT PER FULL HEIGHT BETWEEN OPENINGS.
 - 2 #5 CONTINUOUS IN 8" DEEP GROUDED BOND BEAM - TYPICAL AT FRAMED FLOOR AND ROOF LINES U.O.
 - 2 #4 CONTINUOUS IN 8" DEEP GROUDED BOND BEAM - TYPICAL AT.
 - TYPICAL VERTICALS CENTERED IN WALL PER BOX NOTE.
 - CAULK EACH FACE.
 - GROUDED CELL.
 - FACE SHELL - TYPICAL.
 - SPREAD OUT FULL MORTAR BED AT CROSS WEBS IN STARTING COURSE ON FOOTINGS AND IN ALL COURSES IN PIERS, COLUMNS AND PLASTERS, AND IN WALLS WHERE WEBS ARE ADJACENT TO CELLS OR CAVITIES TO BE REINFORCED OR FILLED WITH GROUT. FOR STARTING COURSE ON FOOTINGS WHERE CELLS ARE NOT GROUDED, SPREAD OUT FULL MORTAR BED INCLUDING AREAS UNDER CELLS.
 - ALL HEAD AND BED JOINTS SHALL BE FILLED SOLIDLY WITH MORTAR FOR THE FULL THICKNESS OF THE FACE SHELL.
 - FOR SOLID GROUDED WALLS, THE HEAD JOINTS SHALL BE COMPLETELY FILLED OR BUTTERED FOR FULL WIDTH OF THE WALL AND UNIT SHOVED INTO PLACE. DO NOT SLUSH HEAD JOINTS.
 - PVC CONTROL JOINT.



Revisions	Date
1. CITY COMMENTS	3/11/24

Designed By: DGS
 Drawn By: KAF
 Checked By: DGS
 Date: 12/14/2023
 Phase: PERMIT

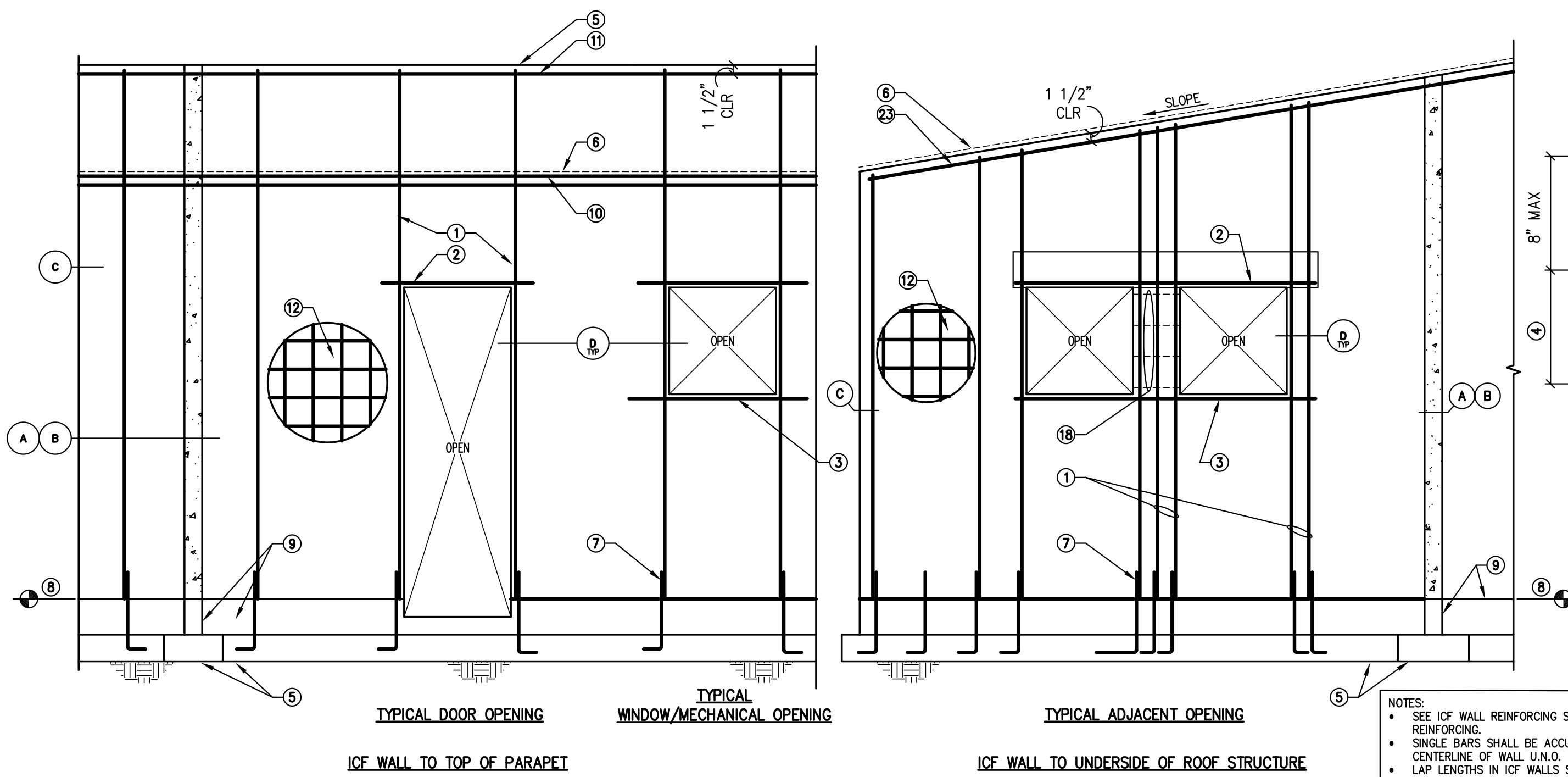
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 2929 North Chandler Avenue, Suite # 1600
 Phoenix, Arizona 85012
 480.951.5900 480.951.3045 f
 permanar.com

FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
 Index No: **FD57100020-3**

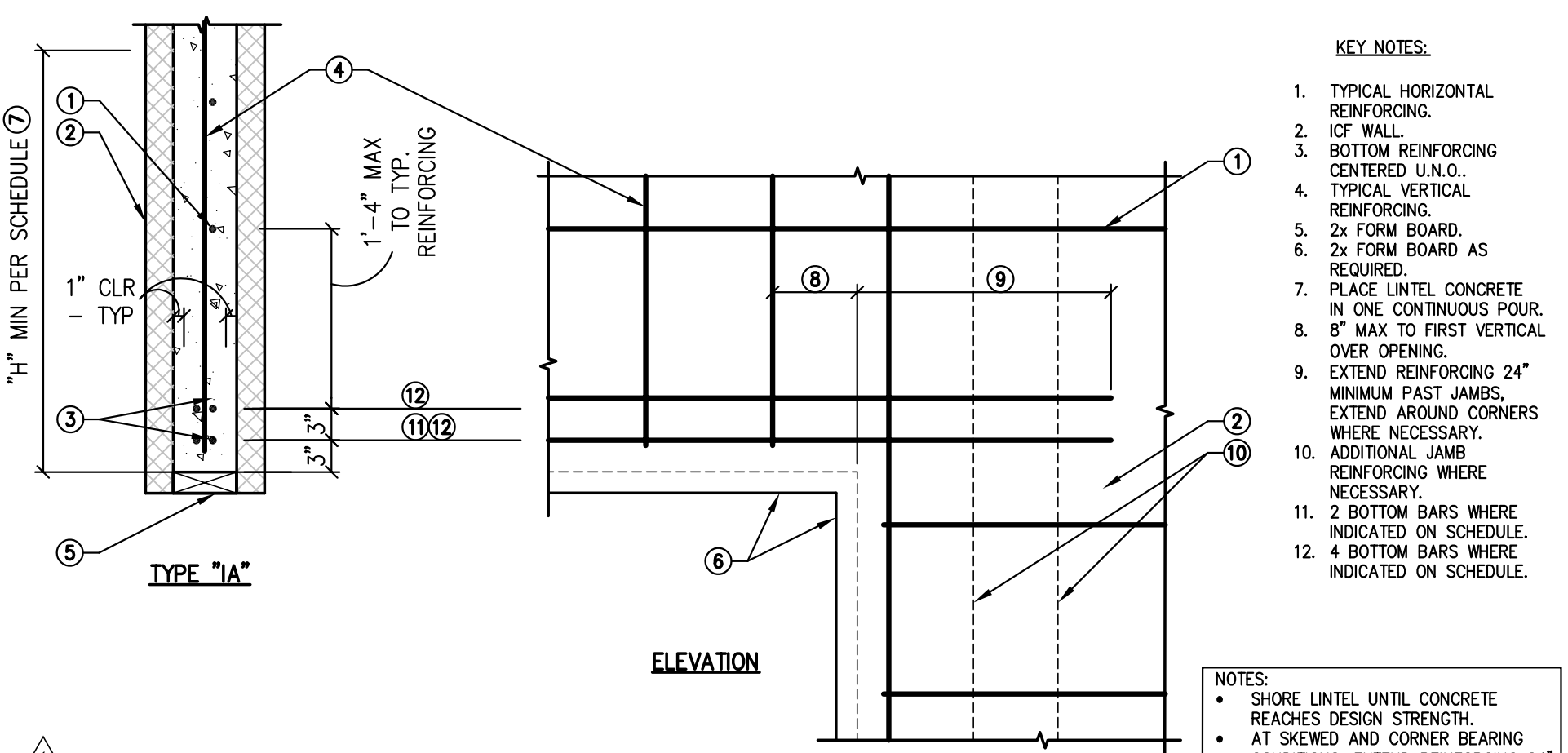
Simply Structural #23-168
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 730 N. 52nd Street, Suite 105
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 dgs@simplystructural.com

KIVA # 23-1810
 SDEV # 2300473

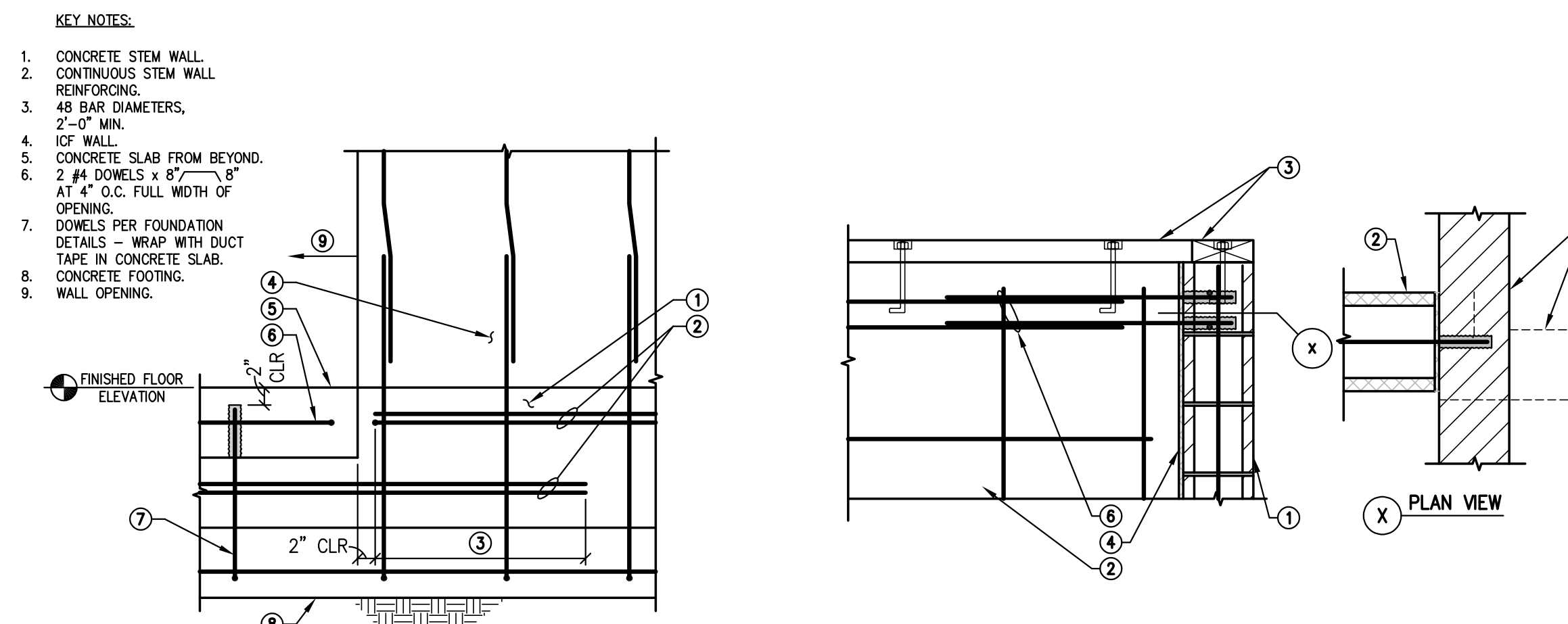
TYPICAL DETAILS 21-40
S2.02



41 TYPICAL ICF WALL REINFORCING



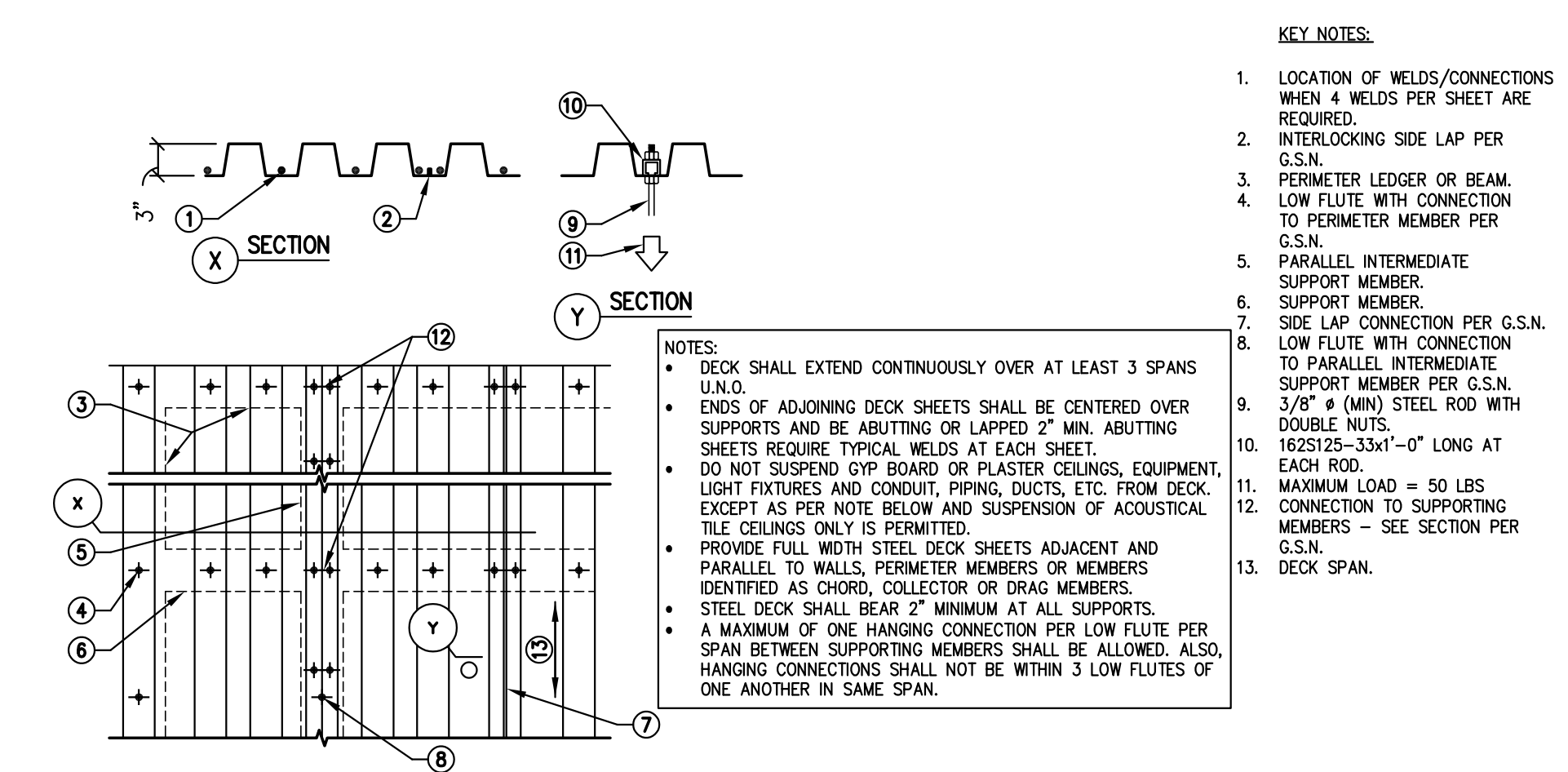
42 TYPICAL REINFORCED LINTEL AT ICF WALL



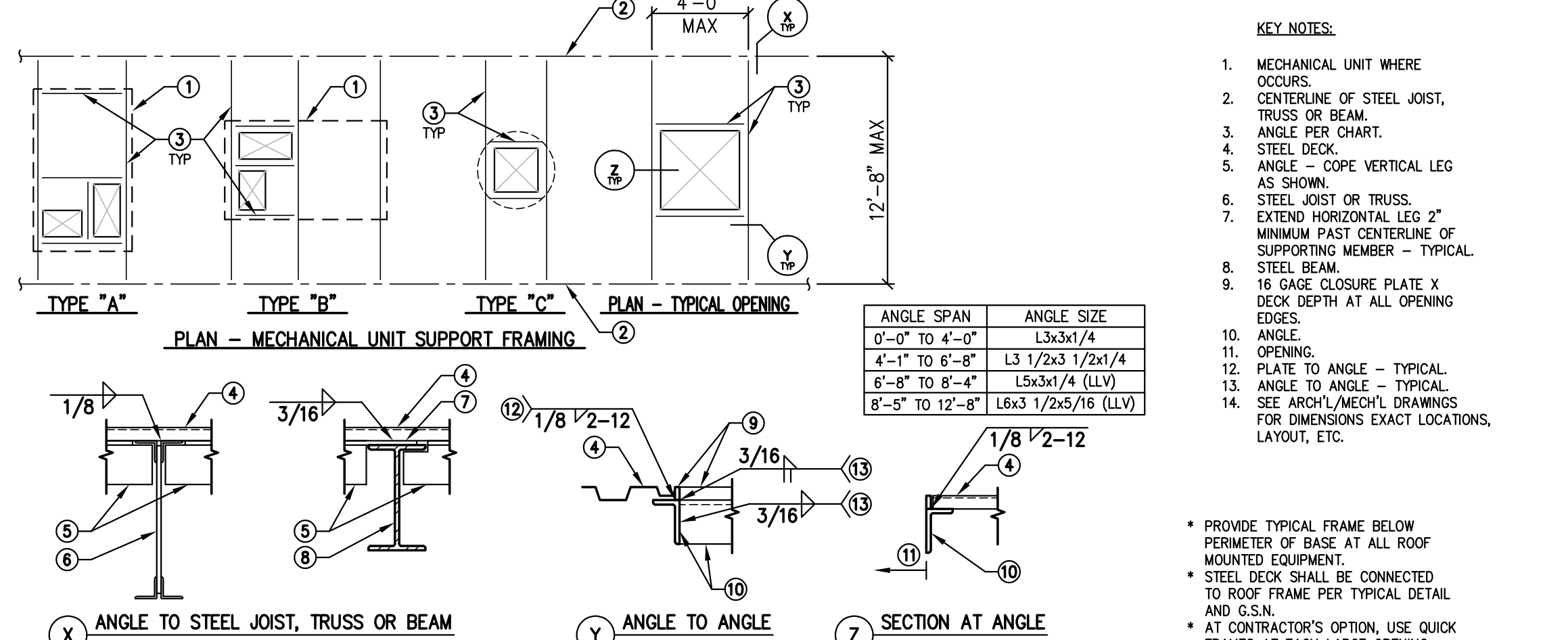
43 STEPPED REINFORCING IN CONCRETE STEM AT ICF WALL OPENING



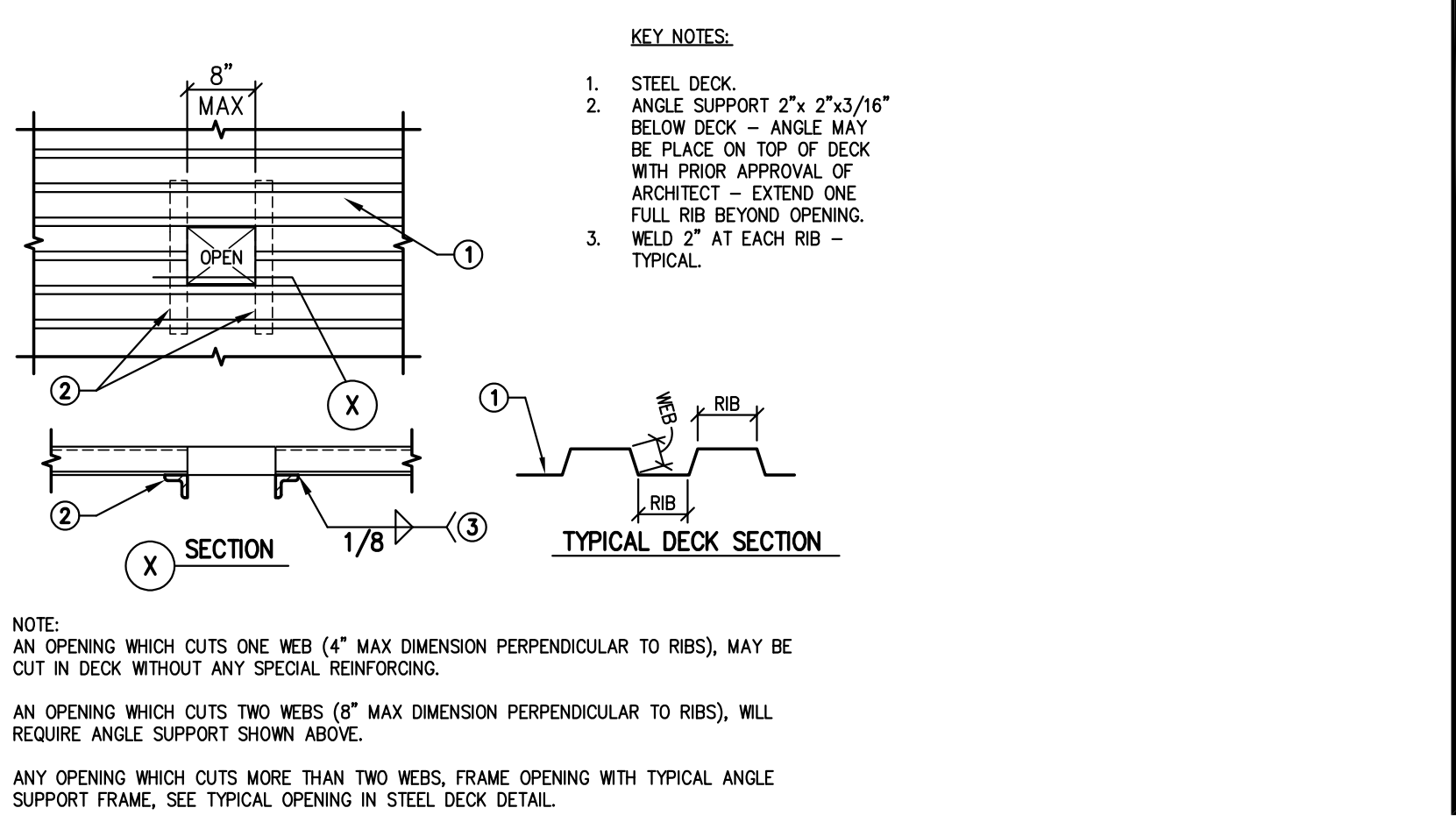
44 TYPICAL MASONRY WALL AT ICF WALL CONNECTION



46 TYPICAL 3'x24" WIDE STEEL ROOF DECK ATTACHMENT



47 TYPICAL FRAMING AT LARGE OPENING IN STEEL ROOF DECK OR BELOW ROOF MOUNTED EQUIPMENT



48 TYPICAL SMALL OPENING IN STEEL DECK

11 1/4" ICF WALL (6" CONCRETE CORE) REINFORCING SCHEDULE

LOCATION	NOTES
TYPICAL THROUGHOUT	#4 AT 16" O.C. U.N.O.
VERTICAL REINFORCING	
JAMBS U.N.O.	
AT OPENINGS UP TO 4'-0"	1 #4
AT OPENINGS 4'-1" TO 6'-0"	2 #4 CENTERED
AT OPENINGS 6'-1" TO 10'-0"	3 #4 CENTERED
AT OPENINGS 10'-0" OR GREATER U.N.O.	3 #4 EACH FACE
HORIZONTAL REINFORCING	
TYPICAL THROUGHOUT	#4 AT 16" O.C. U.N.O.
TOP OF PARAPET	1 #4
LINTELS	SEE DETAIL 42 AND SCHEDULE

- KEY NOTES:**
- JAMB BARS PER CHART. REINFORCING PER LINTEL SCHEDULE AND DETAIL 42 - TYP AT OPENINGS.
 - 1 #4 SILL BAR - TYP UNDER OPENINGS. EXTEND 2'-0" MIN PAST OPENING.
 - TYPICAL SPACING U.N.O.
 - CONCRETE FOOTING.
 - ROOF LINE.
 - FOOTING DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING - TYP.
 - FLOOR LINE.
 - CONCRETE STEM WALL WITH TOP REINFORCING.
 - 2 #4 CONTINUOUS AT ROOF LINE - SLOPE TO MATCH ROOF SLOPE.
 - 1 #4 CONTINUOUS U.N.O. 1 #4 CONTINUOUS AT TOP OF PARAPET - SLOPE TO WALL SLOPE.
 - TYPICAL REINFORCING PER CHART.
 - #4x2'-0"x2'-0" CORNER BARS - TO MATCH AND LAP WITH HORIZONTAL REINFORCING - ALTERNATE DIRECTION.
 - #4x2'-0"x2'-0" CORNER BARS - TO MATCH AND LAP WITH HORIZONTAL REINFORCING - ALTERNATE DIRECTION.
 - 2x FORM - TYP.
 - 1 #4 VERTICAL U.N.O.
 - 1 #4 IN CORNER/INTERSECTION U.N.O.
 - #3 TIES x () AT 6" O.C. WHERE JAMB WIDTH IS 2'-0" AND LESS.

Revisions

City COMMENTS

3/11/24

Professional Engineer Seal

Designed By: DGS

Drawn By: KAF

Checked By: DGS

Date: 12/14/2023

Phase: PERMIT

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FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
Index No: **FD57100020-3**

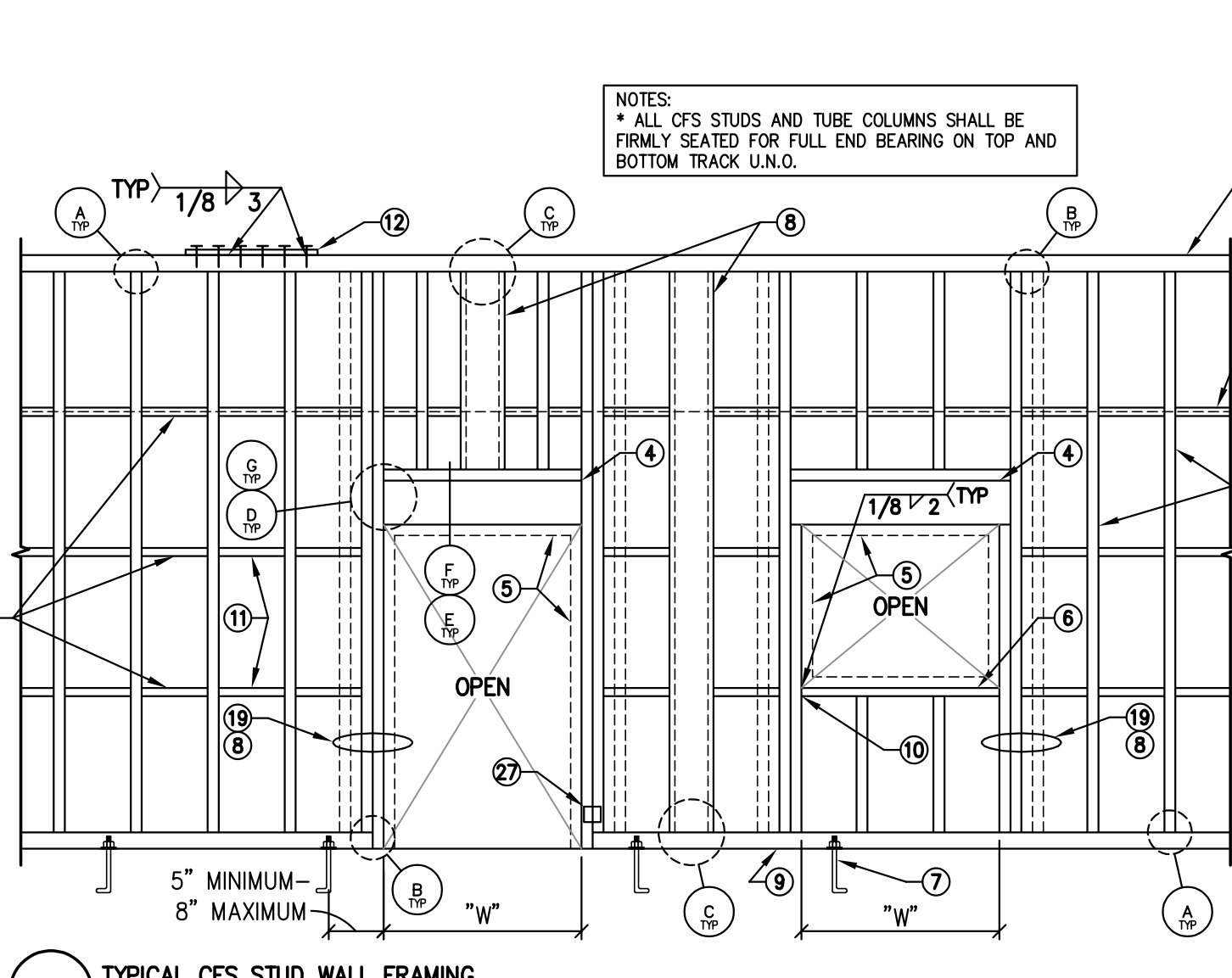
Simply Structural #23-168
ENG:DGS

602-443-0303
Fax 602-443-9404
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Phoenix, Arizona 85008
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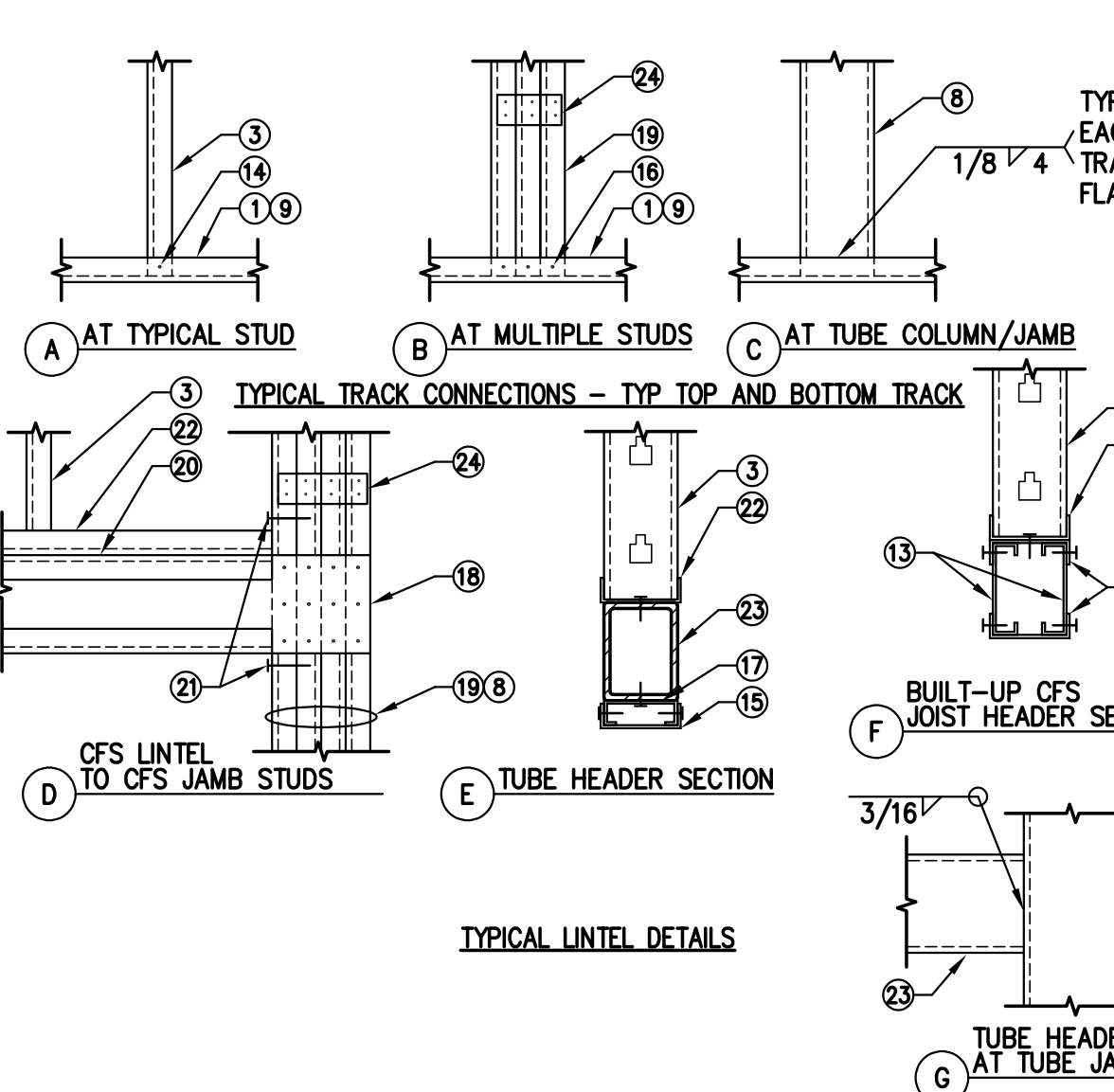
KIVA # 23-1810
SDEV # 2300473

TYPICAL DETAILS 41-60 S2.03

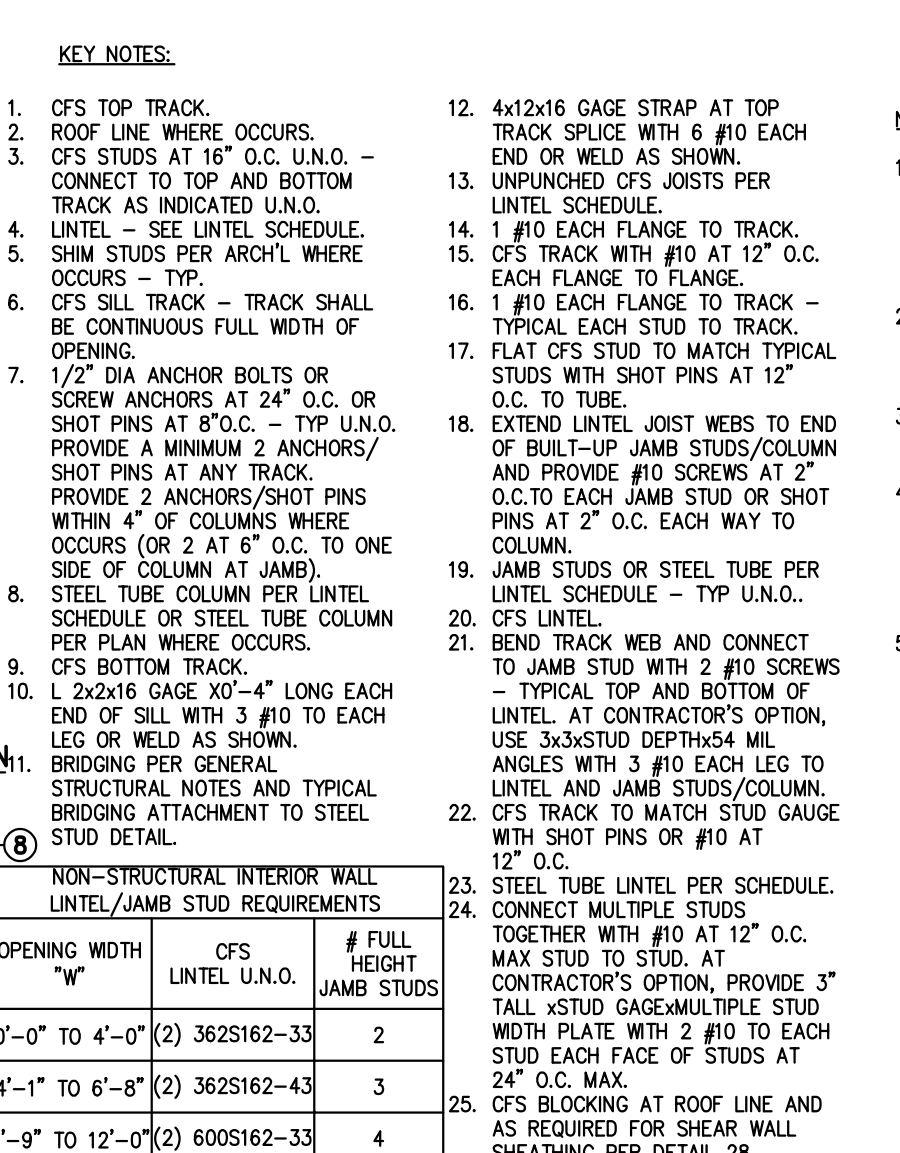
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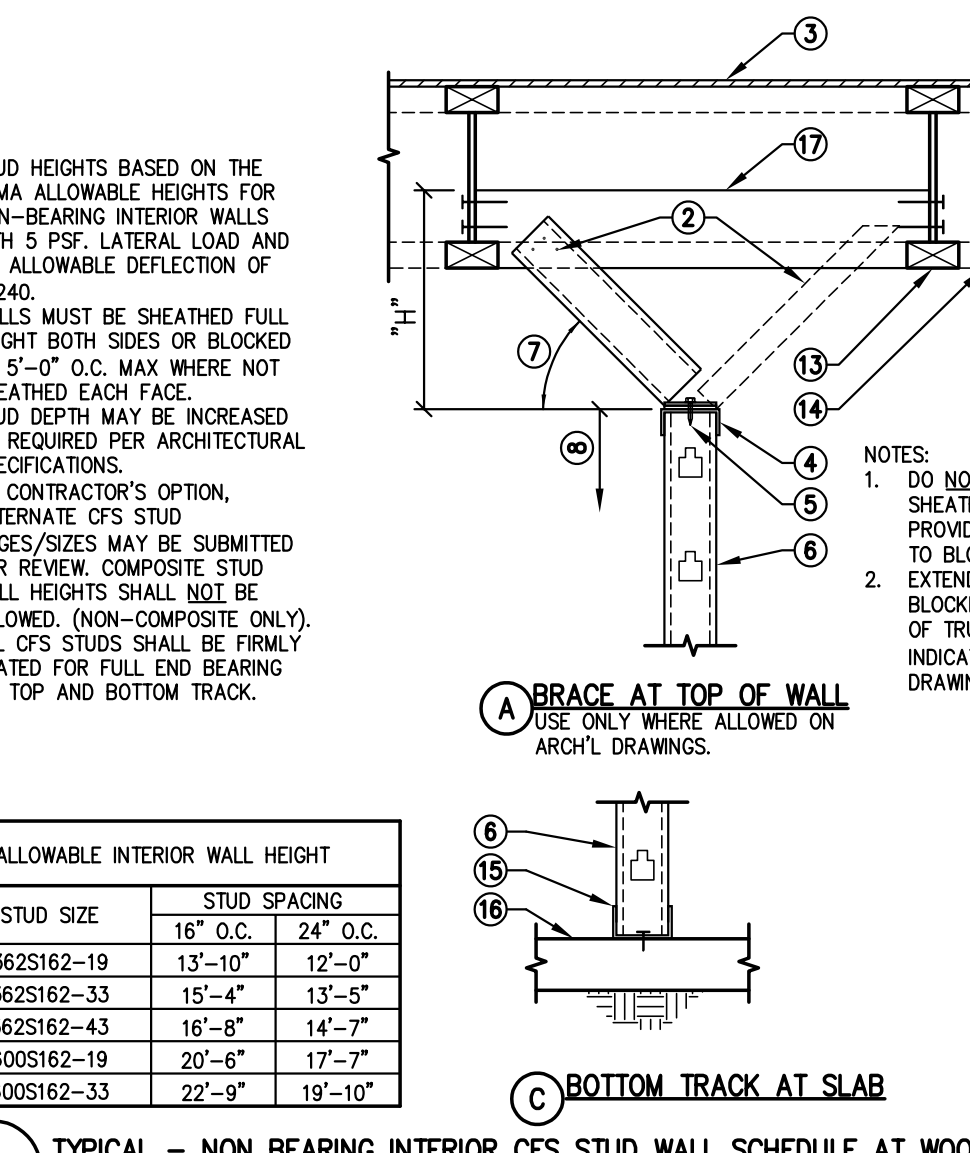
61 TYPICAL CFS STUD WALL FRAMING



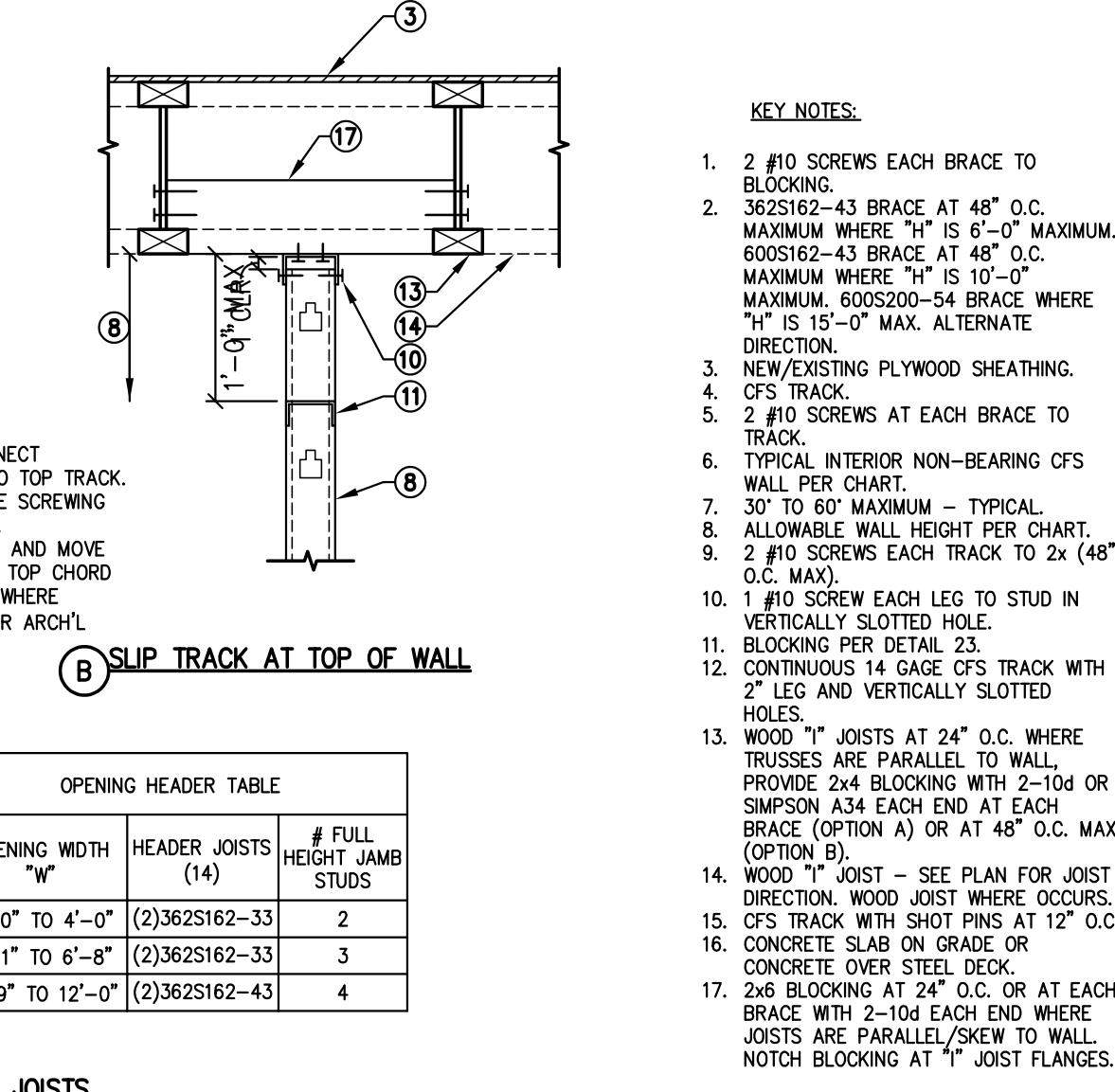
62 TYPICAL - NON BEARING INTERIOR CFS STUD WALL SCHEDULE AT WOOD "I" JOISTS



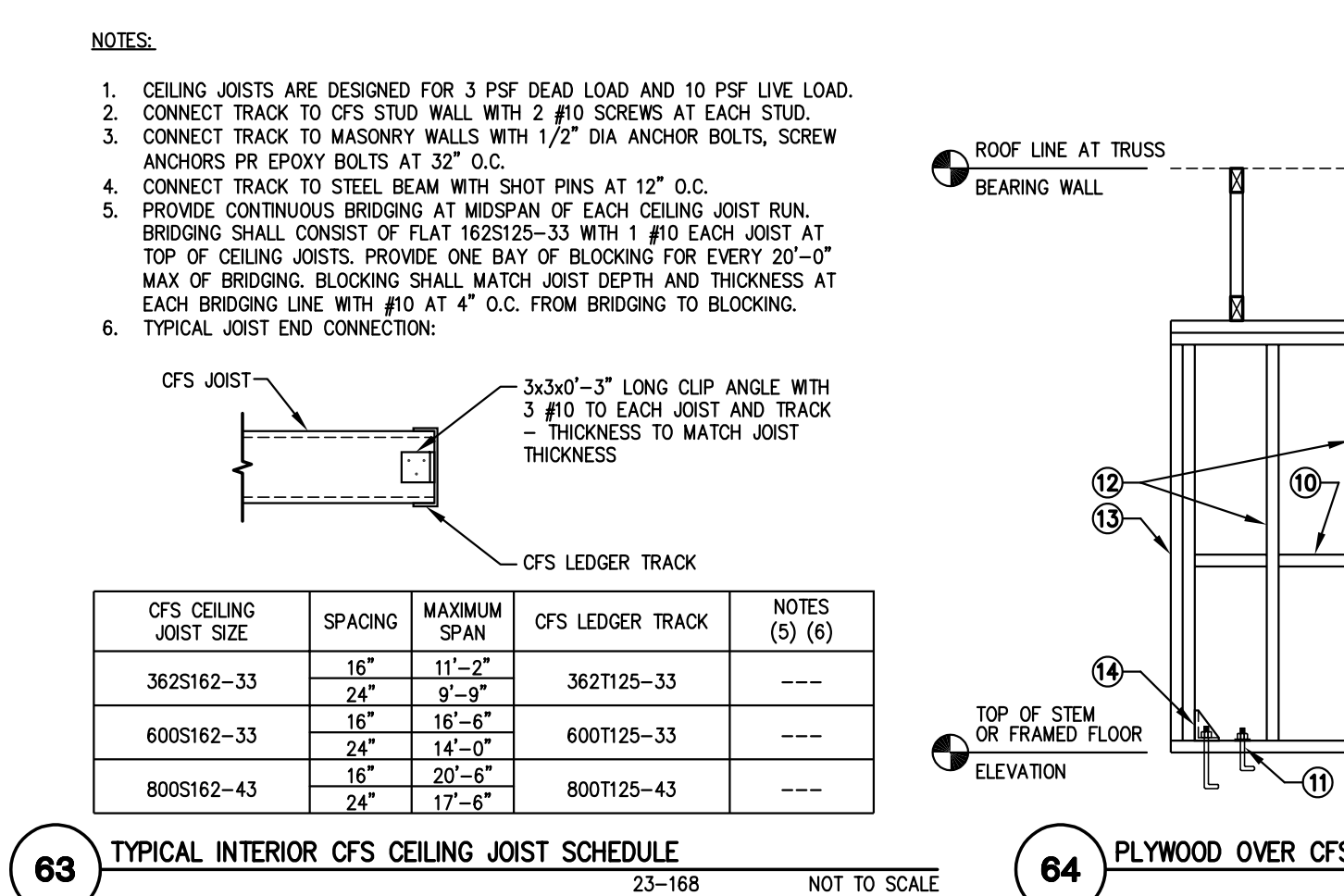
63 TYPICAL INTERIOR CFS CEILING JOIST SCHEDULE



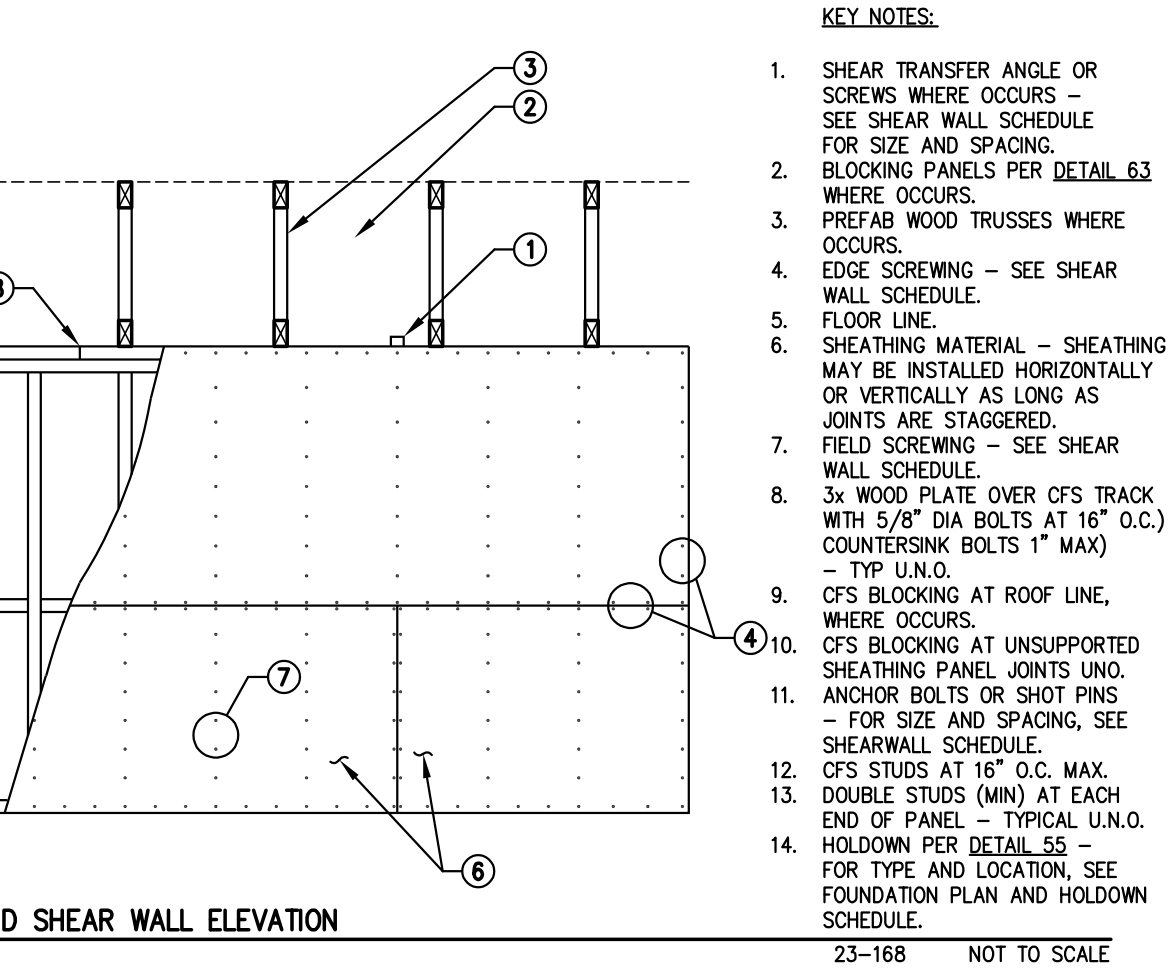
64 PLYWOOD OVER CFS STUD SHEAR WALL ELEVATION



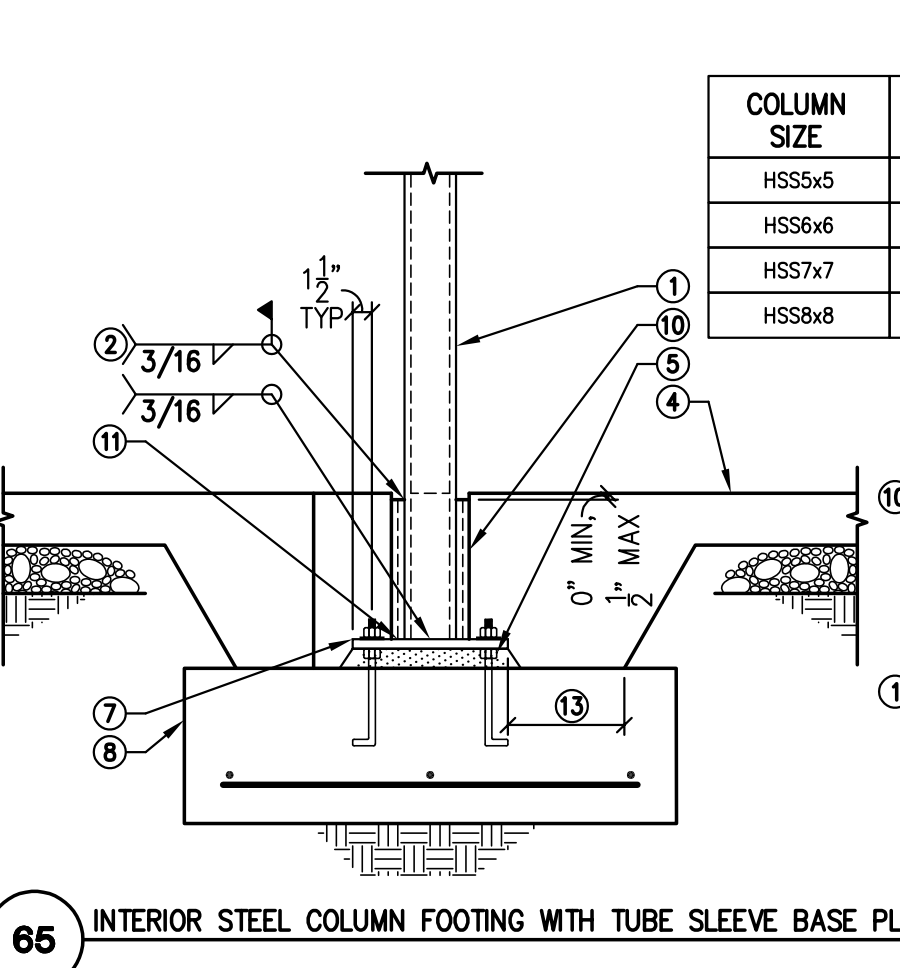
65 INTERIOR STEEL COLUMN FOOTING WITH TUBE SLEEVE BASE PLATE



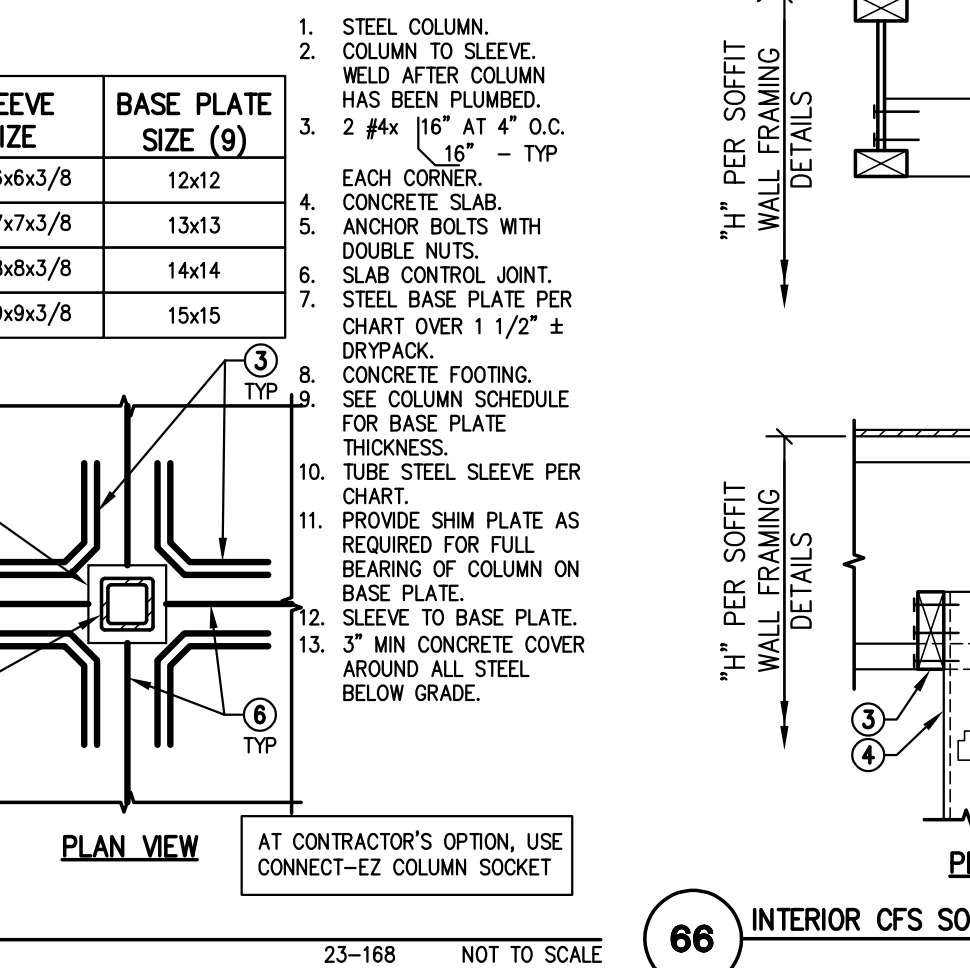
66 INTERIOR CFS SOFFIT FRAMING AND BRACES AT PREFAB WOOD "I" JOISTS



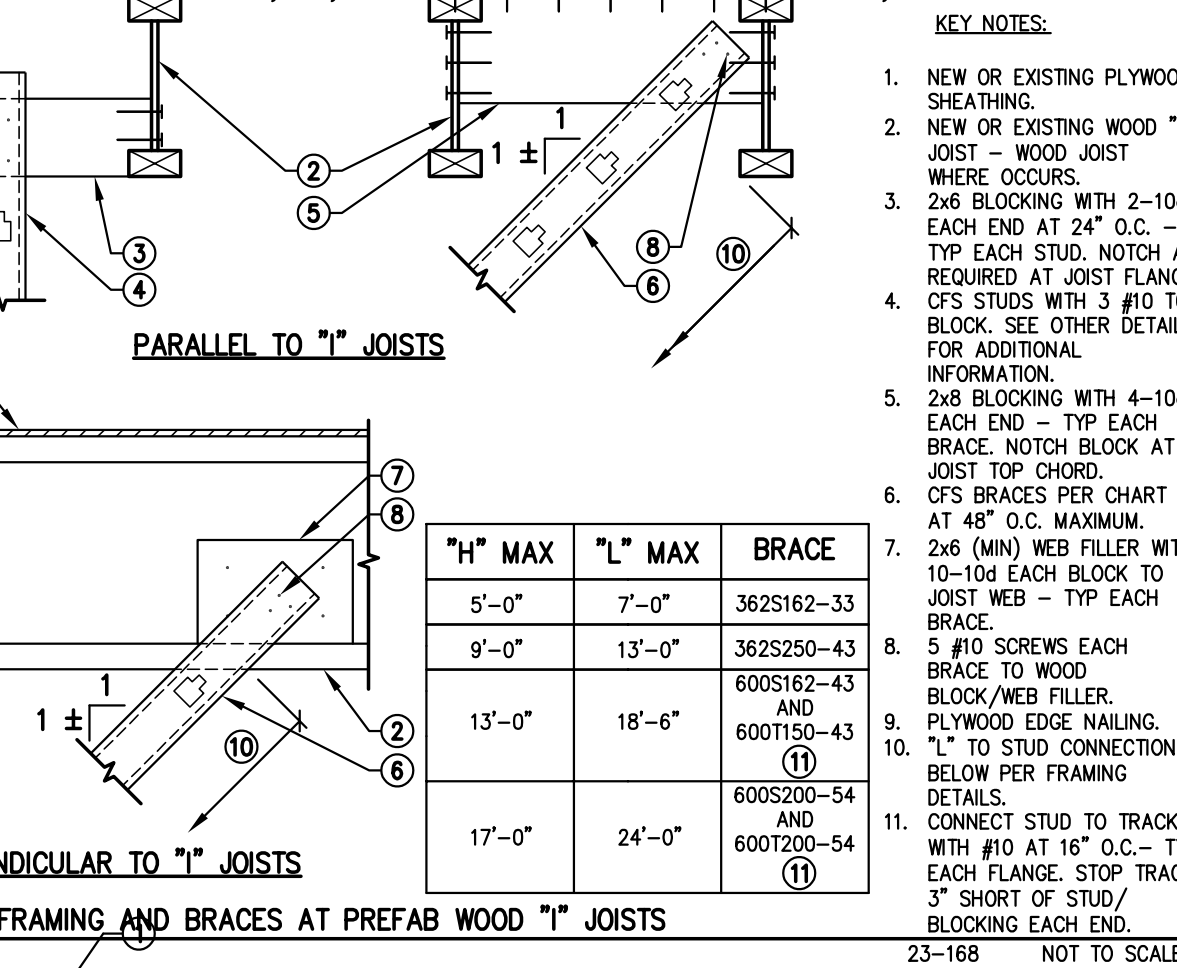
67 TYPICAL CONNECTION OF NON-BEARING INTERIOR CFS STUD WALL PARTITION TO WOOD "I" JOISTS



68 TYPICAL ROOF FRAMING AROUND SMALL OPENING

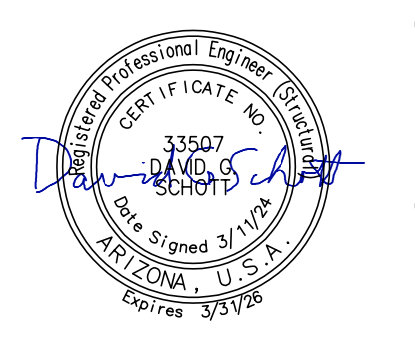


69 LARGE OPENING IN PREFABRICATED WOOD ROOF TRUSS FRAMING



70 ELEVATION - DRAINAGE OPENING IN MASONRY SITE WALL

Revisions	Date



Designed By: DGS
 Drawn By: KAF
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 Date: 12/14/2023
 Phase: PERMIT

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Title: **FIRE STATION #74**
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
 Index No: **FD57100020-3**



KIVA # 23-1810
 SDEV # 2300473

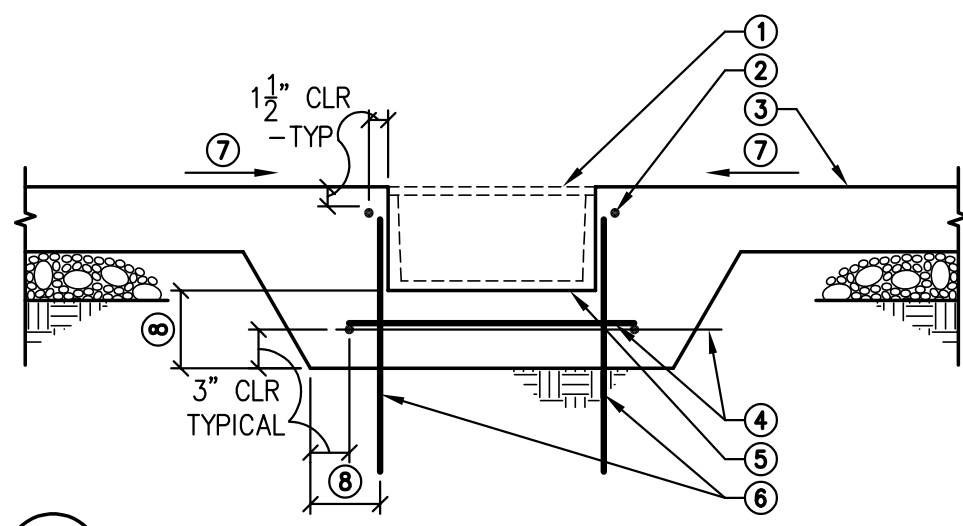
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CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

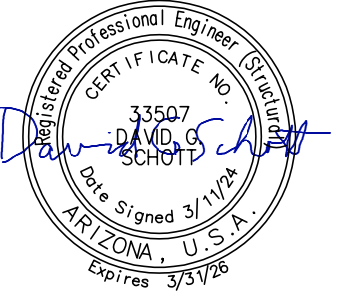
KEY NOTES:

1. GRATE AND CONNECTION TO DRAIN PER MFR.
2. 1 #4 CONT. ALL AROUND - TYPICAL.
3. CONCRETE SLAB - TYPICAL.
4. 2 #4 EACH WAY.
5. AREA DRAIN - SEE ARCH'L AND PLUMBING DRAWINGS.
6. #3 DOWEL (MIN) AS REQUIRED FOR SETTING. WRAP DOWELS WITH DUCT TAPE FULL LENGTH.
7. SLOPE SLAB TO DRAIN.
8. 6" MIN. - COORDINATE WITH DRAIN MFR - TYPICAL.
9. SEE ARCH'L DRAWINGS.



121 AREA DRAIN AT CONCRETE SLAB
23-168 NOT TO SCALE

Revisions	Date



Designed By:
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Checked By:
DGS

Date:
12/14/2023

Phase:
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Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**
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KIVA # 23-1810
SDEV # 2300473

FOUNDATION
DETAILS 121-140
S3.02

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Revisions	Date
△ CITY COMMENTS	3/11/24



Designed By:
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Date:
12/14/2023

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Title:
FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
Index No:
FD57100020-3

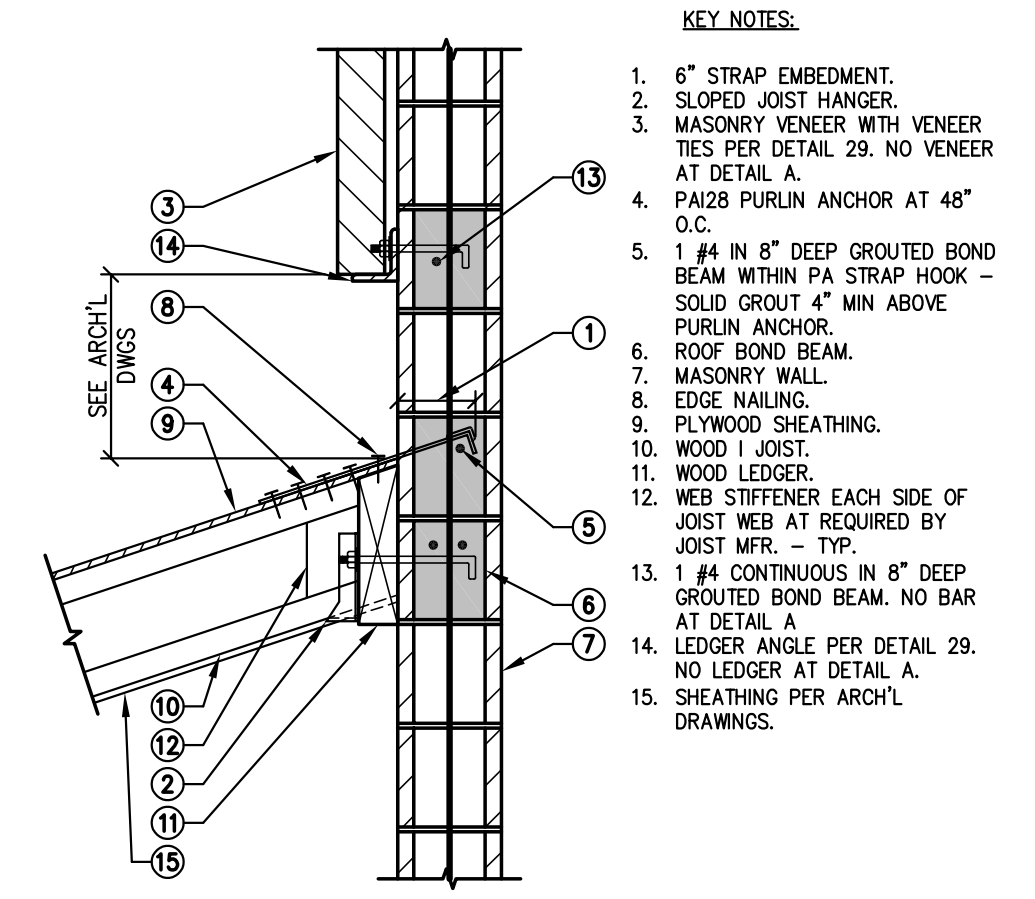
Simply Structural Inc.
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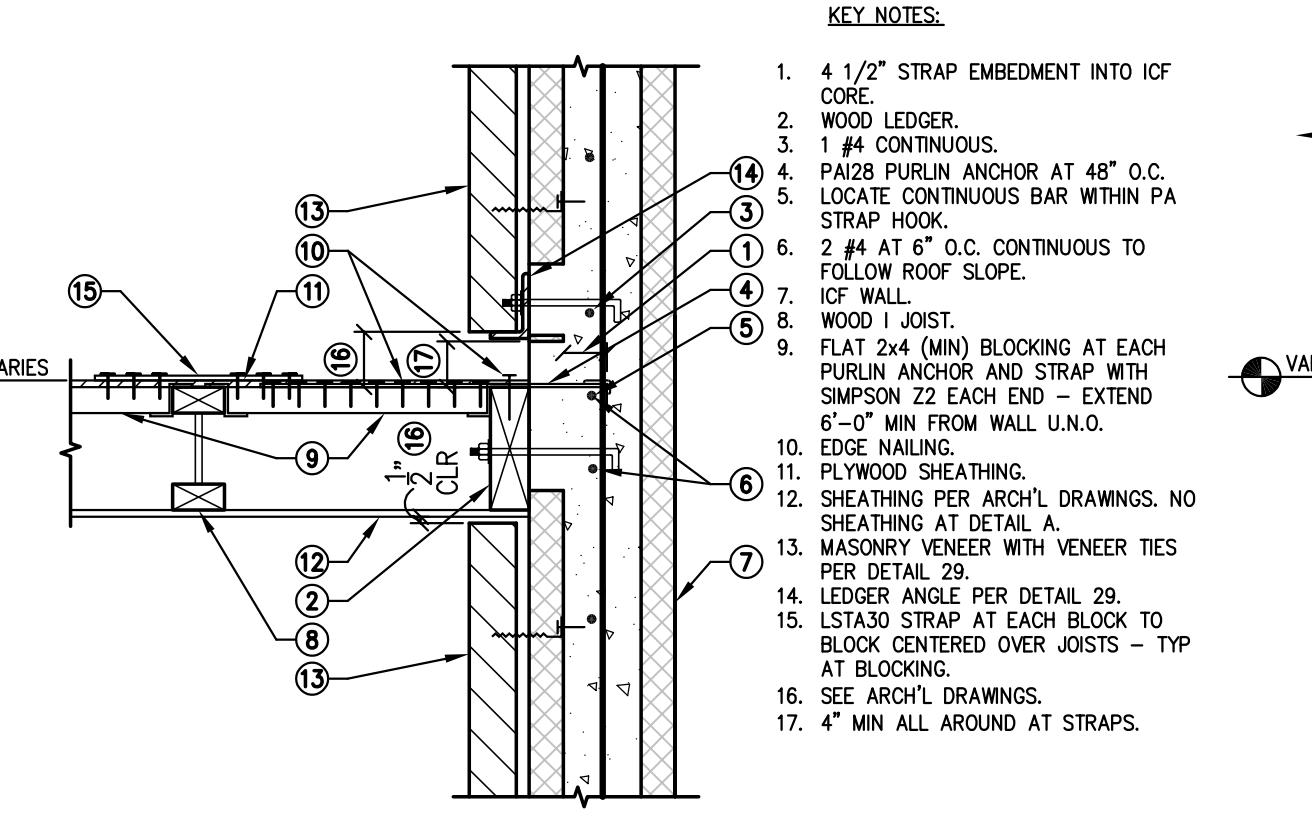
KIVA # 23-1810
SDEV # 2300473

FRAMING DETAILS
201-220
S4.01

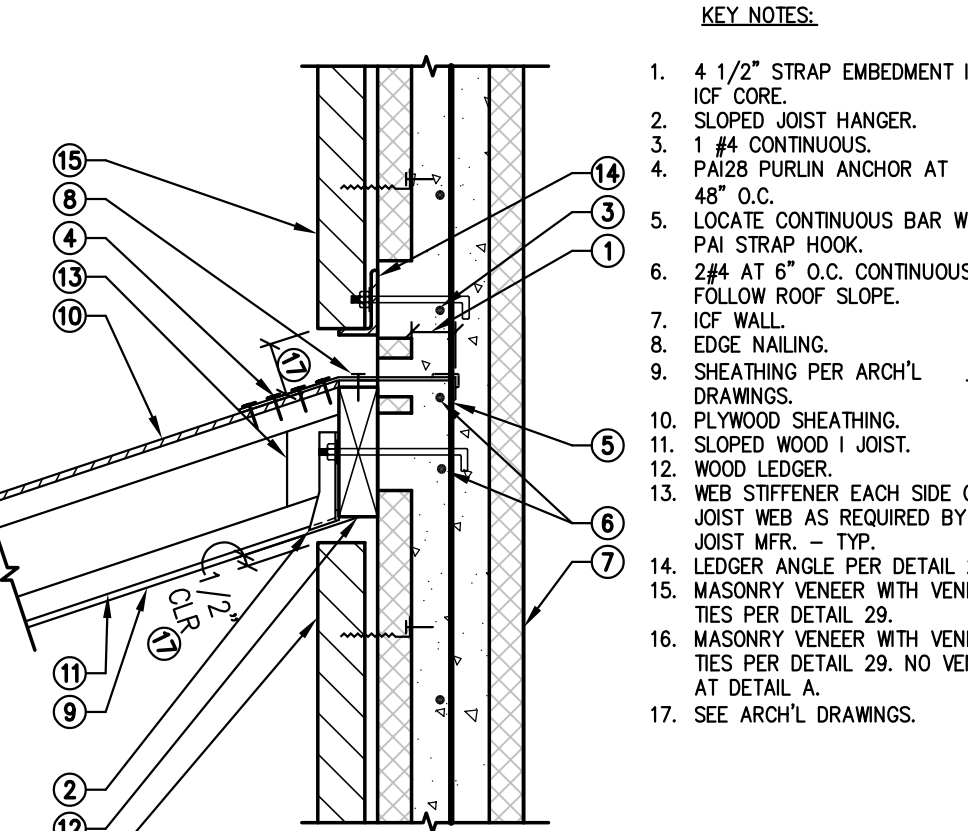
CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL



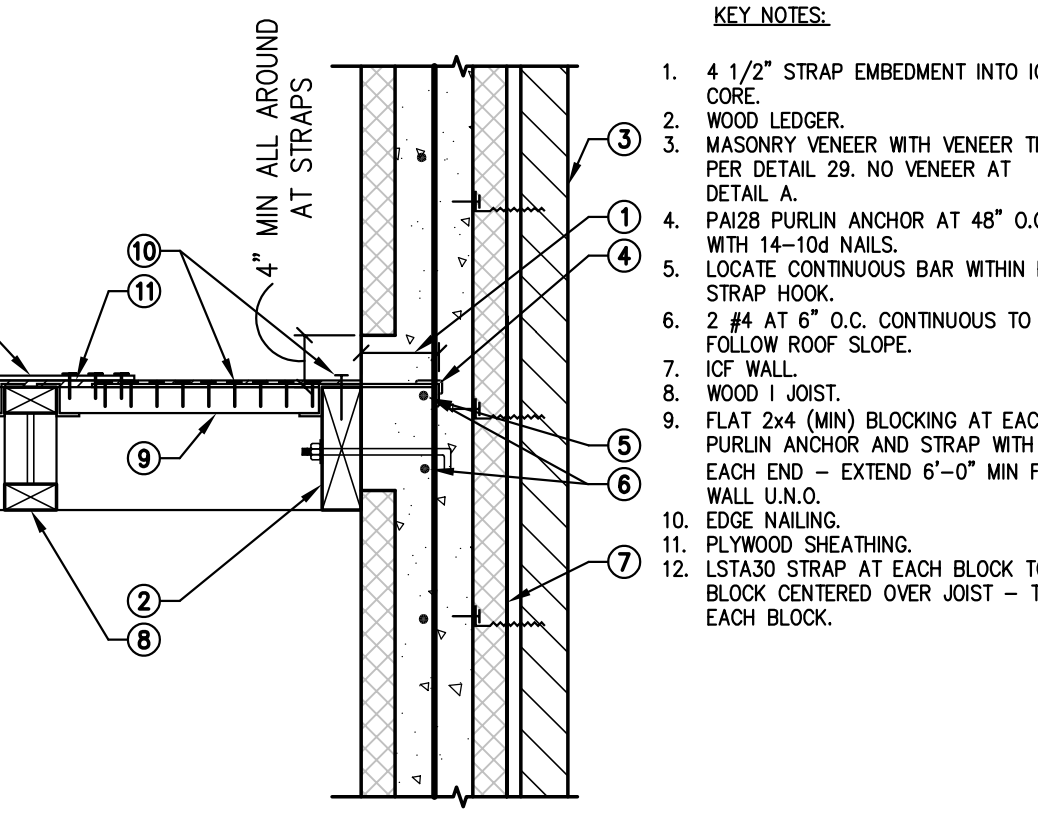
205 SLOPED WOOD I JOIST AT MASONRY WALL
23-168 NOT TO SCALE



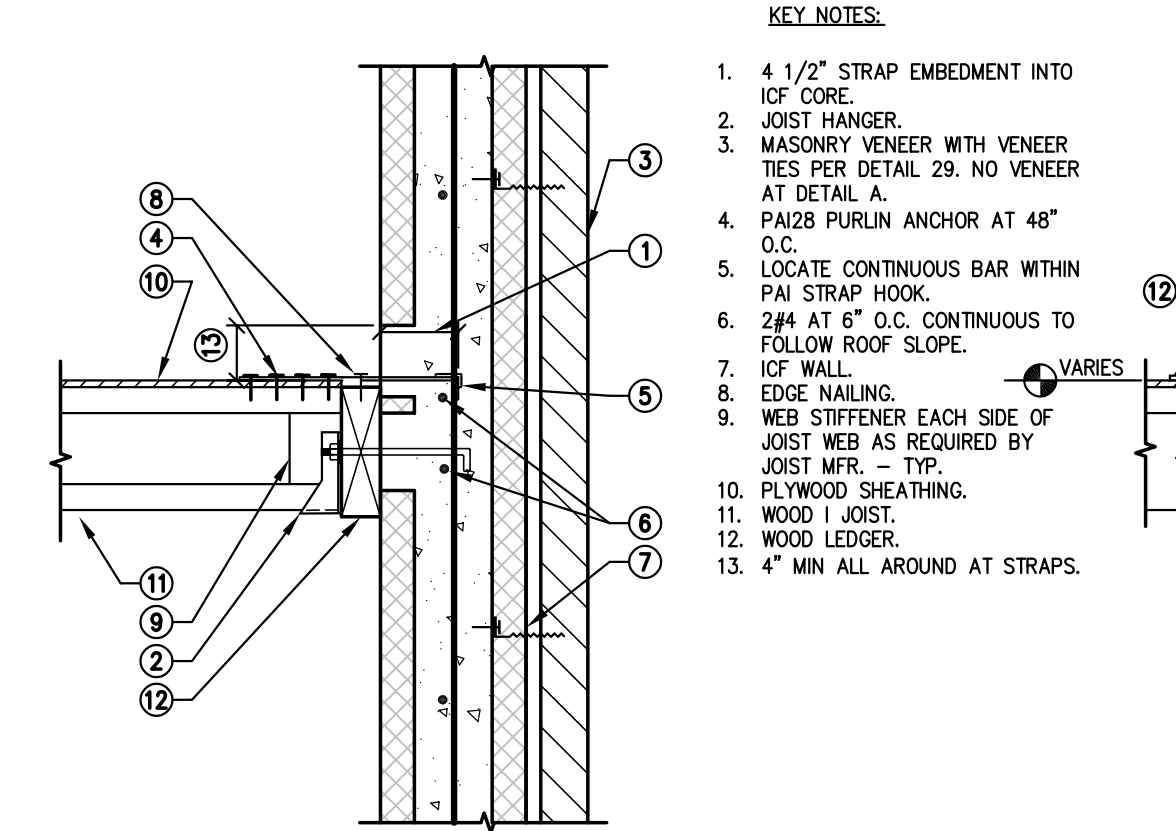
206 WOOD I JOIST AT ICF WALL
23-168 NOT TO SCALE



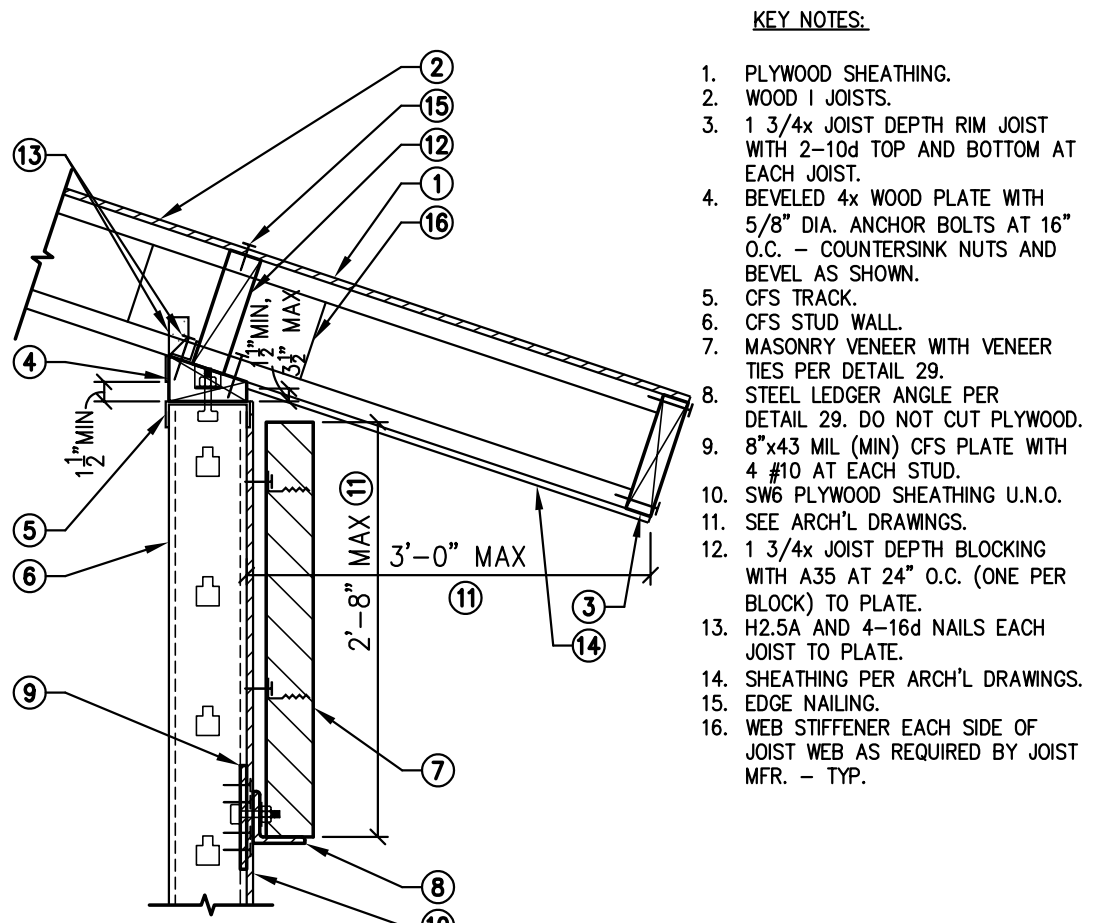
207 PLYWOOD SHEATHING AT ICF WALL
23-168 NOT TO SCALE



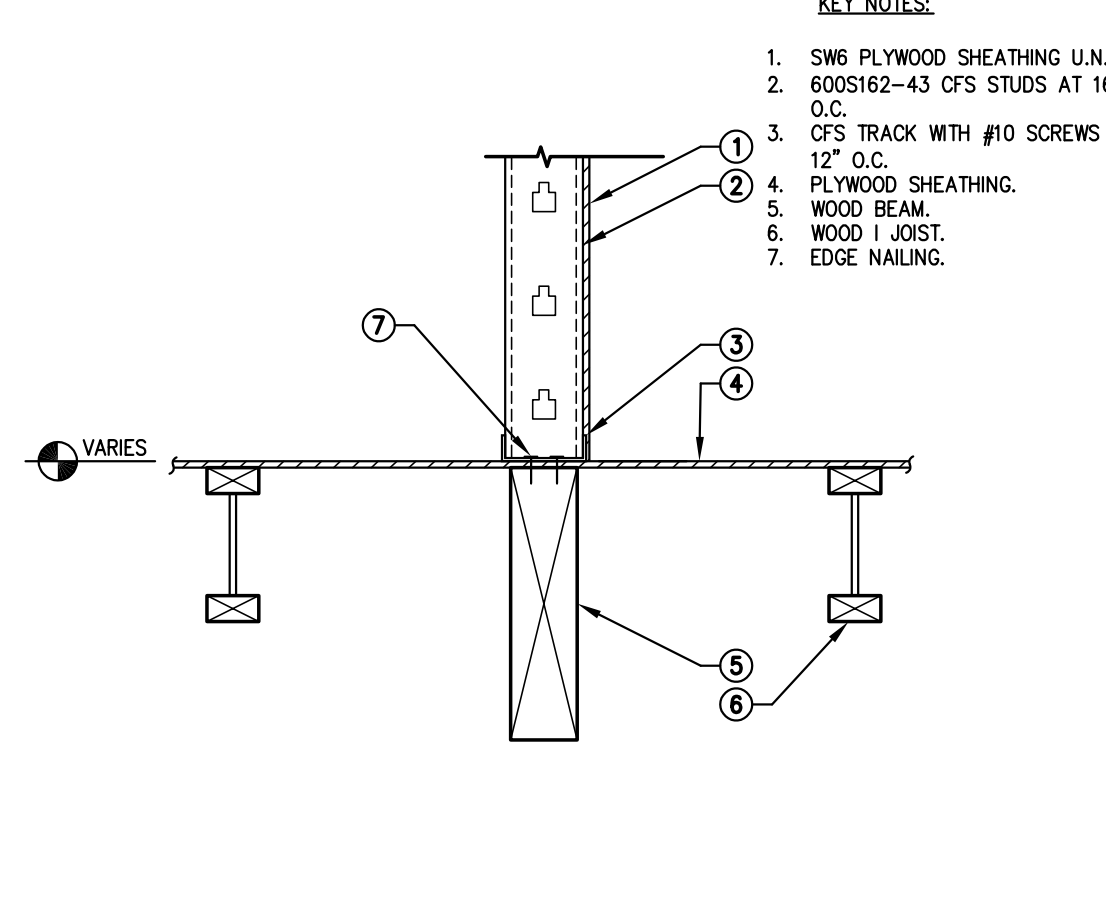
208 SLOPED WOOD I JOIST AT ICF WALL
23-168 NOT TO SCALE



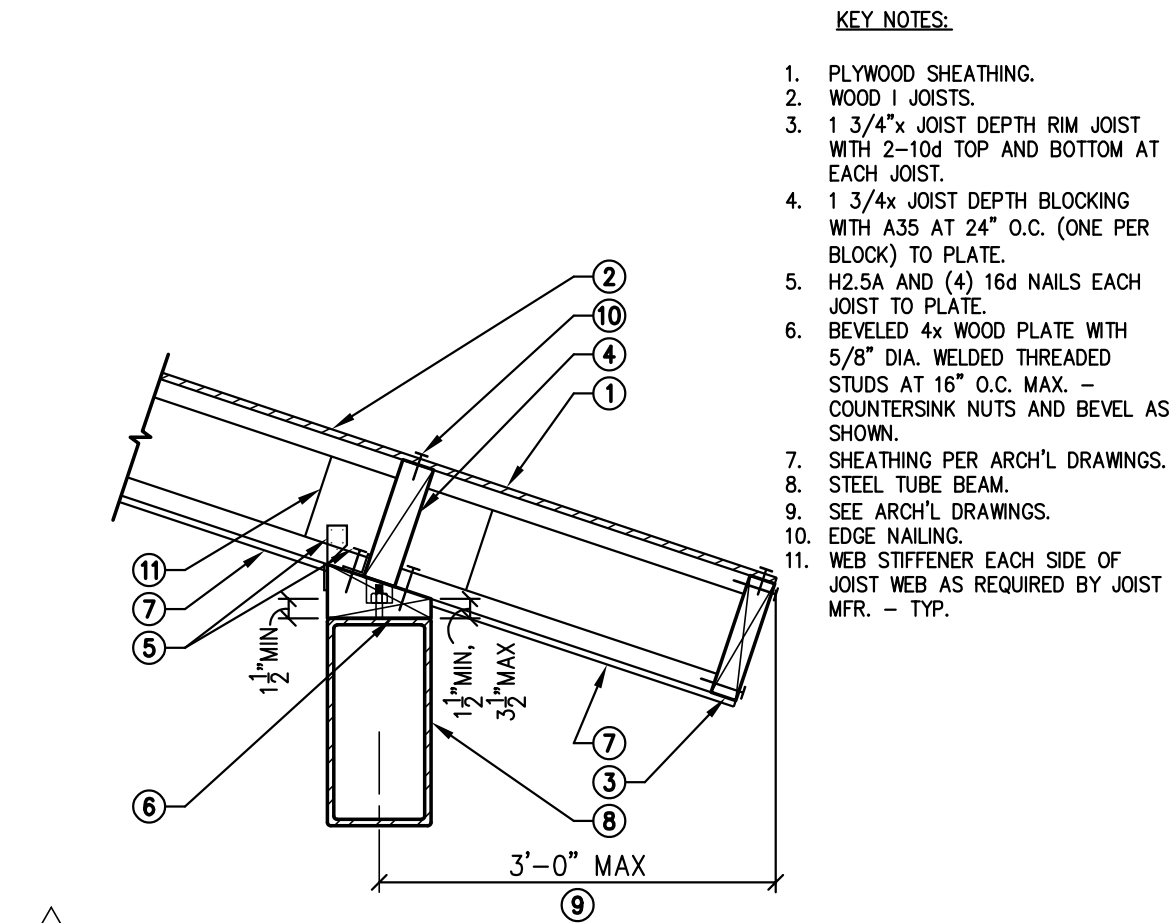
209 PLYWOOD SHEATHING AT ICF WALL
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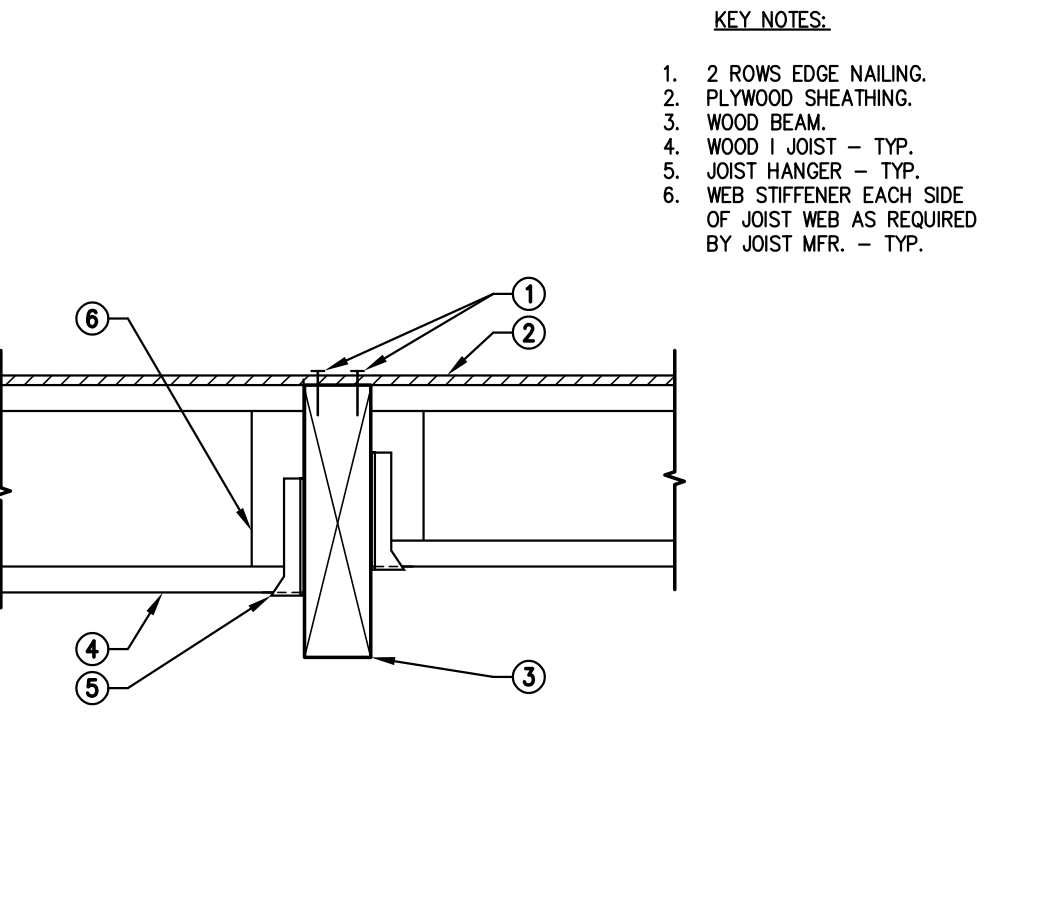
210 WOOD I JOIST OUTRIGGERS AT ICF WALL
23-168 NOT TO SCALE



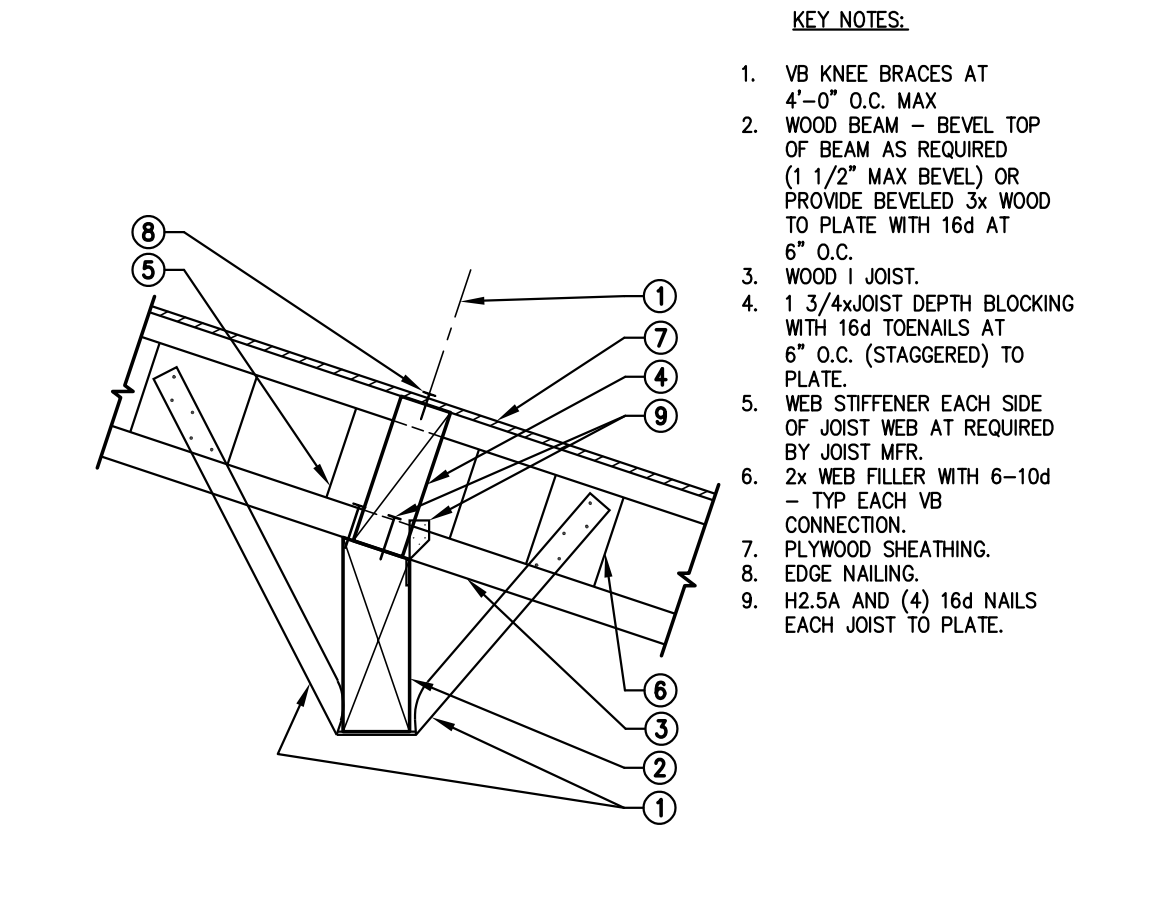
211 SLOPED WOOD I JOISTS AT WOOD BEAM
23-168 NOT TO SCALE



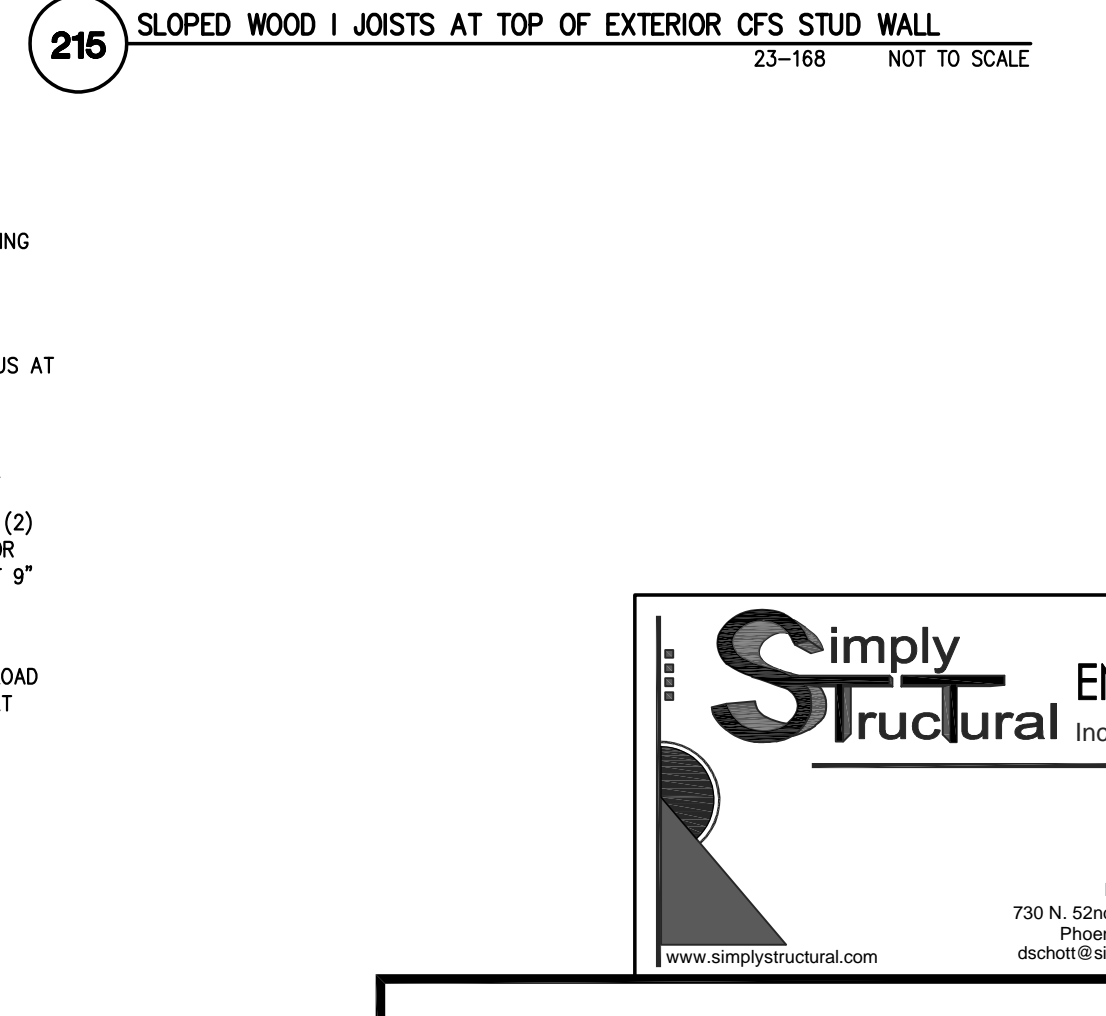
212 WOOD I JOISTS AT WOOD BEAM
23-168 NOT TO SCALE



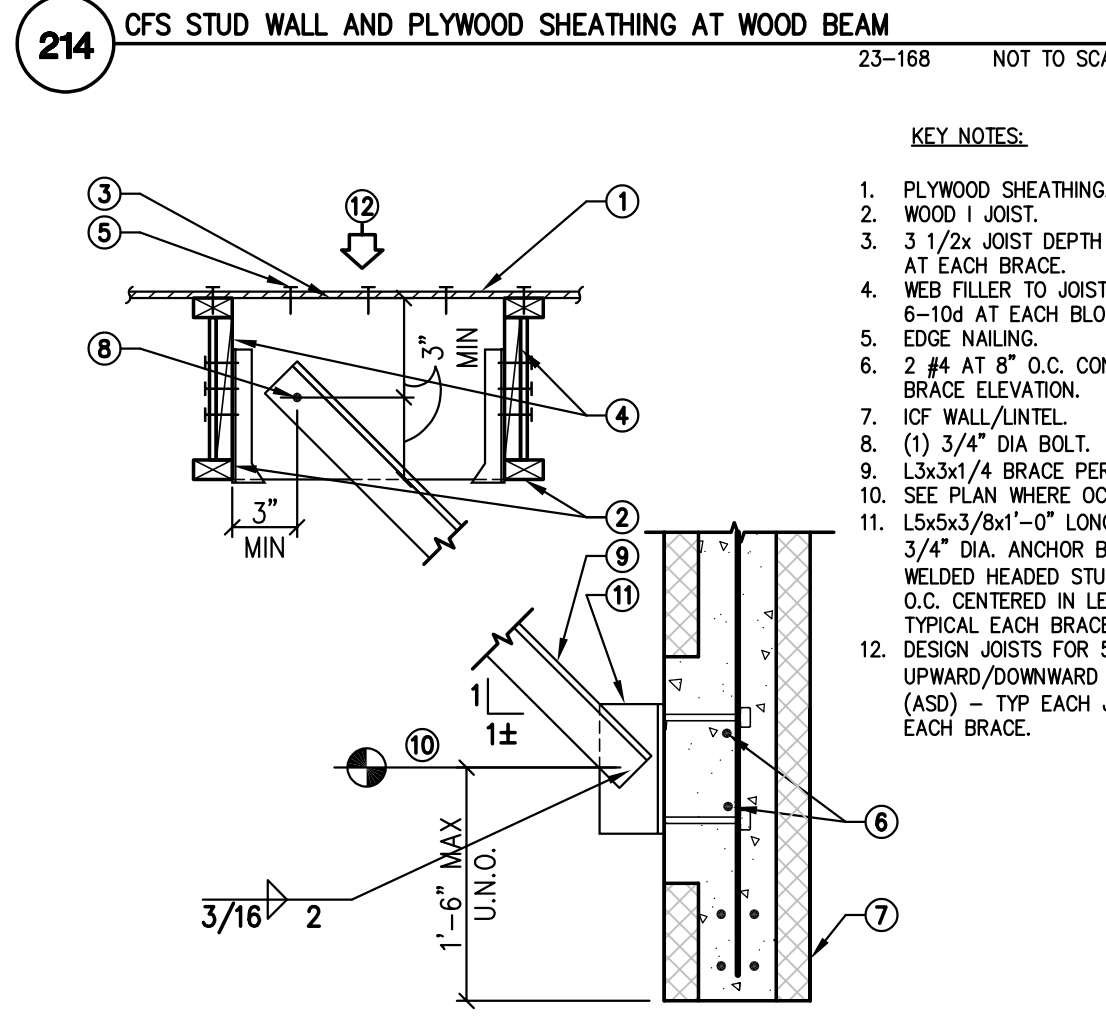
213 SLOPED WOOD I JOISTS AT STEEL TUBE BEAM
23-168 NOT TO SCALE



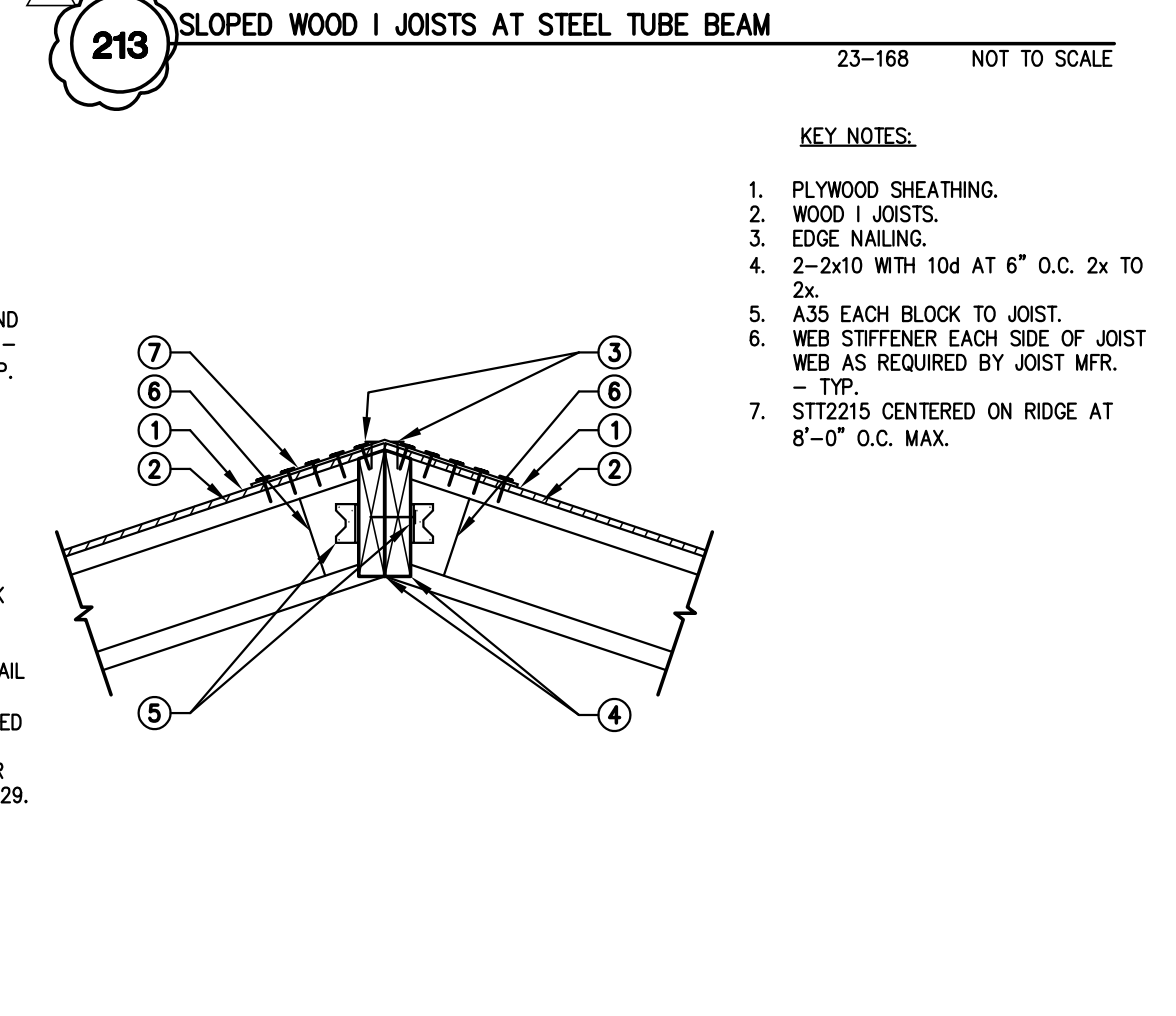
214 CFS STUD WALL AND PLYWOOD SHEATHING AT WOOD BEAM
23-168 NOT TO SCALE



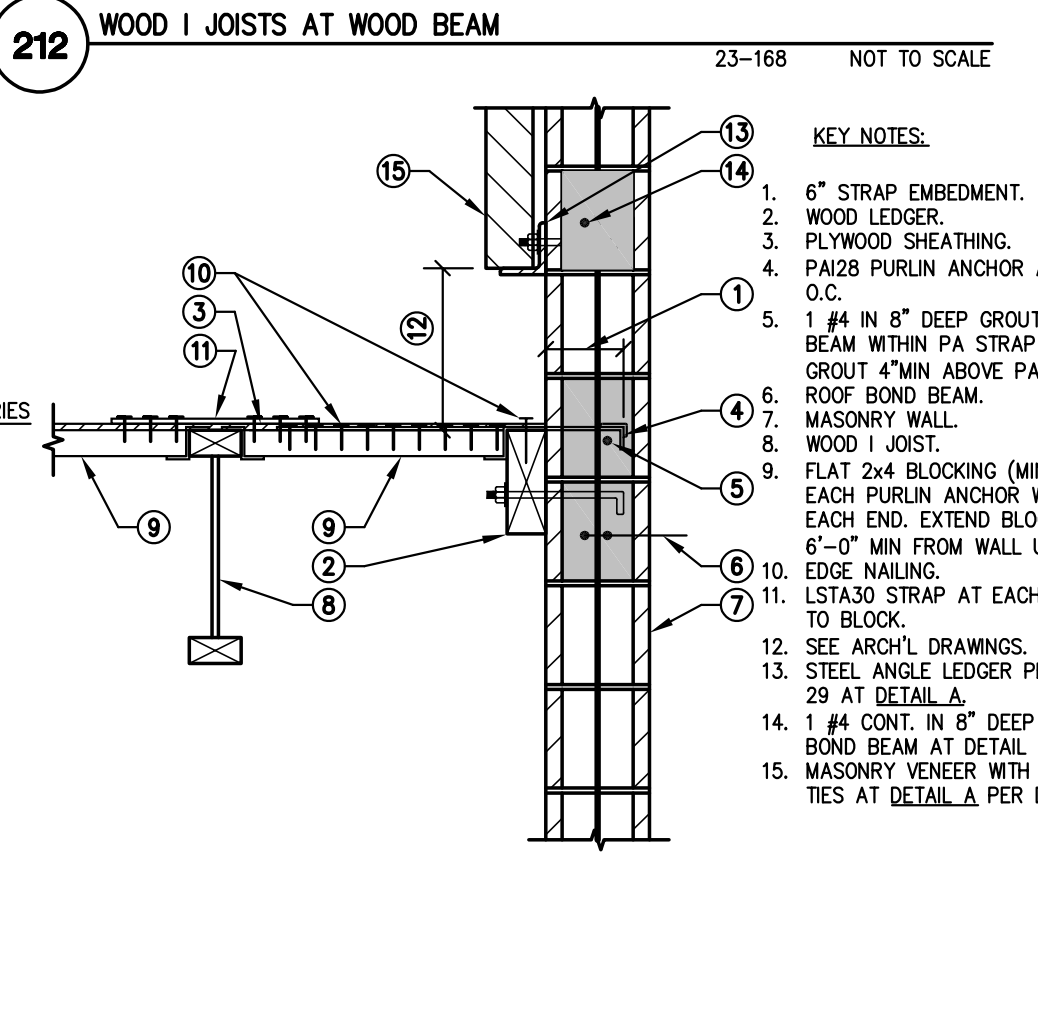
215 SLOPED WOOD I JOISTS AT TOP OF EXTERIOR CFS STUD WALL
23-168 NOT TO SCALE



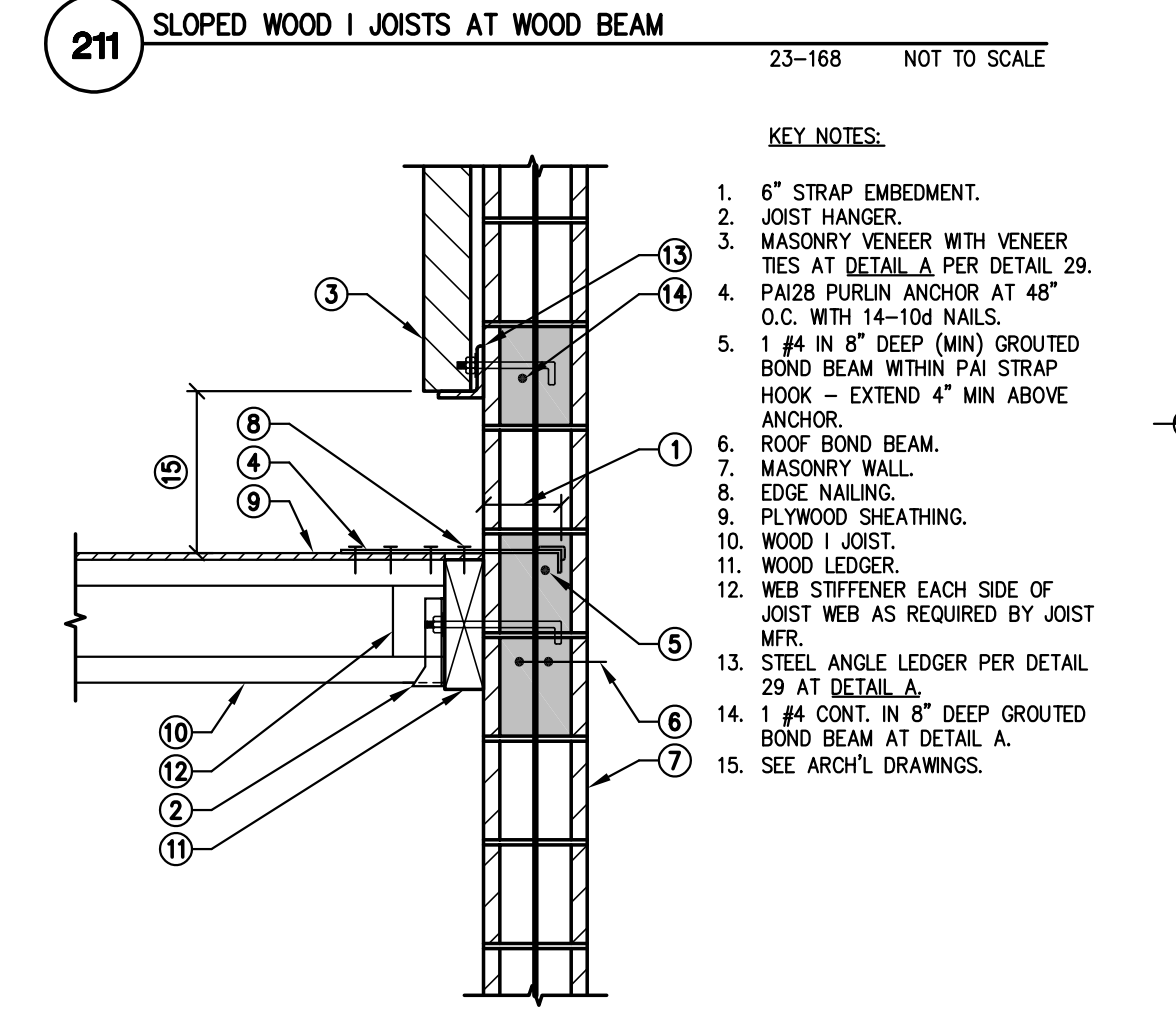
216 WOOD I JOIST AT MASONRY WALL
23-168 NOT TO SCALE



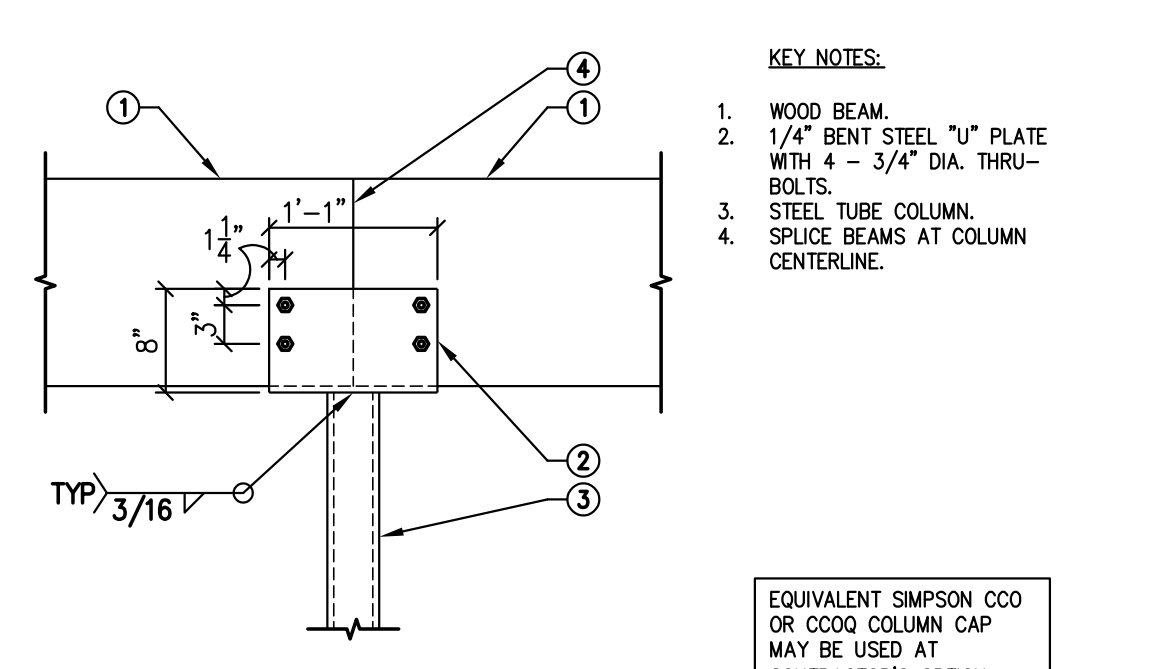
217 PLYWOOD SHEATHING AT MASONRY WALL
23-168 NOT TO SCALE



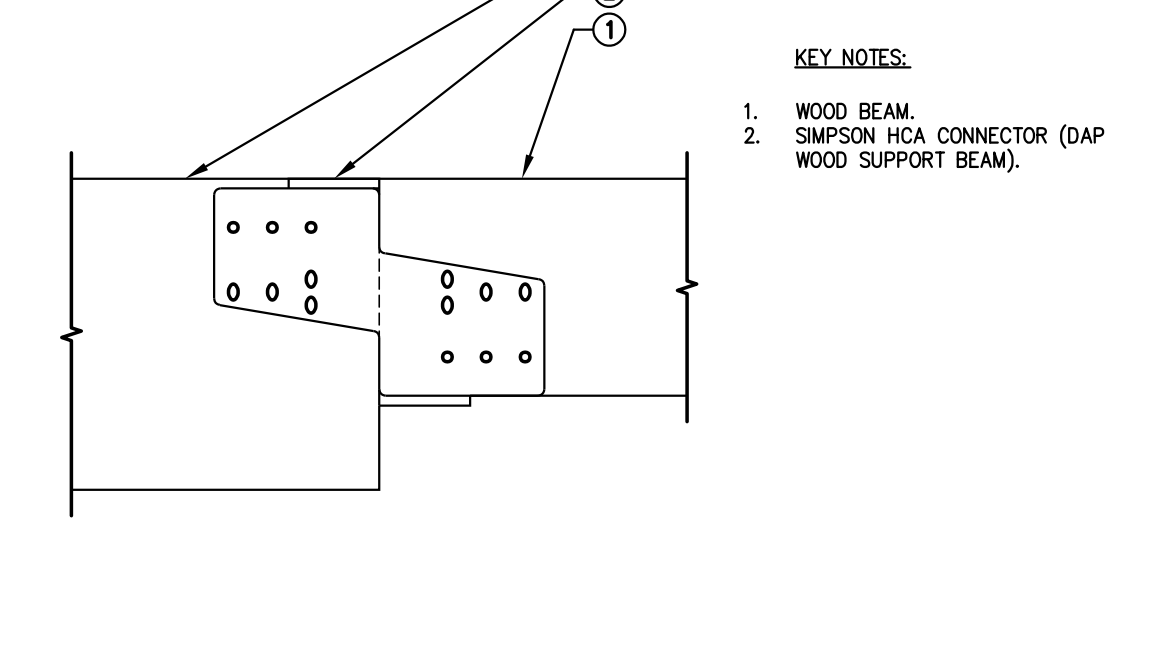
218 WOOD I JOISTS AT RIDGE LINE
23-168 NOT TO SCALE



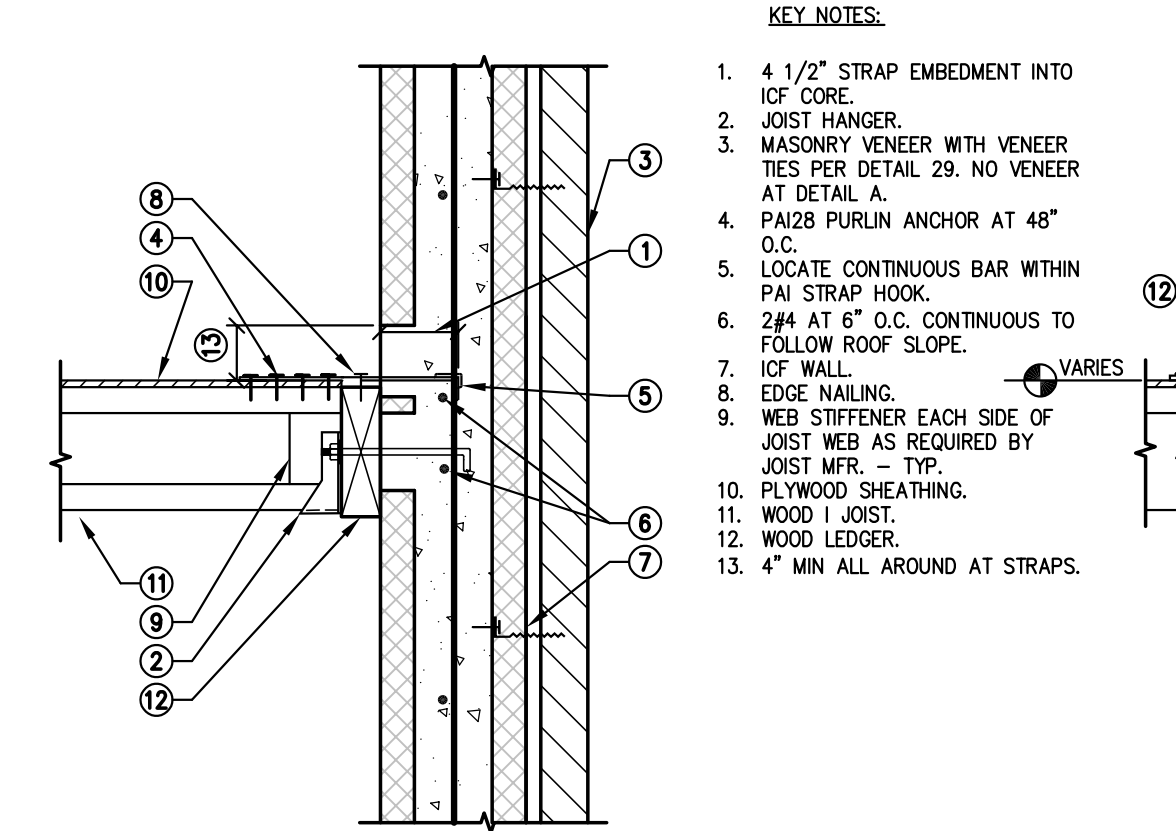
219 STEEL ANGLE BRACE AT ICF WALL/LINTEL
18-026 NOT TO SCALE



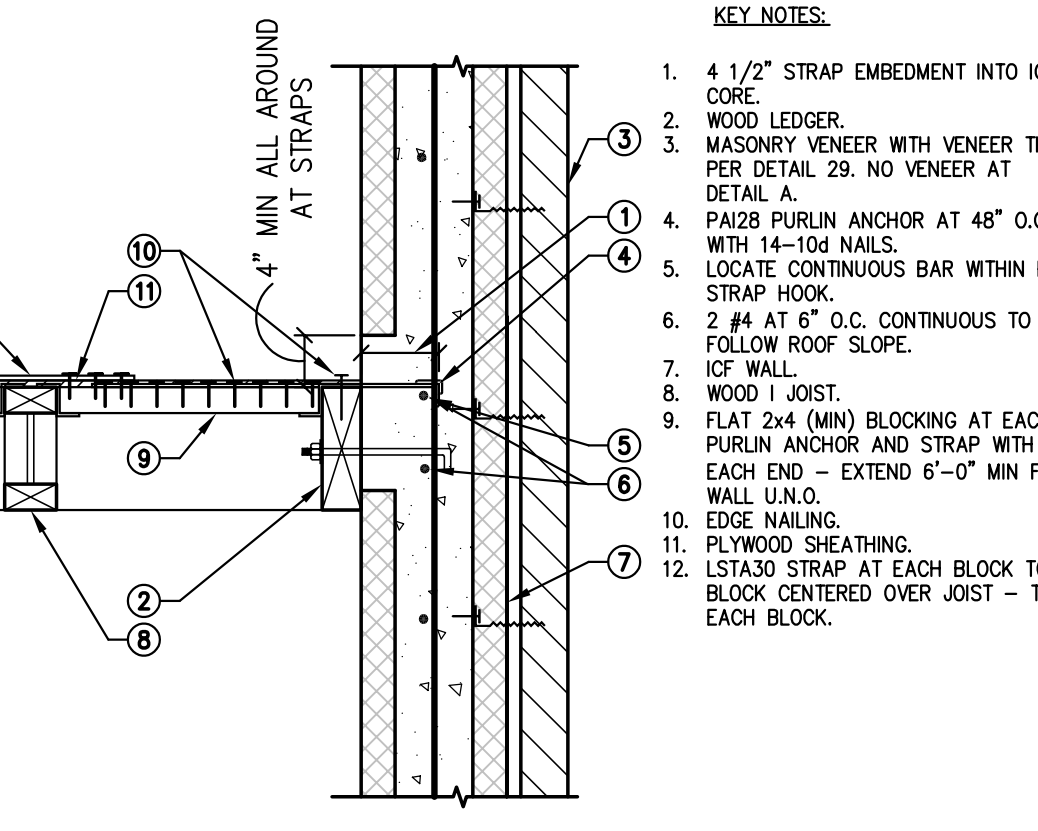
201 WOOD BEAMS AT STEEL TUBE COLUMN
23-168 NOT TO SCALE



202 WOOD BEAM AT STEEL TUBE COLUMN
23-168 NOT TO SCALE



203 WOOD BEAM AT WOOD BEAM
23-168 NOT TO SCALE



204 WOOD BEAM AT WOOD BEAM
23-168 NOT TO SCALE

23168-S4.01.dwg 3/19/2024 3:57 PM

Revisions	Date
1	3/11/24



Designed By:
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Drawn By:
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Checked By:
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12/14/2023

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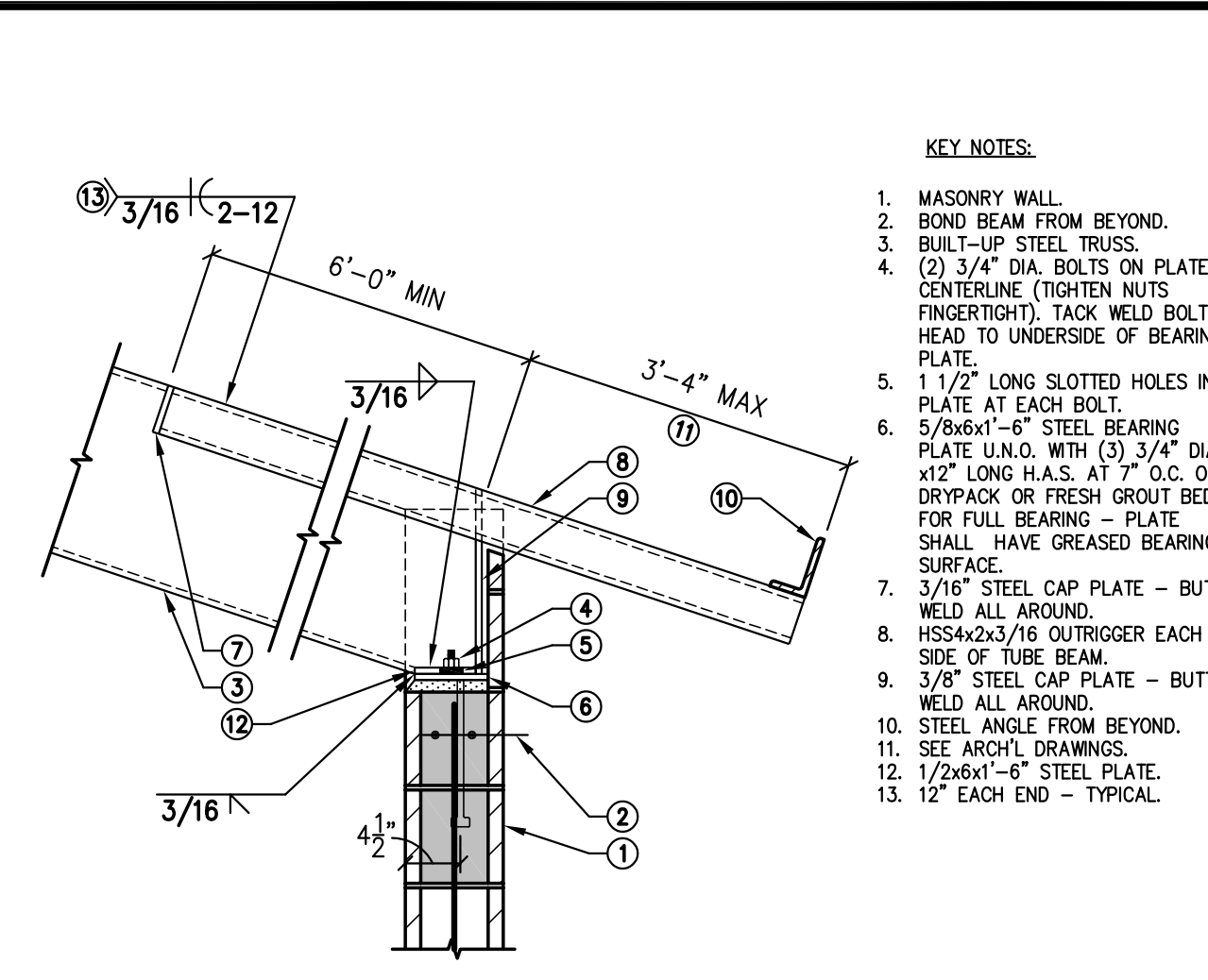
FIRE STATION #74
1910 W. CHANDLER BLVD.
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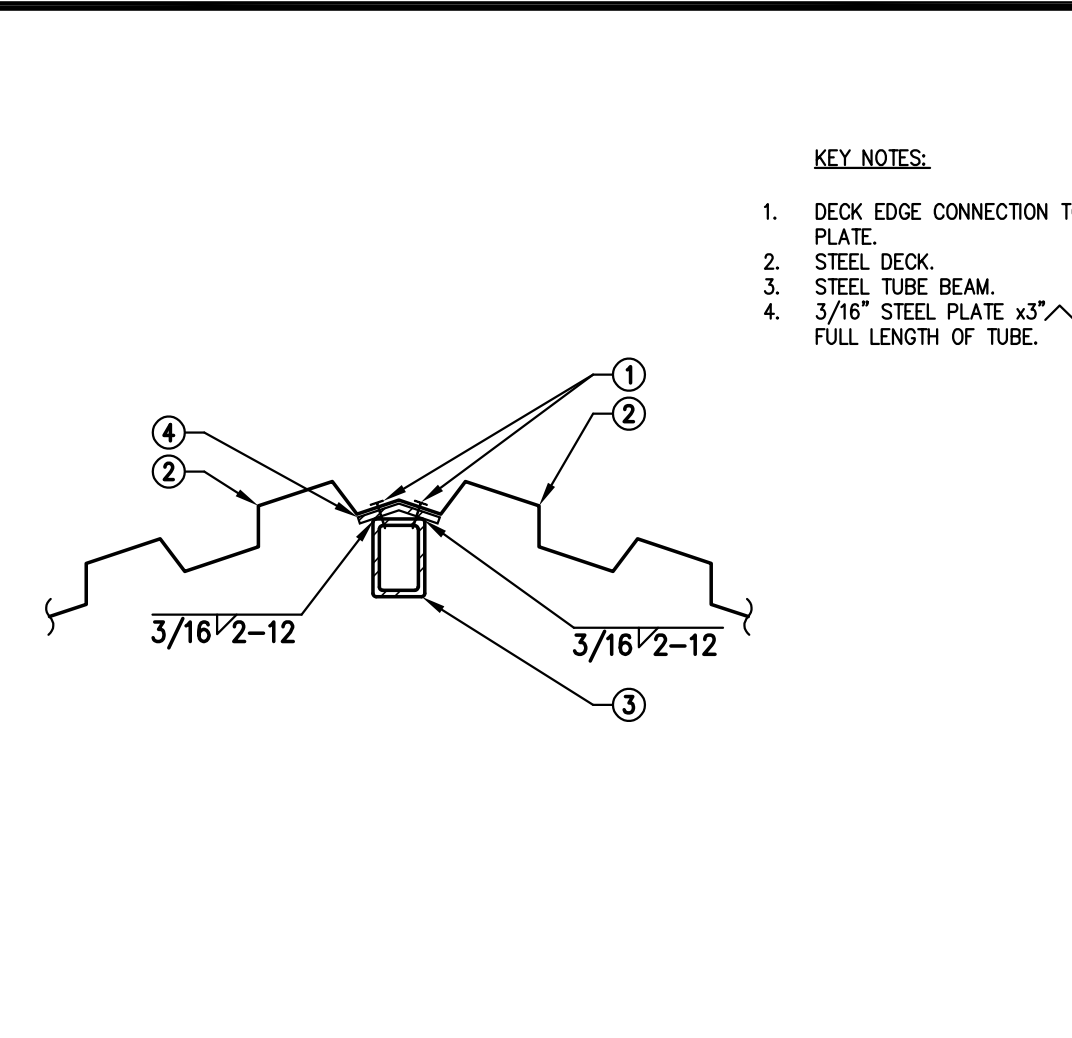
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dgs@simplestructural.com

KIVA # 23-1810
SDEV # 2300473

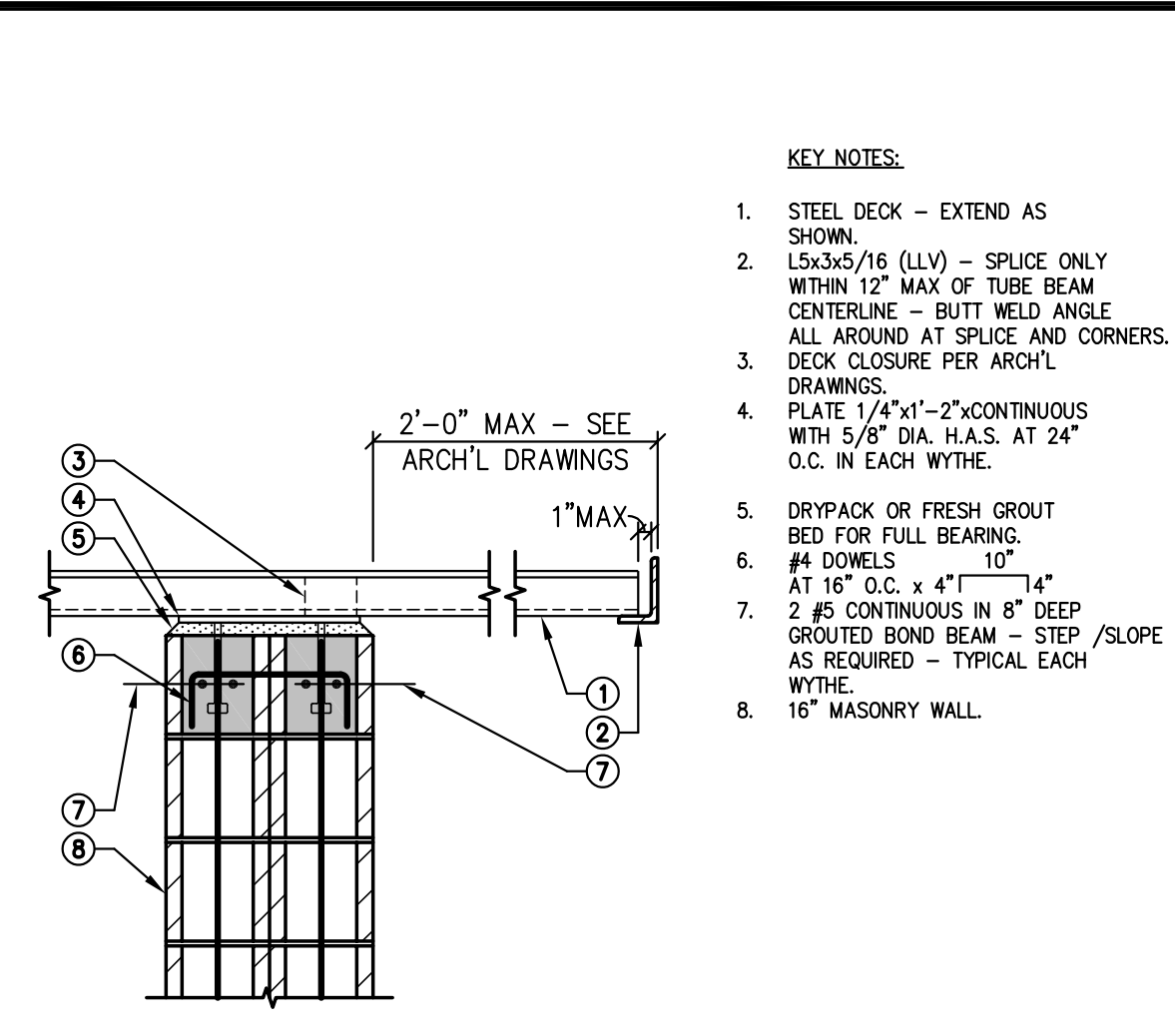
FRAMING DETAILS
221-240
S4.02



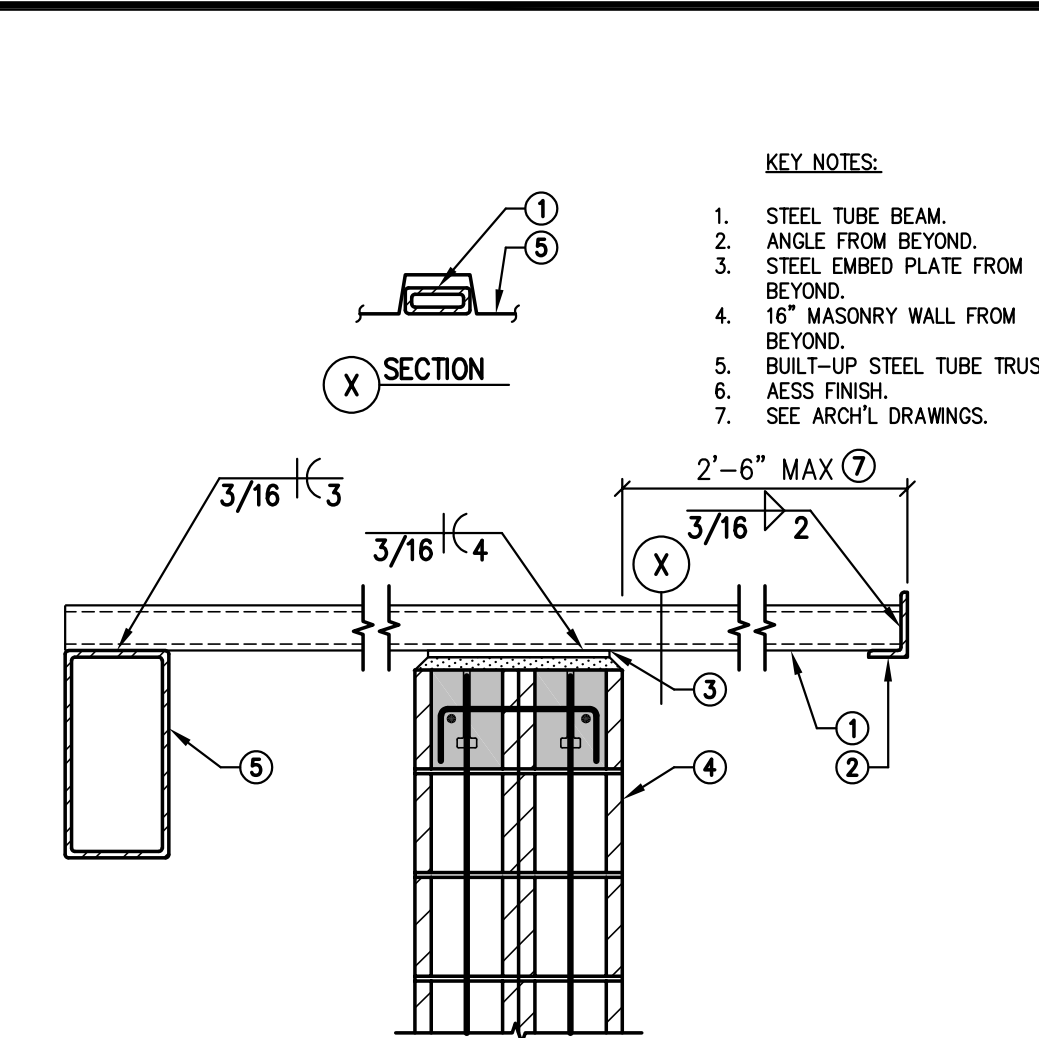
225 BUILT-UP STEEL TUBE TRUSS AT EXTERIOR MASONRY WALL
713-01.1M NOT TO SCALE



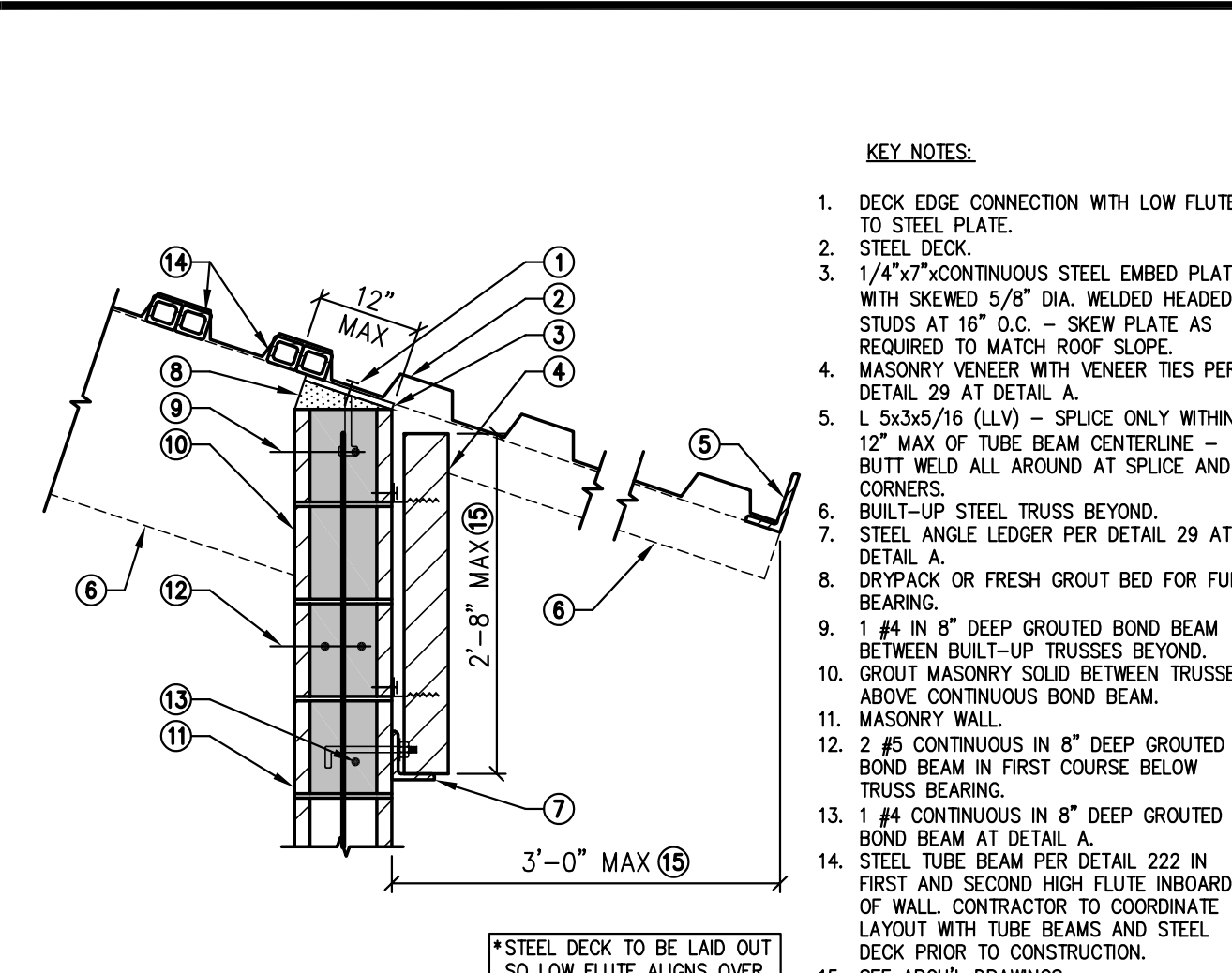
224 STEEL DECK AT STEEL RIDGE BEAM
18-026 NOT TO SCALE



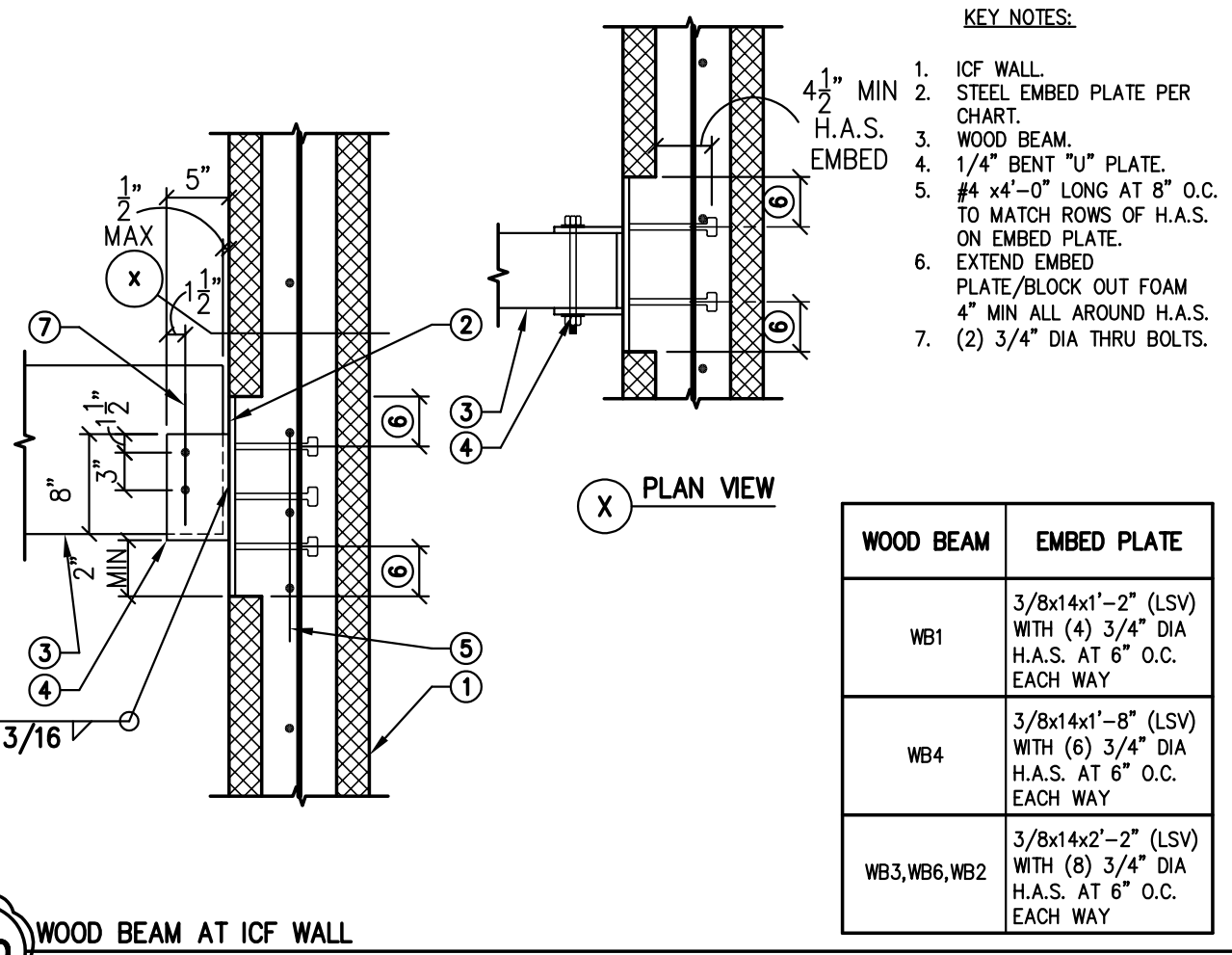
223 STEEL DECK AT EXTERIOR 16" MASONRY WALL
18-026 NOT TO SCALE



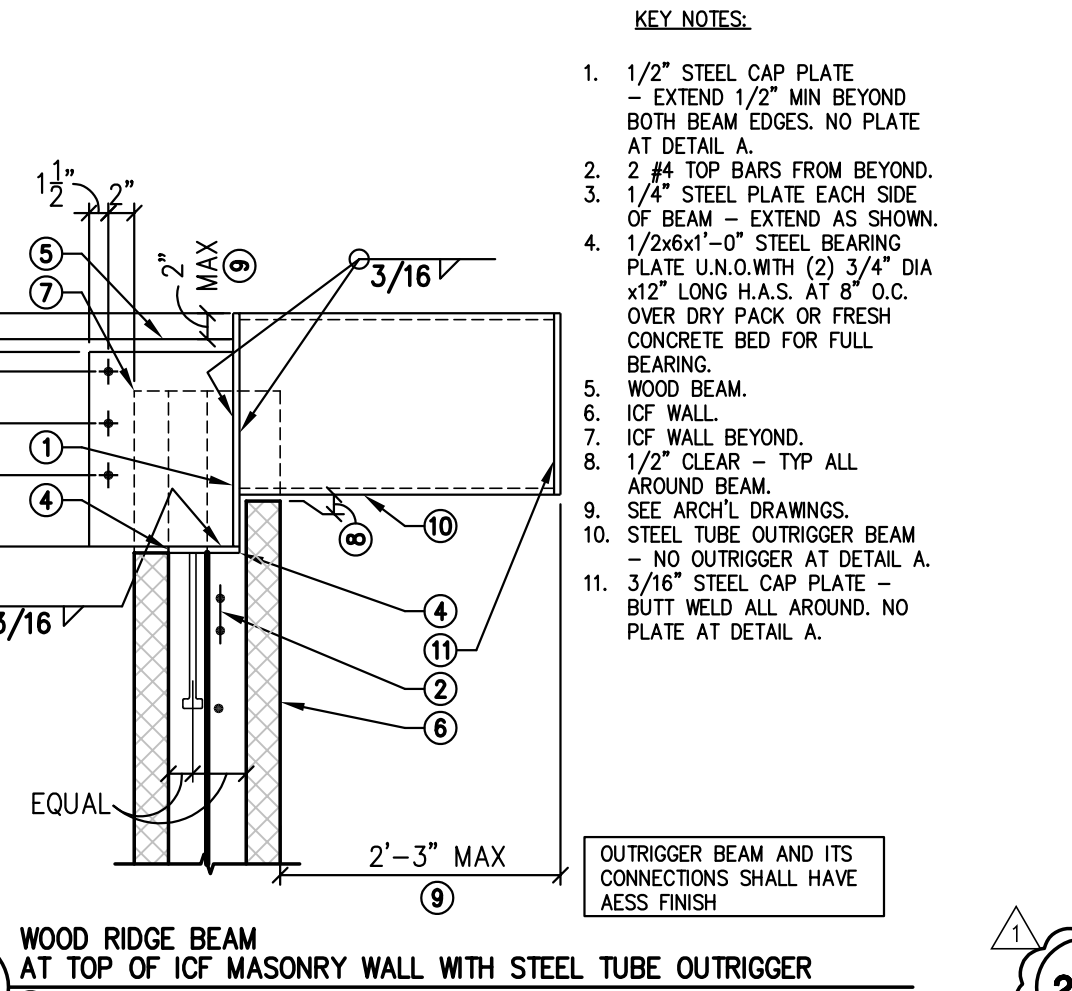
222 STEEL TUBE OUTRIGGER SECTION AT 16" MASONRY WALL
18-026 NOT TO SCALE



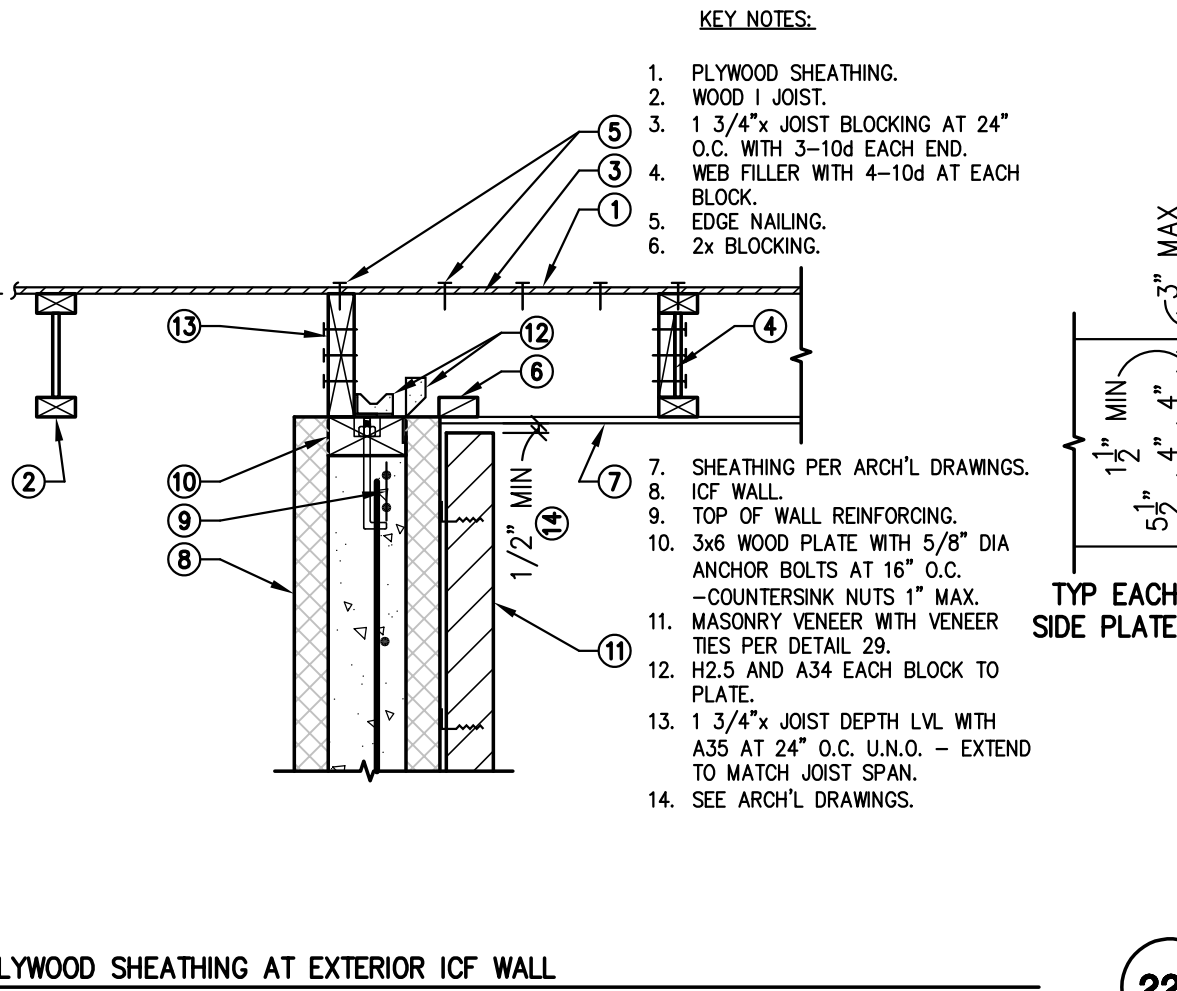
221 STEEL DECK AT EXTERIOR MASONRY WALL
23-168 NOT TO SCALE



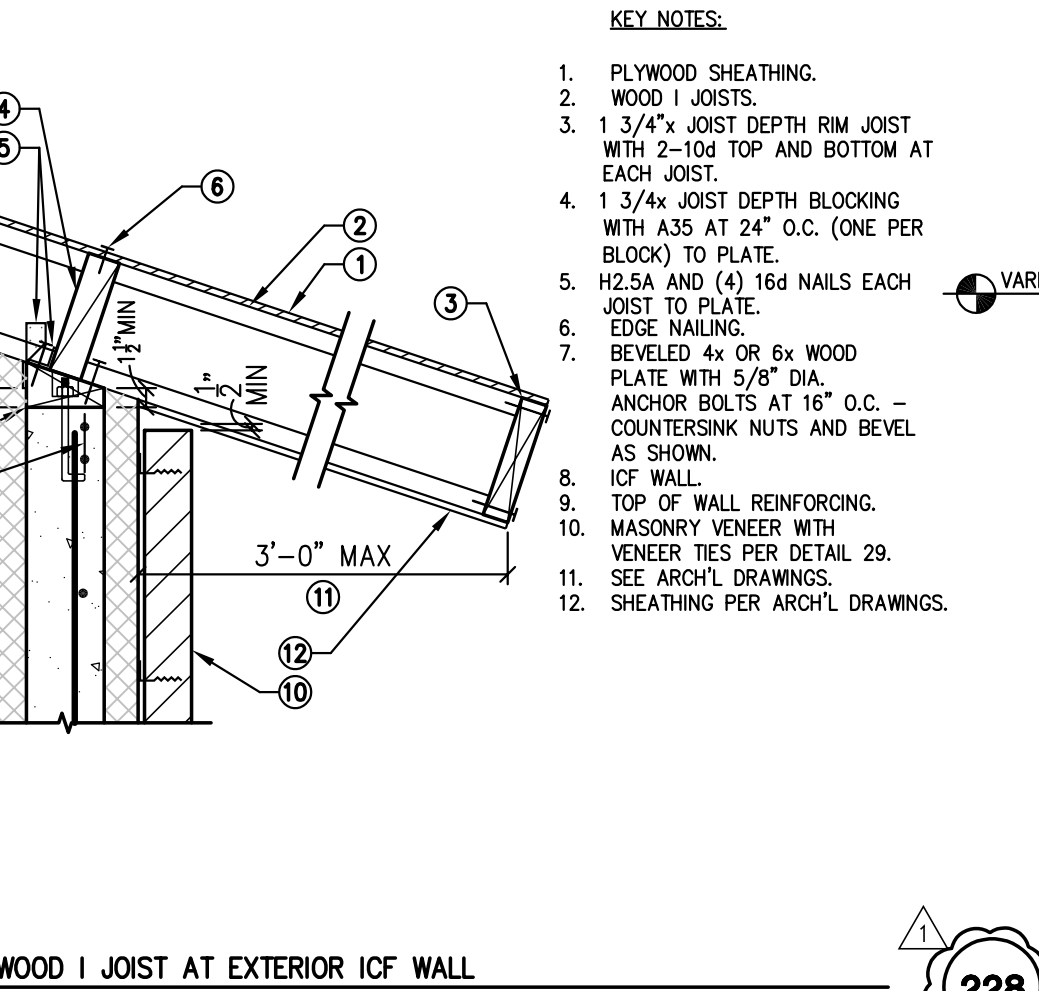
230 WOOD BEAM AT ICF WALL
23-168 NOT TO SCALE



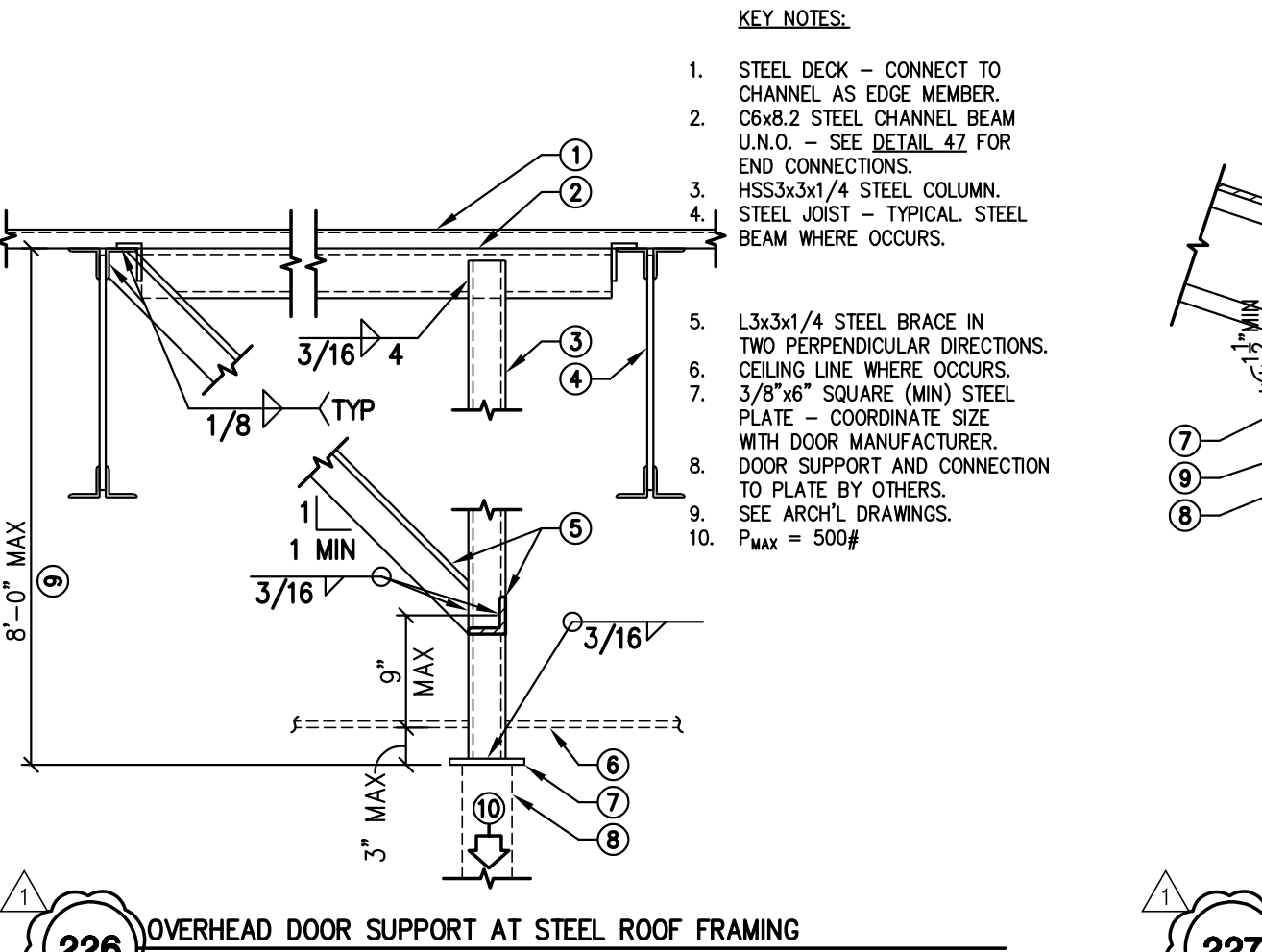
229 WOOD RIDGE BEAM AT TOP OF ICF MASONRY WALL WITH STEEL TUBE OUTRIGGER
713-01.1M NOT TO SCALE



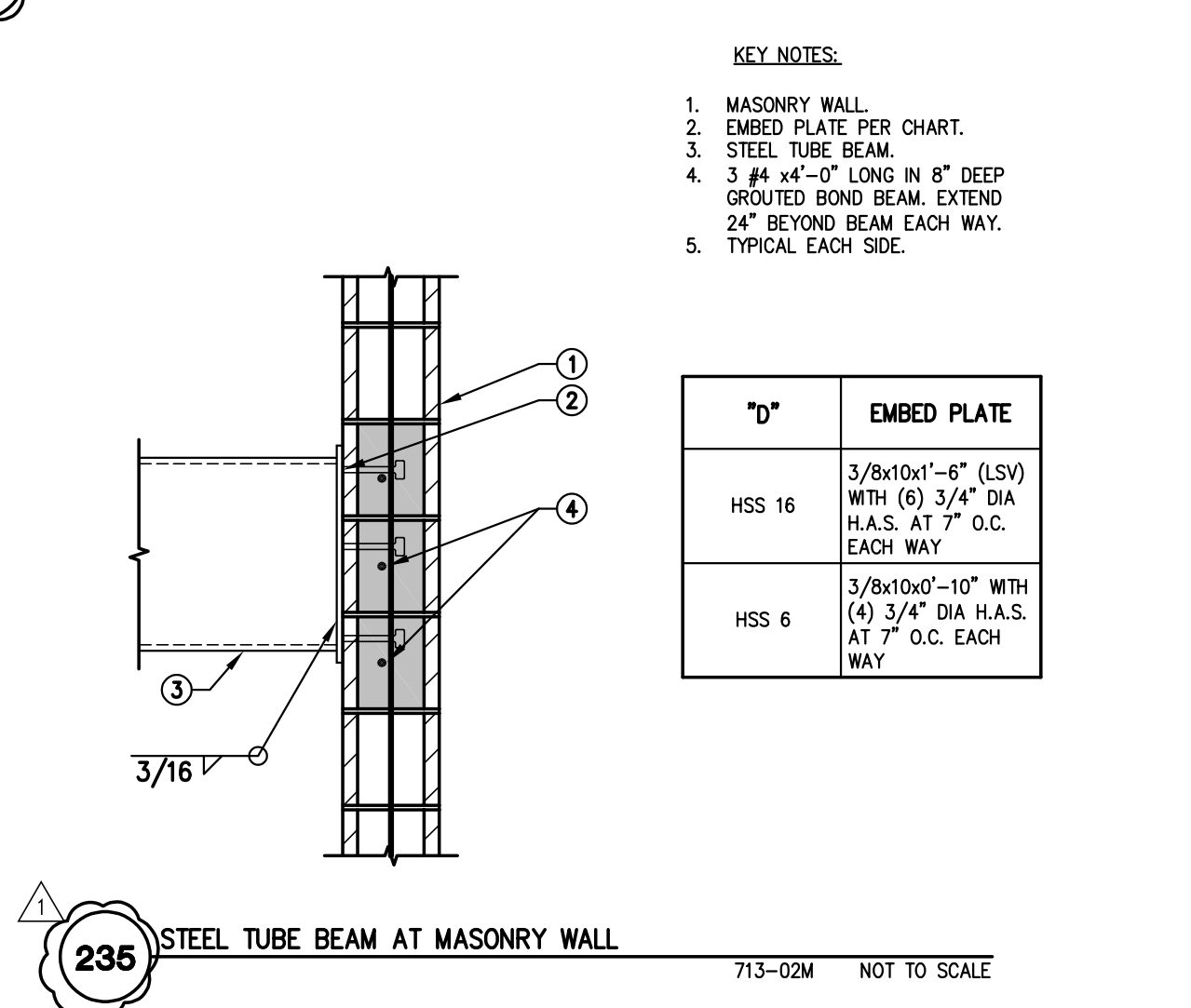
228 PLYWOOD SHEATHING AT EXTERIOR ICF WALL
18-026 NOT TO SCALE



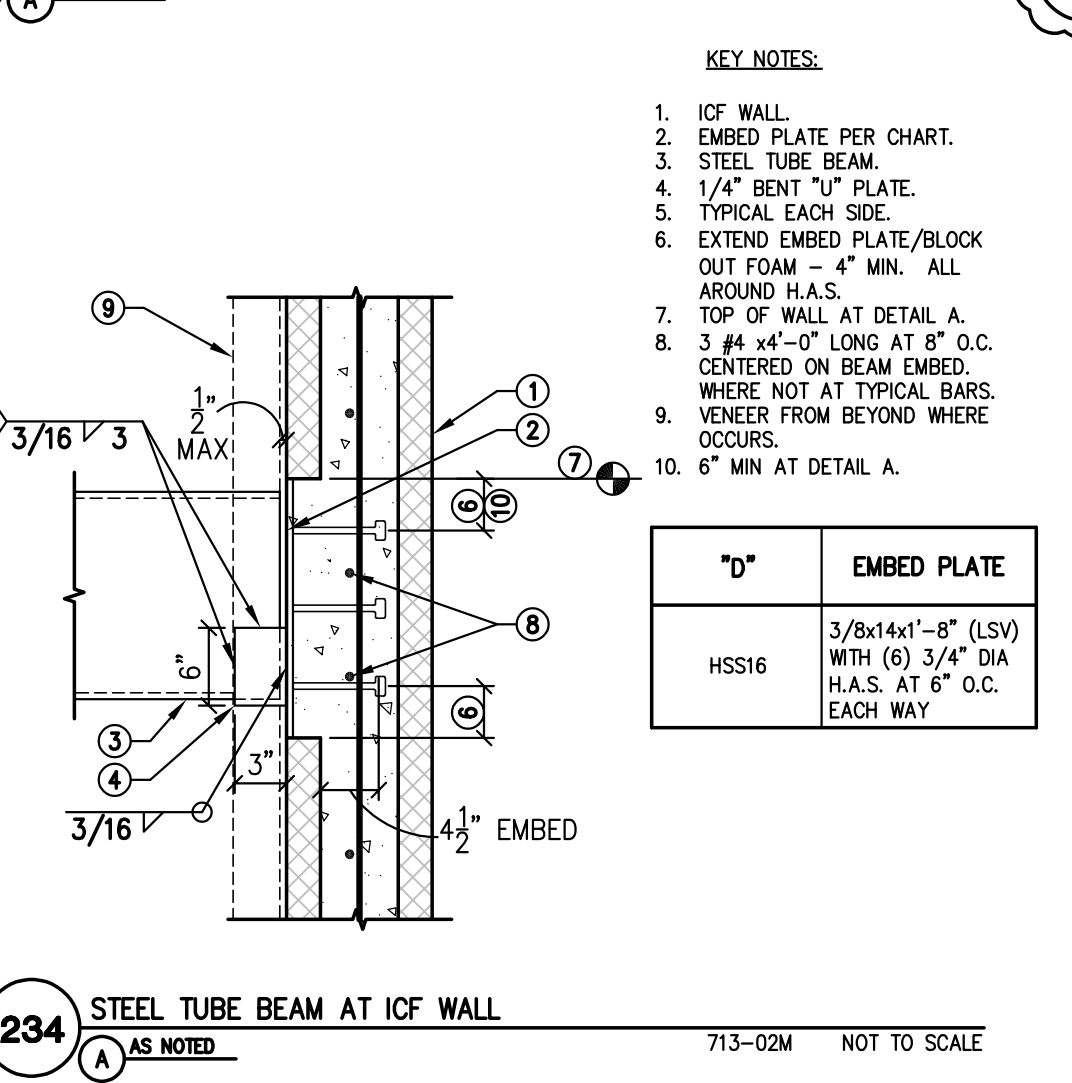
227 WOOD I JOIST AT EXTERIOR ICF WALL
23-168 NOT TO SCALE



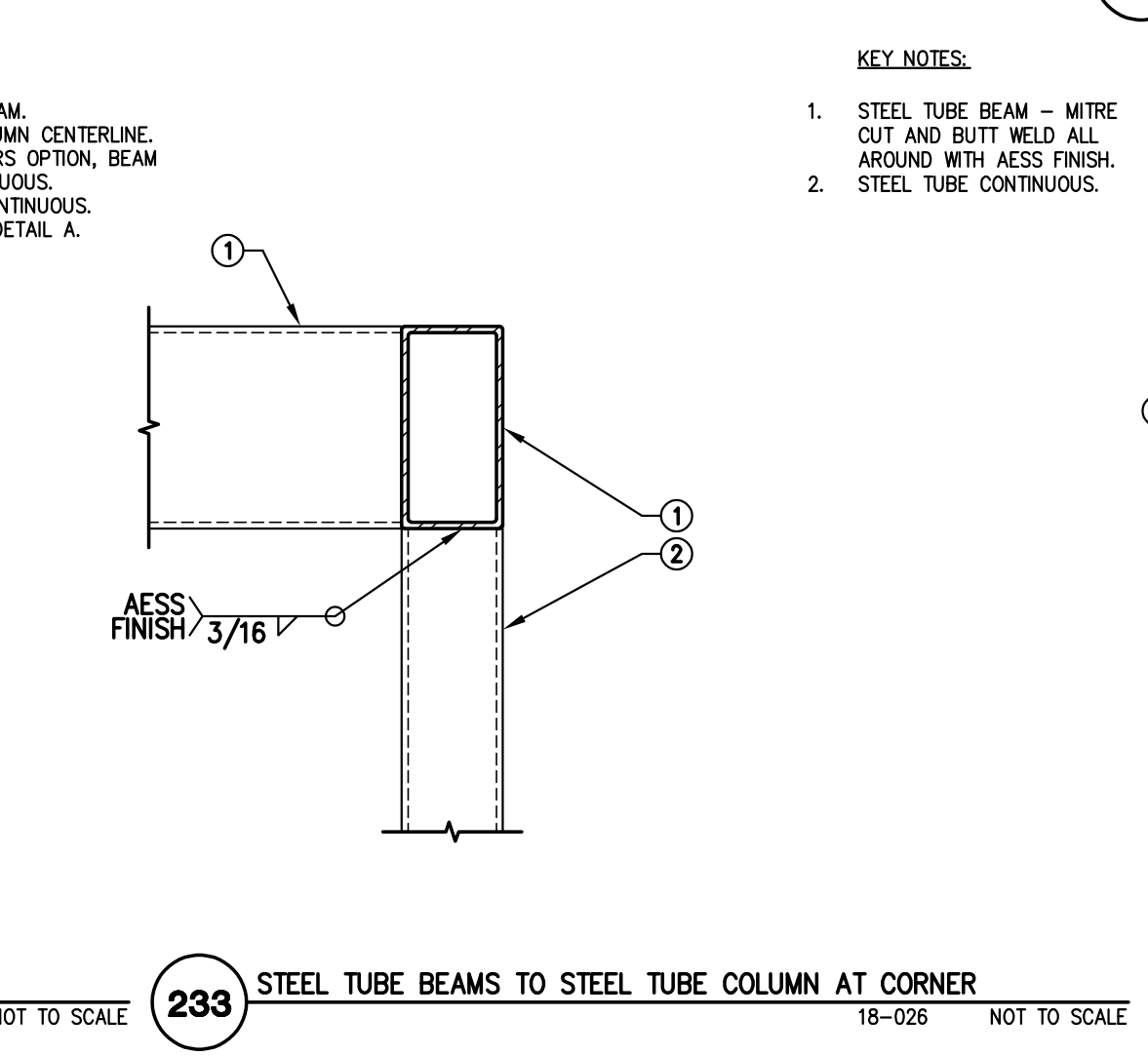
226 OVERHEAD DOOR SUPPORT AT STEEL ROOF FRAMING
18-026 NOT TO SCALE



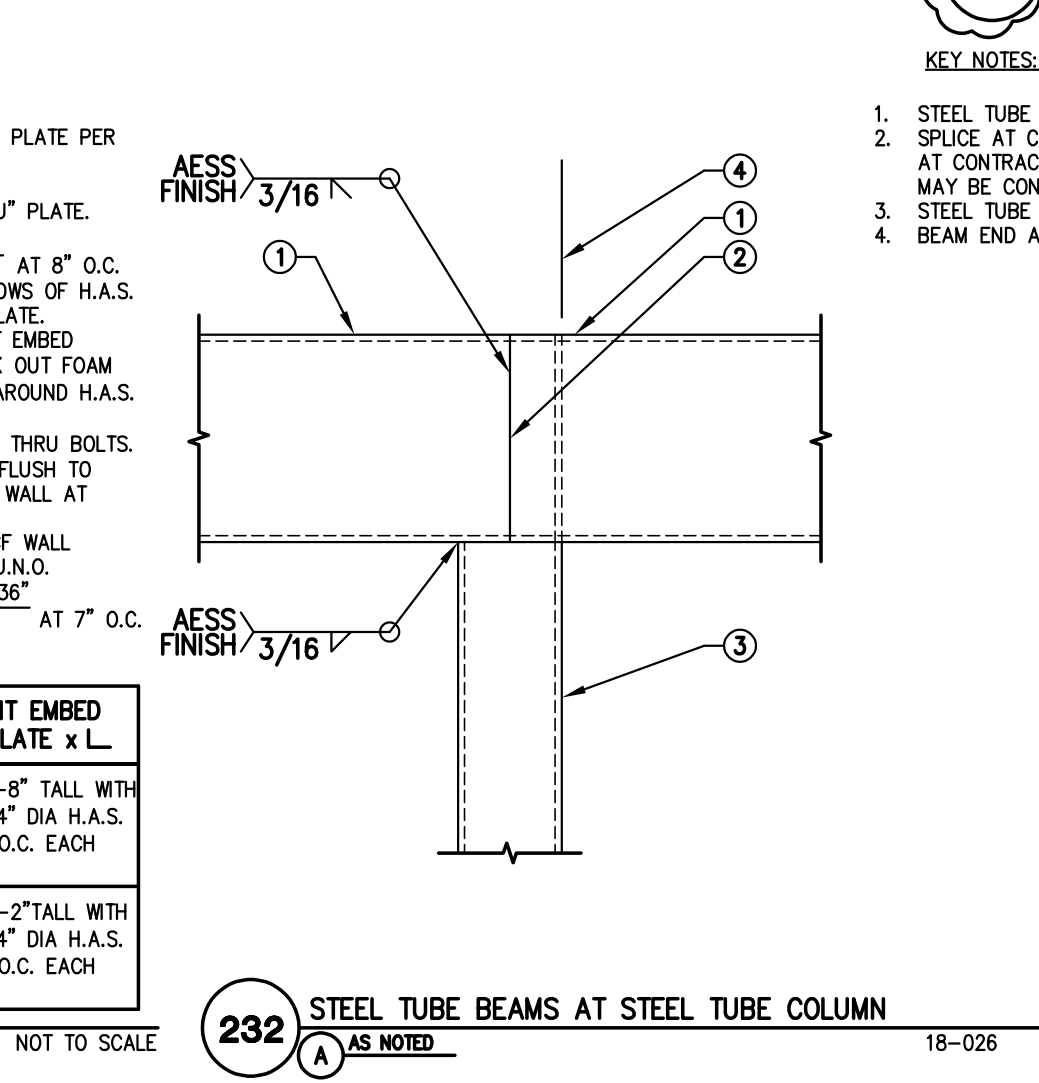
235 STEEL TUBE BEAM AT MASONRY WALL
713-02M NOT TO SCALE



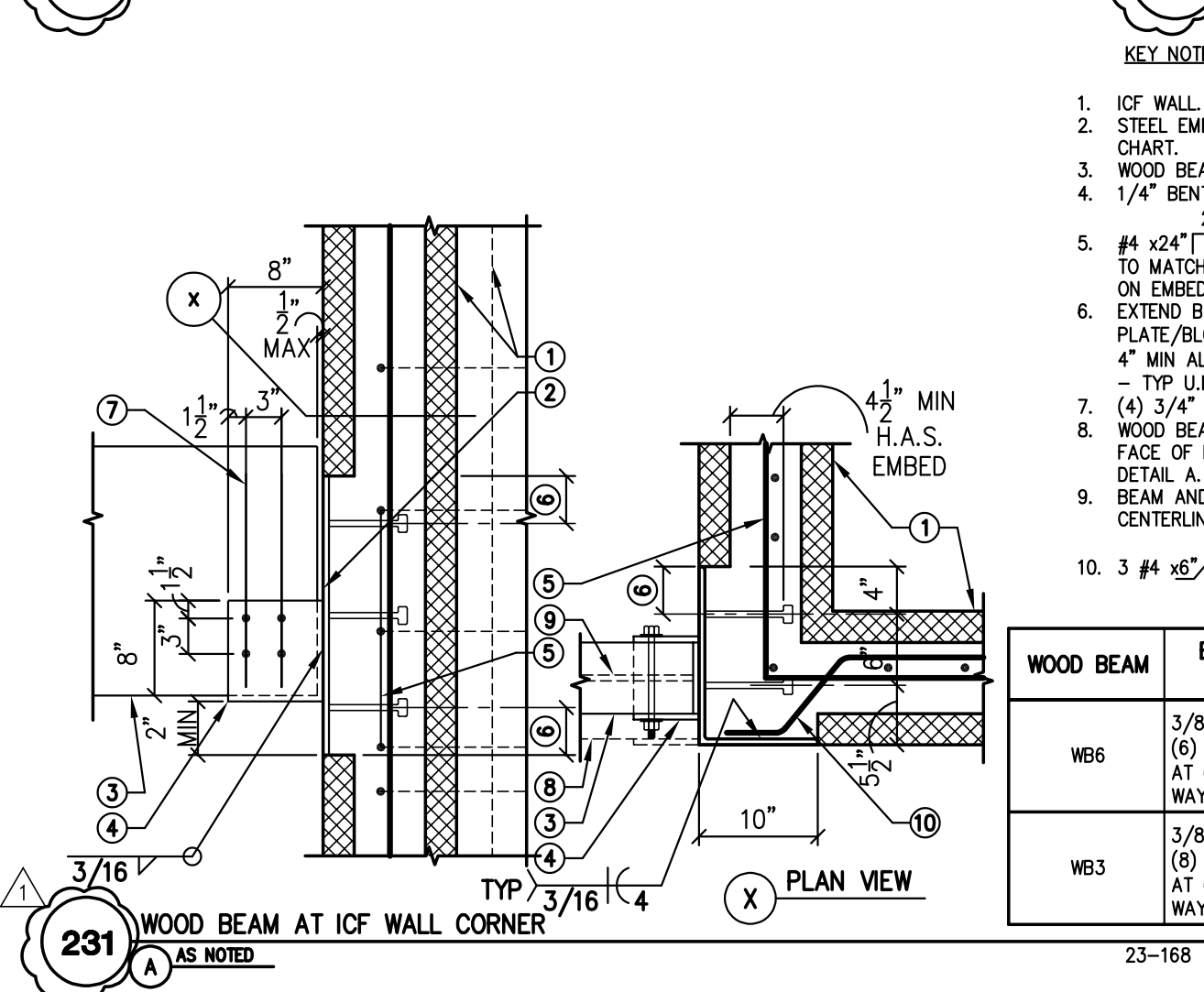
234 STEEL TUBE BEAM AT ICF WALL
713-02M NOT TO SCALE



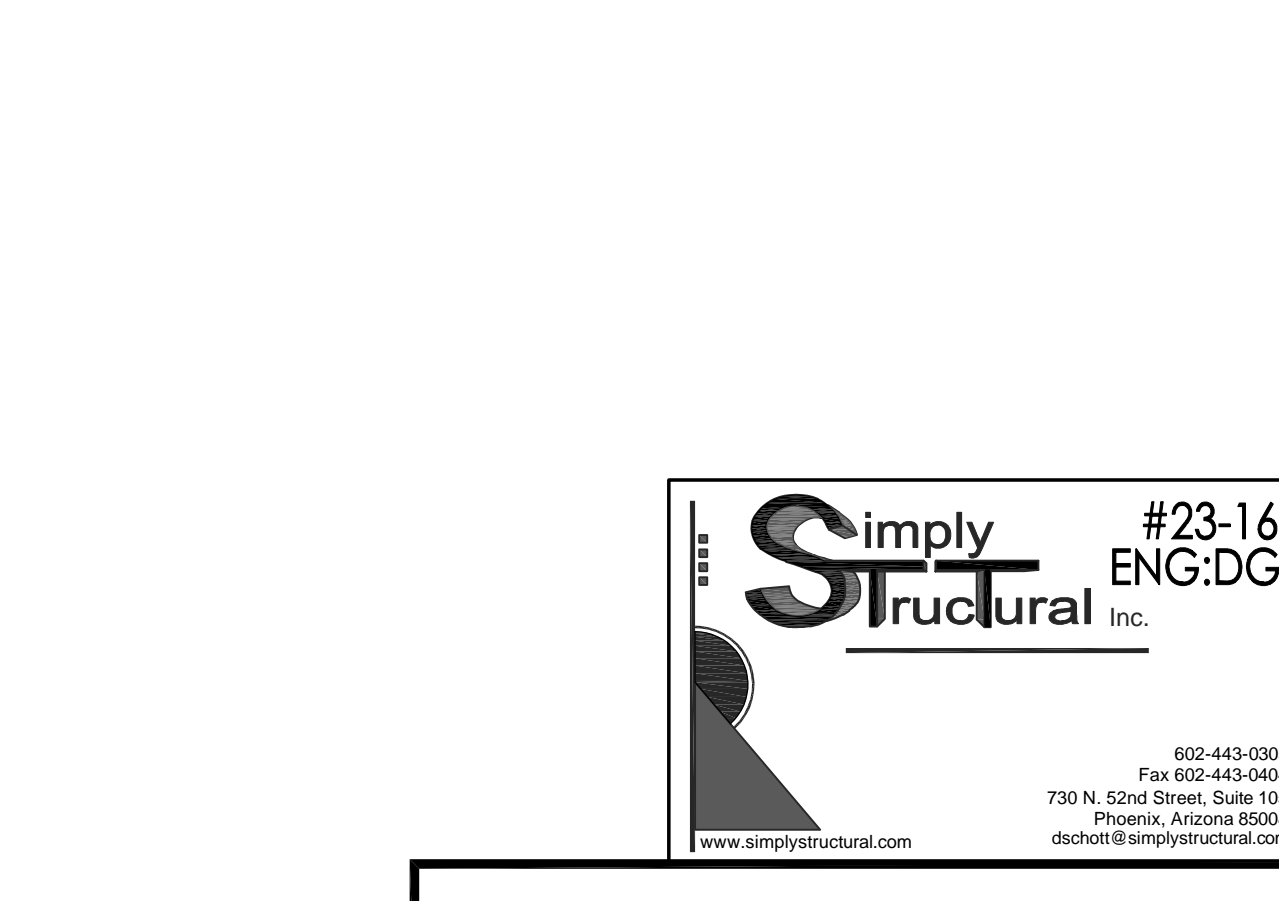
233 STEEL TUBE BEAMS AT STEEL TUBE COLUMN AT CORNER
18-026 NOT TO SCALE



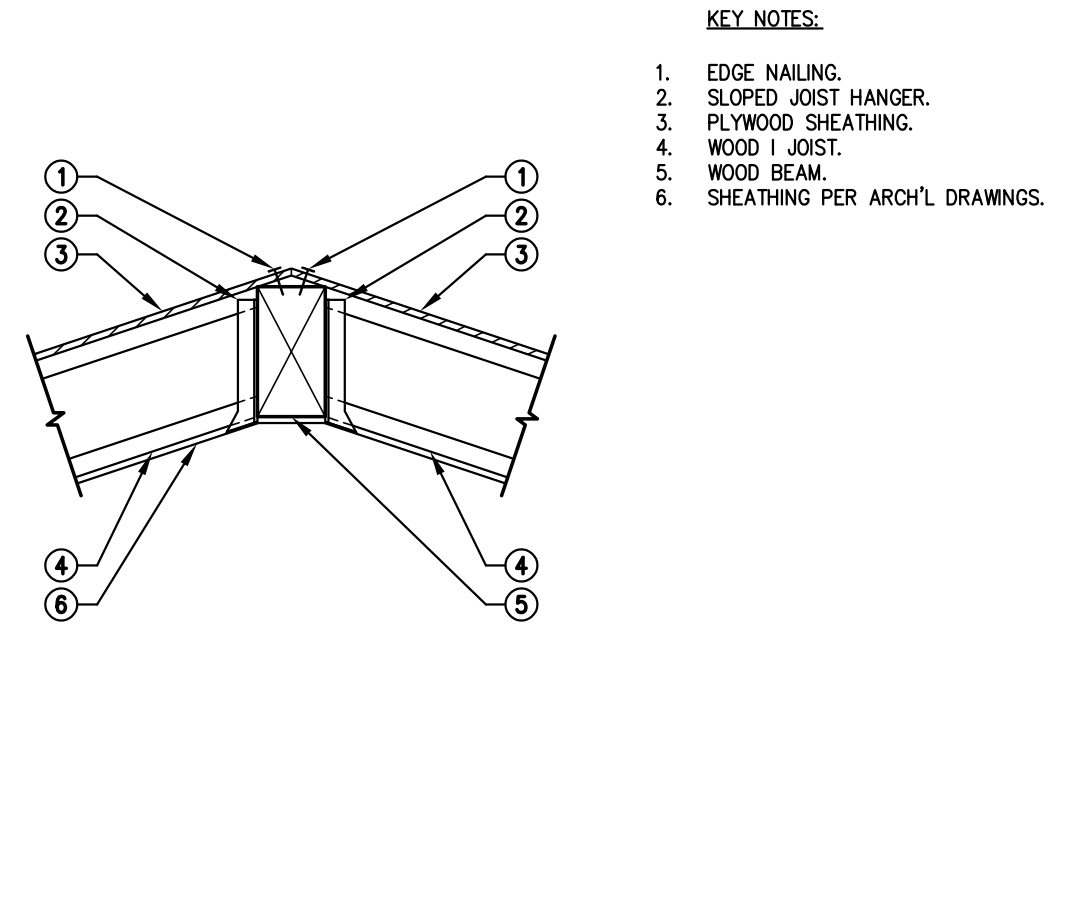
232 STEEL TUBE BEAMS AT STEEL TUBE COLUMN
18-026 NOT TO SCALE



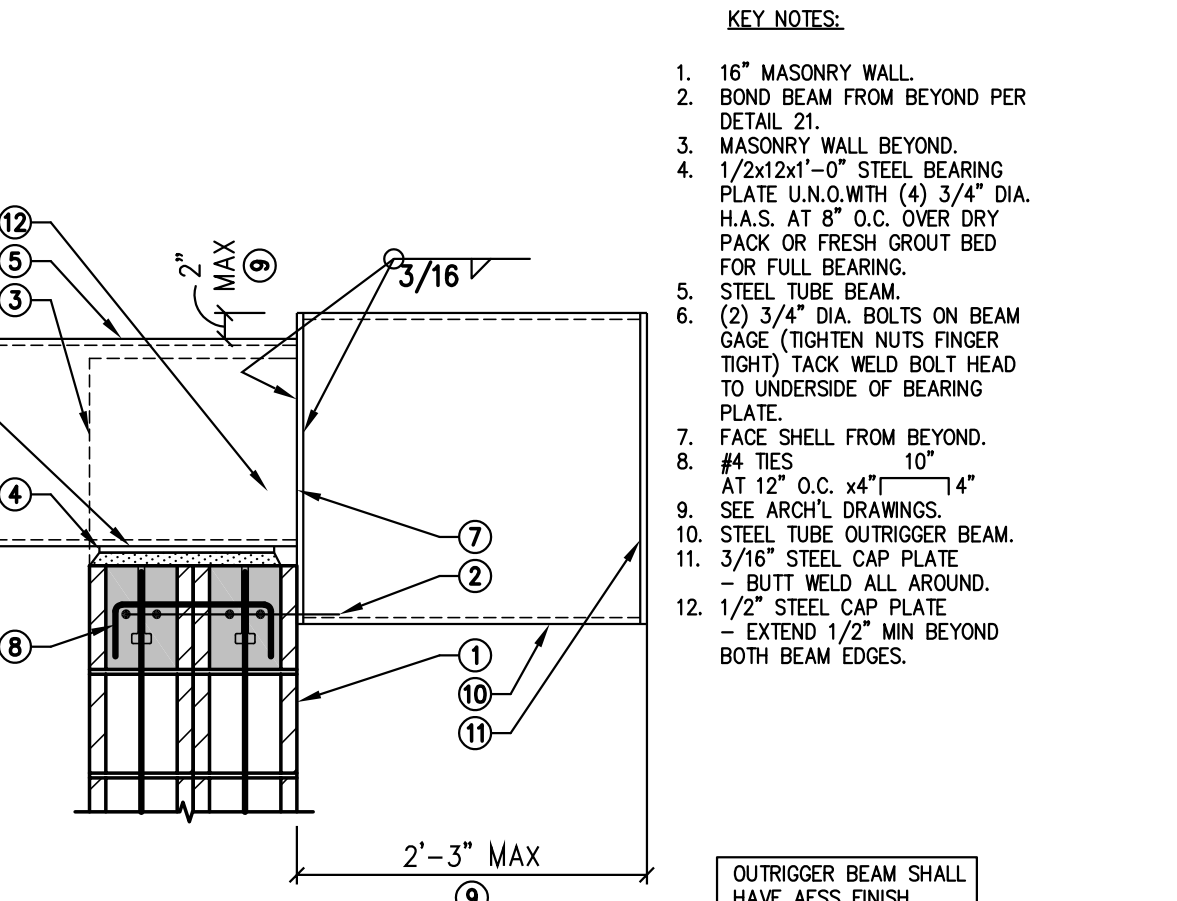
231 WOOD BEAM AT ICF WALL CORNER
23-168 NOT TO SCALE



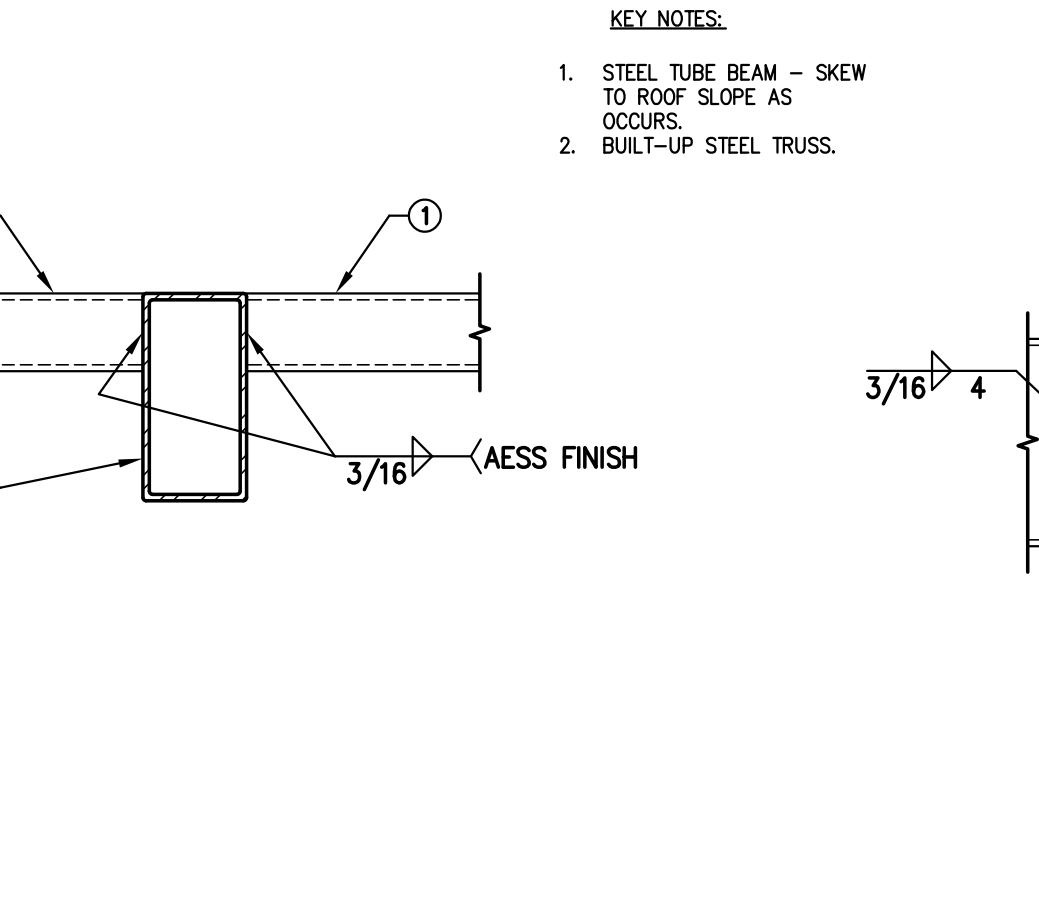
239 WOOD I JOISTS AT WOOD HIP BEAM
18-026 NOT TO SCALE



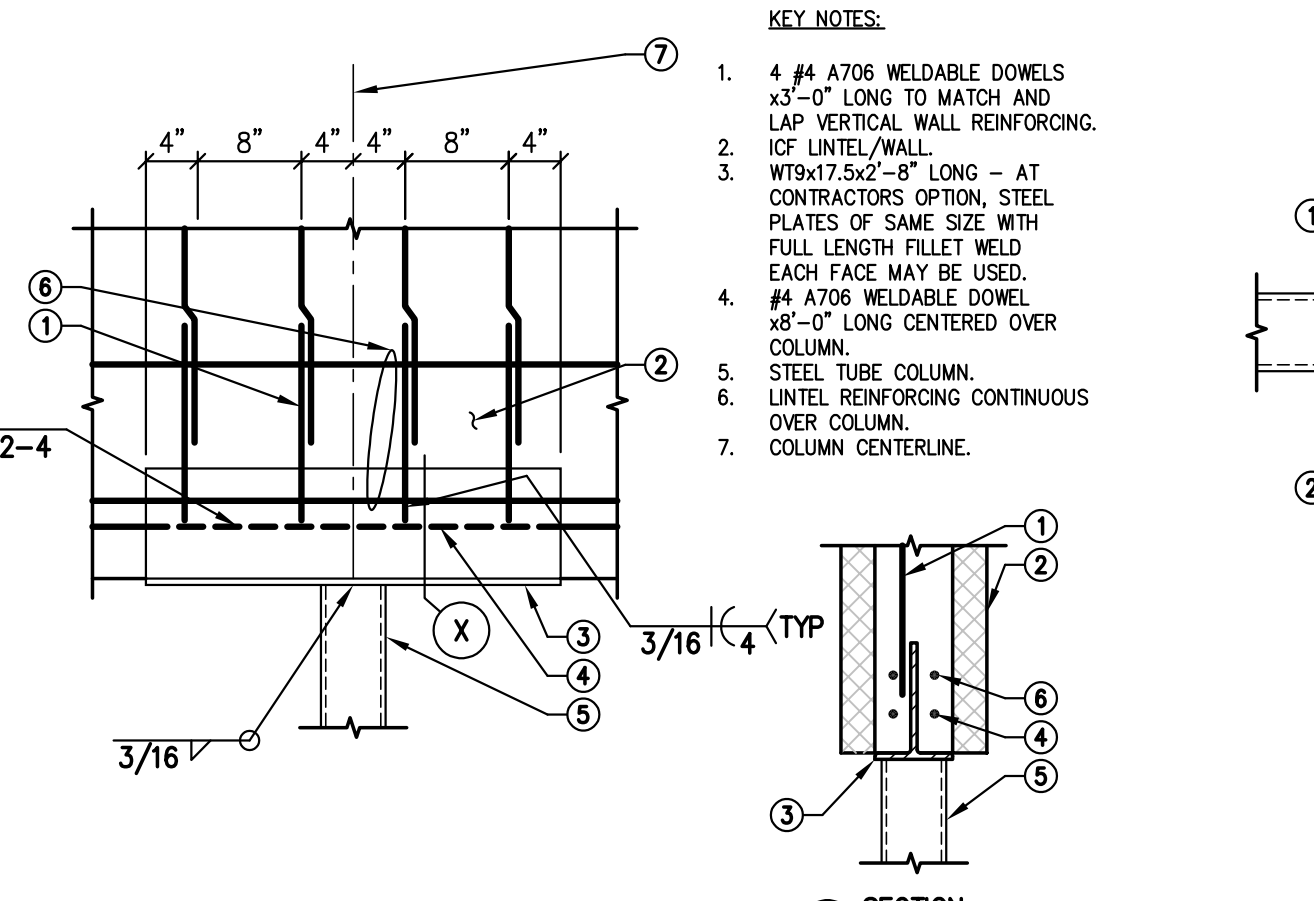
238 STEEL TUBE BEAM WITH OUTRIGGER AT TOP OF 16" MASONRY WALL
713-01.1M NOT TO SCALE



237 STEEL TUBE BEAMS AT BUILT-UP STEEL TRUSS
18-026 NOT TO SCALE



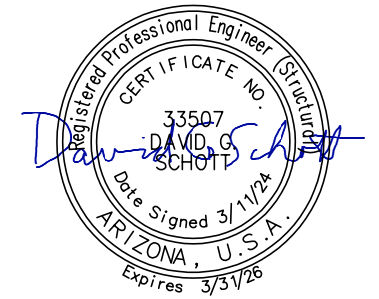
236 REINFORCED ICF WALL LINTEL AT STEEL COLUMN
18-027 NOT TO SCALE



230 WOOD BEAM AT ICF WALL CORNER
23-168 NOT TO SCALE

Note:
Per City of Phoenix City Code Chapter 2, section 2-28, these plans are for official use only and may not be shared with others except as required to fulfill the obligations of your contract with the City of Phoenix.

Revisions	Date
△ CITY COMMENTS	3/11/24



Designed By: DGS
Drawn By: KAF
Checked By: DGS
Date: 12/14/2023
Phase: PERMIT

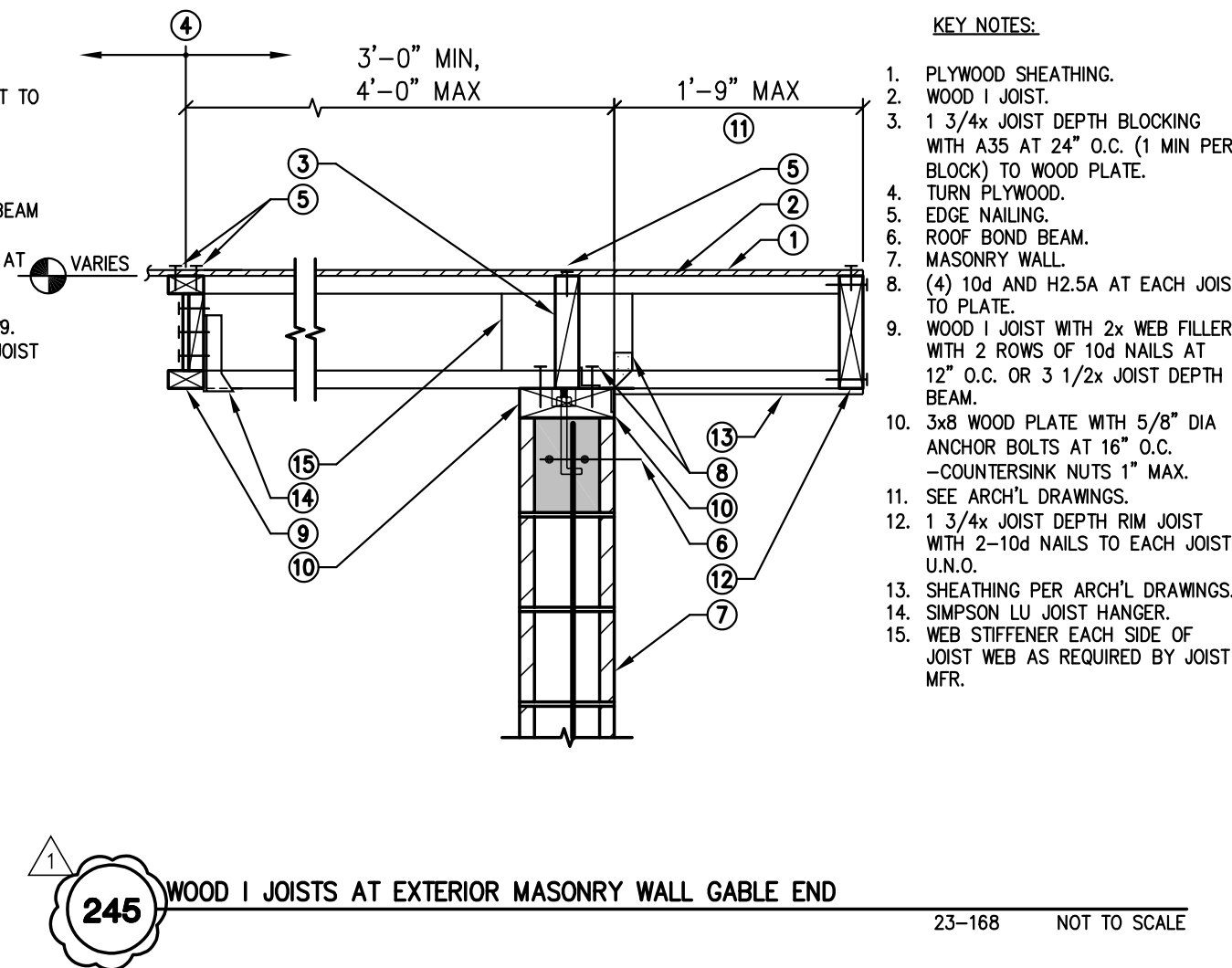
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Architects of Arizona
2929 North Central Avenue, Suite # 1600
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480.951.5900 480.951.3045 f
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Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**
Index No:
FD57100020-3

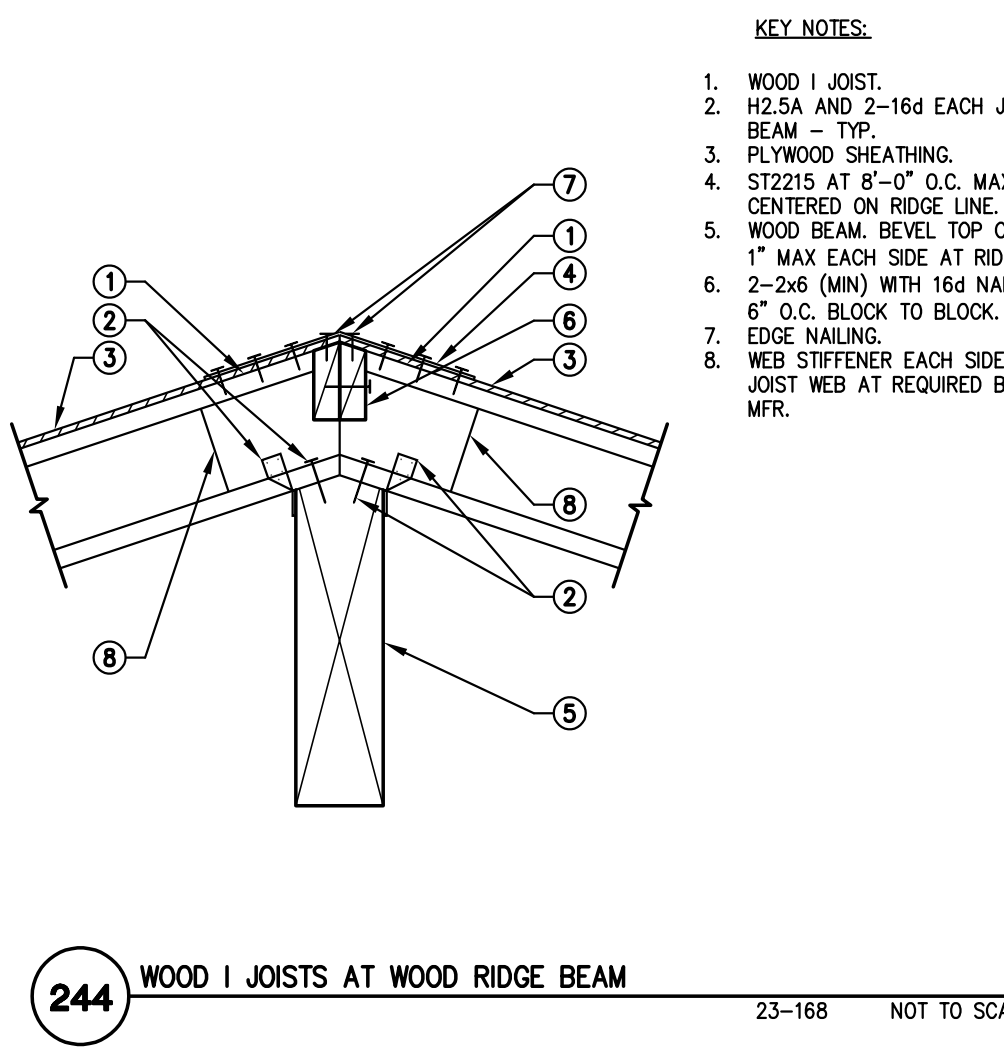
Simply Structural #23-168
ENG:DGS
602-443-0303 Fax 602-443-9404
730 N. 52nd Street, Suite 105
Phoenix, Arizona 85008
dgs@simplystructural.com

KIVA # 23-1810
SDEV # 2300473
**FRAMING DETAILS
241-260
S4.03**

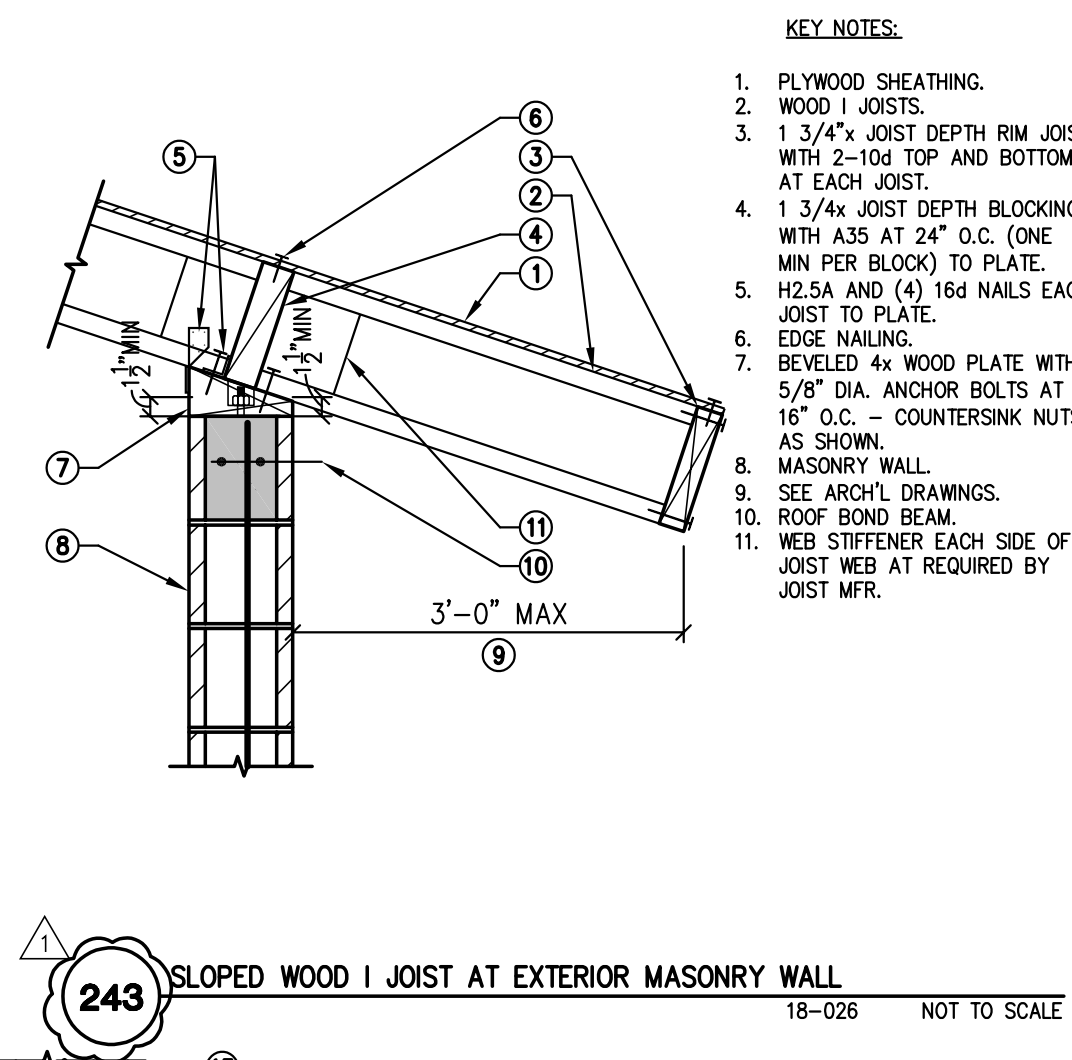
CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL



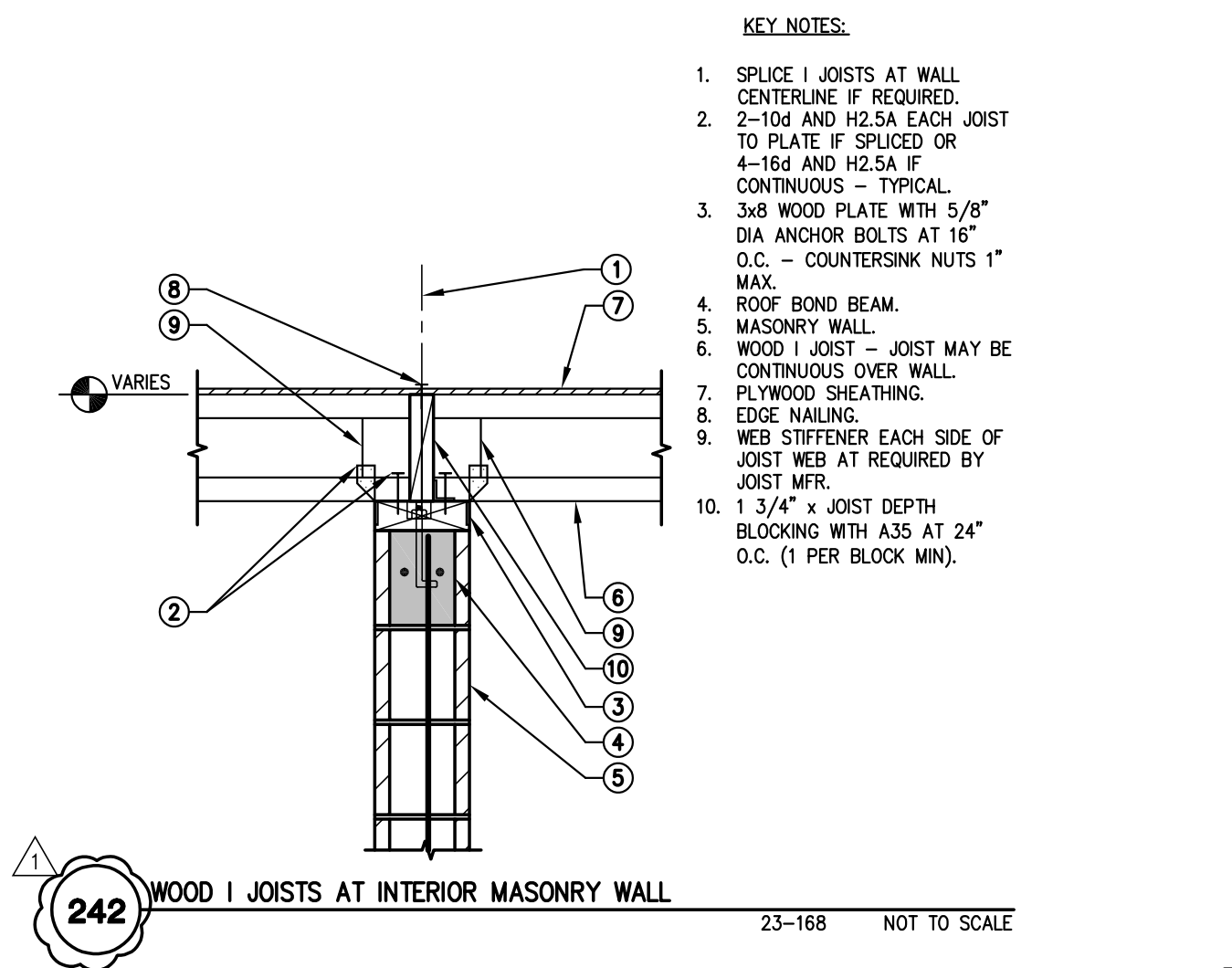
245 WOOD I JOISTS AT EXTERIOR MASONRY WALL GABLE END 23-168 NOT TO SCALE



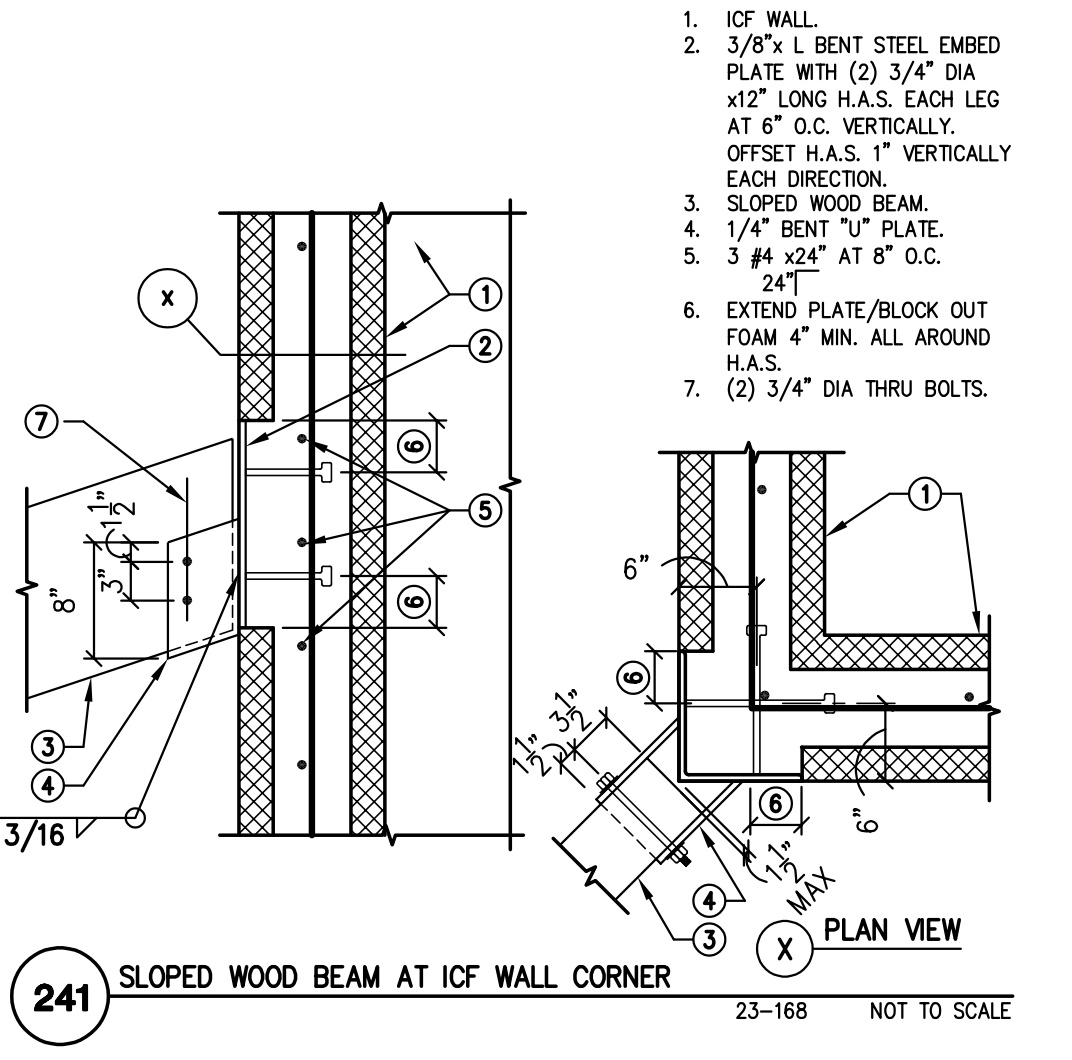
244 WOOD I JOISTS AT WOOD RIDGE BEAM 23-168 NOT TO SCALE



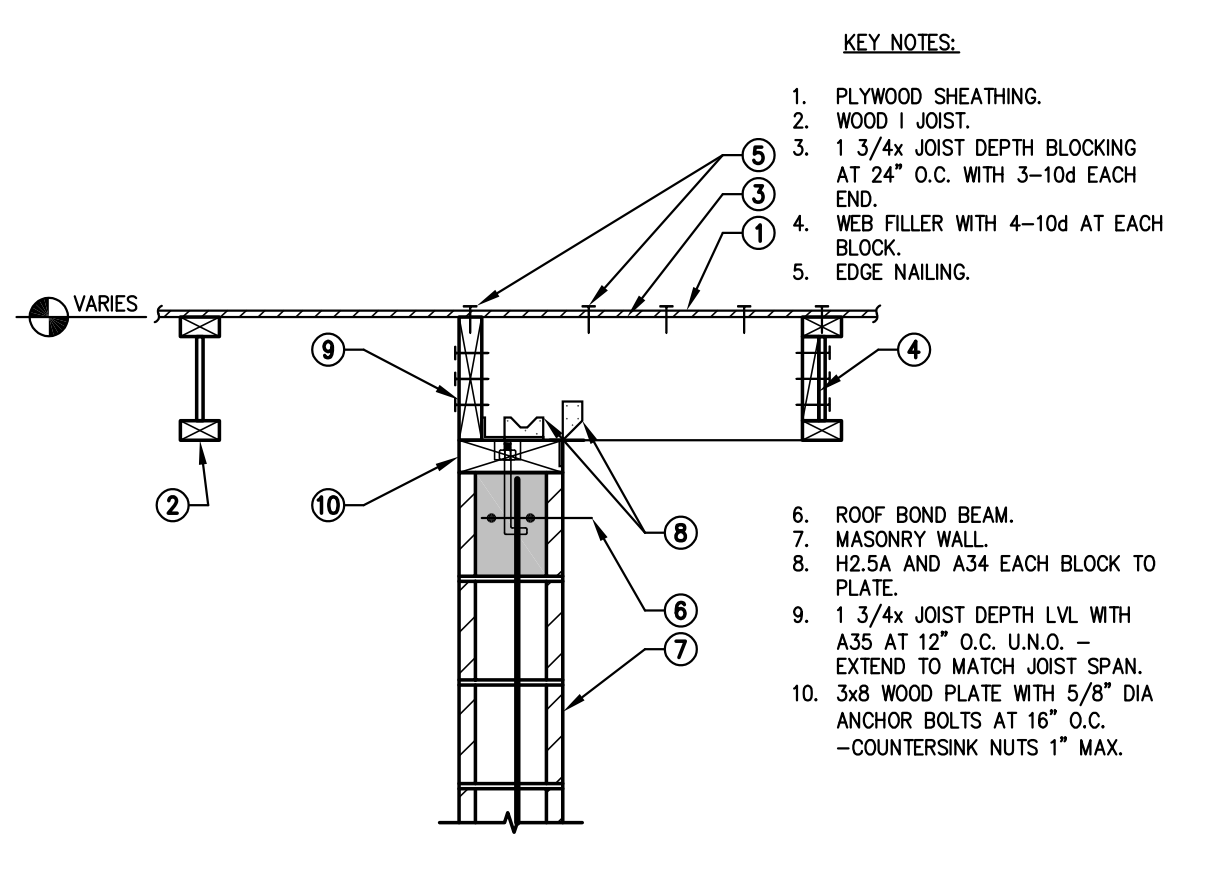
243 SLOPED WOOD I JOIST AT EXTERIOR MASONRY WALL 18-026 NOT TO SCALE



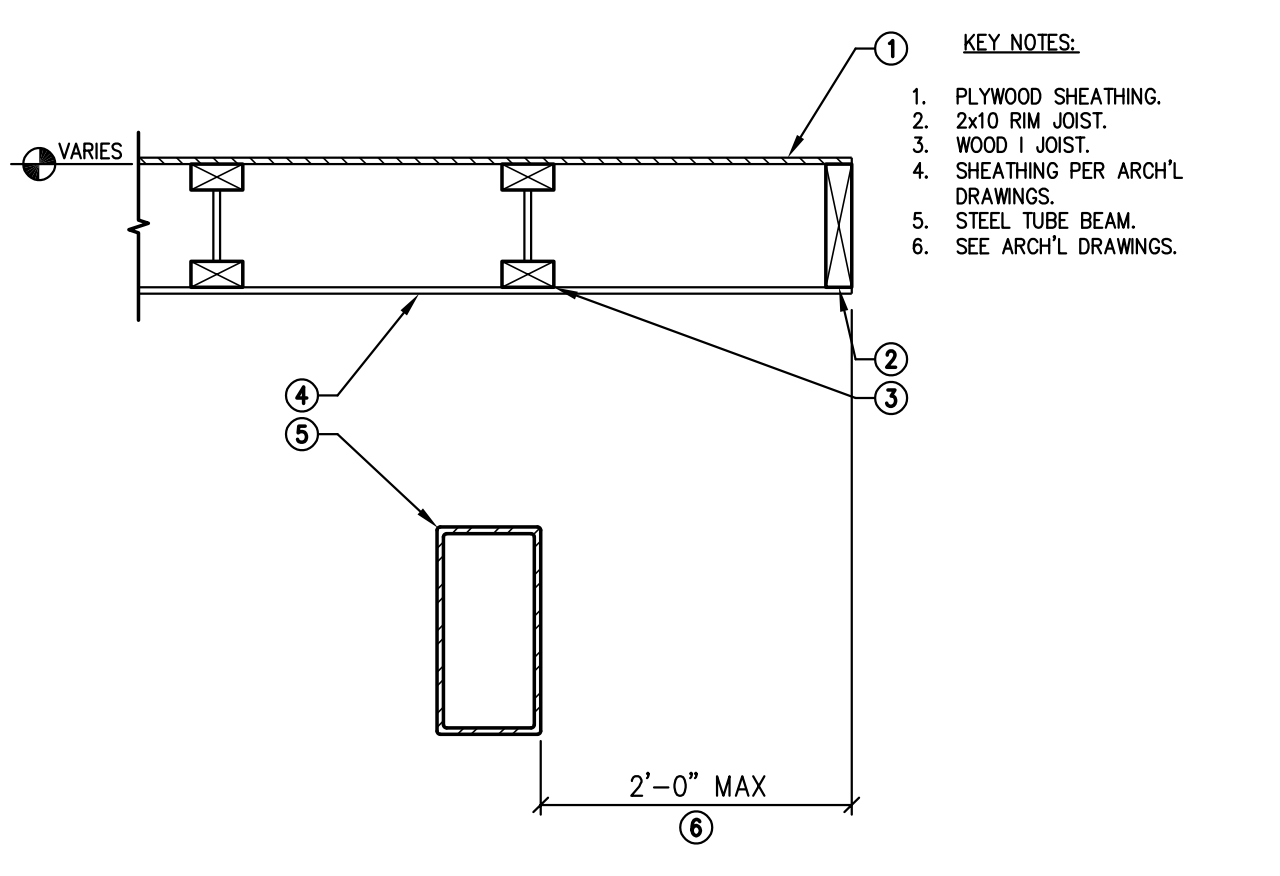
242 WOOD I JOISTS AT INTERIOR MASONRY WALL 23-168 NOT TO SCALE



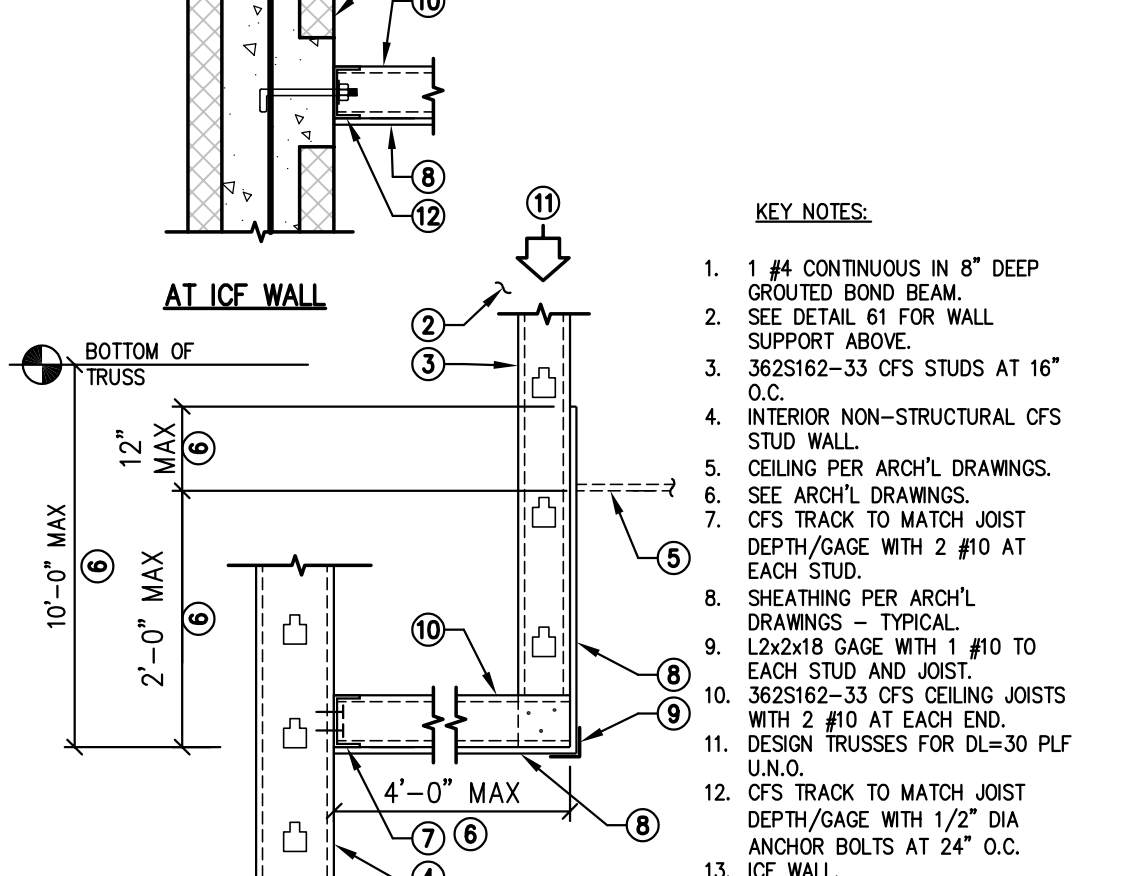
241 SLOPED WOOD BEAM AT ICF WALL CORNER 23-168 NOT TO SCALE



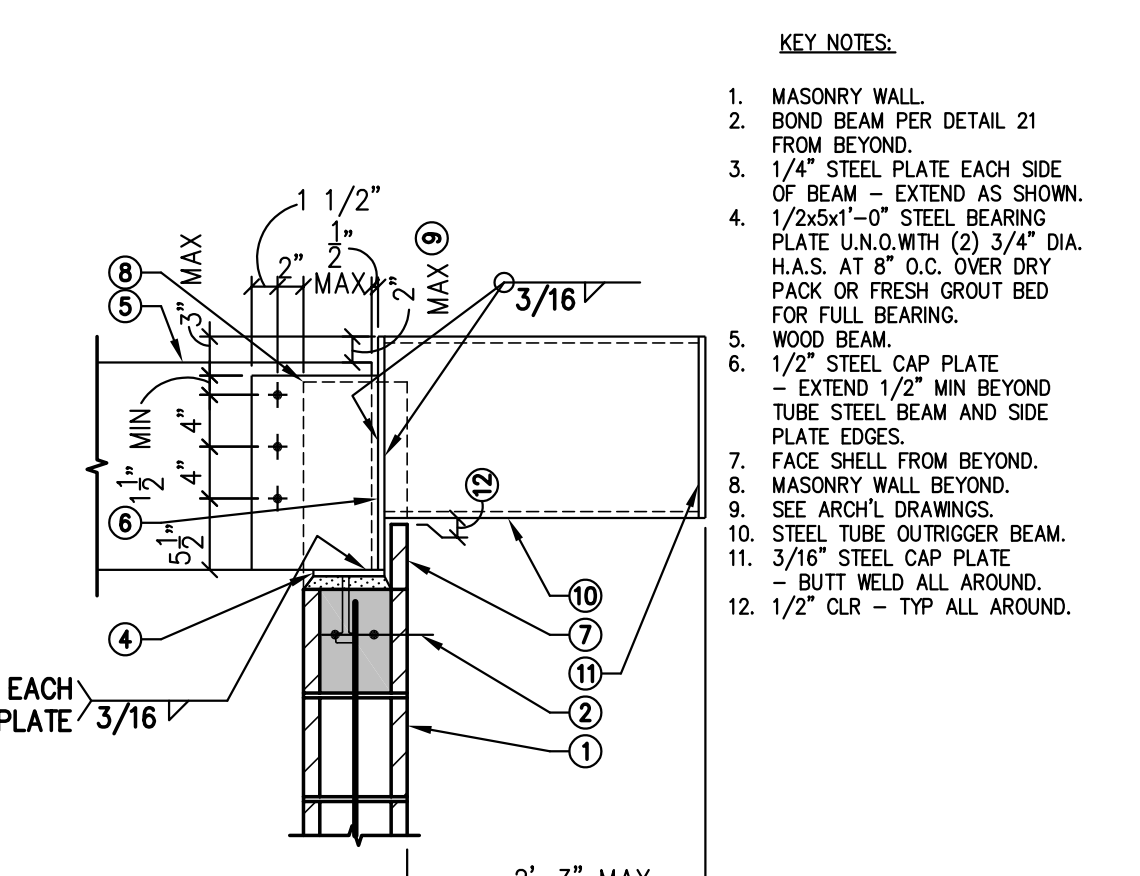
246 SLOPED WOOD 'I' JOISTS AND PLYWOOD SHEATHING AT ICF WALL 23-168 NOT TO SCALE



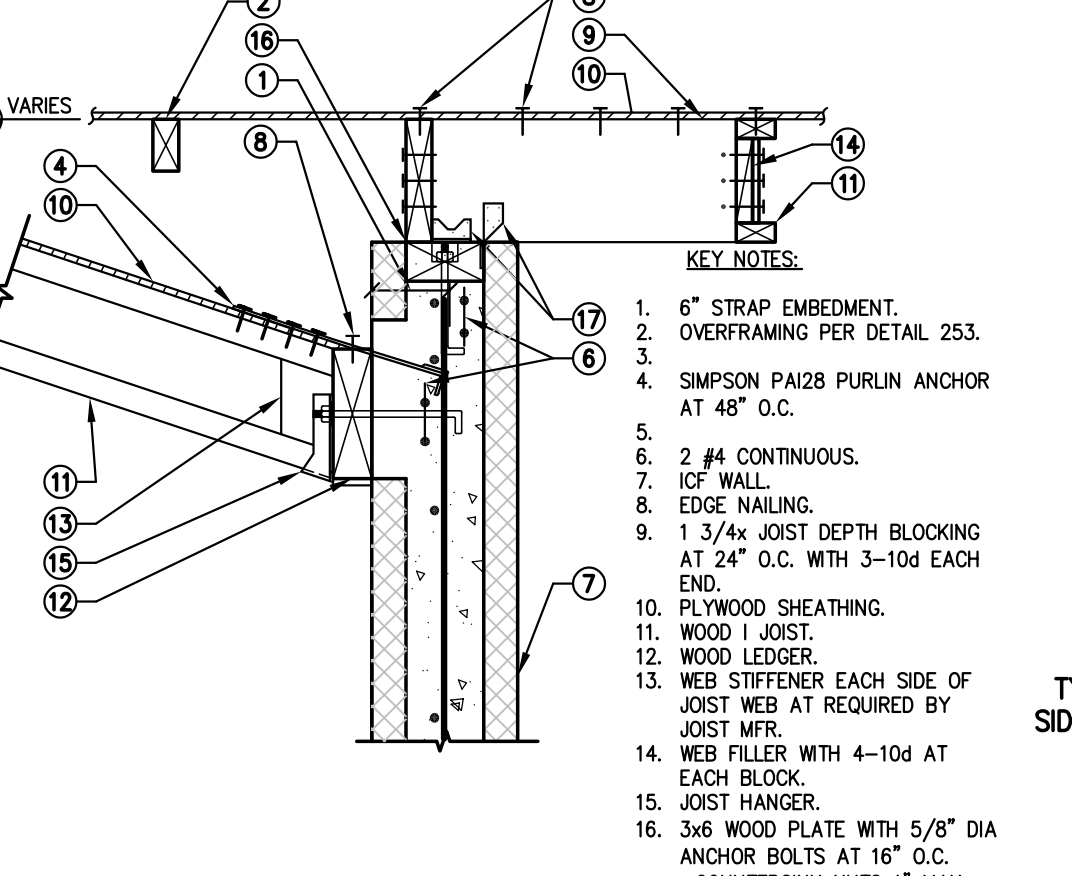
249 EXTERIOR WALKWAY EDGE SECTION 18-026 NOT TO SCALE



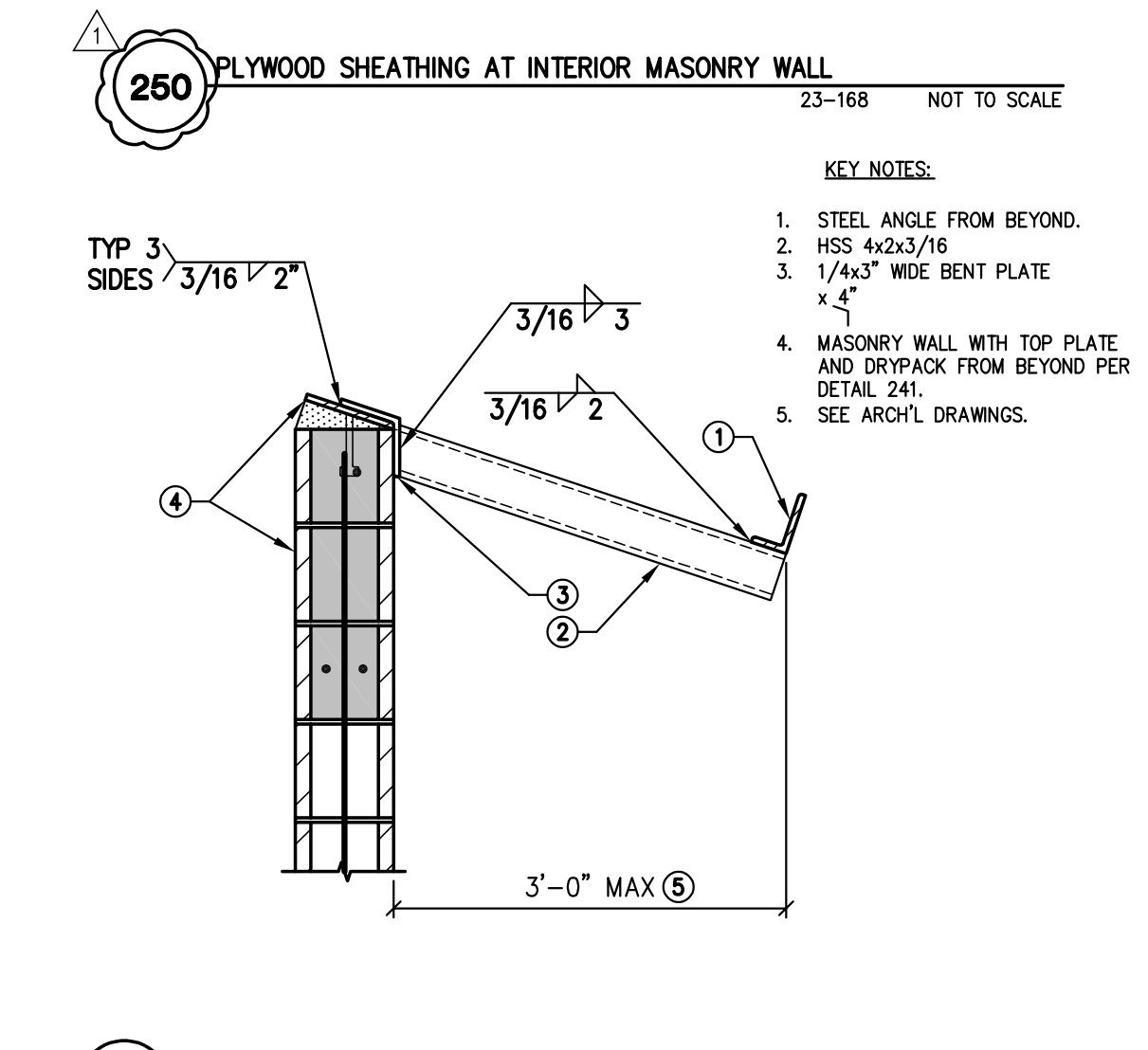
248 INTERIOR CFS STUD SOFFIT WALL SECTION AT CFS STUD OR ICF WALL 23-168 NOT TO SCALE



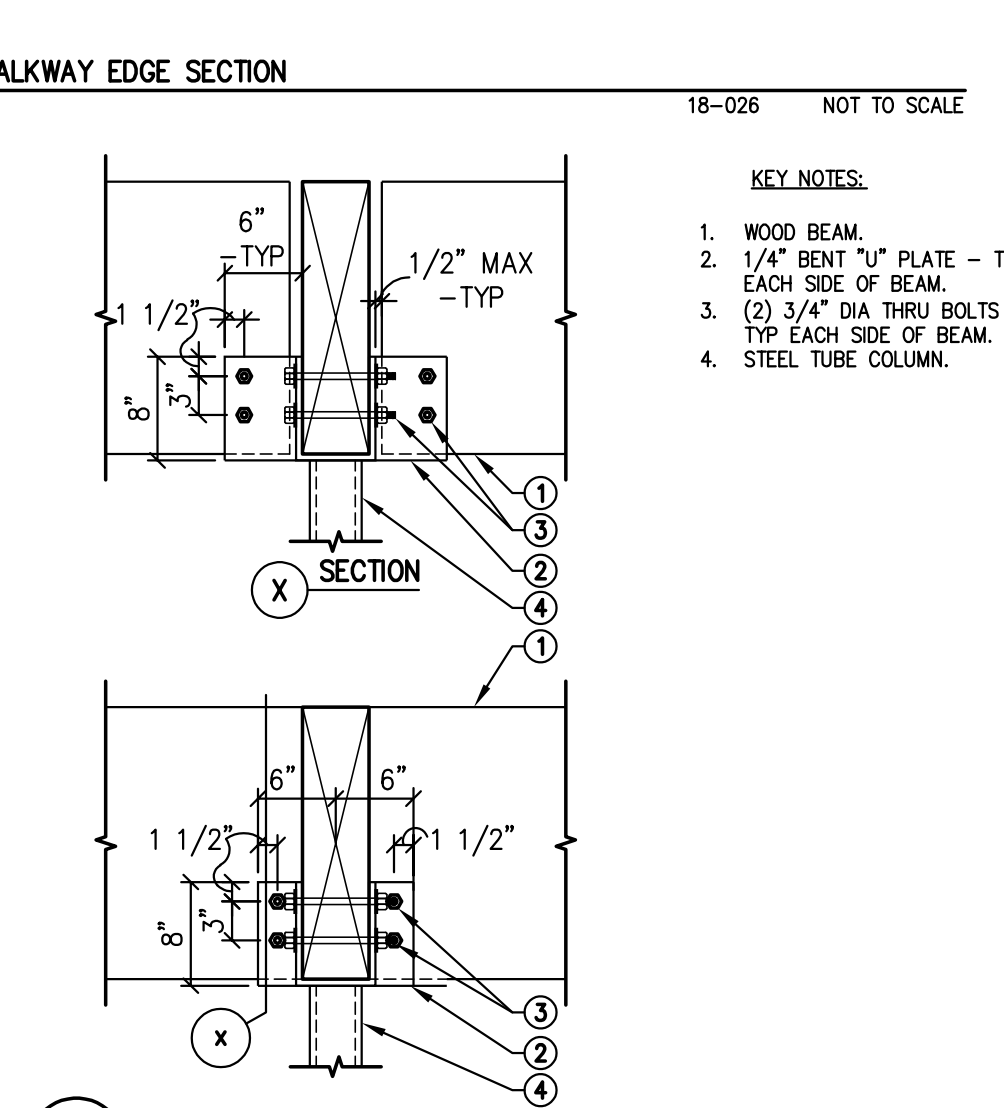
247 WOOD RIDGE BEAM AT TOP OF EXTERIOR MASONRY WALL WITH STEEL TUBE OUTRIGGER 713-01.1M NOT TO SCALE



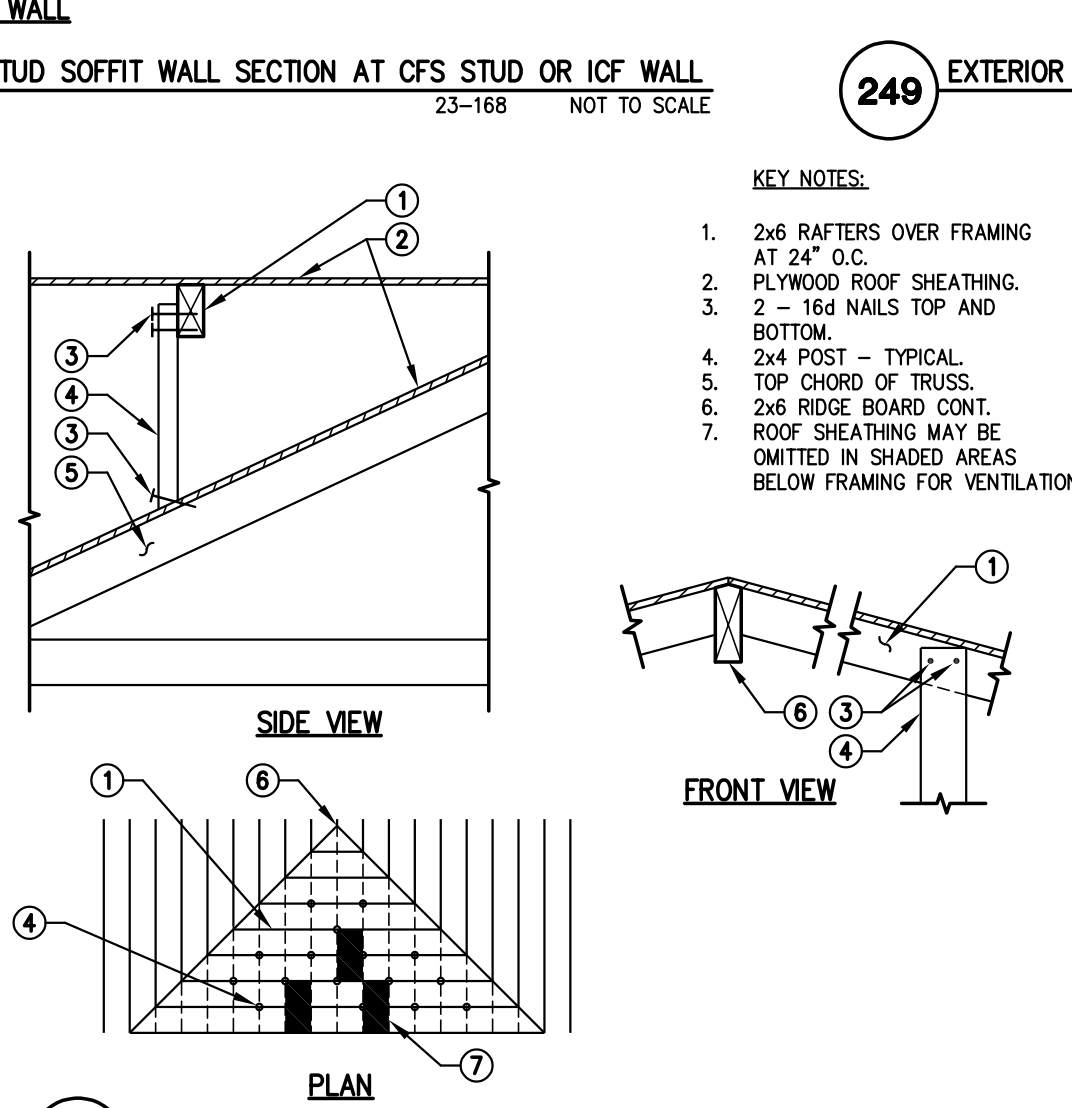
246 SLOPED WOOD 'I' JOISTS AND PLYWOOD SHEATHING AT ICF WALL 23-168 NOT TO SCALE



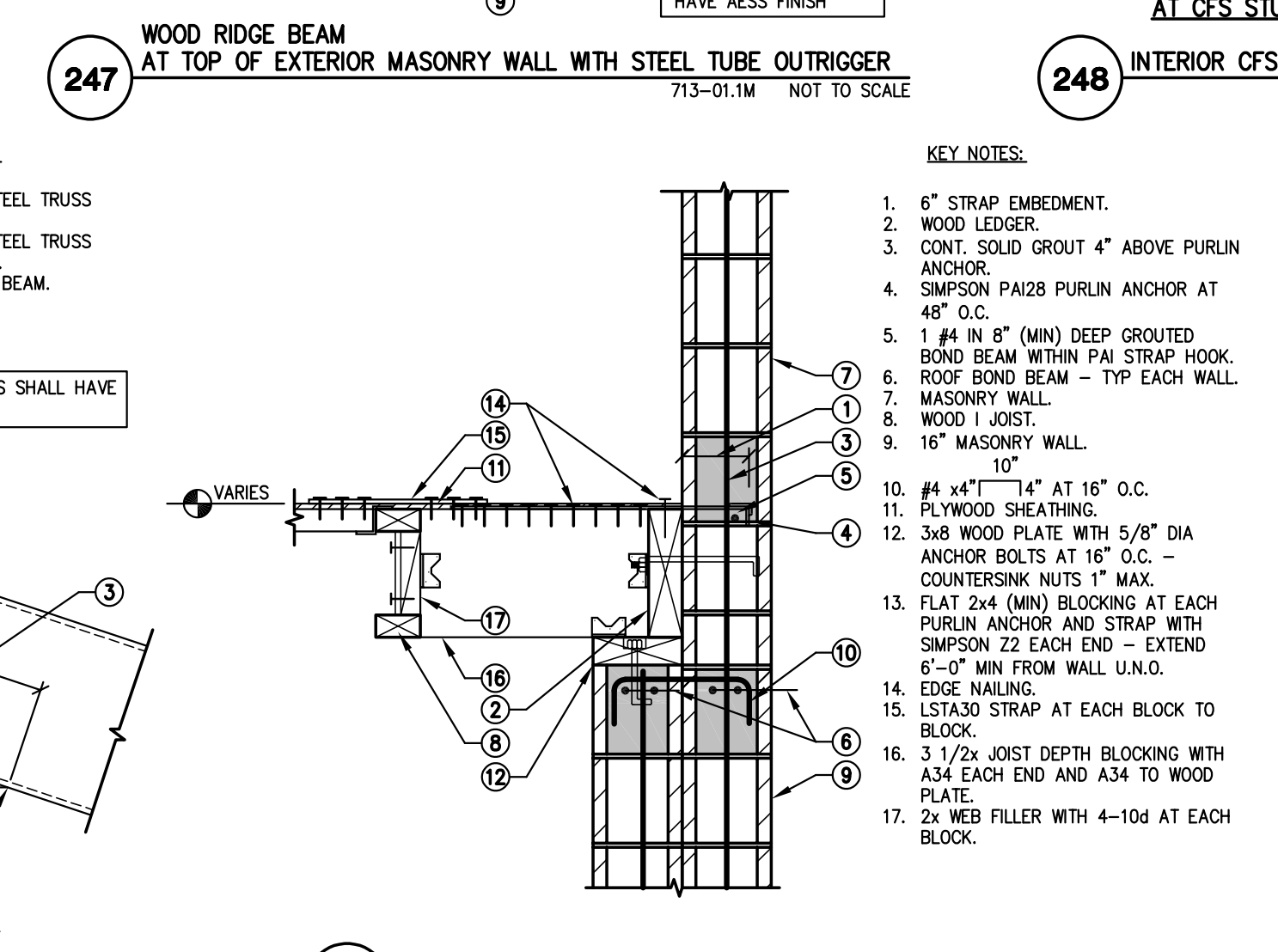
255 STEEL TUBE BEAM AT EXTERIOR MASONRY WALL 23-168 NOT TO SCALE



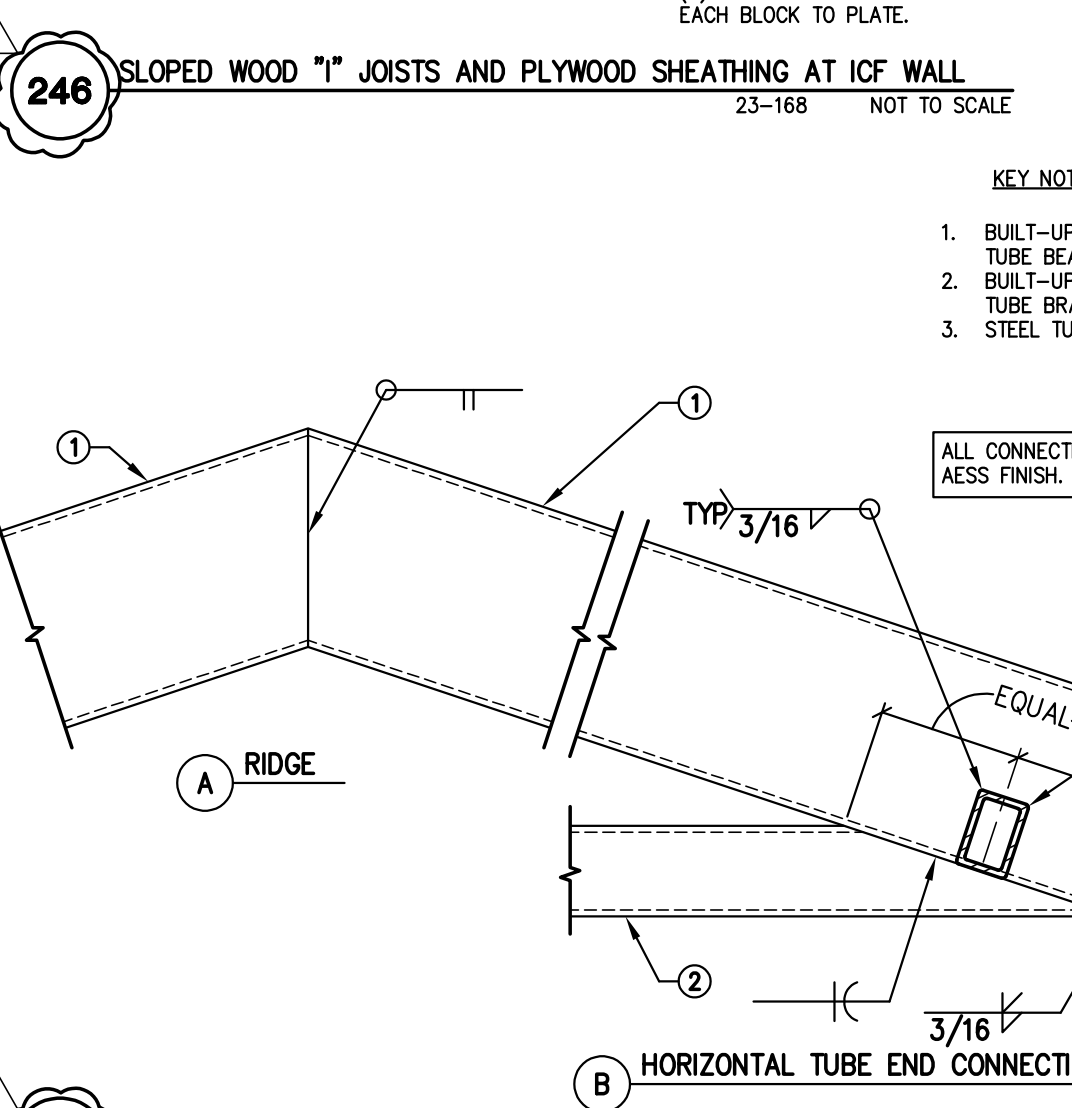
254 WOOD BEAMS TO TUBE STEEL COLUMN CONNECTION 23-168 NOT TO SCALE



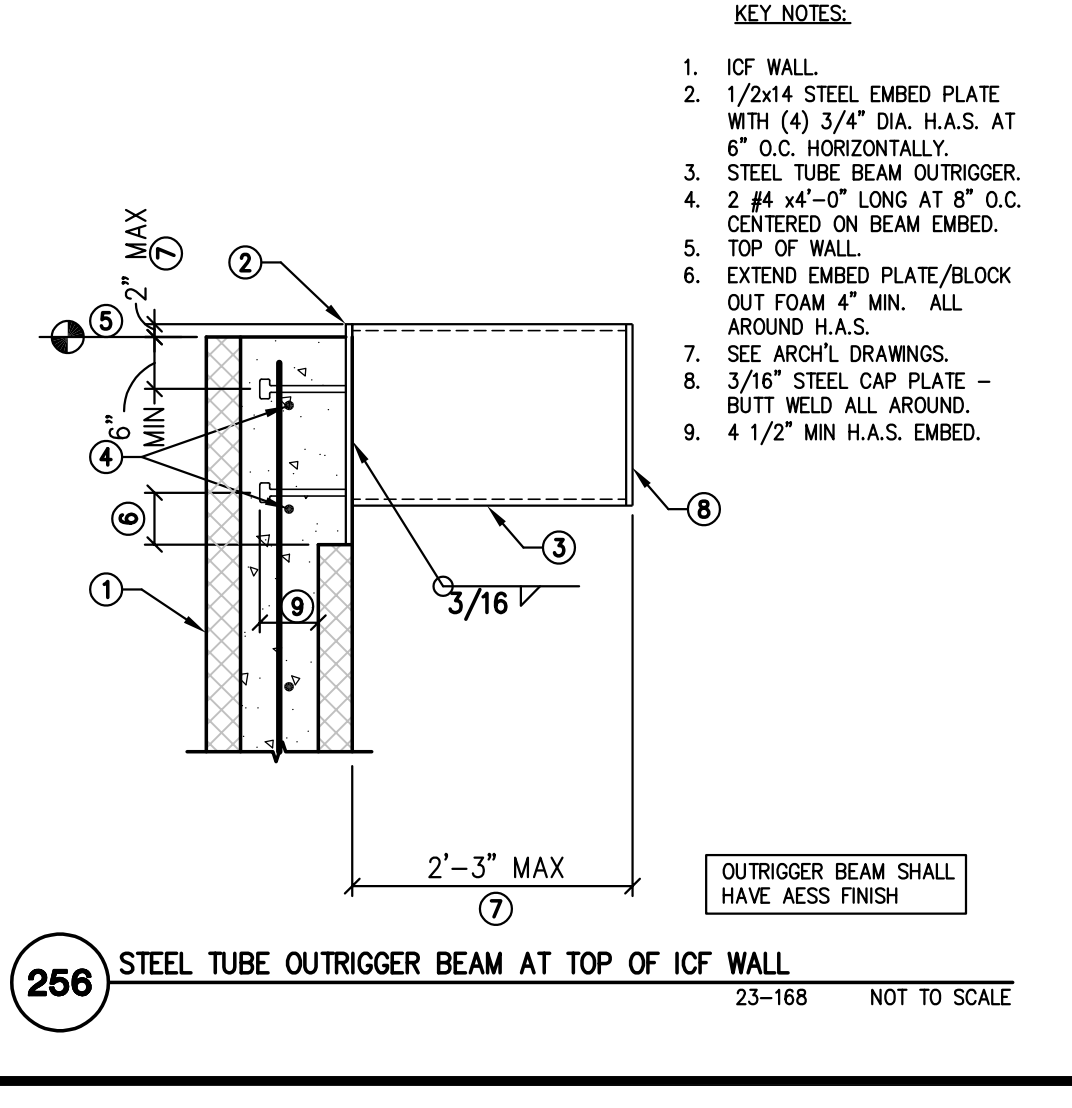
253 OVER FRAMING 400-06 NOT TO SCALE



252 PLYWOOD SHEATHING AT 16\"/>



251 BUILT-UP STEEL TRUSS CONNECTIONS 23-168 NOT TO SCALE



256 STEEL TUBE OUTRIGGER BEAM AT TOP OF ICF WALL 23-168 NOT TO SCALE

Revisions	Date
△ CITY COMMENTS	3/10/24



Designed By:
CR / PN

Drawn By:
CR / PN

Checked By:
GJJ

Date:
12/14/2023

Phase:
PERMIT

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Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**
Index No: **FD57100020-3**

CITY OF PHOENIX
OFFICE OF THE CITY ENGINEER
FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

KIVA # **23-1810**
SDEV # **2300473**

MECHANICAL NOTES
M1.01

HVAC SYMBOLS AND ABBREVIATIONS			
SINGLE LINE	DOUBLE LINE	DESCRIPTION	ABBR.
		NEW RECTANGULAR DUCTWORK (SUPPLY, RETURN, EXHAUST, RELIEF) REFER TO PLANS FOR SIZE	-
		TRANSITION	-
		NEW ROUND OR OVAL DUCTWORK (SUPPLY, RETURN, EXHAUST, RELIEF) REFER TO PLANS FOR SIZE	-
		EXISTING DUCTWORK	-
		45 DEG. TAP AT BRANCH DUCTS	-
		DUCT SPLIT WITH DAMPER: USE AT ELBOWS, TEES, AND WHERE INDICATED PER SMAGNA (LATEST EDITION)	-
		CURVED ELBOW-MINIMUM RADIUS R: 1.5 WIDTH PER SMAGNA (LATEST EDITION)	-
		90 DEG. ELBOW WITH SINGLE RADIUS TURNING VANES (RADIUS HEEL ALLOWED FOR DUCT 12X12" AND SMALLER)	-
		FLEXIBLE DUCT CONNECTION	FLEX
		VOLUME DAMPER WITH LOCKING QUADRANT	VD
		SPIN-IN FLEX DUCT TAKE-OFF WITH VOLUME DAMPER (UNLESS NOTED OTHERWISE IN AIR DEVICE SCHEDULE)	-
		SPLITTER DAMPER WITH LOCKING QUADRANT	S&Q
		SUPPLY AIR 3-WAY 2-WAY 1-WAY	SA
		EXHAUST AIR	EXH
		RETURN AIR	RA
		RELIEF AIR	REL
		OUTSIDE AIR	OSA
		CONNECTION OF NEW WORK TO EXISTING	P.O.C.
		TRANSFER AIR	TA
		EXHAUST REGISTER	ER
		ABOVE FINISHED FLOOR	AFF
		BELOW FINISHED FLOOR	BFF
		NOT TO SCALE	NTS
		SENSOR	S
		THERMOSTAT	T
		FIRE DAMPER	FD
		COMBINATION FIRE AND SMOKE DAMPER	CFSD
		DUCT MOUNTED SMOKE DETECTOR	SD
		FIRE STAT (REFER TO SPECIFICATIONS FOR TEMP)	-
		OUTSIDE AIR TEMPERATURE SENSOR	-
		DOOR UNDERCUT (WITH SIZE)	-
		EXISTING	-
		RELOCATED	-
		BACK DRAFT DAMPER (ARROW DENOTES DIRECTION OF AIR FLOW)	BDD

HVAC ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
CD	CEILING DIFFUSER
RG	RETURN GRILLE
EG	EXHAUST GRILLE
SD	SUPPLY DIFFUSER
TG	TRANSFER GRILLE
BDD	BACK DRAFT DAMPER
AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
WG	WAVE GUIDE VENT (RF SHIELDING)
MP	MEDIUM PRESSURE
OSA	OUT SIDE AIR
EF	EXHAUST FAN
AHU	AIR HANDLING UNIT
FCU	FAN COIL UNIT
WSHP	WATER SOURCE HEAT PUMP
CU	CONDENSING UNIT
HP	HEAT PUMP (PACKAGED)
LD	LINEAR DIFFUSER
OBD	OPPOSED BLADE DAMPER
A.P.	ACCESS PANEL (COORDINATE WITH ARCH)

AIR DEVICE SCHEDULE													
DEVICE SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	DEVICE SIZE	NECK SIZING		COLOR	MATERIAL	DAMPER	NC MAX	FRAME TYPE	NOTES	
					CFM RANGE	NECK SIZE							
	CEILING DIFFUSER CD-1	TITUS	OMNI	24x24"	0-199	8"φ	PER ARCH.	STEEL	-	30	-	-PROVIDE AND INSTALL WITH GYP. OR LAY-IN FRAME TO MATCH CEILING TYPE OF INTENDED LOCATION. USE RAPID MOUNT FRAME FOR ACCESS TO DUCT BALANCING DAMPER WHERE LOCATED IN GYP.	
	CEILING DIFFUSER CD-3	TITUS	OMNI-A	24x24"	200-399	10"φ	PER ARCH.	STEEL	-	30	-	-ALL ALUMINUM WHERE CONNECTED TO EVAPORATIVE COOLED SYSTEMS.	
	CEILING DIFFUSER CD-2	TITUS	MCD	12x12"	0-200	8"φ	PER ARCH.	STEEL	OBD	30	GYP.		
	SUPPLY GRILLE SG-1	TITUS	300FL	24x12"	0-199	8"φ	PER ARCH.	ALUM	OBD	30	DUCT	-PROVIDE AND INSTALL WITH WITH 30" DEFLECTION DOWN. -ALL ALUMINUM WHERE CONNECTED TO EVAPORATED COOLED SYSTEMS.	
	EXHAUST GRILLE EG-1	TITUS	350FL	36x16"	0-199	8"φ	PER ARCH.	ALUM	OBD	30	DUCT	-ALL ALUMINUM	
	RETURN GRILLE RG-1	TITUS	350	24x24"	0-199	8"φ	PER ARCH.	STEEL	-	30	GYP. OR LAY-IN	-PROVIDE AND INSTALL WITH GYP. OR LAY-IN FRAME TO MATCH CEILING TYPE OF INTENDED LOCATION. USE RAPID MOUNT FRAME FOR ACCESS TO DUCT BALANCING DAMPER WHERE LOCATED IN GYP.	
	EXHAUST GRILLE EG-2	TITUS	MCD	12x12"	200-399	10"φ	PER ARCH.	STEEL	OBD	30	GYP.		
	EXHAUST GRILLE EG-3	TITUS	FL10	48" LENGTH WITH SINGLE 1" SLOT	0-199	8"φ	PER ARCH.	STEEL	-	30	GYP.	-PROVIDE WITH 48" FBPI-10 INSULATED PLENUM	
	LINEAR DIFFUSER LD-1	TITUS	FL10	48" LENGTH WITH SINGLE 1" SLOT	200-399	10"φ	PER ARCH.	STEEL	-	30	GYP.	-PROVIDE WITH 48" FBPI-10 INSULATED PLENUM	
	LINEAR RETURN LR-1	TITUS	FL10	48" LENGTH WITH SINGLE 1" SLOT	0-199	8"φ	PER ARCH.	STEEL	-	30	GYP.	-PROVIDE WITH 48" FBPI-10 INSULATED PLENUM	
	SUPPLY GRILLE SG-2	TITUS	300RS	SEE NECK SIZING CHART	0-200	10x6"	PER ARCH.	STEEL	-	30	SURF.		
	EXHAUST GRILLE EG-3	TITUS	EGGCRATE	24x24"	201-400	12x8"	PER ARCH.	STEEL	-	30	LAY-IN		
	RETURN GRILLE RG-3	TITUS	350RS	SEE NECK SIZING CHART	401-600	18x8"	PER ARCH.	STEEL	-	30	SURF.		

NOTE: PROVIDE AND INSTALL CABLE OPERATED BALANCE DAMPER WHERE DAMPER IS LOCATED ABOVE GYPSUM BOARD CEILING OR IS OTHERWISE INACCESSIBLE.

OSA VENTILATION CALCULATION																
ZONE	OCCUPANCY CATEGORY (PEOPLE/FT. ²)	TOTAL AREA (FT. ²)	OCCUPANCY DENSITY (PEOPLE/FT. ²)	ZONE POPULATION (PZ)	OSA REQ'D PER PERSON (CFM)	OSA REQ'D PER SQ.FT. (CFM)	BREATHING ZONE OSA (VBZ)(CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS (EZ)	ZONE OUTDOOR AIR FLOW (VOZ)(CFM)	ZONE PRIMARY AIR FLOW (VPZ)(CFM)	PRIMARY OUTDOOR AIR FRACTION (ZP=VOZ/VPZ)	SYSTEM VENTILATION EFFICIENCY (EV)	OCCUPANT DIVERSITY FACTOR (D)	UNCORRECTED OUTDOOR AIR INTAKE (VOU)	TOTAL OSA REQUIRED PER ASHRAE 62.1 (VOT)(CFM)	TOTAL OSA PROVIDED (CFM)
AC-1	CORRIDOR	128	-	-	-	0.06	8	0.8	10	70	0.1429					
	STORAGE	152	-	-	-	0.12	18	0.8	22	100	0.22					
	SLEEP ROOM	795	10/1000	8	25	-	200	0.8	250	1240	0.2016	0.9	1.0	226	251	350
AC-2	CORRIDOR	463	-	-	-	0.06	28	0.8	35	310	0.1129					
	SLEEP ROOM	646	10/1000	7	25	-	175	0.8	219	1290	0.1698	0.9	1.0	203	226	350
AC-3	KITCHEN AREA	769	10/1000	8	7.55	0.18	199	0.8	249	2000	0.1245	0.9	1.0	199	249	375
AC-4	LOBBY	180	10/1000	2	5	0.06	21	0.8	26	260	0.1					
	OFFICE	226	5/1000	2	5	0.06	24	0.8	30	395	0.0759					
	CONFERENCE	433	50/1000	22	5	0.06	136	0.8	170	720	0.2361	0.7	1.0	233	333	350
	CORRIDOR	360	-	-	-	0.06	22	0.8	28	90	0.3111					
	STORAGE	103	-	-	-	0.12	12	0.8	15	50	0.3					
AC-5	FITNESS ROOM	1009	10/1000	11	20	0.06	281	0.8	351	1925	0.1823	0.9	1.0	281	312	380

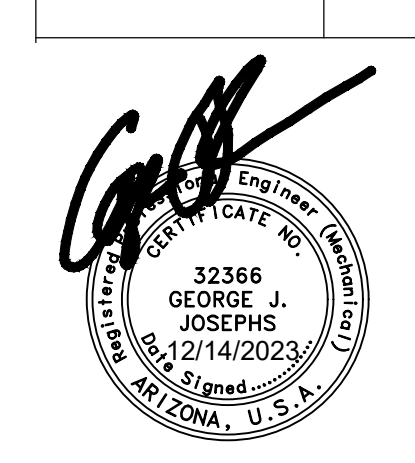
NOTE: VENTILATION SHALL BE BALANCED BY AN APPROVED METHOD. A BALANCE REPORT SHALL VERIFY THAT THE VENTILATION SYSTEM IS CAPABLE OF SUPPLYING THE AIRFLOW RATES REQUIRED BY 2018 IMC SECTION 403. SAID REPORT MUST BE PRESENTED TO THE ADMINISTRATIVE AUTHORITY.

AME PROJECT #23-088

ASSOCIATED MECHANICAL ENGINEERS, PLLC
1121 W. Warner Rd., Suite 107
Tempe, AZ 85284
480.966.3996 Phone

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Revisions	Date
1 CITY COMMENTS	3/7/24



Designed By:
CR / PN

Drawn By:
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Checked By:
GJJ

Date:
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Phase:
PERMIT

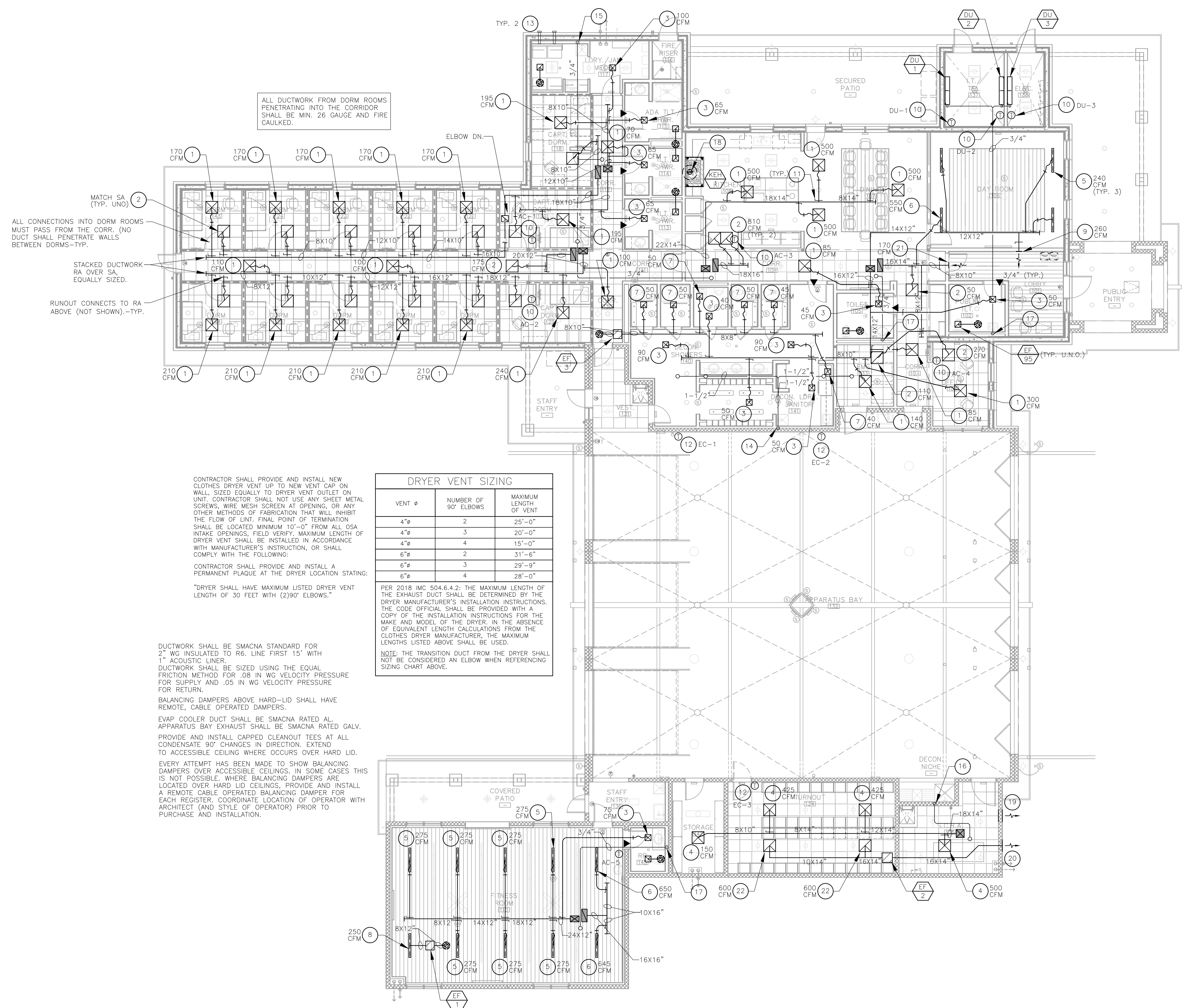
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M2.01

CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL



ALL DUCTWORK FROM DORM ROOMS PENETRATING INTO THE CORRIDOR SHALL BE MIN. 26 GAUGE AND FIRE CAULKED.

MATCH SA (TYP. UNO)
ALL CONNECTIONS INTO DORM ROOMS MUST PASS FROM THE CORR. (NO DUCT SHALL PENETRATE WALLS BETWEEN DORMS-TYP.)

STACKED DUCTWORK RA OVER SA, EQUALLY SIZED.
RUNOUT CONNECTS TO RA ABOVE (NOT SHOWN)-TYP.

CONTRACTOR SHALL PROVIDE AND INSTALL NEW CLOTHES DRYER VENT UP TO NEW VENT CAP ON WALL, SIZED EQUALLY TO DRYER VENT OUTLET ON UNIT. CONTRACTOR SHALL NOT USE ANY SHEET METAL SCREWS, WIRE MESH SCREEN AT OPENING, OR ANY OTHER METHODS OF FABRICATION THAT WILL INHIBIT THE FLOW OF LINT. FINAL POINT OF TERMINATION SHALL BE LOCATED MINIMUM 10'-0" FROM ALL OSA INTAKE OPENINGS. FIELD VERIFY. MAXIMUM LENGTH OF DRYER VENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION, OR SHALL COMPLY WITH THE FOLLOWING:

CONTRACTOR SHALL PROVIDE AND INSTALL A PERMANENT PLAQUE AT THE DRYER LOCATION STATING:

"DRYER SHALL HAVE MAXIMUM LISTED DRYER VENT LENGTH OF 30 FEET WITH (2)90° ELBOWS."

VENT Ø	NUMBER OF 90° ELBOWS	MAXIMUM LENGTH OF VENT
4"	2	25'-0"
4"	3	20'-0"
4"	4	15'-0"
6"	2	31'-6"
6"	3	29'-9"
6"	4	28'-0"

PER 2018 IMC 504.6.4.2: THE MAXIMUM LENGTH OF THE EXHAUST DUCT SHALL BE DETERMINED BY THE DRYER MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE CODE OFFICIAL SHALL BE PROVIDED WITH A COPY OF THE INSTALLATION INSTRUCTIONS FOR THE MAKE AND MODEL OF THE DRYER. IN THE ABSENCE OF EQUIVALENT LENGTH CALCULATIONS FROM THE CLOTHES DRYER MANUFACTURER, THE MAXIMUM LENGTHS LISTED ABOVE SHALL BE USED.

NOTE: THE TRANSITION DUCT FROM THE DRYER SHALL NOT BE CONSIDERED AN ELBOW WHEN REFERENCING SIZING CHART ABOVE.

DUCTWORK SHALL BE SMACNA STANDARD FOR 2" WG INSULATED TO R6. LINE FIRST 15' WITH 1" ACOUSTIC LINER.
DUCTWORK SHALL BE SIZED USING THE EQUAL FRICTION METHOD FOR .08 IN WG VELOCITY PRESSURE FOR SUPPLY AND .05 IN WG VELOCITY PRESSURE FOR RETURN.
BALANCING DAMPERS ABOVE HARD-LID SHALL HAVE REMOTE, CABLE OPERATED DAMPERS.
EVAP COOLER DUCT SHALL BE SMACNA RATED AL. APPARATUS BAY EXHAUST SHALL BE SMACNA RATED GALV.
PROVIDE AND INSTALL CAPPED CLEANOUT TEES AT ALL CONDENSATE 90° CHANGES IN DIRECTION. EXTEND TO ACCESSIBLE CEILING WHERE OCCURS OVER HARD LID.
EVERY ATTEMPT HAS BEEN MADE TO SHOW BALANCING DAMPERS OVER ACCESSIBLE CEILINGS. IN SOME CASES THIS IS NOT POSSIBLE. WHERE BALANCING DAMPERS ARE LOCATED OVER HARD LID CEILINGS, PROVIDE AND INSTALL A REMOTE CABLE OPERATED BALANCING DAMPER FOR EACH REGISTER. COORDINATE LOCATION OF OPERATOR WITH ARCHITECT (AND STYLE OF OPERATOR) PRIOR TO PURCHASE AND INSTALLATION.

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

- # KEYED NOTES:**
1. CEILING DIFFUSER CD-1 AT CFM SHOWN. REFER TO AIR DEVICE SCHEDULE AND NECK SIZING CHART FOR SIZE AND TYPE.
 2. RETURN GRILLE RG-1 AT CFM SHOWN. REFER TO AIR DEVICE SCHEDULE AND NECK SIZING CHART FOR SIZE AND TYPE.
 3. CEILING DIFFUSER CD-2 AT CFM SHOWN. REFER TO AIR DEVICE SCHEDULE AND NECK SIZING CHART FOR SIZE AND TYPE.
 4. CEILING DIFFUSER CD-3 AT CFM SHOWN. REFER TO AIR DEVICE SCHEDULE AND NECK SIZING CHART FOR SIZE AND TYPE.
 5. LINEAR DIFFUSER LD-1 AT CFM SHOWN. REFER TO AIR DEVICE SCHEDULE AND NECK SIZING CHART FOR SIZE AND TYPE.
 6. LINEAR RETURN LR-1 AT CFM SHOWN. REFER TO AIR DEVICE SCHEDULE AND NECK SIZING CHART FOR SIZE AND TYPE.
 7. EXHAUST GRILLE EG-2 AT CFM SHOWN. REFER TO AIR DEVICE SCHEDULE AND NECK SIZING CHART FOR SIZE AND TYPE.
 8. EXHAUST GRILLE EG-3 AT CFM SHOWN. REFER TO AIR DEVICE SCHEDULE AND NECK SIZING CHART FOR SIZE AND TYPE.
 9. SUPPLY GRILLE SG-2 AT CFM SHOWN. REFER TO AIR DEVICE SCHEDULE AND NECK SIZING CHART FOR SIZE AND TYPE.
 10. 24/7 PROGRAMMABLE THERMOSTAT PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. TSTAT SHALL BE A/C UNIT MANUFACTURER'S RECOMMENDED MODEL. MOUNT 48" AFF TO TOP-MOST CONTROL.
 11. PROVIDE AND INSTALL BALANCING DAMPERS WITH REMOTE CABLE OPERATORS (ADJUSTER IN CEILING, TYPICAL FOR ALL BALANCE DAMPERS LOCATED ABOVE INACCESSIBLE CEILING SYSTEM). REF. DETAIL 9/M5.02.
 12. EVAPORATIVE COOLER THERMOSTAT WITH ON/OFF/TEMP.
 13. DRYER VENT FULL SIZE OF DRYER OUTLET OUT TO FACTORY DRYER VENT BOX AND DUCT OUT TO EXTERIOR WALL.
 14. 1-1/2" EVAP DRAIN DOWN IN WALL TO ELBOW OUT AND DOWN OVER MOP SINK. TERMINATE WITH 2" AIR GAP.
 15. 3/4" CD DOWN IN WALL TO ELBOW OUT AND DOWN OVER MOP SINK. TERMINATE WITH 2" AIR GAP.
 16. 3/4" EVAP DRAIN DOWN IN WALL TO ELBOW OVER SINK.
 17. 3/4" CD DOWN IN WALL TO LAVATORY TAILPIECE.
 18. 10"Ø TYPE 1 GREASE DUCT UP TO KITCHEN EXHAUST FAN. PROVIDE WITH 3M FIREMASTER GREASE DUCT WRAP (MIN. FOR 1 HOUR RATING).
 19. 16X8" EXHAUST LOUVER "GREENHECK" MODEL ESJ OR EQUIVALENT.
 20. 24X24" EXHAUST LOUVER "GREENHECK" MODEL ESJ OR EQUIVALENT.
 21. RETURN GRILLE RG-3 AT CFM SHOWN. REFER TO AIR DEVICE SCHEDULE AND NECK SIZING CHART FOR SIZE AND TYPE.
 22. EXHAUST GRILLE EG-3 AT CFM SHOWN. REFER TO AIR DEVICE SCHEDULE AND NECK SIZING CHART FOR SIZE AND TYPE.
- PROVIDE AND INSTALL ACCESSIBLE PLUGGED CLEANOUTS AT ALL 90° TURNS CONDENSATE LINES.
- PROVIDE A COPY OF A THIRD PARTY CERTIFIED AIR BALANCE TESTING REPORT TO THE CITY INSPECTOR PRIOR TO THE FINAL INSPECTION OF THE BUILDING. THIS REPORT NEEDS TO BE CONDUCTED BY A THIRD PARTY CERTIFIED TO CONDUCT AN AIR BALANCE AND APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD. THE REPORT SHALL DEMONSTRATE THAT THE MECHANICAL SYSTEM WILL MEET THE DESIGN AIRFLOWS AS INDICATED ON THE MECHANICAL PLANS.

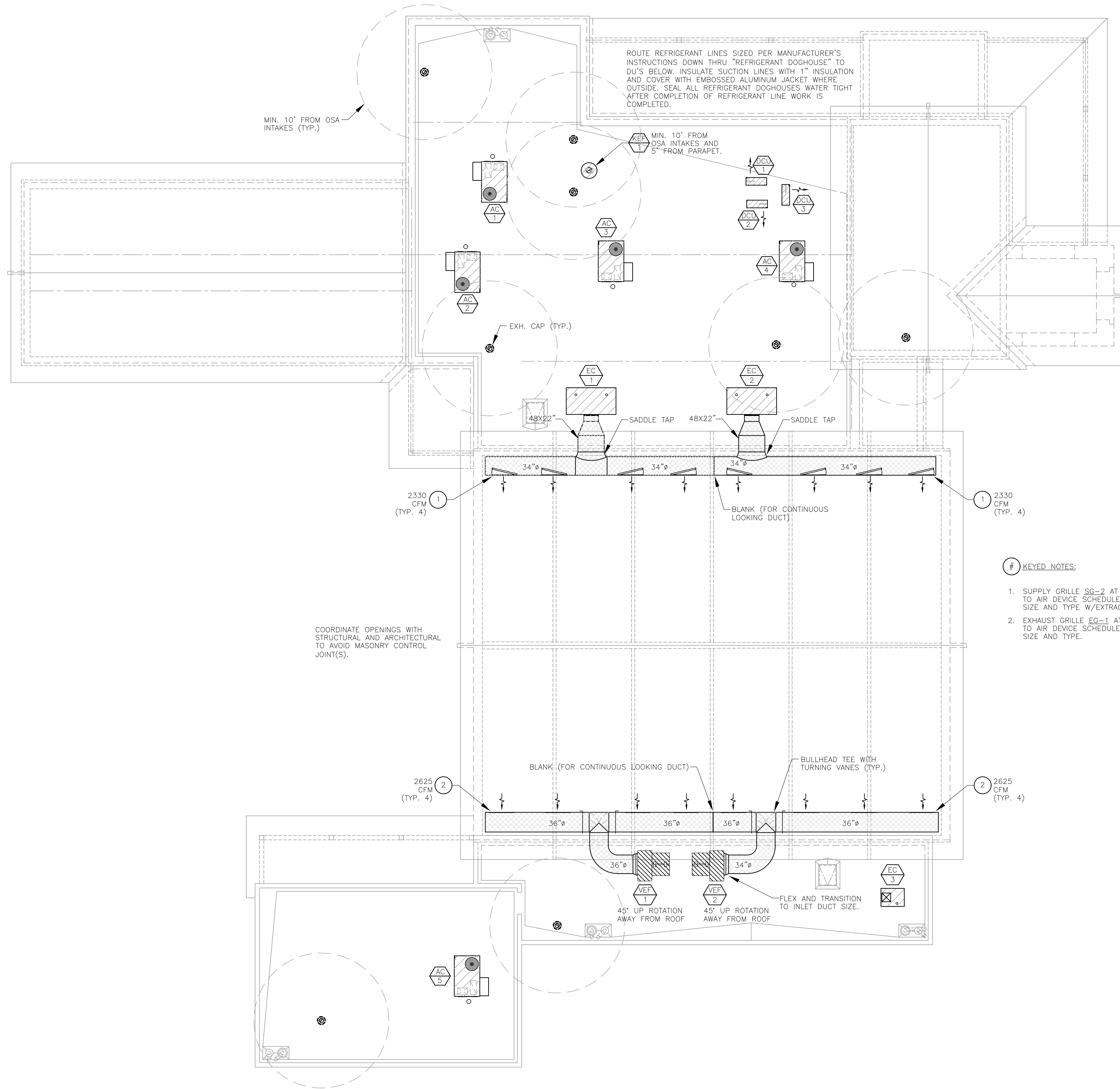
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MECHANICAL PLUMBING

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MECHANICAL FLOOR PLAN
M2.01



MIN. 10' FROM OSA INTAKES (TYP.)

ROUTE REFRIGERANT LINES SIZED PER MANUFACTURER'S INSTRUCTIONS DOWN THRU "REFRIGERANT DOGHOUSE" TO DUS BELOW. INSULATE SUCTION LINES WITH 1" INSULATION AND COVER WITH EMBOSSED ALUMINUM JACKET WHERE OUTSIDE. SEAL ALL REFRIGERANT DOGHOUSES WATER TIGHT AFTER COMPLETION OF REFRIGERANT LINE WORK IS COMPLETED.

MIN. 10' FROM OSA INTAKES AND 5" FROM PARAPET.

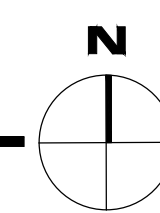
COORDINATE OPENINGS WITH STRUCTURAL AND ARCHITECTURAL TO AVOID MASONRY CONTROL JOINT(S).

KEYED NOTES:

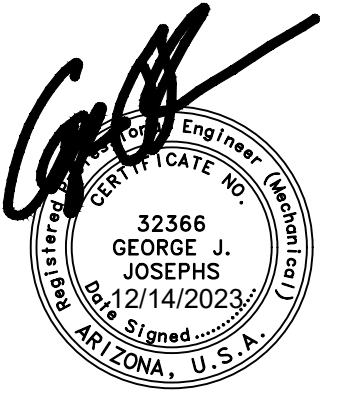
- SUPPLY GRILLE SG-2 AT CFM SHOWN. REFER TO AIR DEVICE SCHEDULE AND NECK SIZING CHART FOR SIZE AND TYPE W/EXTRACTOR-DAMPER.
- EXHAUST GRILLE EG-1 AT CFM SHOWN. REFER TO AIR DEVICE SCHEDULE AND NECK SIZING CHART FOR SIZE AND TYPE.

1 MECHANICAL ROOF PLAN

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



Revisions	Date
1 CITY COMMENTS	3/10/24



Designed By:
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Drawn By:
CR / PN

Checked By:
GJJ

Date:
12/14/2023

Phase:
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Title:
FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
Index No: FD57100020-3



KIVA # 23-1810
SDEV # 2300473

MECHANICAL ROOF PLAN
M3.01

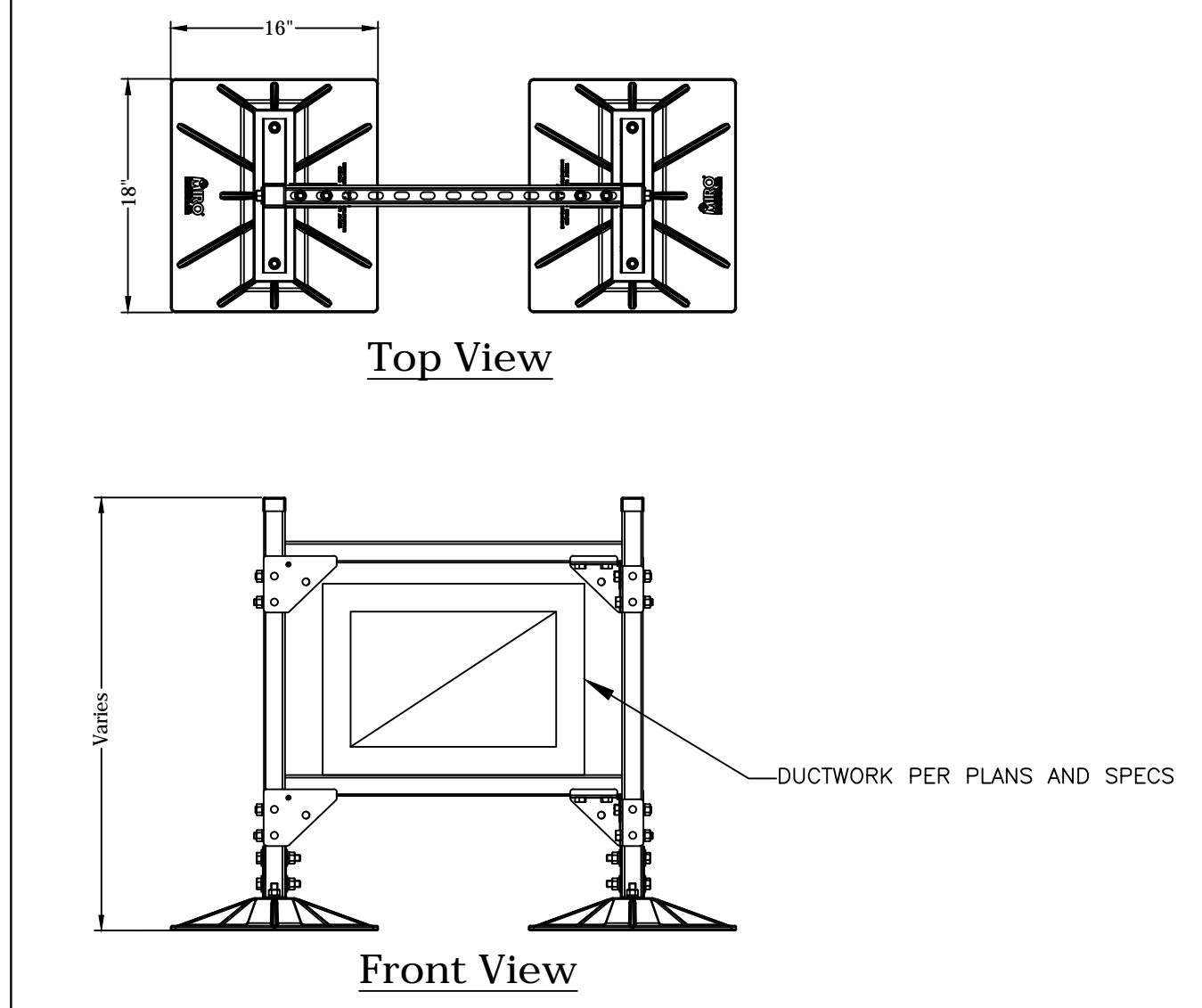
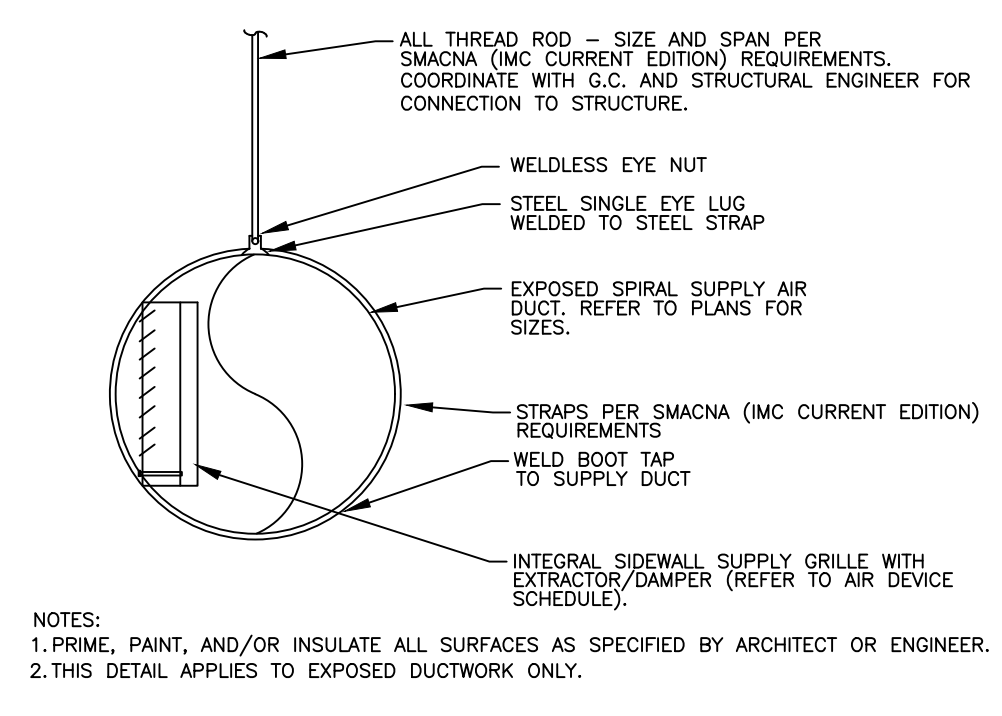
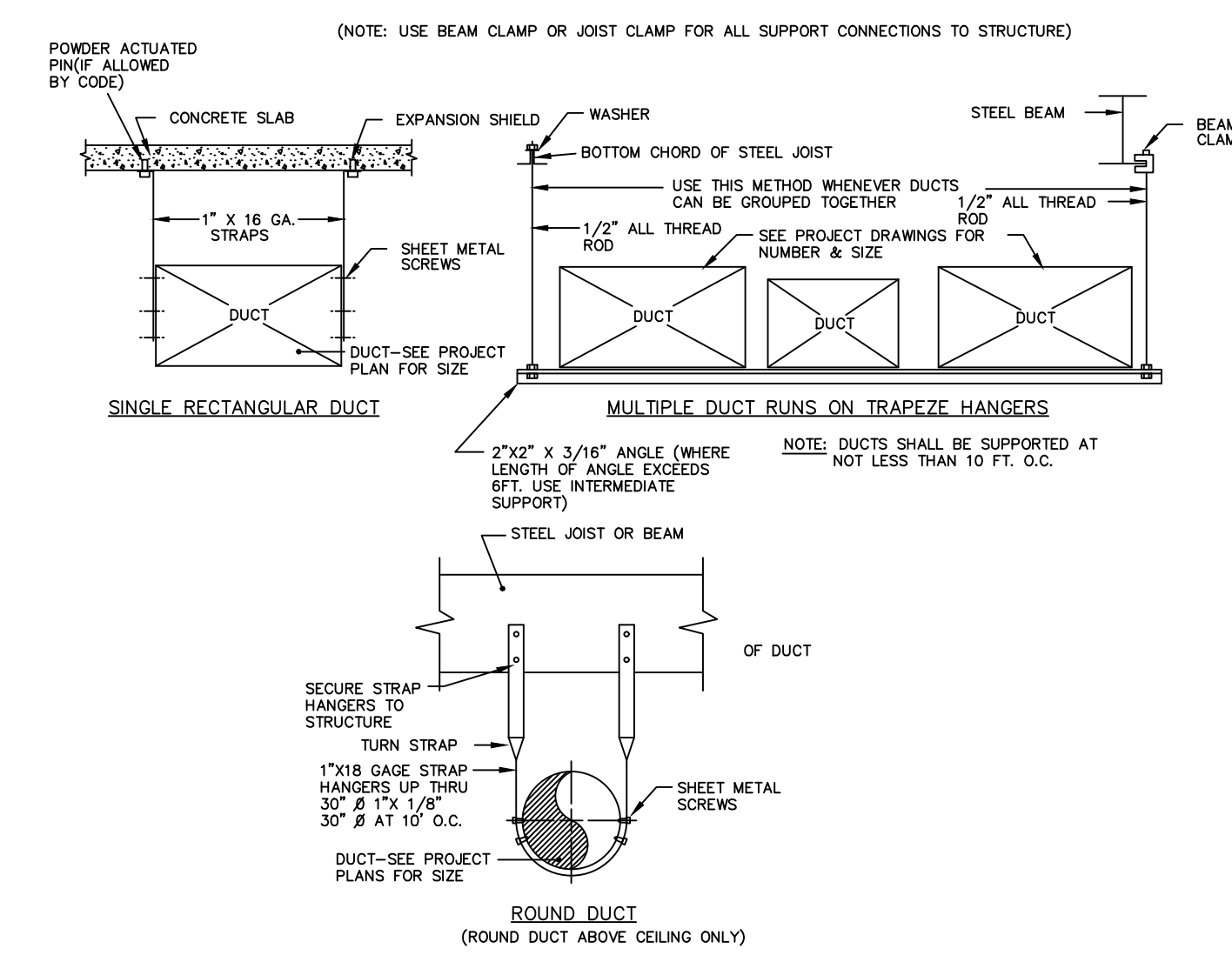
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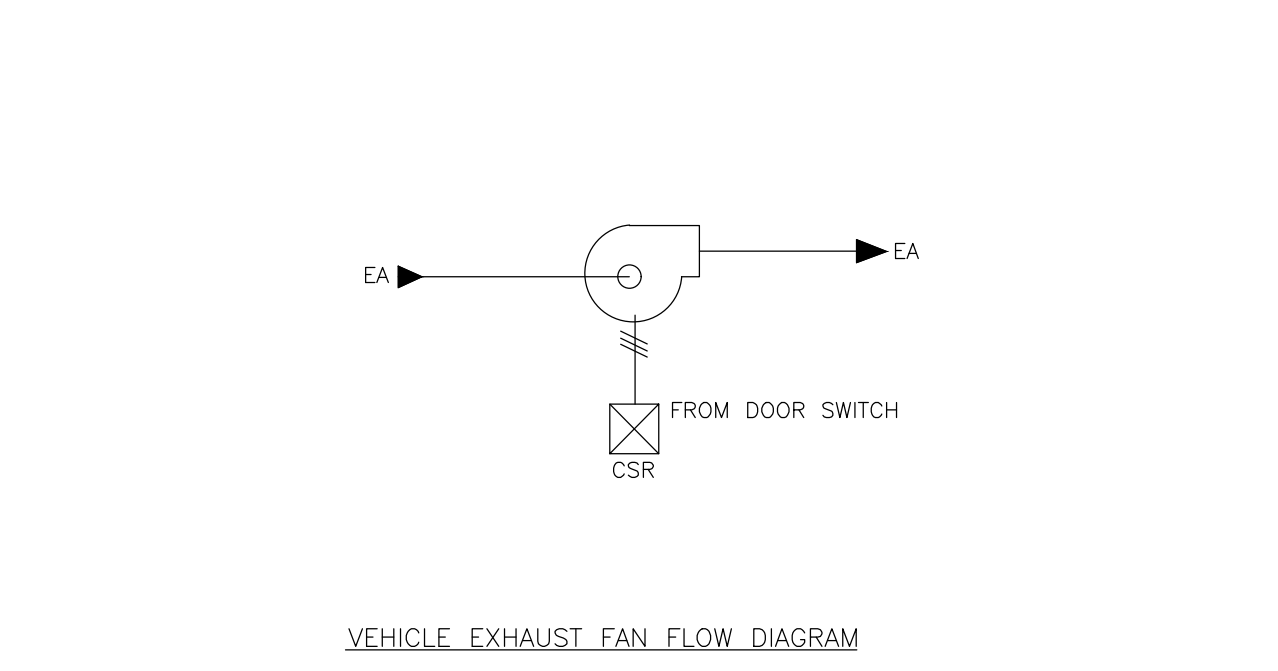
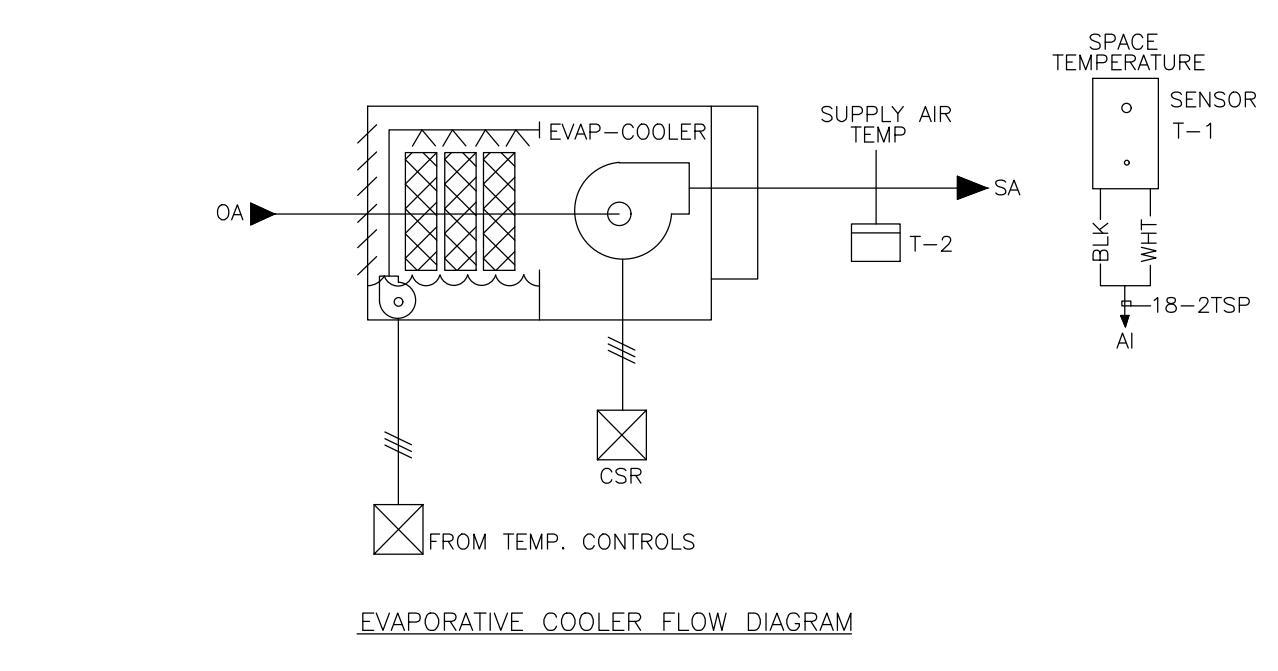
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CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

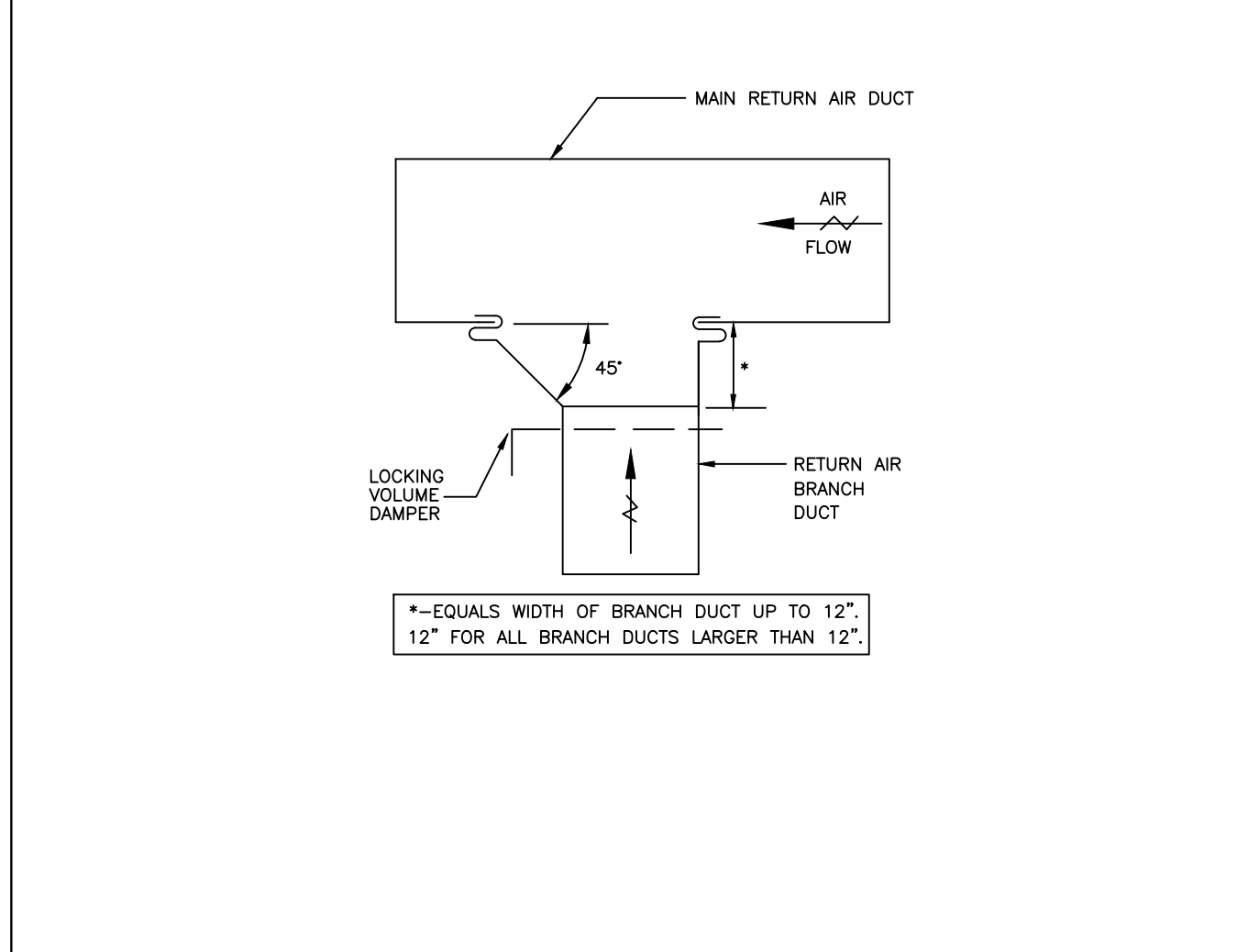
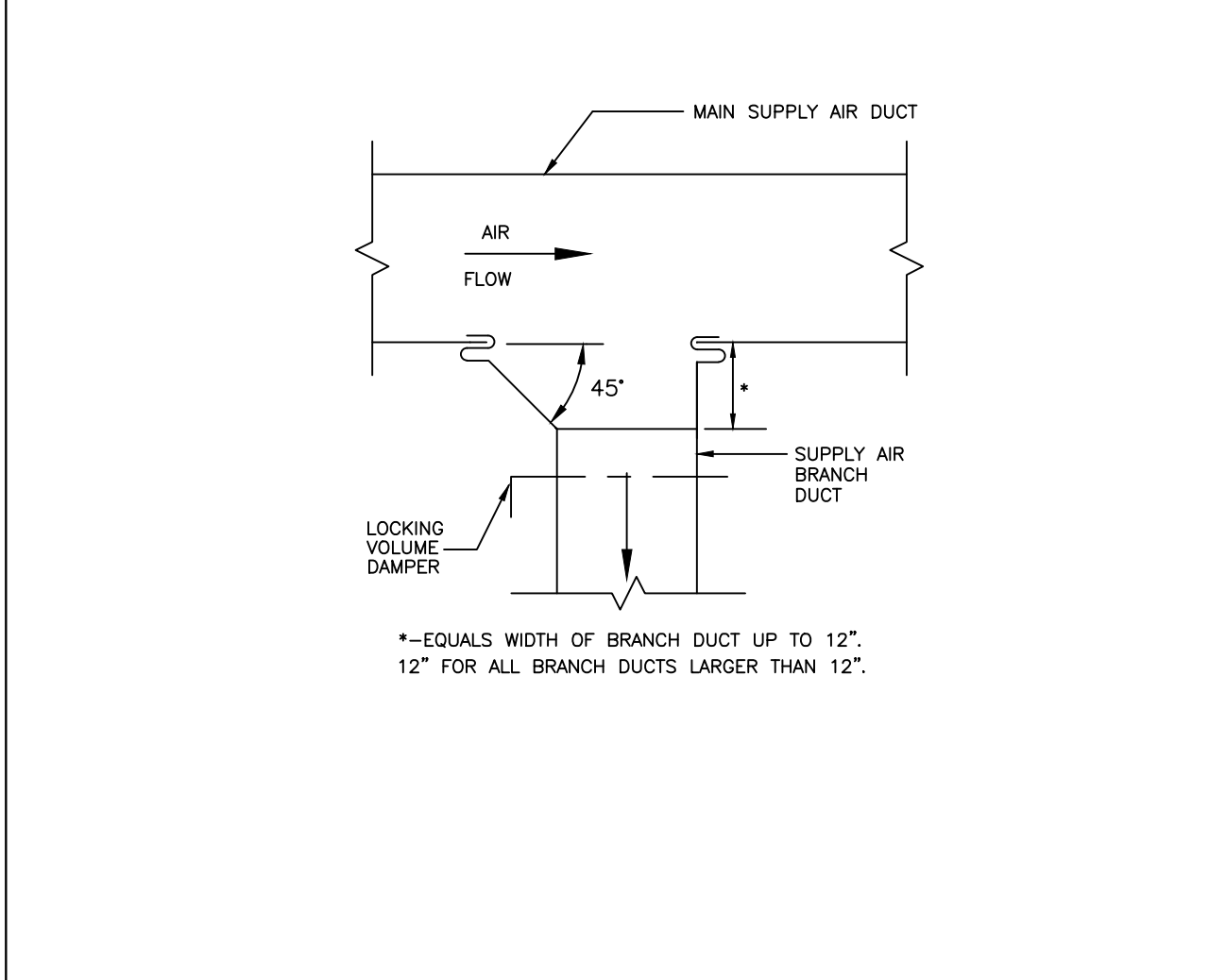


1 SCALE NTS HANGER AND SUPPORT FOR LOW PRESSURE DUCTWORK UP THRU 2" WG

2 SCALE NTS DUCT SUPPORT ON ROOF DETAIL



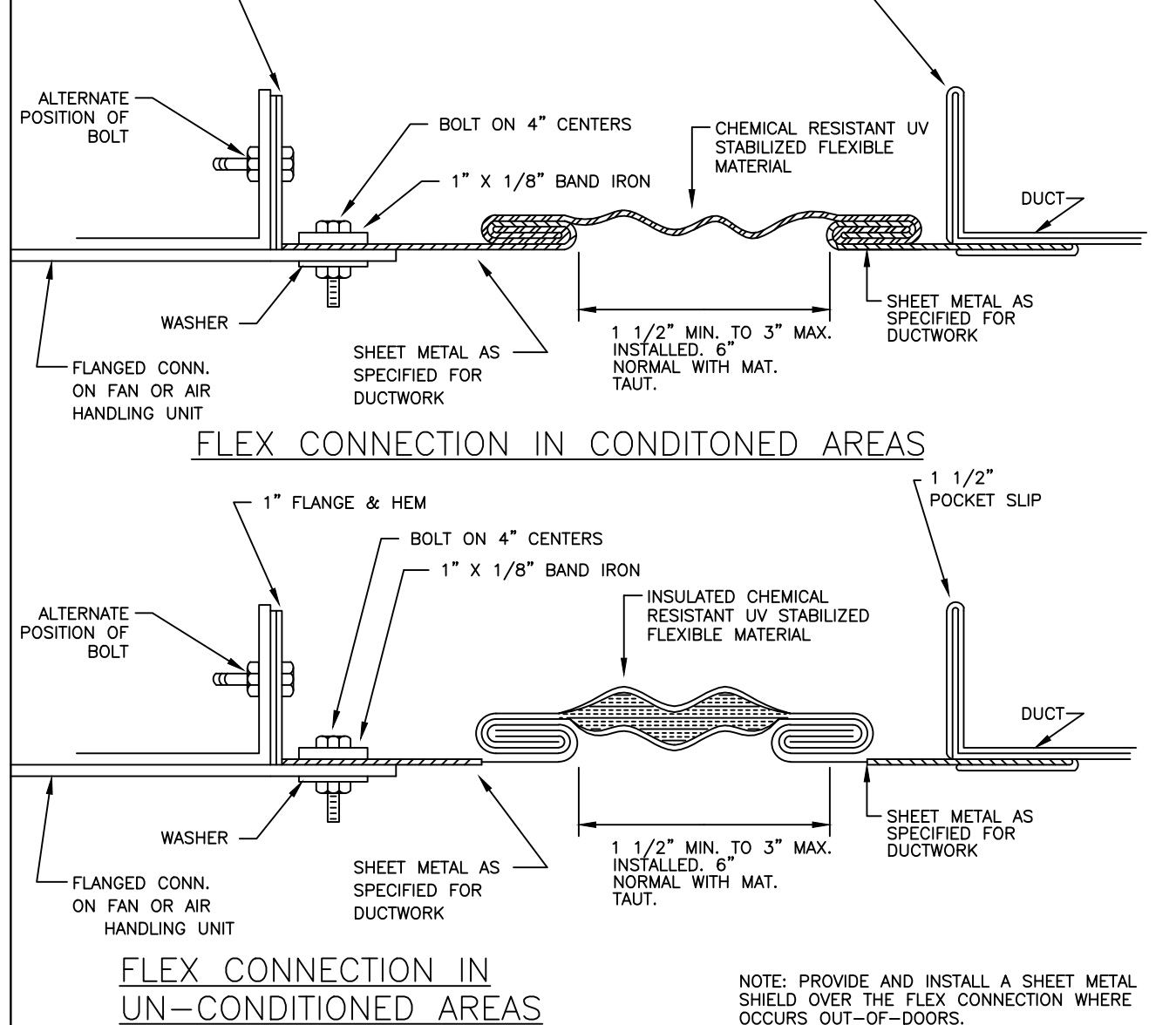
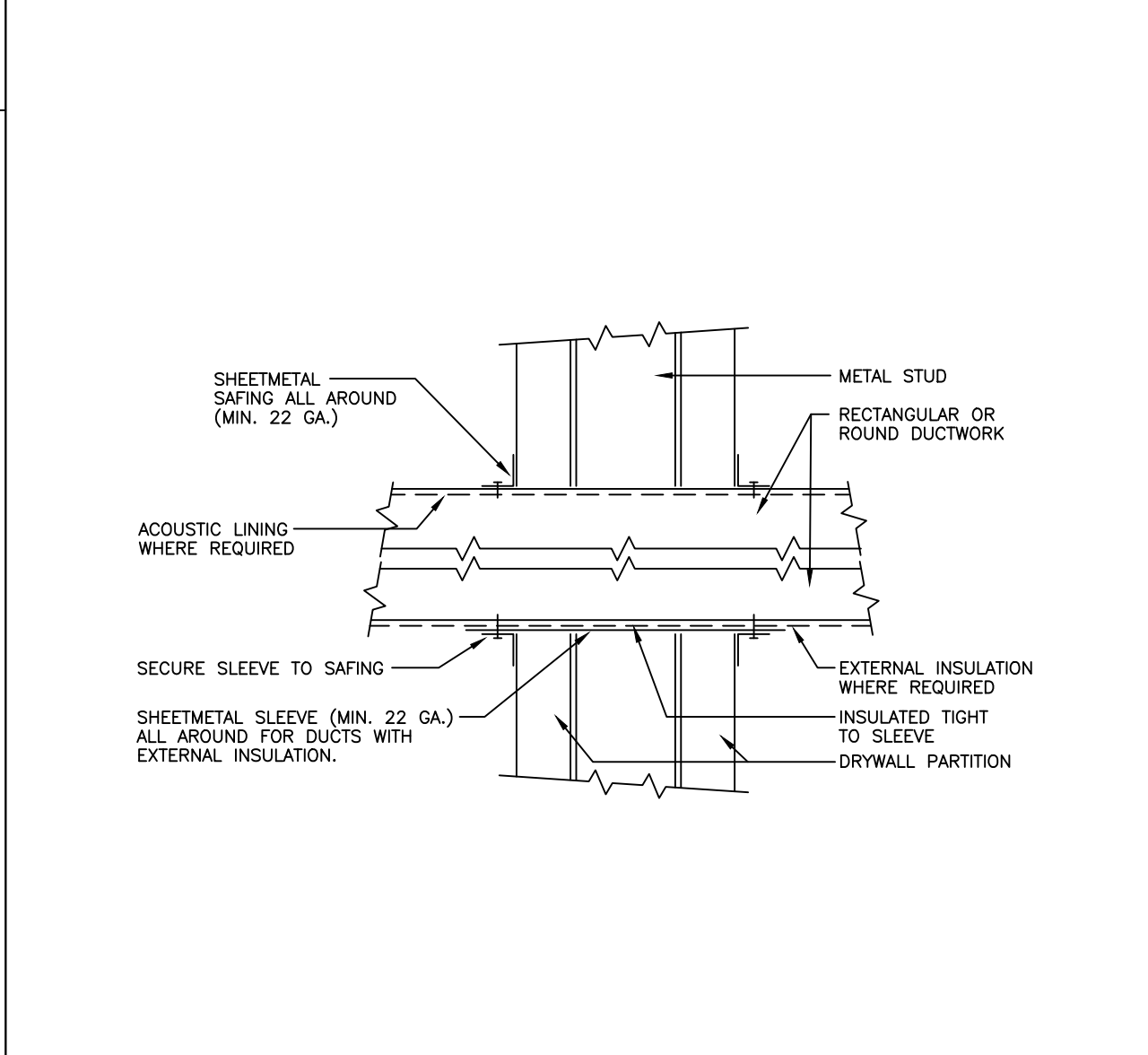
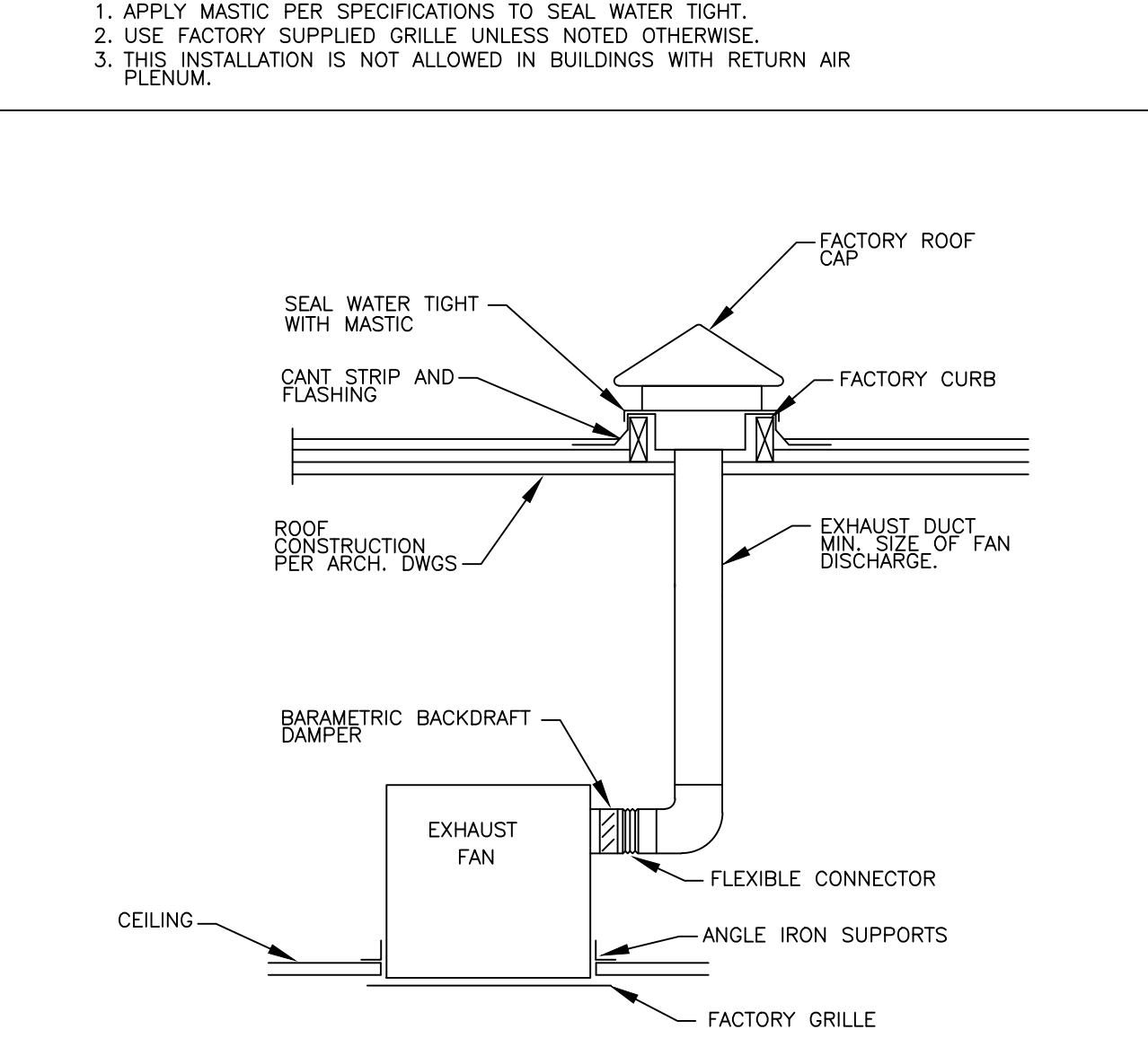
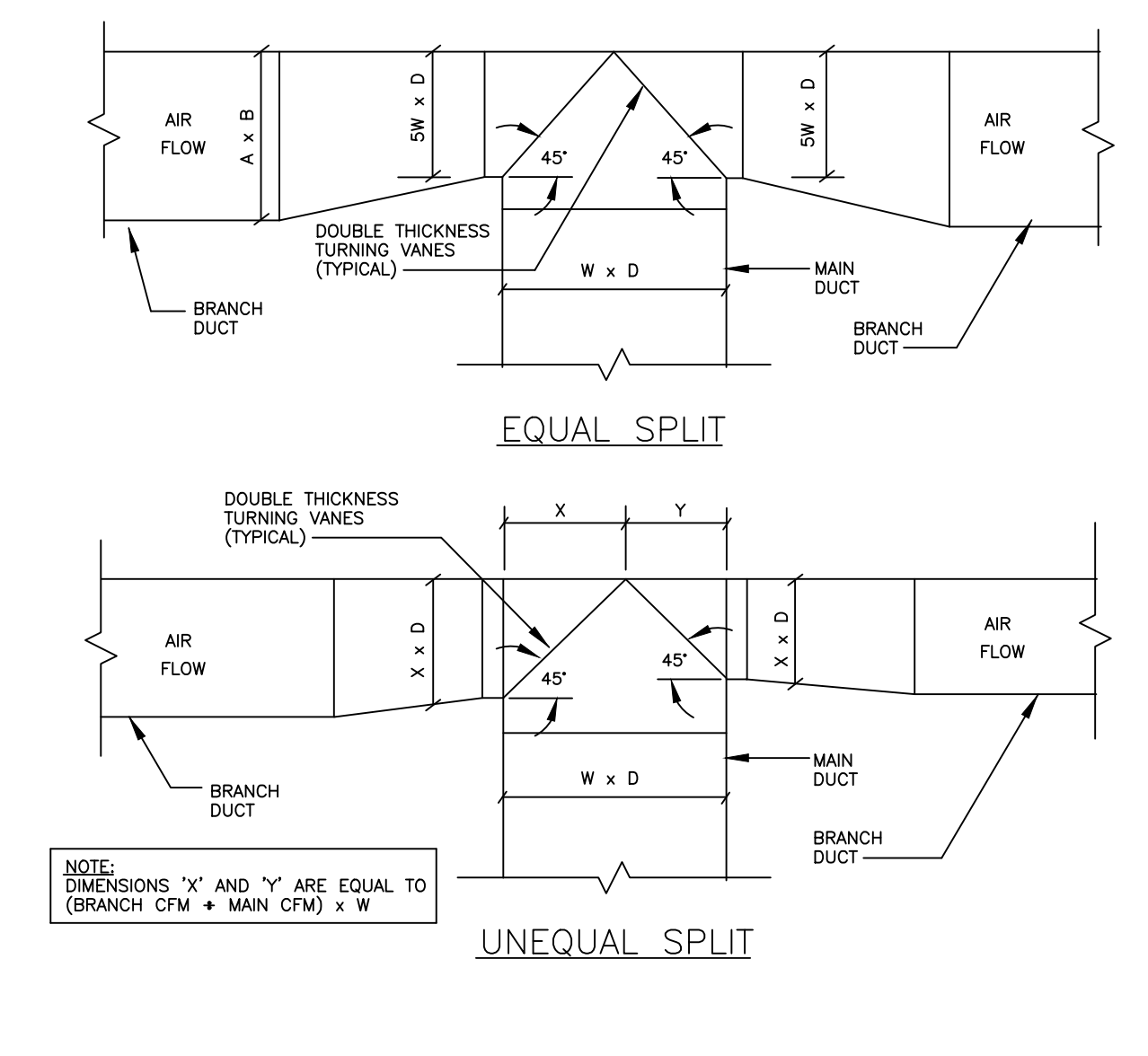
SEQUENCE OF OPERATION: VEF-1&2 SHALL BE INTERLOCKED WITH EC-1&2 SO THAT THE FOLLOWING SEQUENCE OF OPERATION IS PROVIDED: VEF-1&2 SHALL OPERATE FOR 5 MINUTES AFTER ACTIVATION FROM DOOR SENSOR. EC-1&2 SHALL OPERATE BASED ON DEMAND FROM THERMOSTATIC CONTROLS OR MANUAL OVERRIDE. COOLING SHALL BE PER ON-AUTO CONTROL SWITCH. WHEN EC-1&2 IS IN OPERATION, VEF-1&2 SHALL OPERATE (FOR POWER RELIEF). WHEN VEF-1&2 OPERATES, EC-1&2 SHALL OPERATE (FOR MAKEUP AIR). IF DOOR REMAINS OPEN, VEF-1&2 MAY BE TURNED OFF AFTER 5 MINUTES REGARDLESS OF EC OPERATION (FOR ENERGY SAVINGS). THE SYSTEM SHALL BE ACTIVATED BY INTERCONNECTION TO THE APPARATUS BAY DOOR OPERATORS TO COMMUNICATE AND INTERLOCK THIS SEQUENCE WITH THE CLIMATEC CONTROL SYSTEM.



3 SCALE NTS APPARATUS BAY CONTROL DIAGRAM

4 SCALE NTS SUPPLY AIR BRANCH DUCT TAKE-OFF

5 SCALE NTS RETURN AIR BRANCH DUCT TAKE-OFF



6 SCALE NTS DUCT TEE CONNECTION DETAIL

7 SCALE NTS CEILING MOUNTED EXHAUST FAN

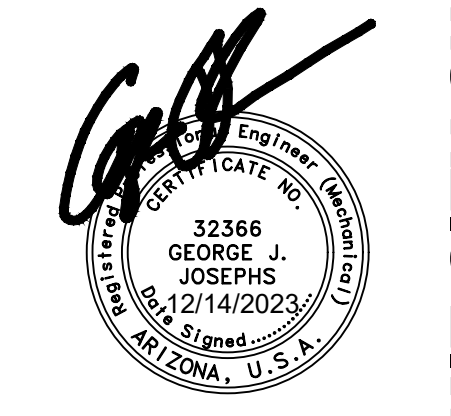
8 SCALE NTS DUCT PENETRATION THRU NON-FIRE RATED WALL

9 SCALE NTS DUCT FLEX CONNECTION DETAIL

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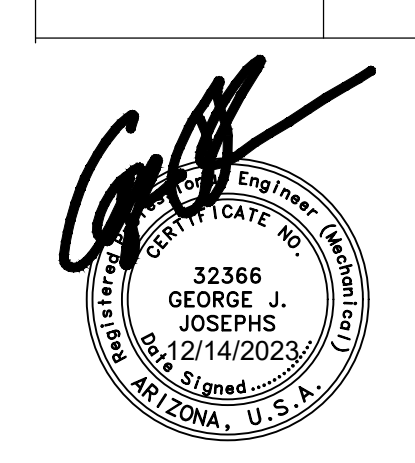
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 2929 North Central Avenue, Suite # 1000
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Title:
FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
 Index No:
FD57100020-3

CITY OF PHOENIX
 MECHANICAL DETAILS
M5.01
 KIVA # 23-1810
 SDEV # 2300473

CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

Revisions	Date
1 CITY COMMENTS	3/10/24



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12/14/2023

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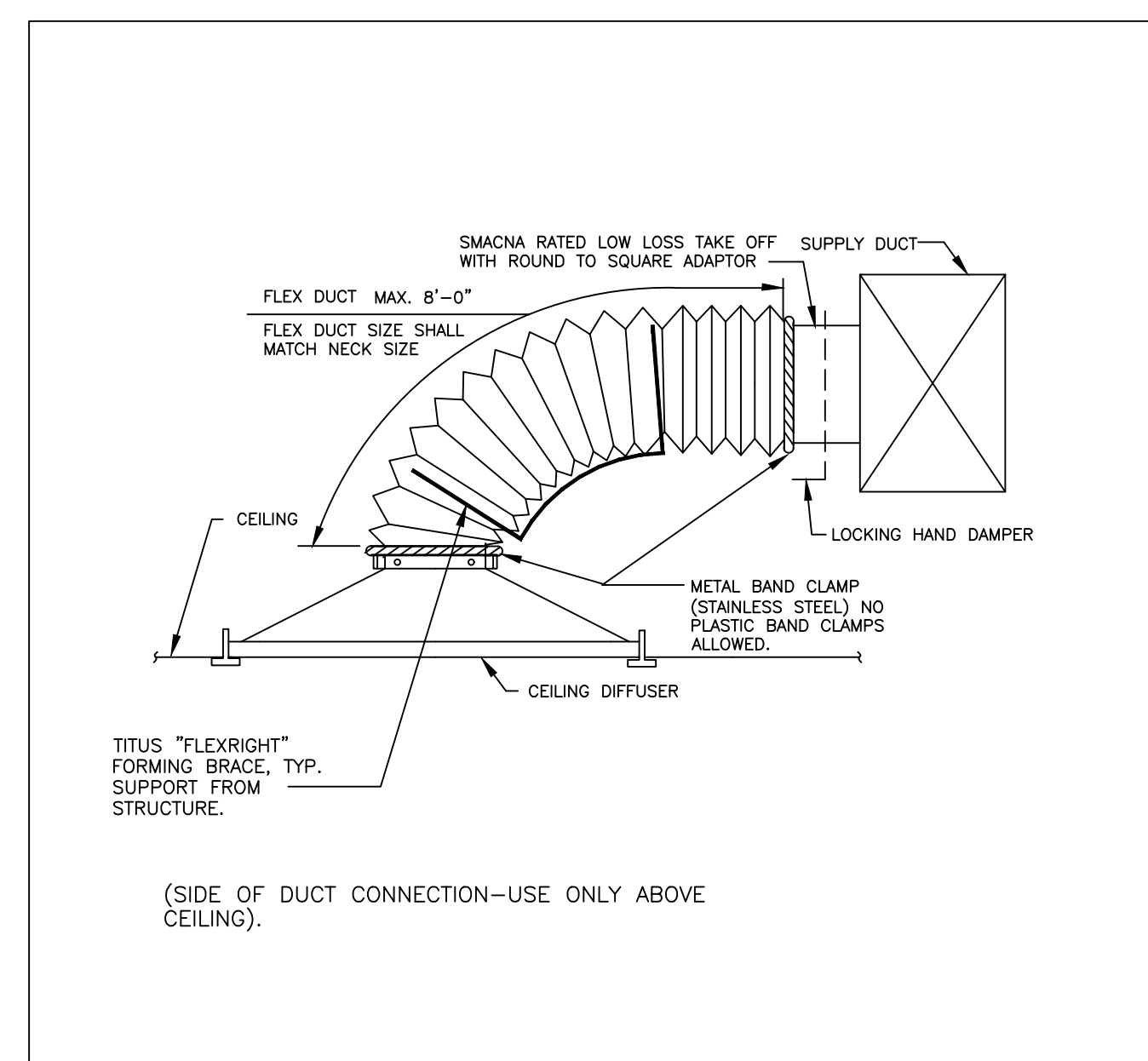
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1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
Index No: **FD57100020-3**

CITY OF PHOENIX

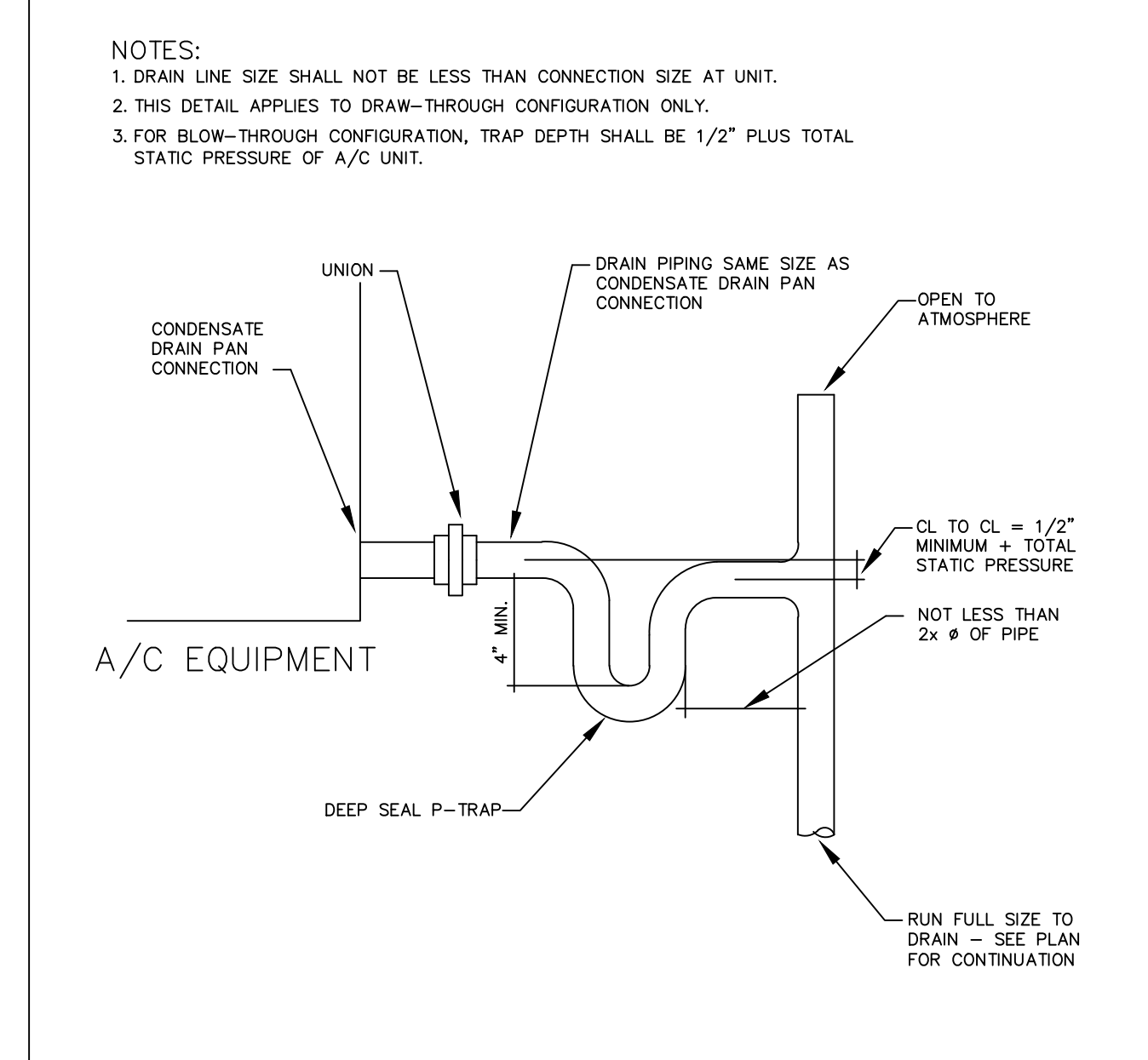
KIVA # 23-1810
SDEV # 2300473

MECHANICAL
DETAILS
M5.02

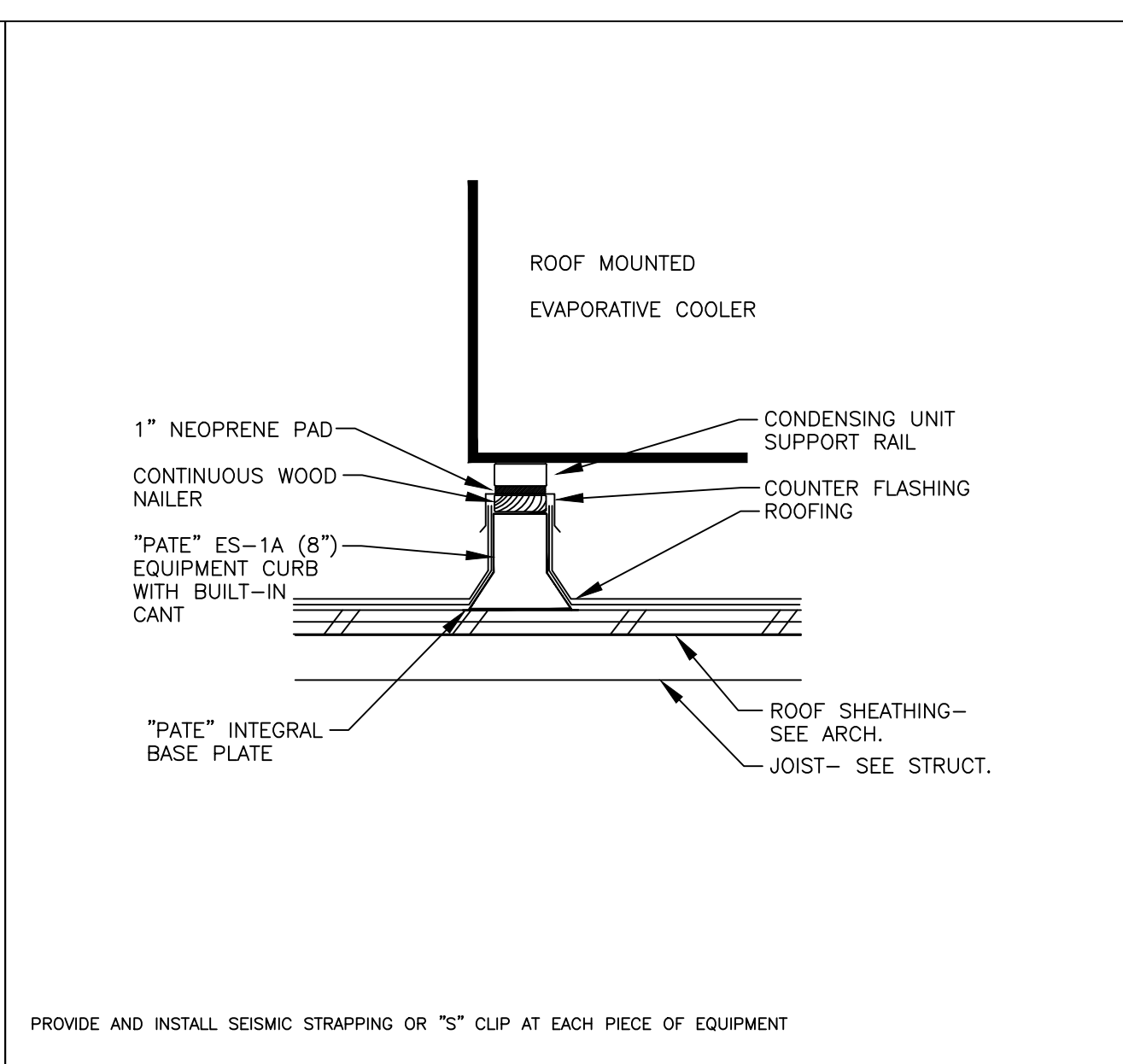
CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL



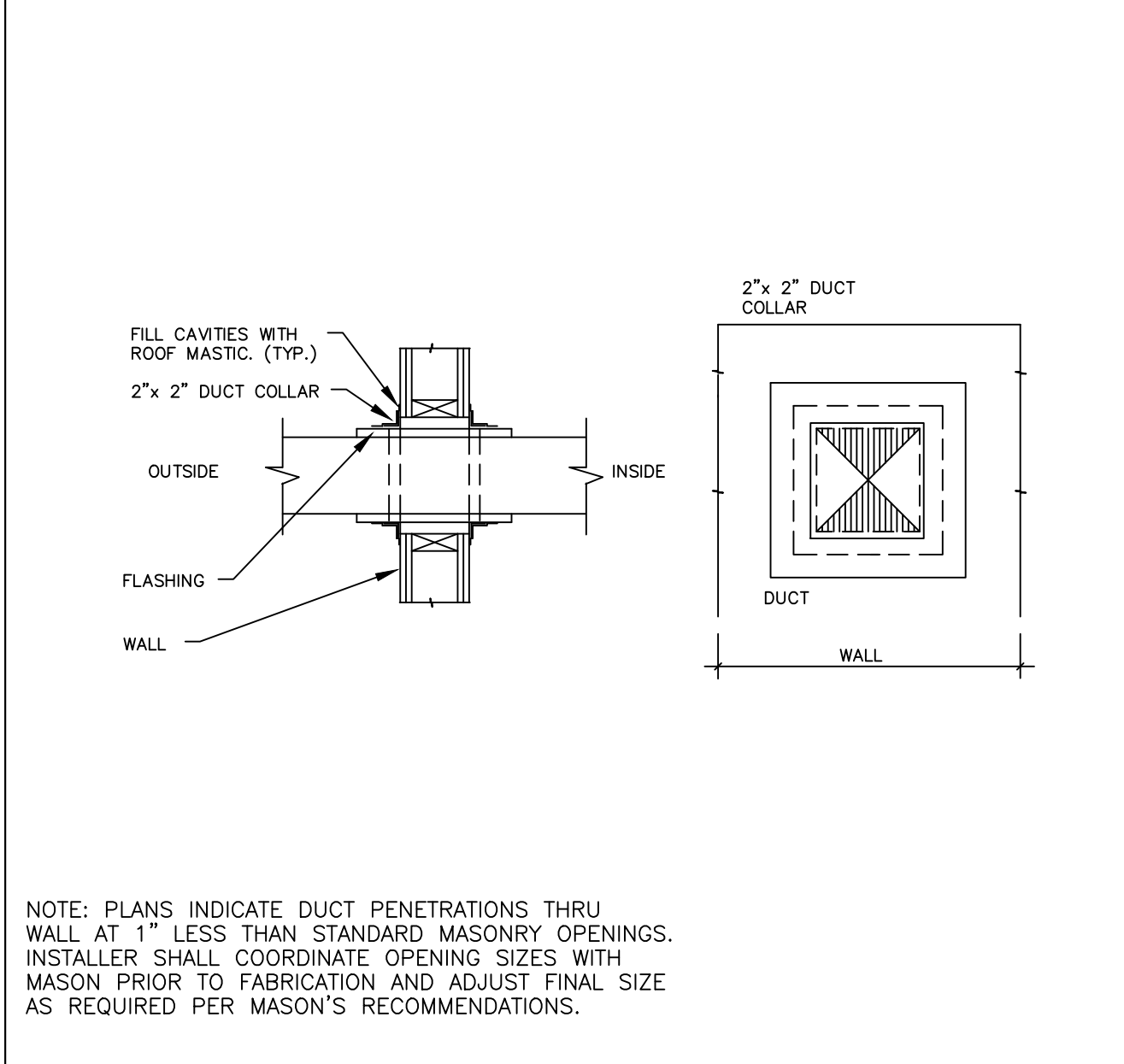
1 SCALE NTS TYPICAL DIFFUSER CONNECTION



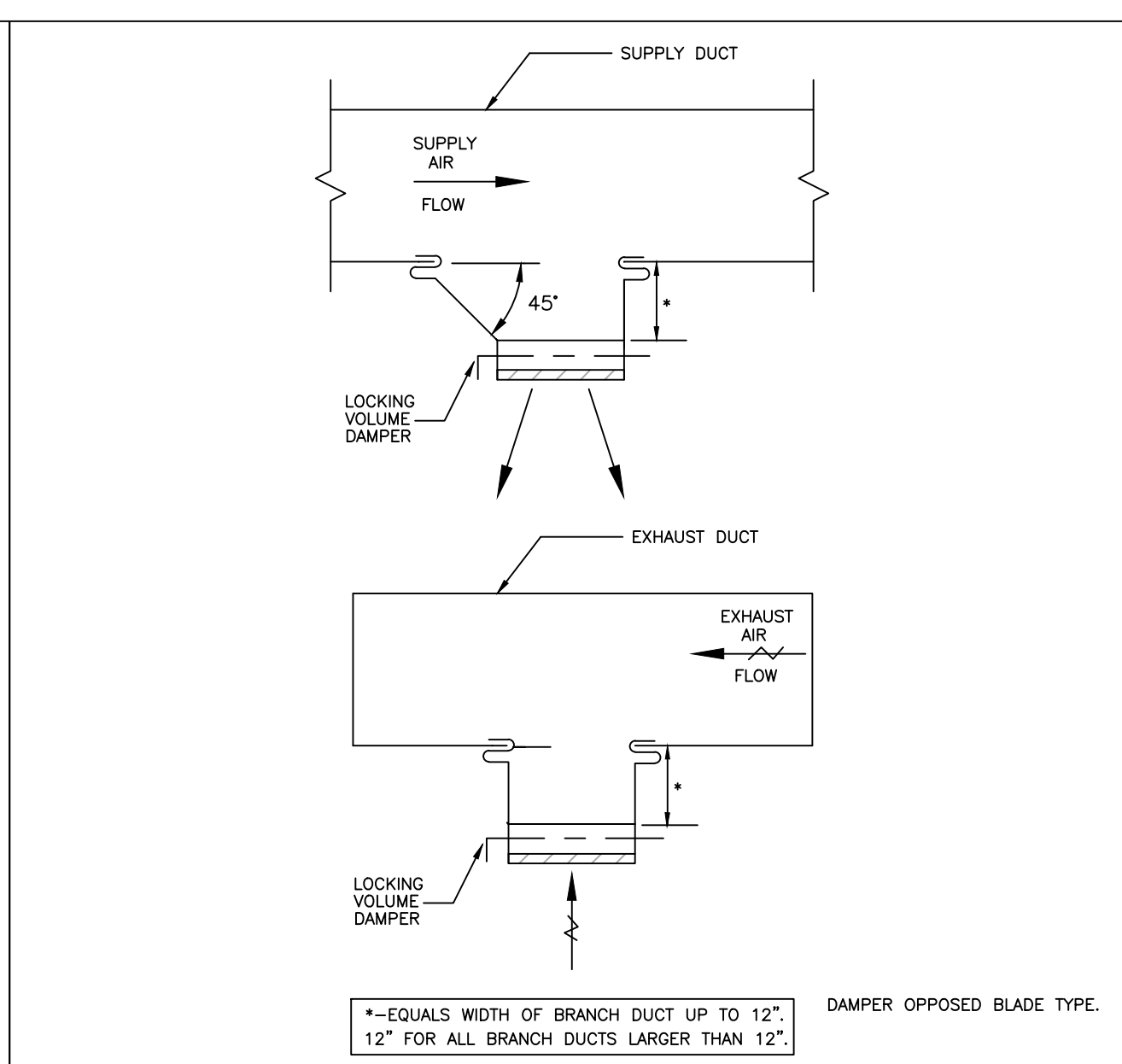
5 SCALE NTS CONDENSATE DRAIN DETAIL



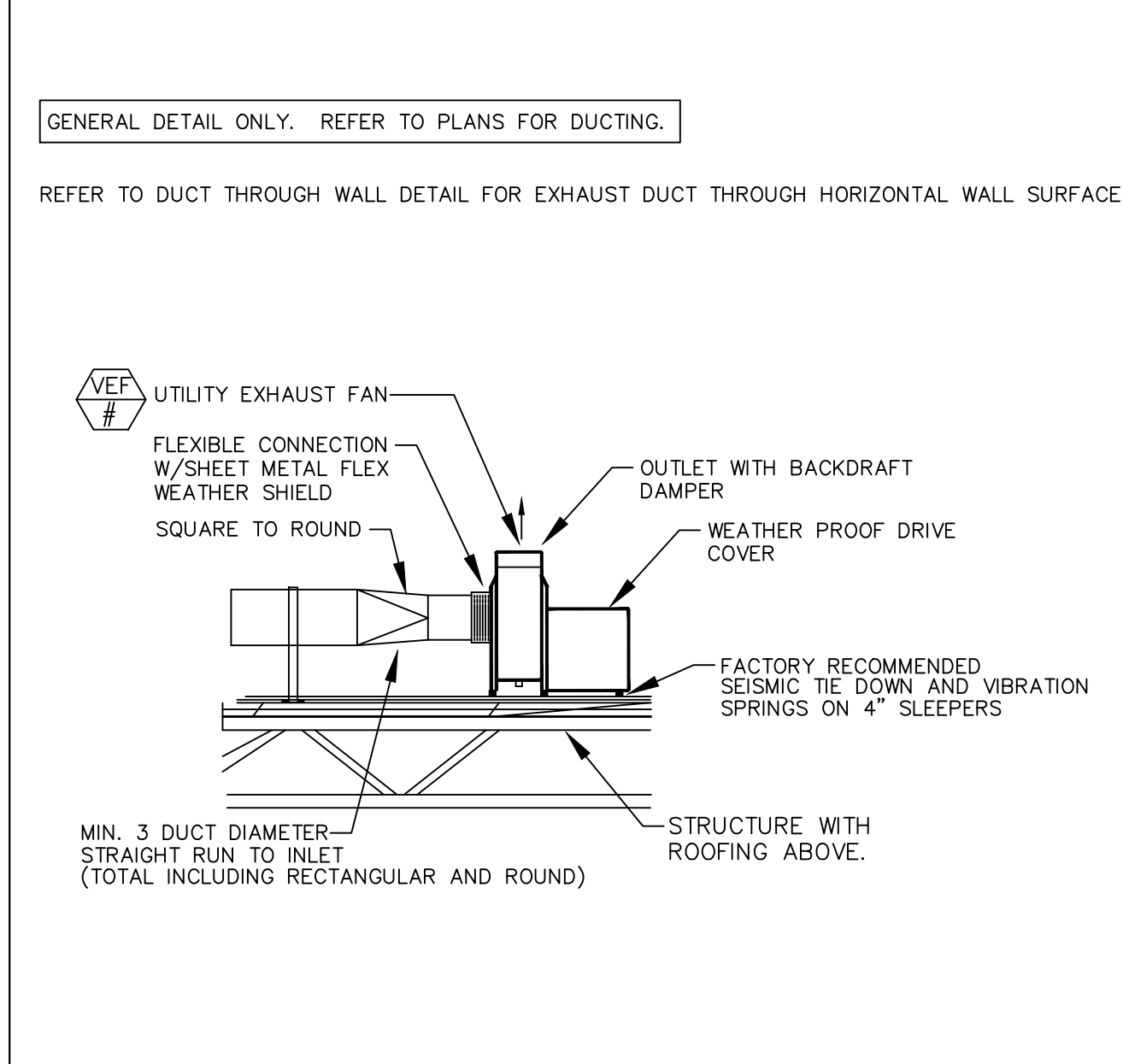
2 SCALE NTS EVAP. COOLER SUPPORT



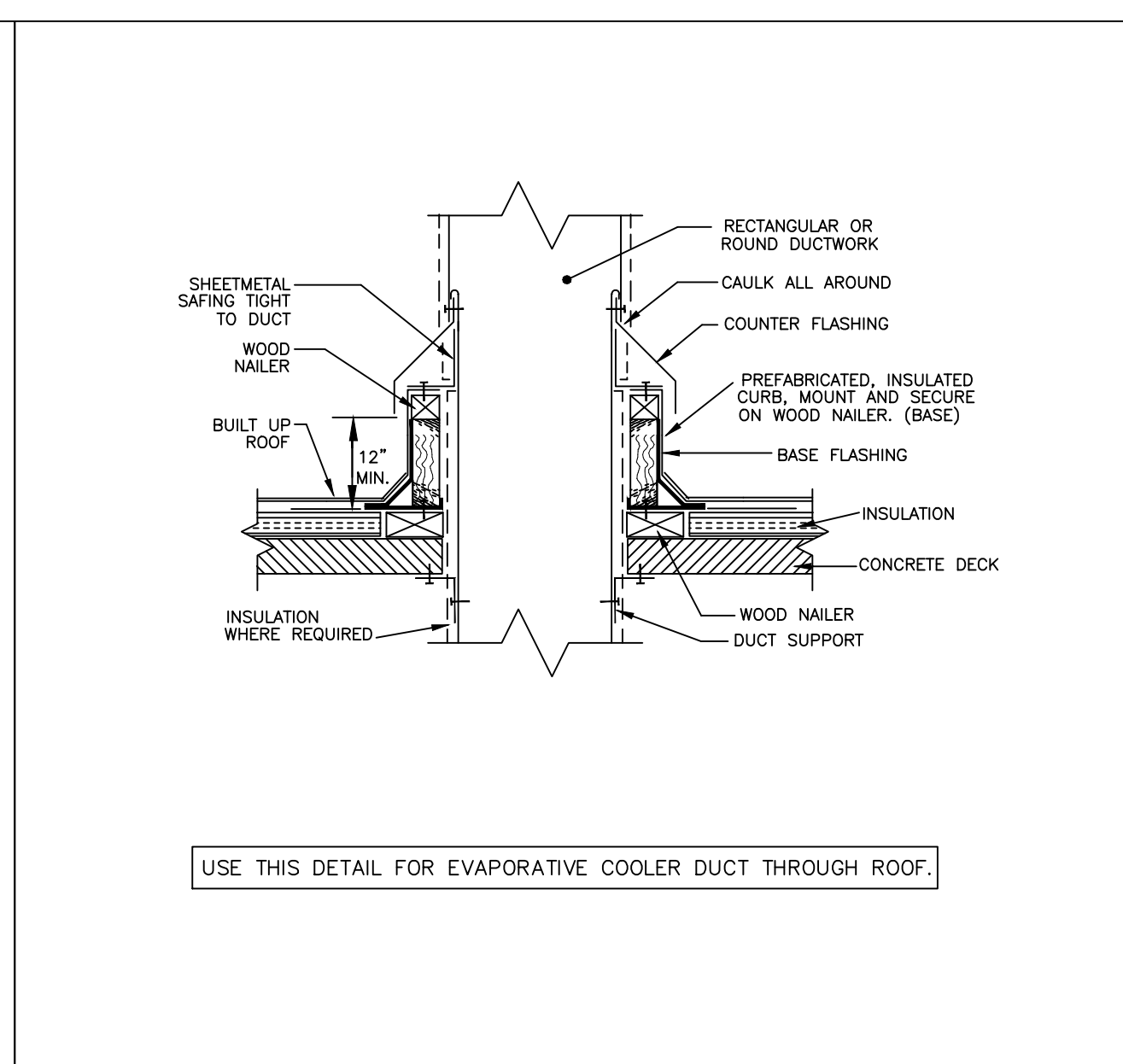
6 SCALE NTS DUCT THROUGH WALL



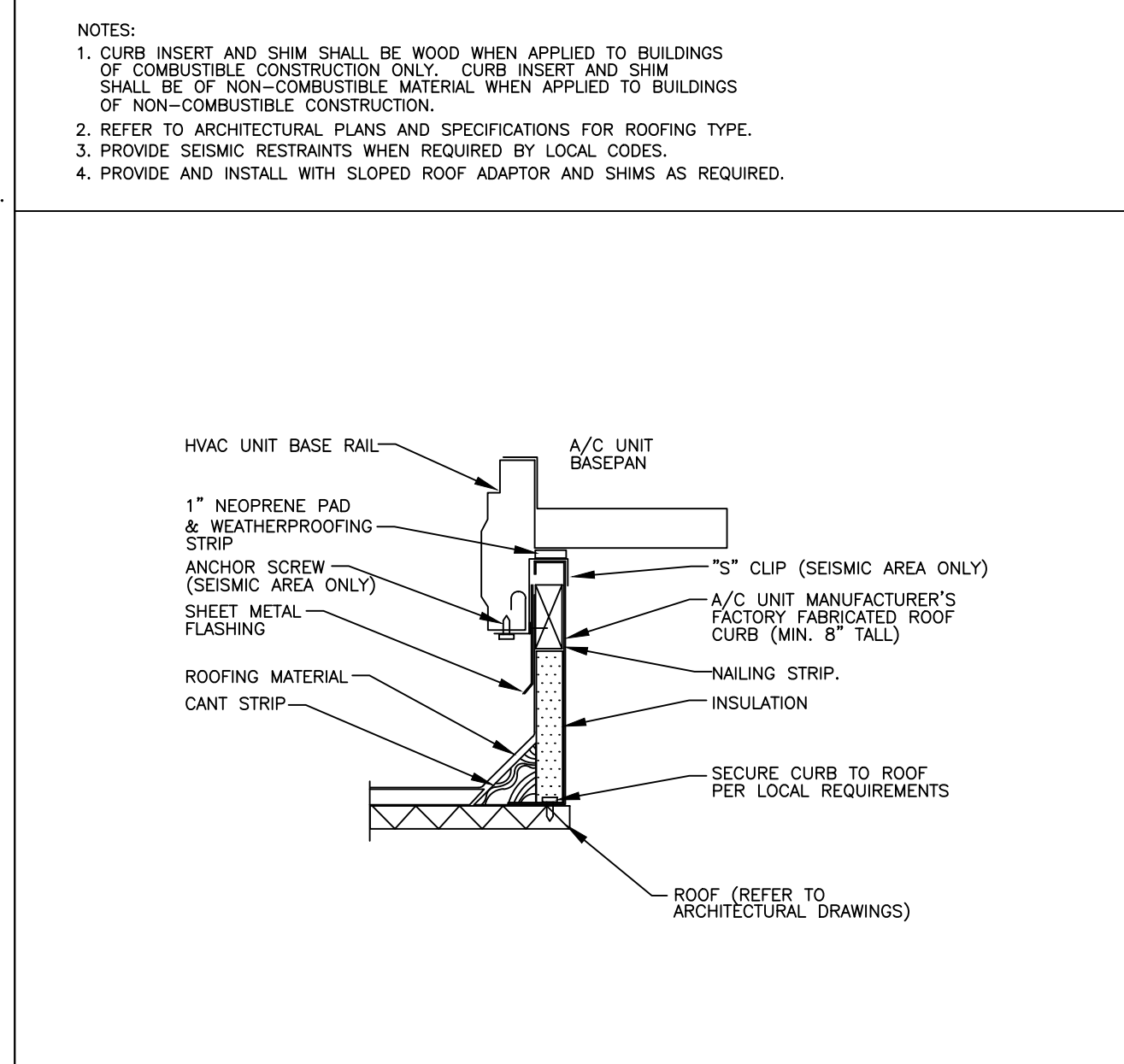
3 SCALE NTS TYPICAL DUCT MOUNTED REGISTER



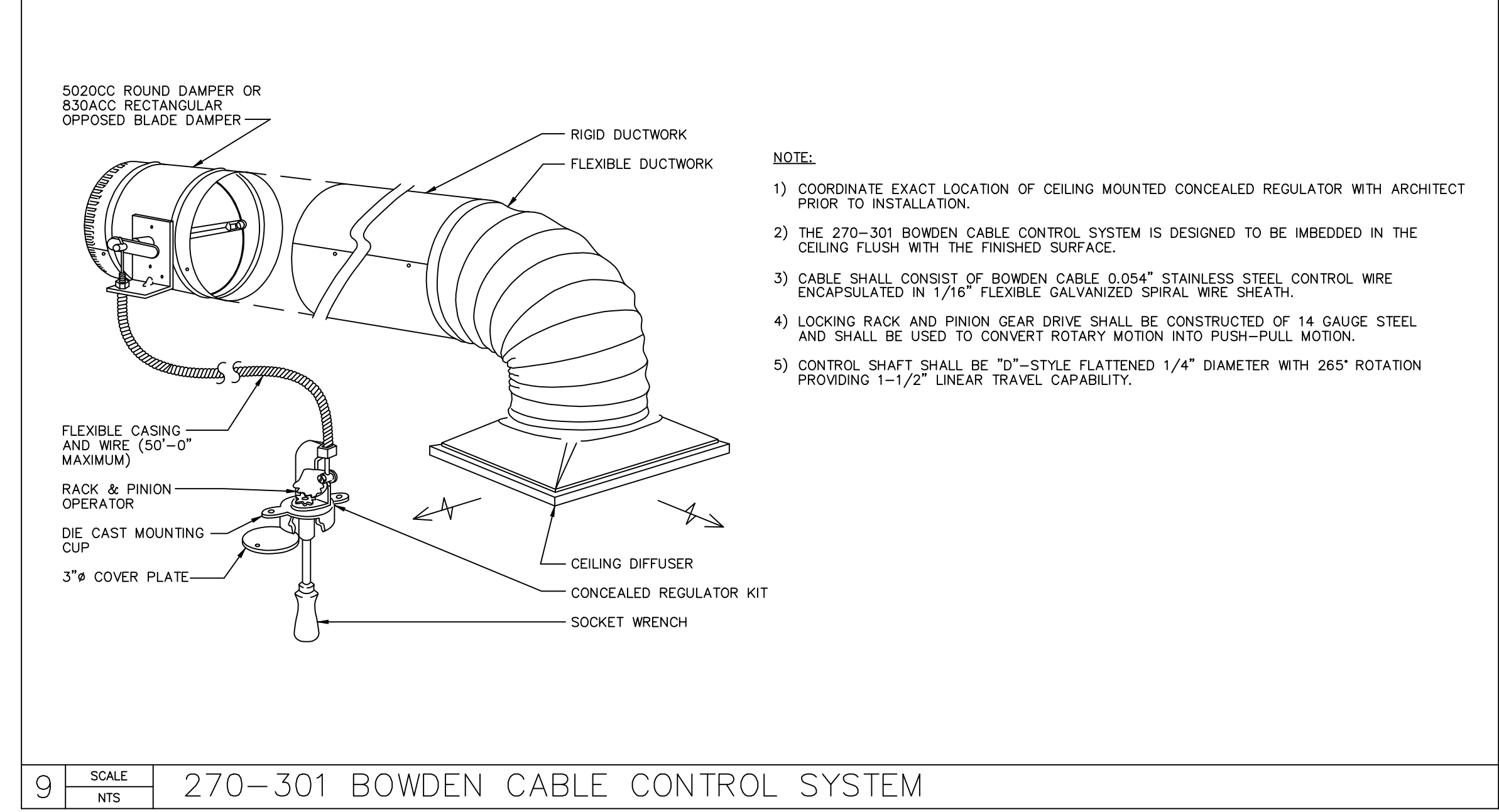
7 SCALE NTS APPARATUS BAY EXHAUST FAN DETAIL



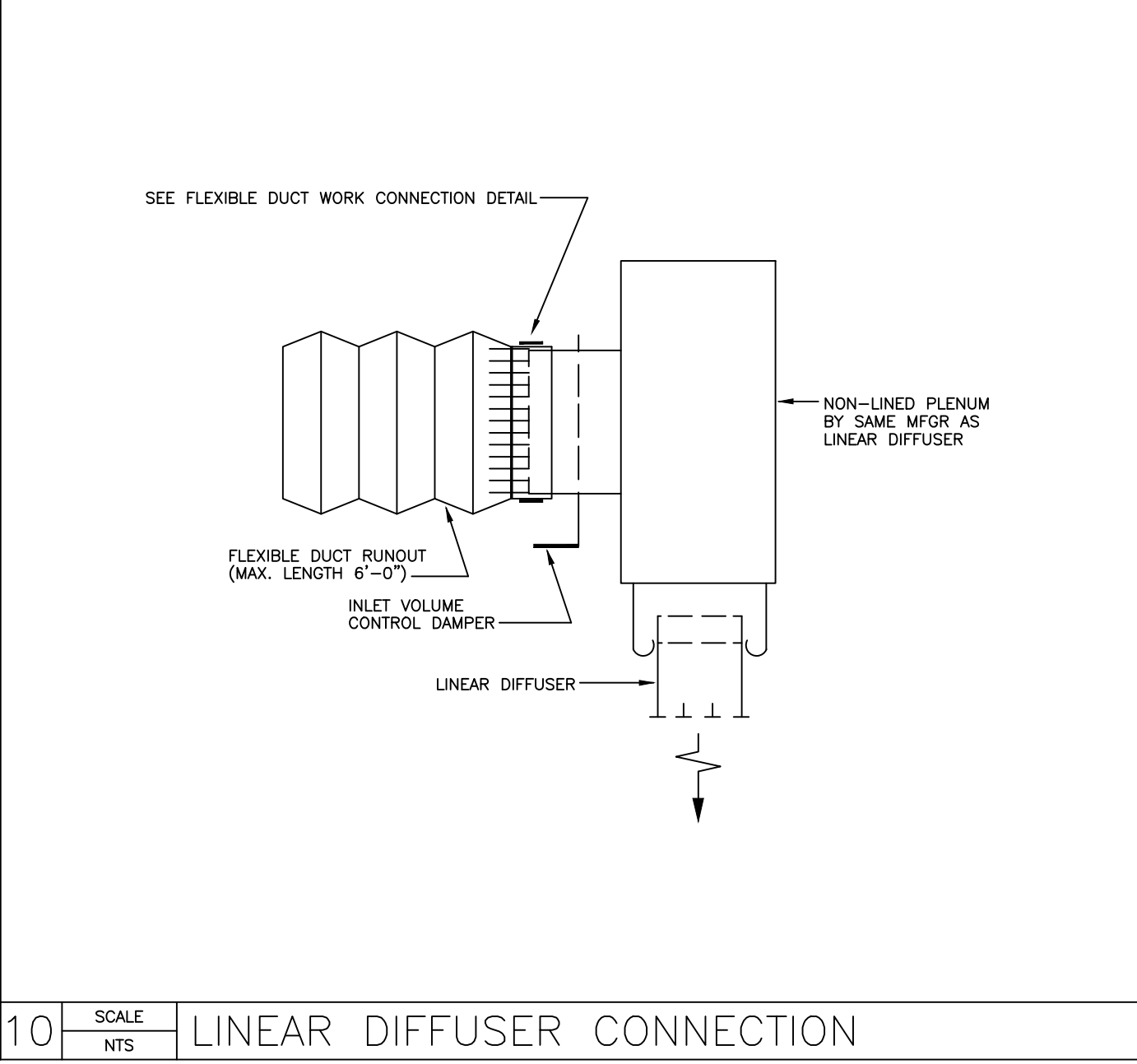
4 SCALE NTS DUCT THRU ROOF



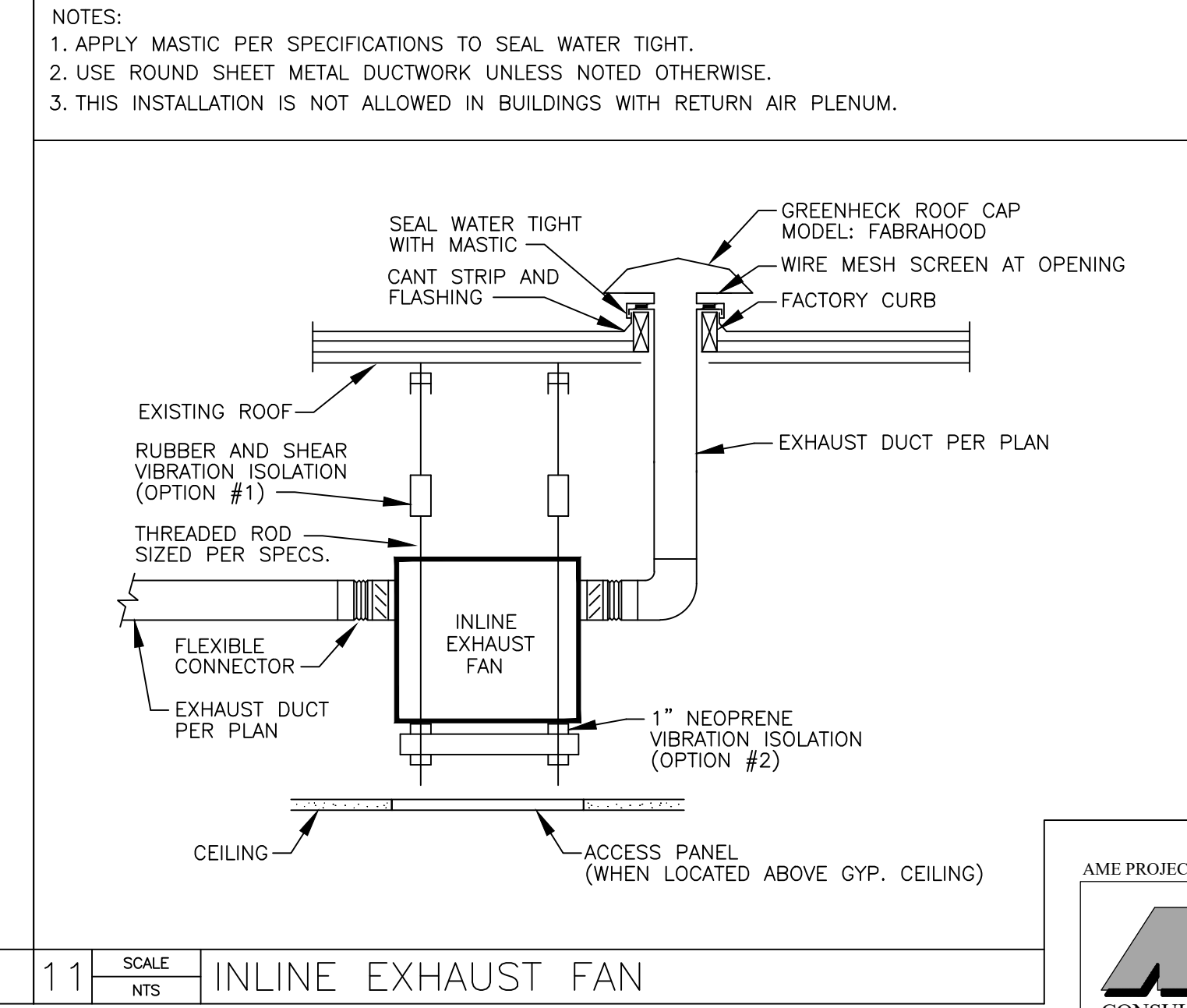
8 SCALE NTS EQUIPMENT MOUNTING CURB DETAIL



9 SCALE NTS 270-301 BOWDEN CABLE CONTROL SYSTEM



10 SCALE NTS LINEAR DIFFUSER CONNECTION



11 SCALE NTS INLINE EXHAUST FAN

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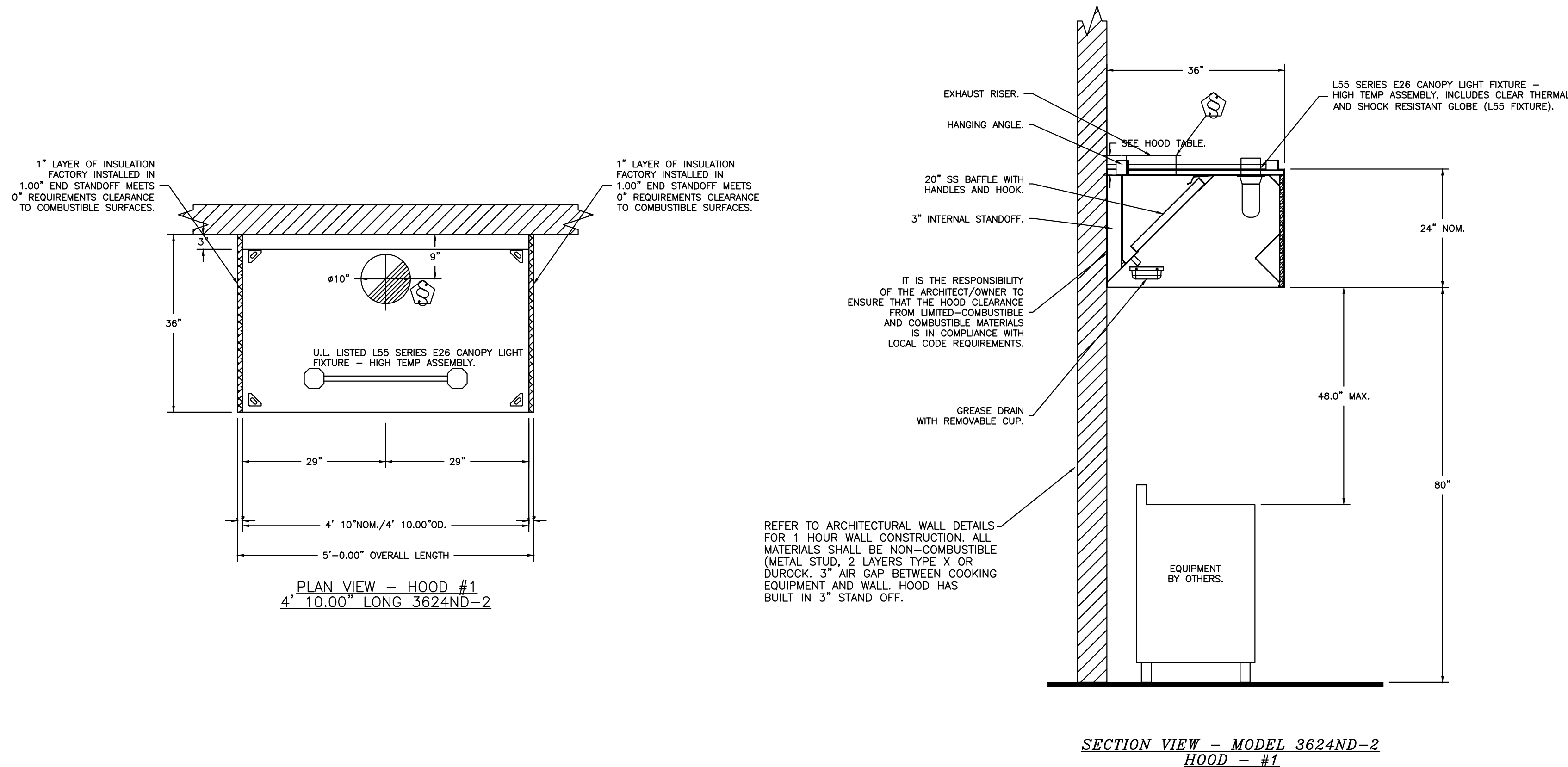
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MECHANICAL AIR BALANCE	
TOTAL HOOD EXHAUST	725 CFM
TOTAL HOOD MUA	0 CFM
TOTAL DIFFUSER MUA	0 CFM
REMAINDER FROM HVAC	725 CFM

NOTE: AC-3&4 PROVIDE MAKEUP.

PROVIDE RELAY INTERLOCK WITH AC 3&4 WHEN KEF IS ON, AC 3&4 FAN SHALL BE ON.



NOTE:
MINIMUM DUCT VELOCITY WITHIN DUCT SYSTEM SHALL NOT BE LESS THAN 500 FEET PER MINUTE (MC 506.3.4).

NOTE:
PROVIDE PERFORMANCE TEST RESULTS OF KITCHEN HOOD EXHAUST AIR AFTER INSTALLATION TO ARCHITECT OR ENGINEER AND CITY OF PHOENIX BUILDING INSPECTOR (SEC. 507.6).

NOTE:
- DUCT JOINTS TO COMPLY WITH IMC 506.3.2.1.
- DUCT TO HOOD JOINTS TO COMPLY WITH IMC 506.3.2.2.
- DUCT-TO-EXHAUST FAN CONNECT TO BE FLANGED AND DISKETED AT THE BASE OF THE FAN FOR VERTICAL DISCHARGE OR COMPLIES WITH IMC 506.3.2.3 FOR OTHER FANS. GASKET AND SEALING MATERIAL ARE RATED FOR CONTINUOUS DUTY AT NOT LESS THAN 1500°F.
- GREASE DUCT SUPPORT SHALL BE PROVIDED PER 2018 IMC 506.3.3.

REVISIONS	
DESCRIPTION	DATE

CAPTIVE
Arizona Office
www.captivefire.com
18206 N 19th Ave, Ste 1A-1B, Phoenix, AZ 85023 PHONE: (480) 926-6810 FAX: 877-192227 EMAIL: reg5@captivfire.com

City of Phoenix Fire Station No. 74
TOLLESON, AZ, 85353

DATE: 9/27/2023
DWG.#: 6244325
DRAWN BY:
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 2

Revisions	Date
1 CITY COMMENTS	3/10/24



Designed By: CR / PN
Drawn By: CR / PN
Checked By: GJJ
Date: 12/14/2023
Phase: PERMIT

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Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**
Index No: **FD57100020-3**

**KITCHEN VENTILATION
M6.02**

KIVA # 23-1810
SDEV # 2300473

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EXHAUST FAN INFORMATION - JOB#6244325

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1		1	DU50HFA	CAPTIVEAIRE	725	0.750	1231	ODP	0.500	0.2040	1	115	8.4	276 FPM	90	10.3

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1		1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	2 YEAR PARTS WARRANTY

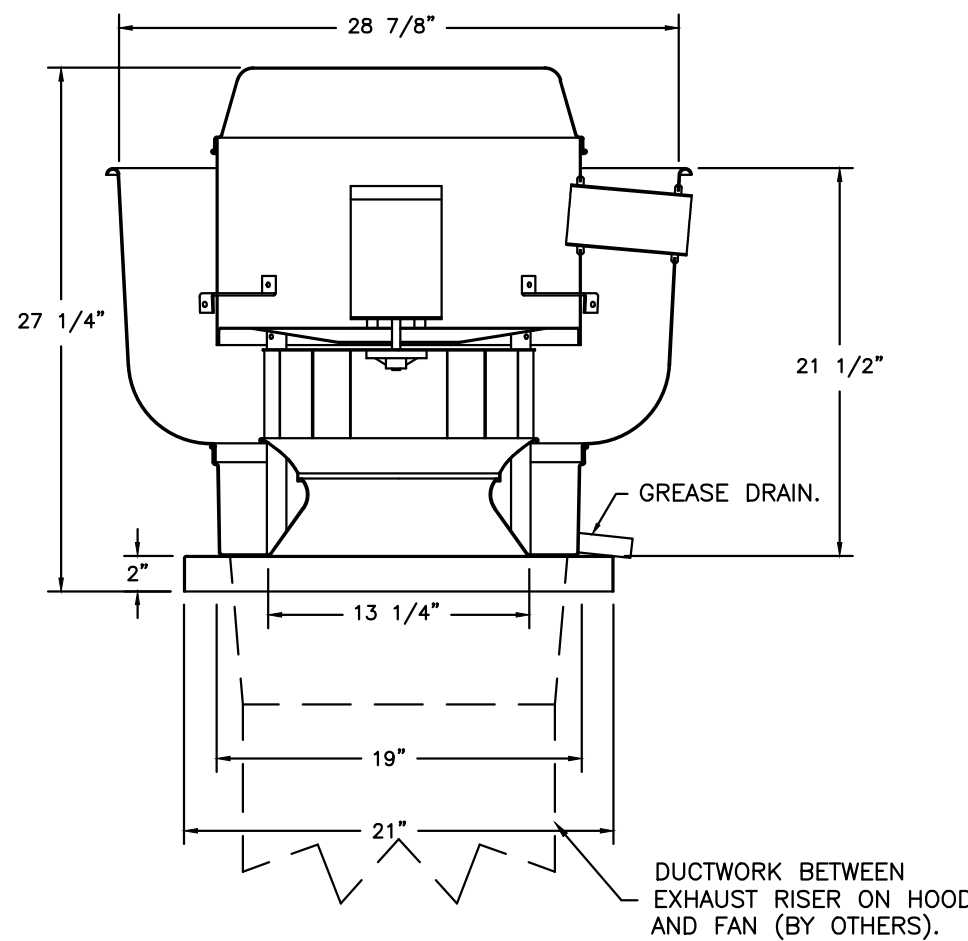
FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST				SUPPLY		
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1		YES						

CURB ASSEMBLIES

NO	ON FAN	WEIGHT	ITEM	SIZE
1	# 1	31 LBS	CURB	19.500"W X 19.500"L X 20.000"H VENTED HINGED.

FAN #1 DU50HFA - EXHAUST FAN



FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL782 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST

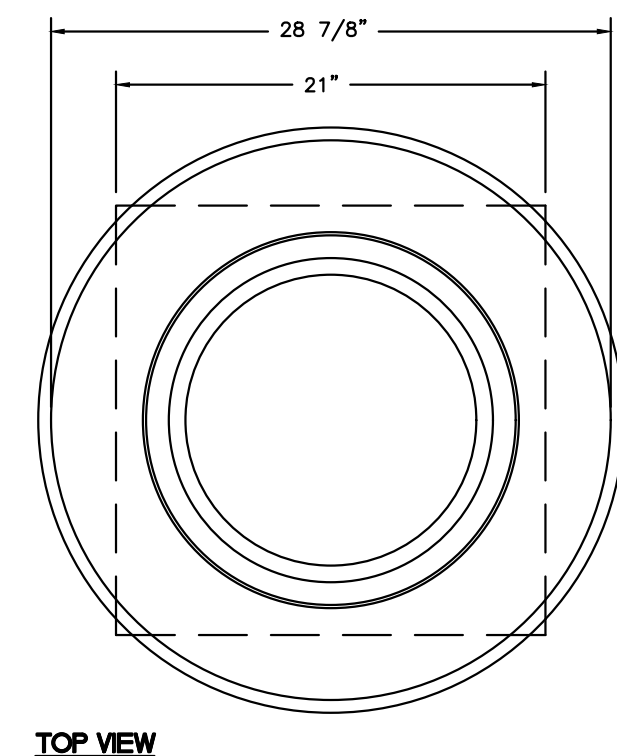
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST

EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

- GREASE BOX.
- FAN BASE CERAMIC SEAL - INSTALLED AT PLANT FOR GREASE DUCTS.
- 2 YEAR PARTS WARRANTY.



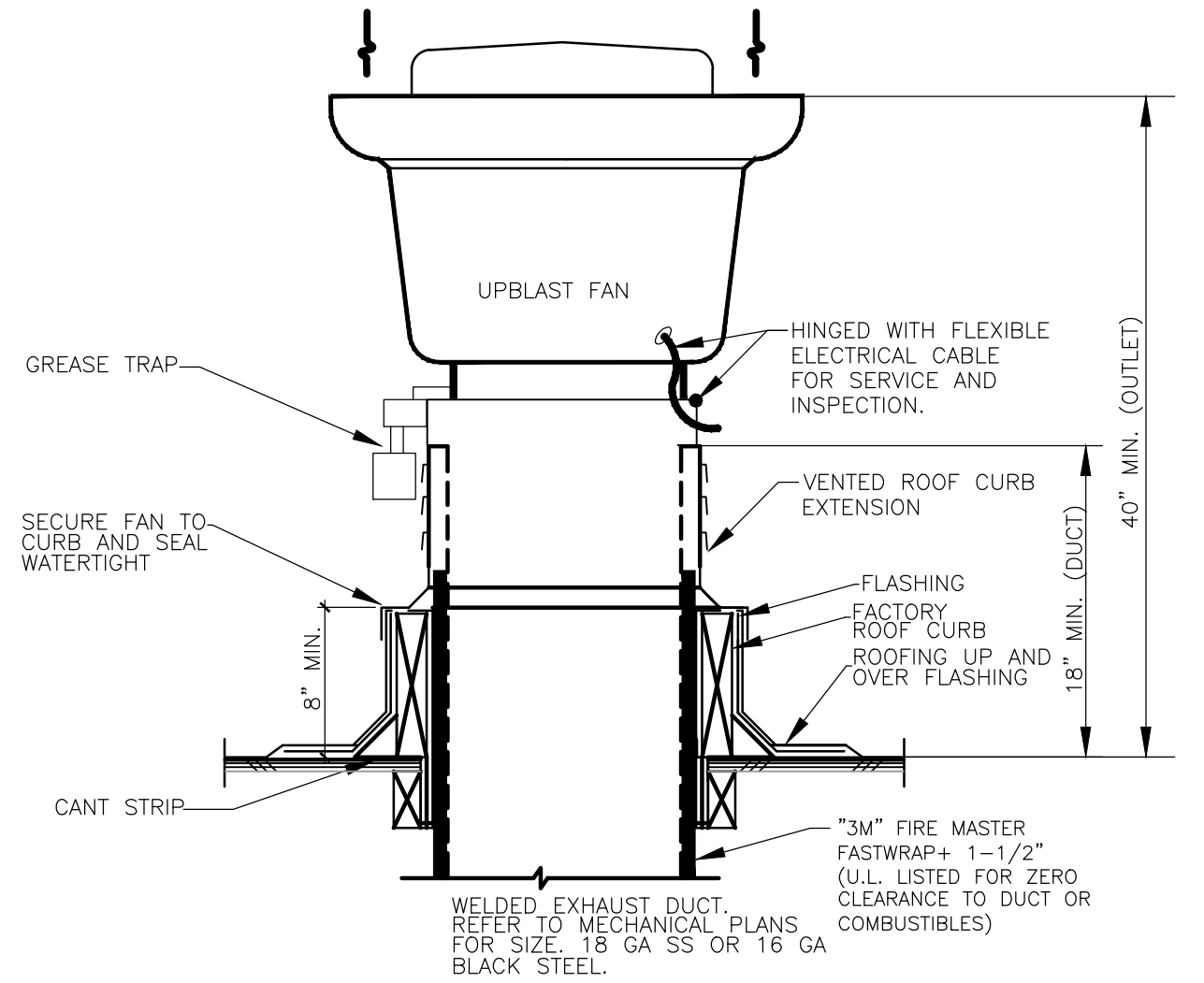
TOP VIEW

VERIFY PITCH CURB

Curb Pitch Required in order to manufacture the curb to specification.

NOTES:

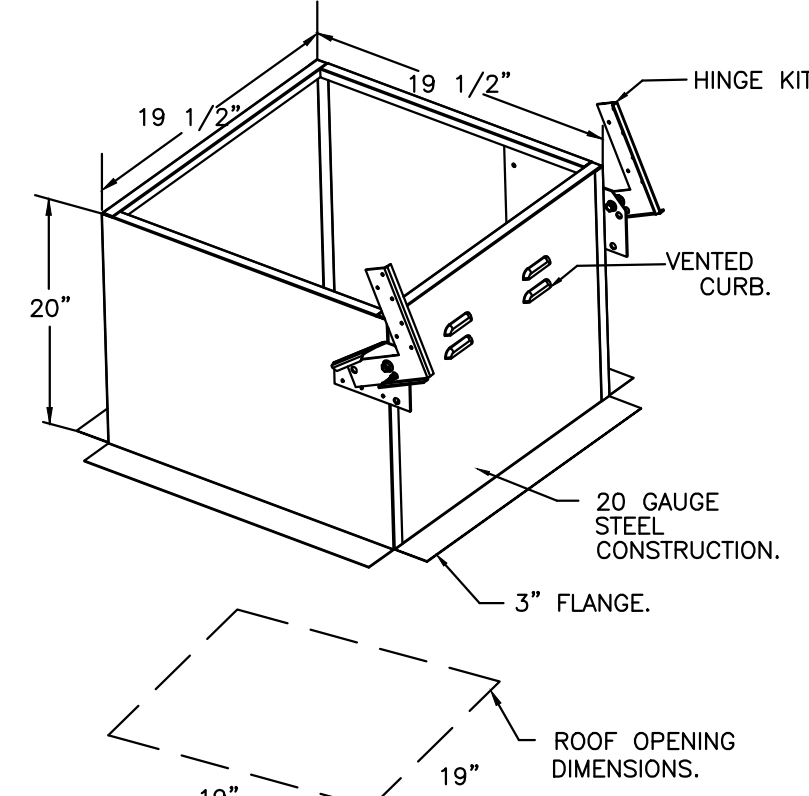
1. THIS DETAIL IS FOR TYPE 1 GREASE HOOD APPLICATIONS. REFER TO UNIFORM MECHANICAL CODES FOR CLEARANCES AND DISTANCES FROM PROPERTY LINES, WALLS, ETC.
2. REFER TO ARCHITECTURAL DETAILS FOR RATED DUCT ENCLOSURE DETAILS.
3. PROVIDE HINGED CURB.



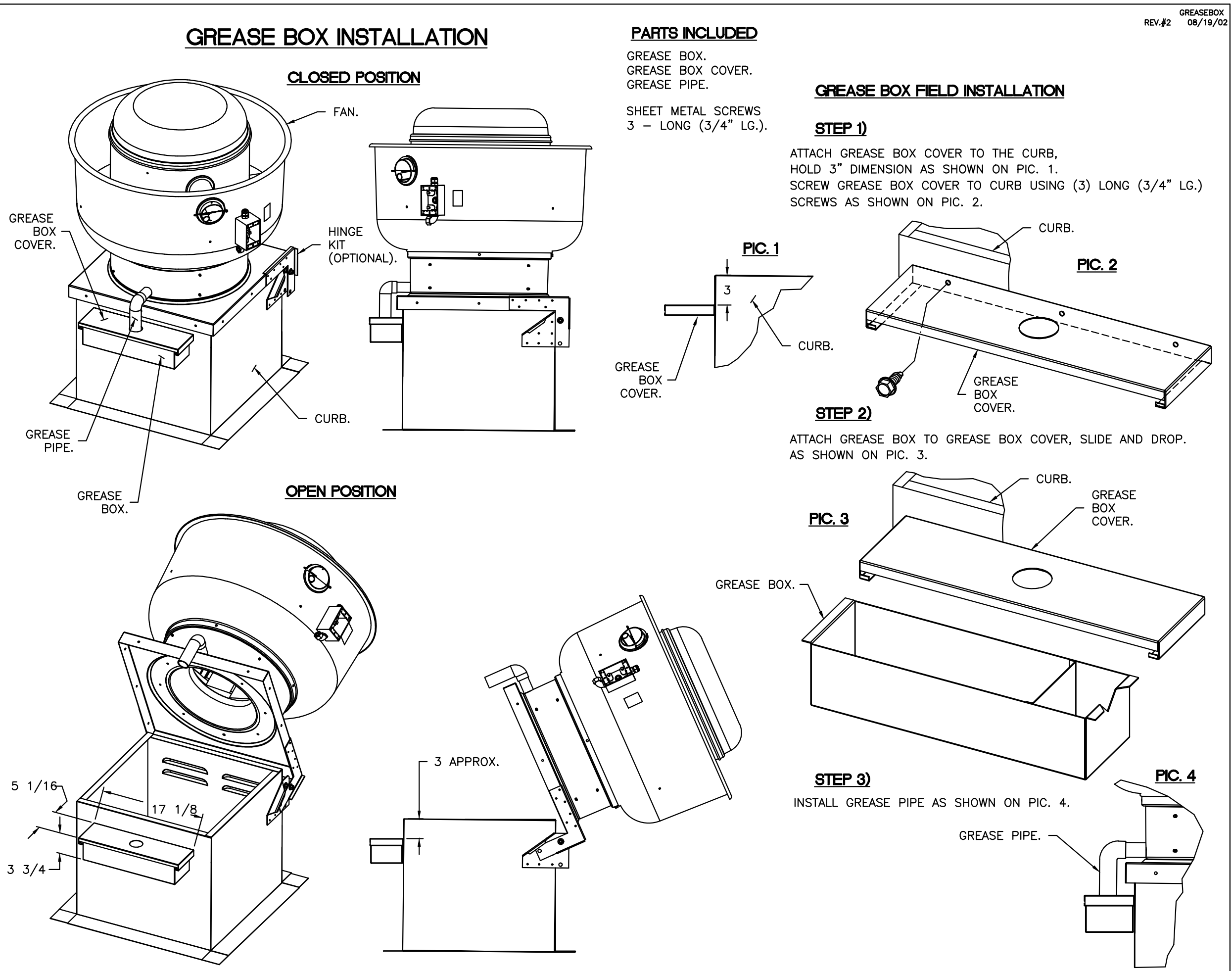
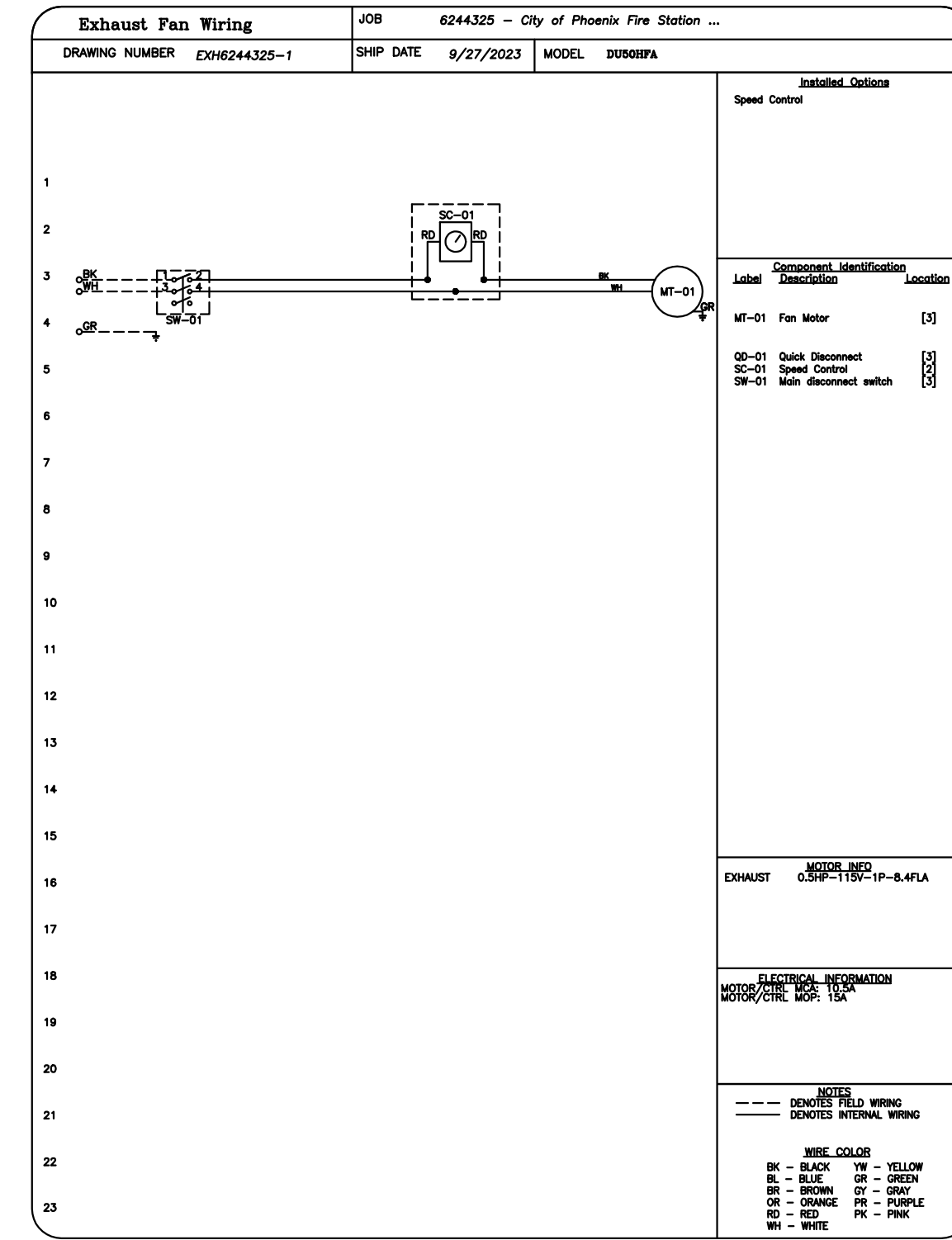
UPBLAST CENTRIFUGAL EXHAUST FAN-COMMERCIAL KITCHEN APPLICATION

NOT TO SCALE

NOTE: REFER TO PLANS. GREASE DUCT HAS NO OFFSETS. NO CLEANOUTS REQUIRED.



NOTE: EXHAUST FAN TO BE NON-SPARKING CONSTRUCTION AND SHALL HAVE UL 782 LISTING FOR RESTAURANT EXHAUST APPLICATIONS (MC 506.5.1).



NOTE: UL 705 INSTALL

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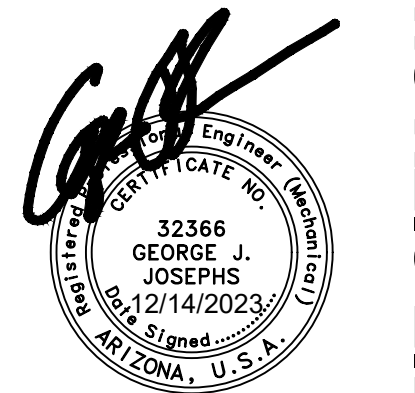
Arizona Office
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City of Phoenix Fire Station No. 74
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Revisions	Date
1 CITY COMMENTS	3/7/24



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PHOENIX, ARIZONA 85045
Index No: FD57100020-3

AME PROJECT #23-088

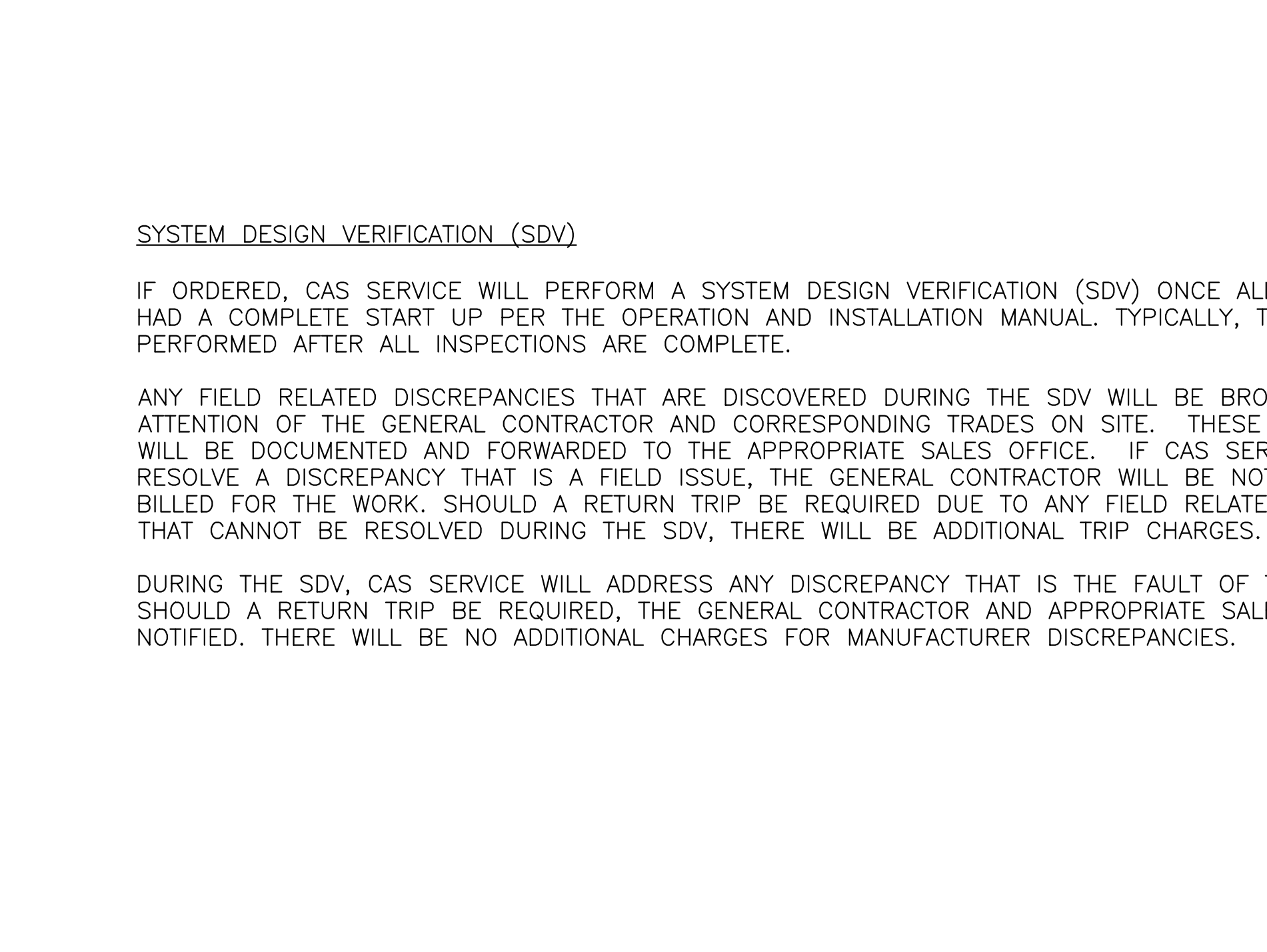
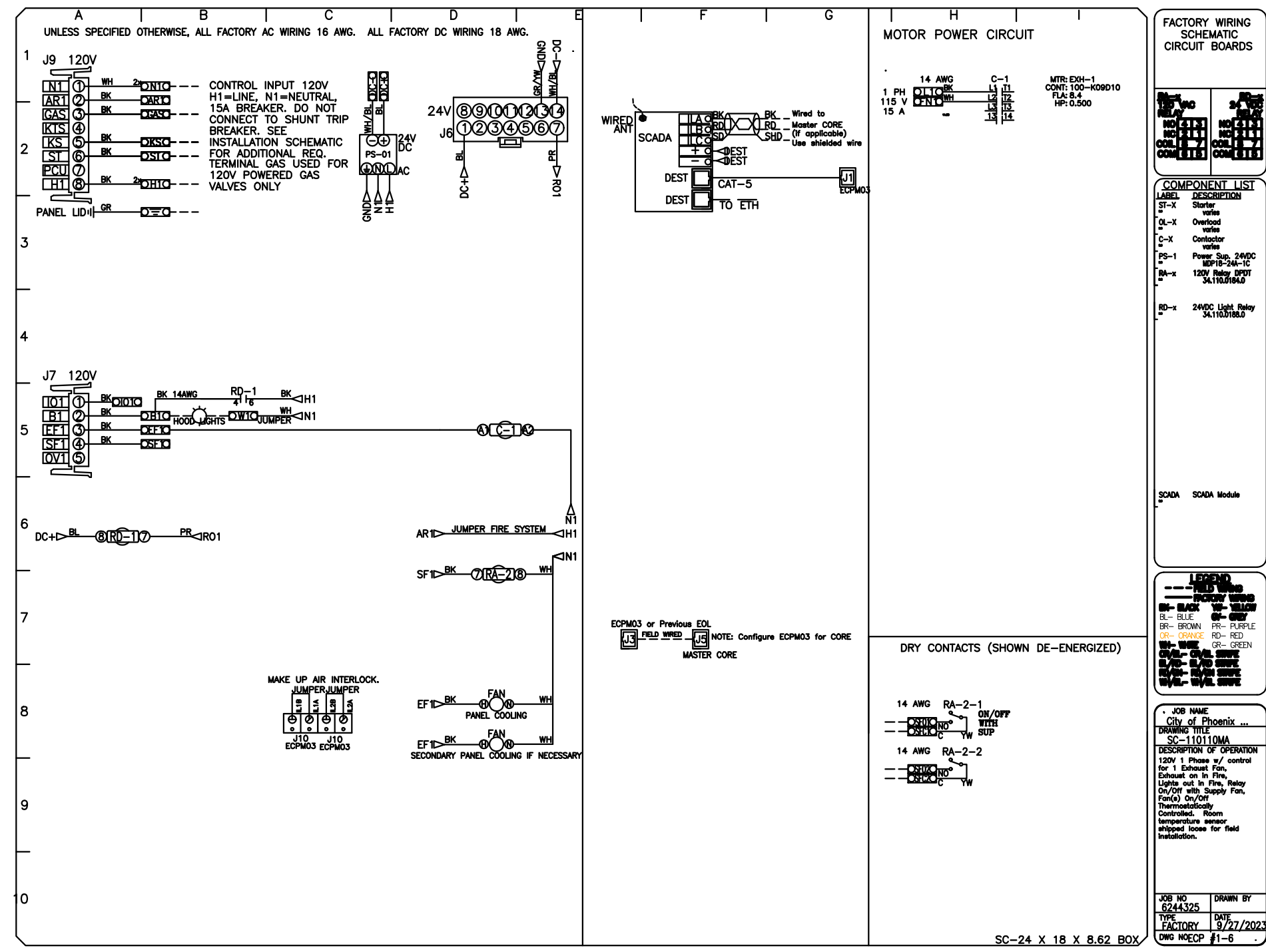
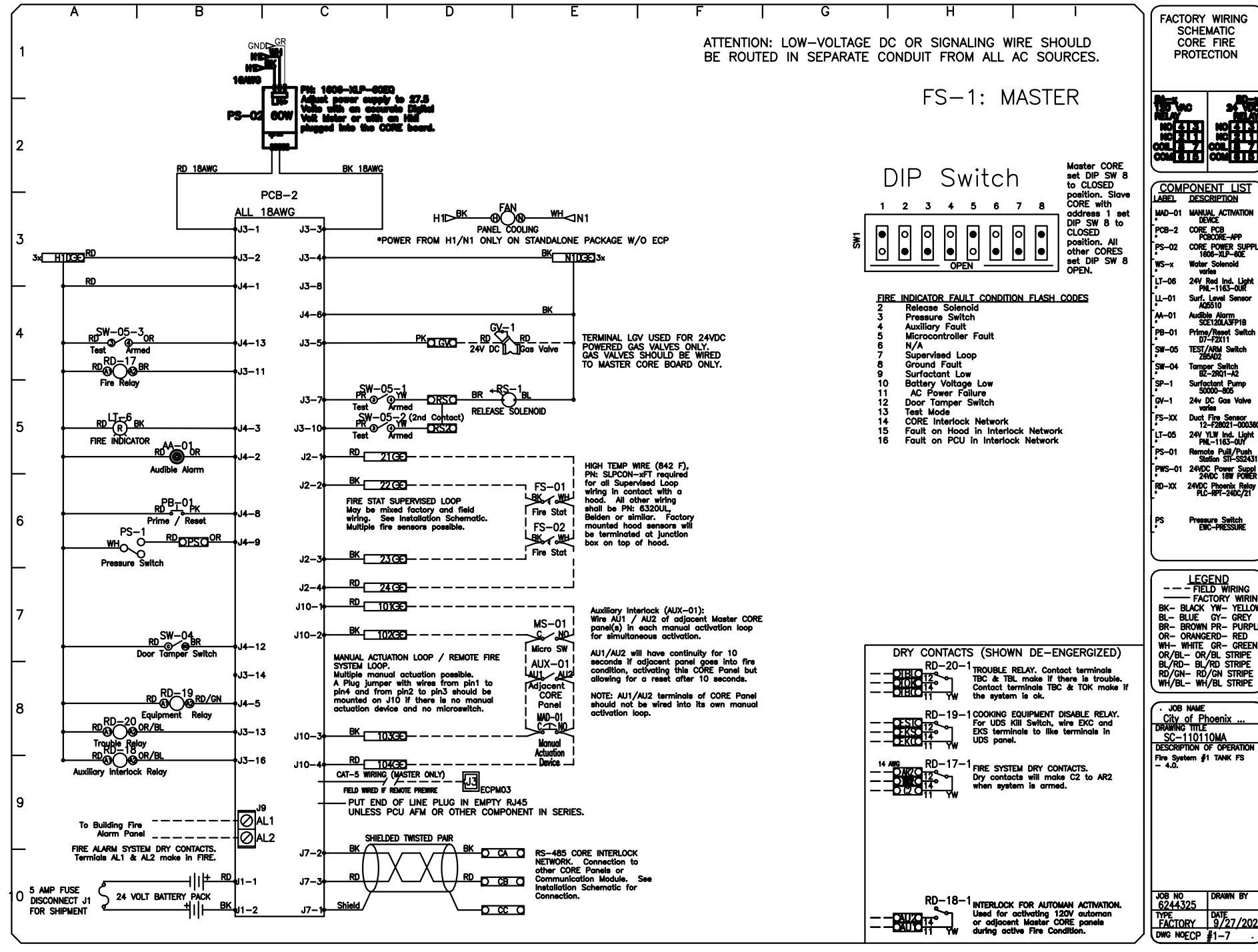
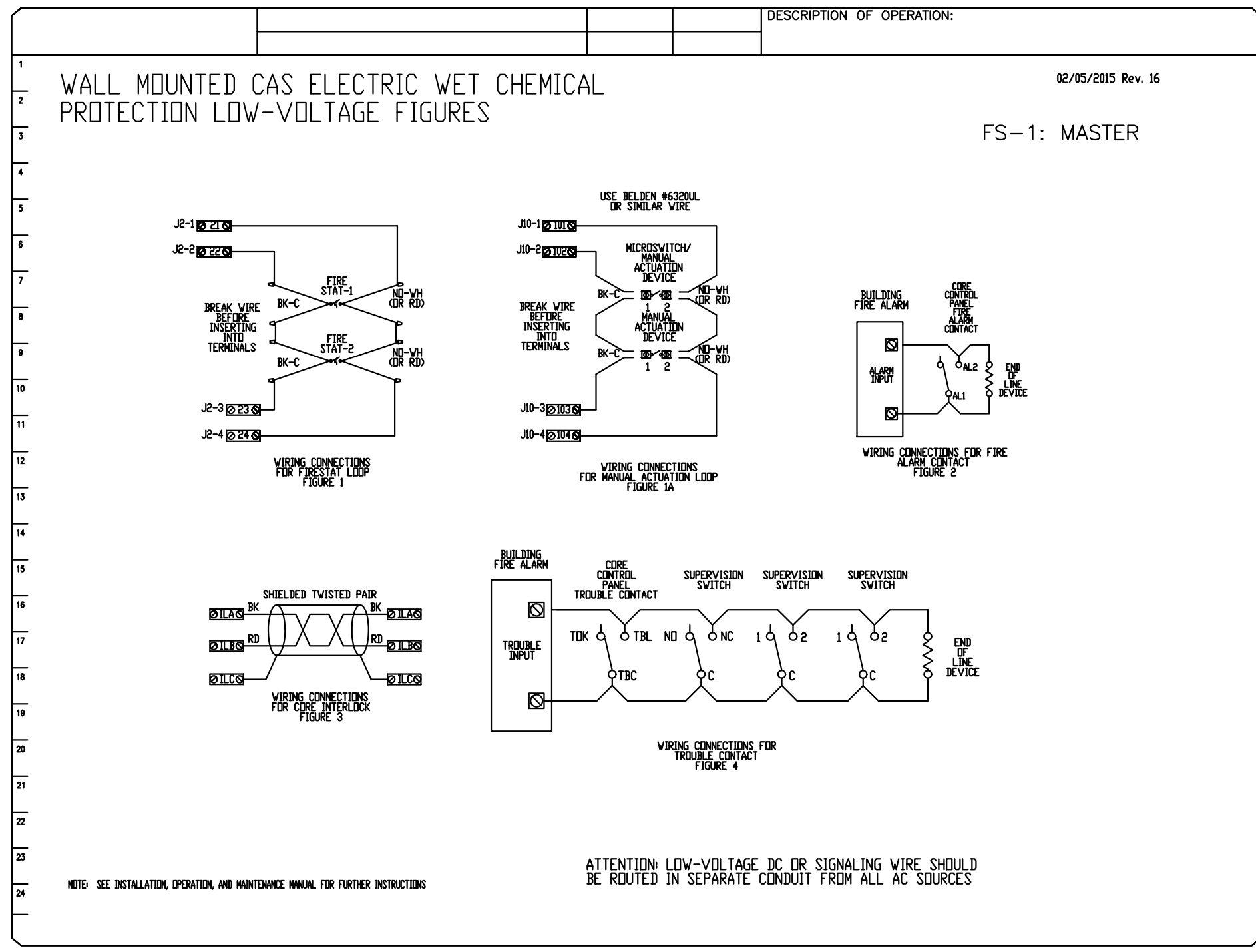
AME
CONSULTING ENGINEERS
MECHANICAL PLUMBING

ASSOCIATED MECHANICAL ENGINEERS, PLLC
1121 W. Warner Rd., Suite 107
Tempe, AZ 85284
480.966.3996 Phone

KIVA # 23-1810
SDEV # 2300473

KITCHEN VENTILATION
M6.04

Note:
Per City of Phoenix City Code Chapter 2, section 2-28, these plans are for official use only and may not be shared with others except as required to fulfill the obligations of your contract with the City of Phoenix.



SYSTEM DESIGN VERIFICATION (SDV)

IF ORDERED, CAS SERVICE WILL PERFORM A SYSTEM DESIGN VERIFICATION (SDV) ONCE ALL EQUIPMENT HAS HAD A COMPLETE START UP PER THE OPERATION AND INSTALLATION MANUAL. TYPICALLY, THE SDV WILL BE PERFORMED AFTER ALL INSPECTIONS ARE COMPLETE.

ANY FIELD RELATED DISCREPANCIES THAT ARE DISCOVERED DURING THE SDV WILL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CORRESPONDING TRADES ON SITE. THESE ISSUES WILL BE DOCUMENTED AND FORWARDED TO THE APPROPRIATE SALES OFFICE. IF CAS SERVICE HAS TO RESOLVE A DISCREPANCY THAT IS A FIELD ISSUE, THE GENERAL CONTRACTOR WILL BE NOTIFIED AND BILLED FOR THE WORK. SHOULD A RETURN TRIP BE REQUIRED DUE TO ANY FIELD RELATED DISCREPANCY THAT CANNOT BE RESOLVED DURING THE SDV, THERE WILL BE ADDITIONAL TRIP CHARGES.

DURING THE SDV, CAS SERVICE WILL ADDRESS ANY DISCREPANCY THAT IS THE FAULT OF THE MANUFACTURER. SHOULD A RETURN TRIP BE REQUIRED, THE GENERAL CONTRACTOR AND APPROPRIATE SALES OFFICE WILL BE NOTIFIED. THERE WILL BE NO ADDITIONAL CHARGES FOR MANUFACTURER DISCREPANCIES.

REVISIONS

DESCRIPTION	DATE
1 CITY COMMENTS	3/7/24

CAPTIVE

Arizona Office

18206 N 19th Ave, Ste 1A-B, Phoenix, AZ 85023 PHONE: (480) 926-6810 FAX: 877-19227 EMAIL: reg@captivewet.com

City of Phoenix Fire Station No. 74
TOLLESON, AZ, 85353

DATE: 9/27/2023
DWG #: 6244325
DRAWN BY:
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 6

Revisions	Date
1 CITY COMMENTS	3/7/24



Designed By:
CR / PN

Drawn By:
CR / PN

Checked By:
GJJ

Date:
12/14/2023

Phase:
PERMIT

Perلمان
Architects of Arizona
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FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
Index No: FD57100020-3

AME PROJECT #23-088

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CONSULTING ENGINEERS
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480.966.3996 Phone

KIVA # 23-1810
SDEV # 2300473

KITCHEN VENTILATION

M6.06

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COMcheck Software Version 4.1.5.3
Mechanical Compliance Certificate

Project Information

Energy Code: 2018 IECC
 Project Title: PHOENIX FIRE STATION #74
 Location: Phoenix, Arizona
 Climate Zone: 2b
 Project Type: New Construction

Construction Site: _____ Owner/Agent: _____ Designer/Contractor: _____

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed
 Enhanced Interior Lighting Controls, 1.0 credit

Mechanical Systems List

Quantity System Type & Description

- 3 AC-1.2.5 (Single Zone):
 Heating: 1 each - Central Furnace, Gas, Capacity = 59 kBtu/h
 Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE
 Cooling: 1 each - Single Package DX Unit, Capacity = 33 kBtu/h, Air-Cooled Condenser, No Economizer, Economizer exception:
 Humidity Requirements
 Proposed Efficiency = 15.00 SEER, Required Efficiency: 14.00 SEER
 Fan System: FAN SYSTEM 1 -- Compliance (Motor nameplate HP method) : Passes
 Fans:
 FAN 1 Supply, Constant Volume, 1600 CFM, 1.2 motor nameplate hp, 0.9 fan efficiency grade
- 2 AC-3.4 (Single Zone):
 Heating: 1 each - Central Furnace, Gas, Capacity = 59 kBtu/h
 Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE
 Cooling: 1 each - Single Package DX Unit, Capacity = 45 kBtu/h, Air-Cooled Condenser, No Economizer, Economizer exception:
 Humidity Requirements
 Proposed Efficiency = 15.00 SEER, Required Efficiency: 14.00 SEER
 Fan System: FAN SYSTEM 2 -- Compliance (Motor nameplate HP method) : Passes
 Fans:
 FAN 2 Supply, Constant Volume, 2000 CFM, 2.4 motor nameplate hp, 0.9 fan efficiency grade
- 3 DU/DCU 1-3 (Single Zone):
 Cooling: 1 each - Split System, Capacity = 17 kBtu/h, Air-Cooled Condenser, Unknown Economizer
 Proposed Efficiency = 20.00 SEER, Required Efficiency: 13.00 SEER
 Fan System: FAN SYSTEM 3 -- Compliance (Motor nameplate HP method) : Passes
 Fans:
 FAN 3 Supply, Constant Volume, 705 CFM, 0.1 motor nameplate hp, 0.9 fan efficiency grade

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.3 and to comply with any applicable mandatory requirements listed in the inspection Checklist.

Project Title: PHOENIX FIRE STATION #74 Report date: 12/11/23
 Data filename: \\S:\AME-S\Mechanical\2023 Projects\23-088\23-088 Mechanical\COMcheck\23-088 Page 1 of 12
 COMcheck.cck

GEORGE JOSEPHS, P.E. 12/14/2023
 Name - Title Signature Date

Project Title: PHOENIX FIRE STATION #74 Report date: 12/11/23
 Data filename: \\S:\AME-S\Mechanical\2023 Projects\23-088\23-088 Mechanical\COMcheck\23-088 Page 2 of 12
 COMcheck.cck



Special Inspection Certificate
 Mechanical/Plumbing

POST AT JOB SITE WITH PERMIT
 (General Requirements and Instructions on the backside of form)

TO BE COMPLETED BY REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE		
Project Name: PHOENIX FIRE STATION #74	Project Address: 1910 W CHANDLER BLVD, PHOENIX, AZ 85045	Permit No. _____ Plan Log No. _____
Project Owner/Owner's Agent Name: PERLMAN ARCHITECTS	Mailing Address: 2929 N CENTRAL AVE, SUITE #100, PHOENIX, AZ 85012	Phone No. 480.951.5900
Registered Design Professional of Record Name: GEORGE JOSEPHS	Mailing Address: 1121 W WARNER RD, SUITE 107, TEMPE, AZ 85284	Phone No. 480.966.3996
Firm Name: ASSOCIATED MECHANICAL ENGINEERS	Email Address: george@am-engineers.com	Fax No. _____

I hereby affirm that I am familiar with the design of this project and have been designated by the Owner/owner(s) Agent as the registered design professional in responsible charge for implementing the Mechanical and/or Plumbing Special Inspections Program required by the City of Phoenix Building Construction Code Sections 110.3.10 and 1704. I have determined that the types of work checked below require Mechanical and/or Plumbing Special Inspection. I understand and agree to inform the project owner, the contractor(s), and the special inspector(s) about all the Mechanical and/or Plumbing Special Inspection Program requirements and limitations, including that the Special Inspector(s) must be independent third-party individual(s) or Registered Design Professional(s) and shall not be the installing contractor(s).

(Seal, Sign, and Date)

Y E S	N O	TYPES OF WORK REQUIRING SPECIAL MECHANICAL/PLUMBING INSPECTION (Attach Supplement if Necessary)	QUALIFIED SPECIAL INSPECTOR NAME AND ID NUMBER
		Duct Smoke Detectors	
		Fire and Smoke Damper Operation	
✓		Installation of Grease Duct Enclosure	GEORGE JOSEPHS
		Smoke Control	
		Medical Gas and Vacuum Systems	
		Ambulatory Care Facilities	

All special inspection reports were reviewed and found to be in conformance with the approved construction documents.
 Registered Design Professional Signature: *George Josephs* Date: 12/14/2023
 In responsible charge _____ Date _____

Page 1 of 2
 For more information or for a copy of this publication in an alternate format, contact Planning & Development at 602-262-7811 voice or TTY use 7-1-1.
 P:\Special Inspection Certificate, Mechanical Plumbing TRT\DOC\00276
 WEB\sec_rj_def_00276 Rev. 03/19

Revisions	Date
1 CITY COMMENTS	3/10/24



Designed By: CR / PN
 Drawn By: CR / PN
 Checked By: GJJ
 Date: 12/14/2023
 Phase: PERMIT

City of Phoenix Planning & Development Department
Special Inspection Certificate, Mechanical/Plumbing – Page 2 of 2 TRT/DOC/00276

The following are general requirements and instructions for processing the Special Mechanical and/or Plumbing Inspections Program form and general information for persons responsible for the special inspections.

GENERAL REQUIREMENTS. Phoenix Building Construction Code (PBCC) Sections 110.3.10 and 1704 require Special Mechanical and/or Plumbing Inspections for the types of work specified in Sections 1705.20 and 1705.21. Special Mechanical and/or Plumbing Inspections include, but are not limited to, observation of the work assigned for conformance with the approved design drawings and specifications, and submission of appropriate inspection reports to the City of Phoenix Plumbing/Mechanical Inspector. See the PBCC and PBCC Regulations/Interpretations for additional information and requirements.

The Special Mechanical and/or Plumbing Inspector shall be a qualified person who demonstrates competence to the satisfaction of the building official for the type of work requiring Special Inspection. Competence shall be demonstrated by licensure as a Professional Mechanical Engineer in the State of Arizona or successful application to the city's certified list. These individual(s) shall be responsible for performing the Special Inspection tasks and reports required by the PBCC and PBCC Regulations.

The Special Mechanical and/or Plumbing Inspector(s) shall be an independent, third-party individual or testing agency and shall not be the installing contractor or any other person responsible for the work.

INSTRUCTIONS

REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. Complete all information requested on this form. Indicate the TYPES OF WORK requiring Special Mechanical and/or Plumbing Inspections. Seal, sign and date the form. Submit to the city with the permit application whenever the code requires special inspections. This form may be reproduced in the construction plans in lieu of submitting separate sheets. Sign and date the original form after the final inspection report has been reviewed. The qualified special inspector individual must be named on the form at this time.

PLAN REVIEWER. Review the Special Mechanical and/or Plumbing Inspections Program form for accuracy and ensure that it identifies all work requiring Special Inspections. Complete any missing information (i.e., project and/or permit numbers) if known and indicate on the permit(s) "Special Inspection Required." The Special Mechanical and/or Plumbing Inspections form shall be processed before permit issuance.

CITY PLUMBING/MECHANICAL INSPECTOR. Review the Special Mechanical and/or Plumbing Inspections Program form for the name of the registered design professional in responsible charge, contractor, etc. for the Special Mechanical and/or Plumbing Inspections Program and the names of the individual(s) authorized to perform Special Inspections. Address any Special Inspection concerns of the Special Mechanical and/or Plumbing Inspector(s). Attend any necessary job conferences related to Special Inspections procedures. Review all required Special Inspections and final reports and provide copy to records.

SPECIAL INSPECTOR. The individual(s) responsible for the Special Mechanical and/or Plumbing Inspections shall complete a signed written report after each site visit requiring Special Inspection. The Special Inspector(s) shall ensure that all reports are posted with the permit at the job site and are available to the City of Phoenix Plumbing/Mechanical Inspector for review. All discrepancies shall be brought to the immediate attention of the contractor for correction and, if uncorrected, to the registered design professional in responsible charge, contractor, etc. and to the City of Phoenix Plumbing/Mechanical Inspector.

The Special Mechanical and/or Plumbing Inspector shall submit a final signed report to the registered design professional in responsible charge, contractor etc. and to the City of Phoenix Plumbing/Mechanical Inspector providing final test results and stating whether the items requiring Mechanical and/or Plumbing inspection were, to the best of the inspector's knowledge in compliance with the approved plans and specifications and applicable workmanship provisions of the code. Final inspection approval and/or issuance of Certificate of Occupancy will not occur until all Special Inspection reports have been received and accepted by the City of Phoenix Plumbing/Mechanical Inspector.

AME PROJECT #23-088

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 Tempe, AZ 85284
 480.966.3996 Phone

COMcheck
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 Architects of Arizona
 2929 North Central Avenue, Suite # 1600
 Phoenix, Arizona 85012
 480.951.5900 perلمان.com

Title: FIRE STATION #74
 1910 W. CHANDLER BLVD.
 PHOENIX, ARIZONA 85045
 Index No: FD57100020-3

KIVA # 23-1810
 SDEV # 2300473

M7.01

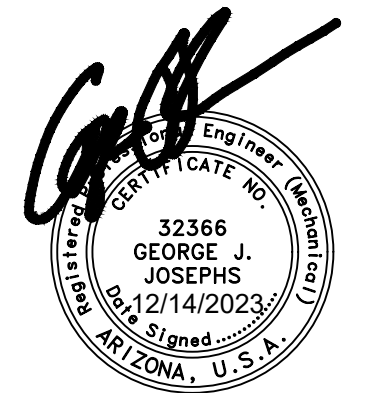
CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

NOTE:
DWV AND RDL PIPING SHALL BE SOLID WALL PVC OR ABS WITH SANITARY FITTINGS OR CISPI 301 CAST IRON. CAST IRON ONLY AT EXPOSED CONDITIONS. THE OTHER CAN BE USED IN CONCEALED SPACES AND WALL CAVITIES.

NOTE - NO EXCEPTIONS:
CELLULAR CORE OR FOAM CORE PLASTIC PIPING OF ANY TYPE WILL NOT BE APPROVED FOR USE ON THIS PROJECT UNDER ANY CIRCUMSTANCES.

- # KEYED NOTES:
1. EXTEND SANITARY SEWER 5'-0" FROM BUILDING, REFER TO CIVIL DRAWINGS FOR CONTINUATION, COORDINATE EXACT INVERT, LOCATION AND SIZE WITH CIVIL PRIOR TO STARTING WORK.
 2. 3" VENT UP FROM BELOW GRADE/FLOOR, INTO WALL AND OFFSET IN STRUCTURAL SPACE AND THEN VENT THROUGH ROOF.
 3. GAS METER AND REGULATOR BY LOCAL GAS COMPANY, COORDINATE WITH LOCAL GAS COMPANY TO PROVIDE GAS AS REQUIRED, REFER TO GAS SCHEMATIC FOR NOTES AND PIPE SIZES ON P402.
 4. VENT THROUGH ROOF. COORDINATE AND VERIFY ALL VENT THROUGH ROOF TERMINATE POINT SHALL BE A MIN OF 10'-0" FROM ANY OUTSIDE AIR INTAKE.
 5. GAS UP THROUGH ROOF TO MECHANICAL EQUIPMENT ON ROOF. PROVIDE DIRT LEG, SHUT-OFF VALVE AND UNION AT EACH CONNECTION. REFER TO DETAIL #5 ON P501.
 6. GAS DOWN TO HEADER BELOW GAS FIRED TANKLESS WATER HEATERS. REFER TO DETAIL AS INDICATED, REFER TO GAS SCHEMATIC FOR NOTES AND PIPE SIZES ON P402.
 7. GAS DOWN TO RANGE/OVEN. REFER TO GAS SCHEMATIC ON P402 FOR NOTES AND PIPE SIZES.
 8. GAS DOWN IN WALL TO BBQ, PROVIDE DIRT LEG AND VALVE TO BBQ STUB.
 9. GAS DOWN FROM HEADER TO BELOW GRADE AND EXTEND TO BACKUP EMERGENCY GENERATORS REFER TO GAS SCHEMATIC FOR NOTES AND PIPE SIZES. REFER TO ELECTRICAL SITE PLAN FOR EXACT LOCATION.
 10. EXTEND MEDIUM PRESSURE GAS TO EMERGENCY BACKUP GENERATORS.
 11. RDL AND ODL DOWN FROM RD AND OD MOUNTED IN ROOF DECK ABOVE. EXTEND ROOF DRAIN LEADERS DOWN AND SLOPE 1/8" PER FOOT TO EXTERIOR OF BUILDING AS SHOWN. ROOF DRAIN SYSTEM SIZED AT 3" RAINFALL PER HOUR AND 1/8" PER FOOT SLOPE.
 12. RDL AND ODL DOWN ALONG WALL, EXTEND ODL OUT OF BUILDING AT 12" A.F.F., EXTEND RDL DOWN TO BELOW GRADE AND EXTEND AWAY FROM BUILDING.
 13. EXTEND RDL 5'-0" FROM BUILDING AND REFER TO CIVIL OR CONTINUATION.
 14. SOLENOID GAS SHUT-OFF VALVE AND MANUAL VALVE ABOVE CEILING, INTERLOCK SOLENOID WITH KITCH HOOD CONTROLS.

Revisions	Date
1	3/10/24
CITY COMMENTS	



Designed By:
CR / PN

Drawn By:
CR / PN

Checked By:
GJJ

Date:
12/14/2023

Phase:
PERMIT

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Architects of Arizona
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480.951.5900 perلمان.com

Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**
Index No:
FD57100020-3

**KIVA # 23-1810
SDEV # 2300473**

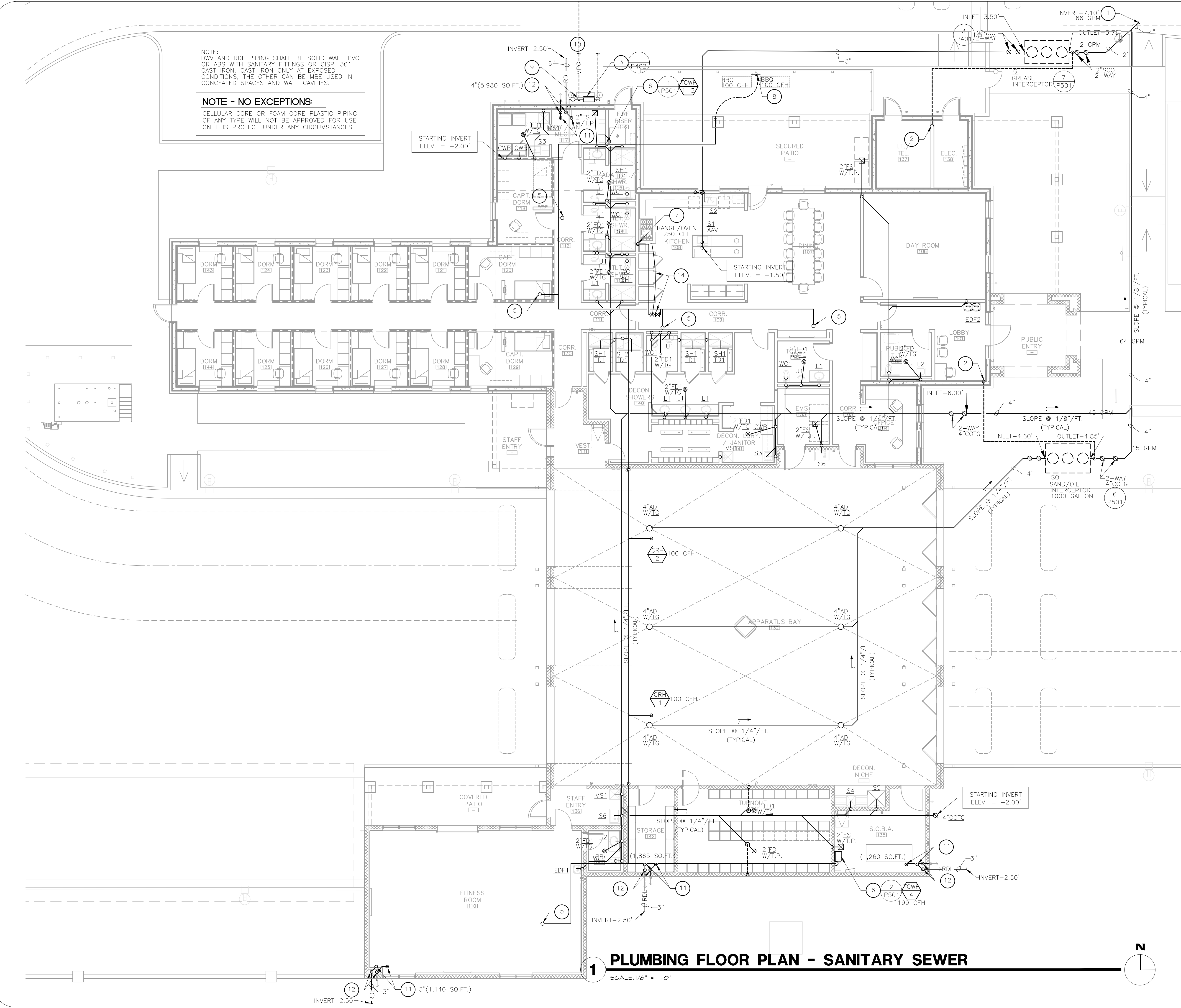
PLUMBING FLOOR PLAN
P2.01

AME PROJECT #23-088

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CONSULTING ENGINEERS
MECHANICAL & PLUMBING

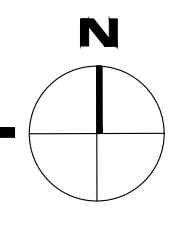
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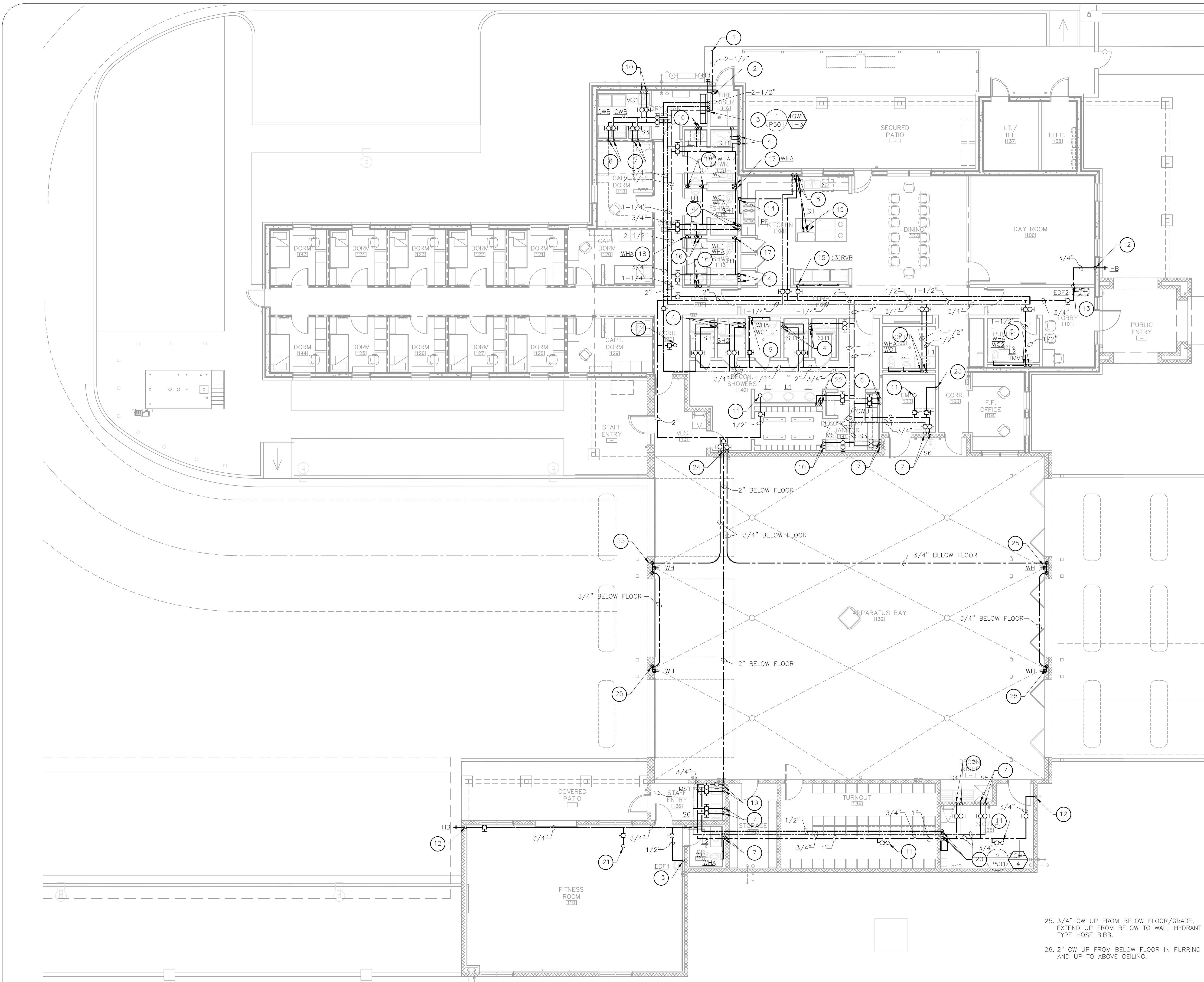


1 PLUMBING FLOOR PLAN - SANITARY SEWER

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



CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL



- KEYED NOTES:**
1. EXTEND 2-1/2" DOMESTIC CW 5'-0" FROM BUILDING. REFER TO CIVIL DRAWINGS FOR CONTINUATION. COORDINATE EXACT LOCATION AND SIZE WITH CIVIL PRIOR TO STARTING WORK.
 2. 2-1/2" CW RISER WITH SHUT-OFF VALVE (FULL PORT BALL TYPE). EXTEND 3/4" CW TO HOSE BIBB TO EXTERIOR AS SHOWN. EXTEND 3" CW UP INTO STRUCTURAL SPACE OVER HEAD.
 3. 1-1/4" HW AND 1-1/4" CW AND 3/4" HWR DOWN IN WALL TO TANKLESS WATER HEATERS. EXTEND FULL SIZE T&P RELIEF AND DRAIN PAN TO ADJACENT FLOOR SINK/MOP SINK. PIPING THAT IS EXPOSED SHALL BE INSTALLED IN A NEAT FASHION.
 4. 3/4" AND 3/4" HW DOWN IN WALL TO SHOWER.
 5. 1-1/2" CW, AND 1/2" HW DOWN IN WALL AND HW BACK UP IN WALL TO ABOVE CEILING. LOOP HW AND HWR PIPING FULL SIZE AT LAVATORY SUPPLY CONNECTION. EXTEND 1/2" HW BRANCH FROM SOURCE WITHIN 6" OF LAVATORY SUPPLY CONNECTION. WHERE INDICATED PROVIDE TMV MOUNTED BELOW LAVATORY AND EXTEND TEMPERED WATER TO FAUCET CONNECTIONS PER DETAIL 4/P401. EXTEND 1-1/2" CW TO WATER CLOSET AND 3/4" CW TO URINAL WHERE APPLIES. PROVIDE WATER HAMMER ARRESTER BEFORE LAST FLUSH VALVE FIXTURE ON THIS HEADER. PROVIDE ACCESS DOOR TO WATER HAMMER ARRESTER.
 6. 3/4" HW AND 3/4" CW DOWN IN WALL TO EACH CLOTHES WASHER.
 7. 3/4" HW AND 3/4" CW DOWN IN WALL TO SINK.
 8. 3/4" HW AND 3/4" CW DOWN IN WALL TO SINK. 1/2" HW TO DISHWASHERS AND EXTEND 3/4" HW AND 3/4" CW DOWN TO BELOW FLOOR AND EXTEND TO ISLAND SINK AS SHOWN.
 9. 1-1/2" CW DOWN IN WALL TO FULL SIZE 1-1/2" HEADER, EXTEND 1-1/2" CW TO WATER CLOSET, 1" CW TO URINAL AND 3/4" CW TO WATER HAMMER ARRESTER MOUNTED IN WALL WITH SHUT-OFF VALVE BEHIND ACCESS PANEL/DOOR, COORDINATE LOCATION WITH ARCHITECT.
 10. 3/4" HW AND 3/4" CW DOWN IN WALL TO MOP SINK.
 11. 1/2" CW UP THROUGH ROOF TO EVAP COOLER MOUNTED ON ROOF. PROVIDE SHUT-OFF VALVE AND UNION AT EQUIPMENT CONNECTION. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO STARTING WORK.
 12. 3/4" CW DOWN IN WALL TO HOSE BIBB.
 13. 1/2" CW DOWN IN WALL TO DRINKING FOUNTAIN.
 14. 1/2" CW DOWN IN WALL TO POT FILLER AT RANGE IN KITCHEN.
 15. 3/4" CW DOWN IN WALL EXTEND 1/2" CW TO EACH RVB AT EACH REFRIGERATOR LOCATION. PROVIDE WATER HAMMER ARRESTER AT EACH LOCATION.
 16. 1/2" HW AND 1/2" CW DOWN IN WALL TO LAVATORY.
 17. 1-1/2" CW DOWN IN WALL TO WATER CLOSET. PROVIDE WATER HAMMER ARRESTER PRIOR TO FLUSH VALVE CONNECTION IN WALL. PROVIDE ACCESS PANEL FOR SERVICE OF WATER HAMMER ARRESTER.
 18. 1" CW DOWN IN WALL TO URINAL, 3/4" CW TO WATER HAMMER ARRESTER AND PROVIDE ACCESS PANEL FOR WATER HAMMER SERVICE.
 19. 3/4" HW AND 3/4" CW UP FROM BELOW FLOOR AND EXTEND TO SINK.
 20. 3/4" HW AND 3/4" CW AND 1/2" HWR DOWN IN WALL TO TANKLESS WATER HEATERS. EXTEND FULL SIZE T&P RELIEF AND DRAIN TO EXTERIOR. PIPING THAT IS EXPOSED SHALL BE INSTALLED IN A NEAT FASHION.
 21. 3/4" CW UP TO FREEZE PROOF ROOF MOUNTED HOSE BIBB.
 22. 3/4" HW AND 3/4" CW DOWN IN WALL TO FULL SIZE HEADER, EXTEND 1/2" HW AND 1/2" CW TO LAVATORY.
 23. 1/2" CW DOWN IN WALL TO FILTER AND EXTEND 1/2" CW FROM FILTER TO ICE MACHINE.
 24. 2" CW, AND (2) 3/4" CW DOWN IN WALL TO BELOW GRADE TO BELOW FLOOR AND EXTEND TO OTHERSIDE OF APP. BAY. EXTEND 3/4" CW TO EACH HOSE BIBB AS SHOWN.
 25. 3/4" CW UP FROM BELOW FLOOR/GRADE, EXTEND UP FROM BELOW TO WALL HYDRANT TYPE HOSE BIBB.
 26. 2" CW UP FROM BELOW FLOOR IN FURRING AND UP TO ABOVE CEILING.

Revisions	Date
△ CITY COMMENTS	3/10/24



Designed By:
CR / PN

Drawn By:
CR / PN

Checked By:
GJJ

Date:
12/14/2023

Phase:
PERMIT

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Title:
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1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
Index No: **FD57100020-3**

KIVA # 23-1810
SDEV # 2300473

PLUMBING FLOOR PLAN
P2.02

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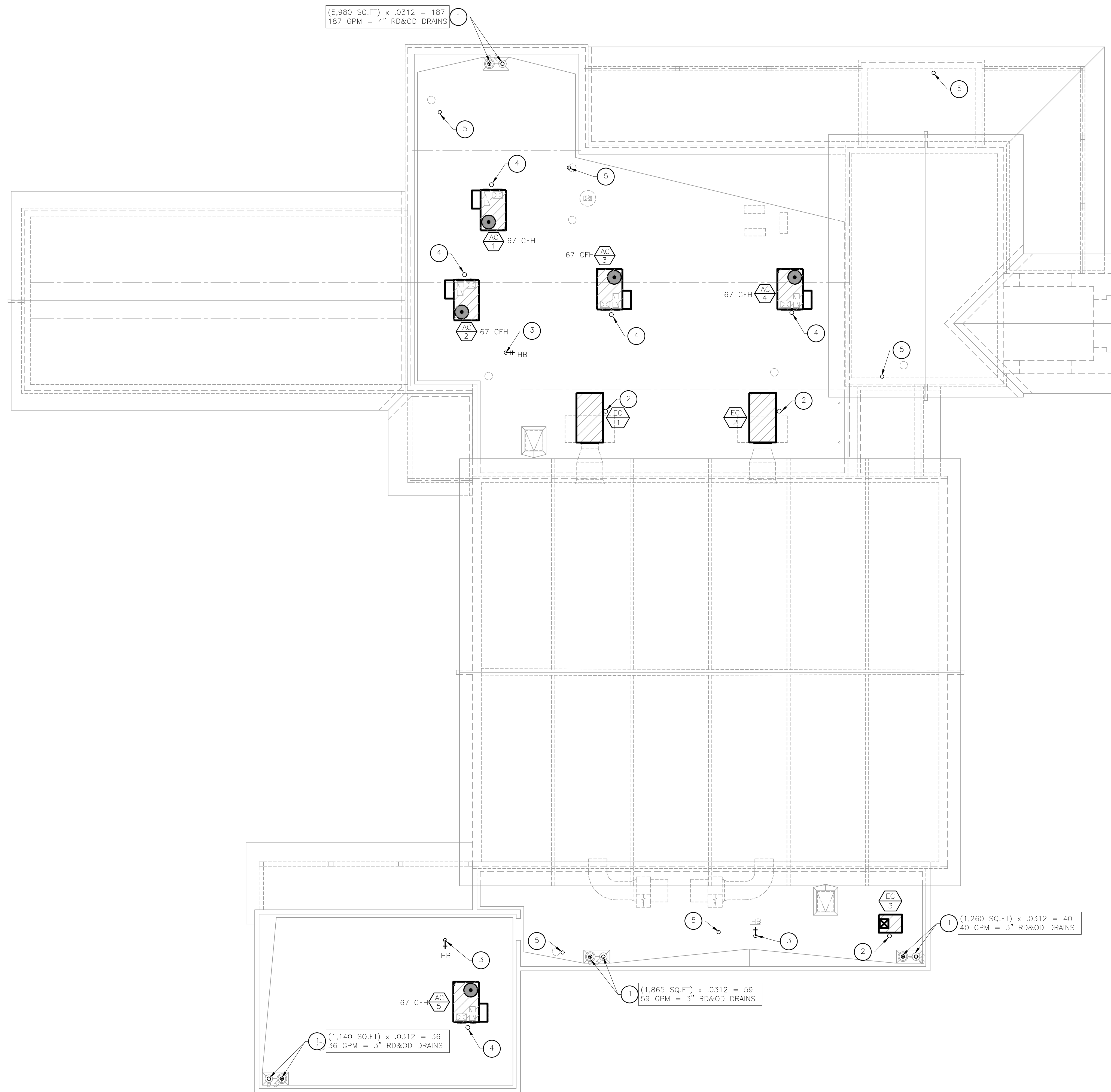
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1 PLUMBING FLOOR PLAN - DOMESTIC WATER
SCALE: 1/8" = 1'-0"

FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

OFFICE OF THE CITY ENGINEER

CITY OF PHOENIX



- # KEYED NOTES:**
1. RDL AND ODL MOUNTED IN ROOF, SIZED @ 3" RAINFALL PER HOUR AND 1/8" PER FOOT SLOPE.
 2. 1/2" CW UP FROM BELOW TO EVAP COOLER MOUNTED ON ROOF. PROVIDE SHUT-OFF VALVE AND UNION AT EQUIPMENT CONNECTION. COORDINATE EXCAT LOCATION FOR CONNECTION WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLING.
 3. 3/4" CW UP TO FREEZE PROOF ROOF MOUNTED HOSE BIBB.
 4. GAS UP FROM BELOW TO MECHANICAL EQUIPMENT. PROVIDE DIRT LEG, SHUT-OFF AVAKVE AND UNION AT EQUIPMENT CONNECTION. COORDINATE EXACT LOCATION OF CONNECTION WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLING. REFER TO GAS CONNECTION DETAIL 5 ON P501.
 5. SANITARY SEWER VENT THROUGH ROOF. SHALL BE A MINIMUM OF 10'-0" FROM ANY OUTSIDE AIR INTAKE INTO BUILDING.

Revisions	Date
△ CITY COMMENTS	3/10/24



Designed By:
CR / PN

Drawn By:
CR / PN

Checked By:
GJJ

Date:
12/14/2023

Phase:
PERMIT

Perlman
Architects of Arizona
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480.951.5900 480.951.3045 f
perlmanaz.com

Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**

Index No:
FD57100020-3

CITY OF PHOENIX

KIVA # **23-1810**
SDEV # **2300473**

PLUMBING ROOF PLAN
P3.01

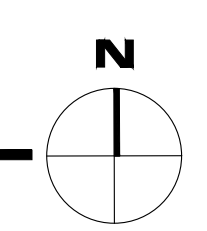
AME PROJECT #23-088

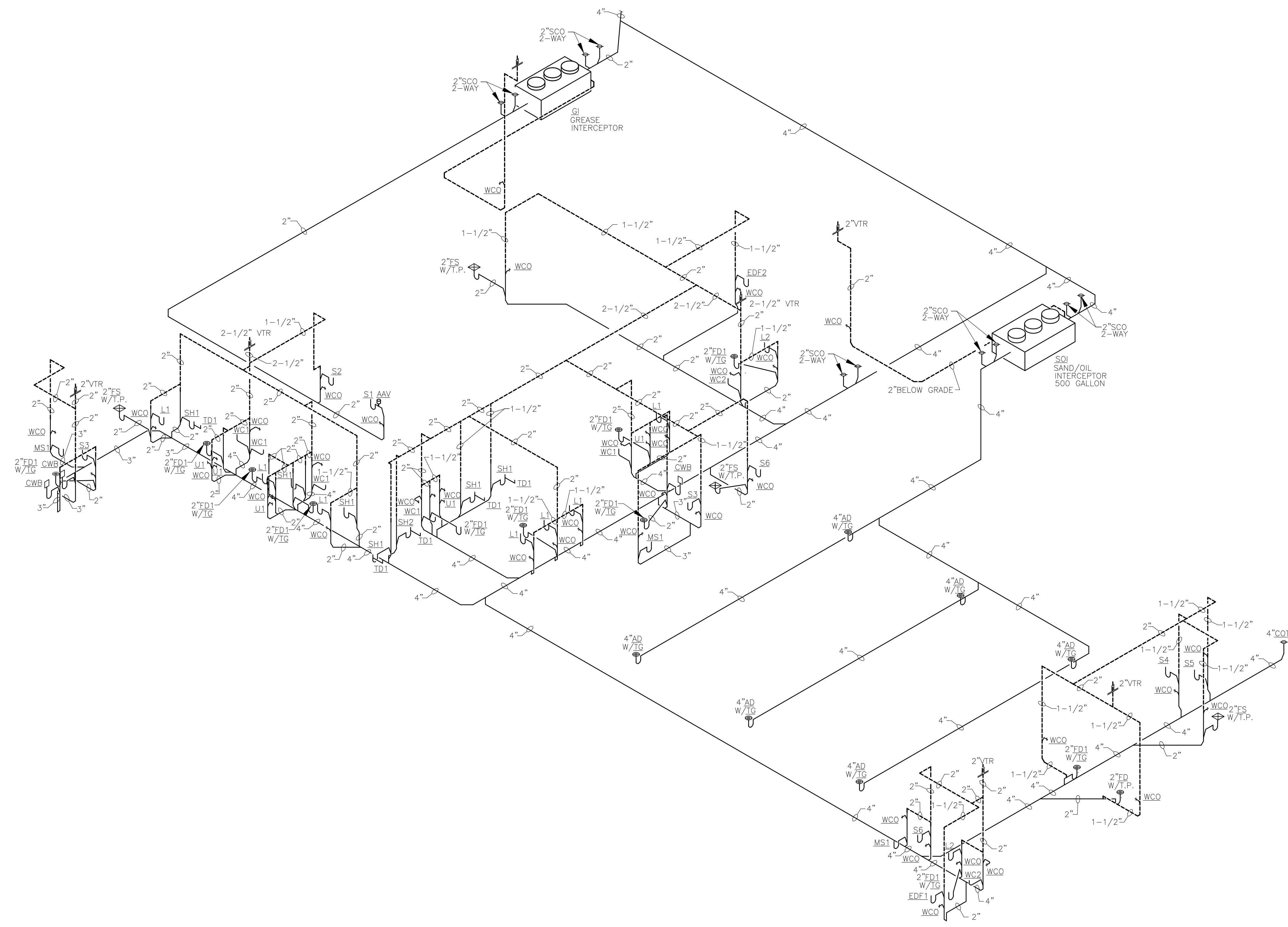
AME
CONSULTING ENGINEERS
MECHANICAL ▽ PLUMBING

ASSOCIATED MECHANICAL ENGINEERS, PLLC
1121 W. Warner Rd., Suite 107
Tempe, AZ 85284
480.966.3996 Phone

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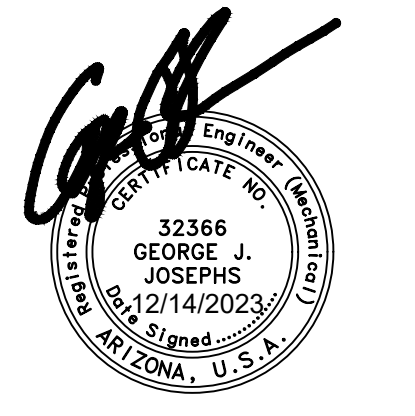
1 PLUMBING ROOF PLAN
SCALE: 1/8" = 1'-0"





1 WASTE AND VENT SCHEMATIC
N.T.S.

Revisions	Date
△ CITY COMMENTS	3/10/24



Designed By:
CR / PN

Drawn By:
CR / PN

Checked By:
GJJ

Date:
12/14/2023

Phase:
PERMIT

Perlman
Architects of Arizona
2929 North Central Avenue, Suite # 1600
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480.951.1590 480.951.3045 f
perlmanaz.com

Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**

Index No:
FD57100020-3

CITY OF PHOENIX

OFFICE OF THE CITY ENGINEER

FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

KIVA # **23-1810**
SDEV # **2300473**

PLUMBING
SCHEMATICS
P4.01

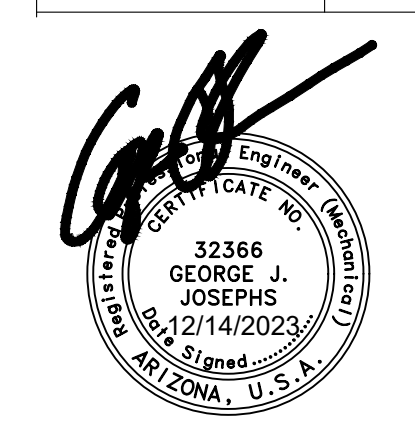
AME PROJECT #23-088

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Revisions	Date
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Designed By:
CR / PN

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Phase:
PERMIT

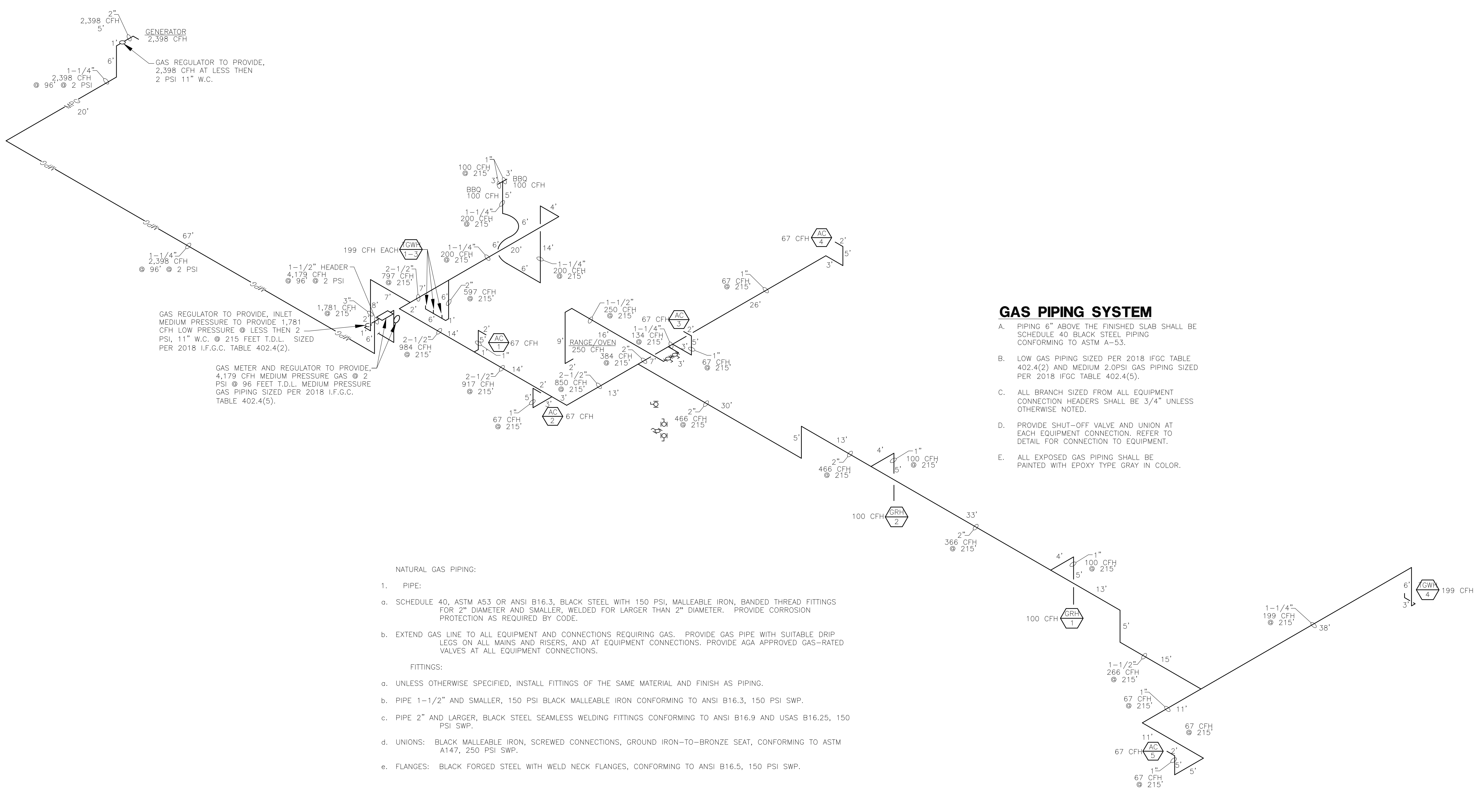
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Title:
**FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045**
Index No: **FD57100020-3**

CITY OF PHOENIX

KIVA # **23-1810**
SDEV # **2300473**

PLUMBING
SCHEMATICS
P4.02



GAS PIPING SYSTEM

- A. PIPING 6" ABOVE THE FINISHED SLAB SHALL BE SCHEDULE 40 BLACK STEEL PIPING CONFORMING TO ASTM A-53.
- B. LOW GAS PIPING SIZED PER 2018 IFGC TABLE 402.4(2) AND MEDIUM 2.0PSI GAS PIPING SIZED PER 2018 IFGC TABLE 402.4(5).
- C. ALL BRANCH SIZED FROM ALL EQUIPMENT CONNECTION HEADERS SHALL BE 3/4" UNLESS OTHERWISE NOTED.
- D. PROVIDE SHUT-OFF VALVE AND UNION AT EACH EQUIPMENT CONNECTION. REFER TO DETAIL FOR CONNECTION TO EQUIPMENT.
- E. ALL EXPOSED GAS PIPING SHALL BE PAINTED WITH EPOXY TYPE GRAY IN COLOR.

NATURAL GAS PIPING:

1. PIPE:
 - a. SCHEDULE 40, ASTM A53 OR ANSI B16.3, BLACK STEEL WITH 150 PSI, MALLEABLE IRON, BANDED THREAD FITTINGS FOR 2" DIAMETER AND SMALLER, WELDED FOR LARGER THAN 2" DIAMETER. PROVIDE CORROSION PROTECTION AS REQUIRED BY CODE.
 - b. EXTEND GAS LINE TO ALL EQUIPMENT AND CONNECTIONS REQUIRING GAS. PROVIDE GAS PIPE WITH SUITABLE DRIP LEGS ON ALL MAINS AND RISERS, AND AT EQUIPMENT CONNECTIONS. PROVIDE AGA APPROVED GAS-RATED VALVES AT ALL EQUIPMENT CONNECTIONS.
- FITTINGS:
 - a. UNLESS OTHERWISE SPECIFIED, INSTALL FITTINGS OF THE SAME MATERIAL AND FINISH AS PIPING.
 - b. PIPE 1-1/2" AND SMALLER, 150 PSI BLACK MALLEABLE IRON CONFORMING TO ANSI B16.3, 150 PSI SWP.
 - c. PIPE 2" AND LARGER, BLACK STEEL SEAMLESS WELDING FITTINGS CONFORMING TO ANSI B16.9 AND USAS B16.25, 150 PSI SWP.
 - d. UNIONS: BLACK MALLEABLE IRON, SCREWED CONNECTIONS, GROUND IRON-TO-BRONZE SEAT, CONFORMING TO ASTM A147, 250 PSI SWP.
 - e. FLANGES: BLACK FORGED STEEL WITH WELD NECK FLANGES, CONFORMING TO ANSI B16.5, 150 PSI SWP.

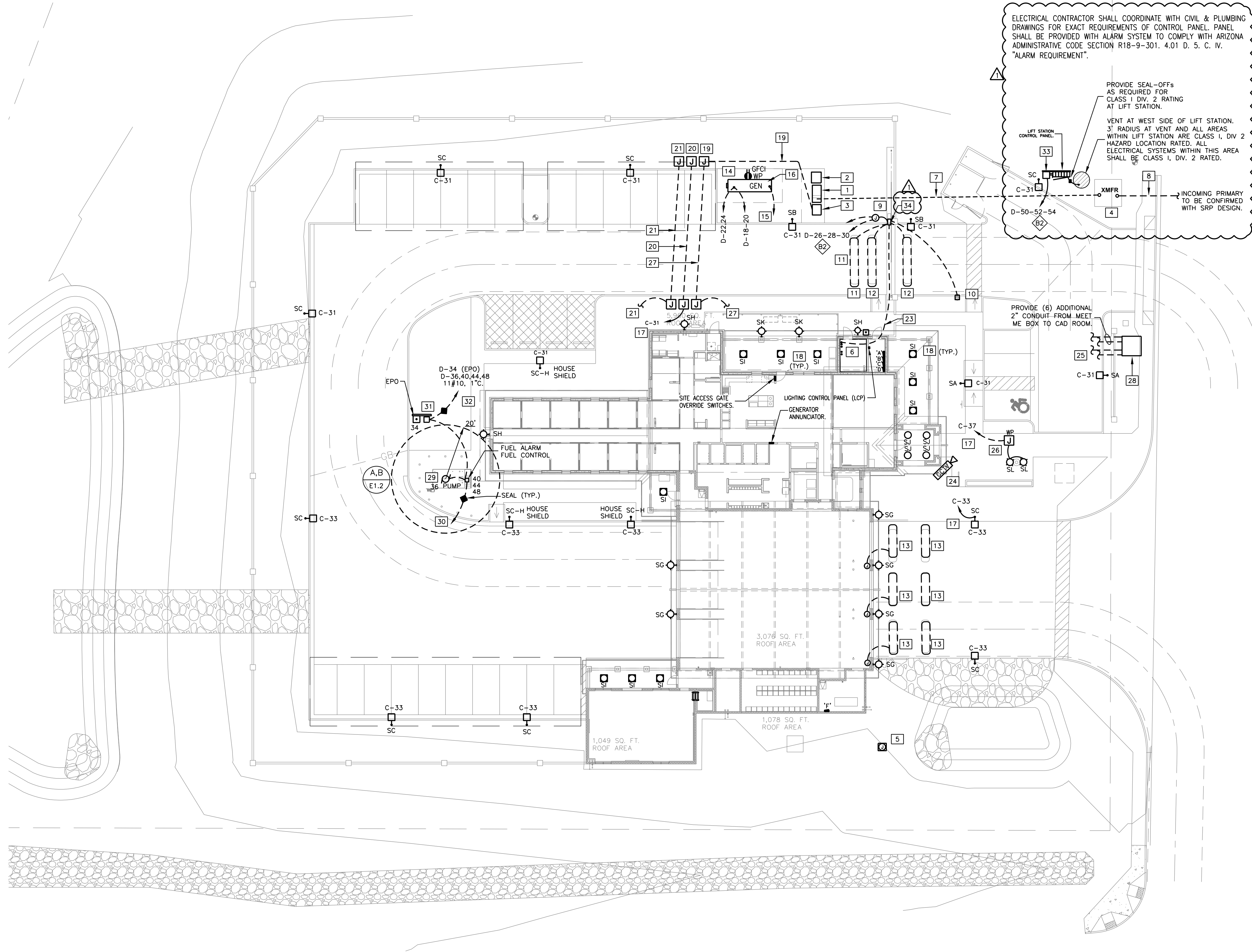
GAS SCHEMATIC
N.T.S.

AME PROJECT #23-088

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ELECTRICAL CONTRACTOR SHALL COORDINATE WITH CIVIL & PLUMBING DRAWINGS FOR EXACT REQUIREMENTS OF CONTROL PANEL. PANEL SHALL BE PROVIDED WITH ALARM SYSTEM TO COMPLY WITH ARIZONA ADMINISTRATIVE CODE SECTION R18-9-301. 4.01 D. 5. C. IV. "ALARM REQUIREMENT".

PROVIDE SEAL-OFFS AS REQUIRED FOR CLASS 1 DIV. 2 RATING AT LIFT STATION.

VENT AT WEST SIDE OF LIFT STATION. 3' RADIUS AT VENT AND ALL AREAS WITHIN LIFT STATION ARE CLASS 1, DIV 2 HAZARD LOCATION RATED. ALL ELECTRICAL SYSTEMS WITHIN THIS AREA SHALL BE CLASS 1, DIV. 2 RATED.

INCOMING PRIMARY TO BE CONFIRMED WITH SRP DESIGN.

PROVIDE (6) ADDITIONAL 2" CONDUIT FROM MEET ME BOX TO CAD ROOM.

- KEY NOTES**
- SERVICE ENTRANCE SECTION ON CONCRETE PAD PER SRP REQUIREMENTS. REFER TO ONE LINE DIAGRAM ON SHEET E5.1. PRIOR TO CONSTRUCTION, OBTAIN APPROVAL OF LOCATION OF SES FROM POWER COMPANY. ARRANGE PULL SECTION IN ORDER TO ACHIEVE 25 FEET MINIMUM OF CONDUCTOR LENGTH BETWEEN POWER COMPANY SECONDARY AND LANDING LUGS IN PULL SECTION.
 - AUTOMATIC TRANSFER SWITCH. REFER TO ONE LINE DIAGRAM ON SHEET E5.1.
 - DISTRIBUTION SECTION DS-1. REFER TO ONE LINE DIAGRAM ON SHEET E5.1.
 - PROPOSED LOCATION OF UTILITY COMPANY TRANSFORMER. PROVIDE TRANSFORMER PAD PER POWER COMPANY. FIELD VERIFY EXACT LOCATION WITH POWER COMPANY. PROVIDE PRIMARY CONDUITS FOR NEW POWER COMPANY TRANSFORMER. COORDINATE WITH CIVIL AND SRP.
 - PROVIDE (2) IN-GROUND, WP, PULL BOX AND 1" CONDUIT FOR POWER TO FUTURE LANDSCAPE LIGHTS. COORDINATE WITH LANDSCAPE & ARCHITECT PRIOR TO ROUGH IN.
 - APPROXIMATE LOCATION OF TELEPHONE, CABLE AND DATA EQUIPMENT MOUNTING BOARD. REFER TO SHEET E3.2 FOR ADDITIONAL INFORMATION. PROVIDE TWO 4" CONDUITS TO TELEPHONE COMPANY PEDESTAL. PROVIDE TWO 4" CONDUITS TO CABLE COMPANY POINT OF CONNECTION. COORDINATE WITH RESPECTIVE UTILITY COMPANY FOR POINTS OF CONNECTION. STUB UP CONDUITS 6" ABOVE FINISHED FLOOR IN IT/CAD ROOM.
 - SECONDARY CONDUITS FROM UTILITY TRANSFORMER TO BUILDING SES. SECONDARY CONDUITS TO BE BURIED 36" FROM FINISH GRADE. REFER TO ONE LINE DIAGRAM ON SHEET E5.1 FOR ADDITIONAL INFORMATION.
 - POWER COMPANY PRIMARY CONDUITS FROM UTILITY PRIMARY POINT OF CONNECTION TO UTILITY TRANSFORMER. PRIMARY CONDUITS TO BE BURIED. COORDINATE WITH SRP AS REQUIRED. ALLOW FOR 600' PER RUN.
 - GATE OPERATOR. PROVIDE IN-GRADE PULL-BOX AND CONNECTION TO SMART TOUCH CONTROL PANEL, DRIVE RAIL, TRAVEL STOPS, PHOTO EYES, SAFETY EDGE, LOOPS, KEYPAD, OPTICON PHOTO-SENSOR, LIMIT SWITCHES, ETC. AS REQUIRED. PROVIDE CONCRETE BASE PER MFR'S RECOMMENDATION. PROVIDE 1" CONDUIT AND CONNECTION TO OVERRIDE SWITCH IN DINING AREA. REFER TO SHEET E3.2.
 - GATE KEYPAD. PROVIDE 1" CONDUIT AND CONNECTION TO GATE OPERATOR PER MANUFACTURER'S RECOMMENDATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR INSTALLATION AND ADDITIONAL DETAILS.
 - FREE EXIT LOOP #12 TWISTED STRANDED WIRE WITH DIRECT BURIAL JACKET.
 - OBSTRUCTION LOOP: #12 TWISTED STRANDED WIRE WITH DIRECT BURIAL JACKET.
 - OBSTRUCTION LOOP: #12 TWISTED STRANDED WIRE WITH DIRECT BURIAL JACKET IN 3/4" CONDUIT. REFER TO OVERHEAD DOOR WIRING DIAGRAM ON SHEET E5.3 FOR ADDITIONAL INFORMATION. COORDINATE FINAL LOCATION WITH PROJECT MANAGER.
 - PROVIDE CONNECTION TO GENERATOR JACKET HEATER, CHARGER AND RECEPTACLE.
 - PROVIDE 1" CONDUIT WITH PULL STRING AND ANNUNCIATOR CABLE TO GENERATOR ANNUNCIATOR PANEL AND PROVIDE CONDUIT BETWEEN GENERATORS. SEE SHEET E3.2.
 - ENGINE GENERATORS AND SOUND ATTENUATED WEATHERPROOF HOUSING. REFER TO ONE LINE DIAGRAM AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - ROUTE LIGHTING CIRCUIT VIA LIGHTING CONTACTOR. REFER TO SHEET E1.3 FOR ADDITIONAL INFORMATION. CIRCUITING SHALL NOT VARY FROM THAT SHOWN ON PLAN WITHOUT APPROVAL FROM PROJECT COORDINATOR.
 - SEE SHEETS E2.1 & 2.2 FOR LIGHTING FIXTURE CIRCUIT(S).
 - PROVIDE 2" CONDUIT WITH PULL-STRING TO IN-GROUND J-BOX FOR POWER TO FUTURE PHOTO VOLTAIC SYSTEM.
 - PROVIDE 2" CONDUIT WITH PULL-STRING TO IN-GROUND J-BOX FOR POWER TO FUTURE PARKING CANOPIES.
 - PROVIDE IN-GROUND PULL-BOX FOR FUTURE CONNECTION TO FUTURE EV CHARGING STATION. PROVIDE 1" CONDUIT WITH PULL STRING TO PANEL 'D'.
 - NOTE NOT USED.
 - PROVIDE (1) 2" CONDUIT WITH PULL-STRING TO IT/CAD ROOM FOR GATE OPERATOR COMMUNICATION. COORDINATE FINAL ROUGH-IN AT GATE OPERATOR AND IT/CAD ROOM WITH INSTALLER AND PROJECT MANAGER.
 - OWNER SECURITY CAMERA SHOWN FOR REFERENCE ONLY. REFER TO SHEET E4.1 FOR ADDITIONAL INFORMATION AND LAYOUTS.
 - PROVIDE (2) NEW 2" UNDERGROUND CONDUITS FROM EXISTING FIBER HANDHOLE TO IT/CAD ROOM. REFER TO CIVIL DRAWINGS FOR LOCATIONS.
 - PROVIDE IN-GROUND PULL BOX FOR CONNECTION TO FLAGPOLE LIGHTING FIXTURE. COORDINATE FINAL REQUIREMENTS WITH GENERAL CONTRACTOR AND FINAL SELECTED FLAG POLE AND ASSEMBLY.
 - PROVIDE ONE 1" EMPTY CONDUIT WITH NYLON PULL STRING FROM IN-GROUND J-BOX TO IT/CAD ROOM TO FUTURE P.V. SYSTEM MONITORING.
 - PROVIDE #9 PULL BOX. COORDINATE WITH CIVIL AND TRAFFIC CONTROL PLANS.
 - PROVIDE THREADED CONDUIT PER NEC 514.8. SEAL CONDUIT AT DISPENSER PER NEC 514.9. PROVIDE CONNECTION TO PUMP PER MANUFACTURER'S REQUIREMENTS. SEE TYPICAL CLASSIFICATION AND CLEARANCE DETAILS 'A' AND 'B', SHEET E1.2 FOR ADDITIONAL INFORMATION.
 - PROVIDE (4) 1.5" CONDUITS WITH PULL-STRING TO IT/CAD ROOM FOR FUEL SYSTEM COMMUNICATION AND LEAK DETECTION. COORDINATE FINAL ROUGH-IN AT TANK AND IT/CAD ROOM WITH INSTALLER AND PROJECT MANAGER.
 - PROVIDE WEATHERPROOF PULL-BOX WITH CONTACTOR WITH 120V COIL FOR EMERGENCY FUEL SYSTEM SHUT-OFF. PROVIDE LOW VOLTAGE CONTACTS WITH 120V CONTROL RELAY (OR PROVIDE CONTROL TRANSFORMER FOR 12/24V CONTROL RELAY) TO COMPLY WITH NEC 514.11(A) LINE VOLTAGE AND LOW VOLTAGE/COMMUNICATION CIRCUITS EMERGENCY DISCONNECT. PROVIDE 120V FUEL SYSTEM WP EOP PUSH-BUTTON CONNECTED TO CONTACTOR. PROVIDE SWITCHED NEUTRAL BREAKERS AT PANEL PER NEC 514.11(A) AND 514.11(C). LABEL EPO 'EMERGENCY FUEL PUMP SHUTOFF.' PROVIDE ON CONCRETE PAD WITH STRUT FRAME. MOUNT SIGN ON STRUT - FACING DRIVE.
 - POWER AND COMMUNICATION TO FUEL DISPENSER. CONFIRM ALL REQUIREMENTS WITH PROJECT MANAGER PRIOR TO ROUGH IN.
 - LIFT STATION (3HP, 208V, 3ø, 7.4FLA) ELECTRICAL CONTRACTOR SHALL PROVIDE 30A/3P, 208V, HEAVY DUTY, NEMA 3R DISCONNECT. PROVIDE STRUT RACKING FOR DISCONNECT. ELECTRICAL CONTRACTOR TO ALLOW FOR FINAL CONNECTION. FUSE PER MANUFACTURER RECOMMENDATION.
 - PROVIDE KNOX KEY SWITCH. REFER TO ARCHITECTURAL DETAILS, SHEET A1.21 FOR ADDITIONAL INFORMATION.

- GENERAL NOTES**
- COORDINATE ALL SITE TRENCHING AND ROUTING OF CONDUITS WITH GENERAL CONTRACTOR/OWNER PRIOR TO COMMENCEMENT OF WORK TO AVOID EXISTING UNDERGROUND UTILITIES AND CONDITIONS.
 - PROVIDE #14 COPPER INSULATED TRACER WIRE SECURELY ATTACHED AT 8" ON CENTER OR WRAPPED AROUND NONMETALLIC CONDUITS AND LINES AND HAVE 12" OF WIRE EXPOSED ON ONE END PER BLUE STAKE LAW ARS 40-360.
 - PROVIDE COMPLETE MANDREL TESTING OF ALL UNDERGROUND CONDUITS AND PROVIDE 250 POUND TENSILE STRENGTH MULE TAPE WITH TRACER WIRE.
 - PROVIDE 48"-36" SWEEPS ON CONDUIT RUNS WITH NO MORE THAN TWO 90 DEGREE SWEEPS PER RUN.
 - ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE REPRESENTATIVE UTILITY COMPANIES WITHIN (2) WEEKS OF AWARD OF CONTRACT AND SHALL FURNISH EACH REPRESENTATIVE (2) COMPLETE SETS OF CONSTRUCTION DOCUMENTS. VERIFY ALL TRENCH ROUTING, SERVICE LOCATIONS, ETC. WITH UTILITY COMPANY DESIGN CONSTRUCTION DRAWINGS AND SPECIFICATIONS PRIOR TO COMMENCING REQUIRED WORK.
 - SEE SHEET E0.1 FOR FEEDER SCHEDULE.
 - REFER TO SHEET E2.2 FOR LIGHTING FIXTURE SCHEDULE & IECC CALCULATIONS.

ELECTRICAL SITE PLAN
 SCALE: 1" = 20'-0"



Revisions	Date
CITY COMMENTS	3/10/24



Designed By:
 Drawn By:
 Checked By:
 Date: 12/14/2023
 Phase: PERMIT

Perlman
 Architects of Arizona
 2929 North Central Avenue, Suite # 1600
 Phoenix, Arizona 85012
 480.951.5900 perlmanaz.com

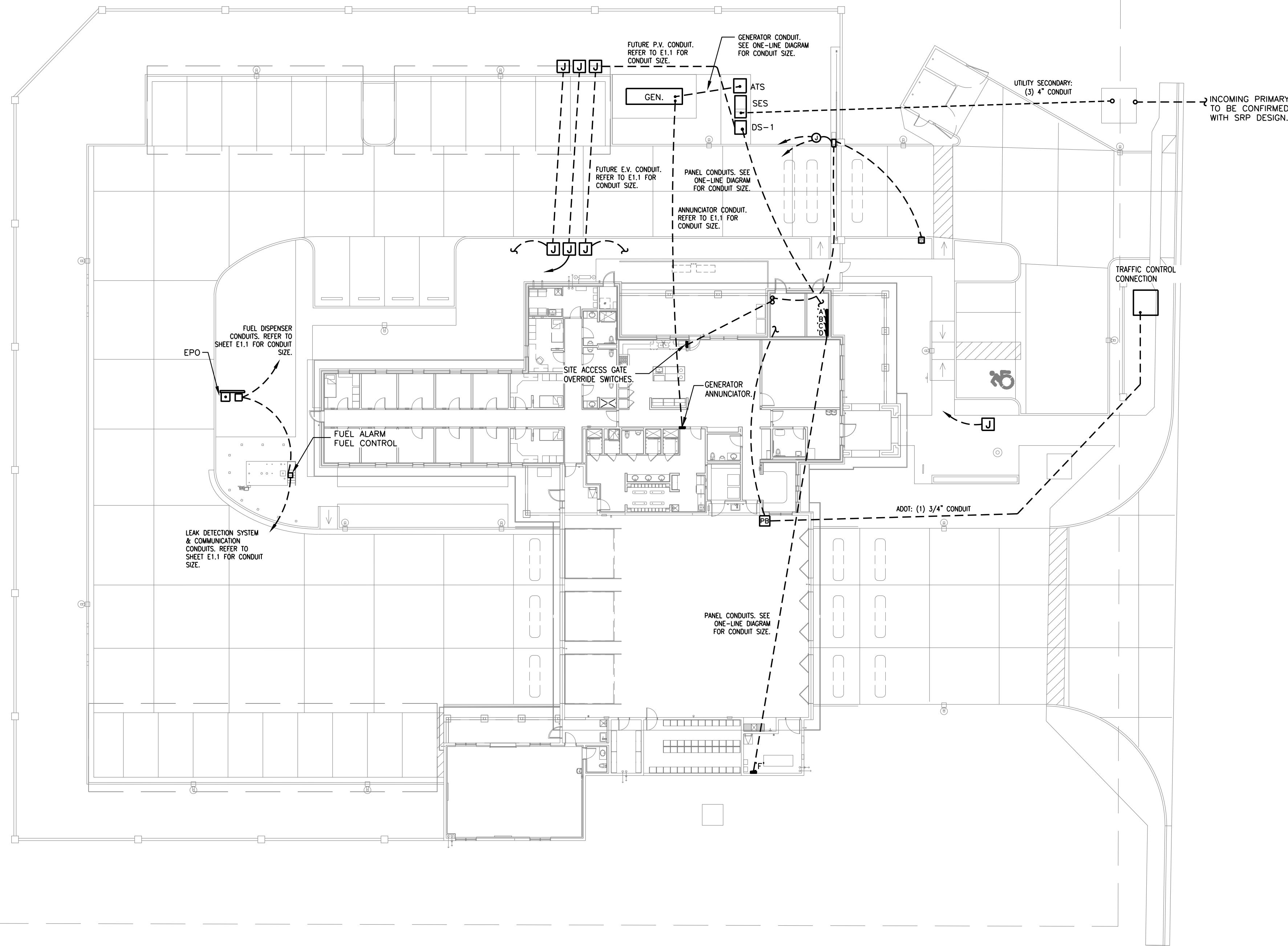
Title: **FIRE STATION #74**
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
 Index No: **FD57100020-3**

AKRIBIS
 ENGINEERING, L.L.C.
 3231 SOUTH COUNTRY CLUB WAY, STE. 102 TEMPE, ARIZONA 85282
 P: (602) 393-0201 F: (602) 393-0202
 DRAWN BY: SB CHECKED BY: SM JOB NUMBER: 23224
 FOR QUESTIONS PLEASE CALL: STEPHEN BENDER

KIVA # 23-1810
 SDEV # 2300473
 ELECTRICAL SITE PLAN
E1.1

Note:
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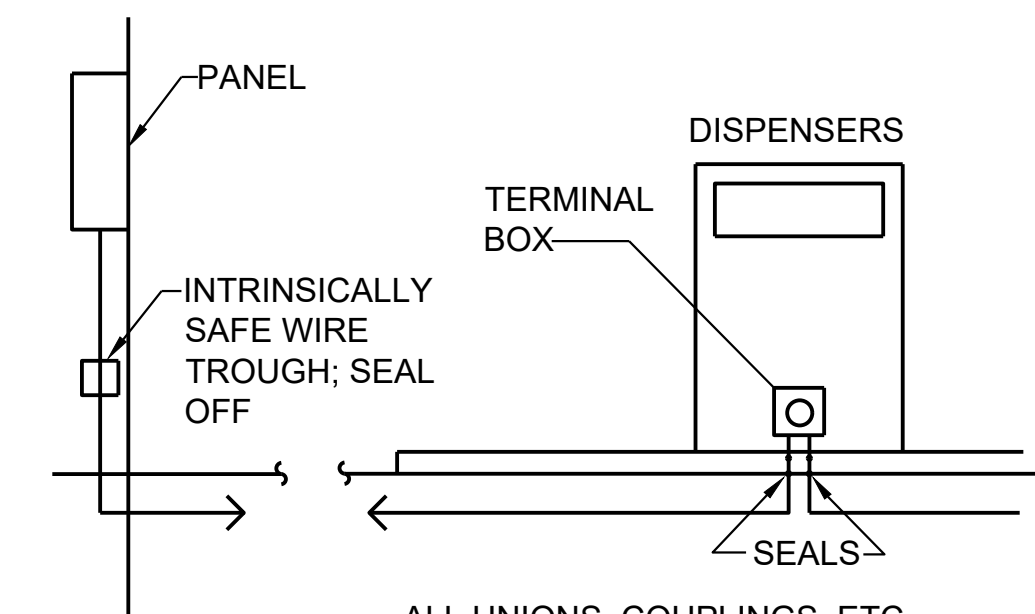
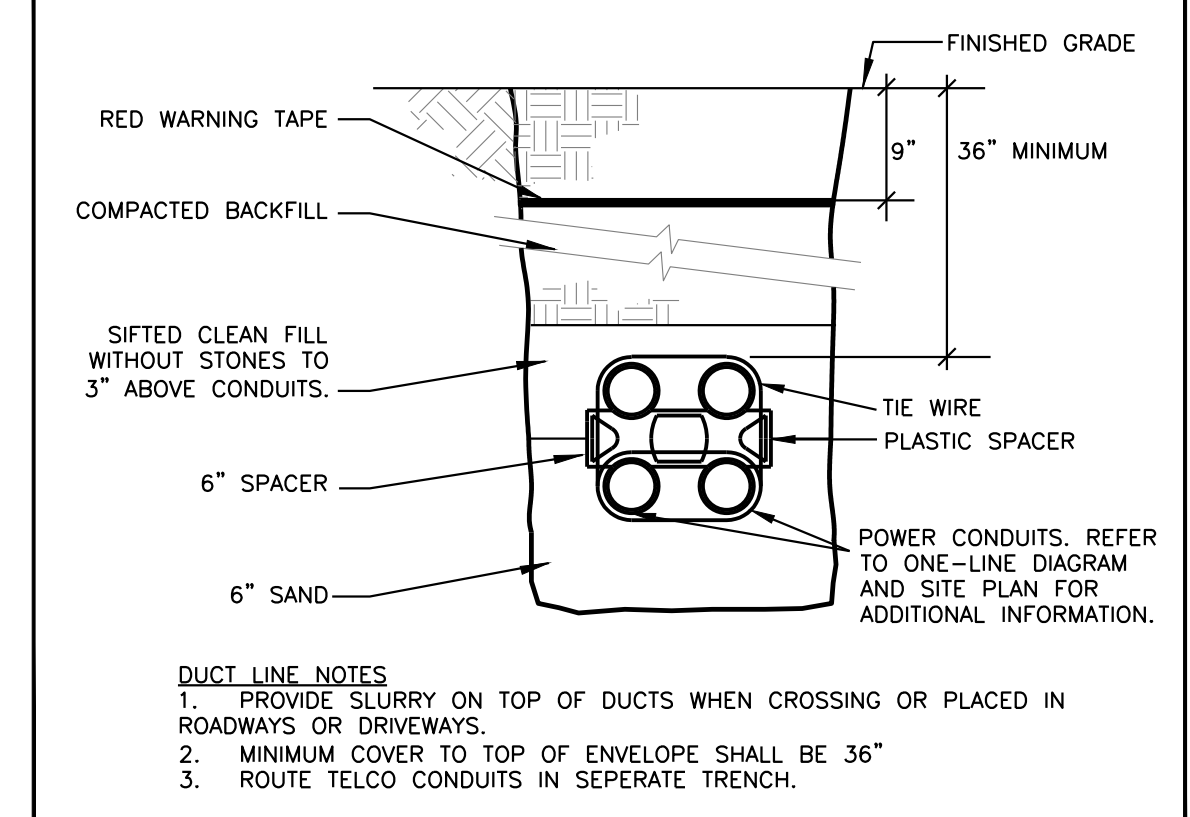


ELECTRICAL CONDUIT PLAN
 SCALE: 1" = 20'-0"

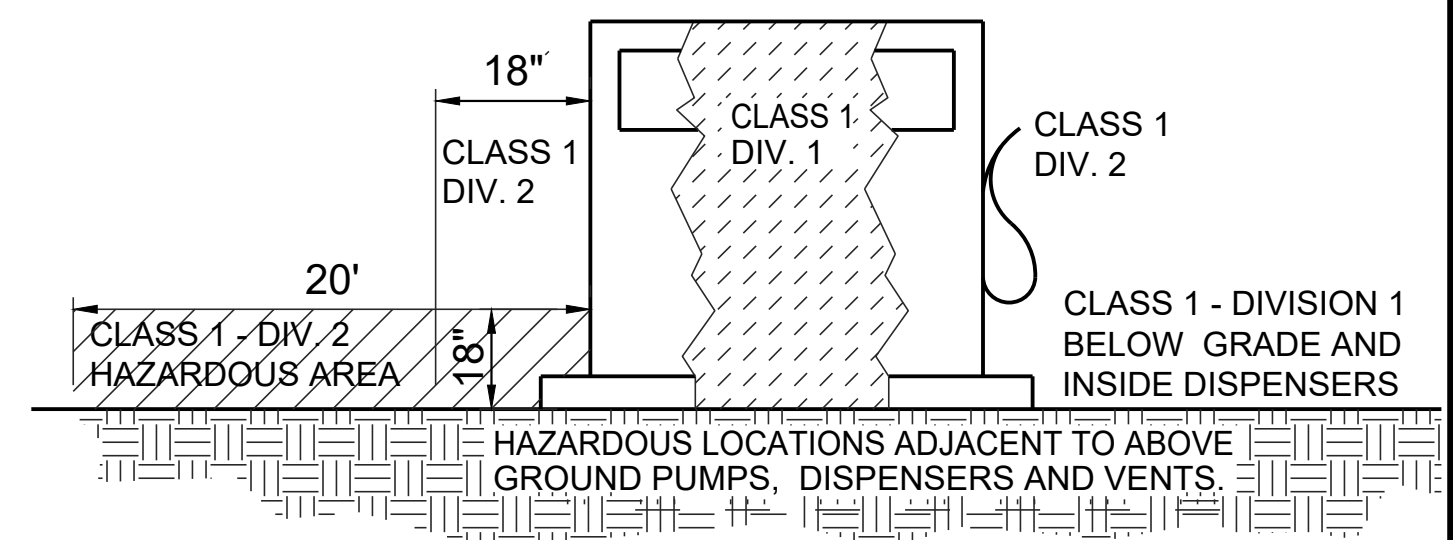
GENERAL NOTES

- COORDINATE ALL SITE TRENCHING AND ROUTING OF CONDUITS WITH GENERAL CONTRACTOR/OWNER PRIOR TO COMMENCEMENT OF WORK TO AVOID EXISTING UNDERGROUND UTILITIES AND CONDITIONS.
- PROVIDE SAW-CUT, BORING, AND TRENCHING AS REQUIRED TO COMPLETE SCOPE OF WORK SHOWN. RETURN ALL CONCRETE, ASPHALT AND EARTH GRADING BACK TO ORIGINAL OR MATCHING CONDITION. REFER TO TYPICAL TRENCH DETAIL FOR ADDITIONAL INFORMATION.
- PROVIDE #14 COPPER INSULATED TRACER WIRE SECURELY ATTACHED AT 8" ON CENTER OR WRAPPED AROUND NONMETALLIC CONDUITS AND LINES AND HAVE 12" OF WIRE EXPOSED ON ONE END PER BLUE STAKE LAW ARS 40-360.
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- PROVIDE 48"-36" SWEEPS ON CONDUIT RUNS WITH NO MORE THAN TWO 90 DEGREE SWEEPS PER RUN.

TYPICAL TRENCH DUCT DETAIL

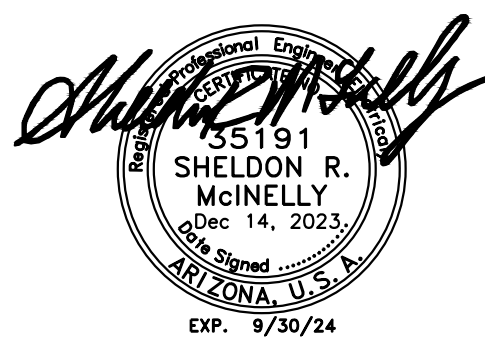


NEC ARTICLE 514.3(B)(1) - TYPICAL
 SCALE: NONE - SEALING AT DISPENSING APPARATUS



NEC ARTICLE 514 - TYPICAL
 SCALE: NONE - ABOVE GROUND MOTOR FUEL PUMPS TO DISPENSERS

Revisions	Date



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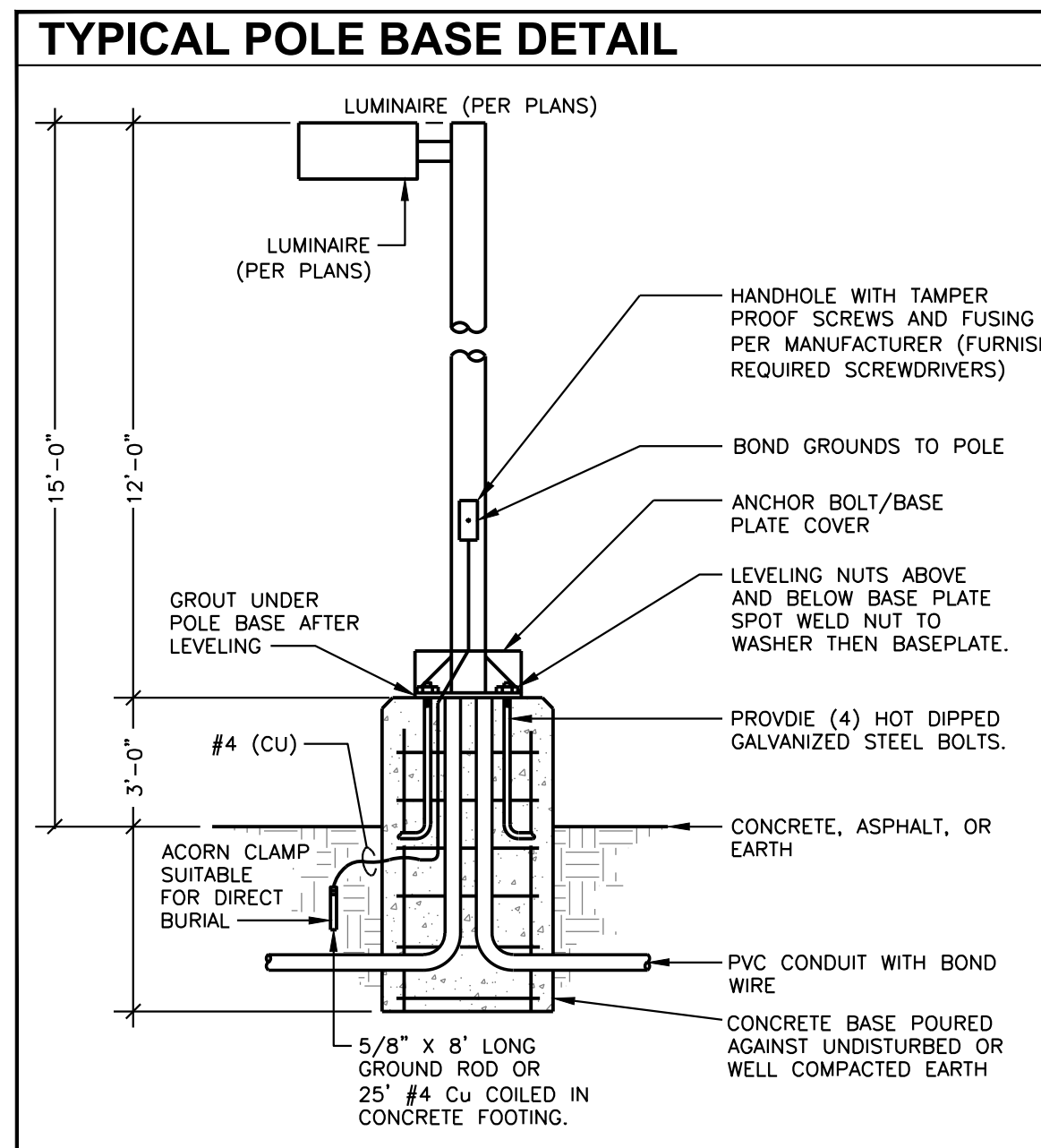
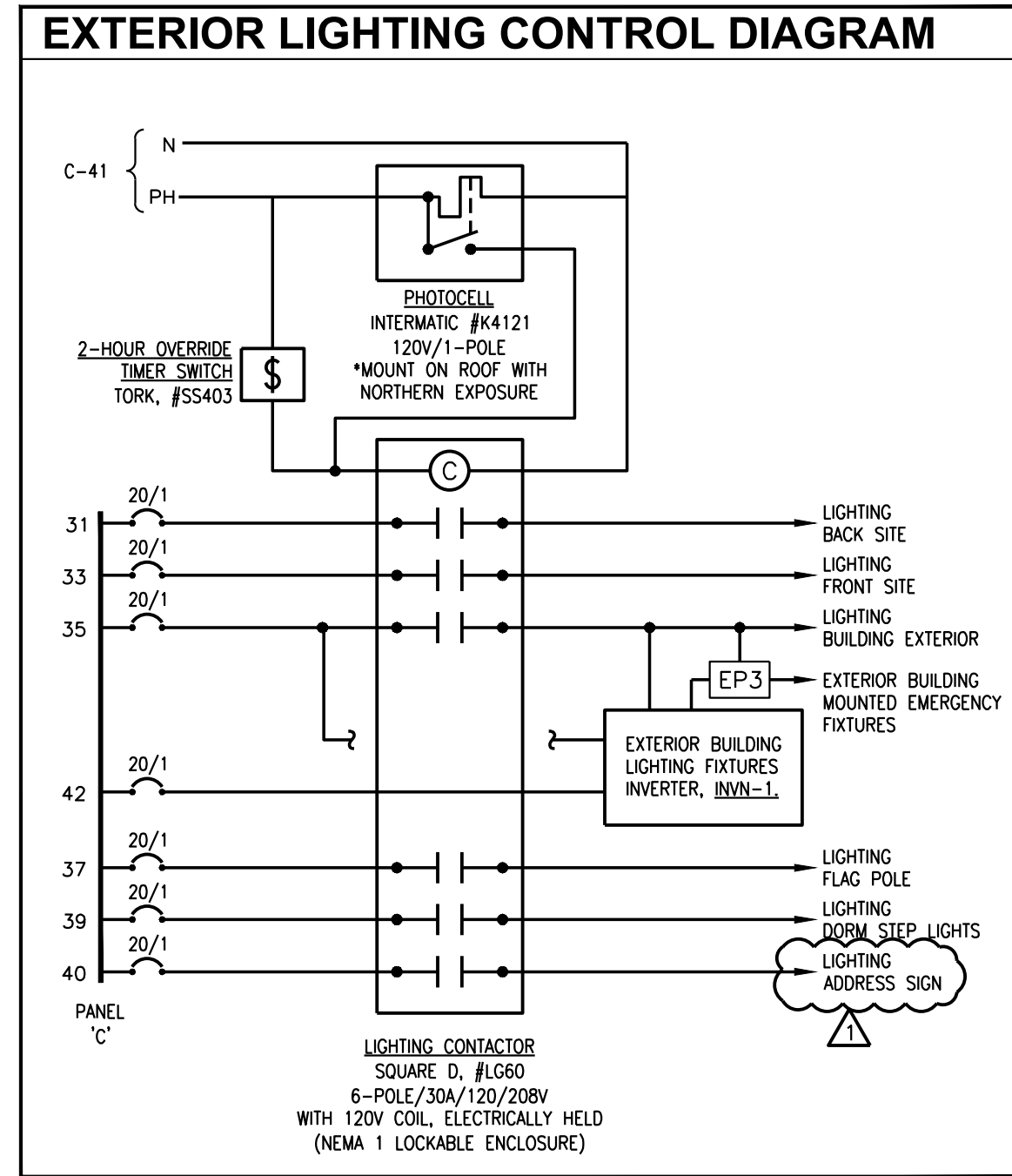
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ELECTRICAL CONDUIT PLAN
E1.2



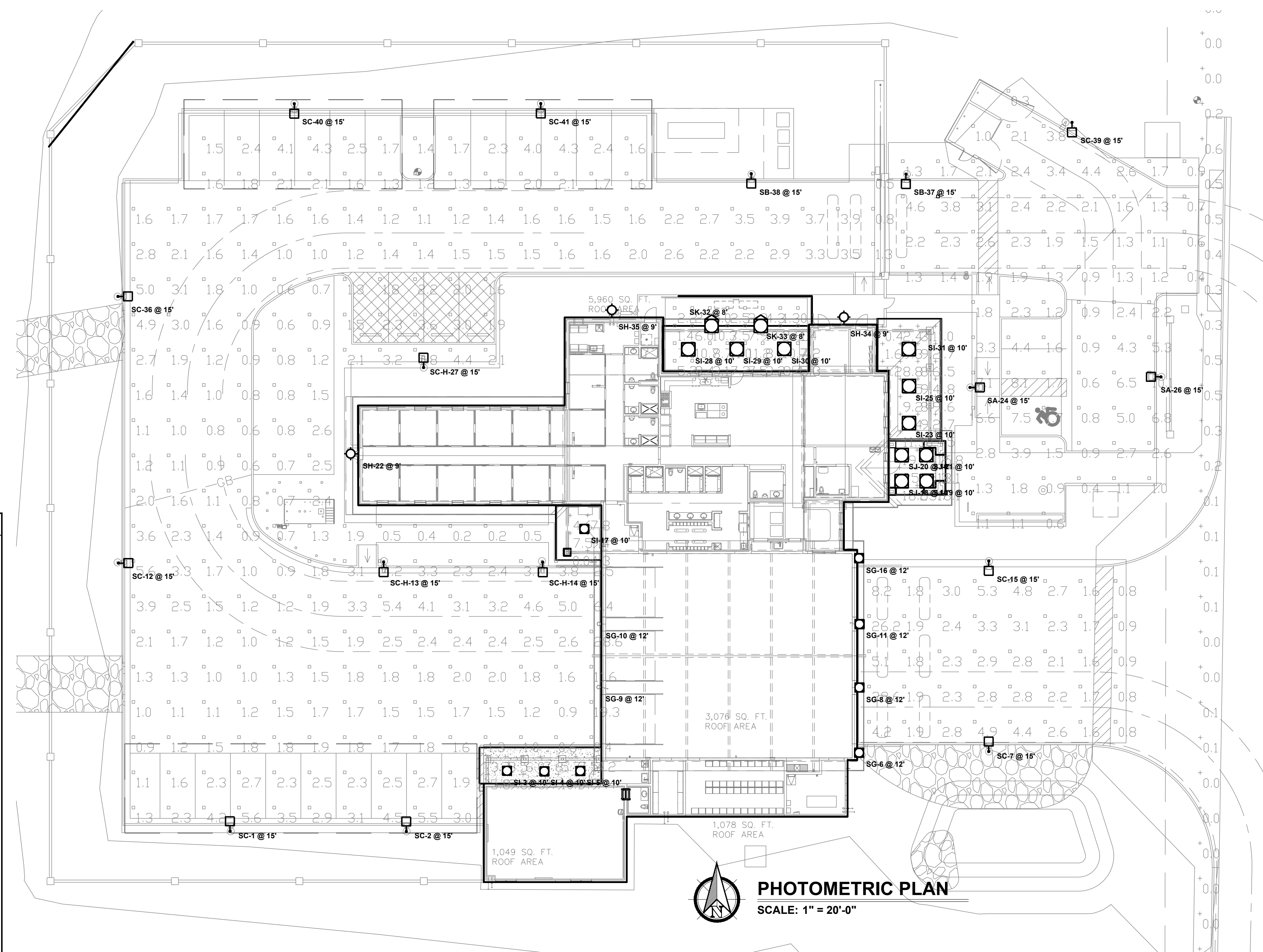
CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL

Luminaire Locations						
No.	Label	X	Y	Z	MH	Orientation
2	SC	101.44	14.48	15.00	15'	0.00
3	SI	129.92	31.67	10.00	10'	0.00
4	SI	140.42	31.67	10.00	10'	0.00
5	SI	150.67	31.67	10.00	10'	0.00
6	SG	229.52	36.83	12.00	12'	90.00
7	SC	266.81	37.08	15.00	15'	0.00
8	SG	229.52	55.22	12.00	12'	90.00
9	SG	156.56	55.39	12.00	12'	270.00
10	SG	156.63	73.33	12.00	12'	270.00
11	SG	229.50	73.37	12.00	12'	90.00
12	SC	19.76	90.55	15.00	15'	90.00
13	SC-H	94.97	90.94	15.00	15'	180.00
14	SC-H	140.13	90.94	15.00	15'	180.00
15	SC	266.81	91.17	15.00	15'	180.00
16	SG	229.49	91.86	12.00	12'	90.00
17	SI	151.94	100.38	10.00	10'	0.00
18	SJ	242.09	113.87	10.00	10'	0.00
19	SJ	249.09	113.87	10.00	10'	0.00
20	SJ	242.09	121.28	10.00	10'	0.00
21	SJ	249.09	121.28	10.00	10'	0.00
22	SH	87.22	121.67	9.00	9'	270.00
23	SI	244.05	130.34	10.00	10'	0.00
24	SA	261.49	140.43	15.00	15'	90.00
25	SI	244.05	140.83	10.00	10'	0.00
26	SA	315.72	143.46	15.00	15'	270.00
27	SC-H	106.27	146.20	15.00	15'	0.00
28	SI	181.50	151.29	10.00	10'	0.00
29	SI	195.25	151.29	10.00	10'	0.00
30	SI	208.85	151.29	10.00	10'	0.00
31	SI	244.05	151.34	10.00	10'	0.00
32	SK	188.10	157.94	8.00	8'	0.00
33	SK	202.08	157.94	8.00	8'	0.00
34	SH	225.47	158.85	9.00	9'	0.00
35	SH	159.63	160.87	9.00	9'	0.00
36	SC	19.53	166.31	15.00	15'	90.00
37	SB	243.25	201.06	15.00	15'	180.00
38	SB	199.37	201.09	15.00	15'	180.00
39	SC	290.52	215.73	15.00	15'	180.00
40	SC	69.57	221.07	15.00	15'	180.00
41	SC	139.55	221.07	15.00	15'	180.00
1	SC	51.44	14.48	15.00	15'	0.00



Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
entrance patio	+	5.5 fc	11.3 fc	0.4 fc	28.3:1	13.8:1
fitness patio	+	7.5 fc	10.1 fc	3.7 fc	2.7:1	2.0:1
FRONT	□	2.5 fc	10.1 fc	0.3 fc	33.7:1	8.3:1
front apron	□	3.9 fc	28.6 fc	0.8 fc	35.8:1	4.9:1
KITCHEN PATIO	+	6.1 fc	11.2 fc	0.1 fc	112.0:1	61.0:1
main entrance	+	20.7 fc	25.3 fc	15.8 fc	1.6:1	1.3:1
property line	+	0.2 fc	0.6 fc	0.0 fc	N/A	N/A
REAR PARKING	+	2.2 fc	28.6 fc	0.2 fc	143.0:1	11.0:1
back patio	+	5.6 fc	9.4 fc	0.0 fc	N/A	N/A



Schedule

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Light Loss Factor	Wattage
□	SA	2	Lithonia Lighting	RSX1 LED P1 30K R2	RSX Area Luminaire Size 1 P1 Lumen Package 3000K CCT Type R2 Distribution	RSX1_LED_P1_30K_R2.es	0.95	51.3435
□	SB	2	Lithonia Lighting	RSX1 LED P1 30K R3	RSX Area Fixture Size 1 P1 Lumen Package 3000K CCT Type R3 Distribution	RSX1_LED_P1_30K_R3.es	0.95	51.34
□	SC	9	Lithonia Lighting	RSX1 LED P1 30K R4	RSX Area Fixture Size 1 P1 Lumen Package 3000K CCT Type R4 Distribution	RSX1_LED_P1_30K_R4.es	0.95	51.34
□	SC-H	3	Lithonia Lighting	RSX1 LED P1 40K R4 EGS	RSX Area Fixture Size 1 P1 Lumen Package 4000K CCT Type R4 Distribution with EGS Shield	RSX1_LED_P1_40K_R4_EGS.es	0.95	51.3435
○	SG	6	Gothan Architectural Lighting - Wall Cylinder	EVD6WC 40/35 AR MD	LEDV6 6IN ROUND CYLINDER, WALL MOUNT, 80 CRI, 4000K, 3500LM, MED DIST, CLEAR, SPECULAR	EVD6WC_40_35_AR_MD_LS.es	0.95	33.8
□	SH	3	Lithonia Lighting	WDGE2 LED P3 40K 70CRI T3M	WDGE2 LED WITH P3 - PERFORMANCE PACKAGE, 4000K, 70CRI, TYPE 3 MEDIUM OPTIC	WDGE2_LED_P3_40K_70CRI_T3M.es	0.95	32.1375
○	SI	10	Gothan Architectural Lighting - covered area pendant	EVD6PC 40/15 AR MWD 90CRI	LEDV6 6IN CYLINDER, PENDANT STEM, 90 CRI, 4000K, 1500LM, MED WIDE DIST, CLEAR, MATTE DIFFUSE	EVD6PC_40_15_AR_MWD_LD_90CRI.es	0.95	14.7
○	SJ	4	Gothan Architectural Lighting - Entry Pendant	EVD6PC 40/15 AR MD LSS	LEDV6 6IN ROUND CYLINDER, PENDANT STEM, 80 CRI, 4000K, 1500LM, MED DIST, CLEAR, SEMI-SPEC	EVD6PC_40_15_AR_MD_LSS.es	0.95	14.7
○	SK	2	Gothan Architectural Lighting	EVD2WC 40/10 AR LD WDE	LEDV2 2 INCH WALL MOUNT CYLINDER, ROUND, 4000K, 1000 LUMENS, CLEAR, MATTE-DIFFUSE, WIDE, 90 CRI	EVD2WC_40_10_AR_LD_WD_90CRI.es	0.95	12.7402

Revisions	Date
△ CITY COMMENTS	3/10/24



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Drawn By:
Checked By:
Date: 12/14/2023
Phase: PERMIT

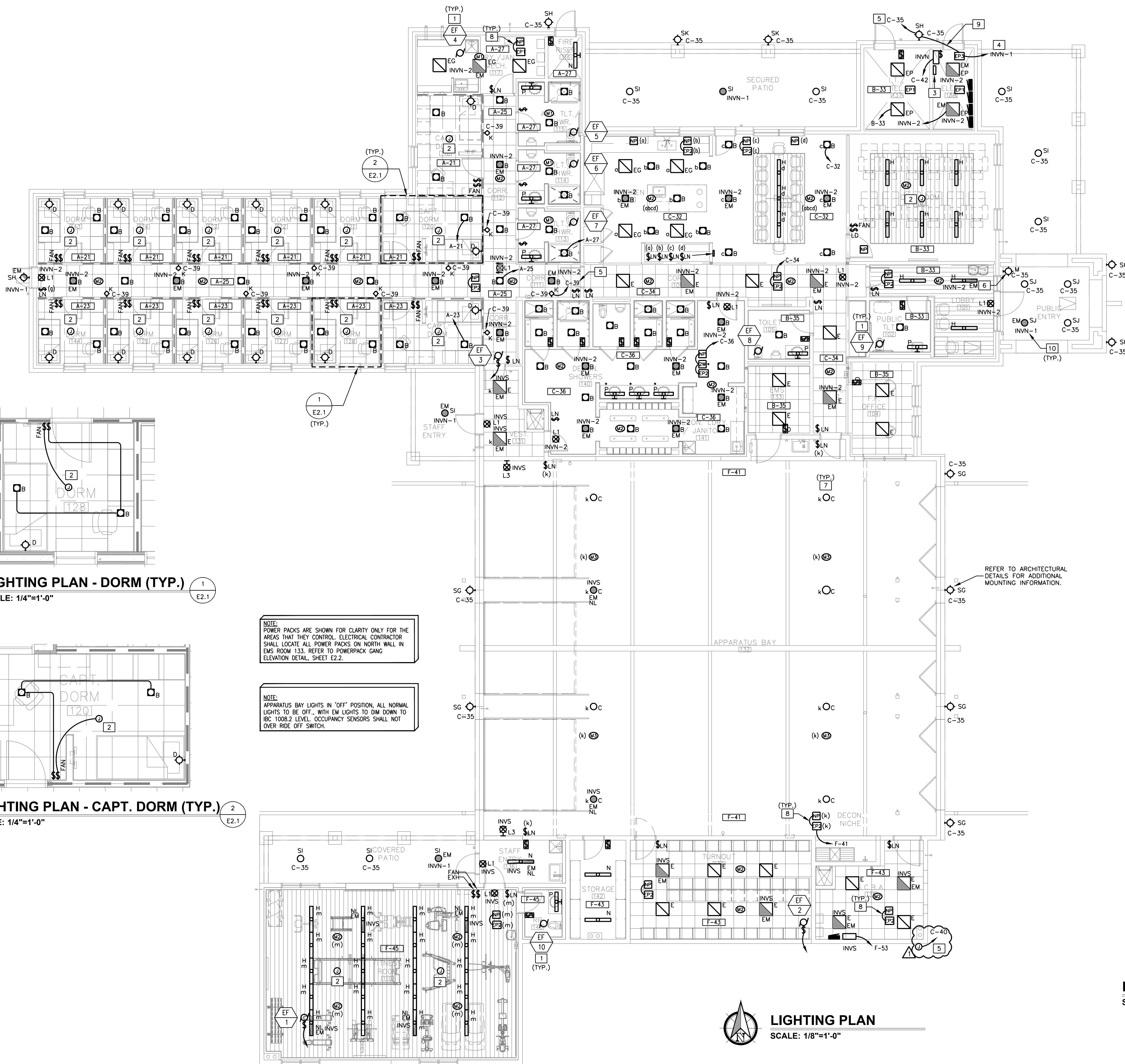
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Title:
FIRE STATION #74
1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
Index No: **FD57100020-3**

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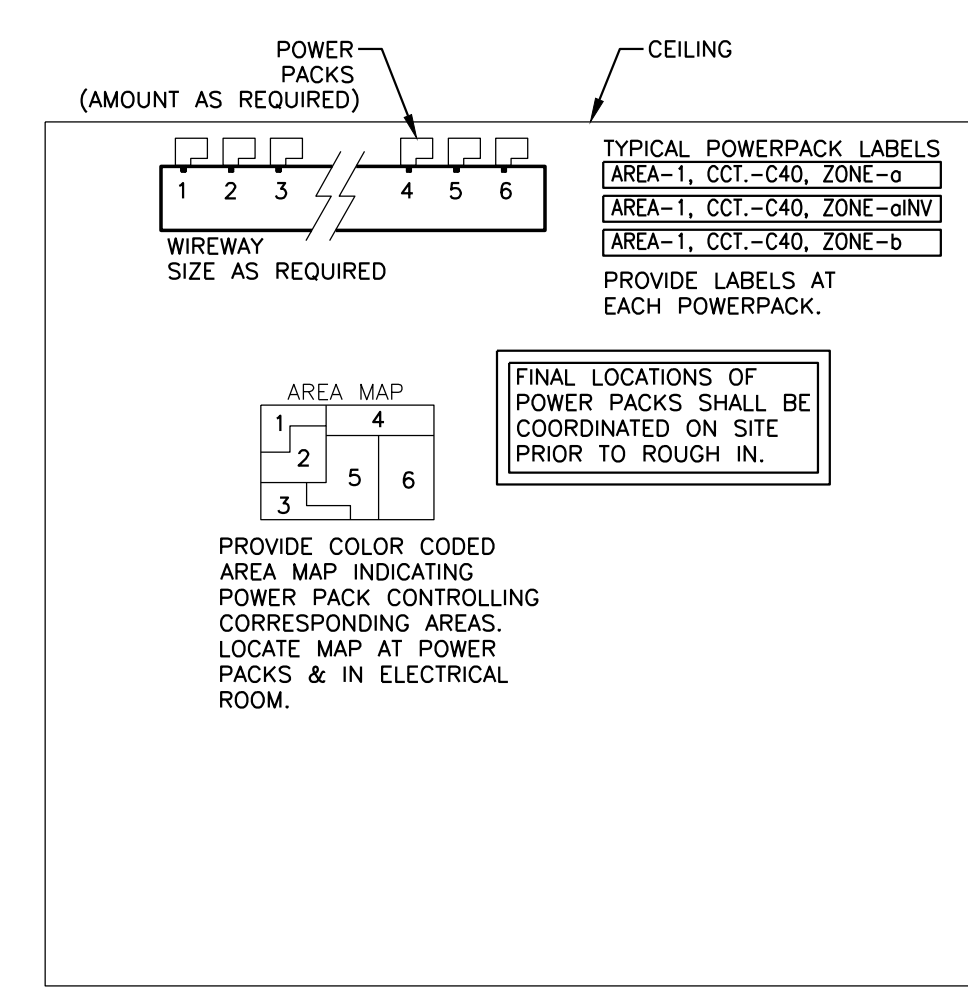
PHOTOMETRIC PLAN
E1.3



- ### GENERAL NOTES
- WHERE EQUIPMENT DESIGNATION SYMBOL IS SHOWN, REFER TO HVAC/PLUMBING EQUIPMENT SCHEDULE SHEET E3.5 FOR CONTROL/FEEEDER, OCP INFORMATION AND SOURCE PANEL. REFER TO PANEL SCHEDULES (SHEET E5.2) FOR CIRCUITING (TYPICAL).
 - REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS OF FIXTURES AND SWITCHES. COORDINATE ALL FINAL MOUNTING HEIGHTS AND/OR LOCATIONS AS REQUIRED WITH ARCHITECTURAL DETAILS, ELEVATIONS AND MILLWORK CONTRACTOR.
 - REFER TO SHEETS E1.1 AND E1.2 FOR EXTERIOR LIGHTING.
 - PROVIDE NON SWITCH LEG TO ALL EXIT SIGNS.
 - REFER TO SHEET E2.2 FOR LIGHTING FIXTURE SCHEDULE & IECC CALCULATIONS.
 - HOMERUN CIRCUITS MAY BE COMBINED INTO COMMON CONDUITS WHERE ALLOWED BY NEC. PROVIDE DEDICATED NEUTRALS WHEN FEEDING AFCI OR GFCI CIRCUIT BREAKERS. PROVIDE COMMON TRIP HANDLES IF COMBINING CIRCUITS AND SHARING NEUTRAL CONDUCTORS.
 - MC CABLE FOR LIGHTING FIXTURE WHIP ONLY. NO MC CABLE IN WALLS OR RUNS FROM PANELBOARD(S). ALL RUNS SHALL BE IN EMT CONDUIT.
 - WHERE ROOM HAVE HARD LID CEILINGS, ALL LOW VOLTAGE CABLING SHALL BE RUN IN CONDUIT FOR FUTURE ACCESS.
 - DEVICE COLORS SHALL BE WHITE.

- ### KEY NOTES
- REFER TO HVAC / PLUMBING EQUIPMENT SCHEDULE AND GENERAL NOTE #1 FOR ADDITIONAL INFORMATION.
 - PROVIDE CEILING FAN RATED JUNCTION BOX AND SUPPORT PER NEC 422.18. CEILING FAN LIGHT/FAN CONTROL PROVIDED BY REMOTE CONTROL BY FAN MANUFACTURER.
 - LIGHTING CONTACTOR FOR EXTERIOR LIGHTING FIXTURES. REFER TO CONTROL DIAGRAM ON SHEET E1.3 FOR ADDITIONAL INFORMATION.
 - CONNECT TO EMERGENCY LIGHTING INVERTER SYSTEM FOR EMERGENCY OPERATION.
 - ROUTE LIGHTING CIRCUIT VIA LIGHTING CONTACTOR. REFER TO EXTERIOR LIGHTING CONTROL DIAGRAM, SHEET E1.3, FOR ADDITIONAL INFORMATION. CIRCUITING SHALL NOT VARY FROM THAT SHOWN ON PLAN WITHOUT APPROVAL FROM PROJECT COORDINATOR.
 - FIXTURE TYPE 'M' TO BE UNSWITCHED. CONNECT TO CIRCUITING AS SHOWN.
 - PROVIDE STRUT SPANNING BETWEEN SLOPING TRUSS FOR SUPPORT OF BAY FIXTURES IN BAY AREA. PROVIDE 450 SWIVEL FIXTURE HANGER COVER TO 3/4" RGS ROD WITH SAFETY CHAIN.
 - PROVIDE LOW VOLTAGE SWITCHING CABLE BETWEEN 'NP' AND 'EP1/EP2' POWER PACKS.
 - PROVIDE SWITCHING SIGNAL BETWEEN EXTERIOR LIGHTING 'NORMAL POWER' AND 'EP3' POWER PACK.
 - ALL EXTERIOR EMERGENCY LIGHT FIXTURES SHALL BE CONNECTED TO INVERTER VIA 'EP3' POWER PACK.

- ### LIGHTING PROGRAMMING / NIGHT LIGHTS
- FULL DARK (OFF)
DAY ROOM, CORRIDORS WITH 'K' STEP LIGHTS.
 - DIM DOWN TO IBC 1008.2 LEVEL
PATH OF EGRESS CORRIDORS WITHOUT 'K' STEP LIGHTS, APPARATUS BAY, LOBBIES.



POWERPACK GANG CONCEPT/GENERAL ELEVATION DETAIL
 SCALE: N.T.S.

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

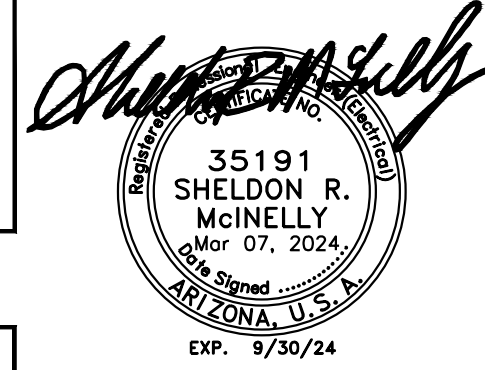
LIGHTING PLAN - DORM (TYP.)
 SCALE: 1/4"=1'-0"

LIGHTING PLAN - CAPT. DORM (TYP.)
 SCALE: 1/4"=1'-0"

NOTE: POWER PACKS ARE SHOWN FOR CLARITY ONLY FOR THE AREAS THAT THEY CONTROL. ELECTRICAL CONTRACTOR SHALL LOCATE ALL POWER PACKS ON NORTH WALL IN EMS ROOM 133. REFER TO POWERPACK GANG ELEVATION DETAIL, SHEET E2.2.

NOTE: APPARATUS BAY LIGHTS IN 'OFF' POSITION, ALL NORMAL LIGHTS TO BE OFF., WITH EM LIGHTS TO DIM DOWN TO IBC 1008.2 LEVEL. OCCUPANCY SENSORS SHALL NOT OVER-RIDE OFF SWITCH.

Revisions	Date
1	3/10/24
CITY COMMENTS	



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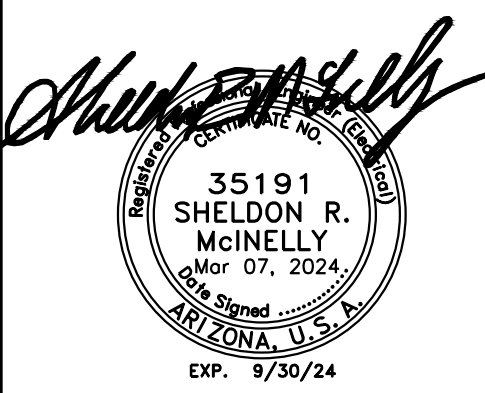
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1910 W. CHANDLER BLVD.
PHOENIX, ARIZONA 85045
 Index No: **FD57100020-3**

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CITY OF PHOENIX
 OFFICE OF THE CITY ENGINEER
 FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL
 LIGHTING PLAN
E2.1

Note:
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Revisions	Date
1	3/6/24
CITY COMMENTS	



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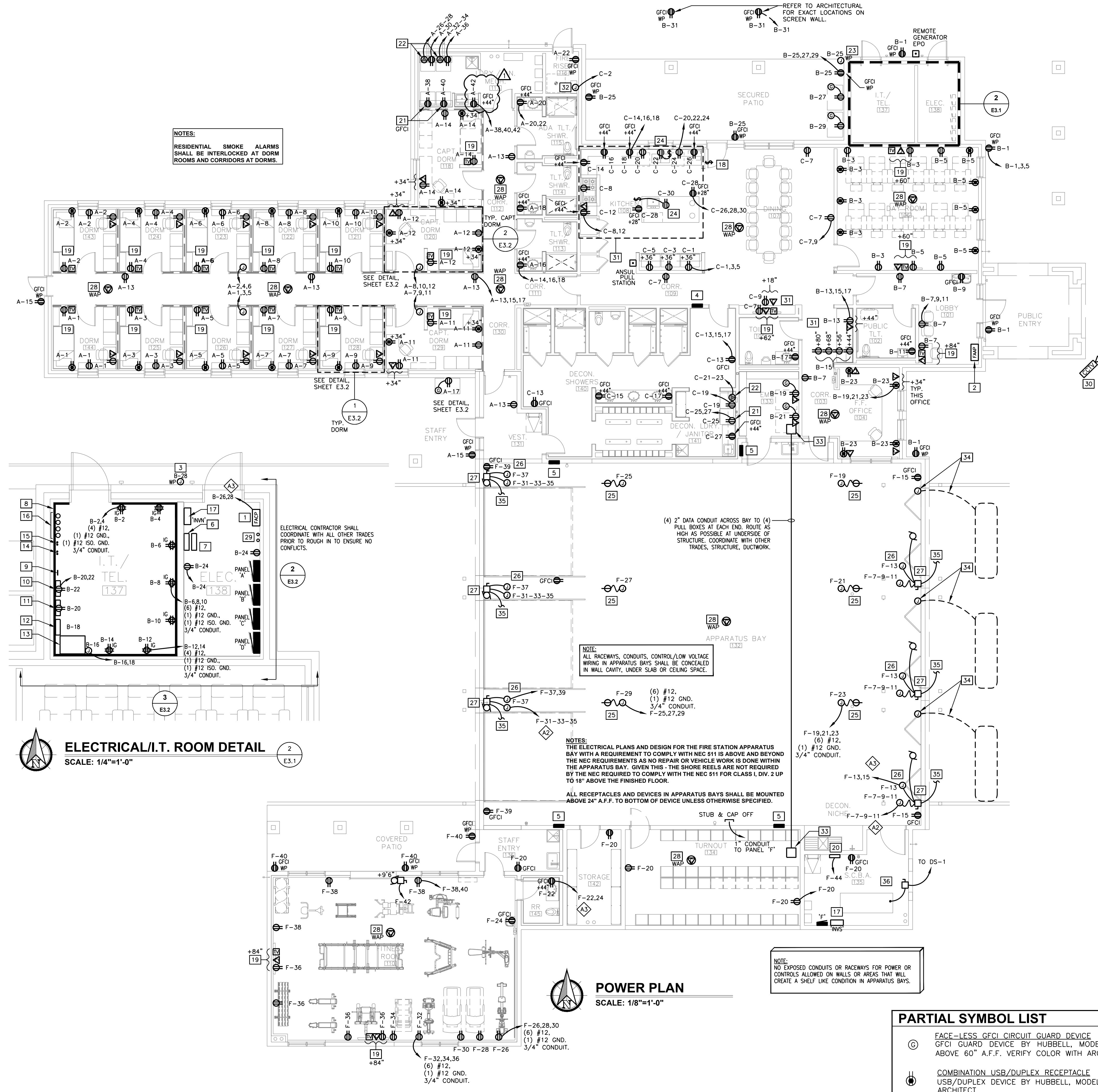
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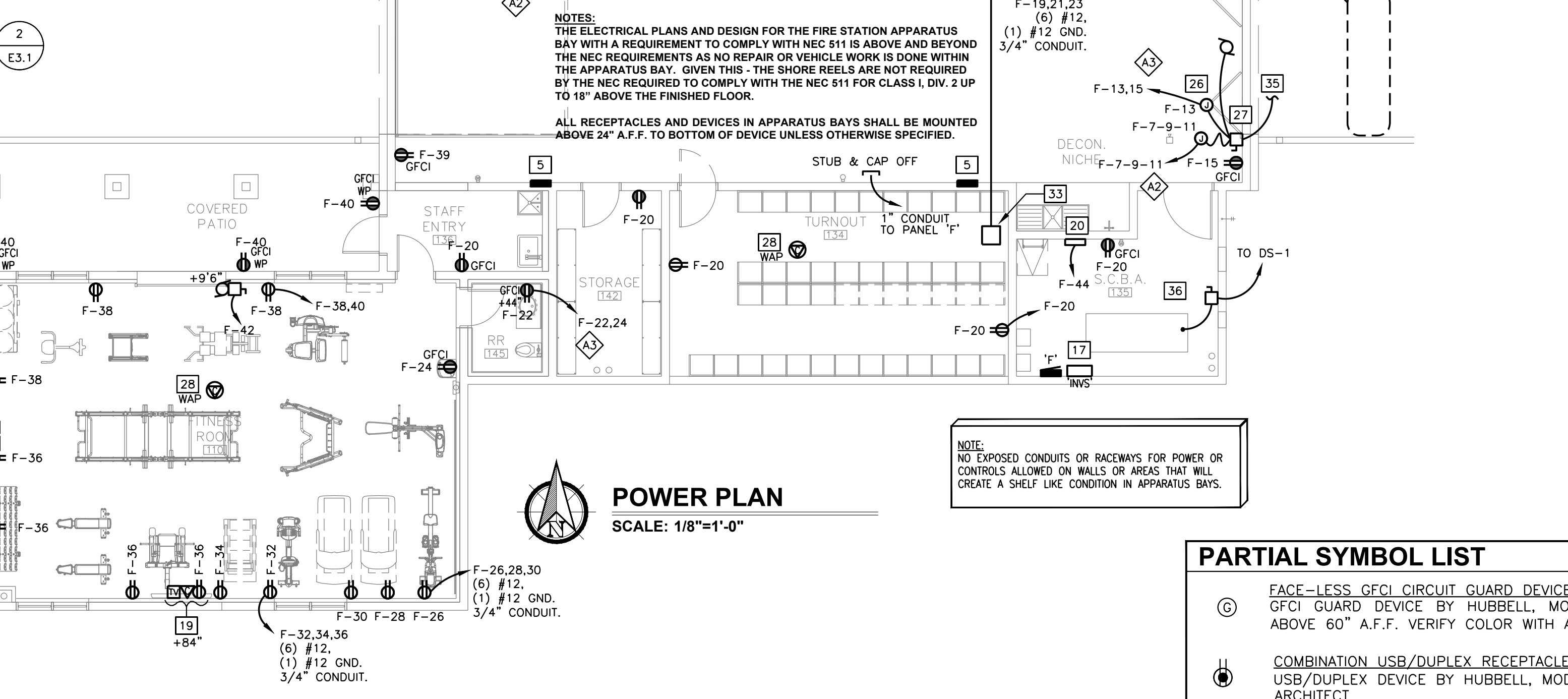
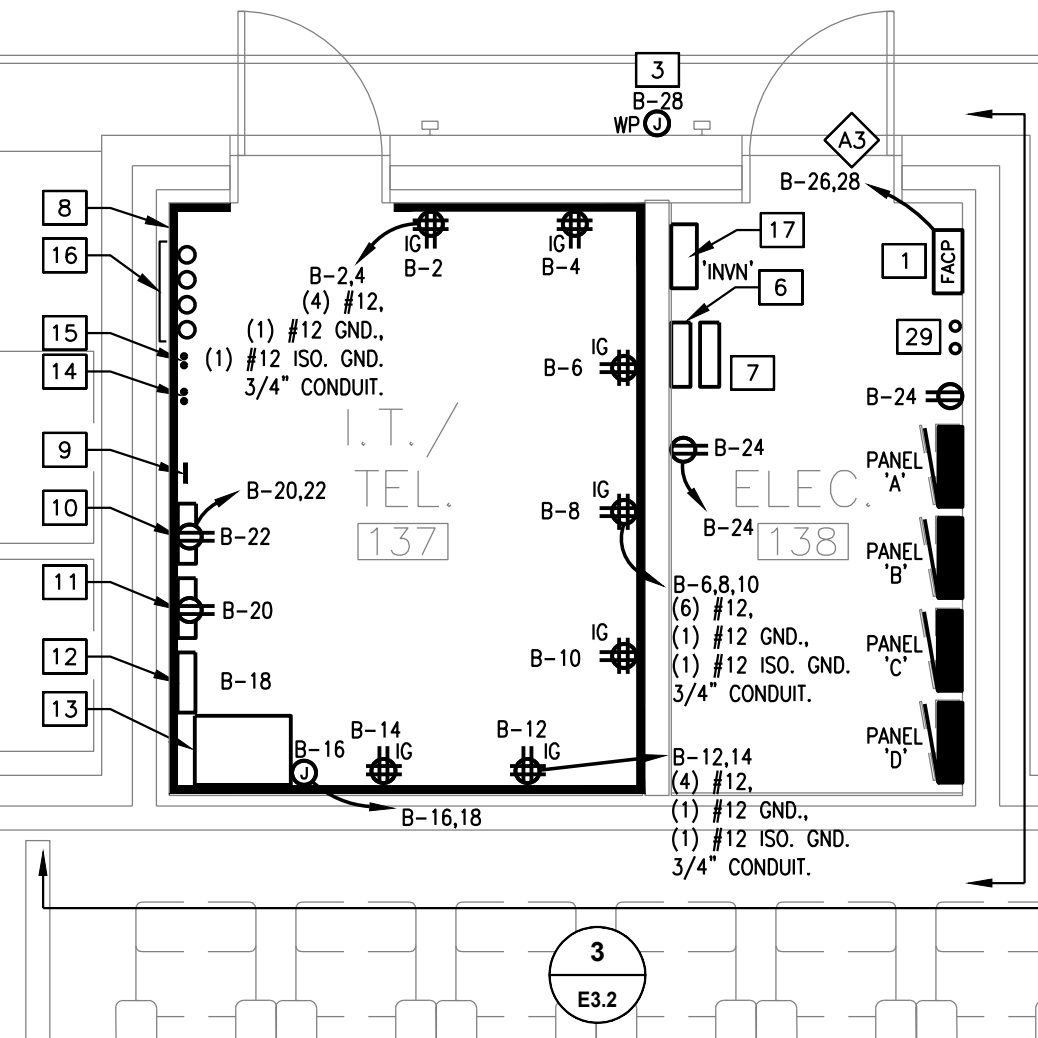
POWER PLAN
E3.1

- ### GENERAL NOTES
- DEVICE MOUNTING HEIGHTS ARE SHOWN FOR REFERENCE ONLY. COORDINATE ALL FINAL MOUNTING HEIGHTS AND/OR LOCATIONS AS REQUIRED WITH ARCHITECTURAL DETAILS, ELEVATIONS AND MILLWORK CONTRACTOR.
 - ALL RECEPTABLES IN THE APPARATUS BAY, WORKSHOP, TURNOUT, WORKSHOP, HAZMAT AND DECON SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 24" ABOVE FINISHED FLOOR TO BOTTOM OF DEVICE.
 - HOMERUN CIRCUITS MAY BE COMBINED INTO COMMON CONDUITS WHERE ALLOWED BY NEC. PROVIDE DEDICATED NEUTRALS WHEN FEEDING AFCI OR GFCI CIRCUIT BREAKERS. PROVIDE COMMON TRIP HANDLES IF COMBINING CIRCUITS AND SHARING NEUTRAL CONDUCTORS.
 - MC CABLE FOR LIGHTING FIXTURE WHIP ONLY. NO MC CABLE IN WALLS OR RUNS FROM PANELBOARD(S). ALL RUNS SHALL BE IN EMT CONDUIT.
 - WHERE ROOM HAVE HARD LID CEILINGS, ALL LOW VOLTAGE CABLING SHALL BE RUN IN CONDUIT FOR FUTURE ACCESS.
 - DEVICE COLORS SHALL BE WHITE WITH STAINLESS STEEL COVER PLATES.

- ### KEY NOTES
- FIRE ALARM CONTROL PANEL. PROVIDE 1" COMMUNICATION CONDUIT TO IT ROOM FOR ALARM LINES.
 - PROVIDE REMOTE FIRE ALARM SYSTEM ANNUNCIATOR. PROVIDE 3/4" CONDUIT TO FAAP.
 - PROVIDE WP CONNECTION TO FIRE ALARM BELL. VERIFY EXACT LOCATION WITH SUPPLIER PRIOR TO INSTALLATION.
 - PROVIDE REMOTE ANNUNCIATOR FOR GENERATOR(S). PROVIDE CONTROL CIRCUITING FROM GENERATOR AND ATS AS REQUIRED BY GENERATOR/ATS MANUFACTURER.
 - PROVIDE RECESSED OVERHEAD DOOR CONTROLLERS. REFER TO DIAGRAM ON SHEET E3.3 FOR DETAILS. COORDINATE EXACT LOCATION OF CONTROLLERS WITH ARCHITECT PRIOR TO WALL INSTALLATION AS WALLS ARE FULL OF REBAR AND CONCRETE FILL.
 - EXTERIOR LIGHTING CONTRACTOR. REFER TO SHEET E2.2 FOR ADDITIONAL INFORMATION.
 - PROVIDE 18"x18"x8" NEMA 1, PIANO HINGED, LOCKABLE CABINET WITH A COMPLETE SET OF DUPLICATE FUSES FOR EACH SWITCH IN S.E.S. MOUNT ABOVE LIGHTING CONTACTOR.
 - PROVIDE 3/4" A/C GRADE FIRE RATED PLYWOOD MOUNTING BOARD TO COVER ALL WALLS OF ROOM. VERIFY EXACT LOCATIONS OF ALL RECEPTABLES PRIOR TO ROUGH-IN WITH CITY PROJECT MANAGER.
 - PROVIDE 1/4"x2"x36" COPPER GROUNDING BUSS BAR WITH 1" INSULATED BUSHINGS MOUNTED ON PLYWOOD BACKBOARD. PROVIDE #4 AWG COPPER INSULATED CONDUCTOR TO BUILDING SYSTEM GROUND. DO NOT COMBINE GROUND CONDUCTORS.
 - PROVIDE CABLE TV CABINET. REFER TO SHEET E5.3 FOR DETAILS ADDITIONAL INFORMATION.
 - CARD READER SYSTEM. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE CONNECTION TO RECEPTACLE CIRCUIT AS REQUIRED.
 - PROVIDE CONNECTION TO FUTURE SECURITY SYSTEM CONTROL. VERIFY FINAL STUB-OUT LOCATION WITH PROJECT MANAGER.
 - PROVIDE 120V POWER TO DISPATCH SYSTEM CONTROL PANEL.
 - PROVIDE 1.25" CONDUIT FROM COMMUNICATIONS ROOM TO ATTIC SPACE FOR CITY MICROWAVE ANTENNA. VERIFY EXACT LOCATION OF ANTENNA WITH CITY REPRESENTATIVE.
 - PROVIDE TWO 1.25" CONDUITS FROM WIDE AREA DISPATCH CABINET TO ROOF. REFER TO SHEET E4.2 FOR APPROXIMATE LOCATIONS OF ROOF PENETRATIONS. COORDINATE FINAL LOCATION WITH PROJECT MANAGER PRIOR TO ROUGH-IN.
 - STUB UP ADOT / TELCO / CABLE CONDUITS AT 6" ABOVE FINISH FLOOR. COORDINATE FINAL LOCATION WITH PROJECT MANAGER PRIOR TO ROUGH-IN.
 - EMERGENCY INVERTER SYSTEM. REFER TO SHEET E2.1 FOR ADDITIONAL INFORMATION.
 - GATE OPERATOR OVERRIDE SWITCH. REFER TO SHEET E1.1 FOR ADDITIONAL INFORMATION. PROVIDE ENGRAVED LABEL ON SWITCH.
 - PROVIDE POWER/CABLE/DATA FOR WALL MOUNTED T.V. VERIFY EXACT HEIGHT WITH TENANT.
 - PROVIDE 120V CONNECTION TO CLIMATEC BAY EMS EXHAUST CONTROL PANEL. COORDINATE WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR/CLIMATEC SYSTEM INSTALLER.
 - PROVIDE DUPLEX RECEPTACLE FOR WASHER AT 36" AFF UNO.
 - PROVIDE 30A, 250V DRYER RECEPTACLE. MOUNT AT 36" AFF UNO. RECEPTACLE SHALL BE WIRED WITH MINIMUM 4#10, 3/4" CONDUIT. VERIFY EXACT NEMA RATING PRIOR TO ROUGH IN.
 - PROVIDE WP CONNECTION TO IRRIGATION CONTROLLER. VERIFY EXACT LOCATION WITH SUPPLIER PRIOR TO INSTALLATION.
 - DUPLEX RECEPTACLE UNDER COUNTER FOR CONNECTION OF DISPOSAL. HALF-SWITCHED, WITH SWITCH AT COUNTER.
 - POWER CORD REEL PROVIDED BY GENERAL CONTRACTOR. PROVIDE WITH 30 AMP/120V REEL POWER. VERIFY POINT OF CONNECTION RECEPTACLE CONFIGURATION WITH GENERAL CONTRACTOR. REFER TO ARCHITECTURAL PLANS AND SHEET E5.3 FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION WITH LIGHTING FIXTURES AND MECHANICAL EQUIPMENT. REEL SHALL BE WIRED WITH MINIMUM 3#10, 3/4" CONDUIT.
 - PROVIDE 120V CONNECTION TO OVERHEAD DOOR CONTROLS FOR INTERFACE WITH BAY CLIMATEC EXHAUST CONTROLS.
 - APPARATUS BAY/OVERHEAD DOOR OPENER: 3/4 HP @ 208V/3 PH. FURNISH AND INSTALL 30A/3P DISCONNECT SWITCH WITH CLASS RK1 FUSES PER MANUFACTURER'S REQUIREMENTS. STARTER INTEGRAL WITH UNIT. REFER TO OVERHEAD DOOR WIRING DIAGRAM, AND MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR CONTROL WIRING AND ADDITIONAL INFORMATION.
 - PROVIDE CONNECTION TO WIRELESS ACCESS PORT (WAP) AT CEILING. VERIFY LOCATION WITH INSTALLING CONTRACTOR. VERIFY TYPE OF CONNECTION REQUIRED FOR EQUIPMENT PRIOR TO ROUGH-IN. PROVIDE 4-SQUARE J-BOX AND 1" CONDUIT WITH PULL-STRING FOR DATA TO ABOVE ACCESSIBLE CEILING SPACE FROM LOCATION SHOWN TO IT/SERVER.
 - STUB UP SPARE CONDUITS FROM SES AT 6" ABOVE FINISH FLOOR. COORDINATE FINAL LOCATION WITH PROJECT MANAGER PRIOR TO ROUGH-IN.
 - CAMERA SHOWN FOR REFERENCE, DO NOT DUPLICATE. REFER TO SHEET E1.1 FOR ADDITIONAL INFORMATION.
 - REFER TO ARCHITECTS ELEVATIONS DRAWINGS FOR DEVICE MOUNTING HEIGHTS AND LOCATION.
 - PROVIDE CIRCUIT INDICATED AT KITCHEN HOOD CONTROL PANEL. PROVIDE ALL CONNECTIONS TO HVAC EQUIPMENT, SHUNTS/RELAYS, CONTROLS, ETC. AS REQUIRED. ELECTRICAL CONTRACTOR SHALL COORDINATE ROUGH-IN LOCATIONS OF ALL COMPONENTS FOR FINAL SELECTED SYSTEM. RECEPTACLE IS APPROXIMATELY 10.5" A.F.F. TO CENTER OF RECEPTACLE PER MANUFACTURER. COORDINATE WITH MECHANICAL.
 - PROVIDE 12"x12"x8" JUNCTION BOXES LOCATED IN CEILING FOR DATA. COORDINATE EXACT LOCATION WITH ARCHITECT.
 - PROVIDE 3/4" CONDUIT AND SINGLE GANG BOX AT DOOR CONTROLLER ABOVE DOOR FOR DOOR OBSTRUCTION LOOP. COORDINATE FINAL ROUGH-IN LOCATION WITH DOOR VENDOR AND ARCHITECT.
 - PROVIDE 3/4" CONDUIT TO CLIMATEC BAY EXHAUST CONTROL INTERFACE. COORDINATE TERMINATION REQUIREMENTS WITH DOOR INSTALLER.
 - PROVIDE CONNECTION TO SCBA AND AIR COMPRESSOR SYSTEMS. REFER TO ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.



NOTES:
 RESIDENTIAL SMOKE ALARMS SHALL BE INTERLOCKED AT DORM ROOMS AND CORRIDORS AT DORMS.



PARTIAL SYMBOL LIST

(G)	FACE-LESS GFCI CIRCUIT GUARD DEVICE GFCI GUARD DEVICE BY HUBBELL, MODEL NO. GFBF20. MOUNT ABOVE 60" A.F.F. VERIFY COLOR WITH ARCHITECT.
(H)	COMBINATION USB/DUPLEX RECEPTACLE USB/DUPLEX DEVICE BY HUBBELL, MODEL NO. USB20AC5. VERIFY COLOR WITH ARCHITECT.
(V)	FIRE STATION COMMUNICATIONS (PHONE/DATA) DEVICE PROVIDE 3/4" CONDUIT AND PULL STRING TO ABOVE ACCESSIBLE CEILING SPACE. PROVIDE WITH (2) TERMINATION DROPS AT EACH LOCATION.

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CITY OF PHOENIX OFFICE OF THE CITY ENGINEER FIRE DEPARTMENT STATION 74 - PERMIT CITY SUBMITTAL