

# TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

11/25/2022

PIVOT NORTH ARCHITECTURE PROJECT #: 19-029



## DRAWING INDEX:

GENERAL	
G0.00	COVER SHEET
G0.02	DRAWING INFORMATION
G0.03a	ACCESSIBILITY COMPLIANCE
G0.04	WALL TYPES, FLOOR TYPES, & RATED ASSEMBLIES
G1.00	CODE AND ENERGY COMPLIANCE
G2.01b	EXITING AND OCCUPANCY PLAN
CIVIL	
C1.50	OVERALL SWPPP SITE PLAN
C1.51	SWPPP SITE PLAN - AREA A
C2.00	SITE LAYOUT & MATERIALS PLAN - OVERALL & DEMOLITION
C2.01	SITE LAYOUT & MATERIALS PLAN - AREA A
C2.50	SITE DETAILS
C2.52	SITE DETAILS
C5.00	SITE UTILITY PLAN - OVERALL
C5.01	SITE UTILITY PLAN - AREA A
C5.02	SITE UTILITY PLAN - AREA B
LANDSCAPE	
L0.00	LANDSCAPE PLAN - OVERALL
L0.01	LANDSCAPE PLAN - SUPPORT BUILDING
ARCHITECTURAL	
A1.01	COMPOSITE SITE PLAN
A1.11	ENLARGED SITE PLAN
A1.91	SITE DETAILS
A2.01	COMPOSITE FLOOR PLAN - LEVEL 1 & ENLARGED PLANS
A2.02	COMPOSITE FLOOR PLAN - LEVEL 2
A2.31	COMPOSITE ROOF PLAN
A3.01	BUILDING ELEVATIONS
A3.10	BUILDING SECTIONS
A6.01	STAIR PLANS AND SECTIONS
A7.01	DOOR SCHEDULE & TYPES
A7.11	FRAME TYPES & FRAME DETAILS
A8.00	ROOM FINISH SCHEDULE
A8.51	INTERIOR ELEVATIONS
A8.91	INTERIOR DETAILS
A9.01	COMPOSITE CEILING PLAN - LEVEL 1 & CEILING DETAILS
STRUCTURAL	
S1.01	GENERAL NOTES
S1.02	GENERAL NOTES
S2.01	LEVEL 1 - COMPOSITE FLOOR PLAN
S2.02	LEVEL 2 - COMPOSITE FLOOR PLAN
S6.01	CONCRETE DETAILS
S7.01	WOOD FRAMING DETAILS
MECHANICAL	
M0.01	MECHANICAL LEGENDS & NOTES
M0.02	MECHANICAL SCHEDULES
M2.01	LEVEL 1 - HVAC PLAN
M2.02	LEVEL 2 - HVAC PLAN
M3.01	MECHANICAL DETAILS
PLUMBING	
P0.01	PLUMBING LEGENDS & NOTES
P0.02	PLUMBING SCHEDULES
P2.01	LEVEL 1 - DOMESTIC WATER PLAN
P2.02	LEVEL 2 - DOMESTIC WATER PLAN
P2.10	FOUNDATION - WASTE & VENT PLAN
P2.11	LEVEL 1 - WASTE & VENT PLAN
P2.12	LEVEL 2 - WASTE & VENT PLAN
P5.01	PLUMBING DETAILS
FIRE PROTECTION	
F0.01	FIRE PROTECTION LEGENDS & NOTES
F2.01	LEVEL 1 - FIRE PROTECTION PLAN
F2.02	LEVEL 2 - FIRE PROTECTION PLAN
ELECTRICAL	
E0.01	ELECTRICAL LEGENDS & NOTES
E0.02	ELECTRICAL SCHEDULES
E1.01	ELECTRICAL SITE PLAN
E2.01	LEVEL 1 - LIGHTING PLAN
E2.02	LEVEL 2 - LIGHTING PLAN
E2.11	LEVEL 1 - POWER PLAN
E2.12	LEVEL 2 - POWER PLAN
E2.13	ROOF - ELECTRICAL PLAN
E2.21	LEVEL 1 - FIRE ALARM PLAN
E2.22	LEVEL 2 - FIRE ALARM PLAN
E4.01	ELECTRICAL PANEL SCHEDULES
E5.01	ELECTRICAL DETAILS
E5.02	ELECTRICAL DETAILS
TECHNOLOGY	
T0.01	TECHNOLOGY LEGENDS & NOTES
T1.01	TECHNOLOGY SITE PLAN
T2.01	LEVEL 1 - TECHNOLOGY PATHWAY PLAN
T2.02	LEVEL 2 - TECHNOLOGY PATHWAY PLAN
T2.11	LEVEL 1 - TECHNOLOGY FLOOR PLAN
T2.12	LEVEL 2 - TECHNOLOGY FLOOR PLAN
T3.01	TECHNOLOGY ENLARGED PLAN SERIES
T5.01	TECHNOLOGY DETAILS



PIVOT NORTH ARCHITECTURE  
1101 W. GROVE STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP:



Project:  
TWIN FALLS TRAINING FACILITY  
420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Revisions:

Project No: 19-029  
Date: 11/25/2022  
Checked By: TB  
Drawn By: TB/AM

Sheet Name:  
COVER SHEET

Sheet No:

GO.00

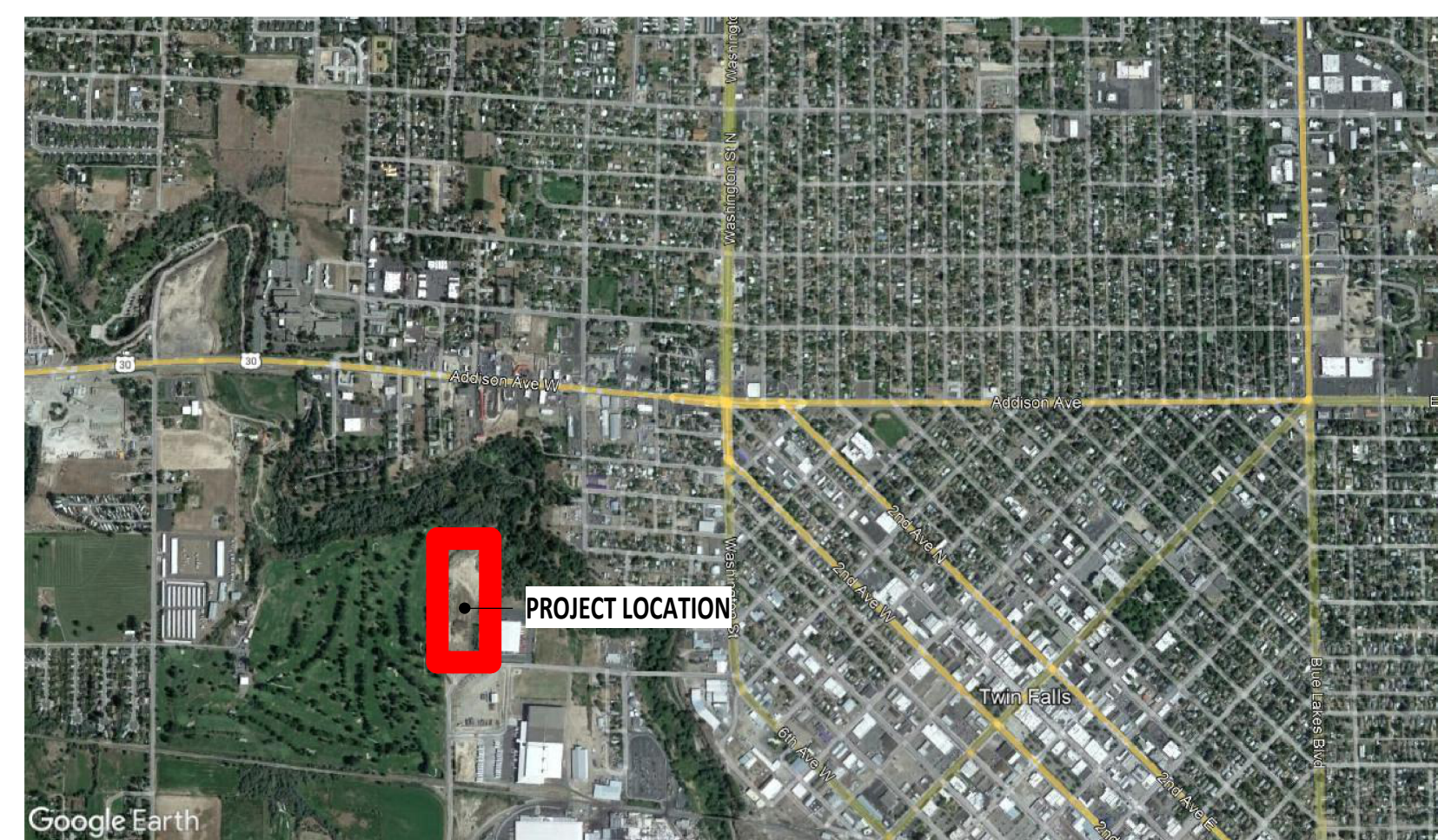
## APPLICABLE CODES

ACCESSIBILITY CODE	ICC/ANSI A117.1/ IBC CODE
INTERNATIONAL BUILDING CODE	2018 EDITION (WITH IDAHO STATE AMENDMENTS)
INTERNATIONAL ENERGY CONSERVATION CODE	2018 EDITION
INTERNATIONAL FIRE CODE	2018 EDITION
INTERNATIONAL MECHANICAL CODE	2018 EDITION
INTERNATIONAL PLUMBING CODE	2017 IDAHO STATE PLUMBING CODE
NATIONAL ELECTRICAL CODE	2017 EDITION (WITH IDAHO STATE AMENDMENTS)
ZONING ORDINANCE:	TWIN FALLS

## OTHER CRITERIA

## DEFERRED SUBMITTALS

## VICINITY MAP:



## SITE MAP:



### OWNER CITY OF TWIN FALLS

203 MAIN AVE. E  
TWIN FALLS, ID 83301  
PHONE: 208.735.7231 CONTACT: LES KENWORTHY MOBILE: N/A  
FAX: 208.733.3146 E-MAIL: lkenworthy@tffd.org INTERNET: https://www.tffd.org



### ARCHITECT PIVOT NORTH ARCHITECTURE

1101 W. GROVE STREET  
BOISE, IDAHO 83702  
PHONE: 208.690.3108 CONTACT: CLINT SIEVERS MOBILE: N/A  
FAX: N/A E-MAIL: clint@pivotnorthdesign.com INTERNET: www.pivotnorthdesign.com



### FIRE DESIGN CONSULTANT RICE FERGUS MILLER

275 FIFTH ST. SUITE 100  
BREMERTON, WA 98337  
PHONE: 360.377.8773 CONTACT: GUNNAR GLADICS MOBILE: N/A  
FAX: N/A E-MAIL: gggladics@rfmarch.com INTERNET: www.rfmarch.com



### LANDSCAPE ARCHITECT THE LAND GROUP, INC

462 E SHORE DR. SUITE 100  
EAGLE, ID 83616  
PHONE: 208.939.4041 CONTACT: BOB SCHAFER MOBILE: N/A  
FAX: 208.939.4445 E-MAIL: bob@thelandgroupinc.com INTERNET: www.thelandgroupinc.com



### CIVIL ENGINEER THE LAND GROUP, INC

462 E SHORE DR. SUITE 100  
EAGLE, ID 83616  
PHONE: 208.939.4041 CONTACT: ERIC CRONIN MOBILE: N/A  
FAX: 208.939.4445 E-MAIL: eric@thelandgroupinc.com INTERNET: www.thelandgroupinc.com



### STRUCTURAL ENGINEER KPFF

412 E PARKCENTER BLVD, SUITE 200  
BOISE, ID 83706  
PHONE: 208.336.6985 CONTACT: JUDD WILLIAMS MOBILE: N/A  
FAX: N/A E-MAIL: Juddsen.Williams@kpff.com INTERNET: www.kpff.com



### MECHANICAL ENGINEER CATOR RUMA & ASSOCIATES, CO.

420 S ORCHARD STREET  
BOISE, ID 83705  
PHONE: 208.343.3663 CONTACT: JEFF JESSE MOBILE: 303.468.8455  
FAX: N/A E-MAIL: Jjesse@catorruma.com INTERNET: www.catorruma.com



### ELECTRICAL ENGINEER CATOR RUMA & ASSOCIATES, CO.

420 S ORCHARD STREET  
BOISE, ID 83705  
PHONE: 208.343.3663 CONTACT: KYLE OLSON MOBILE: N/A  
FAX: N/A E-MAIL: KOlson@catorruma.com INTERNET: www.catorruma.com



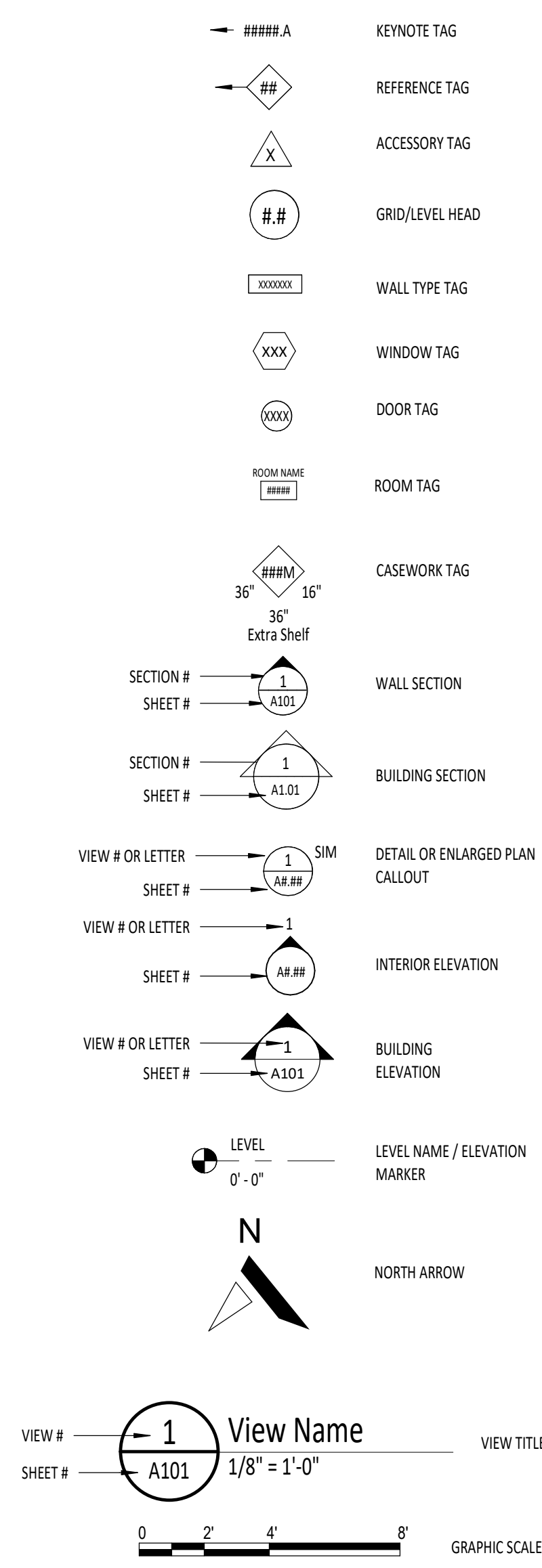
### CONTRACTOR STARR CORPORATION

2995 E 3600 N  
TWIN FALLS, ID 83301  
PHONE: 208.733.5695 CONTACT: MICHAEL ARRINGTON MOBILE: N/A  
FAX: N/A E-MAIL: michaela@starrcorporation.com INTERNET: www.starrcorporation.com



DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

SYMBOLS:



ABBREVIATIONS:

#	NUMBER OR POUND	JAN	JANITOR
Ø	DIAMETER	JST	JOIST
∠	ANGLE	JT	JOINT
@	AT	LAB	LABORATORY
&	AND	LAM	LAMINATE
CL	CENTERLINE	LAV	LAVATORY
AB	ANCHOR BOLT	MAT	MATERIAL
ACP	ACOUSTICAL CEILING PANEL	MAX	MAXIMUM
ACT	ACOUSTICAL CEILING TILE	MECH	MECHANICAL
ADI	ADJUSTABLE	MET	METAL
AFF	ABOVE FINISH FLOOR	MFR	MANUFACTURER
ALUM	ALUMINUM	MIN	MINIMUM
ANOD	ANODIZED	MISC	MISCELLANEOUS
APPROX	APPROXIMATE	ML	MEASURING LINE
ASSOC	ASSOCIATED	MO	MASONRY OPENING
AWP	ACOUSTICAL WALL PANEL	MTD	MOUNTED
AW5	ACOUSTICAL WALL SYSTEM	MTG	MOUNTING
BD	BOARD	NA	NOT APPLICABLE
BFC	BROOM FINISH CONCRETE	NB	NO BASE (EXPOSED WALL OR FOUNDATION)
BLDG	BUILDING	NC	NEW CONCRETE
BLKG	BLOCKING	NIC	NOT IN CONTRACT
BM	BEAM	NM	NEW MASONRY
BO	BOTTOM OF	NO	NUMBER
BOT	BOTTOM	NDM	NOMINAL
BRG	BEARING	NTS	NOT TO SCALE
BSMT	BASEMENT	OC	ON CENTER
BTWN	BETWEEN	OD	OUTSIDE DIAMETER
CAB	CABINET	OF	OFFICE
CPT	CARPET	OFI	OWNER FURNISHED/CONTRACTOR INSTALLED
C.I.P.	CAST-IN-PLACE	OFI	OWNER FURNISHED/OWNER INSTALLED
CI	CONTROL JOINT	OPNG	OPENING
CL	CENTERLINE	OTA	OPEN TO ABOVE
CLG	CEILING	OTS	OPEN TO STRUCTURE OVERFLOW
CMU	CONCRETE MASONRY UNITS	PC	PAINT COLOR
CO	CLEAN OUT	P.I.V.	POST INDICATOR VALVE
COL	COLUMN	PLST	PLASTIC
CONC	CONCRETE	PLYWD	PLYWOOD
CONST	CONSTRUCT	PR	PAIR
CONT	CONTINUOUS	R	THERMAL RESISTANCE
CSK	COUNTERSINK	RCP	REFLECTED CEILING PLAN
CMT	CERAMIC MOSAIC TILE	RD	ROOF DRAIN
COT	CERAMIC QUARRY TILE	RDL	RAIN DRAIN LEADER
CWB	CERAMIC WALL BASE	RE	REFERENCE
DBL	DOUBLE	REFNG	REFRIGERATOR
DEPT	DEPARTMENT	RENF	REINFORCING
DT	DETAIL	REQ	REQUIRED
DF	DRINKING FOUNTAIN	RF	EPOXY FLOOR SYSTEM
DIA	DIAMETER	RM	ROOM
DM	DIMENSION	RO	ROUGH OPENING
DN	DOWN	RST	RUBBER STAIR TREADS
DS	DOWNSPOUT	RW	REDWOOD
EA	EACH	RWB	RUBBER WALL BASE
EBT	EXPANSION BASE TRIM	RWC	RAIN WATER CONDUCTOR
EJ	EXPANSION JOINT	SC	SEALED CONCRETE
ELEC	ELECTRICAL	SCHED	SCHEDULE
ELEV	ELEVATION	SCW	SOLID CORE WOOD
EP	EPOXY PAINT	SGWB	SUSPENDED GYPSUM WALL BOARD
EQ	EQUAL	SHT	SHEET
EQUIP	EQUIPMENT	SHTG	SHEATHING
ESTR	EXPOSED STRUCTURE (NEW OR EXISTING)	SHM	SIMILAR
EPS	EXTERIOR INSULATION & FINISH SYSTEM	SPECS	SPECIFICATIONS
EXIST	EXISTING	SQ	SQUARE
EXP	EXPANSION	SS	STAINLESS STEEL
EXT	EXTERIOR	STD	STANDARD
FD	FLOOR DRAIN	STL	STEEL
F.D.C.	FIRE DEPARTMENT CONNECTION	STOR	STORAGE
FB	FIRE BLANKET	STRUCT	STRUCTURAL
FE	FIRE EXTINGUISHER	SUSP	SUSPENDED
FF	FACTORY FINISH	SV	SHEET VINYL
F.H.	FIRE HYDRANT	T&G	TONGUE AND GROOVE
FIN	FINISH	TEMP	TEMPORARY
FL	FLOORLINE	TO	TOP OF
FLR	FLOOR	TOM	TOP OF MASONRY
FND	FOUNDATION	TS	TUBE STEEL
FOC	FACE OF CHANNEL	TYP	TYPICAL
FOF	FACE OF FINISH	UON	UNLESS OTHERWISE NOTED
FOS	FACE OF STUDS	VAR	VARIES
FT	FEET	VCT	VINYL COMPOSITION TILE
FTG	FOOTING	VERT	VERTICAL
FV	FIELD VERIFY	VEST	VESTIBULE
GA	GALVE	W/	WITH
GALV	GALVANIZED	WC	WATER CLOSET
GB	GYPSUM BOARD	WD	WOOD
GYP BD.	GYPSUM BOARD	WF	WALL FABRIC
HAS	HEAD ANCHOR STUD	WH	WATER HEATER
HCW	HOLLOW CORE WOOD	WM	WALK-OFF MAT
HM	HOLLOW METAL	W/O	WITHOUT
HKRZ	HORIZONTAL	WP	WATERPROOF
HT	HEIGHT	WRGB	WATER RESISTANT GYPSUM BOARD
HW	HARDWOOD	WT	WEIGHT
ICMU	INTEGRAL COLORED CONCRETE MASONRY UNITS	WWF	WELDED WIRE FABRIC
ID	INSIDE DIAMETER		
INSUL	INSULATION		
INT	INTERIOR		
INV	INVERT		

MASTER KEYNOTES:

Keynote #	Keynote Text
03900A	CAST-IN-PLACE CONCRETE.
05900A	STEEL ROOF DECKING
05900L	FIXED STEEL ROLLARD
06105G	DIMENSIONAL LUMBER FRAMING
06160F	PLYWOOD SHEATHING
06173A	WOOD JOIST
07210D	SOUND ATTENUATION BLANKET INSULATION
07620C	METAL FLASHING & TRIM
07620H	HANGING GUTTER
07620J	DOWNSPOUT
07920C	ACOUSTICAL JOINT SEALANT
09221A	STEEL STUD FRAMING (NON-LOAD-BEARING)
09290A	GYPSUM WALL BOARD, TYPE X
10441A	FE CABINET



PIVOT NORTH ARCHITECTURE, P.L.L.C.  
1101 W. GROVE STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

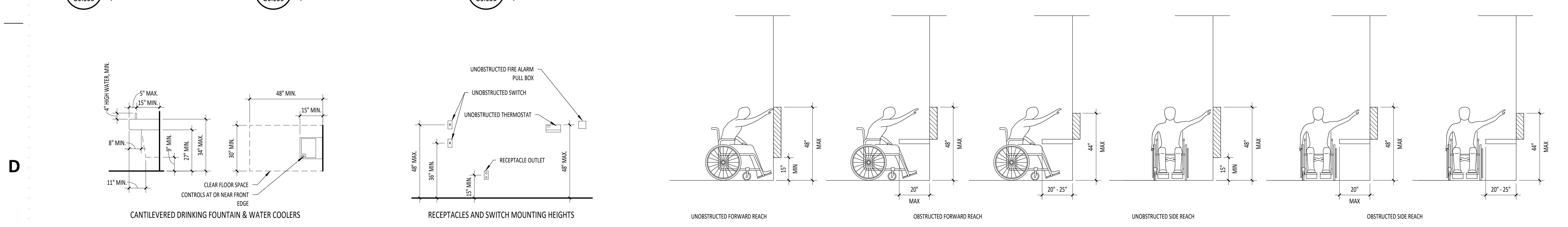
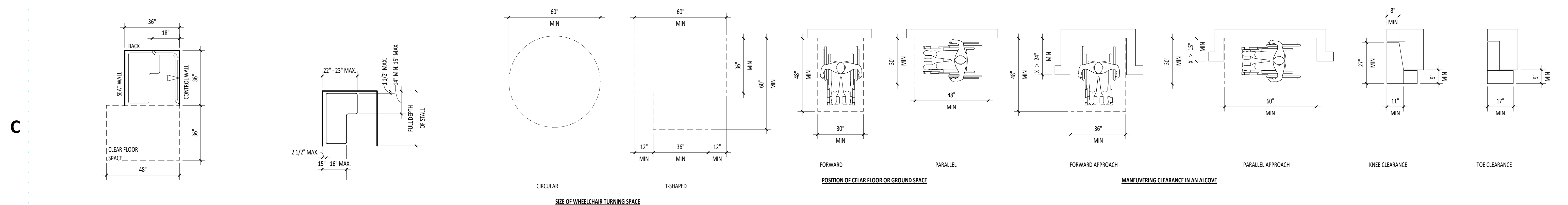
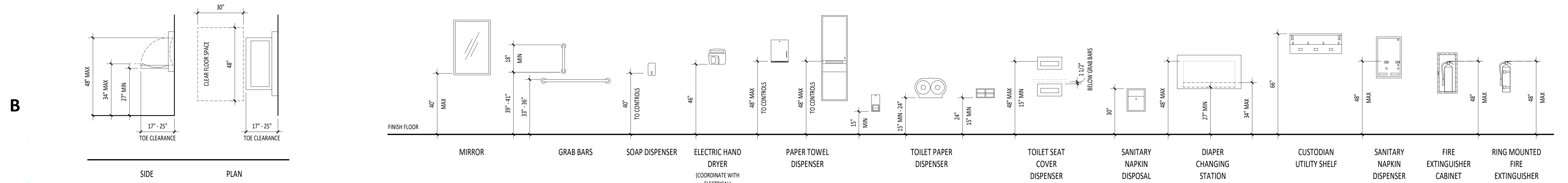
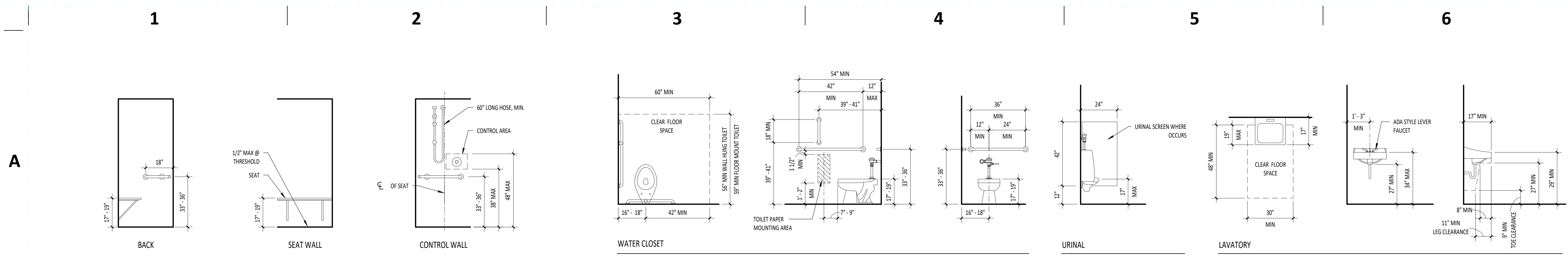
Project No: 19-029  
Date: 11/25/2022  
Checked By: TB  
Drawn By: AM

Sheet Name:

DRAWING INFORMATION

Sheet No:

GO.02



WALL TYPES

1 1/2" = 1'-0"

<p><b>W41</b></p> <p>FIRE RATING: 1-HOUR FIRE TEST: UL R3501.47 SOUND RATING: 35-39 STC WALL HEIGHT: TO DECK ABOVE</p> <p>INTERIOR INTERIOR</p>	<p><b>W46S</b></p> <p>FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: TO DECK ABOVE WALL HEIGHT: TO DECK ABOVE</p> <p>INTERIOR INTERIOR</p>	<p><b>W48</b></p> <p>FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: TO DECK ABOVE WALL HEIGHT: TO DECK ABOVE</p> <p>STAIR 101 INTERIOR</p>	<p><b>W66S</b></p> <p>FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: TO DECK ABOVE WALL HEIGHT: TO DECK ABOVE</p> <p>INTERIOR INTERIOR</p>	<p><b>W68</b></p> <p>FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: TO DECK ABOVE WALL HEIGHT: TO DECK ABOVE</p> <p>FUTURE BUILDOUT 109 HALLWAY 100</p>
<p><b>W61</b></p> <p>FIRE RATING: 1-HOUR FIRE TEST: UL 999-2244.1.2 SOUND RATING: TO DECK ABOVE WALL HEIGHT: TO DECK ABOVE</p> <p>INTERIOR INTERIOR</p>	<p><b>W68P</b></p> <p>FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: TO DECK ABOVE WALL HEIGHT: TO DECK ABOVE</p> <p>FUTURE BUILDOUT 109 STORAGE 201</p>	<p><b>W126</b></p> <p>FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: TO DECK ABOVE WALL HEIGHT: TO DECK ABOVE</p> <p>INTERIOR INTERIOR</p>	<p><b>X-EXISTING</b></p> <p>FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: SEE SECTIONS WALL HEIGHT: SEE SECTIONS</p> <p>EXTERIOR INTERIOR</p>	

NOTES - REFERENCE NOTES

1.01 COORDINATE WITH STRUCTURAL DRAWINGS.

GENERAL NOTES

- WALL TYPES DESCRIBED ON THIS SHEET DO NOT ACCOUNT FOR REQUIRED BACKING AND/OR SUPPORT FOR WALL MOUNTED FIXTURES, EQUIPMENT, CASEWORK AND/OR SYSTEMS FURNITURE. COORDINATE WITH ENLARGED FLOOR PLANS, INTERIOR ELEVATIONS AND EQUIPMENT PLANS PRIOR TO THE COVERING OF STUD FRAMING. REFER TO MANUFACTURER'S RECOMMENDATIONS AND USE DETAIL WHERE APPLICABLE.
- PROVIDE SOUND BRACING PER DETAIL AT ALL WALL TYPES THAT REQUIRE IT.
- PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SEALED AS PER MANUFACTURER'S RECOMMENDATION AND IN ACCORDANCE WITH ASSOCIATED UL LISTING.
- WALL THICKNESS DESCRIBED ON THIS SHEET ARE SHOWN NOMINALLY IN PLAN REPRESENTATIONS.
- HORIZONTAL BRACING 2'-0" A.F.F. AT FIRST OCCURRENCE AND EVERY 4'-0" THEREAFTER AT ALL WALLS WITH GYPSUM WALL BOARD ON ONLY ONE SIDE.
- FOR PARTITION FRAMING LEGEND FOR SEQUENCING OF RATED WALL CONSTRUCTION.
- AT ALL WALLS THAT EXTEND TO STRUCTURE PROVIDE DEFLECTION TRACK SEE DETAIL FOR TYPICAL CONDITION FOR INSTANCES WHERE BEAM INTERRUPTS CONTINUATION OF WALL TO DECK ABOVE SEE DETAIL.
- FOR ALL WALLS WITH TILE INSTALLED IN DRY AREAS USE GYPSUM WALL BOARD SUBSTRATE. USE TYPE "X" GLASS-MAT, WATER RESISTANT BACKER BOARD AT TUBS AND SHOWERS. USE WATER RESISTANT GREEN BOARD IN ALL OTHER WALLS WITH TILE IN ROOMS WITH TUBS AND SHOWERS.
- WHERE INTERIOR RATED WALLS MEET WITH EXTERIOR WALL SYSTEMS SEE DETAIL.
- CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY IF CLEARANCES AND ADA REQUIREMENTS ARE NOT ACHIEVED.

REMARKS

- PROVIDE IMPACT RESISTANT GYPSUM WALLBOARD TO 6" ABOVE FINISHED CEILING. PROVIDE 5/8" TYPE "X" GYPSUM WALLBOARD FROM 6" ABOVE FINISH CEILING TO STRUCTURAL DECK, WHERE REQUIRED BY WALL TYPE.



PIVOT NORTH ARCHITECTURE, P.L.L.C.  
1101 W. GROVE STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



Project:  
TWIN FALLS TRAINING FACILITY  
420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
Date: 11/25/2022  
Checked By: TB  
Drawn By: TBIAM

Sheet Name:

WALL TYPES, FLOOR TYPES, & RATED ASSEMBLIES

Sheet No:

G0.04

DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

FLOOR TYPES

1 1/2" = 1'-0"

<p><b>FLR-01</b></p> <p>FIRE RATING: STC RATING: FIRE TEST: STC RATING:</p> <p>INTERIOR</p>	<p><b>FLR-02</b></p> <p>FIRE RATING: STC RATING: FIRE TEST: STC RATING:</p> <p>INTERIOR</p>	<p><b>FLR-03</b></p> <p>FIRE RATING: STC RATING: FIRE TEST: STC RATING:</p> <p>INTERIOR</p>
---	---	---

Project Information  
Energy Code: 2018 IECC  
Project Title: Twin Falls - training facility 2022  
Location: Twin Falls, Idaho  
Climate Zone: 5b  
Project Type: New Construction  
Vertical Glazing / Wall Area: 2%

Construction Site: 420 Victory Ave, Twin Falls, Idaho 83301  
Owner/Agent: City of Twin Falls, 203 Main Ave, C, Twin Falls, Idaho 83301  
Designer/Contractor: Tad Bradley, Pivot North Architecture, 116 South 6th Street, Boise, Idaho 83702, 208-590-4255, tad@pivotnorthdesign.com

Additional Efficiency Packages)  
Credits: 1.0 Required, 1.0 Proposed, Enhanced Envelope Performance, 1.0 credit

Building Area table with columns: Building Area, Floor Area. Row: Apparatus Bay for Fire Training facility (Warehouse) - Nonresidential, 10414

Envelope Assemblies table with columns: Assembly, Gross Area or Perimeter, Cavity R-Value, Cont. R-Value, Proposed U-Factor, Budget U-Factor. Rows include Roof, Floor, and various wall types (EAST, NORTH, WEST, SOUTH).

Project Title: Twin Falls - training facility 2022  
Data filename: Page 1 of 9

Section # & Req. ID, Framing / Rough-In Inspection, Complies?, Comments/Assumptions. Rows include fenestration products, vertical fenestration SHGC, and door requirements.

Additional Comments/Assumptions:

Project Title: Twin Falls - training facility 2022  
Data filename: Page 1 of 9

Section # & Req. ID, Final Inspection, Complies?, Comments/Assumptions. Rows include weatherstripping, recessed luminaires, and building operations documents.

Additional Comments/Assumptions:

Project Title: Twin Falls - training facility 2022  
Data filename: Page 9 of 9

Envelope Assemblies table (continued) with columns: Assembly, Gross Area or Perimeter, Cavity R-Value, Cont. R-Value, Proposed U-Factor, Budget U-Factor.

Notes: (a) Budget U-factors are used for software baseline calculations ONLY... (c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

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.

Pre-engineered metal building to house a two-phase tenant improvement project. The first phase will be used as apparatus bays and supporting office, restroom, and utility space

Project Title: Twin Falls - training facility 2022  
Data filename: Page 2 of 9

Section # & Req. ID, Mechanical Rough-In Inspection, Complies?, Comments/Assumptions. Rows include stair/elevator shaft vents, outdoor air/exhaust systems, and damper requirements.

Additional Comments/Assumptions:

Project Title: Twin Falls - training facility 2022  
Data filename: Page 6 of 9

Energy Code: 2018 IECC  
Requirements: 4.0% were addressed directly in the COMcheck software  
Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen.

Section # & Req. ID, Plan Review, Complies?, Comments/Assumptions. Rows include plans/specifications, vertical fenestration area, skylight area, and enclosed spaces.

Additional Comments/Assumptions:

Project Title: Twin Falls - training facility 2022  
Data filename: Page 3 of 9

Section # & Req. ID, Rough-In Electrical Inspection, Complies?, Comments/Assumptions. Rows include dry-type distribution, electric motors, and elevator/moving walk compliance.

Additional Comments/Assumptions:

Project Title: Twin Falls - training facility 2022  
Data filename: Page 7 of 9

Section # & Req. ID, Footing / Foundation Inspection, Complies?, Comments/Assumptions. Rows include slab edge insulation and exterior insulation.

Additional Comments/Assumptions:

Project Title: Twin Falls - training facility 2022  
Data filename: Page 4 of 9

Section # & Req. ID, Insulation Inspection, Complies?, Comments/Assumptions. Rows include roof insulation, suspended ceiling, building envelope, above-grade wall, and floor insulation.

Additional Comments/Assumptions:

Project Title: Twin Falls - training facility 2022  
Data filename: Page 8 of 9



PIVOT NORTH ARCHITECTURE, PLLC  
1101 W. GROVE STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



Project: TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

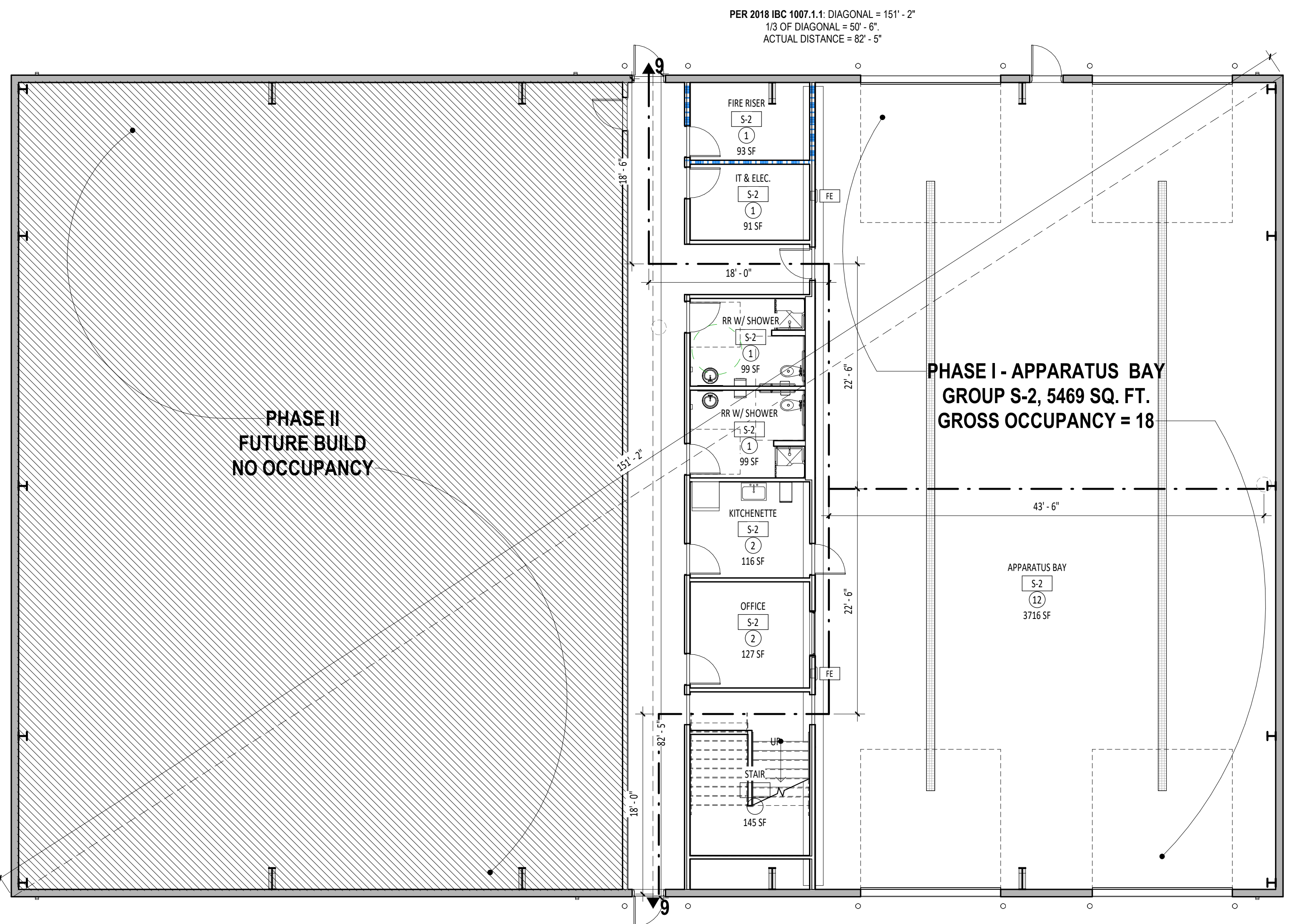
DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
Date: 11/25/2022  
Checked By: TB  
Drawn By: TB  
Sheet Name:

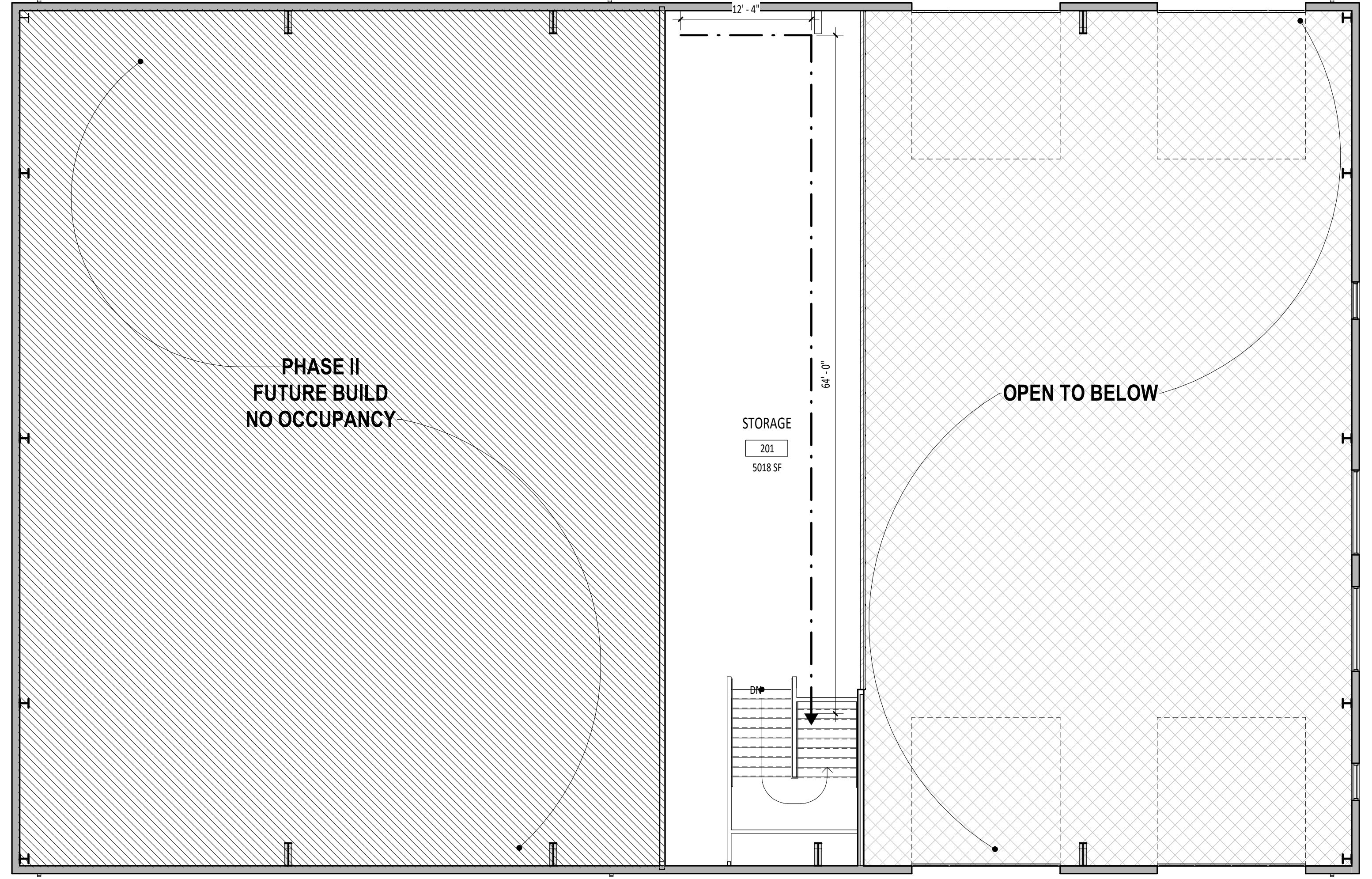
CODE AND ENERGY COMPLIANCE

Sheet No: G1.00

A  
B  
C  
D  
E



**C1 LEVEL 1 - EXITING AND OCCUPANCY PLAN**  
G2.01b 1/8" = 1'-0"



**E1 LEVEL 2 - EXITING AND OCCUPANCY**  
G2.01b 1/8" = 1'-0"

# TWIN FALLS FIRE DEPARTMENT TRAINING CENTER

## CODE ANALYSIS SUMMARY

**CODE ANALYSIS SUMMARY - 2018 IBC AND IFC**  
**Twin Falls Fire Department Training Facility**  
**TWIN FALLS FIRE DEPARTMENT TRAINING FACILITY**  
**TYPE OF CONSTRUCTION:** I-B  
**OCCUPANCY GROUPS:** S-2 (Phase I), U (Phase II)  
 Building is equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1. This is an engineered metal building and will be occupied via two construction phases. Phase I (S-2) will provide 2 apparatus bays and supporting spaces for general staff use and equipment storage. No timeline has been developed for the tenant improvement work of Phase II.

**JURISDICTION:**  
 Parcel ID: RPT08800001A  
 OWNERS: CITY OF TWIN FALLS, IDAHO  
 PO BOX 1907  
 TWIN FALLS, ID 83303

**ZONING INFORMATION:**  
 M-2: Heavy Manufacturing District - Industrial uses  
 USE CODE:  
 TAX CODE AREA:  
 TAXABLE:  
 PROPERTY TYPE:  
 TOTAL ACRES: 11.96249

**NEW CONSTRUCTION:** 2022/2023

**APPLICABLE CODES:**  
 2018 INTERNATIONAL BUILDING CODE (IBC), WITH IDAHO STATE AMENDMENTS  
 2018 INTERNATIONAL FIRE CODE (IFC)  
 2018 INTERNATIONAL MECHANICAL CODE (IMC)  
 2017 NATIONAL ELECTRICAL CODE (NEC)  
 2017 IDAHO STATE PLUMBING CODE - BASED ON THE 2015 UNIFORM PLUMBING CODE (UPC)

**ENERGY CODE:**  
 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), WITH IDAHO STATE AMENDMENTS

**ACCESSIBILITY CODES:**  
 2018 INTERNATIONAL BUILDING CODE - USED AS SAFE HARBOR  
 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN  
 2009 ICC A117.1-2009 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

**BUILDING SEPARATION:**  
 • NORTH SIDE: ESTIMATE Dist. to Property Line = 875'-0"  
 • EAST SIDE: ESTIMATE Interior Lot Line, Dist. to Property Line = 600'  
 • SOUTH SIDE: ESTIMATE Public Way, Dist. to Property Line = 675'  
 • WEST SIDE: ESTIMATE Interior Lot Line, Dist. to Building = 175'

**CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS**  
**HEIGHT CALCULATION - S-2 OCCUPANCY (MOST RESTRICTIVE) 2018 IBC 504.3**  
 HEIGHT ALLOWED = 75 FT. STORES ALLOWED = 4 (TABLE 504.3 AND 504.4)  
 ACTUAL HEIGHT = APPROX. 22'. ACTUAL STORES = 1  
 ALLOWABLE AREA, 2018 IBC TABLE 506.2: 78,000 SQ. FT. ACTUAL GROSS = 10,414 SQ. FT.

The building will be equipped with an automatic sprinkler system.

**CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS**  
 505.2 MEZZANINES  
 A MEZZANINE OR MEZZANINES IN COMPLIANCE WITH SECTION 505.2 SHALL BE CONSIDERED A PORTION OF THE STORY BELOW. SUCH MEZZANINES SHALL NOT CONTRIBUTE TO EITHER THE BUILDING AREA OR NUMBER OF STORES AS REGULATED BY SECTION 503.1. THE AREA OF THE MEZZANINE SHALL BE INCLUDED IN DETERMINING THE FIRE AREA. THE CLEAR HEIGHT ABOVE AND BELOW THE MEZZANINE FLOOR CONSTRUCTION SHALL BE NOT LESS THAN 7 FEET (2134 MM).  
 505.2.1 AREA LIMITATION.  
 THE AGGREGATE AREA OF A MEZZANINE OR MEZZANINES WITHIN A ROOM SHALL BE NOT GREATER THAN ONE-THIRD OF THE FLOOR AREA OF THAT ROOM OR SPACE IN WHICH THEY ARE LOCATED. THE ENCLOSED PORTION OF A ROOM SHALL NOT BE INCLUDED IN A DETERMINATION OF THE FLOOR AREA OF THE ROOM IN WHICH THE MEZZANINE IS LOCATED. IN DETERMINING THE ALLOWABLE MEZZANINE AREA, THE AREA OF THE MEZZANINE SHALL NOT BE INCLUDED IN THE FLOOR AREA OF THE ROOM. STORAGE MEZZANINE IS APPROXIMATELY 24% OF PHASE I FLOOR AREA.  
 EXCEPTIONS:  
 1. THE AGGREGATE AREA OF MEZZANINES IN BUILDINGS AND STRUCTURES OF TYPE I OR II CONSTRUCTION FOR SPECIAL INDUSTRIAL OCCUPANCIES IN ACCORDANCE WITH SECTION 903.1.1 SHALL BE NOT GREATER THAN TWO-THIRDS OF THE FLOOR AREA OF THE ROOM.  
 2. THE AGGREGATE AREA OF MEZZANINES IN BUILDINGS AND STRUCTURES OF TYPE I OR II CONSTRUCTION SHALL BE NOT GREATER THAN ONE-HALF OF THE FLOOR AREA OF THE ROOM IN BUILDINGS AND STRUCTURES EQUIPPED THROUGHOUT WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 AND AN APPROVED EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM IN ACCORDANCE WITH SECTION 907.5.2.2.  
 505.2.2 MEANS OF EGRESS.  
 THE MEANS OF EGRESS FOR MEZZANINES SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF CHAPTER 10.

REQUIRED SEPARATION OF OCCUPANCIES (HOURS) PER TABLE 508.4:  
 OCCUPANCY CLASSIFICATION FIRE SEPARATION FROM  
 S-2 APPARATUS BAY U NO SEPARATION REQUIRED

**CHAPTER 6 - TYPES OF CONSTRUCTION**  
 CONSTRUCTION TYPE: I-B

PRIMARY STRUCTURAL FRAME (HOURS):	0
BEARING WALLS-EXTERIOR (HOURS):	0
BEARING WALLS-INTERIOR (HOURS):	0
NONBEARING WALLS AND PARTITIONS-EXTERIOR (HOURS):	1
4' < X < 10'	1
10' < X < 30'	0
X > 30'	0
NONBEARING WALLS AND PARTITIONS INTERIOR (HOURS):	0
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS (HOURS):	0
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS (HOURS):	0

**CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES**  
**TABLE 705.8 - MAX. AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DIST. AND DEGREE OF OPENING PROTECTION:**

710.8 DUCTS AND AIR TRANSFER OPENINGS.  
 THE SPACE AROUND A DUCT PENETRATING A SMOKE PARTITION SHALL BE FILLED WITH AN APPROVED MATERIAL TO LIMIT THE FREE PASSAGE OF SMOKE. AIR TRANSFER OPENINGS IN SMOKE PARTITIONS SHALL BE PROVIDED WITH A SMOKE DAMPER COMPLYING WITH SECTION 717.3.2.2.  
 EXCEPTION: WHERE THE INSTALLATION OF A SMOKE DAMPER WILL INTERFERE WITH THE OPERATION OF A REQUIRED SMOKE CONTROL SYSTEM IN ACCORDANCE WITH SECTION 909, APPROVED ALTERNATIVE PROTECTION SHALL BE UTILIZED.

**CHAPTER 8 - INTERIOR FINISHES**  
 803.1 GENERAL. INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASSIFIED FOR FIRE PERFORMANCE AND SMOKE DEVELOPMENT IN ACCORDANCE WITH SECTION 803.1.1 OR 803.1.2, EXCEPT AS SHOWN IN SECTIONS 803.1.3 THROUGH 803.1.5. MATERIALS TESTED IN ACCORDANCE WITH SECTION 803.1.1 SHALL NOT BE REQUIRED TO BE TESTED IN ACCORDANCE WITH SECTION 803.1.2.

TABLE 803.13 INTERIOR WALL AND CEILING FINISH REQUIREMENTS	S-2
INTERIOR EXIT STAIRS	C
CORRIDORS	C
ROOMS	C

**CHAPTER 9 - FIRE PROTECTION AND LIFE SAFETY SYSTEMS**  
**EXIT ACCESS TRAVEL DISTANCE:** IN A GROUP S-2 OCCUPANCY EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1, MAXIMUM COMMON PATH OF EGRESS TRAVEL IN A SPRINKLERED BUILDING (FEET) 100'-0". EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED 400'-0". (TABLE 1017.2).

PER IBC SECTION 906.1 AND TABLE 906.3 (1), PROVIDE PORTABLE FIRE EXTINGUISHERS IN CABINETS:  
 2-A, MAX. FLOOR AREA = 11,250. AT LEAST ONE WILL BE PROVIDED FOR S-2 OCCUPANCY.

913.2.1 PROTECTION OF FIRE PUMP ROOMS.  
 FIRE PUMPS SHALL BE LOCATED IN ROOMS THAT ARE SEPARATED FROM ALL OTHER AREAS OF THE BUILDING BY 2-HOUR FIRE BARRIERS CONSTRUCTED IN ACCORDANCE WITH SECTION 707 OR 2-HOUR HORIZONTAL ASSEMBLIES CONSTRUCTED IN ACCORDANCE WITH SECTION 711, OR BOTH.  
 EXCEPTIONS:  
 1. IN OTHER THAN HIGH-RISE BUILDINGS, SEPARATION BY 1-HOUR FIRE BARRIERS CONSTRUCTED IN ACCORDANCE WITH SECTION 707 OR 1-HOUR HORIZONTAL ASSEMBLIES CONSTRUCTED IN ACCORDANCE WITH SECTION 711, OR BOTH, SHALL BE PERMITTED IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2.

**MEANS OF EGRESS - CHAPTER 10**  
**MAXIMUM EXIT ACCESS TRAVEL DISTANCE (FEET):**  
 (IBC TABLE 1017.2) - WITH SPRINKLER: S-2 STORAGE ALLOWED 400' ACTUAL 400'  
 U UTILITY 400' N/A  
**MAXIMUM COMMON PATH OF EGRESS TRAVEL (FEET):**  
 (IBC TABLE 1006.2.1) - OCC. LOAD = 34: S-2 STORAGE 100' N/A  
 U UTILITY 75'

MINIMUM CORRIDOR WIDTH (IBC 1002.2) 36"  
 MAXIMUM DEAD END CORRIDORS (IBC 1004.4) 50"

MINIMUM EXITS REQUIRED PER SPACE (IBC TABLE 1006.3.2) OCCUPANT LOAD 1-500 REQUIRED EXITS 2  
 MINIMUM STAIR WIDTH (IBC 1011.2, ETC. 1) 36"

**NOTES:**  
 EGRESS REQUIREMENTS:  
 1. REFER TO LIFE SAFETY PLANS FOR ADDITIONAL INFORMATION.

**ACCESSIBLE MEANS OF EGRESS - IBC**  
 1008.2.1 TWO EXITS ARE PROVIDED  
 TABLE 1006.2.1 - MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE (FEET)  
 S-2 100 FT. OCCUPANCY = 18  
 U 75 FT.

1007.1.1 EXCEPTION 2: WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2, THE SEPARATION DISTANCE SHALL BE NOT LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.  
 1008.3 EXIT ACCESS STAIRWAYS.  
 EXIT ACCESS STAIRWAYS THAT CONNECT LEVELS IN THE SAME STORY ARE NOT PERMITTED AS PART OF AN ACCESSIBLE MEANS OF EGRESS. EXCEPTION: EXIT ACCESS STAIRWAYS PROVIDING MEANS OF EGRESS FROM MEZZANINES ARE PERMITTED AS PART OF AN ACCESSIBLE MEANS OF EGRESS.  
 1010.1.9.1 DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE BY CHAPTER 11 SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.  
 THE REQUIRED CAPACITY OF STAIRWAYS SHALL BE DETERMINED AS SPECIFIED IN SECTION 1005.1, BUT THE MINIMUM WIDTH SHALL BE NOT LESS THAN 44 INCHES (1118 MM), SEE SECTION 1009.3 FOR ACCESSIBLE MEANS OF EGRESS STAIRWAYS, ETC. 3 - STAIRWAYS SERVING AN OCCUPANT LOAD OF LESS THAN 50 SHALL HAVE A WIDTH OF NOT LESS THAN 36 INCHES.  
 GUARDS (NOT LESS THAN 42") SHALL BE LOCATED ALONG OPEN-SIDED WALKING SURFACES, INCLUDING MEZZANINES.  
 1011.2 MINIMUM STAIR WIDTH = 36"  
 1012.2 EGRESS THROUGH INTERVENING SPACES 1. EGRESS FROM A ROOM OR SPACE SHALL NOT PASS THROUGH ADJOINING OR INTERVENING ROOMS OR AREAS, EXCEPT WHERE SUCH ADJOINING ROOMS OR AREAS AND THE AREA SERVED ARE ACCESSORY TO ONE OR THE OTHER. 2. AN EXIT ACCESS SHALL NOT PASS THROUGH A ROOM THAT CAN BE LOCKED TO PREVENT EGRESS.  
 TABLE 1007.2: EXIT ACCESS TRAVEL DISTANCE  
 OCCUPANCY ALLOWED (WITH SPRINKLER) ACTUAL  
 S-2 400 FT.  
 U 400 FT.

1020.2: MINIMUM CORRIDOR WIDTH 36"  
 1020.4: MAXIMUM DEAD-END CORRIDORS - WITH SPRINKLERS: 50 FT.  
 EGRESS REQUIREMENTS:  
 1. REFER TO LIFE SAFETY PLANS FOR ADDITIONAL INFORMATION.

**ACCESSIBILITY - CHAPTER 11:**  
 1102.1 BUILDINGS AND FACILITIES SHALL BE DESIGNED AND CONSTRUCTED TO BE ACCESSIBLE IN ACCORDANCE WITH THIS CODE AND ICC A117.1.  
 1104.1 AT LEAST ONE ACCESSIBLE ROUTE WITHIN THE SITE SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING, ACCESSIBLE PASSENGER LOADING ZONES, AND PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE BUILDING ENTRANCE SERVED.  
 1109.2 TOILET AND BATHING FACILITIES EXC. 3 - WHERE MULTIPLE SINGLE-USER TOILET ROOMS OR BATHING ROOMS ARE CLUSTERED AT A SINGLE LOCATION, AT LEAST 50 PERCENT BUT NOT LESS THAN ONE ROOM FOR EACH USE AT EACH CLUSTER SHALL BE ACCESSIBLE.

**INTERIOR ENVIRONMENT - CHAPTER 12:**  
 • OCCUPABLE SPACES, HABITABLE SPACES AND CORRIDORS SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 7 FT. 6 IN. BATHROOMS, TOILET ROOMS, KITCHENS, STORAGE ROOMS AND LAUNDRY ROOMS SHALL BE PERMITTED TO HAVE A CEILING HEIGHT OF NOT LESS THAN 7 FT. (2108.3).  
 • IN OTHER THAN DWELLING UNITS, TOILET, BATHING, AND SHOWER ROOM FLOOR FINISH MATERIALS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE. THE INTERSECTIONS OF SUCH FLOORS WITH WALLS SHALL HAVE A SMOOTH, HARD, NONABSORBENT INTERSECTING BASE THAT EXTENDS UPWARD ONTO THE WALLS NOT LESS THAN 4 IN. (1219.2.3).  
 • WALLS AND PARTITIONS WITHIN 2 FT. OF SERVICE SINKS, URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE, TO A HEIGHT OF 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 (2202.2).  
 EXCEPTIONS: THIS SECTION DOES NOT APPLY TO TOILET ROOMS THAT ARE NOT ACCESSIBLE TO THE PUBLIC AND WHICH HAVE NOT MORE THAN ONE WATER CLOSET.  
 • ACCESSORIES SUCH AS GRAB BARS, TOWEL BARS, PAPER DISPENSERS AND SOAP DISHES, PROVIDED ON OR WITHIN WALLS, SHALL BE INSTALLED AND SEALED TO PROTECT STRUCTURAL ELEMENTS FROM MOISTURE.

**ROOFING:**  
 1504.7 IMPACT RESISTANCE:  
 ROOF COVERINGS INSTALLED ON LOW-SLOPE ROOFS (ROOF SLOPE < 2:12) IN ACCORDANCE WITH SECTION 1507 SHALL RESIST IMPACT DAMAGE BASED ON THE RESULTS OF TESTS CONDUCTED IN ACCORDANCE WITH ASTM D3746, ASTM D4272 OR THE "RESISTANCE TO FOOT TRAFFIC TEST" IN SECTION 4.6.6 OF FM 4470.

**IFC TABLE 8105.2 - MINIMUM REQUIRED FIRE-FLOW AND FLOW DURATION FOR BUILDINGS**  
 8105.1 DECREASES - THE FIRE CODE OFFICIAL IS AUTHORIZED TO REDUCE THE FIRE-FLOW REQUIREMENTS FOR ISOLATED BUILDINGS OR A GROUP OF BUILDINGS IN RURAL AREAS OR SMALL COMMUNITIES WHERE THE DEVELOPMENT OF FULL FIRE-FLOW REQUIREMENTS IS IMPRACTICAL.

**IFC TABLE 1102.1 - NUMBER AND DISTRIBUTION OF FIRE HYDRANTS**

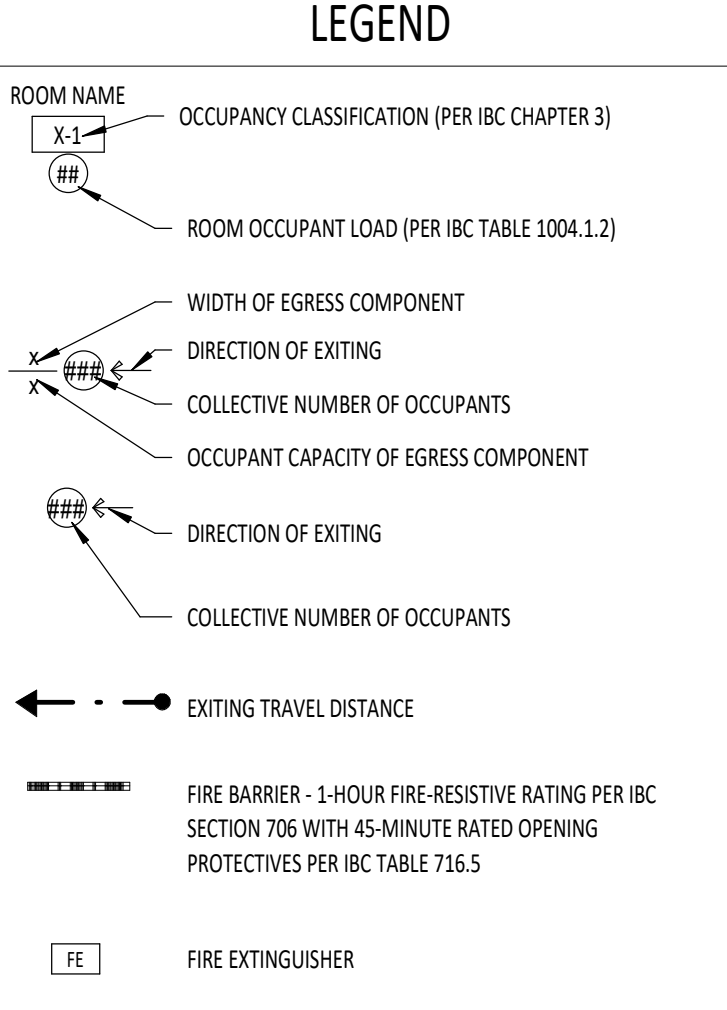
**PLUMBING FIXTURE COUNT SUMMARY**

**CHAPTER 29 PLUMBING SYSTEMS - TABLE 2902.1 - MIN. NUMBER OF REQUIRED PLUMBING FIXTURES**

OCCUPANT LOAD (PLANNED FOR PHASE II COMPLETE BUILD-OUT, PER IBC CHAPTER 10)  
 S-2 OCCUPANT COUNT 5,469 GROSS SQ. FT. - 18 OCCUPANTS  
 LOAD FACTOR ACCESSORY STORAGE - 300 SQ. FT. GROSS  
 9 MALE  
 9 FEMALE

**PLUMBING FIXTURE COUNT - 5 OCCUPANCY**

WATER CLOSETS:	1 PER 100 OCCUPANTS, 2 PROVIDED
LAVATORIES:	1 PER 100 OCCUPANTS, 2 PROVIDED
DRINKING FOUNTAINS:	1/2000 OCCUPANTS, 1 PROVIDED
SERVICE SINK:	1 REQUIRED



PIVOT NORTH ARCHITECTURE, PLLC  
 1101 W. GROVE STREET  
 BOISE, ID 83702  
 www.pivotnorthdesign.com

STAMP

RICE/fergusmiller

Project: TWIN FALLS TRAINING FACILITY  
 420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
 Date: 11/25/2022  
 Checked By: TB  
 Drawn By: TB  
 Sheet Name:

EXITING AND OCCUPANCY PLAN

Sheet No: G2.01b

1

2

3

4

5

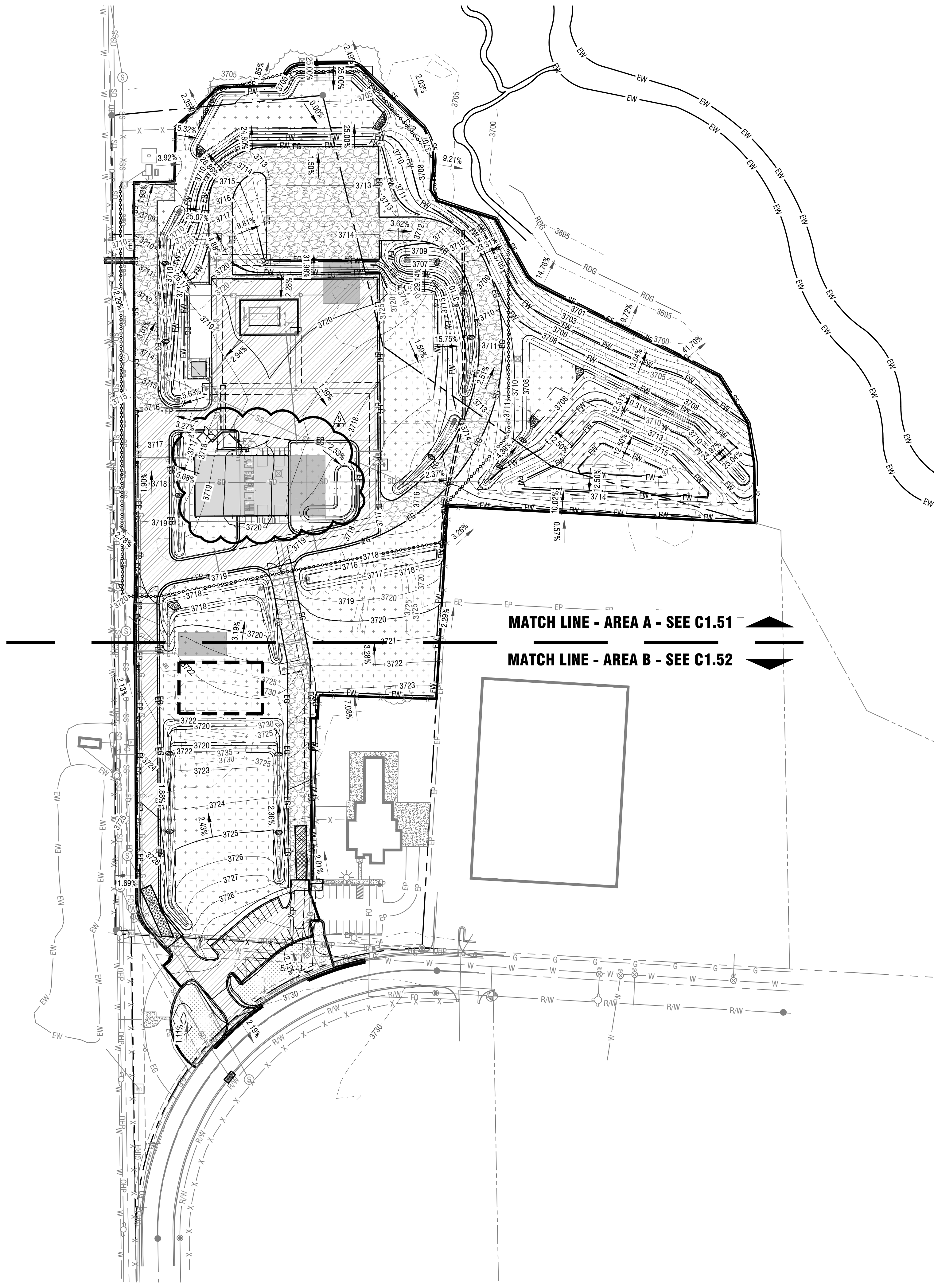
A

B

C

D

E



**SWPPP General Notes:**

- ALL BMP NUMBERS ARE REFERENCED FROM IDAHO DEQ BEST MANAGEMENT PRACTICES.
- ALL STORM WATER WILL BE CONTAINED ON SITE.
- ALL BMP'S SHALL BE INSPECTED AT A MINIMUM OF ONCE EVERY 7 DAYS -OR- ONCE EVERY 14 DAYS AND WITHIN 24 HOURS OF A STORM EVENT PRODUCING 0.25 INCHES OR GREATER. INSPECTION FREQUENCY MAY BE REDUCED TO ONCE EVERY MONTH IF:
  - THE ENTIRE SITE IS TEMPORARILY STABILIZED, OR
  - RUNOFF IS UNLIKELY DUE TO WINTER CONDITIONS, OR
  - CONSTRUCTION IS OCCURRING DURING SEASONAL ARID PERIODS (MAY THROUGH SEPTEMBER) IN ARID AREAS AND SEMI-ARID AREAS.
- DEWATERING IS NOT EXPECTED FOR THIS SITE. ONSITE SWPPP CONTRACTOR IS RESPONSIBLE FOR ALL NON-STORMWATER MANAGEMENT.
- STREET SWEEPING WILL BE IMPLEMENTED ON AN AS-NEEDED BASIS AS DETERMINED BY THE SWPPP RESPONSIBLE PERSON.
- PROVIDE WASTE CONTAINERS FOR BUILDING MATERIALS IN WASTE STORAGE CONTAINMENT AREA. WASTE DISPOSAL DUMPSTERS MUST HAVE LIDS, OR PROVIDE COVER OR A SIMILARLY EFFECTIVE MEANS TO MINIMIZE THE DISCHARGE OF POLLUTANTS. KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND AT THE END OF THE BUSINESS DAY. DISPOSE AT A FREQUENCY ACCORDING TO CONTAINER SIZE.
- LOCATE ALL PORTABLE RESTROOMS AS FAR FROM PUBLIC AND PRIVATE STORM DRAIN SYSTEMS AS POSSIBLE. ANCHOR TO PREVENT VANDALISM.
- SLURRY AND CUTTINGS FROM SAWCUTTING OF CONCRETE OR ASPHALT SHALL BE VACUUMED DURING CUTTING AND SURFACING OPERATIONS. SLURRY AND CUTTINGS SHALL NOT REMAIN ON PERMANENT CONCRETE OR ASPHALT PAVEMENT OVERNIGHT. SLURRY AND CUTTINGS SHALL NOT DRAIN TO ANY NATURAL OR CONSTRUCTED DRAINAGE CONVEYANCE. COLLECTED SLURRY AND CUTTINGS SHALL BE DISPOSED OF IN A MANNER THAT DOES NOT VIOLATE GROUNDWATER OR SURFACE WATER QUALITY STANDARDS.
- ALL EXCESS MATERIALS SHALL BE HAULED OFF SITE AND DISPOSED OF AT AN APPROVED LOCATION. EXCESS MATERIAL MAY BE TEMPORARILY STORED ON SITE (IF APPROVED BY THE OWNER) AT A PRE-APPROVED LOCATION. IF MATERIAL IS STOCKPILED FOR MORE THAN 14 DAYS STOCKPILE IS TO BE STABILIZED PER BMP #44.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE ISPPWC.
- SEE LANDSCAPE AND MATERIALS PLANS FOR INFORMATION CONCERNING FINAL SOIL STABILIZATION MEASURES.
- ALL GRADING, UTILITY, AND ROADWAY CONSTRUCTION SHALL BE LIMITED TO THE HOURS BETWEEN 7:00 A.M. AND 9:00 P.M. MONDAY THROUGH FRIDAY AND 8:00 A.M. TO 9:00 P.M. SATURDAY AND SUNDAY, UNLESS OTHERWISE APPROVED BY THE CONSTRUCTION MANAGER.
- ANY MODIFICATIONS TO THIS PLAN REQUIRE APPROVAL OF THE DESIGNER OR THE ONSITE RESPONSIBLE PERSON.
- TOTAL DISTURBED AREA FOR THIS ON-SITE WORK IS APPROXIMATELY: 12.75 ACRES.
- UPON CONTRACT APPROVAL BY THE CONTRACTOR, IT IS RECOGNIZED THAT THE CONTRACTOR HAS REVIEWED THE PLAN DRAWINGS AND THE CONTRACTOR AGREES TO ABIDE BY THE REQUIREMENTS AND CONDITIONS CONTAINED HEREIN.

**Soil Stabilization**

- IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFF-SITE IMPACTS.
- LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
- EXCEPT AS PROVIDED BELOW, STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
  - WHERE STABILIZATION BY THE 14th DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICAL.
  - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.

NOTE: ONE OF THE FOLLOWING TEMPORARY SOIL STABILIZATION PRACTICES SHALL BE IMPLEMENTED ON ALL DISTURBED AREAS AND/OR WHERE SHOWN ON PLAN, UNLESS CONDITIONS AS LISTED ABOVE DICTATE OTHERWISE:

- MULCHING (BMP 52) - APPLY GRAVEL, STRAW, GRASS, COMPOST, WOOD CHIPS OR WOOD FIBERS TO DISTURBED AREAS TO PREVENT EROSION. SEE APPENDIX F OF THE ESC/SWPPP NARRATIVE FOR A COMPLETE DESCRIPTION. **AND/OR:**
- GEOTEXTILE (BMP 53) - APPLY NONBIODEGRADABLE SYNTHETIC FABRIC TO DISTURBED AREAS TO PREVENT EROSION. SEE APPENDIX F OF THE ESC/SWPPP NARRATIVE FOR A COMPLETE DESCRIPTION. **AND/OR:**
- MATTING (BMP 54) - APPLY BIODEGRADABLE WOVEN OR JUTE FIBER MAT TO DISTURBED AREAS TO PREVENT EROSION. SEE APPENDIX F OF THE ESC/SWPPP NARRATIVE FOR A COMPLETE DESCRIPTION.

PERMANENT SOIL STABILIZATION BMP'S:  
LANDSCAPING (BMP 32) - COORDINATE WITH THE APPROVED LANDSCAPE PLAN FOR LOCATIONS AND TIMING.

**SWPPP Posting Requirements:**

- THE CONTRACTOR AND OWNER/DEVELOPER ARE RESPONSIBLE FOR APPLYING FOR OBTAINING THE EPA NOTICE OF INTENT (NOI).
- A COMPLETE COPY OF THE SWPPP (INCLUDING A COPY OF THE CONSTRUCTION GENERAL PERMIT AND COMPLETED INSPECTION FORMS), NOI, AND ACKNOWLEDGEMENT LETTER FROM EPA MUST BE RETAINED AT THE CONSTRUCTION SITE (OR OTHER LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS) AND MADE AVAILABLE FOR REVIEW BY EPA, A STATE, OR OTHER LOCAL APPROVING AGENCY.
- A SIGN OR OTHER NOTICE MUST BE POSTED IN A CONSPICUOUS LOCATION NEAR THE CONSTRUCTION ENTRANCE. THE SIGN OR OTHER NOTICE MUST CONTAIN THE FOLLOWING INFORMATION:
  - AT A MINIMUM, THE NOTICE MUST INCLUDE THE NPDES PERMIT TRACKING NUMBER AND A CONTACT NAME AND PHONE NUMBER FOR OBTAINING ADDITIONAL PROJECT INFORMATION AS WELL AS THE ADDRESS OF THE SITE. THE PERMIT HOLDER'S NAME AND THE PHONE NUMBER OF THE STORMWATER POLLUTION HOTLINE (208.395.8888) MUST BE DISPLAYED THROUGHOUT CONSTRUCTION.
  - THE UNIFORM RESOURCE LOCATOR (URL) FOR THE SWPPP (IF AVAILABLE), OR THE FOLLOWING STATEMENT: "IF YOU WOULD LIKE TO OBTAIN A COPY OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS SITE, CONTACT THE EPA REGIONAL OFFICE AT EPA REGION 10 STORMWATER PROGRAM MISHA VAKOC (VAKOC.MISHA@EPA.GOV) (206) 553-6650"
  - AND THE FOLLOWING STATEMENT "IF YOU OBSERVE INDICATORS OF STORMWATER POLLUTANTS IN THE DISCHARGE OR IN THE RECEIVING WATERBODY, CONTACT THE EPA THROUGH THE FOLLOWING WEBSITE: [HTTPS://WWW.EPA.GOV/ENFORCEMENT/REPORT-ENVIRONMENTAL-VIOLATIONS](https://www.epa.gov/enforcement/report-environmental-violations)"
  - THE NOTICE MUST BE LOCATED SO THAT IT IS VISIBLE FROM THE PUBLIC ROAD THAT IS NEAREST TO THE ACTIVE PART OF THE CONSTRUCTION SITE.
  - THE NOTICE MUST USE A FONT LARGE ENOUGH TO BE READILY VIEWED FROM A PUBLIC RIGHT-OF-WAY.
- THE SWPPP MUST BE SIGNED AND CERTIFIED IN ACCORDANCE WITH APPENDIX I, SECTION I.11 OF THE CONSTRUCTION GENERAL PERMIT.
- THE CONTRACTOR AND OWNER/DEVELOPER ARE RESPONSIBLE FOR OBTAINING THE EPA FORMS FOR N.O.T. (NOTICE OF TERMINATION).

**Contact Information**

**OWNER:** CITY OF TWIN FALLS  
203 MAIN AVE. EAST  
TWIN FALLS, ID 83301  
CONTACT: MANDI THOMPSON  
PH: 208.735.7237

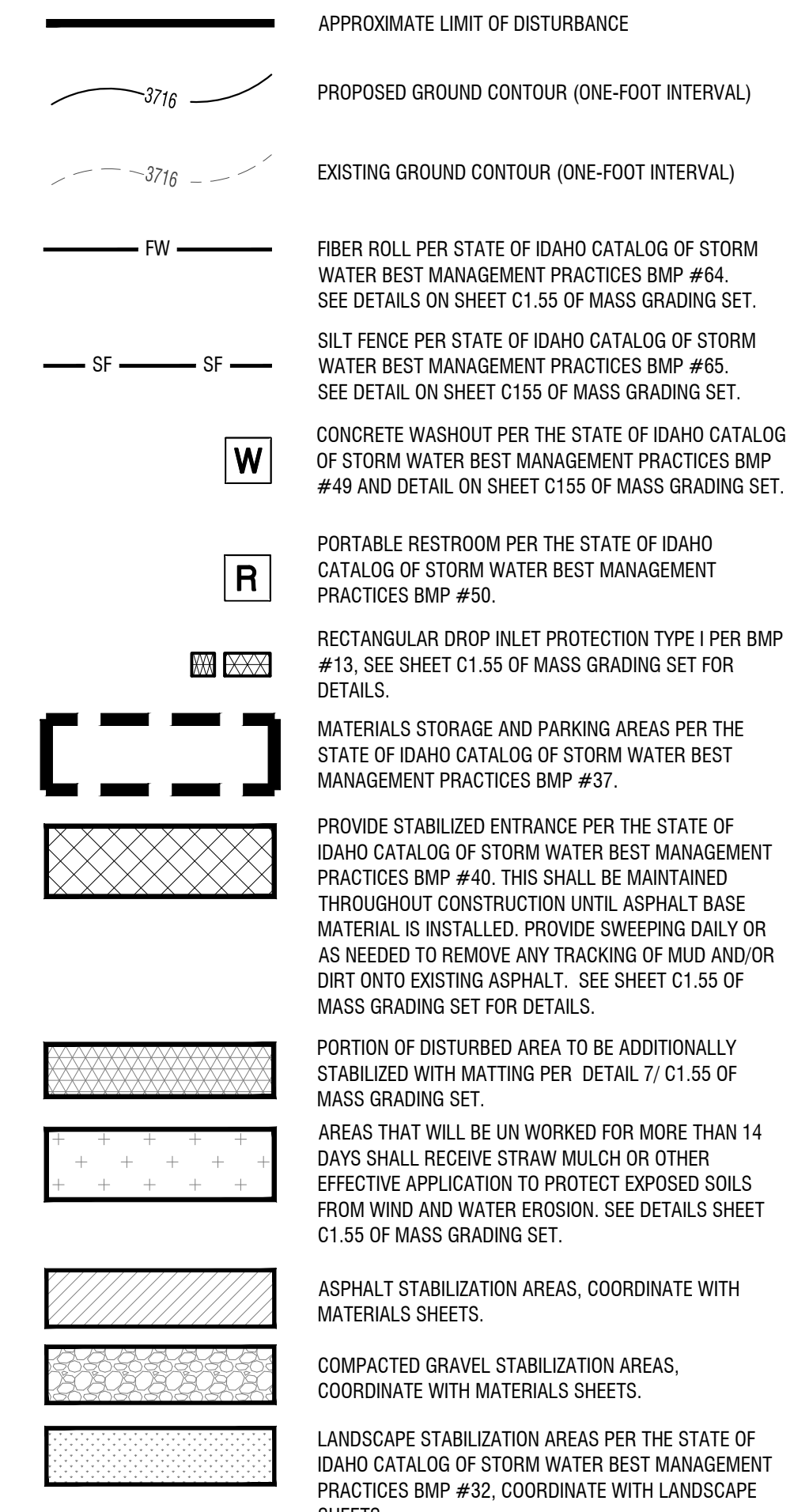
**CONTRACTOR:** STARR CORPORATION  
2995 E. 3600 N.  
TWIN FALLS, ID 83301  
CONTACT: MICHAEL ARRINGTON  
PH: 208.733.5695  
EMAIL: michael@starrcorporation.com

**ONSITE SWPPP COORDINATOR:** TO BE DETERMINED

**PLAN PREPARER:** THE LAND GROUP  
462 E. SHORE DR., SUITE 100  
EAGLE, ID 83616  
ROGER COLLINS  
PHONE: 208.939.4041  
roger@thelandgroupinc.com

**ENGINEER:** THE LAND GROUP, INC.  
462 E. SHORE DR., SUITE 100  
EAGLE, ID 83616  
ERIC CRONIN, PE  
PHONE: 208.939.4041

**ESC/SWPPP Legend**



PIVOT NORTH ARCHITECTURE, PLLC.  
1101 W. GROVE STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP:



Project:  
TWIN FALLS FIRE DEPARTMENT  
JIM BIERI REGIONAL FIRE  
TRAINING FACILITY  
430 VICTORY AVE  
TWIN FALLS, ID 83301



SITE PLAN ONLY PERMIT - CONSTRUCTION DOCUMENTS | BID SET

Revisions:  $\Delta$

REVISION	REVISION 1	12/21/2021
CITY	CITY COMMENTS	01/04/2022
PR-01	PR-01	05/02/2022
PR-02	PR-02	09/23/2022
AS001	AS-001	12/21/2022

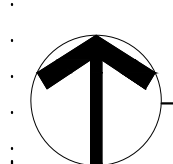
Project No: 120104  
Date: 02.04.2022  
Checked By: ECBS  
Drawn By: CRUL

Sheet Name:

Overall SWPPP Site Plan

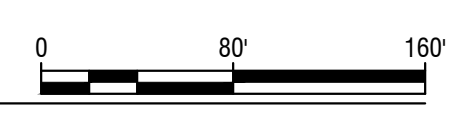
Sheet No:

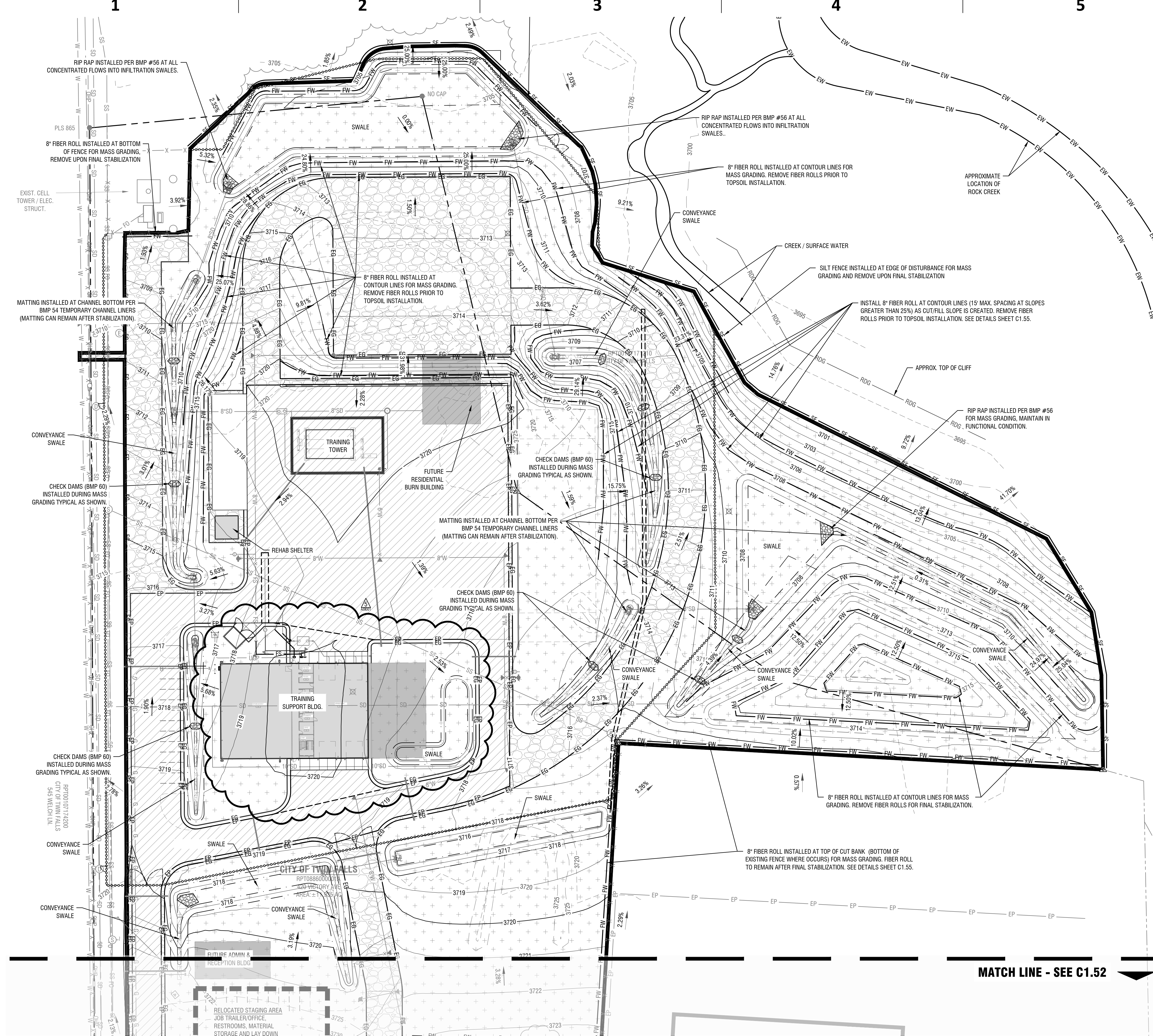
C1.50



**Overall SWPPP Site Plan - Site Plan Only Permit**

Horizontal Scale: 1" = 80'





- ### ESC/SWPPP Legend
- APPROXIMATE LIMIT OF DISTURBANCE
  - PROPOSED GROUND CONTOUR (ONE-FOOT INTERVAL)
  - EXISTING GROUND CONTOUR (ONE-FOOT INTERVAL)
  - FIBER ROLL PER STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES BMP #64. SEE DETAILS ON SHEET C1.55 OF MASS GRADING SET.
  - SILT FENCE PER STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES BMP #65. SEE DETAIL ON SHEET C155 OF MASS GRADING SET.
  - CONCRETE WASHOUT PER THE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES BMP #49 AND DETAIL ON SHEET C155 OF MASS GRADING SET.
  - PORTABLE RESTROOM PER THE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES BMP #50.
  - RECTANGULAR DROP INLET PROTECTION TYPE I PER BMP #13. SEE SHEET C1.55 OF MASS GRADING SET FOR DETAILS.
  - MATERIALS STORAGE AND PARKING AREAS PER THE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES BMP #37.
  - PROVIDE STABILIZED ENTRANCE PER THE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES BMP #40. THIS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION UNTIL ASPHALT BASE MATERIAL IS INSTALLED. PROVIDE SWEEPING DAILY OR AS NEEDED TO REMOVE ANY TRACKING OF MUD AND/OR DIRT ONTO EXISTING ASPHALT. SEE SHEET C1.55 OF MASS GRADING SET FOR DETAILS.
  - PORTION OF DISTURBED AREA TO BE ADDITIONALLY STABILIZED WITH MATTING PER DETAIL 7/C1.55 OF MASS GRADING SET.
  - AREAS THAT WILL BE UNWORKED FOR MORE THAN 14 DAYS SHALL RECEIVE STRAW MULCH OR OTHER EFFECTIVE APPLICATION TO PROTECT EXPOSED SOILS FROM WIND AND WATER EROSION. SEE DETAILS SHEET C1.55 OF MASS GRADING SET.
  - ASPHALT STABILIZATION AREAS, COORDINATE WITH MATERIALS SHEETS.
  - COMPACTED GRAVEL STABILIZATION AREAS, COORDINATE WITH MATERIALS SHEETS.
  - LANDSCAPE STABILIZATION AREAS PER THE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES BMP #32, COORDINATE WITH LANDSCAPE SHEETS.

SITE PLAN ONLY PERMIT - CONSTRUCTION DOCUMENTS | BID SET



PIVOT NORTH ARCHITECTURE, PLLC.  
1101 W. GROVE STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com



Project:  
**TWIN FALLS FIRE DEPARTMENT  
JIM BIERI REGIONAL FIRE  
TRAINING FACILITY**  
430 VICTORY AVE  
TWIN FALLS, ID 83301



Revisions:

REVISION	DESCRIPTION	DATE
REV1	REVISION 1	12/21/2021
CITY	CITY COMMENTS	01/04/2022
PR-01	PR-01	05/02/2022
PR-02	PR-02	09/23/2022
ASH-001	ASH-001	12/21/2022

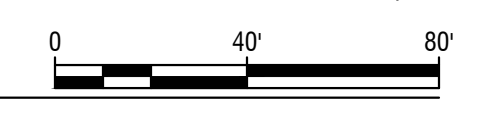
Project No: 120104  
Date: 02.04.2022  
Checked By: EC/BS  
Drawn By: CRJL

Sheet Name:  
**SWPPP Site Plan -  
Area A**

Sheet No:  
**C1.51**

**SWPPP Site Plan - Area A**

Horizontal Scale: 1" = 40'





1 2 3 4 5

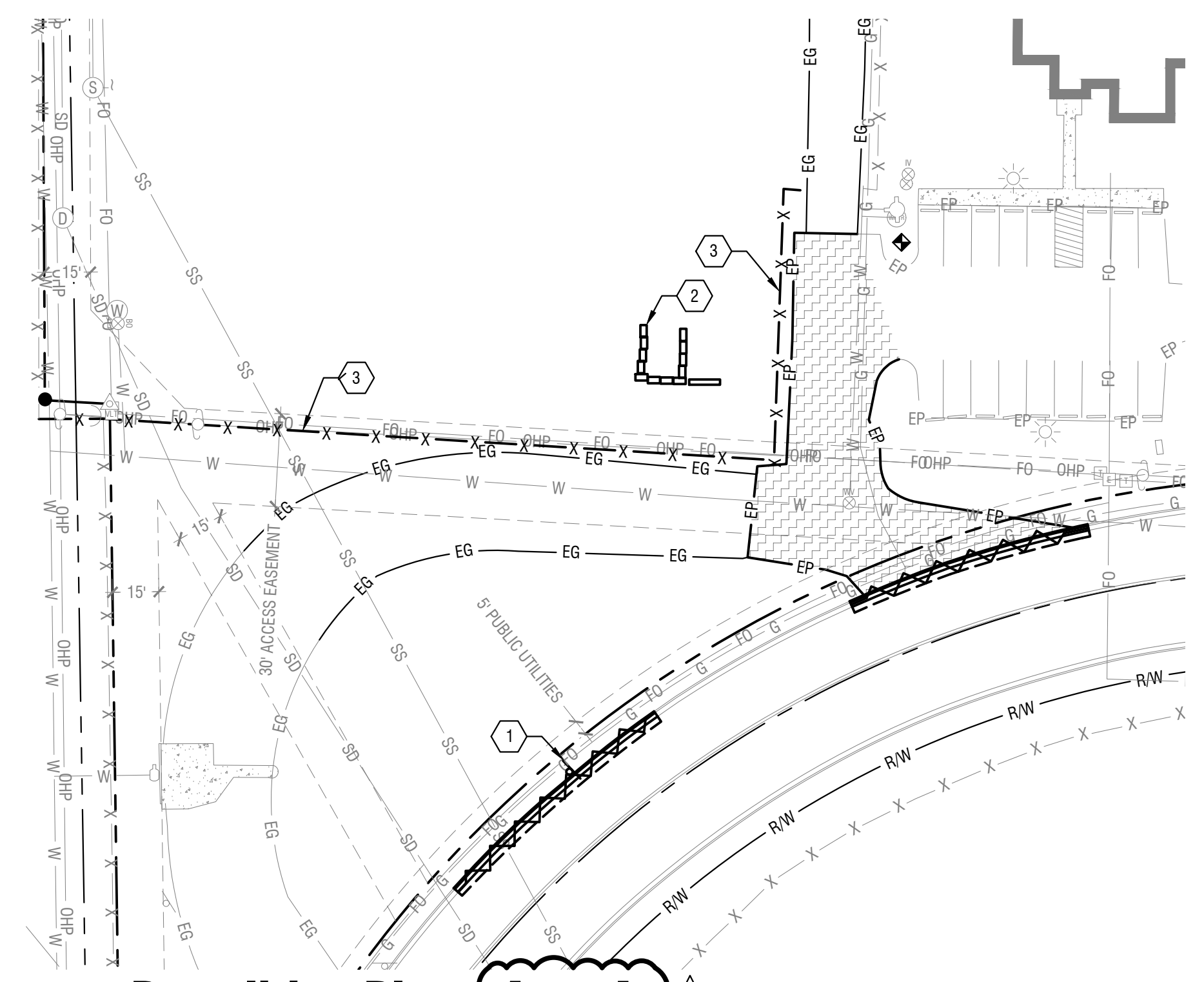
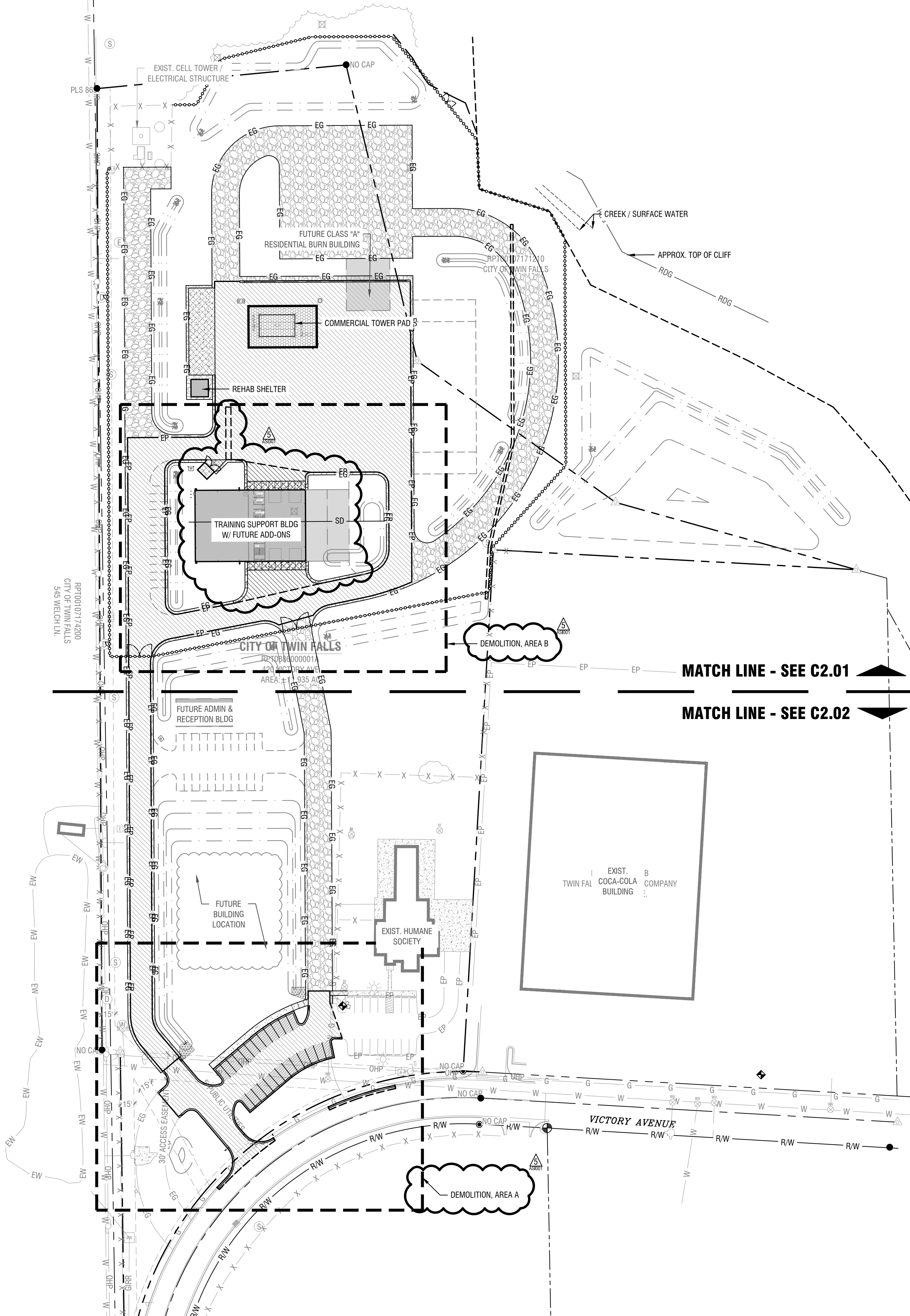
A

B

C

D

E



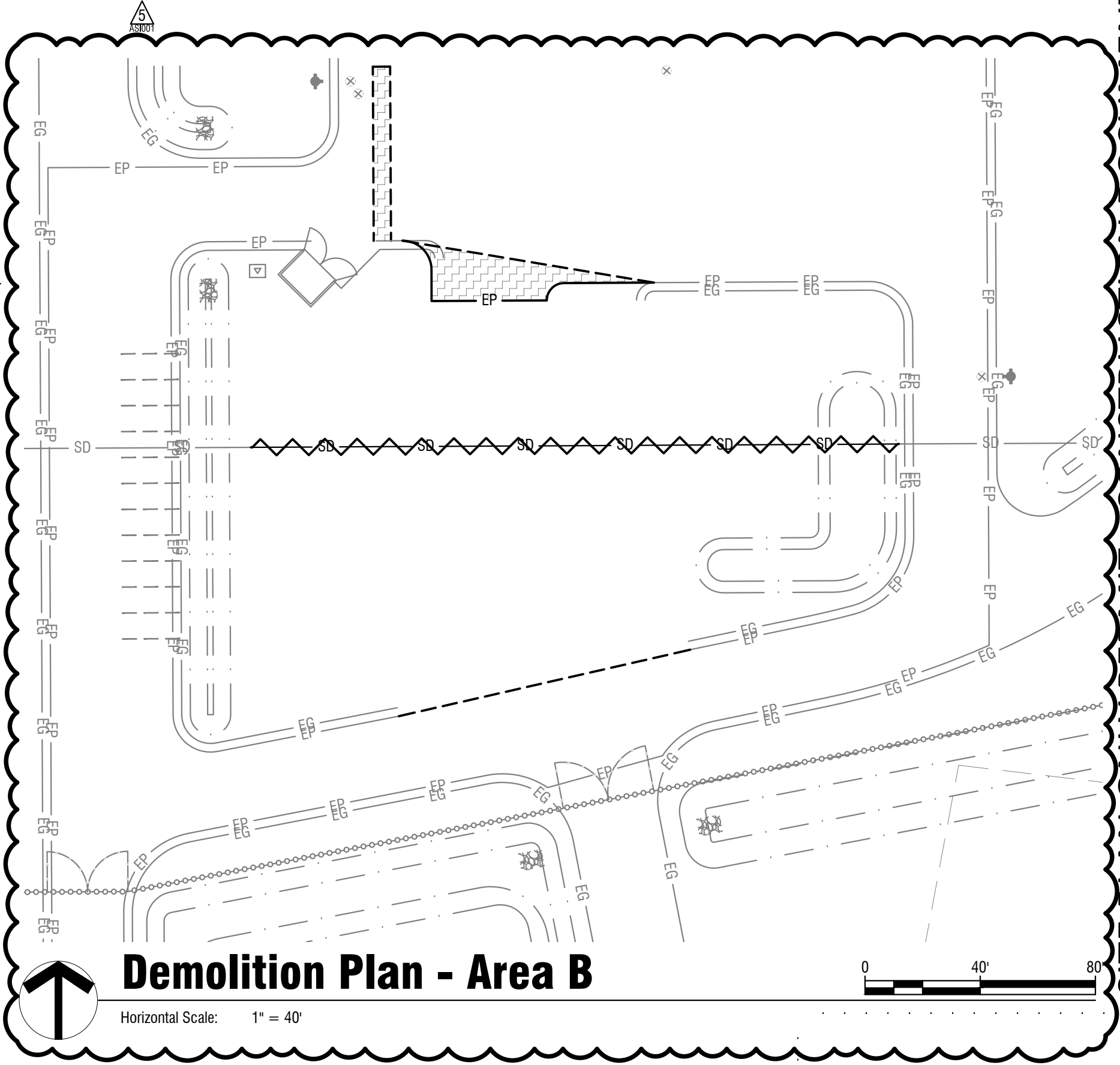
**Demolition Plan - Area A**  
Horizontal Scale: 1" = 40'

**Demolition Keynotes:**

- REMOVE AND SALVAGE SIGN, REFER TO C2.02 FOR INSTALLATION LOCATION.
- CONCRETE BLOCK STOCKPILE, COORDINATE REMOVAL WITH OWNER FOR DESTINATION LOCATION.
- REMOVE AND DISPOSE OF FENCING AND ALL RELATED APPURTENANCES OFFSITE.

**Demolition Legend:**

- REMOVE AND DISPOSE OF HARDSCAPE OFFSITE.
- SAWCUT LINE
- 10-IN CLAY UNDERDRAIN OR CURB & GUTTER TO BE REMOVED
- FENCE TO BE REMOVED



**Demolition Plan - Area B**  
Horizontal Scale: 1" = 40'



PIVOT NORTH ARCHITECTURE, PLLC.  
1101 W. GROVE STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP:



**Project:**  
TWIN FALLS FIRE DEPARTMENT  
JIM BIERI REGIONAL FIRE  
TRAINING FACILITY  
430 VICTORY AVE  
TWIN FALLS, ID 83301



**Revisions:**

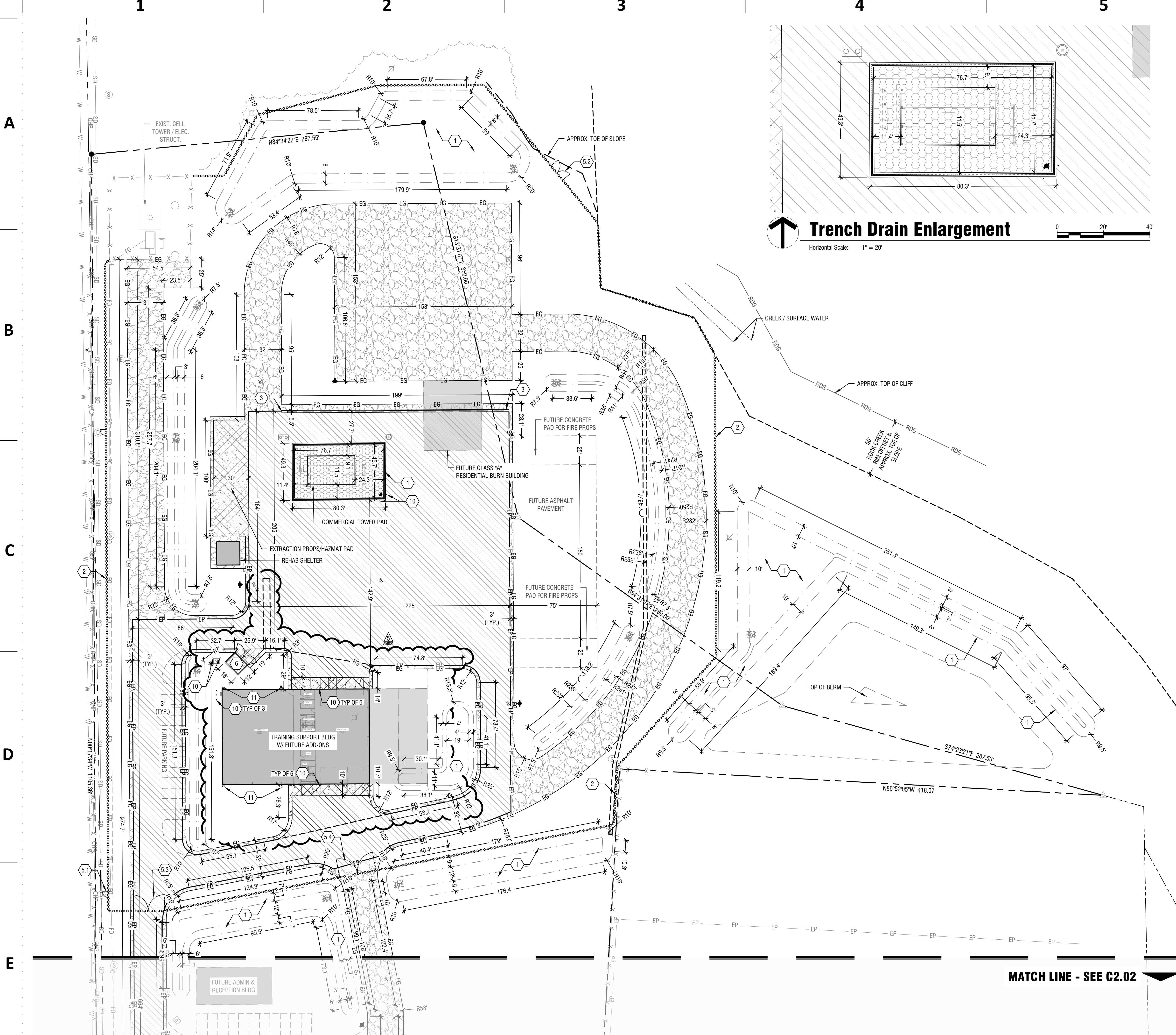
REVISION	DATE
REVISION 1	12/21/2021
CITY COMMENTS	01/04/2022
PR-01	05/02/2022
PR-02	09/23/2022
ASI-001	12/21/2022

**Project No:** 120104  
**Date:** 02.04.2022  
**Checked By:** EC/BS  
**Drawn By:** CRJL

**Sheet Name:**  
Site Layout & Materials Plan - Overall & Demolition

**Sheet No:**  
C2.00

SITE PLAN ONLY PERMIT - CONSTRUCTION DOCUMENTS | BID SET



- Sheet Notes:**
- CONTRACTOR SHALL COMPLY WITH ALL CONSTRUCTION NOTES, ON PLAN SHEET C0.00.
  - REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.
  - CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LAYOUT OF PROPOSED IMPROVEMENTS RELATIVE TO EXISTING BUILDINGS AND SITE, BRINGING ANY DISCREPANCIES TO THE ATTENTION OF THE ENGINEER PRIOR TO COMMENCING WORK.
  - UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE MEASURED FROM FACE OF CURB, EDGE OF WALK, EDGE OF PAVEMENT, EDGE OF FOUNDATION, EDGE OF WALLS OR EDGE OF GRAVEL, WHERE EDGE OF GRAVEL IS DIMENSIONED ADJACENT TO EDGE OF PAVEMENT, EDGE OF PAVEMENT IS 3-FT FROM EDGE OF GRAVEL.
  - GRAVEL SECTION THICKNESS ACCOMMODATES FUTURE PAVING EFFORTS. TOP 3" WILL BE REMOVED TO ALLOW INSTALLATION OF 3" ASPHALT DEPTH.

- Keynotes:**
- PROPOSED STORM WATER INFILTRATION FACILITY OR STRUCTURE, REFER TO SHEET C4.01 & C5.01 FOR MORE INFORMATION.
  - INSTALL 6-FT CHAIN LINK FENCE AND GATES WHERE APPLICABLE, EXTENTS AND GATE LOCATIONS SHALL BE CONFIRMED WITH OWNER PRIOR TO INSTALLATION.
  - INSTALL CURB TERMINUS PER ISPPWC SD-707.
  - PROVIDE NEAT SAW CUT LINE OF ASPHALT AND/OR CONCRETE.
  - INSTALL MANUAL GATE, REFER TO SPECIFICATION SECTION 32.31.3.
    - 5-FT MAN GATE
    - 8-FT DUAL MANUAL SWING GATE
    - 14-FT DUAL MANUAL SWING GATE
    - 16-FT DUAL MANUAL SWING GATE
  - CMU BLOCK TRASH ENCLOSURE WITH LOCKING GATE, DIMENSIONED PER PLAN. ADDITIONAL DETAILS SHALL BE SUBMITTED WITH BUILDING PERMIT PLANS. CONCRETE PAD ASSUMED TO BE 6-IN SOG WITH #5 REBAR, SPACED 1-FT O.C., TO BE CONFIRMED BY STRUCTURAL ENGINEER.
  - WHITE PAVEMENT MARKING PER SPECIFICATION SECTION 32.13.13.
  - INSTALL 30-IN x 30-IN STOP SIGN (R1-1) PER ISPPWC SD-1130.
  - REINSTALL CHEVRON SYMBOL SIGN, SIMILAR TO ISPPWC SD-1130.
  - INSTALL STEEL BOI LARD PER DETAIL 9/C2.50.
  - INSTALL 12" x 24" PRECAST CONCRETE SPLASH BLOCK. COORDINATE LOCATION WITH ARCHITECTURAL DOWNSPOUT.

- Material & Line Legend:**
- HEAVY DUTY ASPHALT PAVEMENT PER DETAIL 1/C2.50.
  - LIGHT DUTY ASPHALT PAVEMENT PER DETAIL 2/C2.50.
  - GRAVEL ROAD PER DETAIL 3/C2.50.
  - HEAVY DUTY CONCRETE PER DETAIL 4/C2.50.
  - LIGHT DUTY CONCRETE PER CITY OF TWIN FALLS STANDARD DRAWING TFSO-709, REFER TO PLAN FOR DIMENSIONS.
  - STRUCTURAL CONCRETE SECTION, REFER TO STRUCTURAL PLANS FOR ADDITIONAL INFORMATION.
  - INSTALL 8-IN DEPTH OF D<sub>50</sub> = 0.33" ANGULAR RIPRAP ABOVE DRAINAGE GEOTEXTILE.
  - CURB & CATCH PLATE GUTTER PER DETAIL 7/C2.50.
  - CURB & REVERSE PLATE GUTTER PER DETAIL 6/C2.50.
  - 6-FT CHAIN LINK FENCE PER SPECIFICATION SECTION 32.31.13.
  - GATE, REFER TO KEYNOTES AND SPECIFICATION SECTION 32.31.3.

**SITE PLAN ONLY PERMIT - CONSTRUCTION DOCUMENTS | BID SET**

**Project:**  
 TWIN FALLS FIRE DEPARTMENT  
 JIM BIERI REGIONAL FIRE  
 TRAINING FACILITY  
 430 VICTORY AVE  
 TWIN FALLS, ID 83301

**Revisions:**

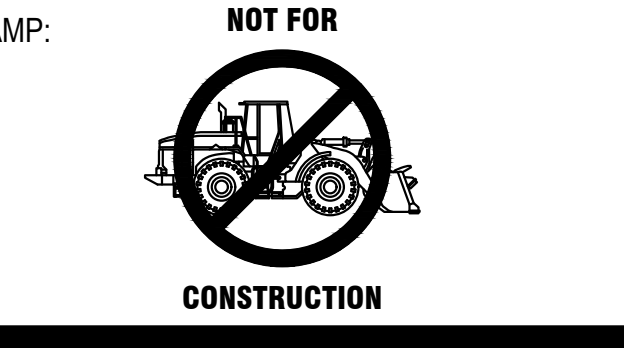
REVISION	DATE
REVISION 1	12/21/2021
CITY COMMENTS	01/04/2022
PR-01	05/02/2022
PR-02	09/23/2022
ASI-001	12/21/2022

**Project No:** 120104  
**Date:** 02.04.2022  
**Checked By:** ECBS  
**Drawn By:** CRUL

**Sheet Name:**  
 Site Layout &  
 Materials Plan - Area  
 A

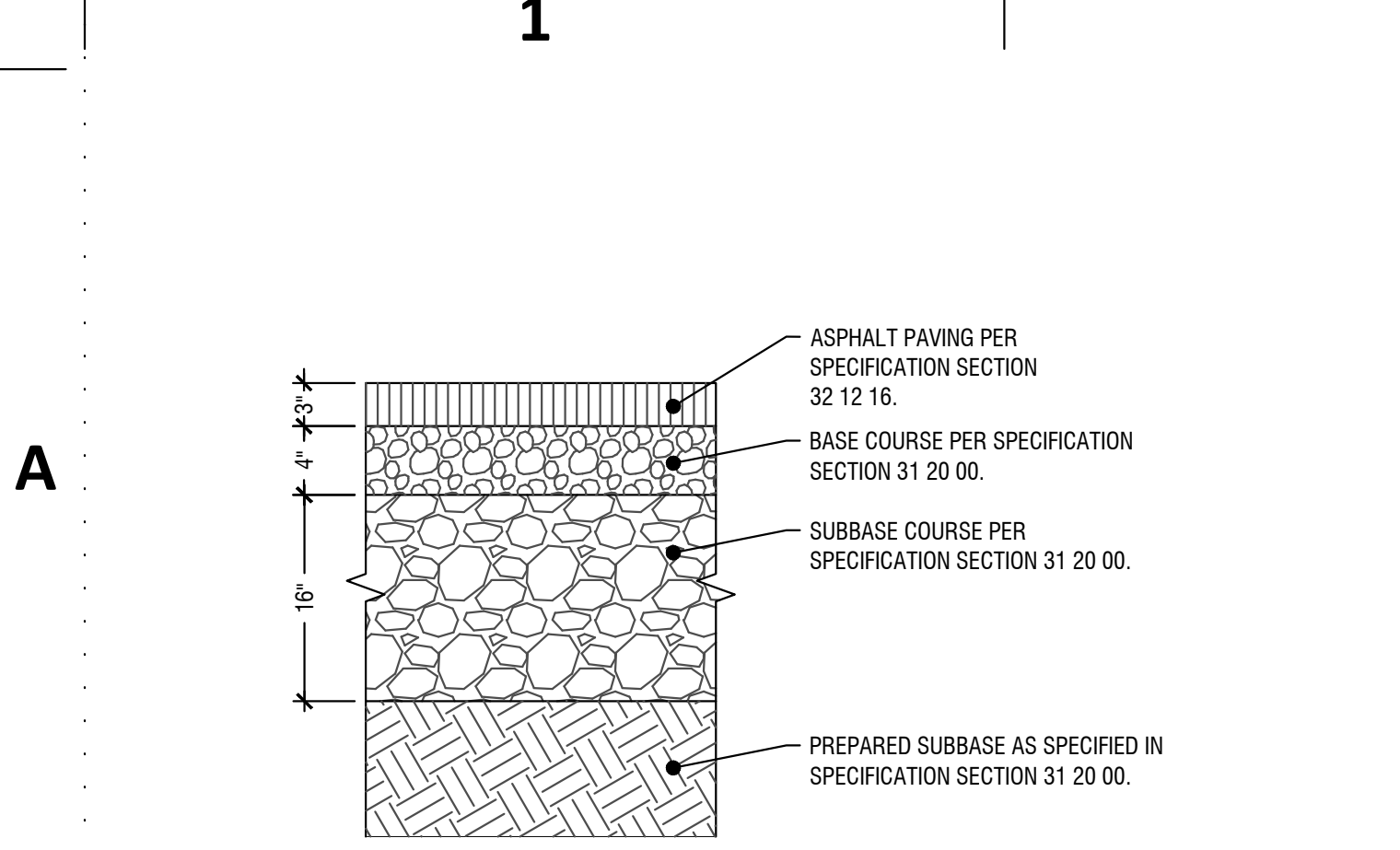


PIVOT NORTH ARCHITECTURE, PLLC.  
 1101 W. GROVE STREET  
 BOISE, ID 83702  
 www.pivotnorthdesign.com

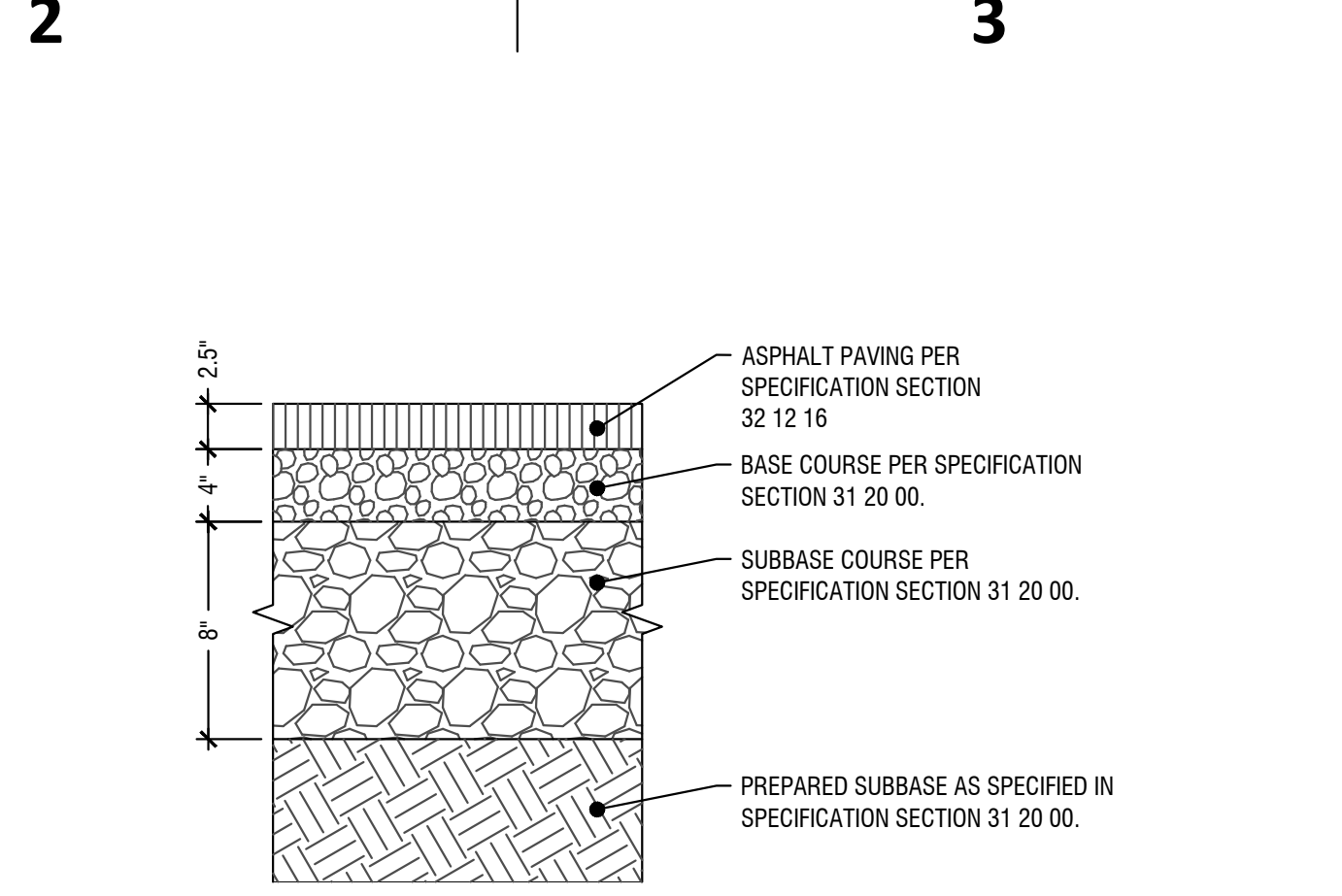


**Site Layout & Materials Plan - Area A**  
 Horizontal Scale: 1" = 40'

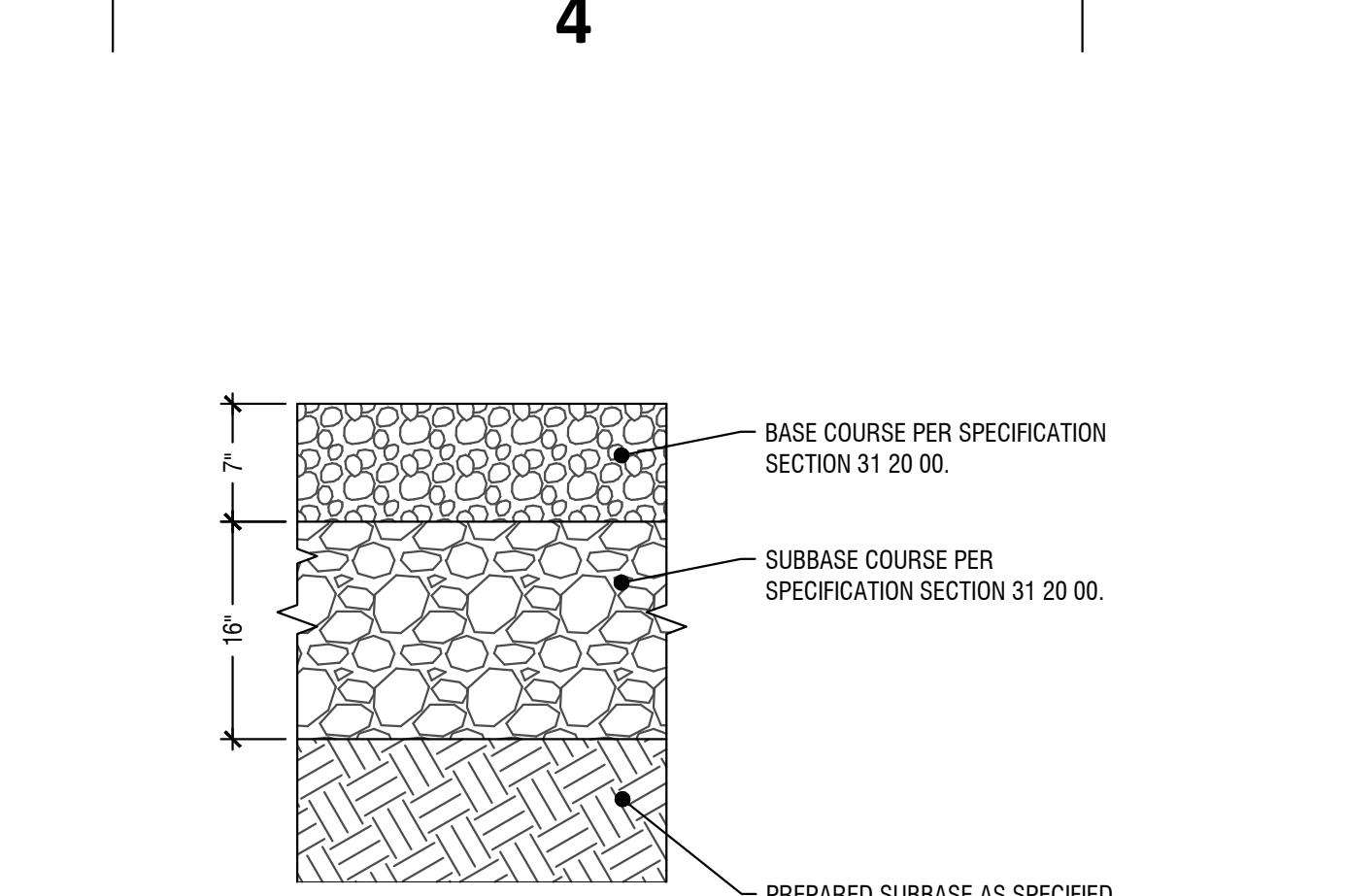
Sheet No:  
**C2.01**



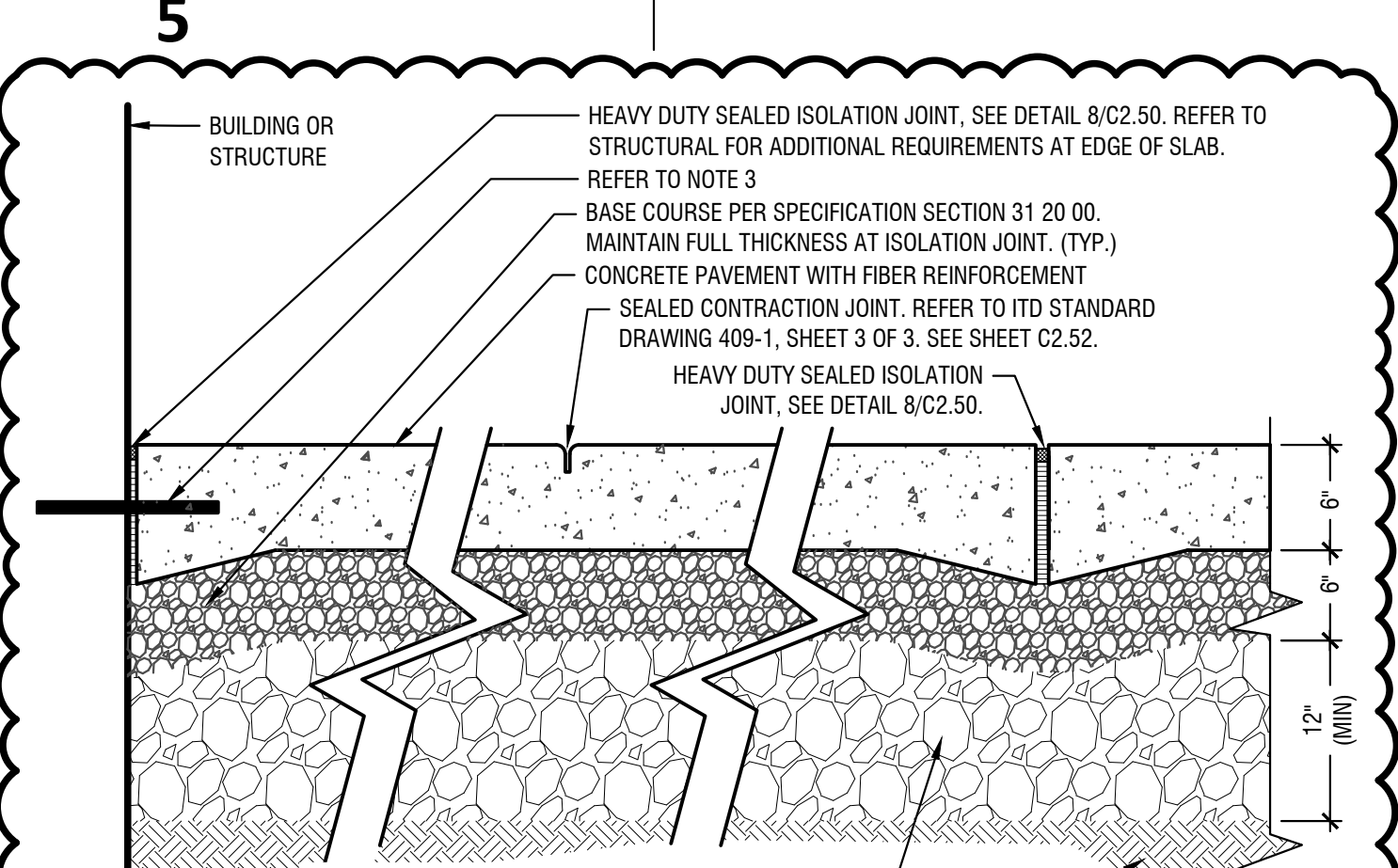
**1 Heavy Duty Asphalt Section**  
Scale: NTS



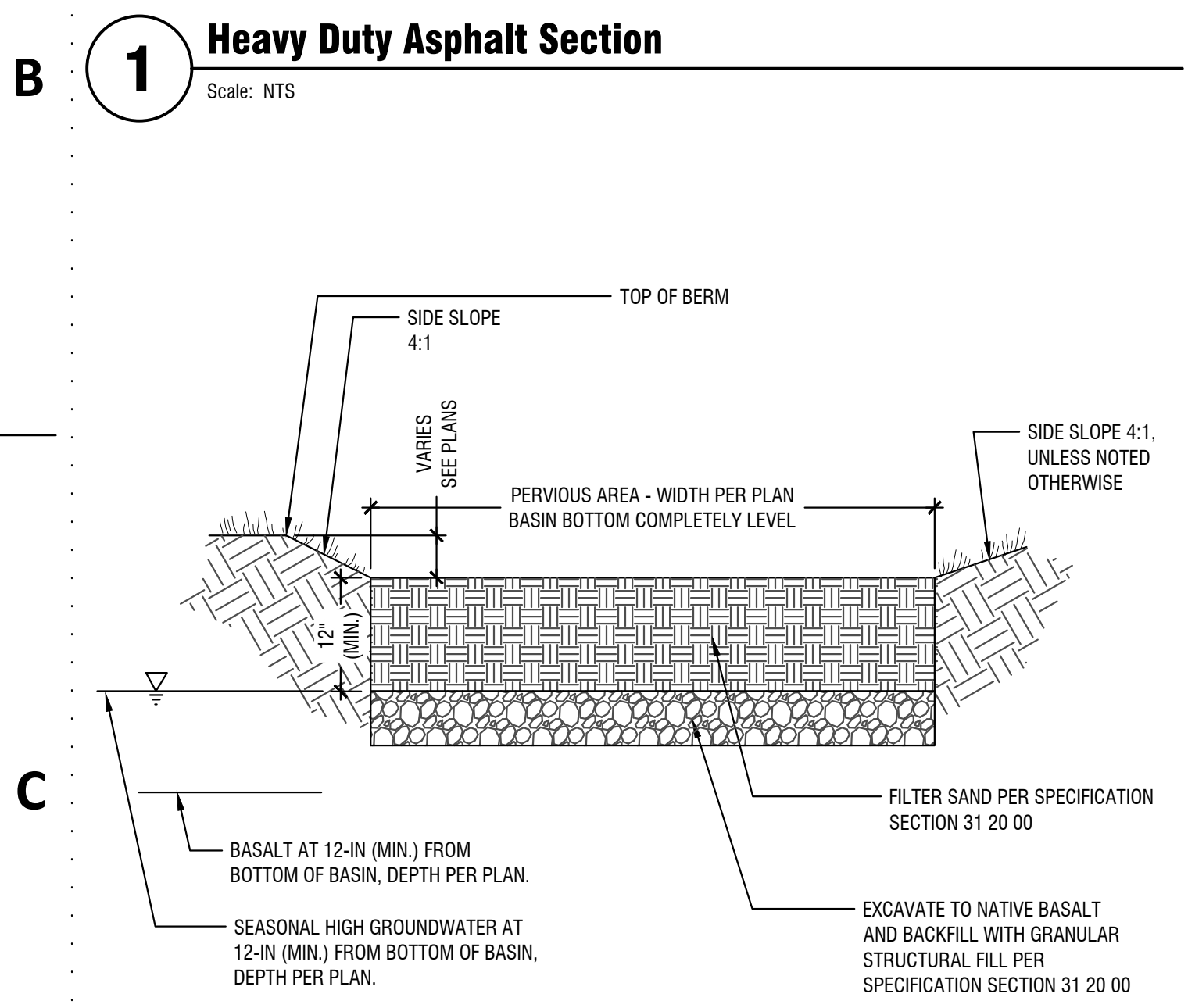
**2 Light Duty Asphalt Section**  
Scale: NTS



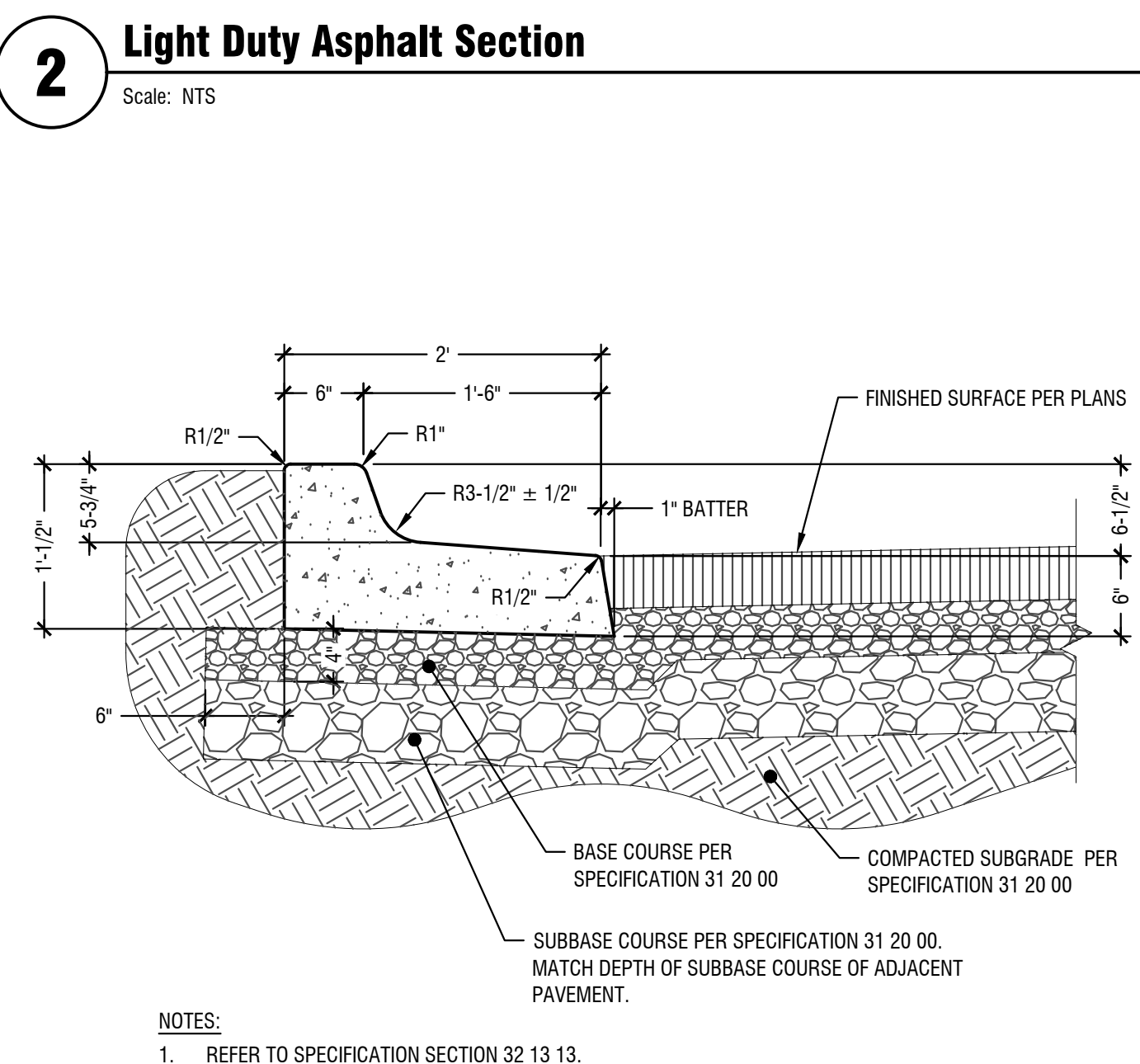
**3 Gravel Road Section**  
Scale: NTS



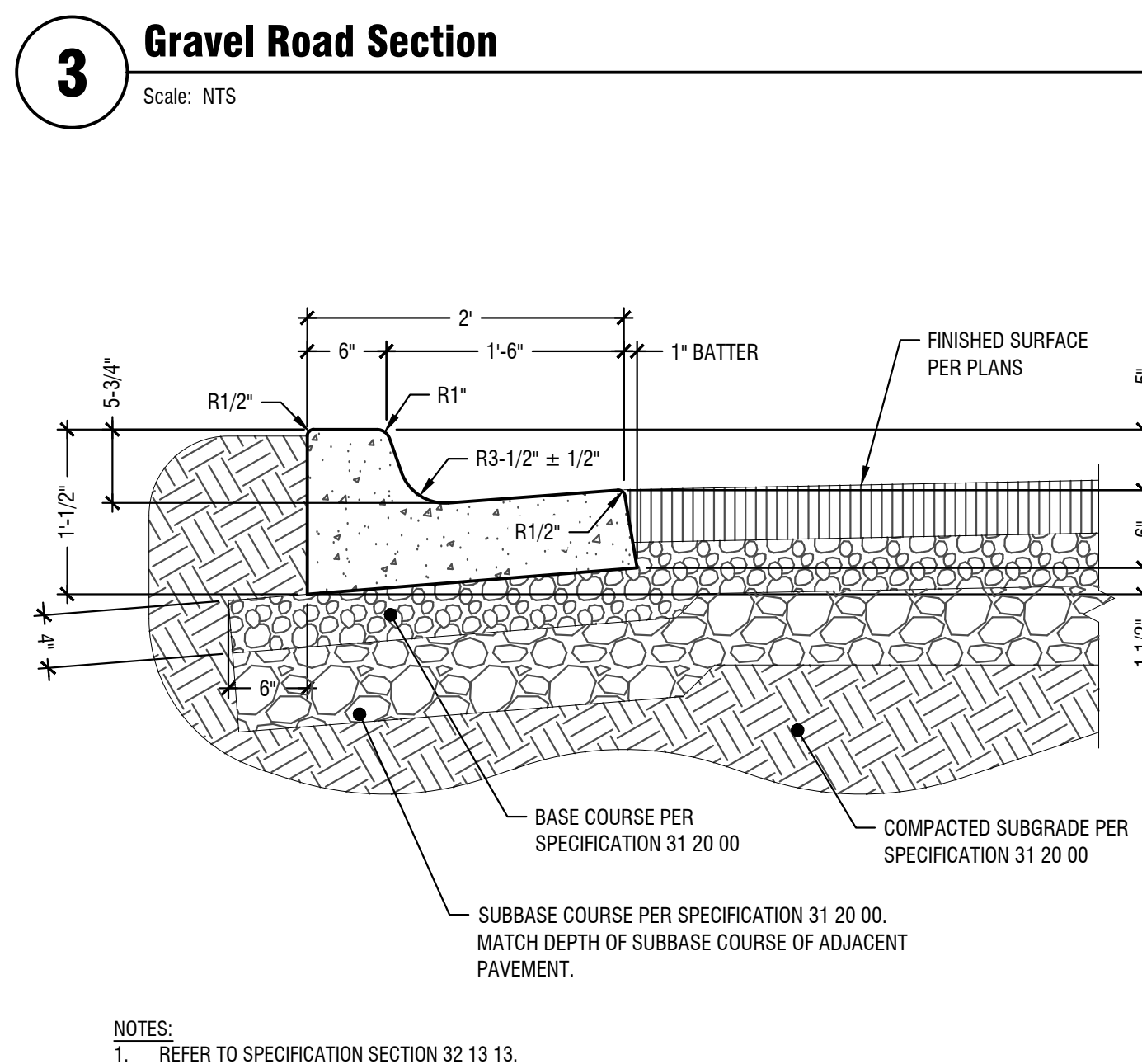
**4 Heavy Duty Concrete Flatwork**  
Scale: NTS



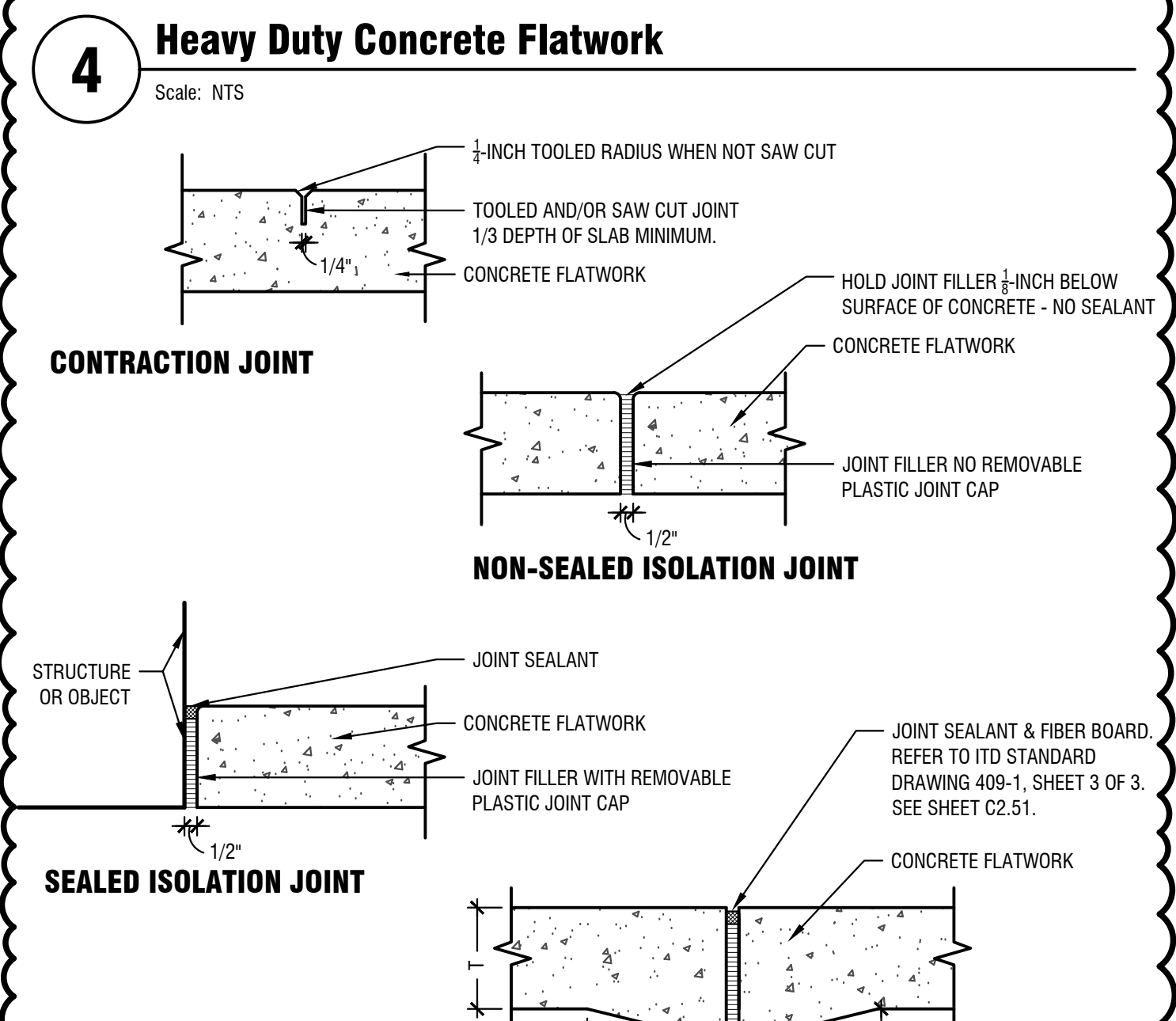
**5 Infiltration Swale**  
Scale: NTS



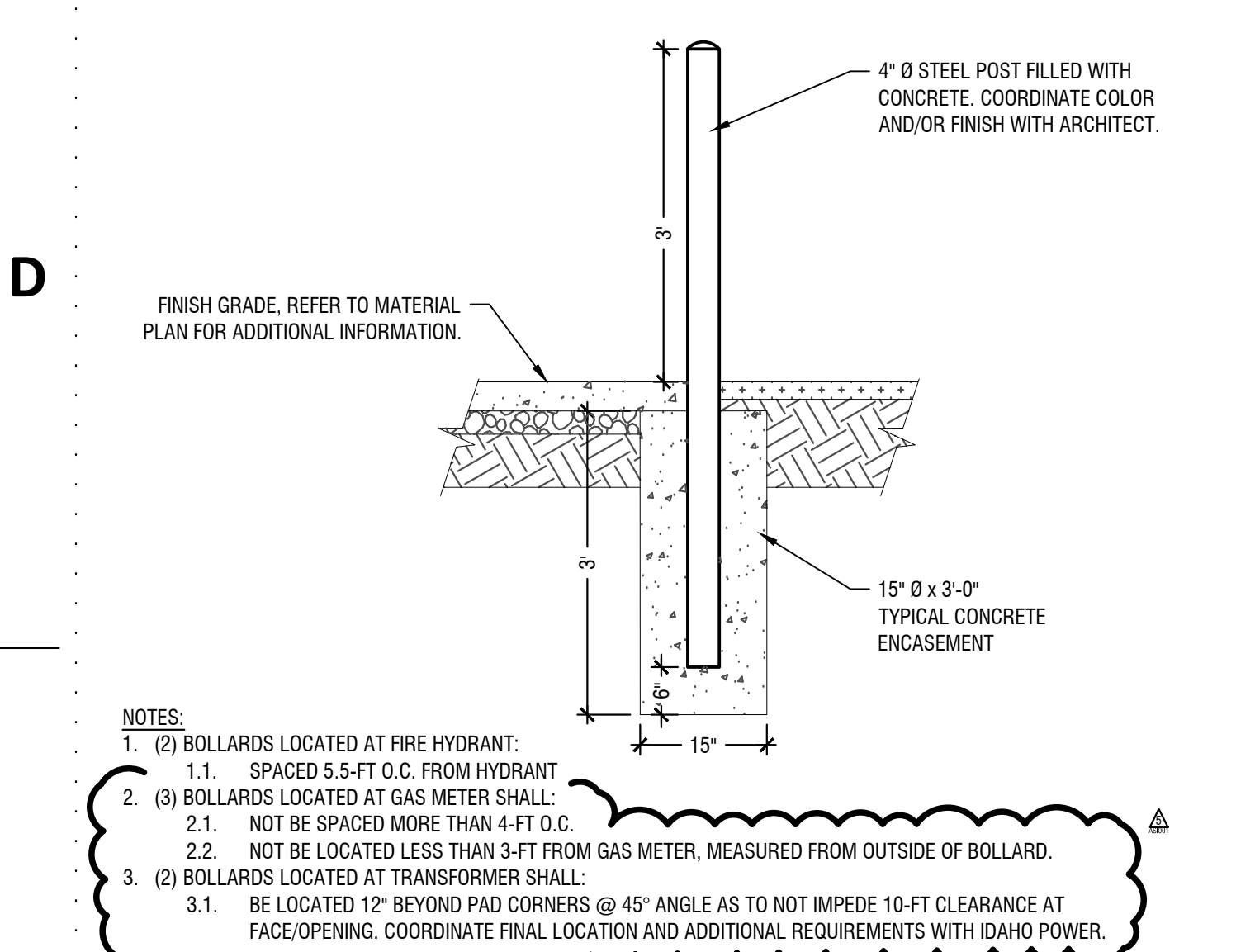
**6 Curb & Reverse Plate Gutter**  
Scale: NTS



**7 Curb & Catch Plate Gutter**  
Scale: NTS



**8 Concrete Control Joints**  
Scale: NTS



**9 Steel Site Bollard**  
Scale: NTS

**NOTES:**  
 1. REFER TO SPECIFICATION SECTION 32 13 13 FOR ADDITIONAL INFORMATION.  
 2. JOINTS SHALL BE SPACED EVENLY THROUGHOUT THE PAVEMENT AS SHOWN ON DRAWINGS. CONTRACTOR SHALL PROVIDE JOINT LAYOUT AND POUR SEQUENCE LAYOUT PLAN FOR REVIEW AND APPROVAL.  
 3. 18" LONG 3/8" DIA. EPOXY-COATED PLAIN BAR DOWEL, EMBEDDED 9" INTO STEM WALL/FLOOR SLAB AT 12" O.C. AT ALL DOORS & GARAGE BAYS. DRILL STEM WALL/FLOOR SLAB FOR TIGHT FIT. LUBRICATE OR COAT DOWEL. TWO-PART EPOXY RESIN **PROHIBITED**.  
 4. INSTALL HEAVY DUTY ISOLATION JOINTS AT ALL CONSTRUCTION JOINTS AND POUR TERMINUS LOCATIONS ASSOCIATED WITH POUR SEQUENCE.

**NOTES:**  
 1. REFER TO SPECIFICATION SECTION 32 13 13 FOR ADDITIONAL INFORMATION.  
 2. SEE MATERIALS AND LAYOUT PLANS FOR JOINT PATTERN AND LOCATION.  
 3. USE ISOLATION JOINTS AT ALL LOCATIONS WHERE DIFFERENTIAL MOVEMENT BETWEEN THE PAVEMENT AND A STRUCTURE MAY OCCUR.  
 4. USE HEAVY DUTY SEALED ISOLATION JOINTS AT ALL CONSTRUCTION JOINTS AND POUR TERMINUS LOCATIONS ASSOCIATED WITH POUR SEQUENCE.  
 5. PROVIDE ISOLATION JOINT AT ALL ELECTRICAL FIXTURE BASES AND UTILITY STRUCTURES UNLESS NOTED OTHERWISE.



PIVOT NORTH ARCHITECTURE, PLLC.  
1101 W. GROVE STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP:



**Project:**  
TWIN FALLS FIRE DEPARTMENT  
JIM BIERI REGIONAL FIRE  
TRAINING FACILITY  
430 VICTORY AVE  
TWIN FALLS, ID 83301

**Revisions:**

REVISION	REVISION 1	12/21/2021
CITY	CITY COMMENTS	01/04/2022
PR-01	PR-01	05/02/2022
PR-02	PR-02	09/23/2022
ASI-001	ASI-001	12/21/2022

**Project No:** 120104  
**Date:** 02.04.2022  
**Checked By:** EC/BS  
**Drawn By:** CRJL

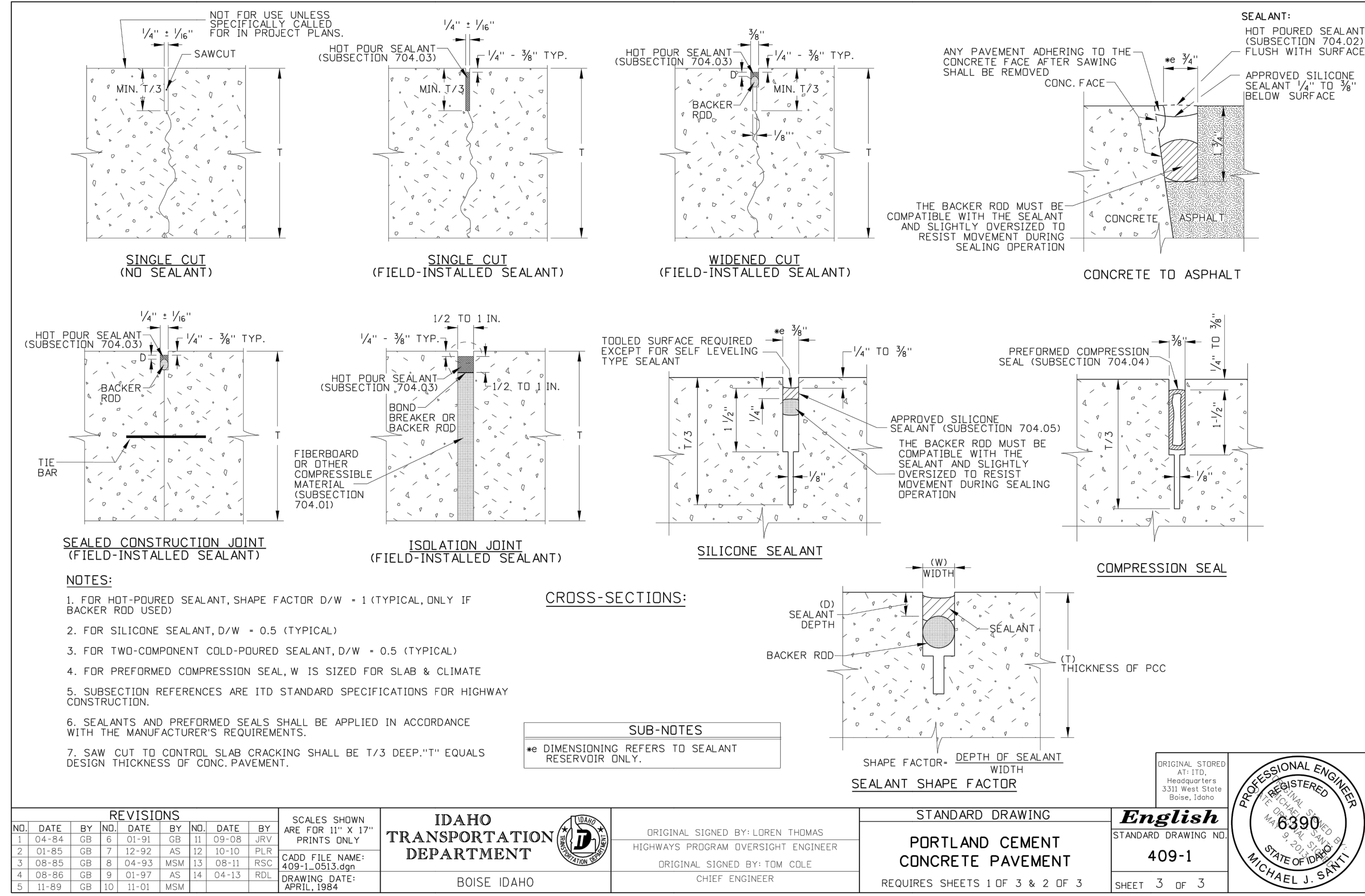
**Sheet Name:**

Site Details

**Sheet No:**

C2.50

SITE PLAN ONLY PERMIT - CONSTRUCTION DOCUMENTS | BID SET



PIVOT NORTH ARCHITECTURE, PLLC.  
1101 W. GROVE STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP:



Project:  
TWIN FALLS FIRE DEPARTMENT  
JIM BIERI REGIONAL FIRE  
TRAINING FACILITY  
430 VICTORY AVE  
TWIN FALLS, ID 83301



SITE PLAN ONLY PERMIT - CONSTRUCTION DOCUMENTS | BID SET

Revisions:

REV#	REVISION	DATE
1	REVISION 1	12/21/2021
2	CITY COMMENTS	01/04/2022
3	PR-01	05/02/2022
4	PR-02	09/23/2022
5	ASH-001	12/21/2022

Project No: 120104  
Date: 02.04.2022  
Checked By: ECBS  
Drawn By: CRUL

Sheet Name:

Site Details

ENTIRE SHEET

Sheet No:  
**C2.52**

1 2 3 4 5

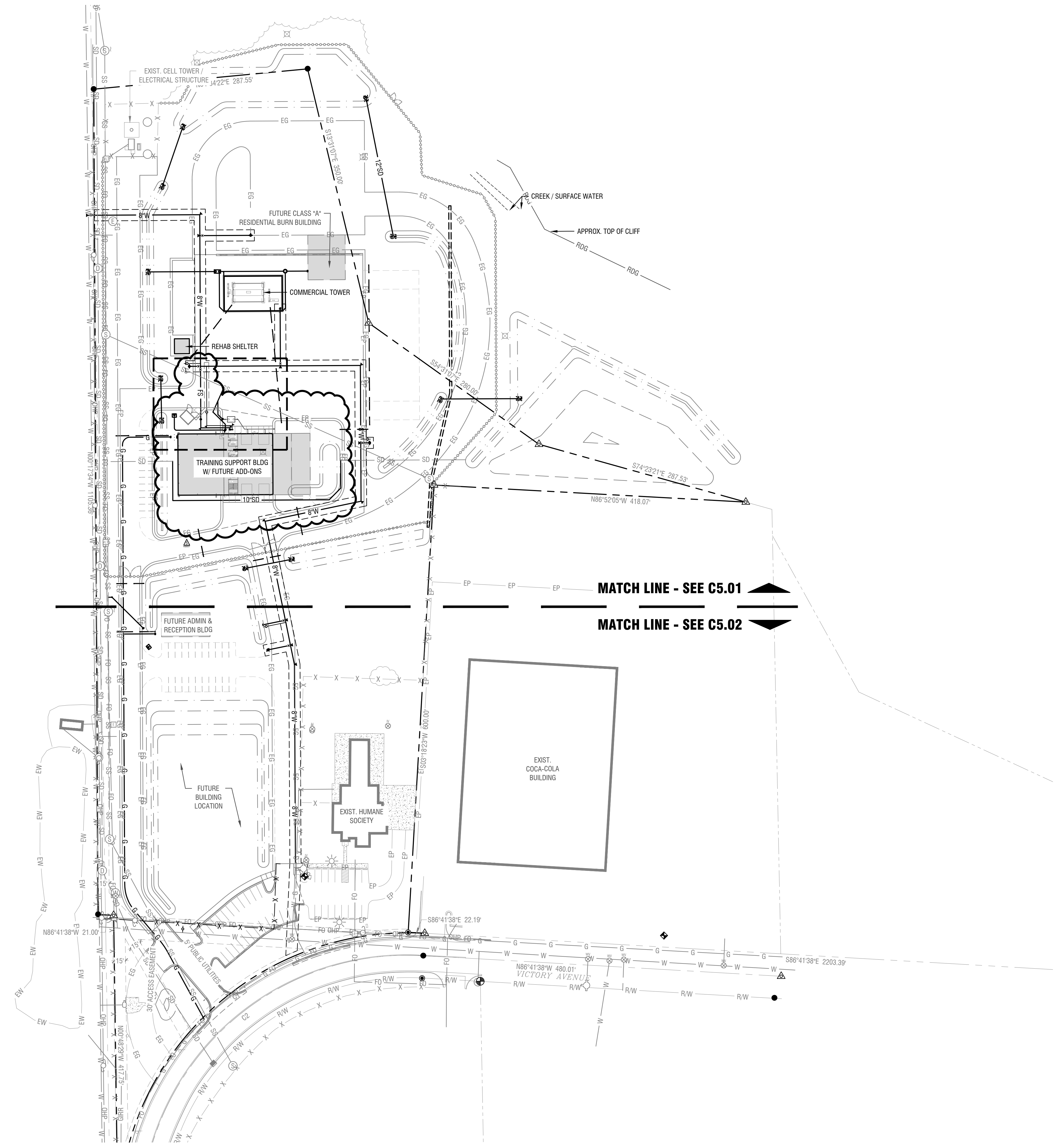
A

B

C

D

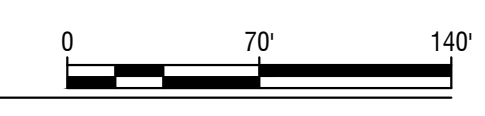
E



MATCH LINE - SEE C5.01

MATCH LINE - SEE C5.02

**Site Utility Plan - Overall**  
 Horizontal Scale: 1" = 70'

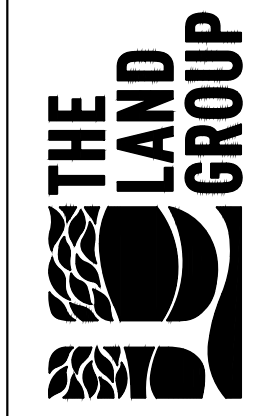


PIVOT NORTH ARCHITECTURE, PLLC.  
 1101 W. GROVE STREET  
 BOISE, ID 83702  
 www.pivotnorthdesign.com

STAMP:



**Project:**  
 TWIN FALLS FIRE DEPARTMENT  
 JIM BIERI REGIONAL FIRE  
 TRAINING FACILITY  
 430 VICTORY AVE  
 TWIN FALLS, ID 83301



SITE PLAN ONLY PERMIT - CONSTRUCTION DOCUMENTS | BID SET

Revisions:  $\Delta$

REV#	REVISION	DATE
1	REVISION 1	12/21/2021
2	CITY COMMENTS	01/04/2022
3	PR-01	05/02/2022
4	PR-02	09/23/2022
5	ASI-001	12/21/2022

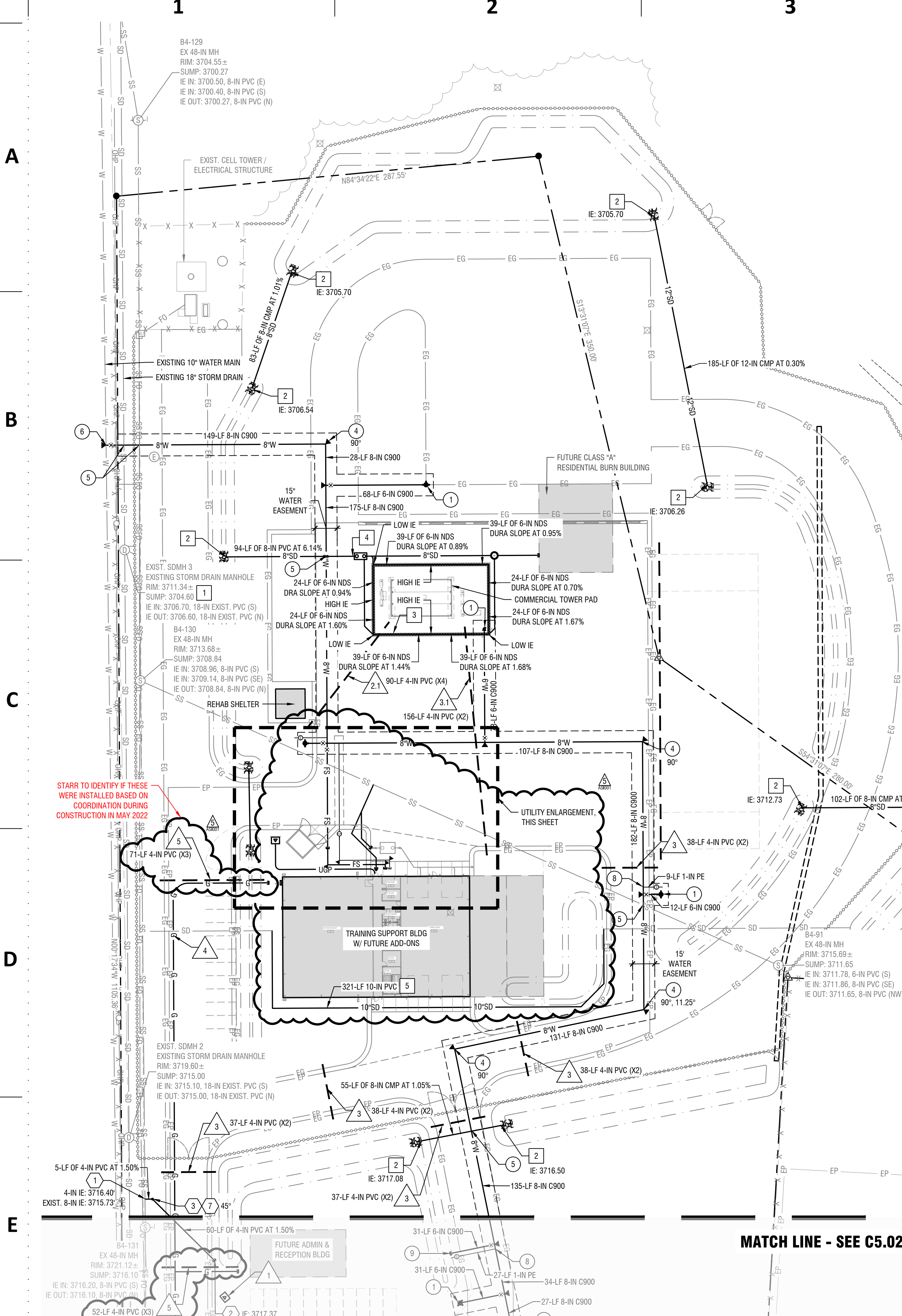
Project No:	120104
Date:	02.04.2022
Checked By:	ECBS
Drawn By:	CRUL

Sheet Name:

Site Utility Plan -  
 Overall

Sheet No:

C5.00



**Dry Utility Keynotes:**

- ELECTRICAL TRANSFORMER, COORDINATE WITH IDAHO POWER FOR INSTALLATION REQUIREMENTS.
- INSTALL (4) 4-IN SDR 35 PVC WITH MINIMUM 24-IN COVER.
  - TERMINATION LOCATION & CONDITION WITHIN STRUCTURAL SLAB OF TRAINING TOWER SHALL BE COORDINATED WITH DRAGER.
  - INSTALL (2) 4-IN SDR 35 PVC WITH MINIMUM 24-IN COVER.
    - TERMINATION LOCATION & CONDITION WITHIN STRUCTURAL SLAB OF TRAINING TOWER SHALL BE COORDINATED WITH DRAGER.
- GAS ROUTING, SIZE AND MATERIALS SHALL BE CONFIRMED BY GAS SERVICE PROVIDER.
- INSTALL (3) 4-IN SDR 35 PVC WITH MINIMUM 24-IN COVER.
- GAS METER, COORDINATE WITH BUILDING MECHANICAL AND GAS SERVICE PROVIDER FOR ADDITIONAL INFORMATION.
- CONDENSER UNIT ON CONCRETE PAD, COORDINATE WITH BUILDING MECHANICAL FOR ADDITIONAL INFORMATION.

**Storm Drain Keynotes:**

- EXISTING STORM DRAIN MANHOLE INFORMATION WAS NOT AVAILABLE AT TIME OF INITIAL SURVEY. CONTRACTOR SHALL BRING ANY DISCREPANCIES TO THE ENGINEER'S ATTENTION PRIOR TO COMMENCING WORK SHOULD CONNECTIONS BE MADE IN THE FUTURE.
- INSTALL FLARED END SECTION ON CULVERT, PROVIDE  $D_{90} = 0.50'$  RIP-RAP AT 3-FT BEYOND PIPE INVERT AND 1-FT ON EITHER SIDE OF PIPE. RIP-RAP SHALL BE SET FLUSH WITH PROPOSED FINISH GRADE AT INVERT.
- INSTALL TRENCH DRAIN PER DETAIL 4/C2.51 WITH DUCTILE IRON SLOTTED GRATE (PART NO.: DS-232 LOAD CLASS D, COORDINATE WITH MANUFACTURER FOR FRAME REQUIREMENTS), REFER TO C4.01 FOR ADDITIONAL INFORMATION. COORDINATE WITH COMMERCIAL TOWER PLANS FOR INTERNAL DRAIN(S) LOCATIONS, CONNECT INTERNAL DRAIN(S) TO TRENCH DRAIN.
- REFER TO TRENCH DRAIN ENLARGEMENT C4.01 FOR STORM WATER INFORMATION EASTERLY OF THIS POINT.
- GROUNDWATER TILE REROUTE.

**Sheet Notes:**

- CONTRACTOR SHALL COMPLY WITH ALL CONSTRUCTION NOTES, ON PLAN SHEET C0.00.
- REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.
- COORDINATE INSTALLATION OF ELECTRICAL CONDUITS AND IRRIGATION SLEEVES WITH RESPECTIVE DRAWINGS AND CONTRACTORS.
- REFER TO TOPOGRAPHIC SURVEY, PLAN SHEET C1.00 FOR ADDITIONAL INFORMATION.
- UTILITY CONTRACTORS ARE RESPONSIBLE FOR VERIFYING LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND THE IN POINTS PRIOR TO CONSTRUCTION. IF CONFLICTS OR DISCREPANCIES EXIST, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER IMMEDIATELY FOR ADDITIONAL DIRECTION.
- DRY UTILITY LOCATIONS ARE APPROXIMATE AND SHOWN FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER FOR ROUTING, COORDINATION WITH ARCHITECT, MECHANICAL AND ELECTRICAL ENGINEERING CONSULTANTS WILL BE REQUIRED TO UNDERSTAND PROPOSED LOADS AND SITE LIGHTING NEEDS.
- REFER TO SITE GRADING PLAN SHEET C4.00 FOR FINISH GRADING INFORMATION.
- PIPE LENGTHS NOTED MAY DIFFER FROM ACTUAL INSTALLED LENGTH AND ARE PROVIDED FOR REFERENCE.
- BOTH DOMESTIC AND FIRE SERVICE WATER LINES REQUIRE A BACKFLOW PREVENTION DEVICE AT THE POINT OF ENTRY TO THE BUILDING OR PROP. THE TYPE OF DEVICE IS CONTINGENT ON THE DEGREE OF HAZARD AND MUST MEET IDAHO DEG STANDARDS.
- ALL WATER SERVICE LINES SHALL BE CONSTRUCTED WITH MINIMUM CLASS 200 POLYETHYLENE PIPE CONFORMING TO AWWA C-901.
- ALL WATER DISTRIBUTION MAINS INCLUDING FIRE SERVICE LATERALS SHALL BE CONSTRUCTED WITH CLASS 165 PVC PIPE CONFORMING TO AWWA C-900.
- ALL PVC STORM DRAIN OR SEWER PIPE SHALL BE ASTM D3034 SDR-35 PVC. ALL CORRUGATED METAL PIPE (CMP) AND COUPLING BANDS SHALL BE GALVANIZED AND CONFORM TO AASHTO M36 AND AASHTO M218.
- ALL PIPE FITTINGS, BENDS AND JOINTS SHALL BE WATER TIGHT. PROVIDE REQUIRED FITTINGS TO TRANSITION BETWEEN PIPE MATERIAL, SIZE AND TYPE.
- THE HORIZONTAL SEPARATION OF POTABLE WATER MAINS AND NON-POTABLE WATER MAINS (SANITARY SEWER, STORM DRAIN, AND IRRIGATION) SHALL BE A MINIMUM OF TEN (10) FEET. THE HORIZONTAL SEPARATION OF NON-POTABLE SERVICES AND POTABLE WATER SERVICES OR POTABLE WATER MAINS SHALL BE A MINIMUM OF SIX (6) FEET, WHERE IT IS NECESSARY FOR A POTABLE WATER MAIN AND NON-POTABLE WATER MAIN TO CROSS WITH LESS THAN EIGHTEEN (18) INCHES OF VERTICAL SEPARATION, THE CROSSING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 542.07 OF THE IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS (IDAPA 58.01.08) AND SECTION 430.02 OF THE WASTEWATER RULES (IDAPA 58.01.16).

**Line Legend:**

UTILITY LINEWORK AND SYMBOLS BOLD ARE PROPOSED, FADED BACK ARE EXISTING

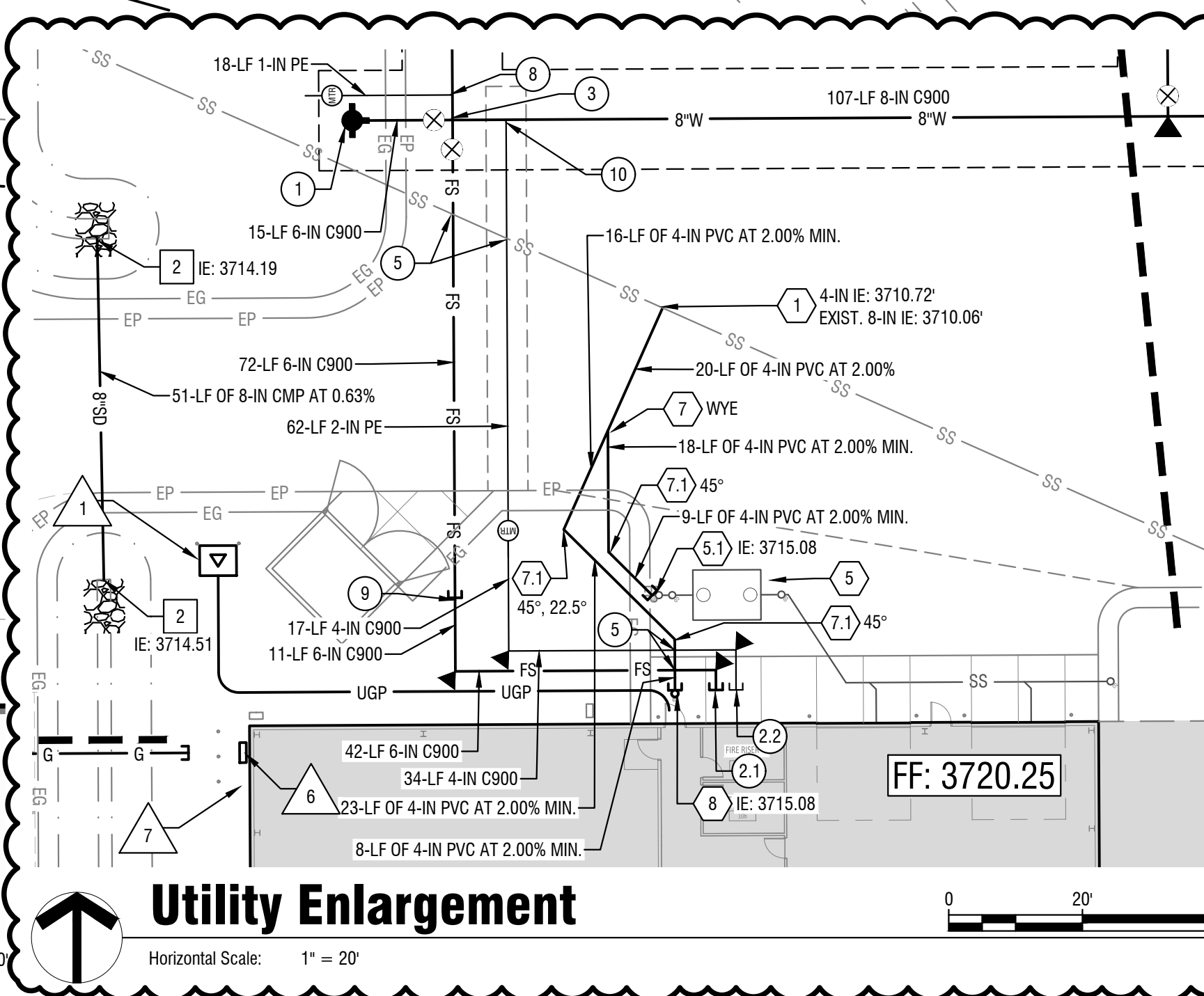
SS	SS	WATER VALVE
SD	SD	WATER METER
W	W	FIRE HYDRANT
G	G	FROST FREE HYDRANT / SPIGOT
FO	FO	WATER MANHOLE
FS	FS	BLOW OFF
		STORM DRAIN MANHOLE
		RECTANGULAR INLET
		SANITARY SEWER MANHOLE - PROPOSED 48"
		PRESSURE IRRIGATION VALVE
		IRRIGATION BOX
		POWER POLE
		GUY WIRE
		STREET LIGHT
		ELECTRIC MANHOLE
		ELECTRIC BOX
		ELECTRIC VAULT
		TRANSFORMER
		EASEMENT LINE
		SANITARY SEWER LINE (SIZE AS INDICATED)
		STORM DRAIN LINE (SIZE AS INDICATED)
		WATER LINE (SIZE AS INDICATED)
		GRAVITY IRRIGATION LINE
		OVERHEAD POWER LINE
		GAS LINE
		FIBER OPTICS LINE
		FIRE SERVICE

**Water Keynotes:**

- INSTALL FIRE HYDRANT PER CITY OF TWIN FALLS STANDARD DRAWING TFSD-404.
- COORDINATE CONTINUATION WITH BUILDING MECHANICAL.
  - 6-IN FIRE SERVICE CONNECTION
  - 4-IN DOMESTIC WATER SERVICE CONNECTION
- INSTALL 1-8" CROSS, 2-8"x6" REDUCERS, 2-6" GATE VALVES AND THRUST BLOCK PER ISPPWC SD-403.
- INSTALL 8" BEND(S) WITH ANGLE(S) NOTED (XX) AND THRUST BLOCK PER ISPPWC SD-403.
- POTABLE/NON-POTABLE WATER SEPARATION REQUIRED. SEE SHEET NOTE N/THIS SHEET.
- HOT-TAP EXISTING 10-IN WATER MAIN FOR 8-IN GATE VALVE AND MAIN LINE, INSTALL THRUST BLOCKING PER ISPPWC SD-403.
- CONNECT TO EXISTING WATER STUB, CONFIRM SUITABILITY OF CONNECTION PRIOR TO COMMENCING CONSTRUCTION, BRING ANY DISCREPANCIES TO ENGINEER.
- INSTALL 1-IN WATER SERVICE CONNECTION & 1-IN CITY-APPROVED WATER METER PER CITY OF TWIN FALLS STANDARD DRAWING TFSD-401.
- EXTEND FIRE SERVICE FROM EXISTING STUB LOCATION TO POINT OF CONNECTION WITH BUILDING MECHANICAL. INSTALL (2) 90-DEG ELBOWS WITH THRUST BLOCKS AS SHOWN.
- REMOVE AND DISPOSE OF 1-IN WATER SERVICE CONNECTION & 1-IN CITY-APPROVED WATER METER, SAW CUT ASPHALT PAVEMENT AND INSTALL 2-IN WATER SERVICE AND 2-IN WATER METER PER CITY OF TWIN FALLS STANDARD DRAWING TFSD-402A. TRANSITION TO 4-IN SERVICE AFTER METER BOX AND EXTEND TO POINT OF CONNECTION WITH BUILDING MECHANICAL. INSTALL (2) 90-DEG ELBOWS WITH THRUST BLOCK AS SHOWN.

**Sewer Keynotes:**

- TAP EXISTING 8" SEWER MAIN IN ACCORDANCE WITH CITY OF TWIN FALLS STANDARD DRAWING TFSD-511.
  - CAP WATER TIGHT AND MARK SEWER STUB PER ISPPWC SD-512. OMIT ABOVE GRADE MARKER.
  - INSTALL CLEANOUT PER DETAIL 1/C2.51.
  - INSTALL 1000-GALLON SAND & GREASE TRAP PER DETAIL 3/C2.51.
  - FUTURE FLAMMABLE LIQUIDS INTERCEPTOR AND ASSOCIATED PIPING.
    - COORDINATE WITH BUILDING MECHANICAL FOR WYE CONNECTION TO BUILDING SEWER SERVICE.
    - FUTURE SAND AND GREASE TRAP AND ASSOCIATED PIPING.
    - INSTALL 4" BEND/FITTING AS NOTED.
    - INTERCEPT EXISTING SERVICE STUB AND EXTEND AS NOTED.
    - COORDINATE WITH BUILDING MECHANICAL FOR CONTINUATION



**Utility Enlargement**

Horizontal Scale: 1" = 20'

STARR TO IDENTIFY IF THESE WERE INSTALLED BASED ON COORDINATION DURING CONSTRUCTION IN MAY 2022

MATCH LINE - SEE C5.02

**Site Utility Plan - Area A**

Horizontal Scale: 1" = 40'

SITE PLAN ONLY PERMIT - CONSTRUCTION DOCUMENTS | BID SET

Project:

TWIN FALLS FIRE DEPARTMENT  
JIM BIERI REGIONAL FIRE  
TRAINING FACILITY  
430 VICTORY AVE  
TWIN FALLS, ID 83301

Revisions:

REVISION 1	12/21/2021
CITY COMMENTS	01/04/2022
PR-01	06/02/2022
PR-02	09/23/2022
ASH-001	12/21/2022

Project No: 120104  
Date: 02.04.2022  
Checked By: ECBS  
Drawn By: CRUL

Sheet Name:  
**Site Utility Plan - Area A**

Sheet No:

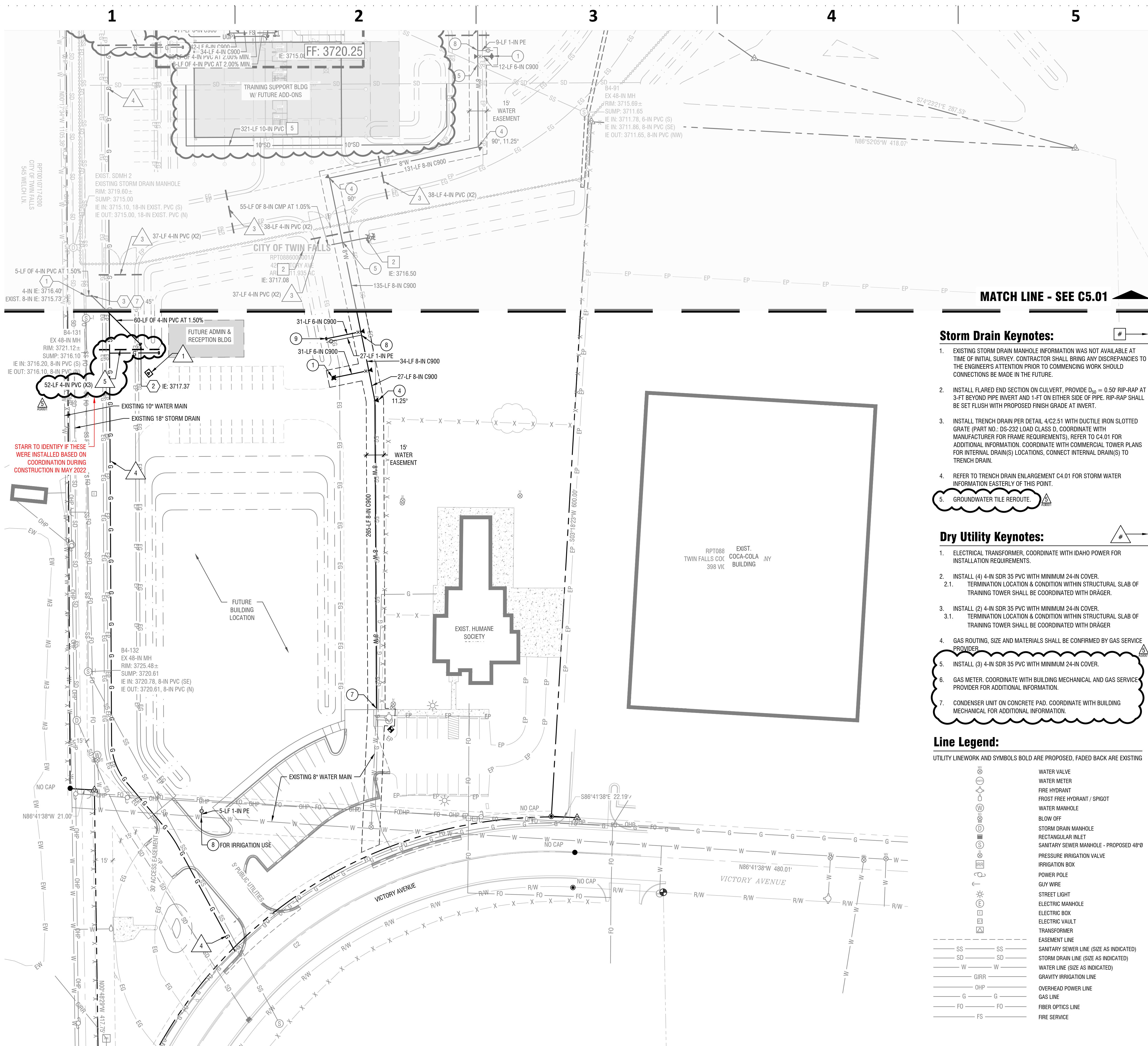
**C5.01**



PIVOT NORTH ARCHITECTURE, PLLC.  
1101 W. GROVE STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP:





- Sheet Notes:**
- CONTRACTOR SHALL COMPLY WITH ALL CONSTRUCTION NOTES, ON PLAN SHEET C0.00.
  - REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.
  - COORDINATE INSTALLATION OF ELECTRICAL CONDUITS AND IRRIGATION SLEEVES WITH RESPECTIVE DRAWINGS AND CONTRACTORS.
  - REFER TO TOPOGRAPHIC SURVEY, PLAN SHEET C1.00 FOR ADDITIONAL INFORMATION.
  - UTILITY CONTRACTORS ARE RESPONSIBLE FOR VERIFYING LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND TIE IN POINTS PRIOR TO CONSTRUCTION. IF CONFLICTS OR DISCREPANCIES EXIST, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER IMMEDIATELY FOR ADDITIONAL DIRECTION.
  - DRY UTILITY LOCATIONS ARE APPROXIMATE AND SHOWN FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER FOR ROUTING, COORDINATION WITH ARCHITECT, MECHANICAL AND ELECTRICAL ENGINEERING CONSULTANTS WILL BE REQUIRED TO UNDERSTAND PROPOSED LOADS AND SITE LIGHTING NEEDS.
  - REFER TO SITE GRADING PLAN SHEET C4.00 FOR FINISH GRADING INFORMATION.
  - PIPE LENGTHS NOTED MAY DIFFER FROM ACTUAL INSTALLED LENGTH AND ARE PROVIDED FOR REFERENCE.
  - BOTH DOMESTIC AND FIRE SERVICE WATER LINES REQUIRE A BACKFLOW PREVENTION DEVICE AT THE POINT OF ENTRY TO THE BUILDING OR PROP. THE TYPE OF DEVICE IS CONTINGENT ON THE DEGREE OF HAZARD AND MUST MEET IDAHO DEQ STANDARDS.
  - ALL WATER SERVICE LINES SHALL BE CONSTRUCTED WITH MINIMUM CLASS 200 POLYETHYLENE PIPE CONFORMING TO AWWA C-901.
  - ALL WATER DISTRIBUTION MAINS INCLUDING FIRE SERVICE LATERALS SHALL BE CONSTRUCTED WITH CLASS 165 PVC PIPE CONFORMING TO AWWA C-900.
  - ALL PVC STORM DRAIN OR SEWER PIPE SHALL BE ASTM D3034 SDR-35 PVC. ALL CORRUGATED METAL PIPE (CMP) AND COUPLING BANDS SHALL BE GALVANIZED AND CONFORM TO AASHTO M36 AND AASHTO M218.
  - ALL PIPE FITTINGS, BENDS AND JOINTS SHALL BE WATER TIGHT. PROVIDE REQUIRED FITTINGS TO TRANSITION BETWEEN PIPE MATERIAL, SIZE AND TYPE.
  - THE HORIZONTAL SEPARATION OF POTABLE WATER MAINS AND NON-POTABLE WATER MAINS (SANITARY SEWER, STORM DRAIN, AND IRRIGATION) SHALL BE A MINIMUM OF TEN (10) FEET. THE HORIZONTAL SEPARATION OF NON-POTABLE SERVICES AND POTABLE WATER SERVICES OR POTABLE WATER MAINS SHALL BE A MINIMUM OF SIX (6) FEET. WHERE IT IS NECESSARY FOR A POTABLE WATER MAIN AND NON-POTABLE WATER MAIN TO CROSS WITH LESS THAN EIGHTEEN (18) INCHES OF VERTICAL SEPARATION, THE CROSSING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 542.07 OF THE IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS (DAPA 58.01.08) AND SECTION 430.02 OF THE WASTEWATER RULES (DAPA 58.01.16).

- Storm Drain Keynotes:**
- EXISTING STORM DRAIN MANHOLE INFORMATION WAS NOT AVAILABLE AT TIME OF INITIAL SURVEY. CONTRACTOR SHALL BRING ANY DISCREPANCIES TO THE ENGINEER'S ATTENTION PRIOR TO COMMENCING WORK SHOULD CONNECTIONS BE MADE IN THE FUTURE.
  - INSTALL FLARED END SECTION ON CULVERT. PROVIDE  $D_{90} = 0.50'$  RIP-RAP AT 3-FT BEYOND PIPE INVERT AND 1-FT ON EITHER SIDE OF PIPE. RIP-RAP SHALL BE SET FLUSH WITH PROPOSED FINISH GRADE AT INVERT.
  - INSTALL TRENCH DRAIN PER DETAIL 4/C2.51 WITH DUCTILE IRON SLOTTED GRATE (PART NO.: DS-232 LOAD CLASS D, COORDINATE WITH MANUFACTURER FOR FRAME REQUIREMENTS), REFER TO C4.01 FOR ADDITIONAL INFORMATION. COORDINATE WITH COMMERCIAL TOWER PLANS FOR INTERNAL DRAIN(S) LOCATIONS, CONNECT INTERNAL DRAIN(S) TO TRENCH DRAIN.
  - REFER TO TRENCH DRAIN ENLARGEMENT C4.01 FOR STORM WATER INFORMATION EASTERLY OF THIS POINT.
  - GROUNDWATER TILE REROUTE.

- Dry Utility Keynotes:**
- ELECTRICAL TRANSFORMER, COORDINATE WITH IDAHO POWER FOR INSTALLATION REQUIREMENTS.
  - INSTALL (4) 4-IN SDR 35 PVC WITH MINIMUM 24-IN COVER.
    - TERMINATION LOCATION & CONDITION WITHIN STRUCTURAL SLAB OF TRAINING TOWER SHALL BE COORDINATED WITH DRAGER.
  - INSTALL (2) 4-IN SDR 35 PVC WITH MINIMUM 24-IN COVER.
    - TERMINATION LOCATION & CONDITION WITHIN STRUCTURAL SLAB OF TRAINING TOWER SHALL BE COORDINATED WITH DRAGER.
  - GAS ROUTING, SIZE AND MATERIALS SHALL BE CONFIRMED BY GAS SERVICE PROVIDER.
  - INSTALL (3) 4-IN SDR 35 PVC WITH MINIMUM 24-IN COVER.
  - GAS METER, COORDINATE WITH BUILDING MECHANICAL AND GAS SERVICE PROVIDER FOR ADDITIONAL INFORMATION.
  - CONDENSER UNIT ON CONCRETE PAD. COORDINATE WITH BUILDING MECHANICAL FOR ADDITIONAL INFORMATION.

- Line Legend:**
- UTILITY LINEWORK AND SYMBOLS BOLD ARE PROPOSED, FADED BACK ARE EXISTING

- Water Keynotes:**
- INSTALL FIRE HYDRANT PER CITY OF TWIN FALLS STANDARD DRAWING TFSO-404.
  - COORDINATE CONTINUATION WITH BUILDING MECHANICAL.
    - 6-IN FIRE SERVICE CONNECTION
    - 4-IN DOMESTIC WATER SERVICE CONNECTION
  - INSTALL 1-8" CROSS, 2-8"x6" REDUCERS, 2-6" GATE VALVES AND THRUST BLOCK PER ISPPWC SD-403.
  - INSTALL 8" BEND(S) WITH ANGLE(S) NOTED (XX') AND THRUST BLOCK PER ISPPWC SD-403.
  - POTABLE/NON-POTABLE WATER SEPARATION REQUIRED. SEE SHEET NOTE N/THIS SHEET.
  - HOT-TAP EXISTING 10-IN WATER MAIN FOR 8-IN GATE VALVE AND MAIN LINE. INSTALL THRUST BLOCKING PER ISPPWC SD-403.
  - CONNECT TO EXISTING WATER STUB. CONFIRM SUITABILITY OF CONNECTION PRIOR TO COMMENCING CONSTRUCTION, BRING ANY DISCREPANCIES TO ENGINEER.
  - INSTALL 1-IN WATER SERVICE CONNECTION & 1-IN CITY-APPROVED WATER METER PER CITY OF TWIN FALLS STANDARD DRAWING TFSO-401.
  - EXTEND FIRE SERVICE FROM EXISTING STUB LOCATION TO POINT OF CONNECTION WITH BUILDING MECHANICAL. INSTALL (2) 90-DEG ELBOWS WITH THRUST BLOCKS AS SHOWN.
  - REMOVE AND DISPOSE OF 1-IN WATER SERVICE CONNECTION & 1-IN CITY-APPROVED WATER METER. SAW OUT ASPHALT PAVEMENT AND INSTALL 2-IN WATER SERVICE AND 2-IN WATER METER PER CITY OF TWIN FALLS STANDARD DRAWING TFSO-402A. TRANSITION TO 4-IN SERVICE AFTER METER BOX AND EXTEND TO POINT OF CONNECTION WITH BUILDING MECHANICAL. INSTALL (2) 90-DEG ELBOWS WITH THRUST BLOCK AS SHOWN.

- Sewer Keynotes:**
- EXISTING 8" SEWER MAIN IN ACCORDANCE WITH CITY OF TWIN FALLS STANDARD DRAWING TFSO-511.
  - CAP WATER TIGHT AND MARK SEWER STUB PER ISPPWC SD-512.
    - OMIT ABOVE GRADE MARKER.
  - INSTALL CLEANOUT PER DETAIL 1/C2.51.
  - INSTALL 1000-GALLON SAND & GREASE TRAP PER DETAIL 3/C2.51.
  - FUTURE FLAMMABLE LIQUIDS INTERCEPTOR AND ASSOCIATED PIPING.
    - COORDINATE WITH BUILDING MECHANICAL FOR WYE CONNECTION TO BUILDING SEWER SERVICE.
  - FUTURE SAND AND GREASE TRAP AND ASSOCIATED PIPING.
  - INSTALL 4" BEND/FITTING AS NOTED.
    - INTERCEPT EXISTING SERVICE STUB AND EXTEND AS NOTED.
  - COORDINATE WITH BUILDING MECHANICAL FOR CONTINUATION

SITE PLAN ONLY PERMIT - CONSTRUCTION DOCUMENTS | BID SET

Project:  
**TWIN FALLS FIRE DEPARTMENT  
 JIM BIERI REGIONAL FIRE  
 TRAINING FACILITY**  
 430 VICTORY AVE  
 TWIN FALLS, ID 83301

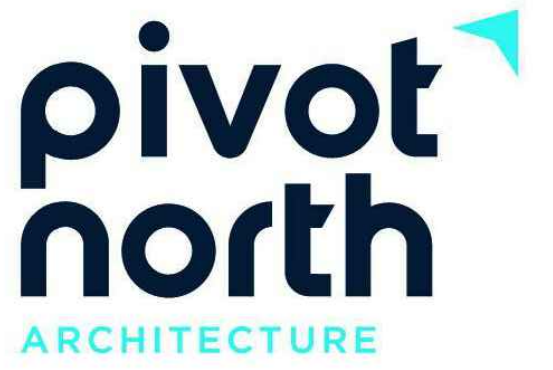
Revisions:

REVISION 1	12/21/2021
CITY COMMENTS	01/04/2022
PR-01	05/02/2022
PR-02	09/23/2022
ASH-001	12/21/2022

Project No: 120104  
 Date: 02.04.2022  
 Checked By: ECBS  
 Drawn By: CRUL

Sheet Name:  
**Site Utility Plan - Area B**

Sheet No:  
**C5.02**



PIVOT NORTH ARCHITECTURE, PLLC.  
 1101 W. GROVE STREET  
 BOISE, ID 83702  
 www.pivotnorthdesign.com

STAMP:



1

2

3

4

5

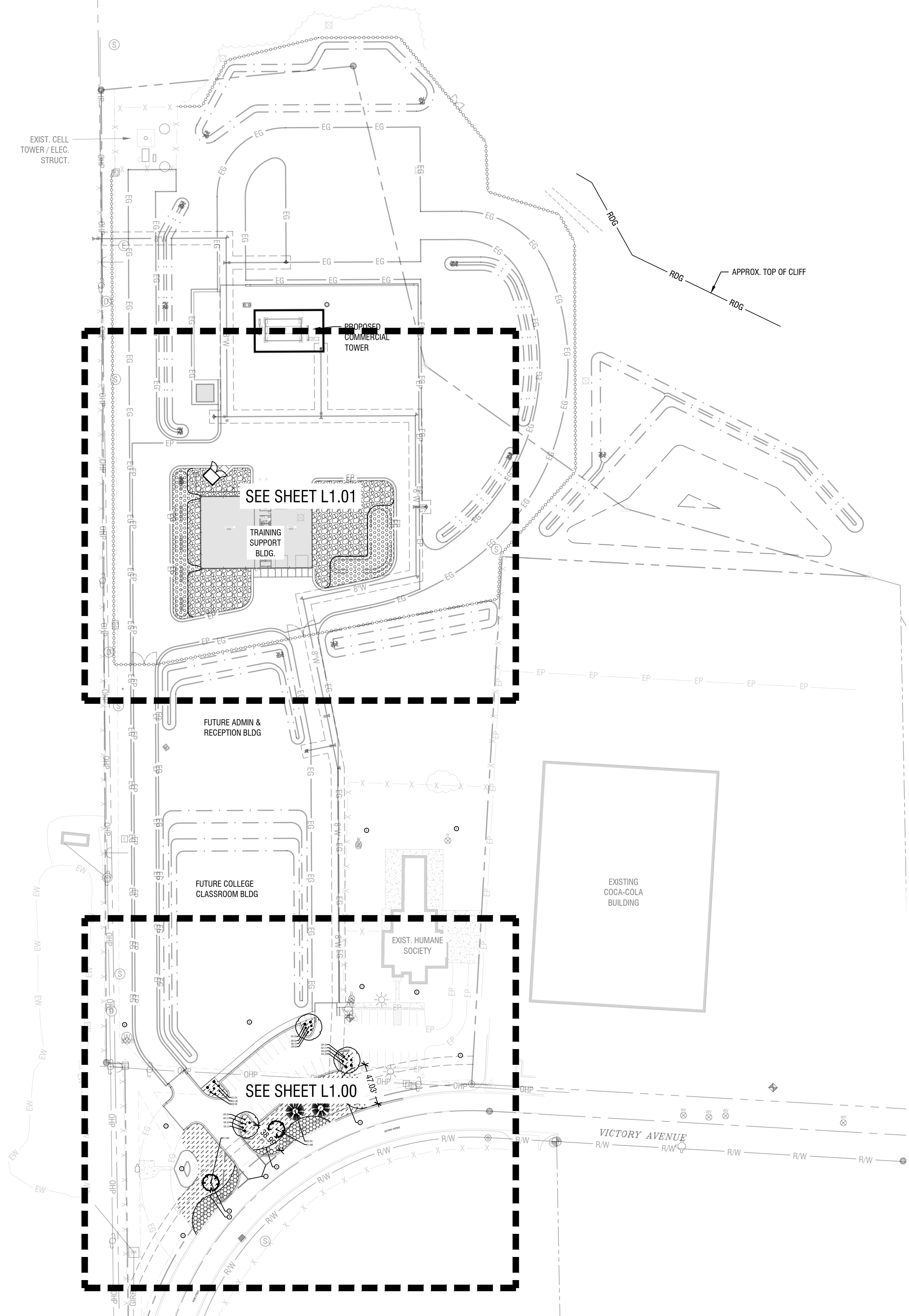
A

B

C

D

E



**Project Information:**  
 PROJECT DEVELOPMENT TYPE: COMMERCIAL  
 EXISTING SITE ZONING: M-2; HEAVY MANUFACTURING DISTRICT  
 PROJECT SITE ZONING: UNCHANGED, M-2 WILL REMAIN  
 PROJECT STREET FRONTAGES: VICTORY AVENUE & ROSE STREET

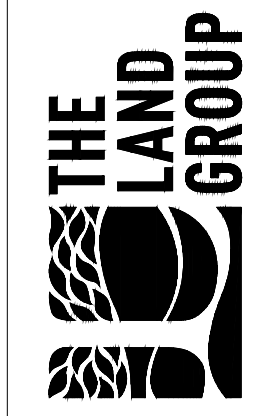


PIVOT NORTH ARCHITECTURE, PLLC.  
 1101 W. GROVE STREET  
 BOISE, ID 83702  
 www.pivotnorthdesign.com

STAMP:



Project:  
**TWIN FALLS FIRE DEPARTMENT  
 JIM BIERI REGIONAL FIRE  
 TRAINING FACILITY**  
 430 VICTORY AVE  
 TWIN FALLS, ID 83301



SITE PLAN ONLY PERMIT - CONSTRUCTION DOCUMENTS | BID SET

Revisions:

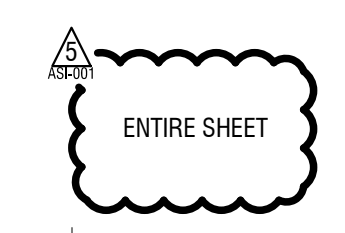
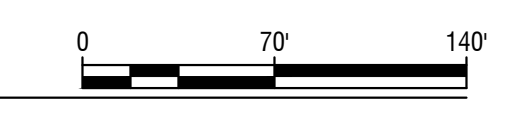
REVISION	REVISION 1	12/21/2021
	CITY COMMENTS	01/04/2022
	PR-01	05/02/2022
	PR-02	09/23/2022
	ASI-001	12/21/2022

Project No: 120104  
 Date: 02.04.2022  
 Checked By: ECBS  
 Drawn By: CRUL

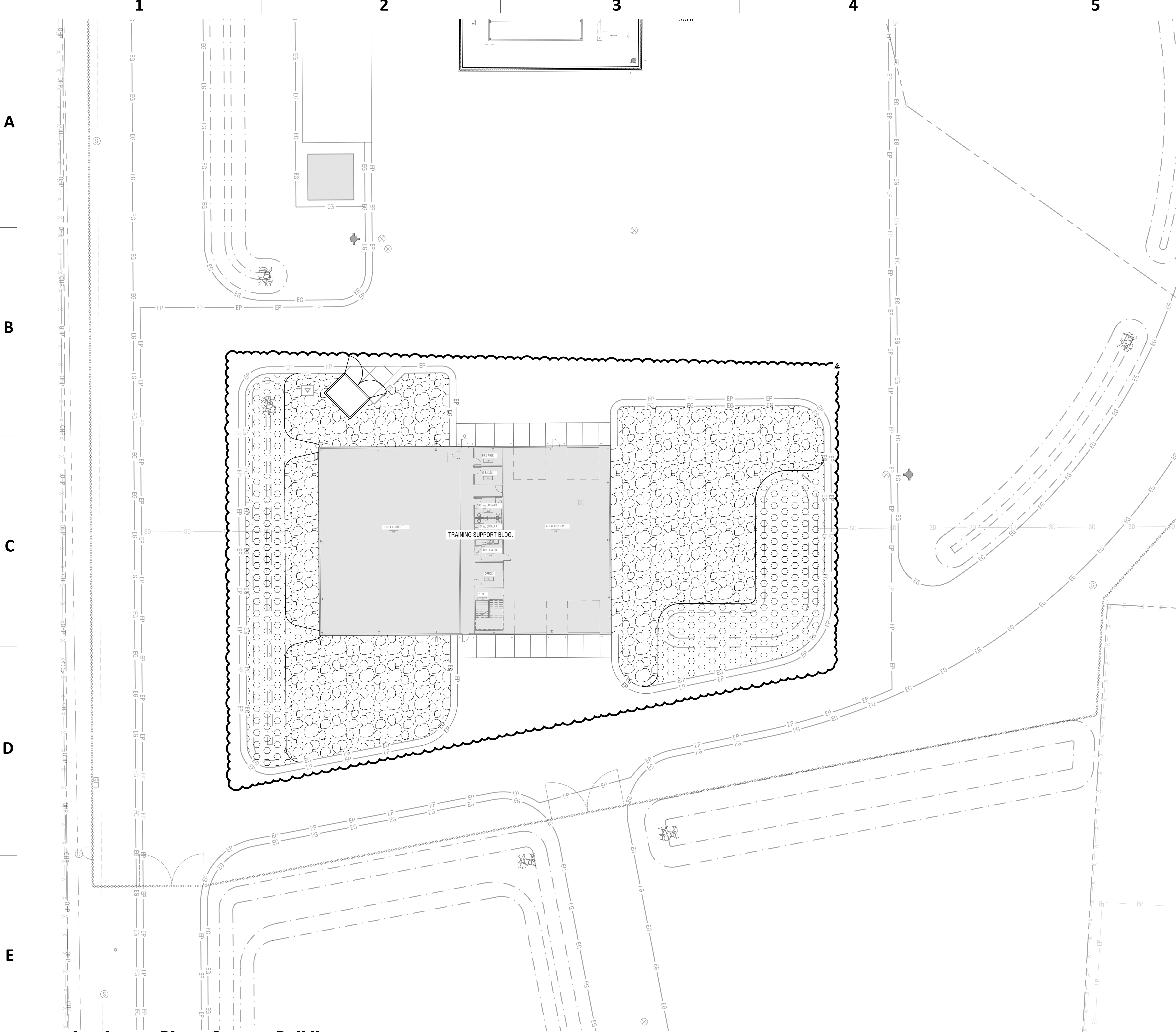
Sheet Name:  
**Landscape Plan - Overall**

Sheet No:  
**L0.00**

**Landscape Plan - Overall**  
 Horizontal Scale: 1" = 70'







**Project Information:**

PROJECT DEVELOPMENT TYPE: COMMERCIAL  
 EXISTING SITE ZONING: M-2; HEAVY MANUFACTURING DISTRICT  
 PROJECT SITE ZONING: UNCHANGED, M-2 WILL REMAIN  
 PROJECT STREET FRONTAGES: VICTORY AVENUE & ROSE STREET

**Material Legend:**

- 80/20 KENTUCKY BLUEGRASS/PERENNIAL RYEGRASS BLEND TURF SOD
- 3-IN DEPTH, SHREDDED BARK MULCH
- MONTANE MIX™ NATIVE BLEND SOD BY MAGIC VALLEY TURFGRASS
- 2" MIN. - 4" MAX. ROUND COBBLESTONE RIP RAP, DEPTH PER DRAINAGE PLAN SHEET C4.00 SERIES
- 4" - 6" MAX. ROUND COBBLESTONE RIP RAP, 12" DEPTH

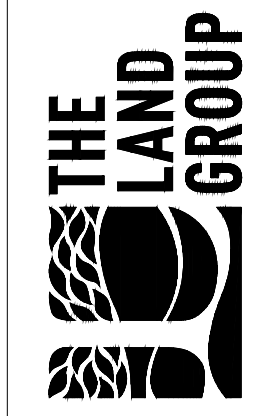


PIVOT NORTH ARCHITECTURE, PLLC.  
 1101 W. GROVE STREET  
 BOISE, ID 83702  
 www.pivotnorthdesign.com

STAMP:



Project:  
**TWIN FALLS FIRE DEPARTMENT  
 JIM BIERI REGIONAL FIRE  
 TRAINING FACILITY**  
 430 VICTORY AVE  
 TWIN FALLS, ID 83301



SITE PLAN ONLY PERMIT - CONSTRUCTION DOCUMENTS | BID SET

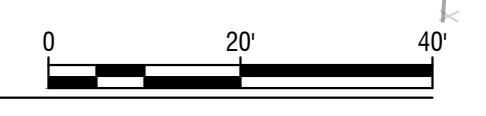
Revisions:

REVISION	REVISION 1	12/21/2021
	CITY COMMENTS	01/04/2022
	PR-01	05/02/2022
	PR-02	09/23/2022
	ASI-001	12/21/2022

Project No: 120104  
 Date: 02.04.2022  
 Checked By: ECBS  
 Drawn By: CRUL

Sheet Name:  
**Landscape Plan -  
 Support Building**

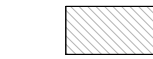

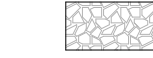






Sheet No:  
**L1.01**

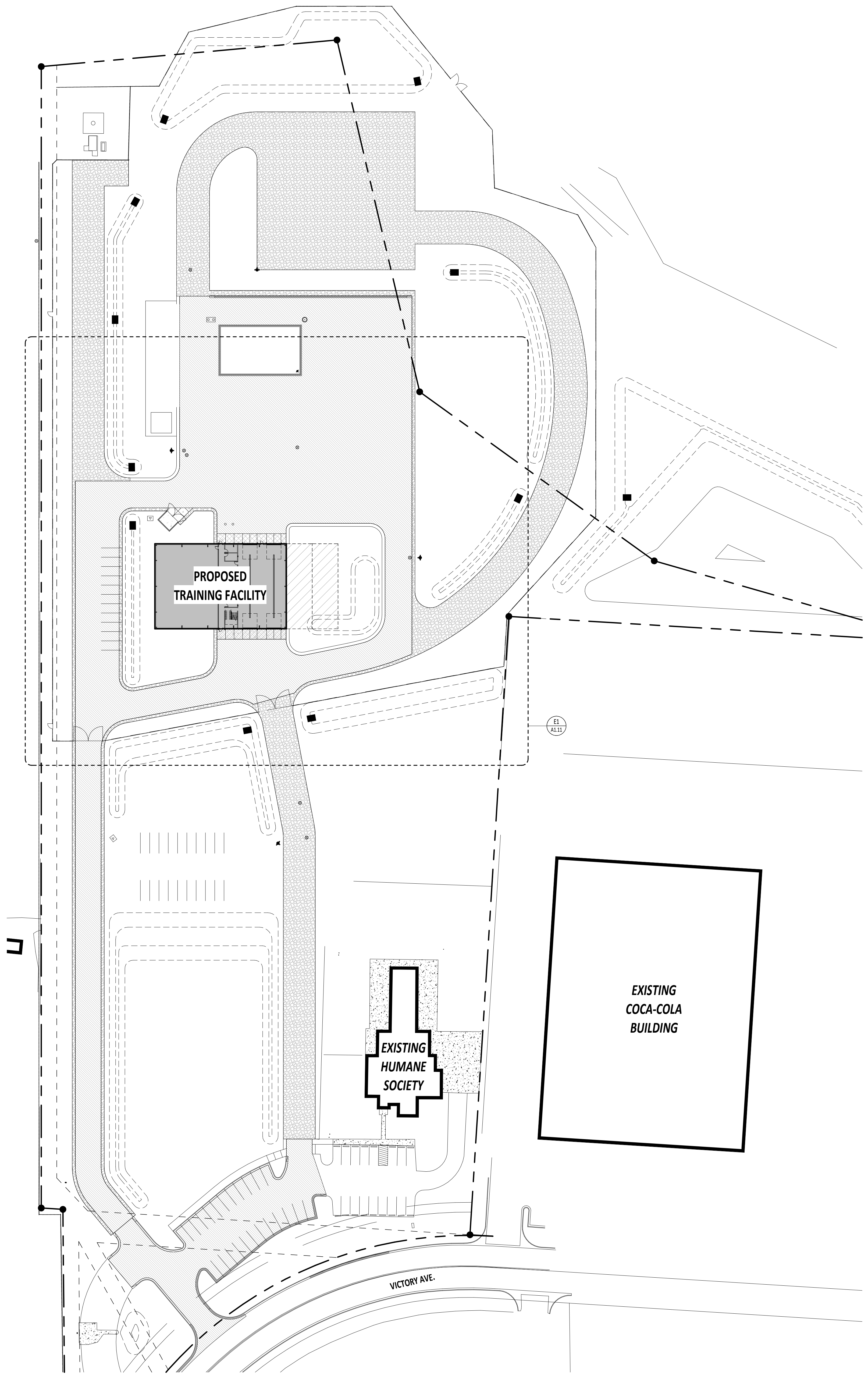


**GENERAL NOTES**

1. PRIOR TO START OF CONSTRUCTION, CONTRACTOR TO VERIFY POSITION AND CONDITION OF ALL EXISTING BENCHMARKS.
2. EXISTING BENCHMARKS ARE NOT TO BE DISTURBED.
3. COORDINATE WITH CIVIL FOR GRADING AND DRAINAGE ELEVATIONS.
4. ANY DISCREPANCIES IN ACTUAL FIELD CONDITIONS, IF AT ODDS WITH INDICATIONS IN THESE DOCUMENTS, SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT OR CONSTRUCTION MANAGER.
5. FOR THE SOILS INVESTIGATION REPORT OF THIS SITE, REFERENCE PART 'C' GEOTECHNICAL INFORMATION IN THE SPECIFICATIONS. COPIES OF THE SOILS INVESTIGATION REPORT ARE AVAILABLE FROM THE CONSTRUCTION MANAGER, THE GEOTECHNICAL ENGINEER, AND THE ARCHITECT.
6. ALL ROAD/UTILITY IMPROVEMENT WORK WHICH IS INTERRELATED WITH SIMILAR WORK ON ADJACENT PROPERTIES SHALL BE FULLY COORDINATED BETWEEN CONTRACTORS. VERIFY WITH CONSTRUCTION MANAGER.
7. FINAL POSITIONING OF ALL SITE FIRE UTILITIES SHALL BE SUBJECT TO THE APPROVAL OF THE APPROPRIATE FIRE AUTHORITIES. CONTRACTOR SHALL VERIFY.
8. IN CASE OF CONFLICT BETWEEN ARCHITECTURAL & CIVIL DRAWINGS, AS TO EXACT LOCATIONS/EXTENT OF CAST-IN-PLACE CONCRETE CURBS ONLY, VS CAST-IN-PLACE CURB/GUTTER, CIVIL DRAWINGS SHALL GOVERN.

**LEGEND**

-  HEAVY DUTY ASPHALT PAVING, RE: CIVIL DRAWINGS.
-  HEAVY DUTY CONCRETE, RE: CIVIL DRAWINGS.
-  GRAVEL ROAD, RE: CIVIL DRAWINGS.
-  BUILDING FOOTPRINT
-  FUTURE BAY SPACE
-  FENCING, RE: 32 33 00 IN THE SPECIFICATIONS.
-  C.I.P. CONCRETE CURB/GUTTER (COORDINATE WITH CIVIL DRAWINGS).
-  PROPERTY LINE CORNER PIN
-  PROPERTY LINE



**E3** SITE PLAN  
A1.01 1" = 50'-0"

DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
 Date: 11/25/2022  
 Checked By: TB  
 Drawn By: AMMH

Sheet Name:  
**COMPOSITE SITE PLAN**

Sheet No:  
**A1.01**

NOTES - REFERENCE NOTES

- 1.06 TRASH ENCLOSURE. COORDINATE WITH SHEET XXX.
- 33.01 FIRE HYDRANT. COORDINATE WITH CIVIL DRAWINGS.



PIVOT NORTH ARCHITECTURE, PLLC.  
1101 W. GROVE STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP

GENERAL NOTES

- SEE SHEET A1.01 SITE PLAN FOR COMPOSITE SITE PLAN AND REFERENCE NOTES, DIMENSIONS, ETC., NOT INDICATED ON THIS DRAWING.
- ALL RADII AND LINEAR DIMENSIONS ARE TO FACE OF CURB, UNLESS INDICATED OTHERWISE.
- COORDINATE WITH LANDSCAPE DRAWINGS FOR ALL LANDSCAPING.

LEGEND

- HEAVY DUTY ASPHALT PAVING. RE: CIVIL DRAWINGS.
- HEAVY DUTY CONCRETE. RE: CIVIL DRAWINGS.
- GRAVEL ROAD. RE: CIVIL DRAWINGS.
- BUILDING FOOTPRINT
- FUTURE BAY SPACE
- FENCING. RE: 32 33 00 IN THE SPECIFICATIONS.
- C.I.P. CONCRETE CURB/GLITTER (COORDINATE WITH CIVIL DRAWINGS).
- PROPERTY LINE CORNER PIN
- PROPERTY LINE



Project:  
**TWIN FALLS TRAINING FACILITY**

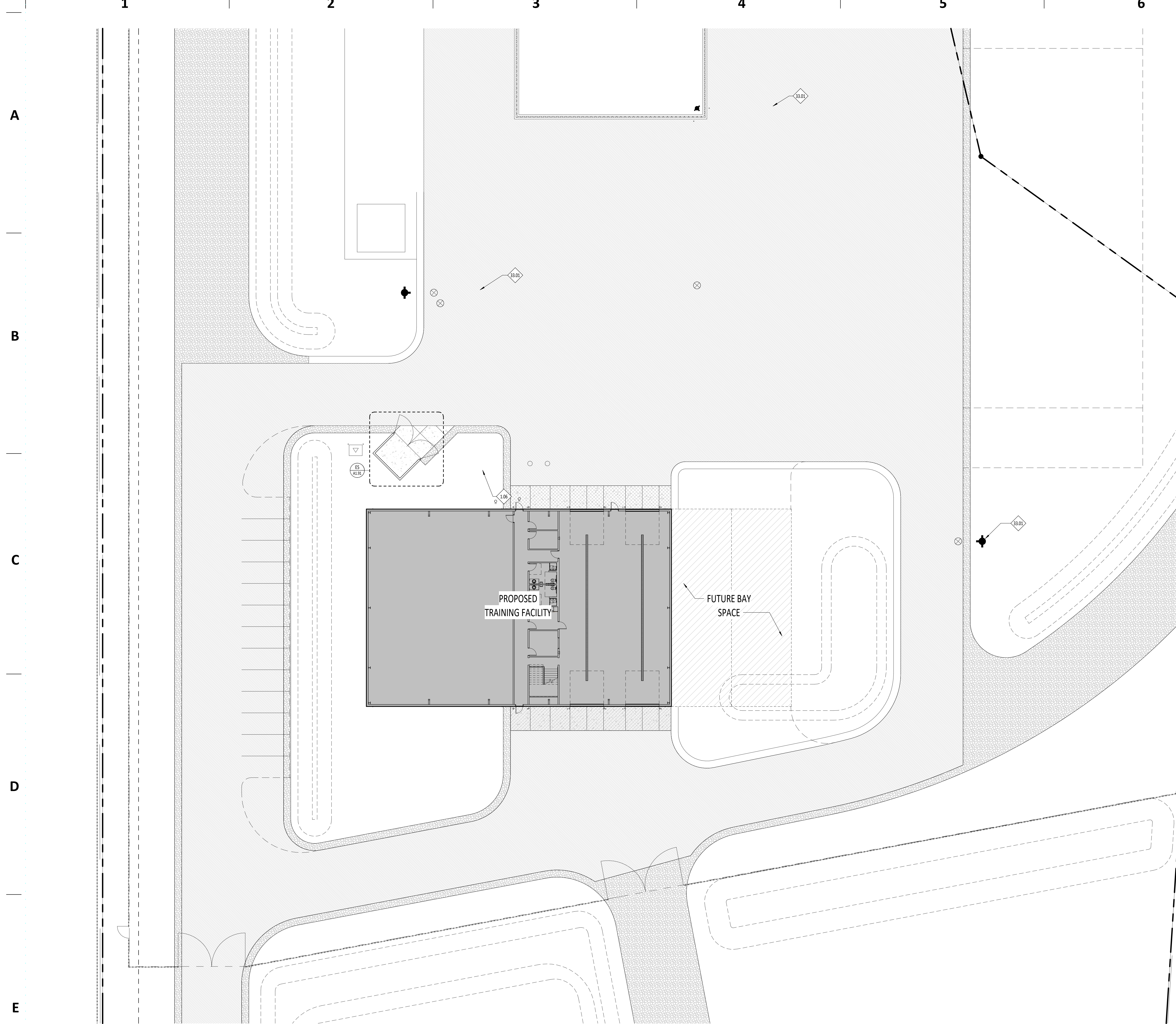
420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
Date: 11/25/2022  
Checked By: TB  
Drawn By: AMMH

Sheet Name:  
**ENLARGED SITE PLAN**

Sheet No:  
**A1.11**



E1 ENLARGED SITE PLAN  
A1.11 1/16" = 1'-0"

11/25/2022 8:58:34 AM

1

2

3

4

5

6

A

B

C

D

E

NOTES - REFERENCE NOTES

- 1.05 COORDINATE WITH CIVIL AND LANDSCAPE DRAWINGS.
- 3.02 FILL BOLLARD WITH CONCRETE, ROUND TOP.
- 3.03 CONCRETE FOOTING, SMOOTH FINISH, SLOPE TOP TO ENSURE POSITIVE DRAINAGE. COORDINATE WITH STRUCTURAL DRAWINGS.
- 5.02 6" SCHEDULE 40, STEEL PIPE SET IN CONCRETE FOOTING. PRIME AND PAINT TO MATCH SECTIONAL DOORS.
- 7.01 SEALED ISOLATION JOINT
- 32.01 ASPHALT FLATWORK, RE: CIVIL DRAWINGS.
- 32.02 BASE COURSE, RE: CIVIL DRAWINGS.
- 32.03 COMPACTED SUBGRADE, RE: CIVIL DRAWINGS.



PIVOT NORTH ARCHITECTURE, PLLC.  
1101 W. GROVE STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP

GENERAL NOTES

- 1. SEE SHEET A1.01 SITE PLAN FOR OVERALL SITE LAYOUT, REFERENCE NOTES, DIMENSIONS, ETC., NOT INDICATED ON THE DRAWING.



Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

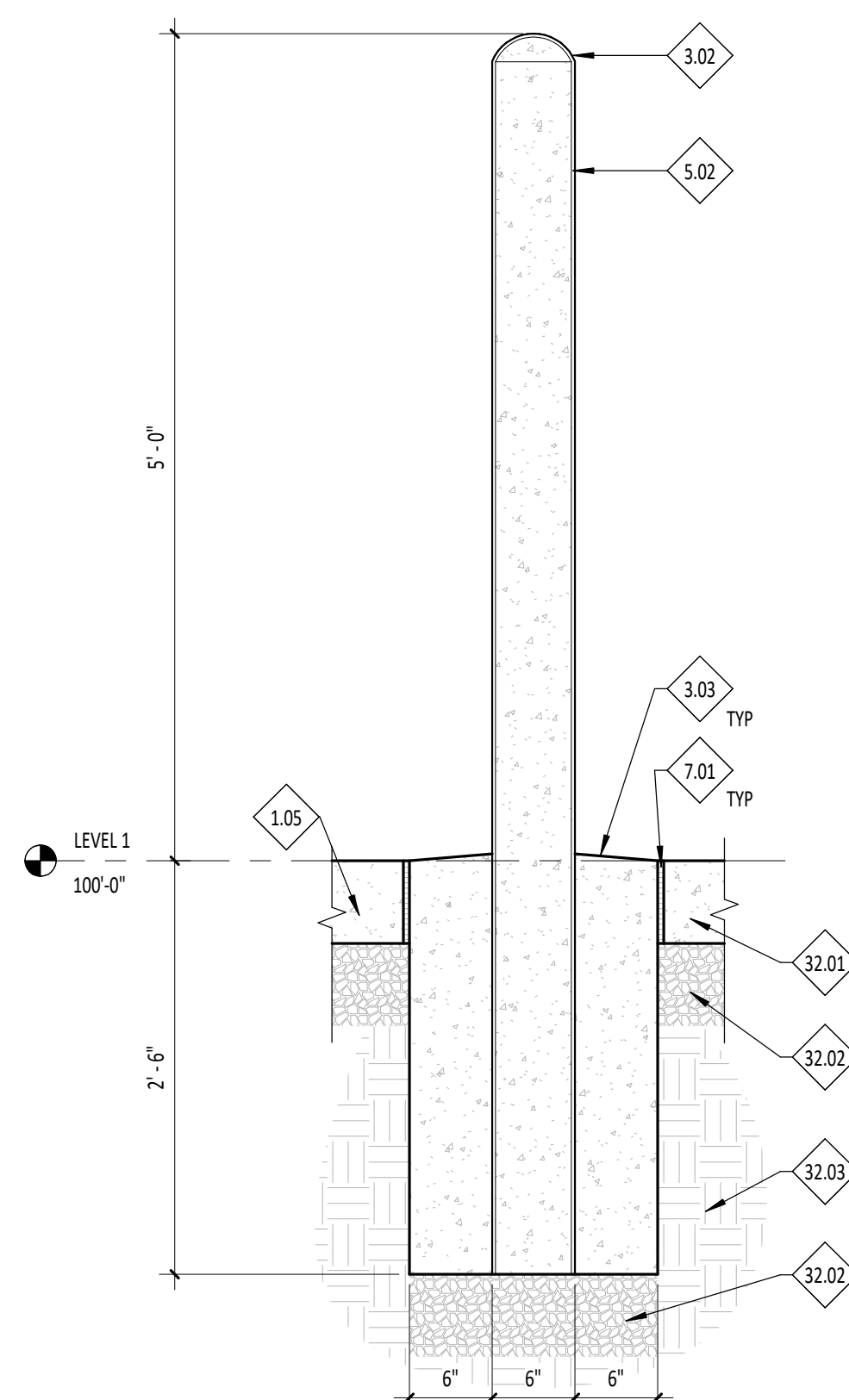
Project No: 19-029  
Date: 11/25/2022  
Checked By: TB  
Drawn By: AMMH

Sheet Name:

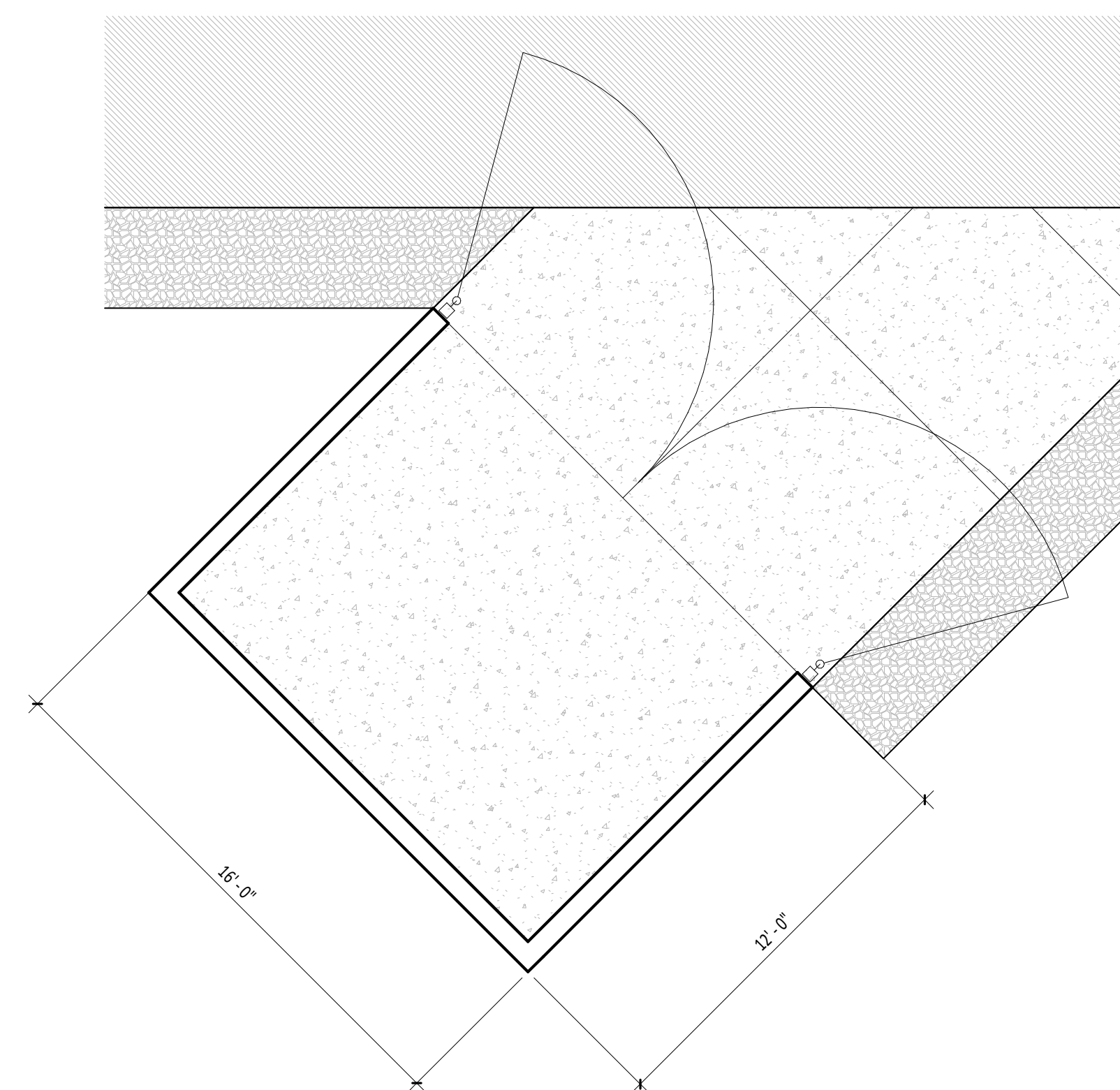
SITE DETAILS

Sheet No:

A1.91



**E3** TYP EXTERIOR STEEL BOLLARD DETAIL  
A1.91 1" = 1'-0"



**E5** ENLARGED FLOOR PLAN - TRASH ENCLOSURE  
A1.91 1/4" = 1'-0"



S.01 FACE OF BOLLARDS TO ALIGN WITH DOOR JAMB. FINISH TO MATCH OVERHEAD DOORS. RE: DETAIL E3/A1.01.

STAMP

GENERAL NOTES

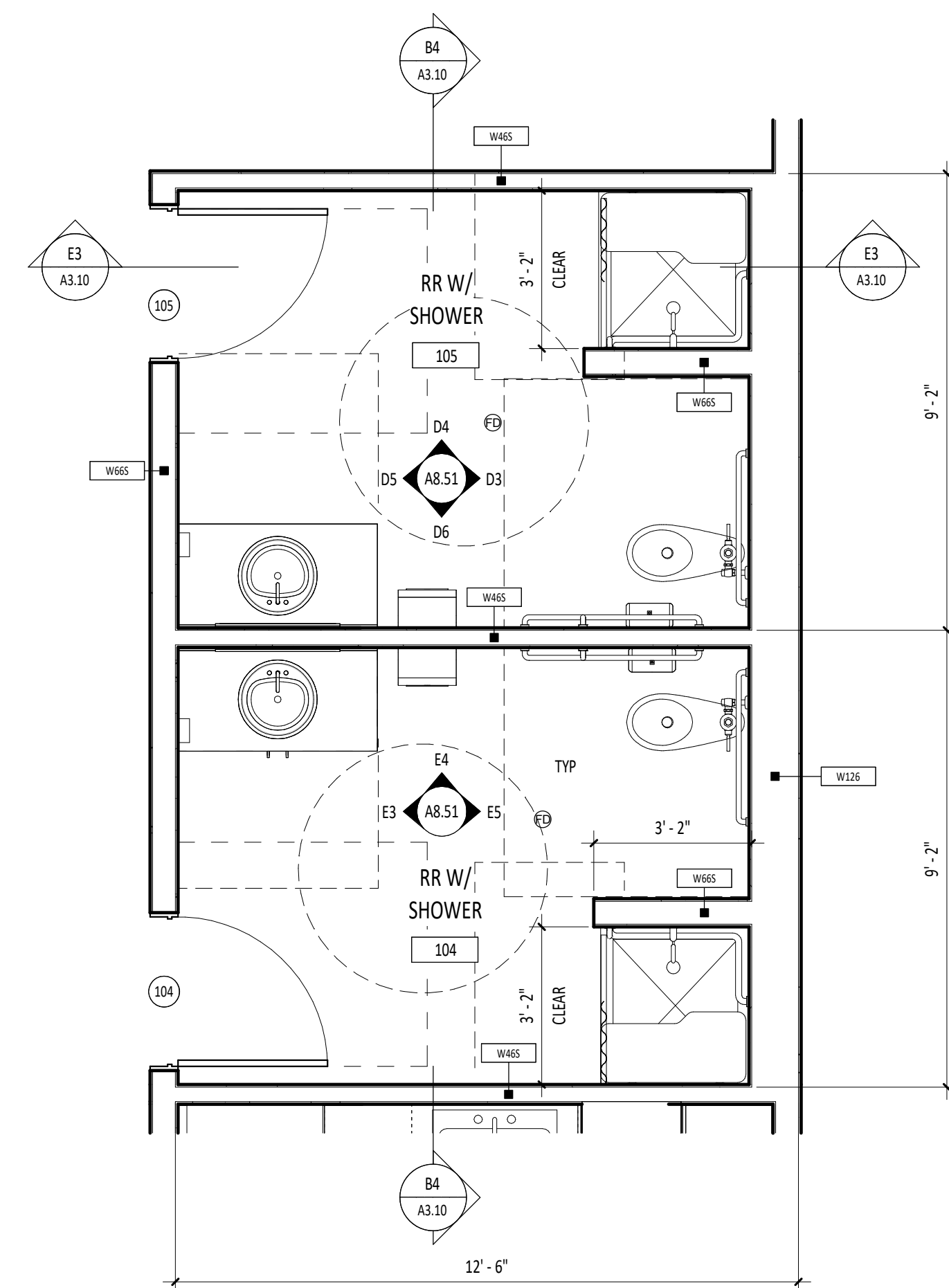
- UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE TO THE FACE OF STUDS FOR GWB WALLS / PARTITIONS.
- FOR FLOOR FINISHES, RE: SHEET A8.00.
- UNLESS NOTED OTHERWISE ALL GWB WALLS SHALL HAVE A 4" STUD FRAME RETURN AT ALL DOOR AND WINDOW JAMBS.
- RE: SHEET G2.01B FOR BUILDING OCCUPANCY PLANS AND FIRE RESISTIVE CONSTRUCTION REQUIREMENTS.
- SEE ENLARGED PLANS FOR ADDITIONAL WALL TYPES.
- FOR WALLS NOT DESIGNATED WITH A WALL TYPE, COORDINATE WITH STRUCTURAL DRAWINGS & WALL SECTIONS.

LEGEND

- DOOR SYMBOL, RE: SHEET A7.01
- WALL TYPE, RE: SHEET G0.04
- WINDOW TYPE, RE: SHEET A7.11
- FIRE EXTINGUISHER CABINET, RE: DIVISION 10 - SPECIALTIES 10 AND SHEET G2.01B.
- FLOOR DRAIN, RE: PLUMBING DRAWINGS.
- PHASE II - TI

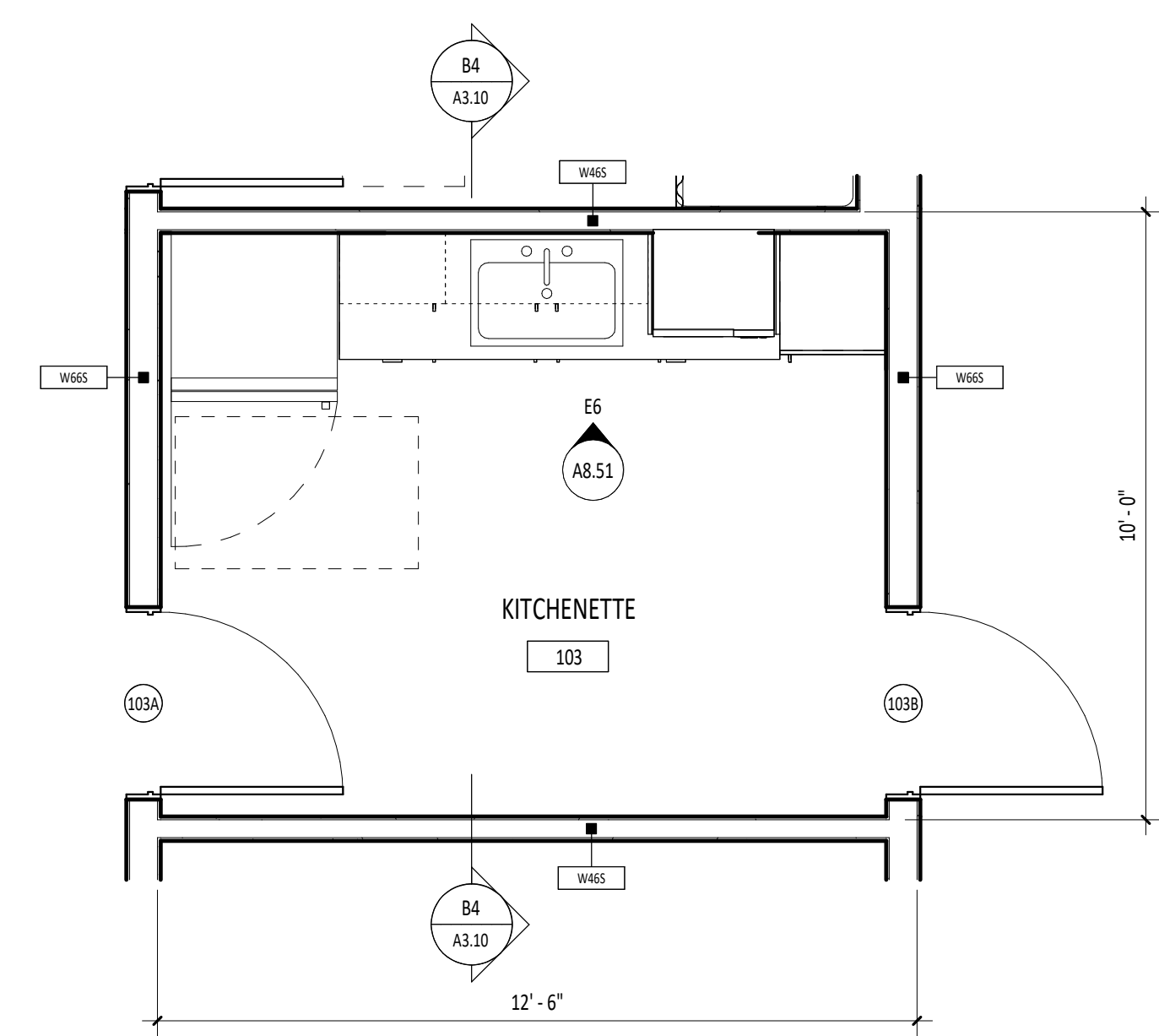
1 2 3 4 5 6

A



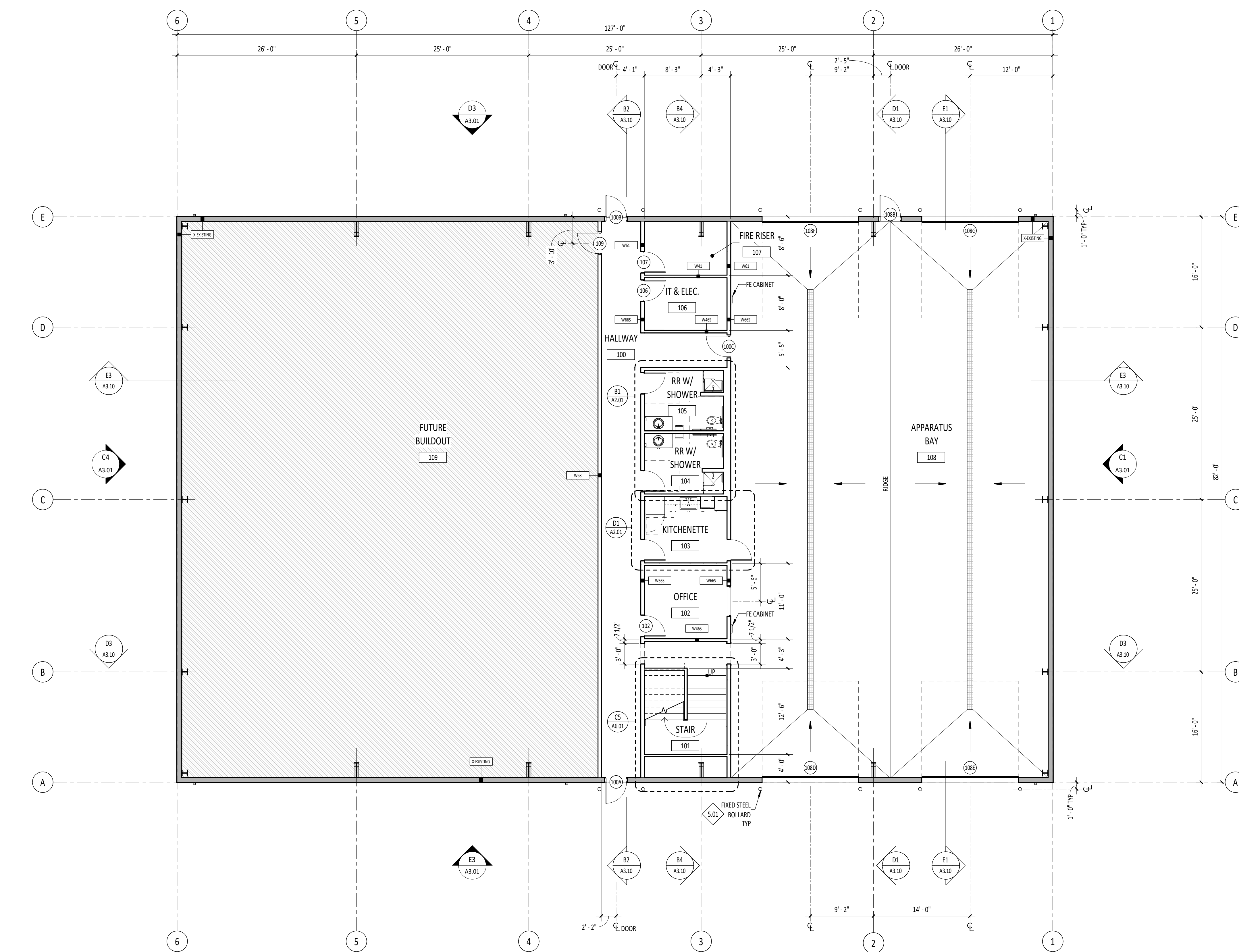
**B1** ENLARGED PLAN - RR/SHOWER 106 & 107  
A2.01 3/8" = 1'-0"

C



**D1** ENLARGED PLAN - KITCHENETTE 104  
A2.01 3/8" = 1'-0"

D



**E2** COMPOSITE FLOOR PLAN - LEVEL 1  
A2.01 1/8" = 1'-0"

E

DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
Date: 11/25/2022  
Checked By: TB  
Drawn By: TBIAMMH

Sheet Name:  
**COMPOSITE FLOOR PLAN - LEVEL 1 & ENLARGED PLANS**

Sheet No:  
**A2.01**

GENERAL NOTES

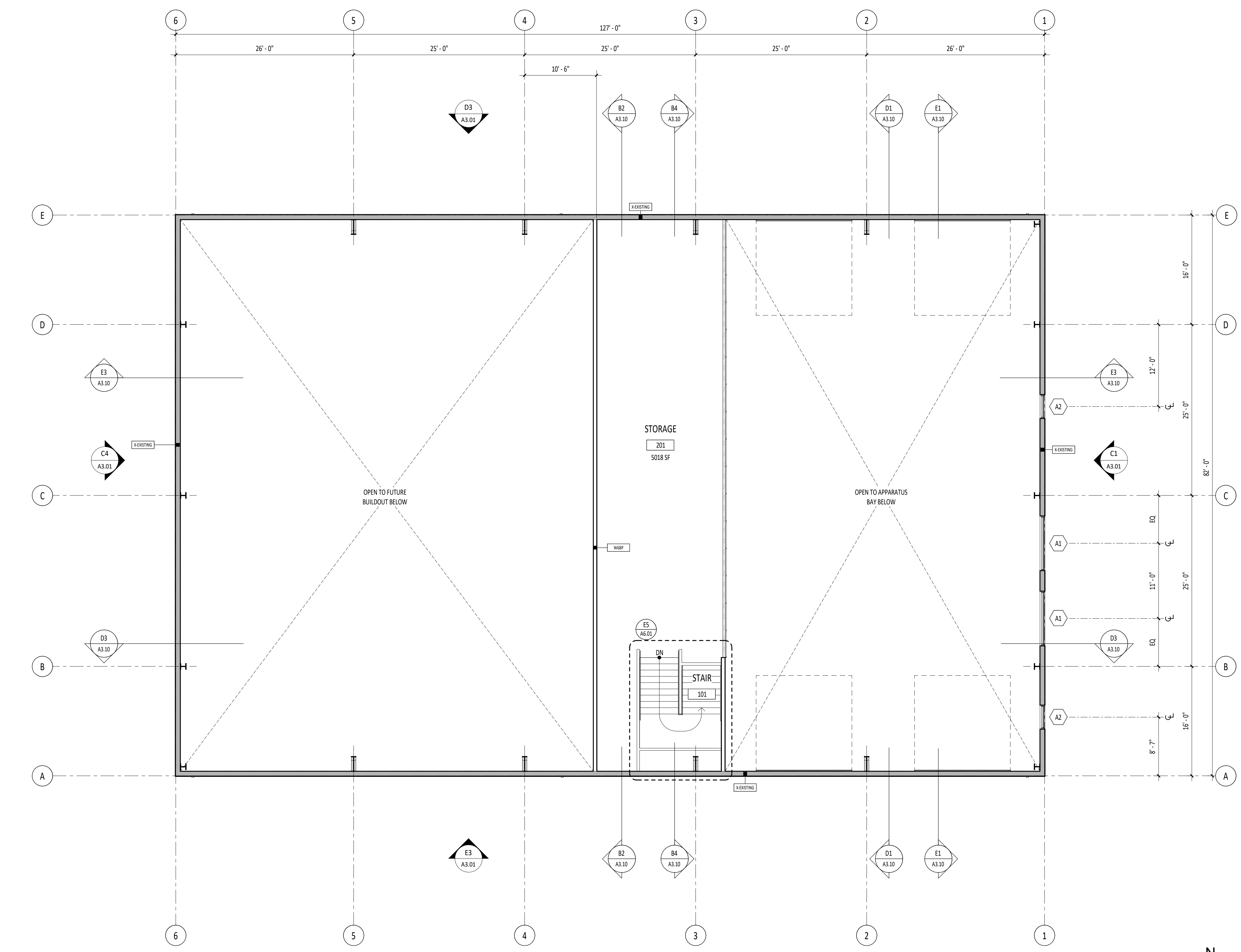
- UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE TO THE FACE OF STUDS FOR GWB WALLS / PARTITIONS.
- FOR FLOOR FINISHES, RE: SHEET A8.00.
- UNLESS NOTED OTHERWISE ALL GWB WALLS SHALL HAVE A 4" STUD FRAME RETURN AT ALL DOOR AND WINDOW JAMBS.
- RE: SHEET G2.01b FOR BUILDING OCCUPANCY PLANS AND FIRE RESISTIVE CONSTRUCTION REQUIREMENTS.
- SEE ENLARGED PLANS FOR ADDITIONAL WALL TYPES.
- FOR WALLS NOT DESIGNATED WITH A WALL TYPE, COORDINATE WITH STRUCTURAL DRAWINGS & WALL SECTIONS.

LEGEND

- DOOR SYMBOL, RE: SHEET A7.01
- WALL TYPE, RE: SHEET G0.04
- WINDOW TYPE, RE: SHEET A7.11
- FIRE EXTINGUISHER CABINET, RE: DIVISION 10 - SPECIALTIES 10 AND SHEET G2.01b.
- FLOOR DRAIN, RE: PLUMBING DRAWINGS.
- PHASE II - TI

A  
B  
C  
D  
E

1 2 3 4 5 6



**E2** COMPOSITE FLOOR PLAN - LEVEL 2  
A2.02 1/8" = 1'-0"

DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
Date: 11/25/2022  
Checked By: TB  
Drawn By: TBIAMMH

Sheet Name:  
**COMPOSITE FLOOR PLAN - LEVEL 2**

Sheet No:  
**A2.02**

GENERAL NOTES

- COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION AND NUMBER OF OTHER ROOF PENETRATIONS (I.E., VENT STACKS, VENT PIPES, CONDUIT PENETRATIONS, ETC.). FLASH ALL PENETRATIONS WEATHER TIGHT. COORDINATE WITH ROOF DETAILS.
- ALL METAL ROOF FLASHING DETAILS SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND REVIEWED BY THE ARCHITECT FOR DESIGN INTENT.
- METAL ROOF PROVIDED BY OTHERS.

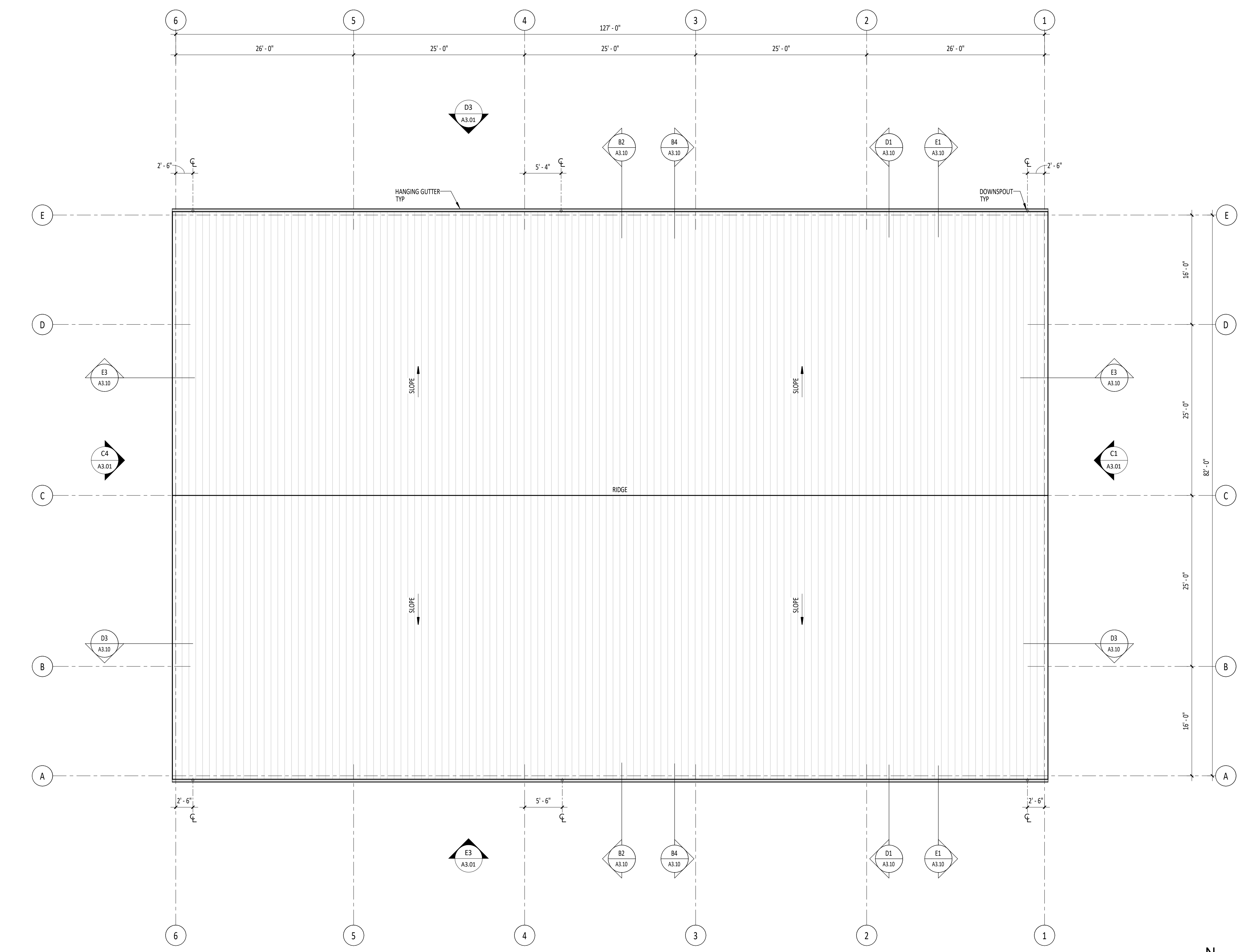
A

B

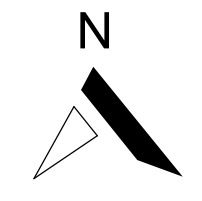
C

D

E



**E2** COMPOSITE ROOF PLAN  
A2.31 1/8" = 1'-0"



DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
 Date: 11/25/2022  
 Checked By: TB  
 Drawn By: AM

Sheet Name:  
**COMPOSITE ROOF PLAN**

Sheet No:  
**A2.31**

NOTES - REFERENCE NOTES

S.01 FACE OF BOLLARDS TO ALIGN WITH DOOR JAMB. FINISH TO MATCH OVERHEAD DOORS. RE: DETAIL E3/A3.01.



PIVOT NORTH ARCHITECTURE, PLLC.  
1101 W. GROVE STREET  
BOISE, ID 83702  
www.pivotalnorthdesign.com

STAMP

GENERAL NOTES

1. RE: FLOOR PLANS FOR EXTERIOR DOOR AND WINDOW TYPES.
2. EXTERIOR METAL SIDING PROVIDED BY OTHERS.



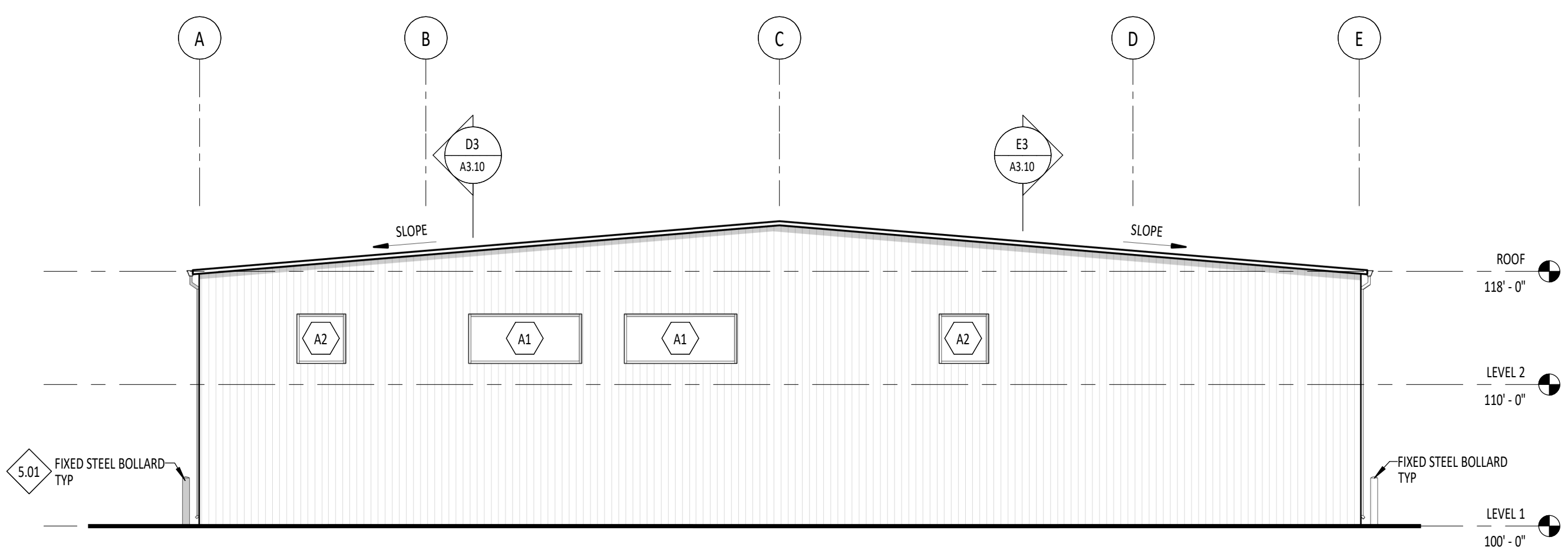
Project:  
TWIN FALLS TRAINING FACILITY  
420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

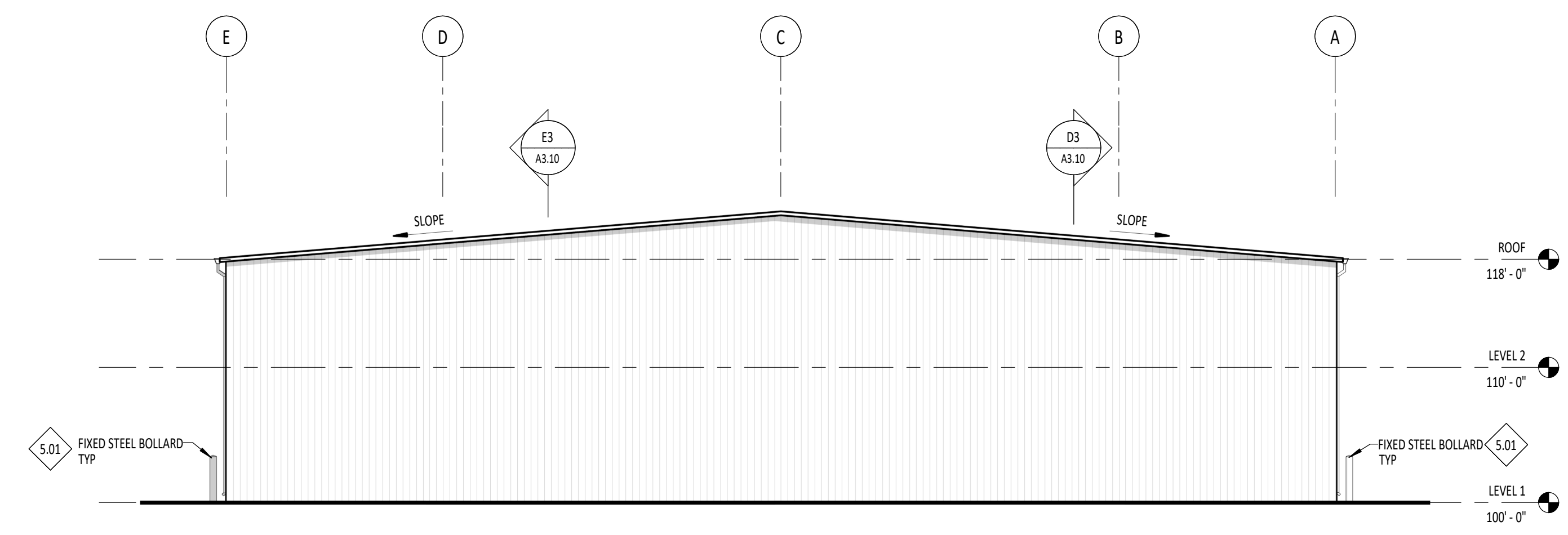
Project No: 19-029  
Date: 11/25/2022  
Checked By: TB  
Drawn By: TBIAMMH

Sheet Name:  
BUILDING ELEVATIONS

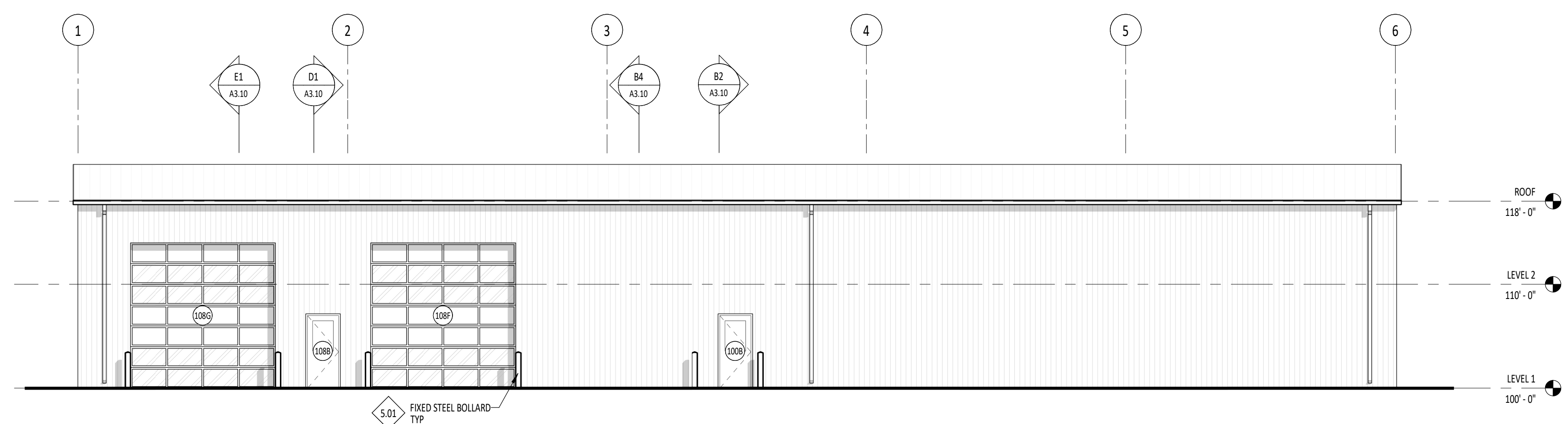
Sheet No:  
A3.01



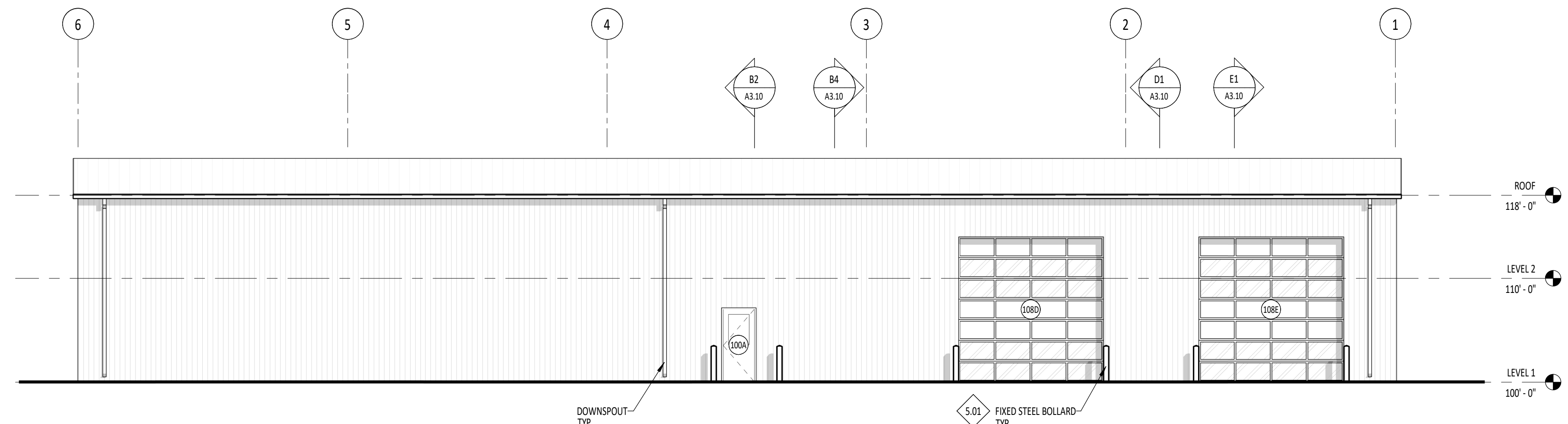
C1 EXTERIOR ELEVATION - EAST  
A3.01 1/8" = 1'-0"



C4 EXTERIOR ELEVATION - WEST  
A3.01 1/8" = 1'-0"



D3 EXTERIOR ELEVATION - NORTH  
A3.01 1/8" = 1'-0"



E3 EXTERIOR ELEVATION - SOUTH  
A3.01 1/8" = 1'-0"

11/25/2022 8:58:30 AM



STAMP

RICE/fergusMILLER

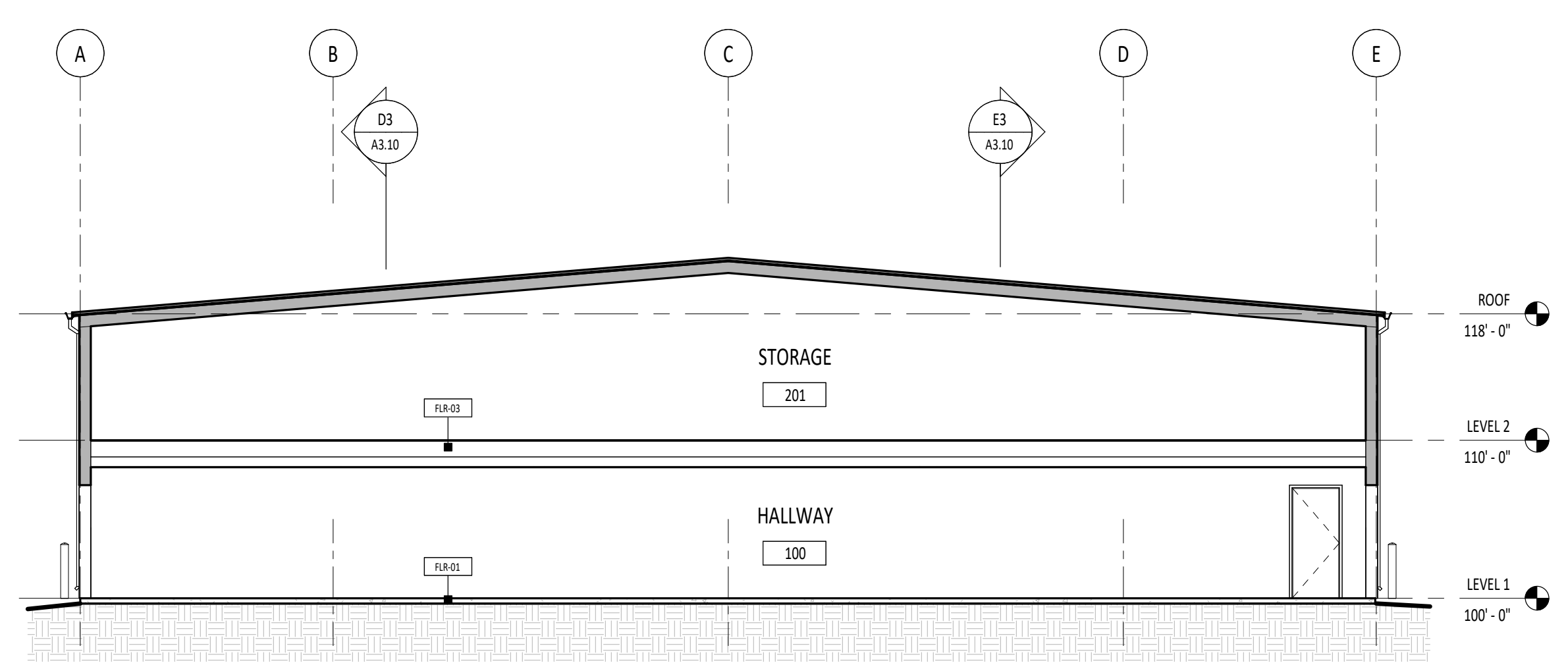
GENERAL NOTES

- FOR REINFORCING OF CONCRETE SLABS, FOOTINGS AND FOUNDATIONS, COORDINATE WITH STRUCTURAL DRAWINGS.
- FOR WINDOW TYPES, COORDINATE WITH FLOOR PLANS.
- RE: FLOOR PLANS FOR WALL TYPES.

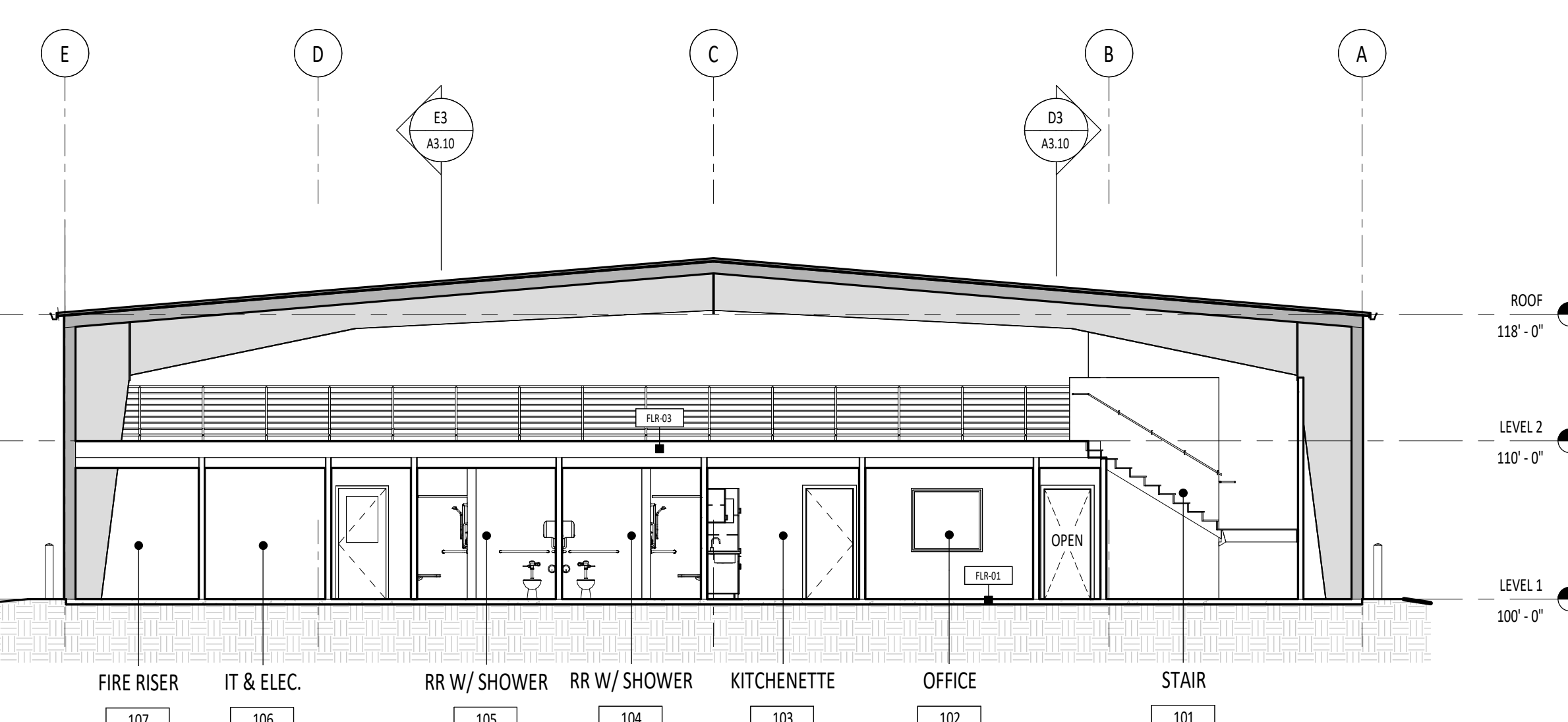
LEGEND

- PHASE II - TI
- PRE-ENGINEERED RIGID FRAME STRUCTURE PROVIDED BY OTHERS

A



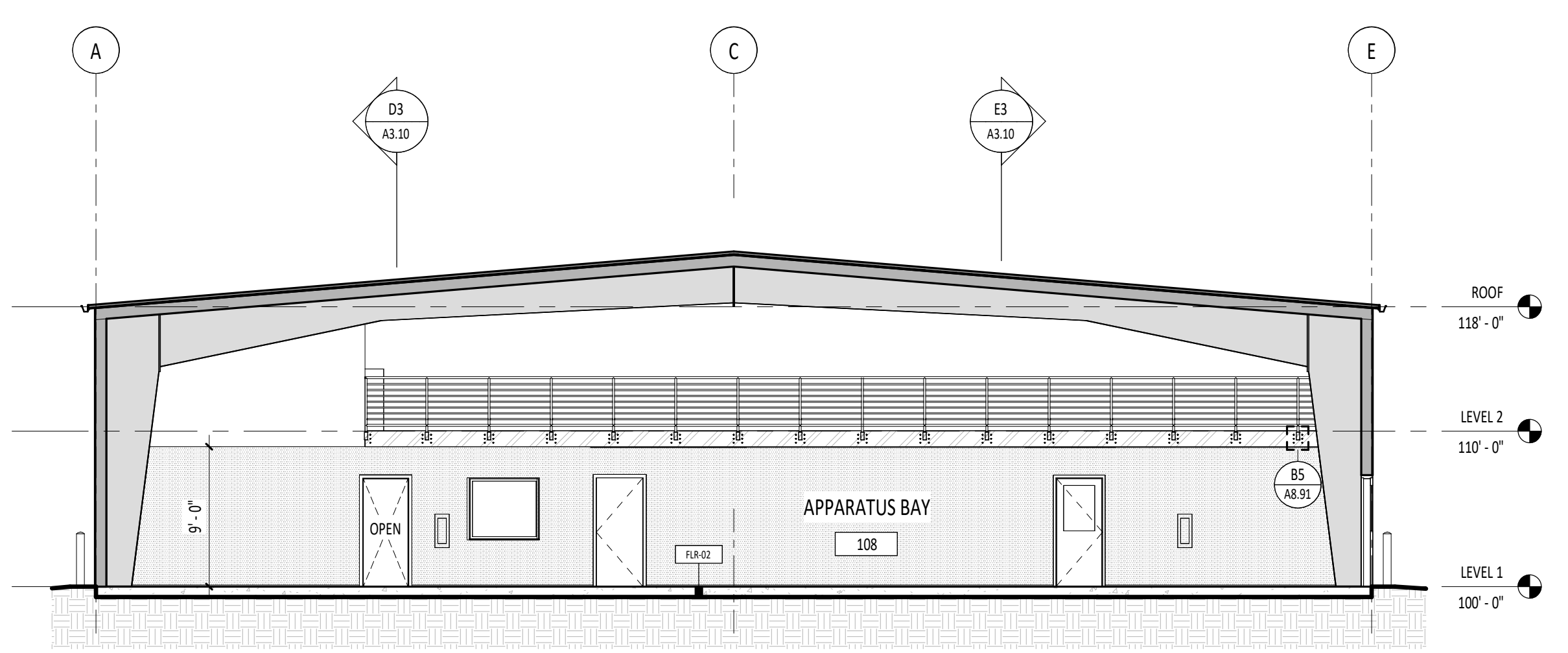
**B2** BUILDING SECTION (GRID 4)  
A3.10 1/8" = 1'-0"



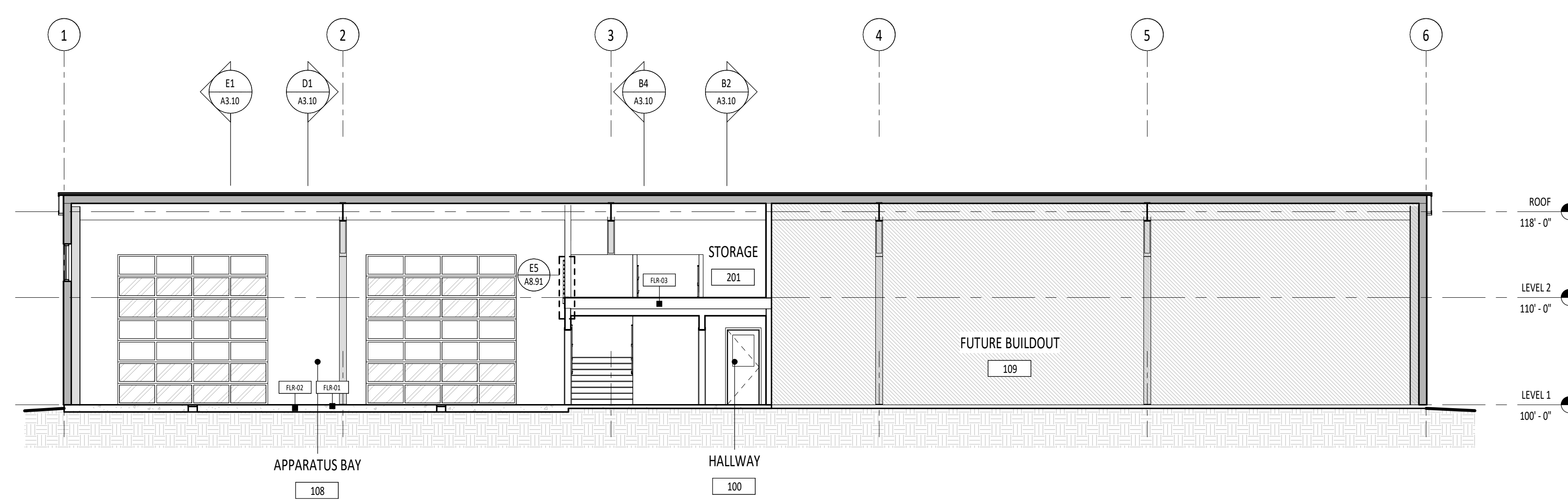
**B4** BUILDING SECTION (GRID 3)  
A3.10 1/8" = 1'-0"

B

C



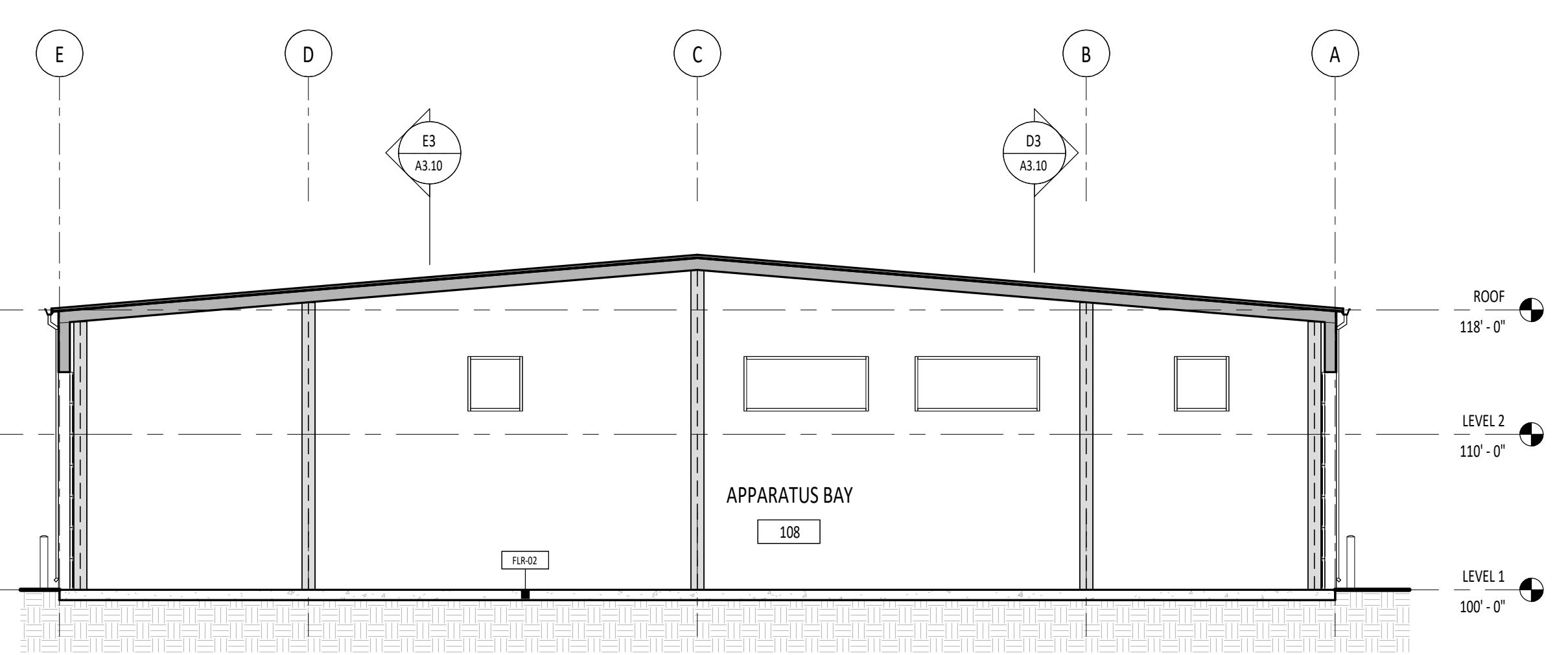
**D1** BUILDING SECTION (GRID 2)  
A3.10 1/8" = 1'-0"



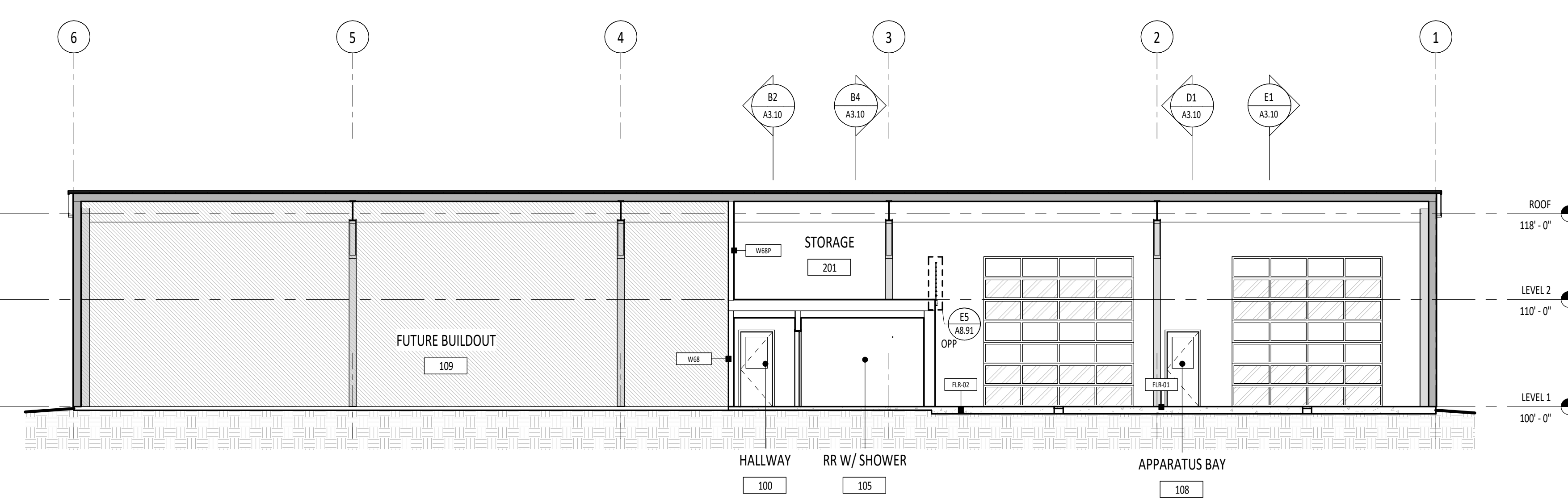
**D3** BUILDING SECTION (GRID B)  
A3.10 1/8" = 1'-0"

D

E



**E1** BUILDING SECTION (GRID 1)  
A3.10 1/8" = 1'-0"



**E3** BUILDING SECTION (GRID A)  
A3.10 1/8" = 1'-0"

DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

Project:  
TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
Date: 11/25/2022  
Checked By: TB  
Drawn By: TBIAM  
Sheet Name:

BUILDING SECTIONS

Sheet No:  
**A3.10**

S.03 LINE OF PRE-ENGINEERED RIGID FRAME STRUCTURE ABOVE, RE: BUILDING AND STAIR SECTIONS.

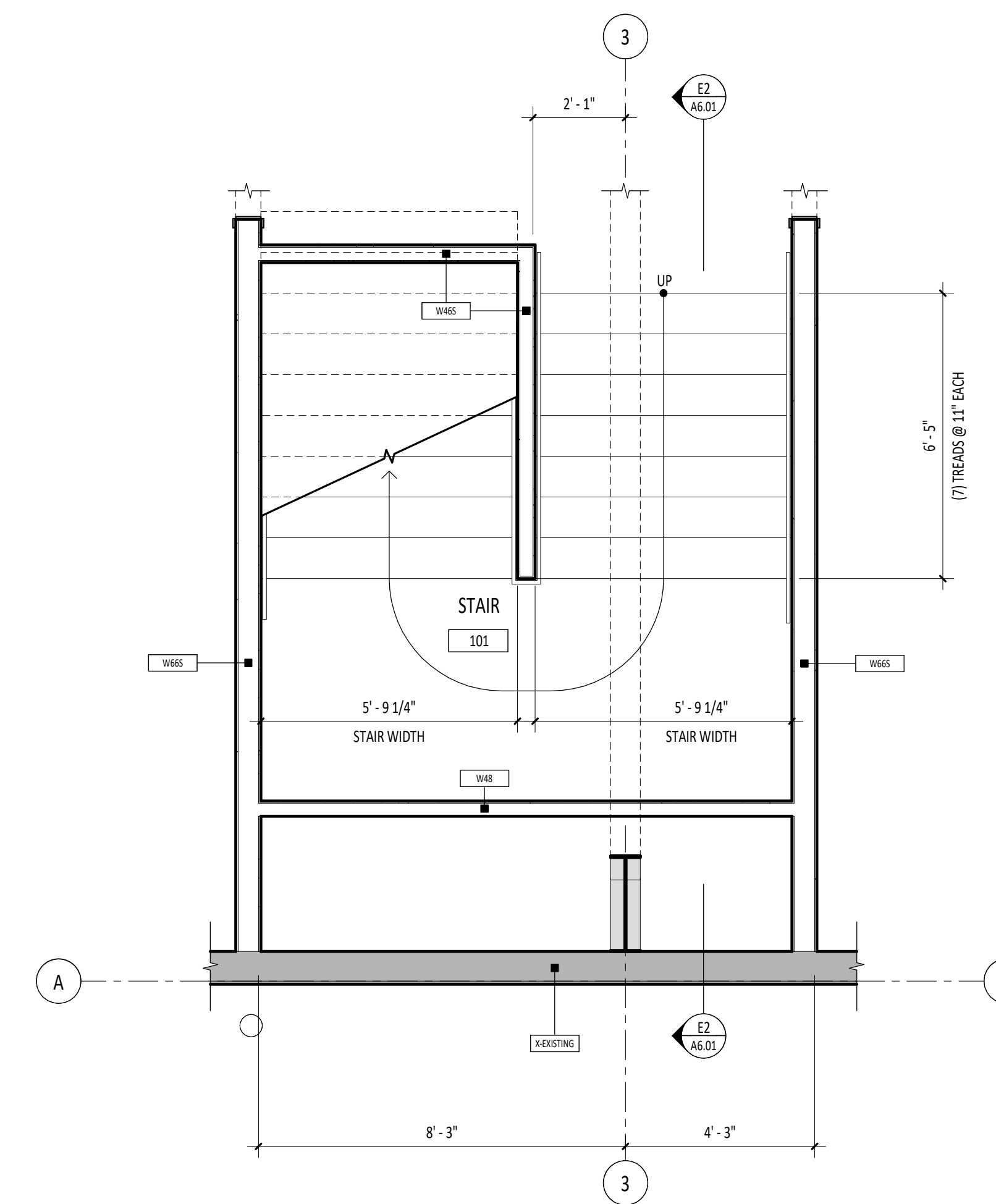
STAMP

GENERAL NOTES

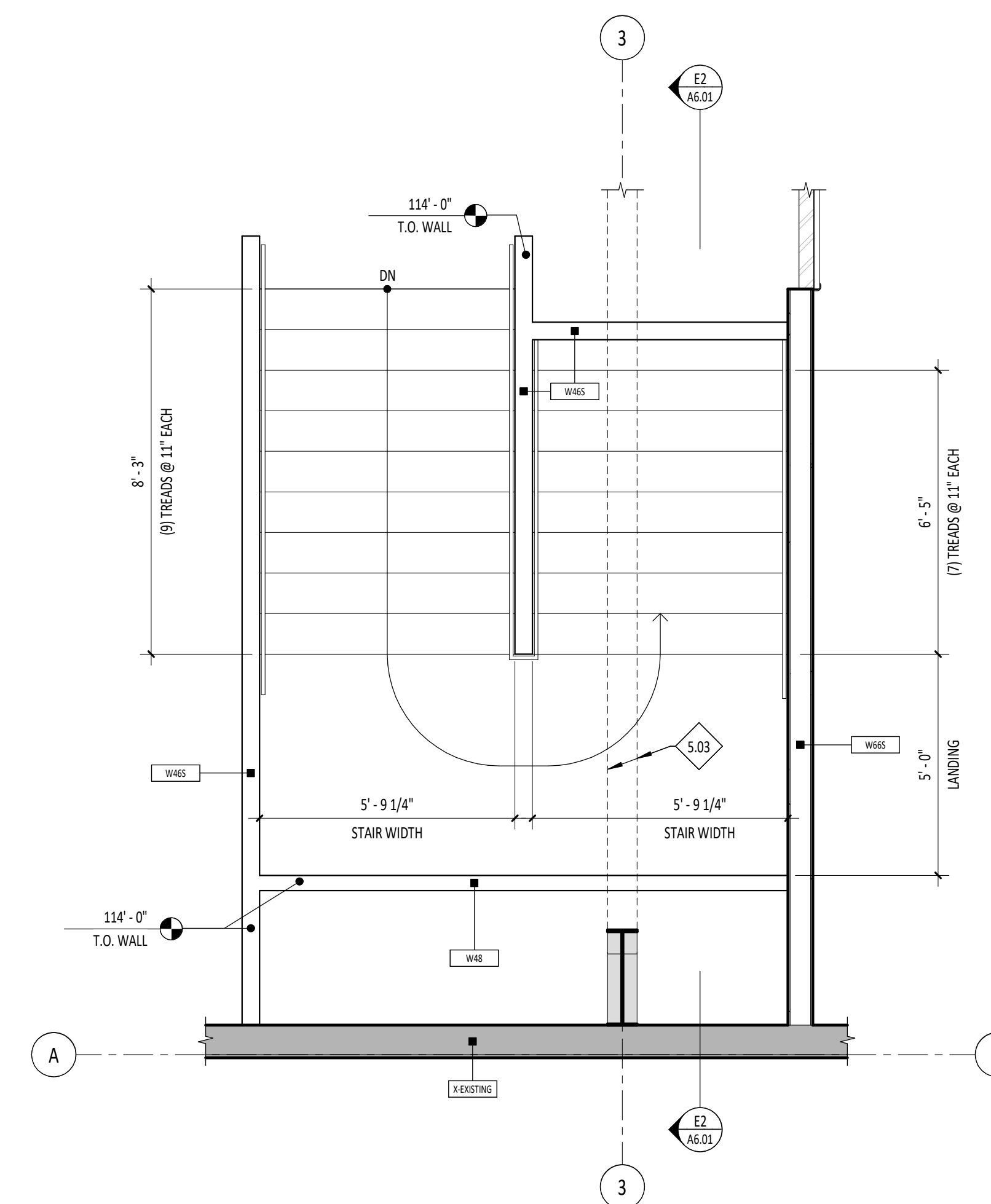
1. FOR REINFORCING OF CONCRETE SLABS, FLOORINGS AND FOUNDATIONS COORDINATE WITH STRUCTURAL DRAWINGS.
2. FOR WINDOW TYPES, RE: FLOOR PLANS.
3. PROVIDE BITUMINOUS DAMPROOFING ON ALL EXTERIOR FOUNDATION WALLS AS PER SPECIFICATION SECTION 07115. PROVIDE BELOW GRADE ONLY.
4. PAINT ALL GUARD AND HANDRAIL SYSTEMS PAINT COLOR P-4, UNLESS OTHERWISE NOTED. RE: DIVISION 9 SECTION "EXTERIOR PAINTING".
5. FOR DOOR TYPES, RE: FLOOR PLANS.
6. RE: SHEET A8.00 FOR ROOM FINISH SCHEDULE.

LEGEND

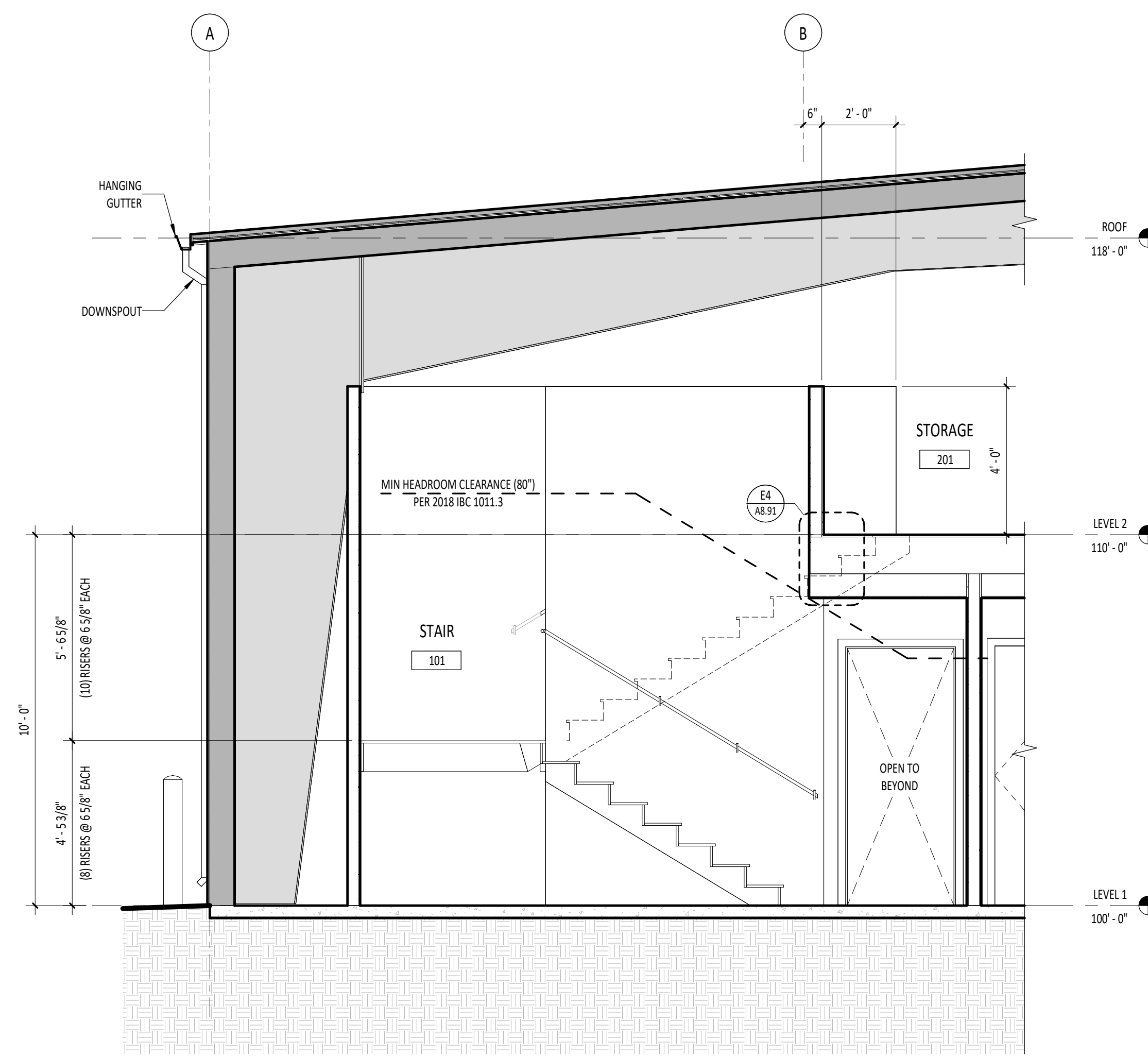
- PRE-ENGINEERED RIGID FRAME STRUCTURE PROVIDED BY OTHERS.
- PRE-ENGINEERED WALL AND ROOF ASSEMBLIES PROVIDED BY OTHERS.



**C5** ENLARGED STAIR PLAN - LEVEL 1  
A6.01 3/8" = 1'-0"



**E5** ENLARGED STAIR PLAN - LEVEL 2  
A6.01 3/8" = 1'-0"



**E2** STAIR SECTION (EAST/WEST)  
A6.01 3/8" = 1'-0"

DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
Date: 11/25/2022  
Checked By: TB  
Drawn By: TB/AM

Sheet Name:

**STAIR PLANS AND SECTIONS**

Sheet No:

**A6.01**



PIVOT NORTH ARCHITECTURE, PLLC.  
1101 W. GROVE STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



Project:  
**TWIN FALLS TRAINING FACILITY**  
420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
Date: 11/25/2022  
Checked By: TB  
Drawn By: TB/AM

Sheet Name:

**DOOR SCHEDULE & TYPES**

Sheet No:  
**A7.01**

**SCHEDULE - DOOR**

DOOR #	DOOR					FRAME			DOOR HARDWARE	Fire Rating	REMARKS
	TYPE	WIDTH	HEIGHT	MATERIAL	FINISH	TYPE	MATERIAL	FINISH			
100A	HG	3'-0"	7'-0"	MTL	PAINT	S1	HM	P-			COLOR RED AS SELECTED BY ARCHITECT
100B	HG	3'-0"	7'-0"	MTL	PAINT	S1	HM	P-			COLOR RED AS SELECTED BY ARCHITECT
100C	HG	3'-0"	7'-0"	WD	FF	S1	HM	P-			
102	F	3'-0"	7'-0"	WD	FF	S1	HM	P-			
103A	F	3'-0"	7'-0"	WD	FF	S1	HM	P-			
103B	F	3'-0"	7'-0"	WD	FF	S1	HM	P-			
104	F	3'-0"	7'-0"	WD	FF	S1	HM	P-			
105	F	3'-0"	7'-0"	WD	FF	S1	HM	P-			
106	F	3'-0"	7'-0"	WD	FF	S1	HM	P-			
107	F	3'-0"	7'-0"	WD	FF	S1	HM	P-	45 MIN		MINIMUM 45 MINUTE RATING TO FIRE RISER ROOM
108B	HG	3'-0"	7'-0"	MTL	PAINT	S1	HM	P-			COLOR RED AS SELECTED BY ARCHITECT
108D	OH	14'-0"	14'-0"	PER MANUFACTURER	FF	PER MANUFACTURER	PER MANUFACTURER	P-			COLOR RED AS SELECTED BY ARCHITECT
108E	OH	14'-0"	14'-0"	PER MANUFACTURER	FF	PER MANUFACTURER	PER MANUFACTURER	P-			COLOR RED AS SELECTED BY ARCHITECT
108F	OH	14'-0"	14'-0"	PER MANUFACTURER	FF	PER MANUFACTURER	PER MANUFACTURER	P-			COLOR RED AS SELECTED BY ARCHITECT
108G	OH	14'-0"	14'-0"	PER MANUFACTURER	FF	PER MANUFACTURER	PER MANUFACTURER	P-			COLOR RED AS SELECTED BY ARCHITECT
109	F	3'-0"	7'-0"	MTL	PAINT	S1	HM	P-			

**GENERAL NOTES**

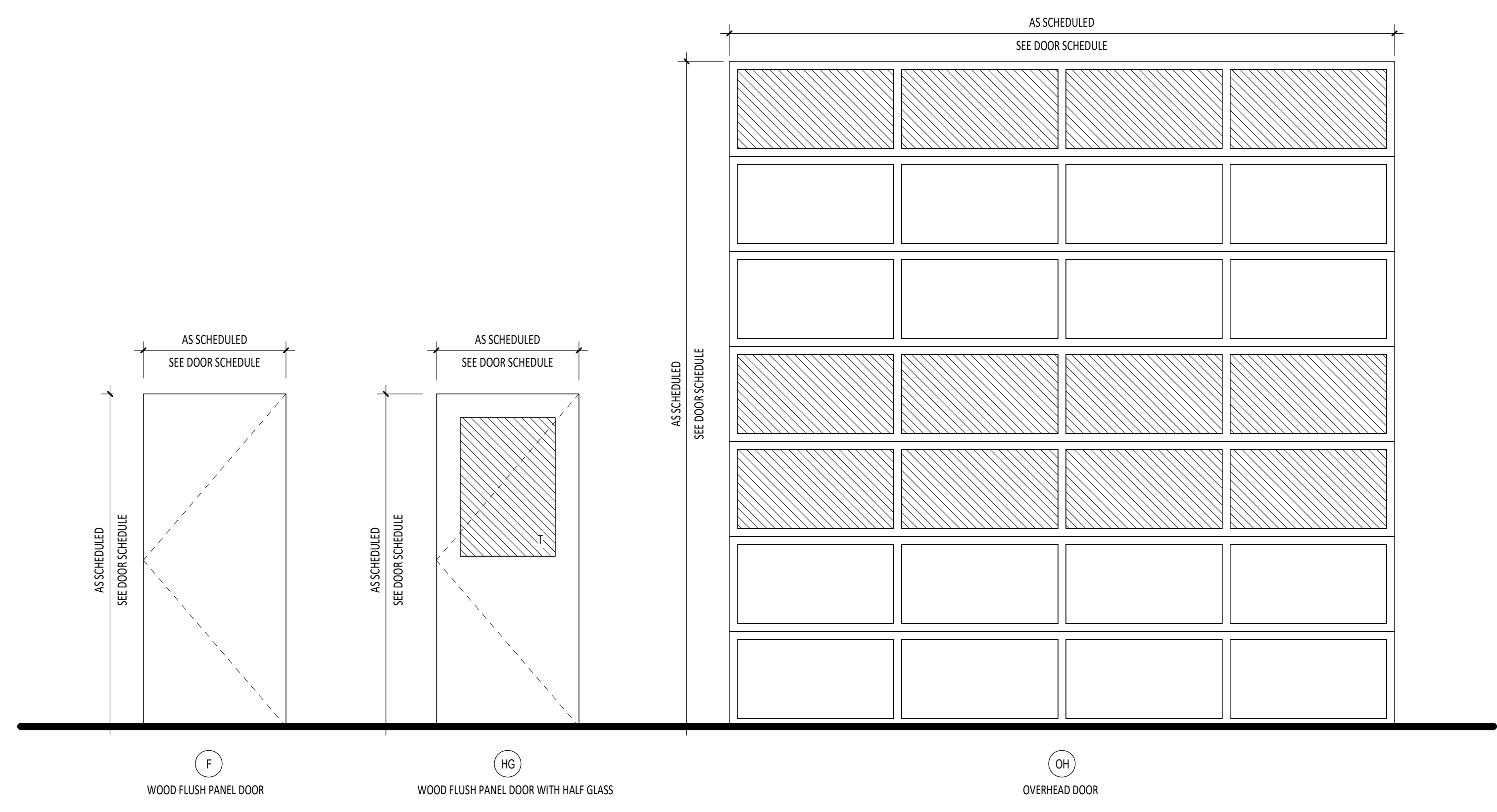
1. PAINT ALL HOLLOW METAL FRAMES PS-#
2. PROVIDE FULLY TEMPERED GLASS UNITS WHERE REQUIRED BY I.B.C.
3. SECTION 2406 AND SPECIFICATION SECTION 08000 - GLAZING
4. PROVIDE FLOAT GLASS (08800.A) AT CONDITIONS OTHER THAN DESCRIBED IN GENERAL NOTES 3.4, 8.5 OF DRAWING SHEET ?

**LEGEND**

- HATCH IN FRAME UNITS INDICATES AREAS OF FULLY-TEMPERED FLOAT GLASS. RE: DIVISION 08800 IN THE SPECIFICATIONS.
- NO HATCH AREA IN FRAME UNITS INDICATES AREAS OF FLOAT GLASS. RE: DIVISION 08800 IN THE SPECIFICATIONS.

**ABBREVIATIONS**

- ALUM - ALUMINUM
- FF - FACTORY FINISH AS SPECIFIED
- HM - HOLLOW METAL
- HPC - HIGH PERFORMANCE COATING
- M - MINUTES
- PF - PAINT COLOR "NUMBER" (RE: DIVISION 9 SECTION "INTERIOR PAINTING").
- WD - WOOD
- S - SMOKE
- AN - ANODIZED



**DOOR TYPES**  
1/2" = 1'-0"

DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

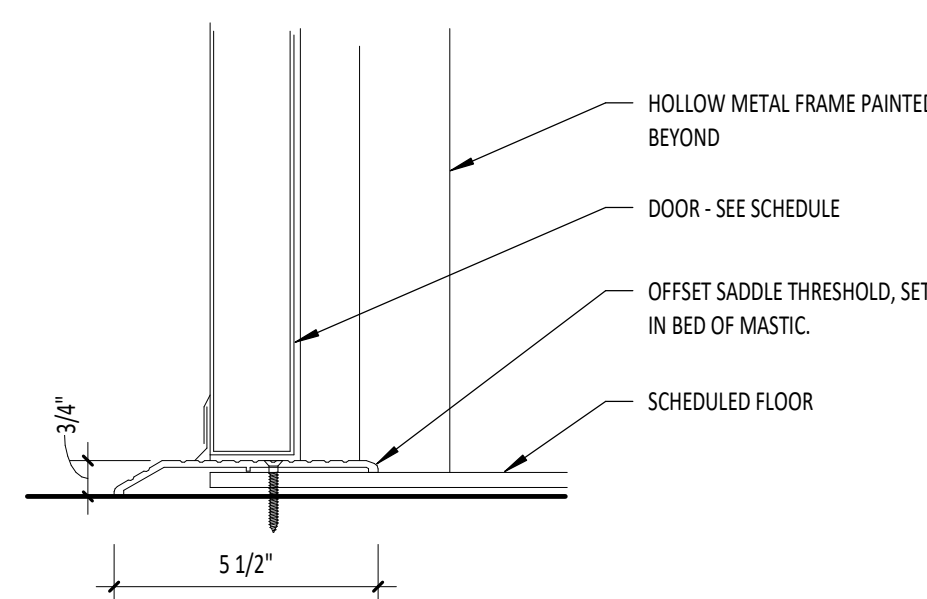
A

B

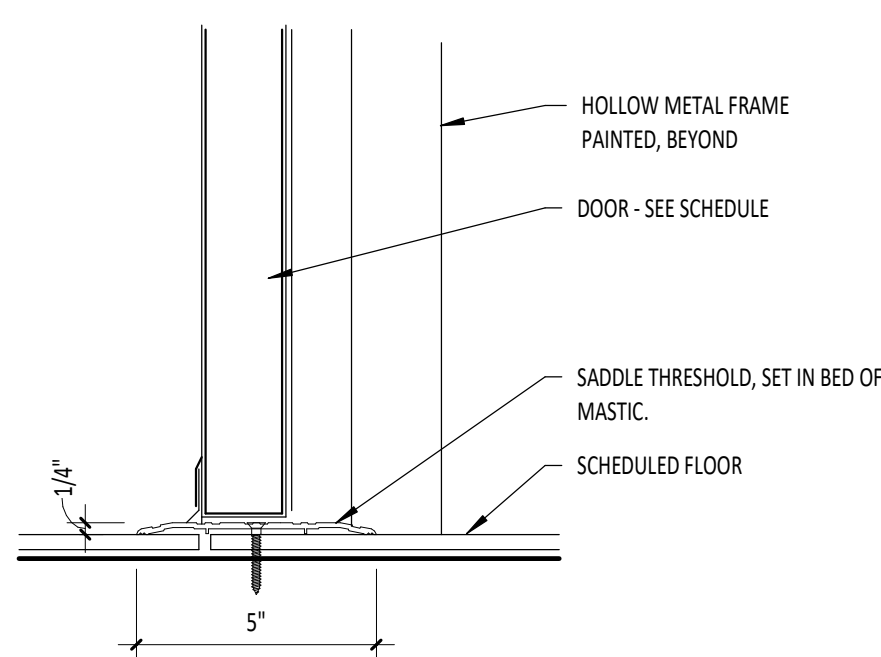
C

D

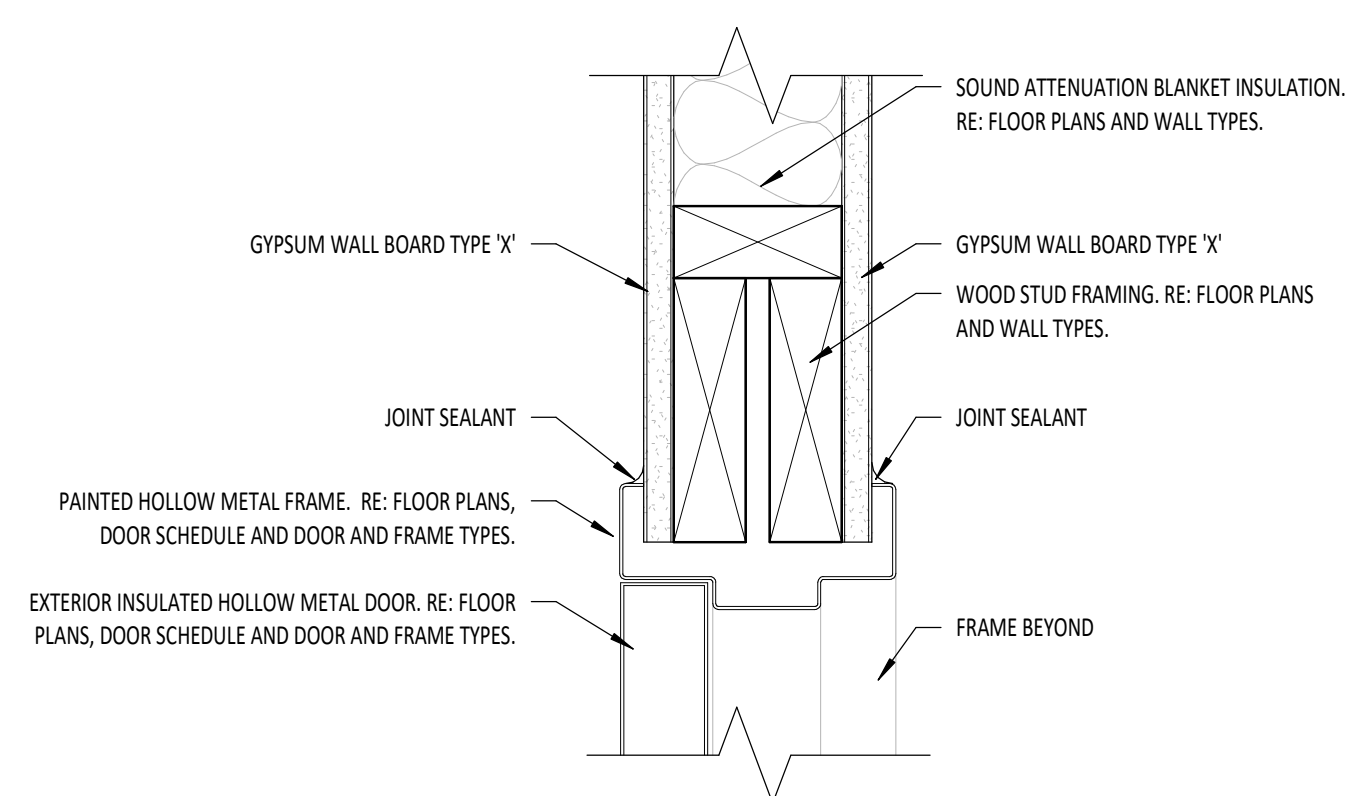
E



**B3** OFFSET SADDLE THRESHOLD DETAIL  
A7.11 3" = 1'-0"



**B4** SADDLE THRESHOLD DETAIL  
A7.11 3" = 1'-0"



**B5** TYP HEAD DETAIL (JAMB SIM) (HM FRAME/WOOD FRAMED WALL)  
A7.11 3" = 1'-0"

GENERAL NOTES

1. PAINT ALL HOLLOW METAL FRAMES PS-#.
2. PROVIDE FULLY TEMPERED GLASS UNITS WHERE REQUIRED BY I.B.C. SECTION 2406 AND SPECIFICATION SECTION 08000 - GLAZING.
3. PROVIDE FLOAT GLASS (08000.A) AT CONDITIONS OTHER THAN DESCRIBED IN GENERAL NOTES 3.4, 8.5 OF DRAWING SHEET ?
- 4.

LEGEND

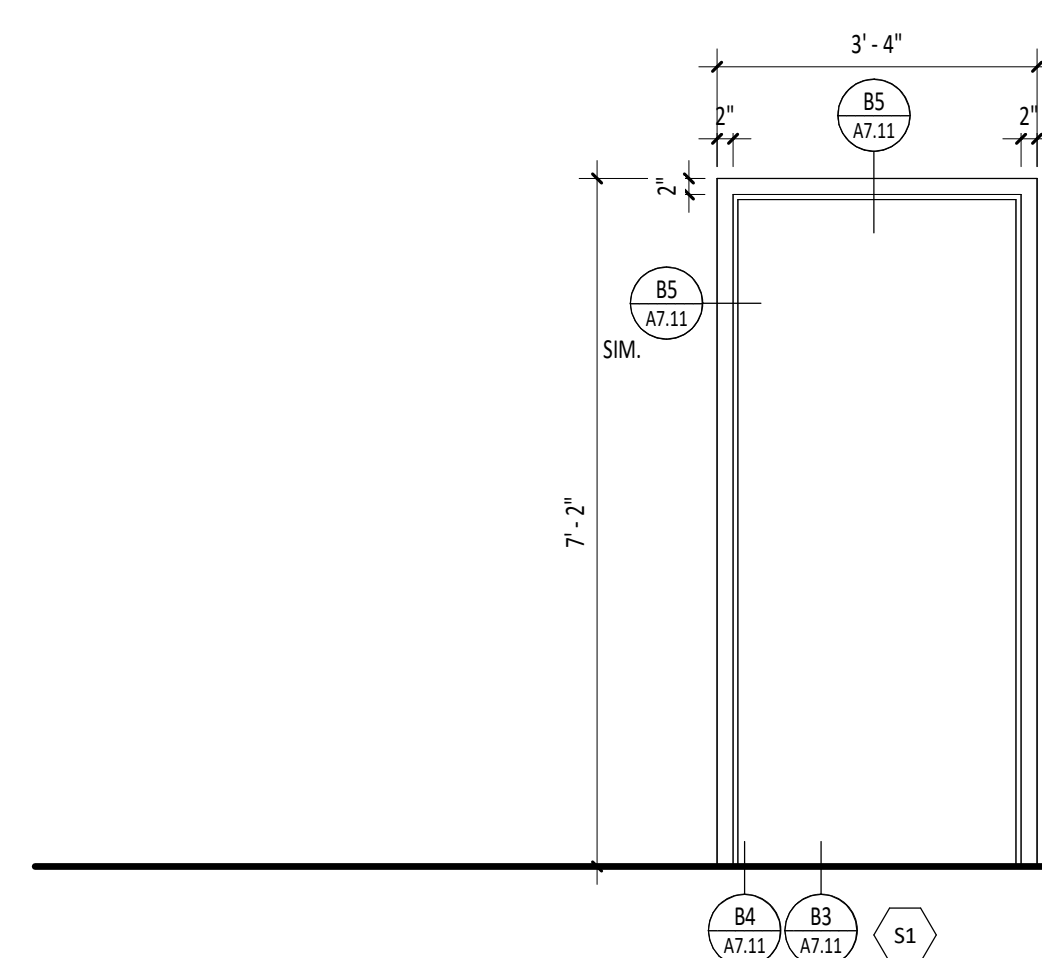
- HATCH IN FRAME UNITS INDICATES AREAS OF FULLY TEMPERED FLOAT GLASS. RE: DIVISION 08000 IN THE SPECIFICATIONS.
- NO HATCH AREA IN FRAME UNITS INDICATES AREAS OF FLOAT GLASS. RE: DIVISION 08000 IN THE SPECIFICATIONS.

ABBREVIATIONS

- ALUM - ALUMINUM
- FF - FACTORY FINISH AS SPECIFIED
- HM - HOLLOW METAL
- HPC - HIGH PERFORMANCE COATING
- M - MINUTES
- PH - PAINT COLOR "NUMBER" (RE: DIVISION 9 SECTION "INTERIOR PAINTING").
- WD - WOOD
- S - SMOKE
- AN - ANODIZED

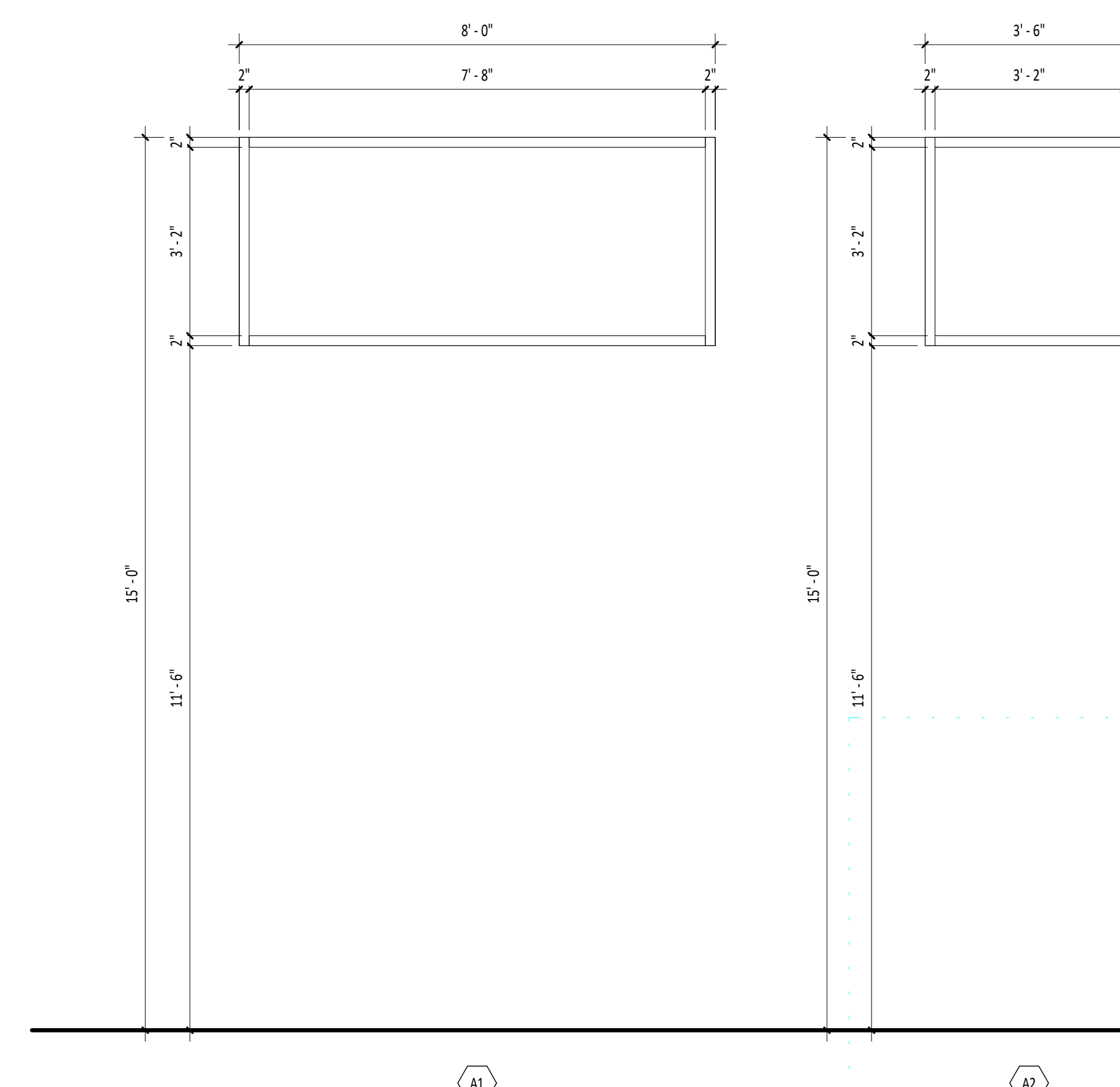
STEEL FRAME TYPES

1/2" = 1'-0"



ALUMINUM FRAME TYPES

1/2" = 1'-0"



DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

Project:  
TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
 Date: 11/25/2022  
 Checked By: TB  
 Drawn By: TBIAMMH

Sheet Name:

FRAME TYPES & FRAME DETAILS

Sheet No:

A7.11



PIVOT NORTH ARCHITECTURE, PLLC.  
1101 W. GROVE STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



GENERAL NOTES

- RE: ROOM FINISH SCHEDULE SHEET FOR ADDITIONAL INFORMATION ON FLOOR AND WALL FINISHES.
- TILE PATTERNS MUST MAINTAIN EXACT CONFIGURATION SHOWN.
- COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- RE: REFLECTED CEILING PLANS FOR CEILING AND SOFFIT PAINT COLOR LOCATIONS.
- ALL TILE PATTERNS ARE TO BE FULL TILES EXCEPT WHERE PATTERN IS INTERRUPTED BY PORTIONS OF BUILDING, SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
- PROVIDE ADA COMPLIANT FLOOR ACCESSORIES FOR FLOORING TRANSITIONS.
- NOT ALL FLOOR FINISHES ARE SHOWN ON FLOOR FINISH PLANS.  
RE: ROOM FINISH SCHEDULE FOR ALL FLOOR FINISH LOCATIONS.

Project:  
TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029

Date: 11/25/2022

Checked By: TB

Drawn By: TB/AM

Sheet Name:

ROOM FINISH SCHEDULE

Sheet No:

A8.00

SCHEDULE - ROOM FINISH

ROOM NO.	ROOM TITLE	FLOOR		WALLS				CASEWORK			REMARKS
		MAT.	BASE	NORTH	EAST	SOUTH	WEST	CABINETRY	COUNTER TOP	TRANS TOP	
100	HALLWAY	CONC-1	RB-1	-	P-1	-	P-1	-	-	-	
101	STAR	-	-	P-1	P-1	P-1	P-1	-	-	-	
102	OFFICE	CONC-1	RB-1	P-1	P-1	P-1	P-1	-	-	-	
103	KITCHENETTE	CONC-1	RB-1	P-1	P-1	P-1	P-1	-	-	-	
104	RR W/ SHOWER	CONC-1	MCB-1	P-2 / CT-1	P-2 / CT-1	P-2 / CT-1	P-2 / CT-1	-	-	-	
105	RR W/ SHOWER	CONC-1	MCB-1	P-2 / CT-1	P-2 / CT-1	P-2 / CT-1	P-2 / CT-1	-	-	-	
106	IT & ELEC.	SC-1	RB-1	P-1	P-1	P-1	P-1	-	-	-	
107	FIRE RISER	SC-1	-	-	P-1	P-1	P-1	-	-	-	
108	APPARATUS BAY	SC-1	-	-	-	-	P-1 / FRP-1	-	-	-	
109	FUTURE BUILDOUT	-	-	-	-	-	-	-	-	-	
201	STORAGE	PLY-1	RB-1	-	-	-	PLY-1	-	-	-	

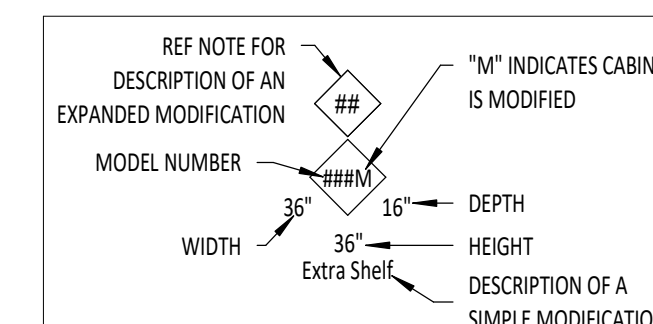
SCHEDULE - FINISH LEGEND

FINISH	PRODUCT DESCRIPTION	COMMENTS
CONC-1	POLISHED CONCRETE FLOOR	
CT-1	PORCELAIN WALL BASE	
FRP-1	FIBER REINFORCED PANELING	
MCB-1	METAL COVE BASE	
P-1	PAINT	
P-2	PAINT	
PLY-1	PLYWOOD	
RB-1	RUBBER WALL BASE	
SC-1	SEALED CONCRETE W/ LIGHT BROOM FINISH	

GENERAL NOTES

1. RE: ROOM FINISH SCHEDULE AND FINISH FLOOR PLANS FOR MATERIAL AND FINISH INFORMATION.
2. RE: BUILDING INFORMATION SHEETS FOR CODE AND FIRE INFORMATION.
3. RE: FLOOR PLANS AND DOOR SCHEDULE FOR DOOR AND FRAME TYPES.
4. PROVIDE R/WB AT ALL TOE SPACES OF ALL CABINETS, SIDES OF CABINETS AND ALL KNEE SPACES BELOW CABINETS. RE: DIVISION 9, SECTION "RESILIENT BASE AND ACCESSORIES".
5. PROVIDE BLOCKING FOR ALL WALL-MOUNTED ACCESSORIES AND EQUIPMENT.

CASEWORK TAG LEGEND



MODEL NUMBER	INDICATES MODEL NUMBER OF AWS CABINET.
M	INDICATES A MODIFIED VERSION OF THE AWS CABINET MODEL REPRESENTED BY THE PRECEDING NUMBER.
MODIFICATION	A DESCRIPTION OF THE MODIFICATION MADE INDICATED BY THE (M) FOLLOWING THE MODEL NUMBER.
WIDTH	INDICATES WIDTH OF CABINET, DIMENSIONED FROM OUTSIDE FACE TO OUTSIDE FACE.
DEPTH	INDICATES DEPTH OF CABINET, DIMENSIONED FROM FACE OF WALL TO FACE OF CABINET EXCLUDING CABINET DOOR WHEN DOOR APPLIES.
HEIGHT	INDICATES HEIGHT OF CABINET, DIMENSIONED FROM FACE OF FINISHED FLOOR TO TOP OF COUNTERTOP FOR BASE CABINETS AND FROM BOTTOM OF CABINET TO TOP OF CABINET FOR UPPER CABINETS.

Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
 Date: 11/25/2022  
 Checked By: TB  
 Drawn By: AM

Sheet Name:  
**INTERIOR ELEVATIONS**

Sheet No:  
**A8.51**

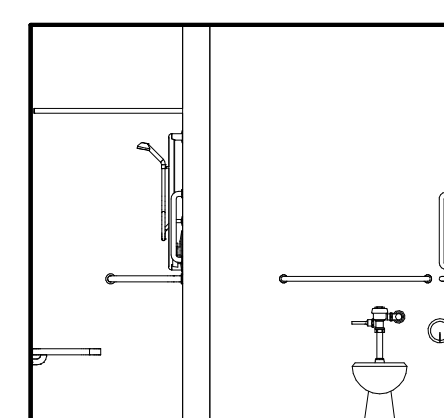
A

B

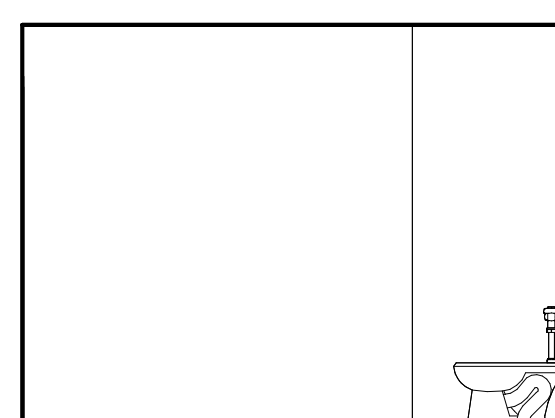
C

D

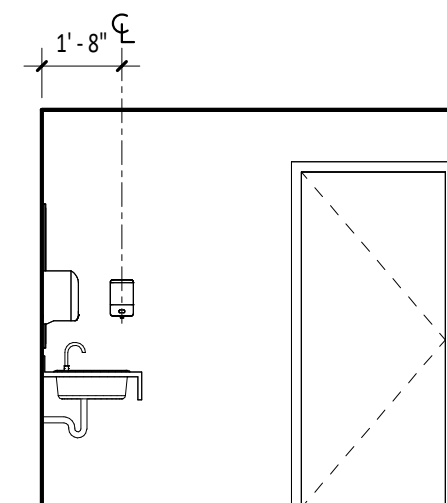
E



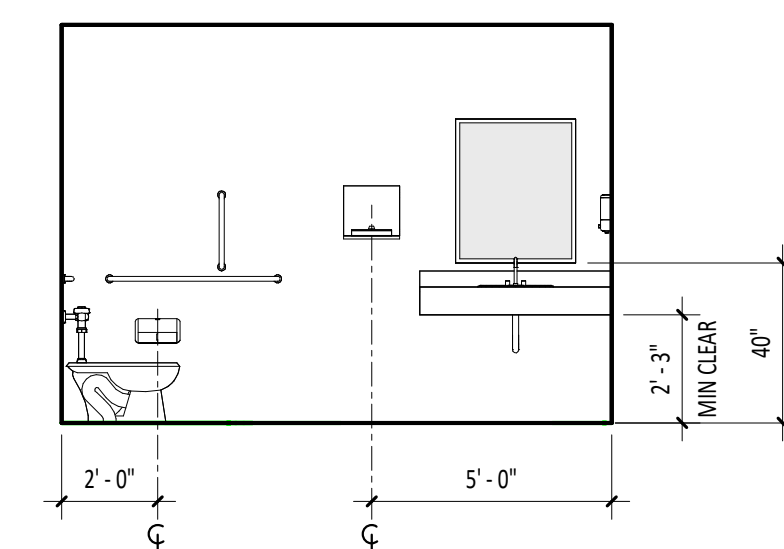
**D3** ADA RR - 106 EAST  
A8.51 1/4" = 1'-0"



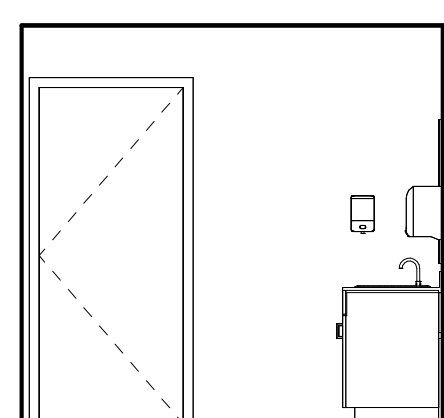
**D4** ADA RR - 106 NORTH  
A8.51 1/4" = 1'-0"



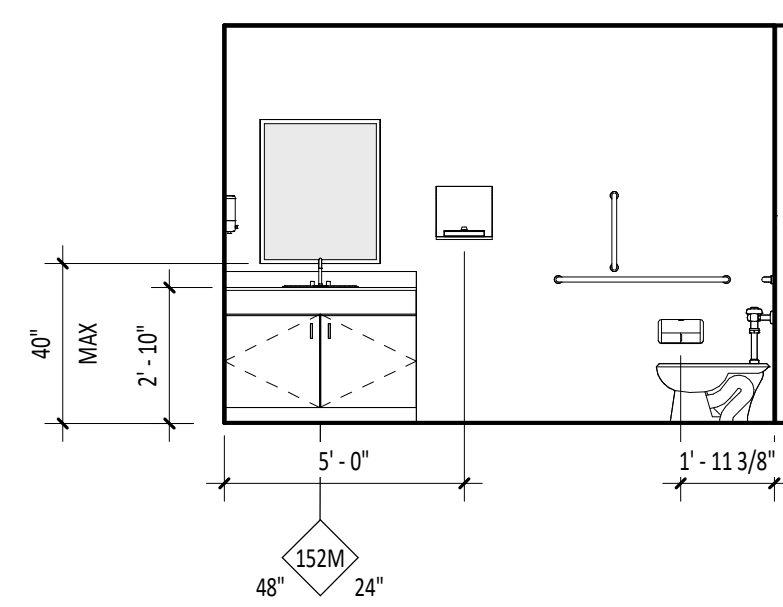
**D5** ADA RR - 106 WEST  
A8.51 1/4" = 1'-0"



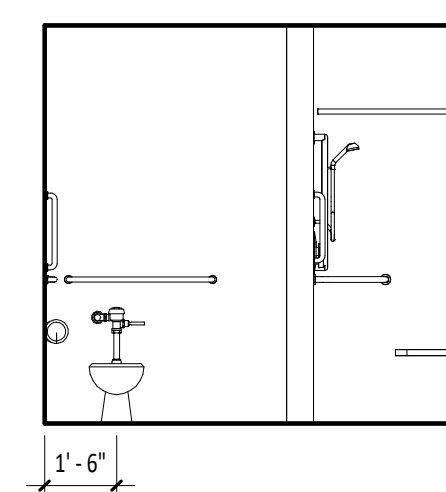
**D6** ADA RR - 106 SOUTH  
A8.51 1/4" = 1'-0"



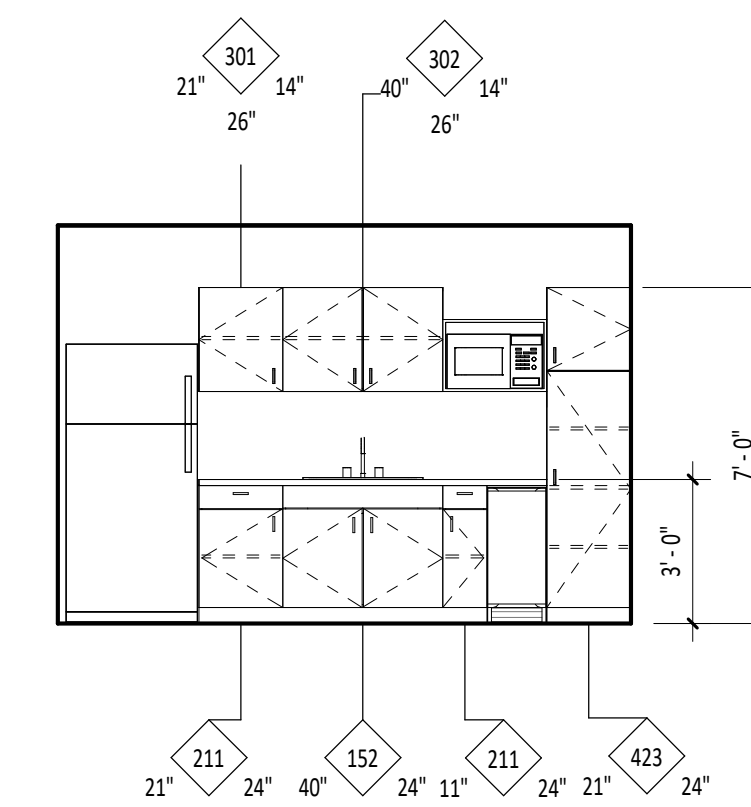
**E3** RR - 105 WEST  
A8.51 1/4" = 1'-0"



**E4** RR - 105 NORTH  
A8.51 1/4" = 1'-0"



**E5** RR - 105 SOUTH  
A8.51 1/4" = 1'-0"



**E6** KITCHENETTE - 104 NORTH  
A8.51 1/4" = 1'-0"

1

2

3

4

5

6

NOTES - REFERENCE NOTES

- 5.04 1-1/2" DIAMETER STEEL HANDRAIL
- 5.05 1-1/2" DIAMETER STEEL RAIL
- 5.06 1-1/2" DIAMETER STEEL POST
- 5.07 1" DIAMETER STEEL RAIL
- 9.04 FIBER REINFORCED PANELING. RE. SHEET A8.00 FINISH SCHEDULES.



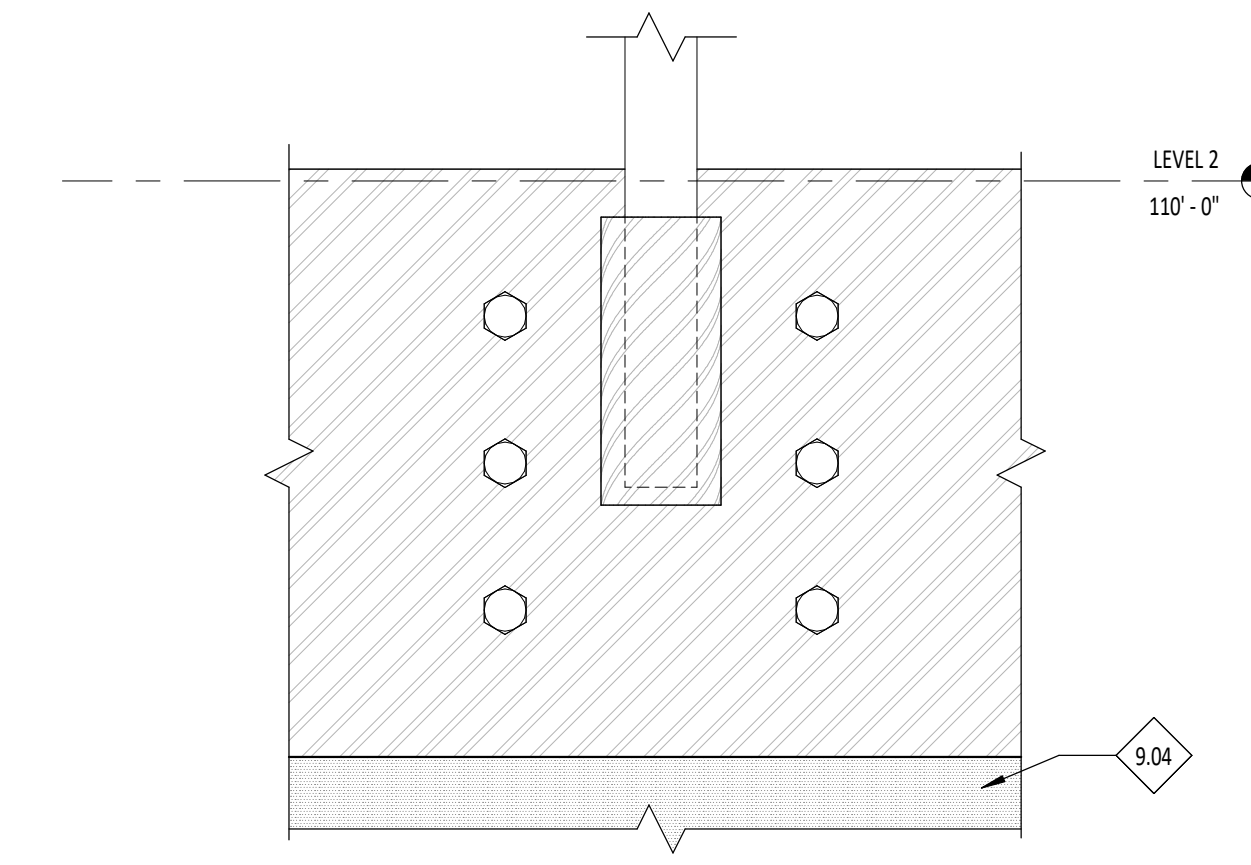
PIVOT NORTH ARCHITECTURE, PLLC.  
1101 W. GROVE STREET  
BOISE, ID 83702  
www.pivnorthdesign.com

STAMP

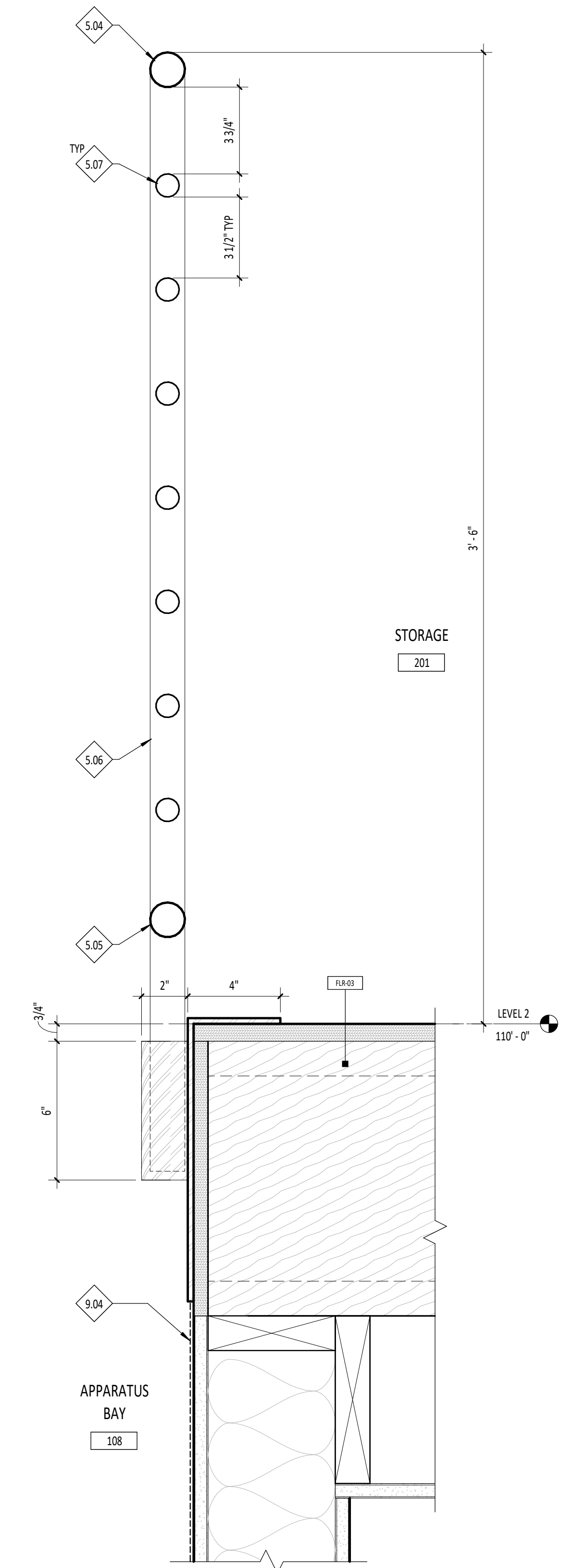


GENERAL NOTES

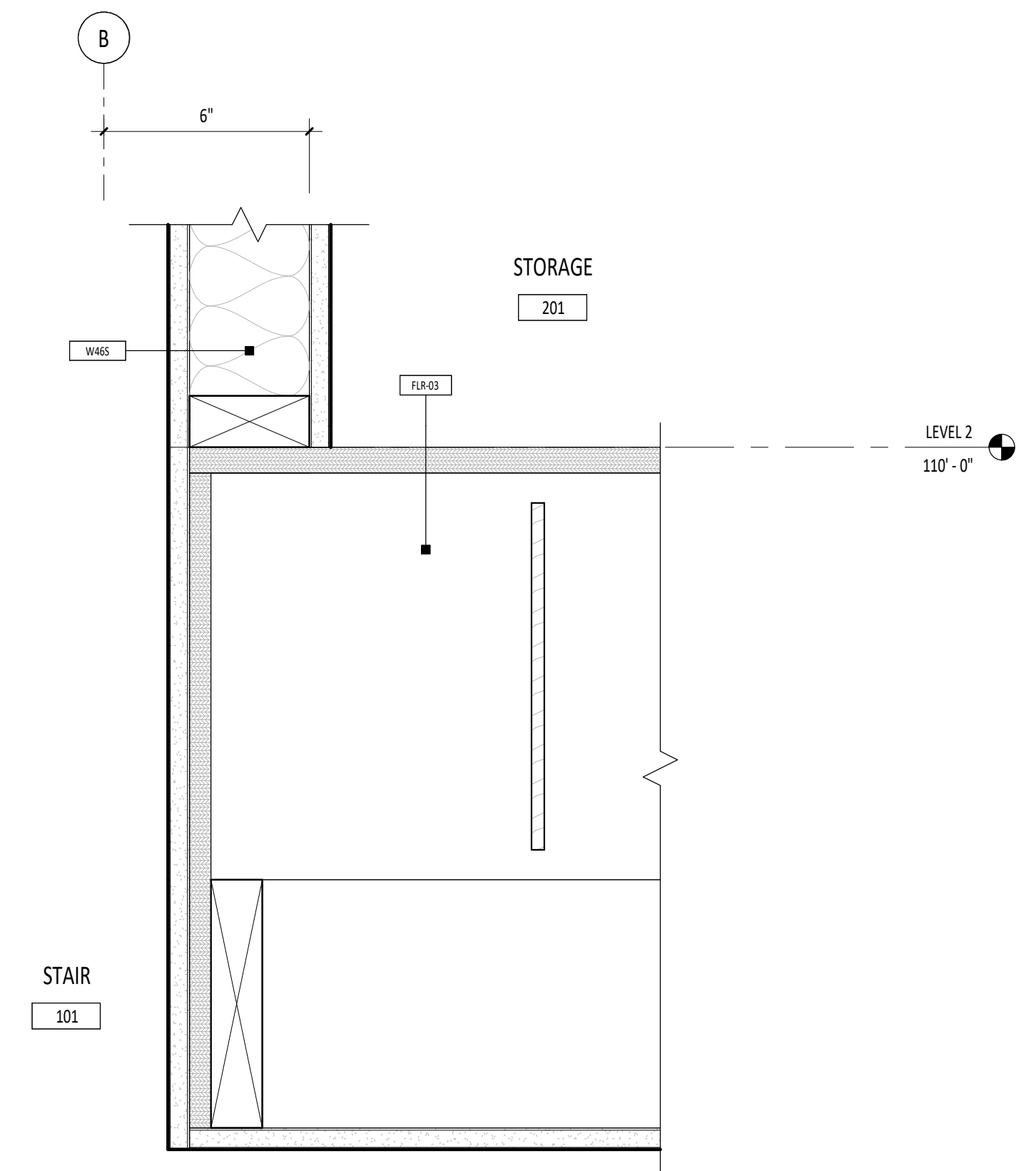
1. RE: ROOM FINISH SCHEDULE AND FINISH FLOOR PLANS FOR MATERIAL AND FINISH INFORMATION.
2. RE: BUILDING INFORMATION SHEETS FOR CODE AND FIRE INFORMATION.
3. RE: FLOOR PLANS AND DOOR SCHEDULE FOR DOOR AND FRAME TYPES.
4. PROVIDE KWB AT ALL TOE SPACES OF ALL CABINETS, SIDES OF CABINETS AND ALL KNEE SPACES BELOW CABINETS. RE: DIVISION 9, SECTION "RESILIENT BASE AND ACCESSORIES".
5. PROVIDE BLOCKING FOR ALL WALL-MOUNTED ACCESSORIES AND EQUIPMENT.



**B5** REMOVABLE RAIL DETAIL ELEVATION  
A8.91 3" = 1'-0"



**E5** REMOVABLE RAIL DETAIL  
A8.91 3" = 1'-0"



**E4** STAIR CEILING TO MEZZANINE WALL DETAIL  
A8.91 3" = 1'-0"

DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
Date: 11/25/2022  
Checked By: TB  
Drawn By: TB/AM

Sheet Name:  
**INTERIOR DETAILS**

Sheet No:  
**A8.91**

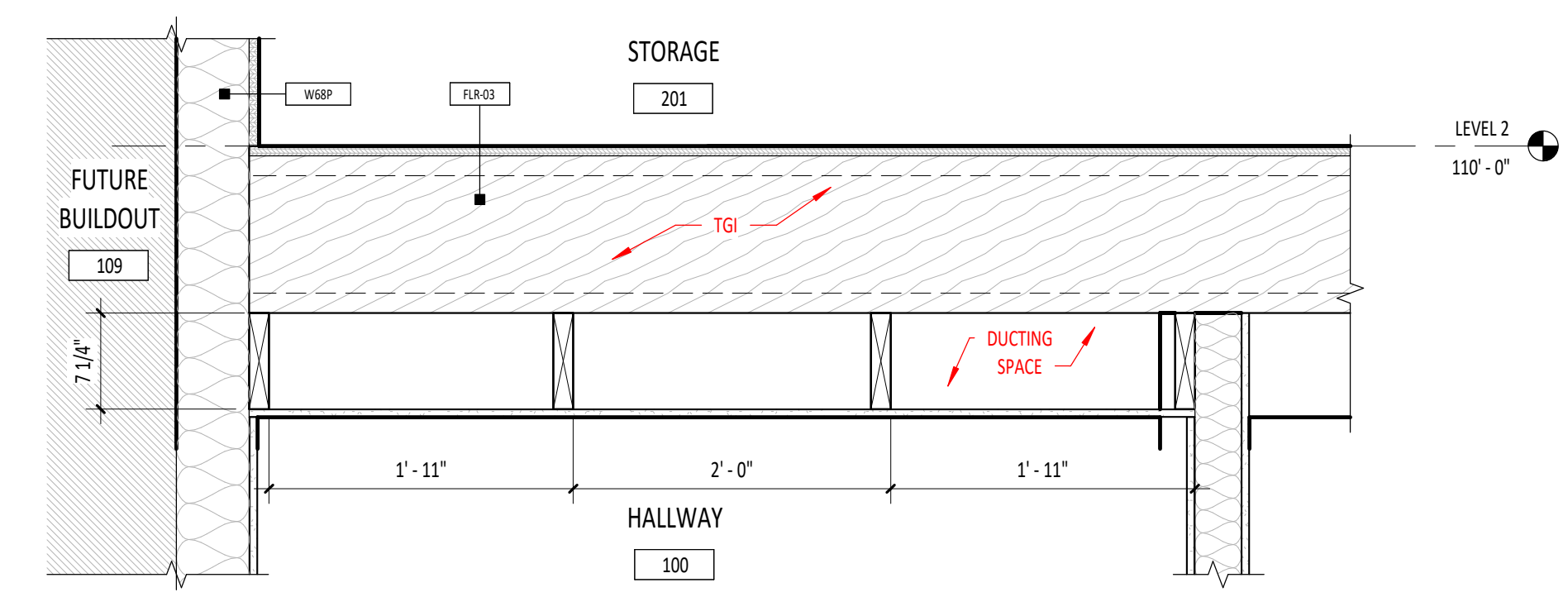
STAMP

GENERAL NOTES

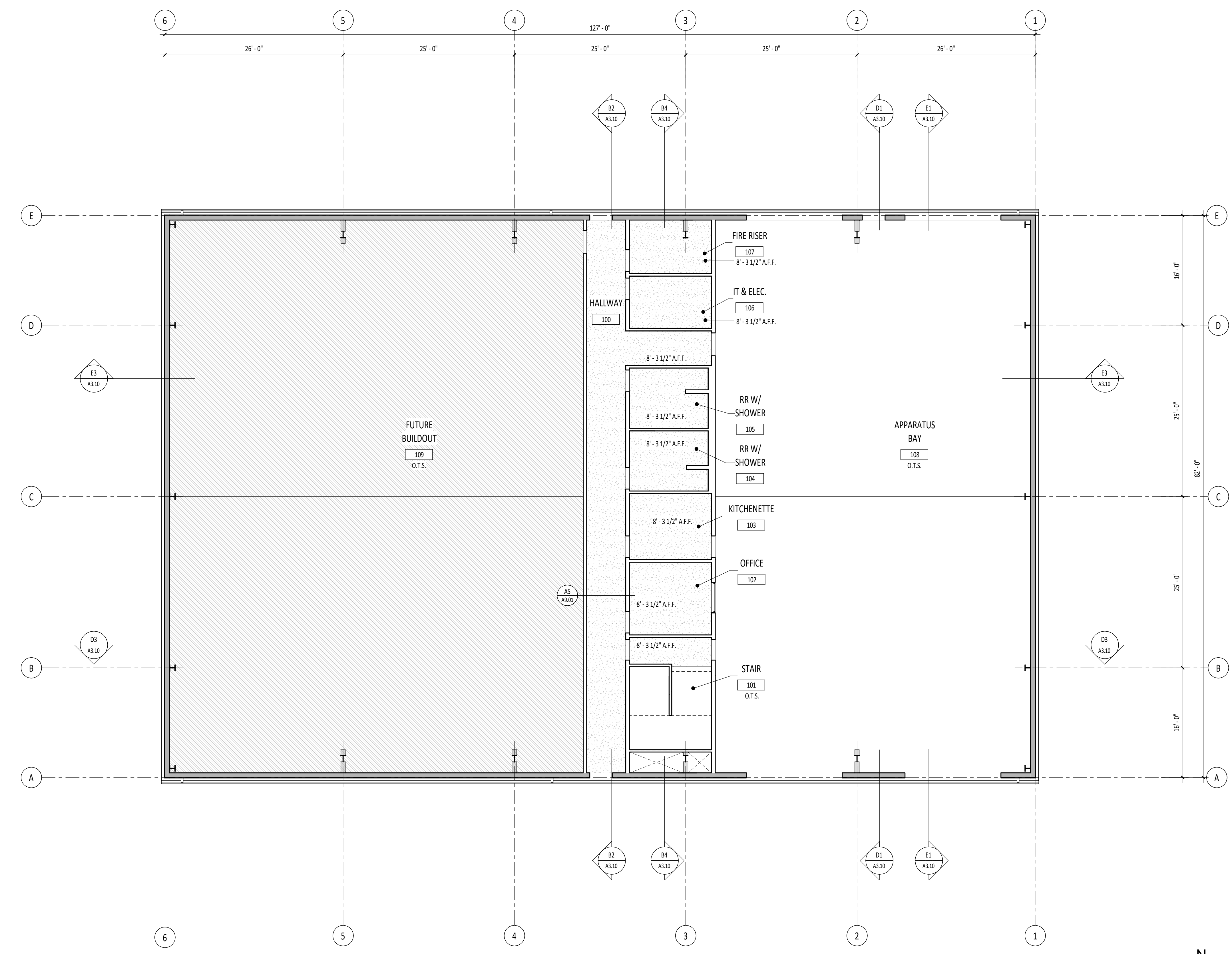
- COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL ITEMS TO BE PROVIDED AT THE CEILING PLANE AND IN THE WORK.
- CENTER ALL LIGHT FIXTURES AND SPRINKLER HEADS IN THEIR RESPECTIVE CEILING PANEL.
- ALL SOFFIT DIMENSIONS SHOWN ARE TO FACE OF FINISH.
- COORDINATE WITH MECHANICAL & ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR PHYSICAL SIZES OF ALL CEILING GRILLES, DIFFUSERS, FIXTURES, CANS, AND ALL RELATED ITEMS.

LEGEND

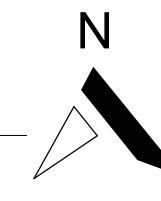
- GYPSUM BOARD CEILING ON STEEL FRAMING AND SUPPORT SYSTEM. PAINT - P-4, U.O.N. RE: DIVISION 09 IN THE SPECIFICATIONS.
- OPEN TO STRUCTURE
- PHASE II - TI
- VERTICAL SERVICE DROP/CHASE. COORDINATE WITH MECHANICAL DRAWINGS.
- LIGHTING FIXTURES. COORDINATE WITH ELECTRICAL DRAWINGS.
- MECHANICAL FIXTURES. COORDINATE WITH MECHANICAL DRAWINGS.
- X' - X" A.F.F. CEILING HEIGHT ABOVE FINISH FLOOR



**A5** TYP. CEILING DETAIL @ HALLWAY 100  
A9.01 1" = 1'-0"



**E2** COMPOSITE CEILING PLAN - LEVEL 1  
A9.01 1/8" = 1'-0"



DESIGN DEVELOPMENT - 11.25.2022 (NOT FOR CONSTRUCTION)

Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
Date: 11/25/2022  
Checked By: TB  
Drawn By: TB/AM

Sheet Name:  
**COMPOSITE CEILING PLAN - LEVEL 1 & CEILING DETAILS**

Sheet No:  
**A9.01**



GENERAL STRUCTURAL NOTES

CAST-IN-PLACE CONCRETE:

GENERAL:

- 1. COMPLY WITH THE PROVISIONS OF ACI 301 AND ACI 117, EXCEPT AS MODIFIED BY THESE CONTRACT DOCUMENTS.
2. MANUFACTURER QUALIFICATIONS: CERTIFIED ACCORDING TO NRMCA'S "CERTIFICATION OF READY MIXED CONCRETE PRODUCTION FACILITIES."

PRODUCTS:

- 1. CONCRETE MIXTURES: PREPARE DESIGN MIXTURES FOR EACH TYPE AND STRENGTH OF CONCRETE, PROPORTIONED ON THE BASIS OF LABORATORY TRIAL MIXTURES OR FIELD TEST DATA OR BOTH, ACCORDING TO ACI 301.

Table with 6 columns: LOCATIONS IN STRUCTURE, DESIGN STRENGTH, MAX UNIT WEIGHT, MAX W/C RATIO, TARGET AIR CONTENT, EXPOSURE CATEGORIES. Rows include FOOTINGS AND FOUNDATION WALLS, SLAB ON GRADE, NORMAL WEIGHT CONCRETE DECK, LIGHTWEIGHT CONCRETE FILL OVER DECK, CURBS, PADS, TOPPING SLABS, ETC., WALLS AND BUILDING FRAME MEMBERS.

EXECUTION:

- 1. OPENINGS, POCKETS, ETC., LARGER THAN 6" SHALL NOT BE PLACED IN CONCRETE SLABS, DECKS, OR WALLS UNLESS SPECIALLY DETAILED ON THE STRUCTURAL DRAWINGS.
2. PIPES AND CONDUITS EMBEDDED IN CONCRETE:
A. PIPES LARGER THAN 1-1/2" DIAMETER SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED BY ARCHITECT.
B. PIPES SHALL NOT DISPLACE OR INTERRUPT REINFORCING BARS.
C. DO NOT STACK CONDUITS. SPACE EMBEDDED PIPES AND CONDUITS AT A MINIMUM OF AT A MINIMUM OF 3 DIAMETERS CLEAR FROM OTHER EMBEDDED PIPES/CONDUITS AND 1 1/2" CLEAR FROM REINFORCING BARS.
D. NO CONDUITS SHALL BE PLACED IN CONCRETE FILL OVER METAL DECK.
3. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT REINFORCING WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED WITHOUT ARCHITECT REVIEW AND APPROVAL.
4. SCREED CONCRETE FILL OVER STEEL DECK TO A CONSTANT THICKNESS AS SPECIFIED IN THE DECKING SCHEDULE. DO NOT EXCEED THE SPECIFIED DECK THICKNESS BY MORE THAN 1/2".
5. ALL CONCRETE SURFACES AGAINST WHICH NEW CONCRETE IS TO BE PLACED SHALL BE CLEANED AND ROUGHENED TO 1/4" AMPLITUDE.

REINFORCING STEEL:

GENERAL:

- 1. DETAIL, FABRICATE, AND INSTALL REINFORCING IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 301, ACI 117, AND THE "CRSI MANUAL OF STANDARD PRACTICE."

PRODUCTS:

- 1. REINFORCING STEEL: ASTM A615, GRADE 60, DEFORMED
2. WELDED WIRE REINFORCEMENT (WWR): ASTM A1064

EXECUTION:

- 1. PROVIDE THE MINIMUM CONCRETE COVER FOR REINFORCEMENT IN CAST-IN-PLACE CONCRETE (NON-PRESTRESSED) AS INDICATED IN THE TABLE BELOW

Table: MINIMUM CONCRETE CLEAR COVER. Columns: LOCATION, BAR SIZE, CLEAR COVER. Rows: CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH, CONCRETE EXPOSED TO EARTH OR WEATHER, SLABS, WALLS, OR JOISTS NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND, BEAM AND COLUMN TIES & STIRRUPS NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND.

CONCRETE MASONRY UNIT:

GENERAL:

- 1. FURNISH AND INSTALL MASONRY MATERIALS IN CONFORMANCE WITH THE REQUIREMENTS OF TMS 602/ACI 530.1/ASCE 6, "SPECIFICATION FOR MASONRY STRUCTURES"

PRODUCTS:

- 1. PERFORMANCE REQUIREMENTS:
A. PROVIDE STRUCTURAL UNIT MASONRY THAT DEVELOPS SPECIFIED NET-AREA COMPRESSIVE STRENGTH OF MASONRY, fm AT 28 DAYS.
a. MINIMUM fm: 2,000 psi
B. VERIFY NET-AREA COMPRESSIVE STRENGTH OF MASONRY USING ONE OF THE FOLLOWING METHODS:
a. PRISM TESTING: DETERMINE NET-AREA COMPRESSIVE STRENGTH OF MASONRY BY TESTING MASONRY PRISMS ACCORDING TO ASTM C1314.
b. UNIT STRENGTH METHOD: DETERMINE NET-AREA COMPRESSIVE STRENGTH OF MASONRY FROM AVERAGE NET-AREA COMPRESSIVE STRENGTHS OF MASONRY UNITS AND MORTAR TYPE ACCORDING TO TMS 602/ACI 530.1/ASCE 6 AS FOLLOWS:

Table: CMU COMPRESSIVE STRENGTH VERIFICATION (UNIT STRENGTH METHOD). Columns: SPECIFIED MASONRY NET-AREA COMPRESSIVE STRENGTH, Fm; CMU NET-AREA COMPRESSIVE STRENGTH; GROUT STRENGTH; MORTAR TYPE. Rows: 2,000 PSI, 2,500 PSI, 3,000 PSI.

- 2. REINFORCING BARS: SEE NOTES UNDER "REINFORCING STEEL" FOR REQUIREMENTS.

EXECUTION:

- 1. GROUTING:
A. GROUT CELLS AS INDICATED.
B. USE OF HIGH-LIFT GROUT CONSTRUCTION IS SUBJECT TO APPROVAL BY THE ARCHITECT. HIGH-LIFT GROUTING SHALL CONFORM TO THE REQUIREMENTS IN TMS 602/ACI 530.1/ASCE 6.
2. EMBEDDED ITEMS IN CMU: DO NOT EMBED PIPES IN CMU EXCEPT WHERE SPECIFICALLY DETAILED. VERTICAL CONDUITS MAY BE EMBEDDED IF THE FOLLOWING CONDITIONS ARE MET:
A. CONDUITS ARE < 3/4" IN DIAMETER.
B. CONDUITS ARE NOT PLACED IN A CELL WITH REINFORCEMENT.
C. CONDUITS ARE A MINIMUM OF 24" FROM JAMB/END REINFORCEMENT.
D. CELLS WITH CONDUITS ARE SPACED 32" OC MIN.
E. (2) MAX PER UNREINFORCED CELL, 3 DIAMETERS (MIN) O.C.

FOUNDATION:

GEOTECHNICAL INVESTIGATION:

- 1. GEOTECHNICAL INFORMATION AND FOUNDATION DESIGN IS BASED ON THE FOLLOWING GEOTECHNICAL REPORTS AND SUPPLEMENTS/ADDENDUMS. COPIES OF THE REPORTS SHALL BE AVAILABLE AT THE JOBSITE AT ALL TIMES.

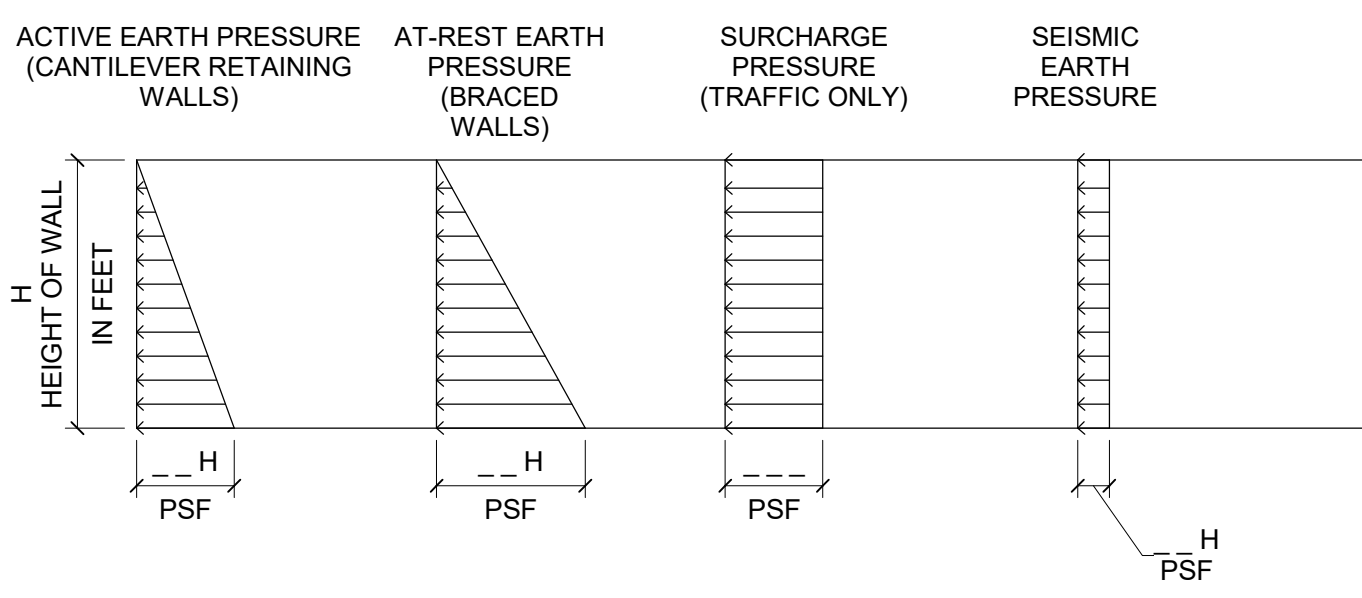
Table with 3 columns: REPORT/ADDENDUM TITLE, PREPARED BY, DATE.

GEOTECHNICAL DESIGN CRITERIA:

- 1. SPREAD OR CONTINUOUS FOOTINGS:

Table with 5 columns: ANTICIPATED BEARING MATERIAL, ALLOWABLE BEARING CAPACITY, MINIMUM FROST DEPTH, ALLOWABLE LATERAL RESISTANCE (PASSIVE RESISTANCE, COEFFICIENT OF FRICTION), SUBGRADE MODULUS.

- 2. LATERAL EARTH PRESSURE:



FOUNDATION REQUIREMENTS:

- 1. STRUCTURAL FILL: COMPACT ALL SOIL BELOW FOUNDATIONS AND SLABS-ON-GRADE TO MINIMUM 95% OF OPTIMUM DRY DENSITY PER ASTM D1557.
2. FROST PROTECTION: AT EXTERIOR FOOTINGS, PROVIDE MINIMUM FROST DEPTH INDICATED IN SCHEDULE FROM LOWEST ADJACENT GRADE TO BOTTOM OF FOOTING. VERIFY THAT FOOTING ELEVATIONS AND FINAL GRADES INDICATED WILL PROVIDED THIS MINIMUM DEPTH. NOTIFY ARCHITECT OF ANY LOCATIONS THAT MAY NOT ACHIEVE THIS MINIMUM FROST DEPTH.
3. PROVIDE DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER AND/OR SEEPAGE.
4. EXCAVATION FOR FOOTINGS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE AND REINFORCING.
5. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE CONCRETE OR GROUT HAS ATTAINED FULL DESIGN STRENGTH. BRACE OR PROTECT ALL BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED FULL DESIGN STRENGTH.
6. REMOVE ALL ABANDONED FOOTINGS, UTILITIES, ETC. NEW FOOTINGS MUST EXTEND INTO UNDISTURBED SOILS.
7. THE DESIGN GROUNDWATER ELEVATION IS \_\_\_ FEET BELOW EXISTING GRADE PER THE GEOTECHNICAL INVESTIGATION REPORT.

DESIGN CRITERIA:

FLOOR LIVE LOADS:

- SEE SHEETS \_\_\_\_\_ FOR FLOOR LIVE LOAD MAPS.
OFFICES: 50 PSF (REDUCIBLE)
STORAGE ROOMS: 125 PSF (NO REDUCTION)
EQUIPMENT ROOMS: 150 PSF (NO REDUCTION)
ASSEMBLY AREAS: 100 PSF (NO REDUCTION)

ROOF LIVE LOADS:

- SEE SHEETS \_\_\_\_\_ FOR ROOF LIVE LOAD MAPS.
ROOF OR 20 PSF (REDUCIBLE)

ROOF SNOW LOADS: (SECTION 1603.1.3 OF THE CODE):

- GROUND SNOW LOAD: Ps = \_\_\_ PSF
FLAT ROOF SNOW LOAD: Pfl = \_\_\_ PSF
MINIMUM SNOW LOAD: Pm = \_\_\_ PSF
SNOW EXPOSURE FACTOR: Ce = 1.0
SNOW LOAD IMPORTANCE FACTOR: Is = 1.0
SLOPE FACTOR: Cs = 1.0
THERMAL FACTOR: Ct = 1.0

RAIN LOADS:

- RAIN INTENSITY: I = 1.0 in/hr

WIND DESIGN DATA:

- WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609 OF THE CODE.
RISK CATEGORY:
BASIC WIND SPEED: V = \_\_\_ MPH (3-SECOND GUST)
WIND EXPOSURE:
INTERNAL PRESSURE COEFFICIENT: GCp = ± 0.18

Table: COMPONENTS & CLADDING WIND PRESSURES (PSF). Columns: LOCATION, COMPONENT TRIBUTARY AREA (SQ FT) [10, 100, 500]. Rows: ROOF (ZONE 1, 2, 3), WALLS (ZONE 4, 5), PARAPETS (ZONE 4, 5).

EARTHQUAKE DESIGN DATA:

Table: SITE AND OCCUPANCY PARAMETERS. Rows: SEISMIC IMPORTANCE FACTOR, RISK CATEGORY, MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS, SITE CLASS, DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS, SEISMIC DESIGN CATEGORY.

Table: BUILDING PARAMETERS. Rows: SEISMIC FORCE RESISTING SYSTEM, SEISMIC RESPONSE COEFFICIENTS, RESPONSE MODIFICATION FACTOR, SYSTEM OVERSTRENGTH FACTOR, DEFLECTION AMPLIFICATION FACTOR, ANALYSIS PROCEDURE USED, INELASTIC STORY DRIFT, DESIGN BASE SHEAR.

GENERAL:

STRUCTURAL DRAWINGS:

- 1. STRUCTURAL DRAWINGS ARE A PORTION OF THE CONTRACT DOCUMENTS AND ARE INTENDED TO BE USED WITH OTHER DRAWINGS, SPECIFICATIONS, AND DOCUMENTS ENUMERATED IN THE OWNER/CONTRACTOR AGREEMENT.
2. REVIEW AND COORDINATE THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCY IDENTIFIED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
3. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.

CODE REQUIREMENTS AND REFERENCED STANDARDS:

- 1. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES:
2018 INTERNATIONAL BUILDING CODE (IBC) AND LATEST REVISIONS REFERRED TO HERE AS "THE CODE", AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK AND THOSE CODES & STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
2. ASTM SPECIFICATIONS AND REFERENCED STANDARDS ON THE DRAWINGS SHALL BE THE VERSION REFERENCED IN CHAPTER 35 OF THE CODE OR AS REFERENCED IN THE APPLICABLE DESIGN STANDARD.

EXISTING CONDITIONS:

- 1. VERIFY EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS PRIOR TO STARTING CONSTRUCTION. NOTIFY THE ARCHITECT ANY DISCREPANCIES OR INCONSISTENCIES.
2. INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, NOTIFY THE ARCHITECT IMMEDIATELY.

TEMPORARY CONDITIONS:

- 1. THE CONTRACT DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION, INCLUDING BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER DO NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
2. THE CONTRACT STRUCTURAL DRAWINGS SHOW THE BUILDING IN ITS FINAL INTENDED POSITION. MAKE PROVISIONS IN THE CONSTRUCTION SEQUENCING OF THE BUILDING TO TAKE INTO ACCOUNTS SHRINKAGE, CREEP, SHORTENING, THERMAL EXPANSION, ETC.
3. SPREAD OUT CONSTRUCTION MATERIALS IF PLACED ON FRAMED ROOF OR FLOOR. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.

DEFERRED SUBMITTALS:

- 1. PER IBC SECTION 107.3.4.1, DRAWINGS AND CALCULATIONS FOR THE DESIGN AND FABRICATION OF ITEMS THAT ARE DESIGNED BY OTHERS SHALL BEAR THE SEAL AND SIGNATURE OF THE STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN AND SHALL BE SUBMITTED TO THE ARCHITECT AND THE BUILDING DEPARTMENT FOR REVIEW PRIOR TO FABRICATION. DEFERRED SUBMITTALS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
• STEEL JOISTS AND GIRDERS
• METAL STAIRS, LADDERS, AND RAILINGS
• PRE-ENGINEERED WOOD TRUSSES
• CONTINUOUS ROD TIEDOWN SYSTEM
• EXTERIOR COLD FORMED METAL FRAMING
• CURTAIN WALL, WINDOW WALL, AND OTHER GLAZING SYSTEMS
• MEP EQUIPMENT ANCHORAGE AND SEISMIC BRACING

OTHER DRAWINGS:

- 1. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
A. SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS, EXCEPT AS NOTED
B. SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NON-BEARING PARTITIONS UNLESS NOTED AND/OR DETAILED ON THE STRUCTURAL DRAWINGS
C. SIZE AND LOCATION OF ALL CONCRETE CURBS, EQUIPMENT PADS, PITS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC
D. SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS EXCEPT AS SHOWN
E. FLOOR AND ROOF FINISHES
F. MISCELLANEOUS DRAINAGE AND WATERPROOFING
G. ALL FIREPROOFING REQUIREMENTS INCLUDING FIREPROOFING OF STRUCTURAL STEEL
H. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS
2. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
A. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN OR NC
B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
C. CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES.
D. SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES, ANCHOR BOLTS FOR MOTOR MOUNTS.

TESTING, INSPECTIONS, AND OBSERVATIONS

STRUCTURAL OBSERVATIONS:

- 1. KPFF WILL PERFORM STRUCTURAL OBSERVATION BASED ON THE REQUIREMENTS OF CHAPTER 17 OF THE CC THE STAGES OF CONSTRUCTION LISTED BELOW. CONTRACTOR SHALL NOTIFY ARCHITECT AND PROVIDE ACI FOR KPFF TO PERFORM THESE OBSERVATIONS.
2. KPFF WILL ISSUE AN OBSERVATION REPORT TO ARCHITECT FOR DISTRIBUTION TO THE OWNER AND CONTRA OBSERVATION REPORT WILL IDENTIFY WORK OBSERVED AND ANY WORK NOT IN CONFORMANCE WITH CONT DOCUMENTS.
3. STRUCTURAL OBSERVATION IS TO VERIFY GENERAL CONFORMANCE WITH THE STRUCTURAL DRAWINGS. STRUCTURAL OBSERVATIONS DO NOT REPLACE THE NEED FOR SPECIAL INSPECTION AS REQUIRED BY CHAP OF THE CODE.

Table: STRUCTURAL OBSERVATIONS. Columns: ITEM, TIMING/FREQUENCY OF OBSERVATION. Rows: A. FOUNDATIONS, B. CONCRETE WALLS, C. MASONRY SHEARWALLS, D. STEEL FRAME, E. LATERAL FORCE RESISTING SYSTEM, F. CONCRETE DIAPHRAGMS, G. STEEL DECK DIAPHRAGMS.

SPECIAL INSPECTION AND TESTING:

- 1. SPECIAL INSPECTION WILL BE PROVIDED BY A THIRD-PARTY TESTING AGENCY, RETAINED BY THE OWNER TO VERIFY COMPLIANCE WITH ITEMS SUMMERIZED IN THE STATEMENT OF SPECIAL INSPECTION.
2. CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE AND ACCESS FOR THE SPECIAL INSPECTOR TO PERFORM THESE INSPECTIONS.



PIVOT NORTH ARCHITECTURE, PLLC. 1101 W. GROVE STREET BOISE, ID 83702 www.pivornorthdesign.com

STAMP



Project: TWIN FALLS FIRE TRAINING CENTER

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 1021200013
Date: 11/23/2022
Checked By:
Drawn By:
Sheet Name:

GENERAL NOTES

Sheet No:

S1.01

GENERAL STRUCTURAL NOTES

A

B

C

D

E

ROUGH CARPENTRY:

GENERAL:

- 1. COMPLY WITH THE REQUIREMENTS IN CHAPTER 23 OF THE CODE AND AF&PA'S WCD 1, "DETAILS FOR CONVENTIONAL WOOD FRAME CONSTRUCTION," UNLESS OTHERWISE INDICATED

PRODUCTS:

- 2. DIMENSIONAL LUMBER FRAMING:
  - A. SPECIES, GRADE, AND MOISTURE CONTENT NOTED BELOW:

DIMENSIONAL LUMBER			
USE	SPECIES	GRADE	MOISTURE CONTENT
LUMBER 2" TO 4" THICK x 5" OR WIDER (JOISTS/RAFTERS)	DOUGLAS FIR-LARCH	#2 & BETTER	KD (15%)
LUMBER 2" TO 3" THICK x 4" TO 6" WIDE (STUDS)	DOUGLAS FIR-LARCH	#2 & BETTER	KD (15%)
LUMBER 5x5 AND GREATER (BEAMS)	DOUGLAS FIR-LARCH	#1	S-DRY (19%)
LUMBER 5x5 AND GREATER (POSTS)	DOUGLAS FIR-LARCH	#1	S-DRY (19%)

- 3. FIRE-RETARDANT-TREATED MATERIALS

- A. APPLICATION: TREAT ALL LUMBER IN 3 HOUR FIRE RATED WALLS AND EXTERIOR WALLS IN TYPE III CONSTRUCTION. SEE ARCHITECTURAL DRAWINGS FOR FIRE RATED WALL LOCATIONS AND DETAILS.

- 4. ENGINEERED WOOD PRODUCTS:

- A. STRUCTURAL COMPOSITE LUMBER MADE FROM WOOD VENEERS WITH GRAIN PRIMARILY PARALLEL TO MEMBER LENGTHS, EVALUATED AND MONITORED ACCORDING TO ASTM D 5456 AND MANUFACTURED WITH AN EXTERIOR-TYPE ADHESIVE COMPLYING WITH ASTM D 2559. PROVIDE PRODUCTS THAT CONFORM TO THE FOLLOWING MINIMUM DESIGN STRESS:

STRUCTURAL COMPOSITE LUMBER			
PRODUCT TYPE & USE	FLEXURAL STRESS, F <sub>b</sub>	SHEAR STRESS, F <sub>v</sub>	MODULUS OF ELASTICITY
LAMINATED VENEER LUMBER (LVL)	2,600 psi	285 psi	2.0 x 10 <sup>6</sup> psi
PARALLEL STRAND LUMBER (PSL)			
BEAM	2,900 psi	290 psi	2.0 x 10 <sup>6</sup> psi
COLUMN	2,400 psi	190 psi	1.8 x 10 <sup>6</sup> psi
LAMINATED STRAND LUMBER (LSL)			
BEAM	2,325 psi	310 psi	1.55 x 10 <sup>6</sup> psi
COLUMN	1,700 psi	425 psi	1.3 x 10 <sup>6</sup> psi

- 5. FASTENERS:

- A. WHERE ROUGH CARPENTRY IS EXPOSED TO WEATHER, IN GROUND CONTACT, PRESERVATIVE TREATED, FIRE RETARDANT TREATED, OR IN AREA OF HIGH RELATIVE HUMIDITY, PROVIDE FASTENERS WITH HOT-DIP ZINC COATING COMPLYING WITH ASTM A 153.

- B. NAILS: ASTM F1667, COMMON TYPE.

- 6. WOOD CONNECTORS:

- A. PROVIDED BASIS OF DESIGN HANGERS, STRAPS, TIES, HOLD DOWNS, ETC, AS INDICATED ON THE DRAWINGS.
- B. WHERE CONNECTORS ARE IN EXPOSED, EXTERIOR APPLICATIONS OR IN CONTACT WITH PRESERVATIVE TREATED LUMBER, PROVIDE HOT-DIP GALVANIZED OR STAINLESS STEEL CONNECTORS.

EXECUTION:

- 1. WHERE POSTS OR MULTIPLE STUDS UNDER BEAMS OR HEADERS ARE CALLED FOR ON DRAWINGS THOSE POSTS OR MULTIPLE STUDS SHALL BE CARRIED TO THE FOUNDATION/PODIUM LEVEL U.N.O.
- 2. JOIST BLOCKING AND BRIDGING:
  - A. PROVIDE FULL DEPTH SOLID BLOCKING BETWEEN JOISTS OVER SUPPORT AND BELOW PARTITION WALLS.
  - B. PROVIDE FULL DEPTH BRIDGING AT 8'-0" O.C. MAX, NOT MORE THAN 8'-0" FROM SUPPORT.
- 3. PROVIDE DOUBLE JOISTS UNDER NON-BEARING WALLS RUNNING PARALLEL TO JOISTS.
- 4. PROVIDE REQUIRED FIRE STOPPING, BACKING FOR INTERIOR FINISHES, NONBEARING WALLS, AND OTHER NON-STRUCTURAL FRAMING THAT ARE NOT SHOWN ON STRUCTURAL DRAWINGS.
- 5. SECURELY ATTACH ROUGH CARPENTRY WORK TO SUBSTRATE BY ANCHORING AND FASTENING AS INDICATED, COMPLYING WITH TABLE 2304.10.1 OF THE CODE AND THE ICC-ES REPORT FOR THE FASTENER.
- 6. INSTALL WOOD CONNECTORS PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND THE ICC-ES REPORT.

SHEATHING:

GENERAL:

- 1. SHEATHING MATERIAL: STAMPED WITH APA TRADEMARK

PRODUCTS:

- 1. APA RATED SHEATHING
  - A. PLYWOOD SHEATHING: EITHER DOC PS1 OR DOC PS2, EXTERIOR STRUCTURAL 1 SHEATHING WITH SPAN RATING AN THICKNESS AS INDICATED BELOW
  - B. ORIENTED STRAND BOARD (OSB) SHEATHING: DOC PS2, EXPOSURE 1, STRUCTURAL 1 SHEATHING WITH SPAN RATING AND THICKNESS INDICATED BELOW

SHEATHING SCHEDULE			
ELEMENT	EDGE CONFIGURATION	SPAN RATING	NOMINAL THICKNESS
ROOF SHEATHING	SQUARE	24/16	15/32"
FLOOR SHEATHING	T & G	32/16	23/32"
WALL SHEATHING	SQUARE	16/0	7/16"

EXECUTION:

- 1. ROOF SHEATHING: INSTALL WITH FACE GRAIN OR STRENGTH AXIS PERPENDICULAR TO SUPPORTS. STAGGER END JOINTS. NAIL SHEATHING TO FRAMING AS INDICATED
- 2. FLOOR SHEATHING: INSTALL WITH FACE GRAIN OR STRENGTH AXIS PERPENDICULAR TO SUPPORTS. STAGGER END JOINTS. GLUE AND NAIL SHEATHING TO FRAMING AS INDICATED
- 3. WALL SHEATHING: INSTALL SHEATHING VERTICALLY TO THE WALL. NAIL SHEATHING TO WALL FRAMING AS INDICATED.
- 4. NAILING PATTERN
  - A. SEE SHEAR WALL AND DIAPHRAGM NAILING SCHEDULES FOR BLOCKING AND NAILING REQUIREMENTS AT SHEAR WALLS AND DIAPHRAGMS.
  - B. 10d AT 6" o.c. AT ALL SUPPORTED EDGES AND OVER SHEAR WALLS AND 10d AT 12" o.c. AT ALL INTERMEDIATE SUPPORTS, U.N.O. SEE PLANS.



PIVOT NORTH ARCHITECTURE, PLLC.  
1101 W. GROVE STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



412 E. Platercenter Blvd.  
Boise, ID 83705  
208.336.6985  
www.kpff.com



Project:  
TWIN FALLS FIRE TRAINING CENTER

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 10212/00013  
Date: 11/23/2022  
Checked By: Checker  
Drawn By: Author

Sheet Name:

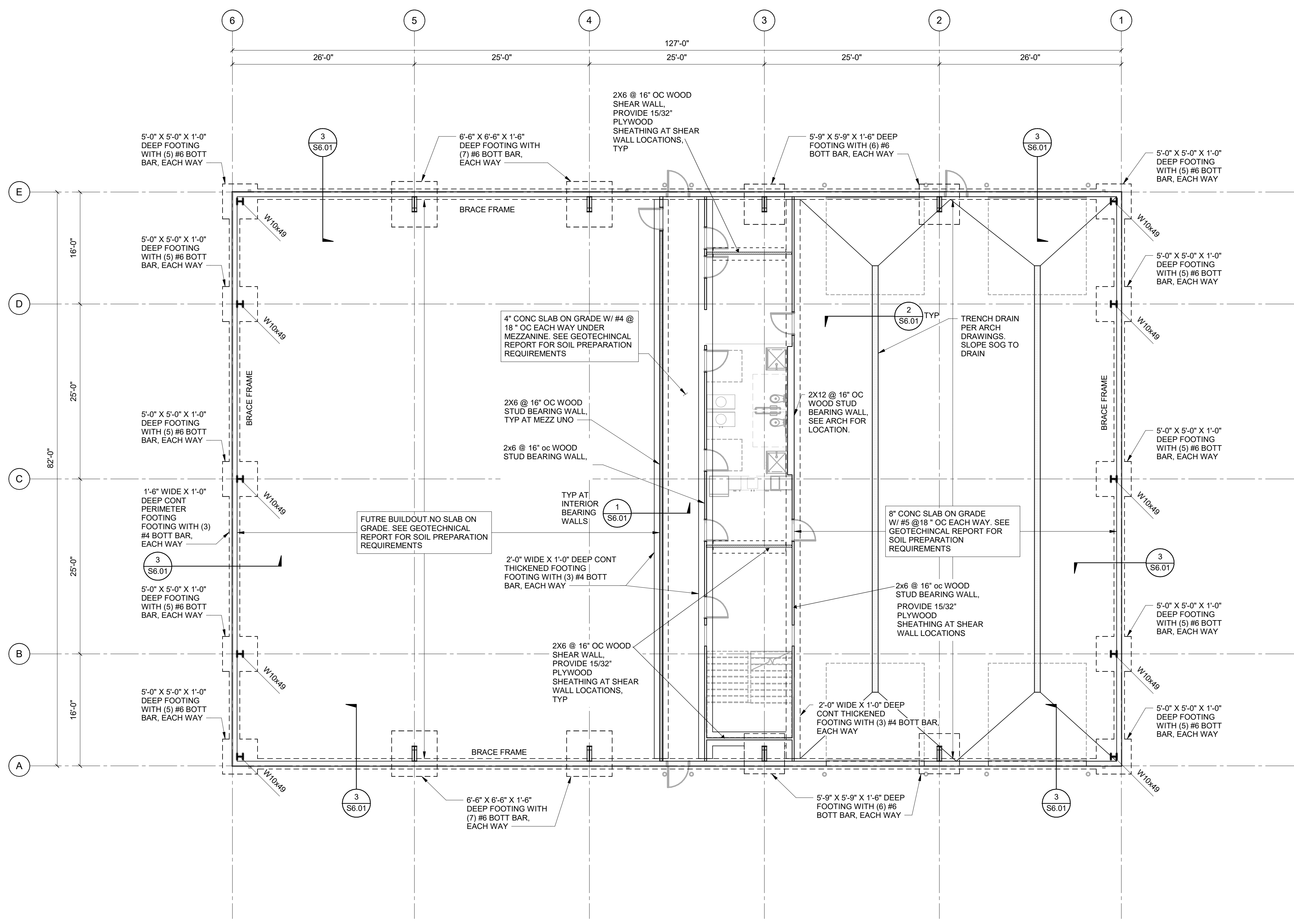
GENERAL NOTES

Sheet No:

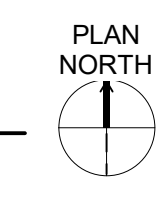
S1.02

**SHEET NOTES:**

- SEE GENERAL NOTES SHEET, S1.01, FOR MORE INFORMATION.
- SEE METAL BUILDING DRAWINGS FOR ADDITIONAL DETAILS AT BRACED FRAMES, STEEL FRAME MEMBERS AND EXTERIOR WALL CONNECTION DETAILS.
- SEE CIVIL DRAWINGS FOR SITE ELEVATIONS.
- SEE ARCHITECTURAL DRAWINGS FOR TOP OF SLAB ELEVATIONS AND WALL LOCATIONS.
- SEE GEOTECHNICAL REPORT FOR ALL EXCAVATION AND SOIL PREPARATION REQUIREMENTS. CURRENT BASIS OF DESIGN BEARING PRESSURE = 1500 PSF.
- ALL TOP OF PERIMETER FOOTINGS TO BE -1'-0" BELOW THE FINISH FLOOR ELEVATION, TYP. UNO.
- PROVIDE 3/4" DIAM. GR. 36, F1554 ANCHOR BOLTS AT ALL STEEL METAL BUILDING COLUMNS.



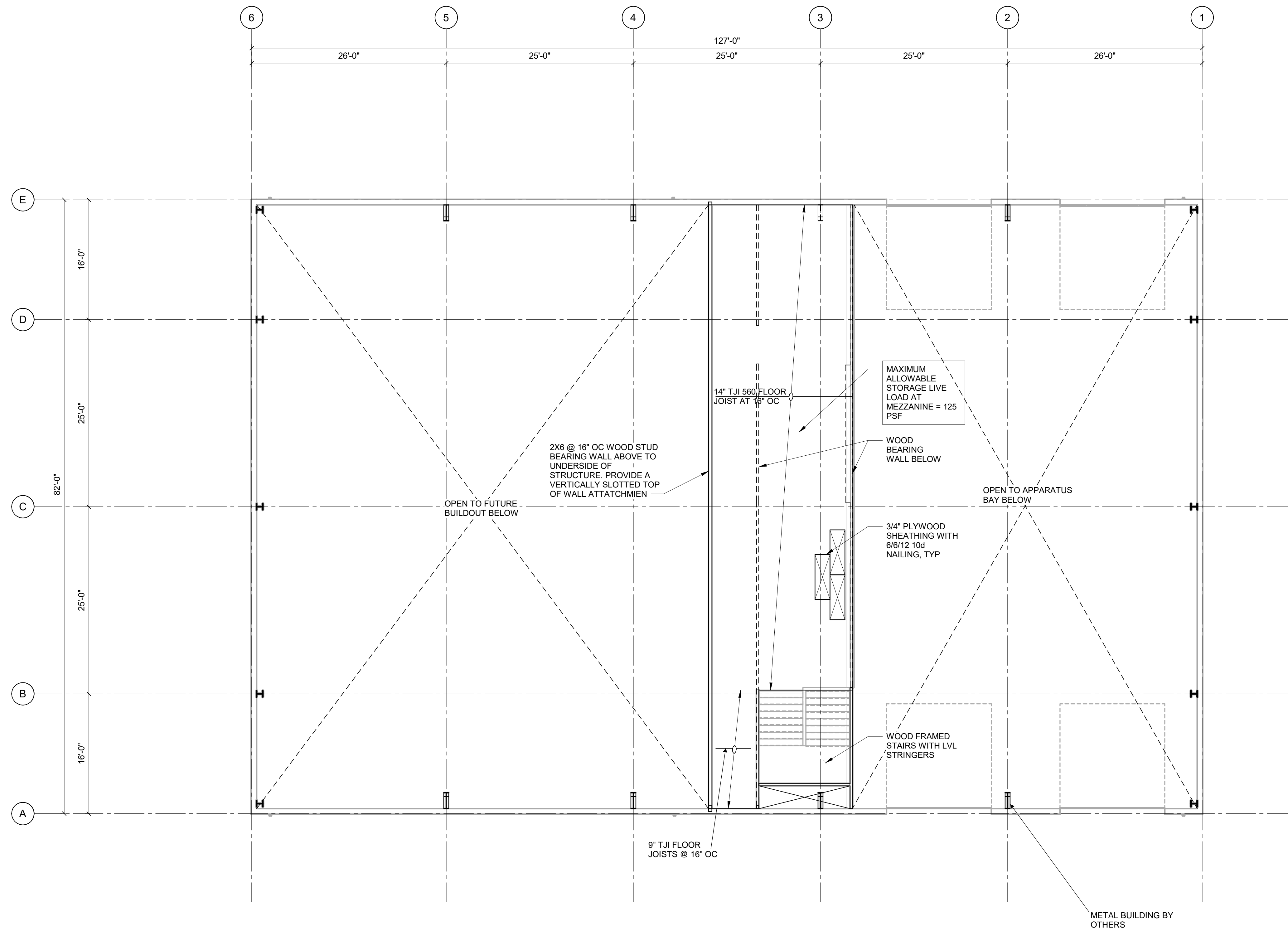
**1** LEVEL 1 - COMPOSITE FLOOR PLAN  
1/8" = 1'-0"



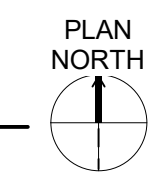
100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

**SHEET NOTES:**

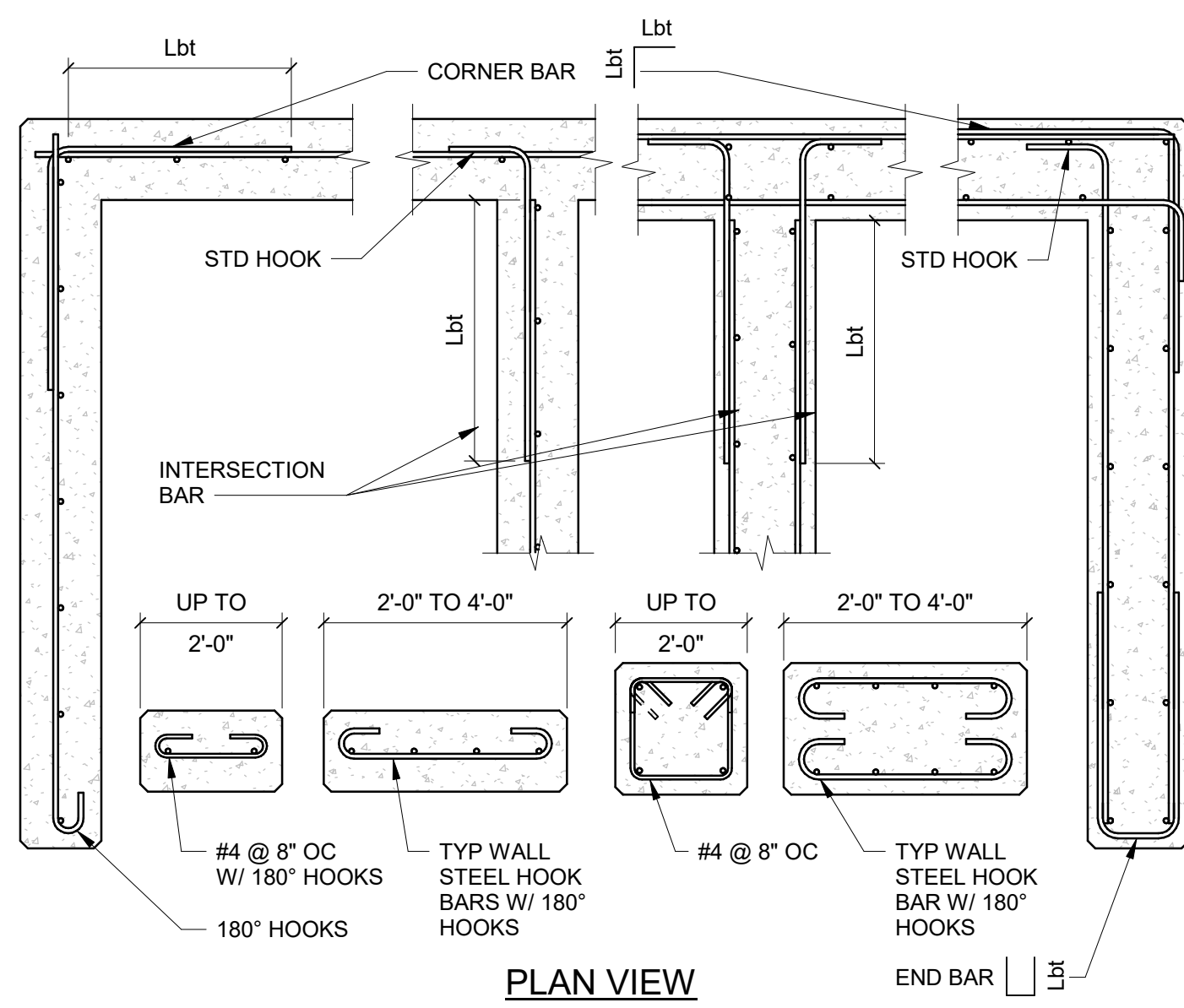
1. SEE GENERAL NOTES SHEET.S1.01, FOR MORE INFORMATION.
2. SEE METAL BUILDING DRAWINGS FOR ADDITIONAL DETAILS AT BRACED FRAMES, STEEL FRAME MEMBERS AND EXTERIOR WALL CONNECTION DETAILS.
3. SEE CIVIL DRAWINGS FOR SITE ELEVATIONS.
4. SEE ARCHITECTURAL DRAWINGS FOR TOP OF SLAB ELEVATIONS AND WALL LOCATIONS.
5. SEE ARCHITECTURAL DRAWINGS FOR TOP OF MEZZANINE ELEVATION.



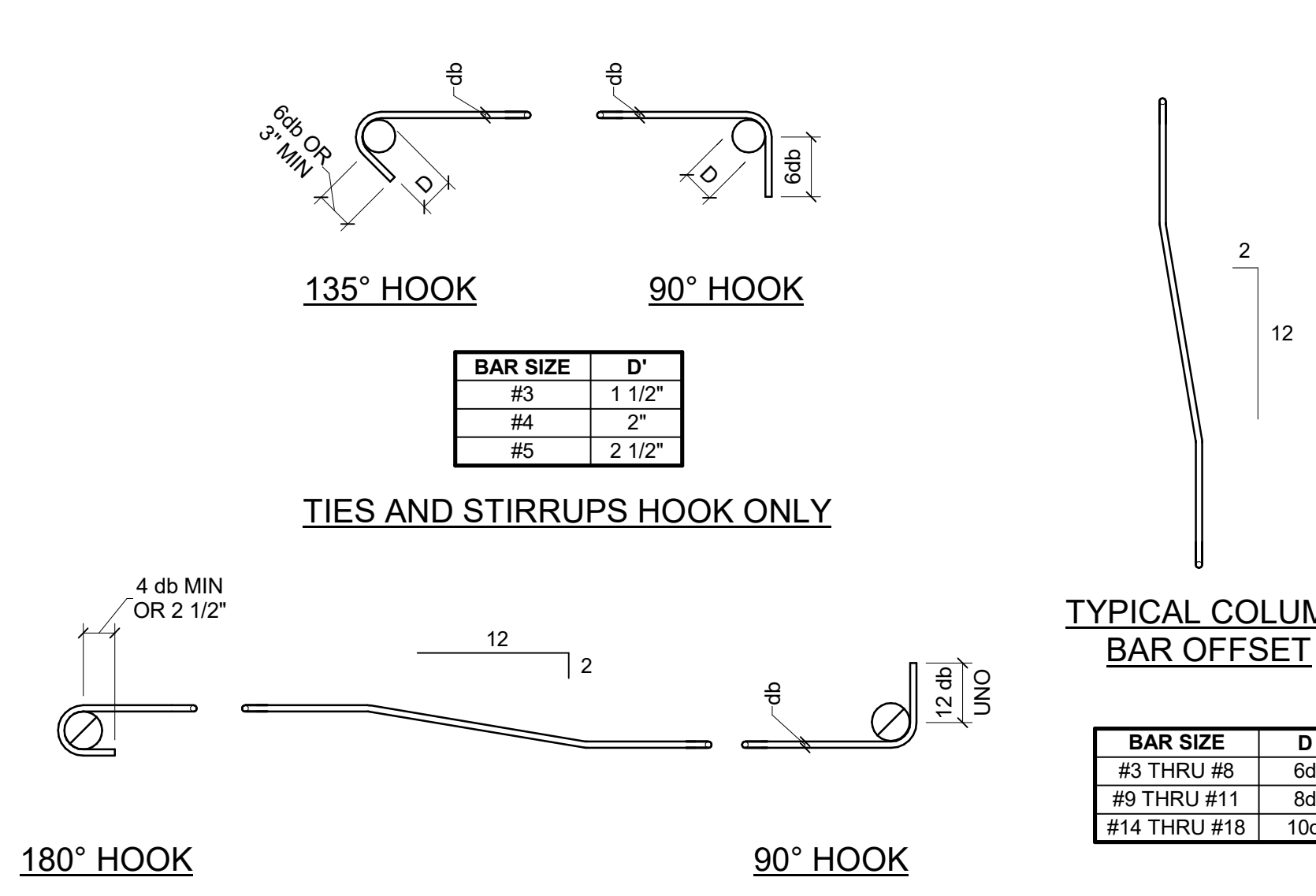
**1** LEVEL 2 - COMPOSITE FLOOR PLAN  
S2.02 1/8" = 1'-0"



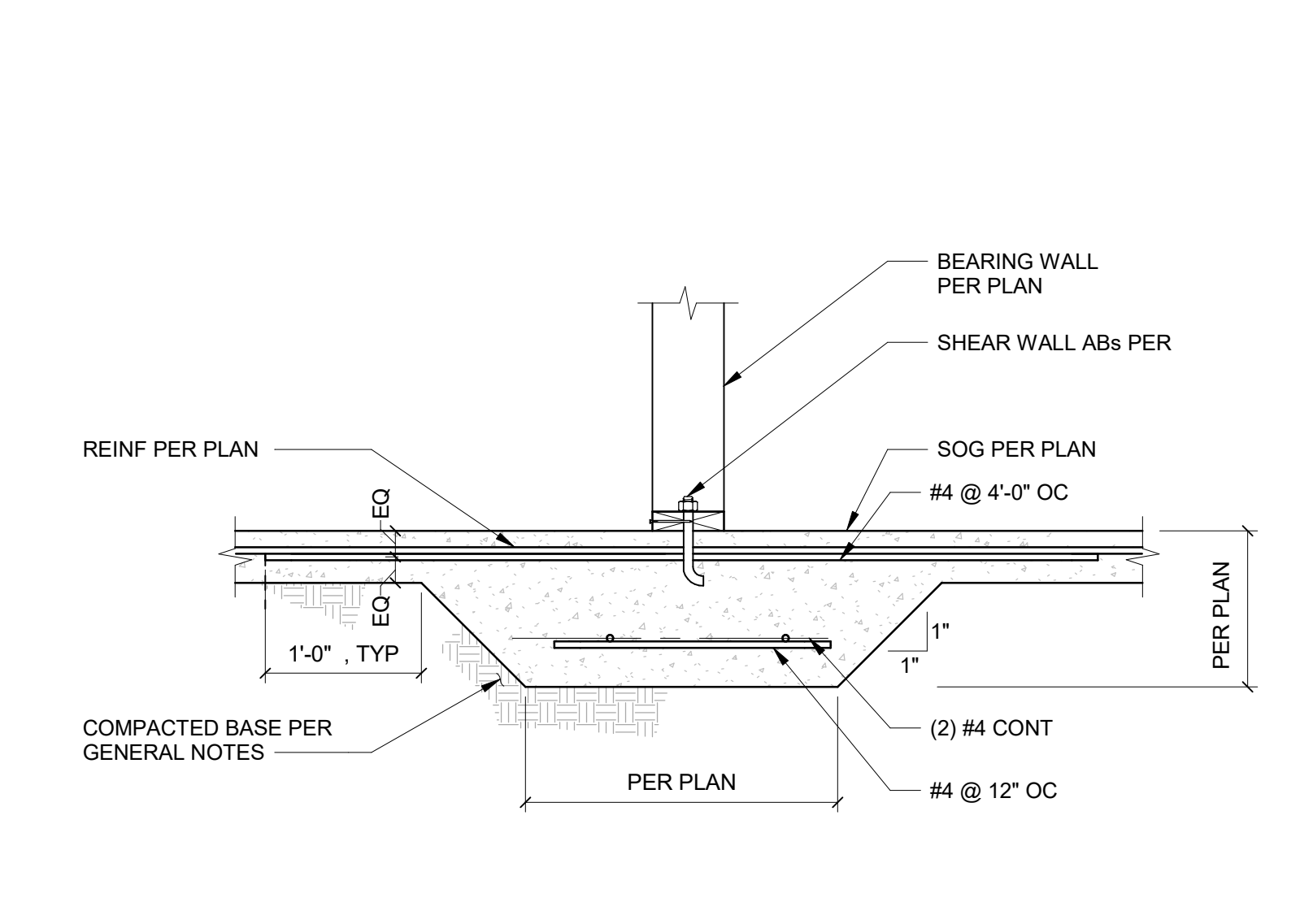
100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)



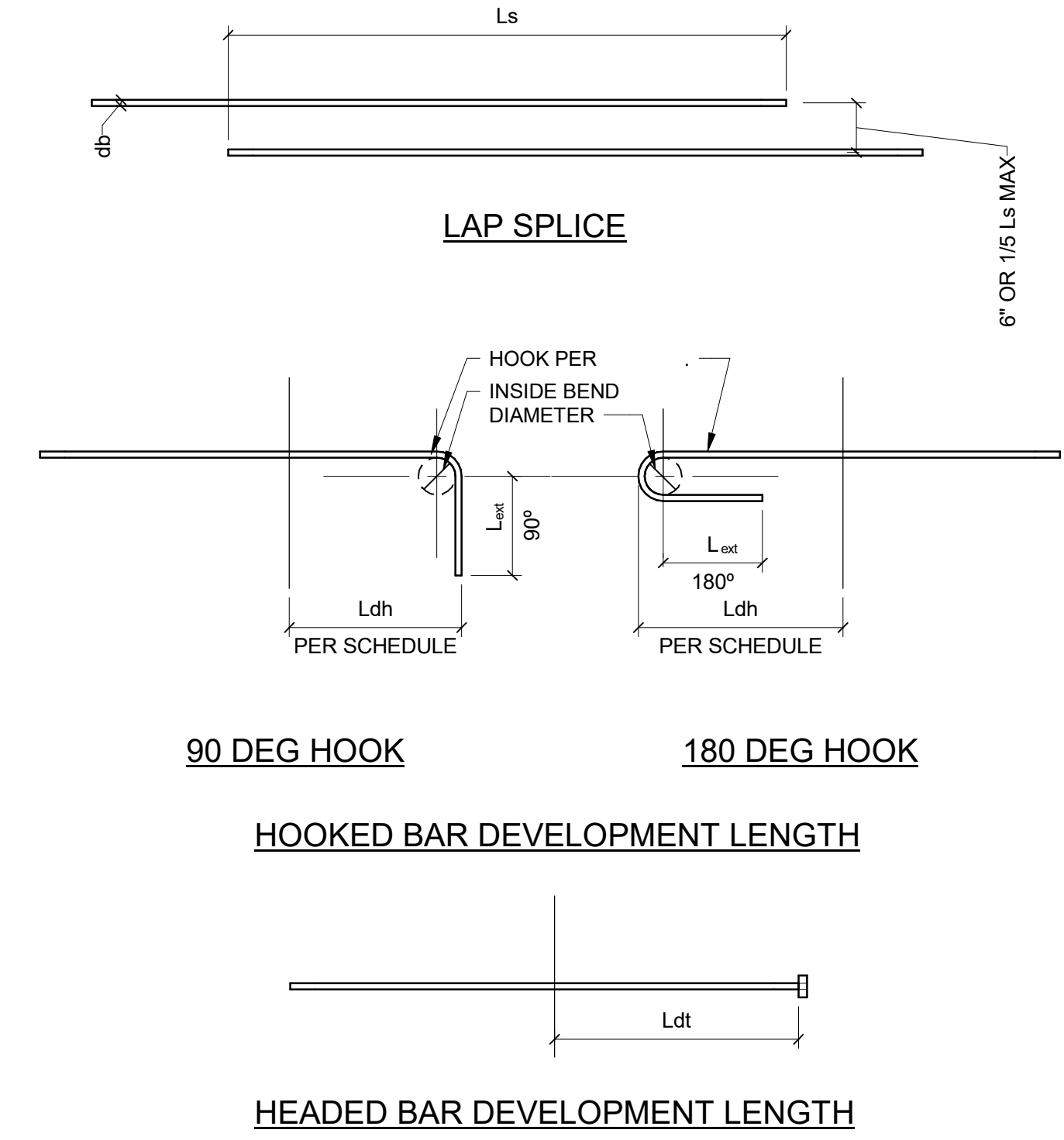
7 TYP CONCRETE WALL DETAILS  
S6.01 NO SCALE



4 REINFORCING BAR BENDING DETAIL  
S6.01 NO SCALE



1 INTERIOR STRIP FTG @ BEARING WALLS  
S6.01 1" = 1'-0"

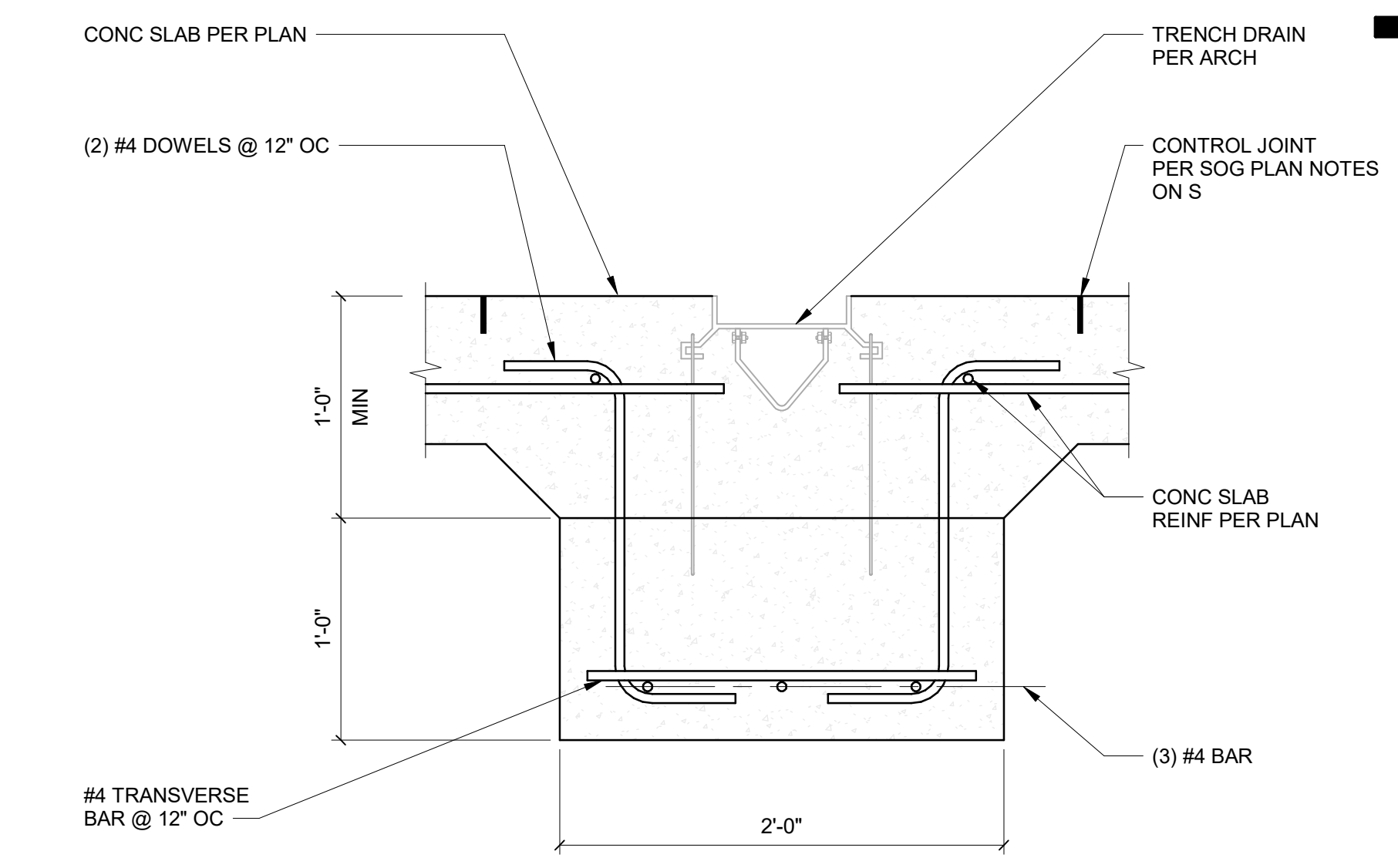


BAR SIZE	TOP BARS		OTHERS BARS		L <sub>dh</sub>	L <sub>dt</sub>
	L <sub>d</sub>	L <sub>e</sub>	L <sub>d</sub>	L <sub>e</sub>		
#4	25"	32"	19"	25"	9"	8"
#5	31"	40"	24"	31"	12"	10"
#6	37"	48"	28"	37"	14"	12"
#7	54"	70"	42"	54"	17"	14"
#8	62"	80"	47"	62"	19"	16"
#9	70"	90"	54"	70"	21"	18"
#10	78"	102"	60"	78"	24"	20"
#11	87"	113"	67"	87"	27"	22"

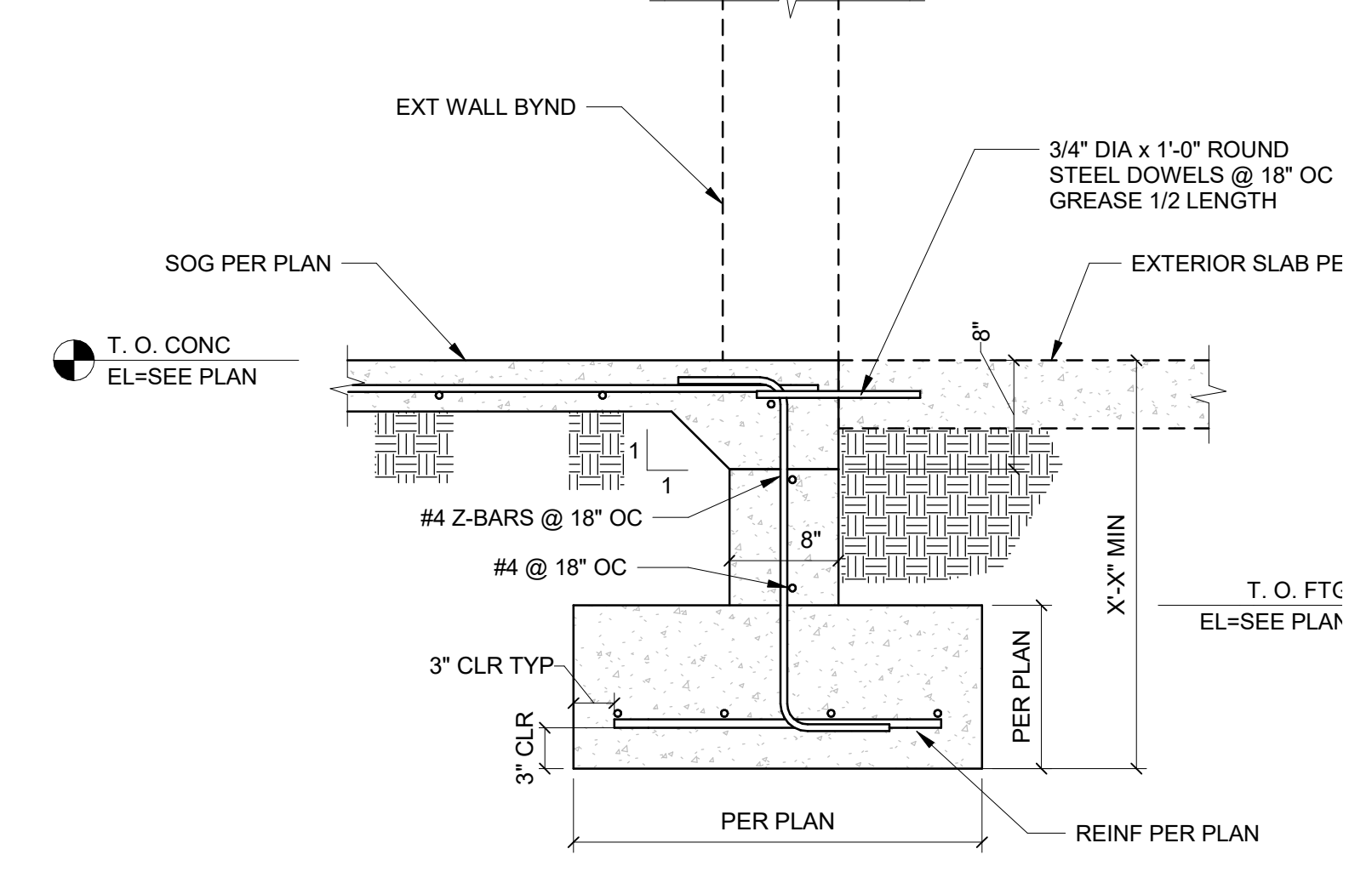
NOTES:  
 1. DEVELOPMENT LENGTHS ARE FOR 4 ksi CONCRETE  
 2. USE THE LENGTHS IN THIS SCHEDULE, UNLESS NOTED OTHERWISE  
 3. A TOP BAR IS A HORIZONTAL BAR WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW IT.

ABBREVIATIONS:  
 d<sub>b</sub> = BAR DIAMETER  
 L<sub>d</sub> = DEVELOPMENT LENGTH  
 L<sub>e</sub> = CLASS B LAP SPlice LENGTH  
 L<sub>dh</sub> = HOOKED BAR DEVELOPMENT LENGTH  
 L<sub>dt</sub> = TERMINATOR DEVELOPMENT LENGTH

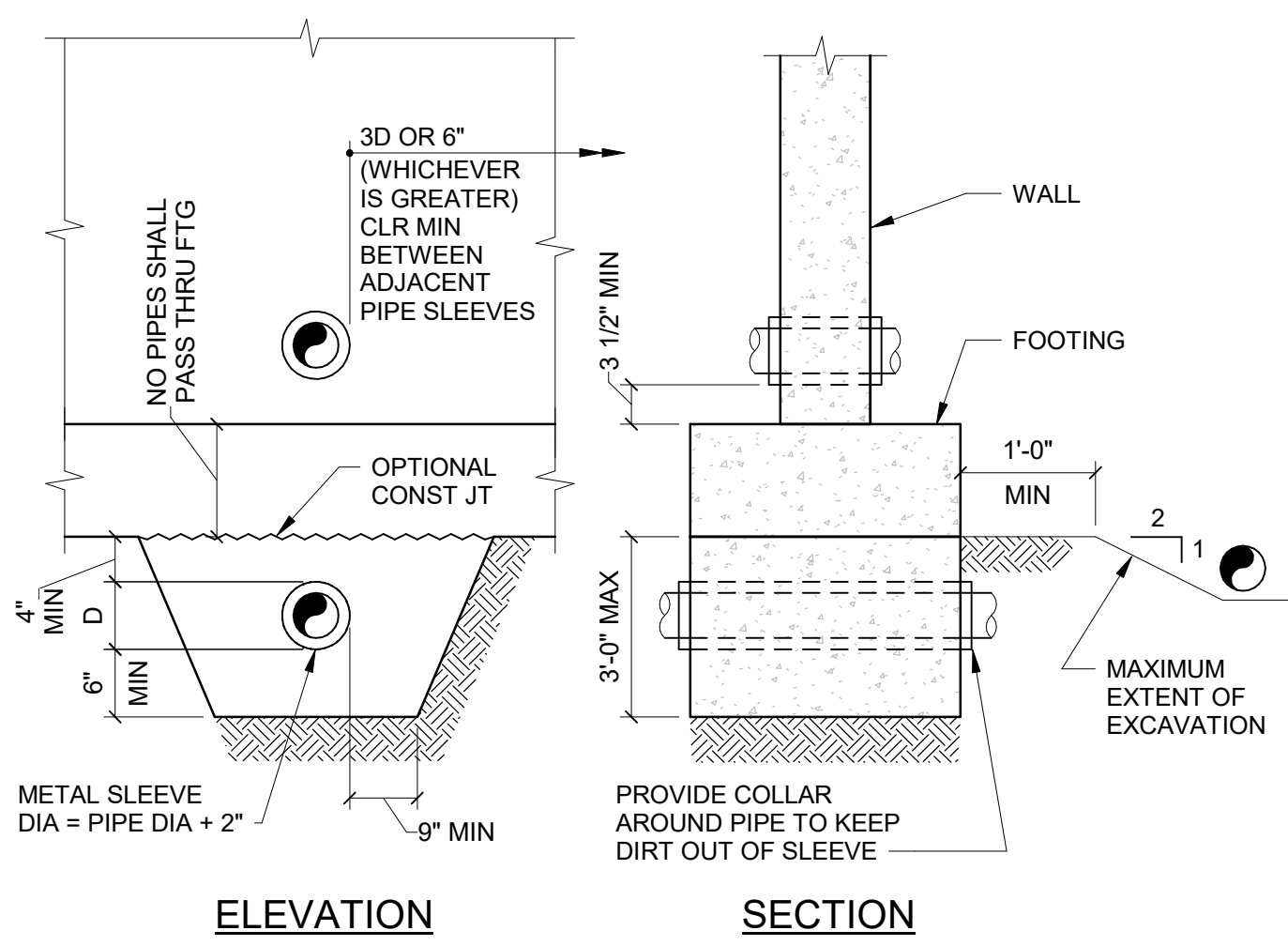
5 DEVELOPMENT AND SPLICE LENGTH  
S6.01 NO SCALE



2 TRENCH DRAIN DETAIL  
S6.01 1 1/2" = 1'-0"



3 STEM WALL AT ENTRY  
S6.01 1" = 1'-0"



NOTES:  
 1. STEP FOOTING PER TYPICAL STEPPED FOOTING DETAIL AS REQUIRED TO SATISFY THESE CONDITIONS.  
 2. GENERAL CONTRACTOR TO COORDINATE EXACT DEPTH AND LOCATION OF PIPE.  
 3. "D" SHALL NOT EXCEED 8".

6 TYP DETAIL OF PIPE AT FOOTINGS  
S6.01 NO SCALE

STAMP

Project:  
TWIN FALLS FIRE TRAINING CENTER

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 1021200013  
 Date: 11/23/2022  
 Checked By:  
 Drawn By:

Sheet Name:  
CONCRETE DETAILS

Sheet No:

S6.01

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

1

2

3

4

5

6

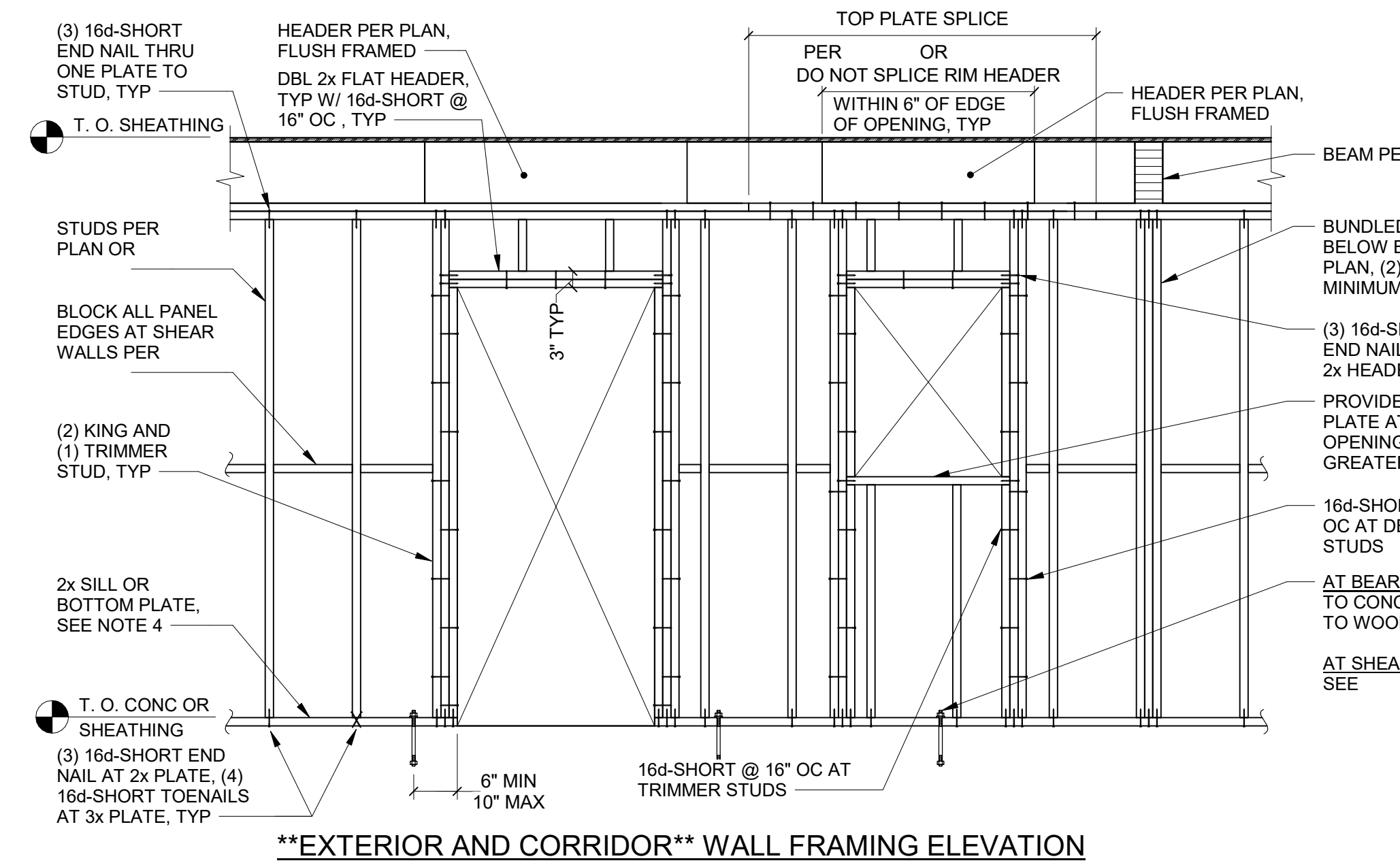
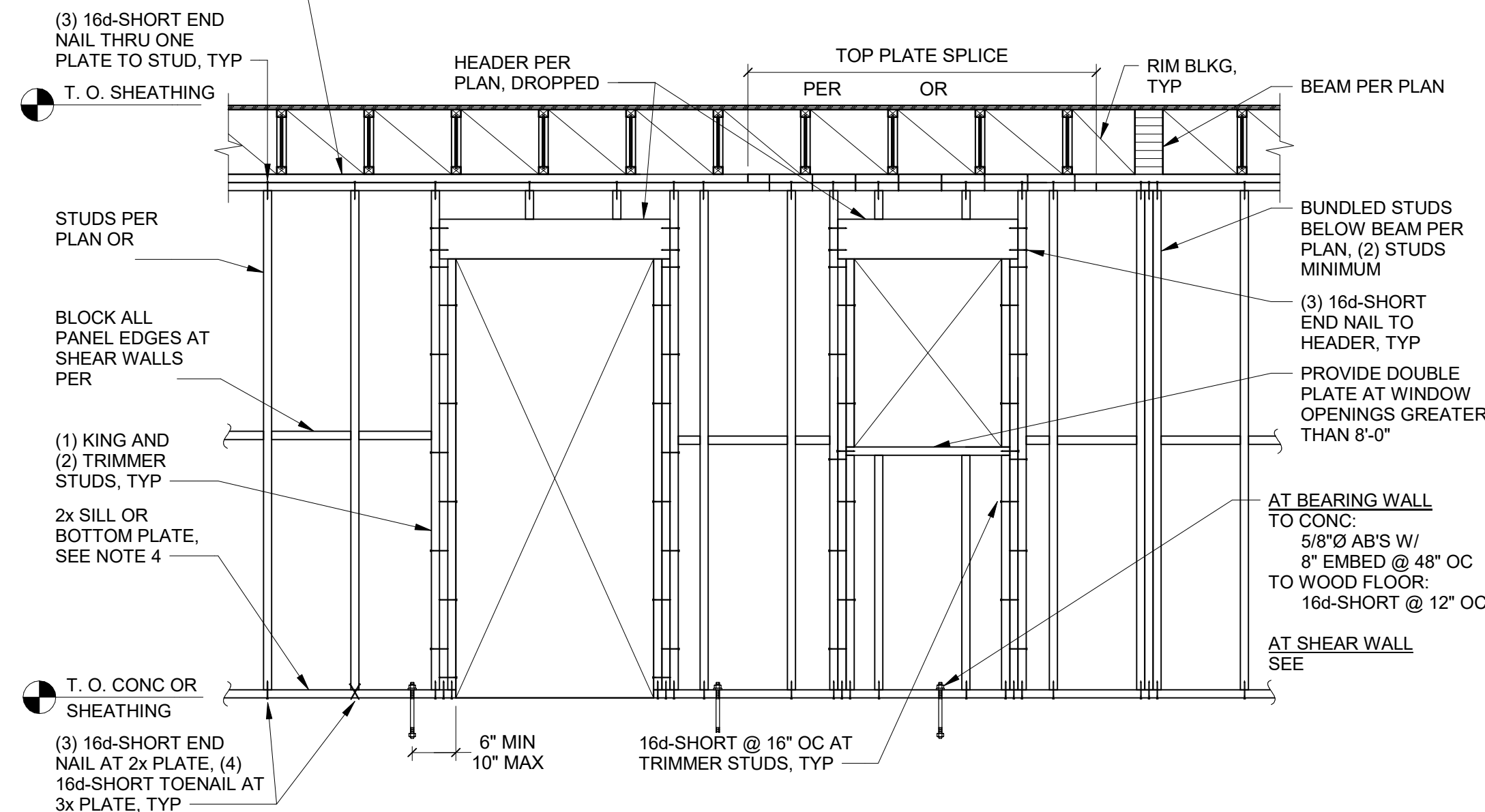
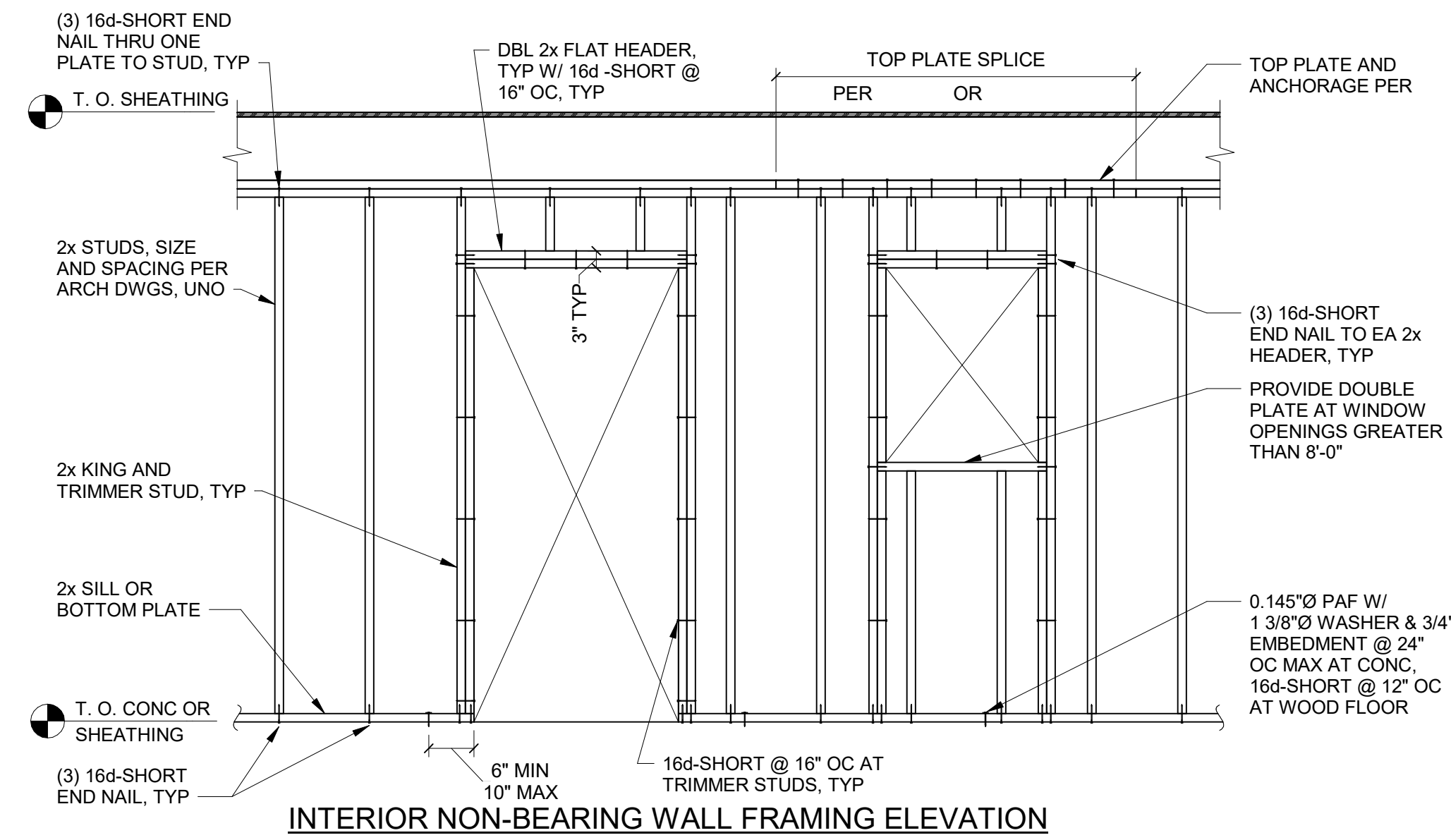
A

B

C

D

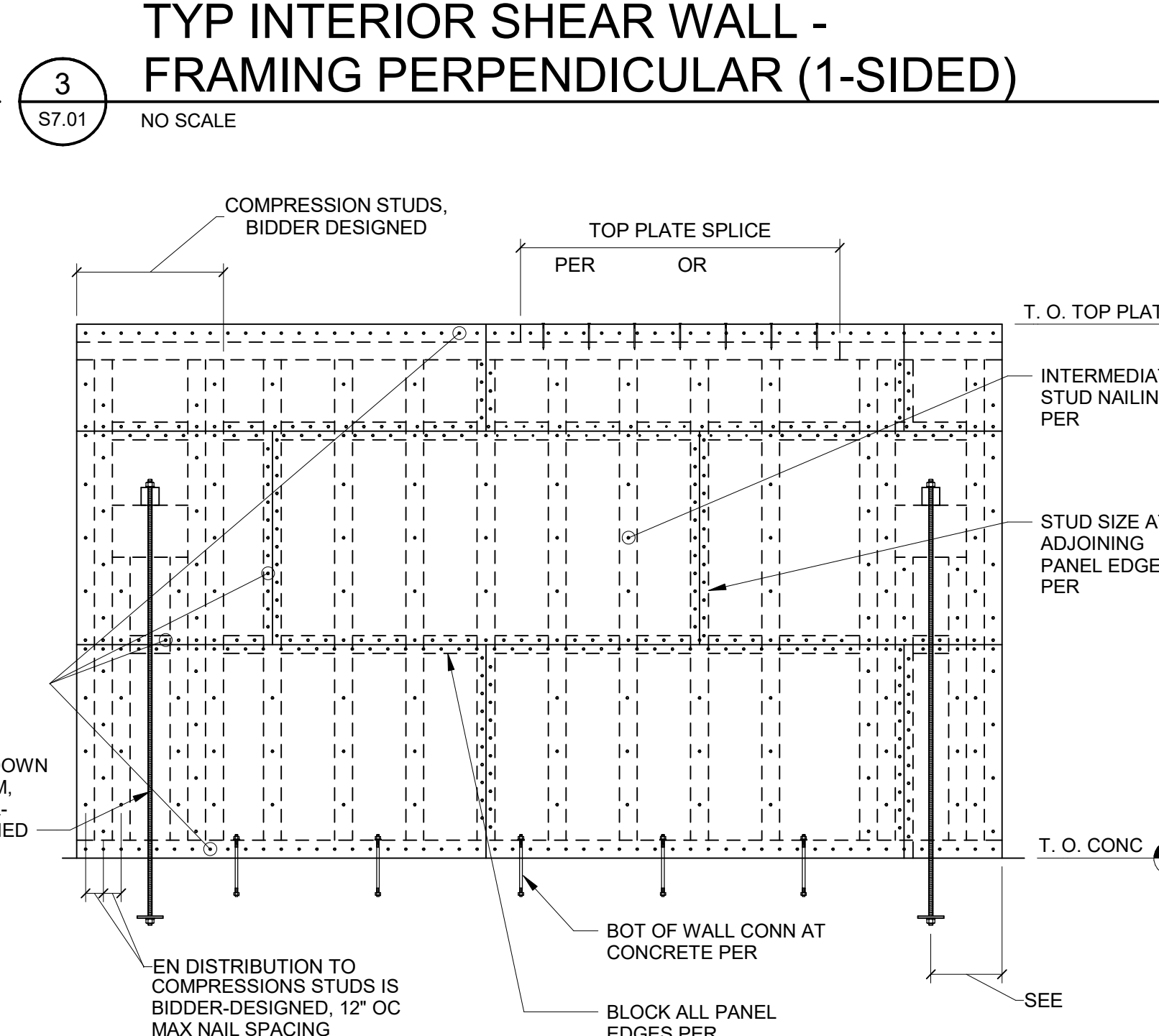
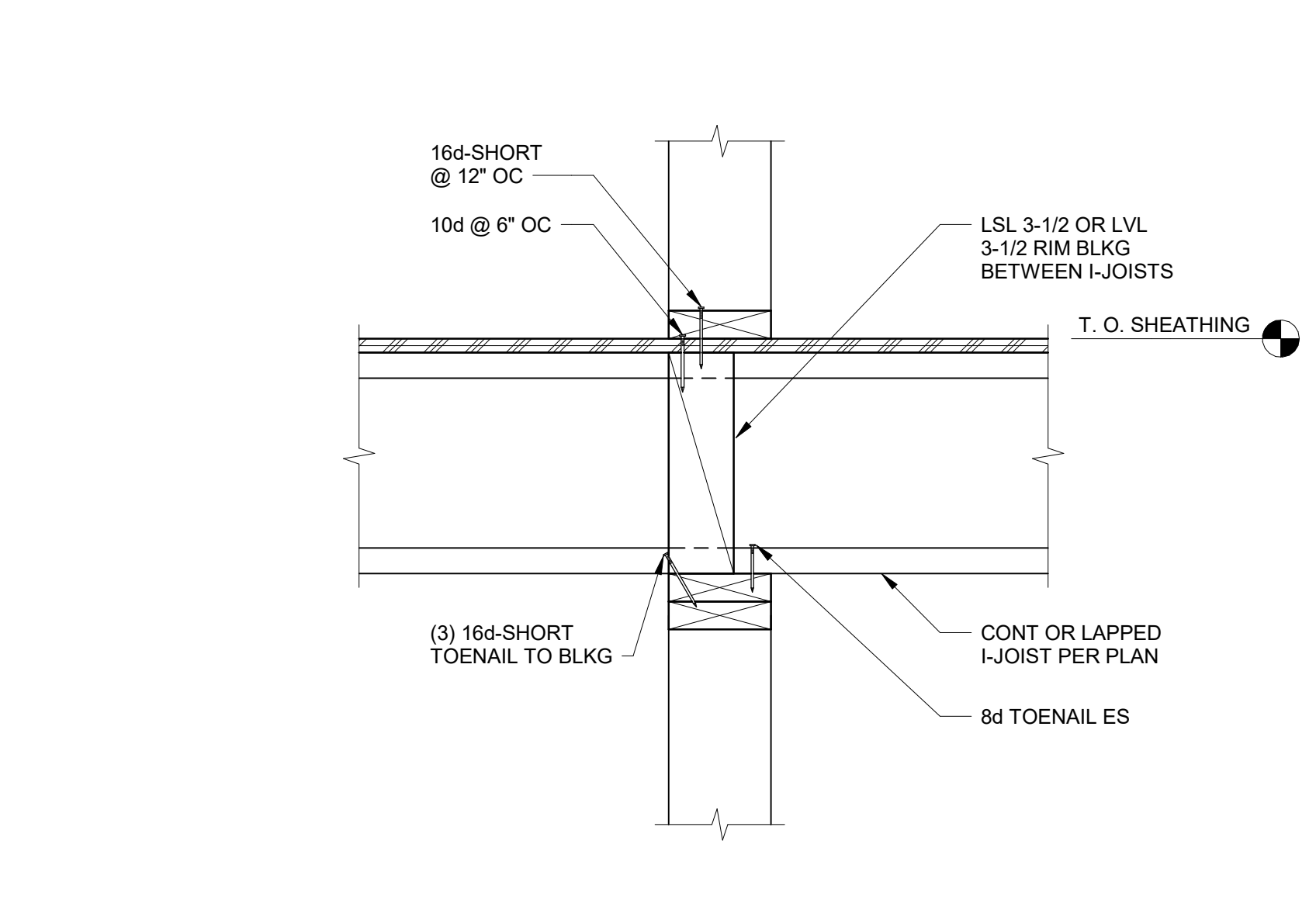
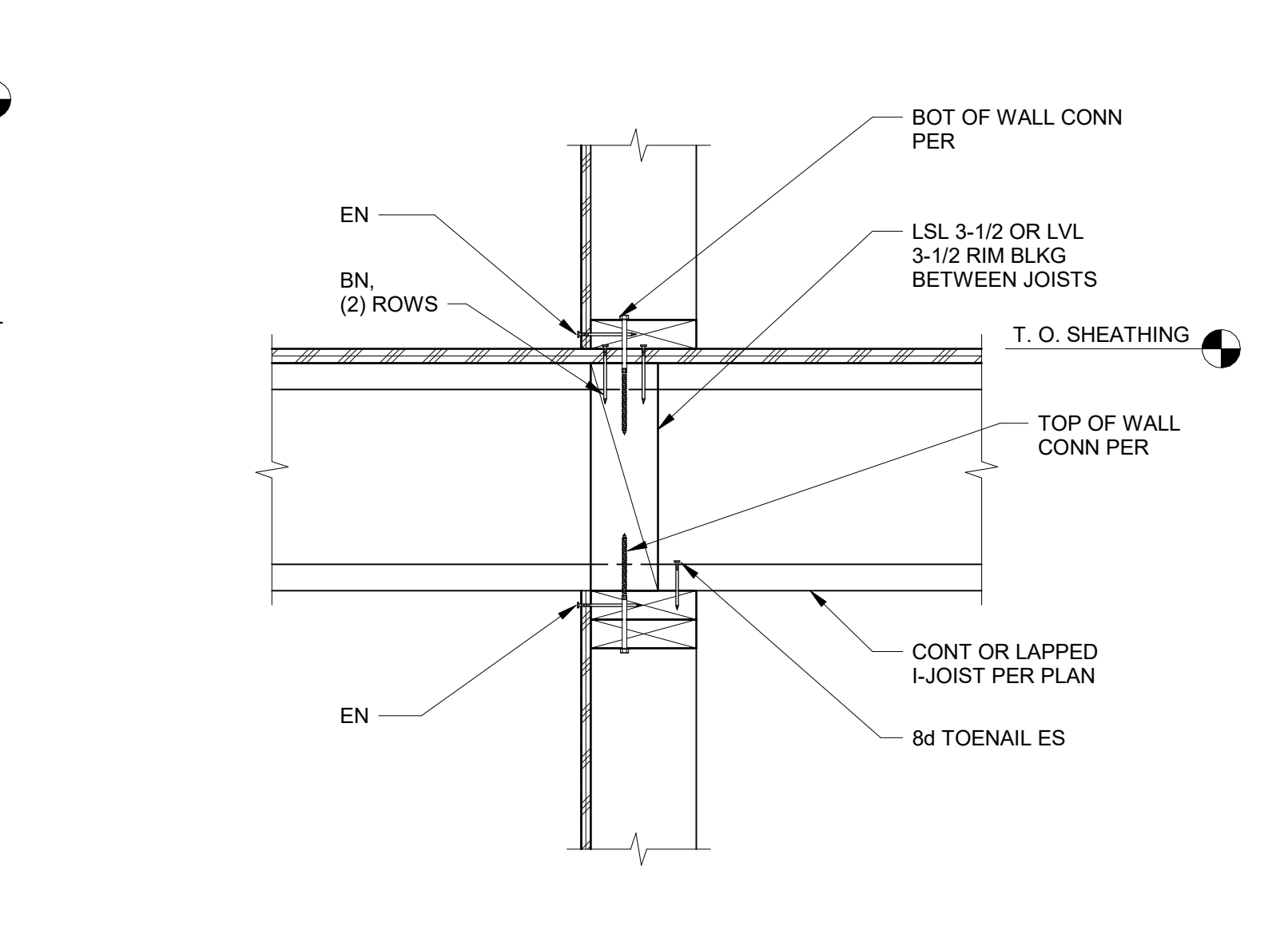
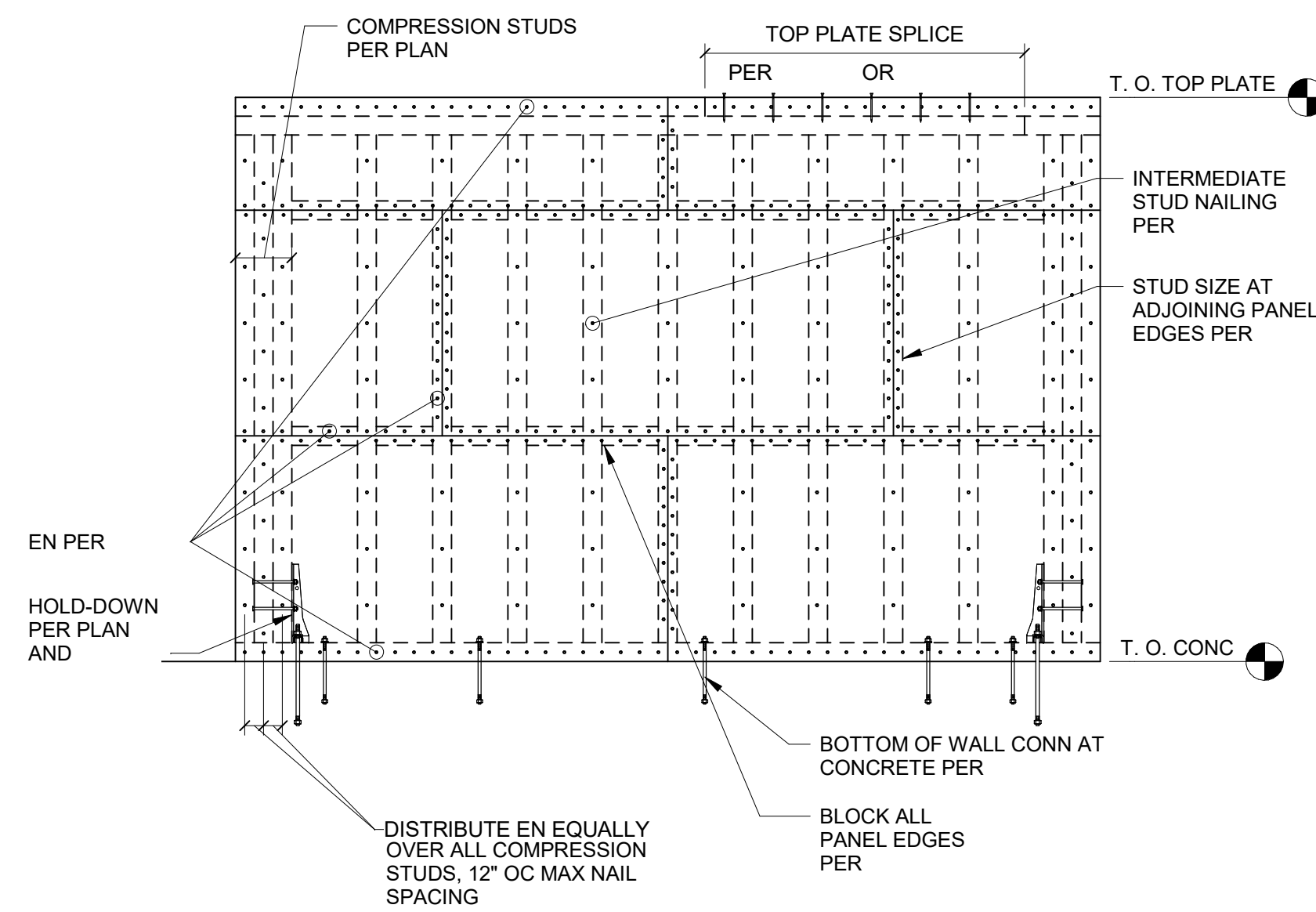
E



NOTES (APPLIES TO ALL ELEVATIONS):

- FRAMING NAILING NOT SHOWN SHALL BE AS INDICATED IN TABLE 2304.10.1
- SILL PLATES TO BE PRESERVATIVE-TREATED WHERE IN CONTACT WITH CONCRETE
- SEE OR FOR SILL BOLT CONSTRUCTION
- INCREASE SILL PLATE SIZE TO 3x WHERE REQUIRED BY SHEAR WALL SCHEDULE PER

1 TYP STUD WALL FRAMING ELEVATION  
S7.01 NO SCALE



100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 1021200013  
Date: 11/23/2022  
Checked By:  
Drawn By:

Sheet Name:  
**WOOD FRAMING DETAILS**

Sheet No:  
**S7.01**

STAMP

Project: TWIN FALLS TRAINING FACILITY 420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029 Date: 11/22/2022 Checked By: JLU Drawn By: NAH

Sheet Name: MECHANICAL LEGENDS & NOTES

Sheet No: M0.01

UNLESS NOTED OTHERWISE ALL SCHEDULED DATA IS LISTED AT ELEVATION 3700 FT

GENERAL LEGEND (Not all symbols listed below are used on these drawings) Table with columns: ABBR., SYMBOL, DESCRIPTION. Includes symbols for section designations, equipment identification, valves, and room references.

HVAC LEGEND (Not all symbols listed below are used on these drawings) Table with columns: ABBR., SYMBOL, DESCRIPTION. Lists various HVAC piping types such as heating water supply, chilled water, and condenser water.

DOUBLE/SINGLE LINE DUCT LEGEND (Not all symbols listed below are used on these drawings) Table showing symbols for single and double line ducts, tees, elbows, and dampers.

BAS CONTROL LEGEND & NOTES (Not all symbols listed below are used on these drawings) Table with columns: ABBR., SYMBOL, DESCRIPTION. Lists digital and analog input/output symbols and includes general notes for BAS control.

HVAC PLAN NOTES:

- 1. ALL SUPPLY AIR DIFFUSERS ARE 4-WAY AIR PATTERN UNLESS SHOWN OTHERWISE.
2. DUCT SIZE OF BRANCH DUCT TO AIR DEVICE SHALL BE THE SAME SIZE AS NECK SIZE OF AIR DEVICE UNLESS NOTED OTHERWISE.
3. ALL HEATING WATER SUPPLY AND RETURN BRANCH PIPING TO TERMINAL BOXES SHALL BE 3/4" UNLESS NOTED OTHERWISE...

GENERAL NOTES:

- 1. WORK INCLUDED IN THE CONTRACT IS DENOTED IN BOLD, EXISTING CONDITIONS TO REMAIN ARE DENOTED LIGHTLY.
2. A DETAILED METHOD OF PROCEDURE IS REQUIRED WHEN A CONSTRUCTION ACTIVITY AFFECTS THE SAFETY OF THE OCCUPANTS, OWNER'S EQUIPMENT OR VALUABLE CONTENTS OR ANY SYSTEM WHICH SUPPORTS THESE SYSTEMS...

DEMOLITION GENERAL NOTES:

- 1. EXISTING ITEMS TO REMAIN ARE DENOTED LIGHTLY UNLESS OTHERWISE NOTED. ALL ITEMS SHOWN DASHED & BOLD SHALL BE REMOVED UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL NOT SHUT-OFF OR PUT-OUT OF SERVICE ANY SYSTEMS OR SERVICE WITHOUT FIRST COORDINATING WITH THE OWNER...

MECHANICAL PRICING NOTES:

- 1. XXX.

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

A

B

C

D

E

FURNACE SCHEDULE table with columns for DESIG., NAME, NO., MFR., MODEL, and various technical specifications.

A

AIR COOLED CONDENSING UNIT SCHEDULE table with columns for DESIG., NAME, NO., MFR., MODEL, and technical specifications.

DUCT PRESSURE CLASSIFICATION SCHEDULE table with columns for DUCT TYPE, MATERIAL, PRESSURE CLASS, and REMARKS.

DUCTLESS SPLIT SYSTEM INDOOR UNIT SCHEDULE table with columns for DESIG., NAME, NO., MFR., MODEL, and technical specifications.

DUCTLESS SPLIT SYSTEM OUTDOOR UNIT SCHEDULE table with columns for DESIG., NAME, NO., MFR., MODEL, and technical specifications.

EQUIPMENT SOUND DATA SCHEDULE table with columns for DESIG., NAME, NO., and sound level data.

AIR DEVICE SCHEDULE table with columns for DESIG., NAME, NO., MFR., MODEL, and device specifications.

C

ELECTRIC BASEBOARD SCHEDULE table with columns for DESIG., NAME, NO., MFR., MODEL, and technical specifications.

GAS FIRED UNIT HEATER SCHEDULE table with columns for DESIG., NAME, NO., MFR., MODEL, and technical specifications.

GAS FIRED RADIANT HEATER SCHEDULE table with columns for DESIG., NAME, NO., MFR., MODEL, and technical specifications.

UNIT HEATER SCHEDULE (ELECTRIC) table with columns for DESIG., NAME, NO., MFR., MODEL, and technical specifications.

D

FAN SCHEDULE table with columns for DESIG., NAME, NO., MFR., MODEL, and technical specifications.

E



PIVOT NORTH ARCHITECTURE, PLLC. 116 S. 6TH STREET BOISE, ID 83702 www.pivotnorthdesign.com

STAMP



Project: TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5993

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029 Date: 11/22/2022 Checked By: JLU Drawn By: NAH Sheet Name:

MECHANICAL SCHEDULES

Sheet No: M0.02



1

2

3

4

5

6

KEYNOTES

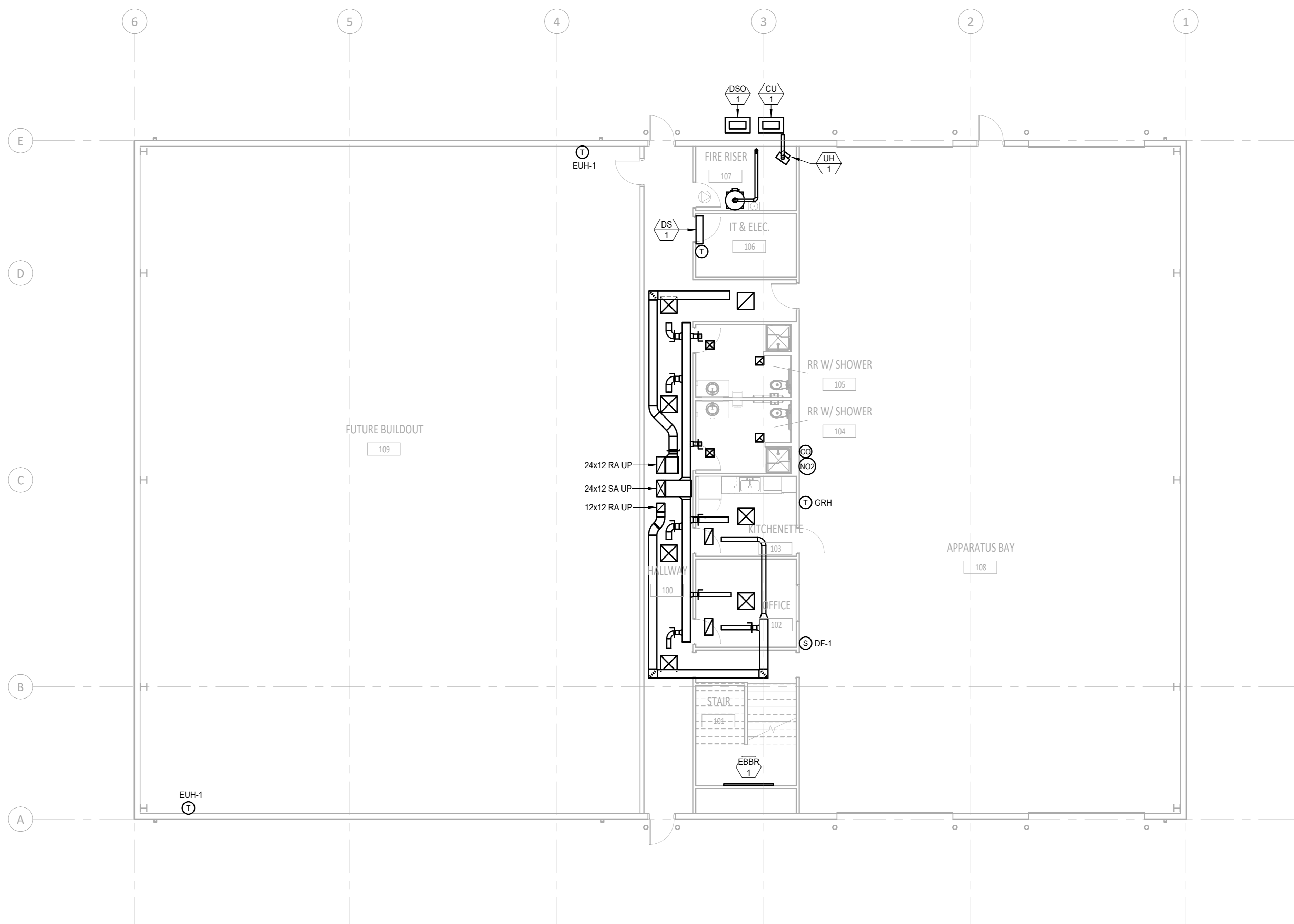
A

B

C

D

E



↑  
**LEVEL 1 - HVAC PLAN**  
 SCALE: 1/8" = 1'-0"

1" = 1'-0"  
 IF LINE DOES NOT MEASURE 1 INCH,  
 DRAWING IS NOT TO SCALE



PIVOT NORTH ARCHITECTURE, PLLC.  
 116 S. 6TH STREET  
 BOISE, ID 83702  
 www.pivotnorthdesign.com

STAMP  
 :



Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
 Date: 11/22/2022  
 Checked By: JLU  
 Drawn By: NAH

Sheet Name:  
**LEVEL 1 - HVAC PLAN**

Sheet No:  
**M2.01**

11/23/2022 8:53:08 AM  
 P:\Users\jlu\Documents\2020-481 Twin Falls Fire Training Facility\Cad

1

2

3

4

5

6

KEYNOTES



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project:  
TWIN FALLS TRAINING FACILITY

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
Date: 11/22/2022  
Checked By: JLU  
Drawn By: NAH

Sheet Name:  
LEVEL 2 - HVAC PLAN

Sheet No:

M2.02

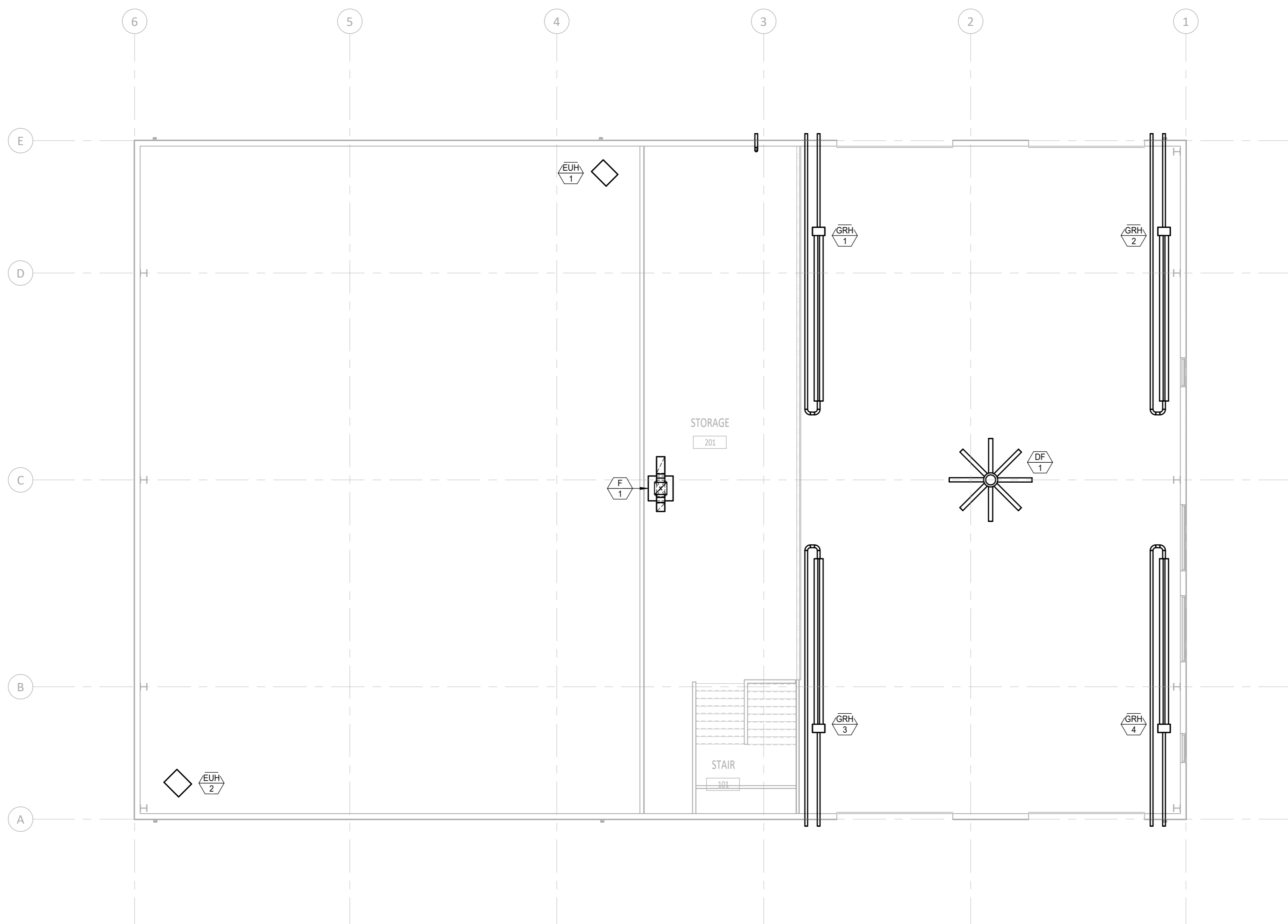
A

B

C

D

E



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

1" SCALE  
IF LINE DOES NOT MEASURE 1 INCH,  
DRAWING IS NOT TO SCALE

1

2

3

4

5

6

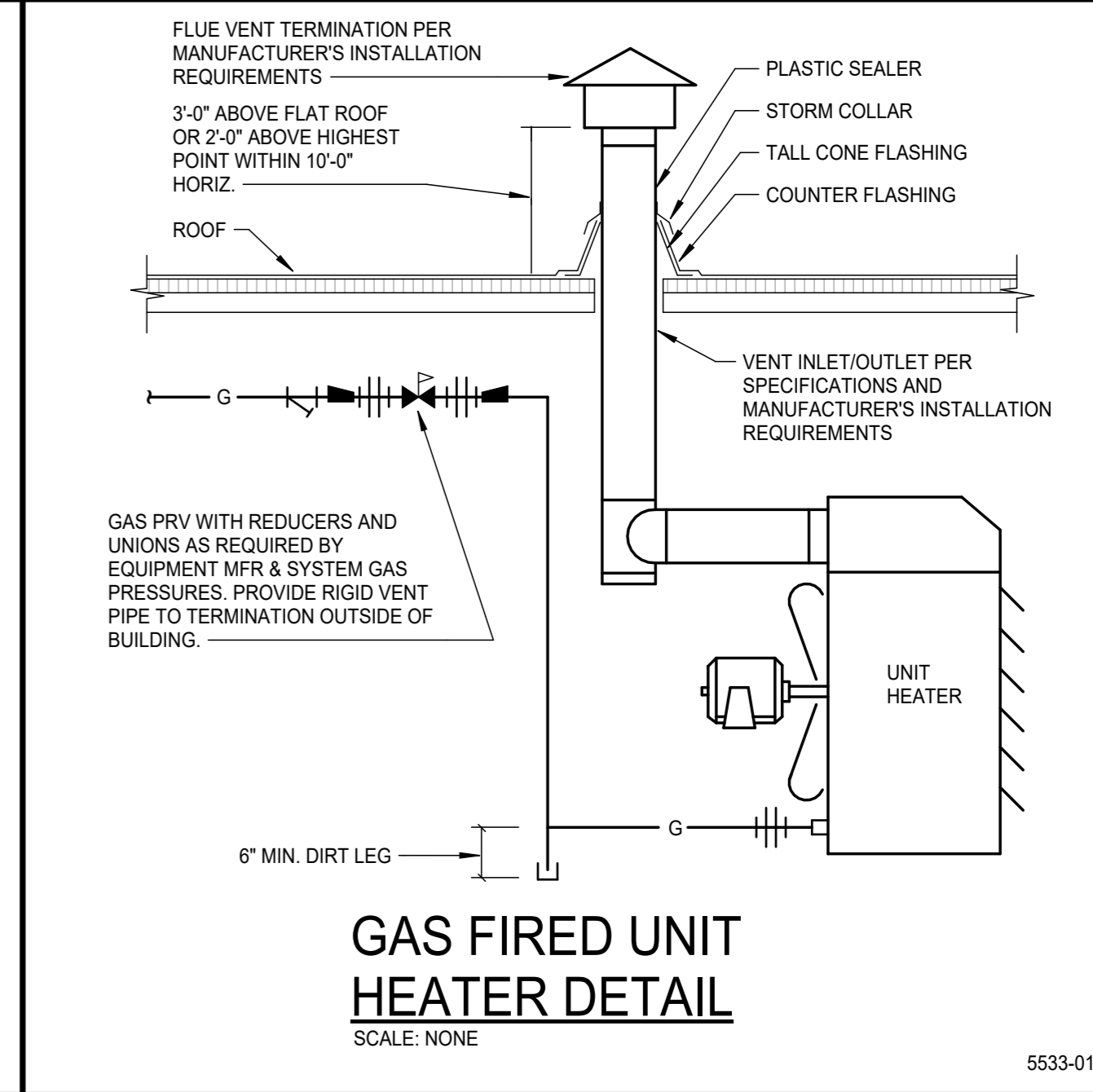
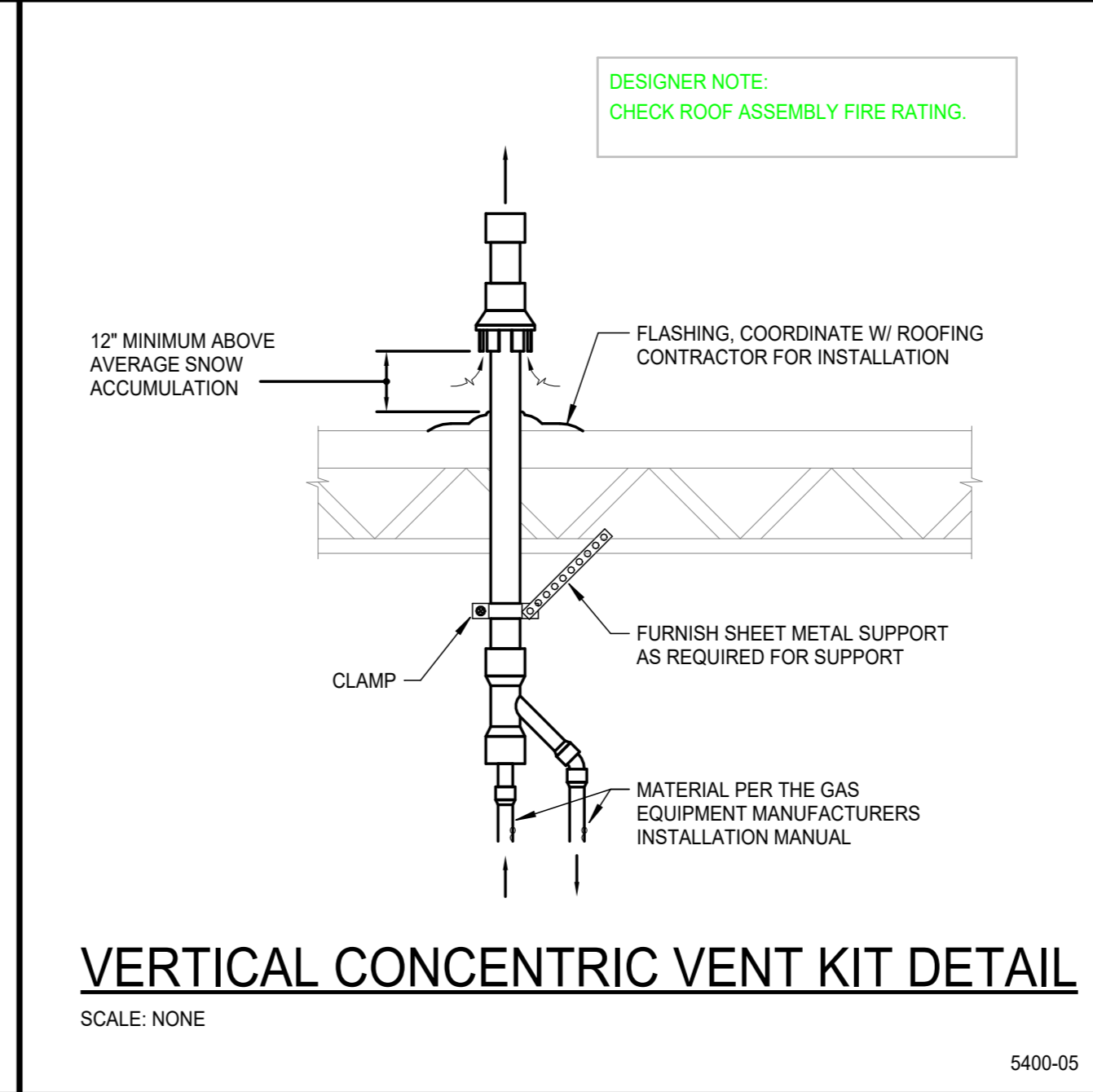
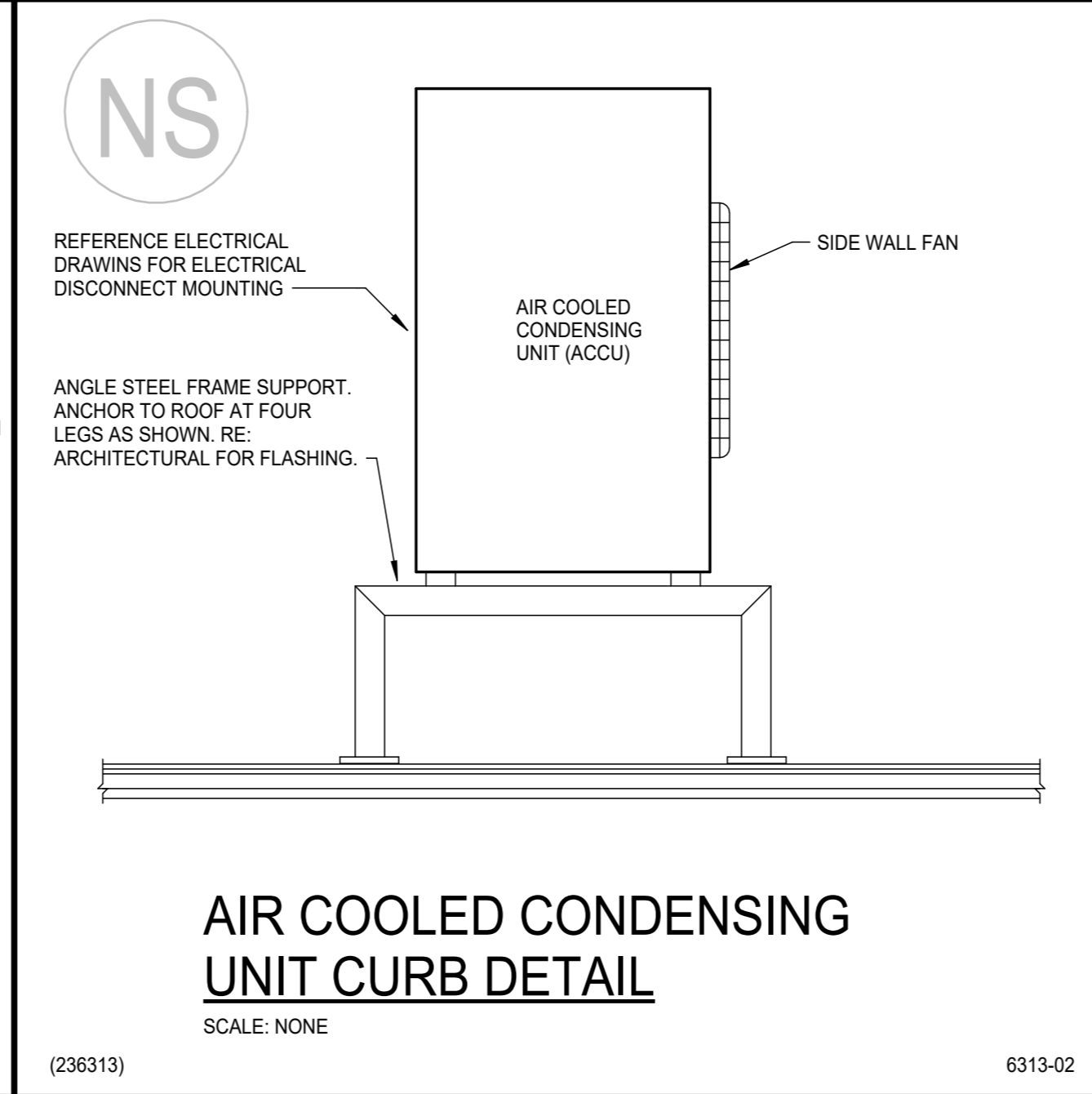
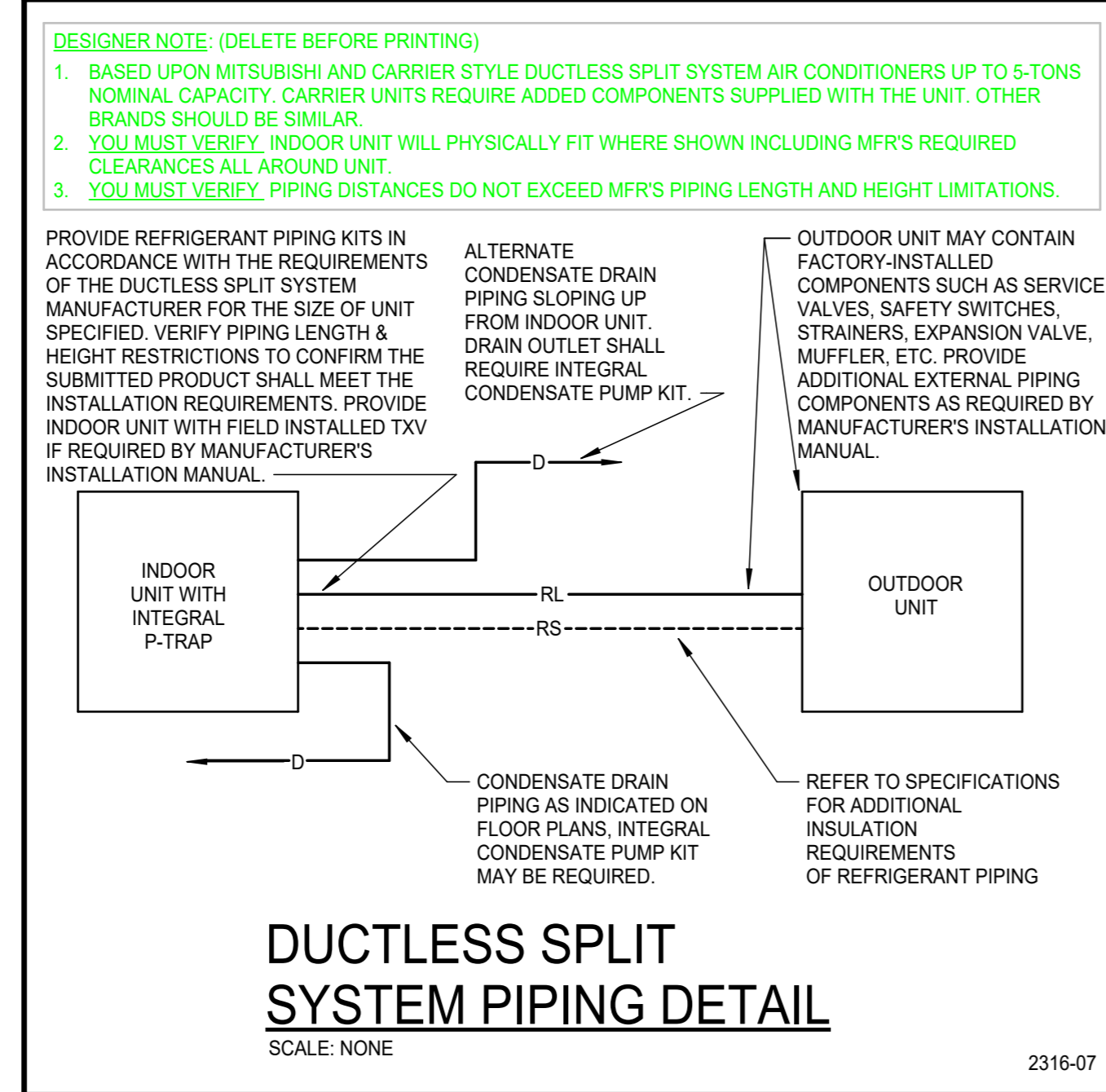
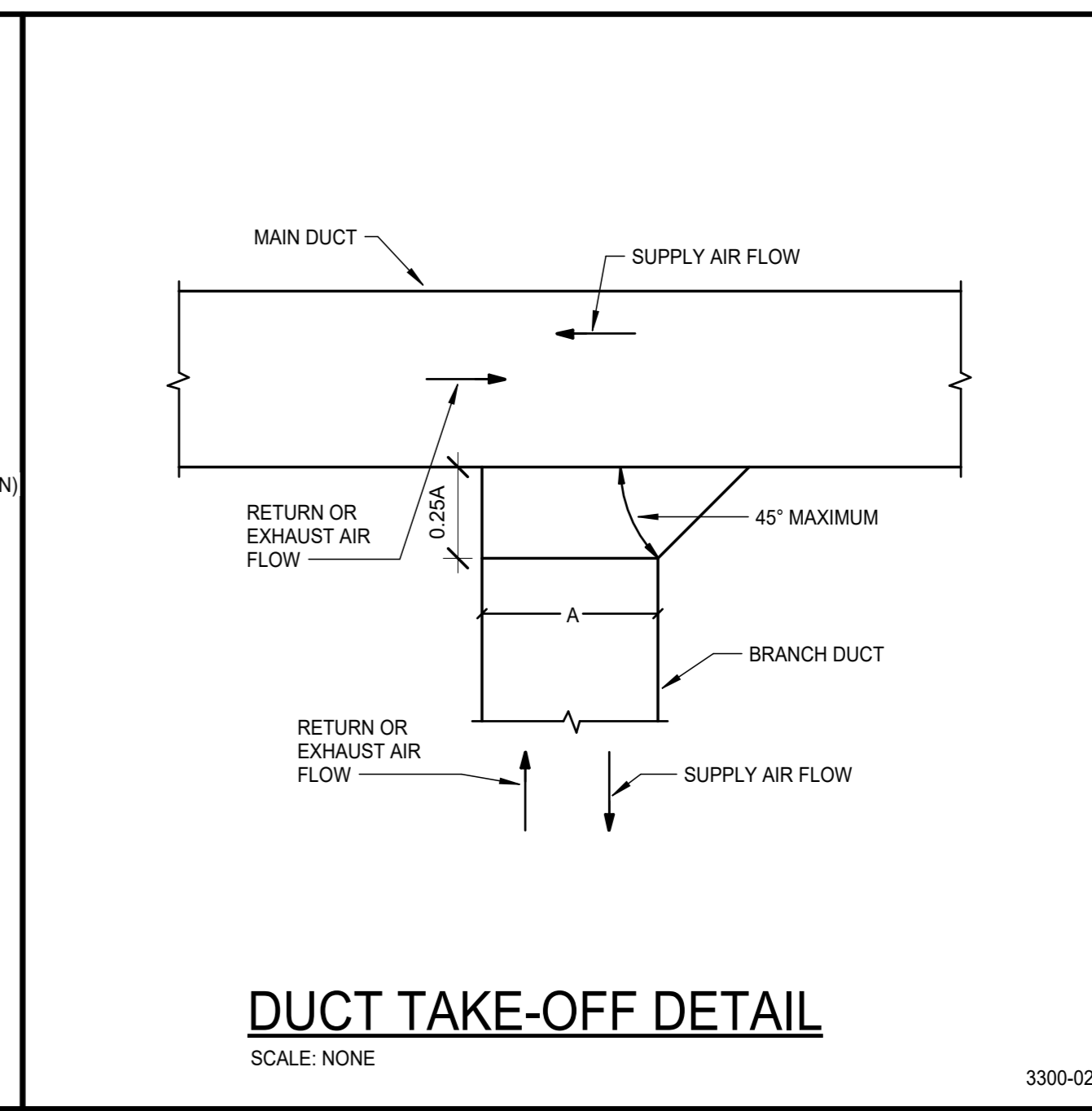
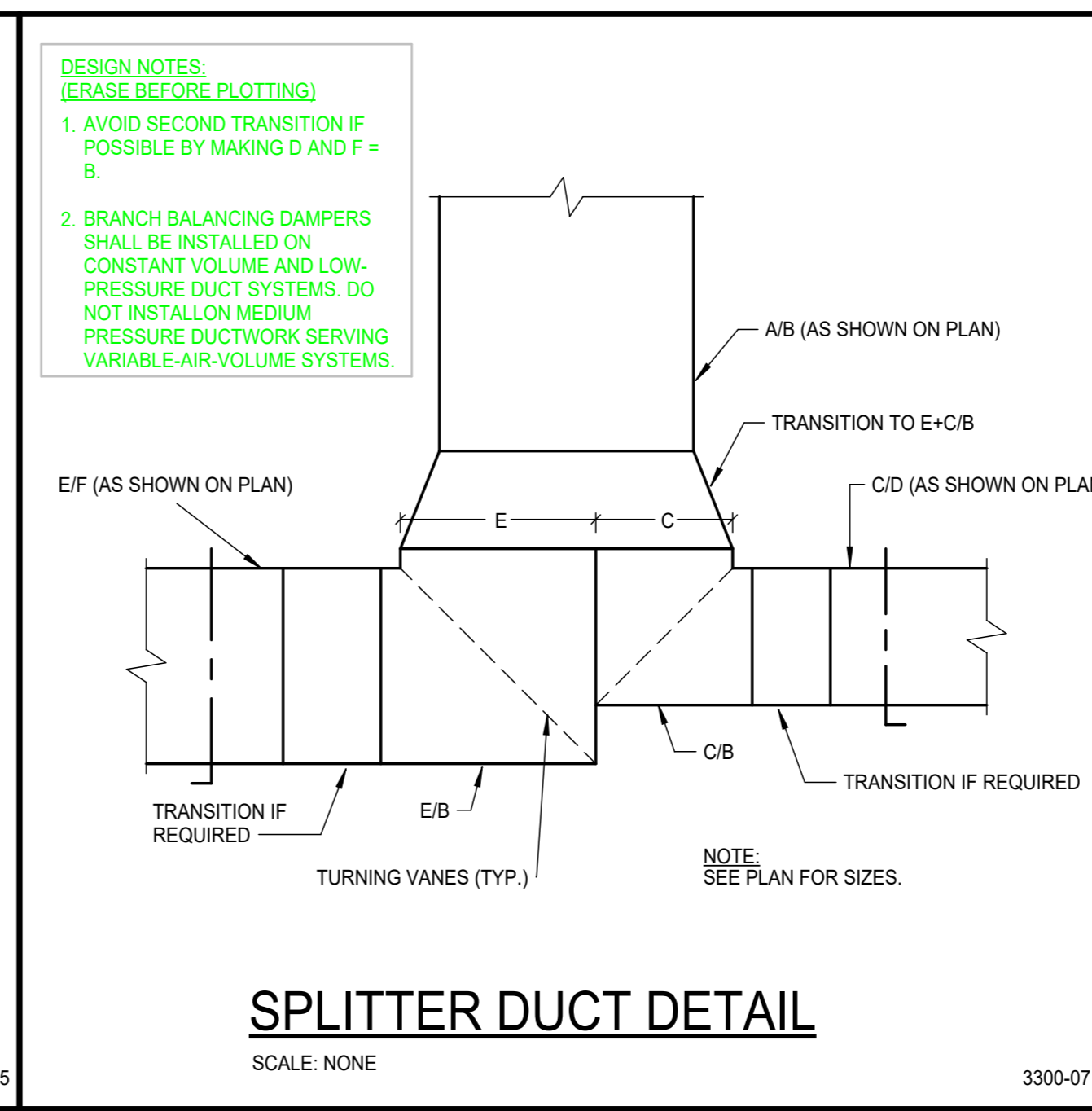
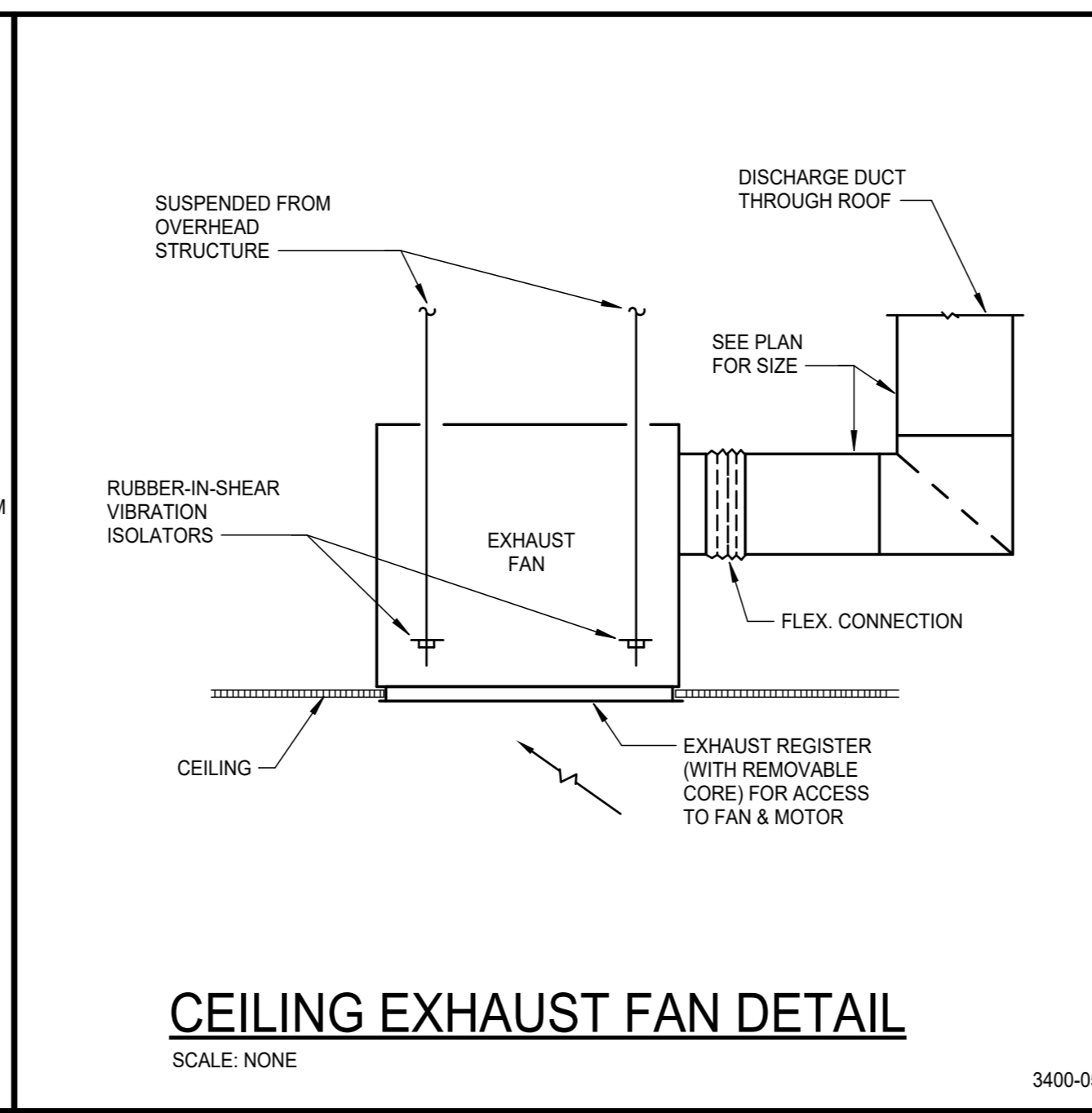
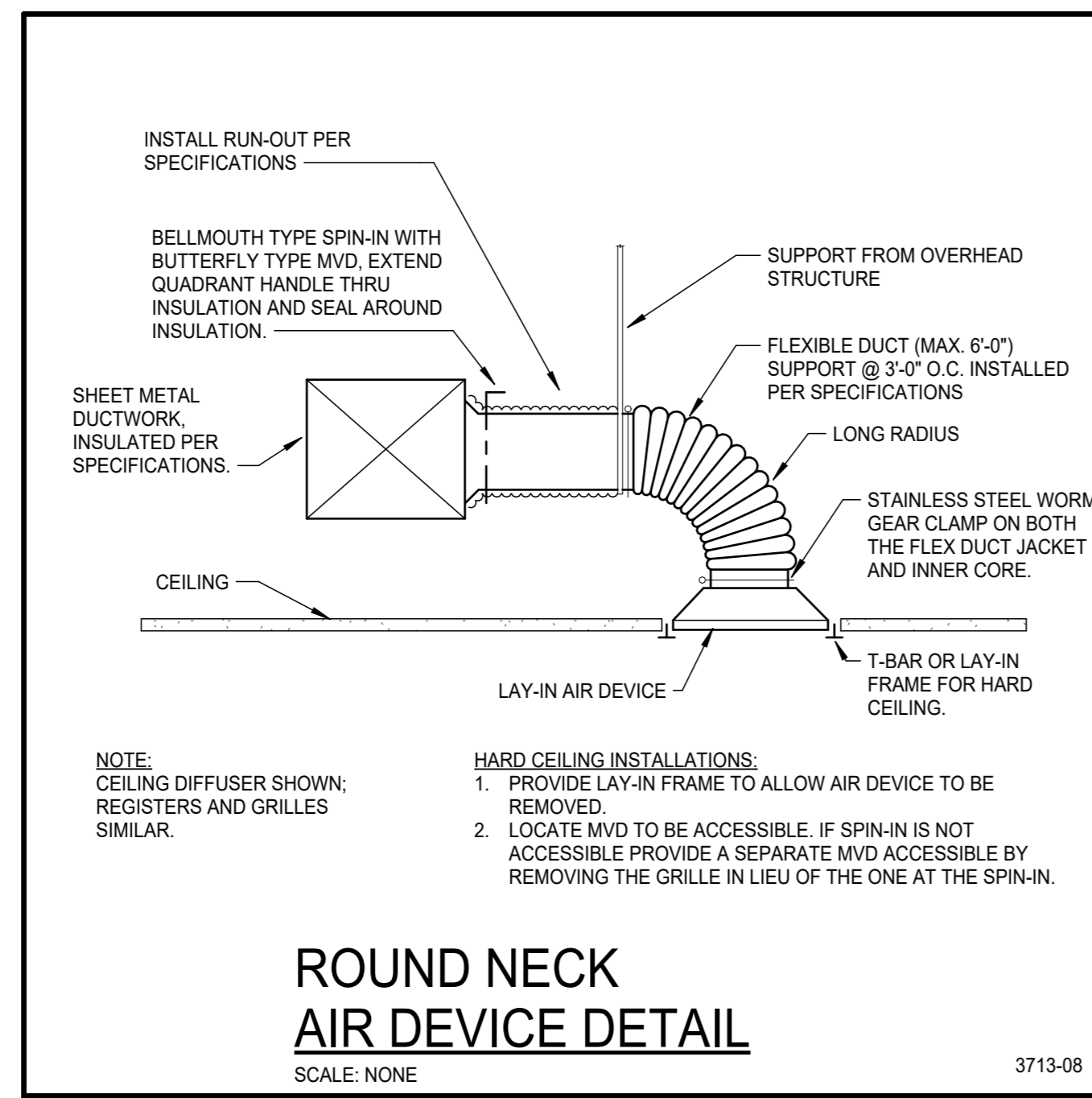
A

B

C

D

E



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivnorthdesign.com

STAMP



Project: TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
Date: 11/22/2022  
Checked By: JLU  
Drawn By: NAH

Sheet Name: MECHANICAL DETAILS

Sheet No: M3.01

A

B

C

D

E

GENERAL LEGEND		GENERAL LEGEND	
(Not all symbols listed below are used on these drawings)		(Not all symbols listed below are used on these drawings)	
ABBR.	SYMBOL	DESCRIPTION	DESCRIPTION
		SECTION DESIGNATION	CAP END OF PIPE
		SECTION CUT ON THIS SHEET	PITCH DOWN IN DIRECTION OF ARROW
		VIEW REFERENCE DESIGNATION	PIPE ANCHOR
		VIEW REFERENCE ON THIS SHEET	PIPE ALIGNMENT GUIDE
		EQUIPMENT UNIT IDENTIFICATION	UNION OR FLANGE
		EQUIPMENT UNIT NUMBER (UNIT SERVED - FLOOR - SEQUENCE #)	EQUIPMENT UNIT IDENTIFICATION
		DIFFUSER IDENTIFICATION	DIFFUSER NECK DIAMETER
		DIFFUSER NECK DIAMETER	DIFFUSER CFM
		DIFFUSER CFM	LINEAR DIFFUSER IDENTIFICATION
		LINEAR DIFFUSER NECK DIAMETER	LINEAR DIFFUSER NECK DIAMETER
		LINEAR DIFFUSER LENGTH	LINEAR DIFFUSER LENGTH
		LINEAR DIFFUSER CFM	FINNED TUBE RADIATOR ACTIVE ELEMENT LENGTH
		FINNED TUBE RADIATOR ACTIVE ELEMENT LENGTH	EQUIPMENT UNIT IDENTIFICATION
		EQUIPMENT UNIT NUMBER	EQUIPMENT UNIT NUMBER
		RADIATOR ENCLOSURE LENGTH (OR W-W-WALL-TO-WALL)	RADIATOR ENCLOSURE LENGTH (OR W-W-WALL-TO-WALL)
		KEY NOTE REFERENCE	KEY NOTE REFERENCE
		KITCHEN/OWNER/MEDICAL EQUIPMENT REFERENCE	KITCHEN/OWNER/MEDICAL EQUIPMENT REFERENCE
		TYPICAL ROOM REFERENCE (TOP = RM #, BOTTOM = FLR)	TYPICAL ROOM REFERENCE (TOP = RM #, BOTTOM = FLR)
		POINT OF CONNECTION, NEW TO EXISTING	POINT OF CONNECTION, NEW TO EXISTING
		POINT OF DISCONNECTION, DEMO	POINT OF DISCONNECTION, DEMO
		DIRECTION OF FLOW IN PIPE	DIRECTION OF FLOW IN PIPE
		DUCTWORK, PIPING AND EQUIPMENT TO BE REMOVED	DUCTWORK, PIPING AND EQUIPMENT TO BE REMOVED
(E)		EXISTING	EXISTING
(N)		NEW	C.A.P.
(R)		RELOCATED	PUMP
(F)		FUTURE	TB
DIA	Ø	DIAMETER	MANUAL AIR VENT
WAD		WALL ACCESS DOOR	AUV
NIC		NOT IN CONTRACT	
AFF		ABOVE FINISHED FLOOR	
GC		GENERAL CONTRACTOR	
MC		MECHANICAL CONTRACTOR	
EC		ELECTRICAL CONTRACTOR	
UNO		UNLESS NOTED OTHERWISE	
C		COMMON	
NC		NORMALLY CLOSED	
NO		NORMALLY OPEN	

PLUMBING LEGEND			
(Not all symbols listed below are used on these drawings)			
ABBR.	SYMBOL	DESCRIPTION	DESCRIPTION
CW		DOMESTIC COLD WATER PIPING	GCO/SCO
HW		DOMESTIC HOT WATER PIPING	FCD
HWC		DOMESTIC HOT WATER CIRC PIPING	WCO
CW-S		SOFTENED DOMESTIC COLD WATER PIPING	CO
HW-S		SOFTENED DOMESTIC HOT WATER PIPING	AD
140°F HW		DOMESTIC HOT WATER PIPING @ TEMP SHOWN	FD
140°F HWC		DOMESTIC HOT WATER CIRC PIPING @ TEMP SHOWN	FS
TW		TEPID WATER PIPING	RD / OD
TWC		TEPID WATER CIRC PIPING	
ICW		INDUSTRIAL COLD WATER PIPING	VB
IHW		INDUSTRIAL HOT WATER PIPING	BFP
IHCW		INDUSTRIAL HOT WATER CIRC PIPING	SA
NPCW		NON-POTABLE COLD WATER PIPING	GC
NPHW		NON-POTABLE HOT WATER PIPING	STG
NPHR		NON-POTABLE HOT WATER CIRC PIPING	BV
V		VENT PIPING	WH
AV		ACID RESISTANT VENT PIPING	HB
W		WASTE PIPING	RH
W		WASTE PIPING BELOW FLOOR	YH
AW		ACID RESISTANT WASTE PIPING	DSN
AW		ACID RESISTANT WASTE PIPING BELOW FLOOR	MH
GW		GREASE WASTE (TO GREASE INTERCEPTOR)	CI
GW		GREASE WASTE PIPING BELOW FLOOR	CB
SD		STORM DRAIN PIPING	VTR
SD		STORM DRAIN PIPING BELOW FLOOR	IE
OD		OVERFLOW DRAIN PIPING	PVC
OD		OVERFLOW DRAIN PIPING BELOW FLOOR	
CA		COMPRESSED AIR	
G		NATURAL GAS PIPING	

GENERAL NOTES:

- WORK INCLUDED IN THE CONTRACT IS DENOTED IN BOLD. EXISTING CONDITIONS TO REMAIN ARE DENOTED LIGHTLY.
- A DETAILED METHOD OF PROCEDURE IS REQUIRED WHEN A CONSTRUCTION ACTIVITY AFFECTS THE SAFETY OF THE OCCUPANTS, OWNERS EQUIPMENT OR VALUABLE CONTENTS OR ANY SYSTEM WHICH SUPPORTS THESE SYSTEMS; OR ESSENTIALLY AFFECTS THE BUILDING MANAGEMENT, OPERATIONS OR SECURITY.
- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK AND SHALL NOTIFY THE ENGINEER/ARCHITECT OF ANY DISCREPANCIES FOR RESOLUTION.
- COORDINATE WORK WITH ALL TRADES.
- CONTRACTOR IS RESPONSIBLE FOR SECURING AND WEATHERPROOFING ANY ROOF OPENING NOT COMPLETED DURING WORKING HOURS.
- COORDINATE ALL PIPING WITH EQUIPMENT, STRUCTURE, ETC.
- CONTRACTOR SHALL NOT SHUT DOWN / TAKE OUT OF SERVICE ANY SYSTEMS WITHOUT FIRST COORDINATING WITH OWNER AND PREPARING M.O.P.

PLUMBING NOTES:

- CONTRACTOR SHALL NOT SHUT-OFF/PLUT OUT OF SERVICE ANY SYSTEMS/SERVICES WITHOUT FIRST COORDINATING WITH OWNER.
- THIS CONTRACTOR SHALL COORDINATE LOCATIONS OF PIPING WITH OTHER TRADES AND ADVISE ARCHITECT/ENGINEER OF ANY POSSIBLE CONFLICTS. VERIFY EXACT LOCATIONS, ELEVATIONS AND DIMENSIONS OF STRUCTURAL MEMBERS AND OPENINGS.
- SEE SPECIFICATIONS FOR WATER HAMMER ARRESTOR SIZING. ALL FLUSH VALVES AND SOLENOID OPERATED EQUIPMENT SHALL HAVE A WATER HAMMER ARRESTOR.
- SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZING TO INDIVIDUAL PLUMBING FIXTURES.
- ALL EXISTING FIXTURES AND EQUIPMENT TO BE REMOVED SHALL HAVE ALL ASSOCIATED PIPING CONTROLS, HANGERS, SUPPORTS AND ANY MISCELLANEOUS ASSOCIATED SERVICE OR PART REMOVED COMPLETELY.
- ALL MEDICAL GAS PIPING SHALL HAVE TOP TAKE-OFFS WHENEVER POSSIBLE.
- REFER TO ARCHITECTURAL DRAWINGS FOR ROOF PENETRATION DETAILS.
- REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE ELEVATIONS AND LOCATIONS.
- INVERT ELEVATIONS SHOWN ARE BASED ON A GROUND FLOOR FINISH ELEVATION OF XXXX.XX.
- SEE ARCHITECTURAL CONSTRUCTION DOCUMENTS FOR DIMENSIONED LOCATION OF PLUMBING FIXTURES AND WALLS.
- PROVIDE CLEANOUTS IN ACCESSIBLE LOCATIONS PER THE PROJECT SPECIFICATIONS AND LOCAL PLUMBING CODES.

FOUNDATION

PLUMBING NOTES:

- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK.
- COORDINATE WORK WITH ALL TRADES.
- SEE ARCHITECTURAL CONSTRUCTION DOCUMENTS FOR EXACT LOCATION OF PLUMBING FIXTURES AND WALLS.
- PROVIDE A WALL CLEANOUT ON ALL VERTICAL VENT PIPING SERVING BELOW GRADE HORIZONTAL WASTE PIPING.



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



CATOR | RUMA  
& ASSOCIATES, C.O.  
420 South Orchard Street, Boise, ID 83705  
(208) 343-3663 • www.catorrumba.com

Project:  
TWIN FALLS TRAINING FACILITY  
420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
Date: 11/22/2022  
Checked By: Checker  
Drawn By: Author

Sheet Name:

PLUMBING LEGENDS  
& NOTES

Sheet No:

P0.01

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

STAMP

Project: TWIN FALLS TRAINING FACILITY 420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029 Date: 11/22/2022 Checked By: Checker Drawn By: Author

Sheet Name:

PLUMBING SCHEDULES

Sheet No:

P0.02

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

PLUMBING FIXTURE SCHEDULE table with columns: DESIG., FIXTURE NAME, FIXTURE DESCRIPTION, MANUFACTURER, MODEL, SIZE, TRIM, ELECTRICAL ACCESSORY REQUIREMENTS, FLOW, WASTE, VENT, CW, HW, REMARKS.

DOMESTIC WATER HEATER AND STORAGE TANK SCHEDULE table with columns: DESIG., NAME, NO., MFR., MODEL, LOCATION, EFFICIENCY RATING, INPUT AT S.L., OUTPUT AT S.L., OUTPUT AT ELEV., PRESSURE, RECOVERY RATE, TEMP RISE, EWT, LWT, STORAGE CAPACITY, ELECTRICAL, SIZE, OPER WEIGHT, REMARKS.

DOMESTIC HOT WATER THERMAL EXPANSION TANK SCHEDULE table with columns: DESIG., NAME, NO., TYPE, MANUFACTURER, MODEL, TANK, SIZE, WEIGHT, REMARKS.

PLUMBING PUMP SCHEDULE table with columns: DESIG., TYPE, NO., MFR., MODEL, PUMP TYPE, SERVICE, PIPE SIZE, MAX PUMP OPER, GPM, TOTAL DYNAMIC HEAD, RPM, VOLTAGE, PHASE, REMARKS.

PLUMBING SPECIALTY SCHEDULE table with columns: DESIG., FIXTURE TYPE, LOCATION, MANUFACTURER, MODEL #, REMARKS.

A

B

C

D

E

1

2

3

4

5

6

A

B

C

D

E

KEYNOTES	
P3	WATTS LF209 RPBP DRAINS INTO FLOOR SINK
P4	0.5 PSI GAS METER. COORDINATE WITH INTERMOUNTAIN GAS. GAS SERVICE LINE SHALL BE SLEEVED UP TO 6" ABOVE FINISHED GRADE FOR VENTING TO ATMOSPHERE.
P5	ROUTE 1/2" CW TO ICE MAKER. PROVIDE WITH WATTS LF108 REDUCED PRESSURE BACKFLOW PREVENTER. DRAIN TO FLOOR SINK.

BUILDING NATURAL GAS LOAD SUMMARY		
TAG	EQUIPMENT DESCRIPTION	MBH
WH-1	WATER HEATER	199
GRH-1	GAS RADIANT HEATER	75
GRH-2	GAS RADIANT HEATER	75
GRH-3	GAS RADIANT HEATER	75
GRH-4	GAS RADIANT HEATER	75
GUH-1	GAS UNIT HEATER	75
F-1	FURNACE	100
<b>TOTAL</b>		<b>674</b>



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivnorthdesign.com

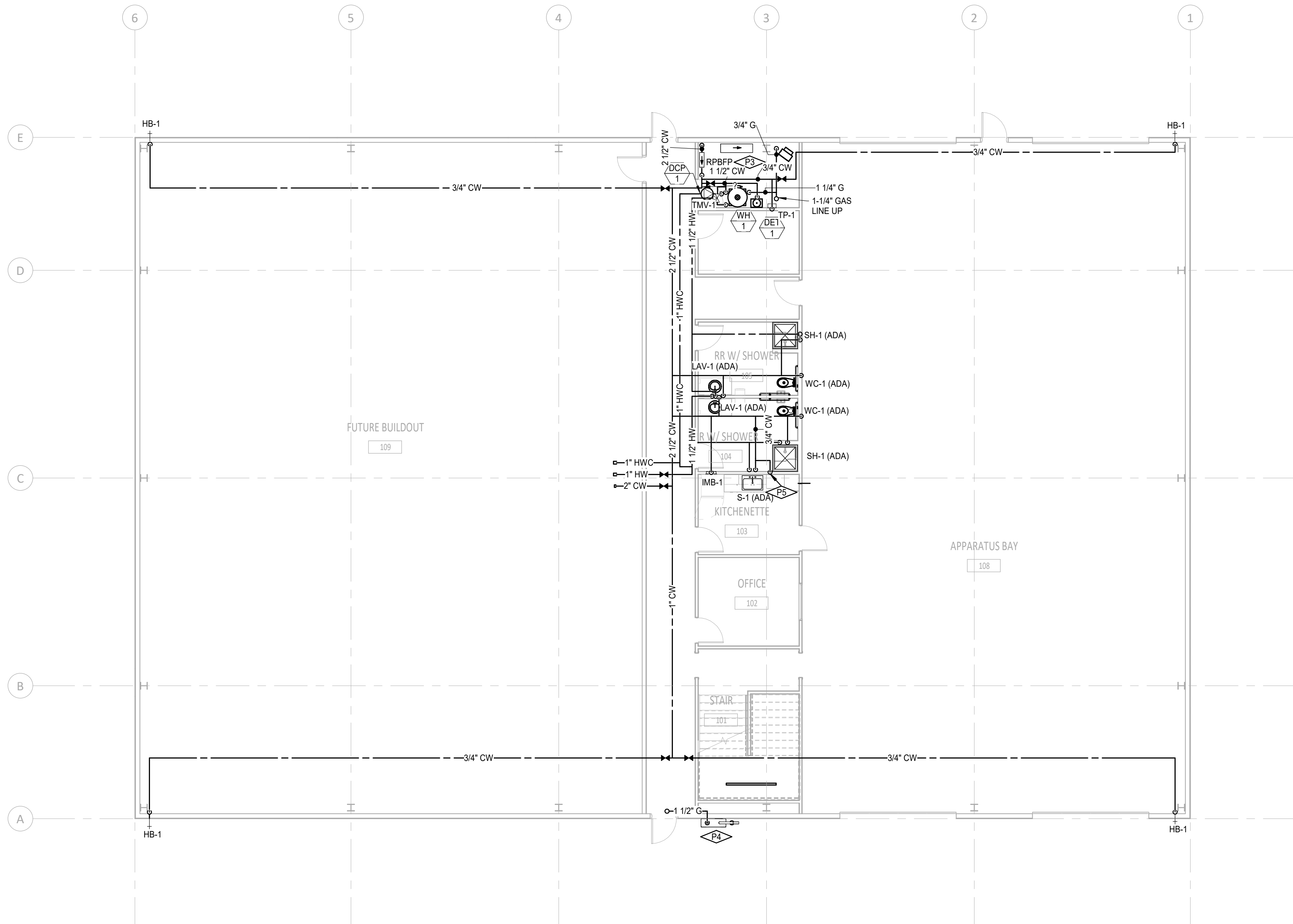
STAMP



CATOR | RUMA  
& ASSOCIATES, C.O.  
420 South Orchard Street, Boise, ID 83705  
(208) 343-3663 • www.catorrumba.com

Project:  
TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593



**LEVEL 1 - DOMESTIC WATER PLAN**  
SCALE: 1/8" = 1'-0"

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No:	19-029
Date:	11/22/2022
Checked By:	Checker
Drawn By:	Author

Sheet Name:  
**LEVEL 1 - DOMESTIC WATER PLAN**

Sheet No:  
**P2.01**

1

2

3

4

5

6

KEYNOTES



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project:  
TWIN FALLS TRAINING FACILITY

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
Date: 11/22/2022  
Checked By: Checker  
Drawn By: Author

Sheet Name:  
LEVEL 2 - DOMESTIC  
WATER PLAN

Sheet No:

P2.02

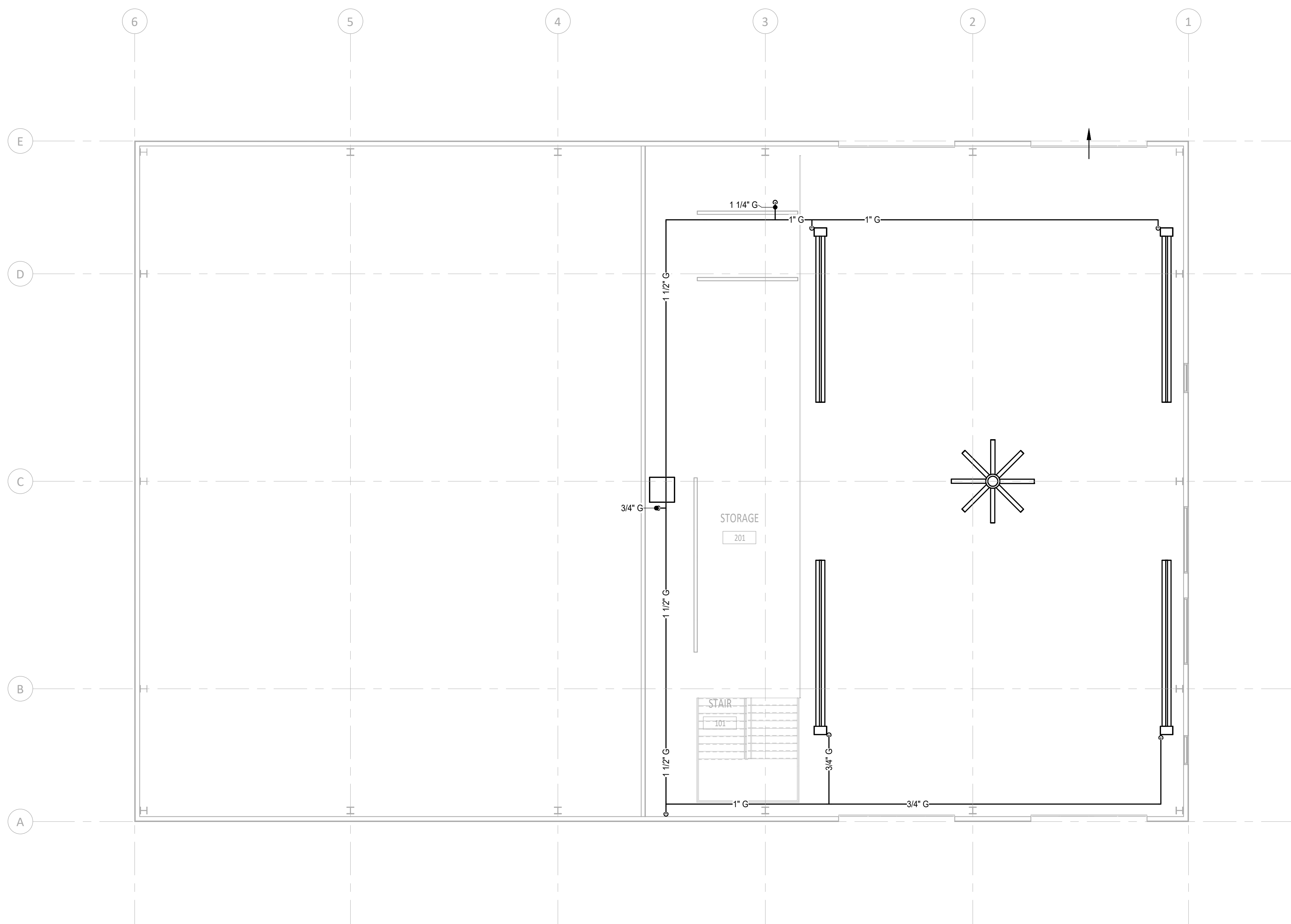
A

B

C

D

E



LEVEL 2 - DOMESTIC WATER PLAN  
SCALE: 1/8" = 1'-0"

1"  
IF LINE DOES NOT MEASURE 1 INCH,  
DRAWING IS NOT TO SCALE

1

2

3

4

5

6

A

B

C

D

E

KEYNOTES	
P1	1,000 GALLON SAND AND OIL INTERCEPTOR. SEE INTERCEPTOR DETAIL ON SHEET PS-01 FOR MORE INFORMATION.



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



**CATOR | RUMA**  
& ASSOCIATES, C.O.  
420 South Orchard Street, Boise, ID 83705  
(208) 343-3663 • www.catorruma.com

Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

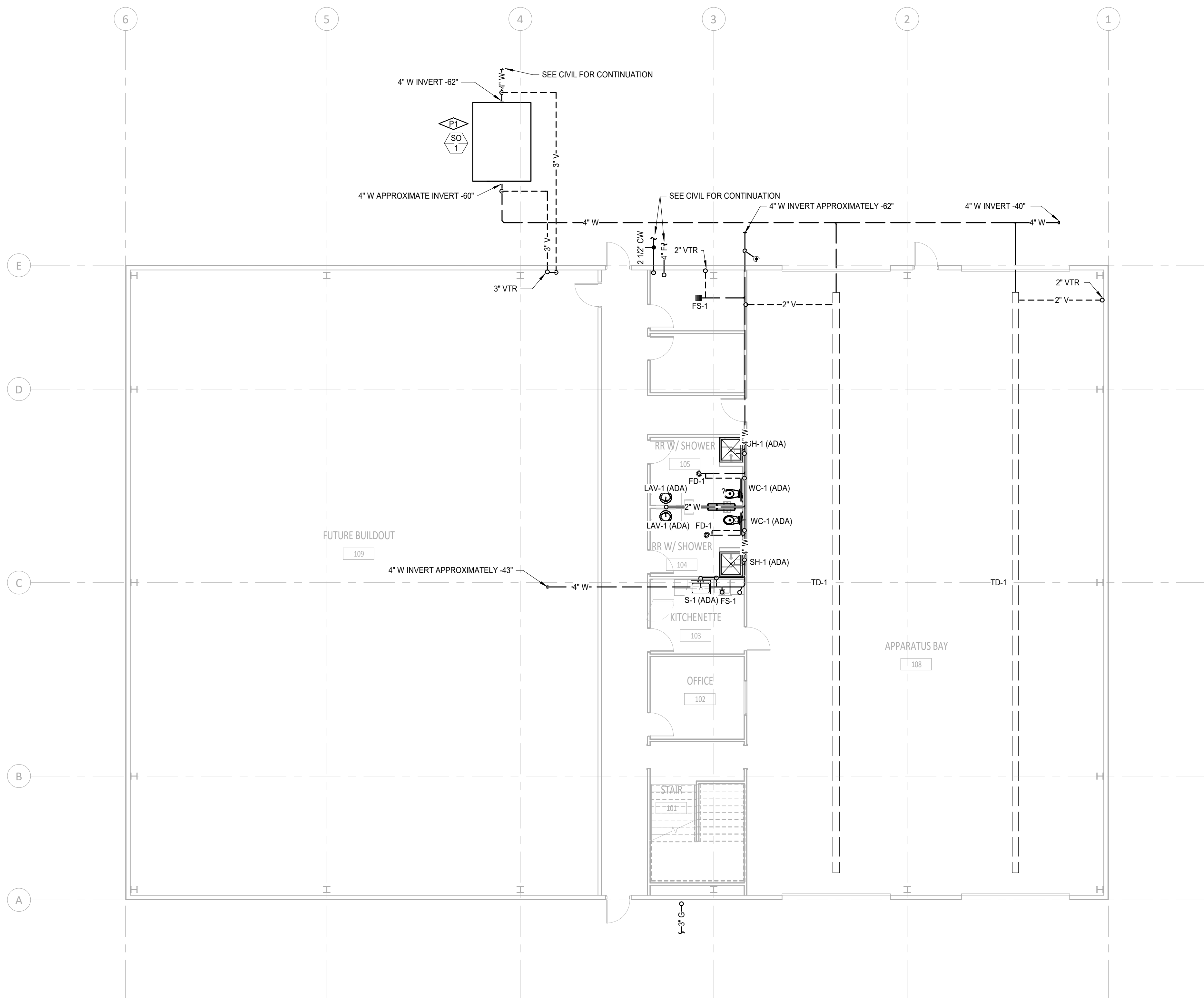
100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
Date: 11/22/2022  
Checked By: Checker  
Drawn By: Author

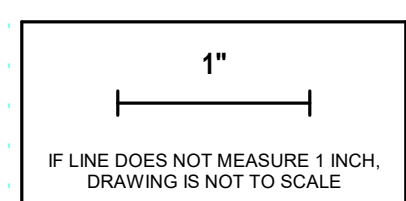
Sheet Name:  
**FOUNDATION - WASTE & VENT PLAN**

Sheet No:

**P2.10**



**FOUNDATION - WASTE & VENT PLAN**  
SCALE: 1/8" = 1'-0"



11/23/2022 2:47:56 PM  
P:\Hanna\2020\2020-481 Twin Falls Fire Training Facility\Cad



1

2

3

4

5

6

KEYNOTES

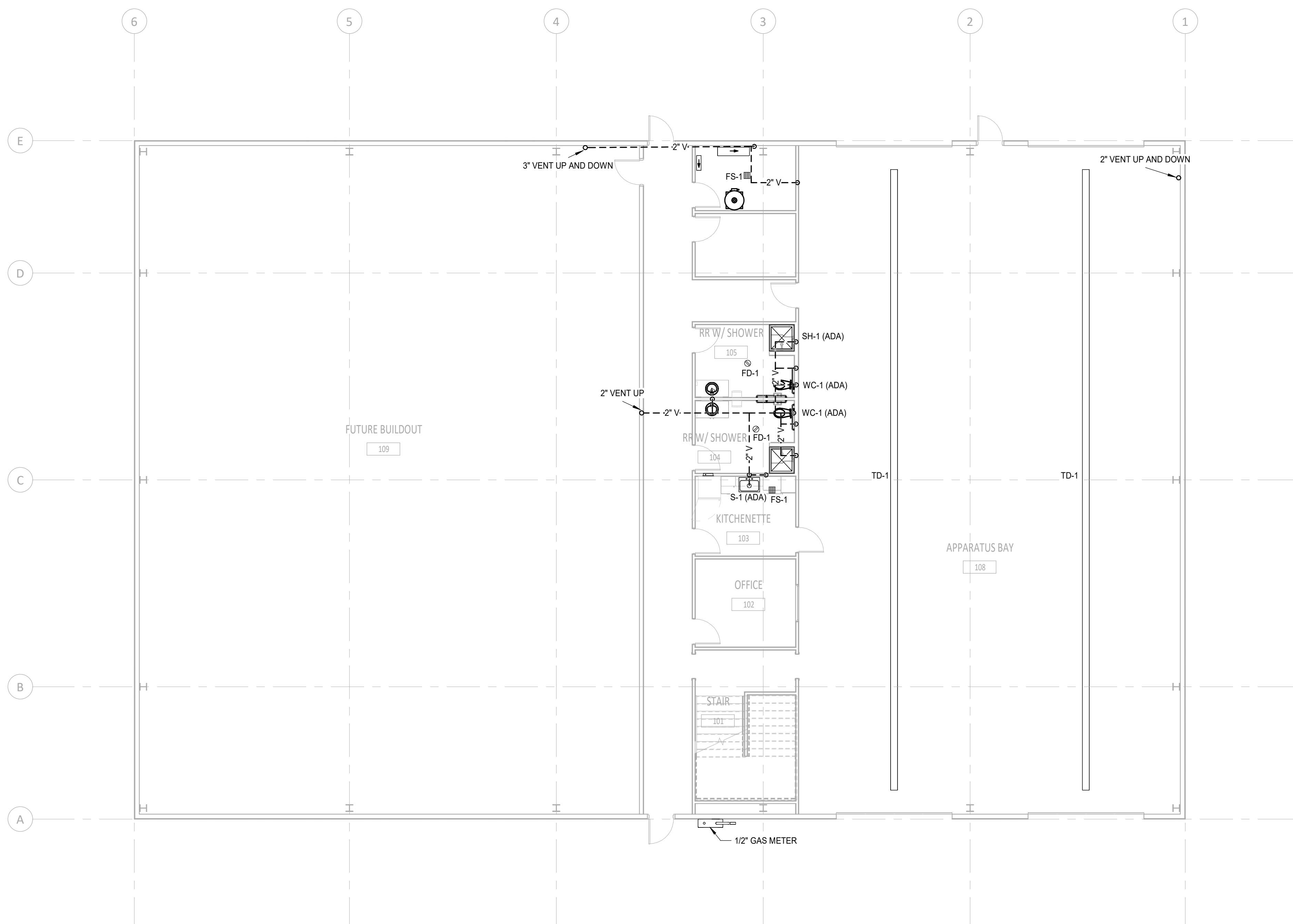
A

B

C

D

E




**LEVEL 1 - WASTE & VENT PLAN**  
 SCALE: 1/8" = 1'-0"



PIVOT NORTH ARCHITECTURE, PLLC.  
 116 S. 6TH STREET  
 BOISE, ID 83702  
 www.pivnorthdesign.com

STAMP



**Project:**  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
 Date: 11/22/2022  
 Checked By: Checker  
 Drawn By: Author

**Sheet Name:**  
**LEVEL 1 - WASTE & VENT PLAN**

Sheet No:  
**P2.11**

1

2

3

4

5

6

A

B

C

D

E

KEYNOTES	
P2	GRAVITY DRAIN CONDENSATE FULL SIZED FROM FURNACE DOWN INTO NEAREST SINK WYE. TAILPIECE IN RESTROOM BELOW USING A COPPER DRAIN PIPE. ENSURE FURNACE CONDENSATE IS ROUTED THROUGH ACID NEUTRALIZATION KIT PRIOR TO DRAIN.



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



Project:  
**TWIN FALLS TRAINING FACILITY**

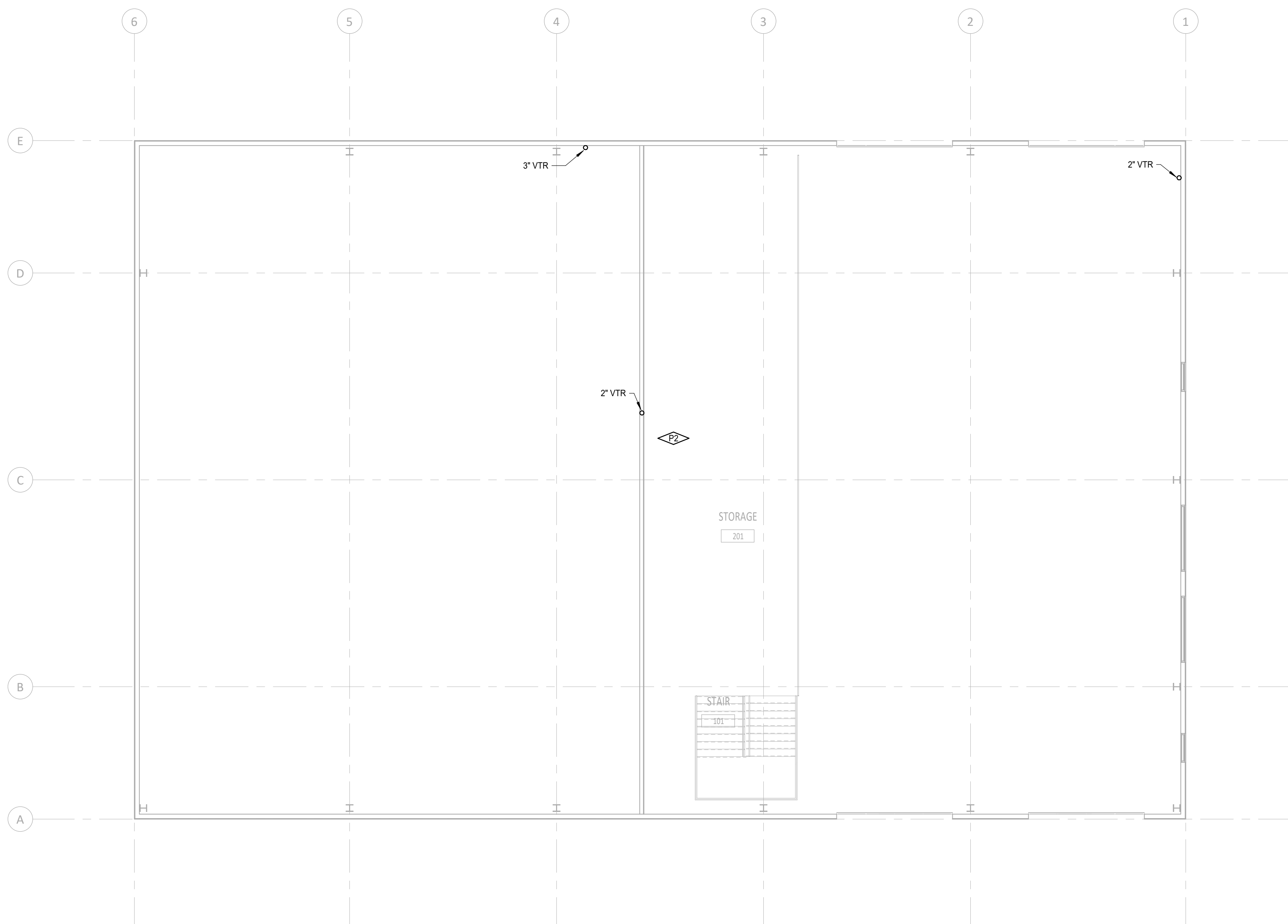
420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No:	19-029
Date:	11/22/2022
Checked By:	Checker
Drawn By:	Author

Sheet Name:  
**LEVEL 2 - WASTE & VENT PLAN**

Sheet No:	<b>P2.12</b>
-----------	--------------

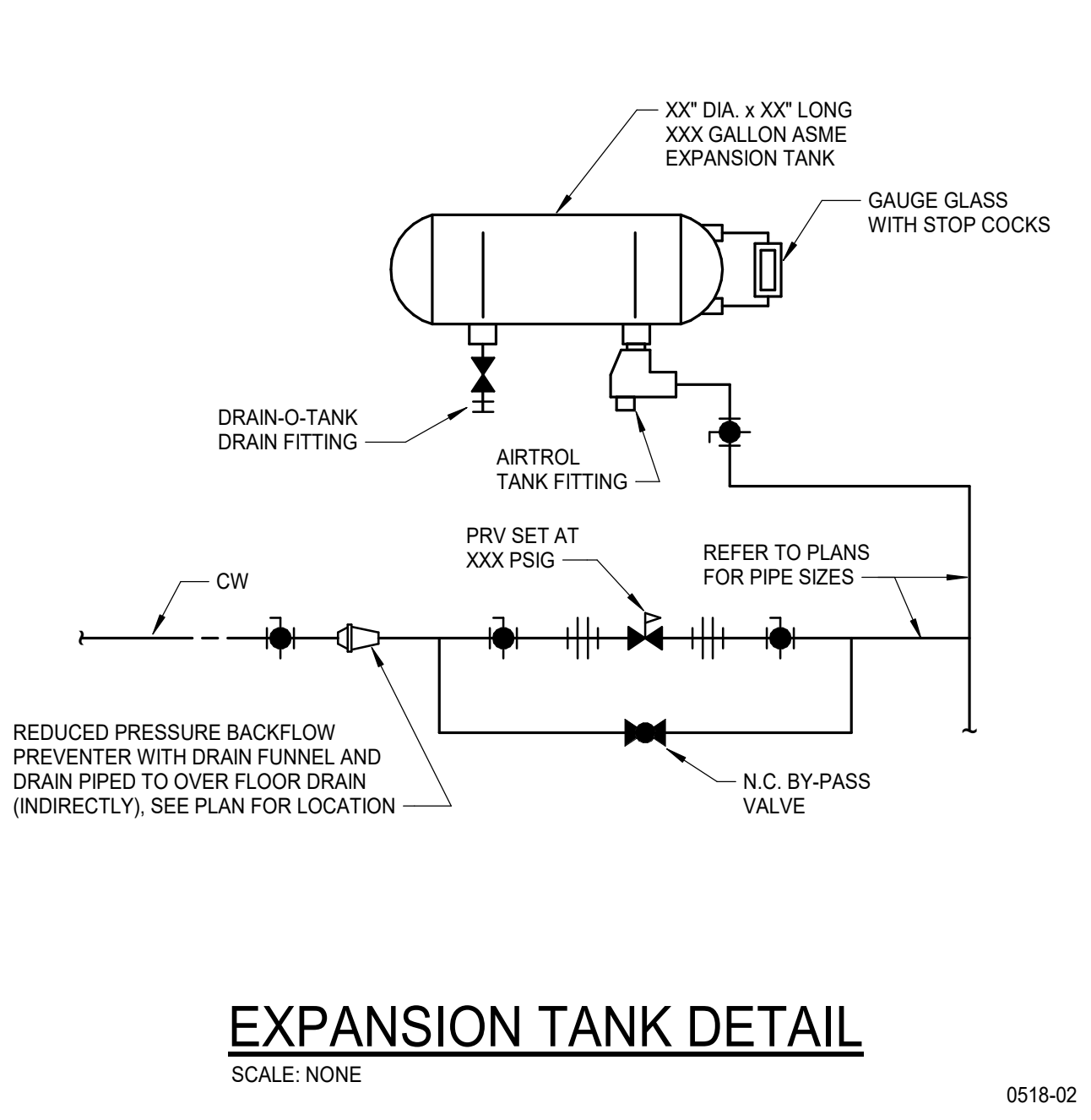


**LEVEL 2 - WASTE & VENT PLAN**  
SCALE: 1/8" = 1'-0"

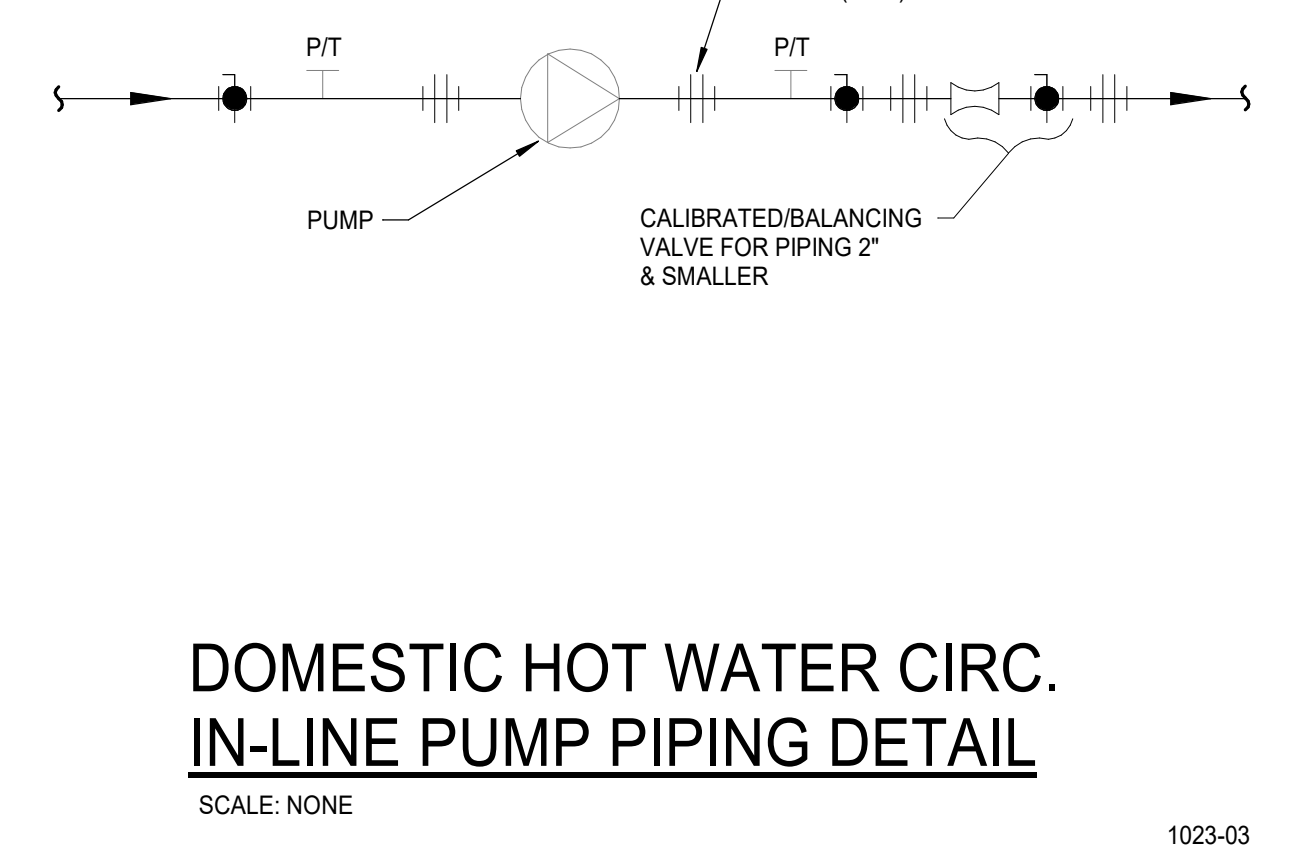
1"  
IF LINE DOES NOT MEASURE 1 INCH,  
DRAWING IS NOT TO SCALE

11/23/2022 2:47:37 PM  
P:\Hanna\2020\2020-481 Twin Falls Fire Training Facility\Cad

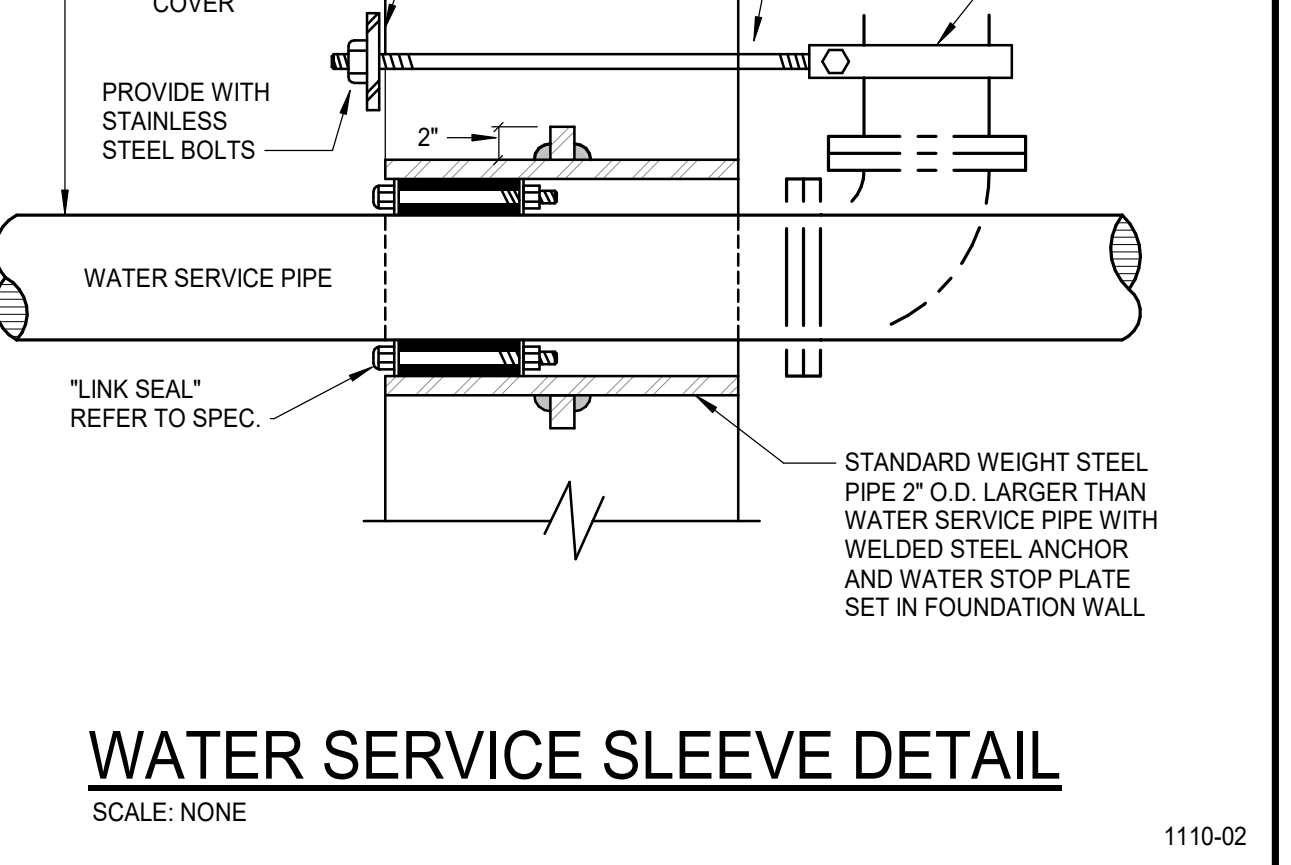
A



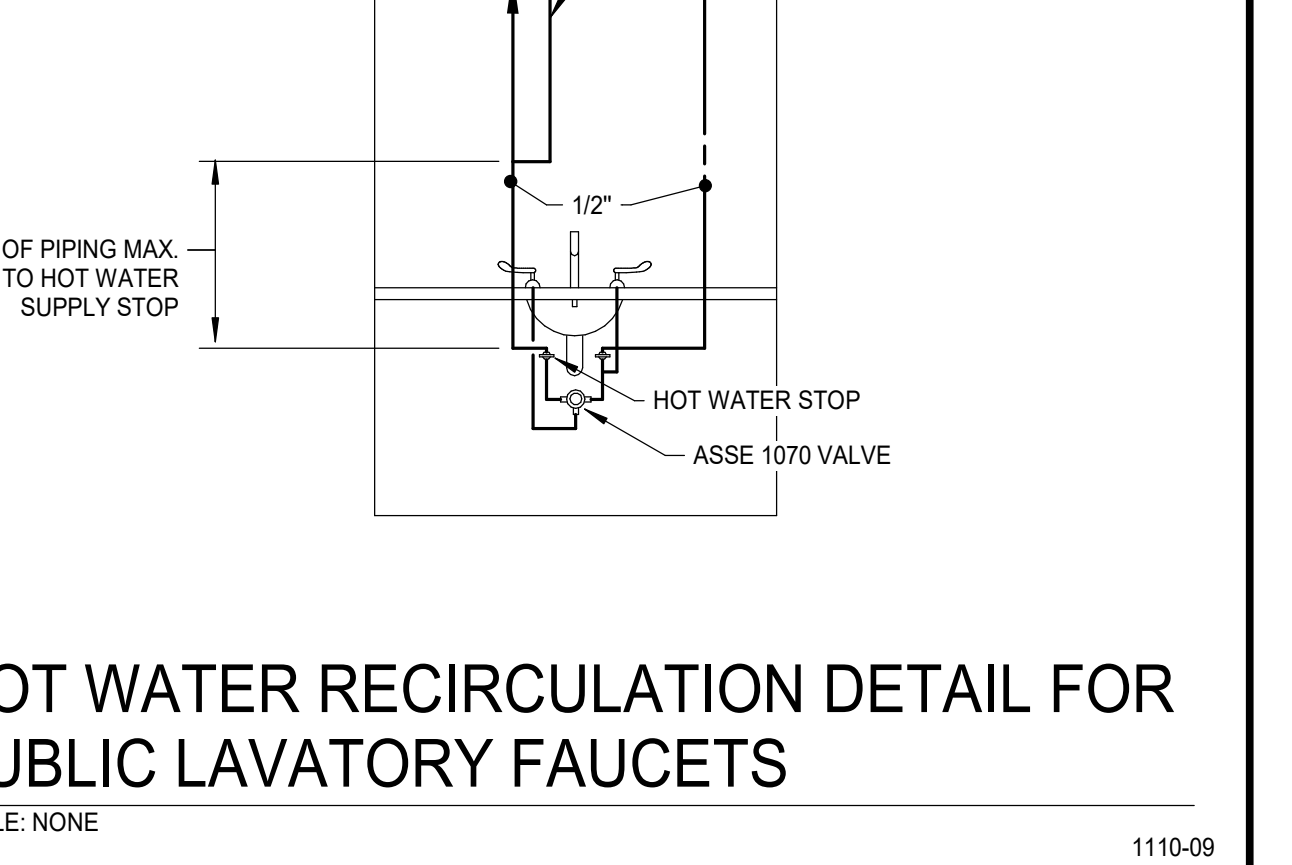
DOMESTIC HOT WATER CIRC. IN-LINE PUMP PIPING DETAIL



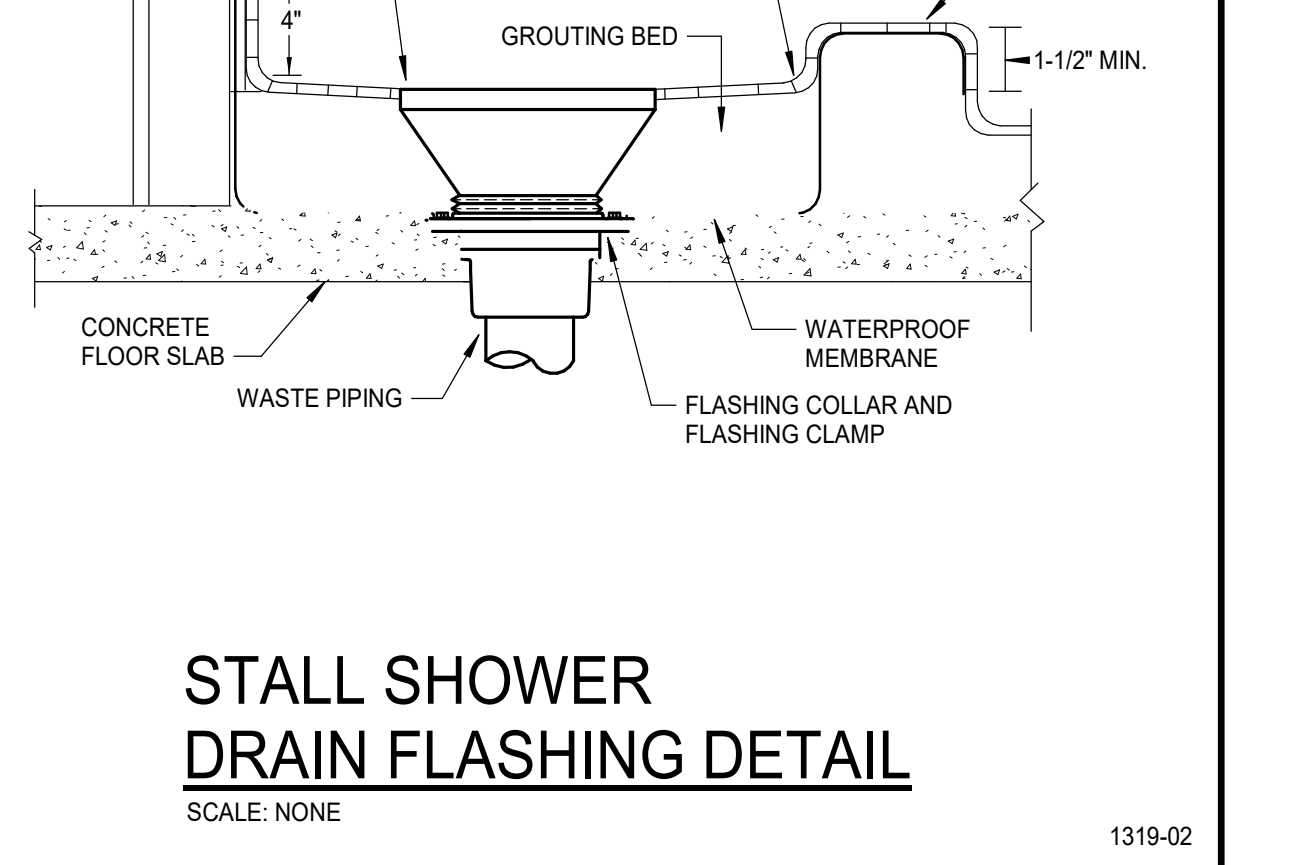
WATER SERVICE SLEEVE DETAIL



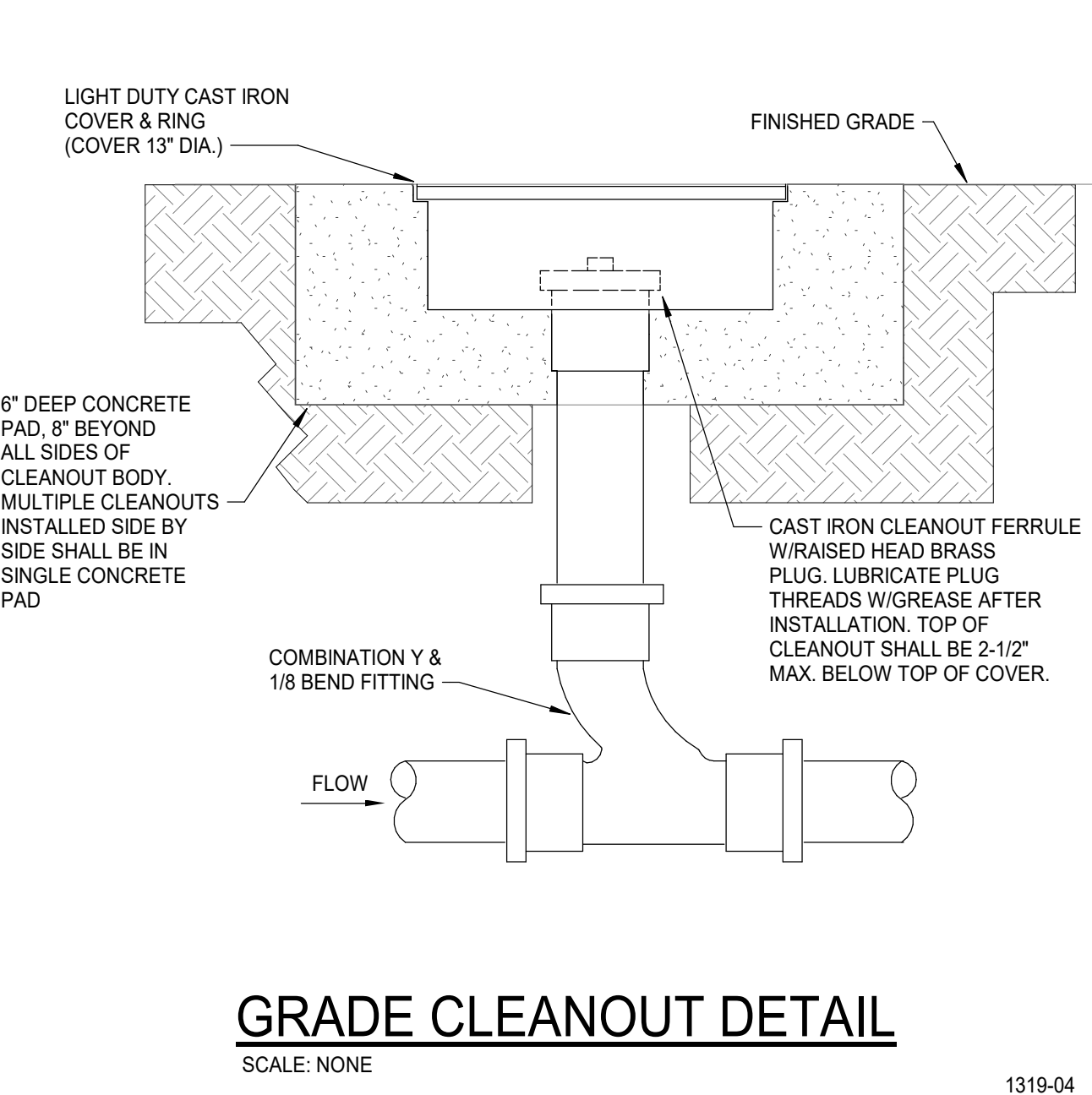
HOT WATER RECIRCULATION DETAIL FOR PUBLIC LAVATORY FAUCETS



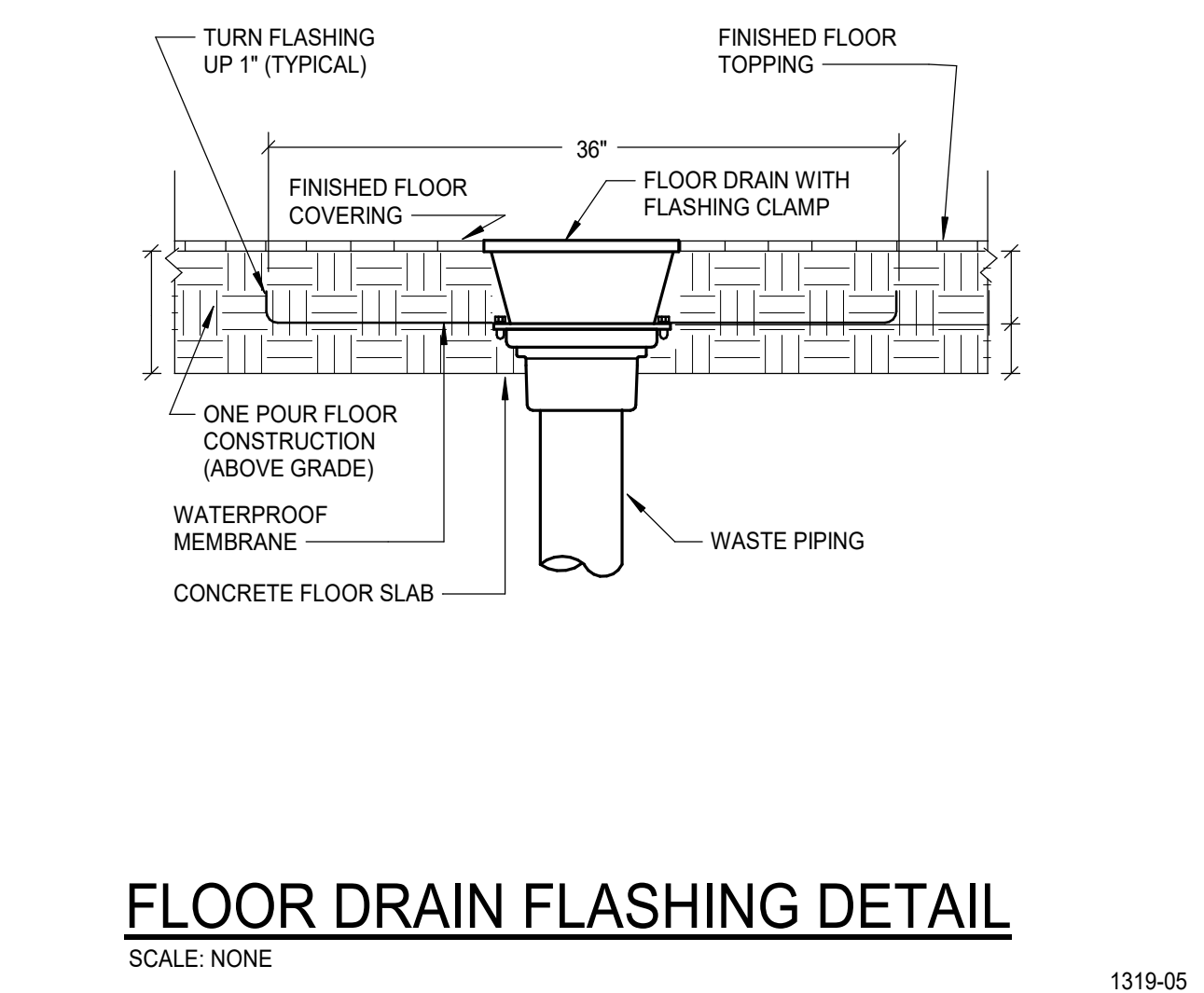
STALL SHOWER DRAIN FLASHING DETAIL



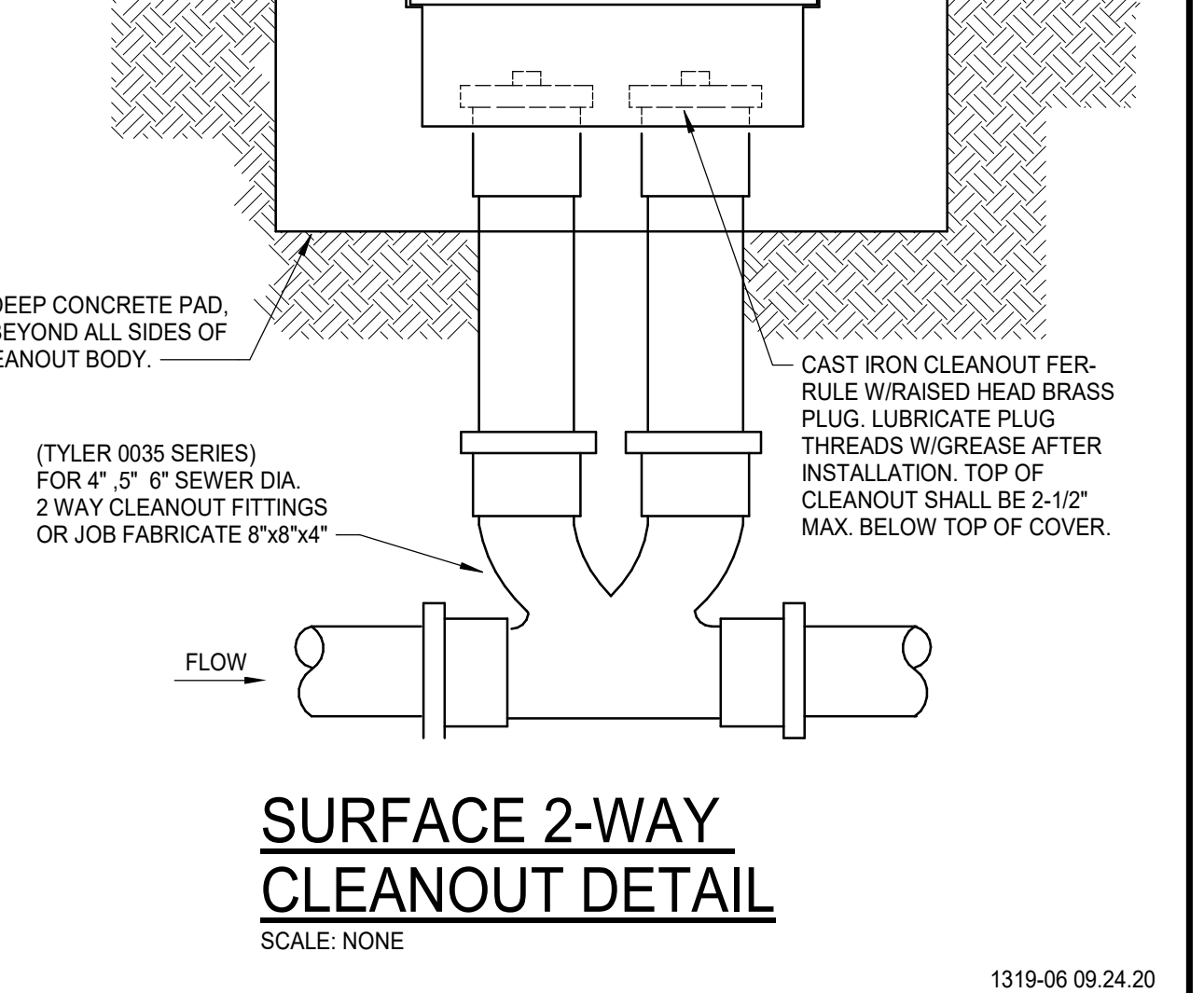
B



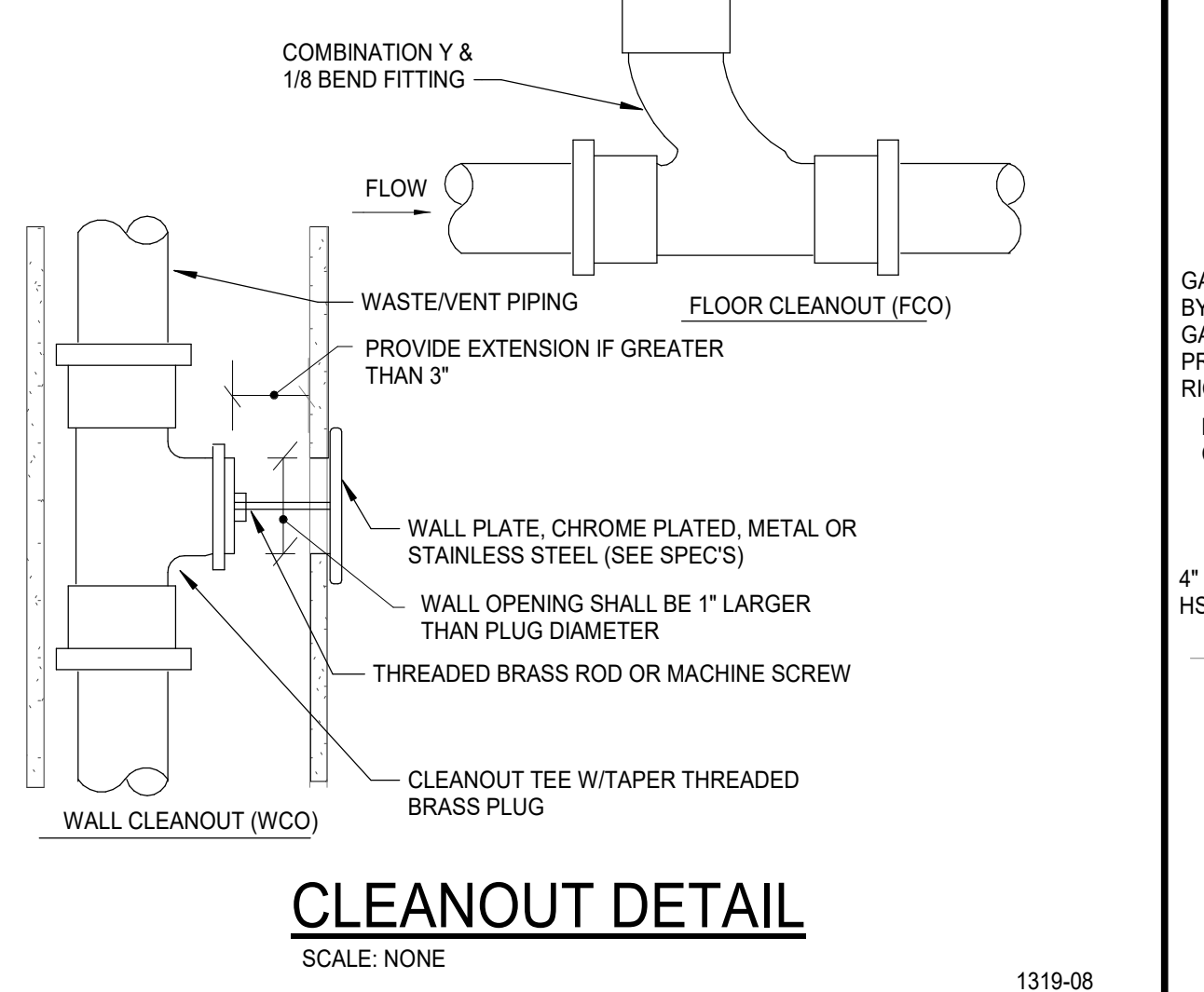
FLOOR DRAIN FLASHING DETAIL



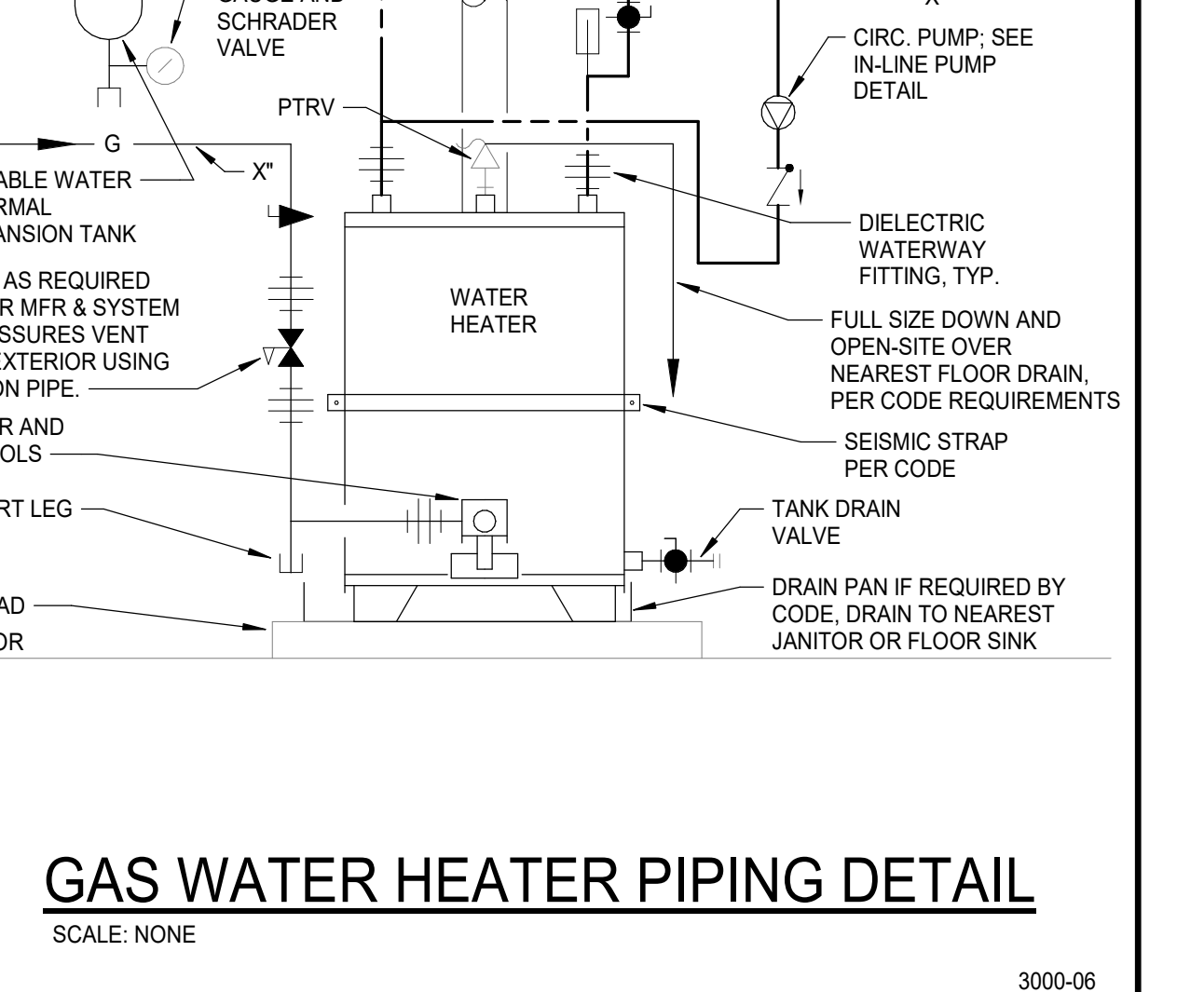
SURFACE 2-WAY CLEANOUT DETAIL



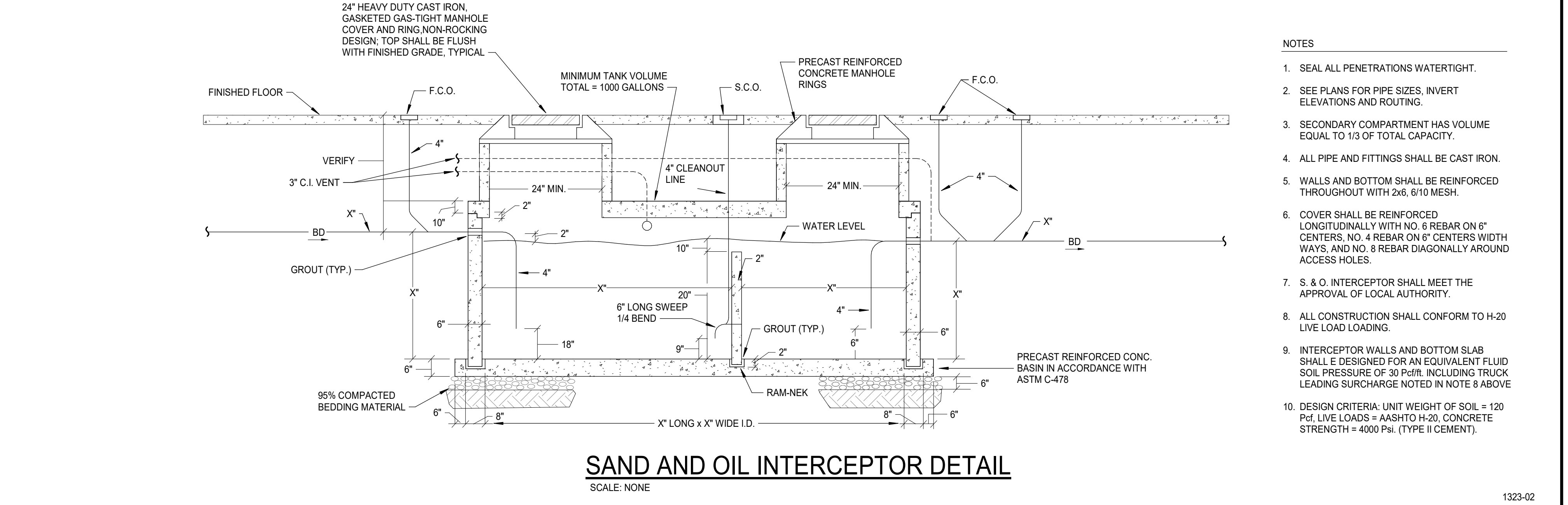
CLEANOUT DETAIL



GAS WATER HEATER PIPING DETAIL

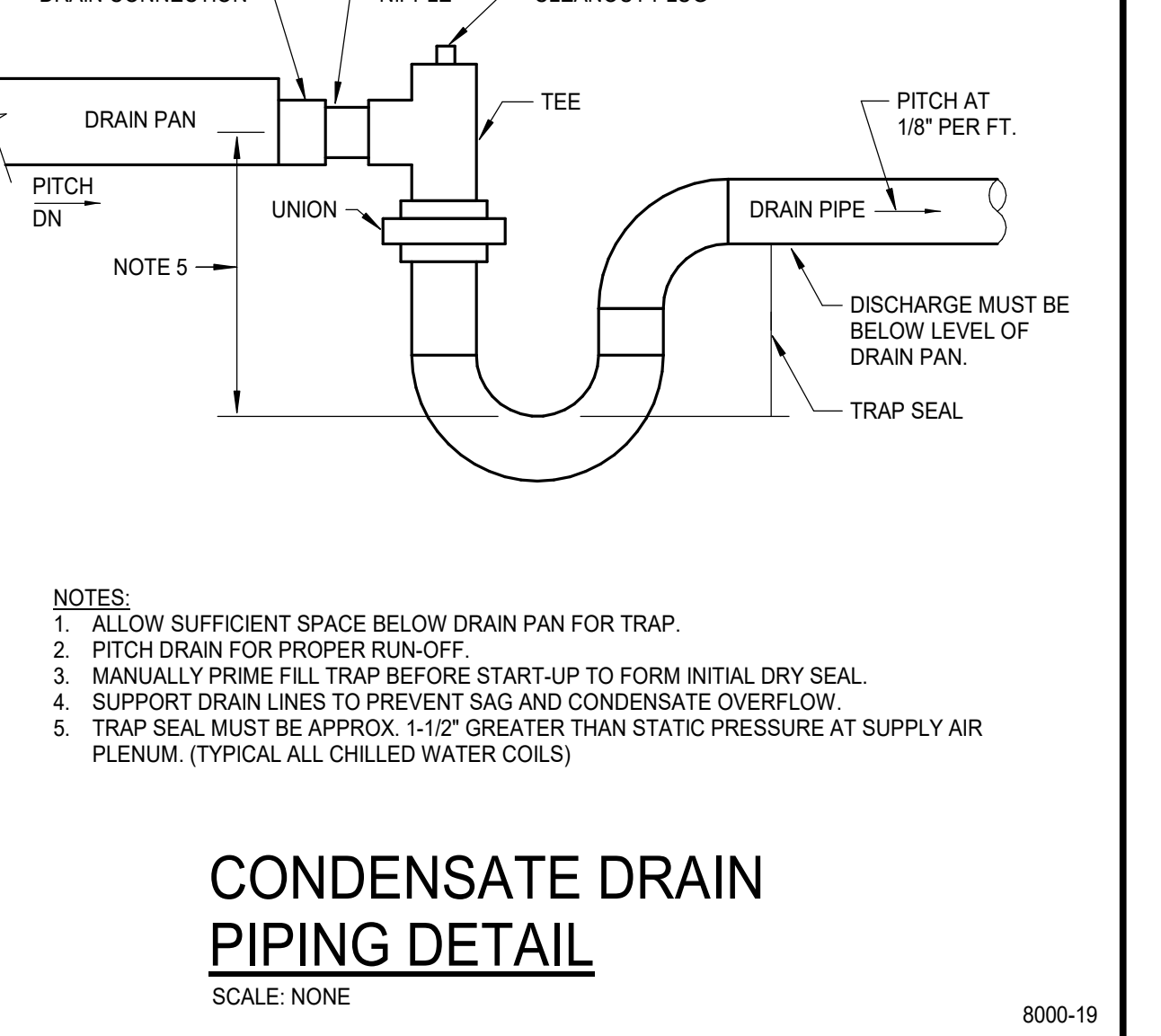


C

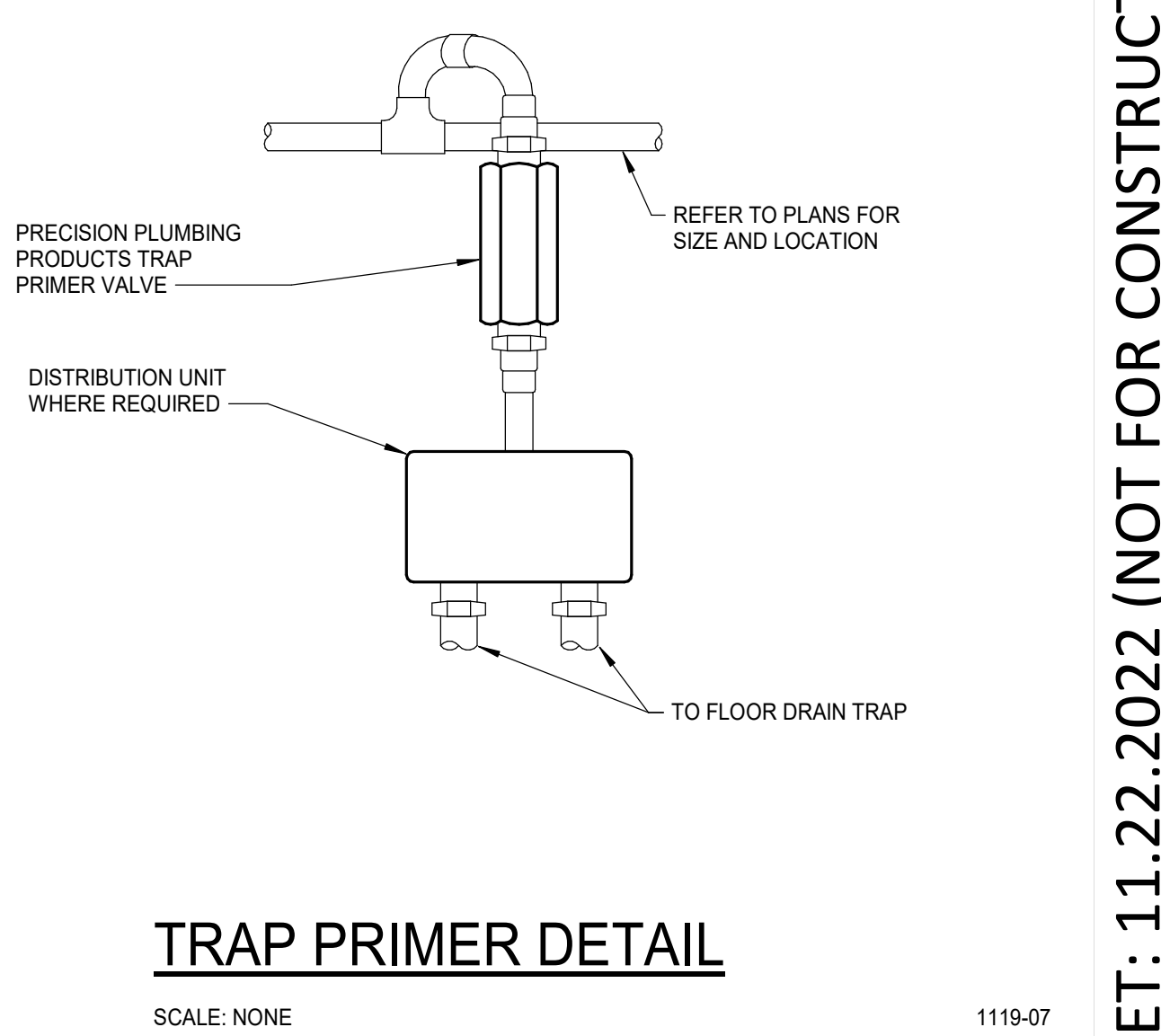


- NOTES
1. SEAL ALL PENETRATIONS WATERTIGHT.
  2. SEE PLANS FOR PIPE SIZES, INVERT ELEVATIONS AND ROUTING.
  3. SECONDARY COMPARTMENT HAS VOLUME EQUAL TO 1/3 OF TOTAL CAPACITY.
  4. ALL PIPE AND FITTINGS SHALL BE CAST IRON.
  5. WALLS AND BOTTOM SHALL BE REINFORCED THROUGHOUT WITH 2x6 #10 MESH.
  6. COVER SHALL BE REINFORCED LONGITUDINALLY WITH NO. 6 REBAR ON 6" CENTERS, NO. 4 REBAR ON 6" CENTERS WIDTH WAYS, AND NO. 8 REBAR DIAGONALLY AROUND ACCESS HOLES.
  7. S. & O. INTERCEPTOR SHALL MEET THE APPROVAL OF LOCAL AUTHORITY.
  8. ALL CONSTRUCTION SHALL CONFORM TO H-20 LIVE LOAD LOADING.
  9. INTERCEPTOR WALLS AND BOTTOM SLAB SHALL BE DESIGNED FOR AN EQUIVALENT FLUID SOIL PRESSURE OF 30 P.S.F. INCLUDING TRUCK LEADING SURCHARGE NOTED IN NOTE 8 ABOVE.
  10. DESIGN CRITERIA UNIT WEIGHT OF SOIL = 120 Pcf, LIVE LOADS = AASHTO H-20, CONCRETE STRENGTH = 4000 P.S.I. (TYPE I CEMENT).

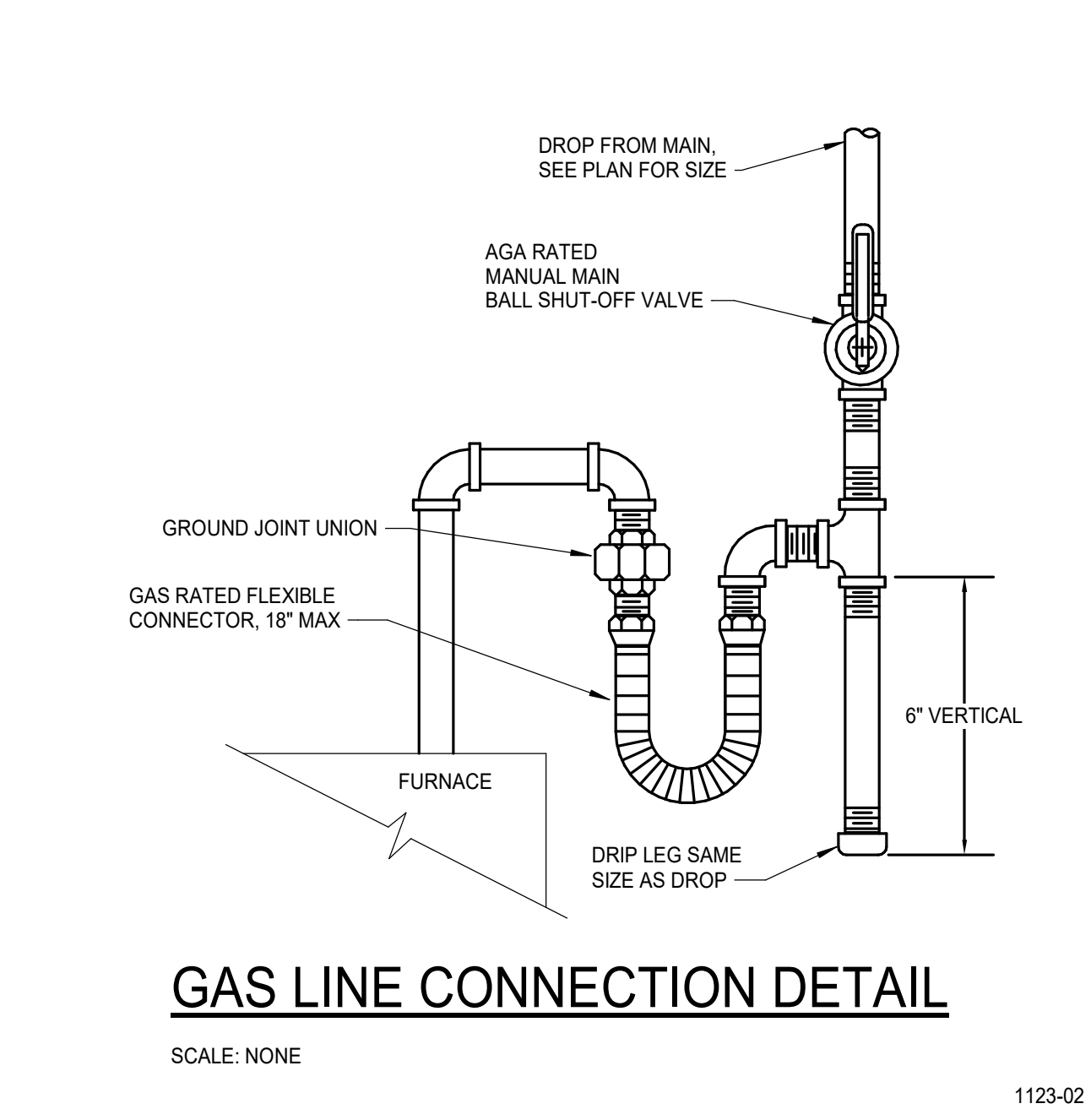
CONDENSATE DRAIN PIPING DETAIL



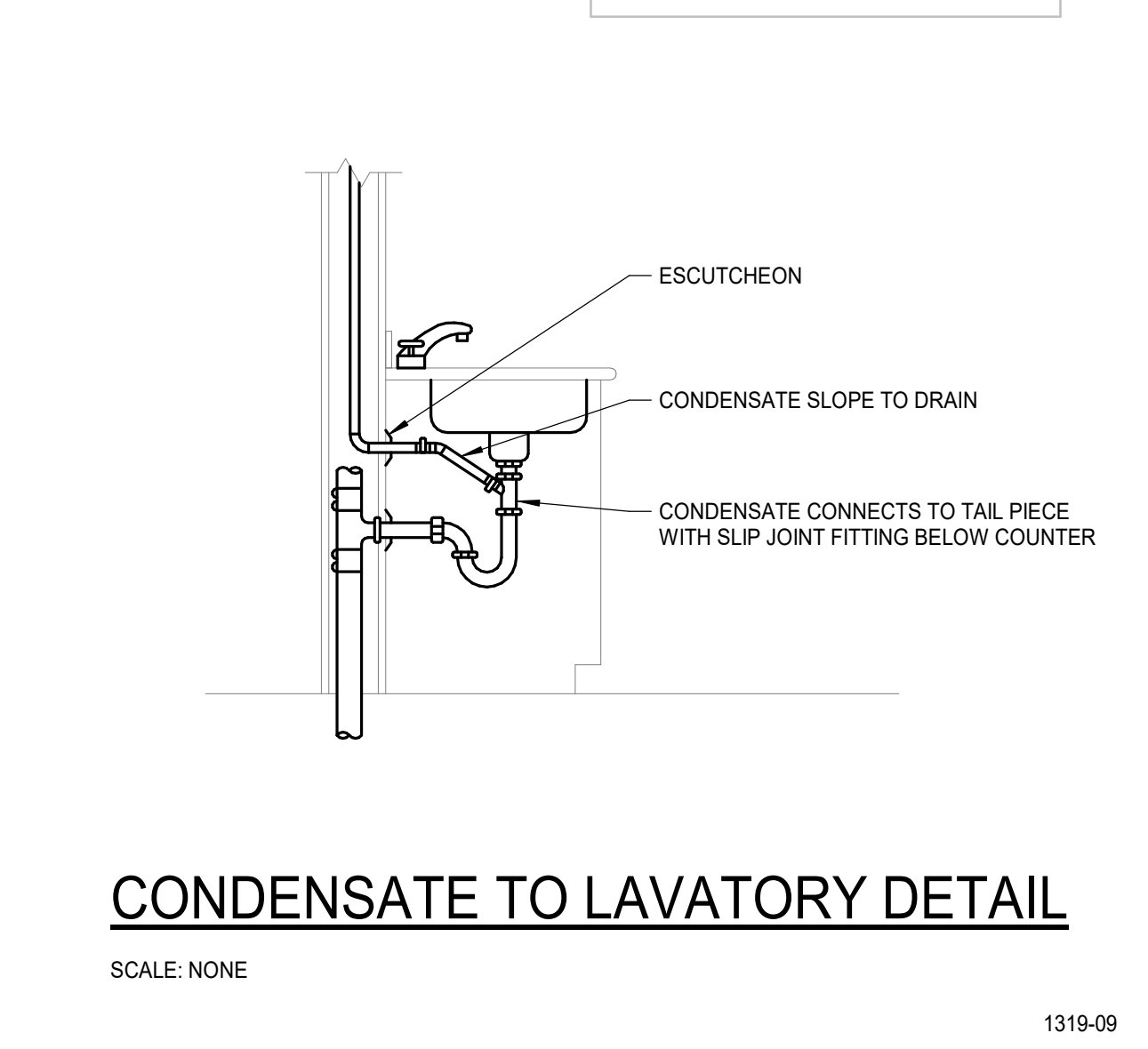
TRAP PRIMER DETAIL



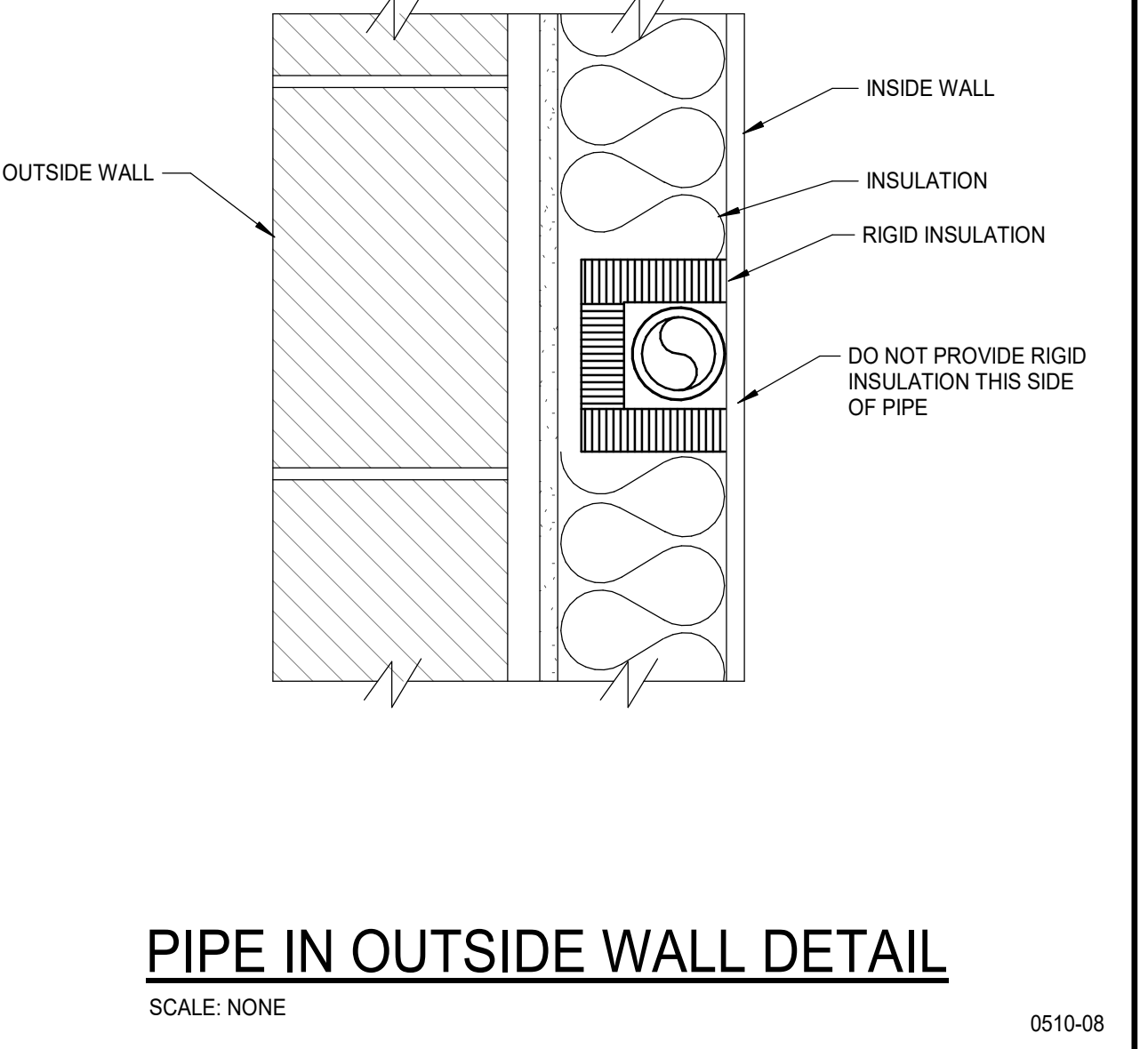
D



CONDENSATE TO LAVATORY DETAIL



PIPE IN OUTSIDE WALL DETAIL



E

STAMP

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

A

B

C

D

E

GENERAL LEGEND (Not all symbols listed below are used on these drawings)			
ABBR.	SYMBOL	DESCRIPTION	DESCRIPTION
		SECTION DESIGNATION	CAP END OF PIPE
		SECTION CUT ON THIS SHEET	PITCH DOWN IN DIRECTION OF ARROW
		VIEW REFERENCE DESIGNATION	PIPE ANCHOR
		VIEW REFERENCE ON THIS SHEET	PIPE ALIGNMENT GUIDE
		EQUIPMENT UNIT IDENTIFICATION	UNION OR FLANGE
		EQUIPMENT UNIT NUMBER (UNIT SERVED - FLOOR - SEQUENCE #)	CONCENTRIC PIPE REDUCER
		DIFFUSER IDENTIFICATION	ECCENTRIC PIPE REDUCER
		DIFFUSER NECK DIAMETER	PRV
		DIFFUSER CFM	PTRV
		LINEAR DIFFUSER IDENTIFICATION	ISOLATION VALVE (RE. SPEC FOR TYPE)
		LINEAR DIFFUSER NECK DIAMETER	VERTICAL PIPE VALVE
		LINEAR DIFFUSER LENGTH	CHECK VALVE
		LINEAR DIFFUSER CFM	SOLENOID / MOTORIZED VALVE
		FINNED TUBE RADIATOR ACTIVE ELEMENT LENGTH	SOLENOID VALVE
		EQUIPMENT UNIT IDENTIFICATION	HOSE END DRAIN VALVE
		EQUIPMENT UNIT NUMBER	PRV
		RADIATOR ENCLOSURE LENGTH (OR W-W/WALL-TO-WALL)	PIT
		KEY NOTE REFERENCE	STRAINER
		KITCHEN/OWNER/MEDICAL EQUIPMENT REFERENCE	STRAINER W/ BLOWDOWN
		TYPICAL ROOM REFERENCE (TOP = RM #, BOTTOM = FLR)	BRAIDED FLEXIBLE PIPE CONNECTOR
		POINT OF CONNECTION, NEW TO EXISTING	DOUBLE-BOWL FLEXIBLE PIPE CONNECTOR
		POINT OF DISCONNECTION, DEMO	THERMOMETER
		DIRECTION OF FLOW IN PIPE	PRESSURE GAUGE
		DUCTWORK, PIPING AND EQUIPMENT TO BE REMOVED	SIGHT GLASS
(E)		EXISTING	C.A.P.
(N)		NEW	CEILING ACCESS PANEL
(R)		RELOCATED	PUMP
(F)		FUTURE	TB
DIA	Ø	DIAMETER	MAV
WAD		WALL ACCESS DOOR	AAV
NC		NOT IN CONTRACT	
AFF		ABOVE FINISHED FLOOR	
GC		GENERAL CONTRACTOR	
MC		MECHANICAL CONTRACTOR	
EC		ELECTRICAL CONTRACTOR	
UNO		UNLESS NOTED OTHERWISE	
C		COMMON	
NC		NORMALLY CLOSED	
NO		NORMALLY OPEN	

FIRE PROTECTION LEGEND (Not all symbols listed below are used on these drawings)			
ABBR.	SYMBOL	DESCRIPTION	DESCRIPTION
F		FIRE SERVICE PIPING	NEW SPRINKLER HEAD
O.S.&Y.		O.S.&Y. GATE VALVE W/ TAMPER SWITCH	EXISTING SPRINKLER HEAD
FS		FLOW SWITCH	RELOCATED SPRINKLER HEAD
PIV		POST INDICATOR VALVE	SIDEWALL SPRINKLER HEAD
FDC		FIRE DEPARTMENT CONNECTION	D24
			DRY SPRINKLER HEAD (SHAFT LENGTH)
		FHC	FIRE HOSE CABINET
		FVC	FIRE VALVE CABINET
		AS	AUTOMATIC FIRE SPRINKLER

FIRE PROTECTION NOTES:

- FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR THE INSTALLATION OF A COMPLETE AND PROPERLY FUNCTIONING FIRE PROTECTION SYSTEM.
- THE FIRE PROTECTION WORK INVOLVES ENGINEERING AND DESIGN BY THE CONTRACTOR TO DETERMINE THE EXTENT OF NEW WORK AND THE MODIFICATION AND EXTENSION OF EXISTING SYSTEMS TO PROVIDE FULL COVERAGE TO THE PROJECT AREA SHOWN ON THESE AND THE ARCHITECTURAL PLANS.
- THE INFORMATION PRESENTED ON THESE DRAWINGS IS DIAGRAMMATIC. IT DOES NOT NECESSARILY REPRESENT ALL ELBOWS, OFFSETS, HANGERS, ETC., REQUIRED FOR A COMPLETE WORKING SYSTEM.
- ALL FIRE PROTECTION SYSTEMS INSTALLED SHALL BE IN ACCORDANCE WITH NFPA-13, 14, 20, ETC. AND LOCAL BUILDING CODES AND ORDINANCES.
- FIRE PROTECTION CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL NEW FIRE PROTECTION EQUIPMENT AND PIPING WITH ALL OTHER TRADES PRIOR TO SUBMITTAL OF SHOP DRAWINGS AND SYSTEM INSTALLATION, SO AS NOT TO INTERFERE WITH THE ROUTING OF NEW DUCTWORK, PLUMBING PIPING, ETC.
- PROVIDE ALL FITTINGS, RISER NIPPLES, ARM-OVERS, HANGERS, ETC. TO MAINTAIN CONFORMANCE WITH APPLICABLE STANDARDS AND TO POSITION THE SPRINKLERS IN THE PROPER LOCATIONS.
- SEAL ALL PIPE PENETRATIONS THROUGH FIRE RATED WALLS AND CEILINGS WITH FIRE STOPPING MATERIALS AS REQUIRED.
- FOR REMODEL AREAS NEW SPRINKLERS SHALL MATCH EXISTING SPRINKLERS.
- PROVIDE FIELD COORDINATION OF PIPING AND SPRINKLER INSTALLATIONS WITH DUCTWORK, LIGHTS, SMOKE DETECTORS, DIFFUSERS, ETC.

FIRE PROTECTION DENSITIES:

- ALL ROOMS TO BE LIGHT HAZARD UNLESS NOTED OTHERWISE ON THE PLANS.
  - LIGHT HAZARD, 0.1 GPM OVER 1,500 SQ.FT
  - OH1 ORDINARY HAZARD GROUP 1, 0.15 GPM OVER 1,500 SQ.FT
  - OH2 ORDINARY HAZARD GROUP 2, 0.2 GPM OVER 1,500 SQ.FT
  - XH1 EXTRA HAZARD, GROUP 1, 0.3 GPM OVER 2,500 SQ.FT
  - XH2 EXTRA HAZARD, GROUP 2, 0.4 GPM OVER 2,500 SQ.FT



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



CATOR | RUMA  
& ASSOCIATES, C.O.  
420 South Orchard Street, Boise, ID 83705  
(208) 343-3663 • www.catorrumba.com

Project:  
TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
Date: 11/22/2022  
Checked By: Checker  
Drawn By: Author

Sheet Name:

FIRE PROTECTION LEGENDS & NOTES

Sheet No:

F0.01

1

2

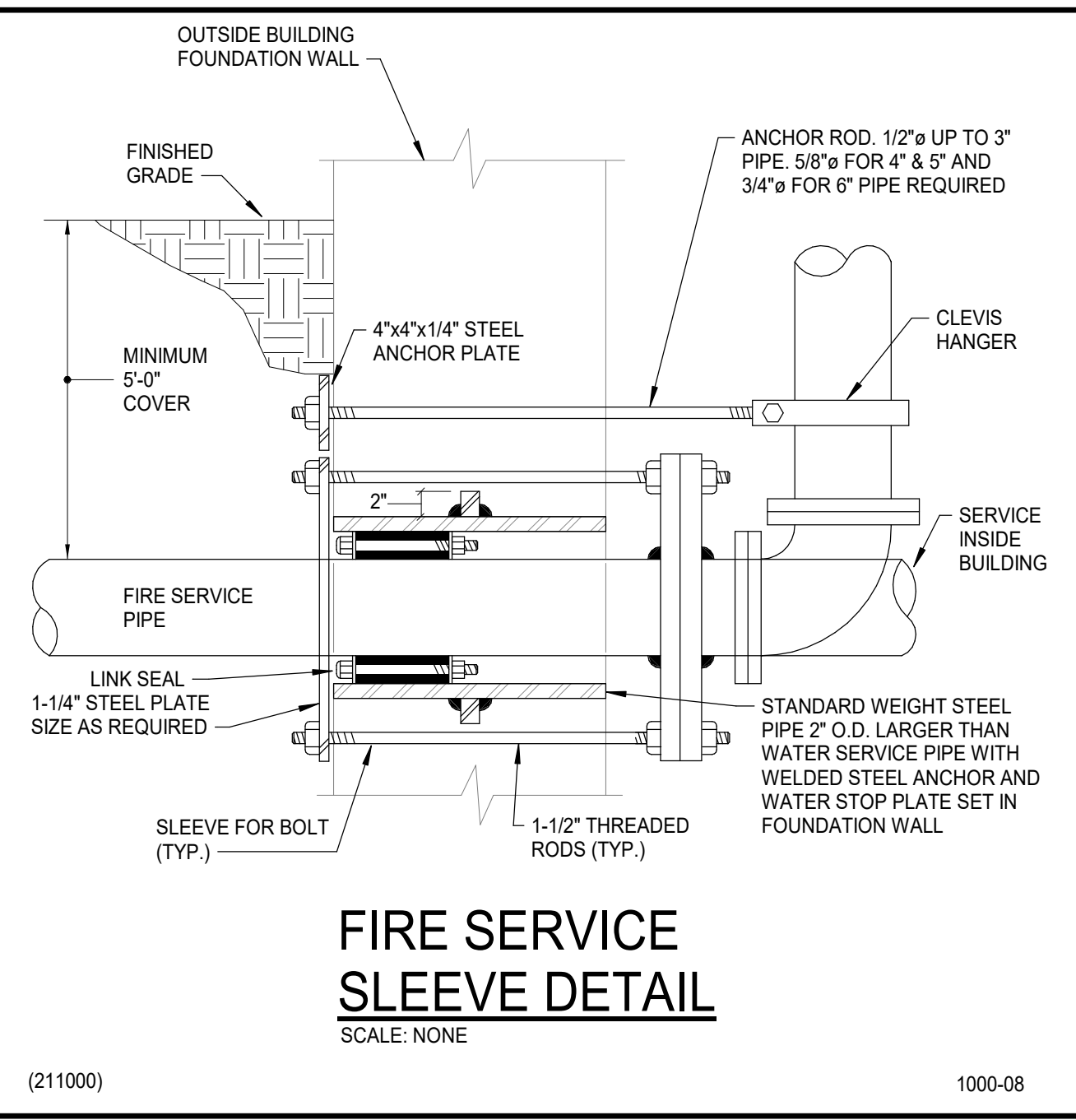
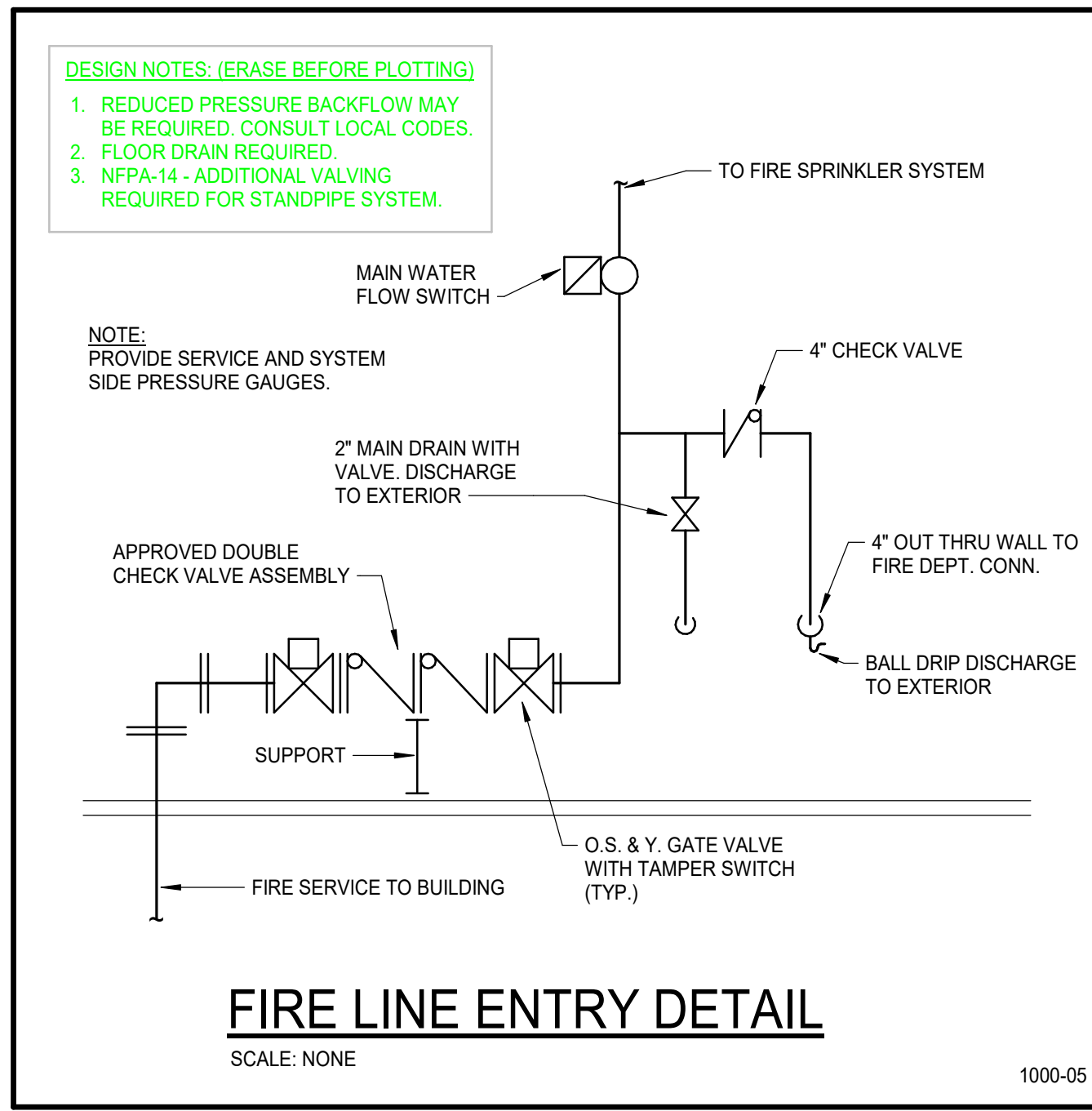
3

4

5

6

A



KEYNOTES

B



**LEVEL 1 - FIRE PROTECTION PLAN**  
SCALE: 1/8" = 1'-0"



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



**CATOR | RUMA**  
& ASSOCIATES, C.O.  
420 South Orchard Street, Boise, ID 83705  
(208) 343-3663 • www.catorrumba.com

Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
Date: 11/22/2022  
Checked By: Checker  
Drawn By: Author

Sheet Name:  
**LEVEL 1 - FIRE PROTECTION PLAN**

Sheet No:

**F2.01**

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

1

2

3

4

5

6

KEYNOTES



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project:  
TWIN FALLS TRAINING FACILITY

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
Date: 11/22/2022  
Checked By: Checker  
Drawn By: Author

Sheet Name:  
LEVEL 2 - FIRE PROTECTION PLAN

Sheet No:

F2.02

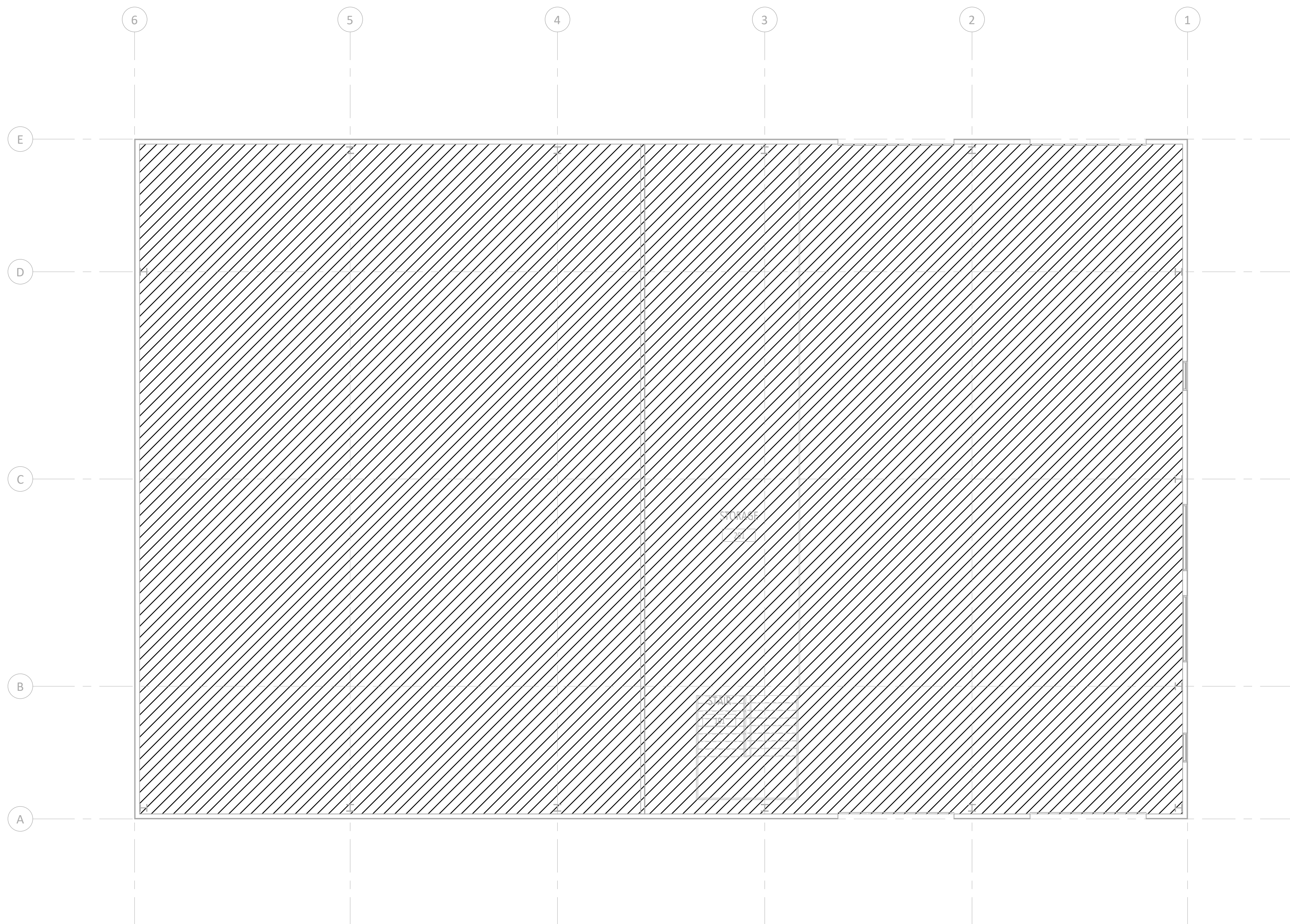
A

B

C

D

E



	PROTECT AS REQUIRED PER NFPA. PROVIDE DRY SYSTEM OR SIDEWALLS IN AREAS SUBJECT TO FREEZING. STANDARD SEMI-RECESS SPRINKLERS IN OTHER AREAS.
	MECHANICAL, ELECTRICAL AND IT SPACES. NO SPRINKLER PIPING IN THESE AREAS OTHER THAN PIPING SERVING SPRINKLERS DIRECTLY IN THAT ROOM.

↑ LEVEL 2 - FIRE PROTECTION PLAN  
SCALE: 1/8" = 1'-0"

1"  
IF LINE DOES NOT MEASURE 1 INCH,  
DRAWING IS NOT TO SCALE



GENERAL EQUIPMENT SCHEDULE

Table with columns: KEY, #, ITEM, HP, FLA, LOAD, EQ LOAD (VA), VOLTAGE, WIRE, FEEDERS (GROUND, CONDUIT), PROTECTION (BREAKER, DISCONNECT, FUSE), REMARKS. Includes common notes and specific remarks.

MECHANICAL EQUIPMENT SCHEDULE

Table with columns: KEY, #, ITEM, HP, FLA, LOAD, EQ LOAD (VA), VOLTAGE, WIRE, FEEDERS (GROUND, CONDUIT), PROTECTION (BREAKER, DISCONNECT, FUSE), REMARKS. Includes common notes and specific remarks.

LUMINAIRE SCHEDULE

Table with columns: TYPE, DESCRIPTION, LAMP (COLOR, LUMENS), BALLAST/DRIVER (TYPE, DIM LEVEL, VOLTAGE), APPARENT LOAD, MANUFACTURER, CATALOG SERIES, FINISH, MOUNTING, REMARKS. Includes common notes, specific remarks, and a lighting control matrix.



PIVOT NORTH ARCHITECTURE, PLLC. 116 S. 6TH STREET BOISE, ID 83702 www.pivorthdesign.com

STAMP



CATOR | RUMA & ASSOCIATES, C.O. 420 South Orchard Street, Boise, ID 83705 (208) 343-3663 • www.catorrumba.com

Project: TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029 Date: 11/22/2022 Checked By: Checker Drawn By: Author

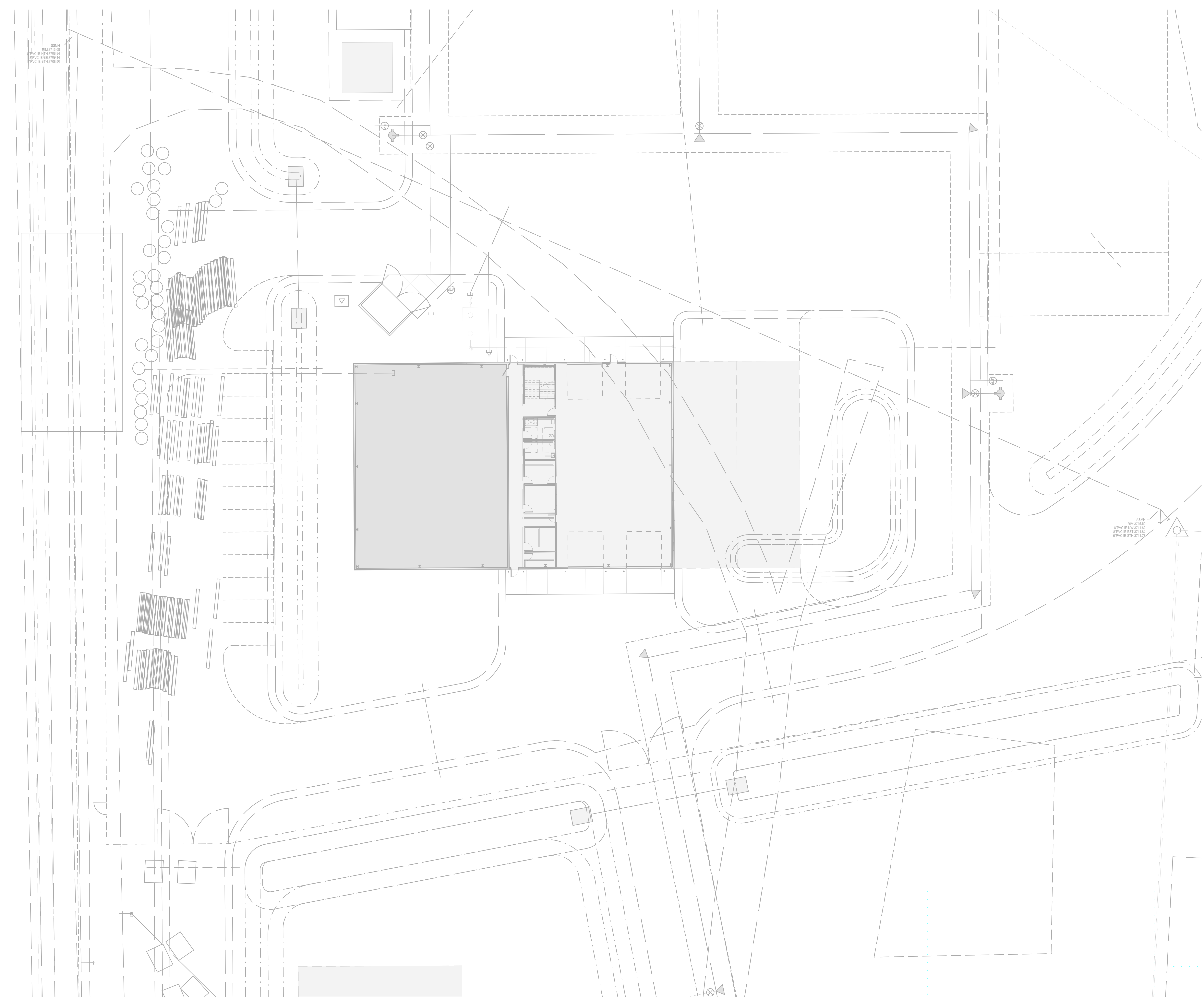
Sheet Name: ELECTRICAL SCHEDULES

Sheet No: E0.02



1 2 3 4 5 6

A  
B  
C  
D  
E



**Elec Site Plan (1"=30')**  
SCALE: 1:180



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivnorthdesign.com

STAMP



Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
Date: 11/22/2022  
Checked By: Checker  
Drawn By: Author

Sheet Name:  
**ELECTRICAL SITE PLAN**

Sheet No:  
**E1.01**

11/23/2022 3:04:23 PM  
P:\Users\j2020\2020-481 Twin Falls Fire Training Facility\Cad

1

2

3

4

5

6

KEYNOTES



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project:  
TWIN FALLS TRAINING FACILITY

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
Date: 11/22/2022  
Checked By: Checker  
Drawn By: Author

Sheet Name:  
LEVEL 1 - LIGHTING PLAN

Sheet No:

E2.01

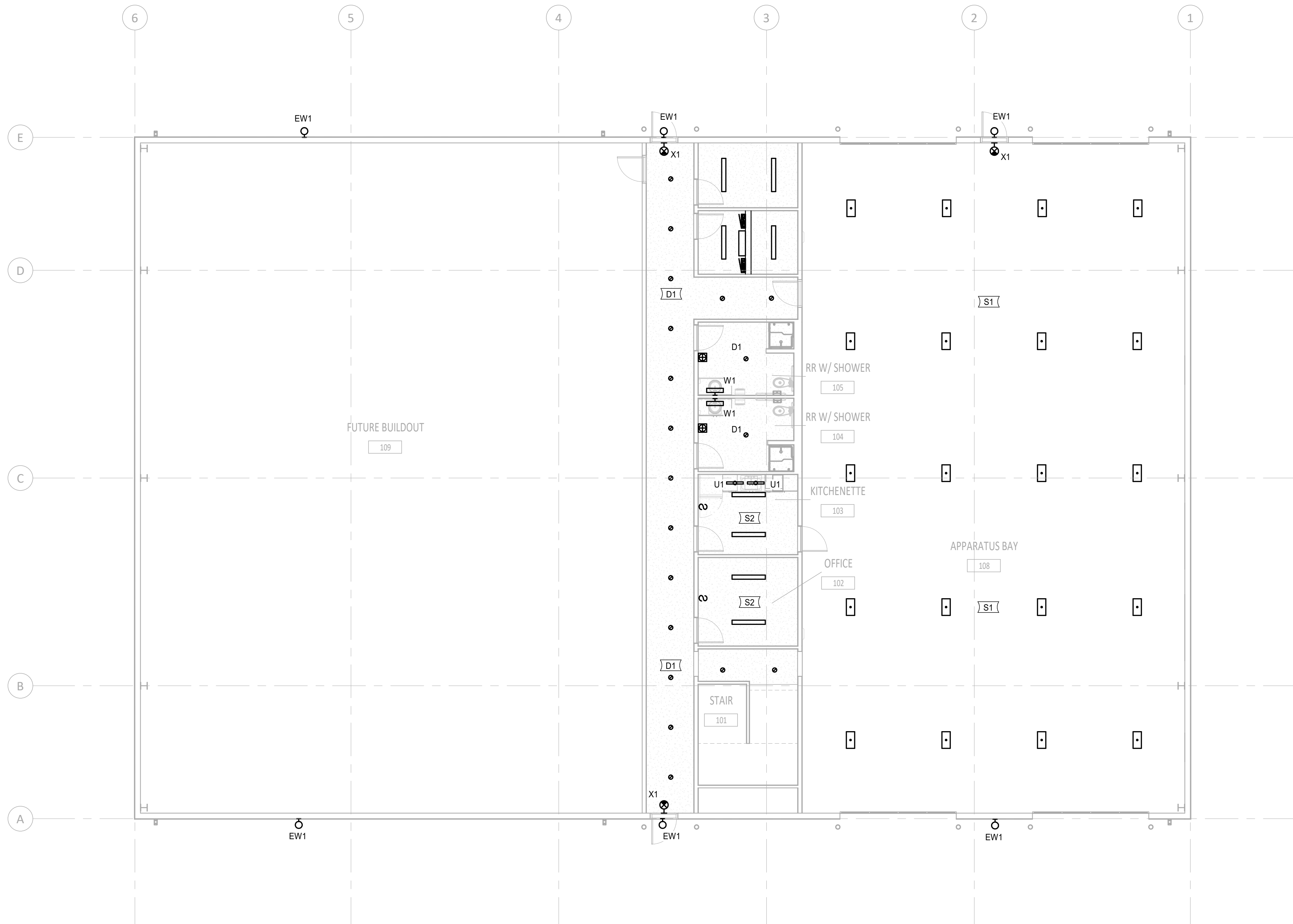
A

B

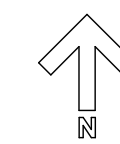
C

D

E



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



1"  
IF LINE DOES NOT MEASURE 1 INCH,  
DRAWING IS NOT TO SCALE

11/23/2022 3:04:24 PM  
P:\Hanna\2020\2020-481 Twin Falls Fire Training Facility\Cad

1

2

3

4

5

6

KEYNOTES



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



Project:  
TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
Date: 11/22/2022  
Checked By: Checker  
Drawn By: Author

Sheet Name:  
LEVEL 2 - LIGHTING  
PLAN

Sheet No:

E2.02

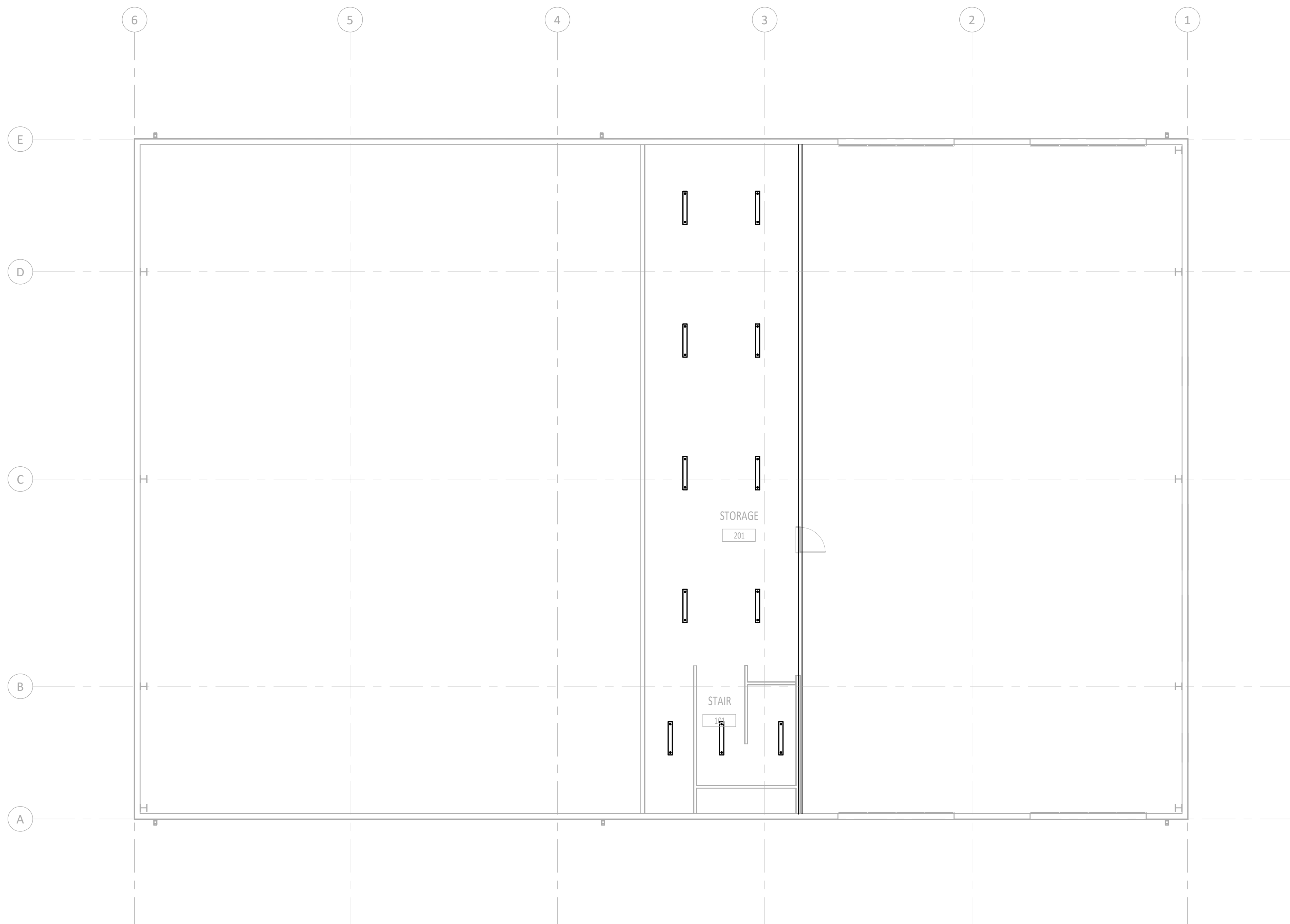
A

B

C

D

E



↑ LEVEL 2 - LIGHTING PLAN  
SCALE: 1/8" = 1'-0"

1"  
IF LINE DOES NOT MEASURE 1 INCH,  
DRAWING IS NOT TO SCALE

1

2

3

4

5

6

A

B

C

D

E

KEYNOTES	
E1	PROVIDE SURFACE MOUNTED JUNCTION BOX AND 30A SO CORD REEL WITH SIMPLEX RECEPTACLE AND ASSOCIATED STRAIN RELIEF MOUNTED AT APPROXIMATELY 6' AFF FOR SHORE POWER AT APPROXIMATE LOCATION INDICATED. ROUTE 2#10 AND #10 GROUND CONDUCTORS FROM PANEL FOR POWER. COORDINATE INSTALLATION WITH OWNER PRIOR TO ROUGH-IN. REFER TO SURFACE MOUNTED CORD REEL DETAIL.
E2	PROVIDE SINGLE GANG J-BOX AT 48" AFF WITH 1/2" CONDUIT ROUTED TO OVERHEAD DOOR OPERATOR. COORDINATE WITH OVERHEAD DOOR SHOP DRAWINGS.

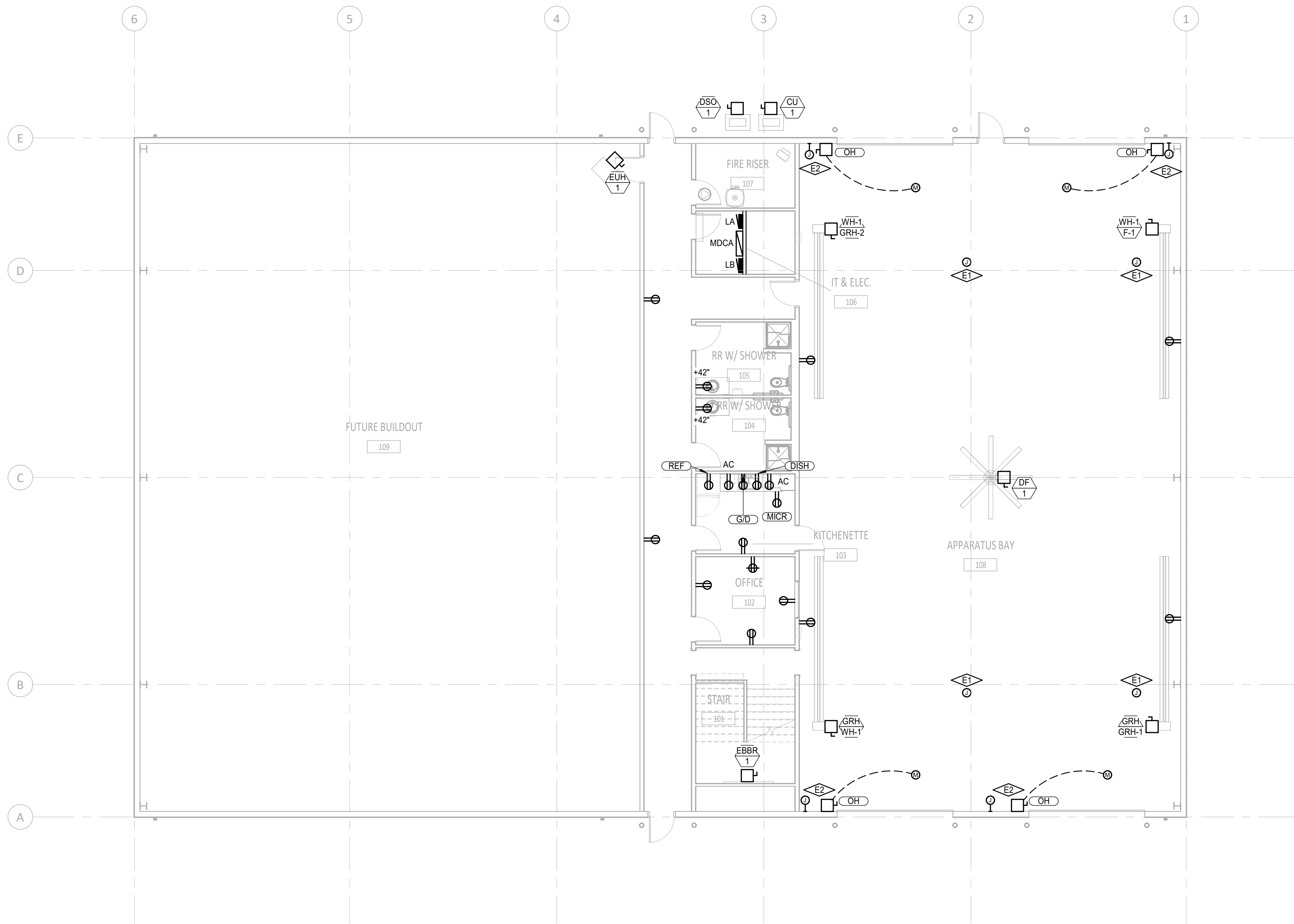


PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



CATOR | RUMA  
& ASSOCIATES, C.O.  
420 South Orchard Street, Boise, ID 83705  
(208) 343-3663 • www.catorruma.com



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

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
Date: 11/22/2022  
Checked By: Checker  
Drawn By: Author

Sheet Name:  
**LEVEL 1 - POWER PLAN**

Sheet No:  
**E2.11**

1

2

3

4

5

6

KEYNOTES



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



Project:  
TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
Date: 11/22/2022  
Checked By: Checker  
Drawn By: Author

Sheet Name:  
LEVEL 2 - POWER PLAN

Sheet No:

E2.12

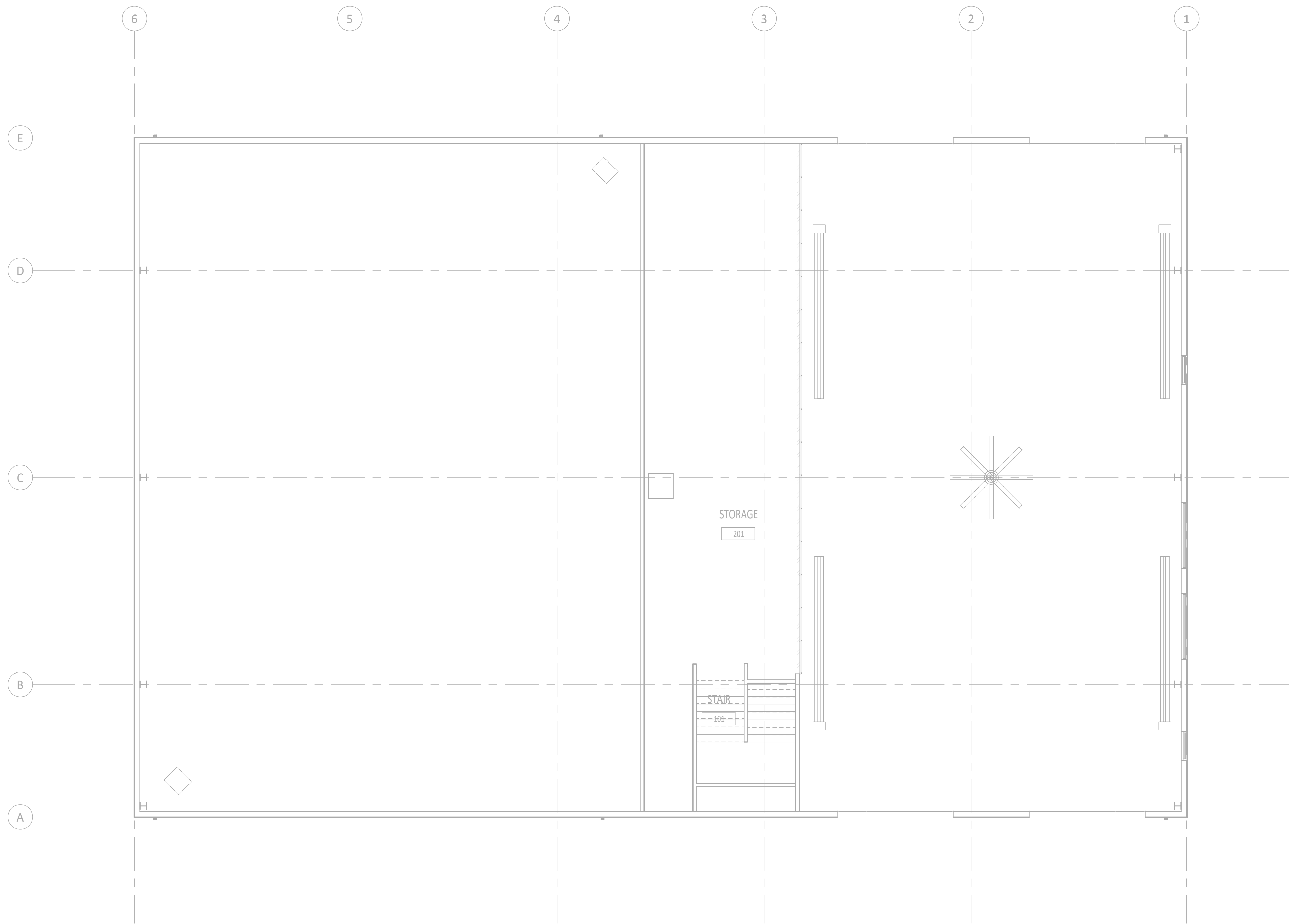
A

B

C

D

E



↑ LEVEL 2 - POWER PLAN  
SCALE: 1/8" = 1'-0"

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

1"  
IF LINE DOES NOT MEASURE 1 INCH,  
DRAWING IS NOT TO SCALE

1

2

3

4

5

6

KEYNOTES



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



Project:  
TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
Date: 11/22/2022  
Checked By: Checker  
Drawn By: Author

Sheet Name:  
ROOF - ELECTRICAL  
PLAN

Sheet No:

E2.13

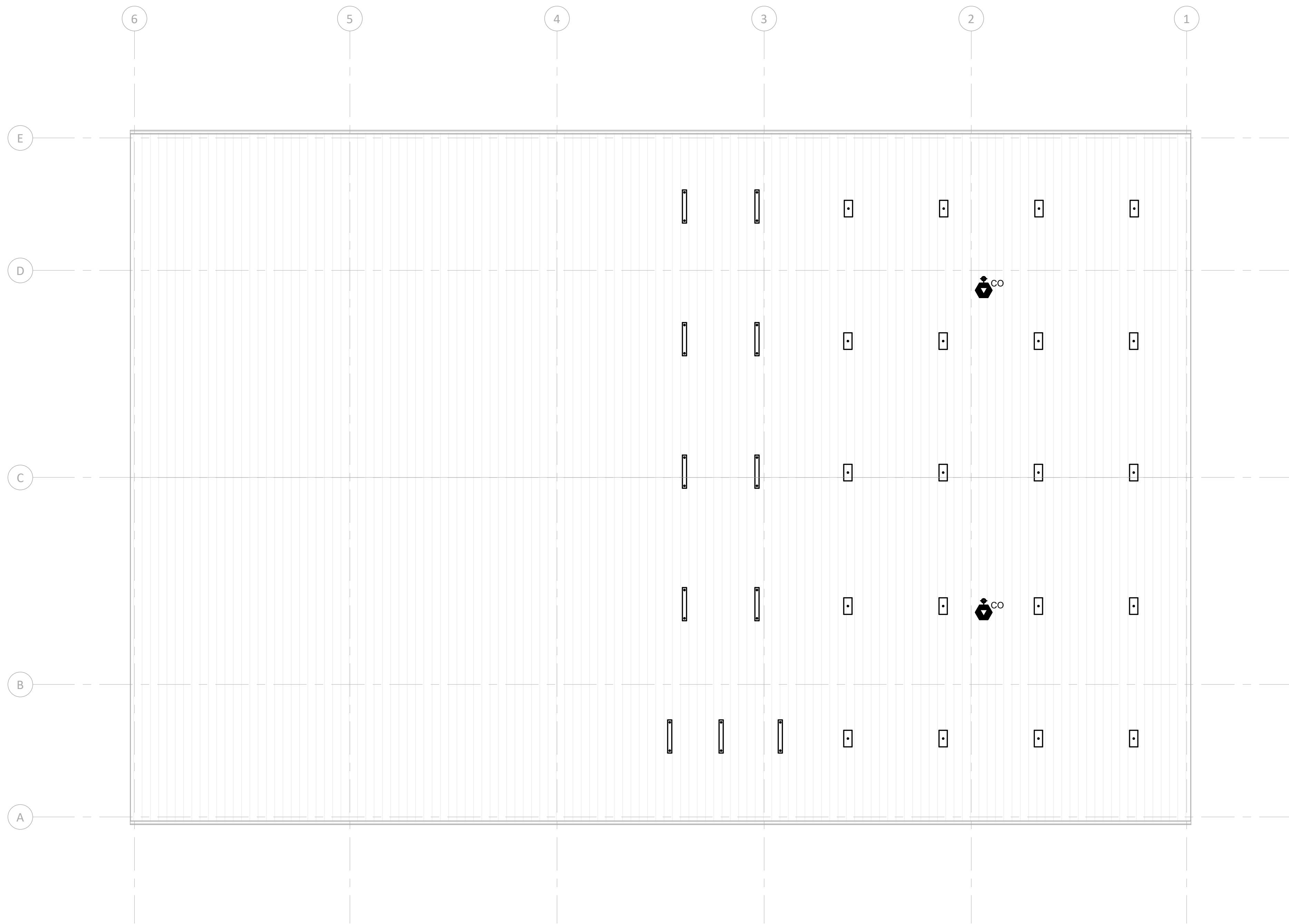
A

B

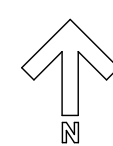
C

D

E



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



1"  
IF LINE DOES NOT MEASURE 1 INCH,  
DRAWING IS NOT TO SCALE

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

1

2

3

4

5

6

KEYNOTES

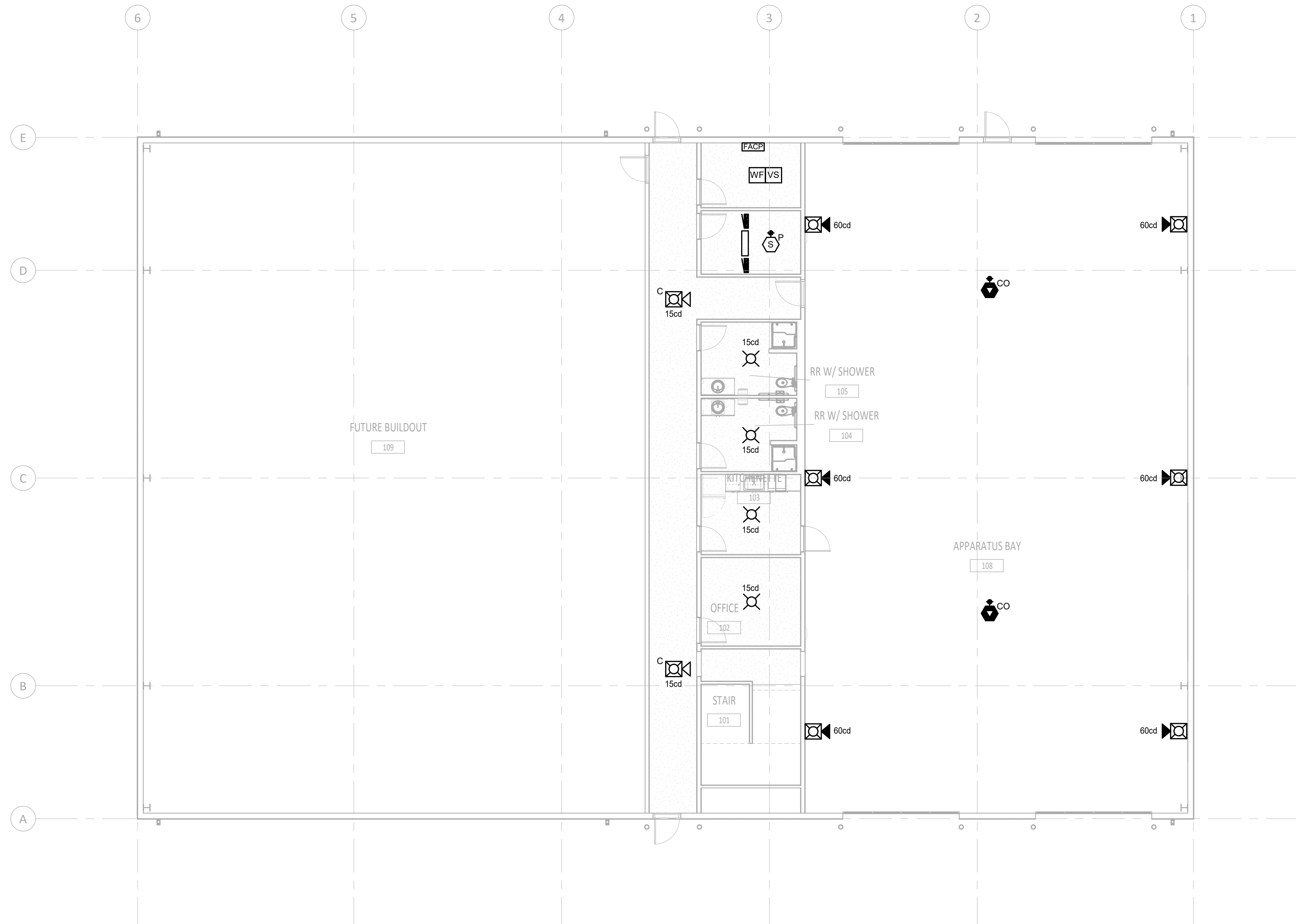
A

B

C

D

E



↑  
**LEVEL 1 - FIRE ALARM PLAN**  
 SCALE: 1/8" = 1'-0"



PIVOT NORTH ARCHITECTURE, PLLC.  
 116 S. 6TH STREET  
 BOISE, ID 83702  
 www.pivotnorthdesign.com

STAMP



**CATOR | RUMA**  
 & ASSOCIATES, C.O.  
 420 South Orchard Street, Boise, ID 83705  
 (208) 343-3663 • www.catoruma.com

Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
 Date: 11/22/2022  
 Checked By: Checker  
 Drawn By: Author

Sheet Name:  
**LEVEL 1 - FIRE ALARM PLAN**

Sheet No:

**E2.21**

1

2

3

4

5

6

KEYNOTES



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



CATOR IRUMA  
& ASSOCIATES, C.O.  
420 South Orchard Street, Boise, ID 83705  
(208) 343-3663 • www.catoriruma.com

Project:  
TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
Date: 11/22/2022  
Checked By: Checker  
Drawn By: Author

Sheet Name:  
LEVEL 2 - FIRE ALARM  
PLAN

Sheet No:

E2.22

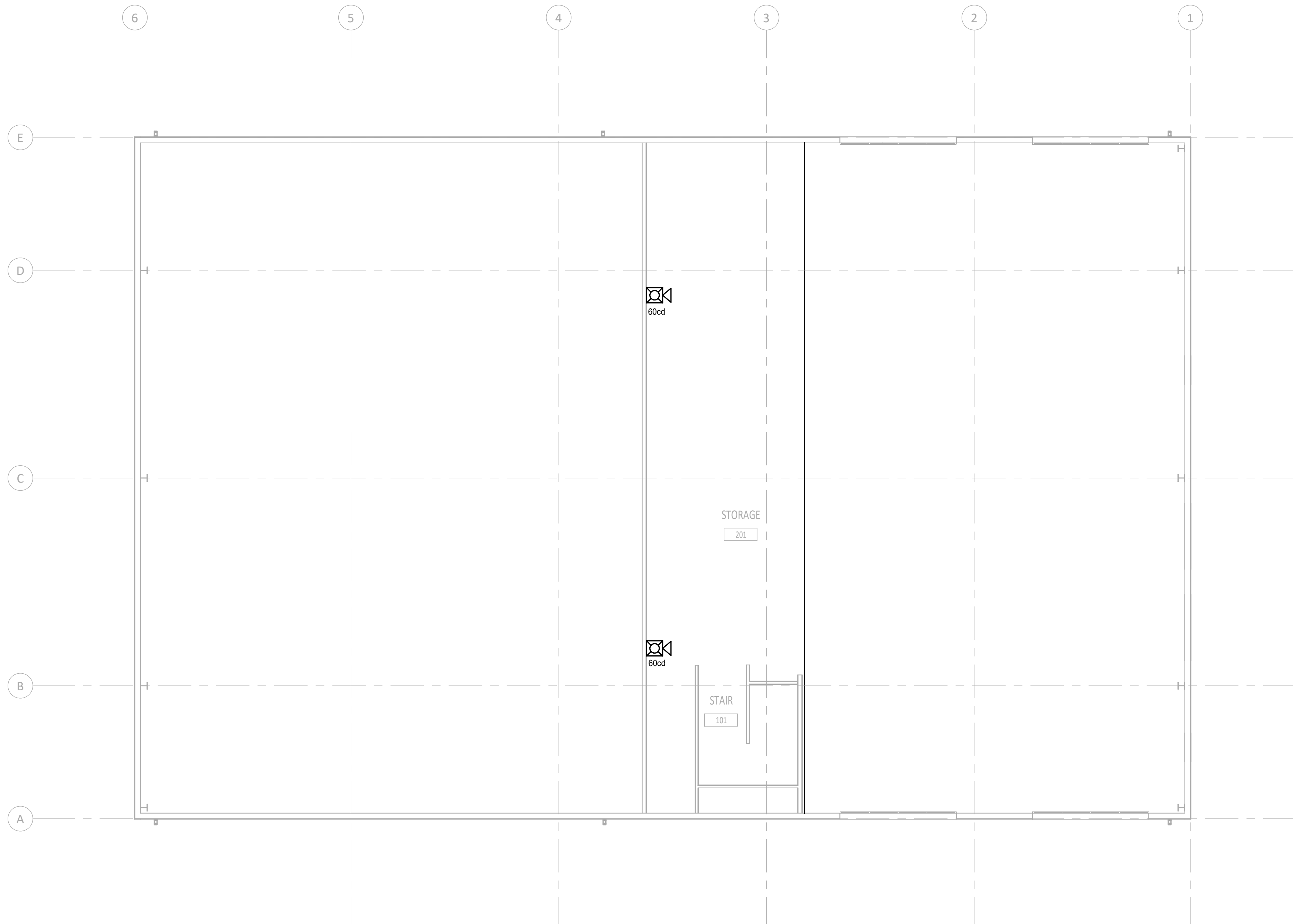
A

B

C

D

E



↑  
**LEVEL 2 - FIRE ALARM PLAN**  
SCALE: 1/8" = 1'-0"

1"  
IF LINE DOES NOT MEASURE 1 INCH,  
DRAWING IS NOT TO SCALE

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)



A

B

C

D

E

Panel LA													
Location: IT & ELEC. 106				Voltage: 120/208 Wye				A.I.C. Rating:					
Supply From:				Phase: 3				Mains Type: MLO					
Mounting: Surface				Wire: 4				Bus Rating: 225 A					
Enclosure: Type 1				Circuit Notes:									
Note	Circ...	Load	Type	Trip	Po...	A	B	C	Po...	Trip	Type	Load	Circ... Note
1													2
3													4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
Total Load:						0 VA	0 VA	0 VA					
Total Amps:						0 A	0 A	0 A					
Phase Balance:						% A-B	% B-C	% C-A					
Load Type		Connected Load	Demand Factor	Demand Load	Panel Totals								
L Lighting		0 VA	0.00%	0 VA	Power Factor:								
R Receptacle		0 VA	0.00%	0 VA									
M Motor		0 VA	0.00%	0 VA	Total Connected Load: 0 VA								
C Continuous		0 VA	0.00%	0 VA	Total Connected Current: 0 A								
G General		0 VA	0.00%	0 VA									
K Kitchen		0 VA	0.00%	0 VA	Total Demand Load: 0 VA								
E Existing		0 VA	0.00%	0 VA	Total Demand Current: 0 A								
O Other		0 VA	0.00%	0 VA									
General Notes:													

Panel LB													
Location: IT & ELEC. 106				Voltage: 120/208 Wye				A.I.C. Rating:					
Supply From:				Phase: 3				Mains Type: MLO					
Mounting: Surface				Wire: 4				Bus Rating: 225 A					
Enclosure: Type 1				Circuit Notes:									
Note	Circ...	Load	Type	Trip	Po...	A	B	C	Po...	Trip	Type	Load	Circ... Note
1													2
3													4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
Total Load:						0 VA	0 VA	0 VA					
Total Amps:						0 A	0 A	0 A					
Phase Balance:						% A-B	% B-C	% C-A					
Load Type		Connected Load	Demand Factor	Demand Load	Panel Totals								
L Lighting		0 VA	0.00%	0 VA	Power Factor:								
R Receptacle		0 VA	0.00%	0 VA									
M Motor		0 VA	0.00%	0 VA	Total Connected Load: 0 VA								
C Continuous		0 VA	0.00%	0 VA	Total Connected Current: 0 A								
G General		0 VA	0.00%	0 VA									
K Kitchen		0 VA	0.00%	0 VA	Total Demand Load: 0 VA								
E Existing		0 VA	0.00%	0 VA	Total Demand Current: 0 A								
O Other		0 VA	0.00%	0 VA									
General Notes:													



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



Project:  
TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
Date: 11/22/2022  
Checked By: KO  
Drawn By: BRE

Sheet Name:  
ELECTRICAL PANEL SCHEDULES

Sheet No:  
E4.01

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

STAMP

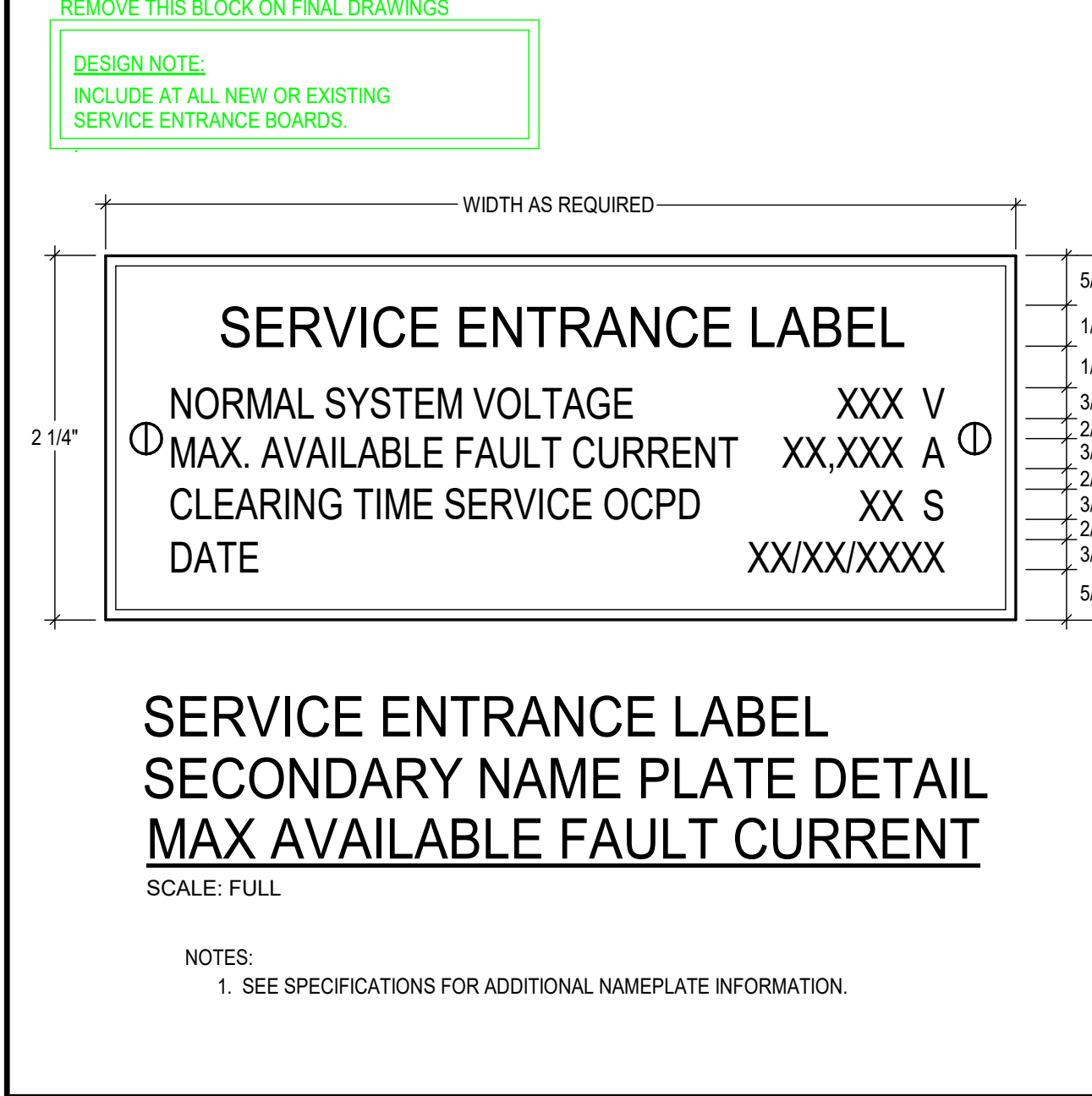
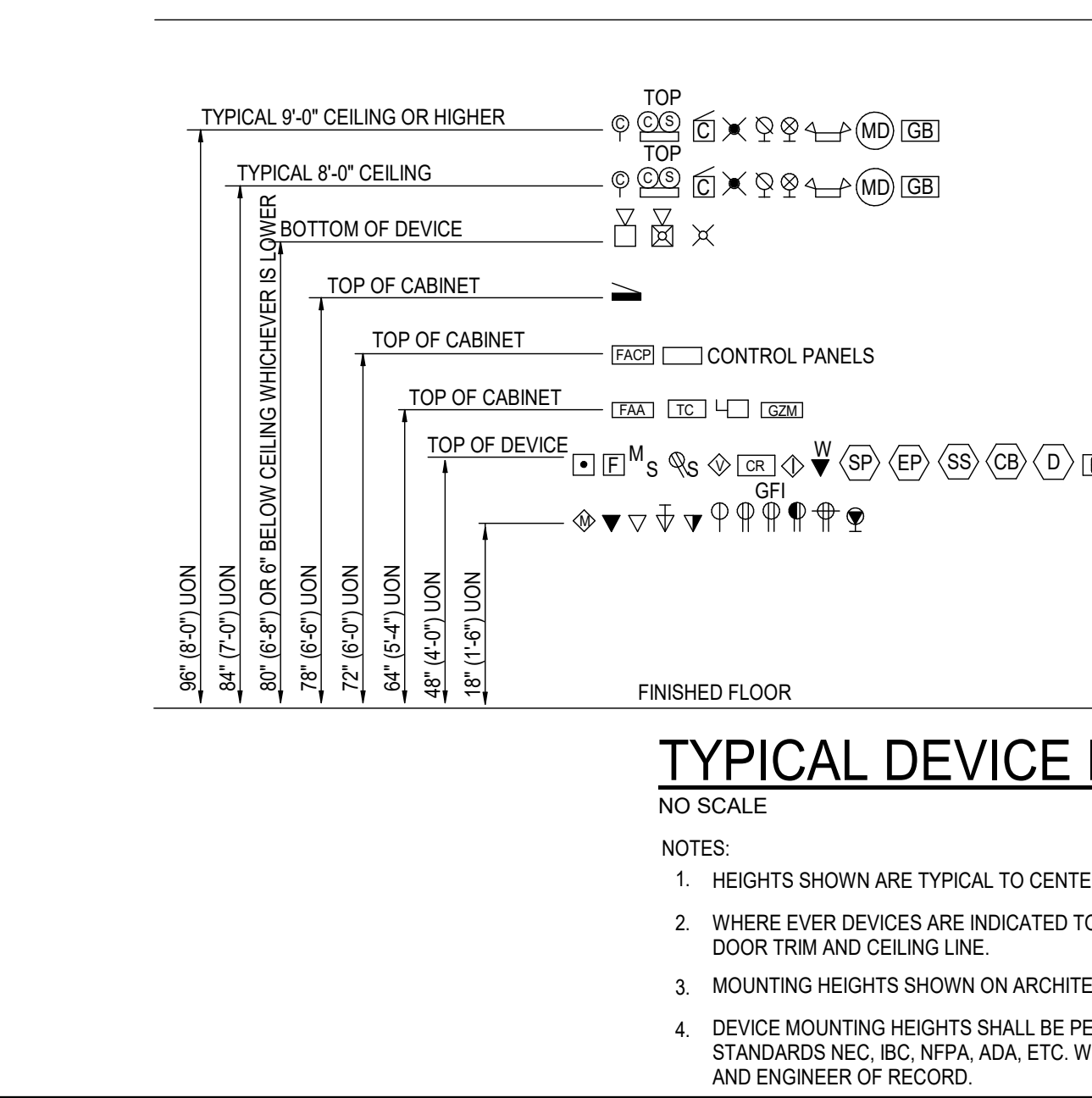
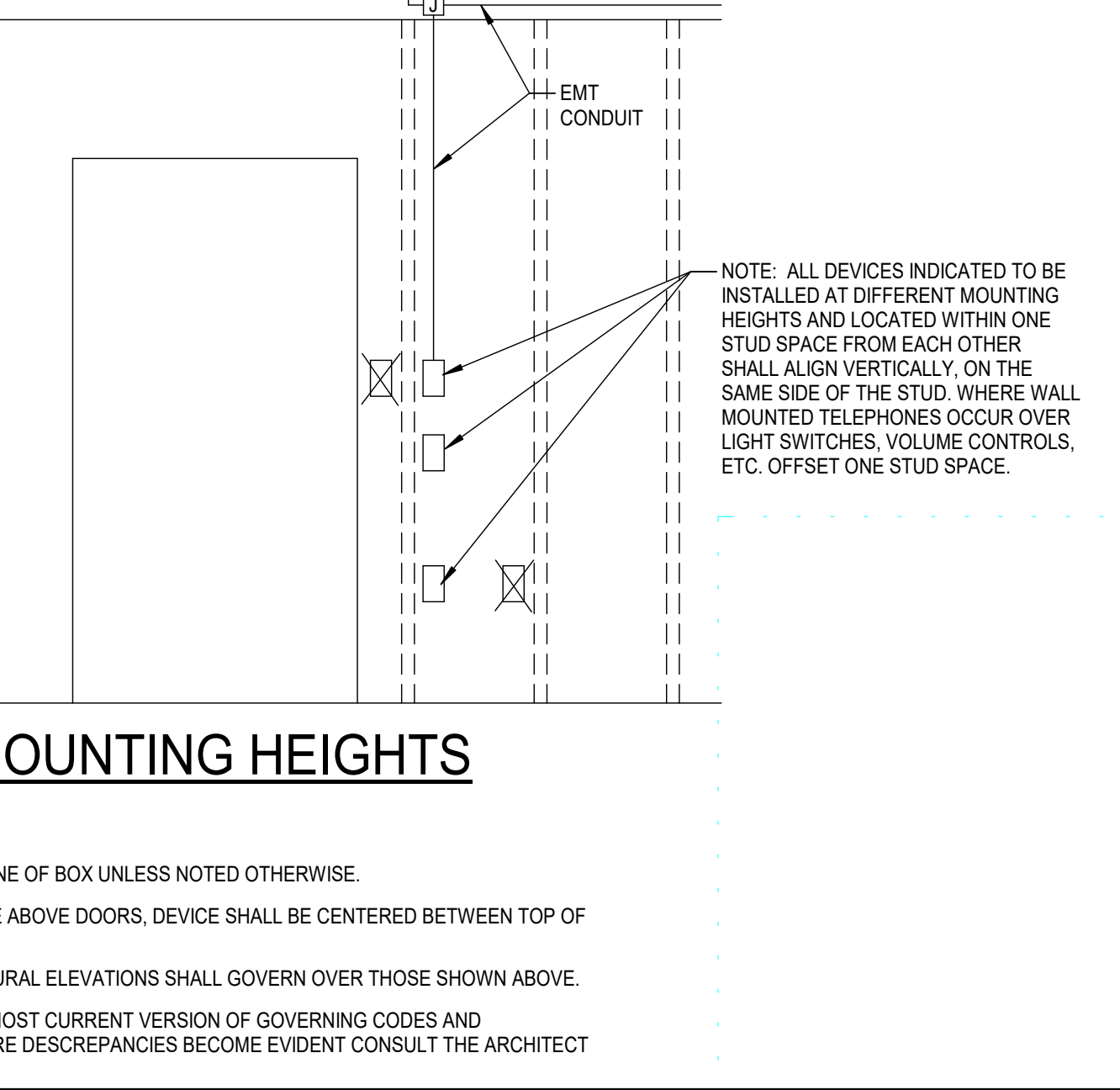
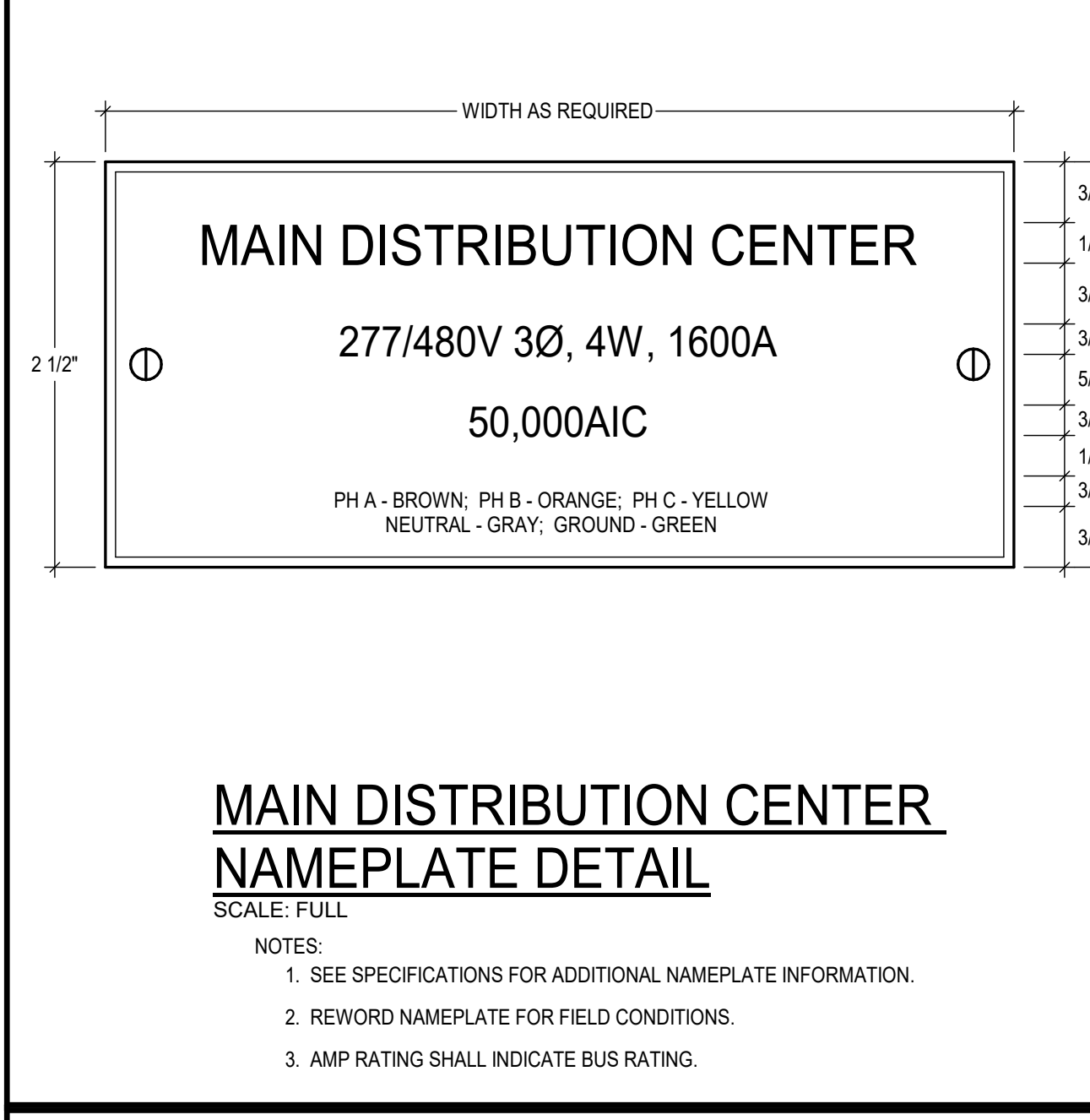
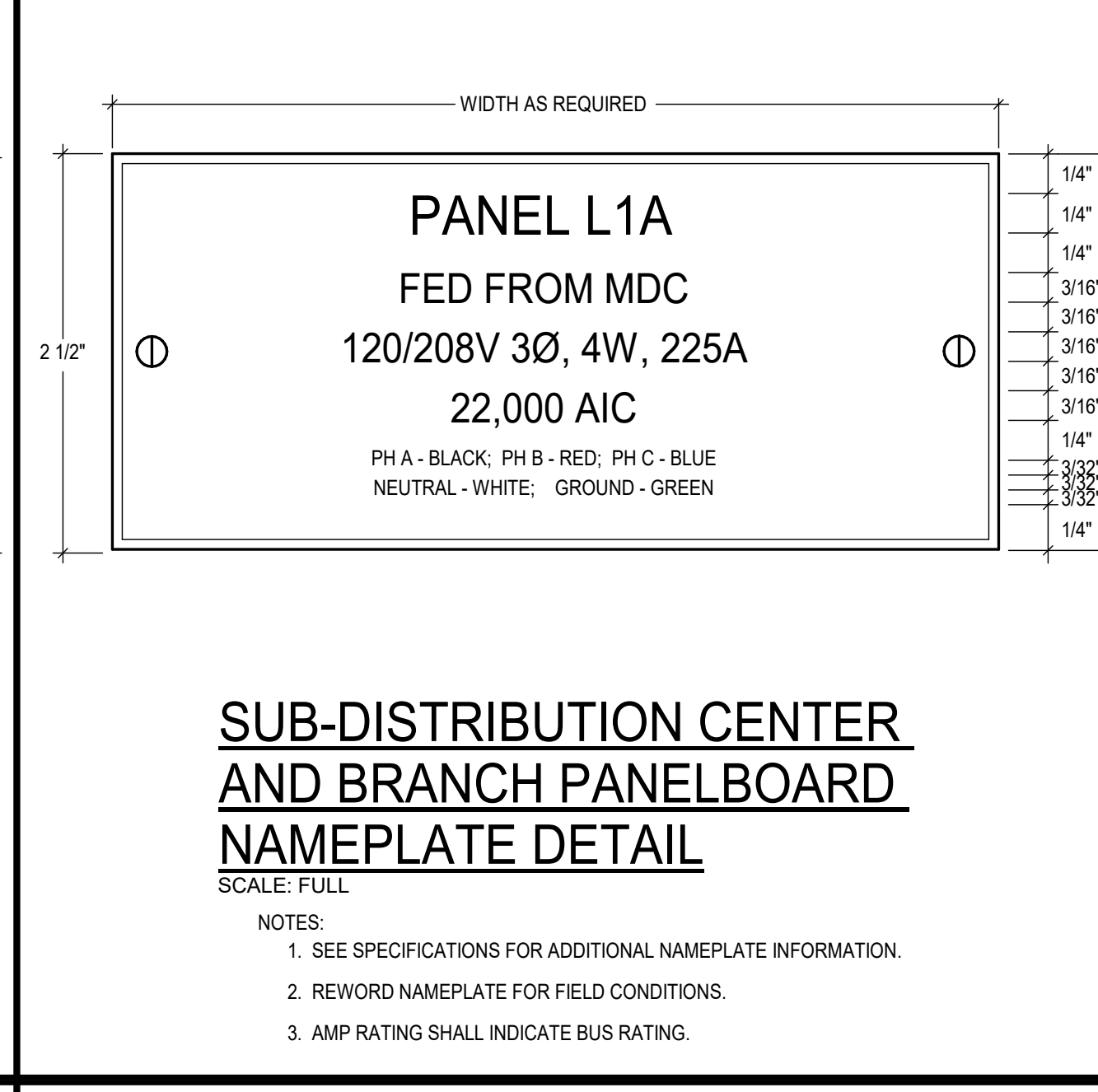
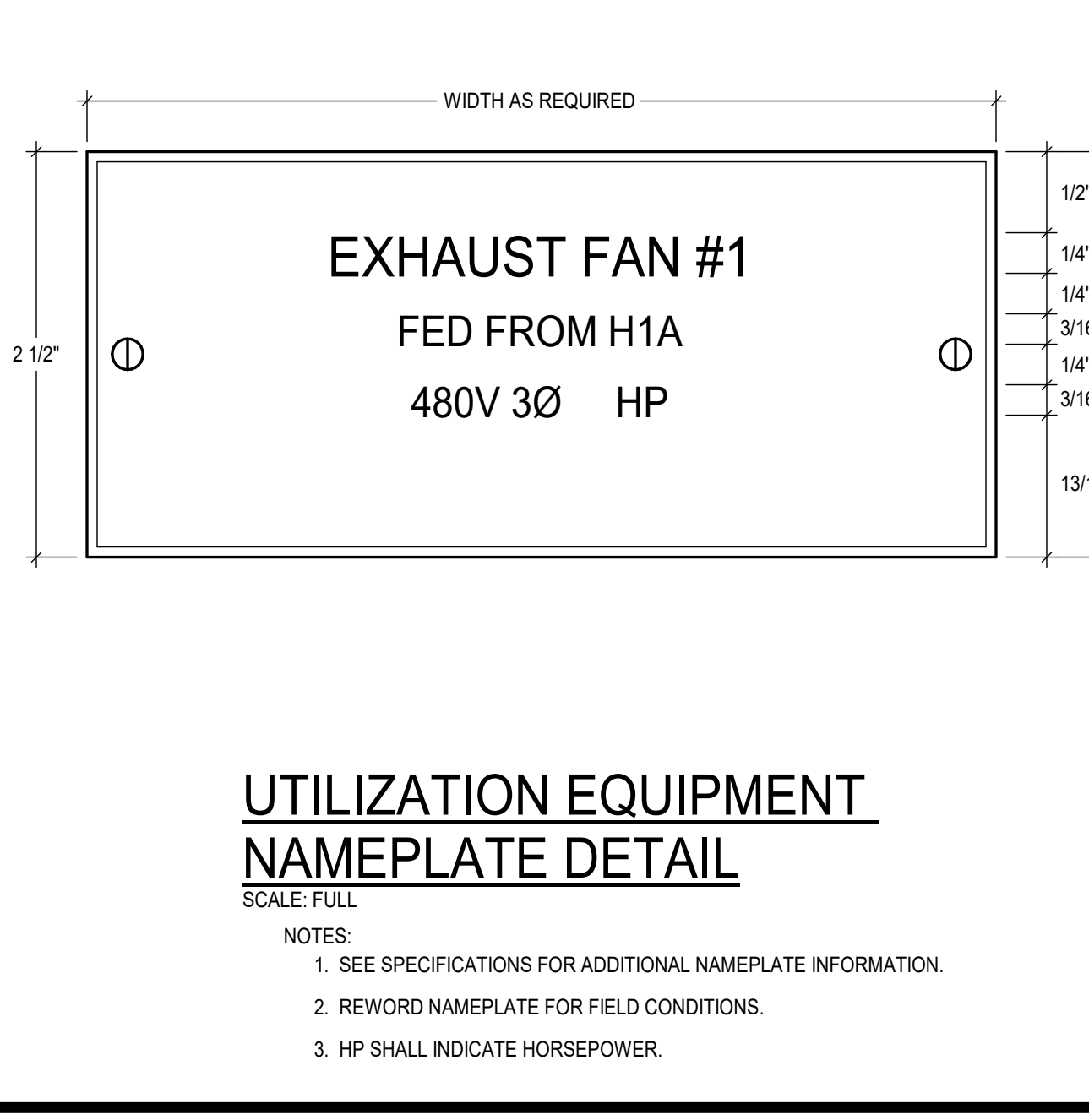
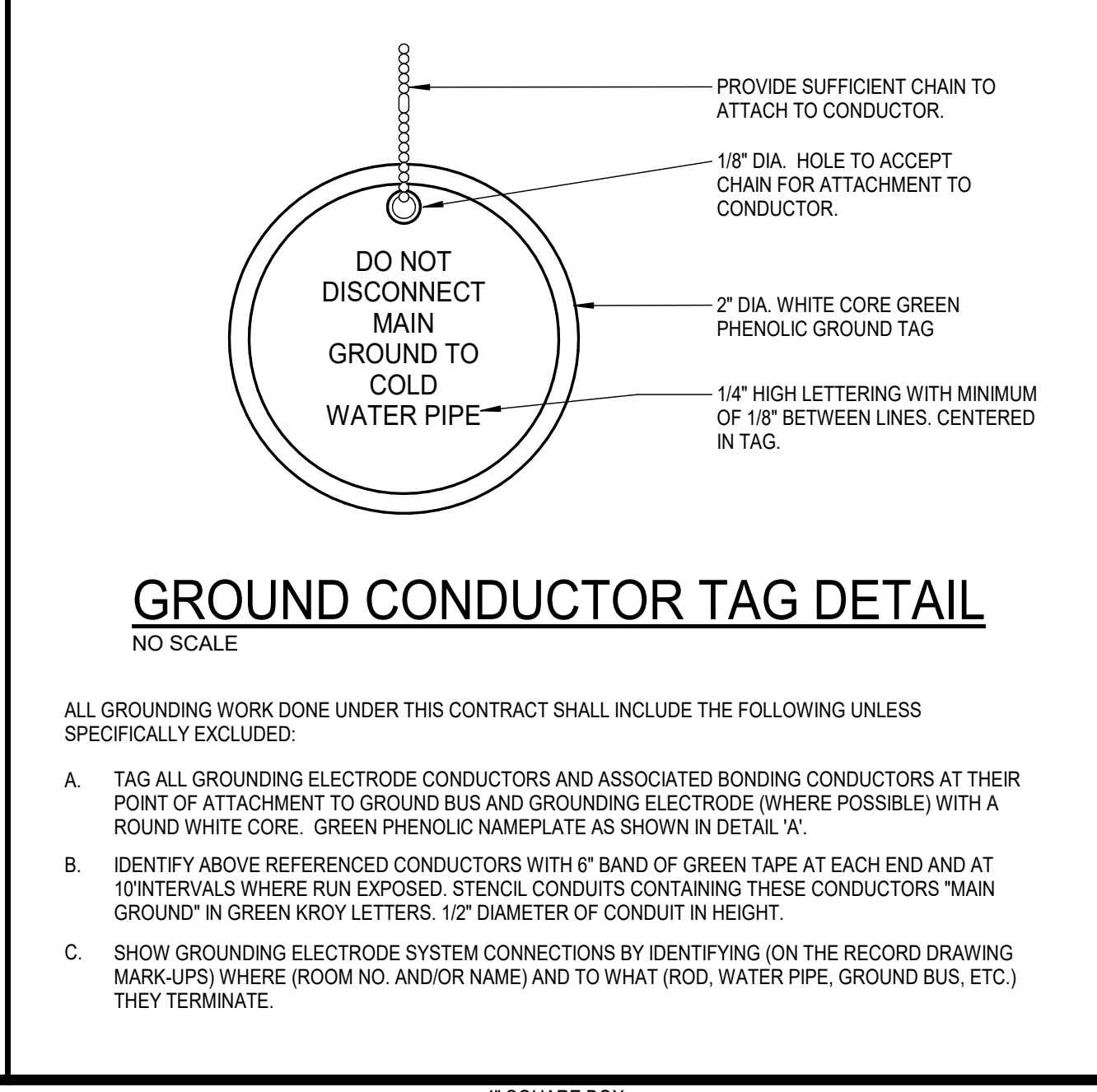
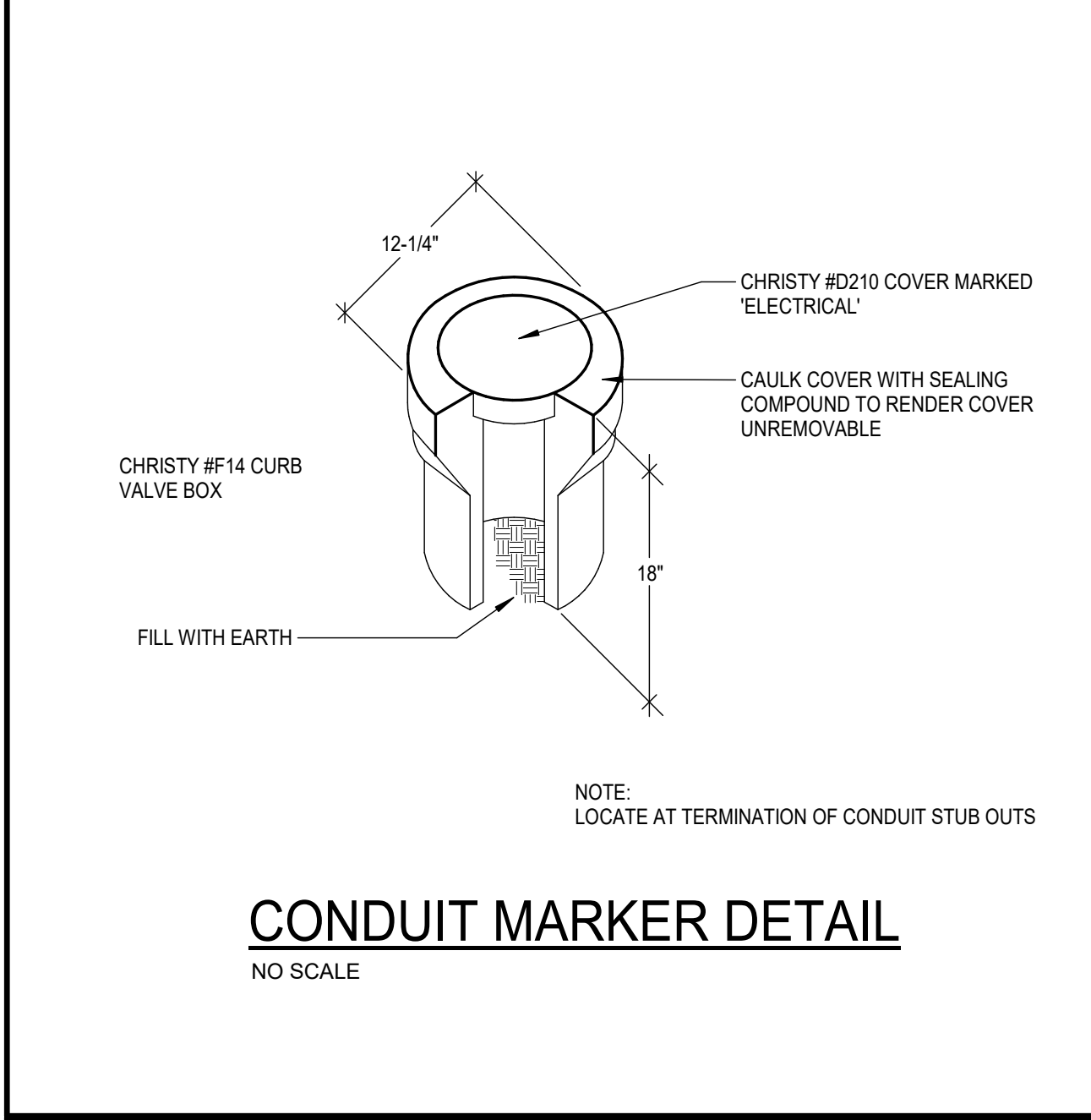
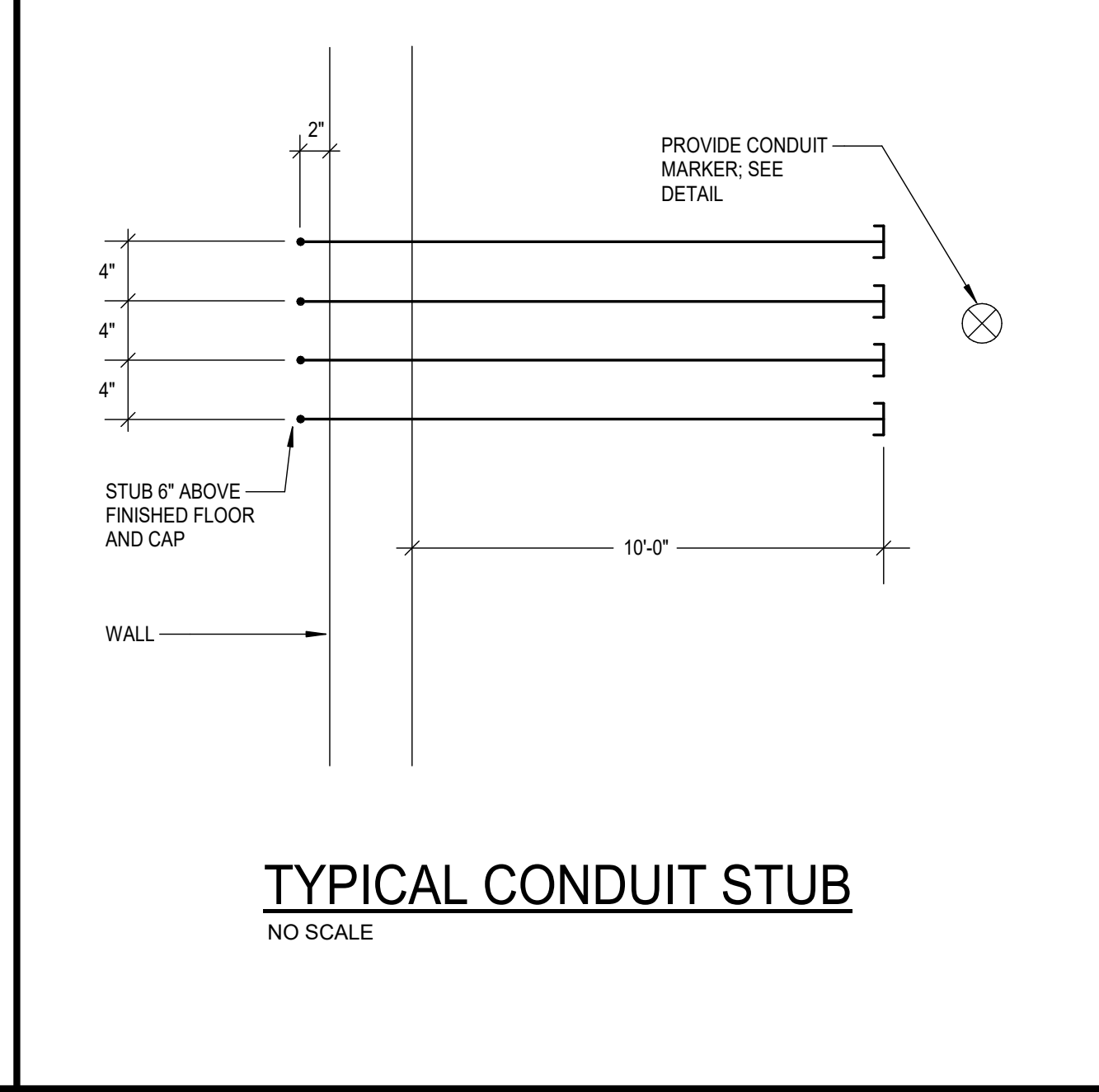
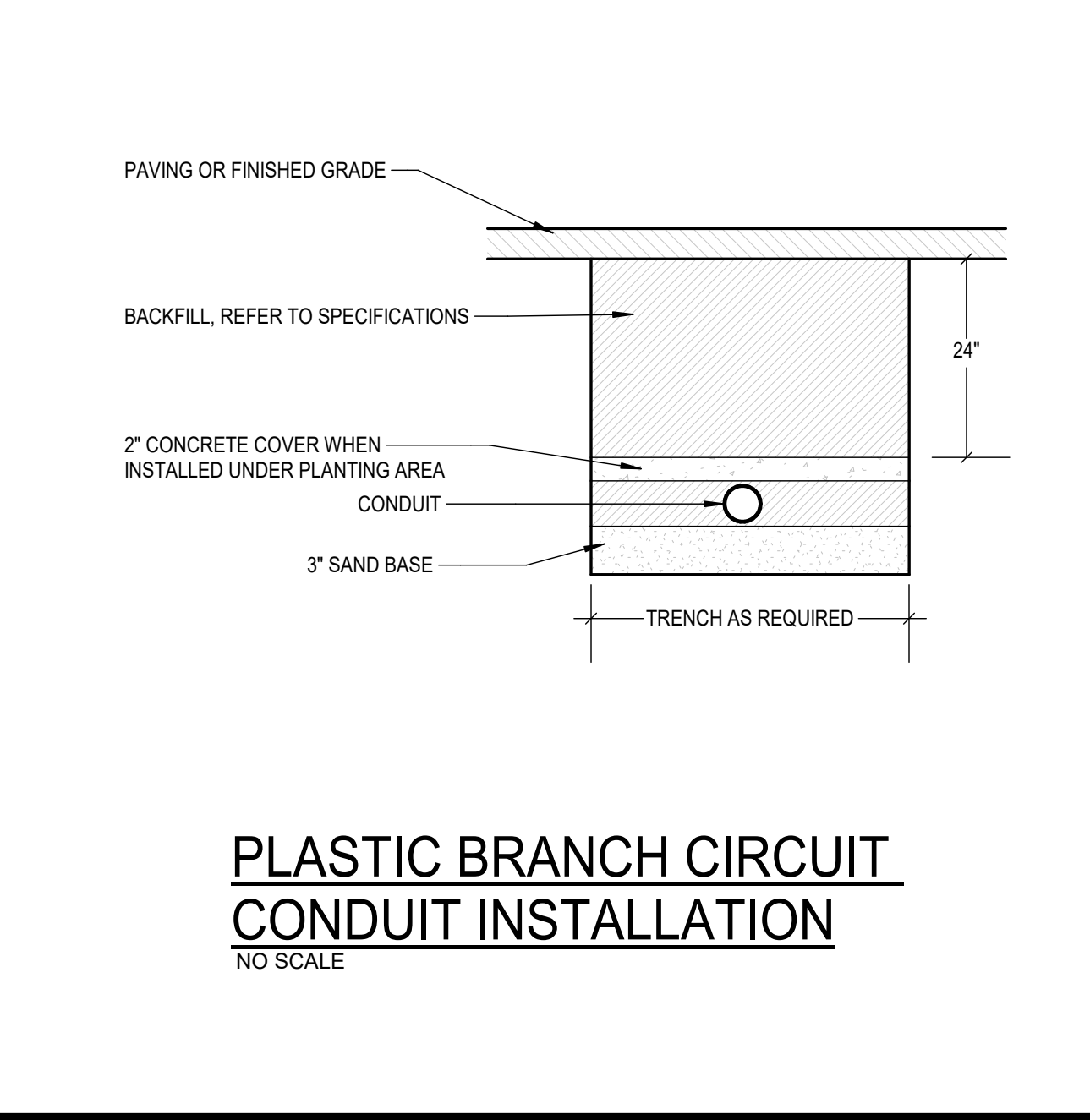
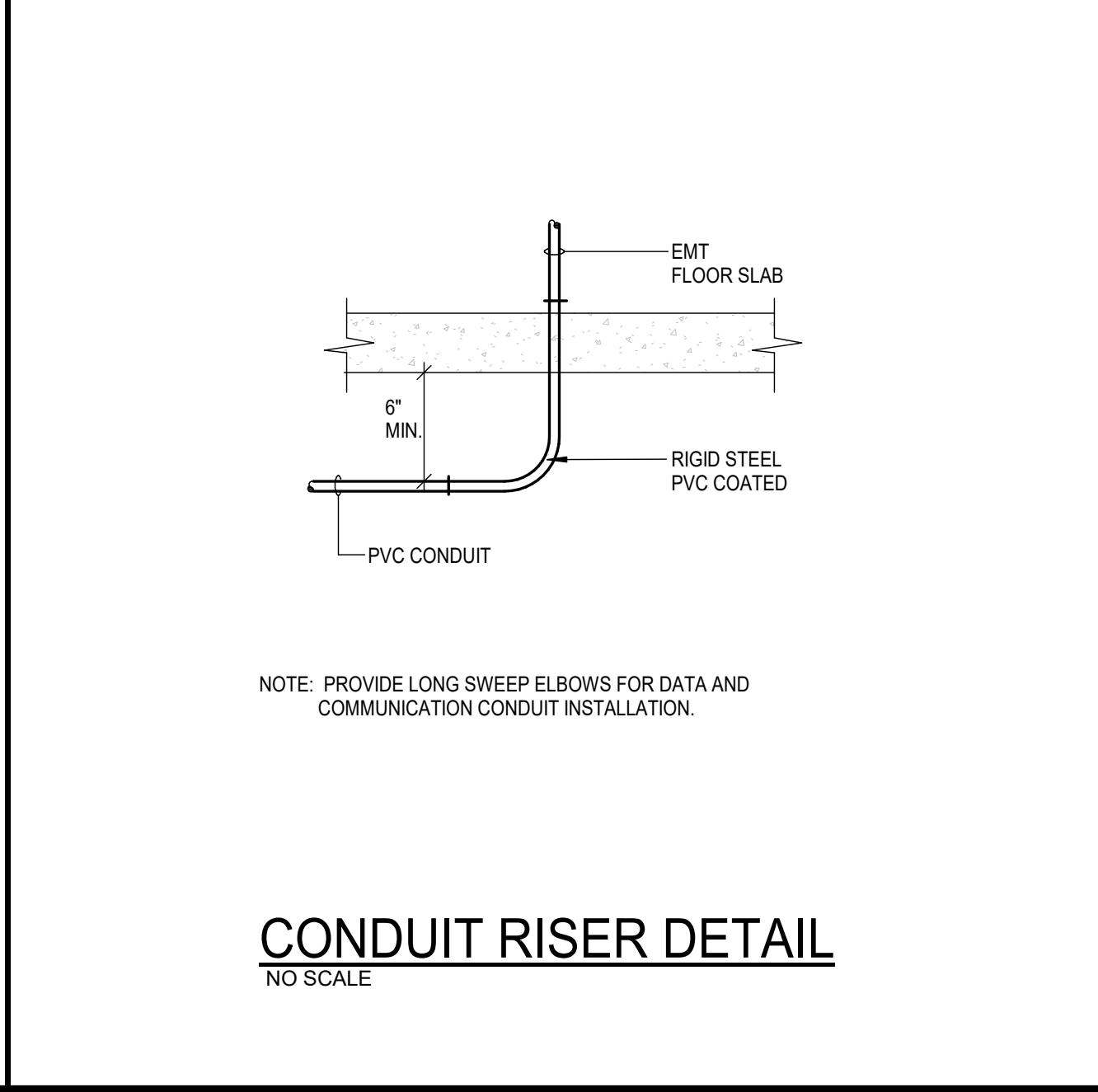
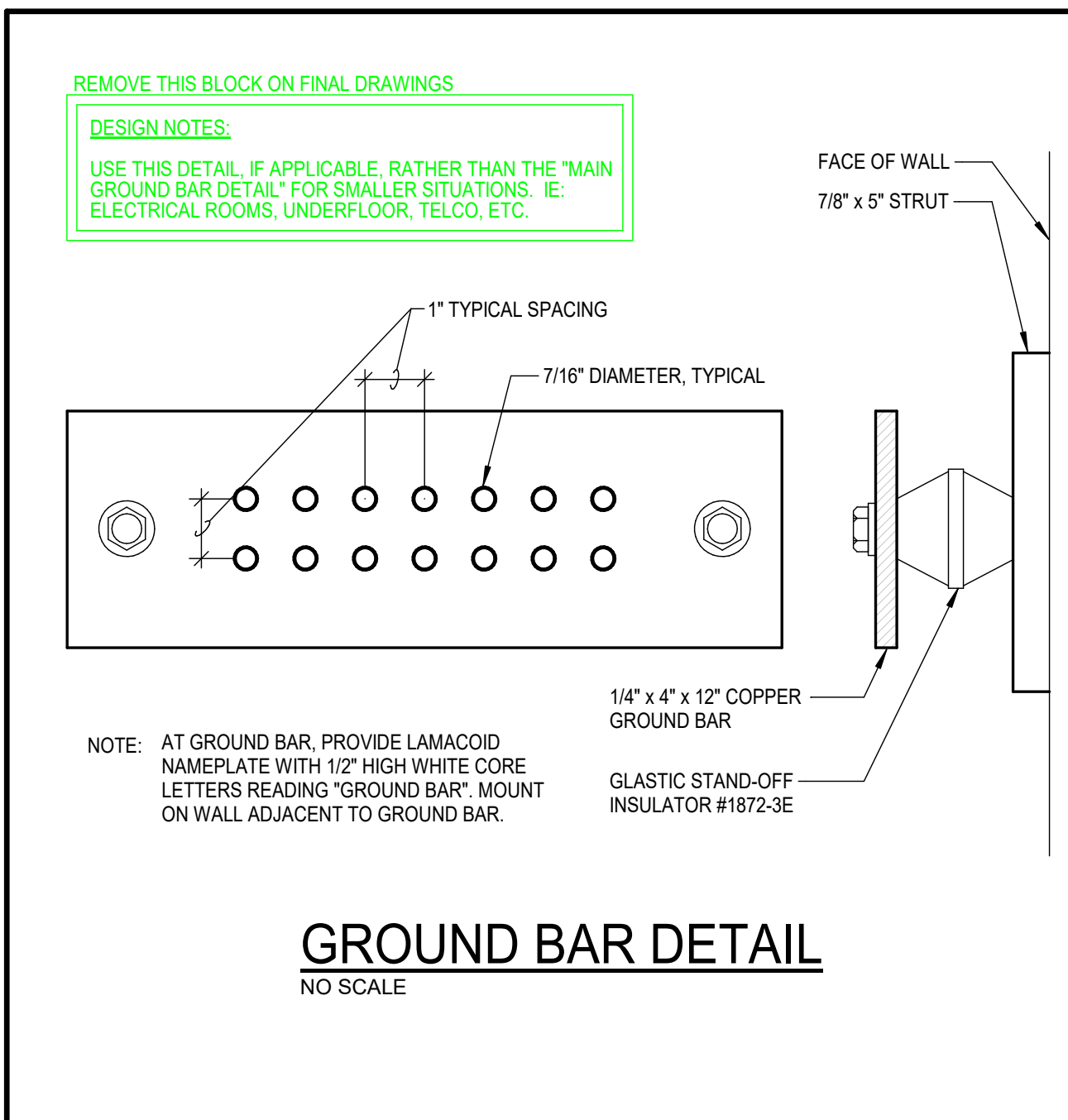
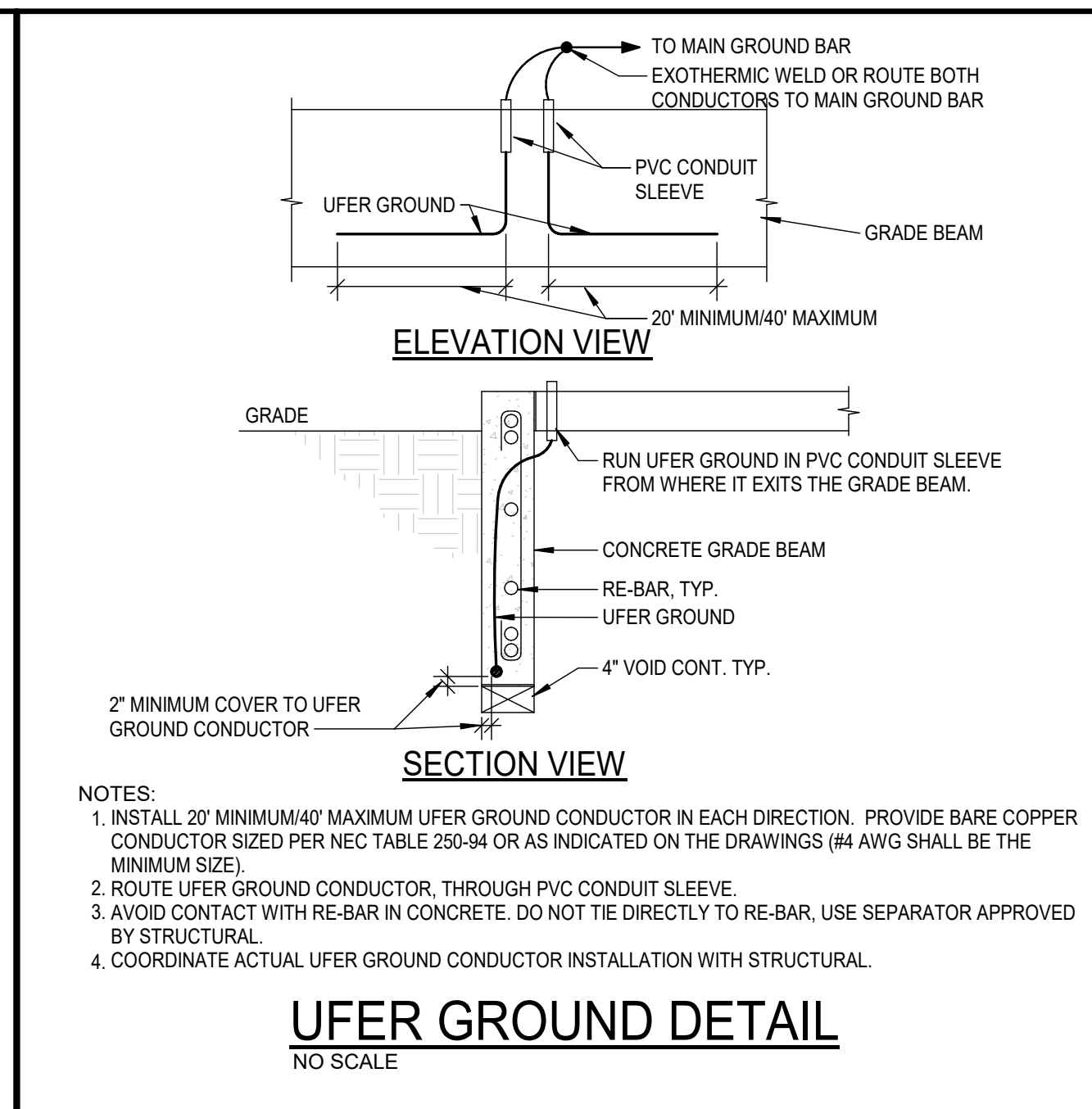
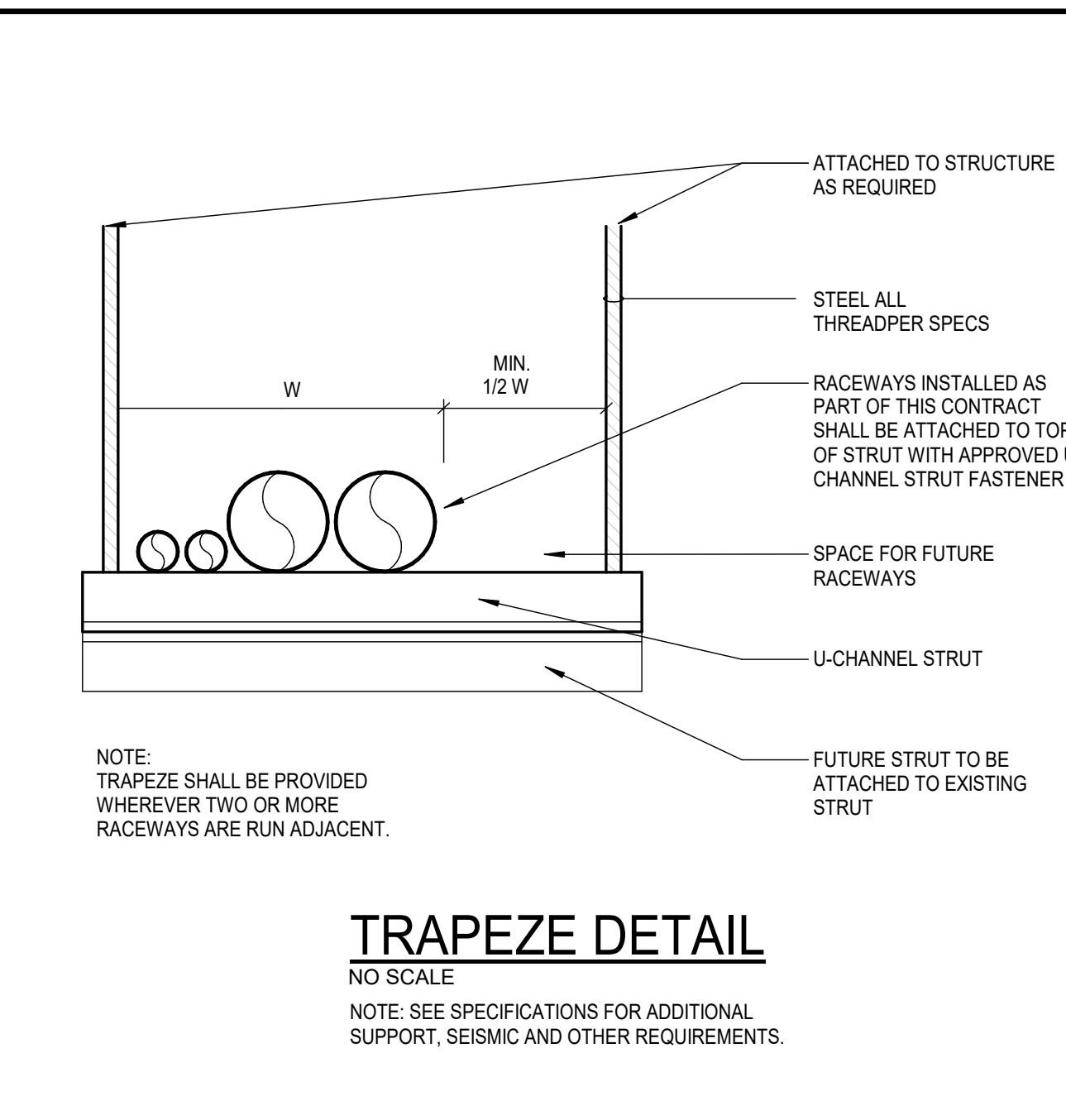
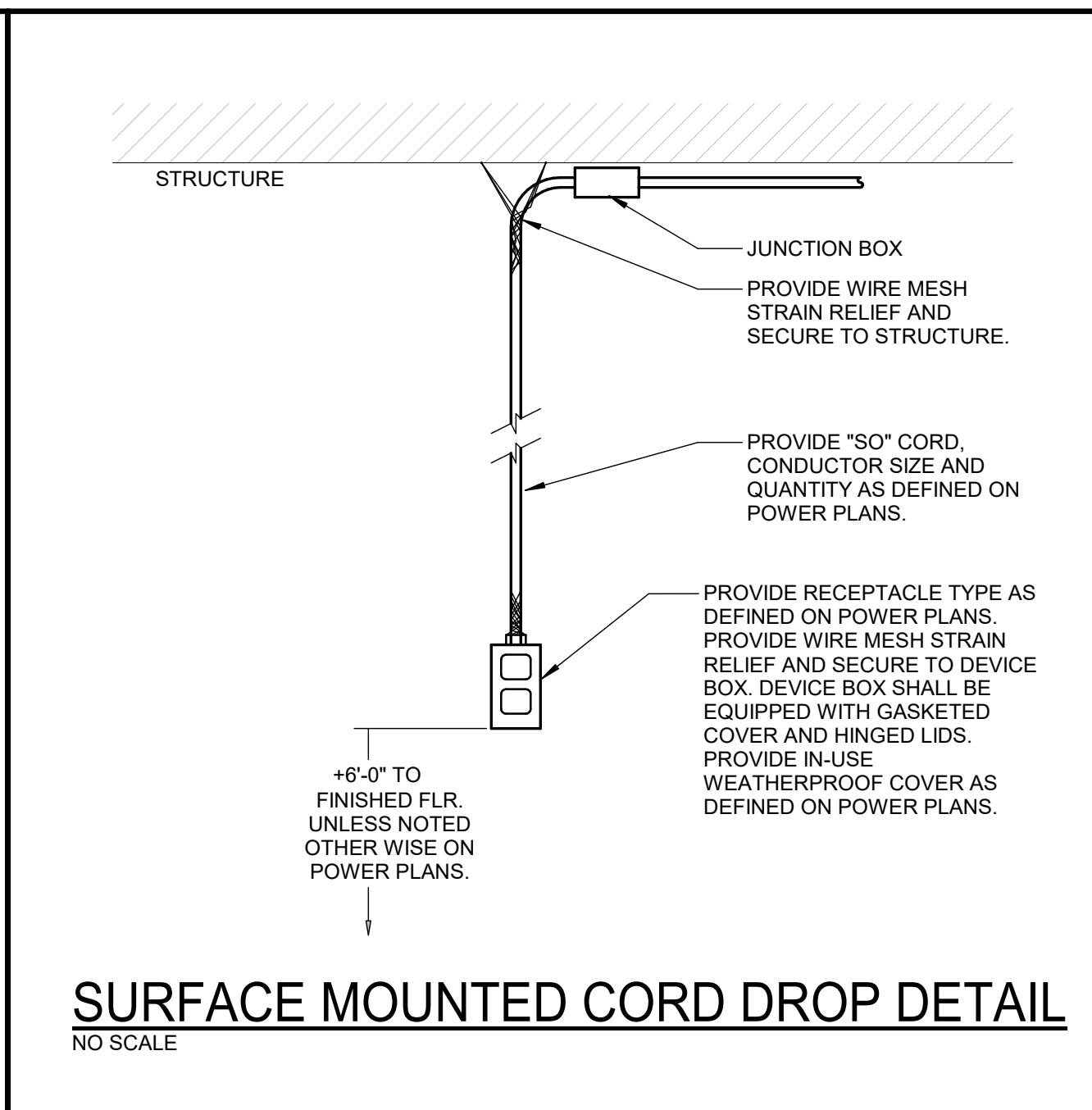
Project:  
**TWIN FALLS TRAINING FACILITY**  
420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
Date: 11/22/2022  
Checked By: Checker  
Drawn By: Author  
Sheet Name:

**ELECTRICAL DETAILS**

Sheet No:  
**E5.01**



A

B

C

D

E

1

2

3

4

5

6

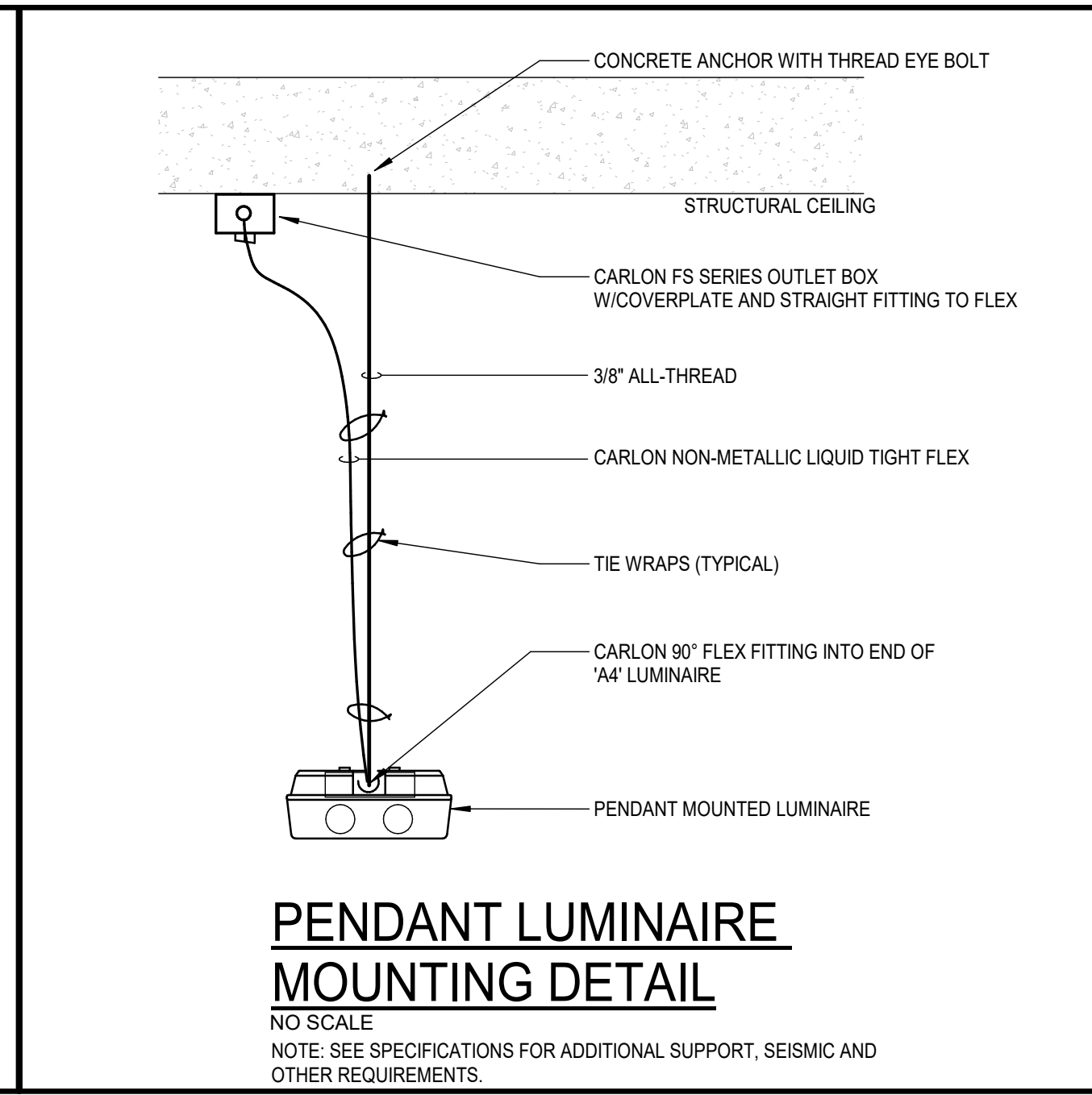
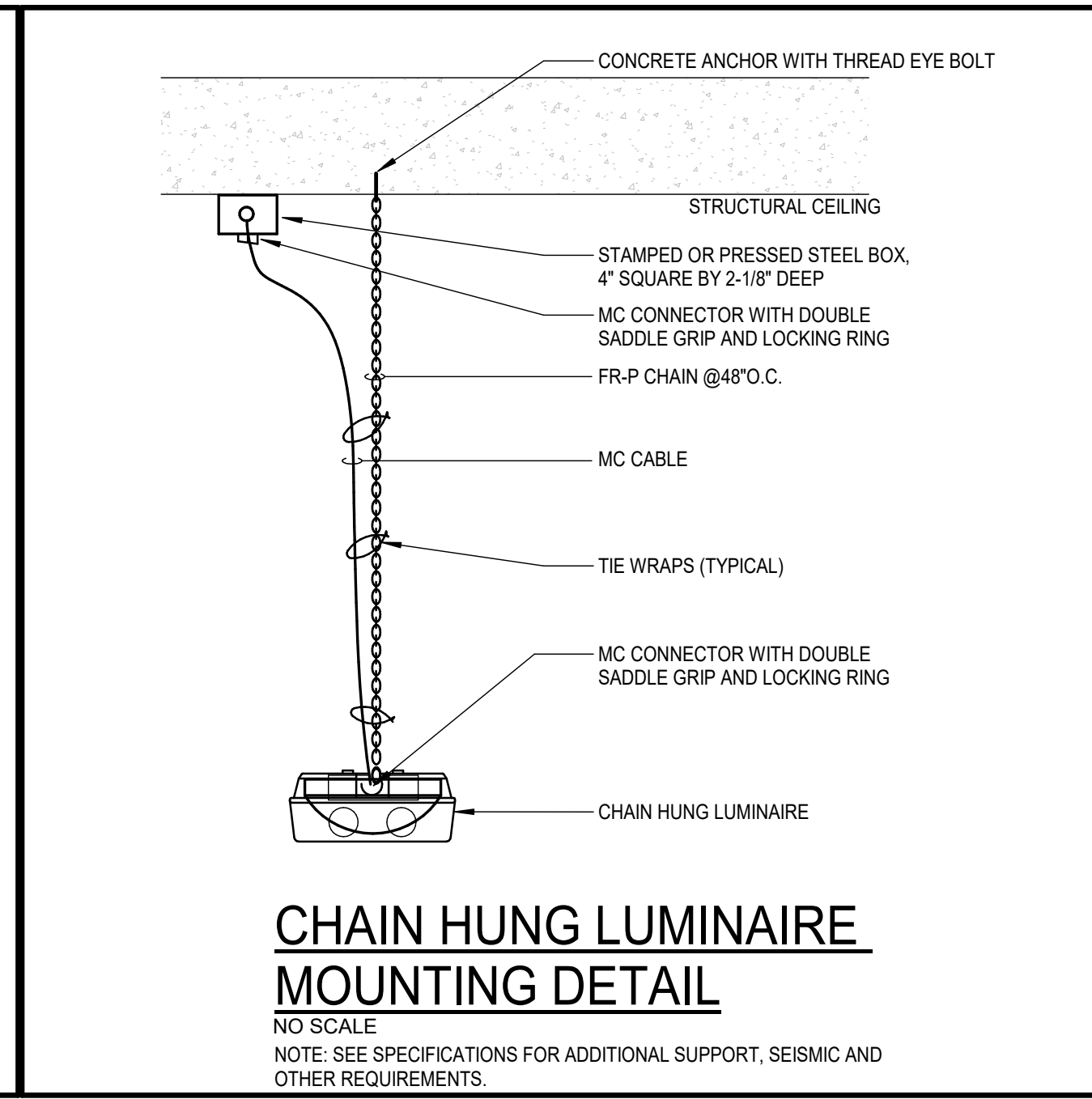
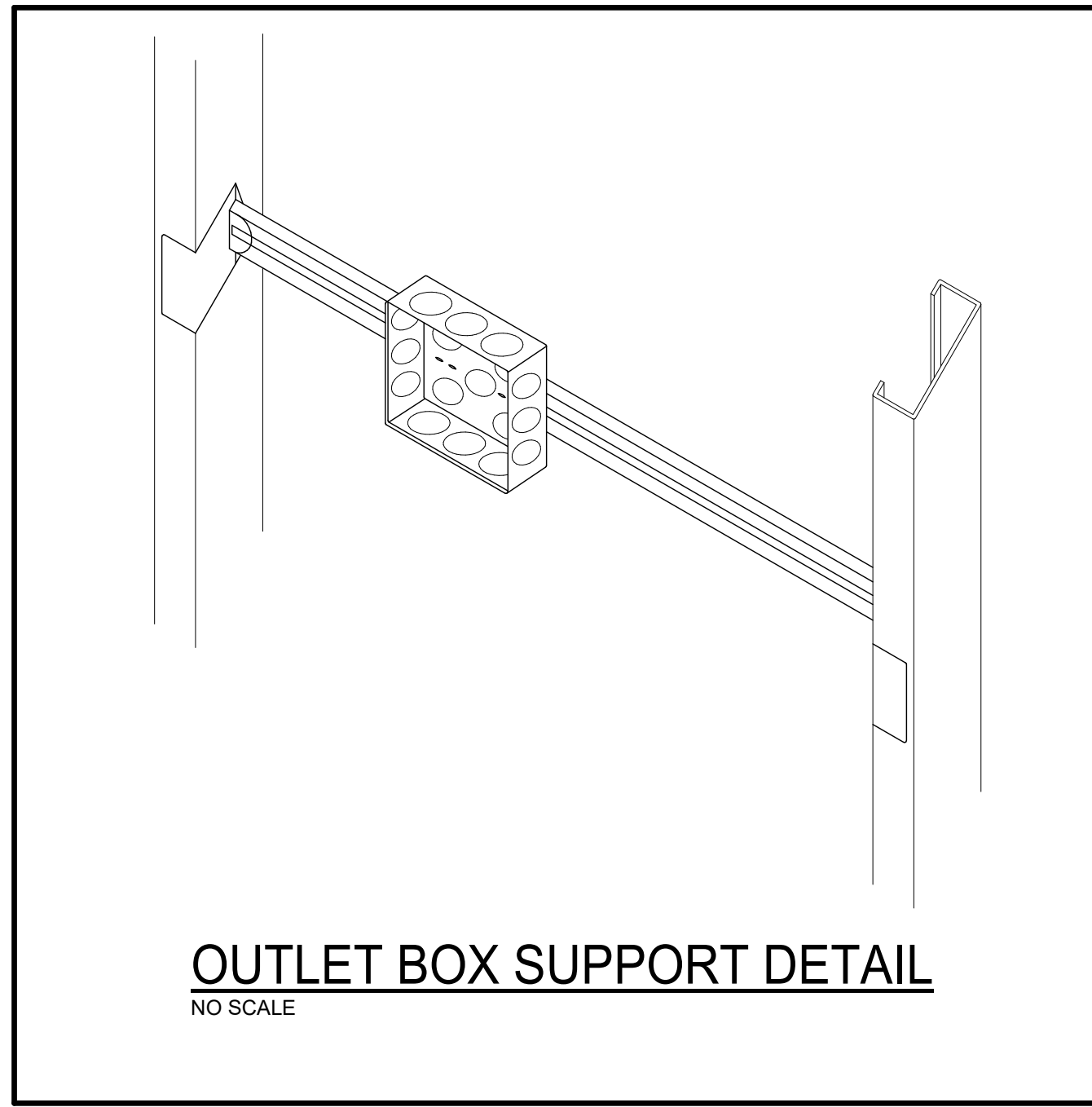
A

B

C

D

E



STAMP

Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
Date: 11/22/2022  
Checked By: Checker  
Drawn By: Author

Sheet Name:

**ELECTRICAL DETAILS**

Sheet No:

**E5.02**



A

B

C

D

E

ABBREVIATIONS LEGEND <small>(Not all symbols listed below are used on these drawings)</small>			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AC	ABOVE COUNTER MOUNT HORIZONTALLY TO CENTERLINE OF DEVICE. "H" ABOVE COUNTER OR BACK SPLASH	NTS	NOT TO SCALE
AF	ABOVE FINISHED FLOOR	OC	ON CENTER
AFG	ABOVE FINISHED GRADE	OFI	OWNER FURNISHED, CONTRACTOR INSTALLED
ARF	ABOVE RAISED FLOOR	OFD	OWNER FURNISHED, OWNER INSTALLED
BFG	BELOW FINISHED GRADE	OSWF	ON SITE WORK FORCE
BIO	BIOHAZARD	PB	PULL BOX
C	CONDUIT	PZ	PIEZOSOUNDER
CATV	CABLE TELEVISION	POS	POINT OF SALES
CCTV	CLOSED CIRCUIT TELEVISION	SB	STAND-BY
CTRL	CONTROL	SCH	SCHEDULER
(E)	EXISTING	TC	TIME CLOCK
EM	EMERGENCY	TP	TAMPER PROOF
EP	EMERGENCY PHONE	TR	TELECOMMUNICATIONS ROOM
ETC	ELAPSE TIME CLOCK	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
EWB	ELECTRIC WHITE BOARD	TYP	TYPICAL
FA	FIRE ALARM	UF	UNDER FLOOR
G	GROUND	UG	UNDER GROUND
I/O P	INPUT / OUTPUT PLATE	UON	UNLESS OTHERWISE NOTED
LD	LOCK DOWN	UPS	UNINTERRUPTIBLE POWER SUPPLY
MAX	MAXIMUM	WI	WITH
MIN	MINIMUM	W/O	WITHOUT
NC	NORMALLY CLOSED	WM	WIREMOLD
NIC	NOT IN CONTRACT	WP	WEATHER PROOF
NO	NORMALLY OPEN	RO	ROUGH IN ONLY

REFERENCE SYMBOLS LEGEND <small>(Not all symbols listed below are used on these drawings)</small>			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	NOTE REFERENCE		DOOR NUMBER
	OWNER/MEDICAL EQUIPMENT REFERENCE		EXISTING TO BE RELOCATED
	# = TYPICAL LAYOUT TYPE		TR ZONE LINE
	TR = LOCATION OF TYPICAL LAYOUT TYPE INFORMATION		REVISION

TECHNOLOGY LEGEND <small>(Not all symbols listed below are used on these drawings)</small>			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WALL FIELD		CEILING MOUNTED OUTLET (# = QTY OF CABLES, XXX = SEE BELOW)
	TELECOM GROUND BAR		AV = AUDIO VISUAL
	WIRE BASKET TRAY		SEC = SECURITY
	CABLE TRAY		WAP = WIRELESS ACCESS POINT
	J-HOOK PATHWAY		PRJ = PROJECTOR
	FLOOR SPACE BOX DATA OUTLET (# = QTY OF CABLES)		DATA POWER POLE (XXX = SEE BELOW)
	POKE-THRU (# = QTY OF CABLES)		SR = SURFACE RACEWAY
	DATA OUTLET (# = QTY OF CABLES, XXX = SEE BELOW, ZZ = ELEVATION)		SEC = SECURITY
	D = MEDICAL/SUPPLY DISPENSER		SR = SURFACE RACEWAY
	T = TRANSLATION PHONE		TV = TELEVISION COAXIAL CABLE (ZZ = ELEVATION)
	EP = EMERGENCY PHONE		TC = TIME CLOCK
	F = FACP		CEILING MOUNTED TELEVISION COAXIAL OUTLET
	W = WALL PHONE		FLOOR BOX
	POS = POINT OF SALE		POKE THRU (XXX = SEE BELOW)
	AV = AUDIO VISUAL		FF = FURNITURE FEED
	PRT = PRINTER		AV = AUDIO VISUAL
	MFP = MULTI FUNCTIONS PRINTER		WALL MOUNTED JBOX (XXX = SEE BELOW, ZZ = ELEVATION)
	WP = WEATHER PROOF		DIS = DISPLAY
	WP = WEATHER PROOF		AV = AUDIO VISUAL
	SCH = SCHEDULER		PULLBOX (YY = SIZE)
	CLK = CLOCK		CLOCK OUTLET (XXX = SEE BELOW)
			DS = DOUBLE SIDED
			DIGITAL (PROVIDE 1 CAT 6 CONNECTION)
			A = ANALOG
			D = DIGITAL
			COMBINATION CLOCK/SPEAKER OUTLET (XXX = SEE BELOW)
			A = ANALOG
			D = DIGITAL
			CEILING MOUNTED CLOCK
			DISTRIBUTED ANTENNA SYSTEM
			WIRELESS ACCESS POINT ENCLOSURE
			EQUIPMENT RACK
			WIRE MANAGER
			CABINET

GENERAL NOTES:

- WORK INCLUDED IN THE CONTRACT IS DENOTED IN BOLD. EXISTING CONDITIONS TO REMAIN ARE DENOTED LIGHTLY.
- PROTECT STRUCTURE AND OWNER EQUIPMENT FROM DAMAGE. IMMEDIATELY REPLACE OR REPAIR TO ORIGINAL CONDITION. DAMAGE CAUSED BY THE CONTRACTOR WHETHER EQUIPMENT APPEARS TO BE CURRENTLY IN USE OR NOT, UNLESS WRITTEN AUTHORIZATION FROM THE OWNER INDICATED OTHERWISE. PREPARE LISTING OF ALL EXISTING DAMAGED ITEMS AND SUBMIT TO OWNER PRIOR TO BEGINNING WORK.
- INSTALL CONDUIT CONCEALED IN FINISHED AREAS UNLESS OTHERWISE NOTED. PAINT EXPOSED CONDUIT TO MATCH EXISTING FINISHES WITHIN THE SURROUNDING AREA.
- DO NOT ROUTE CONDUIT WITHIN STRUCTURAL OR TOPPING SLABS OF FLOORS UNLESS SPECIFICALLY NOTED OTHERWISE AND WRITTEN APPROVAL IS OBTAINED FROM THE STRUCTURAL ENGINEER.
- FIRE SEAL ALL FIRE RATED WALL AND FLOOR PENETRATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATED WALLS.
- A DETAILED WRITTEN METHOD OF PROCEDURE IS REQUIRED WHEN A CONSTRUCTION ACTIVITY OR AN OUTAGE AFFECTS THE SAFETY OF OCCUPANTS, TELEPHONE/DATA/FIRE ALARM EQUIPMENT OR COMPONENTS OF ANY SYSTEM WHICH SUPPORTS THIS EQUIPMENT OR ESSENTIALLY AFFECTS THE BUILDING MANAGEMENT, OPERATIONS OR SECURITY. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- EXISTING INFORMATION SHOWN ON THE DRAWINGS HAS BEEN TAKEN FROM OWNER FURNISHED DRAWINGS AND/OR LIMITED FIELD OBSERVATIONS. CATOR, RUMA & ASSOCIATES IS NOT RESPONSIBLE FOR THE ACCURACY OF ANY INFORMATION OR THE ADEQUACY, SAFETY AND CONFORMANCE TO CURRENT PREVAILING CODES OF ANY WORK SHOWN AS EXISTING ON THESE DRAWINGS.

TECHNOLOGY PLAN NOTES:

- PROVIDE 4 1 1/8" SQUARE DEEP OUTLET BOX AND SINGLE GANG MUD RING FOR ALL TELEDATA OUTLETS. ROUTE 1" CONDUIT FROM EACH OUTLET TO TELECOM ROOM UNLESS OTHERWISE NOTED. PROVIDE INSULATED THROAT CONNECTOR ON CONDUIT END. KEEP ALL EXPOSED CONDUITS TIGHT TO STRUCTURE.
- PROVIDE 4 1 1/8" SQUARE DEEP OUTLET BOX AND SINGLE GANG MUD RING FOR ALL SECURITY, CCTV ACCESS CONTROL, AND TELEVISION OUTLETS. ROUTE 3/4" CONDUIT FROM EACH OUTLET TO TELECOM ROOM UNLESS NOTED OTHERWISE. PROVIDE INSULATED THROAT CONNECTOR ON CONDUIT END. KEEP ALL EXPOSED CONDUITS TIGHT TO STRUCTURE.
- PROVIDE 2" SERVICE LOOP AT ALL WIRELESS ACCESS POINT LOCATIONS. TERMINATE CABLE ON A SURFACE MOUNT OUTLET BOX.
- HOMERUN ALL VOICE, DATA, TELEVISION, ACCESS CONTROL, SECURITY, AND CCTV CABLES TO DESIGNATED CONTROL PANELS, PATCH PANELS, OR WALL FIELDS IN TELECOMMUNICATION ROOM.
- COORDINATE AND VERIFY EXACT MOUNTING LOCATIONS OF WALL, CEILING, AND FLOOR DEVICES WITH ARCHITECTURAL ELEVATIONS, AND ANY FURNITURE OR SPECIALTY EQUIPMENT SUPPLIER DRAWINGS PRIOR TO ROUGH-IN.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY ENGINEER OF ANY ADVERSE FIELD CONDITIONS PRIOR TO PERFORMING ANY WORK.
- PROVIDE (2) 1-1/4" CONDUITS FROM LOW VOLTAGE COMPARTMENTS OF FLOOR BOX TO ABOVE ACCESSIBLE CEILING ON THE SAME LEVEL. ROUTE CONDUIT FROM FLOOR BOX IN SLAB TO AVOID ANY EXPOSURE TO THE SPACE BELOW. PROVIDE ANY REQUIRED FACE PLATES, INSERTS, AND BLANKS TO COMPLETE INSTALLATION.
- ALL CONDUIT DEDICATED FOR TECHNOLOGY SYSTEMS SHALL BE INSTALLED IN EMT UNLESS OTHERWISE NOTED. FLEX CONDUIT SHALL NOT BE USED WITHOUT PRIOR APPROVAL FROM THE ENGINEER OR OWNER.
- CONDUIT DEDICATED FOR TECHNOLOGY SYSTEMS SHOULD NOT EXCEED 100' OR CONTAIN MORE THAN 180 DEGREES OF TOTAL BENDS WITHOUT UTILIZING APPROPRIATELY SIZED PULL BOXES. BEND RADIUS FOR CONDUIT DEDICATED FOR TECHNOLOGY SHALL BE 6 TIMES THE DIAMETER OF THE CONDUIT FOR CONDUITS 2" OR LESS, AND 10 TIMES THE DIAMETER OF THE CONDUITS EXCEEDING 2". L-BENDS SHALL NOT BE USED.



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



420 South Orchard Street, Boise, ID 83705  
(208) 343-3663 • www.catorruma.com

Project:  
TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
Date: 11/22/2022  
Checked By: CMK  
Drawn By: JMS

Sheet Name:

TECHNOLOGY LEGENDS & NOTES

Sheet No:

T0.01

1

2

3

4

5

6

KEYNOTES

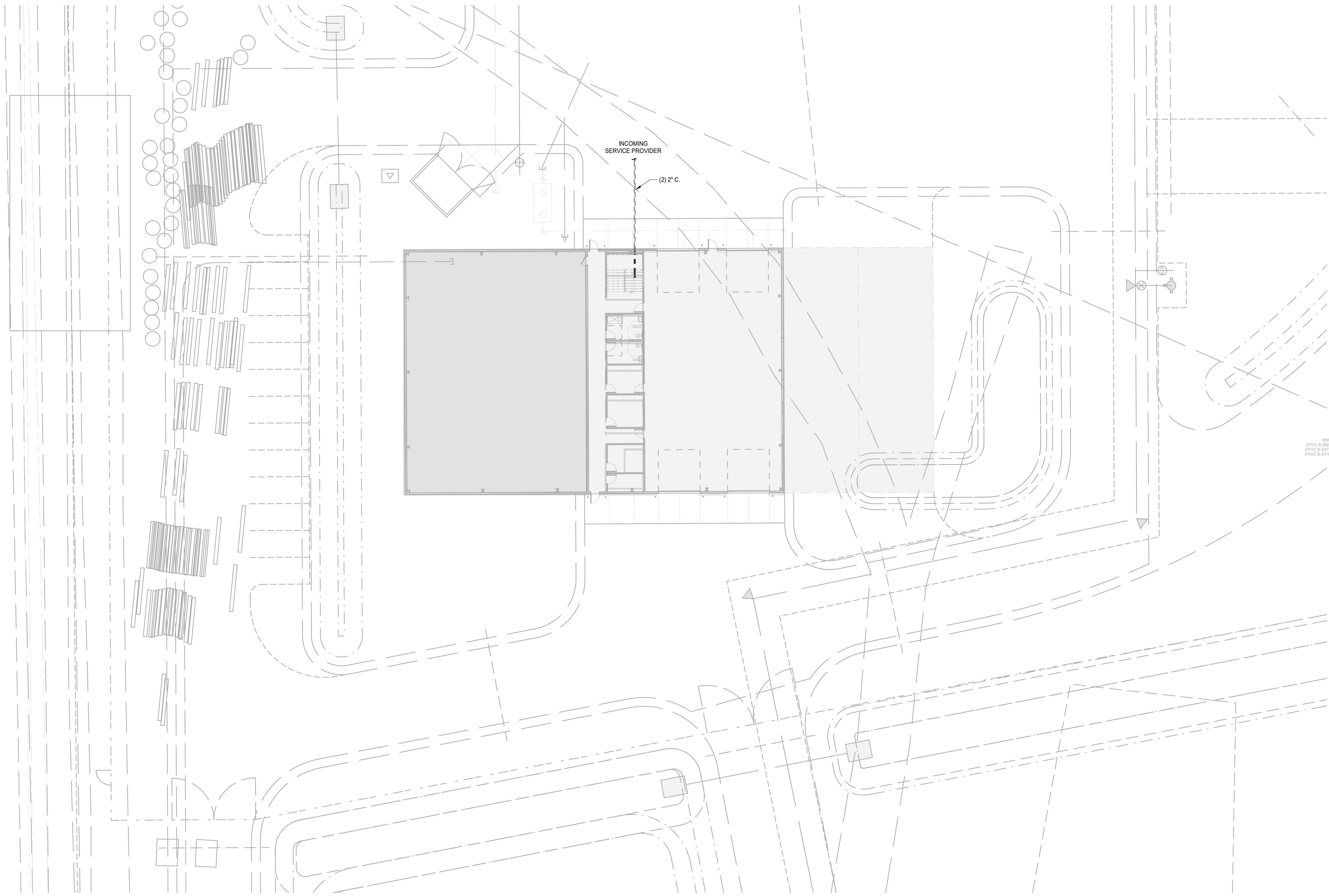
A

B

C

D

E



11/22/2022  
 11:17:29 AM  
 P:\Hanna\2020\2020-481 Twin Falls Fire Training Facility\Cad


**TECHNOLOGY SITE PLAN**  
 SCALE: 1/16" = 1'-0"



PIVOT NORTH ARCHITECTURE, PLLC.  
 116 S. 6TH STREET  
 BOISE, ID 83702  
 www.pivotnorthdesign.com

STAMP



CATOR | RUMA  
 & ASSOCIATES, C.O.  
 420 South Orchard Street, Boise, ID 83705  
 (208) 343-3663 • www.catorrumba.com

Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
 Date: 11/22/2022  
 Checked By: CMK  
 Drawn By: JMS

Sheet Name:  
**TECHNOLOGY SITE PLAN**

Sheet No:

T1.01

1

2

3

4

5

6

A

B

C

D

E

KEYNOTES	
T3	ROUTE (1) 2" C. WITH WEATHER HEAD TO ROOF FOR RADIO ANTENNA. COORDINATE EXACT ANTENNA LOCATION WITH ARCHITECT AND RADIO VENDOR.



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



CATOR | RUMA  
& ASSOCIATES, C.O.  
420 South Orchard Street, Boise, ID 83705  
(208) 343-3663 • www.catorrumba.com

Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

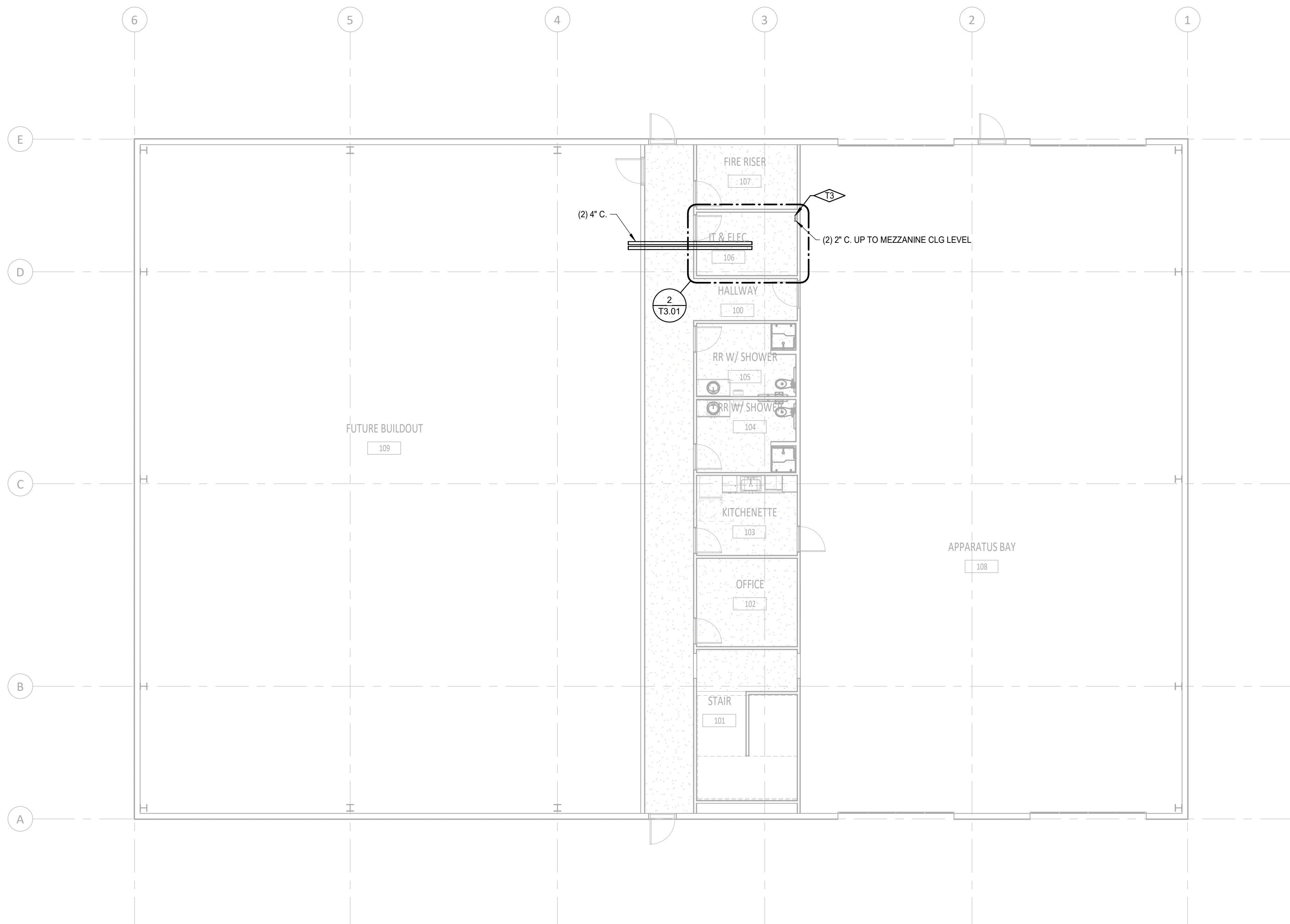
Project No: 19-029  
Date: 11/22/2022  
Checked By: CMK  
Drawn By: JMS

Sheet Name:

**LEVEL 1 -  
TECHNOLOGY  
PATHWAY PLAN**

Sheet No:

T2.01



**LEVEL 1 - TECHNOLOGY PATHWAY PLAN**  
SCALE: 1/8" = 1'-0"

1

2

3

4

5

6

KEYNOTES	
T3	ROUTE (1) 2" C. WITH WEATHER HEAD TO ROOF FOR RADIO ANTENNA. COORDINATE EXACT ANTENNA LOCATION WITH ARCHITECT AND RADIO VENDOR.



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



CATOR | RUMA  
& ASSOCIATES, C.O.  
420 South Orchard Street, Boise, ID 83705  
(208) 343-3663 • www.catorrumba.com

Project:  
TWIN FALLS TRAINING FACILITY

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
Date: 11/22/2022  
Checked By: CMK  
Drawn By: JMS

Sheet Name:

LEVEL 2 -  
TECHNOLOGY  
PATHWAY PLAN

Sheet No:

T2.02

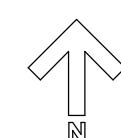
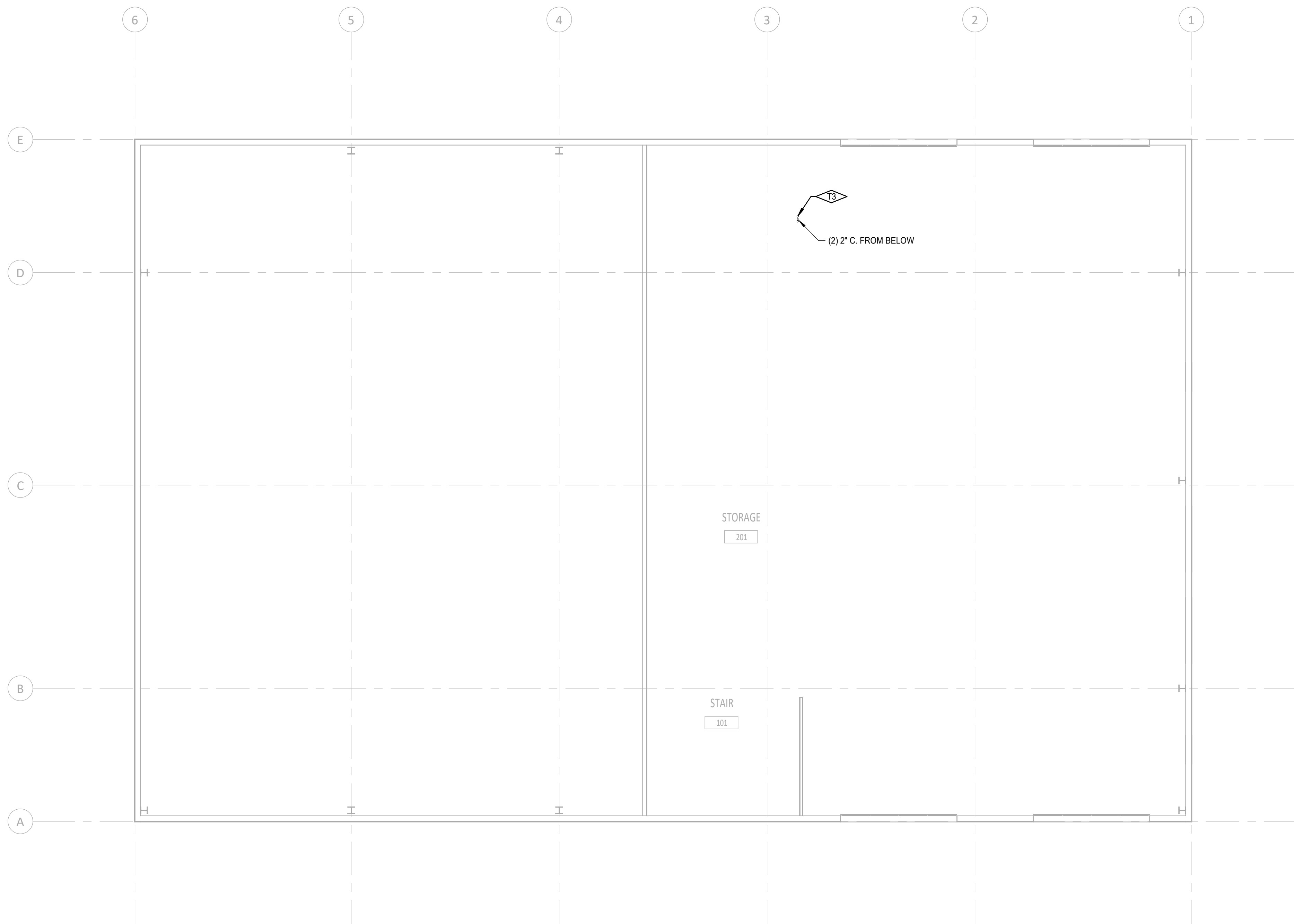
A

B

C

D

E



**LEVEL 2 - TECHNOLOGY PATHWAY PLAN**

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

1"  
IF LINE DOES NOT MEASURE 1 INCH,  
DRAWING IS NOT TO SCALE

1

2

3

4

5

6

KEYNOTES

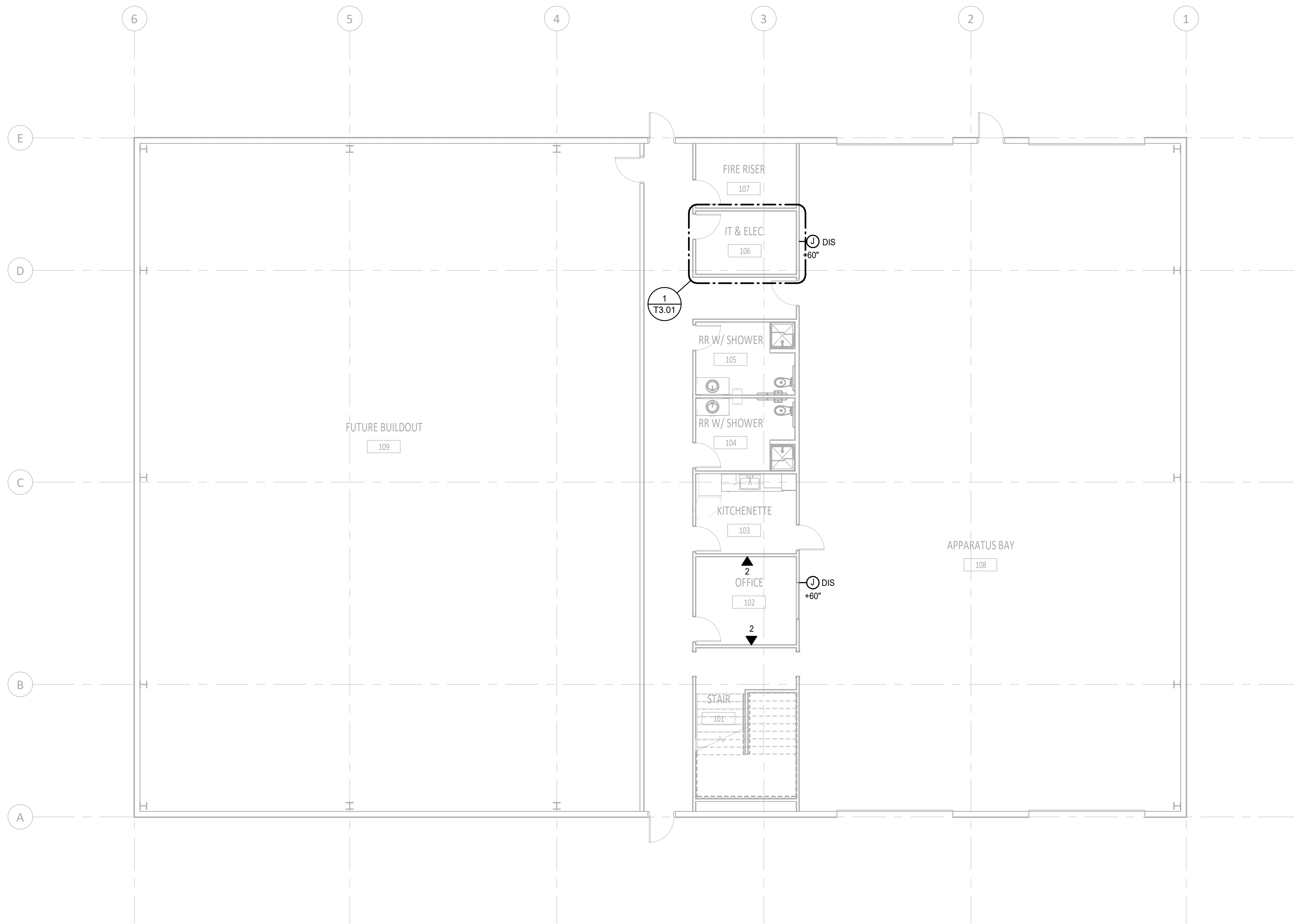
A

B

C

D

E



↑  
**LEVEL 1 - TECHNOLOGY PLAN**  
 SCALE: 1/8" = 1'-0"



PIVOT NORTH ARCHITECTURE, PLLC.  
 116 S. 6TH STREET  
 BOISE, ID 83702  
 www.pivotnorthdesign.com

STAMP



Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
 Date: 11/22/2022  
 Checked By: CMK  
 Drawn By: JMS

Sheet Name:  
**LEVEL 1 -  
 TECHNOLOGY FLOOR  
 PLAN**

Sheet No:

T2.11



1

2

3

4

5

6

KEYNOTES



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
Date: 11/22/2022  
Checked By: CMK  
Drawn By: JMS

Sheet Name:

**LEVEL 2 -  
TECHNOLOGY FLOOR  
PLAN**

Sheet No:

**T2.12**

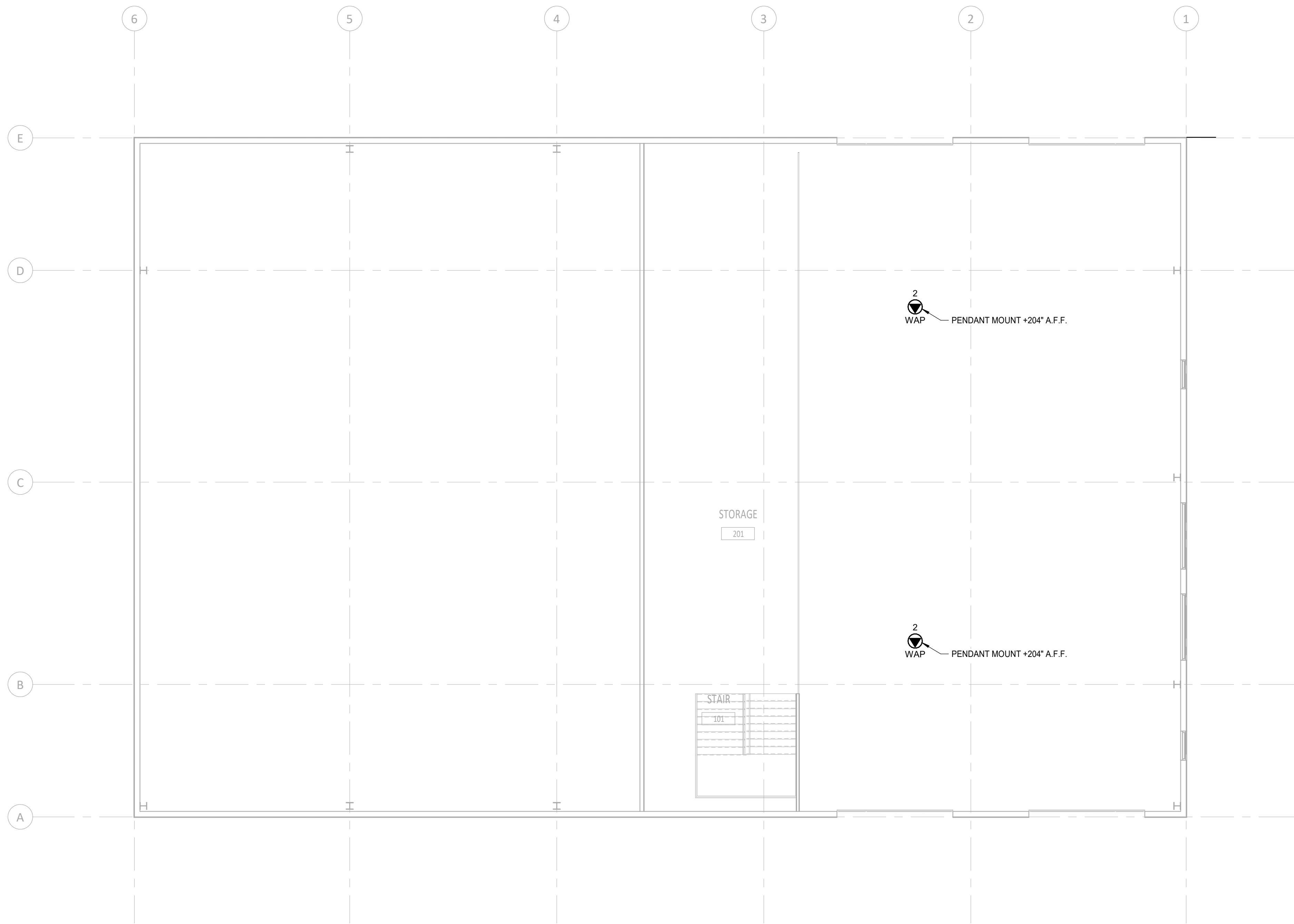
A

B

C

D

E



 **LEVEL 2 - TECHNOLOGY PLAN**  
SCALE: 1/8" = 1'-0"

1"  
IF LINE DOES NOT MEASURE 1 INCH,  
DRAWING IS NOT TO SCALE

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

KEYNOTES	
T3	ROUTE (1) 2" C. WITH WEATHER HEAD TO ROOF FOR RADIO ANTENNA. COORDINATE EXACT ANTENNA LOCATION WITH ARCHITECT AND RADIO VENDOR.

STAMP

Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

Project No: 19-029  
Date: 11/22/2022  
Checked By: CMK  
Drawn By: JMS

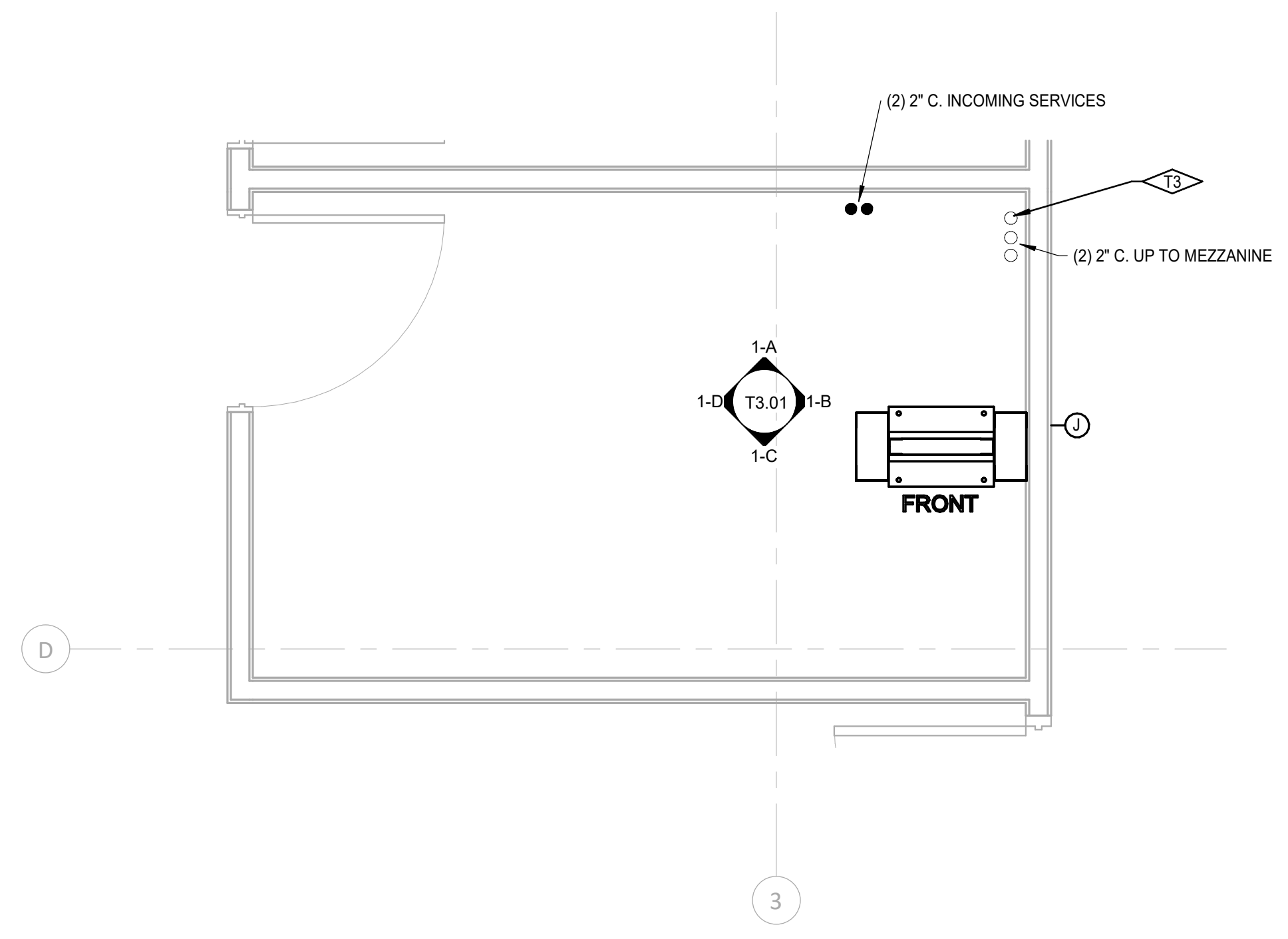
Sheet Name:

**TECHNOLOGY ENLARGED PLAN SERIES**

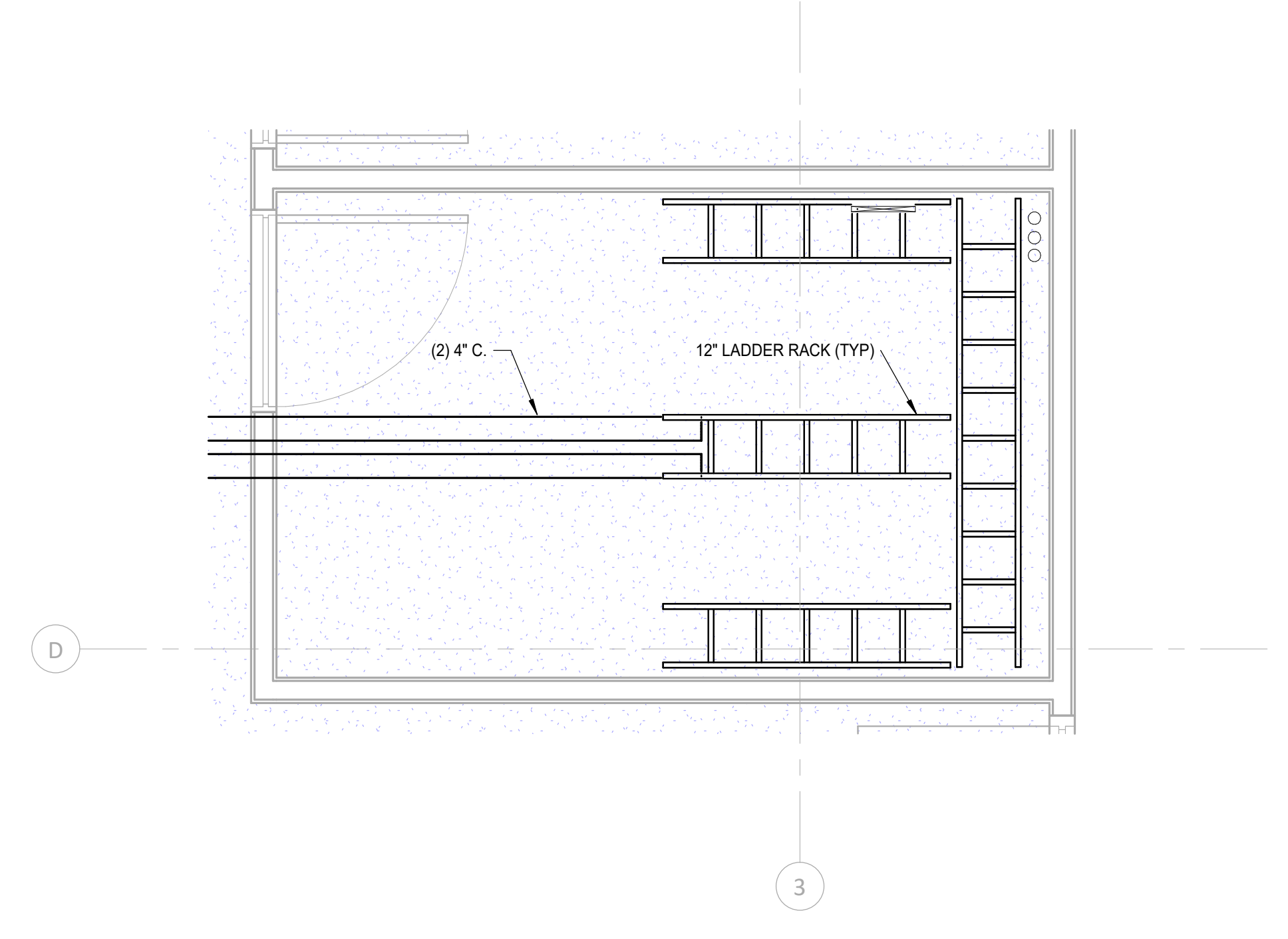
Sheet No:

**T3.01**

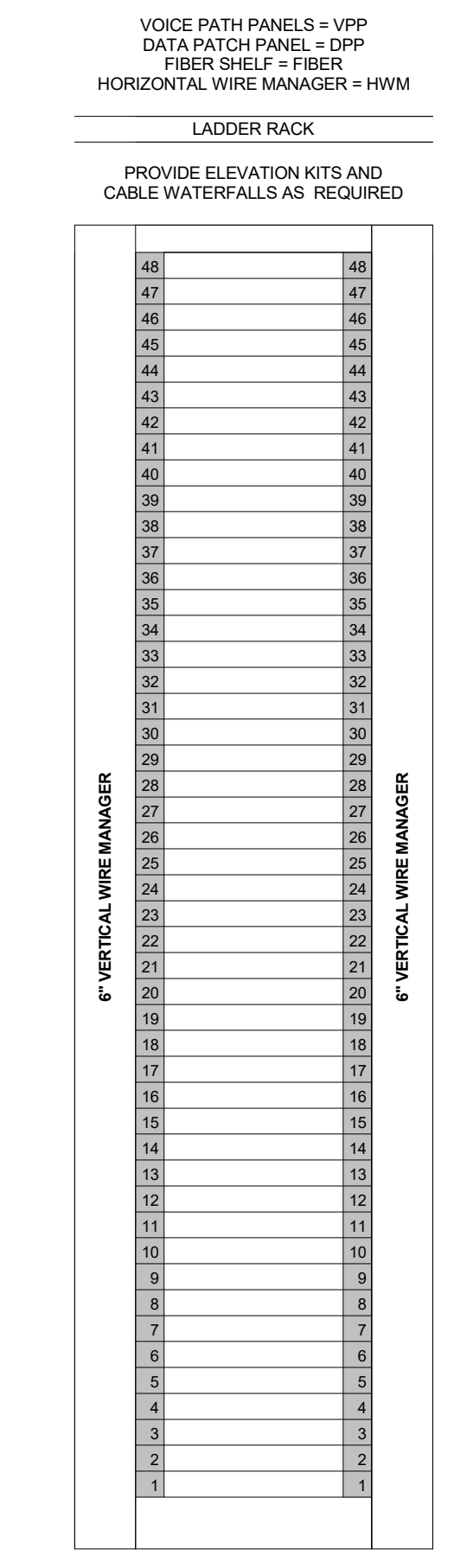
100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)



**1 TECHNOLOGY FLOOR PLAN - IT ROOM 106**  
SCALE: 1/2" = 1'-0"

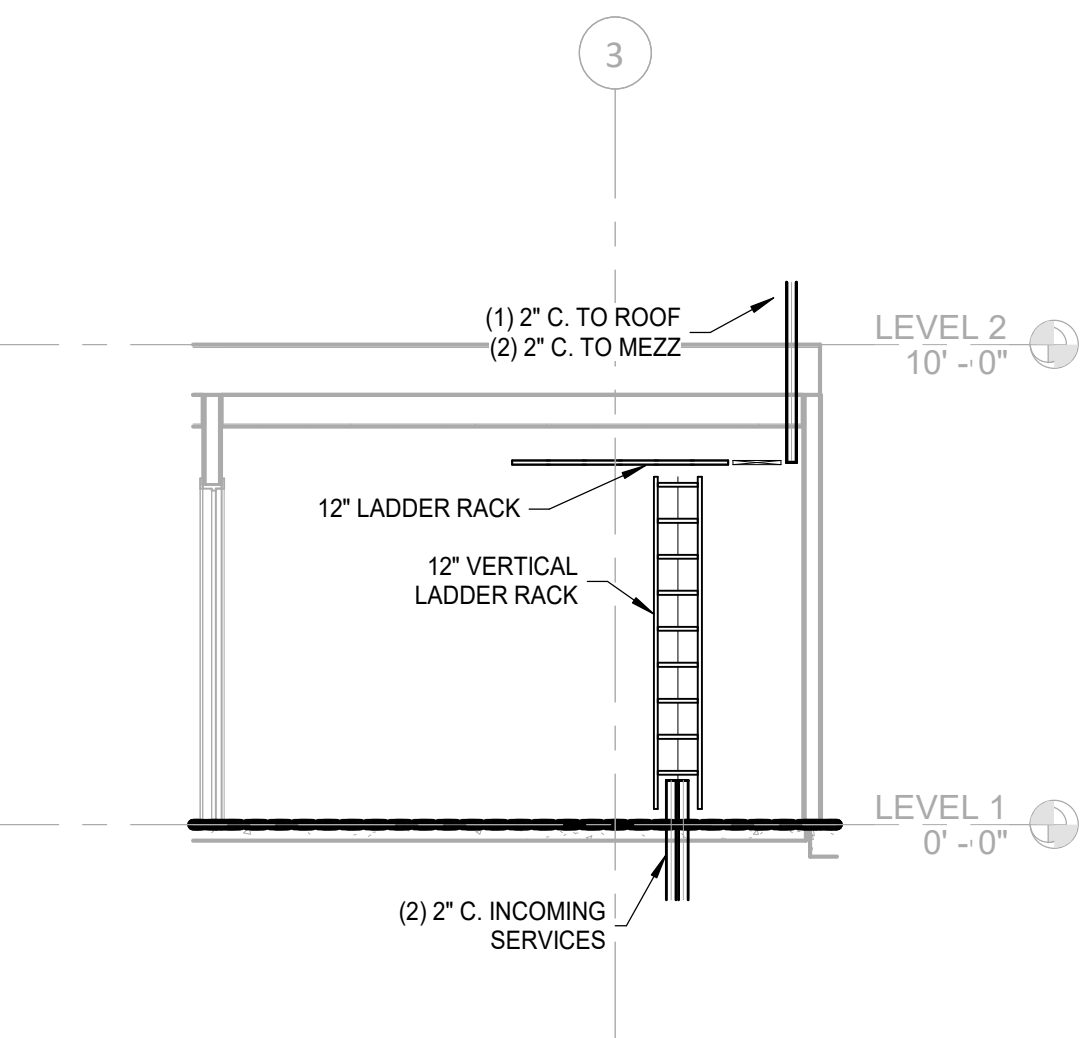


**2 TECHNOLOGY RCP PLAN - IT ROOM 106**  
SCALE: 1/2" = 1'-0"

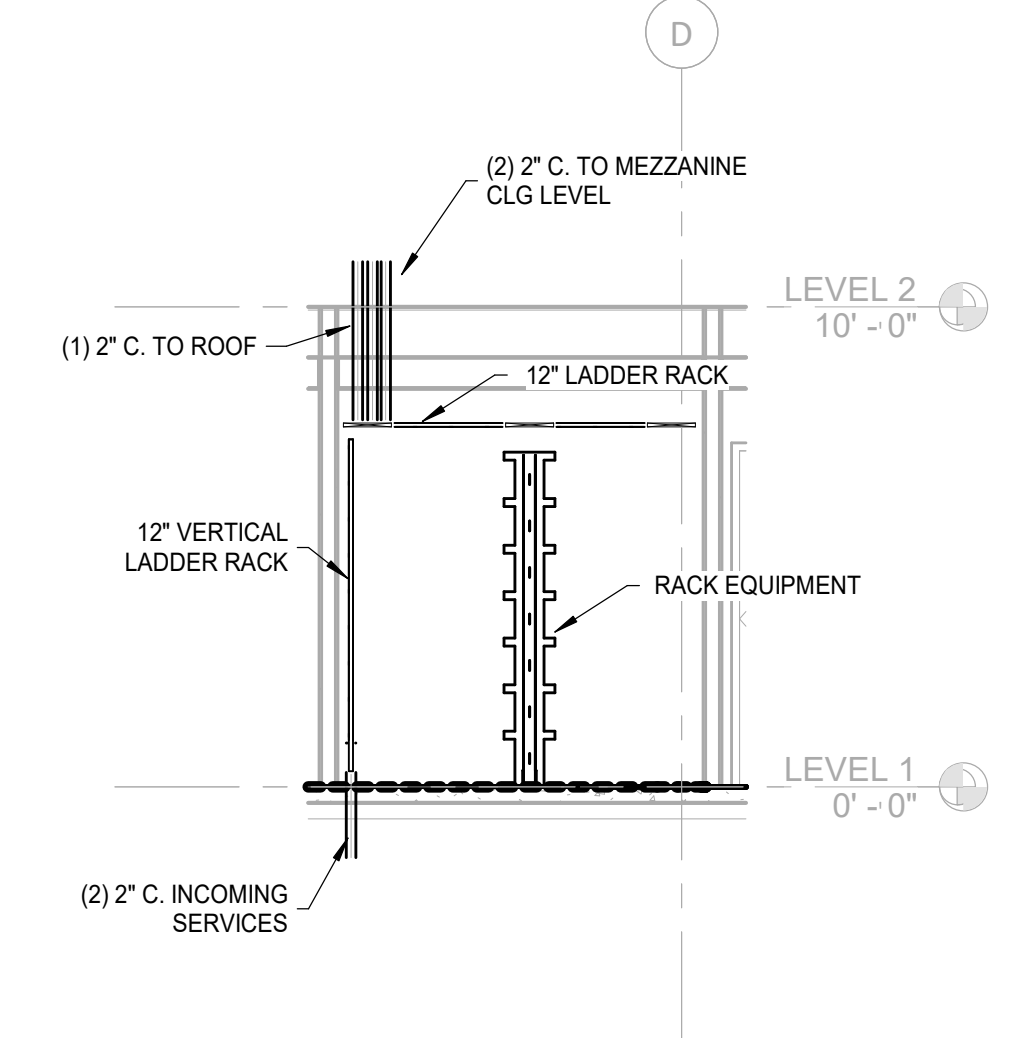


**RACK ELEVATION**  
SCALE: NONE

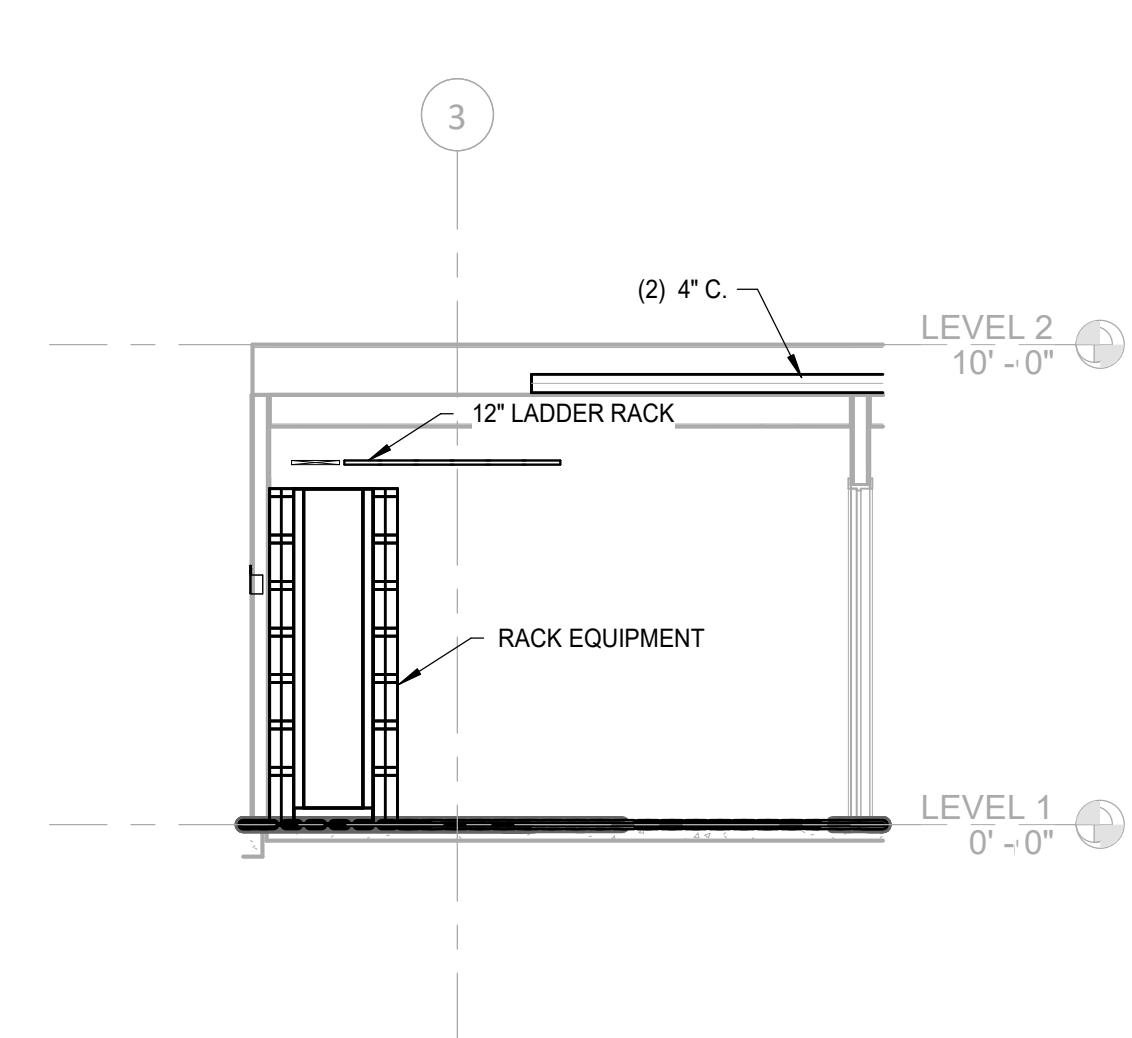
NOTE:  
PROVIDE 3/4" AC GRADE FIRE RETARDANT PLYWOOD FROM 6" ABOVE FLOOR LEVEL TO 8'-6" A.F.F. ON THE INTERIOR WALLS. PAINT WHITE, LEAVING ONE FIRE RATING STAMP VISIBLE PER PIECE OF PLYWOOD.



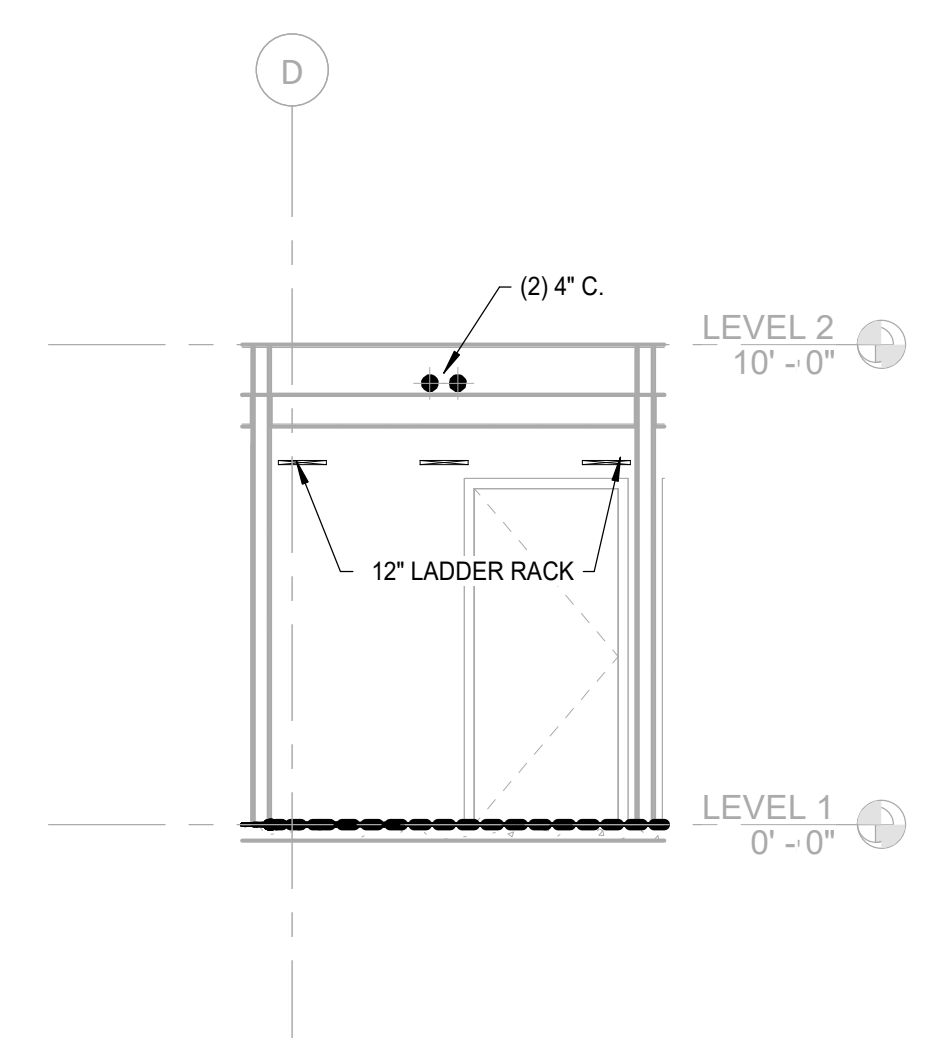
**ELEVATION 1-A**  
SCALE: NONE



**ELEVATION 1-B**  
SCALE: NONE



**ELEVATION 1-C**  
SCALE: NONE



**ELEVATION 1-D**  
SCALE: NONE

1

2

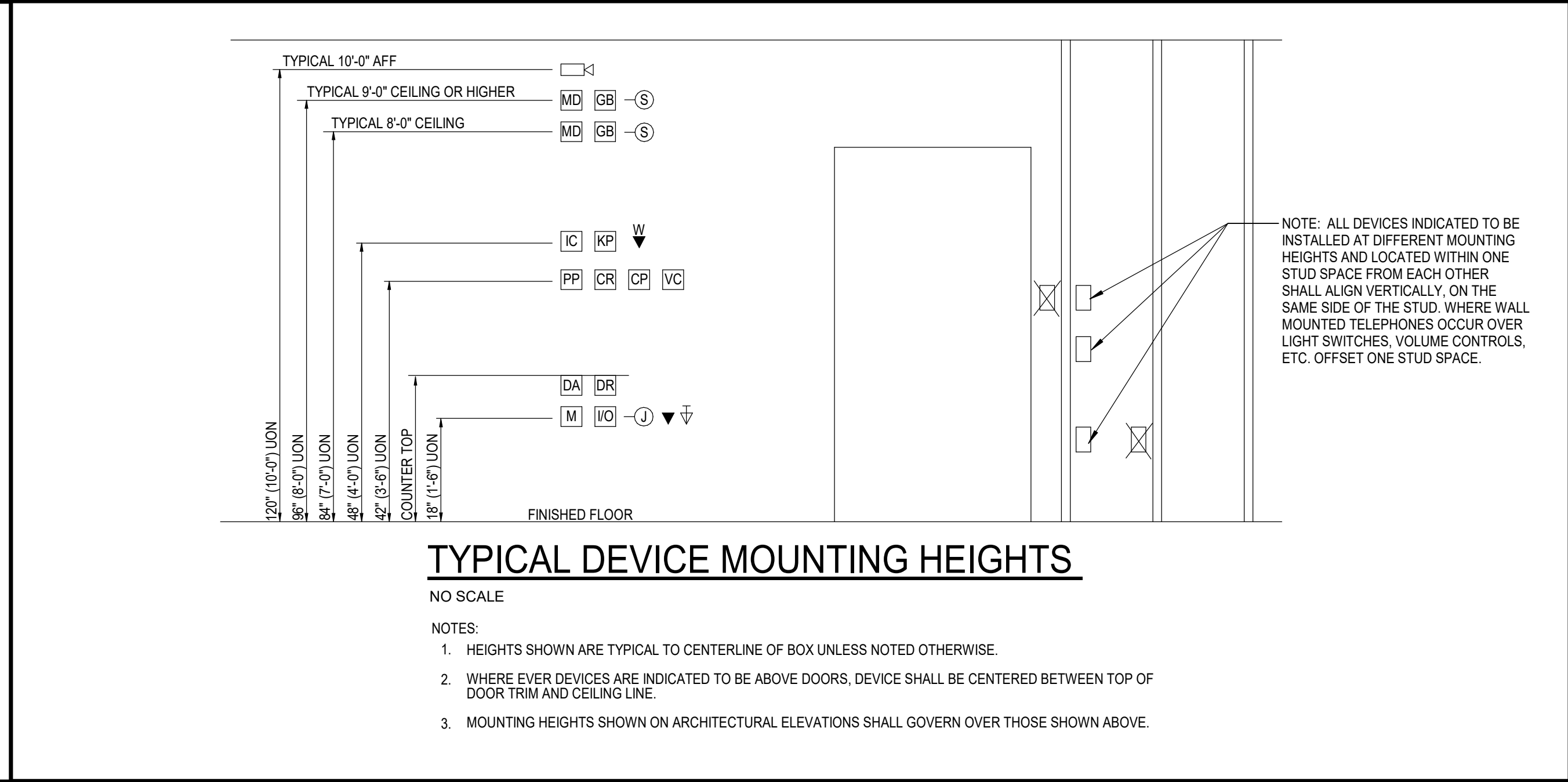
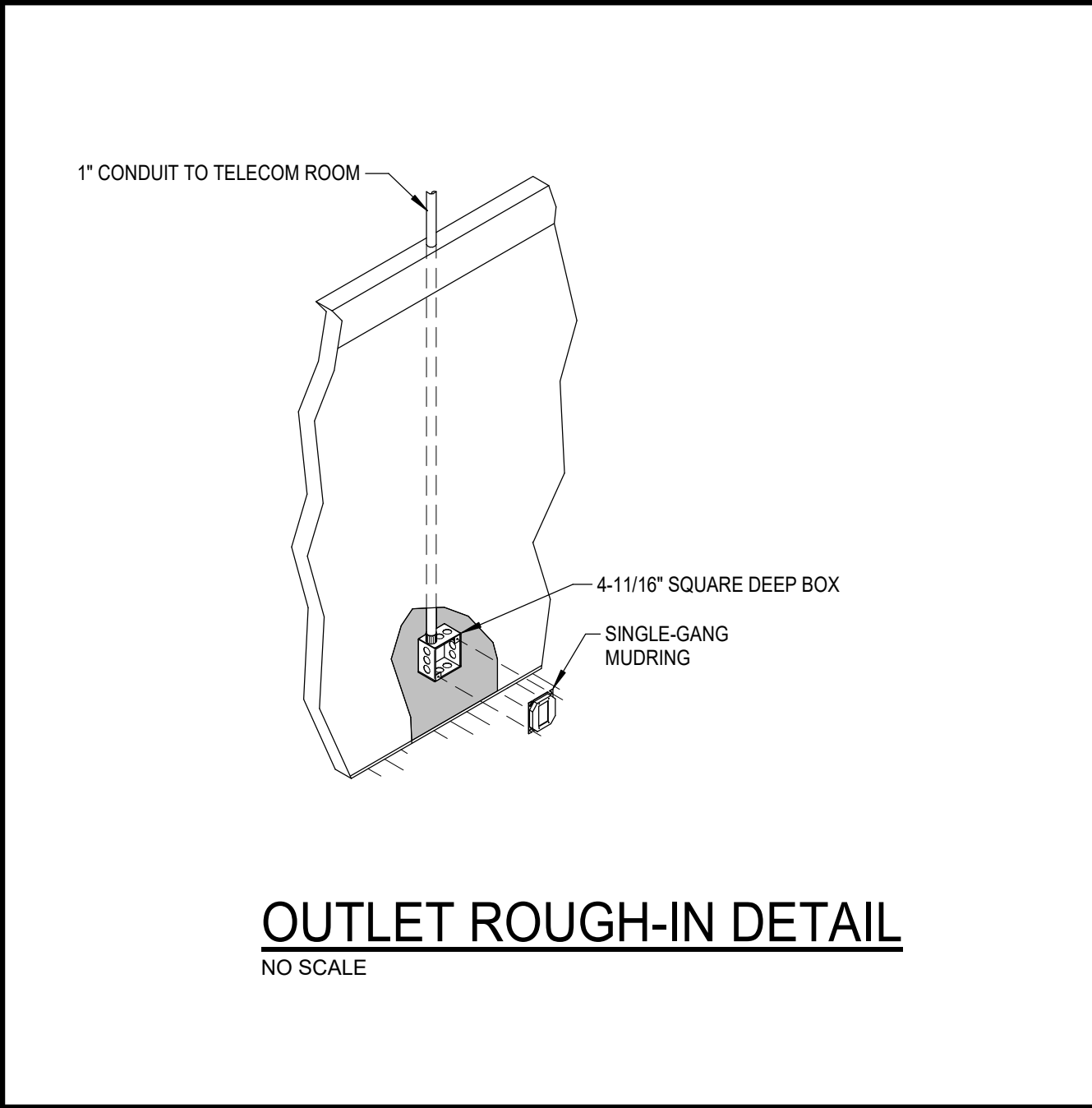
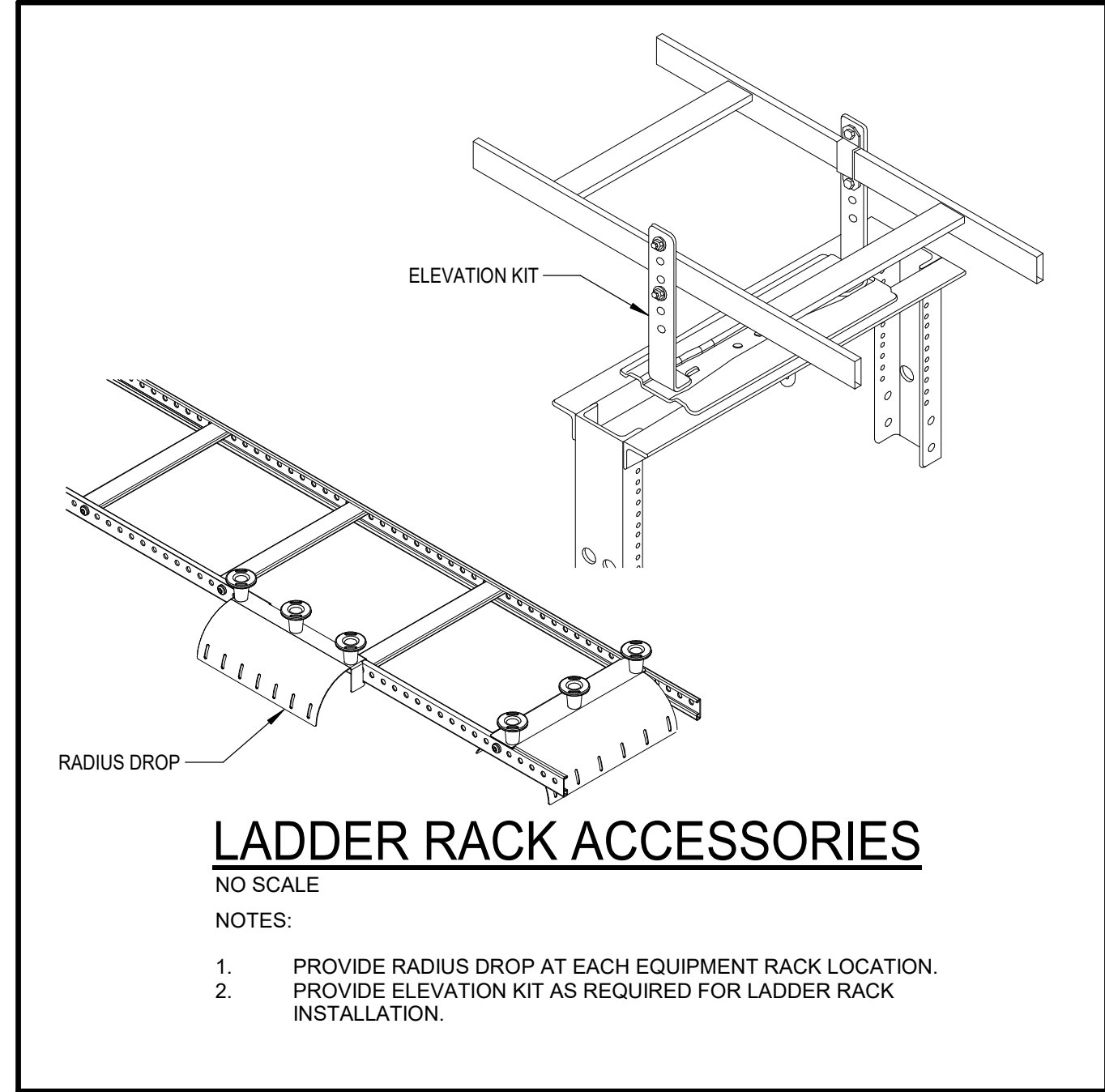
3

4

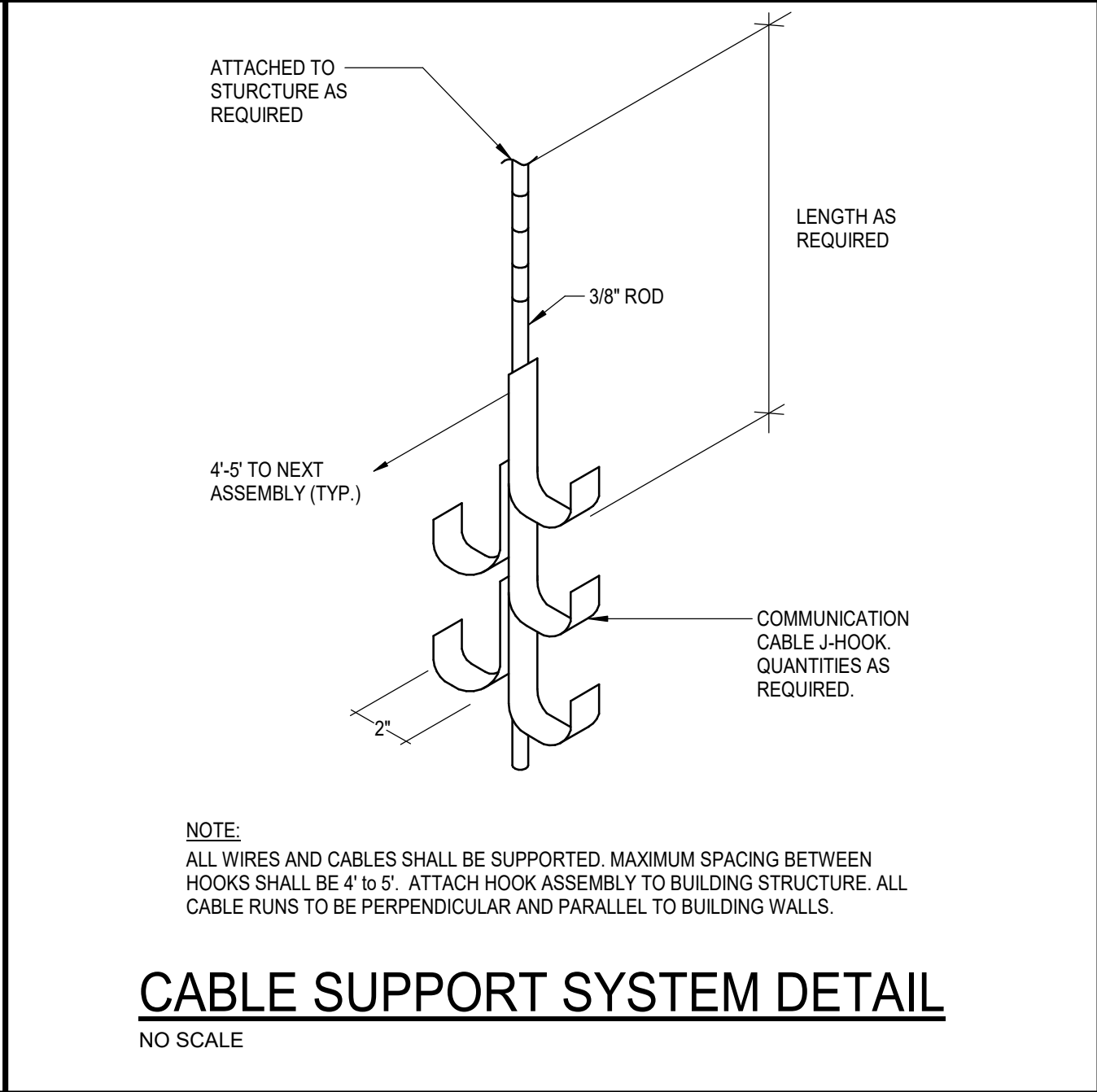
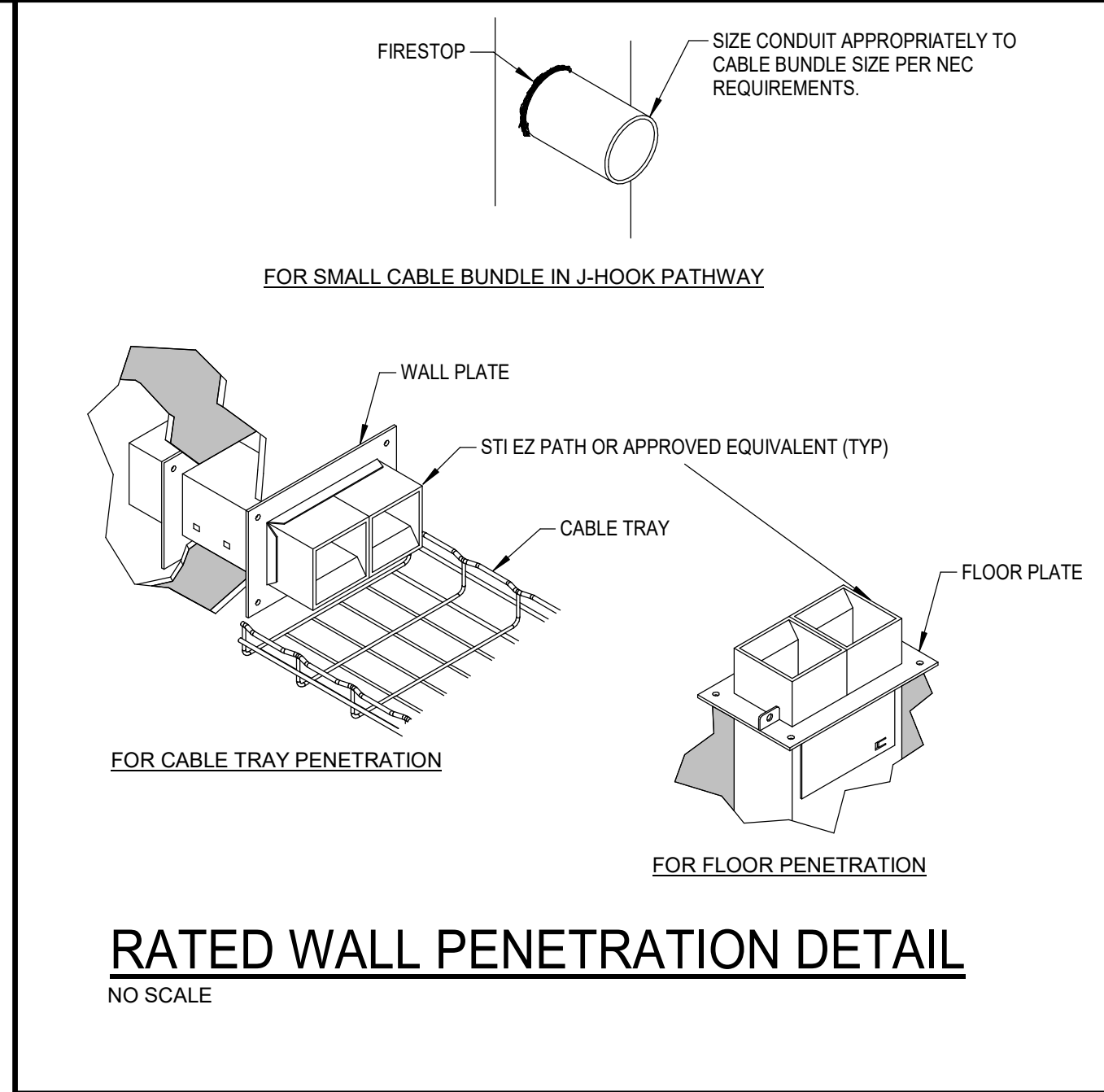
5

6

A



B



C

D

E



PIVOT NORTH ARCHITECTURE, PLLC.  
116 S. 6TH STREET  
BOISE, ID 83702  
www.pivotnorthdesign.com

STAMP



Project:  
**TWIN FALLS TRAINING FACILITY**

420 VICTORY AVENUE, TWIN FALLS, ID 83301-5593

100% DESIGN DEVELOPMENT SET: 11.22.2022 (NOT FOR CONSTRUCTION)

Project No: 19-029  
Date: 11/22/2022  
Checked By: CMK  
Drawn By: JMS

Sheet Name:

**TECHNOLOGY  
DETAILS**

Sheet No:

**T5.01**