

APPLICABLE CODES/REGULATIONS: 2012 INTERNATIONAL BUILDING CODE 2012 INTERNATIONAL FUEL GAS CODE 2012 INTERNATIONAL MECHANICAL CODE 2012 INTERNATIONAL PLUMBING CODE 2012 INTERNATIONAL FIRE CODE 2012 INTERNATIONAL ENERGY CONSERVATION CODE 2017 NATIONAL ELECTRIC CODE 2012 NFPA 101 LIFE SAFETY CODE TENNESSEE PUBLIC BUILDING ACCESSIBILITY ACT 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN	TYPE OF CONSTRUCTION (IBC CH 6): <ul style="list-style-type: none">TYPE II-B, UNSPRINKLERED OCCUPANCY GROUP (IBC CH 3): OUTDOOR PAVILION <ul style="list-style-type: none">ASSEMBLY GROUP A-5, PAVILION, NUMBER OF STORIES (IBC TABLE 504.4): ALLOWED: UNLIMITED PROPOSED: 2 STORIES	BUILDING HEIGHT (IBC TABLE 504.3): ALLOWED: UNLIMITED PROPOSED: 35'-0" OCCUPANT LOAD (IBC CH 10): PROPOSED TOTAL GROSS BUILDING AREA: LEVEL 1 FIRST FLOOR AREA: 2,713 SF LEVEL 2 MEZZANINE AREA: 1,571 SF LEVEL 1: 181 PEOPLE LEVEL 2: 105 PEOPLE TOTAL OCCUPANT LOAD: 286 PEOPLE	GUARDRAILS: GUARDRAILS SHALL BE DESIGNED AND CONSTRUCTED FOR A CONCENTRATED LOAD OF 200 LB APPLIED AT ANY POINT AND IN ANY DIRECTION AT THE TOP OF THE GUARDRAIL. GUARDRAILS SHALL BE DESIGNED AND CONSTRUCTED FOR A LOAD OF 50 PLF APPLIED HORIZONTALLY AT THE REQUIRED GUARDRAIL HEIGHT AND A SIMULTANEOUS LOAD OF 100 PLF APPLIED VERTICALLY DOWNWARD AT THE TOP OF THE GUARDRAIL. GUARDRAILS SHALL BE DESIGNED AND CONSTRUCTED TO RESIST A 200 LB CONCENTRATED HORIZONTAL LOAD APPLIED ON A 1 SQ FT AREA AT ANY POINT IN THE SYSTEM INCLUDING INTERMEDIATE RAILS AND OTHER ELEMENTS SERVING THIS PURPOSE.	HANDRAILS: HANDRAILS SHALL BE DESIGNED AND CONSTRUCTED FOR A CONCENTRATED LOAD OF 200 LB APPLIED AT ANY POINT AND IN ANY DIRECTION. HANDRAILS SHALL BE DESIGNED AND CONSTRUCTED FOR A LOAD OF 50 PLF APPLIED IN ANY DIRECTION
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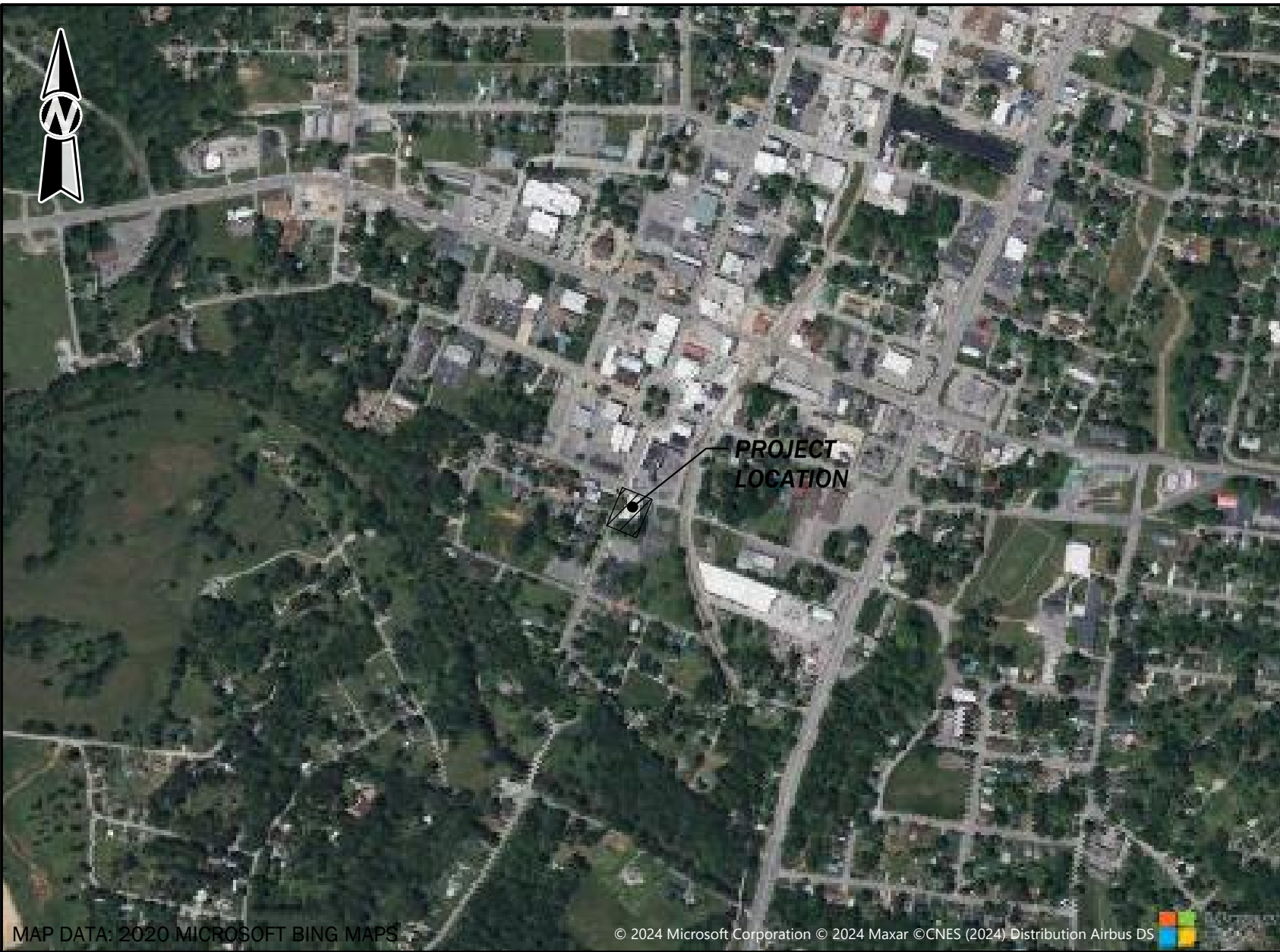
PHASE II LAWRENCEBURG SQUARE PAVILION

CITY OF LAWRENCEBURG 204 S MILITARY AVENUE LAWRENCE COUNTY, TENNESSEE

TTL PROJECT NO. 000230803426.00

MARCH 25, 2024

VICINITY MAP



PROPERTY INFORMATION

OWNER/DEVELOPER: CITY OF LAWRENCEBURG

TAX MAP: MAP 089C PARCEL 23.00
EXISTING ZONING: R3
PROPOSED ZONING: R3
ADJACENT ZONING: R3(NORTH) R3(SOUTH)

TOTAL ACREAGE = ±0.38 acres (±16,665 s.f.)
DISTURBED ACREAGE = ±0.08 acres (±3,385 s.f.)
IMPERVIOUS ACREAGE = 0.08 acres (3,385 s.f.)

LAND USE: PUBLIC MEETING SPACE

DESIGN ENGINEER

MATTHEW BROWN, P.E.
TTL, INC.
714 N. MILITARY AVE, STE. 101
LAWRENCEBURG, TN 38464
PHONE: 629-999-0488
EMAIL: mbrown@ttlusa.com

UTILITY COMPANY CONTACTS

POWER
LAWRENCEBURG UTILITY SYSTEMS
1607 N LOCUST AVE.
LAWRENCEBURG, TN 38464
(1) (931) 762-7161
(2) (931) 762-7161 (POWER OUTAGE)

SEWER
LAWRENCEBURG UTILITY SYSTEMS
1607 N LOCUST AVE.
LAWRENCEBURG, TN 38464
(931) 762-7161

CABLE
SPECTRUM
405 S JAMES CAMPBELL BLVD.
COLUMBIA, TN 38401
(668) 406-7063

WATER
LAWRENCEBURG UTILITY SYSTEMS
1607 N LOCUST AVE.
LAWRENCEBURG, TN 38464
(931) 762-7161

GAS
LAWRENCEBURG UTILITY SYSTEMS
1607 N LOCUST AVE.
LAWRENCEBURG, TN 38464
(931) 762-7161

DATUM INFORMATION

STATE PLANE COORDINATE SYSTEM: TENNESSEE
VERTICAL DATUM: NAVD 88
GEODETIC DATUM: NAD 83
GEOID MODEL: GEOID 18

FEDERAL FLOOD NOTE

THIS PROPERTY IS LOCATED IN "ZONE X"
FLOODPLAIN AS DESIGNATED ON CURRENT
FEDERAL EMERGENCY MANAGEMENT AGENCY
MAP NO. 47099C0252C, EFFECTIVE DATE
01/02/2009

INDEX TO SHEETS

COVER SHEET	C0 00
EXISTING CONDITIONS & DEMOLITION PLAN	C1 01
SITE LAYOUT PLAN	C2 01
SITE GRADING PLAN	C3 01
SITE UTILITY PLAN	C4 01
CIVIL DETAILS	C5 01

APPROVED BY:
TTL, INC.

MATTHEW S. BROWN, P.E.
TENNESSEE REG. NO. 118891

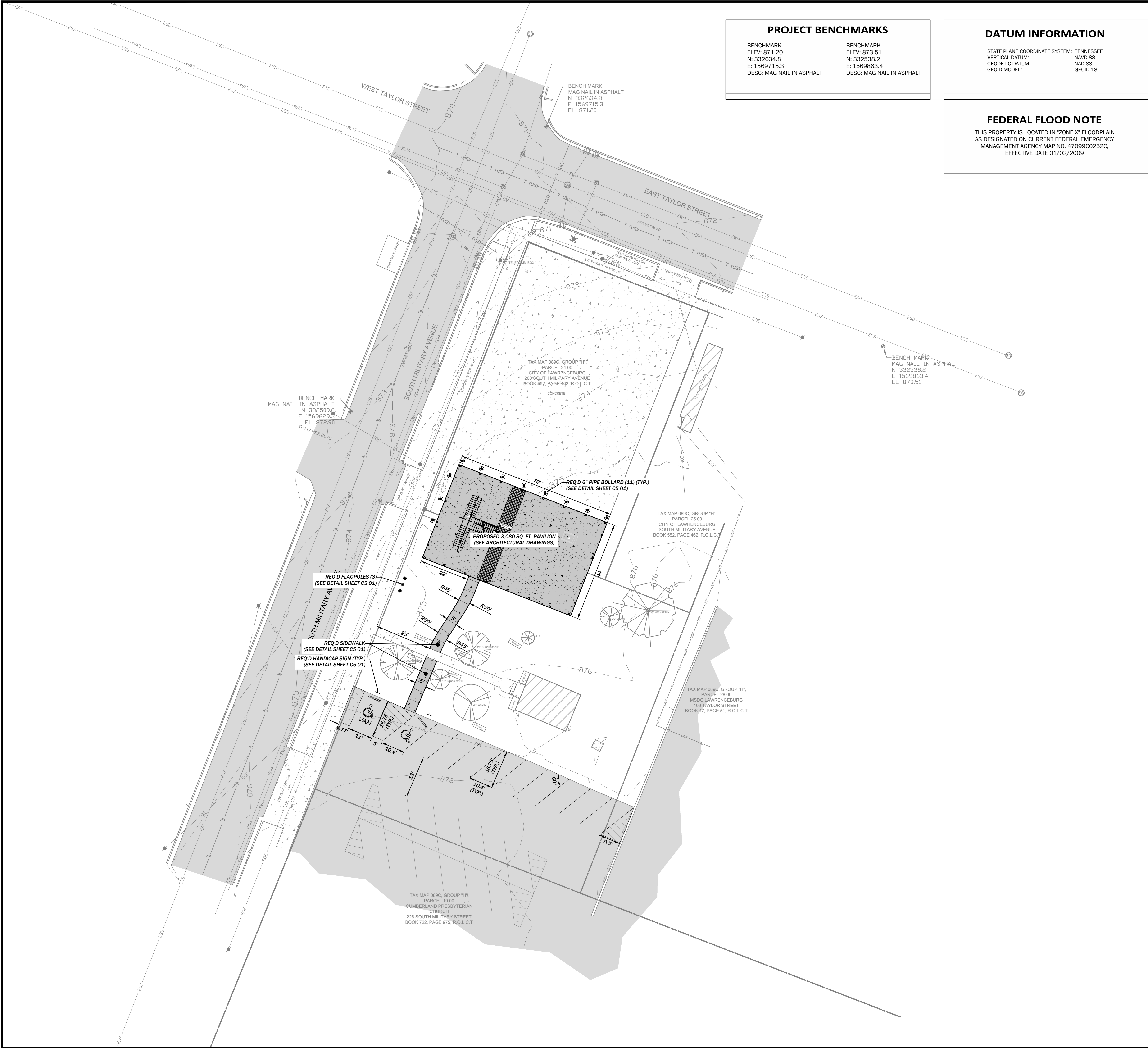
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CITY OF LAWRENCEBURG
204 S MILITARY AVENUE
LAWRENCE COUNTY, TENNESSEE



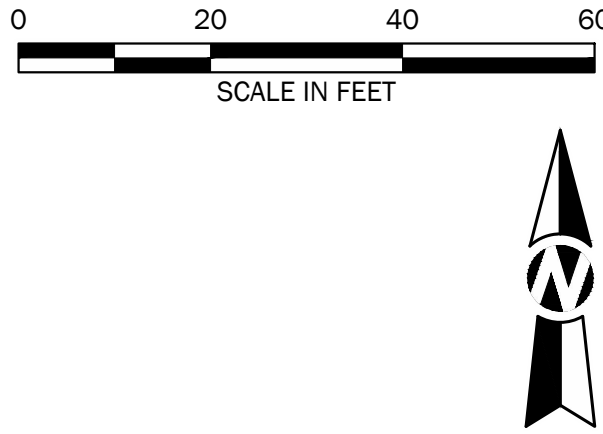
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PROJECT BENCHMARKS	
BENCHMARK ELEV: 871.20 N: 332634.8 E: 1569715.3 DESC: MAG NAIL IN ASPHALT	BENCHMARK ELEV: 873.51 N: 332538.2 E: 1569863.4 DESC: MAG NAIL IN ASPHALT

DATUM INFORMATION	
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VERTICAL DATUM: NAVD 88	
GEOIDETIC DATUM: NAD 83	
GEOID MODEL: GEOID 18	

FEDERAL FLOOD NOTE
THIS PROPERTY IS LOCATED IN "ZONE X" FLOODPLAIN AS DESIGNATED ON CURRENT FEDERAL EMERGENCY MANAGEMENT AGENCY MAP NO. 47099C0252C. EFFECTIVE DATE 01/02/2009



PAVING LEGEND

- REQ'D ASPHALT PAVEMENT (HEAVY DUTY) (SEE DETAILS)
- REQ'D ASPHALT PAVEMENT (LIGHT DUTY) (SEE DETAILS)
- REQ'D CONCRETE BUILDING SLAB (SEE ARCHITECTURAL DRAWINGS)
- REQ'D CONCRETE SIDEWALK (SEE DETAILS)

PAVING, SIGNING AND STRIPING NOTES

- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES AND GIVE ALL NECESSARY NOTIFICATIONS PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL CHECK EXISTING GRADES AND DIMENSIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO BEGINNING WORK.
- ALL DAMAGE TO EXISTING PAVEMENT TO REMAIN WHICH RESULTS FROM NEW CONSTRUCTION SHALL BE REPLACED WITH LIKE MATERIALS AT THE CONTRACTORS EXPENSE.
- PROVIDE SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND PROPOSED SIDEWALKS AND RAMPS. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY.
- TO ACHIEVE A HIGH LEVEL OF FINISH TO THEIR SIDEWALK, CONCRETE PAD, AND ANY CONCRETE PAVEMENT PLACED IN ORDER TO CREATE A SMOOTH TRANSITION FROM THE PAVILION TO THE ASSOCIATED PARKING. THE CONTRACTOR SHALL MAKE SURE HIS MIX IS OPTIMUM AND NOT TOO DRY/WET WHICH MAY LEAD TO PITTING, CRACKING, AND TEXTURE TYPE PROBLEMS WHEN FINISHING THE CONCRETE. POORLY FINISHED CONCRETE SHALL BE REMOVED/REPLACED AT THE CONTRACTOR'S EXPENSE.
- ALL SIDEWALK AND RAMP CONSTRUCTION SHALL ADHERE TO MOST CURRENT ADA REGULATIONS.
- THE REQUIRED CONCRETE SLAB SHALL BE CONSTRUCTED TO THE DIMENSIONS GIVEN IN THE ARCHITECTURAL DRAWINGS.
- SEE STRUCTURAL DRAWINGS FOR CONCRETE SLAB AND FOUNDATION DESIGN
- THE PROPOSED SIDEWALK IS INTENDED TO BE CONSTRUCTED FLUSH WITH EXISTING GRADE, ALLOWING STORMWATER RUNOFF TO FLOW UNIMPEDED FROM EAST TO WEST.
- CONTRACTOR TO REFER TO THE STRUCTURAL DRAWINGS FOR BUILDING FOUNDATION AND CONCRETE SLAB DESIGN

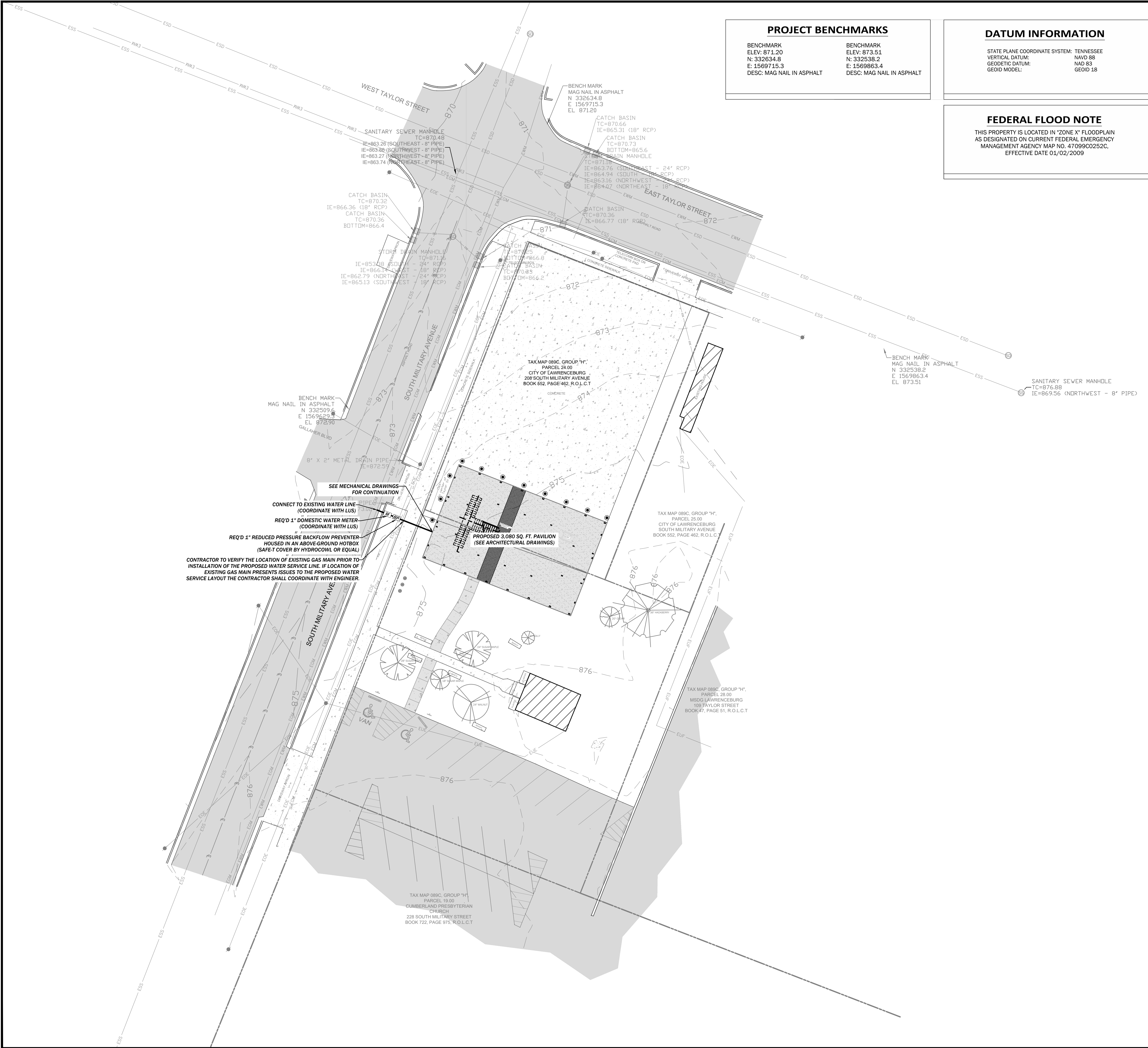
PHASE II LAWRENCEBURG SQUARE PAVILION

CITY OF LAWRENCEBURG
204 S MILITARY AVENUE
LAWRENCE COUNTY, TENNESSEE



SITE LAYOUT PLAN	
Sheet Title	Revision Description
No.	Date
Drawn By:	Checked By:
Date:	Proj. No.:
File Name:	233426 Sheet C3 01 Layout.dwg

Sheet No.
C2 01



PROJECT BENCHMARKS

BENCHMARK ELEV: 871.20 N: 332634.8 E: 1569715.3 DESC: MAG NAIL IN ASPHALT	BENCHMARK ELEV: 873.51 N: 332538.2 E: 1569863.4 DESC: MAG NAIL IN ASPHALT
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0204060

SCALE IN FEET

WATER LEGEND

	REQ'D WATER MAIN
	REQ'D FIRE LINE
	REQ'D WATER VALVE
	REQ'D FIRE HYDRANT
	REQ'D WATER METER
	REQ'D REDUCED PRESSURE BACKFLOW PREVENTER
	REQ'D IRRIGATION METER
	REQ'D POST MOUNTED SIAMESE CONNECTION

- GENERAL UTILITY NOTES**
 - THE CONTRACTOR SHALL BE PREPARED TO CAMERA ANY DISCOVERED UTILITY MAIN FOUND DURING CONSTRUCTION NOT SHOWN ON THE PLANS TO VERIFY IF THE MAIN SHOULD BE TIED TO THE PROPOSED SYSTEMS OR BE ABANDONED AND/OR REMOVED.
 - ALL STORM DRAIN AND SANITARY SEWER SYSTEM STRUCTURES AND PIPING SHALL REMAIN ACTIVE UNTIL PROPOSED PROJECT UTILITIES ARE INSTALLED AND CAN COME INTO SERVICE. THIS APPLIES TO AREA INLETS IN YARDS AND/OR ROOF DRAINS. ANY WATER OR SEWER DAMAGE TO PRIVATE PROPERTY DUE TO FAILURE OF THE CONTRACTOR TO COORDINATE REMOVAL OF EXISTING UTILITIES AND TIE-INS TO REQUIRED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR INCLUDING ALL CLEANUP AND ADDITIONAL WORK REQUIRED TO CORRECT THE DAMAGE.
 - THERE SHALL BE NO PAY FOR REMOVAL OF EXISTING UTILITY PIPING/CONDUITS, INCLUDING BUT NOT LIMITED TO STORM DRAIN, SANITARY SEWER, WATER MAIN, CABLE CONDUIT, GAS MAINS, POWER CONDUIT, ETC., THAT ARE LOCATED WHERE PROPOSED UTILITY TRENCHES AND EXCAVATIONS OCCUR. IN AREAS WHERE EXISTING UTILITY PIPING/CONDUITS ARE REMOVED REQUIRING EXCAVATION AND STONE BACKFILL OUTSIDE OF PROPOSED UTILITY TRENCHES AND EXCAVATION AREAS, PIPE SHALL BE PAID FOR AS PER THE UNIT PRICE BID SCHEDULE, IF ANY. THE PURPOSE IS TO AVOID PAYING FOR REMOVAL OF ITEMS THAT SHALL BE REMOVED OR DEMOLISHED IN THE COURSE OF EXCAVATING FOR PROPOSED ITEMS. ANY REMOVAL PAY ITEMS NOT LISTED IN THE UNIT PRICE BID SCHEDULE SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
 - THE CONTRACTOR SHALL REMOVE/RESET/RAISE ALL PRIVATE UTILITY COMPANY BOXES, MANHOLE RING AND COVER, ETC. IF THESE ITEMS ARE BEING RETAINED. ANY ITEMS DAMAGED DURING THIS WORK SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
 - WHEN INSTALLING UTILITIES, THE CONTRACTOR SHALL REFERENCE THE STORM DRAIN, SANITARY SEWER, WATER DISTRIBUTION/FIRE PROTECTION, ETC. CONSTRUCTION PLANS TO MAKE SURE INDIVIDUAL UTILITIES AND/OR POLES ARE PLACED IN THE CORRECT HORIZONTAL AND VERTICAL LOCATIONS TO MAINTAIN SPACING AND MINIMUM COVER.
 - ALL UTILITY IMPROVEMENTS SHALL BE BACKFILLED PER THE TRENCH DETAILS. (SEE SPECIAL UTILITY PROJECT NOTES)
 - THE CONTRACTOR SHALL NOTE THAT EXISTING UTILITY POLES MAY HAVE TO BE HELD, REMOVED/RESET, ETC. TO COMPLETE ALL OF THE REQUIRED IMPROVEMENTS. IT IS UP TO THE CONTRACTOR TO PROPERLY SCHEDULE THIS WORK WITH THE UTILITY POLE OWNER AND COMPENSATE THEM FOR THESE SERVICES. THERE SHALL BE NO CLAIMS OF DELAY ASSOCIATED WITH THE CONTRACTOR'S FAILURE TO SCHEDULE THIS WORK IN ADVANCE.
- WATER DISTRIBUTION NOTES**
 - THE WATER DISTRIBUTION SYSTEM IS OWNED AND OPERATED BY LAWRENCEBURG UTILITY SYSTEM. THE CONTRACTOR SHALL NOT AT ANY TIME TURN ON/OFF EXISTING WATER VALVES AND FIRE HYDRANTS. LAWRENCEBURG UTILITY SYSTEM SHALL OPERATE ALL VALVING AT ALL TIMES. TAPS AND CONNECTIONS TO EXISTING MAINS AND SERVICES SHALL BE APPROVED BY AND COORDINATED WITH LAWRENCEBURG UTILITY SYSTEM. ANY FINES AND/OR PENALTIES INCURRED BY THE CONTRACTOR FOR IMPROPER OPERATION OF THE WATER DISTRIBUTION AND FIRE PROTECTION SYSTEM SHALL BE THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR. (APPLIES TO CONTRACTOR AND ALL SUBCONTRACTORS).
 - LAWRENCEBURG UTILITY SYSTEM, THE OWNER'S REPRESENTATIVE AND LOCAL WATER CUSTOMERS SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO COMMENCEMENT OF ANY WATER DISTRIBUTION IMPROVEMENTS.
 - ALL MAINS AND SERVICE LINES SHALL HAVE 36" MINIMUM COVER.
 - DOMESTIC SERVICES, BACKFLOW PREVENTERS, METERS, ETC. SHALL BE INSTALLED ACCORDING TO LAWRENCEBURG UTILITY SYSTEM STANDARDS.
 - ANY INSTALLATION REQUIRING THE USE OF PVC PIPE SHALL INCLUDE BEDDING AND ENCASING THE PIPING WITH STONE GRADATION AS PER THE STANDARD DETAILS AND WATER DISTRIBUTION REQUIREMENTS.
 - ALL EXISTING DOMESTIC SERVICE METER BOXES SHALL BE REMOVED/RESET AT FINISHED GRADE THROUGHOUT THE PROJECT LIMITS OR REMOVED AND STOCKPILED AT THE LOCATION PROVIDED BY THE OWNER'S REPRESENTATIVE.
 - THE CONTRACTOR SHALL COORDINATE WATERMAIN AND SERVICE LINE INSTALLATIONS WITH UTILITY CORRIDOR INSTALLATION. PROPER CLEARANCE BETWEEN UTILITIES SHALL BE REQUIRED AT ALL TIMES. A CONTINUOUS, STRAIGHT RUN OF UTILITY CONDUITS MUST BE MAINTAINED (I.E. NO ABRUPT VERTICAL DEFLECTION WITH FITTINGS). WATERMAIN AND SERVICE LINE DEPTHS MUST BE ANTICIPATED, SO UTILITY CORRIDOR CAN DEFLECT GRADUALLY.
 - ALL TIES TO EXISTING WATERMANS, SPECIFICALLY WHEN CUTTING INTO THE EXISTING WATERMAIN, SHALL UTILIZE ANCHOR COUPLINGS, TIE RODS, SLEEVES, AND ANY OTHER NECESSARY D.I. FITTINGS TO LIMIT THE AMOUNT OF TIME THE EXISTING WATERMAIN IS OUT OF SERVICE. EXISTING WATERMAIN SHUTOFFS AND FITTING CONNECTIONS FOR "CUT-INS" SHALL BE APPROVED BY LAWRENCEBURG UTILITY SYSTEM PRIOR TO COMMENCEMENT OF WORK. THIS MAY REQUIRE THE USE OF A HIGH EARLY CONCRETE MIX FOR THRUST RESTRAINTS. THERE SHALL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.
 - THE CONTRACTOR SHALL KEEP THE EXISTING WATER DISTRIBUTION SYSTEM IN OPERATION AS LONG AS POSSIBLE WHILE INSTALLING THE RELOCATIONS. THE RELOCATED SYSTEM SHALL BE PRESSURE TESTED AND DISINFECTED IN ITS ENTIRETY BEFORE IT IS CUT INTO THE EXISTING SYSTEM.
 - NO GLUE JOINT FITTINGS SHALL BE ALLOWED ON THE WATER DISTRIBUTION SYSTEM.
 - ALL WATER DISTRIBUTION MAINS SHALL HAVE DUCTILE IRON FITTINGS ONLY.
 - ALL GATE VALVES INSTALLED ON THE WATER DISTRIBUTION SYSTEM SHALL BE RESILIENT WEDGE VALVES TO ENSURE EASE OF OPERATION AND RELIABILITY.

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PHASE II LAWRENCEBURG SQUARE PAVILION
CITY OF LAWRENCEBURG
204 S MILITARY AVENUE
LAWRENCE COUNTY, TENNESSEE

Sheet Title

SITE UTILITY PLAN

No.	Date	Revision Description

Drawn By:

Date:

Checked By:

Proj. No.:

File Name:

233426 Sheet C8 01 Utility.dwg

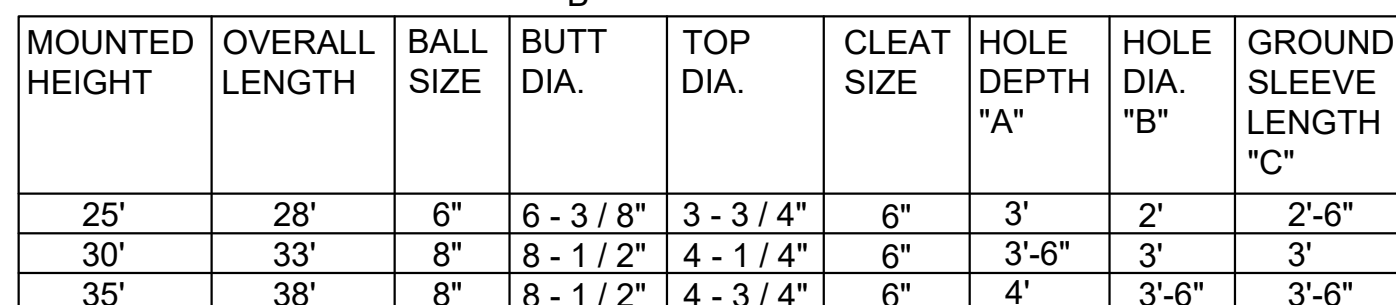
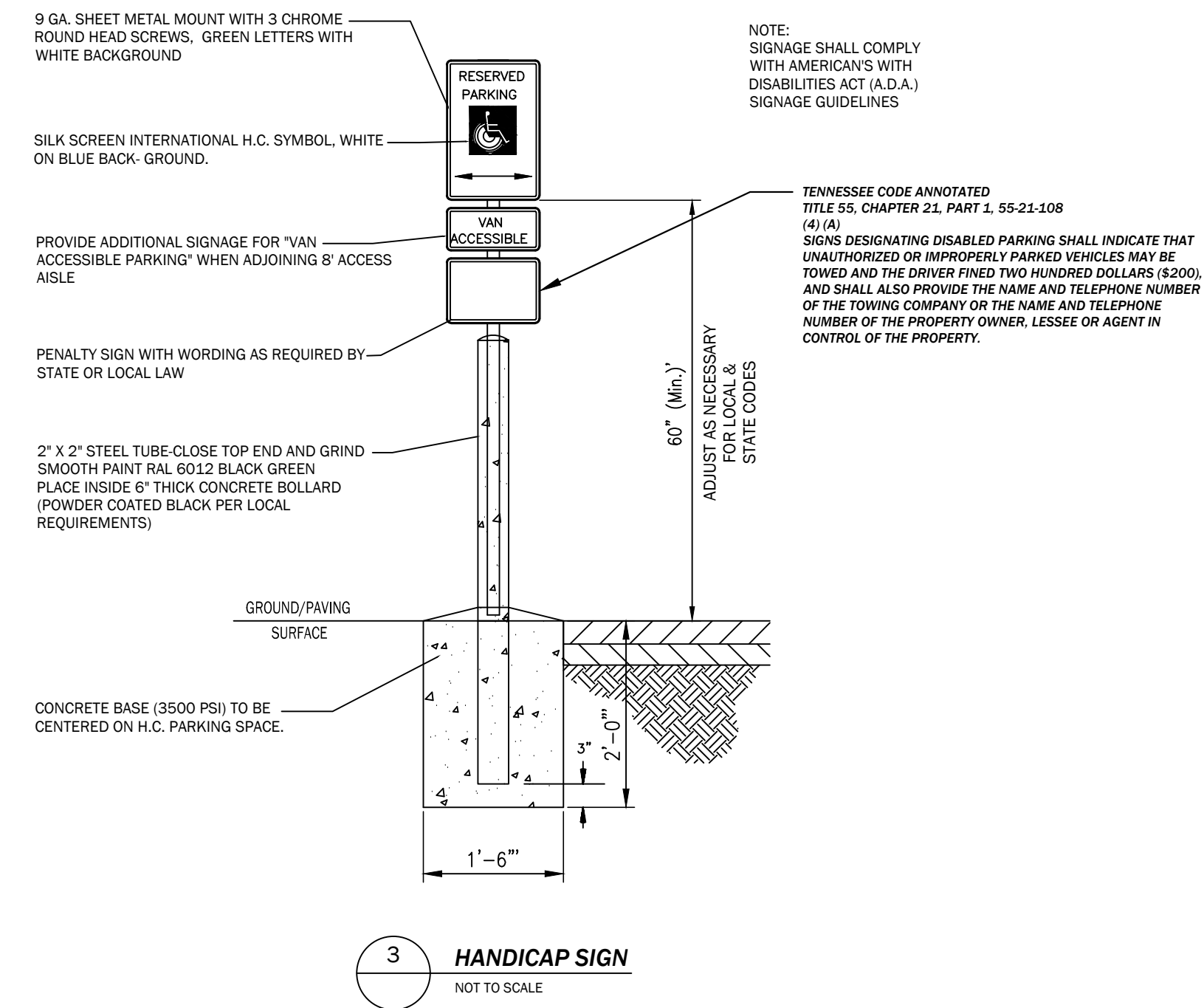
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C4 01



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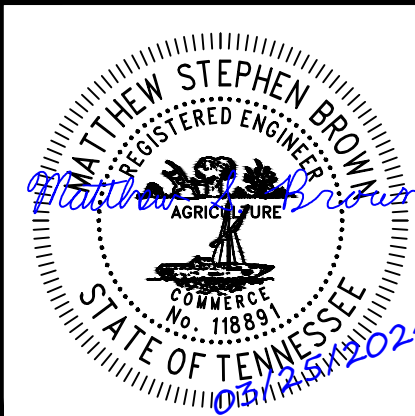
1. EXPANSION JT. REQ'D @ 25' MAX. INTERVALS BUT NOT LESS THAN 15' WITH EXPANSION JOINT MATERIAL.
2. CONTRACTION JOINTS SHALL BE HAND-TOoled ONLY IN LOCATIONS AS INDICATED BY THE SCORING PATTERN SHOWN IN THE CONSTRUCTION PLANS. JOINTS SHALL BE INSTALLED AT A DEPTH OF 1/4" THICKNESS OF THE SLAB MIN. NO SAW-CUT OF JOINTS IS ALLOWED.
3. SLOPE SHALL BE AS NOTED. EXPANSION JOINT INSTALLED IN ALL LOCATIONS WHERE NEW IMPROVEMENTS MEET EXISTING INFRASTRUCTURE.
4. SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.
5. ALL STONE SHALL BE MECHANICALLY COMPACTED IN PLACE, NO EXCEPTIONS.
6. EXPANSION JOINT MATERIAL SHALL BE PUSHED DOWN 1/8" FROM TOP OF SIDEWALK.
7. EXPANSION JOINT MATERIAL SHALL BE CONTINUOUS THROUGH THE OVERALL DEPTH OF THE SIDEWALK.



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LAWRENCE COUNTY, TENNESSEE

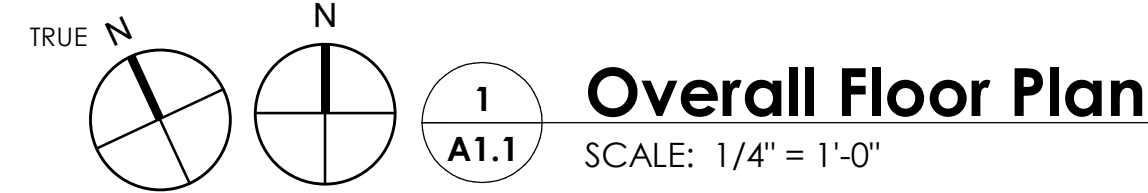


CIVIL DETAILS

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C5 01

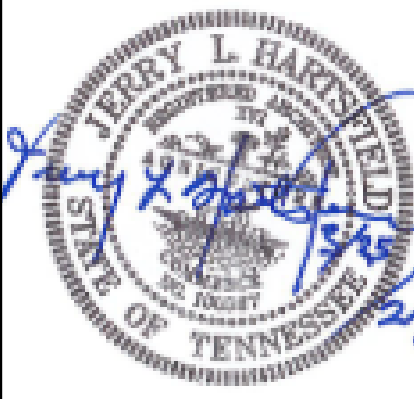


NOTE:

1. STEEL BUILDING (INCLUDING BUT NOT LIMITED TO COLUMNS, BEAMS, TRUSS, JOIST AND ROOF BY METAL BUILDING FABRICATOR (PHASE I))
2. COORDINATE DELIVERY AND FABRICATION WITH STEEL BUILDING MANUFACTURE.
3. THE METAL BUILDING FABRICATOR (PHASE II) SHALL DESIGN THEIR STRUCTURE TO ACCOMMODATE THE LOAD CRITERIA. REFER TO REFERENCE DRAWING ON SHEET A4.0.
4. COMMON PATH OF TRAVEL IS FOR EGRESS AND SHALL HAVE SAFETY YELLOW STRIPING TO ENSURE AREA IS NOT BLOCKED.

[illegible]

CONSULTANT



TLM ASSOCIATES, INC.
ARCHITECTS + ENGINEERS

www.tlmce.com
117 East Lafayette Street Jackson, Tennessee
731.988.9940 (phone) - 731.988.9959 (fax)

MEZZANINE FLOOR PLAN

PHASE II

LAWRENCEBURG SQUARE PAVILION

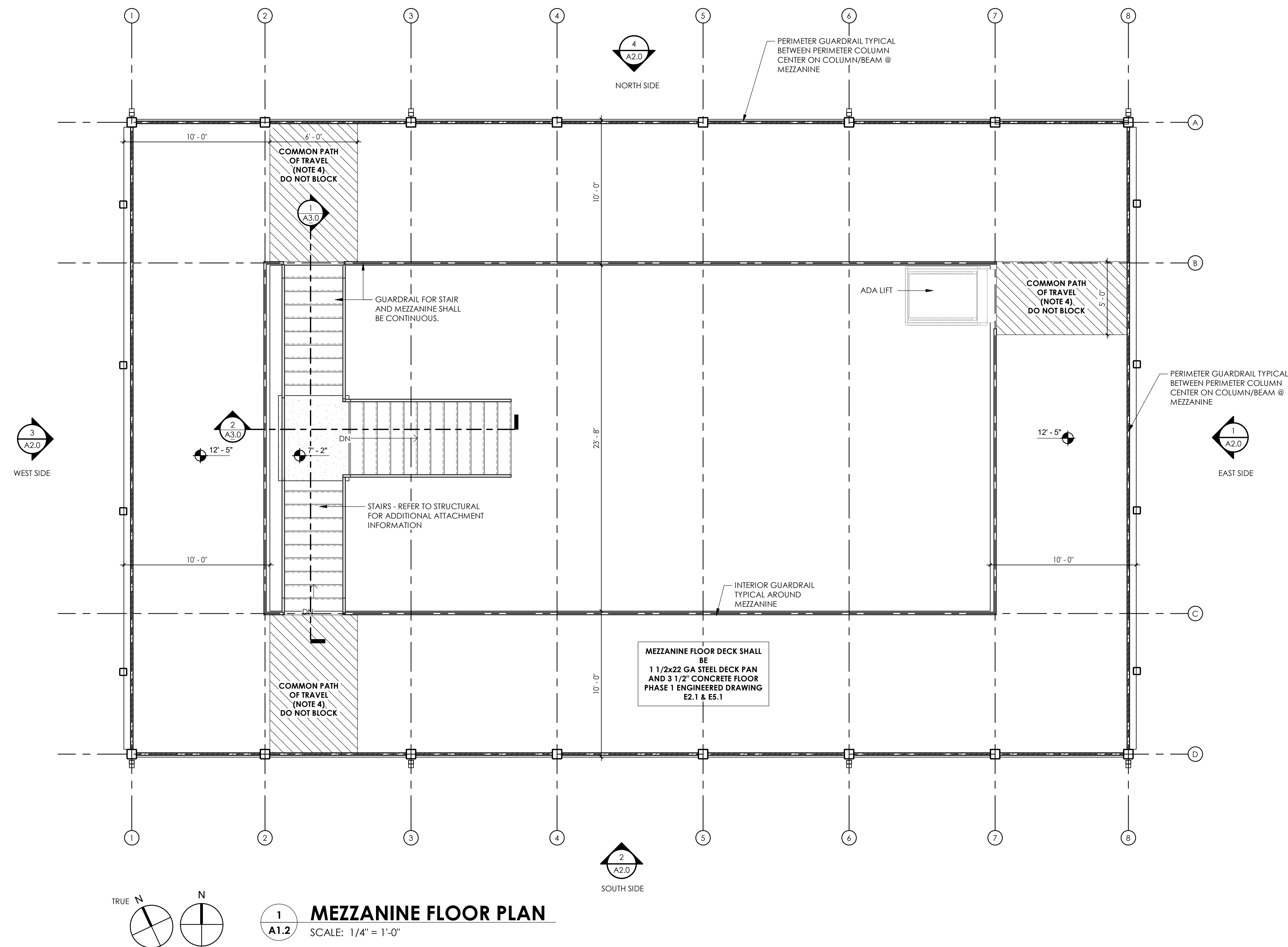
SOUTH MILITARY AVENUE

LAWRENCEBURG, TENNESSEE

MARCH 25, 2024

J-7134

A1.2



NOTE:

1. STEEL BUILDING (INCLUDING BUT NOT LIMITED TO COLUMNS, BEAMS, TRUSS, JOIST AND ROOF BY METAL BUILDING FABRICATOR (PHASE I).
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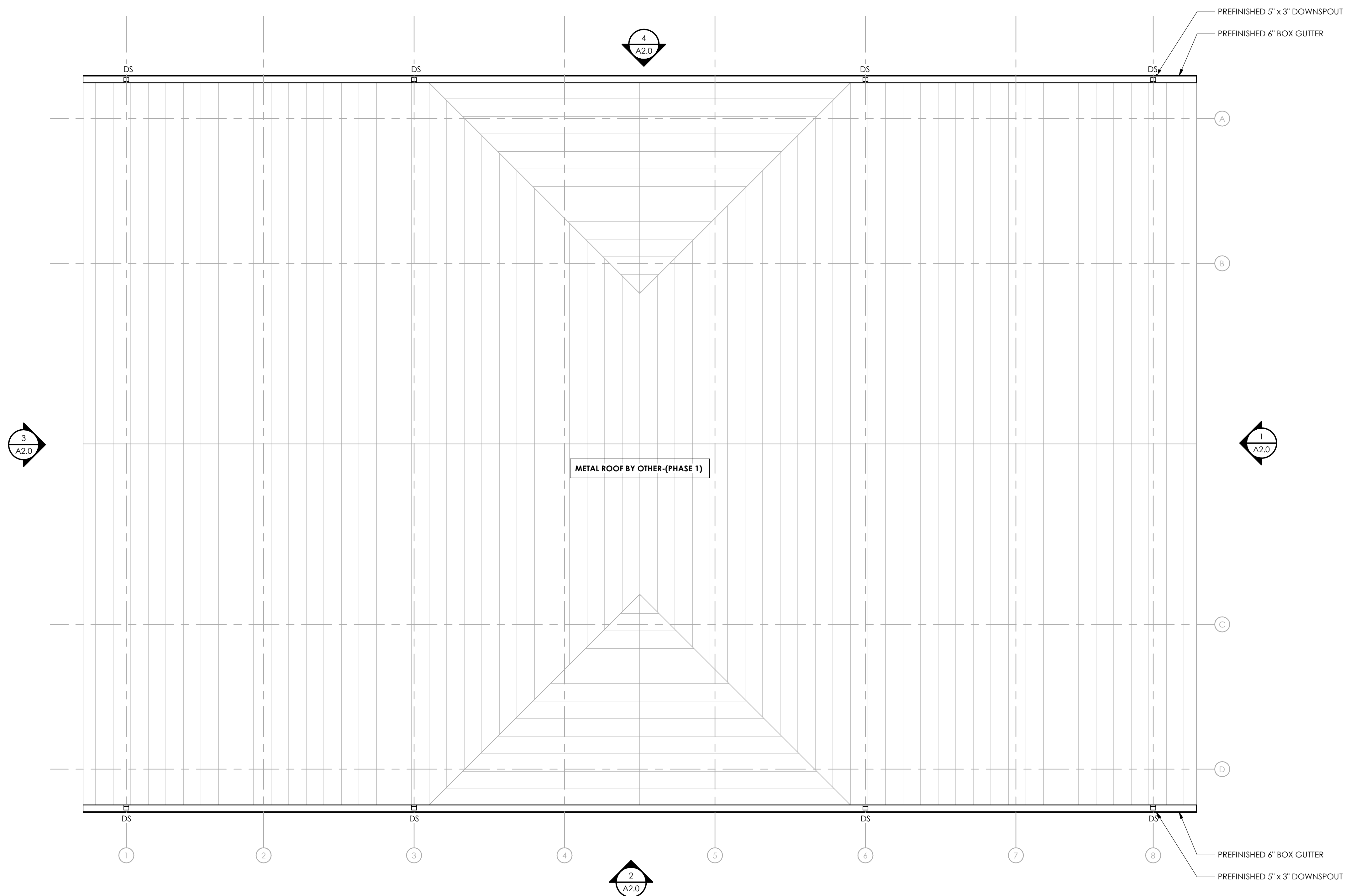
ROOF PLAN

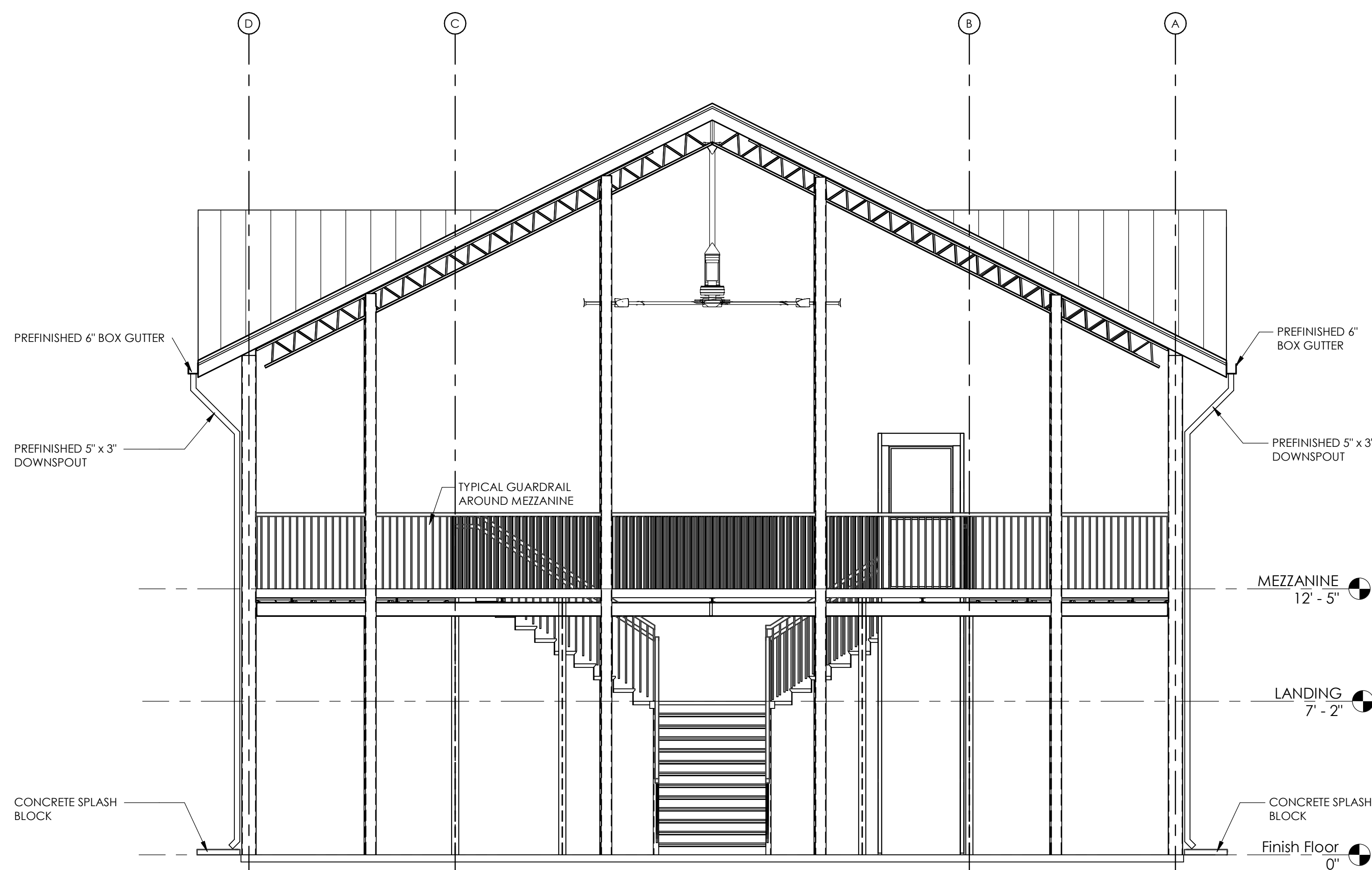
PHASE II
LAWRENCEBURG SQUARE PAVILION
SOUTH MILITARY AVENUE
LAWRENCEBURG, TENNESSEE

MARCH 25, 2024

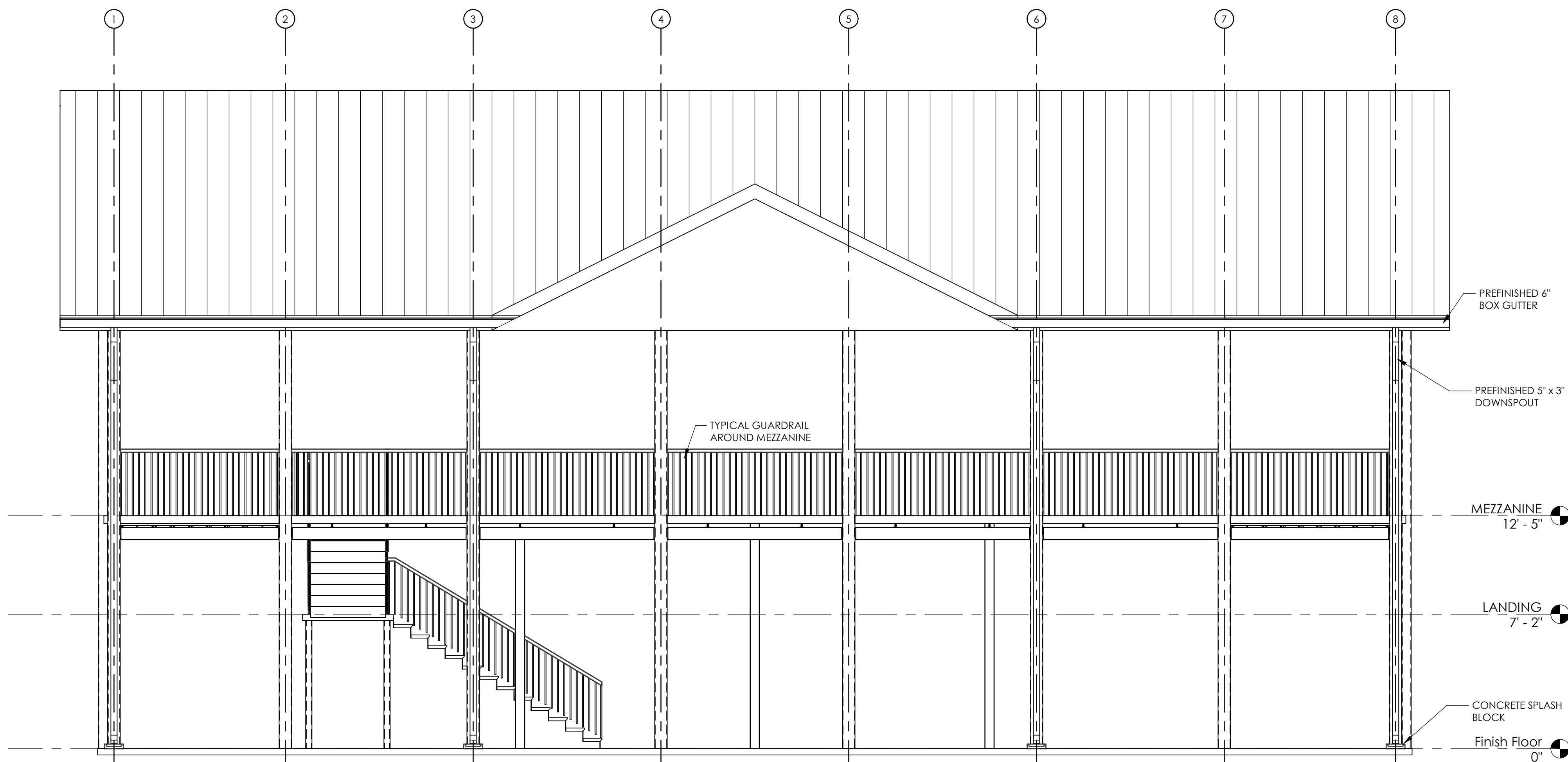
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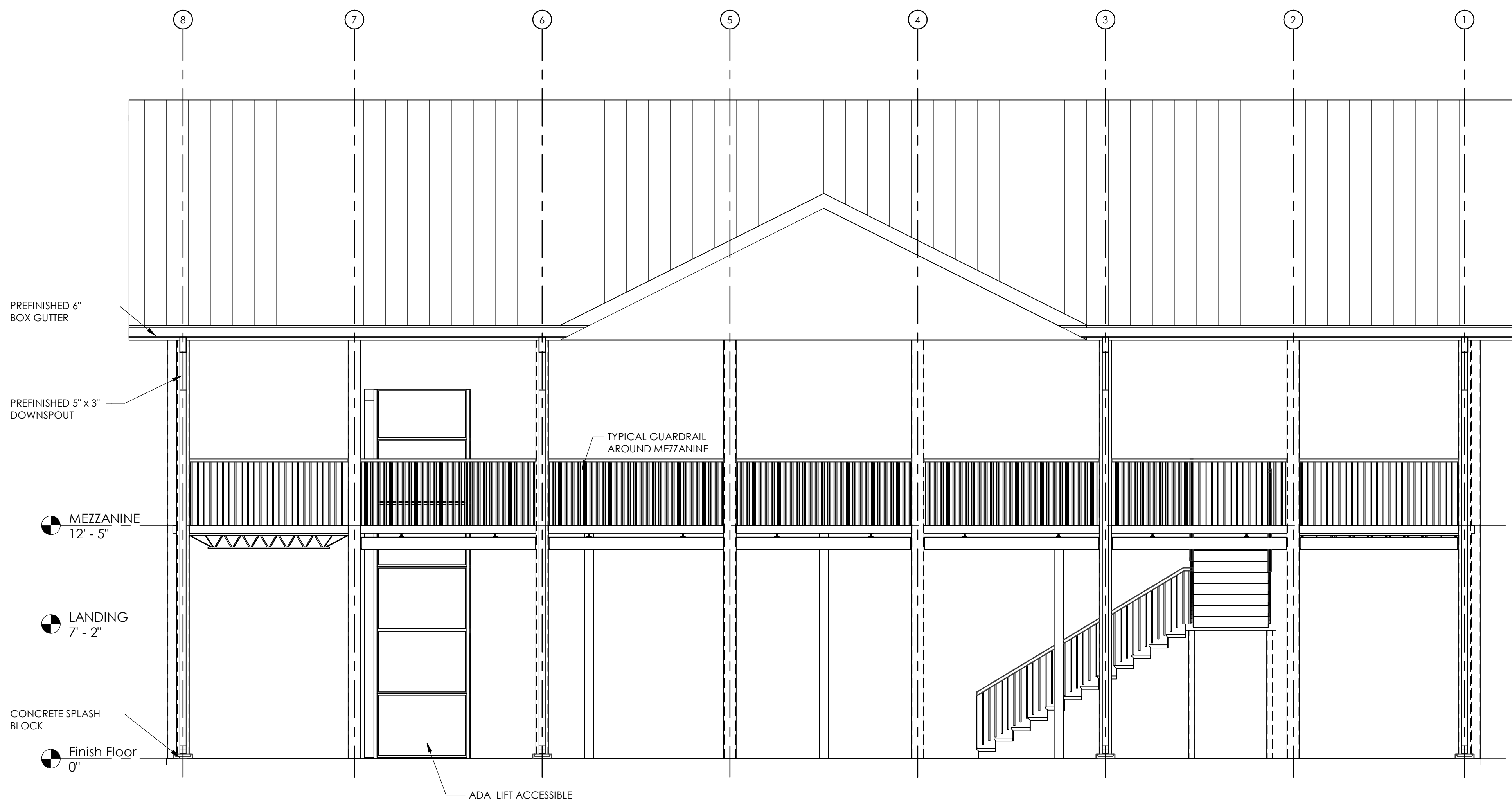




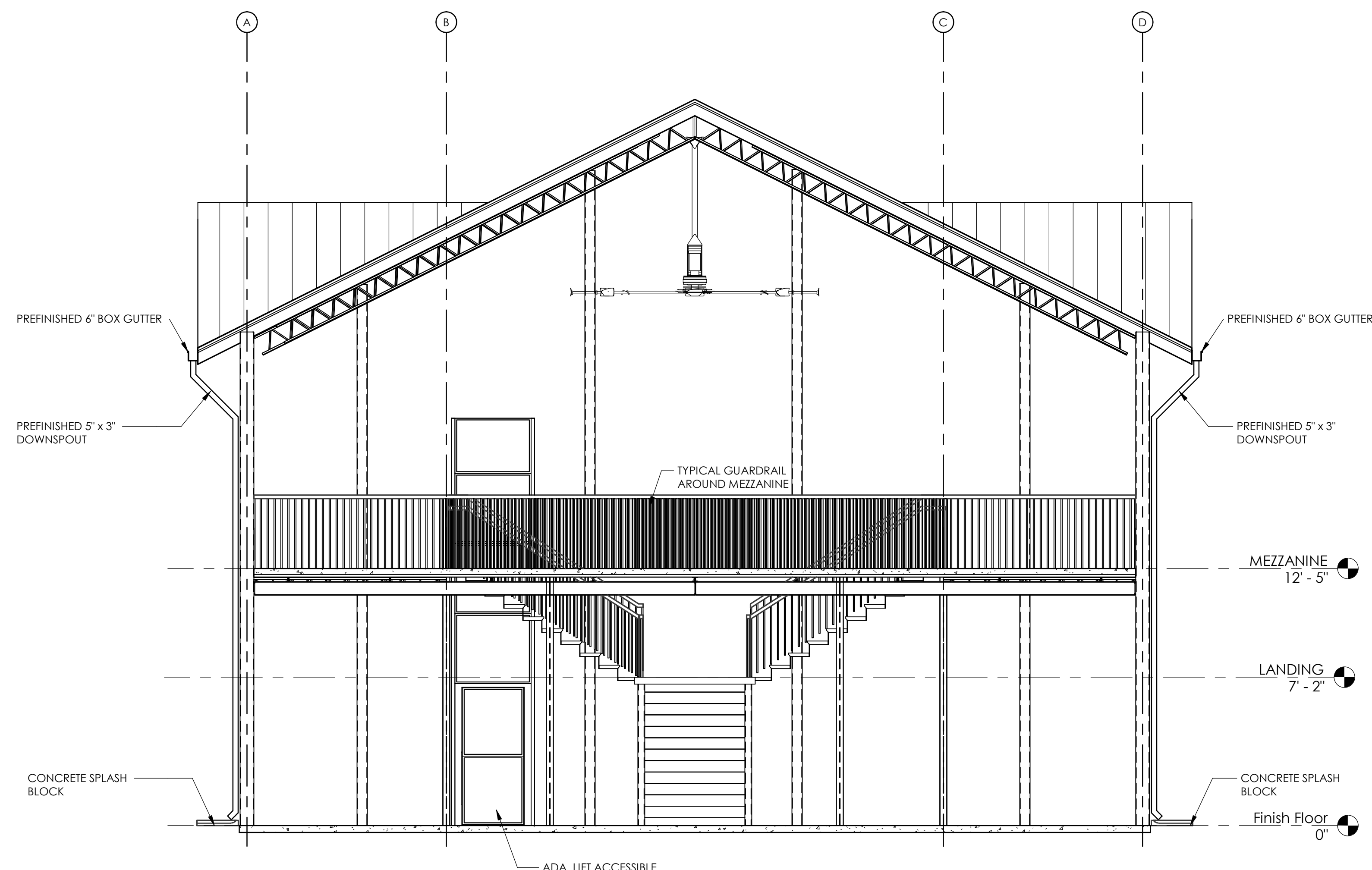
1 EAST ELEVATION
SCALE: 1/4" = 1'-0"



2 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



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



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

NOTE:
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www.tlmae.com
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731.988.9840 (phone) - 731.988.9952 (fax)

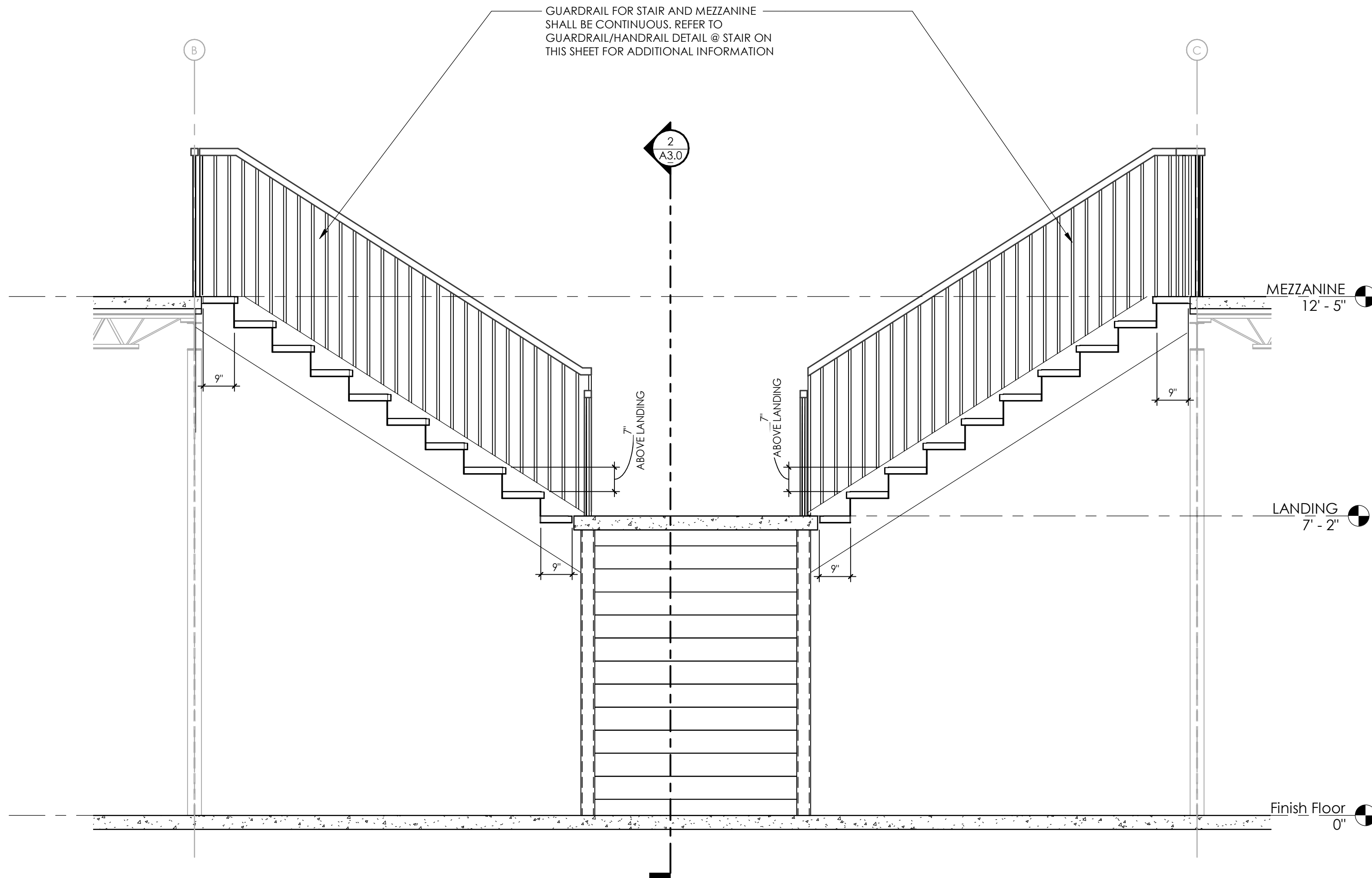
STAIR SECTION AND DETAILS

PHASE II
LAWRENCEBURG SQUARE PAVILION
SOUTH MILITARY AVENUE
LAWRENCEBURG, TENNESSEE

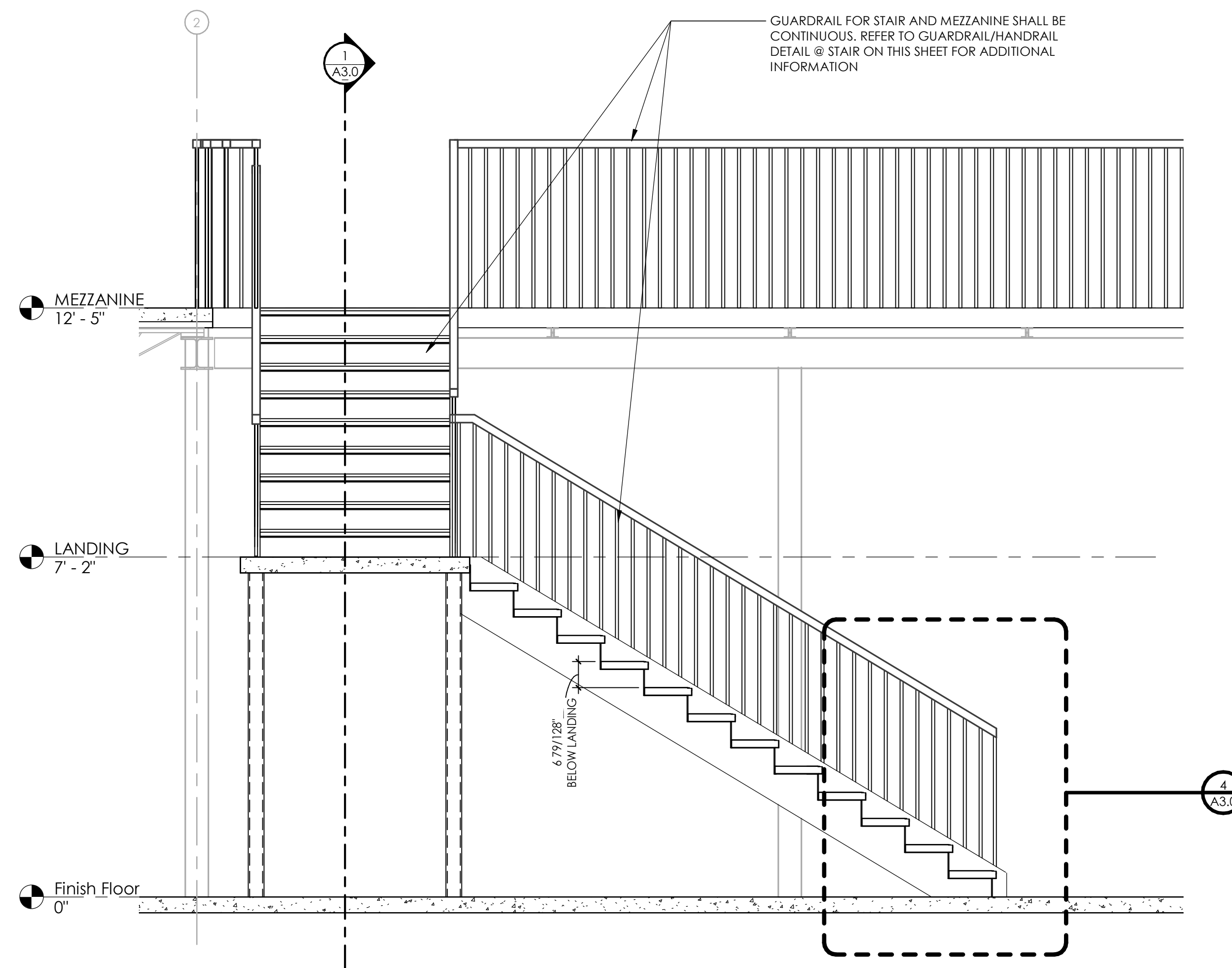
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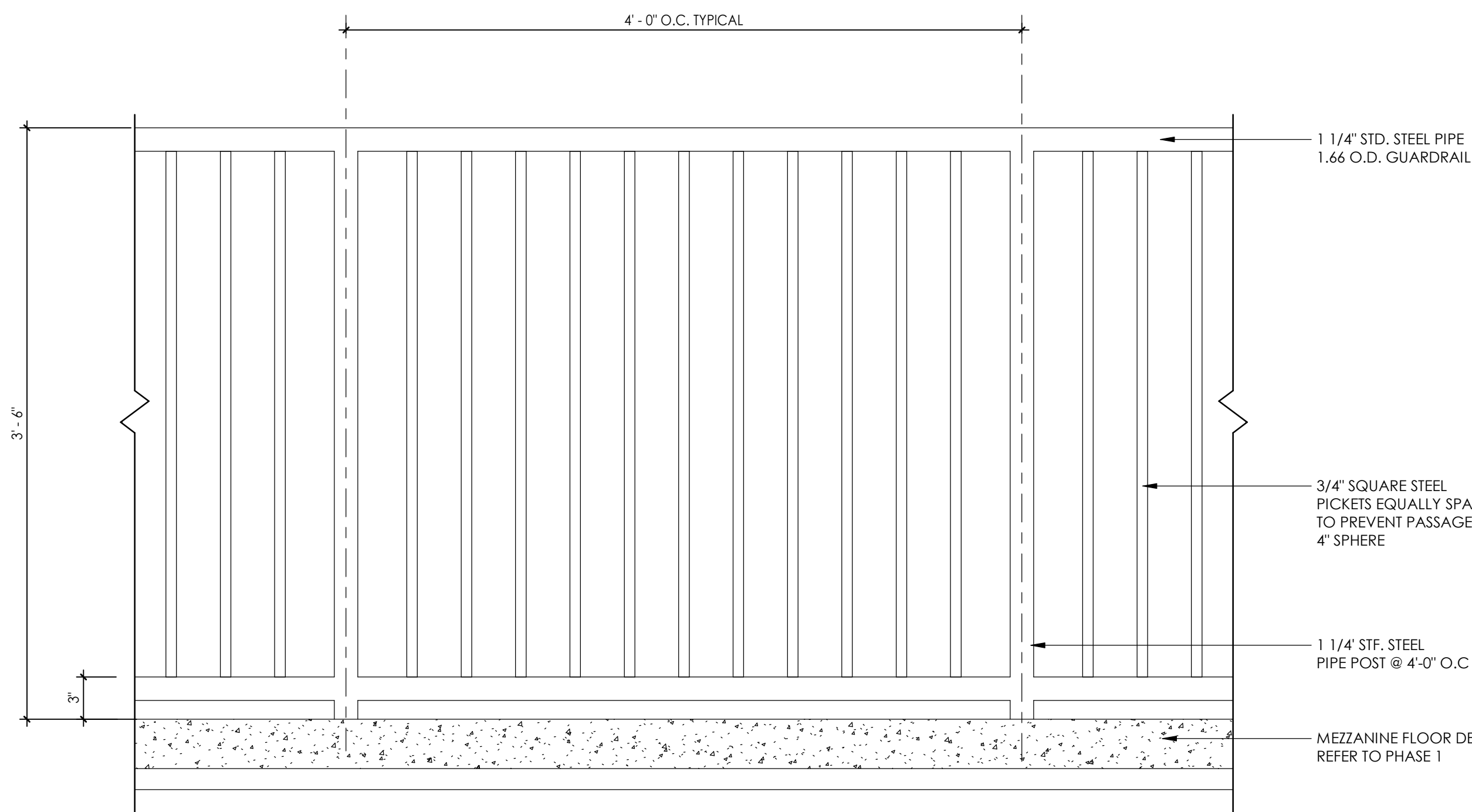
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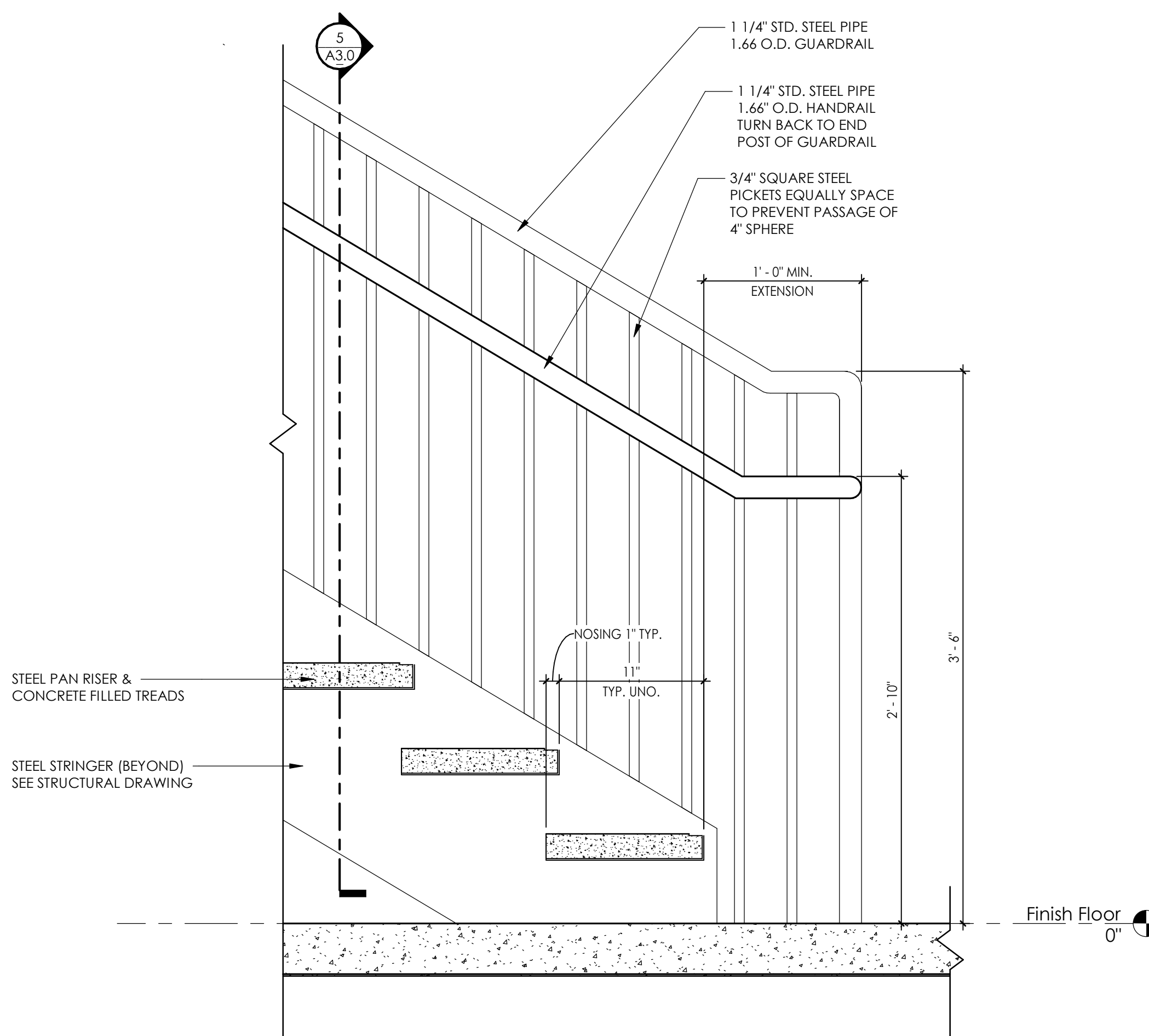
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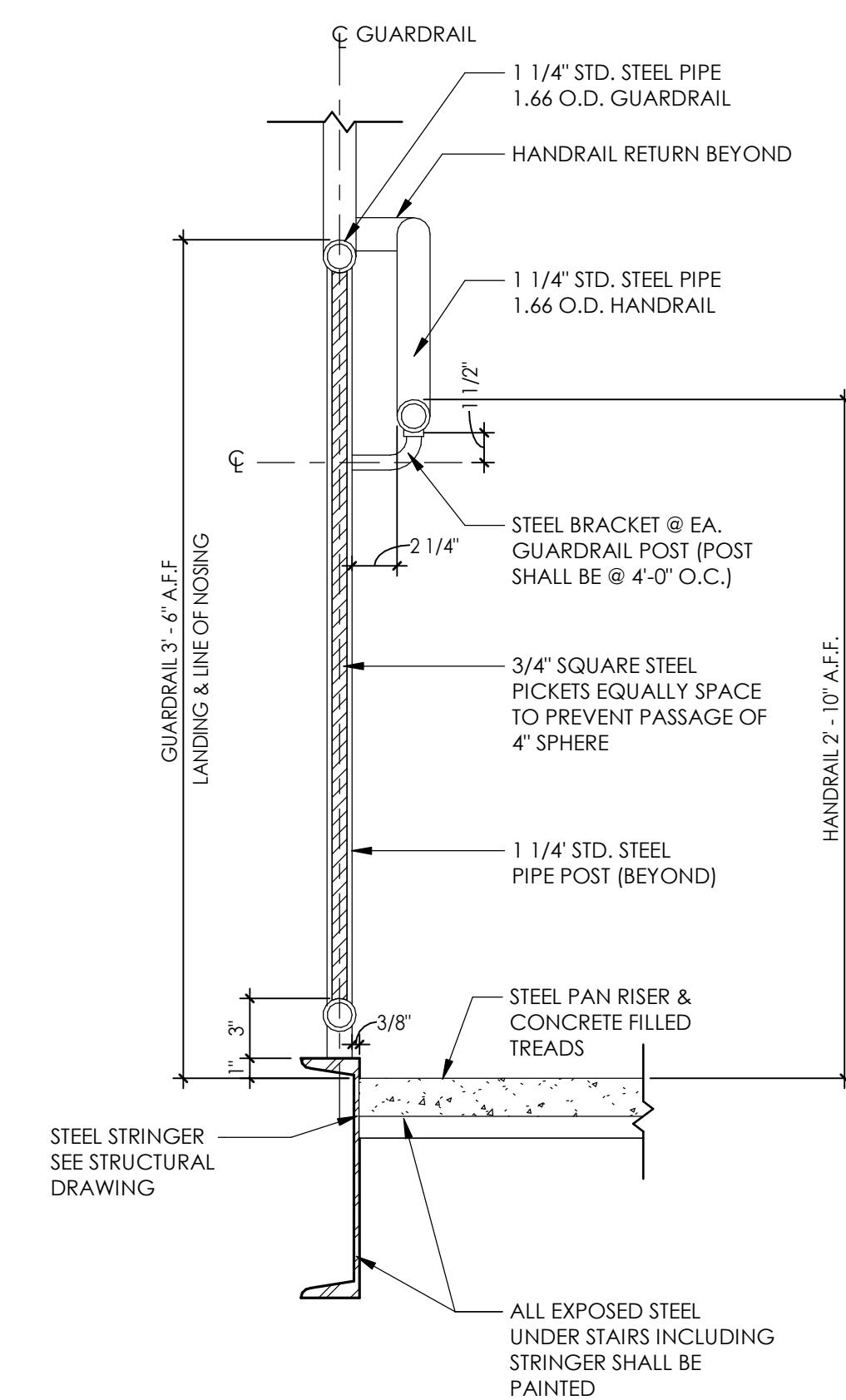
2 STAIR SECTION
SCALE: 1/2" = 1'-0"



3 TYPICAL GUARDRAIL ELEVATION @ MEZZANINE
SCALE: 1 1/2" = 1'-0"



4 GUARDRAIL/HANDRAIL DETAIL @ STAIR
SCALE: 1 1/2" = 1'-0"



5 GUARDRAIL/HANDRAIL DETAIL @ STAIR
SCALE: 1 1/2" = 1'-0"

NOTE:

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ABBREVIATIONS			
ABOVE FINISH FLOOR	- AFF	KIPS	- (1000 LBS)
ADDITIONAL	- ADDN	KIPS PER LINEAL FOOT	- KLF
ADJACENT	- ADJ	KIPS PER SQUARE INCH	- KSI
AIR CONDITIONING	- A/C	KIPS PER SQUARE FEET	- KSF
AIR HANDLING	- AHU		
ALTERNATE	- ALT	LIGHTWEIGHT CONCRETE	- LWLT
ANCHOR	- ANC	LIVE LOAD	- LL
ANCHOR BOLT	- AB	LONGITUDINAL	- LONG
AND	- &	LONG LEG HORIZONTAL	- LLH
ANGLE	- L	LONG LEG VERTICAL	- LLV
APPROVED	- APPRV	LOOSE ANGLE LINTEL	- LAL
APPROXIMATE	- APPROX.		
ARCHITECTURAL	- ARCH.	MANUFACTURE(R)	- MFR
AT (WHEN INDICATING SPACING ONLY)	- @	MASONRY	- MAS
		MASONRY OPENING	- MO
		MATERIAL	- MATL
		MAXIMUM	- MAX
		METAL BUILDING	- MBMA
BACK TO BACK	- B TO B		
BALANCE	- BAL		
BASEMENT	- BSMT	MANUFACTURER ASSOCIATION	- MECH
BASE PLATE	- BSPL	MECHANICAL	- MECH
BEAM	- BM	MEZZANINE	- MEZZ
BEARING	- BRG	MIDDLE	- MID
BELOW FINISH FLOOR	- BFF	MINIMUM	- MIN
BETWEEN	- BTWN	MISCELLANEOUS	- MISG
BLACK	- BLK	MOMENT	- M
BLOCKING	- BLKG	MOMENT CONNECTIONS	- MC
BOTTOM	- BOT		
BOTTOM CHORD	- BCX	NEAR FACE - NF NEAR SIDE	- NS
BRICK	- BRK	NOMINAL	- NOM
BRIDGING	- BRDG	NOT IN CONTRACT	- NIC
BUILDING	- BLDG	NOT TO SCALE	- NTS
		NUMBER	- NO. or #
CENTER	- CTR		
CENTERLINE	- CL	ON CENTER	- OC
CENTER TO CENTER	- C TO C OR	OPENING(S)	- OPNG(S)
	- C/C		
CHANNEL	- C	OPPOSITE	- OPP
CLEAR OR CLEARANCE	- CLR	OUTSIDE FACE	- OSF
COLUMN	- COL	OUTSIDE DIAMETER	- OD
COMPLETE JOINT PENETRATION	- C/P	OUTSTANDING LEG	- OSL
COMPRESSION	- COMP		
CONCRETE	- CONC	PARALLEL	- PAR.
CONCRETE MASONRY UNIT	- CMU	PARTITION(S)	- PARTIN(S)
CONNECTION(S)	- CONN(S)	PENETRATION	- PEN
CONTINUOUS	- CONT	PERMANENT	- PERM
CONTRACTOR	- CONTR	PERPENDICULAR	- PERP
CONSTRUCTION	- CONST	PLATE	- PL
CONTROL JOINT	- CJ	PLUMBING	- PLBG
CORNER	- COR	PNEUMATIC	- PNEU
COVER PLATE	- COV PL	POST-TENSION	- PT
		POUNDS	- LBS
DEGREE	- DEG OR °	POUNDS PER LINEAL FOOT	- PLF
DETAIL	- DET	POUNDS PER SQUARE INCH	- PSI
DEAD LOAD	- DL	POUNDS PER SQUARE FEET	- PSF
DIAGONAL	- DIAG	POUNDS PER CUBIC YARD	- PCY
DIAMETER	- DIA OR Ø	PRECAST CONCRETE	- PC
DIMENSION(S)	- DIM(S)	PREFABRICATED	- PREFAB
DOVETAIL	- DVTL	PRELIMINARY	- PRELIM
DRAWING(S)	- DWG(S)	PRESSURE INJECTED FOOTING	- PIF
DOUBLE	- DBL	PROJECTION	- PROJ
DOUBLE EXTRA STRONG	- XXS		
DOWEL(S)	- DWL(S)	RADIUS	- RAD
DOWN	- DN	REFERENCE	- REF
		REINFORCED CONC PIPE	- RCP
EACH	- EA	REINFORCING	- REINF
EACH FACE	- EF	REQUIRED	- REQD
EACH WAY	- EW	RISER - RIS ROOF	- RTU
EDGE OF STEEL	- EDS	ROOF DRAIN	- RD
ELECTRICAL	- ELEC	ROOF TOP UNIT	- RTU
ELEVATION	- EL	ROOM	- RM
ELEVATOR	- ELEV	ROUND	- RND
ENGINEER	- ENGR		
EQUAL	- EQ	SCHEDULE	- SCHED
EQUIPMENT	- EQUIP.	SECTION	- SECT
EXISTING	- EXIST.	SHEAR	- V
EXPANSION	- EXP	SHEET	- SHT
EXPANSION ANCHOR	- EXP ANC	SIMILAR	- SIM
EXPANSION JOINT	- EJ	SPACE	- SP
EXTENSION	- EXTN	SPECIFICATION(S)	- SPEC(S)
EXTERIOR	- EXT	SPECIFIED	- SPEC'D
EXTRA STRONG	- XS	SQUARE	- SQ
		STANDARD	- STD
FABRICATOR	- FABR	STEEL	- STL
FACE TO FACE	- FT O F	STIFFENER	- STIFF
FAR SIDE	- FS	FASTENER	- STR
FIELD VERIFY	- FV	STIRRUPS	- STIR
FINISHED	- FIN.	STRUCTURE OR STRUCT'L	- STRUCT
FLANGE	- FLG	SYMMETRICAL	- SYM
FLOOR	- FL	SUPPORT(S)	- SUP(T)S
FLOOR DRAIN	- FD		
FOOT	- FT	TEMPERATURE	- TEMP
FOOTING	- FTG	TENSION	- T
FOUNDATION	- FDN	THICK	- THK
FRAMING	- FRMG	TONGUE AND GROOVE	- T&G
		TOP AND BOTTOM	- T&B
GAGE OR GAUGE	- GA	TOP CHORD EXTENSION	- TCX
GALVANIZED	- GALV	TOP OF BEAM	- TOB
GENERAL	- GENL	TOP OF FOOTING	- TOF
GOVERNMENT	- GOVT	TOP OF JOIST	- TOJ
GRADE	- GR	T.O.P. OF RIR	- T.O.P.
GRADE BEAM	- GR BM	TOP OF FILE CAP	- TOPC
GROUND	- GRD	TOP OF STEEL	- TOS
		TOP OF WALL	- TOW
HARD ROCK	- HD RK	TREAD	- TR
HEADED STUD(S)	- HSA	TYPICAL	- TYP
HEIGHT	- HT		
HIGH STRENGTH	- HS	UNLESS NOTED OTHERWISE	- UNO
HOOK	- HK		
HORIZONTAL	- HORIZ	VERTICAL	- VERT
INFORMATION	- INFO	WATER PROOFING	- WPG
INSIDE DIAMETER	- ID	WATER STOP	- WS
INSIDE FACE	- I.F.	WELDED WIRE FABRIC	- WWF
INTERIOR	- INT	WIND LOAD	- WL
INTERMEDIATE	- INTM	WINDOW	- WDW
		WITH	- W/
JOINT	- JT	WITHOUT	- W/O
JOIST(S)	- JST(S)	WOOD	- WD
JOIST GIRDER	- JG	WORK POINT	- WP
		W/	- W/

1.1. GENERAL NOTES:
 DRAWINGS INCLUDE GENERAL NOTES AND TYPICAL DETAILS IN ADDITION TO PLANS, SECTIONS, AND SPECIFIC DETAILS. GENERAL NOTES AND TYPICAL DETAILS DESCRIBE GENERAL CRITERIA THAT APPLY TO ALL SIMILAR CONDITIONS THROUGHOUT THE PROJECT REGARDLESS OF WHETHER OR NOT THEY ARE SPECIFICALLY REFERENCED IN THE PLANS OR DETAILS.

1.2. STRUCTURAL CONSTRUCTION DOCUMENTS MUST BE USED IN CONJUNCTION WITH THE OVERALL CONSTRUCTION DOCUMENT SET. THE CONTRACTOR MUST COORDINATE THE STRUCTURAL DOCUMENTS WITH THE DOCUMENTS PROVIDED BY OTHER DISCIPLINES (ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, HVAC, AND ELECTRICAL).

1.3. PLANS, DETAILS & SECTIONS SHALL NOT BE SCALED FOR QUANTITY OR LENGTH.

1.4. THE STRUCTURAL SYSTEM WILL ONLY PERFORM AS DESIGNED WHEN THE SYSTEM HAS BEEN CONSTRUCTED IN ITS ENTIRETY. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING DURING CONSTRUCTION THAT MEETS ALL REGULATOR REQUIREMENTS FOR WORKER SAFETY. TEMPORARY BRACING SHALL NOT BE REMOVED UNTIL ALL PERMANENT BRACING ELEMENTS HAVE BEEN CONSTRUCTED.

1.5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO FABRICATION/CONSTRUCTION. NOTIFY STRUCTURAL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES PRIOR TO FABRICATION/CONSTRUCTION.

1.6. ALL WORKMANSHIP & MATERIAL SHALL MEET ACI, AWS, & AISC STANDARDS.

2.0. DESIGN CRITERIA:

2.1. CODES AND SPECIFICATIONS:

2.1.1 GENERAL BUILDING CODE: INTERNATIONAL BUILDING CODE, 2012 EDITION (IBC 2012)

2.1.2 CONCRETE: BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-11)

2.1.3 STRUCTURAL STEEL: SPECIFICATIONS FOR STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC 360-10)

2.2. VERTICAL DESIGN LOADS (PSF):

2.2.1 DEAD LOADS: ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE GENERAL CONTRACTOR TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF THE LOAD CARRYING CAPACITY OF THE STRUCTURE.

2.2.2 LIVE LOADS:

STAIR	100.0 PSF
HANDRAIL & GUARDS	50 LB/FT
TOP RAIL (UNIFORM)	200 LB (CONC.)
CONC. LOAD (ANY POINT, ANY DIRECT.)	50 LB ON AREA EQUAL TO 1 SF
INTERMEDIATE RAIL (HORIZ LOAD)	

2.3. LATERAL LOADS:

2.3.1 WIND LOADS: WIND LOADS LISTED UNDER COMPONENTS & CLADDING ARE BASED ON ASCE 7-10, METHOD 2 – ANALYTICAL PROCEDURE. C & C FOR LOW-RISE BUILDINGS. WIND PRESSURES LISTED WERE BASED ON THE BUILDINGS GEOMETRY (LENGTH, HEIGHT, ROOF SLOPE, ETC.) ALONG WITH THE LISTED DESIGN PARAMETER BASED ON THE EXPOSURE & OCCUPANCY FOR ROOF ZONE & WALL ZONE LOCATIONS & DIMENSIONS. MANUFACTURER FOR MISC. CONSTRUCTION MATERIALS SHALL COORDINATE WITH THE PLANS TO DETERMINE THE APPLICABLE SECTION OF THE DESIGN GUIDE FOR WHICH THE BUILDING IS DESIGNED.

2.3.2 WIND LOADS:

ULTIMATE WIND SPEED (3 SEC. GUST)	120 MPH
WIND IMPORTANCE I_w	III
RISK CATEGORY	1.0
EXPOSURE CATEGORY	C
INTERNAL PRESSURE COEFFICIENT	(±) 0.0 (OPEN)

2.3.3 SEISMIC LOADS:

0.2 SEC. MAPPED SPECTRAL RESPONSE ACCEL. (S_s)	0.312
1.0 SEC. MAPPED SPECTRAL RESPONSE ACCEL. (S_1)	0.149
SHORT PERIOD SPECTRAL RESPONSE COEFF. (S_{ds})	0.25
1.0 SEC PERIOD SPECTRAL RESPONSE COEFF. (S_{d1})	0.164
RISK CATEGORY	III
SITE CLASS	C
SEISMIC DESIGN CATEGORY	C

BASIC STRUCTURAL SYSTEM & DESIGN VALUES: APPENDICES AND ORNAMENTATIONS COMPONENT RESPONSE MODIFICATION COEFF., R_w		2.50
OVERSTRENGTH FACTOR, O_h		2.50
AMPLIFICATION FACTOR, a_v		2.50
COMPONENT IMPORTANCE FACTOR, I_p		1.50
ANALYSIS PROCEDURE		SEISMIC DESIGN REQUIREMENTS FOR NONSTRUCTURAL COMPONENTS
SEISMIC DESIGN FORCE, F_p		2.0 (KIPS)

3.0. GEOTECHNICAL NOTES:

3.1 GEOTECHNICAL REPORT: FOUNDATION DESIGN IS BASED ON A GEOTECHNICAL REPORT BY TIL, INC., ENTITLED PROJECT NO.000230803426.00, DATED 12/18/23. THE GENERAL CONTRACTOR WHO IS AWARDED THIS CONTRACT SHALL OBTAIN A COPY OF THE GEOTECHNICAL REPORT AND SHALL FOLLOW ALL REQUIREMENTS WITHIN THE FOLLOWING:

3.2 FOUNDATION DESIGNED BASED ON THE REPORT:

ALLOWABLE SOIL BEARING PRESSURE 2,500 PSF

SUBGRADE MODULUS 100 PCF

4.0. CONCRETE NOTES:

4.1 CONCRETE SHALL MEET THE FOLLOWING REQUIREMENTS IN ACCORDANCE WITH ITS USE:

DESCRIPTION OF USE	STRENGTH (PSI)	AGGREGATE TYPE	MAX. SLUMP (IN.)	AIR CONTENT (%)
EXTERIOR/PERIMETER WALL FOOTINGS	3000	NW	3-5	3-6
SLAB ON GRADE, EXTERIOR	3000	NW	2-4	3-6

NOTES:

1. STRENGTH REFERS TO REQUIRED CYLINDER COMPRESSIVE STRENGTH AT 28 DAYS.
2. "NW" REFERS TO NORMAL WEIGHT CONCRETE (W/ LIMESTONE AGG.) HAVING AIR DRY UNIT WEIGHT OF APPROXIMATELY 145 PCF.
3. MAXIMUM WATER-CEMENT RATIOS CAN BE FOUND IN SPECIFICATION SECTION 03010.1 IN NO CASE SHALL WATER-CEMENT RATIO EXCEED A.C.I. CODE MAXIMUMS.

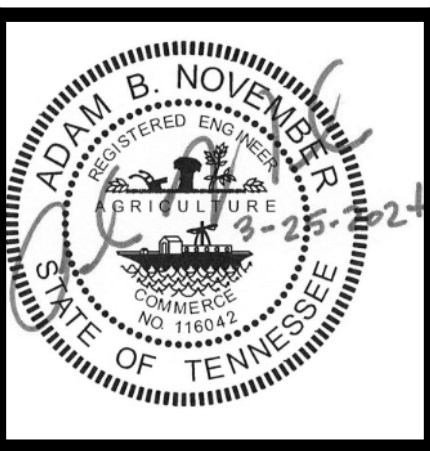
4.2 REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. LAP REINFORCING BARS AS PER ACI 318, CLASS "B" TENSION LAP. PLACEMENT AND DETAILING SHALL BE IN ACCORDANCE WITH ACI 315.

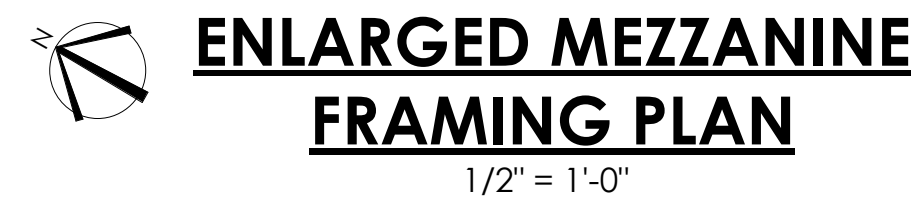
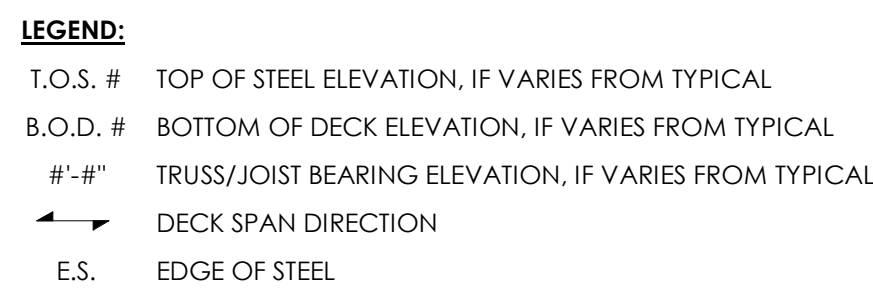
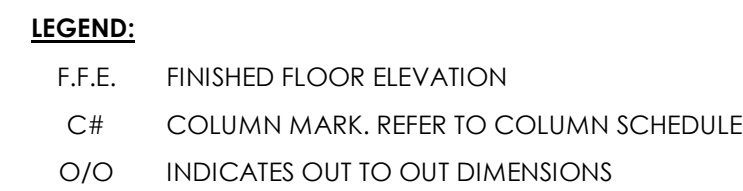
4.3 ALL REINFORCING MARKED CONTINUOUS SHALL BE SPLICED WITH CLASS "B" TENSION LAP SPLICE, UNLESS NOTED OTHERWISE.

4.4 REINFORCING STEEL SCHEDULES IN SECTIONS IS SCHEMATIC INDICATIONS THAT REINFORCING EXIST. SEE SCHEDULES. SECTION NOTES AND GENERAL NOTES FOR ACTUAL REINFORCING.

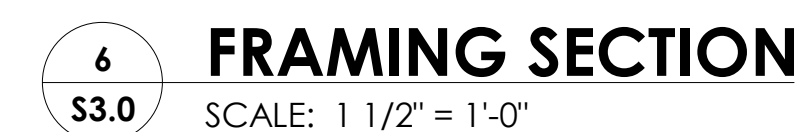
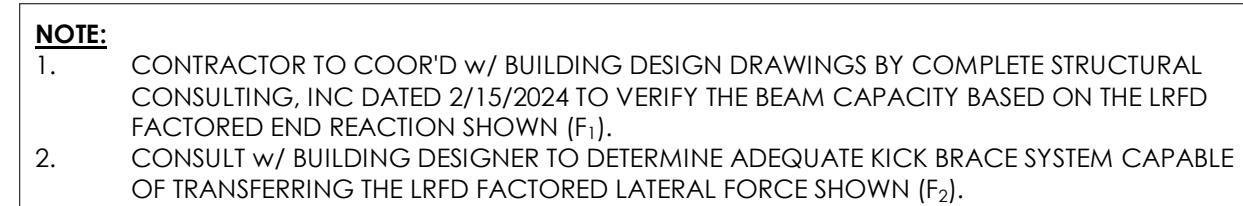
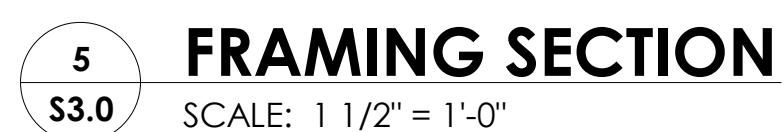
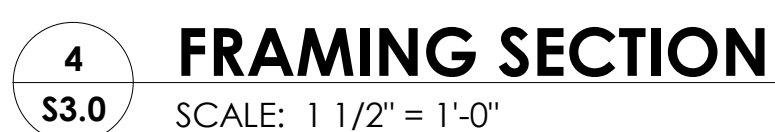
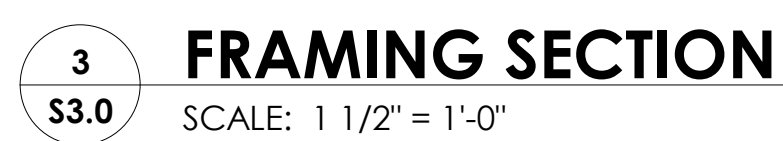
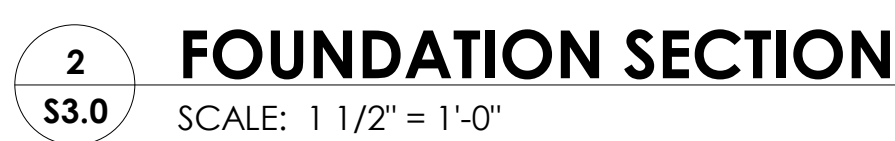
4.5 WELDED WIRE FABRIC (W/F): ASTM A1064, MINIMUM LAP AND EMBEDMENT TO BE THE GREATER OF ONE CROSS WIRE SPACING PLUS 2 INCHES OR 6 INCHES. SHEET TYPE W/M (NOT ROLLED) SHALL BE USED.

STRUCTURAL STEEL NOTES:																																						
5.1	STEEL SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS UNLESS OTHERWISE NOTED OTHERWISE ON THE DRAWINGS:																																					
	PLATES, ANGLES AND BARS					ASTM A36																																
	ROLLED SHAPES [EXCEPT ANGLES]					ASTM A992, GR. 50 KSI																																
	STEEL PIPE					ASTM A53, TYPE E OR S, GR. C																																
	STEEL TUBE					ASTM A500, GR. B																																
	THRU BOLTS [3/4" Ø MIN., US MANUF.]					ASTM A325N, TYPE 1																																
	HIGH STRENGTH HEAVY HEX NUTS [PLAIN]					ASTM A563, GR. C																																
	HIGH STRENGTH HEAVY HEX NUTS [GALV]					ASTM A563, GRADE DH																																
	HARDENED STEEL WASHERS [PLAIN]					ASTM A436, TYPE 1																																
	TENSION INDICATING WASHERS					ASTM F959																																
	ANCHOR BOLTS					ASTM F1554 w/ S1 WELD ABILITY (MIN. GR. 36)																																
5.2	ALL STRUCTURAL STEEL AND ANCHORS EXPOSED TO WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123 OR A153 AS APPLICABLE																																					
5.3	WELDED CONNECTIONS; E70XX ELECTRODES, MINIMUM SIZE FILLET WELD 3/16".																																					
5.4	ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH THE STRUCTURAL WELDING CODE, AWS D1.1																																					
5.5	UNLESS NOTED OTHERWISE, FACE BRICK SHALL BE SUPPORTED ACROSS OPENINGS [WINDOWS, MECHANICAL OPENINGS, ETC.] w/ A GALVANIZED LOOSE ANGLE UNTEL. REQUIRED UNTEL SHALL BE L4x4x3/8 FOR OPENINGS LESS THAN 6"0" AND L6x4x3/8 (LLV) FOR OPENINGS UP TO 7'-0" CLEAR. CONTRACTOR SHALL CONSULT w/ ENGINEER FOR ALL OPENINGS EXCEEDING 7'-0" CLEAR. 8 INCHES OF BEARING SHALL BE PROVIDED ON EACH SIDE OF OPENING. PROVIDE 1/2 INCH EXPANSION JOINT [WITH SEALANT] AT EACH END OF LAL, TYP. UNO.																																					
5.6	IF WELD SIZE IS NOT SHOWN, MINIMUM WELD SIZE PER AWS AND AISC STANDARDS SHALL BE USED FOR THICKER PART JOINED.																																					
5.7	ALL BEAM TO STEEL TUBE COLUMN CONNECTIONS SHALL BE SINGLE PLATE CONNECTIONS AS SHOWN ON S1 SERIES SHEETS. ALL BEAM TO BEAM AND BEAM TO WIDE FLANGE COLUMN CONNECTIONS SHALL BE TYPE I DOUBLE ANGLE CONNECTIONS DESIGNED FOR ¾ OF THE TOTAL UNIFORM LOAD TABLES IN PART 4 OF THE AISC MANUAL OF STEEL CONSTRUCTION FOR THE GIVEN BEAM SIZE, GRADE AND SPAN. THE FOLLOWING TABLE GIVES THE MINIMUM NUMBER OF 3/4" Ø A325N BOLTS TO BE USED IN ALL TYPE II CONSTRUCTION CONNECTIONS WITH 3/8" ANGLES.																																					
	<table border="1"> <thead> <tr> <th>BEAM SIZE</th><th>MIN. # OF BOLTS</th></tr> </thead> <tbody> <tr><td>C5</td><td>2</td></tr> <tr><td>W8</td><td>2</td></tr> <tr><td>W10</td><td>2</td></tr> <tr><td>W12</td><td>3</td></tr> <tr><td>W14</td><td>3</td></tr> <tr><td>W16</td><td>4</td></tr> <tr><td>W18</td><td>4</td></tr> <tr><td>W21</td><td>5</td></tr> <tr><td>W24</td><td>6</td></tr> <tr><td>W27</td><td>6</td></tr> <tr><td>W30</td><td>7</td></tr> <tr><td>W33</td><td>7</td></tr> <tr><td>W36</td><td>8</td></tr> </tbody> </table>										BEAM SIZE	MIN. # OF BOLTS	C5	2	W8	2	W10	2	W12	3	W14	3	W16	4	W18	4	W21	5	W24	6	W27	6	W30	7	W33	7	W36	8
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W36	8																																					
6.0	METAL DECK NOTES:																																					
6.1	DECK PROPERTIES AND ATTACHMENTS SHALL BE IN ACCORDANCE WITH THE DECK INSTITUTE.																																					
6.2	DECK SHALL BE CONTINUED OVER THREE OR MORE SPANS.																																					
6.3	LIGHT GAUGE METAL FRAMING, SUSPENDED CEILING, LIGHT FIXTURES AND DUCTS OR OTHER UTILITIES SHALL NOT BE SUPPORTED BY THE METAL ROOF DECK.																																					
6.4	METAL DECK: METAL DECK SHALL BE PROVIDED AND AS INDICATED IN THE FOLLOWING TABLE:																																					
METAL DECK MARK	DEPTH (IN")	DECK TYPE	THK. (GAUGE)	Ip (MIN) IN ⁴ /FT	Im (MIN) IN ⁴ /FT	Sp (MIN) IN ² /FT	Sn (MIN) IN ² /FT	Fy (MIN) KSI	FINISH	FASTENER LAYOUT	NUMBER OF SIDE LAP FASTENERS PER SPAN																											
A	0.6	C	26	0.013	0.013	0.042	0.042	60	G	30/4	4																											
METAL DECK TABLE NOTES:																																						
1. REFER TO PLAN FOR LOCATION OF METAL DECK MARK.																																						
2. FINISH ABBREVIATIONS ARE AS FOLLOWS:																																						

[illegible]



NOTE 1: 70% OF COLUMN WALL OR WALL THICKNESS FOR RIGID FRAME [SRS] OR PER AISI TABLE J2.4, WHICHEVER IS GREATER. REFER TO AISI TABLE J2.4. FOR NON-RIGID FRAME COLUMNS.
NOTE 2: 100% OF COLUMN FLANGE THICKNESS OR FULL PENETRATION GROOVE WELDS FOR RIGID FRAME COLUMNS WITH $F_y = 50$ KSI. 75% OF COLUMN FLANGE THICKNESS FOR RIGID FRAME [SRS] COLUMNS WITH $F_y = 36$ KSI. REFER TO AISI J2.4 FOR NON-RIGID FRAME COLUMNS.
NOTE 3: 1-1/2" EDGE DISTANCE TYP. [J.10.0.1]. 2" EDGE DISTANCE FOR 1" & 1-1/8" DIAMETER ANCHOR BOLTS. 2-1/4" EDGE DISTANCE FOR 1-1/4" DIAMETER ANCHOR BOLTS. 1.75 x BOLT DIA. FOR BOLT DIA. GREATER THAN 1-1/4". ROUND ALL EDGE DISTANCES UP TO THE NEAREST 1/8". PLATES MUST HAVE ROLLED OR GAS CUT EDGES.
NOTE 4: NON-SHRINK, NON-METALLIC GROUT PAD [$f_c = 2 \times f'_c$ OF THE SUPPORTING CONCRETE], THICKNESS EQUAL TO 2 x BOLT DIA.



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SECTIONS

NEW CONSTRUCTION
for
LAWRENCE COUNTY
Lawrenceburg, Tennessee

MARCH 25, 2024

J-7134

S3.0



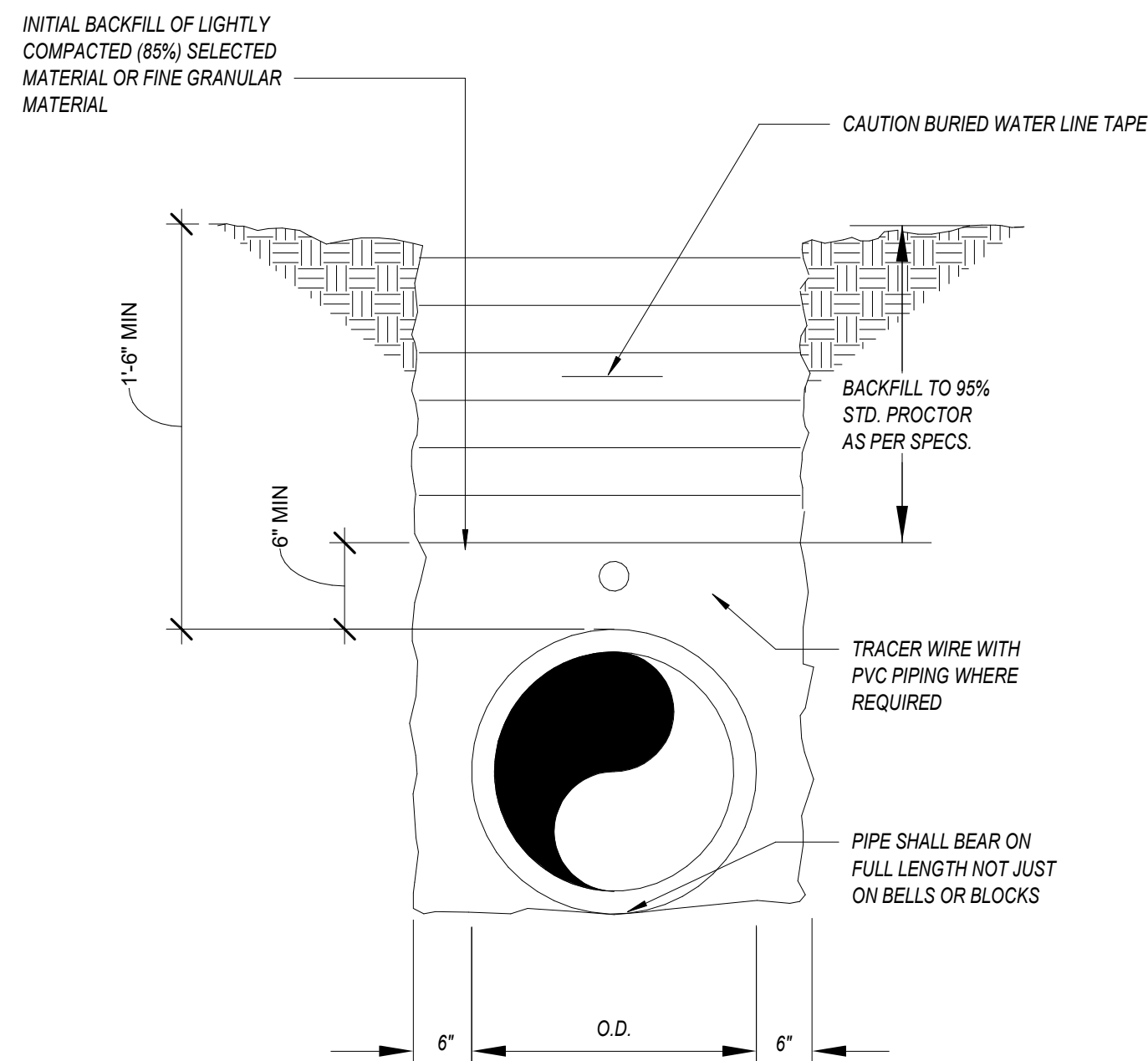
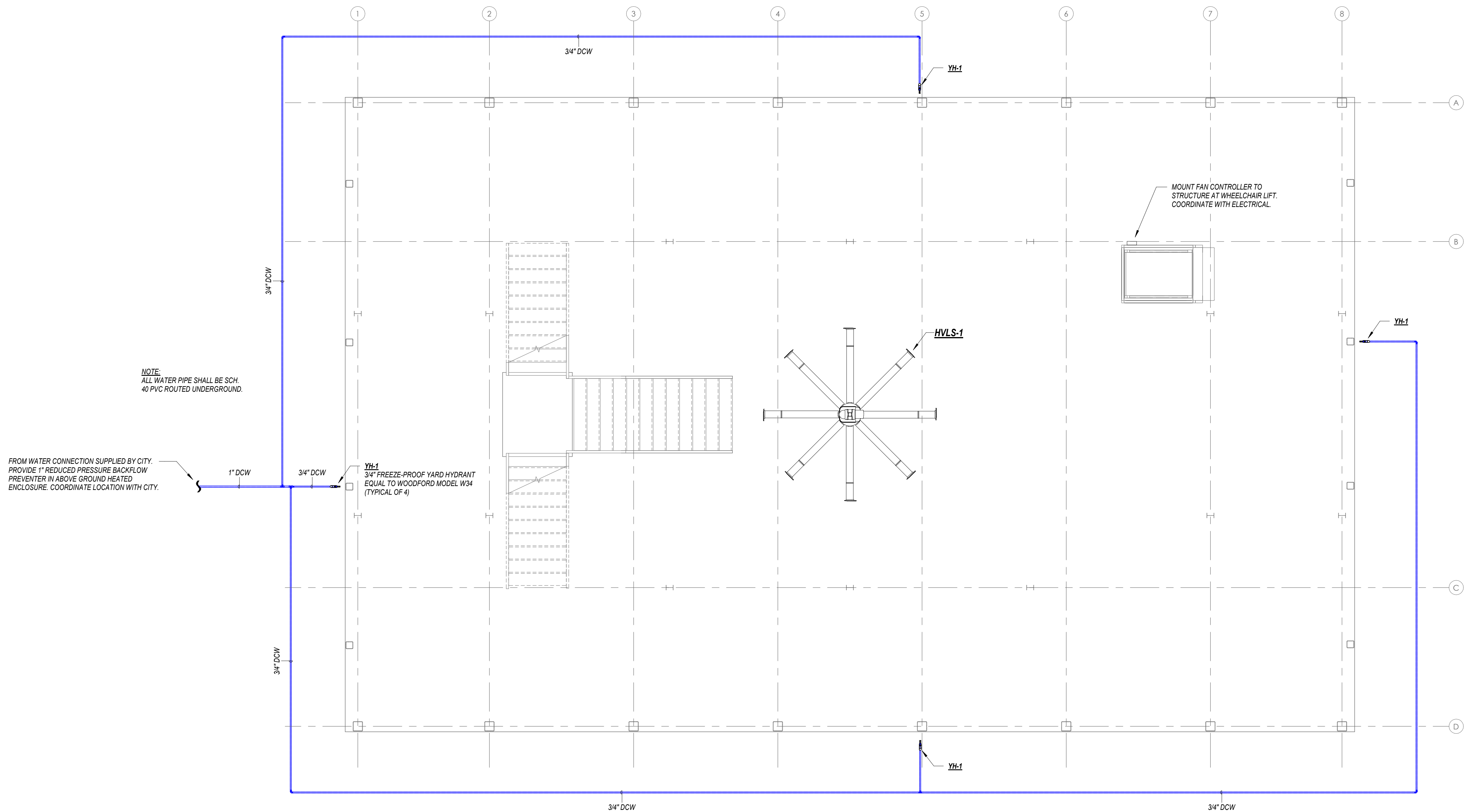
NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LOCAL, STATE, & FEDERAL BUILDING CODE AND STATE HEALTH REGULATIONS AS WELL AS ANY OTHER APPLICABLE LOCAL REQUIREMENTS.
2. THE COMPLETED INSTALLATION SHALL BE IN ACCORDANCE WITH ALL UTILITY COMPANY REGULATIONS, APPLICABLE INDUSTRY STANDARDS OF GOOD PRACTICE AND SAFETY AND THE MANUFACTURER'S RECOMMENDATIONS FOR EQUIPMENT AND PRODUCT APPLICATION AND INSTALLATION.
3. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY PERMITS, INSPECTIONS, ETC.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE COORDINATION. THESE DRAWINGS ARE DIAGRAMMATIC AND ARE NOT SHOP DRAWINGS. THEY ARE INTENDED TO SHOW GENERAL LAYOUTS AND ROUTING FOR BIDDING PURPOSES ONLY. THIS CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS BEFORE FABRICATION OF ANY MATERIALS AND PROVIDE NECESSARY OFFSETS AND APPURTENANCES IN DUCTWORK AND PIPING TO AVOID ALL OBSTRUCTIONS.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE DETAILED SHOP DRAWINGS AND TO CONFIRM SPACE ALLOCATIONS.
6. THE CONTRACTOR SHALL VISIT THE SITE, OBSERVE EXISTING CONDITIONS AND VERIFY THAT THE WORK CAN BE INSTALLED IN ACCORDANCE WITH THE DESIGN.
7. CONTRACTOR SHALL REVIEW ALL DRAWINGS AND DISCIPLINES, COORDINATE BEFORE CONSTRUCTION, AVOID INTERFERENCE WITH ARCHITECTURAL FEATURES, BEAMS, FOOTINGS, WINDOWS, ETC. NOTIFY ARCHITECT OF ANY CONFLICTS.
8. COORDINATE WITH ALL SITE UTILITIES. CONTRACTOR MAY REROUTE PLUMBING TO AVOID CONFLICT WITH OTHER TRADES AT NO ADDITIONAL COST TO THE OWNER AFTER FIRST RECEIVING THE APPROVAL OF THE ARCHITECT/ENGINEER.
9. SUBMIT PRODUCT DATA SHEETS AND SHOP DRAWINGS REPRESENTING THE WORK PROPOSED TO BE INSTALLED PRIOR TO THE ACTUAL INSTALLATION FOR REVIEW AND COMMENT BY THE ARCHITECT. SHOP DRAWINGS SHALL SHOW ALL EQUIPMENT, MAINTENANCE CLEARANCE, ETC.
10. ALL MATERIALS SHALL BE NEW AND OF THE FINEST QUALITY.
11. ALL WORK SHALL BE PERFORMED BY TRADESMEN THAT ARE TRAINED AND HIGHLY SKILLED IN THE WORK THAT THEY ARE TO PERFORM.
12. ALL EQUIPMENT, MATERIALS, AND LABOR FURNISHED BY THIS CONTRACTOR SHALL BE WARRANTED BY HIM FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE.
13. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR ALL VOLTAGES, ELECTRICAL LOADS, ETC. OF ELECTRICALLY OPERATED EQUIPMENT PRIOR TO ORDERING. ALL WIRING BY ELECTRICAL CONTRACTOR.
14. COORDINATE WITH GENERAL CONTRACTOR ON SIZE AND LOCATION OF STRUCTURAL SUPPORT OR CONCRETE PADS FOR ANY EQUIPMENT REQUIRING SUPPORT.
15. LOCATE EQUIPMENT WITH SUFFICIENT SPACE AROUND EQUIPMENT TO ALLOW NORMAL OPERATING AND MAINTENANCE ACTIVITIES.
16. VERIFY THAT EACH PIECE OF EQUIPMENT OR SYSTEM HAS BEEN CHECKED FOR PROPER LUBRICATION, DRIVE ROTATION, BELT TENSION, CONTROL SEQUENCE OR FOR OTHER CONDITIONS WHICH MAY CAUSE DAMAGE.
17. UNDERGROUND WATER PIPING SHALL BE TYPE "K" COPPER OR SCHEDULE 40 PVC (ASTM D1785), AS LOCAL CODES ALLOW.
18. ENSURE UNDERGROUND PIPE IS AT SUFFICIENT DEPTH TO PREVENT FREEZING.
19. FOLLOW ALL OSHA TRENCHING PROCEDURES.
20. BEDDING FOR ALL UNDERGROUND PIPING SHALL BE UNDISTURBED EARTH. BACKFILL WITH SUITABLE MATERIAL AND COMPACT IN 12" LIFTS.
21. INSTALL TRACER WIRE AND WARNING TAPE ABOVE ALL SITE UTILITY SERVICES.
22. PROVIDE NON-CONDUCTING DIELECTRIC CONNECTIONS WHEREVER JOINTING DISSIMILAR METALS.
23. DEMONSTRATE OPERATION AND MAINTENANCE OF PRODUCTS TO OWNER'S PERSONNEL ONE WEEK PRIOR TO DATE OF FINAL INSPECTION.
24. EXECUTE FINAL CLEANING PRIOR TO FINAL PROJECT ASSESSMENT.

HVLS SCHEDULE							
MARK	DESCRIPTION	WEIGHT (LBS)	MOTOR HP	VOLTAGE	MOCF	MODEL	NOTES
HVLS-1	12" DIAMETER HIGH VOLUME LOW SPEED FAN	245	2	208-230/1	20	BIG ASS FANS PFX4-12	1, 2, 3

NOTES:

1. SUPPORT FROM BUILDING STRUCTURE. PROVIDE SUPPLEMENTAL STEEL TO SPAN STRUCTURE AS REQUIRED.
2. PROVIDE EXTENSION TUBE AS REQUIRED (5 FT ANTICIPATED, CONTRACTOR TO VERIFY).
3. PROVIDE WEATHERPROOF ENCLOSURE FOR FAN CONTROLLER.

2 TRENCH DETAIL
NTS1 HVAC & PLUMBING PLAN
1/4" = 1'-0"



LUMINAIRE SCHEDULE

TYPE MARK	LAMPS	VOLTAGE	MOUNTING	FINISH	SPECIFICATIONS
'A'	60W LED @ 9,500 LUMENS	120 V	REFER TO NOTE #1	BLACK	PENDANT MOUNTED LED LOWBAY UFO FIXTURE W/ IP65 RATING (ASD #ASD-UHB3-100ADAC-BK OR EQUAL)
'B'	LED - 50W ALLOWANCE	120 V	SURFACE WALL @ 6'-0" A.F.F.	STANDARD	LED DECORATIVE WALL SCONCE TO BE PROVIDED AND INSTALLED BY THE OWNER. ELECTRICAL CONTRACTOR TO PROVIDE RACEWAY, JUNCTION BOXES AND CONDUCTORS
'C'	LED - 500W ALLOWANCE	120 V	PENDANT MOUNT - 20'-0" AFF TO BOTTOM	STANDARD	PENDANT CHANDELIER W/ LED LAMPS TO BE PROVIDED AND INSTALLED BY THE OWNER. ELECTRICAL CONTRACTOR TO PROVIDE RACEWAY, JUNCTION BOXES AND CONDUCTORS
	LED PAR LAMP	120 V	SURFACE WALL @ 7'-0" A.F.F.	BLACK	EMERGENCY FIXTURE W/ BLACK HOUSING, H.O. LED LAMPS, EMERGENCY BATTERY BACK UP SYSTEM AND TIME DELAY
	LED PAR LAMP	120 V	SURFACE WALL @ 7'-0" A.F.F.	BLACK	COMBINATION EXIT/EMERGENCY FIXTURE W/ GREEN LETTERS, BLACK HOUSING, LONG LIFE "LED" LAMPS, 1.2WATT LEDS AND EMERGENCY BATTERY BACK UP SYSTEM. PROVIDE EXTERIOR REMOTE EGRESS HEAD WHERE SHOWN.

LUMINAIRE SCHEDULE NOTES:

#1- MOUNT TYPE 'A' FIXTURES AT 11'-0" A.F.F. TO BOTTOM OF FIXTURE BELOW MEZZANINE. MOUNT TYPE 'A' FIXTURES AT 12'-0" A.F.F. TO BOTTOM OF FIXTURE ABOVE THE MEZZANINE.

BRANCH PANEL: L1

VOLTAGE AND PHASE: 120/240 VOLT, 1ø, 3W
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

MAINS RATING: 400 A
MAINS TYPE: MCB & SN

SERVICE ENTRANCE RATED

CKT	TRIP	POLES	TYPE	FEED	A		B		FEED	TYPE	POLES	TRIP	CKT
1	20 A	1		GROUND LEVEL RECEPTACLE	0.4	0.4			GROUND LEVEL RECEPTACLE		1	20 A	2
3	20 A	1		GROUND LEVEL RECEPTACLE			0.4	0.4	GROUND LEVEL RECEPTACLE		1	20 A	4
5	20 A	1		GROUND LEVEL RECEPTACLE	0.4	0.4			GROUND LEVEL RECEPTACLE		1	20 A	6
7	20 A	1		GROUND LEVEL RECEPTACLE			0.4	0.4	GROUND LEVEL RECEPTACLE		1	20 A	8
9	20 A	2	GFCI	GROUND LEVEL 220V RECEPTACLE	0.1	0.1			GROUND LEVEL 220V RECEPTACLE	GFCI	2	20 A	10
11							0.1	0.1					12
13	20 A	2	GFCI	GROUND LEVEL 220V RECEPTACLE	0.1	0.1			GROUND LEVEL 220V RECEPTACLE	GFCI	2	20 A	14
15							0.1	0.1					16
17	20 A	1		MEZZANINE RECEPTACLE	0.4	0.4			MEZZANINE RECEPTACLE		1	20 A	18
19	20 A	1		MEZZANINE RECEPTACLE			0.4	0.4	MEZZANINE RECEPTACLE		1	20 A	20
21	20 A	1		MEZZANINE RECEPTACLE	0.4	0.4			MEZZANINE RECEPTACLE		1	20 A	22
23	20 A	1		RECEPTACLE			0.4	0.4	RECEPTACLE		1	20 A	24
25					0.1	0.1							26
27	20 A	2	GFCI	MEZZANINE 220V RECEPTACLE			0.1	0.1	MEZZANINE 220V RECEPTACLE	GFCI	2	20 A	28
29					0.1	0.1							30
31	20 A	2	GFCI	MEZZANINE 220V RECEPTACLE			0.1	0.1	MEZZANINE 220V RECEPTACLE	GFCI	2	20 A	32
33					0.1	1.5							34
35	20 A	2		HFLS-1			0.1	1.4	WHEEL CHAIR LIFT		1	20 A	36
37	20 A	1		SCONCE LIGHTING	0.4	1.4			UNDER MEZZ LIGHTING		1	20 A	38
39	20 A	1		CHANDELIERS			1.0	0.2	MEZZANINE LIGHTING		1	20 A	40
41	20 A	1		SPARE	0.0	0.0			EXIT/EGRESS LIGHTING		1	20 A	42
43	20 A	1		SPARE			0.0	0.0	SPARE		1	20 A	44
45	20 A	1		SPARE	0.0	0.0			SPARE		1	20 A	46
47	20 A	1		SPARE			0.0	0.0	SPARE		1	20 A	48
49	20 A	1		SPARE	0.0	0.0			SPARE		1	20 A	50
51	20 A	1		SPARE			0.0	0.0	SPARE		1	20 A	52
53	20 A	1		SPARE	0.0	0.0			SPARE		1	20 A	54
TOTAL KW / PHASE:					7.2 kW		6.5 kW						
TOTAL AMPS / PHASE:					60 A		54 A						
PHASE TOTAL				TOTAL KW:		13.7 kW							
				TOTAL AMPS:		57 A							

PANELBOARD NOTES:

#1- ALL PANELBOARDS TO BE 'SQUARE D' OR AN APPROVED EQUAL.

#5- MAXIMUM NUMBER OF POLES IN A SINGLE SECTION TO BE 54.

#2- ALL PANELBOARDS TO HAVE PLATED ELECTRIC GRADE ALUMINUM BUSES, COVER MOUNTED PLASTIC ENGRAVED NAMEPLATES, AND NEMA-1 ENCLOSURES. NAMEPLATES TO BE FASTENED TO COVER W/ SCREWS.

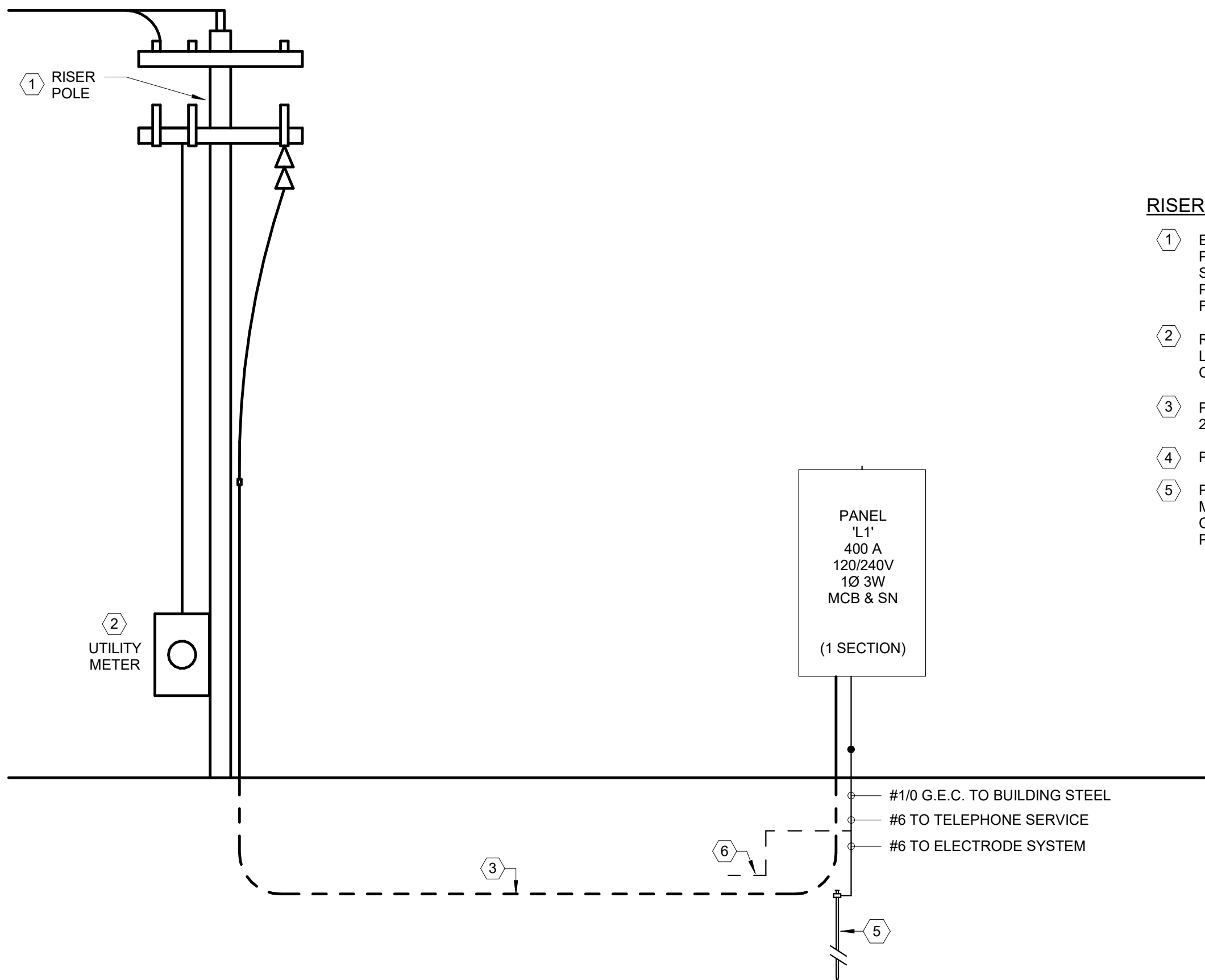
#6- TYPE DESIGNATIONS COLUMN IN PANELBOARD SCHEDULES ARE DEFINED AS FOLLOWS:

GFCI: PROVIDE GROUND FAULT CIRCUIT INTERRUPTER
LOCK: PROVIDE HANDLE LOCK
EXIST: EXISTING CIRCUIT BREAKER TO REMAIN AND BE REUSED
NEW: PROVIDE NEW CIRCUIT BREAKER TO MATCH EXISTING

#3- 120/240 VOLT BRANCH CIRCUIT BREAKERS TO HAVE A MINIMUM OF 10,000 AMPERES RMS' SYMMETRICIAL INTERRUPTING CAPACITY.

#7- *- FIRE ALARM CONTROL PANEL CIRCUIT BREAKER TO HAVE RED MARKING AND SHALL BE IDENTIFIED AS FIRE ALARM CIRCUIT.

#4- ALL SECTIONS OF MULTISECTION PANELBOARDS TO BE THE SAME SIZE.



ONE-LINE RISER DIAGRAM

RISER NOTES BY SYMBOL:

- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT AND SERICE CONDUCTORS FROM RISER POLE TO ENTRANCE. HORIZONTAL PORTIONS OF CONDUIT NOT UNDER PAVEMENT SHALL BE SCHEDULE 40 PVC. HORIZONTAL PORTIONS UNDER PAVEMENT, ELBOWS AND VERTICAL PORTIONS OF CONDUIT SHALL BE SCHEDULE 80 PVC. CONDUIT TO BE BURIED AT 18" BELOW FINISHED GRADE AND HAVE WARNING TAPE BURIED AT 12" BELOW FINISHED GRADE.
- RELOCATE UTILITY METER BASE FROM EXISTING RISER POLE TO NEW RISER POLE LOCATION. PROVIDE EMPTY 1" RGS CONDUIT UP POLE FROM METER TO CROSSARMS FOR CT CONDUCTORS.
- PROVIDE 2Ø #4 BARE COPPER CONCRETE ENCASED ELECTRODE IN FOUNDATION PER NEC 250-2. BOND ENCASED ELECTRODE TO REBAR IN FOUNDATION.
- PROVIDE 2 SETS OF 4 #3Ø AWG IN 2" PVC.
- PROVIDE A 3/4"Ø X 10'-0" DRIVEN GROUND ROD W/ #1Ø PIGTAIL INTO SERVICE ENTRANCE METER BASE NEUTRAL BUS. GROUND PANELBOARD GROUND BUS TO NEAREST METALLIC COLD WATER PIPE AND PROVIDE A #4 G.E.C. TO ENCASED ELECTRODE IN FOOTING. PROVIDE A #6 G.E.C. TO TELEPHONE SERVICE BOARD.

ELECTRICAL SPECIFICATIONS

ELECTRICAL SYSTEMS SHALL BE IN COMPLETE AND WORKING ORDER.

CODES, PERMITS, AND FEES: OBTAIN PERMITS, PAY FEES, AND SECURE INSPECTIONS REQUIRED BY AGENCIES HAVING AUTHORITY OVER THIS WORK.

PROVIDE SUBMITTALS FOR LIGHT FIXTURES, PANELBOARDS, AND FIRE ALARM SYSTEM IN ACCORDANCE WITH PROCEDURE DESCRIBED IN DIVISION 1

ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, WITH STATE AND LOCAL ELECTRICAL AND BUILDING CODES AND ORDINANCES, AND WITH SPECIAL CODES HAVING JURISDICTION OVER SPECIFIC PORTIONS WITHIN THE COMPLETE INSTALLATION.

PERFORM TESTING IN PRESENCE OF OWNER'S REPRESENTATIVE.

IDENTIFY ELECTRICAL EQUIPMENT WITH PERMANENTLY PLASTIC ENGRAVED ATTACHED LABELS.

AT TERMINATION OF WORK UNDER THIS DIVISION, FURNISH OWNER THREE COMPLETE BOUND SETS OF OPERATING INSTRUCTIONS ON EQUIPMENT FURNISHED UNDER THIS DIVISION.

MAKE ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT AND CONTROLS. DETERMINE REQUIREMENTS FROM DRAWINGS, SPECIFICATIONS, AND SHOP DRAWINGS.

MAINTAIN ONE SET OF ELECTRICAL PRINTS ON THE SITE, MARKED TO SHOW AS-BUILT CONDITIONS AND INSTALLATIONS. PREPARE COPIES OF THESE PRINTS AT JOB COMPLETION.

PROVIDE JUNCTION BOXES AS SHOWN ON DRAWINGS AND OTHERWISE WHERE REQUIRED. SIZED ACCORDING TO NUMBER OF CONDUCTORS IN BOX OR TYPE OF SERVICE TO BE PROVIDED.

INSTALL FEEDER WIRING IN CONDUIT. COMPLY WITH NATIONAL ELECTRICAL CODE AND LOCAL AUTHORITIES HAVING JURISDICTION, INCLUDING GROUNDING AND SUPPORTING ARRANGEMENT.

WIRING: WIRE AND CABLE SHALL BE TYPE THHN OR THW, 600V. WIRING SHALL BE MINIMUM #12 AWG. #12 AND #10 AWG CONDUCTORS SHALL BE SOLID WITH THWN OR THHN INSULATION. #8 AWG AND LARGER, STRANDED THW, THWN, OR THHN. COLOR CODE CONDUCTORS AS FOLLOWS:

120/208 VOLT	277/480 VOLT
PHASE A - BLACK	PHASE A - BROWN
PHASE B - RED	PHASE B - ORANGE
PHASE C - BLUE	PHASE C - YELLOW
NEUTRAL - WHITE	NEUTRAL - GRAY
GROUND - GREEN	GROUND - GREEN + YELLOW STRIPE

GROUNDING: PROVIDE ALL CABLES WITH GROUND CONDUCTORS. GROUND ELECTRICAL SYSTEM IN ACCORDANCE WITH ARTICLE 250, NATIONAL ELECTRICAL CODE AND LOCAL AUTHORITIES HAVING JURISDICTION. DO NOT USE FLEXIBLE METAL CONDUIT AND FITTINGS AS A GROUNDING MEANS. PULL A GREEN WIRE IN OR AROUND EACH PIECE OF FLEXIBLE CONDUIT AND SCREW TO CONDUIT SYSTEM WITH LUGS AT BOTH ENDS.

RACEWAYS: PROVIDE COMPLETE CONDUIT SYSTEM WITH ASSOCIATED COUPLINGS, CONNECTORS, AND FITTINGS.

USE FLEXIBLE METAL CONDUIT AT THE TERMINATION OF LIGHT FIXTURES OR OF EQUIPMENT SUBJECT TO MECHANICAL VIBRATION. FLEXIBLE METAL CONDUIT SHALL BE ELECTRICALLY CONTINUOUS FROM OUTLET OR CONDUIT END TO UTILIZATION EQUIPMENT. LENGTH SHALL NOT EXCEED 6 FEET EXPOSED OR 3 FEET CONCEALED IN WALLS. A COPPER GROUND WIRE SHALL BE INSTALLED AS A JUMPER AROUND FLEXIBLE CONDUIT. THE JUMPER MAY BE INSTALLED INSIDE OR OUTSIDE OF CONDUIT TO ASSURE CONTINUITY OF GROUND.

USE PVC CONDUIT FOR OUTSIDE UNDERGROUND BRANCH CIRCUITS, FOR ELECTRICAL SERVICE, AND FOR TELEPHONE SERVICE. USE IMC OR RGS ELLS WHEN TURNING UP ABOVE GROUND OR THROUGH CONCRETE SLAB. PVC CONDUIT SHALL BE CARLON, SCHEDULE 40.

FLEXIBLE WIRING SYSTEMS MAY BE EMPLOYED WITH APPROPRIATE FITTINGS, TERMINATIONS, BONDING, GROUNDINGS AND SUPPORTS AS ALLOWED BY CODE AND RECOMMENDED BY MANUFACTURER.

RUN EXPOSED CONDUIT AT RIGHT ANGLES TO OR PARALLEL TO WALLS OF BUILDING.

SUPPORT CONDUIT VERTICALLY AND HORIZONTALLY BY STRAPS OR HANGERS.

USE EXPANSION FITTINGS, PROPERLY BONDED TO ASSURE GROUND CONTINUITY ACROSS EXPANSION JOINTS IN FLOORS AND CEILINGS. USE SHORT PIECES, APPROXIMATELY TWO FEET OF FLEXIBLE CONDUITS, TO CONNECT MOTORS AND OTHER DEVICES SUBJECT TO MOTION AND VIBRATION.

IMC AND EMT CONDUIT SHALL BE HOT DIPPED, GALVANIZED, OR ELECTROGALVANIZED STEEL BY ALLIED, GENERAL ELECTRIC, REPUBLIC, TRIANGLE, OR WHEATLAND.

OUTLET BOXES: PROVIDE WIRING DEVICES, FIXTURES, AND SPECIAL OUTLETS WITH AN OUTLET BOX.

FLOOR BOXES SHALL BE FLUSH IN FLOOR, WITH COVER, MULTIGANG AS REQUIRED FOR THE SPECIFIC USE OF BOX.

WIRING DEVICES:
SINGLE POLE SWITCH - 15A, 120/277VAC, 1201-I
DUPLEX RECEPTACLE - 15A, 125VAC, 5252-I
GROUND FAULT INTERRUPTING RECEPTACLE - 15A, 125VAC, 6599-I

DEVICE PLATES: PROVIDE DEVICE PLATES ON SWITCHES, RECEPTACLES, TELEPHONE OUTLETS, AND MISCELLANEOUS DEVICES

PANELBOARDS: PROVIDE PANELBOARDS AS DESCRIBED IN PANEL SCHEDULES ON DRAWINGS.

WHERE SPECIFICATIONS AND THESE GENERAL NOTES DIFFER, SPECIFICATIONS SHALL PREVAIL

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION
	MOTOR CONNECTION (NUMBER IN CENTER INDICATES HORSEPOWER)
	DUPLEX 20A 125V RECEPTACLE. INSTALL @ 1'-6" A.F.F. IN FINISHED AREAS AND @ 4'-0" IN UNFINISHED AREAS.
	DUPLEX 20A 125V RECEPTACLE. INSTALL @ ROOF DECKING FOR SECURITY CAMERA
	QUAD (2-DUPLEXES UNDER 1 COVER) 20A 125V RECEPTACLE. INSTALL @ 1'-6" A.F.F. IN FINISHED AREAS.
	GFCI DUPLEX 20A 125V RECEPTACLE. INSTALL @ 44" A.F.F.
	20 AMP 208 VOLT 1Ø RECEPTACLE. INSTALL @ 1'-6" A.F.F.
	3Ø 3W WELDING OUTLET SEE PLAN FOR AMPERAGE
	EMPTY 2" X 4" J-BOX W 3/4" CONDUIT STUBBED INTO CEILING SPACE OR BAR JOIST AREA. INSTALL @ 1'-6" A.F.F.
	TELEPHONE OUTLET W 3/4" CONDUIT STUBBED INTO CEILING SPACE. INSTALL @ 1'-6" A.F.F.
	TELEPHONE/DATA OUTLET W 3/4" CONDUIT STUB INTO CEILING SPACE OR BAR JOIST AREA. INSTALL @ 1'-6" A.F.F.
	SPST 20A 125 OR 277V WALL SWITCH. INSTALL @ 4'-0" A.F.F.
	DPST 20A 125 OR 277V WALL SWITCH. INSTALL @ 4'-0" A.F.F.
	20A 125 OR 277V 3 WAY WALL SWITCH. INSTALL @ 4'-0" A.F.F.
	20A 125 OR 277V 4WAY WALL SWITCH. INSTALL @ 4'-0" A.F.F.
	SPST 20A 125 WALL SWITCH WITH PILOT LIGHT. INSTALL @ 4'-0" A.F.F.
	480V, 3Ø SPEED CONTROLLER FOR HVLSF (BAF) FANS. INSTALL @ 4'-0" A.F.F.
	ENCLOSED 3ØA 3PST 600 VOLT SWITCH W/ LOCKOUT DEVICE
	REMOTE PUSH BUTTON CONTROL STATION WITH PILOT LIGHT.
	3Ø MANUAL MOTOR STARTER WITH PILOT LIGHT.
	3Ø MANUAL MOTOR STARTER WITH REMOTE CONTROL STATION.
	3Ø MANUAL MOTOR STARTER AND DISCONNECT SWITCH.
	SAFETY DISCONNECT SWITCH. NF (NON-FUSED)
	THERMOSTAT. INSTALL @ 5'-0" A.F.F. INSTALL ABOVE WALL SWITCH WHERE POSSIBLE.
	JUNCTION OR PULLBOX. SIZE AS REQUIRED.
	PHOTO ELECTRIC CELL LIGHTING CONTROL MOUNTED ON ROOF.
	DRY TYPE TRANSFORMER 1Ø OR 3Ø. SIZE AS NOTED ON THE PLANS.
	CEILING MOUNTED LOCATION FOR TELEVISION OUTLET WITH 3/4" EMPTY CONDUIT. VERIFY EXACT LOCATION.
	CARD READER.
	1/2" CONDUIT IN DOOR FRAME FROM CEILING TO VERTICAL MIDPOINT OF JAMB.
	1/2" CONDUIT IN DOOR FRAME FROM CEILING TO HORIZONTAL CENTER OF HEADER ON PUSH SIDE.
	DOOR SECUTIRY POWER SUPPLY BY OTHER.
	1" PANEL. 120/208V, 3Ø, 4W LOW VOLTAGE LIGHTING AND POWER DISTRIBUTION PANEL.
	4" PANEL 277/480V, 3Ø, 4W LIGHTING AND POWER DISTRIBUTION PANEL.
	RACEWAY WITH CONDUCTORS RUN CONCEALED IN FLOOR SLAB, IN WALLS OR IN EARTH.
	RACEWAY WITH CONDUCTORS RUN EXPOSED. RUN PARALLEL AND AT RIGHT ANGLES TO BUILDING STRUCTURE.
	RACEWAY FOR TELEPHONE CABLES INSTALLED BY TELEPHONE COMPANY.
	BARE GROUND CONDUCTOR UNDERGROUND. SIZE AS NOTED ON PLANS.
	RACEWAY WITH CONDUCTORS RUN CONCEALED ABOVE CEILING, IN WALLS OR IN FURRED SPACES.
	INSULATED GREEN GROUND CONDUCTOR. SAME SIZE AS PHASE WIRE UNLESS NOTED.
	3/4"Ø x 10'-0" GROUND ROD WITH #3Ø JUMPER
	A.F.F. ABOVE FINISHED FLOOR
	A.F.G. ABOVE FINISHED GRADE
	W.P. WEATHER PROOF
	E.F. EXHAUST FAN
	F.L.A. FULL LOAD AMPS
	H.A.C. HEATING AND AIR CONDITIONING UNIT
	R.T.U. ROOF TOP HEATING AND AIR CONDITIONING UNIT
	C.U. CONDENSING UNIT
	S.F. SUPPLY FAN
	F.A.C.P. FIRE ALARM CONTROL PANEL
	U.H. UNIT HEATER (GAS FIRED UNLESS NOTED)
	E.U.H. ELECTRIC UNIT HEATER
	W.H. WATER HEATER
	G.F.I. GROUND FAULT INTERRUPT
	E.W.C. ELECTRIC WATER COOLER
	F.C.P.S. FIRE ALARM SYSTEM HORN/STROBE POWER SUPPLY

NOTES: THIS IS A STANDARD SYMBOLS SCHEDULE. ALL SYMBOLS SHOWN ON THIS SCHEDULE MAY NOT APPEAR IN THIS SET OF DRAWINGS.

[illegible]

TLM ASSOCIATES, INC.
ARCHITECTS + ENGINEERS

117 East Lafayette Street Jackson, Tennessee
731.988.9840 (phone) - 731.988.9959 (fax)
www.tlmae.com

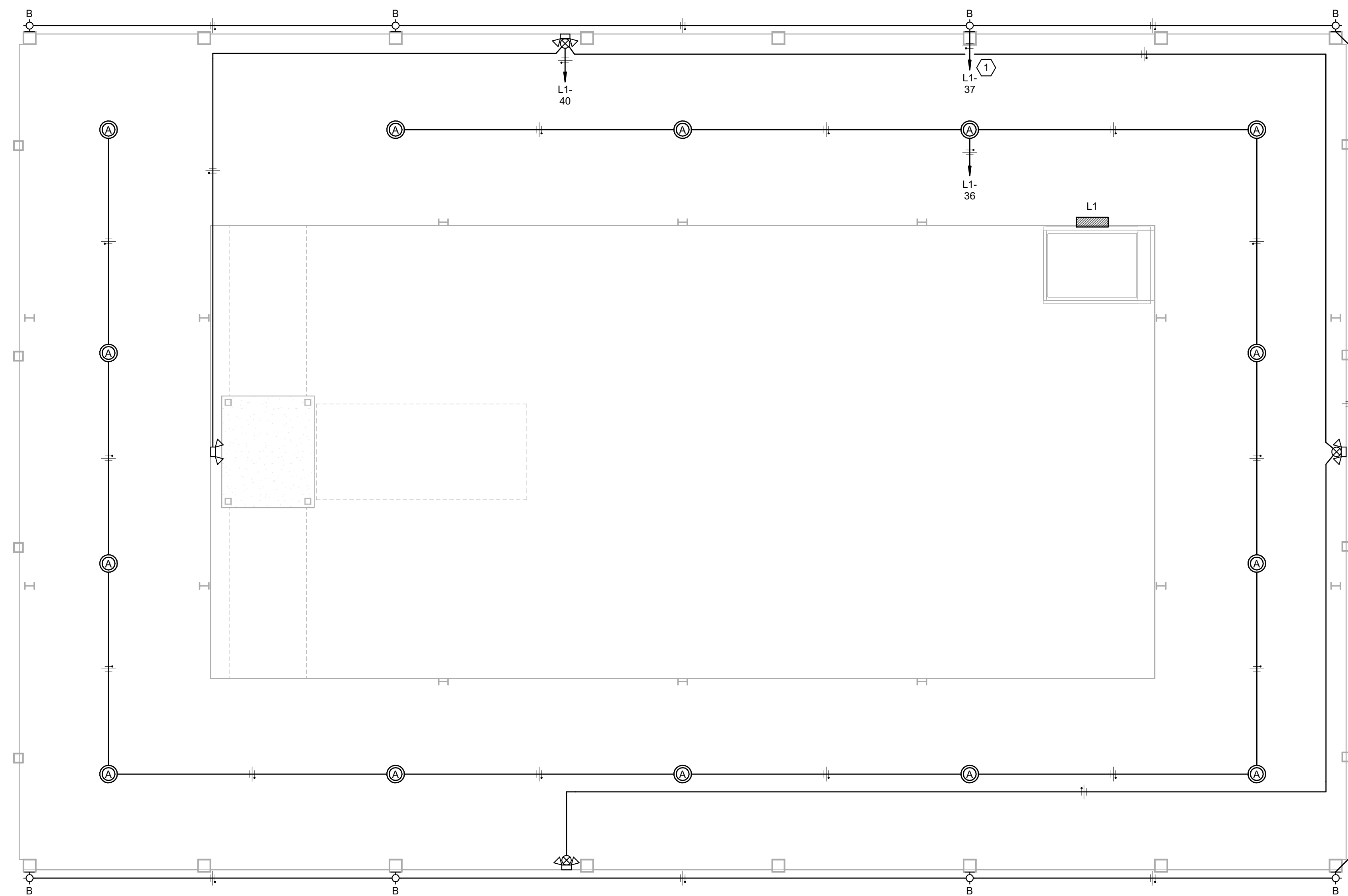
UNDER MEZZANINE LIGHTING PLAN

PHASE II
LAWRENCEBURG SQUARE PAVILION
SOUTH MILITARY AVENUE
LAWRENCEBURG, TENNESSEE

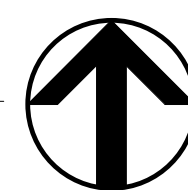
MARCH 25, 2024

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E2.1



UNDER MEZZANINE LIGHTING PLAN



LIGHTING NOTES:

- #1- MINIMUM CONDUCTOR SIZE FOR HOME RUNS SHALL BE #10 AWG IN 3/4" UNLESS NOTED OTHERWISE.
- #2- SEE SHEET E-0.1 FOR LUMINAIRE SCHEDULE AND LIGHTING DETAILS.
- #3- CONNECT ALL EMERGENCY EGRESS FIXTURES AND EXIT SIGNS AHEAD OF ANY LIGHTING CONTROL DEVICES.
- #4- LIGHTING TO BE CONTROLLED VIA CIRCUIT BREAKER.

LIGHTING NOTES BY SYMBOL:

- 1 ROUTE EXTERIOR LIGHTING THROUGH DIGITAL TIME CLOCK (TORK #E101PB OR EQUAL).

[illegible]

CONSULTANT



MEZZANINE LIGHTING PLAN

PHASE II
LAWRENCEBURG SQUARE PAVILION
SOUTH MILITARY AVENUE
LAWRENCEBURG, TENNESSEE

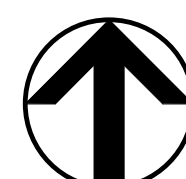
MARCH 25, 2024

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E2.2



1/4" = 1'-0"



LIGHTING NOTES:

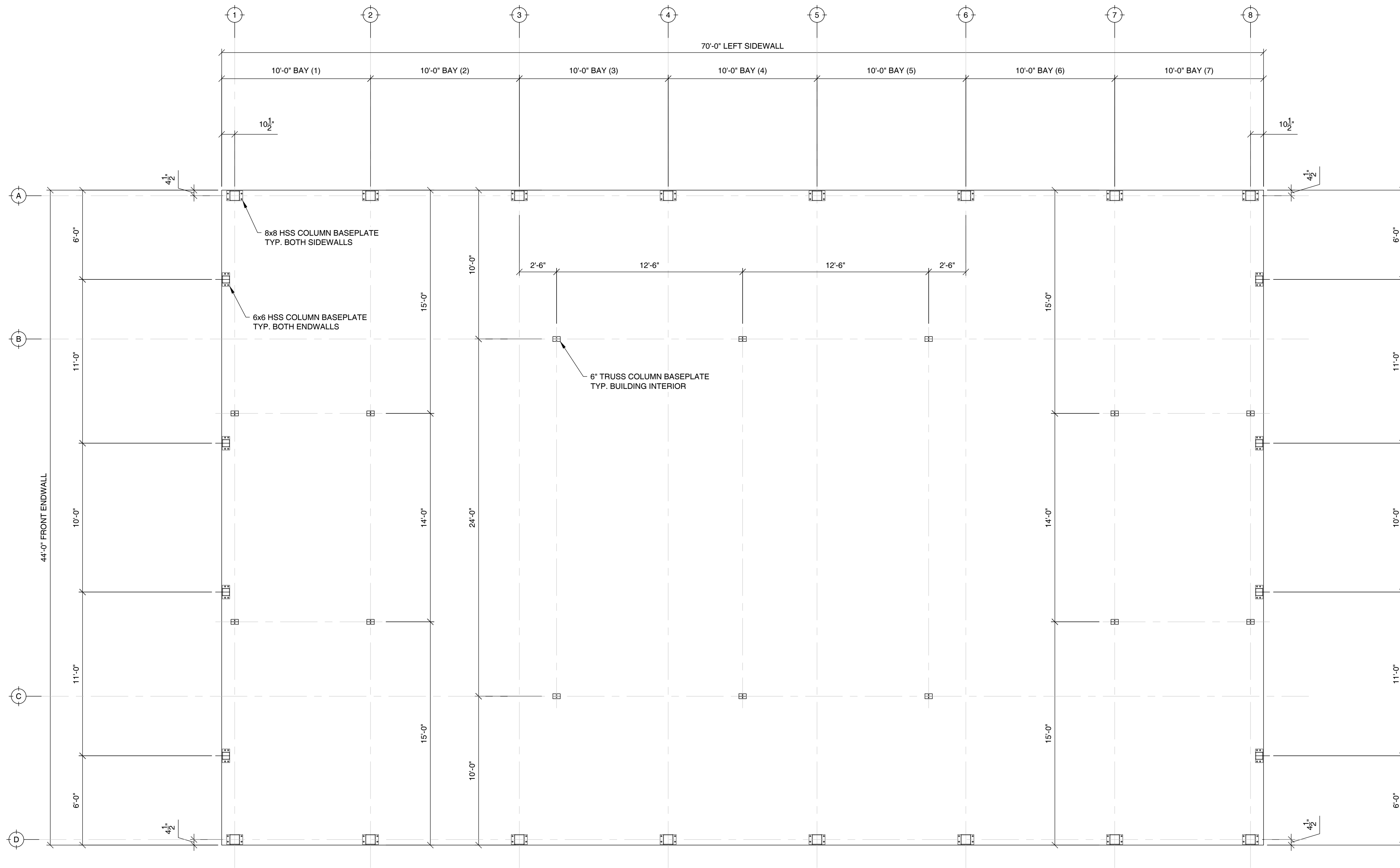
- #1- MINIMUM CONDUCTOR SIZE FOR HOME RUNS SHALL BE #10 AWG IN 3/4" UNLESS NOTED OTHERWISE.
- #2- SEE SHEET E-0.1 FOR LUMINAIRE SCHEDULE AND LIGHTING DETAILS.
- #3- CONNECT ALL EMERGENCY EGRESS FIXTURES AND EXIT SIGNS AHEAD OF ANY LIGHTING CONTROL DEVICES.
- #4- LIGHTING TO BE CONTROLLED VIA CIRCUIT BREAKER.



- ## POWER NOTES BY SYMBOL:
- 1 PROVIDE 100V 240V BRANCH CIRCUIT TO WHEELCHAIR LIFT. COORDINATE EXACT REQUIREMENTS WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - 2 PROVIDE A WEATHER RESISTANT (WR) GFCI RECEPTACLE WITH A WEATHER PROOF, "EXTRA DUTY" IN-USE TYPE COVER ALL QUADS SHOWN THIS SHEET.
 - 3 PROVIDE A WEATHER RESISTANT (WR) RECEPTACLE WITH A WEATHER PROOF, "EXTRA DUTY" IN-USE TYPE COVER ALL 220V RECEPTACLES SHOWN THIS SHEET. VERIFY 240V RECEPTACLE CONFIGURATION WITH THE OWNER.
 - 4 PROVIDE UNISTRUT FRAME FOR PANELBOARD, HVLS CONTROLLER AND EXTERIOR LIGHTING TIMECLOCK.



- 1 PROVIDE A 250V/30A FUSE DISCONNECT SWITCH AT HVLS CONTROLLER OUTSIDE RADIUS OF FAN. PROVIDE A FRR-N-20A FUSE. COORDINATE LOCATION WITH CEILING AND STRUCTURE. INSTALL VFD CABLE PROVIDED WITH HVLS FAN CONTROLLER.
- 2 PROVIDE A WEATHER RESISTANT (WR) GFCI RECEPTACLE WITH A WEATHER PROOF, "EXTRA DUTY" IN-USE TYPE COVER ALL QUADS SHOWN THIS SHEET.
- 3 PROVIDE A WEATHER RESISTANT (WR) RECEPTACLE WITH A WEATHER PROOF, "EXTRA DUTY" IN-USE TYPE COVER ALL 220V RECEPTACLES SHOWN THIS SHEET. VERIFY 20A RECEPTACLE CONFIGURATION WITH THE OWNER.



1 ANCHOR BOLT SETTING PLAN
SCALE: 1/4" = 1'-0"

NOTES, ANCHOR BOLT SETTING PLAN:

- REFER TO FOUNDATION DRAWINGS, F-SERIES, FOR FOUNDATION DESIGN NOTES AND REQUIREMENTS

Lawrence County Government
35.2394 N, 87.3356 W
Lawrenceburg, Tennessee 38464
WWSB Job#84-56-E



DRAWN	MLH
CHECKED	DML
DATE	02/14/2024
JOB NUMBER	24.0001

S H E E T
E2.0

Worldwide Steel Buildings
PO Box 588
Peculiar, MO 64078
816.779.6441

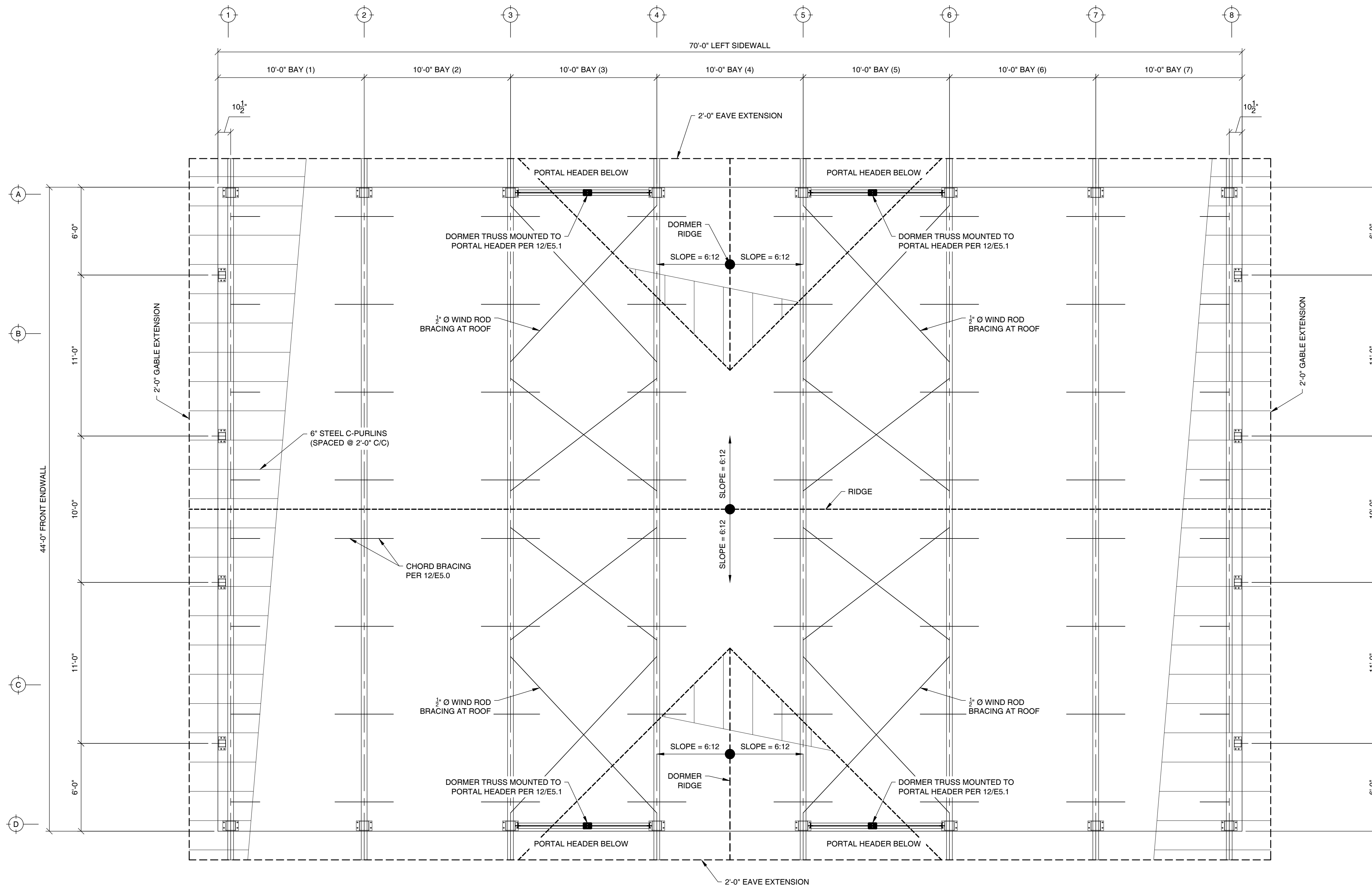




1 SECOND FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

NOTES, FLOOR FRAMING PLAN:

- FLOOR DECKING TO BE 1 1/2"x22 Ga STEEL DECK PAN AND 3/8" CONCRETE FLOOR PER 13/E5.1
- FLOOR DECKING IS VITAL TO THE STABILITY OF THE STEEL BUILDING. BUILDING IS NOT STABLE UNTIL ALL DECKING IS INSTALLED.

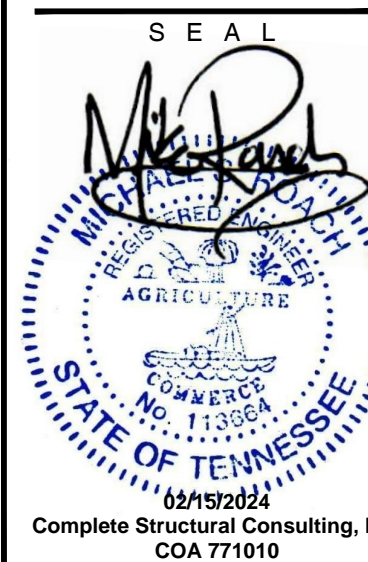


1 ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

NOTES, ROOF FRAMING PLAN:

- BOTTOM CHORD BRACING (MARKED WITH 'X' ON PLANS) IS VITAL TO THE STABILITY OF THE STEEL FRAMES AND SHALL NOT BE REMOVED, RELOCATED, OR MODIFIED IN ANY WAY. ERECTOR SHALL CONFIRM THAT BRACING IS INSTALLED PER THESE DRAWINGS BEFORE TURNING THE BUILDING OVER TO THE OWNER. BRACING TO BE PRESENT ON EVERY TRUSS
- CONNECTIONS ARE VITAL TO THE STABILITY OF THE STEEL FRAMES AND SHALL BE INSTALLED PER TYPICAL CONNECTION DETAILS ON E5.0 & E5.1. BUILDING IS NOT STABLE UNTIL ALL BOLTS ARE TIGHTENED TO REQUIRED TIGHTNESS PER GENERAL NOTES ON E1.0
- ROOF DECKING AND PURLINS ARE VITAL TO THE STABILITY OF THE STEEL BUILDING. BUILDING IS NOT STABLE UNTIL ALL DECKING IS INSTALLED. SEE ATTACHMENT PATTERN ON E5.0

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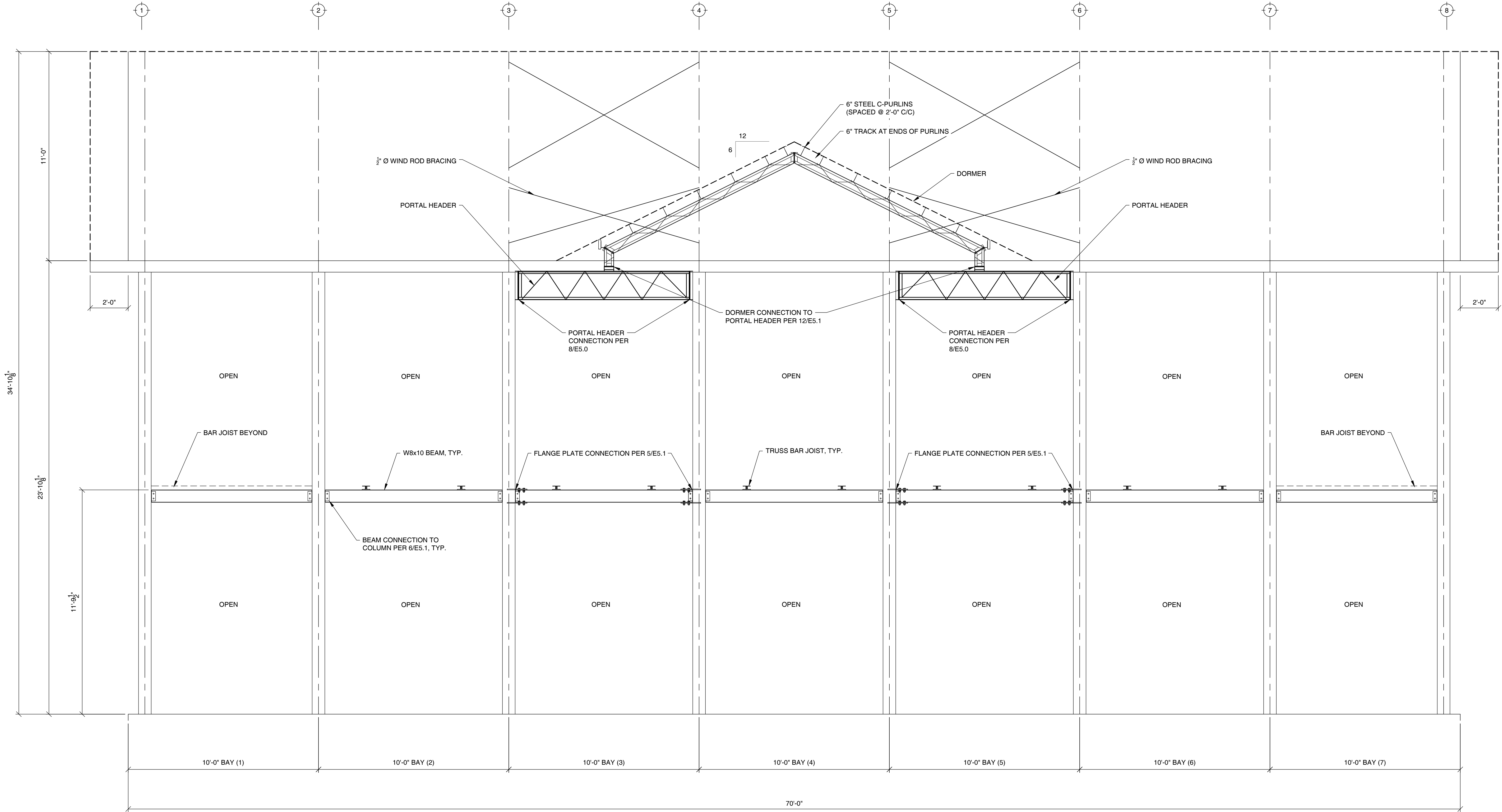


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S H E E T
E2.2

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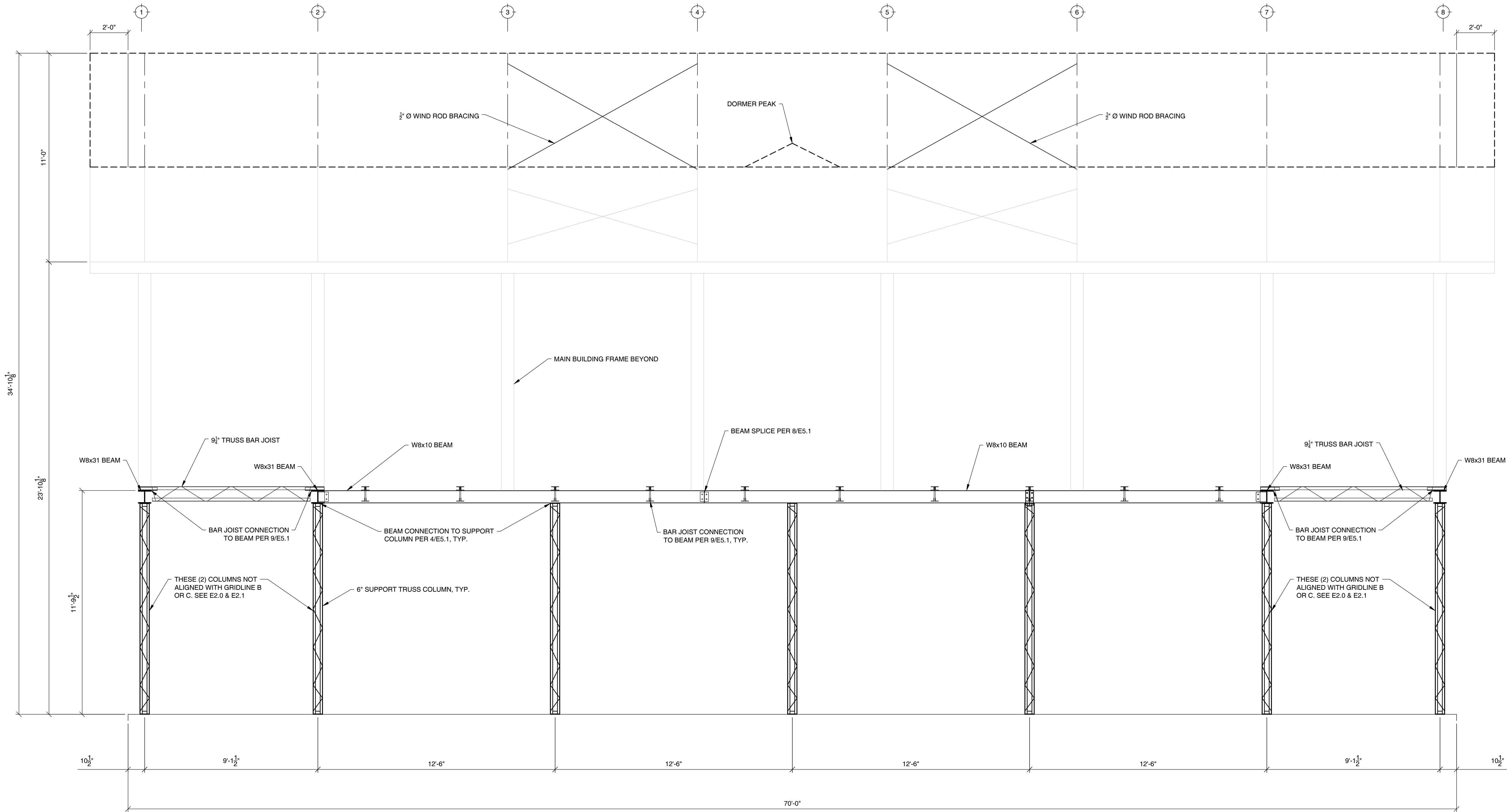




1 ELEVATION AT GRIDLINE D (RIGHT SIDEWALL)
SCALE: 3/8" = 1'-0"

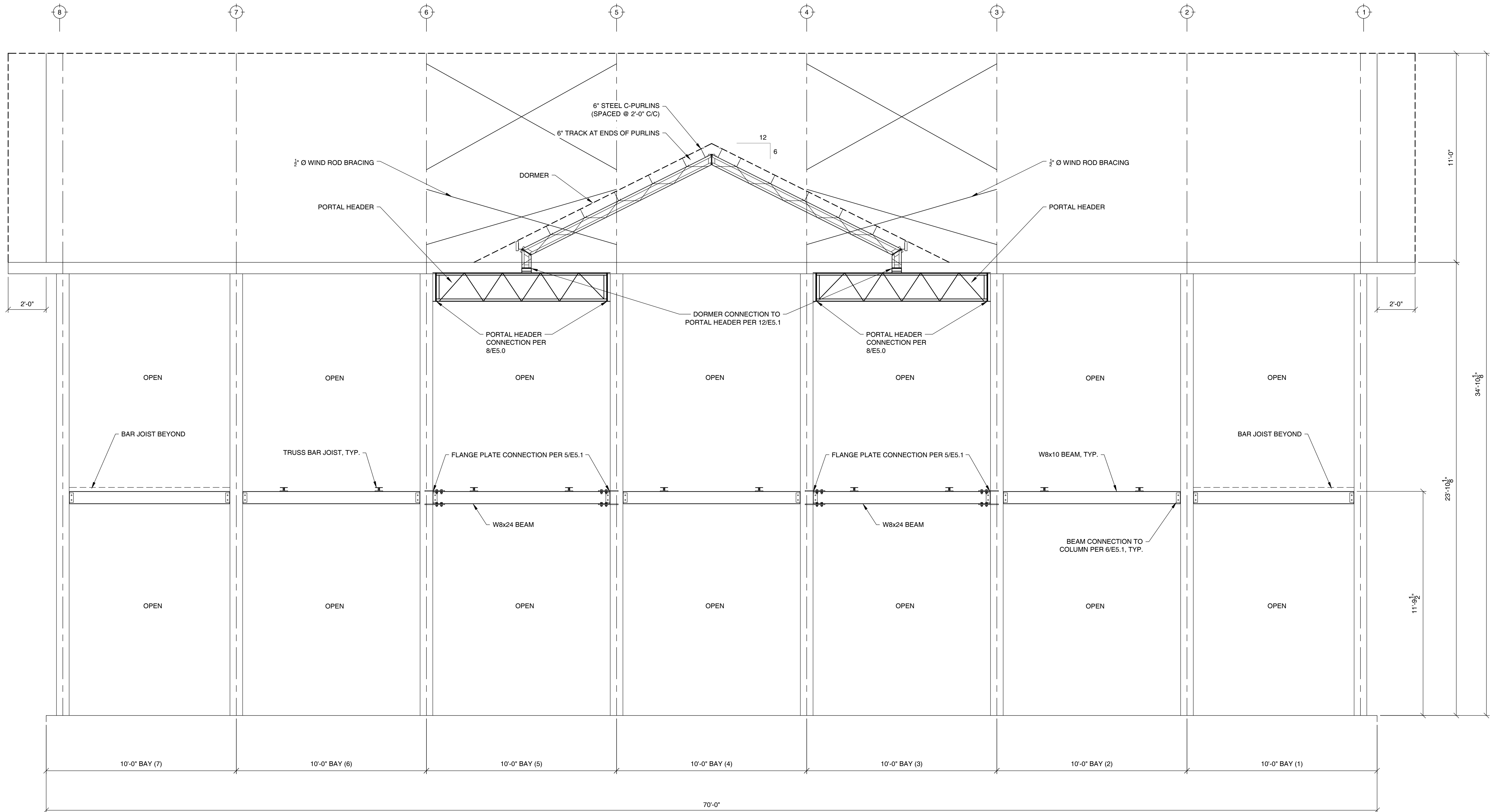
NOTES, WALL ELEVATIONS:

1. CONNECTIONS ARE VITAL TO THE STABILITY OF THE STEEL FRAMES AND SHALL BE INSTALLED PER TYPICAL CONNECTION DETAILS ON E5.0 & E5.1. BUILDING IS NOT STABLE UNTIL ALL BOLTS ARE TIGHTENED TO REQUIRED TIGHTNESS PER GENERAL NOTES ON E1.0



1 ELEVATION AT GRIDLINES B & C
SCALE: 3/8" = 1'-0"

- NOTES, WALL ELEVATIONS:
- CONNECTIONS ARE VITAL TO THE STABILITY OF THE STEEL FRAMES AND SHALL BE INSTALLED PER TYPICAL CONNECTION DETAILS ON E5.0 & E5.1. BUILDING IS NOT STABLE UNTIL ALL BOLTS ARE TIGHTENED TO REQUIRED TIGHTNESS PER GENERAL NOTES ON E1.0



1 ELEVATION AT GRIDLINE A (LEFT SIDEWALL)
SCALE: 3/8" = 1'-0"

NOTES, WALL ELEVATIONS:

1. CONNECTIONS ARE VITAL TO THE STABILITY OF THE STEEL FRAMES AND SHALL BE INSTALLED PER TYPICAL CONNECTION DETAILS ON E5.0 & E5.1. BUILDING IS NOT STABLE UNTIL ALL BOLTS ARE TIGHTENED TO REQUIRED TIGHTNESS PER GENERAL NOTES ON E1.0

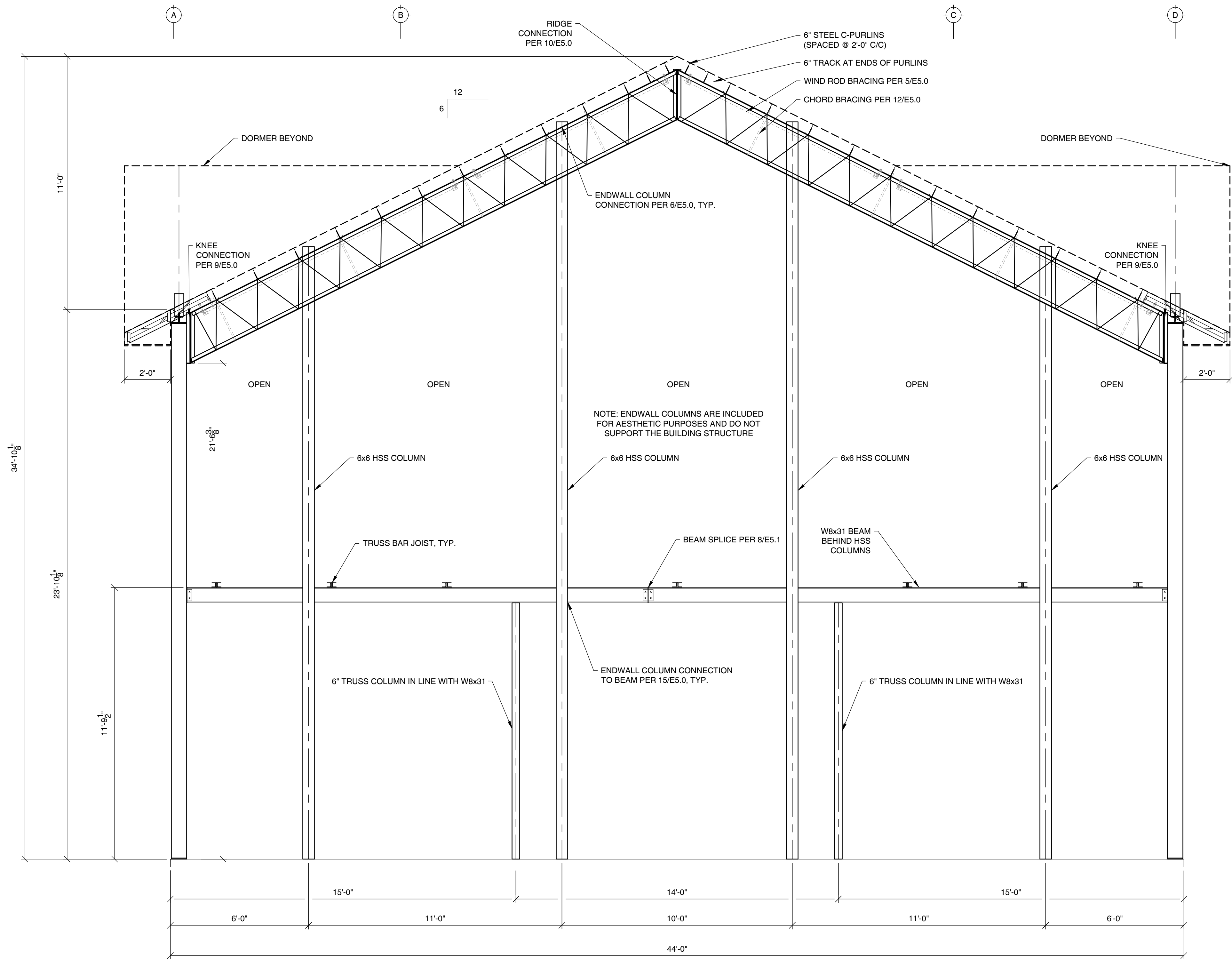


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S H E E T

E3.2



1 ELEVATION AT GRIDLINE 1 (FRONT ENDWALL)
SCALE: 3/8" = 1'-0"

NOTES, WALL ELEVATIONS:

1. CONNECTIONS ARE VITAL TO THE STABILITY OF THE STEEL FRAMES AND SHALL BE INSTALLED PER TYPICAL CONNECTION DETAILS ON E5.0 & E5.1. BUILDING IS NOT STABLE UNTIL ALL BOLTS ARE TIGHTENED TO REQUIRED TIGHTNESS PER GENERAL NOTES ON E1.0

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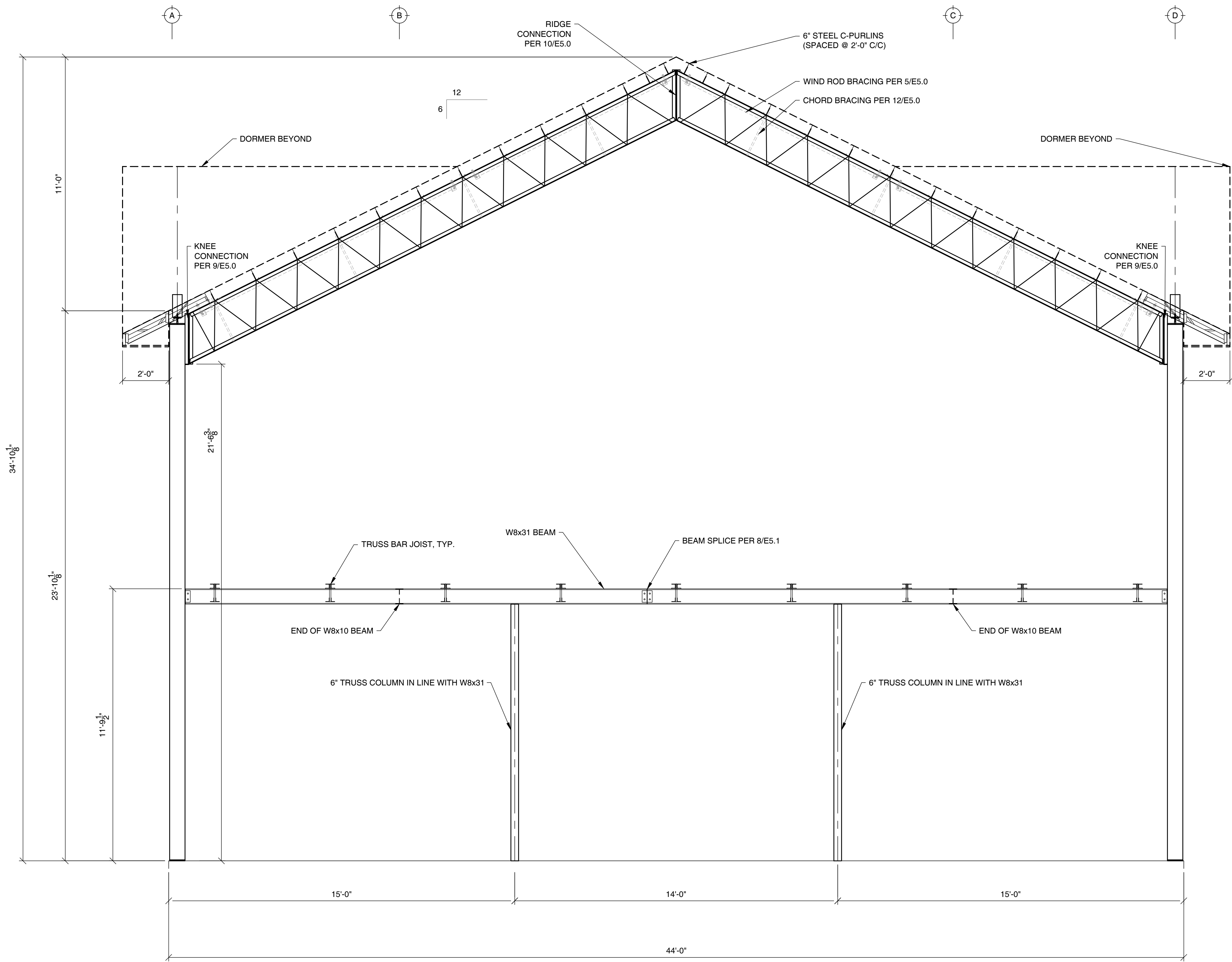
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S H E E T

E4.0

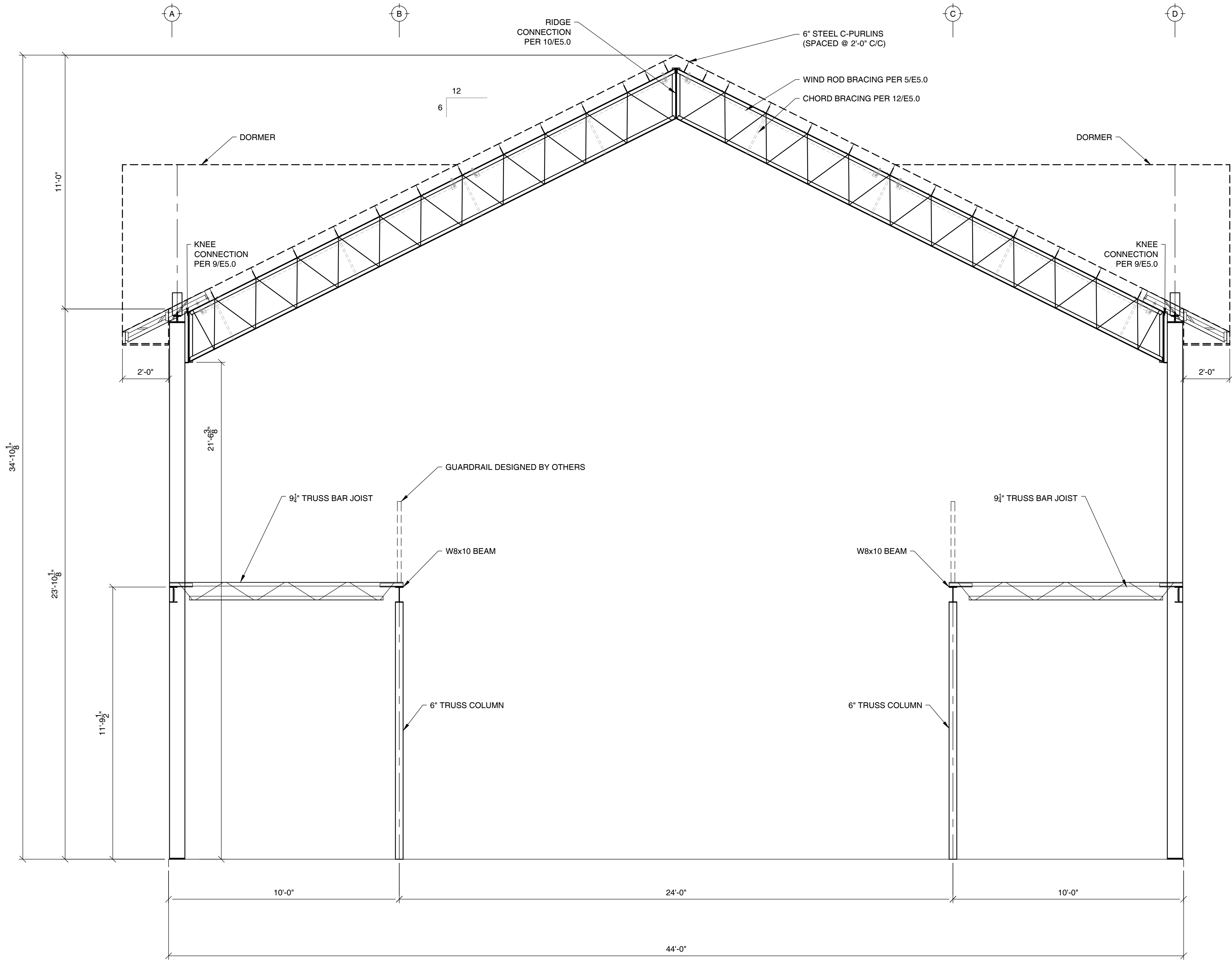




1 ELEVATION AT GRIDLINES 2, 7
SCALE: 3/8" = 1'-0"

NOTES, WALL ELEVATIONS:

1. CONNECTIONS ARE VITAL TO THE STABILITY OF THE STEEL FRAMES AND SHALL BE INSTALLED PER TYPICAL CONNECTION DETAILS ON E5.0 & E5.1. BUILDING IS NOT STABLE UNTIL ALL BOLTS ARE TIGHTENED TO REQUIRED TIGHTNESS PER GENERAL NOTES ON E1.0



1 ELEVATION AT GRIDLINES 3-6
SCALE: 3/8" = 1'-0"

NOTES, WALL ELEVATIONS:

- CONNECTIONS ARE VITAL TO THE STABILITY OF THE STEEL FRAMES AND SHALL BE INSTALLED PER TYPICAL CONNECTION DETAILS ON E5.0 & E5.1. BUILDING IS NOT STABLE UNTIL ALL BOLTS ARE TIGHTENED TO REQUIRED TIGHTNESS PER GENERAL NOTES ON E1.0

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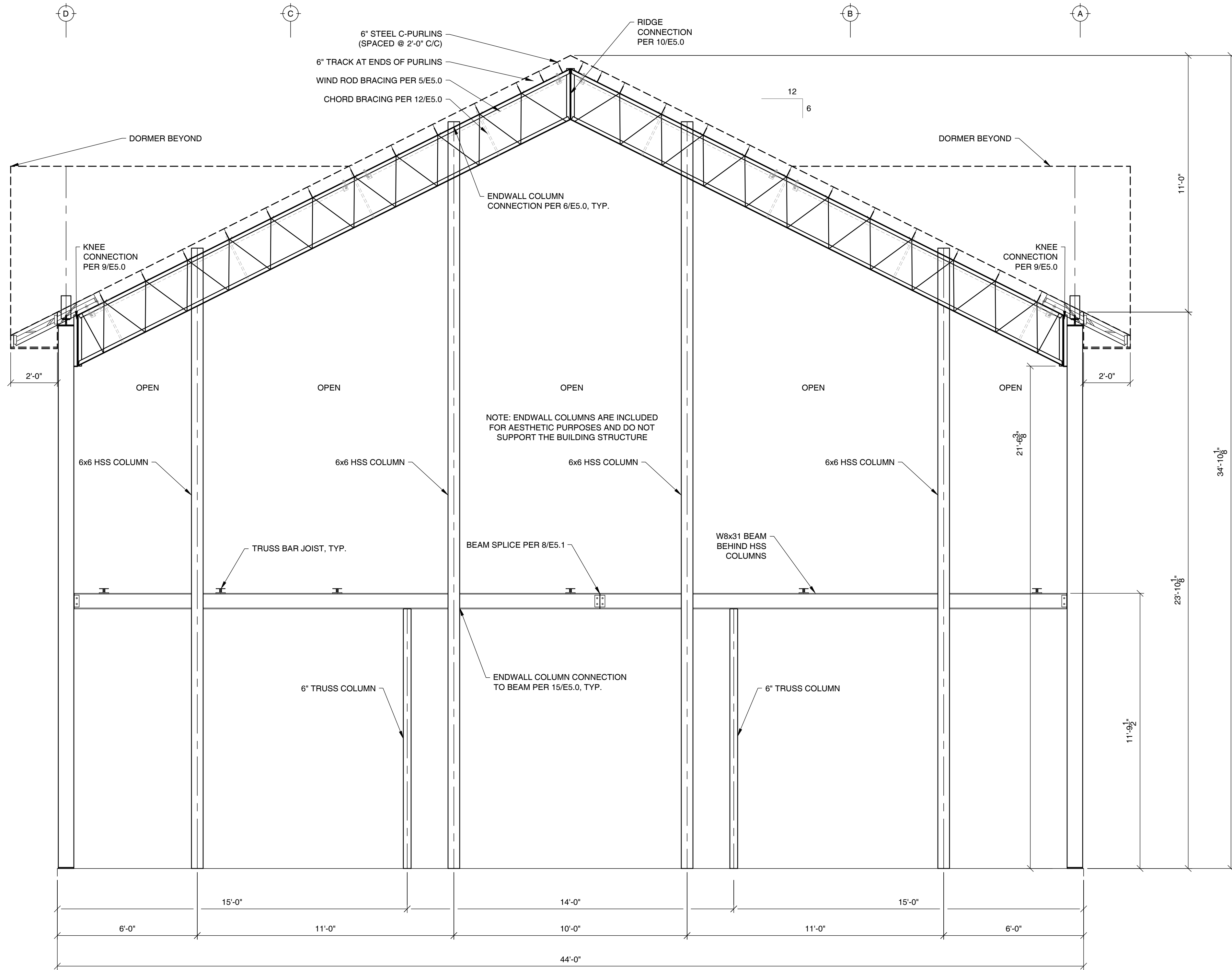
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E4.2





1 ELEVATION AT GRIDLINE 8 (REAR ENDWALL)
SCALE: 3/8" = 1'-0"

NOTES, WALL ELEVATIONS:

- CONNECTIONS ARE VITAL TO THE STABILITY OF THE STEEL FRAMES AND SHALL BE INSTALLED PER TYPICAL CONNECTION DETAILS ON E5.0 & E5.1. BUILDING IS NOT STABLE UNTIL ALL BOLTS ARE TIGHTENED TO REQUIRED TIGHTNESS PER GENERAL NOTES ON E1.0



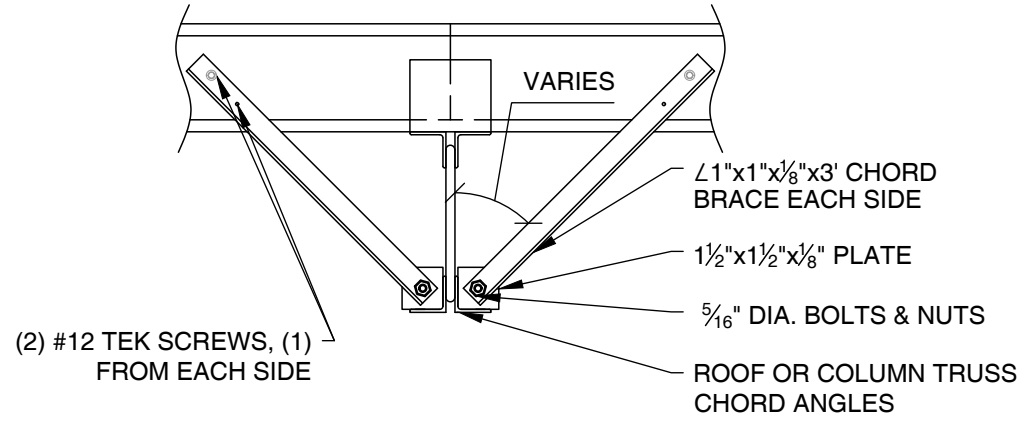
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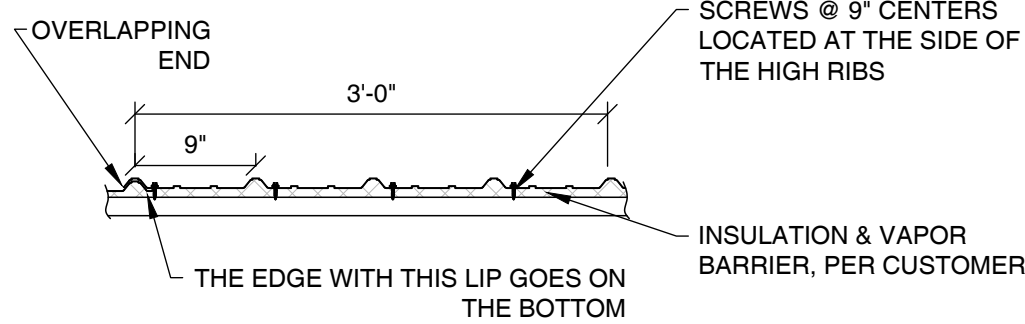
E4.3

NOTES
1. BRACE AT LOCATIONS SHOWN ON TRUSS SECTIONS
2. WHERE BRACES ARE CROWDED BY DOOR, FIELD CUT
ANGLE TO PLACE THE END AS CLOSE TO THE DOOR JAMB
AS POSSIBLE



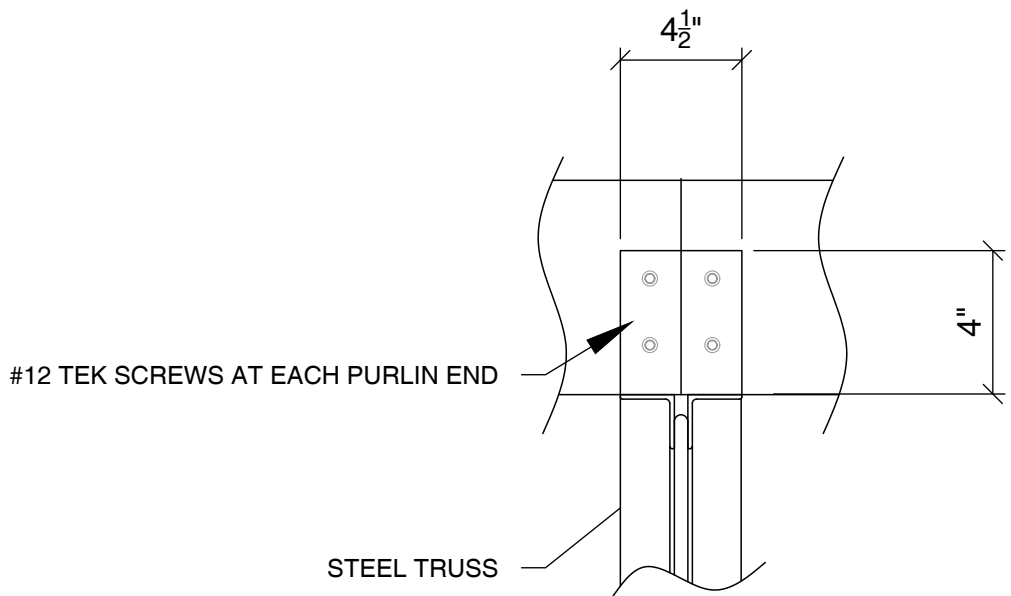
12 CHORD BRACE DETAIL
SCALE: NTS

EAVE SCREW PATTERN:
ADDITIONAL SCREWS ON THE OTHER SIDE OF
HIGH RIBS. USE ALSO AT END LAPS

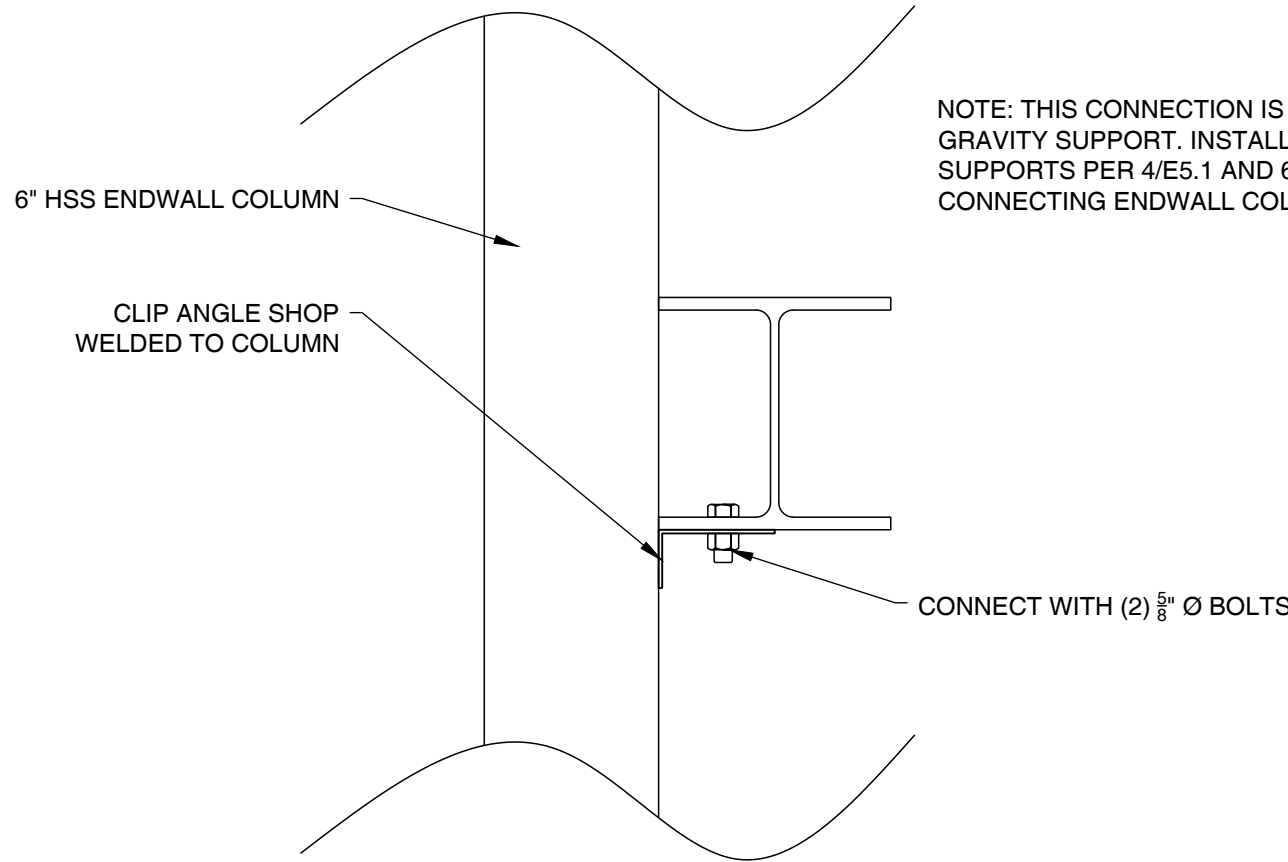


SHEET METAL FOR ROOF AND WALLS
ATTACH WITH #12 TEK SCREWS

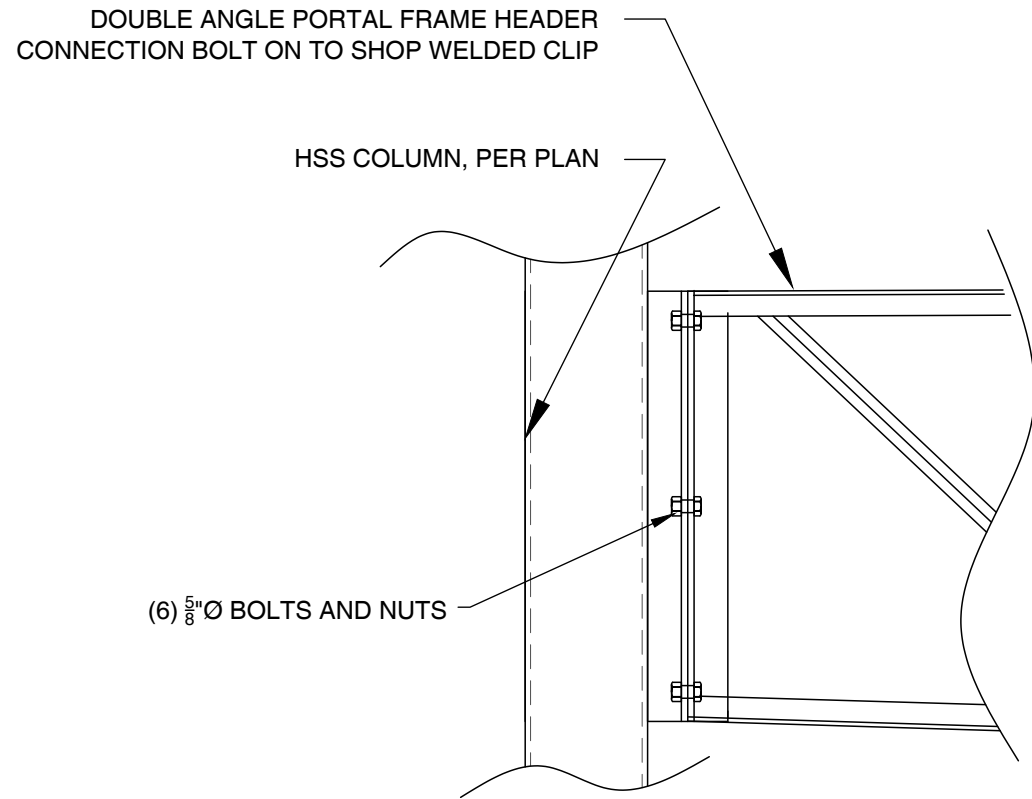
13 STANDARD SHEET METAL CONNECTION
SCALE: NTS



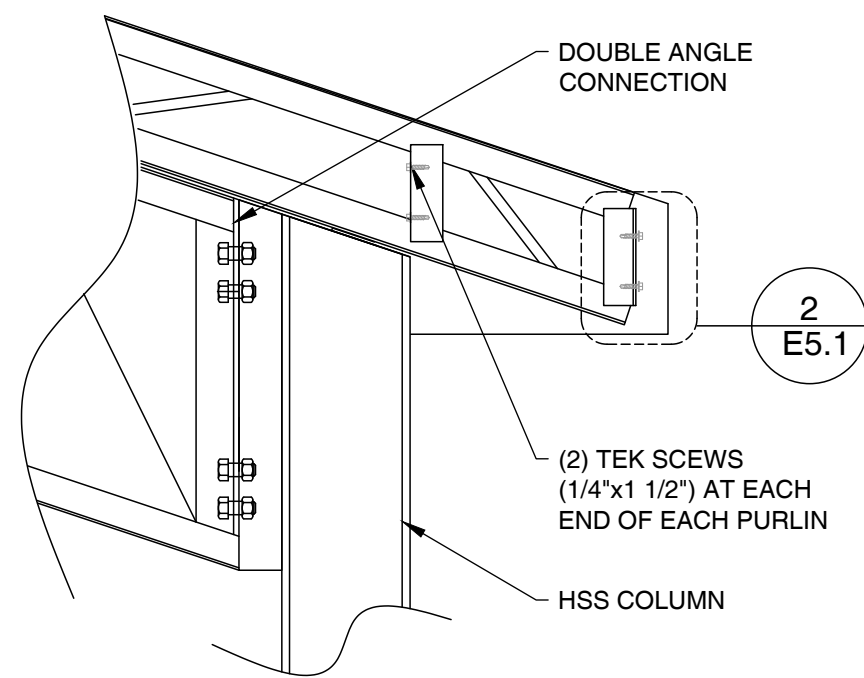
14 PURLIN CONNECTION
SCALE: NTS



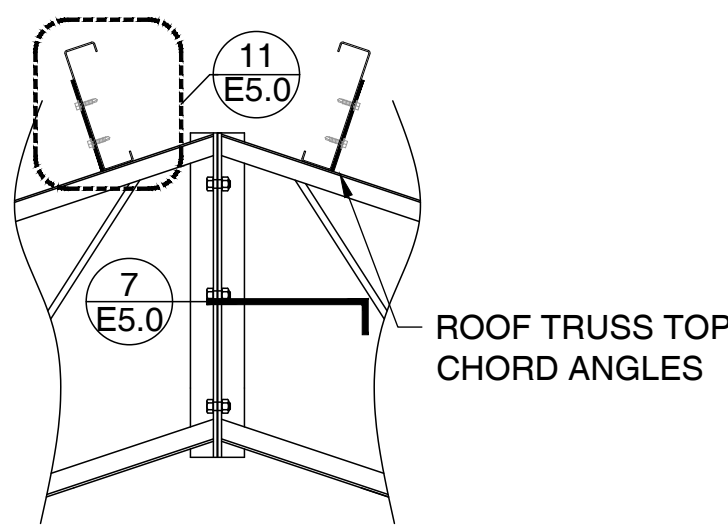
15 ENDWALL COLUMN CONNECTION TO BEAM
SCALE: NTS



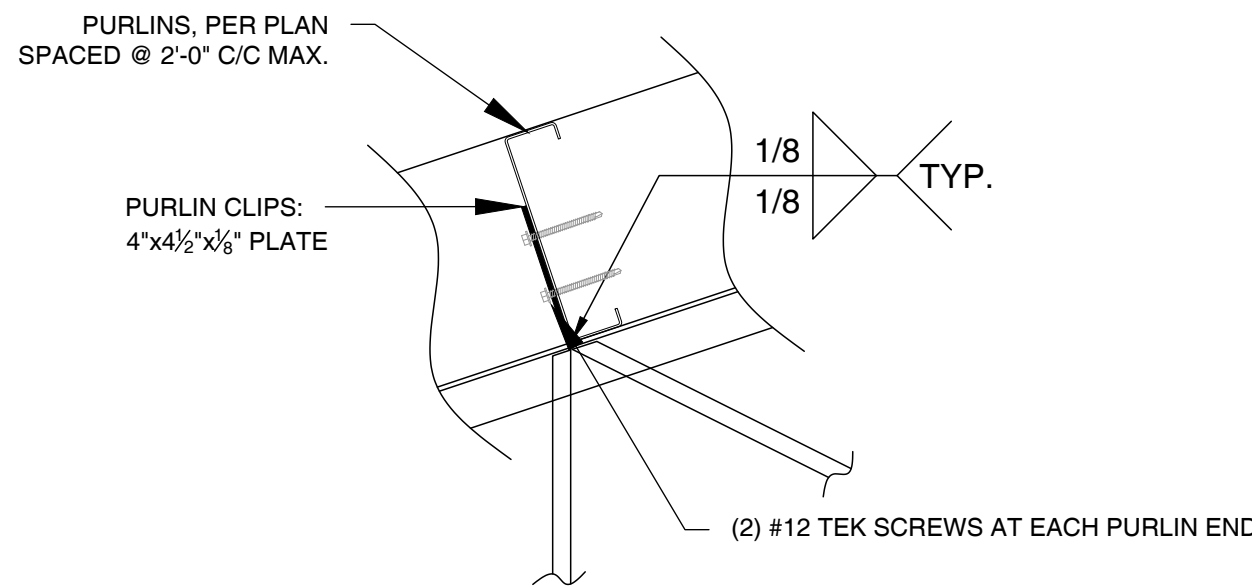
8 PORTAL HEADER CONNECTION
SCALE: N.T.S.



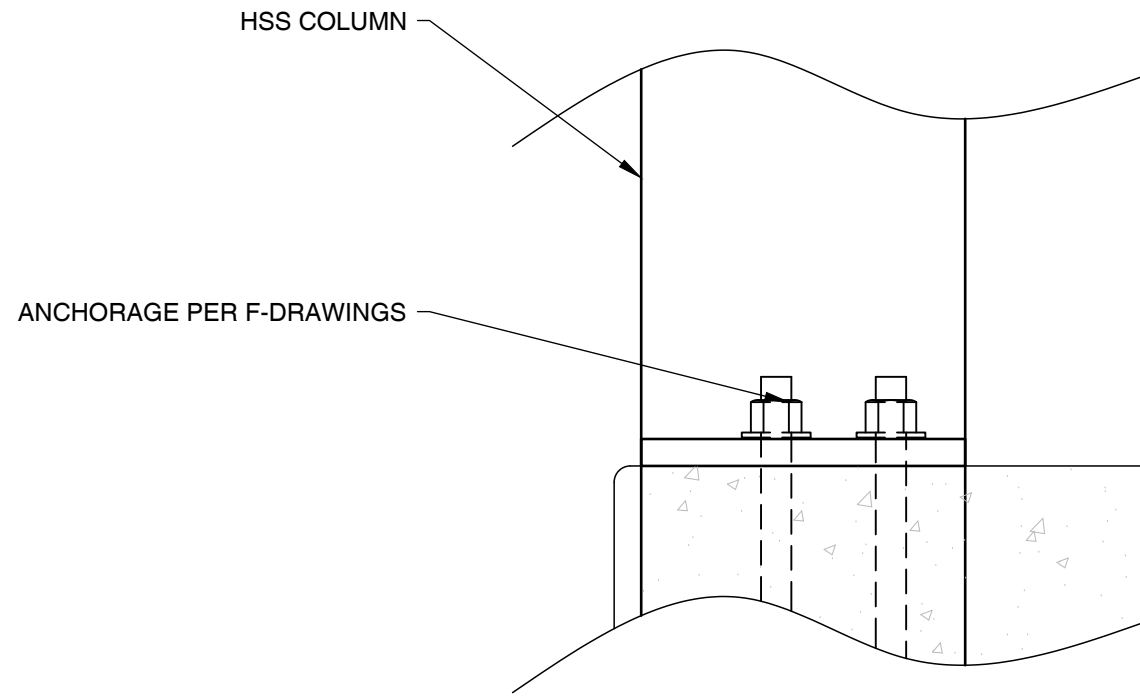
9 KNEE CONNECTION DETAIL
SCALE: NTS



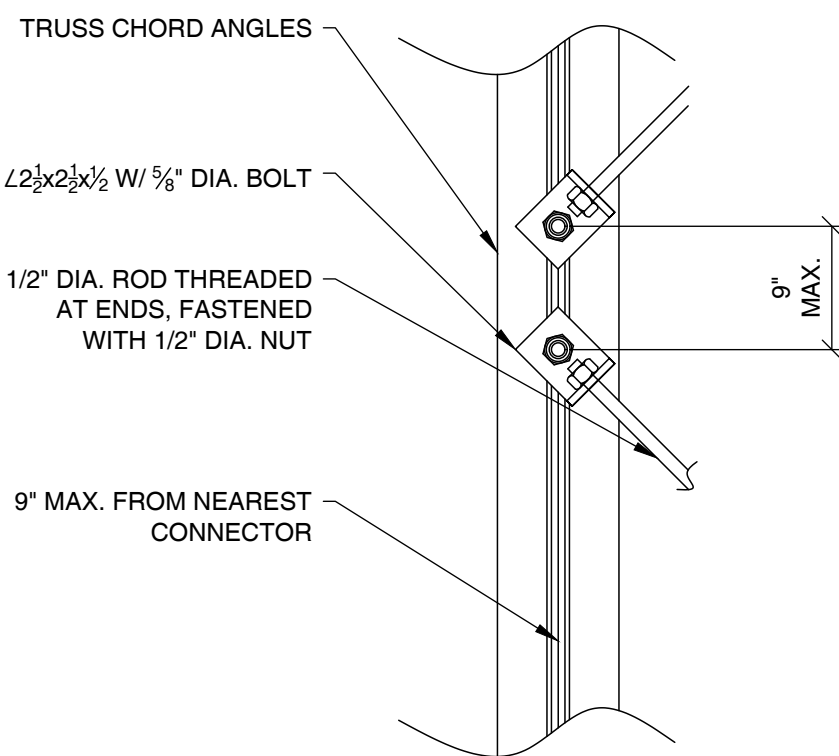
10 RIDGE CONNECTION DETAIL
SCALE: NTS



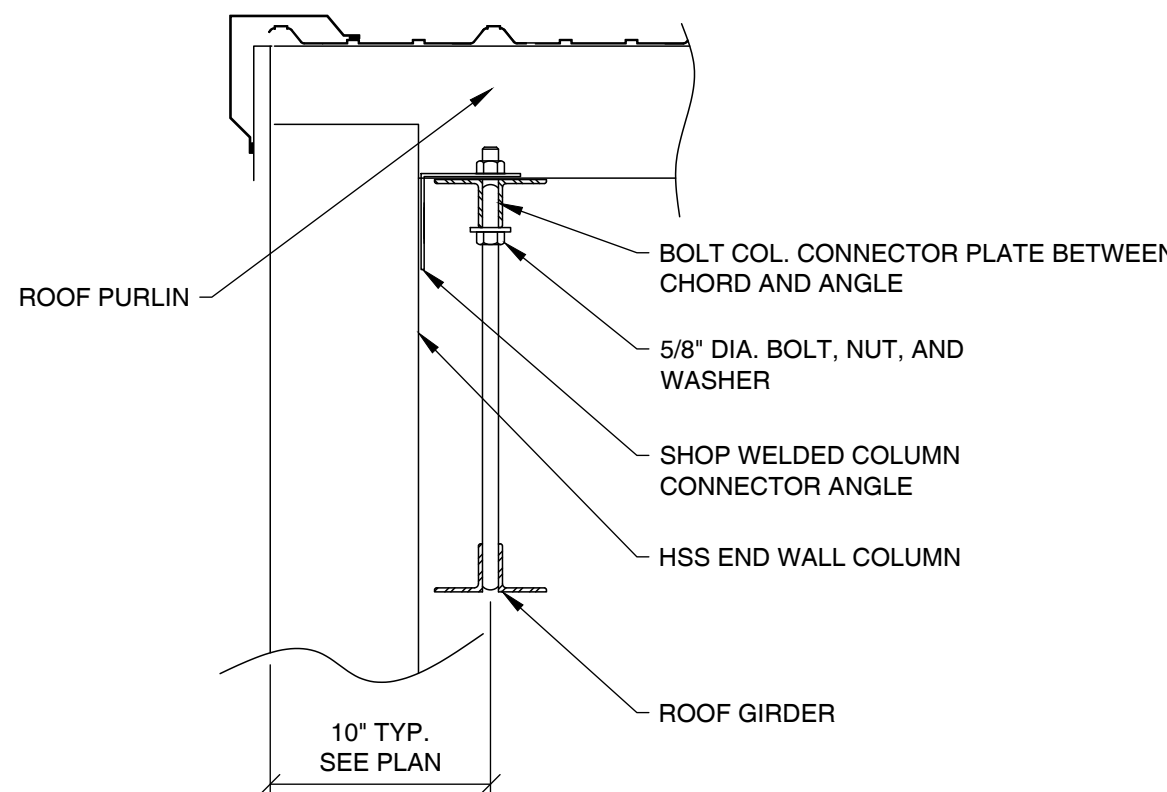
11 PURLIN CONNECTION
SCALE: NTS



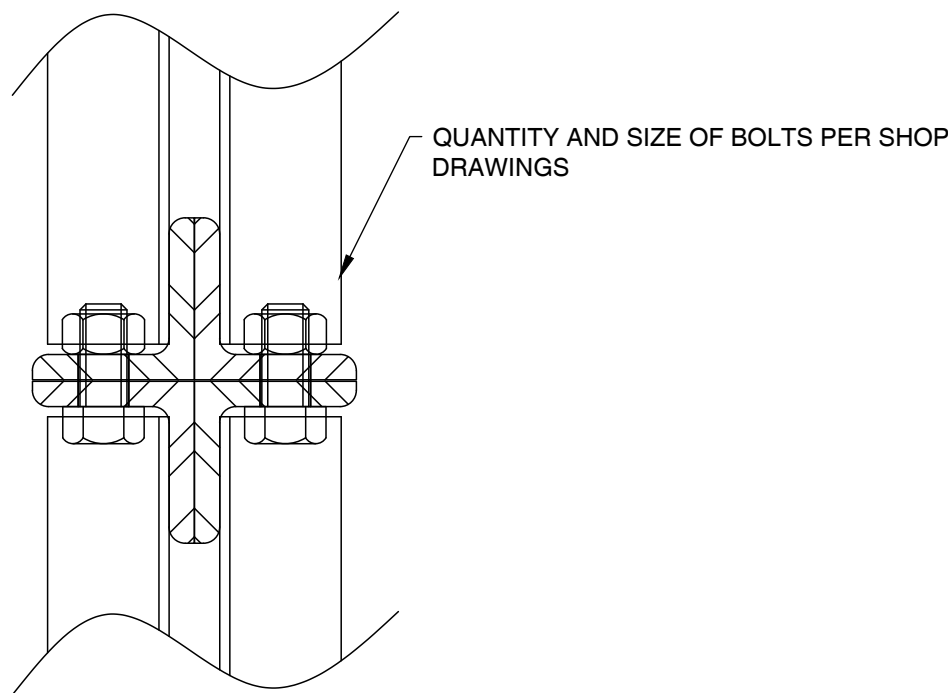
4 TUBE COLUMN SIDEWALL BASE PLATE DETAIL
N.T.S.



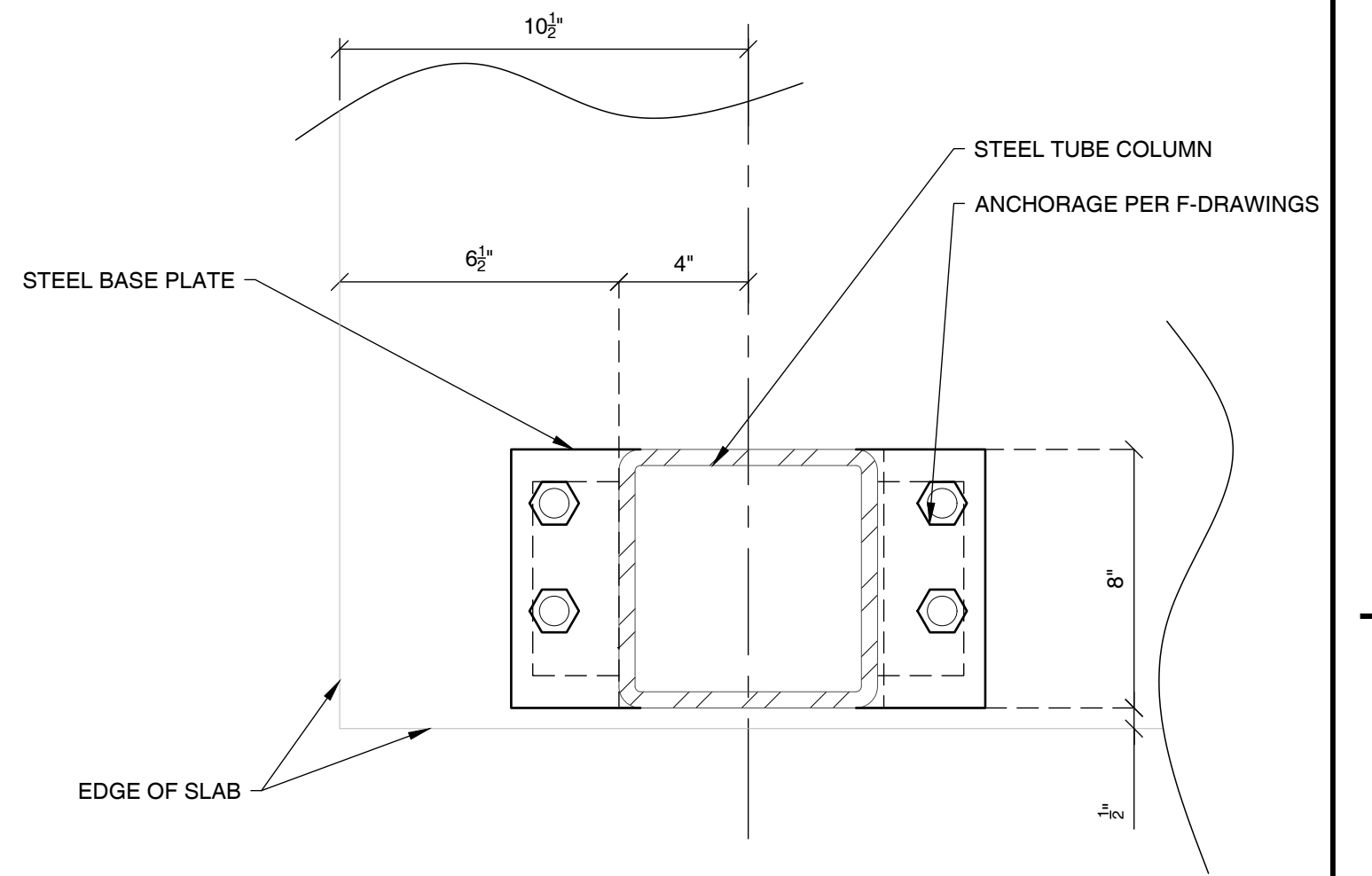
5 ROD BRACING CONNECTION
SCALE: NTS



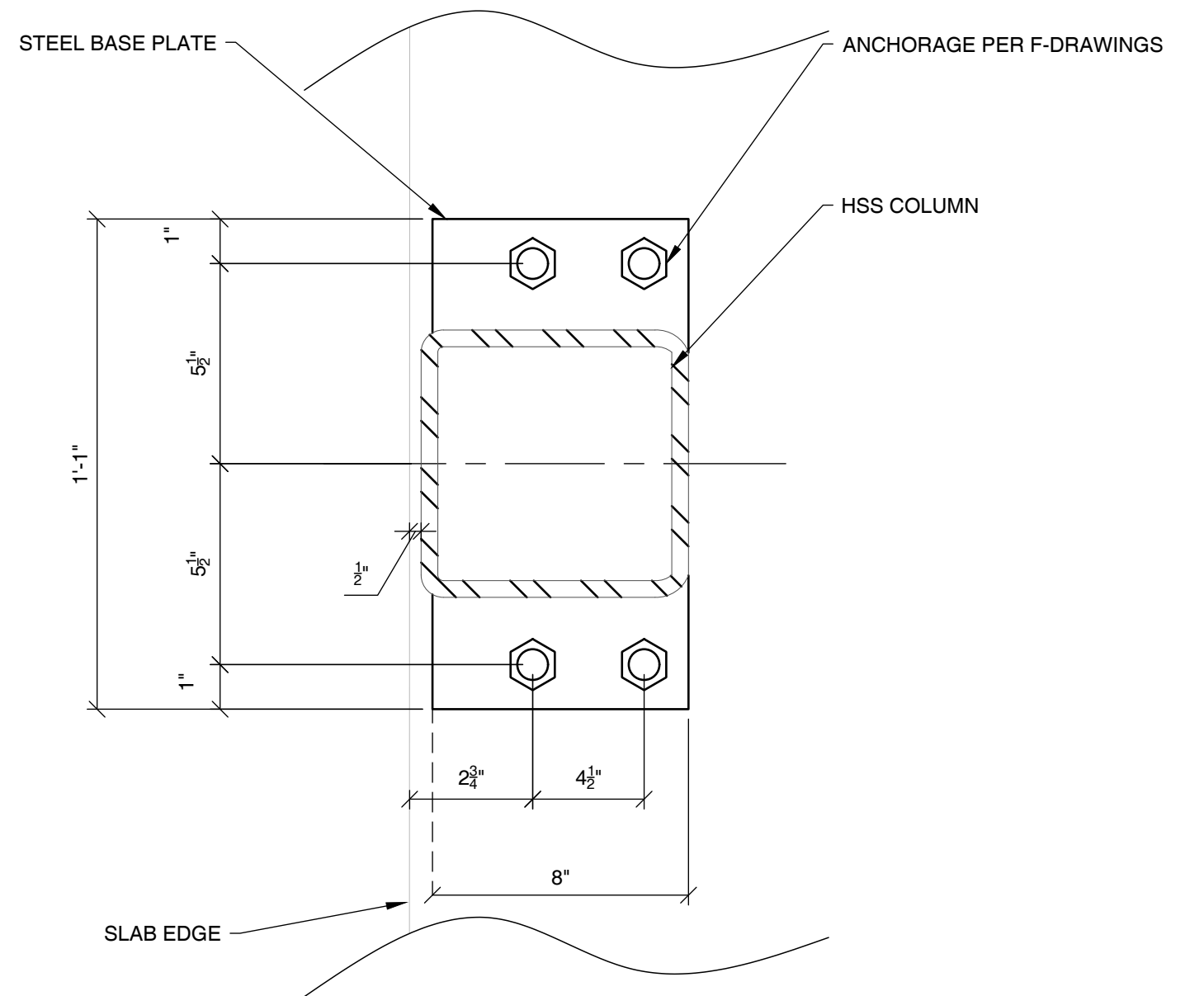
6 ENDWALL COLUMN CONNECTION
SCALE: N.T.S.



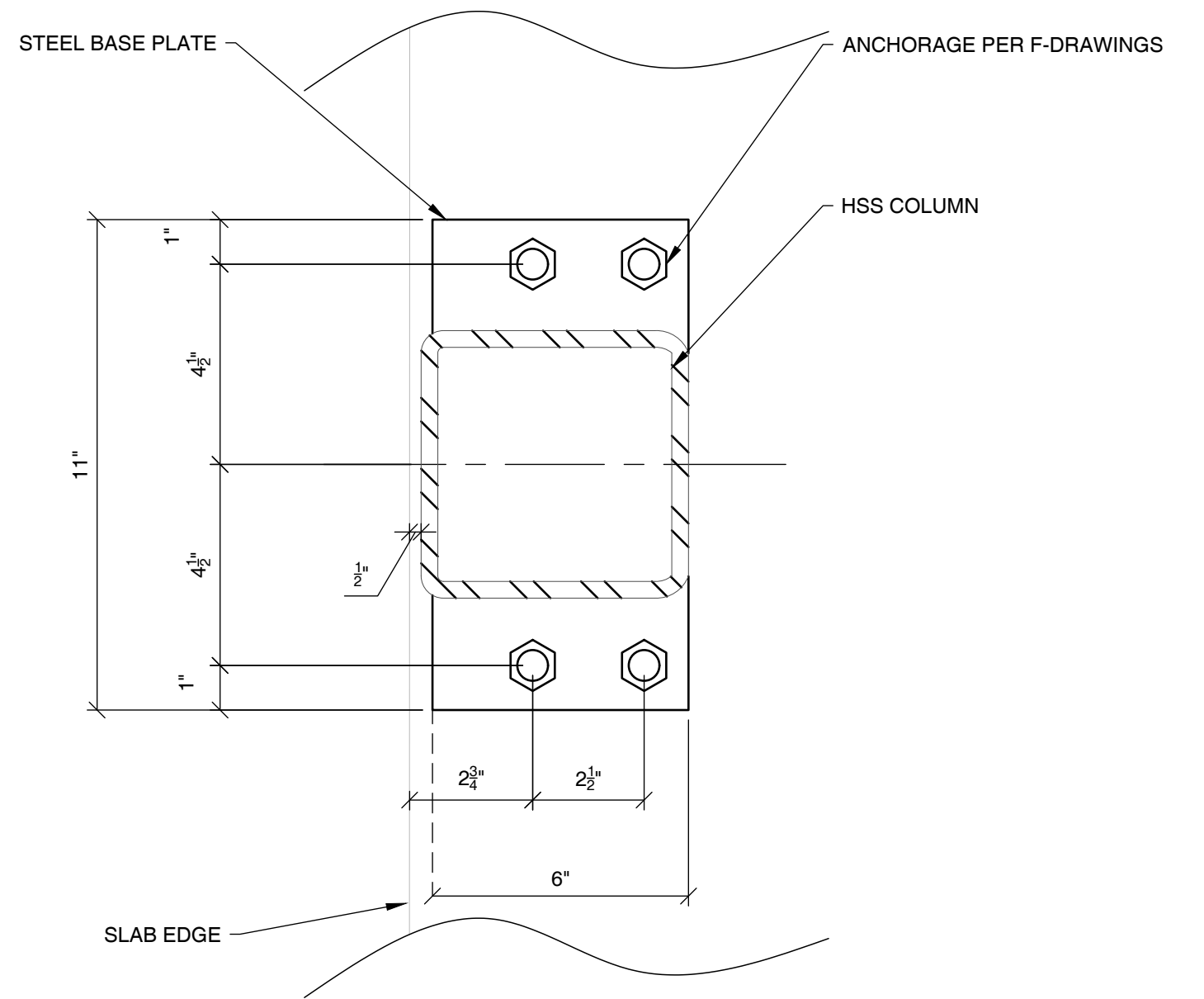
7 TRUSS CONNECTION
SCALE: NTS



1 TUBE COLUMN CORNER BASE PLATE DETAIL
N.T.S.



2 TUBE COLUMN SIDEWALL PLAN DETAIL
N.T.S.



3 TUBE COLUMN ENDWALL BASE DETAIL
N.T.S.



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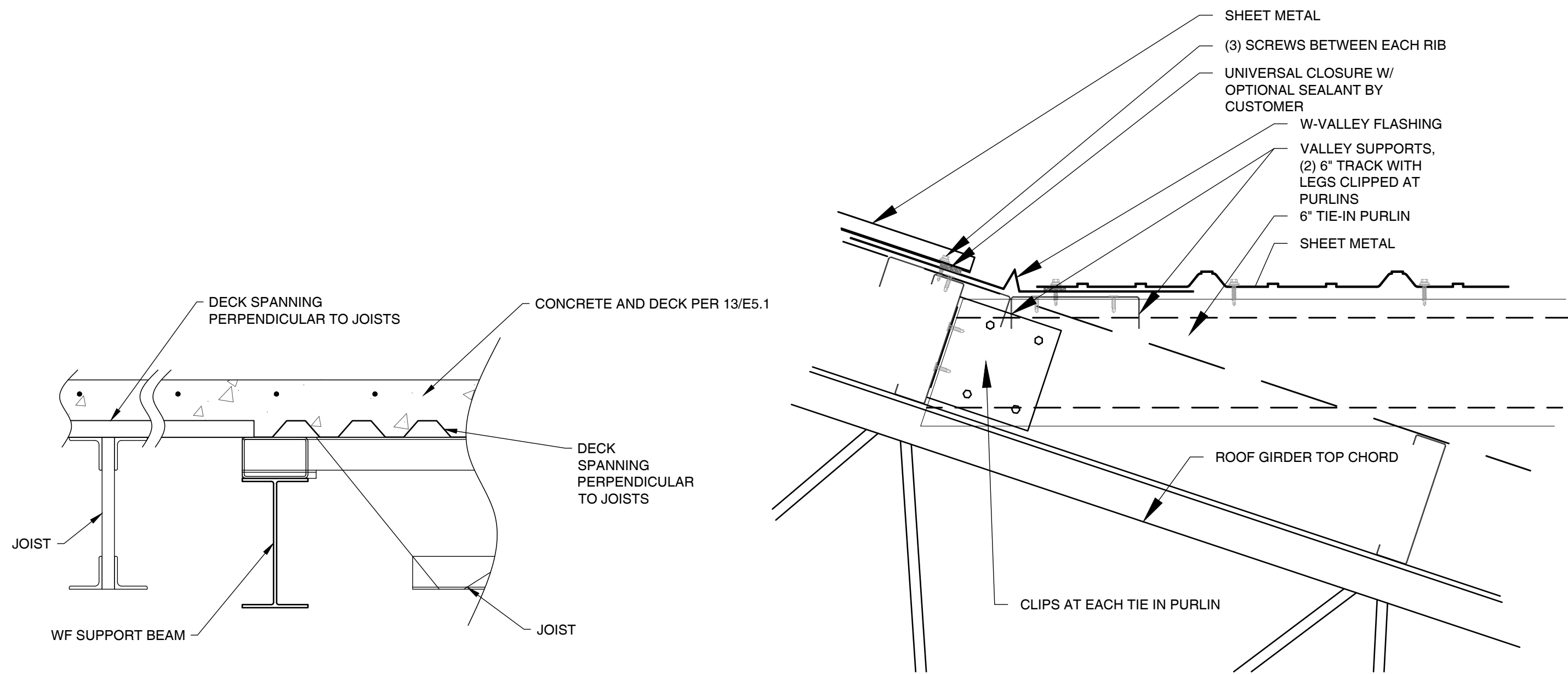
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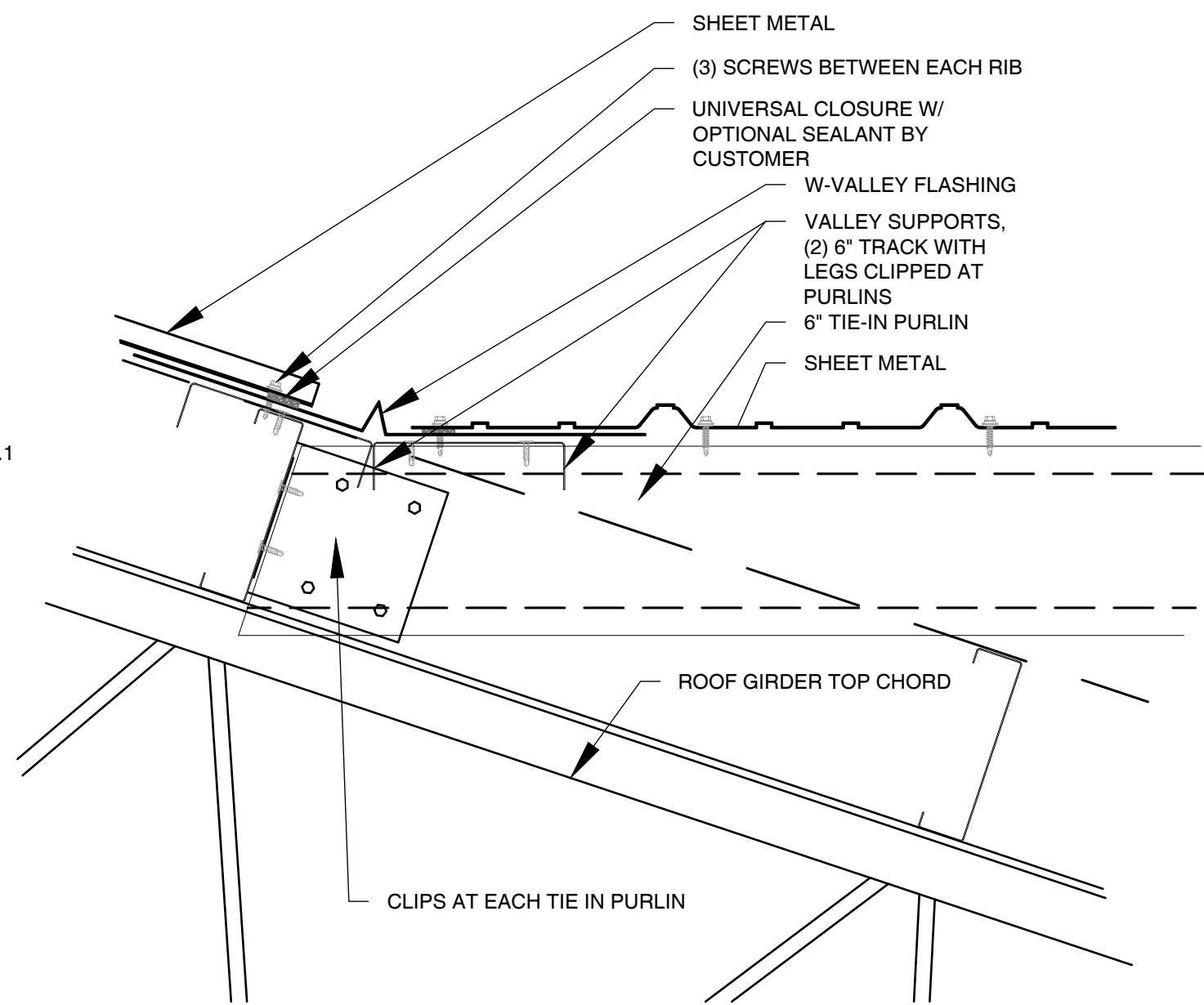
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DATE 02/14/2024
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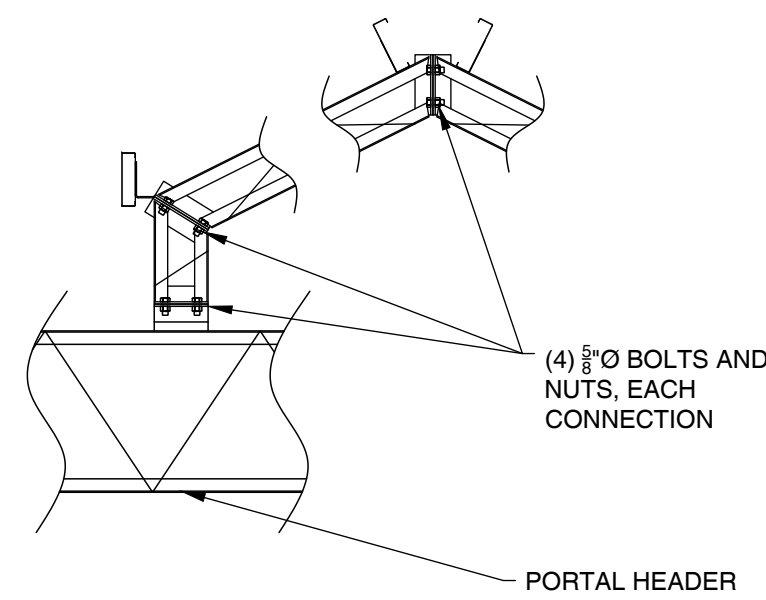
E5.0



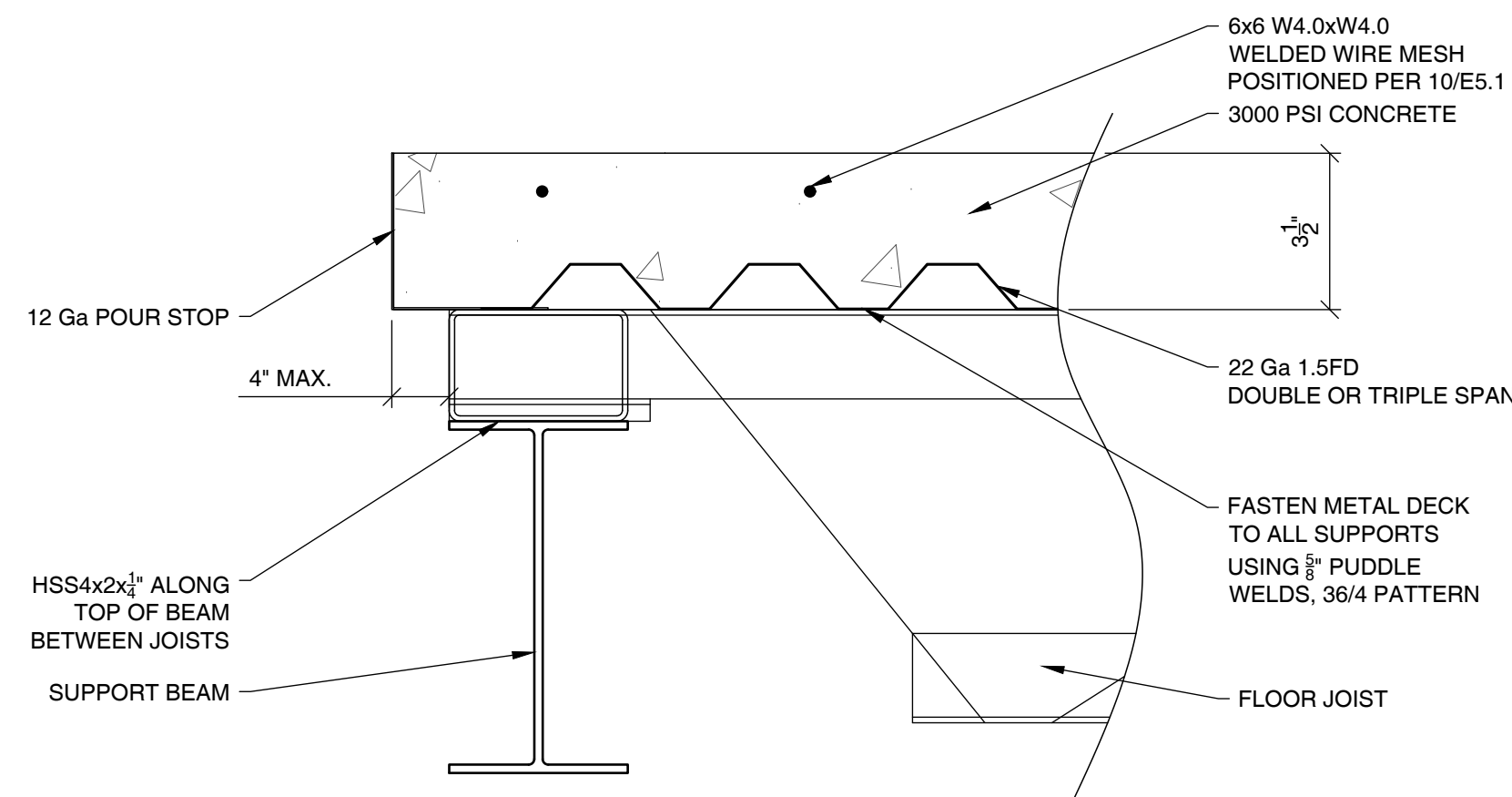
14 CONCRETE FLOOR AT SPAN CHANGE
N.T.S.



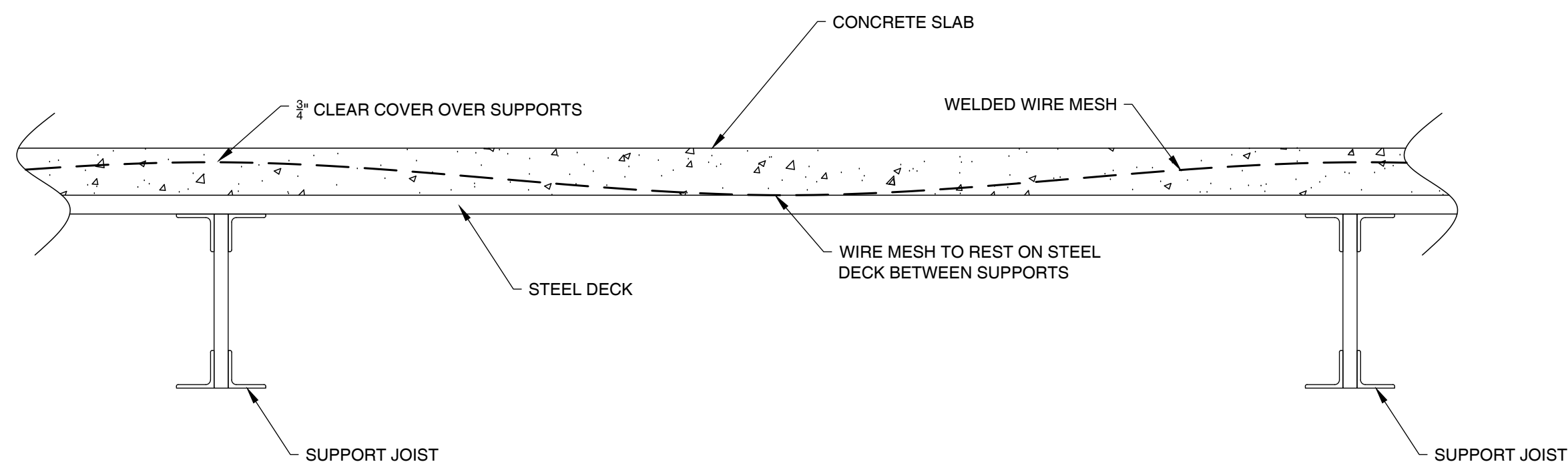
11 ROOF VALLEY FRAMING
N.T.S.



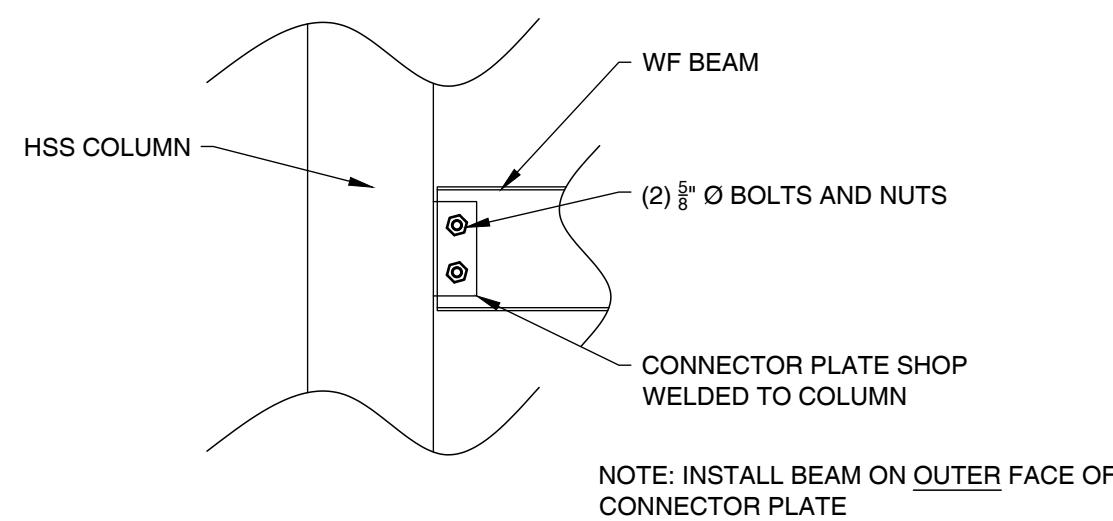
12 DORMER CONNECTION
N.T.S.



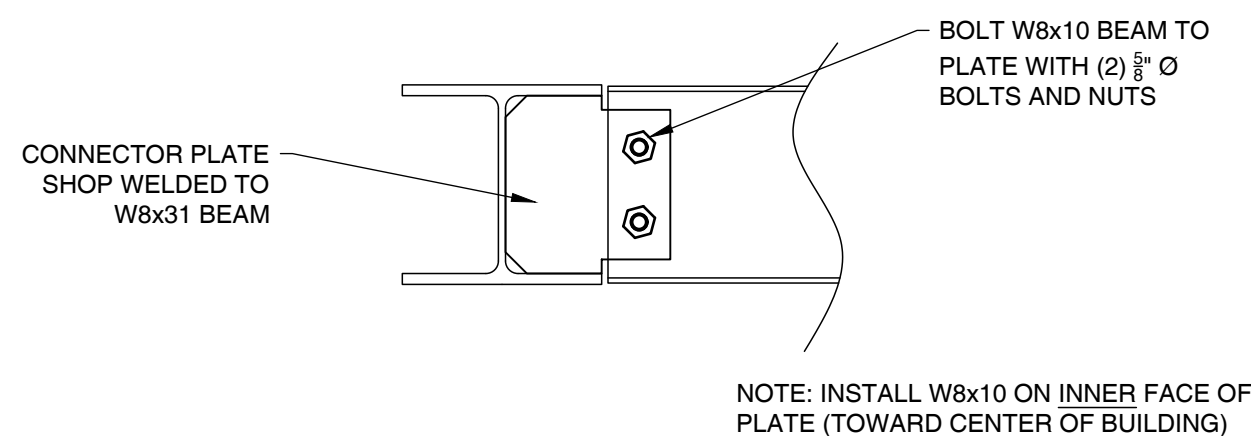
13 CONCRETE FLOOR
N.T.S.



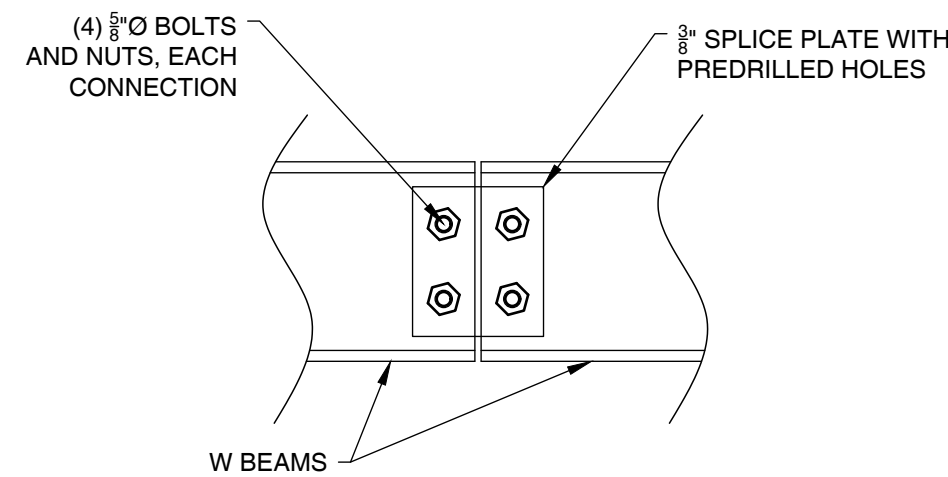
10 CONCRETE FLOOR REINFORCEMENT
N.T.S.



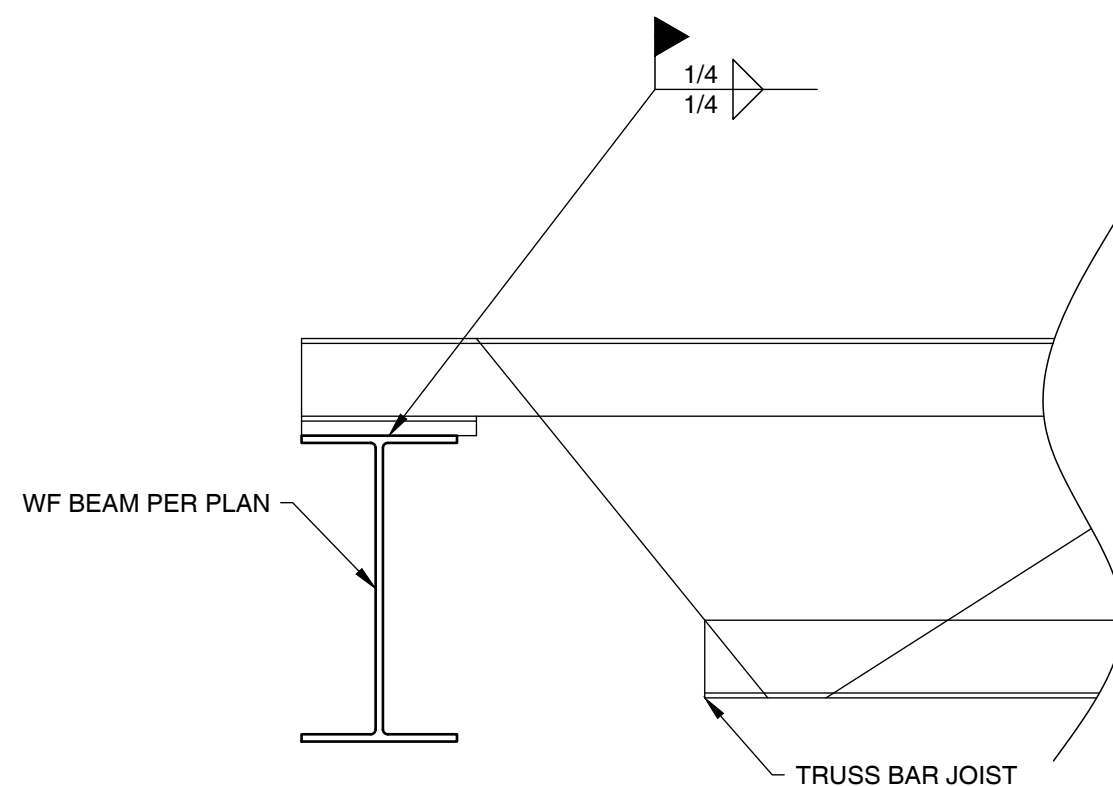
6 BEAM TO COLUMN CONNECTION
N.T.S.



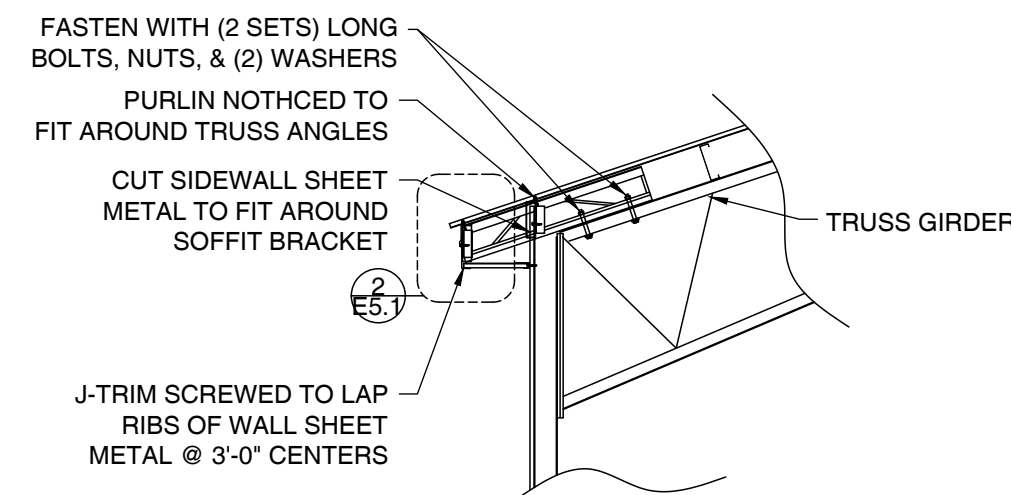
7 W8x10 TO W8x31 CONNECTION
N.T.S.



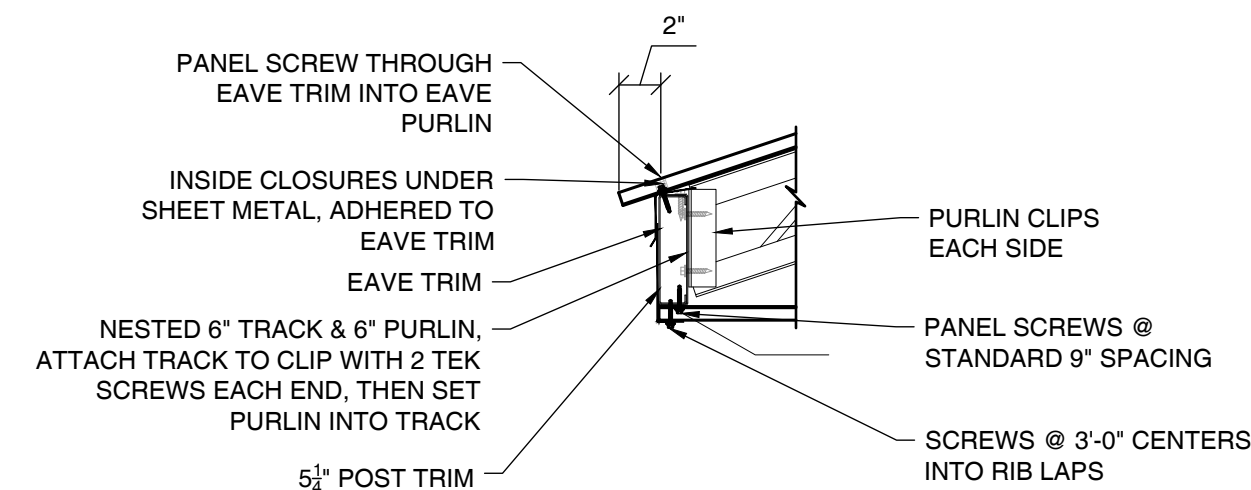
8 BEAM SPLICE CONNECTION
N.T.S.



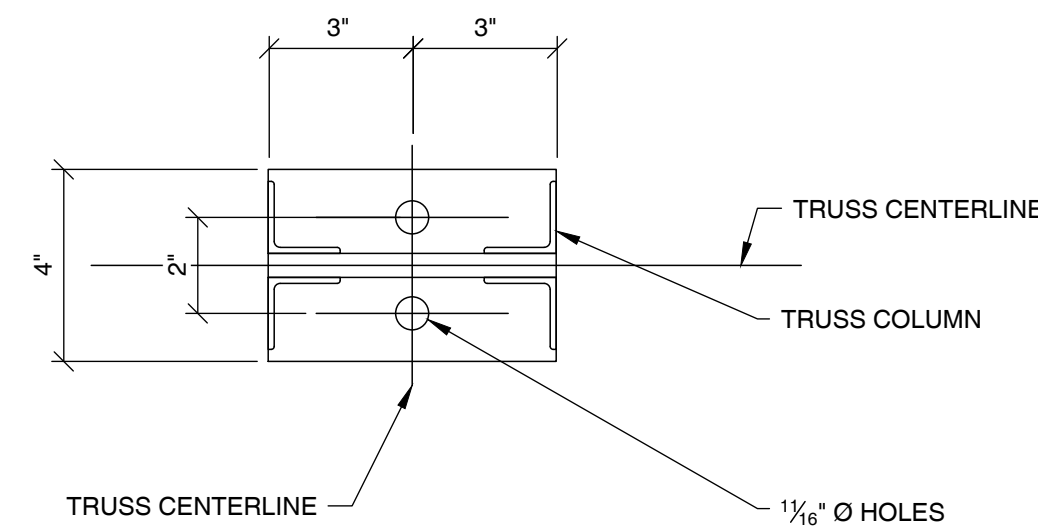
9 JOIST TO BEAM CONNECTION
N.T.S.



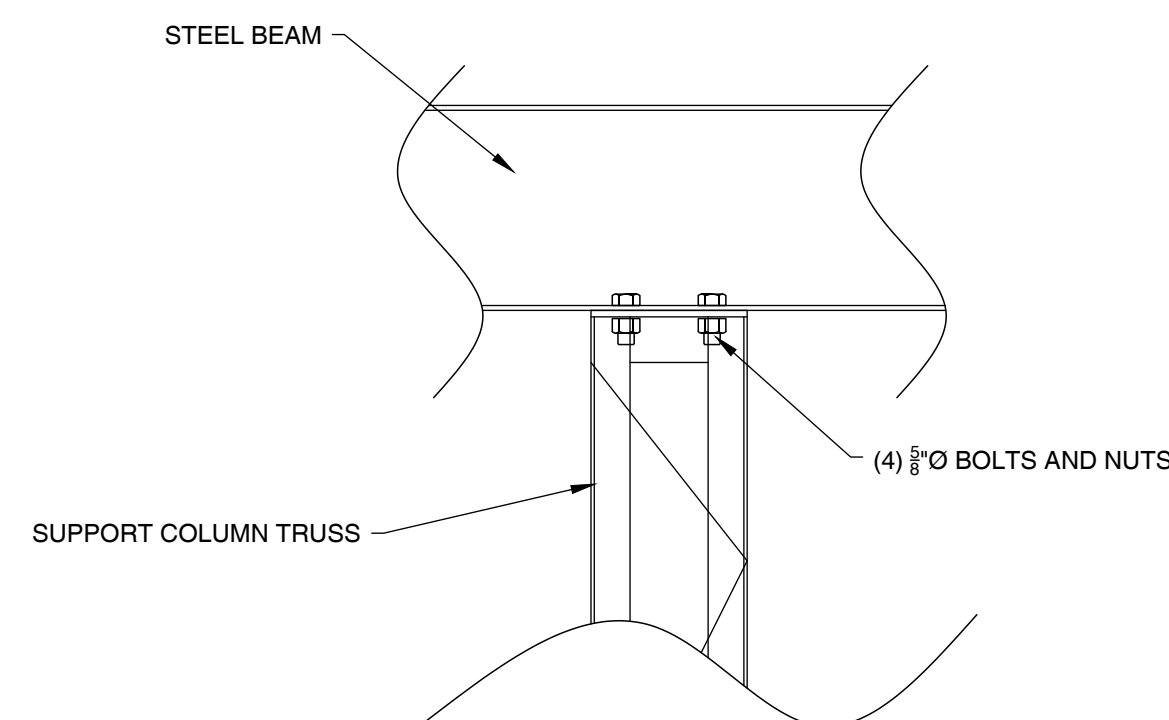
1 EAVE EXTENSION DETAILS
N.T.S.



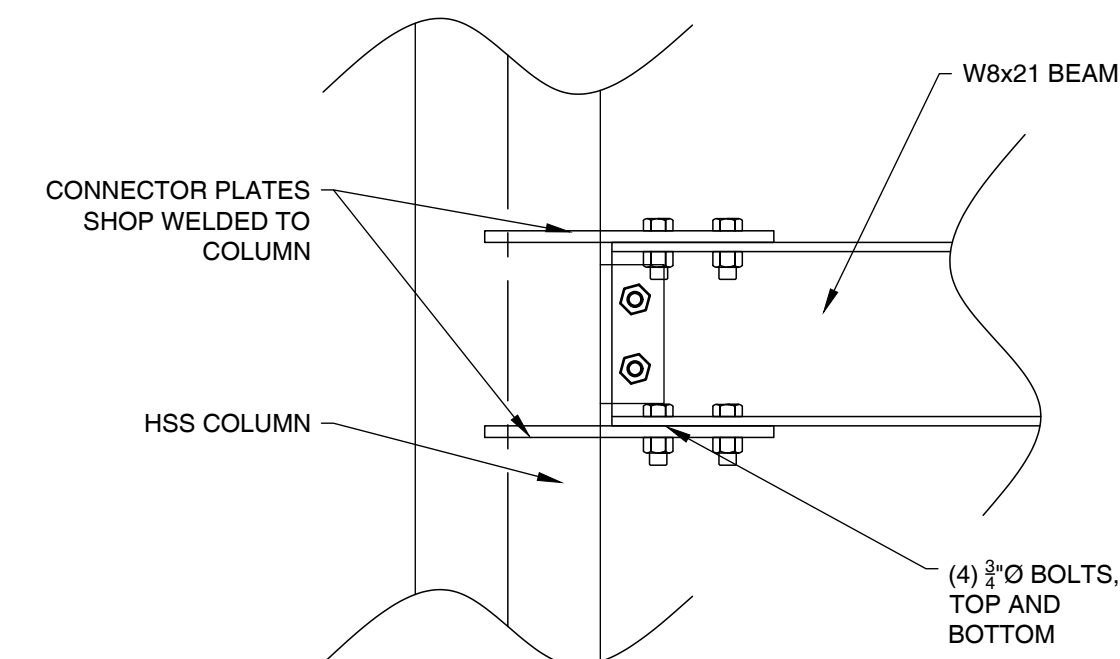
2 OVERHANG EAVE DETAIL
N.T.S.



3 SUPPORT POST BASEPLATE
N.T.S.



4 SUPPORT POST TO BEAM CONNECTION
N.T.S.



5 BEAM TO COLUMN CONNECTION BELOW PORTAL FRAME
N.T.S.

1. CODE INFORMATION:
TENNESSEE BUILDING CODE 2012 (2012 INTERNATIONAL BUILDING
CODE WITH AMENDMENTS)
BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI318

2. CONCRETE SLAB CONSTRUCTION SHALL BE:
WWSB FOUNDATION TYPE: FND-2, TRENCH & SLAB
4" THICK CONCRETE SLAB TYP.,
#4 BARS @ 24" O.C. EACH WAY OR 6x6-W1.4x1.4 WWF
OVER 4" OF COMPACTED GRANULAR FILL
OVER 10 MIL VAPOR BARRIER

4. ALL CONCRETE SHALL BE MINIMUM 3,000 PSI

5. ALL STEEL REINFORCEMENT BARS SHALL BE ASTM A615 GRADE 60

6. ALL STEEL REINFORCEMENT SPLICES SHALL BE LAPPED A MINIMUM OF 24", UNLESS NOTED OTHERWISE

7. FOUNDATION DESIGNED BASED ON THE FOLLOWING PROPERTIES:
SOIL BEARING PRESSURE : 2,500 PSF
SUBGRADE MODULUS: 100 PCI

8. THE ABOVE NOTED FOUNDATION DESIGN PRESSURES AND MODULUS ARE BASED ON THE GEOTECHNICAL REPORT PROVIDED BY TTL, INC. FOR PROJECT NO. 000230803426.00, DATED DECEMBER 18, 2023.

9. ALL SITE PREPARATION, EXCAVATION, FILL, AND COMPACTION OPERATIONS SHALL FOLLOW RECOMMENDATIONS IN ABOVE-NOTED GEOTECHNICAL REPORT. OWNER/CONTRACTOR SHALL EMPLOY QUALIFIED AGENCY TO VERIFY THAT ALL OPERATIONS MEET THE CRITERIA GIVEN IN THE REPORT.

10. ANCHORAGE OPTIONS:

a. MAIN BUILDING FRAME: (DETAILS 1/F1.0 & 2/F1.0)

- CAST IN PLACE:
- 1/2" DIA.x12" LONG (MIN 8" EMBEDMENT) F1554 Gr. 36
THREADED ROD PROVIDE $\frac{3}{8}$ " PLATE WASHER AND DOUBLE
NUT AT BOTTOM

- POST INSTALLED:
 - 1/2" DIA.x12" LONG (MIN 8" EMBEDMENT) F1554 Gr. 36
 THREADED ROD W/ HILTI HIT-HY 200 V3 EPOXY (OR
 APPROVED EQUIVALENT)

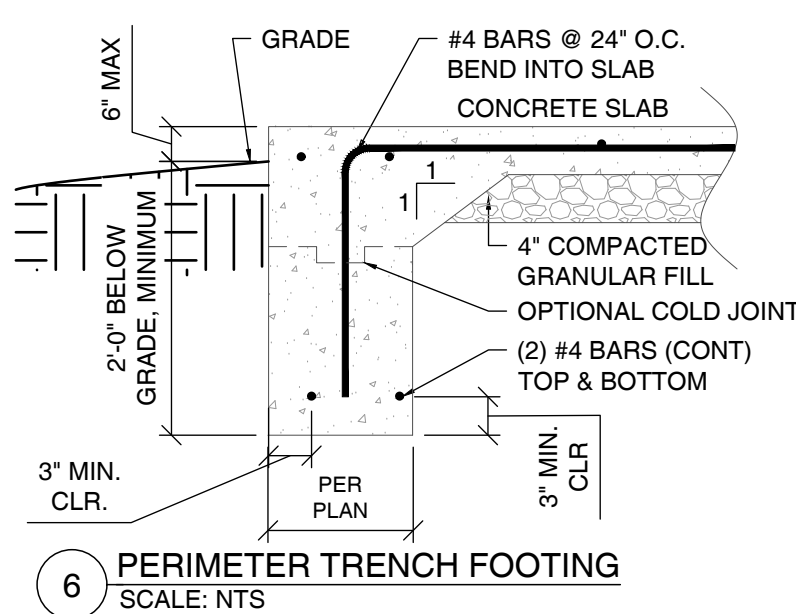
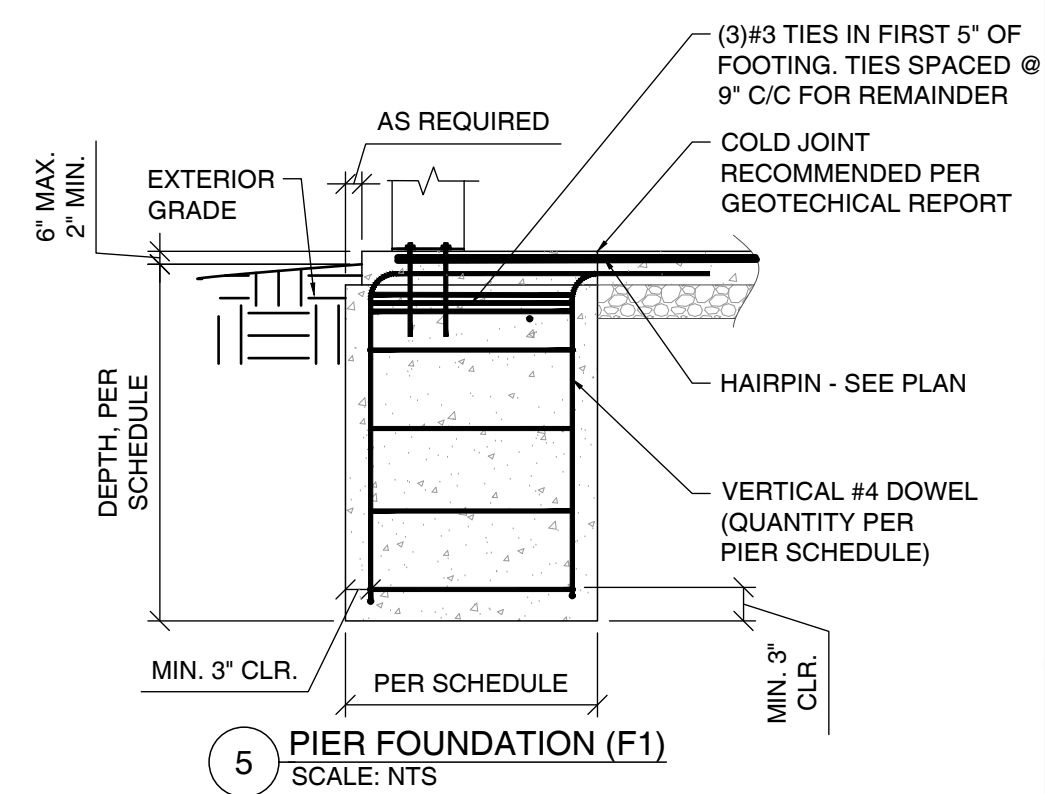
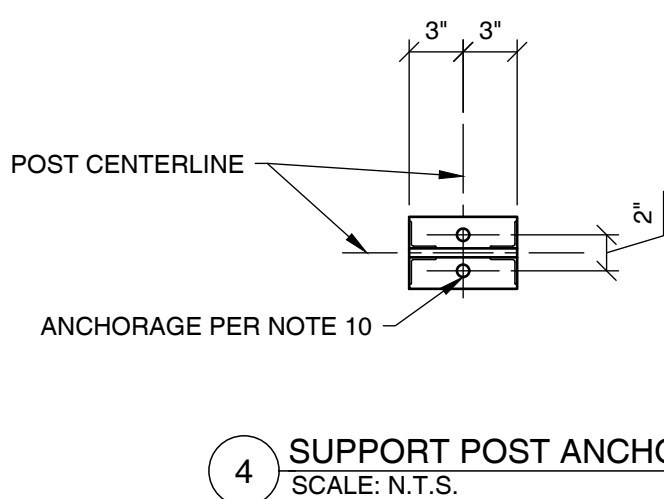
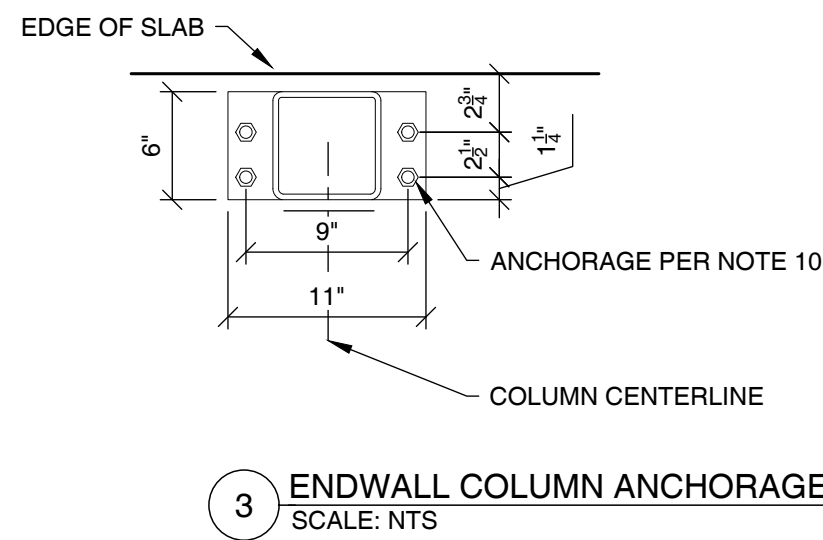
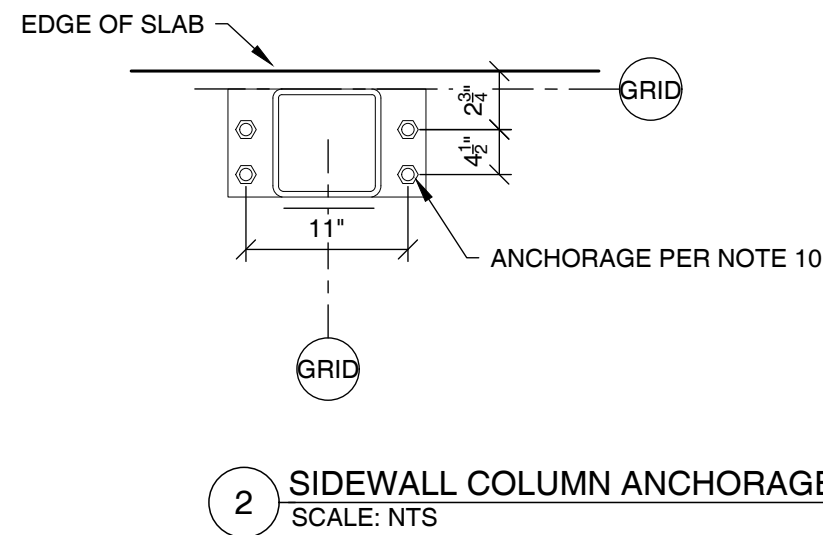
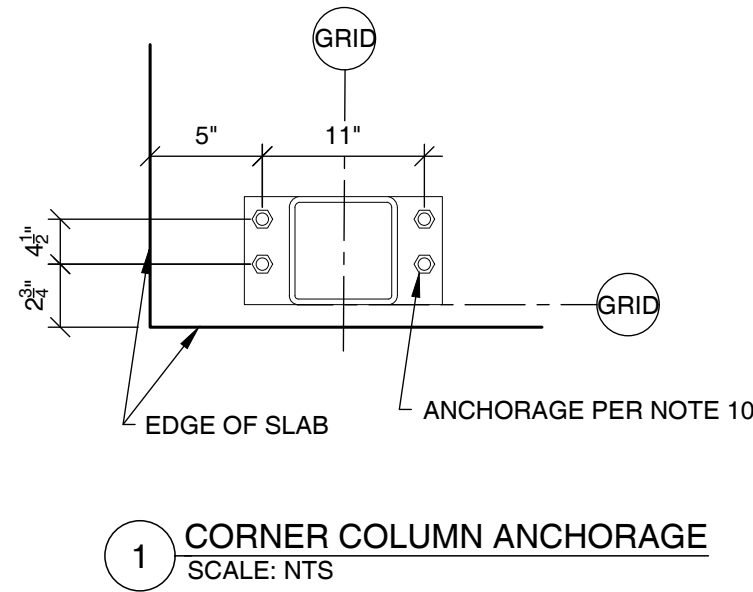
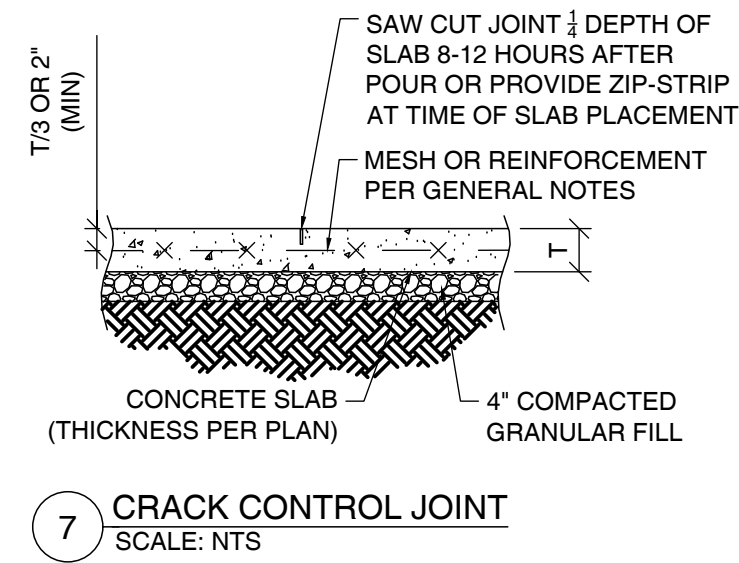
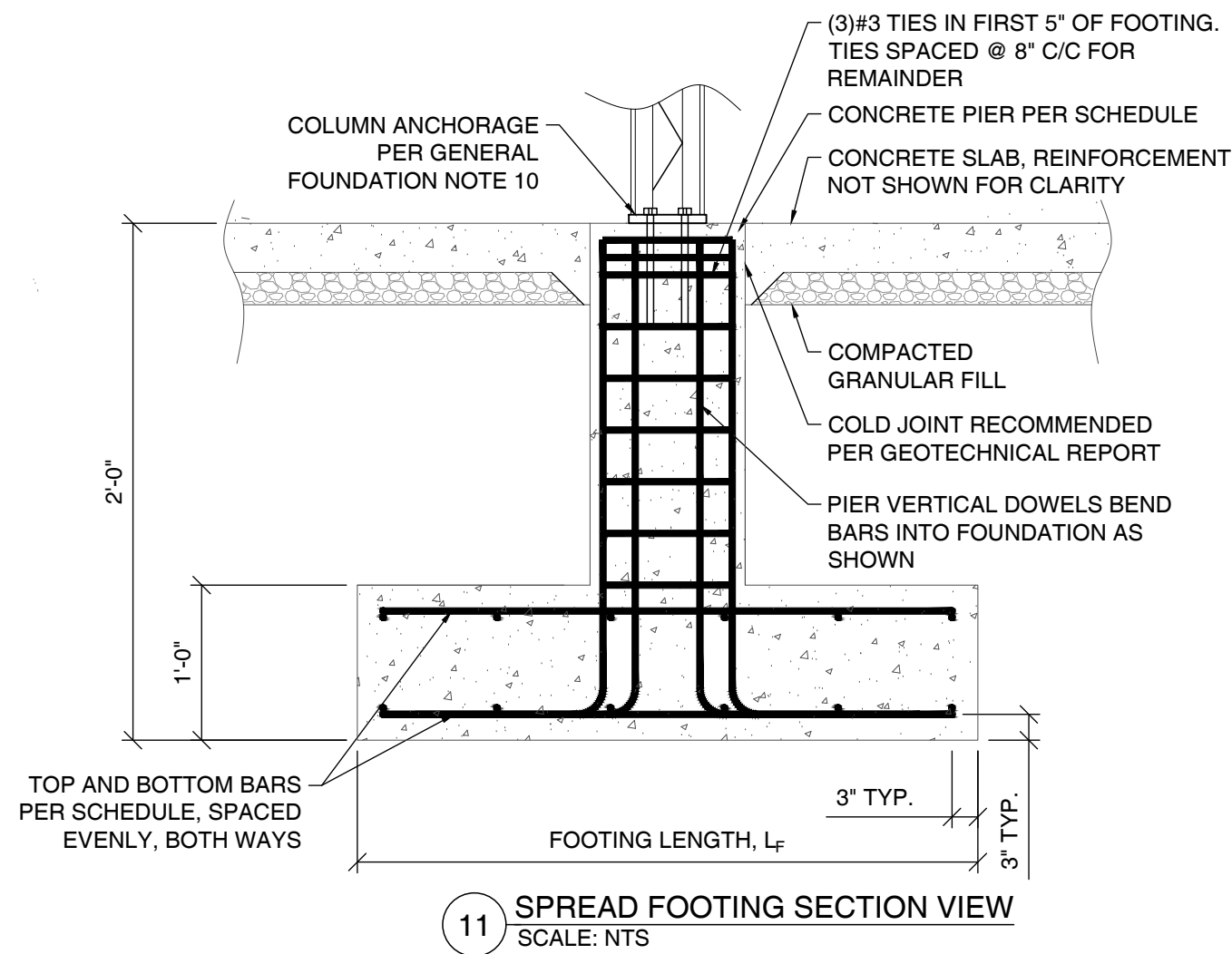
b. ENDWALL COLUMNS: (DETAIL 3/F1.0)

- CAST IN PLACE:
- 1/2" DIA.x6" LONG (MIN 4" EMBEDMENT) F1554 Gr. 36
 THREADED ROD PROVIDE $\frac{3}{8}$ " PLATE WASHER AND DOUBLE
 NUT AT BOTTOM

- POST INSTALLED:
 - 1/2" DIA.x6" LONG (MIN 4" EMBEDMENT) F1554 Gr. 36
THREADED ROD W/ HILTI HIT-HY 200 V3 EPOXY (OR
APPROVED EQUIVALENT)

c. SUPPORT POSTS: (DETAIL 4/F1.0)

- CAST-IN-PLACE:
 - 1/2" DIA.x6" (MIN 4" EMBEDMENT) LONG F1554 GR. 36
 THREADED ROD PROVIDE 3/8" PLATE WASHER AND DOUBLE
 NUT AT THE BOTTOM
- POST INSTALLED:
 - 1/2" DIA.x6" LONG HILTI KWIK BOLT TZ2, MINIMUM 3 3/4"
 EMBEDMENT



FOUNDATION SCHEDULE				
MARK	LENGTH, (IN.)	WIDTH, (IN.)	DEPTH, (IN.)	NUMBER OF LONGITUDINAL BARS
F1	24	24	30	16
F2	24	24	24	16
F3	SEE 10 & 11/F1.0			

RECTANGULAR PIER OPTION

NOTES:

1. BOTH A ROUND PIER AND A RECTANGULAR PIER ARE ACCEPTABLE FOUNDATION OPTIONS. BOTH ARE PRESENTED ABOVE AND MAY BE USED AT THE OWNER'S AND CONTRACTOR'S DISCRETION
2. PLAN VIEWS ARE GRAPHICAL REPRESENTATIONS OF FINAL CONSTRUCTION AND DO NOT NECESSARILY SHOW THE ACCURATE NUMBER OF REINFORCING BARS. PLEASE REFER TO SCHEDULE FOR SPECIFIC DIMENSIONS AND REINFORCEMENT REQUIREMENTS

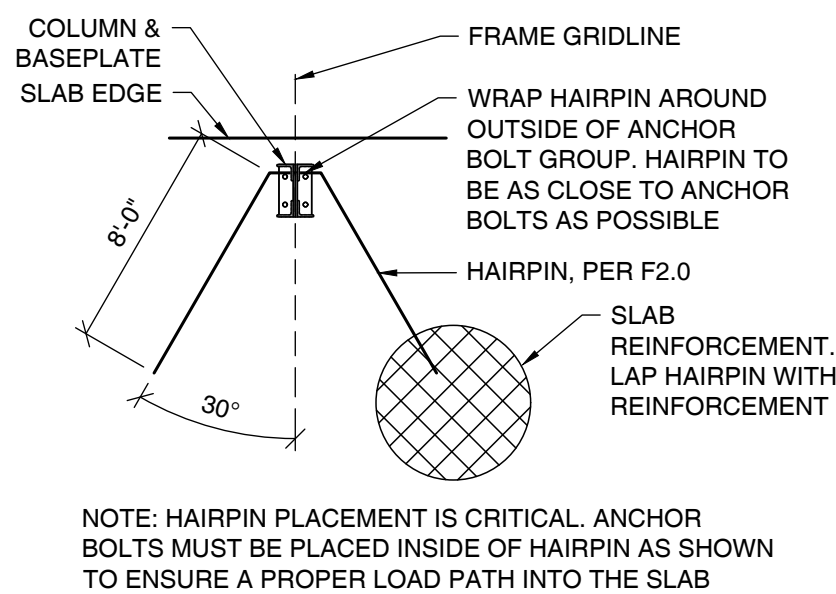
Diagram illustrating the typical cross-section of a pier. The diagram shows a circular pier with a central rectangular opening. Reinforcement details include:

- CONTINUOUS #4 BAR**: A horizontal bar passing through the pier.
- PIER TO BE CENTERED ON BASEPLATE**: A note indicating the pier's alignment.
- #4 LONGITUDINAL BARS PER PIER SCHEDULE SPACED EVENLY**: Vertical bars within the pier.
- 3" CLR. TYPICAL**: A dimension indicating the clearance between the pier and the baseplate.
- #3 CLOSED TIES**: Ties connecting the reinforcement bars.
- CONCRETE PIERS**: The main body of the pier.
- 5 F10**: A dimension indicating the diameter of the pier.

FOUNDATION SCHEDULE			
MARK	DIAMETER (IN.)	DEPTH, (IN.)	NUMBER OF LONGITUDINAL BARS
F1	30	30	18
F2	ROUND OPTION NOT PERMITTED		
F3			

CIRCULAR PIER OPTION

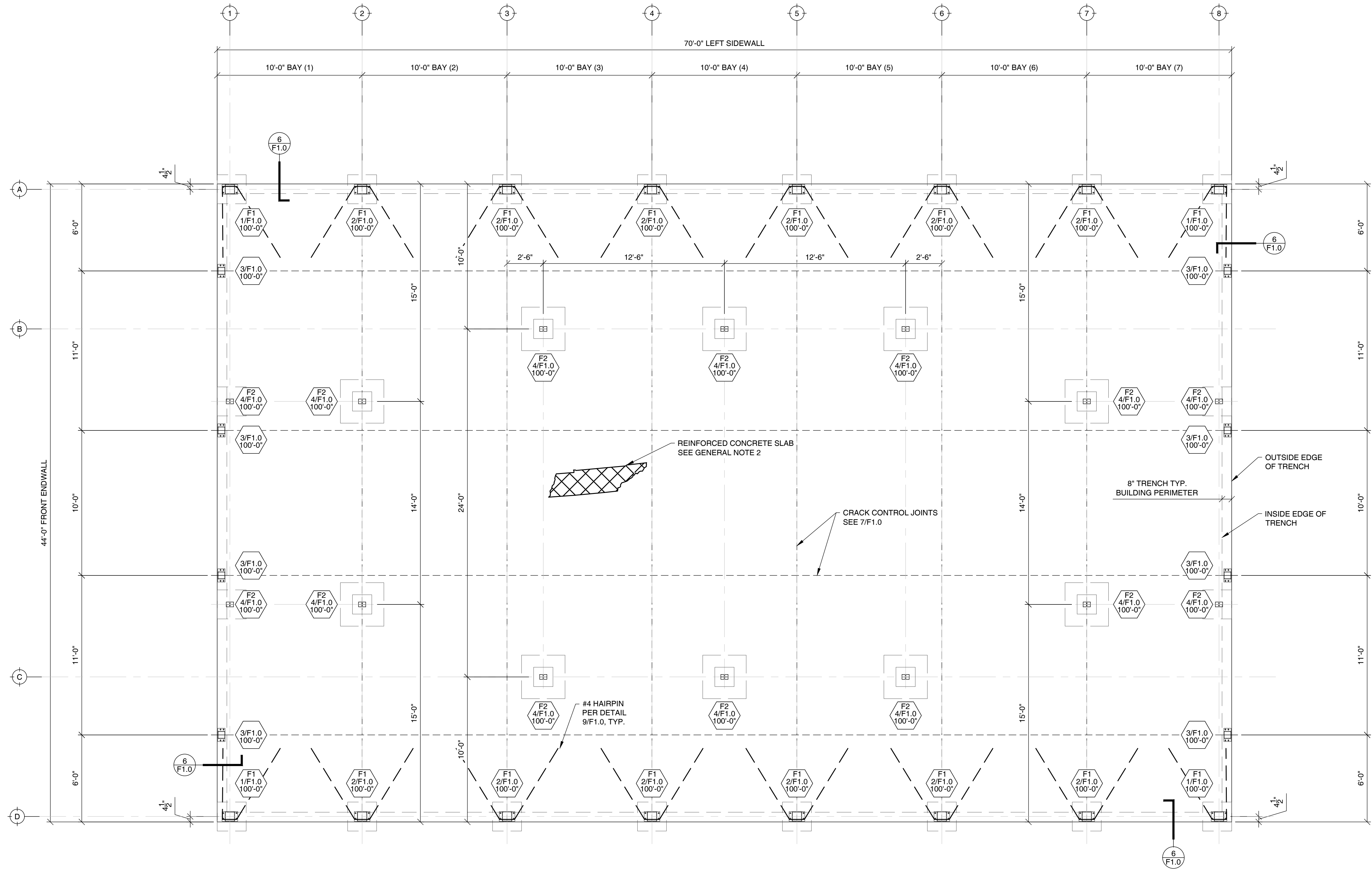
8 PIER FOUNDATION SCHEDULE
SCALE: N.T.S.



9 HAIRPIN DETAIL
SCALE: NTS

SPREAD FOOTING SCHEDULE				
MARK	PIER DIMENSIONS, W _p x L _p	PIER VERTICAL DOWEL REINFORCEMENT	FOOTING DIMENSIONS, W _f x L _f	FOOTING REINFORCEMENT
F3	1'-4" x 1'-4"	(8)#4 BARS, EVENLY SPACED	3'-0" x 3'-0"	(6)#4 BARS, EACH DIRECTION, TOP AND BOTTOM

10 SPREAD FOOTING SCHEDULE
SCALE: NTS



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

- NOTES:
- REFERENCE F1.0 FOR GENERAL NOTES AND ANCHOR BOLTS
 - TOP OF SLAB ELEVATION: 100'-0"
 - | F# | #/F1.0 | # |
|--|----------|----------|
| F# | #/F1.0 | #/F1.0 |
| 1-4/F1.0 | 1-4/F1.0 | 1-4/F1.0 |
| # INDICATES THE ELEVATION OF THE BASEPLATE | | |

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Worldwide Steel Buildings
PO Box 588
Peculiar, MO 64078
816.779.6441



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