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# PHASEII

# LAWRENCEBURG SQUARE PAVILION SOUTH MILITARY AVENUE

LAWRENCBURG, TENNESSEE

TLM Associates, Inc.  GENERAL / CIVIL		TLM Associates, Inc.  ARCHITECTURAL				TLM Associates, Inc. STRUCTURAL		JM2 ASSOCIATES  MECHANICAL/PLUMBING		JM2 ASSOCIATES  ELECTRICAL		REFERNCE DRAWING			
# REV REV	DATE SHEET TITLE	SHT# REV	REV DATE SHEET TITLE	SHT# REV REV DATE	SHEET TITLE	SHT# RE	REV REV DATE SHEET TITLE	SHT#	REV REV DATE	SHEET TITLE	SHT# REV REV DATE	SHEET TITLE	SHT# REV	/ REV DATE	SHEET TITLE
	COVER SHEET	A1.1	FINISH FLOOR			\$1.0	GENERAL NOTES	M1.1		HVAC & PLUMBING	E0.1	NOTES, SCHEDULES AND DETAILS	E1.0		
		A1.2	MEZZANINE FLOOR PLAN			\$2.0	ENLARGED FOUNDATION AND FRAMIN	<del>}</del>			E2.1	UNDER MEZZANINE LIGHTING PLAN	E2.0		
1	CIVIL COVER SHEET	A1.3	ROOF PLAN				PLANS AT STAIR				E2.2	MEZZANINE LIGHTING PLAN	E2.1		
01	EXISTING CONTIDIONS & DEMOLITION	A2.0	EXTERIOR ELEVATIONS			\$3.0	SECTIONS				E3.1	GROUND LEVEL POWER PLAN	E2.2		
	PLAN	A3.0	STAIR SECTION AND DETAILS								E3.2	MEZZANINE LEVEL POWER PLAN	E3.0		
01	SITE LAYOUT PLAN	A4.0	REFERENCE LIFT DRAWINGS										E3.1		
01	SITE GRADING PLAN												E3.2		
01	SITE UTILITY PLAN												E4.0		
501	CIVIL DETAILS												E4.1		
													E4.2		
													E4.3		
													E5.0		
													E5.1		
													F1.0		
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		1 1													

#### 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):

• TYPE II-B, UNSPRINKLERED

### OCCUPANCY GROUP (IBC CH 3):

OUTDOOR PAVILION 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: LEVEL 2 MEZZANINE AREA:

4,284 SF

2,713 SF

1,571 SF

181 PEOPLE

LEVEL 1: LEVEL 2: TOTAL OCCUPANT LOAD:

#### 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 105 PEOPLE INTERMEDIATE RAILS AND OTHER ELEMENTS SERVING THIS PURPOSE. 286 PEOPLE

#### 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

LAWRENCEBUF SOUTH A

MARCH 25, 2024

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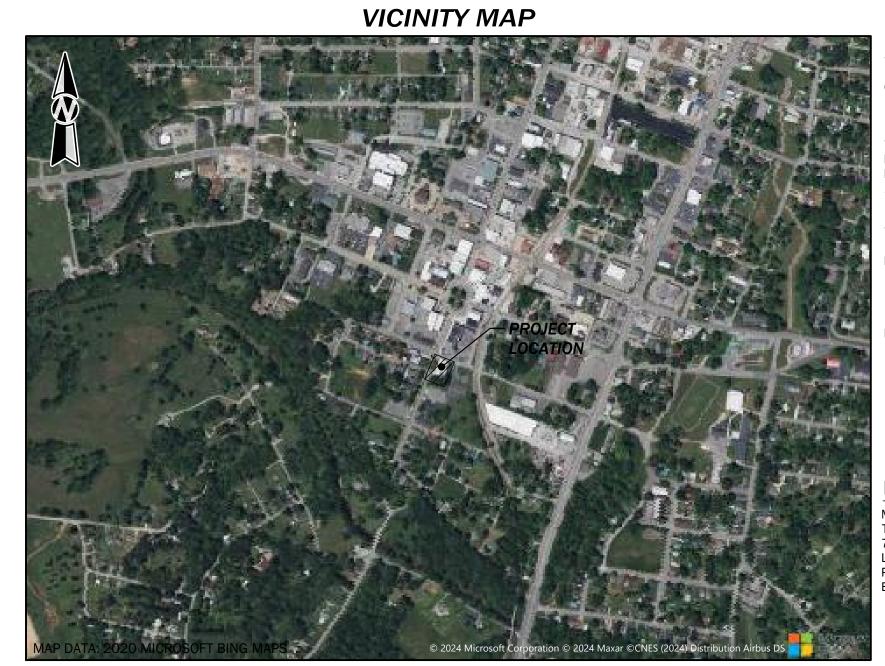
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# PHASE II LAWRENCEBURG SQUARE PAVILION

# CITY OF LAWRENCEBURG 204 S MILITARY AVENUE LAWRENCE COUNTY, TENNESSEE

TTL PROJECT NO. 000230803426.00

## MARCH 25, 2024



## OWNER/DEVELOPER: CITY OF LAWRENCEBURG

TAX MAP:

EXISTING ZONING:

PROPOSED ZONING:

ADJACENT ZONING:

MAP 089C PARCEL 23.00

R3

R3

R3(NORTH) R3(SOUTH)

TOTAL ACREAGE =  $\pm 0.38$  acres ( $\pm 16,665$  s.f.)

DISTURBED ACREAGE =  $\pm 0.08$  acres ( $\pm 3,385$  s.f.)

IMPERVIOUS ACREAGE = 0.08 acres (3,385 s.f.)

ND 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

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

CABLE SPECTRUM 405 S JAMES CAMPBELL BLVD, COLUMBIA, TN 38401 (888) 406-7063

#### DATUM INFORMATION

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

#### THIS PROPERTY IS LOCATED IN "ZONE X"

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	CO 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

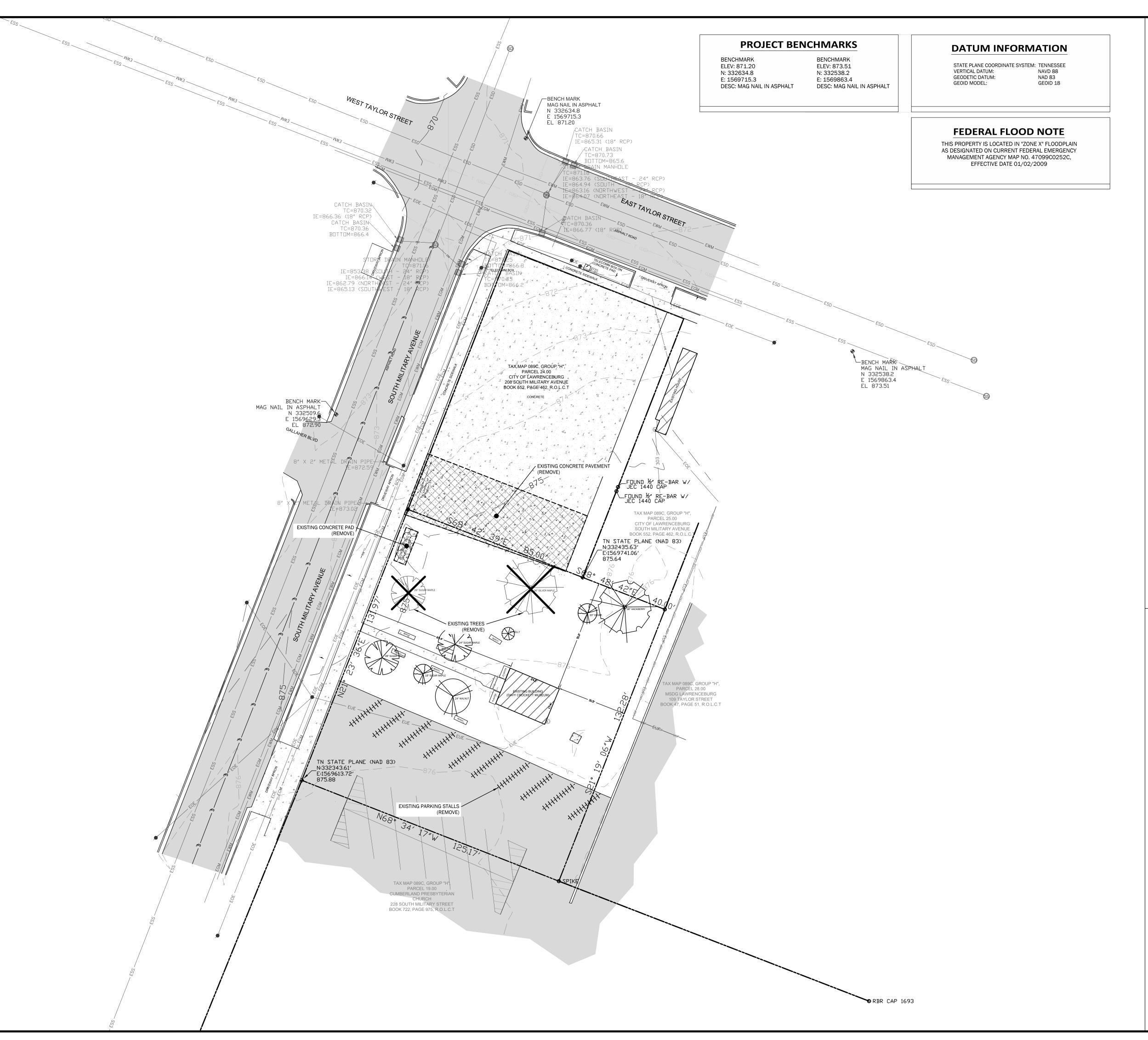
I N Military Ave, Ste 101 | Lawrenceburg, TN 3846

I LAWRENCEBURG SQUARE PAVILIC

TTL, INC.

MATTHEW S. BRO TENNESSEE REG. N

SET NO.





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#### SURVEY LEGEND

EXISTING BOUNDARY LINE EXISTING RIGHT-OF-WAY ---- EXISTING SUBDIVISION LOT LINE — ○ — ○ — ○ — ○ — EXISTING CHAIN LINK FENCE  $- \diamond -- \diamond -- \diamond -- \diamond --$  EXISTING IRON FENCE — X — X — X — EXISTING WIRE FENCE — — — — — — EXISTING WOOD FENCE — 150— EXISTING CONTOUR 5' INTERVAL — — — 149— — EXISTING CONTOUR 1' INTERVAL  $\times$ EX $\pm$ 150.0 EXISTING SURFACE ELEVATION ESS — EXISTING SANITARY SEWER MAIN EXISTING SANITARY SEWER FORCE MAIN EXISTING STORM DRAIN EXISTING WATER MAIN EXISTING GAS MAIN EXISTING OVERHEAD ELECTRICAL EXISTING UNDERGROUND FIBER OPTIC EXISTING UNDERGROUND ELECTRICAL EXISTING SANITARY SEWER MANHOLE EXISTING STORM MANHOLE EXISTING STORM GRATE INLET EXISTING WATER VALVE EXISTING WATER METER EXISTING GAS METER EXISTING GAS VALVE EXISTING ELECTRIC METER EXISTING POWER POLE EXISTING GUY ANCHOR EXISTING ELECTRICAL BOX EXISTING MAILBOX EXISTING TREE EXISTING TREE STUMP EXISTING CONCRETE PAVEMENT EXISTING ASPHALT PAVEMENT

#### **DEMOLITION LEGEND**

EXISTING BRICK PAVERS

EXISTING GRAVEL DRIVE
EXISTING RIPRAP LINING

EXISTING BUILDING

#### GENERAL PROJECT NOTES

- 1. CONTRACTOR TO VERIFY FIELD CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 2. THE CONTRACTOR SHALL CONTACT TENNESSEE ONECALL (811) FOR UTILITY LOCATIONS. IN THE EVENT OF ANY DAMAGE TO IN-PLACE UTILITIES, THEY SHALL BE REPAIRED AND REPLACED TO THE SATISFACTION OF THE ENGINEER AND THE UTILITY OWNER AT THE
- 3. ANY EXISTING PROPERTY CORNERS (I.E.- IRON PIPES, CAPPED PIPES, CAPPED MONUMENTS, ETC). DISPLACED OR DAMAGED DURING CONSTRUCTION SHALL BE RESET. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND SHALL BE A FINAL PUNCH LIST/CLOSEOUT ITEM. PROJECT PROPERTY CORNERS SHALL BE STAKED AND FLAGGED BY THE OWNER'S REPRESENTATIVE.
- 4. THE CONTRACTOR MUST MAINTAIN ACCESSIBLE DRIVES AND PUBLIC ROADWAYS. ANY ADDITIONAL STONE, GRADING, INSTALLATION, ETC. TO MAKE SIDEWALKS, DRIVES, AND ROADWAYS ACCESSIBLE DURING CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN.
- 5. THE CONTRACTOR SHALL KEEP THE PROJECT RIGHT-OF-WAYS CLEAN FROM TRASH AND DEBRIS. THE ROADWAYS AND SIDEWALKS SHALL BE SWEPT AND WASHED DOWN TO LIMIT THE TRACKING OF DIRT FROM THE PROJECT ONTO PUBLIC RIGHT-OF-WAYS DAILY. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN.
- 6. AT THE END OF THE PROJECT THE CONTRACTOR SHALL POWER WASH ALL CONCRETE SURFACES (I.E., CURB AND GUTTERS, SIDEWALK, DRIVES. STORM SEWER BOXES, BRICK PAVERS, EXISTING BUILDING BRICK, ETC.), SPECIFICALLY EXISTING CONCRETE ABUTTING REQUIRED CONCRETE SURFACES WITHIN THE PROJECT RIGHT-OF-WAY TO ELIMINATE STAINING FROM EARTHEN MATERIAL, CONSTRUCTION EQUIPMENT, OILS, PAINTS, ETC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN.
- 7. ALL TEMPORARY STONES FOR ROADWAY, SIDEWALK, DRIVES, ETC. SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. NO TEMPORARY STONES SHALL BE WASTED ON THE SITE SPECIFICALLY IN THE FINAL SUBGRADE LAYER AND TOPSOIL. EXCESSIVE STONE WILL INHIBIT THE GROWTH OF THE LANDSCAPE. ALL STONE SHALL BE REMOVED FROM AREAS TO RECEIVE TOPSOIL, NO EXCEPTIONS.
- 8. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE CITY OF LAWRENCEBURG, LAWRENCEBURG UTILITY SYSTEMS AND/OR ANY OTHER OWNER OR GOVERNING AGENCY WITH EXISTING INFRASTRUCTURE OR JURISDICTION IN THIS AREA.

#### DEMOLITION NOTES:

- 1. THE CONTRACTOR SHALL NOTE THAT THIS SHEET IS INTENDED TO PROVIDE AN OVERALL VIEW OF PROJECT DEMOLITION. IT DOES NOT NOTE OR CONSTITUTE ALL ITEMS TO BE DEMOLISHED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE PLANS AND PROJECT SITE, AND HIGHLIGHT ANY ITEMS HE IS UNSURE OF DURING THE BID PROCESS AND REQUEST CLARIFICATION. NO CLAIMS SHALL BE CONSIDERED AFTER THE PROJECT BIDS RELATED TO THE DEMOLITION AREA.
- 2. DURING CONSTRUCTION, ANY EXISTING LANDSCAPING, FENCING, ETC. TO BE RETAINED SHALL BE PROTECTED AND IF DAMAGED OR REMOVED SHALL BE REPLACED WITH LIKE MATERIALS AS APPROVED BY THE OWNER'S REPRESENTATIVE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT
- CONSIDERED INCIDENTAL TO THE CONTRACT.

  3. ALL DEMOLITION, CLEARING, AND GRUBBING SHALL BE REMOVED FROM THE PROJECT SITE. NO BURNING OF PERISHABLE MATERIAL WILL BE PERMITTED.
- TREE BRANCHES TO BE TRIMMED AS NECESSARY FOR CONSTRUCTION OF PROPOSED PAVILION



# G SQUARE PAVILION

CITY OF LAWREN 204 S MILITARY A

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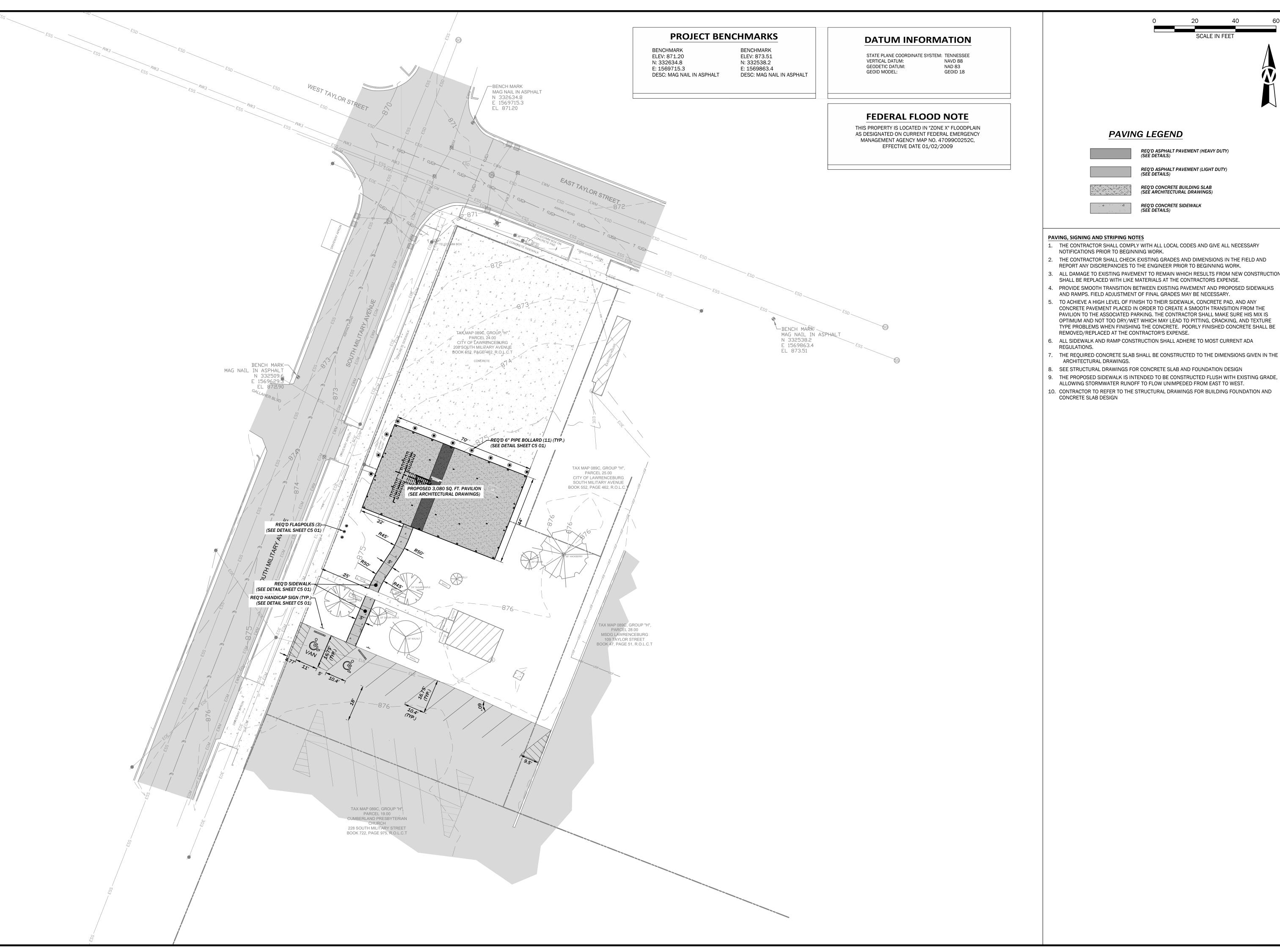
Sheet Title

EXISTING CONDITIONS & DEMOLITION PLAN

No. Date Revision Description

Proj. No.:

Bild Name: 232426 Short Co.d. SurveyDamp dwg

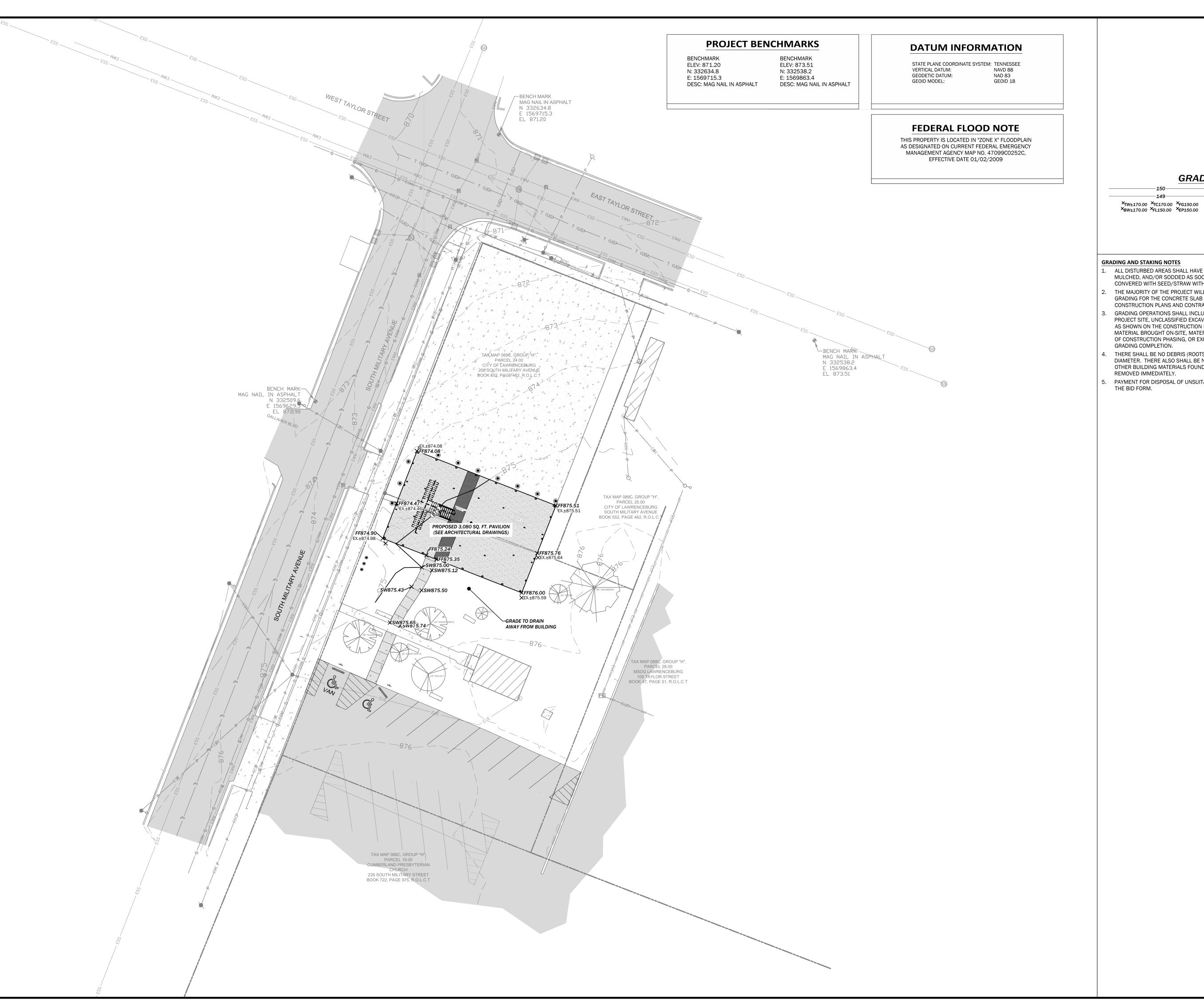


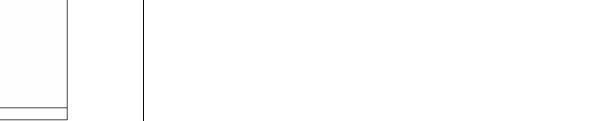
- 3. ALL DAMAGE TO EXISTING PAVEMENT TO REMAIN WHICH RESULTS FROM NEW CONSTRUCTION
- 4. PROVIDE SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND PROPOSED SIDEWALKS
- CONCRETE PAVEMENT PLACED IN ORDER TO CREATE A SMOOTH TRANSITION FROM THE PAVILION TO THE ASSOCIATED PARKING. THE CONTRACTOR SHALL MAKE SURE 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

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#### **GRADING LEGEND**

REQ'D CONTOUR 5' INTERVAL REQ'D CONTOUR 1' INTERVAL REQUIRED TOP OF WALL, TOP OF CURB, FINISH GRADE BOTTOM OF WALL, FLOWLINE & EDGE OF PAVEMENT

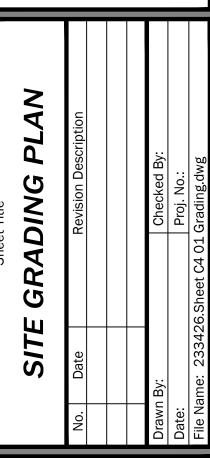
- ALL DISTURBED AREAS SHALL HAVE A MINIMUM OF 6" TOPSOIL APPLIED, BE GRASSED AND MULCHED, AND/OR SODDED AS SOON AS FINAL GRADING IS COMPLETE. ALL AREAS ARE TO BE CONVERED WITH SEED/STRAW WITHIN 14 DAYS AFTER GRADING ACTIVITIES HAVE CEASED.
- THE MAJORITY OF THE PROJECT WILL REQUIRE CLEARING AND REMOVAL OF TOPSOIL AND GRADING FOR THE CONCRETE SLAB TO BE PLACED. AS SHOWN THROUGHOUT THE PROJECT CONSTRUCTION PLANS AND CONTRACT DOCUMENTS.
- GRADING OPERATIONS SHALL INCLUDE TOPSOIL STRIPPING AND REMOVAL THROUGHOUT THE PROJECT SITE, UNCLASSIFIED EXCAVATION, ETC. TO BRING THE SITE TO FINISHED SUBGRADE AS SHOWN ON THE CONSTRUCTION PLANS. NO EXTRA PAYMENT WILL BE MADE FOR EXCESS MATERIAL BROUGHT ON-SITE, MATERIAL REQUIRED TO BE MOVED MULTIPLE TIMES BECAUSE OF CONSTRUCTION PHASING, OR EXCESS MATERIAL TO BE REMOVED FROM THE SITE UPON
- THERE SHALL BE NO DEBRIS (ROOTS, ROCKS, ETC.) IN THE TOPSOIL LARGER THAN 1" IN DIAMETER. THERE ALSO SHALL BE NO WASTED TEMPORARY GRAVEL, CONCRETE, OR ANY OTHER BUILDING MATERIALS FOUND IN THE TOPSOIL. ANY FOUND DEBRIS SHALL BE
- PAYMENT FOR DISPOSAL OF UNSUITABLE MATERIAL "IF ENCOUNTERED" SHALL BE MADE PER

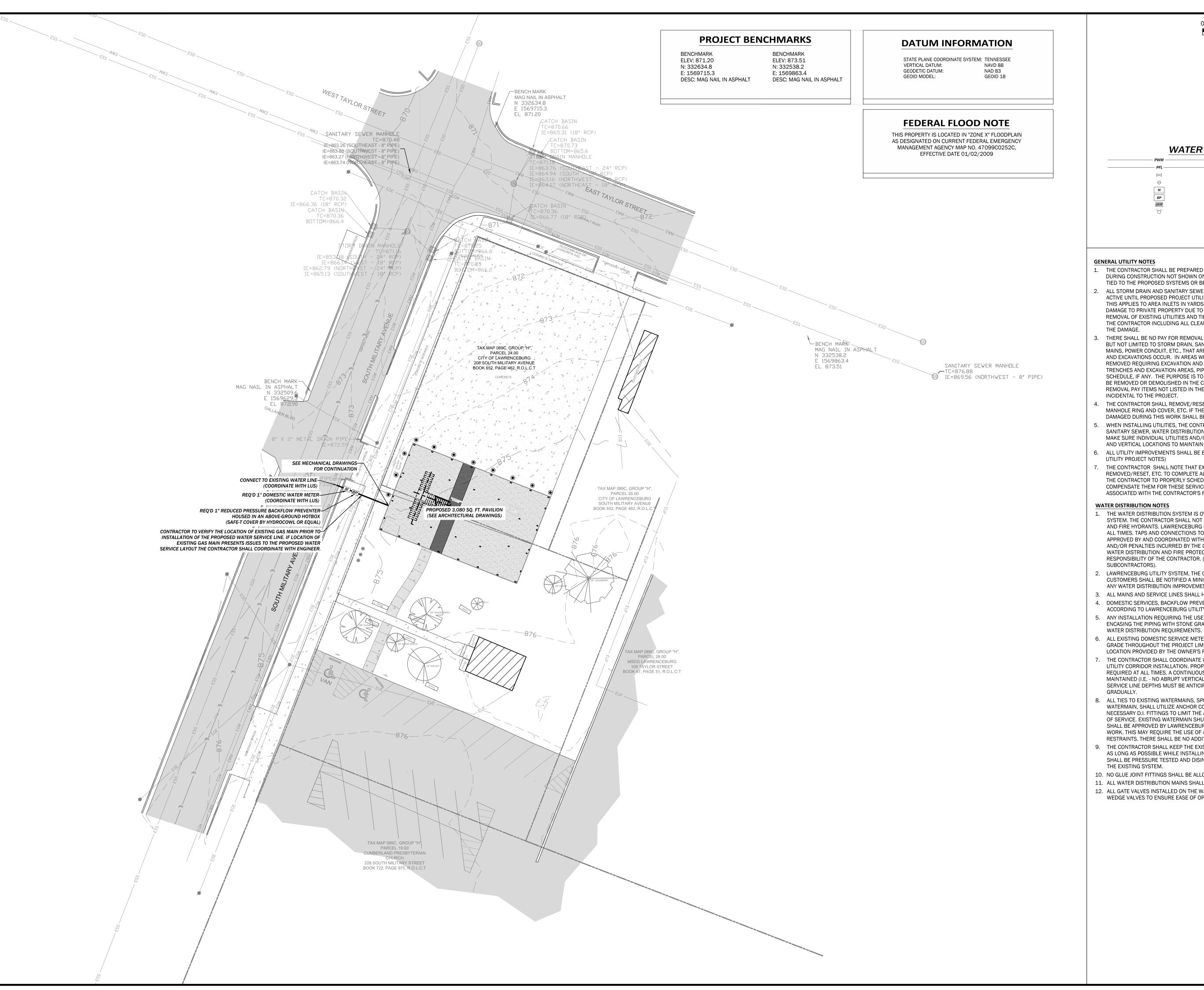


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#### WATER LEGEND

	WAIER LEGEND
PWM	REQ'D WATER MAIN
PFL -	REQ'D FIRE LINE
$\bowtie$	REQ'D WATER VALVE
$\ominus$	REQ'D FIRE HYDRANT
M	REQ'D WATER METER
BP	REQ'D REDUCED PRESSURE BACKFLOW PREVENTER
IRR	REQ'D IRRIGATION METER
8	REQ'D POST MOUNTED SIAMESE CONNECTION

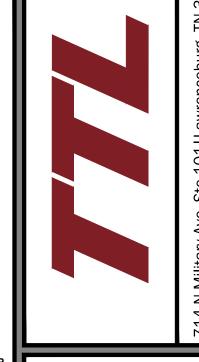
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#### **GENERAL UTILITY NOTES**

- 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
- 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.
- 6. 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

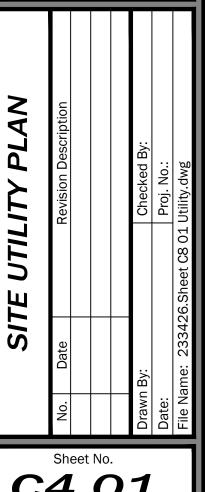
- 1. THE WATER DISTRIBUTION SYSTEM IS OWNED AND OPERATED BY LAWRENCEBURG UTILITY SYSTEM. THE CONTRACTOR SHALL NOT AT ANY TIME TURN ON/OFF EXISTING WATER VALVES AND FIRE HYDRANTS. LAWRENCEBURG UTILITY SYSTEM SHALL OPERATE ALL VALVING AT ALL TIMES. TAPS AND CONNECTIONS TO EXISTING MAINS AND SERVICES SHALL 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
- 2. 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.
- 3. ALL MAINS AND SERVICE LINES SHALL HAVE 36" MINIMUM COVER.
- 4. DOMESTIC SERVICES, BACKFLOW PREVENTERS, METERS, ETC. SHALL BE INSTALLED
- ACCORDING TO LAWRENCEBURG UTILITY SYSTEM STANDARDS. 5. ANY INSTALLATION REQUIRING THE USE OF PVC PIPE SHALL INCLUDE BEDDING AND ENCASING THE PIPING WITH STONE GRADATION AS PER THE STANDARD DETAILS AND
- 6. 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.
- 7. 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
- 8. ALL TIES TO EXISTING WATERMAINS, 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.
- 9. 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.
- 10. NO GLUE JOINT FITTINGS SHALL BE ALLOWED ON THE WATER DISTRIBUTION SYSTEM.
- 11. ALL WATER DISTRIBUTION MAINS SHALL HAVE DUCTILE IRON FITTINGS ONLY.
- 12. ALL GATE VALVES INSTALLED ON THE WATER DISTRIBUTION SYSTEM SHALL BE RESILIENT WEDGE VALVES TO ENSURE EASE OF OPERATION AND RELIABILITY.

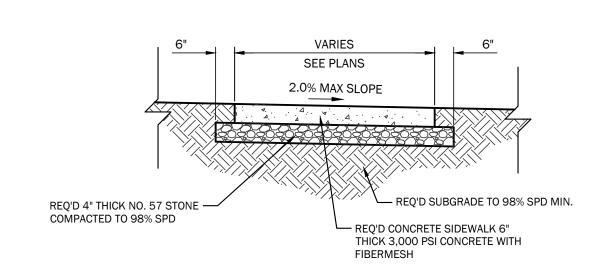


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1. EXPANSION JT. REQ'D. @ 25' MAX. INTERVALS BUT NOT LESS THAN 15' WITH EXPANSION JOINT MATERIAL. 2. CONTRACTION JOINTS SHALL BE HAND-TOOLED ONLY IN LOCATIONS AS INDICATED BY THE SCORING PATTERN

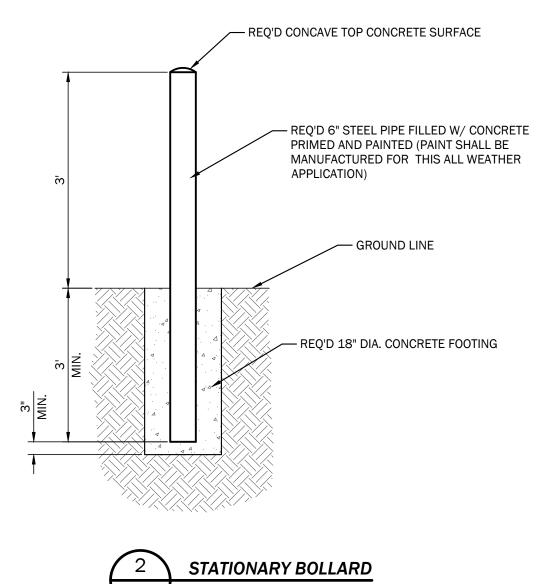
SHOWN IN THE CONSTRUCTION PLANS. JOINTS SHALL BE INSTALLED AT A DEPTH OF 1/4 THICKNESS OF THE SLAB

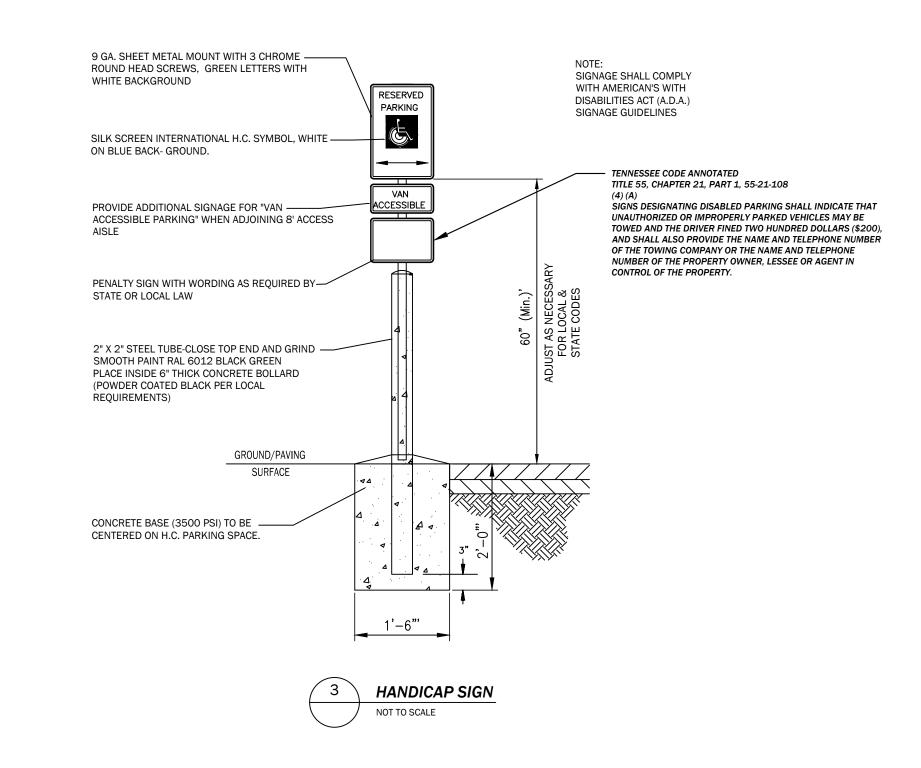
MIN. NO SAW-CUT OF JOINTS IS ALLOWED. 3. SIDEWALKS SHALL HAVE AN EXPANSION JOINT INSTALLED IN ALL LOCATIONS WHERE NEW IMPROVEMENTS MEET

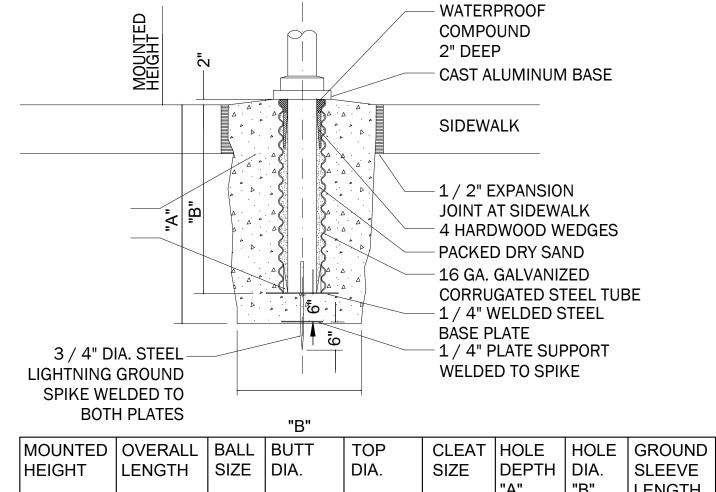
EXISTING INFRASTRUCTURE. 4. SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

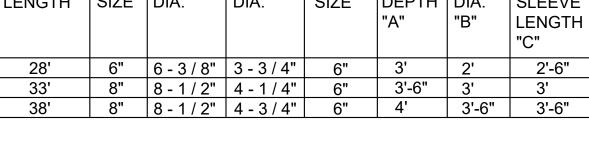
5. ALL STONE SHALL BE MECHANICALLY COMPACTED IN PLACE, NO EXCEPTIONS. 7. EXPANSION JOINT MATERIAL SHALL BE PUSHED DOWN 1/8" FROM TOP OF SIDEWALK.

9. EXPANSION JOINT MATERIAL SHALL BE CONTINUOUS THROUGH THE OVERALL DEPTH OF THE SIDEWALK.

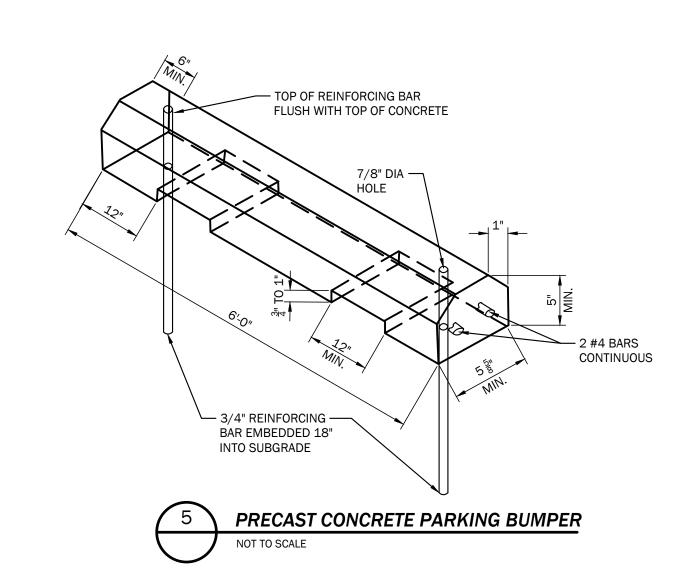










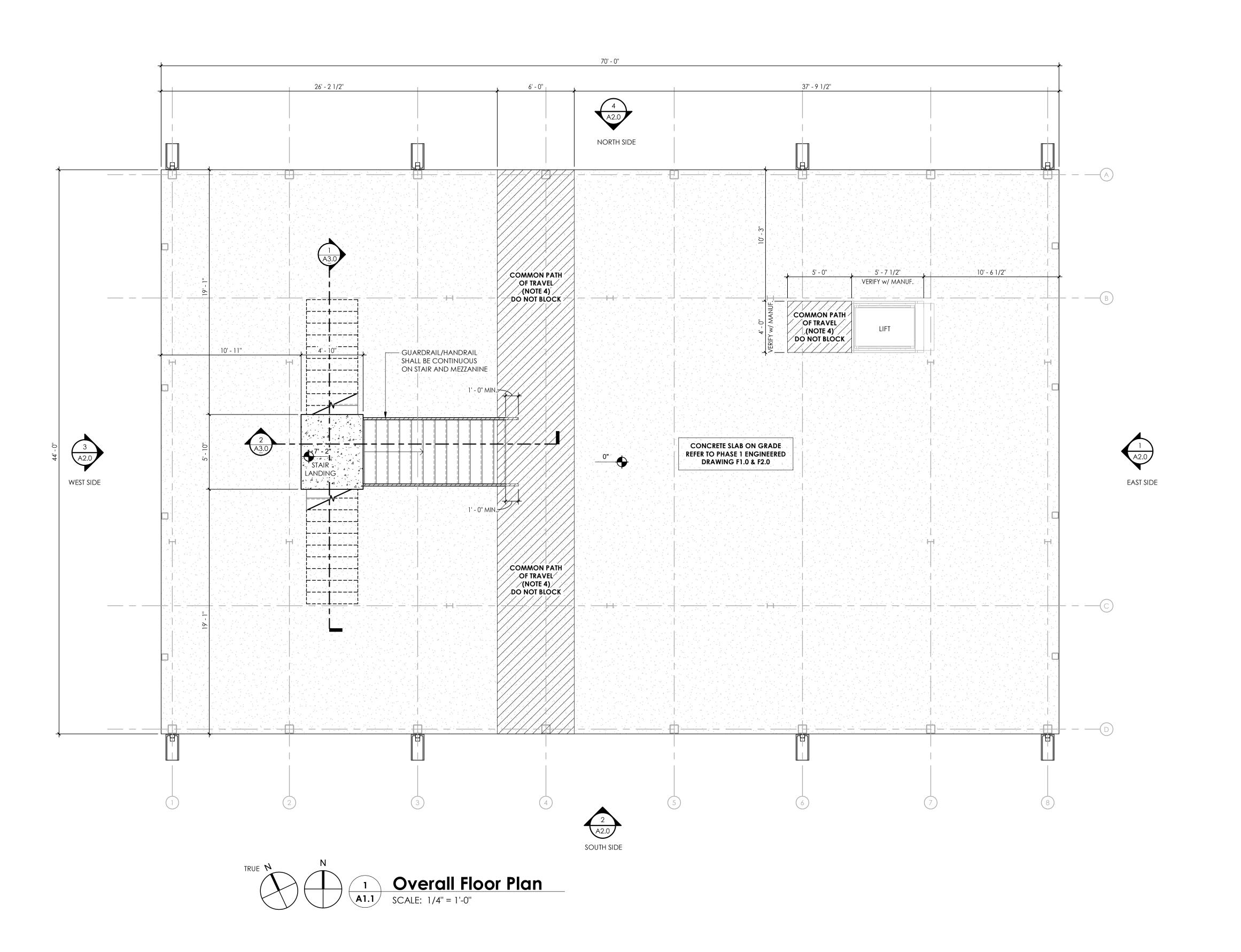




SQUARE 0F **PHASE** 

Sheet No.

C5 01



ASSOCIATES
Architects + Engineers

REVISIONS

| Date | Dat

CONSULTANT

L H

NECTS + ENGINEERS

Www. tlmae.com
LaFayette Street Jackson, Tennessee

TLM ASSOCI,
ARCHITECTS +

PHASE II
LAWRENCEBURG SQUARE PAVILION
SOUTH MILITARY AVENUE
LAWRENCBURG, TENNESSEE

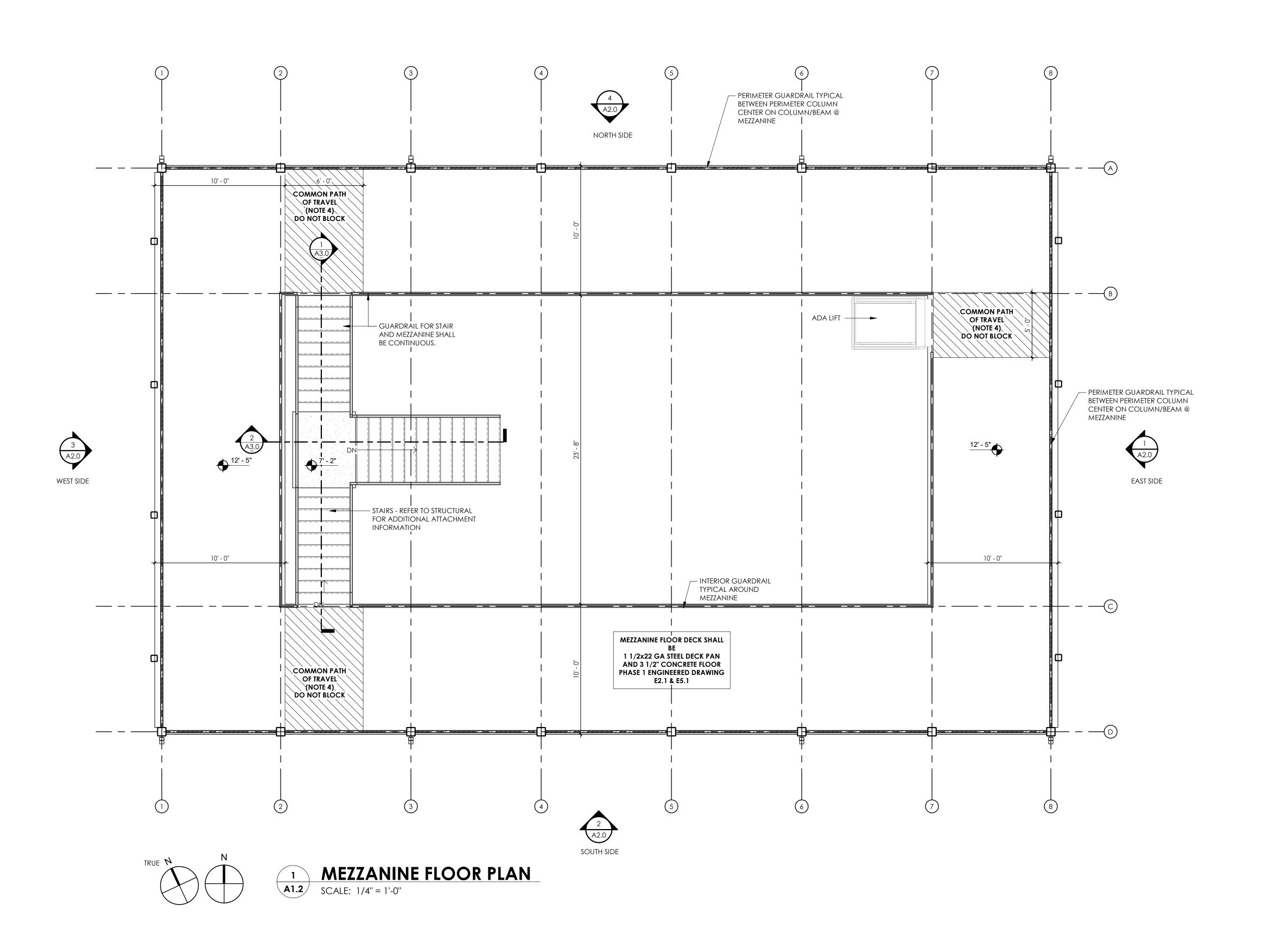
MARCH 25, 2024

BUT NOT LIMITED TO COLUMNS, BEAMS, ETAL BUILDING FABRICATION WITH STEEL BUILDING.

J-7134

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

**A1.**1



Architects + Engineers **REVISIONS** 

CONSULTANT

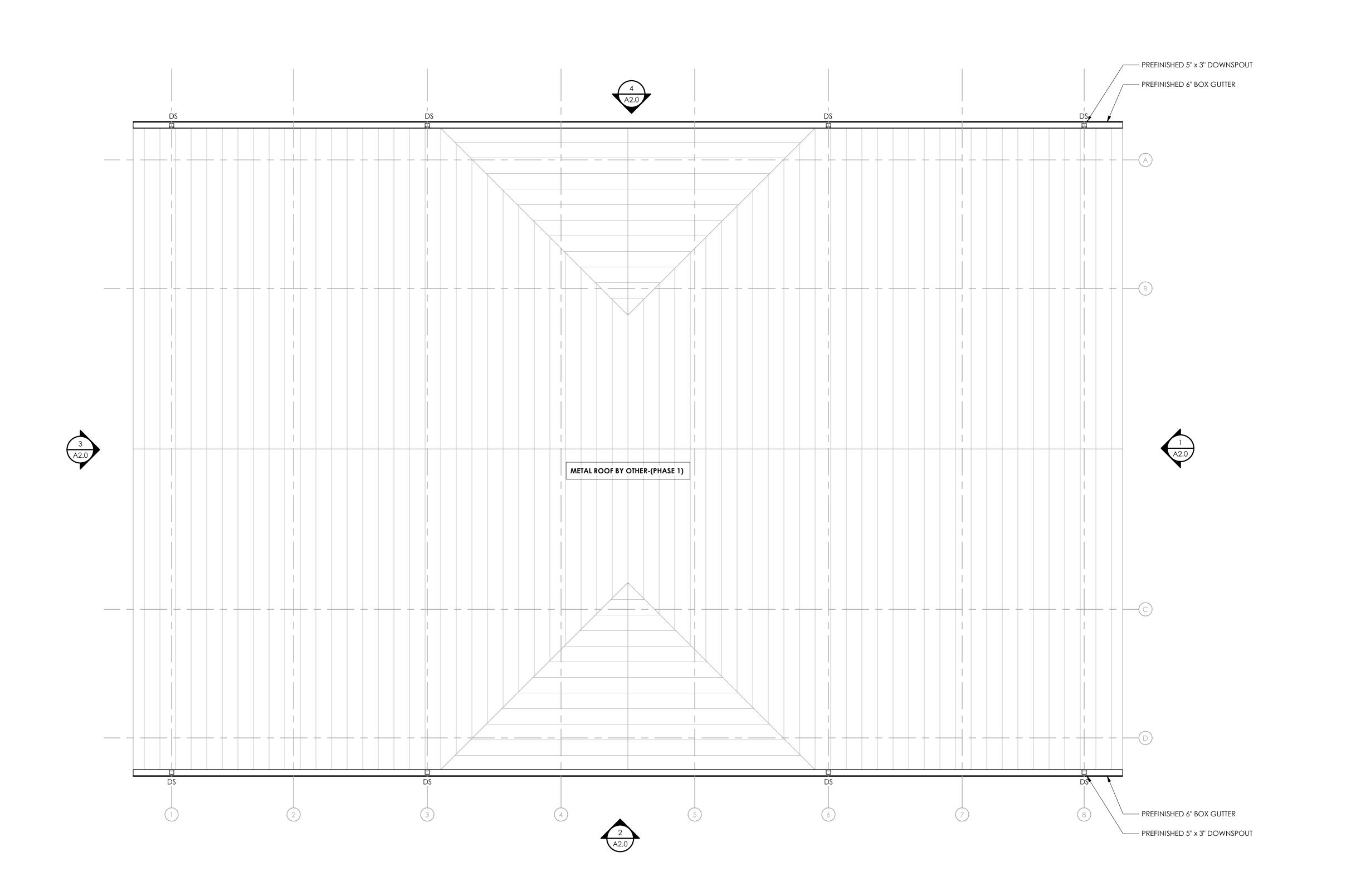
MARCH 25, 2024 STEEL BUILDING (INCLUDING BUT NOT LIMITED TO COLUMNS, BEAMS, TRUSS, JOIST AND ROOF BY METAL BUILDING FABRICATOR (PHASE I).
 COORDINATE DELIVERY AND FABRICATION WITH STEEL BUILDING

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J-7134



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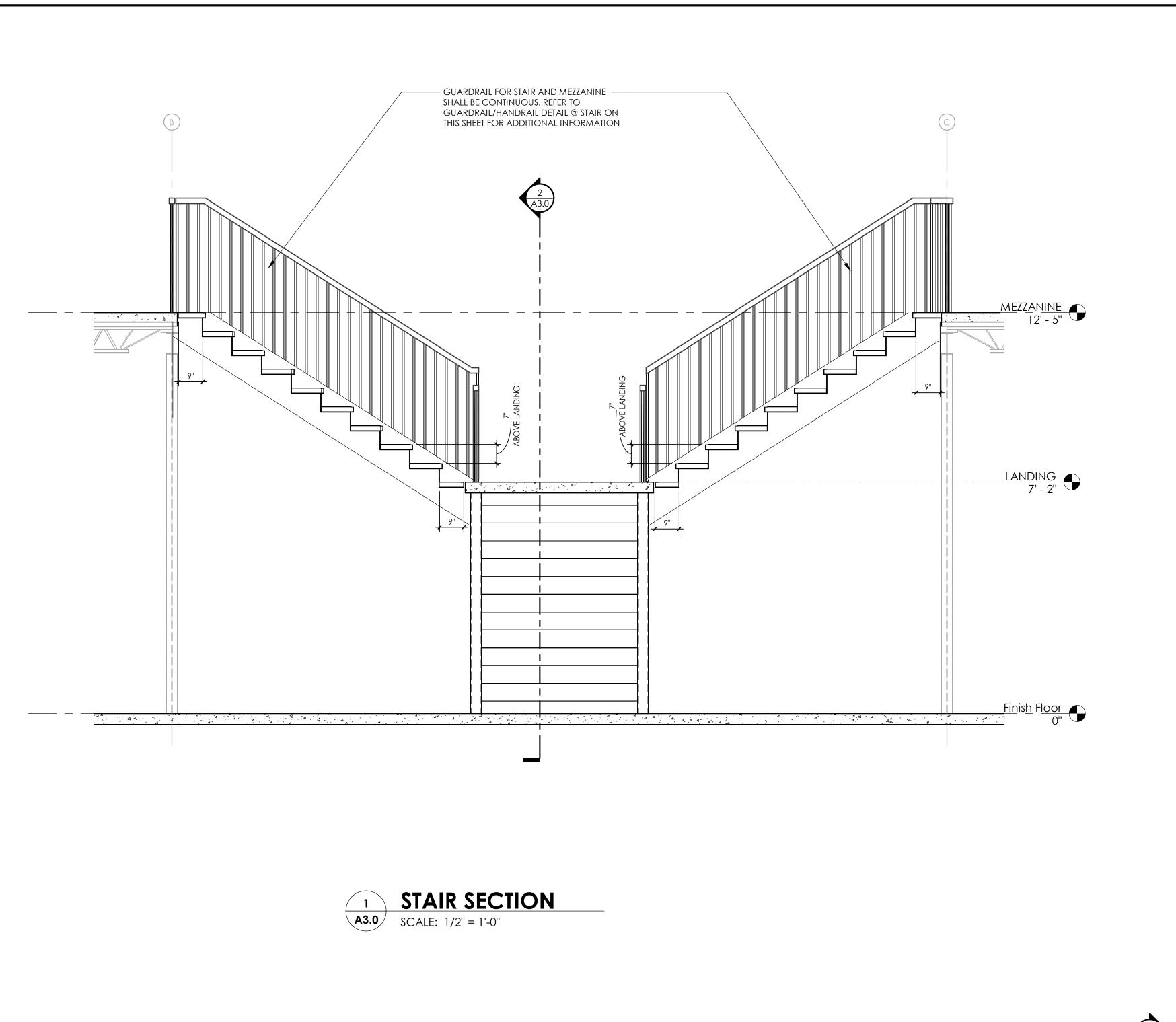


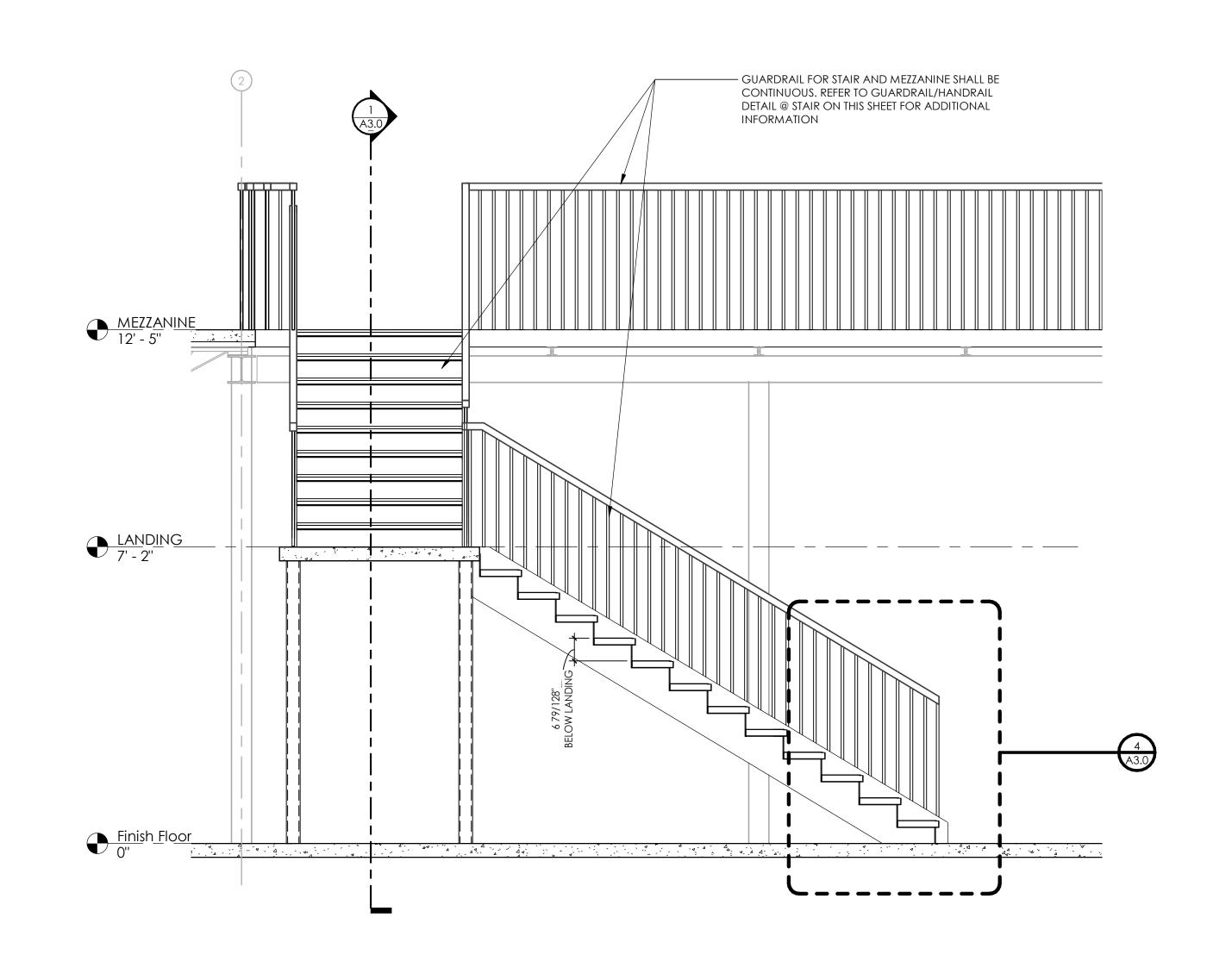
CEBURG SQUARE PAVILION
SOUTH MILITARY AVENUE
LAWRENCBURG, TENNESSEE

MARCH 25, 2024

J-7134
A1.3

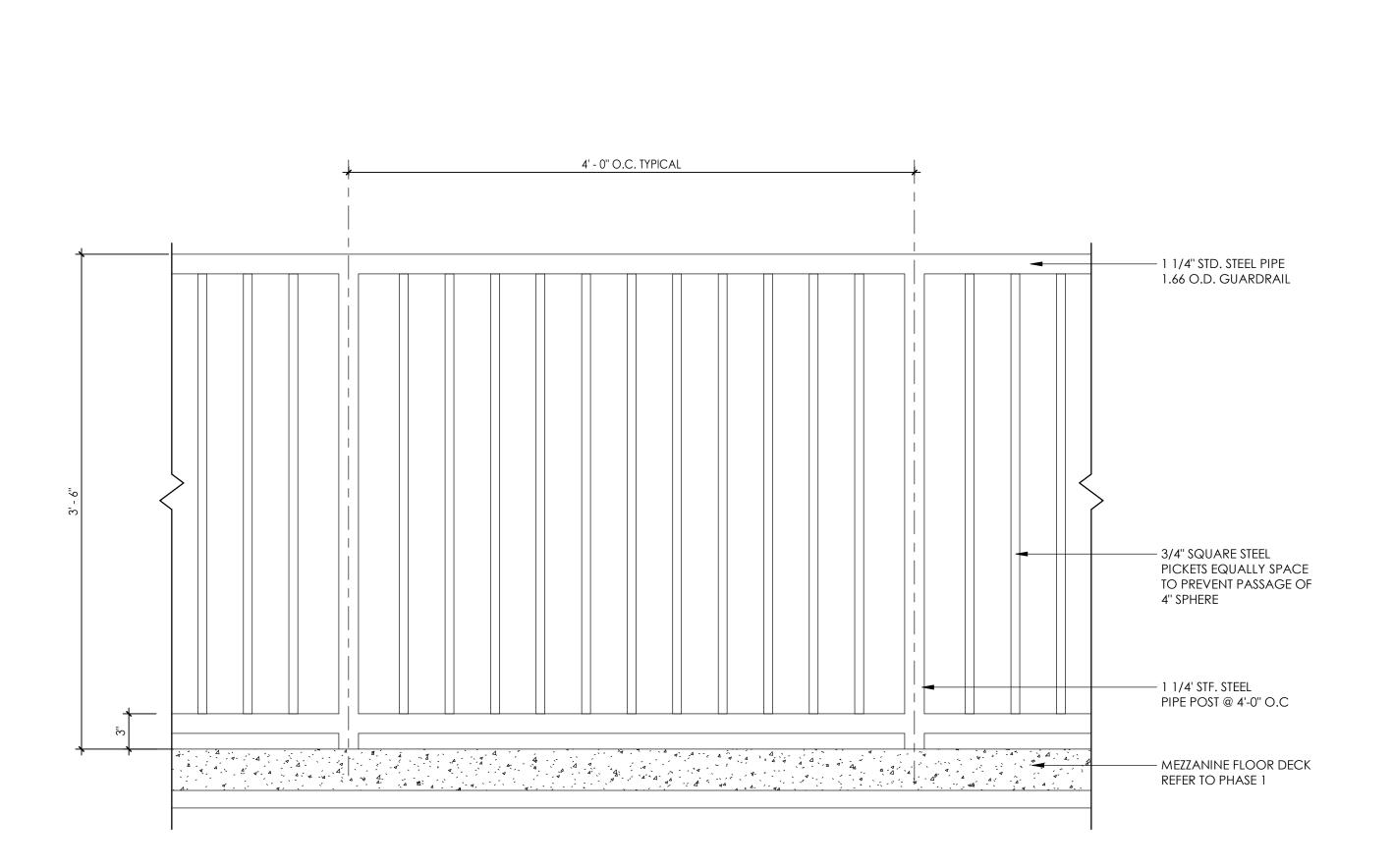


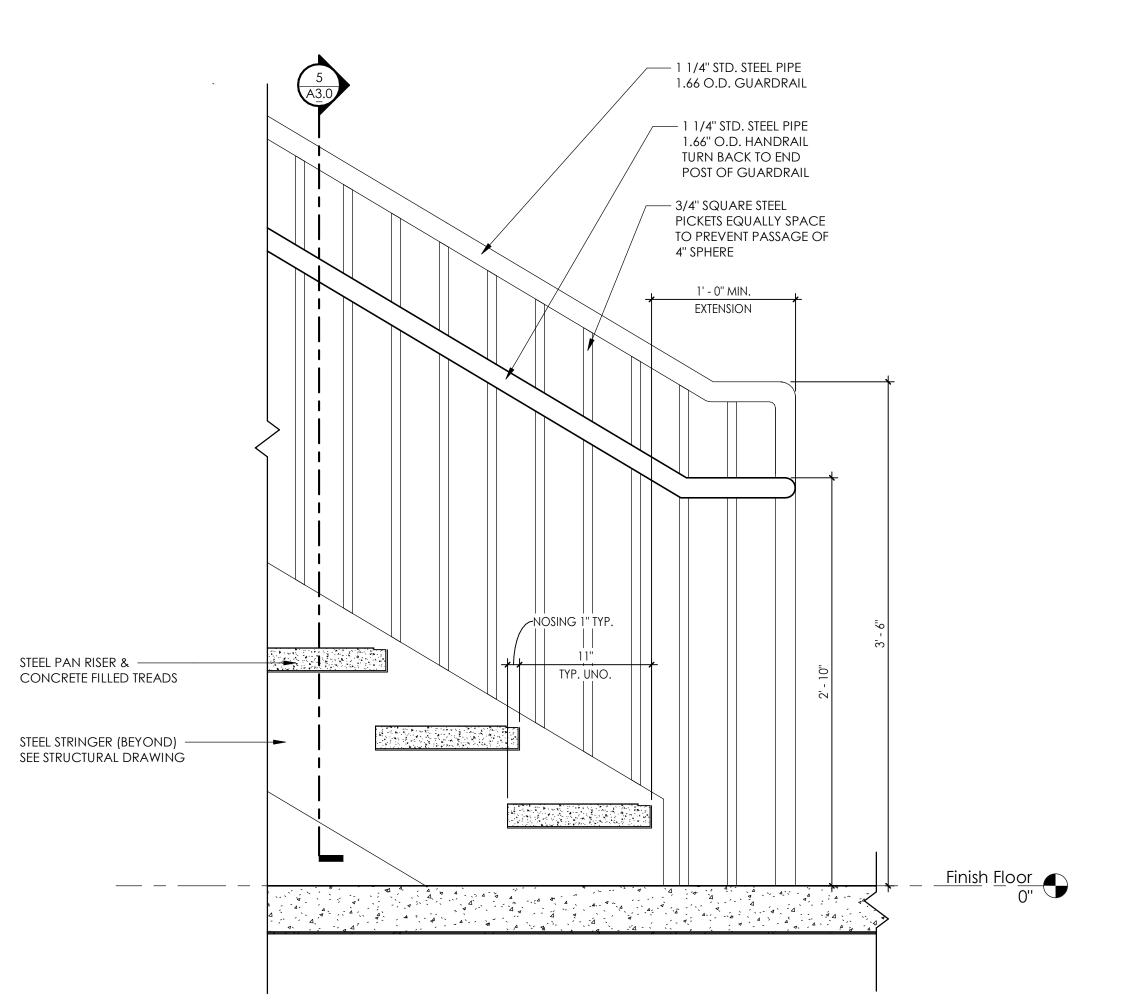


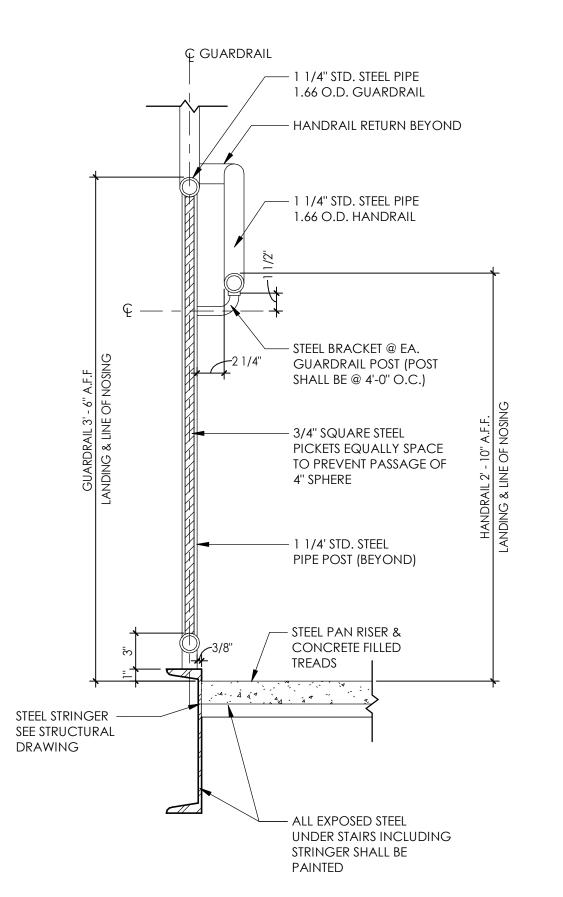


2 STAIR SECTION

A3.0 SCALE: 1/2" = 1'-0"







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

GUARDRAIL/HANDRAIL DETAIL @ STAIR

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

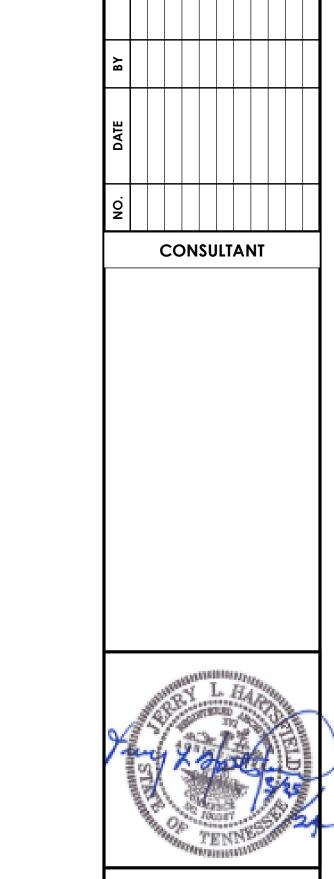
GUARDRAIL/HANDRAIL DETAIL @ STAIR

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

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

MARCH 25, 2024 J-7134

**A3.0** 

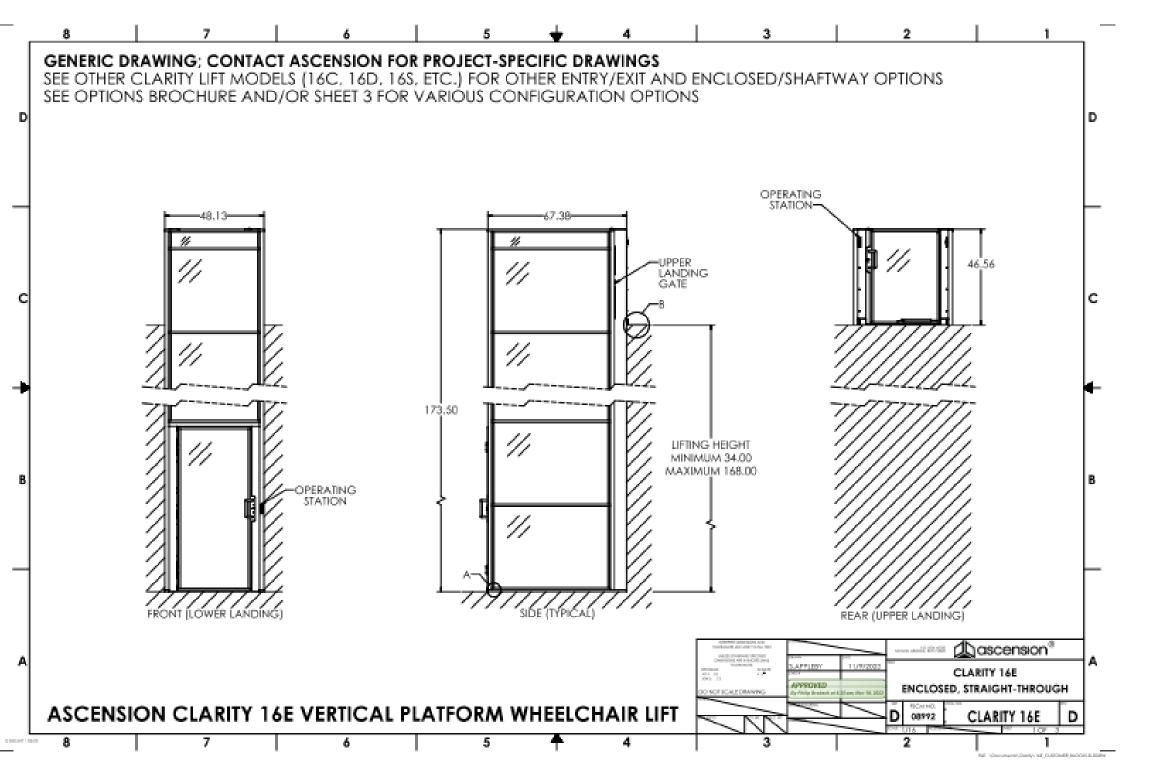


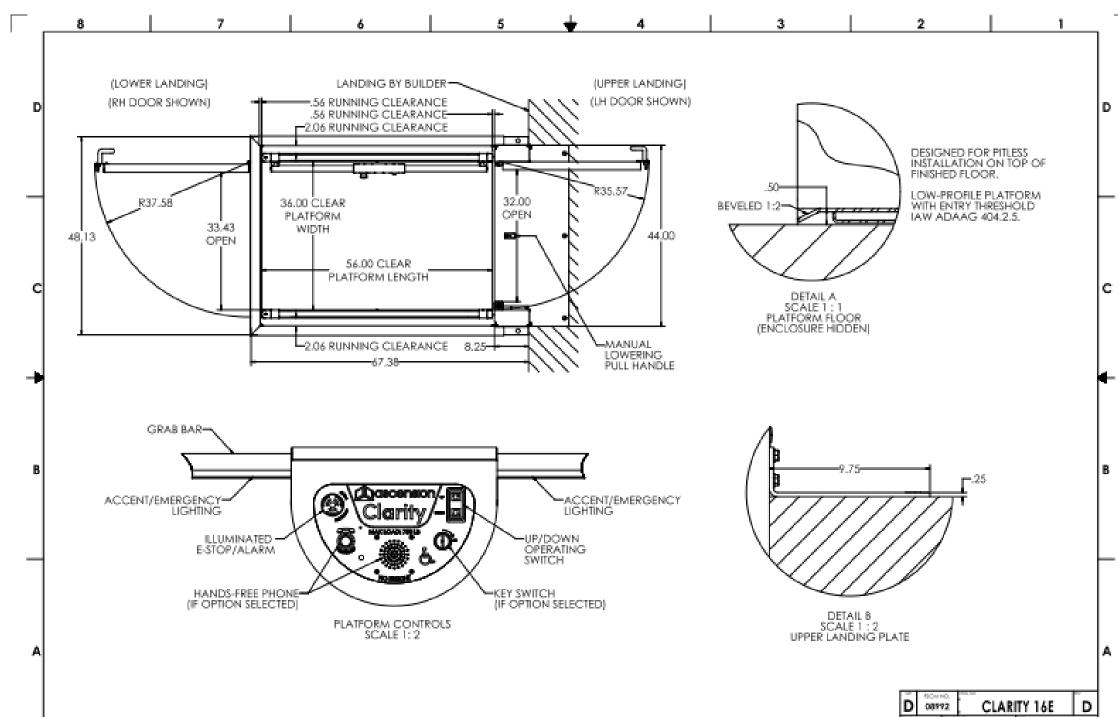
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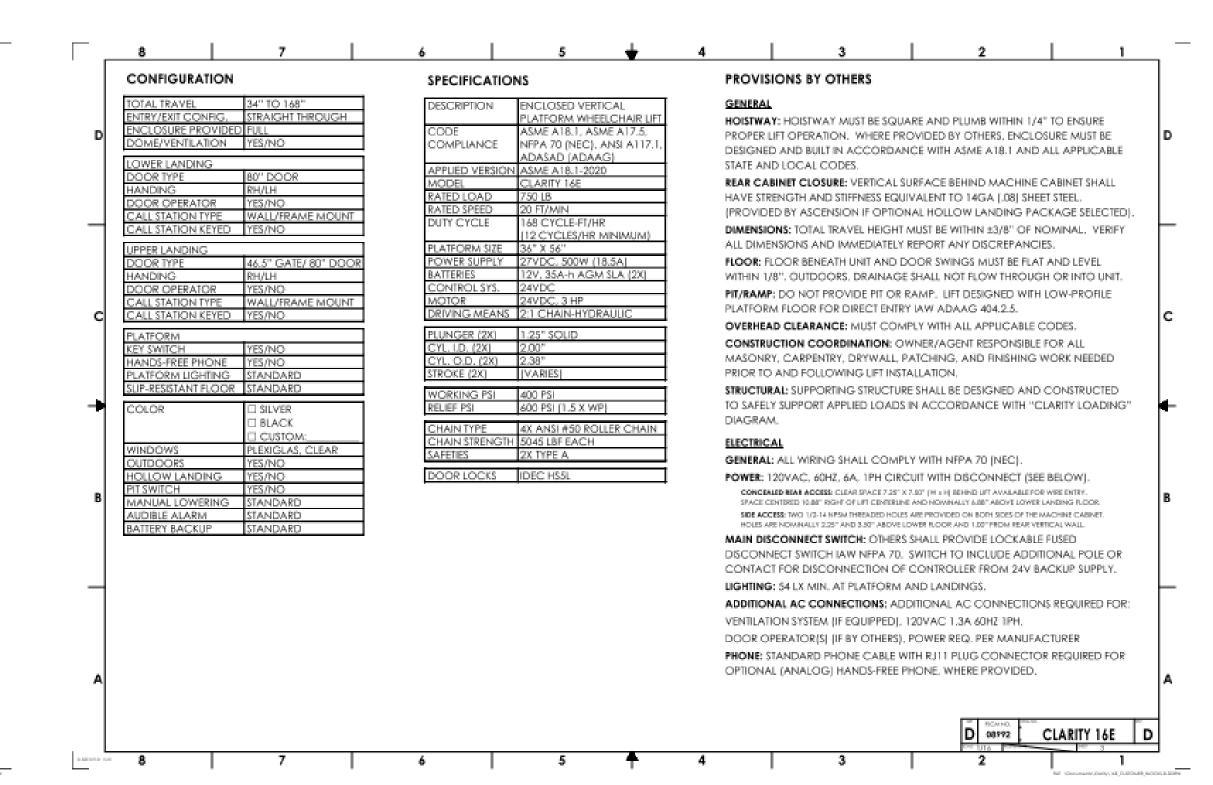
**REVISIONS** 

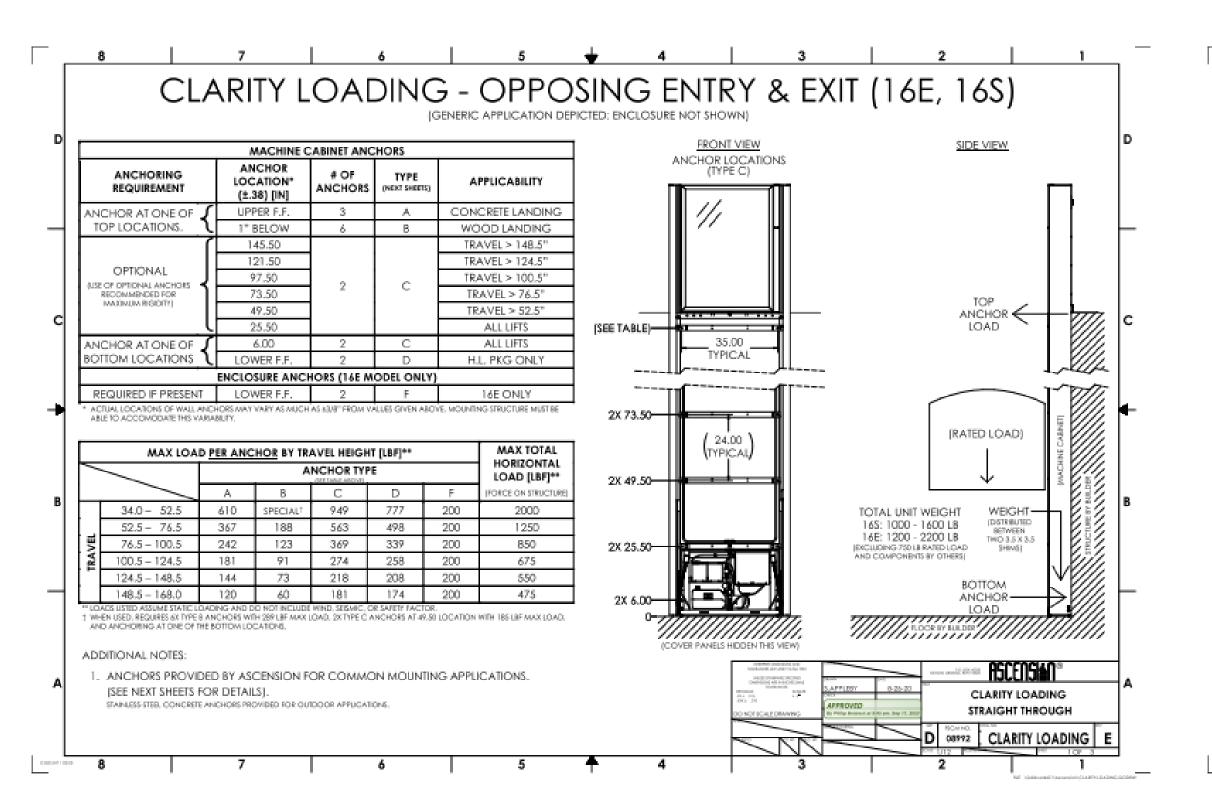
STAIR SECTION AND DETAILS

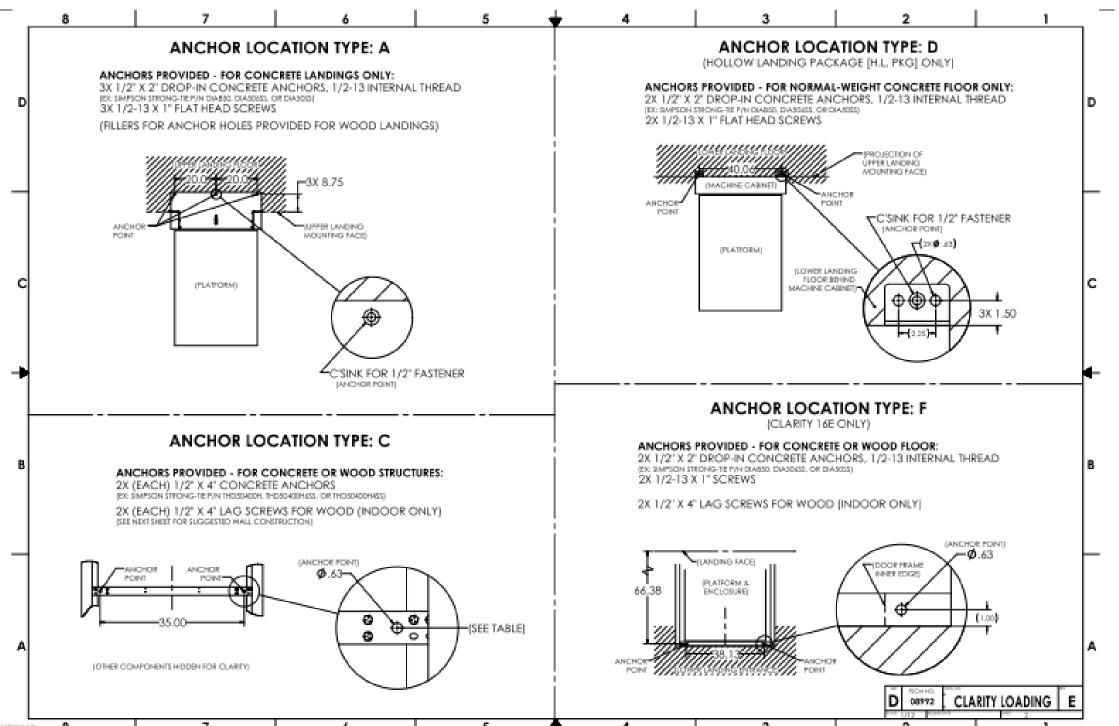
LAWRENCEBUR SOUTH A

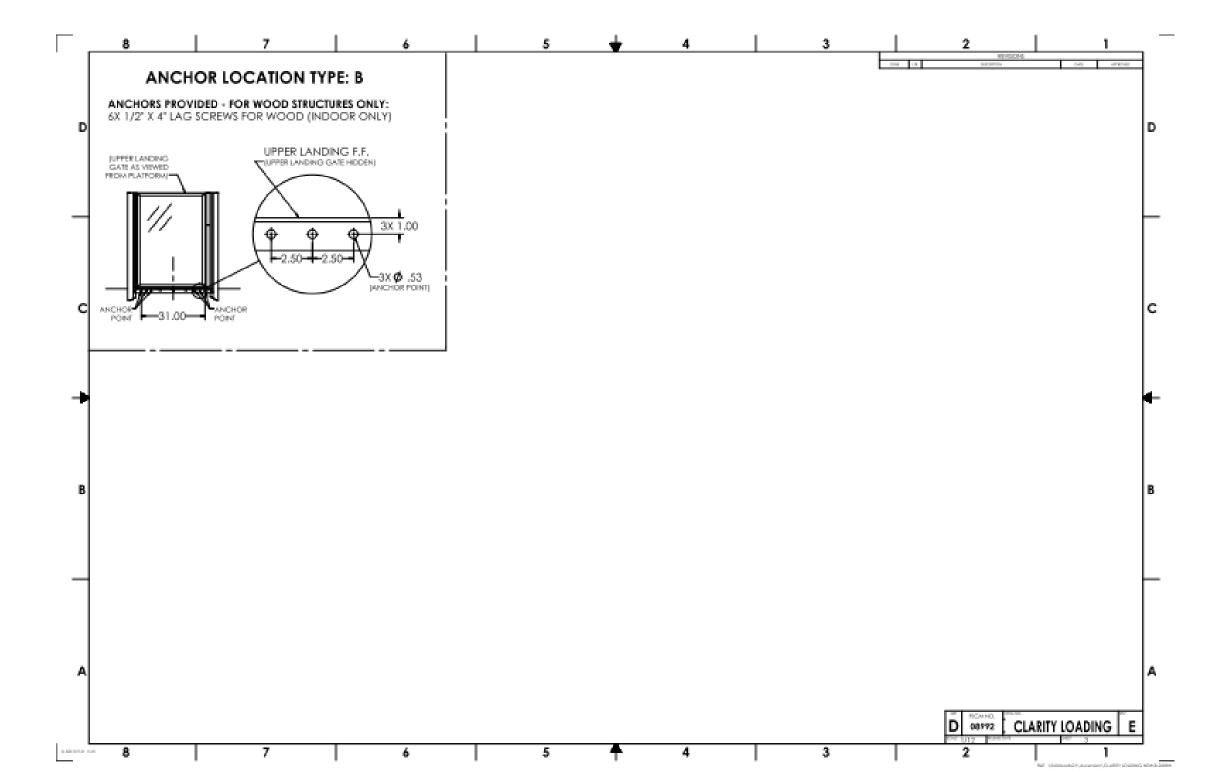


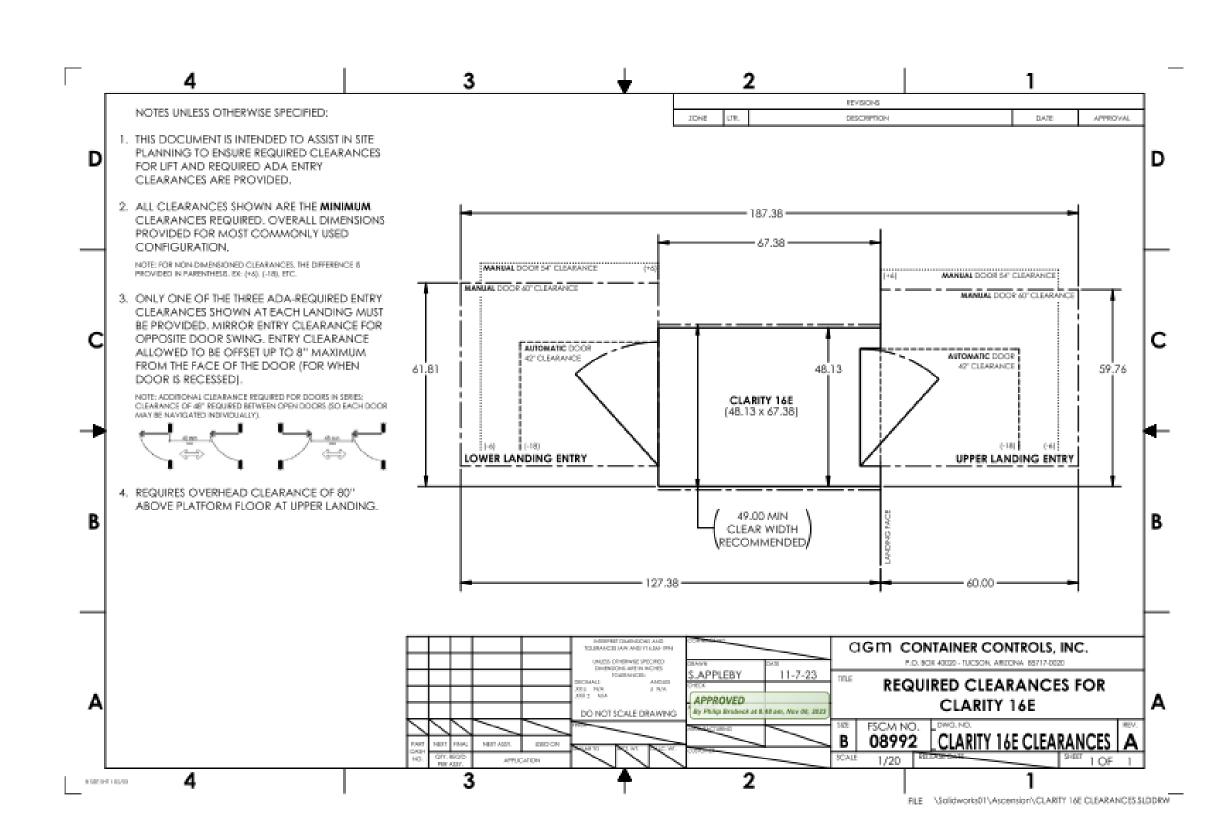












REFERENCE DRAWING

J-7134

WREN

THE METAL BUILDING SUPPLIER SHALL DESIGN THEIR STRUCTURE TO ACCOMMODATE THE LOAD CRITERIA STATED ON THE DRAWINGS. FOLLOW ALL MANUFACTURER REQUIREMENT AND RECOMMENDATIONS FOR INSTALLATION

THE DETAILS ON THIS SHEET ARE FOR BASIS OF DESIGN.

MARCH 25, 2024

**A4.0** 

Architects + Engineers

**REVISIONS** 

CONSULTANT

	ABBREVI	ATIONS			1.0	GENERAL NOTES:
ABOVE FINISH FLOOR	- AFF	KIPS	_	(1000 LBS)	1.1	STRUCTURAL CONSTRUCTION DOCUMENTS CONSIST OF SPECIFICATIONS AND DRAWINGS INCLUDE GENERAL NOTES AND TYPICAL DETAILS IN ADDITION TO P
ADDITIONAL ADJACENT	- ADDN - ADJ	KIPS PER LINEAL FOOT KIPS PER SQUARE INCH	-	KLF KSI		SPECIFIC DETAILS. GENERAL NOTES AND TYPICAL DETAILS DESCRIBE GENERAL ( TO ALL SIMILAR CONDITIONS THROUGHOUT THE PROJECT REGARDLESS OF WH ARE SPECIFICALLY REFERENCED IN THE PLANS OR DETAILS.
AIR CONDITIONING AIR HANDLING	- A/C - AHU	KIPS PER SQUARE FEET	-	KSF	1.2	STRUCTURAL CONSTRUCTION DOCUMENTS MUST BE USED IN CONJUNCTION W
ALTERNATE ANCHOR	- ALT - ANC	LIGHTWEIGHT CONCRETE LIVE LOAD	-	LWT LL		CONSTRUCTION DOCUMENT SET. THE CONTRACTOR MUST COORDINATE THE S' DOCUMENTS WITH THE DOCUMENTS PROVIDED BY OTHER DISCIPLINES (ARCHIT
ANCHOR BOLT AND	- AB - &	LONGITUDINAL LONG LEG HORIZONTAL	-	LONG LLH	1.3	MECHANICAL, PLUMBING, HVAC, AND ELECTRICAL). PLANS, DETAILS & SECTIONS SHALL NOT BE SCALED FOR QUANTITY OR LENGTH.
ANGLE APPROVED	- L - APPRV	LONG LEG VERTICAL LOOSE ANGLE LINTEL	-	LLV LAL	1.4	THE STRUCTURAL SYSTEM WILL ONLY PERFORM AS DESIGNED WHEN THE SYSTEM CONSTRUCTED IN ITS ENTIRETY. THE CONTRACTOR SHALL PROVIDE TEMPORARY
APPROXIMATE ARCHITECTURAL	- APPROX. - ARCH.	MANUFACTURE(R)	-	MFR		CONSTRUCTION THAT MEETS ALL REGULATOR REQUIREMENTS FOR WORKER SAI BRACING SHALL NOT BE REMOVED UNTIL ALL PERMANENT BRACING ELEMENTS
AT (WHEN INDICATING SPACING ONLY)	- @	MASONRY MASONRY OPENING	-	MAS MO	1.5	CONSTRUCTED.  CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO
BACK TO BACK	- B TO B	MATERIAL MAXIMUM	-	MATL MAX		FABRICATION/CONSTRUCTION. NOTIFY STRUCTURAL ENGINEER AND ARCHITEC DISCREPANCIES PRIOR TO FABRICATION/CONSTRUCTION.
BALANCE BASEMENT BASE PLATE	- BAL - BSMT - BSPL	METAL BUILDING  MANUFACTURER ASSOCIATION  MECHANICAL	-	MBMA MECH	1.6	ALL WORKMANSHIP & MATERIAL SHALL MEET ACI, AWS, & AISC STANDARDS.
BEARING	- BSFL - BM - BRG	MEZZANINE MIDDLE	-	MEZZ MID	<b>2.0</b> 2.1	DESIGN CRITERIA:  CODES AND SPECIFICATIONS:
BELOW FINISH FLOOR BETWEEN	- BFF - BTWN	MINIMUM MISCELLANEOUS	-	MIN MISC		2.1.1 GENERAL BUILDING CODE: INTERNATIONAL BUILDING CODE, 2012 EDIT 2.1.2 CONCRETE: BUILDING CODE REQUIREMENTS FOR REINFORCED CONCR
BLACK BLOCKING	- BLK - BLKG	MOMENT MOMENT CONNECTIONS	-	M MC		2.1.3 STRUCTURAL STEEL: SPECIFICATIONS FOR STEEL BUILDINGS, AMERICAN II
BOTTOM BOTTOM CHORD	- BOT - BCX	NEAR FACE - NF NEAR SIDE		NS	2.2	CONSTRUCTION (AISC 360-10) VERTICAL DESIGN LOADS (PSF):
BRICK BRIDGING	- BRK - BRDG	NOMINAL NOT IN CONTRACT	-	NOM NIC		2.2.1 DEAD LOADS: ANY CHANGES IN CONSTRUCTION MATERIALS FROM THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE
BUILDING	- BLDG	NOT TO SCALE NUMBER	-	NTS NO. or #		CONTRACTOR TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF THE CAPACITY OF THE STRUCTURE.
CENTER CENTERLINE	- CTR - CL	ON CENTER	_	ОС		2.2.2 LIVE LOADS:  STAIR 100.0 PSF
CENTER to CENTER	- CTOCOR c/c	OPENING(S)	-	OPNG(S)		HANDRAIL & GUARDS 50 LB/FT
CHANNEL CLEAR OR CLEARANCE	- C - CLR	OPPOSITE OUTSIDE FACE	-	OPP OSF		TOP RAIL (UNINFORM) 200 LB (CONCOUNCE CONCOUNCE LOAD (ANY POINT, ANY DIRECT.) 50 LB ON AR
COLUMN COMPLETE JOINT PENETRATION	- COL - CJP	OUTSIDE DIAMETER OUTSTANDING LEG	-	OD OSL		INTERMEDIATE RAIL (HORIZ LOAD)
COMPRESSION CONCRETE	- COMP - CONC	PARALLEL	-	PAR.	0.0	LATERALLOADS.
CONCRETE MASONRY UNIT CONNECTION(S)	<ul> <li>CMU</li> <li>CONN(S)</li> </ul>	PARTITION(S) PENETRATION	-	PARTN(S) PEN	2.3	LATERAL LOADS:  2.3.1 WIND LOADS: WIND LOADS LISTED UNDER COMPONENTS & CLADDING
CONTINUOUS CONTRACTOR	<ul><li>CONT</li><li>CONTR</li></ul>	PERMANENT PERPENDICULAR	-	PERM PERP		7-10, METHOD 2 – ANALYTICAL PROCEDURE, C & C FOR LOW-RISE BUIL PRESSURES LISTED WERE BASED ON THE BUILDINGS GEOMETRY (LENGTH
CONSTRUCTION CONTROL JOINT	- CONST - CJ	PLATE PLUMBING	-	PL PLBG		ETC.) ALONG WITH THE LISTED DESIGN PARAMETER BASED ON THE EXPO FOR ROOF ZONE & WALL ZONE LOCATIONS & DIMENSIONS, MANUFAC
CORNER COVER PLATE	<ul><li>COR</li><li>COV PL</li></ul>	PNEUMATIC POST-TENSION	-	PNEU PT		CONSTRUCTION MATERIALS SHALL COORDINATE WITH THE PLANS TO D APPLICABLE SECTION OF THE DESIGN GUIDE FOR WHICH THE BUILDING
DEGREE	- DEG OR °	POUNDS POUNDS PER LINEAL FOOT	-	LBS PLF		2.3.2 WIND LOADS:  ULTIMATE WIND SPEED (3 SEC. GUST) 120 MPH
DETAIL DEAD LOAD	- DET - DL	POUNDS PER SQUARE INCH POUNDS PER SQUARE FEET	-	PSI PSF		WIND IMPORTANCE I <sub>W</sub> 1.0
DIAGONAL DIAMETER	- DIAG - DIA OR Ø	POUNDS PER CUBIC YARD PRECAST CONCRETE	-	PCY PC		RISK CATEGORY III  EXPOSURE CATEGORY C
DIMENSION(S) DOVETAIL	- DIM(S) - DVTL	PREFABRICATED PRELIMINARY	-	PREFAB PRELIM		INTERNAL PRESSURE COEFFICIENT (±) 0.0 (OF
DRAWING(S) DOUBLE	- DWG(S) - DBL	PRESSURE INJECTED FOOTING PROJECTION	-	PIF PROJ		2.3.3 SEISMIC LOADS:  0.2 SEC. MAPPED SPECTRAL RESPONSE ACCEL.(Ss) 0.31
DOUBLE EXTRA STRONG DOWEL(S) DOWN	- XXS - DWL(S) - DN	RADIUS REFERENCE	-	RAD REF		1.0 SEC. MAPPED SPECTRAL RESPONSE ACCEL.(S <sub>1</sub> ) 0.14
EACH	- DN - EA	REINFORCED CONC PIPE REINFORCING	-	RCP REINF		SHORT PERIOD SPECTRAL RESPONSE COEFF.(Sds) 0.25  1.0 SEC PERIOD SPECTRAL RESPONSE COEFF.(Sd1) 0.16
EACH FACE EACH WAY	- EF - EW	REQUIRED RISER - RIS ROOF	-	REQD RF		RISK CATEGORY III SITE CLASS C
EDGE OF STEEL ELECTRICAL	- EOS - ELEC	ROOF DRAIN ROOF TOP UNIT	-	RD RTU		SEISMIC DESIGN CATEGORY C
ELEVATION ELEVATOR	- EL - ELEV	ROOM ROUND	-	RM RND		BASIC STRUCTURAL SYSTEM & DESIGN VALUES:
ENGINEER EQUAL	- ENGR - EQ	SCHEDULE	_	SCHED		APPENDAGES AND ORNAMENTATIONS
EQUIPMENT EXISTING	- EQUIP. - EXIST.	SECTION SHEAR	-	SECT V		COMPONENT RESPONSE MODIFICATION COEFF., R <sub>P</sub> 2.50
EXPANSION EXPANSION ANCHOR	- EXP - EXP ANC	SHEET SIMILAR	-	SHT SIM		OVERSTRENGTH FACTOR, $\Omega_0$ 2.50  AMPLIFICATION FACTOR, $\alpha_p$ 2.50
EXPANSION JOINT EXTENSION	- EJ - EXTN	SPACE SPECIFICATION(S)	-	SP SPEC(S)		COMPONENT IMPORTANCE FACTOR, I <sub>p</sub> 1.50
EXTERIOR EXTRA STRONG	- EXT - XS	SPECIFIED SQUARE	-	SPECD SQ		SEIS/
FABRICATOR	- FABR	STANDARD STEEL	-	STD STL		ANALYSIS PROCEDURE  NON CON
FACE TO FACE FAR SIDE	<ul><li>F TO F</li><li>FS FASTENER</li></ul>	STIFFENER STRAIGHT	-	STIFF STR		SEISMIC DESIGN FORCE, F <sub>P</sub> 2.0 (
FIELD VERIFY FINISHED	- FV - FIN.	STIRRUPS STRUCTURE OR STRUCT'L	-	STIR STRUCT	3.0	GEOTECHNICAL NOTES:
FLANGE FLOOR	- FLG - FL	SYMMETRICAL SUPPORT(S)	-	SYM SUPT(S)	3.1	GEOTECHNICAL REPORT: FOUNDATION DESIGN IS BASED ON A GEOTECHNICA ENTITLED PROJECT NO.000230803426.00, DATED 12/18/23. THE GENERAL CONT
FLOOR DRAIN FOOT	- FD - FT	TEMPERATURE	-	TEMP		AWARDED THIS CONTRACT SHALL OBTAIN A COPY OF THE GEOTECHNICAL REIFOLLOW ALL REQUIREMENTS WITHIN THE REPORT.
FOOTING FOUNDATION	- FTG - FDN	TENSION THICK	-	T THK	3.2	FOUNDATION DESIGNED BASED ON THE FOLLOWING PROPERTIES: ALLOWABLE SOIL BEARING PRESSURE
FRAMING	- FRMG	TONGUE AND GROOVE TOP AND BOTTOM	-	T&G T&B		SUBGRADE MODULUS100 PCI
GAGE OR GAUGE GALVANIZED	- GA - GALV	TOP CHORD EXTENSION TOP OF BEAM	-	TCX TOB	<b>4.0</b> 4.1	CONCRETE NOTES:  CONCRETE SHALL MEET THE FOLLOWING REQUIREMENTS IN ACCORDANCE WI
GENERAL GOVERNMENT	- GEN - GOVT	TOP OF FOOTING TOP OF DIST	-	TOF TOJ		DESCRIPTION OF USE STRENGTH AGGREGATE MAX. SLUMP
GRADE GRADE BEAM	- GR - GR BM	TOP OF PIER TOP OF PILE CAP	-	T.O.P. TOPC		EXTERIOR/PERIMETER WALL 3000 NW 3.5
GROUND	- GRD	TOP OF STEEL TOP OF WALL	-	TOS TOW		FOOTINGS 3000 1111 3-5 SLAB ON GRADE, EXTERIOR 3000 NW 2-4
HARD ROCK HEADED STUD(S) HEIGHT	- HD RK - HSA - HT	TREAD TYPICAL	-	TR TYP		NOTES:  1. STRENGTH REFERS TO REQUIRED CYLINDER COMPRESSIVE STRENGTH A
HIGH STRENGTH HOOK	- HS - HK	UNLESS NOTED OTHERWISE	-	UNO		2. "NW" REFERS TO NORMAL WEIGHT CONCRETE (W/ LIMESTONE AGG.)
HORIZONTAL	- HORIZ	VERTICAL	-	VERT		UNIT WEIGHT OF APPROXIMATELY 145 PCF.  3. MAXIMUM WATER-CEMENT RATIOS CAN BE FOUND IN SPECIFICATION
INFORMATION INSIDE DIAMETER	- INFO - ID	WATER PROOFING WATER STOP	-	WPFG WS	4.2	NO CASE SHALL WATER-CEMENT RATIO EXCEED A.C.I. CODE MAXIMU REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. LAP REINFORCING BARS A
INSIDE FACE INTERIOR	- I.F. - INT	WELDED WIRE FABRIC WIND LOAD	-	WWF WL	4.3	"B" TENSION LAP. PLACEMENT AND DETAILING SHALL BE IN ACCORDANCE WITH ALL REINFORCING MARKED CONTINUOUS SHALL BE SPLICED WITH CLASS "B" TE
INTERMEDIATE	- INTM	WINDOW WITH	-	WDW W/	4.4	UNLESS NOTED OTHERWISE.  REINFORCING STEEL SHOWN IN SECTIONS IS SCHEMATIC INDICATIONS THAT RE
JOINT JOIST(S)	- JT - JST(S)	WITHOUT WOOD	-	W/O WD		SCHEDULES, SECTION NOTES AND GENERAL NOTES FOR ACTUAL REINFORCING
JOIST GIRDER	- JG	WORK POINT WEIGHT	-	WP WT	4.5	WELDED WIRE FABRIC (WWF): ASTM A 1064, MINIMUM LAP AND EMBEDMENT TO ONE CROSS WIRE SPACING PLUS 2 INCHES OR 6 INCHES. SHEET TYPE WWM (NO
					4.6	USED. REINFORCING BAR PLACING ACCESSORIES IN ACCORDANCE WITH ACI MANU
						PRACTICE. WHERE CONCRETE IS EXPOSED IN FINISHED BUILDING, PROVIDE ACPROOF LEGS.
					4.7	PEDESTAL AND WALL VERTICAL REINFORCING: DOWEL TO FOUNDATION WITH SAME SIZE AND SPACING AS VERTICAL REINFORCING.
					4.8	ALL LAPS OF VERTICAL AND HORIZONTAL REINFORCING BARS SHALL HAVE A MBAR DIAMETERS AND THE LAPS SHALL BE SECURELY TIED WITH WIRE BEFORE CO
					4.9	OVER THE SPLICE.  CORNER BARS SHALL BE PROVIDED AT ALL INTERSECTIONS OF FOOTINGS AND
					4.10	SHALL LAP HORIZONTAL STEEL A MINIMUM OF 48 BAR DIAMETERS.
					4.11	

**GENERAL NOTES:** 

STRUCTURAL CONSTRUCTION DOCUMENTS CONSIST OF SPECIFICATIONS AND DRAWINGS. 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.

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. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO

FABRICATION/CONSTRUCTION. NOTIFY STRUCTURAL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES PRIOR TO FABRICATION/CONSTRUCTION.

#### 2.0 DESIGN CRITERIA:

- 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
- 2.2 VERTICAL DESIGN LOADS (PSF): 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 (UNINFORM)	200 LB (CONC.)
		CONC. LOAD (ANY POINT, ANY DIRECT.)	50 LB ON AREA EQUAL TO 1
		INTERMEDIATE RAIL (HORIZ LOAD)	SF

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 DESIGNATED.

ULTIMATE WIND SPEED (3 SEC. GUST)	120 MPH
WIND IMPORTANCE I <sub>W</sub>	1.0
RISK CATEGORY	III
EXPOSURE CATEGORY	С
INTERNAL PRESSURE COEFFICIENT	(±) 0.0 (OPEN)

0.2 SEC. MAPPED SPECTRAL RESPONSE ACCEL.(Ss)	0.312
1.0 SEC. MAPPED SPECTRAL RESPONSE ACCEL.(\$1)	0.149
SHORT PERIOD SPECTRAL RESPONSE COEFF. (Sds)	0.25
1.0 SEC PERIOD SPECTRAL RESPONSE COEFF.(Sd1)	0.164
RISK CATEGORY	III
SITE CLASS	С
SEISMIC DESIGN CATEGORY	С

BASIC STRUCTURAL SYSTEM & DESIGN VALUES:	
APPENDAGES AND ORNAMENTATIONS	
COMPONENT RESPONSE MODIFICATION COEFF., $\boldsymbol{R}_{_{\mathrm{P}}}$	2.50
OVERSTRENGTH FACTOR, $\Omega_0$	2.50
AMPLIFICATION FACTOR, $a_{_{\rm P}}$	2.50
COMPONENT IMPORTANCE FACTOR, I,	1.50
ANALYSIS PROCEDURE	SEISMIC DESIGN REQUIREMENTS FOR NONSTRUCTURAL COMPONENTS
SEISMIC DESIGN FORCE, F <sub>P</sub>	2.0 (KIPS)

GEOTECHNICAL REPORT: FOUNDATION DESIGN IS BASED ON A GEOTECHNICAL REPORT BY TTL, 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 REPORT.

CONCRETE SHALL MEET THE FOLLOWING REQUIREMENTS IN ACCORDANCE WITH ITS USE:						
	DESCRIPTION OF USE	STRENGTH (PSI)	AGGREGATE TYPE	MAX. SLUMP (IN.)	AIR CONTENT	

DESCRIPTION OF USE	(PSI)	TYPE	(IN.)	(%)		
EXTERIOR/PERIMETER WALL FOOTINGS	3000	NW	3-5	3-6		
SLAB ON GRADE, EXTERIOR	3000	NW	2-4	3-6		
NOTES:						
1 CTDENICTH DEFERS TO DECLIDED COUNDED CONADDESSIVE STRENICTH AT 00 DAVS						

- 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. 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. ALL REINFORCING MARKED CONTINUOUS SHALL BE SPLICED WITH CLASS "B" TENSION LAP SPLICE, UNLESS NOTED OTHERWISE.
- 4.4 REINFORCING STEEL SHOWN IN SECTIONS IS SCHEMATIC INDICATIONS THAT REINFORCING EXIST. SEE SCHEDULES, SECTION NOTES AND GENERAL NOTES FOR ACTUAL REINFORCING. WELDED WIRE FABRIC (WWF): ASTM A1064, MINIMUM LAP AND EMBEDMENT TO BE THE GREATER OF
- REINFORCING BAR PLACING ACCESSORIES IN ACCORDANCE WITH ACI MANUAL OF STANDARD PRACTICE. WHERE CONCRETE IS EXPOSED IN FINISHED BUILDING, PROVIDE ACCESSORIES WITH RUST

ONE CROSS WIRE SPACING PLUS 2 INCHES OR 6 INCHES. SHEET TYPE WWM (NOT ROLLED) SHALL BE

- 4.7 PEDESTAL AND WALL VERTICAL REINFORCING: DOWEL TO FOUNDATION WITH HOOKED BARS OF SAME SIZE AND SPACING AS VERTICAL REINFORCING. ALL LAPS OF VERTICAL AND HORIZONTAL REINFORCING BARS SHALL HAVE A MINIMUM LENGTH OF 48
- BAR DIAMETERS AND THE LAPS SHALL BE SECURELY TIED WITH WIRE BEFORE CONCRETE IS POURED OVER THE SPLICE. 4.9 CORNER BARS SHALL BE PROVIDED AT ALL INTERSECTIONS OF FOOTINGS AND WALLS. CORNER BARS SHALL LAP HORIZONTAL STEEL A MINIMUM OF 48 BAR DIAMETERS.
- 4.10 CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS. 4.11 ALL CONCRETE WORK (INCLUDING SLABS) SHALL BE RECONSOLIDATED BY MEANS OF MECHANICAL VIBRATIONS @ TIME OF PLACEMENT. CONTRACTOR SHALL COMPLY W/ EQUIPMENT MANUF.
- SPECIFICATIONS. 4.12 ALL CONCRETE SHALL RECEIVE CURING AND SEALING COMPOUND PER SPECIFICATIONS. 4.13 ALL EXPANSION AND SAW CUT CONTROL JOINTS SHALL RECEIVE ELASTOMERIC POLYURETHANE
- 4.14 RUB ALL EXPOSED TO VIEW CONCRETE ON FOUNDATION WALLS AND GRADE BEAMS
- 4.15 ALL CONSTRUCTION (I.E. FOUNDATION WALLS, STRUCTURAL STEEL, ETC...) SHALL BE BRACED TO RESIST
- APPLIED LOADS UNTIL THE STRUCTURE IS COMPLETE. 4.16 CONSTRUCTION JOINTS SHALL BE MADE AND LOCATED SO AS TO LEAST IMPAIR THE STRENGTH OF THE
- STRUCTURE AND SHALL BE APPROVED BY THE ENGINEER. JOINTS SHALL BE PERPENDICULAR TO THE MAIN REINFORCEMENT. CONTINUE ALL REINFORCEMENT ACROSS CONSTRUCTION JOINTS IN
- 4.17 CONCRETE COVER: THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING BARS:
  - 4.17.1 CONCRETE CAST AGAINST & PERMANENTLY EXPOSED TO EARTH 3 INCHES.
  - 4.17.2 CONCRETE FORMED AND EXPOSED TO EARTH AND WEATHER: 4.17.2.1 #6 THRU #18 BARS – 2 INCHES.
  - 4.17.2.2 #5 BARS AND SMALLER 1 1/2 INCHES.
- 4.17.3 CONCRETE NOT EXPOSED TO EARTH AND WEATHER: 4.17.3.1 SLABS, WALLS, AND JOINTS – 3/4 INCH 4.17.3.2 BEAMS AND COLUMNS – 1 1/2 INCHES
- 4.18 A MINIMUM OF 6 TEST CYLINDERS WILL BE TAKEN FROM EACH DAY OF CONCRETE PLACEMENT OR ONE FOR EACH 100 CU. YD. CONCRETE PLACED AND WILL BE MARKED FOR IDENTIFICATION, TO BE TESTED AT SEVEN DAYS FOR INFORMATION AND THREE TO BE TESTED AT 28 DAYS FOR ACCEPTANCE. ONE TO BE HELD IN RESERVE FOR FUTURE TESTING IF REQUIRED.

5.0 STRUCTURAL STEEL NOTES:

5.1 STEEL SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS UNLESS NOTED OTHERWISE ON THE

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 F436, 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 LINTEL. REQUIRED LINTEL 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.
- 2.2.1 DEAD LOADS: ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE 5.7 ALL BEAM TO STEEL TUBE COLUMN CONNECTIONS SHALL BE SINGLE PLATE CONNECTIONS AS SHOWN ON \$1 SERIES SHEETS. ALL BEAM TO BEAM AND BEAM TO WIDE FLANGE COLUMN CONNECTIONS SHALL BE TYPE II DOUBLE ANGLE CONNECTIONS DESIGNED FOR ½ 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.

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

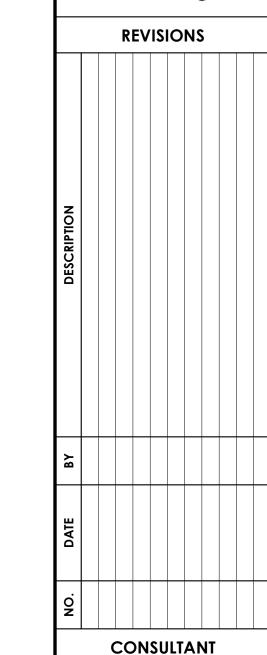
#### 6.0 METAL DECK NOTES:

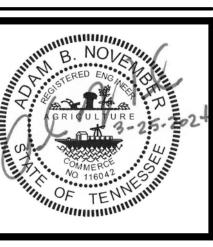
- DECK PROPERTIES AND ATTACHMENTS SHALL BE IN ACCORDANCE WITH THE DECK INSTITUTE. 6.2 DECK SHALL BE CONTINUED OVER THREE OR MORE SPANS.
- 6.3 LIGHT GAUGE METAL FRAMING, SUSPENDED CEILING, LIGHT FIXTURES AND DUCTS OR OTHER UTILITIES
- SHALL NOT BE SUPPORTED BY THE METAL ROOF DECK.

6.4	METAL D	DECK: M	ETAL DECK	Shall be	PROVID	DED AND	) AS IND	ICATED I	N THE FC	LLOWING TA	ABLE:
METAL DECK MARK	DEPTH (IN.)	DECK TYPE	THK. (GAUGE)	lp (MIN) IN⁴/FT	In (MIN) IN⁴/FT	Sp (MIN) IN <sup>3</sup> /FT	Sn (MIN) IN³/FT	Fy (MIN) KSI	FINISH	FASTENER LAYOUT	NUMBER OF SIDE LAP FASTENERS PER SPAN
Α	0.6	С	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: G – GALVANIZED WITH G-90 COATING
- SP SHOP PRIMED
- SP/FP SHOP PRIMED, FIELD PAINTED PER ARCHITECTURAL 3. Steel deck shall be fastened to steel supporting members with 5/8" diameter puddle welds
- W/ SPECIFIED PATTERN. PROVIDE WELDING WASHERS AS RECOMMENDED BY THE DECK MANUFACTURER.
- 4. MECHANICALLY FASTEN SIDE LAPS OF ADJACENT DECK UNITS BETWEEN SUPPORTS WITH THE MINIMUM NUMBER OF #10 TEK SCREWS SPECIFIED PER SPAN.

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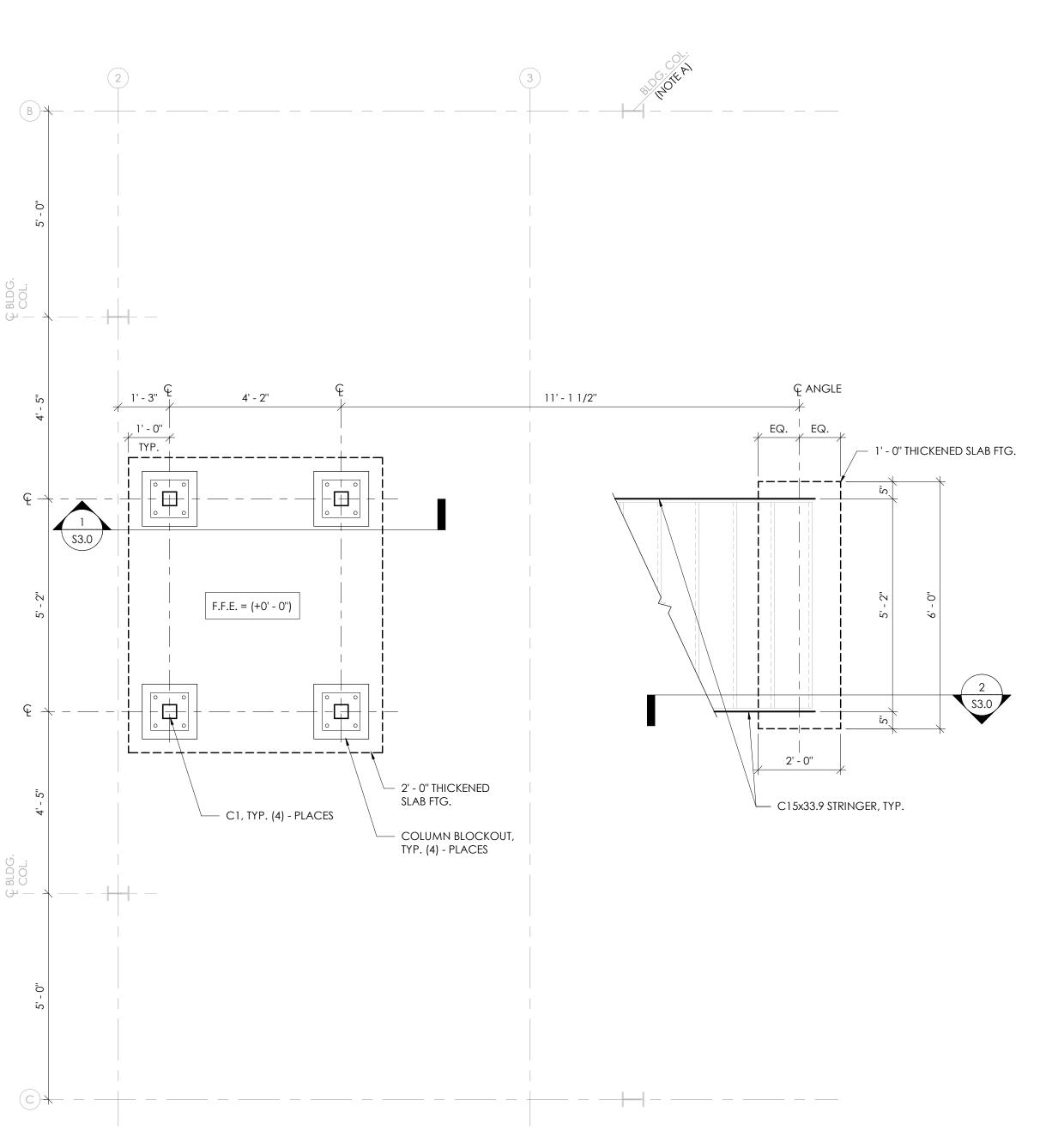


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## ENLARGED FOUNDATION PLAN 1/2" = 1'-0"

HSS4X4X3/8 BP-1 3/4" x 11" x 0'-11"

FINISH FLOOR REFERENCE ELEVATION, F.F.E. = 0' - 0". (REFERENCE DRAWINGS INDICATE TOP OF SLAB: 100' - 0") ELEVATIONS SHOWN WITH A PLUS SIGN (+) INDICATE ELEVATIONS ABOVE REFERENCE ELEVATION (0' - 0"). ELEVATIONS SHOWN WITH A MINUS SIGN (-) INDICATE ELEVATIONS BELOW REFERENCE ELEVATIONS (0' - 0")

COLUMN AND BASE PLATE SCHEDULE

3/4" 12" AB-1 F1554, GR.36

COLUMN-TO-BASEPLATE WELDS

REMARKS

REFER TO GEOTECHNICAL REPORT PREPARED BY TTL, INC. FOR SITE PREPARATION, OVER-EXCAVATION AND BACKFILL PROCEDURES, AND ALL OTHER GEOTECHNICAL RECOMMENDATIONS NOT MENTIONED.

F.F.E. FINISHED FLOOR ELEVATION C# COLUMN MARK. REFER TO COLUMN SCHEDULE

COLUMN SIZE DETAIL SIZE (T x W x L) AB NUMBER AB DIA. AB EMBED AB DETAIL AB GRADE

O/O INDICATES OUT TO OUT DIMENSIONS

COLUMNS WITH Fy = 36 KSI. REFER TO AISC J2.4 FOR NON-RIGID FRAME COLUMNS.

GREATER THAN 1-1/4". ROUND ALL EDGE DISTANCES UP TO THE NEAREST 1/4". PLATES MUST HAVE ROLLED OR GAS CUT EDGES.

NOTE D: NON-SHRINK, NON-METALLIC GROUT PAD ( $f'_c = 2 \text{ X } f'_c$  OF THE SUPPORTING CONCRETE), THICKNESS EQUAL TO  $2 \times BOLT$  DIA.

BASE 1. 2. 3. 4. 5.	COLUMN WEB AT THE CENTER LINE OF THE COLUMN OR 1" FROM THE FACE OF THE SHEAR LUG ON BASE PLATES WITH SHEAR CONTRACTOR SHALL PROVIDE ADEQUATE SPACE WITHIN FOUNDATION RECESS FOR SHEAR LUG (IN FOOTING OR PEDESTAL GROUT ACCESS HOLES AS NECESSARY FOR CONSTRUCTION.  4. SHEAR LUG SHALL BE ORIENTED PARALLEL TO COLUMN FLANGES.	NOT OVER 4" IN THICKNESS SHALL BE STRAIGHTENED BY PRESSING OR MILLING.  HERMALLY CUT INTO BASE PLATE. THE HOLES SHALL BE LOCATED 1" FROM THE LUGS.
	NON-SHRINK GROUT PAD (NOTE D)	NOTE:  MEANS OF LEVELING &  ELEVATION CONTROL  SHALL BE PROVIDED &  COORDINATED BY THE  CONTRACTOR. LEVELING  NUTS SHALL NOT BE USED.  COL. BRG ELEV.
	(AS Se	COL. BRG ELEV.

NOTE A: 70% OF COLUMN WEB OR WALL THICKNESS FOR RIGID FRAME (SLRS) OR PER AISC TABLE J2.4, WHICHEVER IS GREATER. REFER TO AISC TABLE J2.4, FOR NON-RIGID FRAME COLUMNS.

NOTE B: 100% OF COLUMN FLANGE THICKNESS OR FULL PENETRATION GROOVE WELDS FOR RIGID (SLRS) FRAME COLUMNS WITH Fy = 50 KSI, 75% OF COLUMN FLANGE THICKNESS FOR RIGID FRAME (SLRS)

NOTE C: 1-1/2" EDGE DISTANCE TYP. (U.N.O.). 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.

4' - 2'' - C15x33.9 STRINGER, TYP. W10x12 W10x12 ψ - | W10x12 STAIR LANDING
MARK "A" FLOOR DECK
REINF. w/ 4x4-W2.9xW2.9 WWF (B.O.D. = +6' - 10"),

# ENLARGED INTERMEDIATE LANDING FRAMING PLAN

BOTTOM OF DECK ELEVATION, INTERMEDIATE LANDING, B.O.D. = (+6' - 10")
MEZZANINE LANDING, B.O.D. = (+11' - 11 1/2")

2. FLOOR DECK:

MARK "A" 4" THICK NORMAL WEIGHT CONCRETE ( $F'_c$  = 3,000 PSI) SLAB ON 0.6C26 GA. CONFORM METAL DECK REINFORCED W/ 4x4-W2.9xW2.9 WWF. METAL DECK SHALL BE GALV. W/ MINIMUM 3 SPANS.

3. ALL STRUCTURAL STEEL FRAMING AND CONNECTIONS SHALL BE HOT-DIPPED GALVANIZED, TYP.

#### LEGEND:

T.O.S. # TOP OF STEEL ELEVATION, IF VARIES FROM TYPICAL B.O.D. # BOTTOM OF DECK ELEVATION, IF VARIES FROM TYPICAL

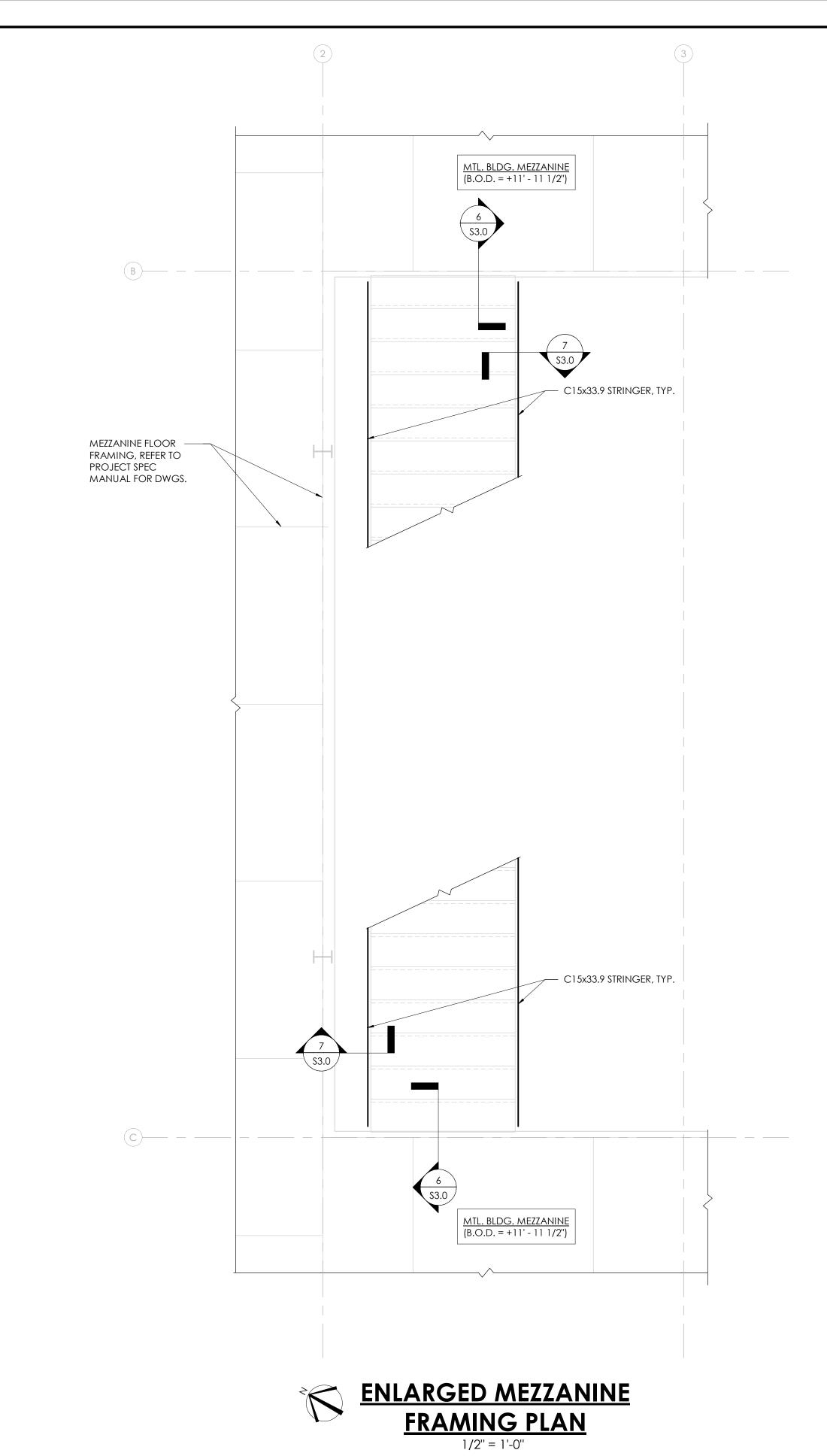
#'-#" TRUSS/JOIST BEARING ELEVATION, IF VARIES FROM TYPICAL

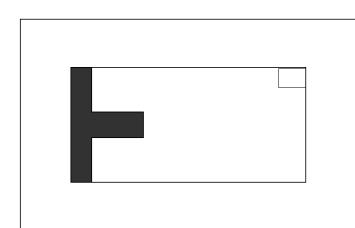
DRAWINGS.

◆ DECK SPAN DIRECTION

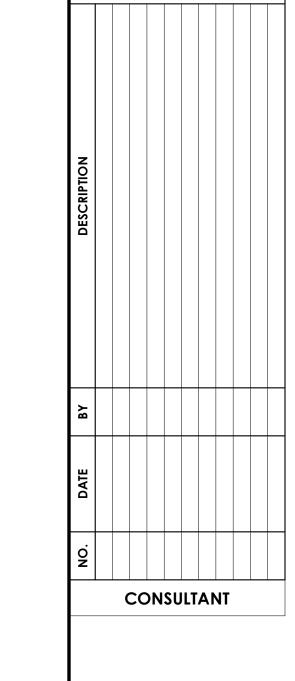
E.S. EDGE OF STEEL

FOR ALL BUILDING DIMENSIONS AND STRUCTURAL COMPONENTS, INCLUDING FOOTINGS, SLABS, COLUMNS, FRAMING, ETC., CONTRACTOR SHALL REFERENCE DRAWINGS BY WORLD STEEL BUILDINGS, DESIGNED BY COMPLETE STRUCTURAL CONSULTING, INC. DATED 02/15/2024. REFER TO PROJECT SPECIFICATIONS FOR FULL SET OF



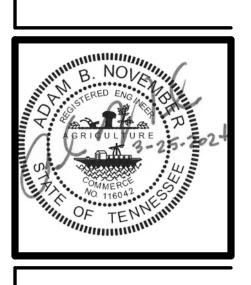






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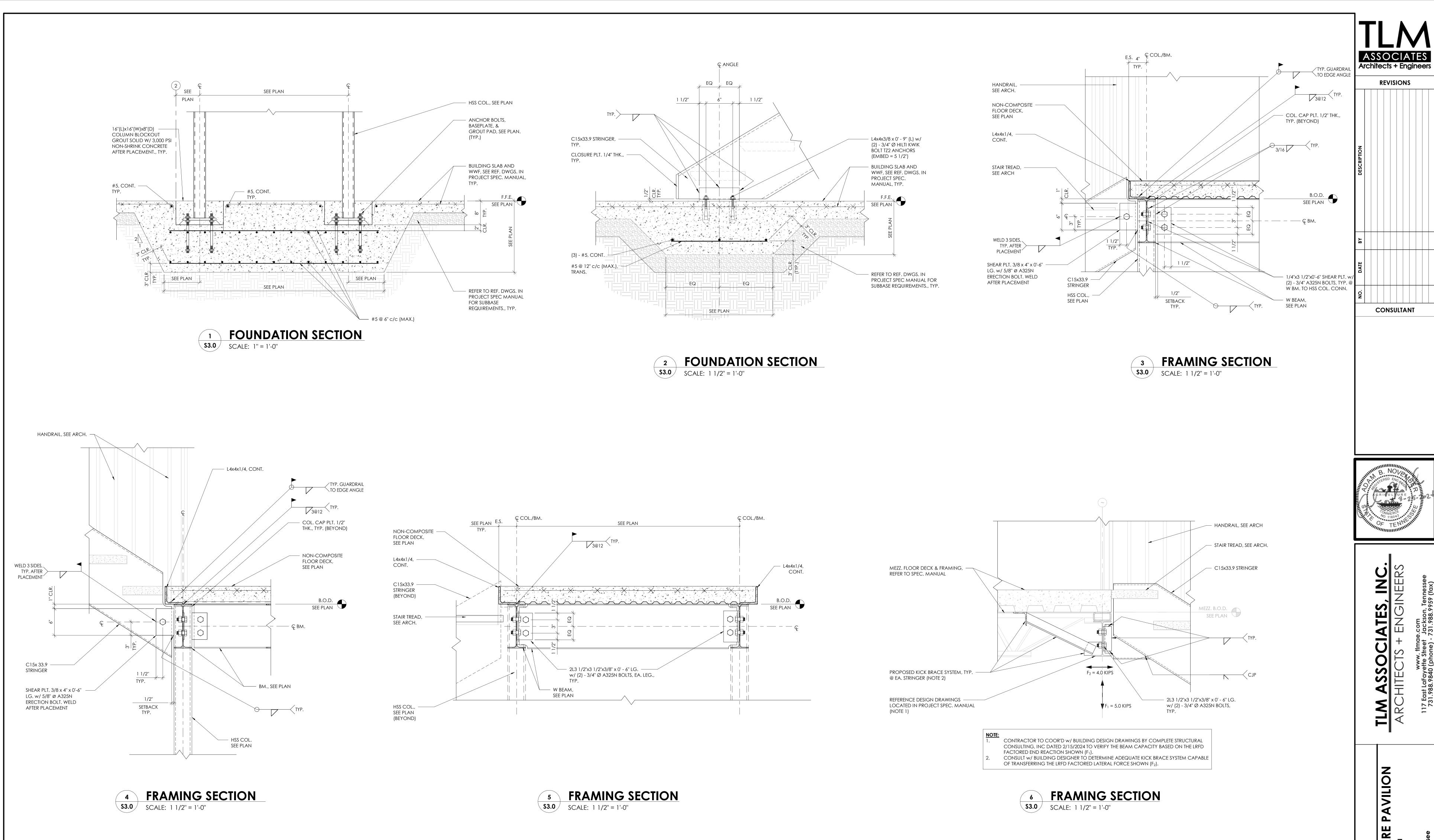
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MARCH 25, 2024

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HANDRAIL POST,
 REFER TO ARCH.

 SEE ARCH FOR RISERS, TYP.

RAILING CONNECTION SECTION

TYP.

C15x33.9 STRINGER -

\$3.0 SCALE: 1" = 1'-0"

SECTIONS
EBURG SQUARE PAVILION
NEW CONSTRUCTION
for
LAWRENCE COUNTY

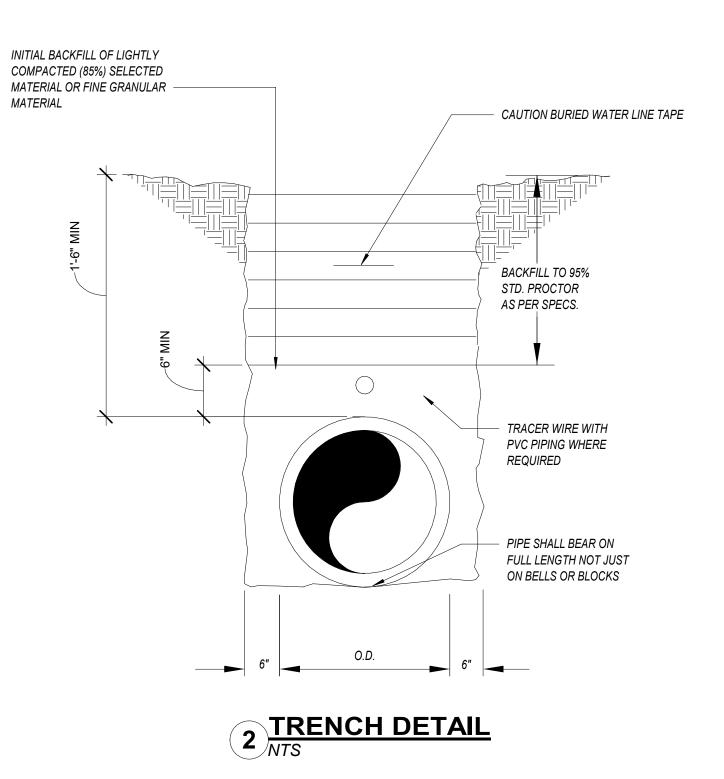
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NOTE:

1. ALL STEEL FRAMING AND CONNECTIONS TO BE HOT-DIPPED GALV., TYP.

\$3.0

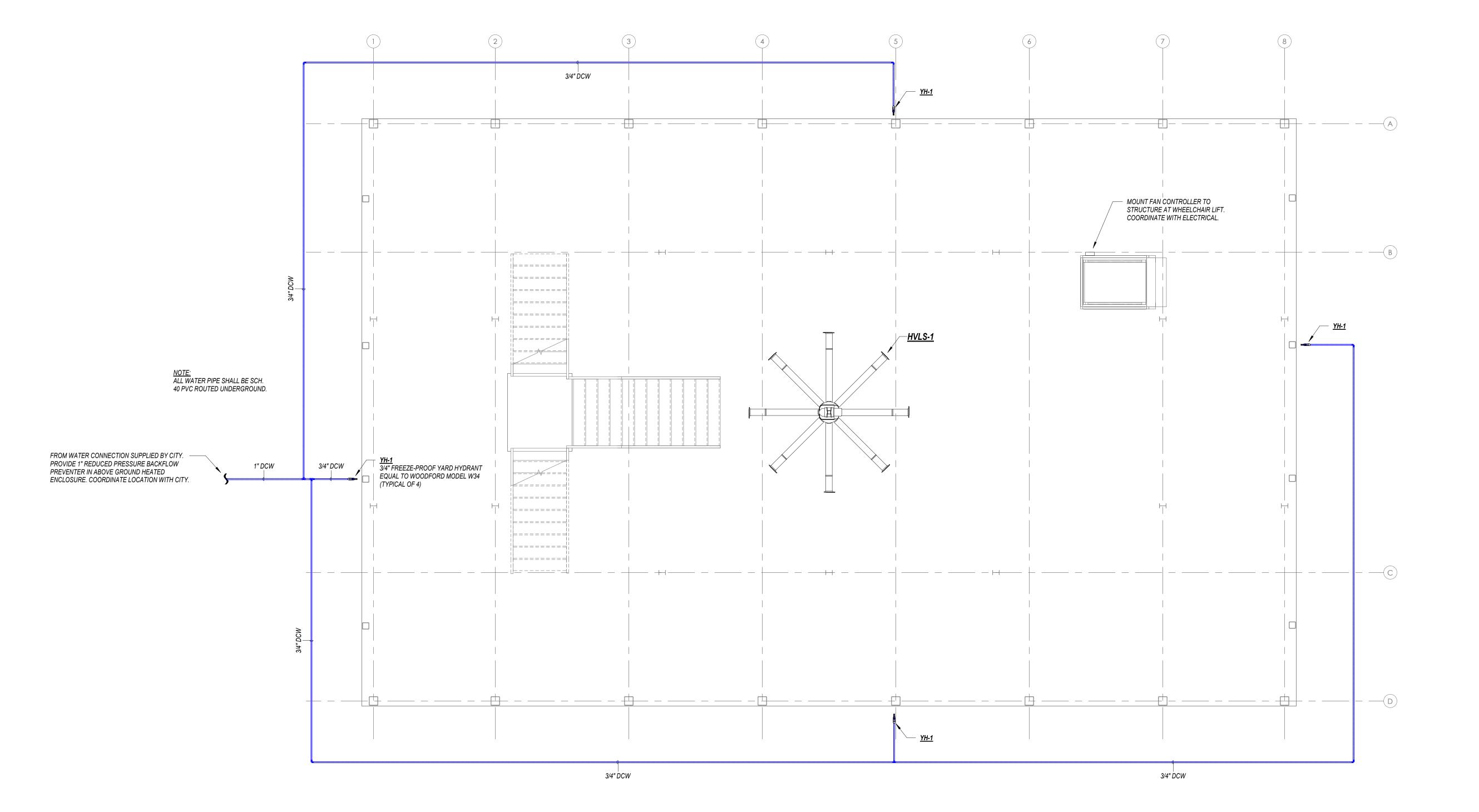


		П	VL3 3C	HEDUL			
MARK	DESCRIPTION	WEIGHT (LBS)	MOTOR HP	VOLTAGE	МОСР	MODEL	NOTES
HVLS-1	12' DIAMETER HIGH VOLUME LOW SPEED FAN	245	2	208-230/1	20	BIG ASS FANS PFX4-12	1,2,3

- 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.

#### **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 MANUFACTURES' 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
- 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
- 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
- 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.



1 HVAC & PLUMBING PLAN
1/4" = 1'-0"

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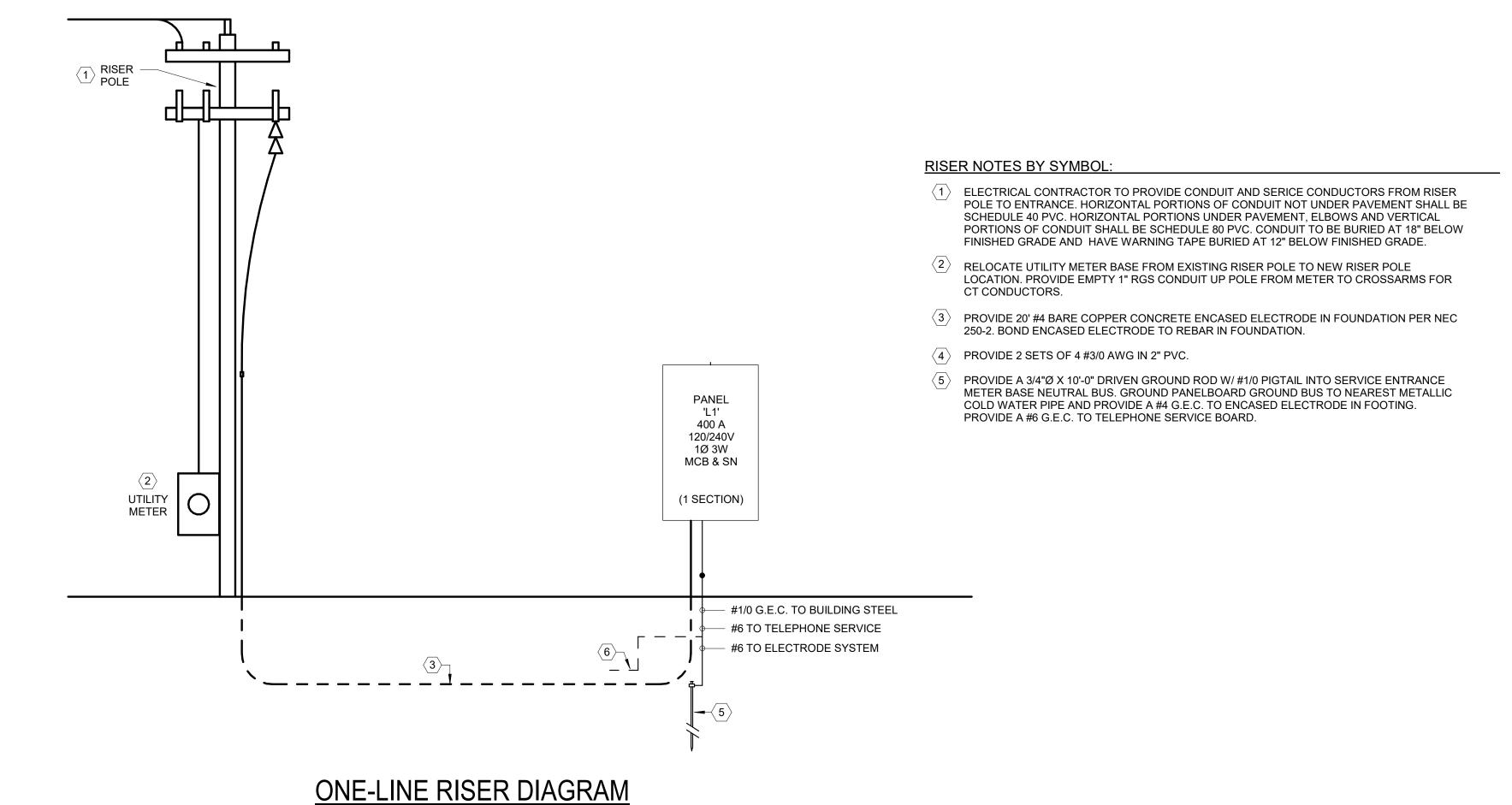
E			AND PHAS	L: L1 BE: 120/240 VOLT, 1ø, 3W IG: SURFACE RE: NEMA 3R		S RATING: INS TYPE:	400 A MCB & SN	I	SERVICE ENT	RAN	ICF	RAT	ΓFD
СКТ	TRIP	POLES	TYPE	FEED	,	A	E	3	FEED	ТҮРЕ	POLES	TRIP	СКТ
1	20 A	1		GROUND LEVEL RECEPTACLE	0.4	0.4			GROUND LEVEL RECEPTACLE		1	20 A	2
3	20 A	1		GROUND LEVEL RECEPTACLE			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		_			0.1	0.1					_		10
11	20 A	2	GFCI	GROUND LEVEL 220V RECEPTACLE			0.1	0.1	GROUND LEVEL 220V RECEPTACLE	GFCI	2	20 A	12
13					0.1	0.1		-					14
15	20 A	2	GFCI	GROUND LEVEL 220V RECEPTACLE			0.1	0.1	GROUND LEVEL 220V RECEPTACLE	GFCI	2	20 A	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			WHEELCHAIR LIFT		1	20 A	34
35	20 A	2		HFLS-1			0.1	1.4	UNDER MEZZ LIGHTING		1	20 A	36
37	20 A	1		SCONCE LIGHTING	0.4	1.4			MEZZANINE LIGHTING		1	20 A	38
39	20 A	1		CHANDELIERS			1.0	0.2	EXIT/EGRESS LIGHTING		1	20 A	40
41	20 A	1		SPARE	0.0	0.0			SPARE		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:		kW	6.5	kW					
				TOTAL AMPS / PHASE:		) A	54						
	B1110=			TOTAL KW:			kW						
	PHASE	IOIAL	ļ	TOTAL AMPS:			7 A						

#### PANELBOARD NOTES:

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

#3- 120/240 VOLT BRANCH CIRCUIT BREAKERS TO HAVE A MINIMUM OF 10,000

- AMPERES 'RMS' SYMMETRCIAL INTERRUPTING CAPACITY.
- #4- ALL SECTIONS OF MULTISECTION PANELBOARDS TO BE THE SAME SIZE.
- #5- MAXIMUM NUMBER OF POLES IN A SINGLE SECTION TO BE 54.
- #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 #7- \* - FIRE ALARM CONTROL PANEL CIRCUIT BREAKER TO HAVE RED
- MARKING AND SHALL BE IDENTIFIED AS FIRE ALARM CIRCUIT.



				LUMINA	AIRE 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		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.
4	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.
484	LED PAR LAMP		SURFACE WALL @ 7'-0" A.F.F.	BLACK	COMBINATION EXIT/EMERGENCY FIXTURE W/ GREEN LETTERS, BLACK HOUSING, LONG LIFE "LED" LAMPS, 1.2WAT 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" AF.F. TO BOTTOM OF FIXTURE ABOVE THE MEZZANINE.

ELECTRICAL SPECIFICATIONS

JOB COMPLETION.

OF SERVICE TO BE PROVIDED.

SYSTEM WITH LUGS AT BOTH ENDS.

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

PERFORM TESTING IN PRESENCE OF OWNER'S REPRESENTATIVE.

PORTIONS WITHIN THE COMPLETE INSTALLATION.

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 MAINTAIN ONE SET OF ELECTRICAL PRINTS ON THE SITE, MARKED TO SHOW AS-

BUILT CONDITIONS AND INSTALLATIONS. PREPARE COPIES OF THESE PRINTS AT

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

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 PHASE A - BLACK <u>277/480 VOLT</u> PHASE A - BROWN PHASE B - ORANGE PHASE B - RED PHASE C - YELLOW PHASE C - BLUE 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

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, GROUNDING AND SUPPORTS AS ALLOWED BY CODE AND RECOMMENDED BY MANUFACTURER. RUN EXPOSED CONDUIT AT RIGHT ANGLES TO OR PARALLEL TO WALLS OF

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,

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

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

GROUND FAULT INTERRUPTING RECEPTACLE - 15A, 125VAC: 6599LI

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

WHERE SPECIFICATIONS AND THESE GENERAL NOTES DIFFER, SPECIFCATIONS SHALL PREVAIL

0.4.5.5	DESCRIPTION
SYMBOL	
<u>∕</u>	MOTOR CONNECTION (NUMBER IN CENTER INDICATES HORSEPOWER)
<del>⇔</del> sc	DUPLEX 20A 125V RECEPTACLE. INSTALL @ 1'-6" A.F.F. IN FINISHED AREAS AND @ 4'-0" IN UNFINISHED AREAS.
<u></u>	DUPLEX 20A 125V RECEPTACLE. INSTALL @ ROOF DECKING FOR SECURITY CAMERA  OLIAD (2 DUPLEX EXCEPTACLE. INSTALL @ ALICE AND EXCEPTACLE INSTALL @ ALICE AND ENDISHED AREAS.
<u>₩</u>	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.
<del>-                                    </del>	20 AMP 208 VOLT 1Ø RECEPTACLE. INSTALL @ 1'-6" A.F.F.
•	3Ø 3W WELDING OUTLET SEE PLAN FOR AMPERAGE
$\triangleright$	EMPTY 2" X 4" J-BOX W 3/4" CONDUIT STUBBED INTO CEILING SPACE OR BAR JOIST AREA. INSTALL @ 1'-6" A.F.F.
<u> </u>	TELEPHONE OUTLET W 3/4" CONDUIT STUBBED INTO CEILING SPACE. INSTALL @ 1'-6" A.F.F.
<b>&gt;</b>	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.
\$2	DPST 20A 125 OR 277V WALL SWITCH. INSTALL @ 4'-0" A.F.F.
\$3	20A 125 OR 277V 3 WAY WALL SWITCH. INSTALL @ 4'-0" A.F.F.
\$4	20A 125 OR 277V 4WAY WALL SWITCH. INSTALL @ 4'-0" A.F.F.
\$P	SPST 20A 125 WALL SWITCH WITH PILOT LIGHT. INSTALL @ 4'-0" A.F.F.
\$R	480V, 3Ø SPEED CONTROLLER FOR HVLSF (BAF) FANS. INSTALL @ 4'-0" A.F.F.
\$	ENCLOSED 30A 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.
<u> </u>	3Ø MANUAL MOTOR STARTER AND DISCONNECT SWITCH.
	SAFETY DISCONNECT SWITCH. NF (NON-FUSED)
$\bigcirc$	THERMOSTAT. INSTALL @ 5'-0" A.F.F. INSTALL ABOVE WALL SWITCH WHERE POSSIBLE.
OR J	JUNCTION OR PULLBOX. SIZE AS REQUIRED.
<u> </u>	PHOTO ELECTRIC CELL LIGHTING CONTROL MOUNTED ON ROOF.  DRY TYPE TRANSFORMER 16 OR 26 SIZE AS NOTED ON THE BLANS
$\overline{\mathbb{V}}$	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.
R	CARD READER.
<u> </u>	1/2" CONDUIT IN DOOR FRAME FROM CEILING TO VERTICAL MIDPOINT OF JAMB.
S2	1/2" CONDUIT IN DOOR FRAME FROM CEILING TO HORIZONTAL CENTER OF HEADER ON PUSH SIDE.
P	DOOR SECUTIRY POWER SUPPLY BY OTHER.
	'L' PANEL. 120/208V. 3Ø, 4W LOW VOLTAGE LIGHTING AND POWER DISTRIBUTION PANEL.
	'H' 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.
<b>- + - -</b>	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.
<u> </u>	3/4"Ø x 10'-0" GROUND ROD WITH #3/0 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. S.F.	CONDENSING UNIT
F.A.C.P.	SUPPLY FAN  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



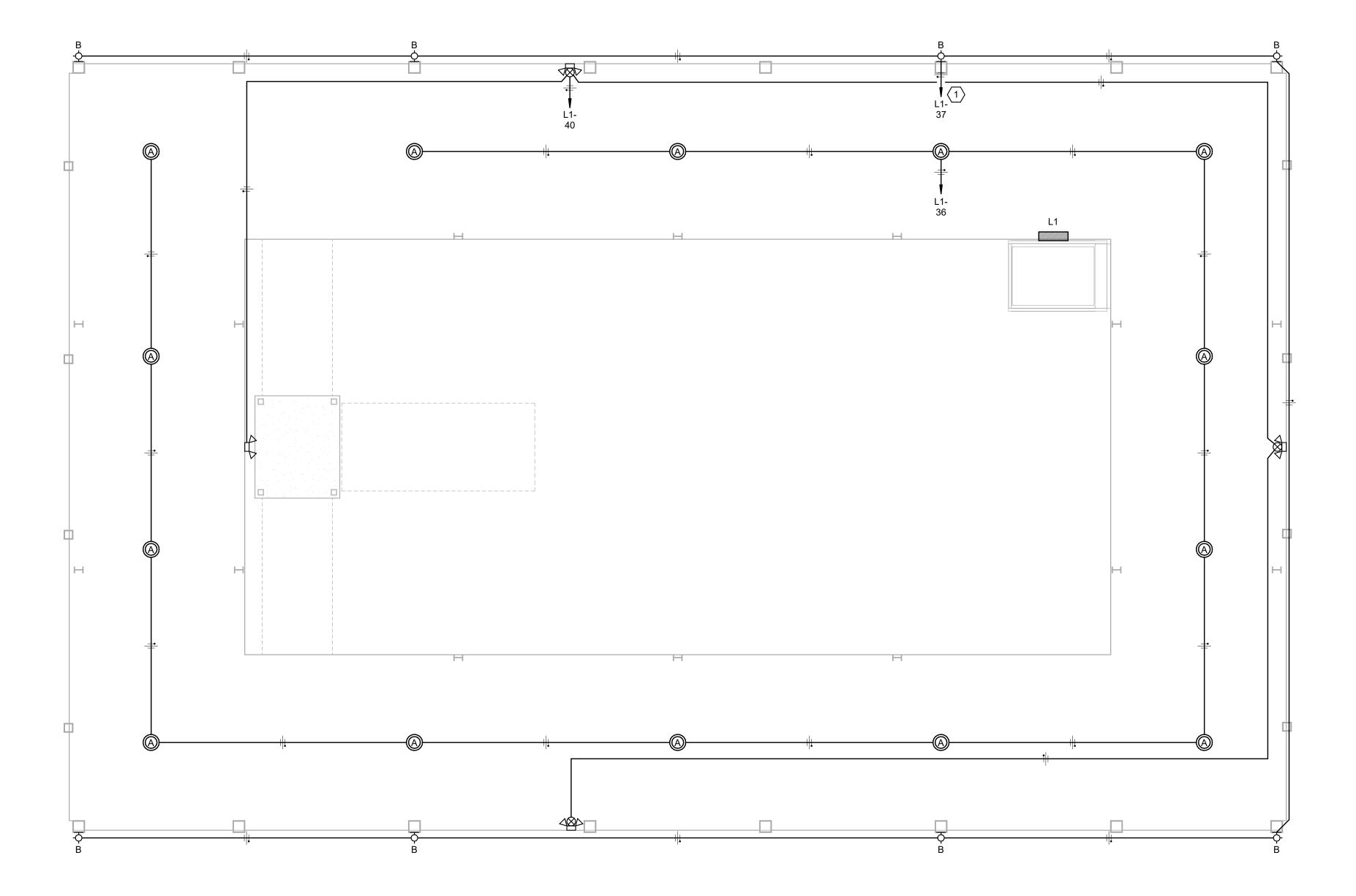
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SOUTH LAWRE WREN

MARCH 25, 2024

J-7134



UNDER MEZZANINE LIGHTING PLAN

1/4" = 1'-0"

LIGHTING NOTE

#1- MINIMUM CONDUCTOR SIZE FOR HOME RUNS SHALL BE #10 AWG IN 3/4"C 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).

ASSOCIATES
Architects + Engineers
REVISIONS

REVISIONS

ON

CONSULTANT



CIATES, INC.

TS + ENGINEERS

w. tlmae.com
Street Jackson, Tennessee

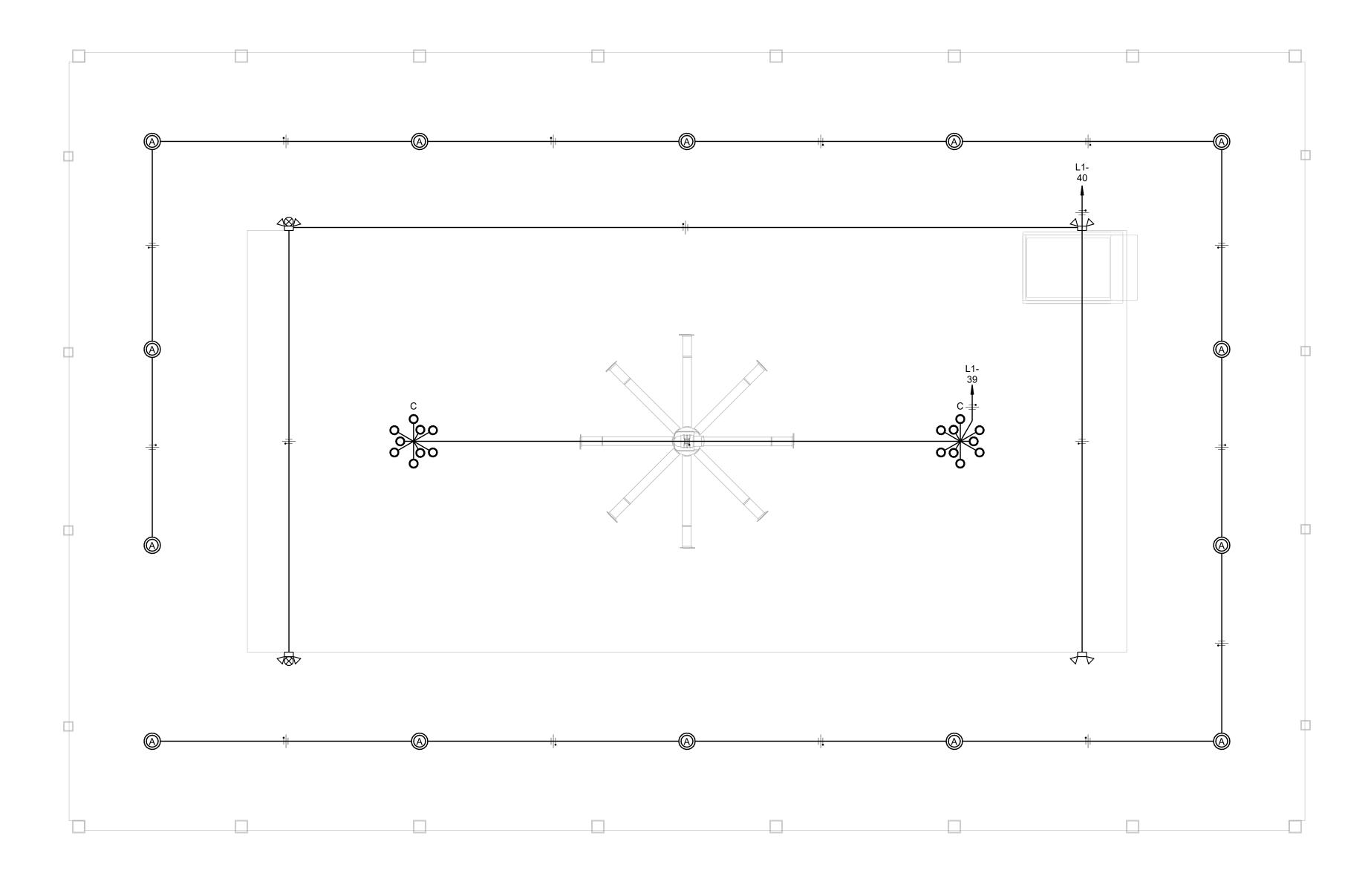
TLM ASSOC ARCHITECTS

PHASE II
LAWRENCEBURG SQUARE PAVILION
SOUTH MILITARY AVENUE
LAWRENCEBURG, TENNESSEE

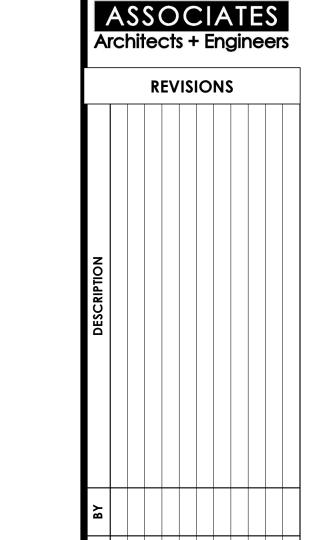
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**E2.1** 







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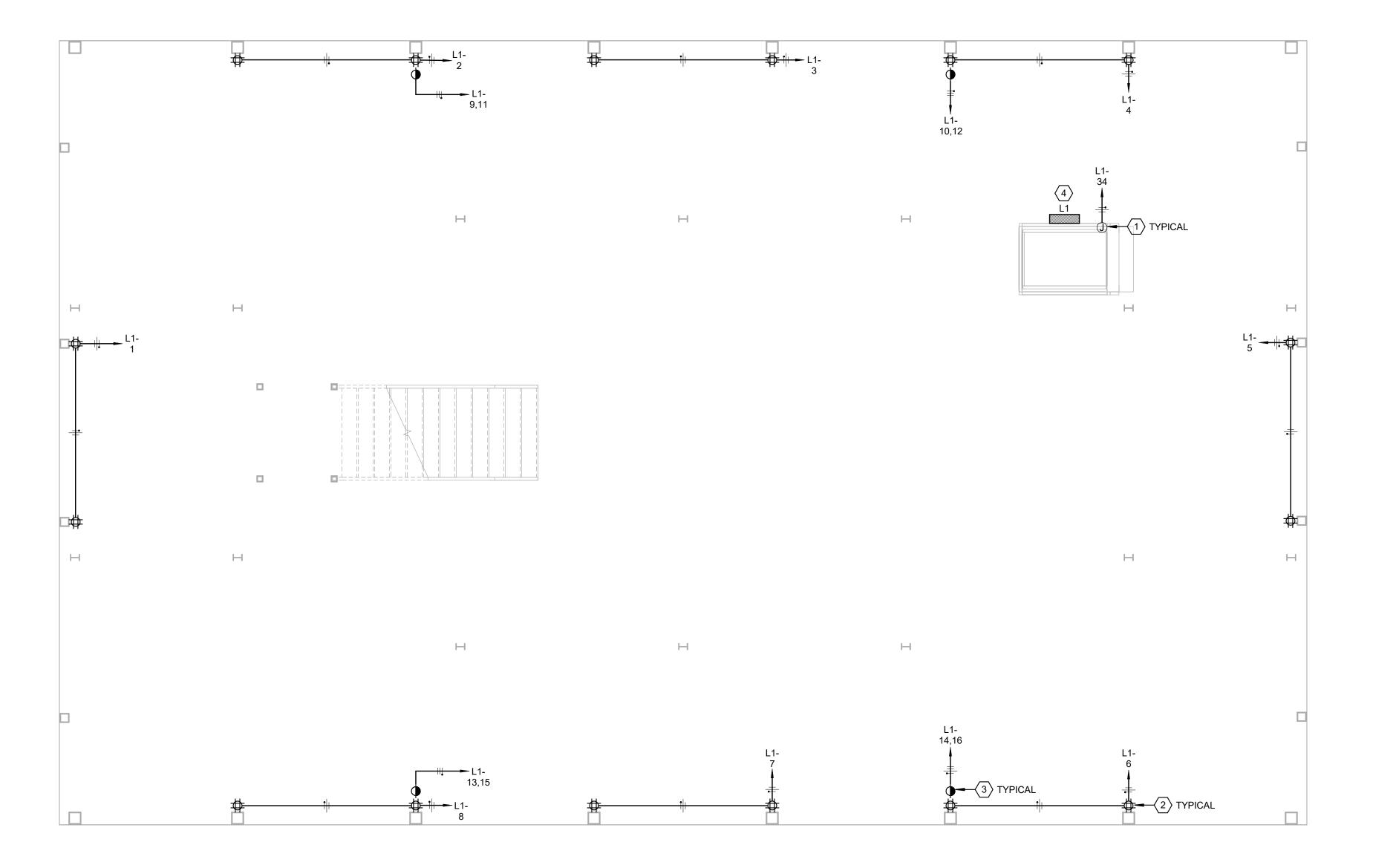
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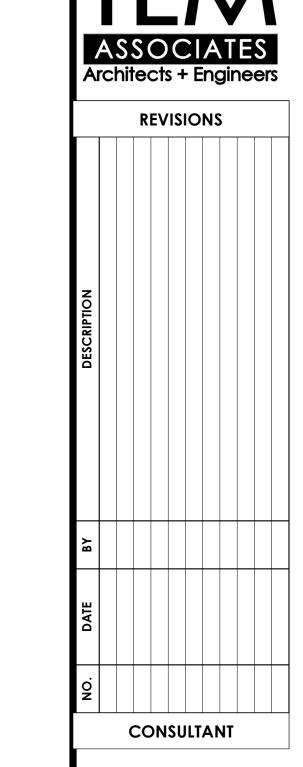
**E2.2** 

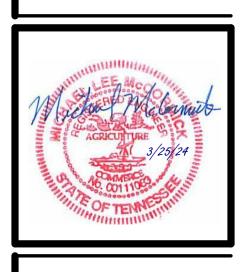
LIGHTING NOTES:

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HITECTS + ENGINEER

POWER PLAN

PHASE II

LAWRENCEBURG SQUARE PAVI

SOUTH MILITARY AVENUE

LAWRENCEBURG, TENNESSEE

MARCH 25, 2024

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J-7134

GENERAL POWER NOTES:

#1- VERIFY EXACT LOCATIONS AND POINTS OF CONNECTION TO ALL MECHANICAL EQUIPMENT BEFORE CONDUIT ROUGH-IN.

#2- SEE SHEET E0.1 FOR GENERAL NOTES, SPECIFICATIONS AND SYMBOL SCHEDULE.

#3- MINIMUM SIZE BRANCH CIRCUIT CONDUCTORS THIS SHEET TO BE #12 AWG UNLESS NOTED OTHERWISE.

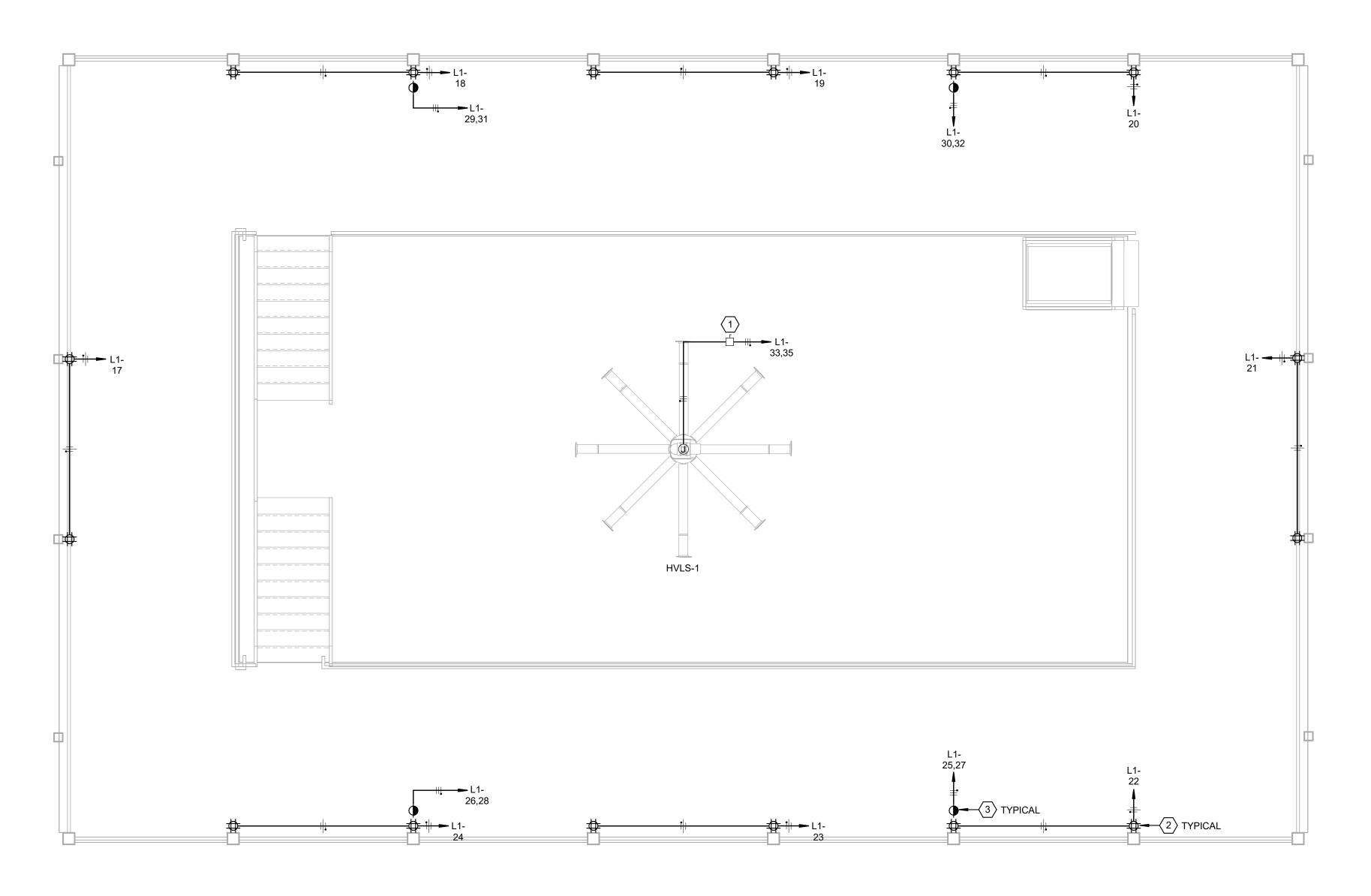
POWER NOTES BY SYMBOL:

PROVIDE 120V 20A BRANCH CIRCUIT TO WHEELCHAIR LIFT. COORDINATE EXACT REQUIREMENTS WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.

PROVIDE A WEATHER RESISTANT (WR) GFCI RECEPTACLE WITH A WEATHER PROOF, "EXTRA DUTY" IN-USE TYPE COVER ALL QUADS SHOWN THIS SHEET.

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.

PROVIDE UNISTRUT FRAME FOR PANELBOARD, HVLS CONTROLLER AND EXTERIOR LIGHTING TIMECLOCK.







- #1- VERIFY EXACT LOCATIONS AND POINTS OF CONNECTION TO ALL MECHANICAL EQUIPMENT BEFORE CONDUIT ROUGH-IN.
- #2- SEE SHEET E0.1 FOR GENERAL NOTES, SPECIFICATIONS AND SYMBOL SCHEDULE.
- #3- MINIMUM SIZE BRANCH CIRCUIT CONDUCTORS THIS SHEET TO BE #12 AWG UNLESS NOTED OTHERWISE.

#### POWER NOTES BY SYMBOL:

- PROVIDE A 250V 30A FUSED DISCONNECT SWITCH AT HVLS CONTROLER OUTSIDE RADIUS OF FAN. PROVIDE A FRN-R-20A FUSE. COORDINATE LOCATION WITH CEILING AND STRUCTURE. INSTALL VFD CABLE PROVIDED WITH HVLS FAN CONTROLLER.
- PROVIDE A WEATHER RESISTANT (WR) GFCI RECEPTACLE WITH A WEATHER PROOF, "EXTRA DUTY" IN-USE TYPE COVER ALL QUADS SHOWN
- 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.



PHASE II
LAWRENCEBURG SQUARE PAVILION
SOUTH MILITARY AVENUE
LAWRENCEBURG, TENNESSEE

MARCH 25, 2024

J-7134

E3.2

#### 1) DESIGN CRITERIA

- A. STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE FOLLOWING CODES AND CRITERIA
- 1. TENNESSEE BUILDING CODE 2012 (2012 INTERNATIONAL BUILDING CODE WITH AMENDMENTS)
- 2. ASCE 7-10, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
- 3. AISC360-10, AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- CONSTRUCTION 5. AISI S100-12, NORTH AMERICAN SPECIFICATION FOR THE

4. NDS 2012, NATIONAL DESIGN SPECIFICATION FOR WOOD

DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS

#### B. BUILDING CLASSIFICATION

1. BUILDING OCCUPANCY CLASSIFICATION: A

#### C. DEAD LOADS

1. 5 PSF + STEEL SELF WEIGHT

2. 36 PSF CONCRETE FLOOR

#### D. LIVE LOADS

1. ROOF = 20.0 PSF (REDUCIBLE) 2. MEZZANINE = 100 PSF (ASSEMBLY, NONREDUCIBLE)

#### E. WIND LOADS DESIGN CRITERIA

DESIGN WIND SPEED, VIII T 120 MPH NOMINAL WIND SPEED, V<sub>ASD</sub> 94 MPH RISK CATEGORY = **EXPOSURE CATEGORY** INTERNAL PRESSURE, GC +/- 0.0 VELOCITY PRESSURE, Kd 0.85 =

#### F. SEISMIC DESIGN CRITERIA

**DESIGN CATEGORY** IMPORTANCE FACTOR, Ie = 1.25 MAPPED SPECTRAL RESPONSE ACCELERATION: 0.312 g 0.149 g = SITE CLASS SPECTRAL RESPONSE COEFFICIENTS: 0.250 g  $S_{D1} = 0.164 g$ 

SEISMIC FORCE RESISTING SYSTEM: STEEL SYSTEM NOT SPECIFICALLY DETAILED

FOR SEISMIC RESISTANCE R

 $\mathsf{C}_\mathsf{S}$ 0.104 = 10.0 KIP V

ANALYSIS PROCEDURE USED: **EQUIVALENT LATERAL FORCE** 

#### G. SNOW LOADS

GROUND SNOW LOAD, P. 10.0 PSF FLAT ROOF SNOW LOAD, P. = 9.2 PSF SNOW IMPORTANCE FACTOR,  $I_s = 1.10$ SNOW EXPOSURE FACTOR, Ce = 1.00 THERMAL FACTOR, C+ = 1.20 ROOF SLOPE FACTOR, C<sub>S</sub> = 0.79

#### 2) FOUNDATIONS

A. FOUNDATION DESIGN AND GENERAL NOTES PER FOUNDATION DRAWINGS, F-SERIES

#### 3) STRUCTURAL STEEL

#### A. MATERIAL

- 1. HOT ROLLED STRUCTURAL MEMBERS. ALL HOT ROLLED STEEL PLATES, SHAPES, SHEET PILING, AND BARS SHALL BE NEW STEEL CONFORMING TO ASTM SPECIFICATION A6.
- 2. ASTM SPECIFICATION AND GRADE UNLESS NOTED OTHERWISE ON THE DRAWINGS, STRUCTURAL STEEL SHALL BE AS FOLLOWS:

A500, Gr. C - Fy = 50 ksi

a) STRUCTURAL ANGLES: A572, Gr. 50 b) STRUCTURAL ROD: A572, Gr. 50 c) W-SHAPES: A992 A36 d) PLATE:

e) S, C, M, AND MC SHAPES: f) HSS, RECTANGULAR:

g) HSS, ROUND: A500, Gr. C - Fy = 46 ksih) PIPE: A53, Gr. B

B. STRUCTURAL BOLTS AND THREADED FASTENERS

- 1. ASTM A325 or SAE J429 GRADE 5 BOLTS U.N.O.
- 2. ALL BOLTS TO BE BEARING TYPE BOLTS WITH THREADS ASSUMED TO BE IN BEARING SURFACE (TYPE N)
- 3. ALL BOLTS TO BE TIGHTENED TO THE "PRETENSIONED JOINTS" REQUIREMENTS PER RCSC SPECIFICATION SECTION 4.2 UNLESS NOTED OTHERWISE. ANY OF THE INSTALLATION METHODS SPECIFIED IN SECTION 8.2 OF THE RCSC ARE PERMITTED (TURN OF NUT, CALIBRATED WRENCH, ETC.)

#### C. WELDING

- 1. UNLESS NOTED OTHERWISE, ELECTRODES FOR WELDING SHALL CONFORM TO E70XX
- 2. ALL WELDING SHALL CONFORM TO AWS (AMERICAN WELDING SOCIETY) SPECIFICATION D1.1

#### 4) COLD-FORMED STEEL METAL FRAMING

A. ALL ROOF SHEET METAL SHALL BE 24 GA.. 80-KSI MINIMUM. STANDING SEAM METAL ROOF OR EQUIVALENT OVER MINIMUM 24/0 SPAN RATED PLYWOOD SHEATHING WITH THE FOLLOWING MINIMUM SECTION PROPERTIES:

 $Ix(T)_{MIN} = 0.0367 \text{ in}^4/\text{ft}$  $Ix(B)_{MIN} = 0.0297 \text{ in}^4/\text{ft}$  $Sx(T)_{MIN} = 0.0366 \text{ in}^3/\text{ft}$  $Sx(B)_{MIN} = 0.0504 \text{ in}^3/\text{ft}$ 

B. ROOF PURLINS: C6"x1\frac{5}{8}"x20 ga  $Ix_{min} = 1.7929 in^4$  $Sx_{min} = .59764 \text{ in}^3$ 

- C. ALL FRAMING MEMBERS SHALL BE FORMED FROM CORROSION-RESISTANT STEEL, CORRESPONDING TO THE REQUIREMENTS OF ASTM A446, WITH A MINIMUM YIELD STRENGTH OF 50 KSI AS INDICATED.
- D. ALL MEMBERS SHOWN ARE STANDARD DESIGNATIONS OF THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA)

#### E. CONNECTIONS

- 1. FASTENING OF COMPONENTS SHALL BE BY SELF-DRILLING SCREWS OR BY WELDING AS DEFINED BELOW U.N.O. ON THE DRAWINGS
- 2. SELF DRILLING SCREW CONNECTIONS
- a) A MINIMUM OF THREE (3) EXPOSED THREADS SHALL PENETRATE THROUGH ALL JOINED MATERIALS

#### 5) TIMBER DESIGN

#### A. LIMITATIONS

1. ALL WOOD CONSTRUCTION IS TO BE PROVIDED BY OTHERS. PROVIDE BRIDGING AS REQUIRED

#### B. MATERIAL

- 1. ALL DIMENSIONAL LUMBER FRAMING MEMBERS ARE TO BE #2 SOUTHERN YELLOW PINE. ALTERNATIVELY LUMBER FRAMING SHALL MEET THE FOLLOWING MINIMUM BASE DESIGN VALUES IN ACCORDANCE WITH THE REFERENCED ISSUE OF THE NDS:
- 1.1.1. Fb = 925 psi 1.1.2. E = 1,400,000 psi
- 1.1.3. Fv = 175 psi1.1.4. Fc|| = 1,350 psi
- 2. LUMBER WITH MOISTURE CONTENT NOT EXCEEDING 19%. LUMBER SHALL BE GRADE STAMPED WITH THE APPROPRIATE WWPA OR SPIB STAMP INDICATING COMPLIANCE WITH PS-20 LUMBER DEFECTS OCCURRING IN THE CONNECTOR PLATE

#### C. CONNECTIONS

1. PROVIDE A MINIMUM OF  $1\frac{1}{2}$  PENETRATION INTO CROSS SECTION OF EACH MEMBER BEING JOINED. SIZE SCREWS **ACCORDINGLY** 

#### 6) CONCRETE DESIGN

#### A. MATERIAL

- 1. ALL CONCRETE SHALL BE MINIMUM 3,000 PSI
- 2. ALL STEEL REINFORCEMENT BARS SHALL BE ASTM A615 **GRADE 60**
- 3. ALL STEEL REINFORCEMENT SPLICES SHALL BE LAPPED A MINIMUM OF 24", UNLESS NOTED OTHERWISE

#### 6) MISCELLANEOUS

#### A. WALK DOORS AND WINDOWS

1. WALK DOORS AND WINDOWS MAY BE FIELD LOCATED. NO WIND ROD BRACING OR COLUMN CHORD BRACING SHALL BE CUT TO ACCOMMODATE WINDOWS OR DOOR

#### B. FUTURE EXPANSION

1. THIS BUILDING HAS NOT BEEN DESIGNED FOR FUTURE **EXPANSION** 

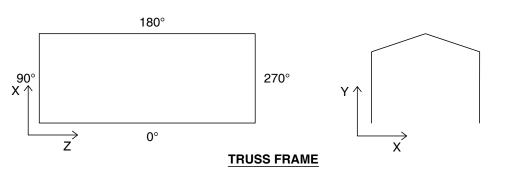
#### C. MEANS AND METHODS

- 1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, AND PROCEDURES EMPLOYED TO ERECT THE BUILDING
- 2. THE ENGINEERED DRAWINGS REPRESENT THE COMPLETED STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SHORING AND BRACING FOR STRUCTURAL ELEMENTS UNTIL THE ENTIRE STRUCTURAL SYSTEM IS COMPLETE

#### 7) LEGEND

,	
EL	= RELATIVE ELEVATION W/ RESPECT TO
	GROUND FLOOR
C/C	= CENTER TO CENTER
C/L	= CENTERLINE
CONT	= CONTINUOUS
PSF	= POUNDS PER SQUARE FOOT
TYP	= TYPICAL
UNO	= UNLESS NOTED OTHERWISE
СВ	= CHORD BRACING
EXT	= EXTENSION
MEZZ	= MEZZANINE
EWC	= ENDWALL COLUMN
OHD	= OVERHEAD DOOR

TRUSS	FRAME COLUMN F	REACTIONS	SUPPORT POST REACTIONS
LOAD CASE	HORIZONTAL REACTION, X-DIR. (KIP)	VERTICAL REACTION, Y-DIR. (KIP)	VERTICAL REACTION, Y-DIR. (KIP)
DEAD LOAD	0.24	6.08	5.14
SNOW LOAD	0.23	2.08	~
ROOF LIVE	0.43	4.42	~
FLOOR LIVE	0.24	6.65	9.57
WIND 0°	2.32	-8.91	-5.33
WIND 90°	0.71	-11.1	-1.57
WIND 180°	2.32	-8.91	-5.33
WIND 270°	0.71	-11.1	-1.57



- ALL REACTIONS ARE SERVICE LEVEL (UNFACTORED)
- NEGATIVE VERTICAL REACTION (Y-AXIS) INDICATES UPLIFT ALL WIND AND SEISMIC REACTIONS ARE REVERSIBLE
- ALL WIND REACTIONS ARE PROVIDED AT VIIIT
- ALL SEISMIC REACTIONS TO BE MULTIPLIED BY APPROPRIATE  $\Omega_{0}$

FACTORS FOR ANCHORAGE AND FOUNDATION DESIGN



Buildings

<u>e</u>

St

sovernment 3356 W Q 0. Lawrence Cor 35.2394 Nawrenceburg, WWSB



MLH
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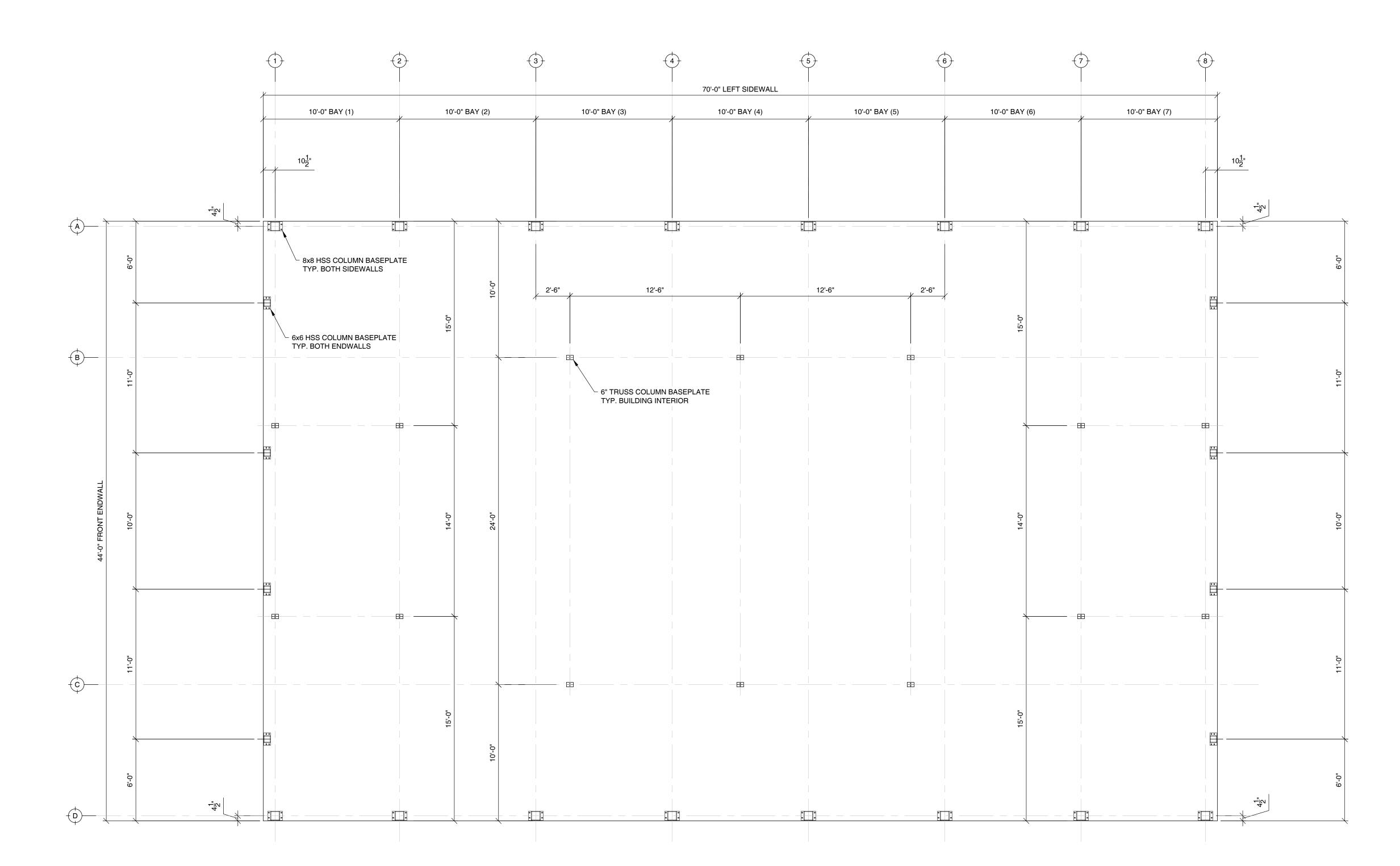
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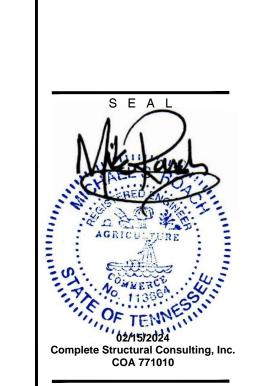
CHECKED DATE 24.0001 JOB NUMBER

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NOTES, ANCHOR BOLT SETTING PLAN:

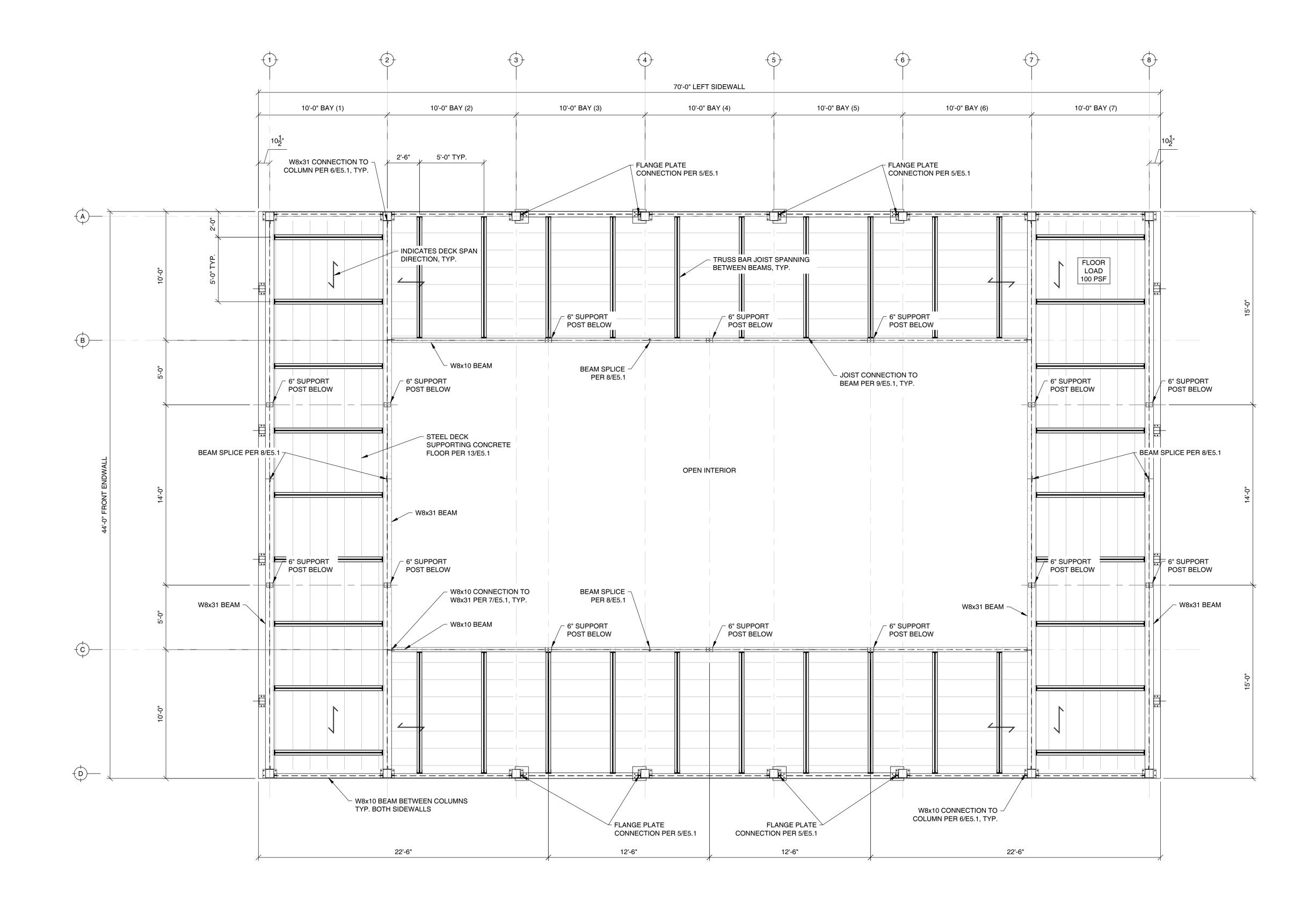
REFER TO FOUNDATION DRAWINGS, F-SERIES, FOR FOUNDATION DESIGN NOTES AND REQUIREMENTS





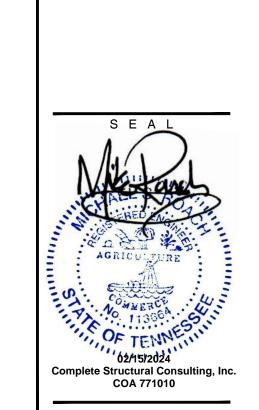
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JOB NUMBER	24.0001

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#### NOTES, FLOOR FRAMING PLAN:

- 1. FLOOR DECKING TO BE  $1\frac{1}{2}$ "x22 Ga STEEL DECK PAN AND  $3\frac{1}{2}$ " 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.



DRAWN MLH

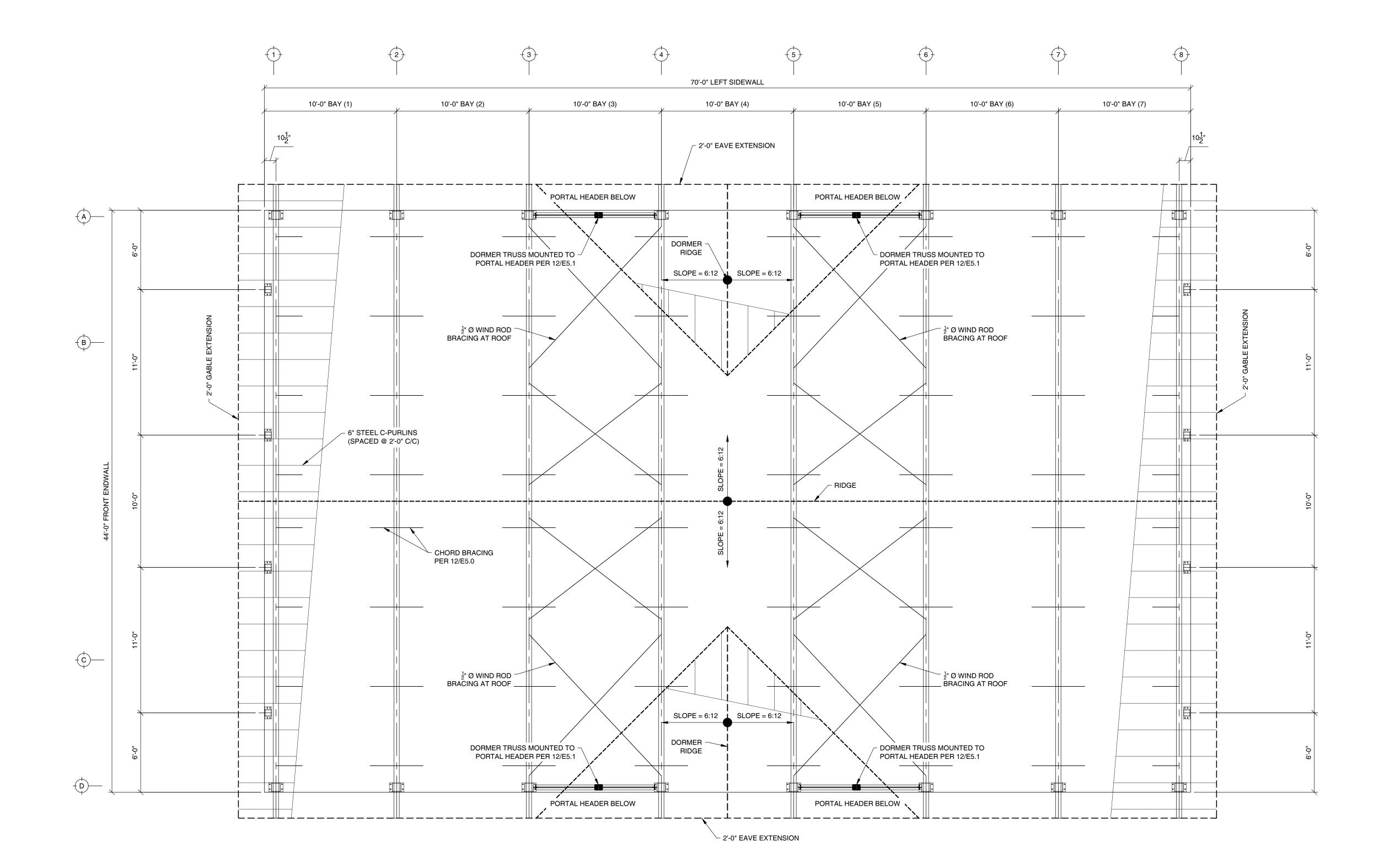
CHECKED DML

DATE 02/14/2024

JOB NUMBER 24.0001

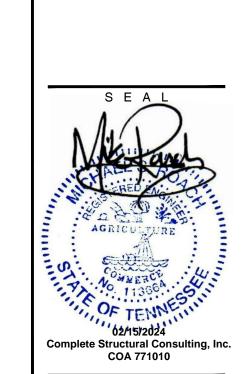
S H E E T

E2.2



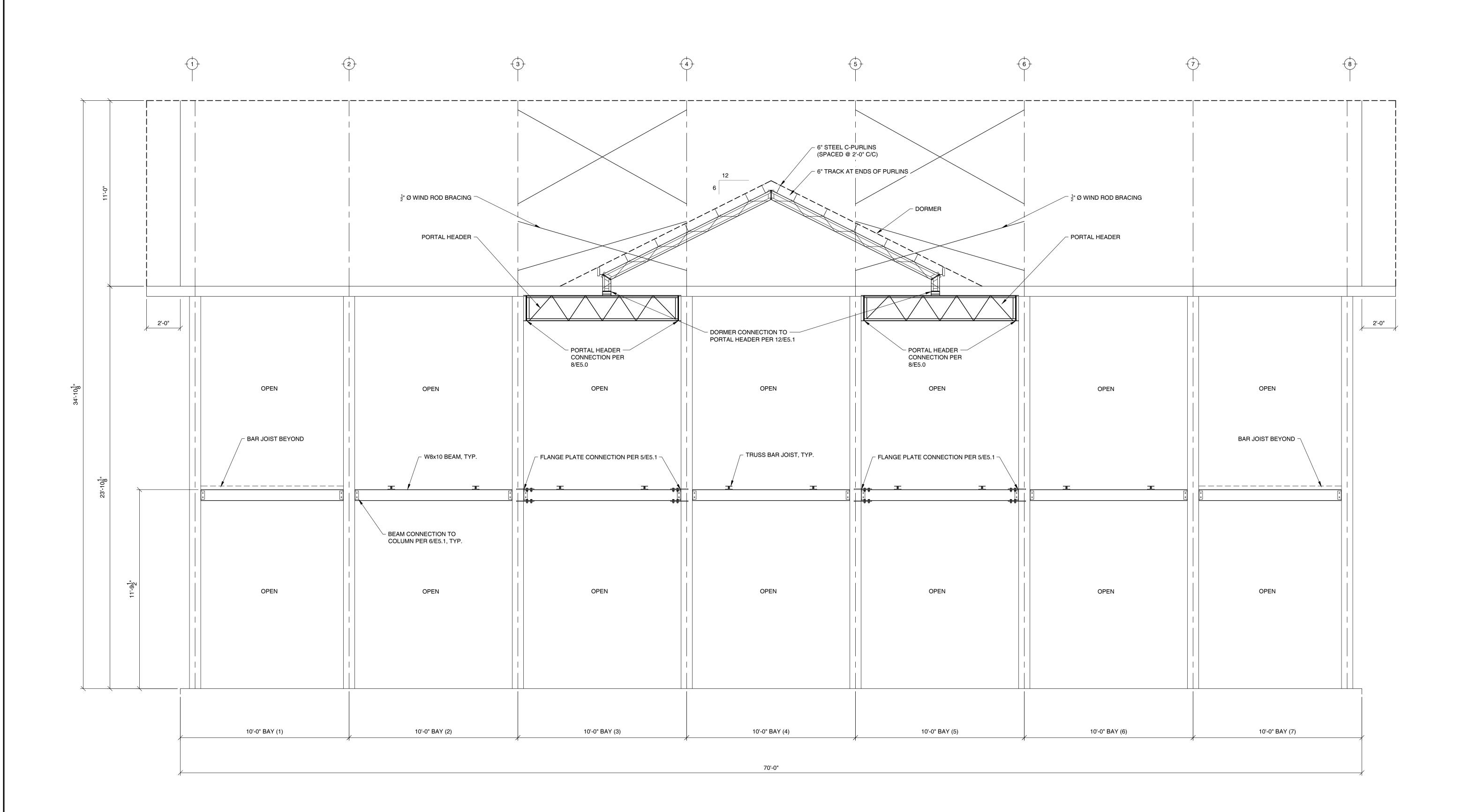
#### NOTES, ROOF FRAMING PLAN:

- 1. BOTTOM CHORD BRACING (MARKED WITH '-' 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
- 2. 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
- 3. 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



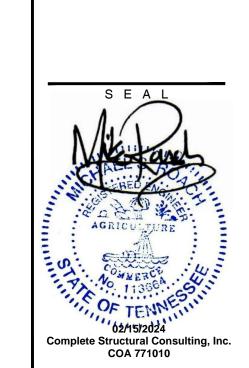
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DATE	02/14/2024
JOB NUMBER	24.0001

E3.0



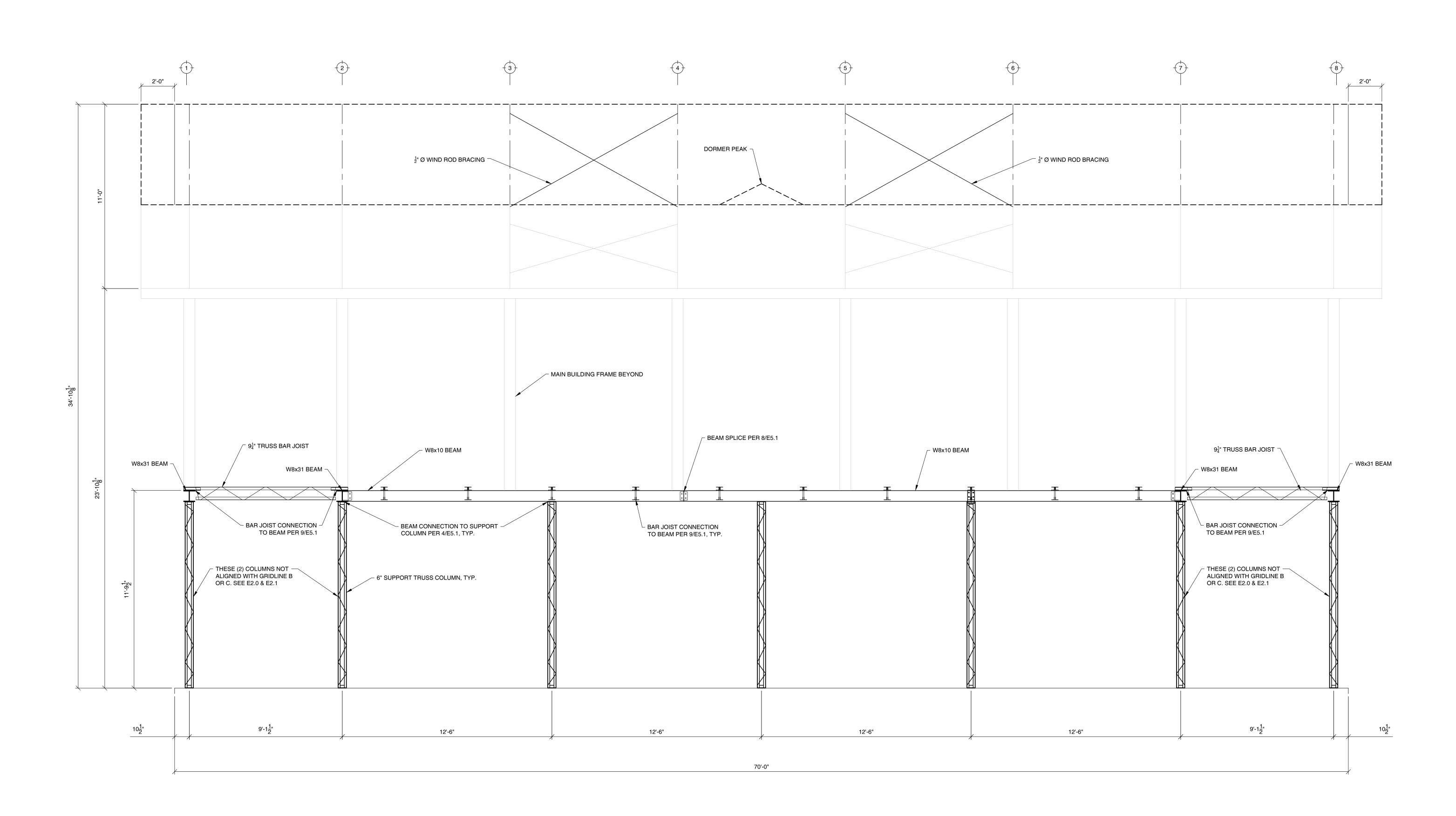
1 ELEVATION AT GRIDLINE D (RIGHT SIDEWALL)
SCALE: 3/8" = 1'-0"

#### NOTES, WALL ELEVATIONS:



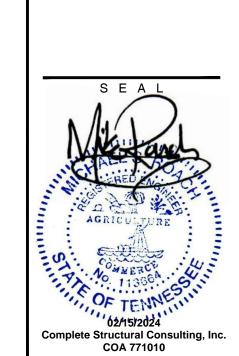
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DATE	02/14/2024
JOB NUMBER	24.0001

E3.1



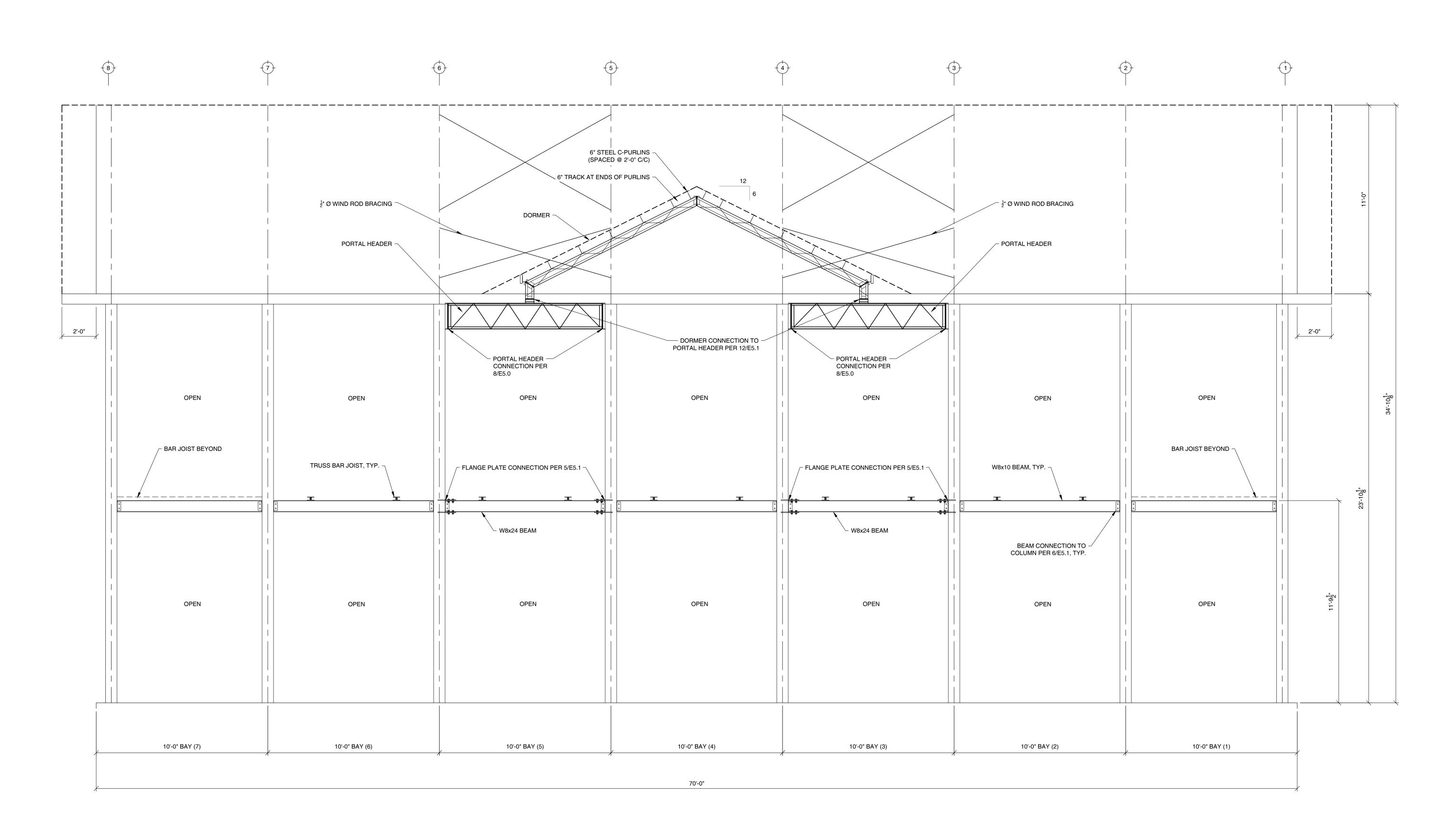
1 ELEVATION AT GRIDLINES B & C SCALE: 3/8" = 1'-0"

#### NOTES, WALL ELEVATIONS:



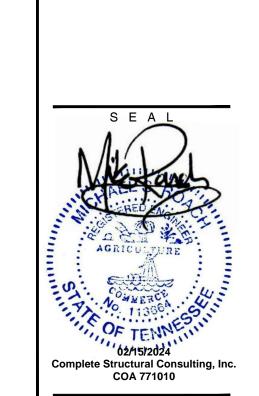
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JOB NUMBER	24.0001

**E3.2** 



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

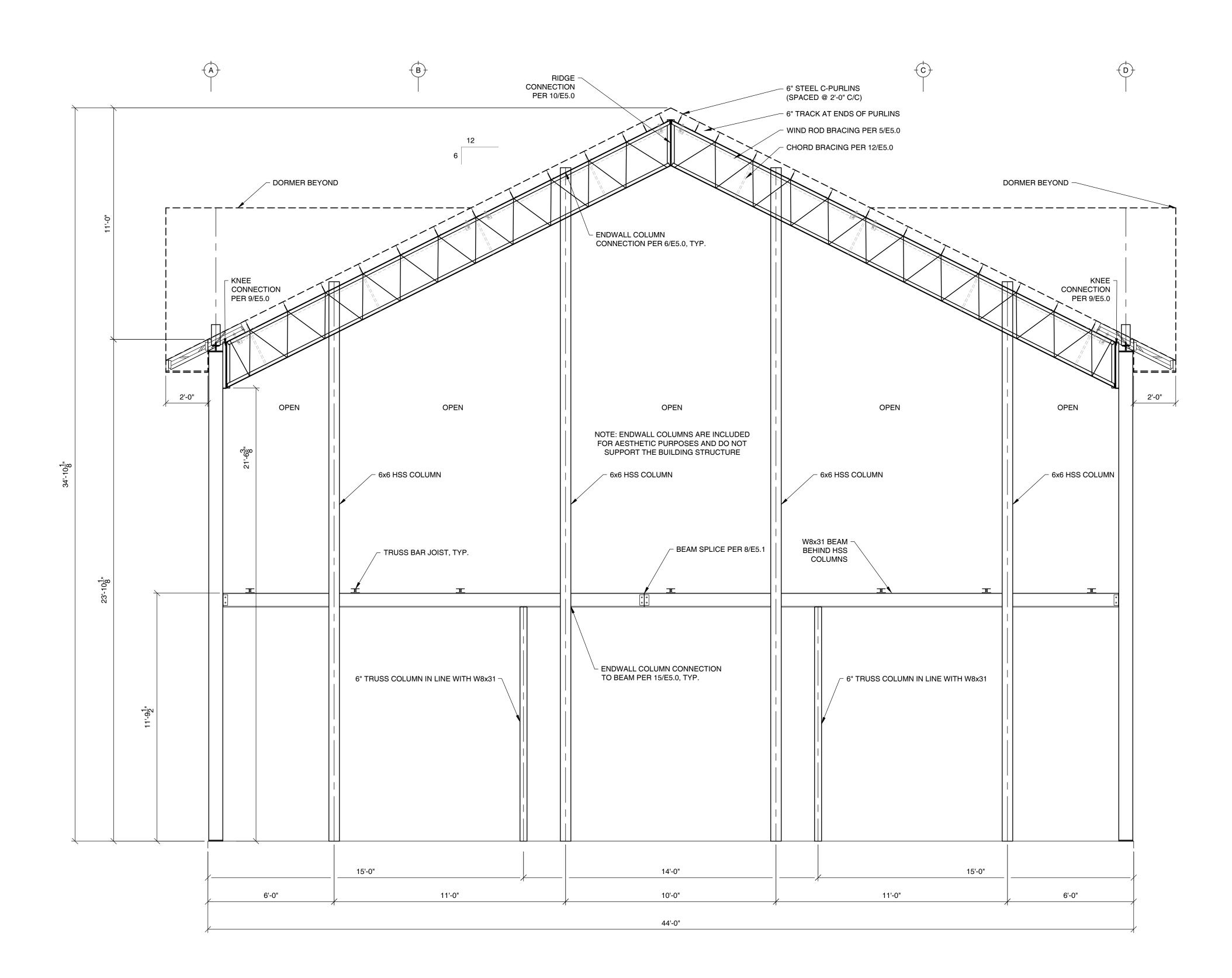
#### NOTES, WALL ELEVATIONS:



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DATE	02/14/2024
JOB NUMBER	24.0001

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Ξ4.0



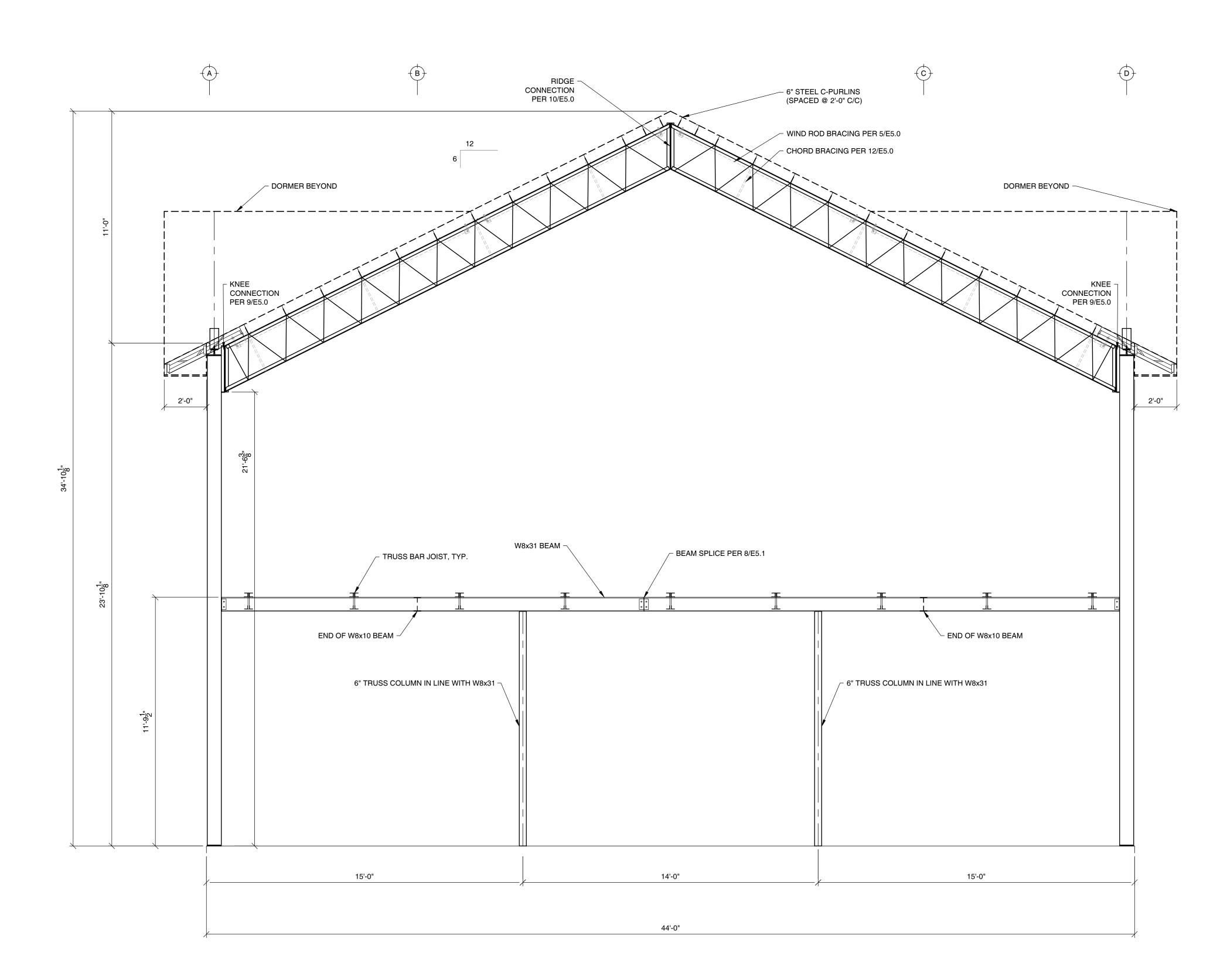
1 ELEVATION AT GRIDLINE 1 (FRONT ENDWALL)
SCALE: 3/8" = 1'-0"

#### NOTES, WALL ELEVATIONS:

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DATE	02/14/2024
JOB NUMBER	24.0001

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E4.1

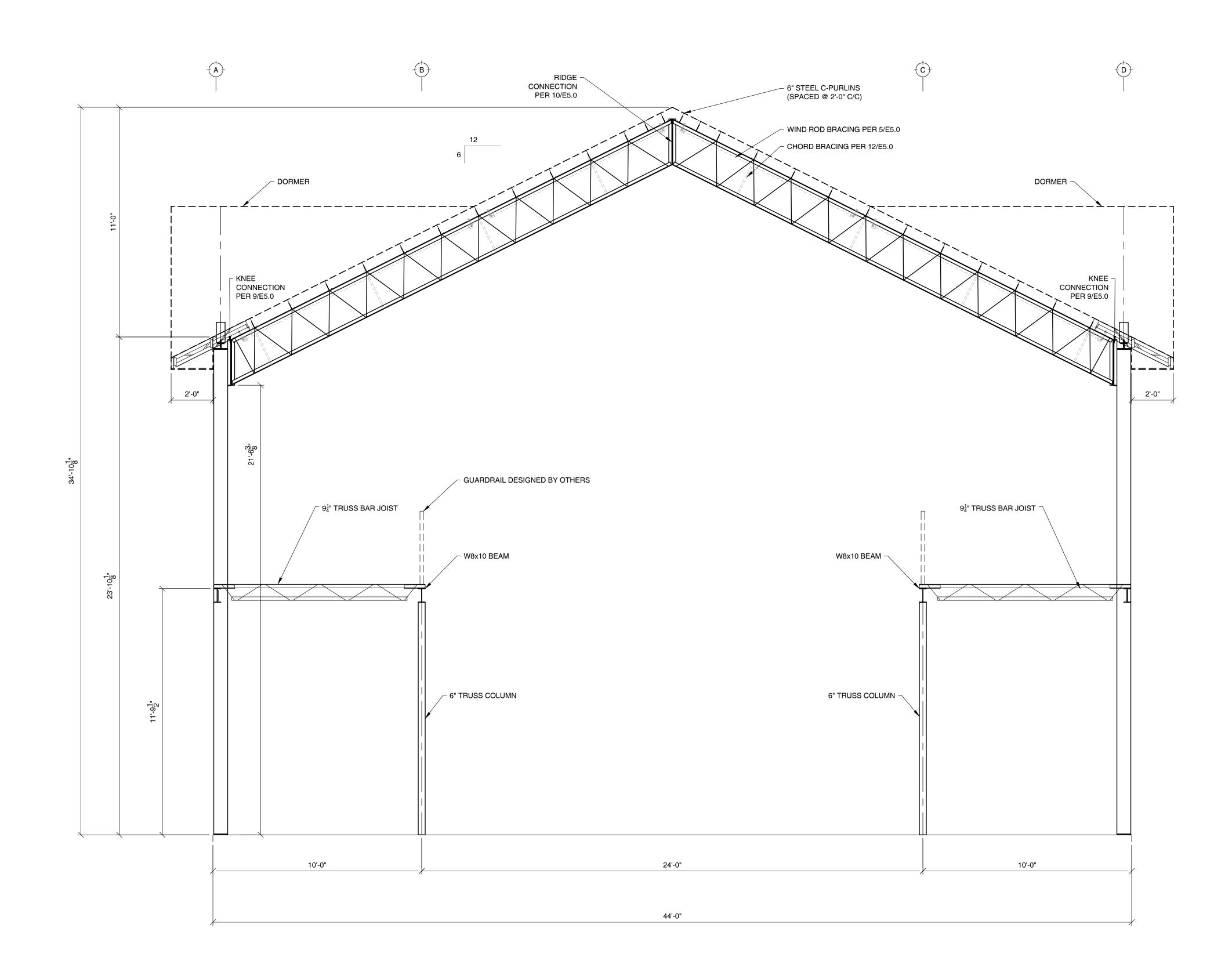


1 ELEVATION AT GRIDLINES 2, 7 SCALE: 3/8" = 1'-0"

#### NOTES, WALL ELEVATIONS:

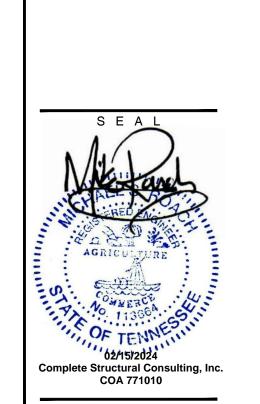
DML
02/14/2024
24.0001

=4.2



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

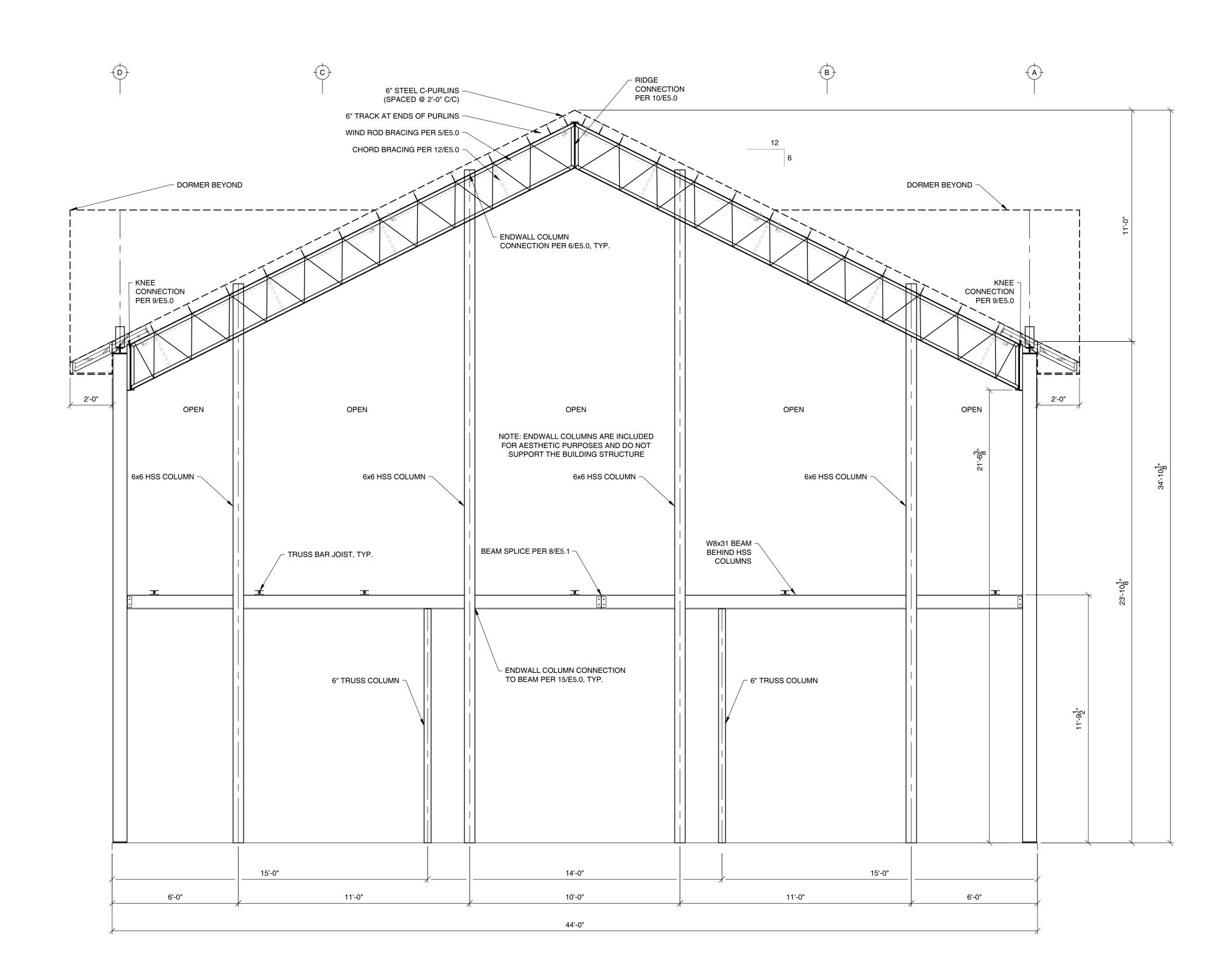
#### NOTES, WALL ELEVATIONS:



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

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E4.3



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

#### NOTES, WALL ELEVATIONS:

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E5.0

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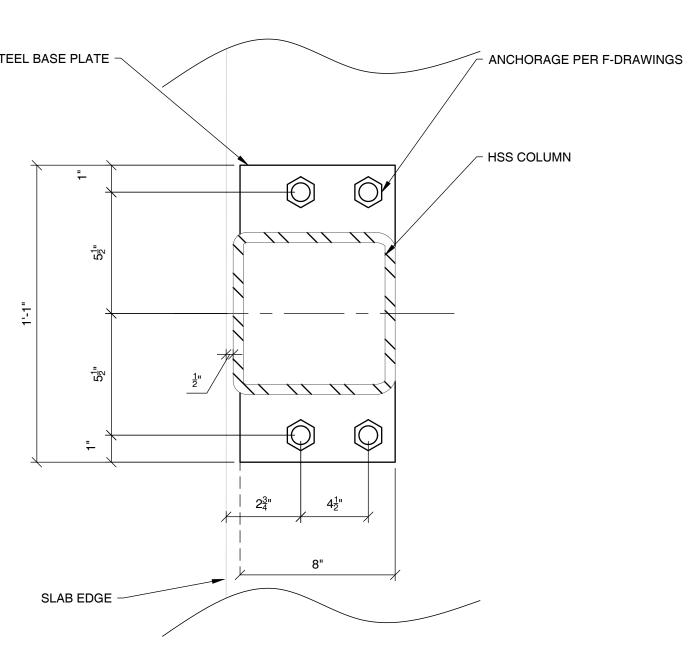
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DATE

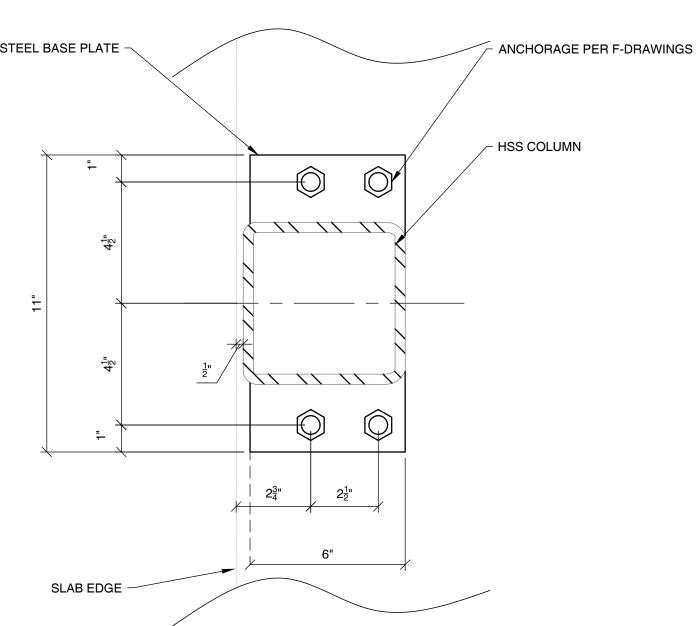
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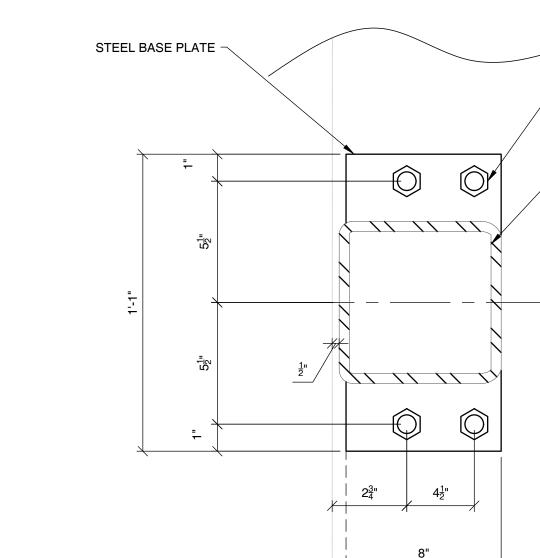
─ STEEL TUBE COLUMN TUBE COLUMN CORNER BASE PLATE DETAIL

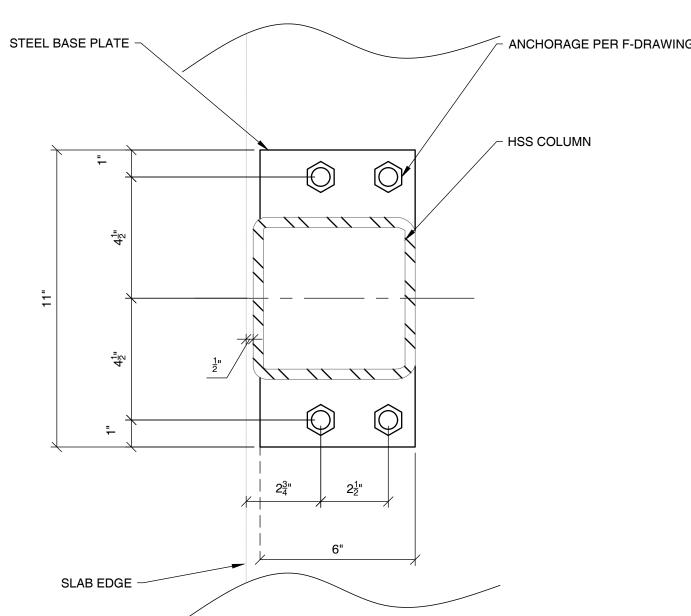


2 TUBE COLUMN SIDEWALL PLAN DETAIL N.T.S.

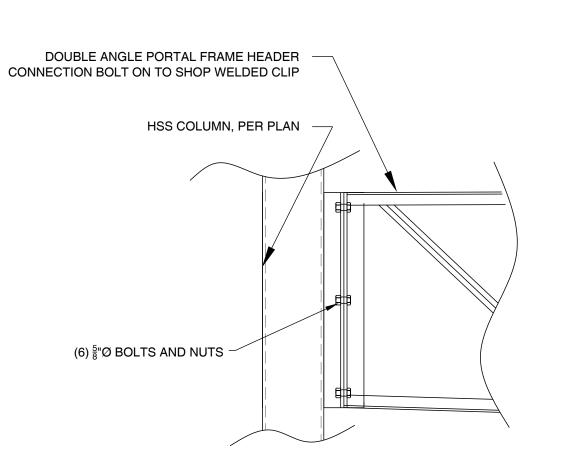


- ANCHORAGE PER F-DRAWINGS STEEL BASE PLATE

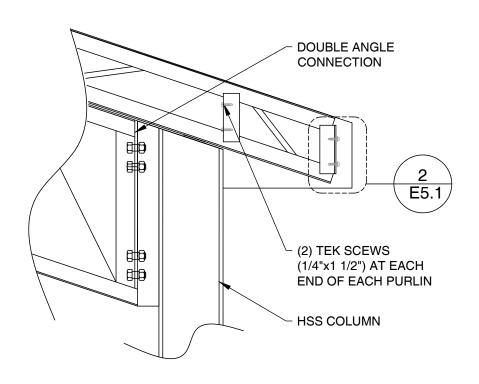




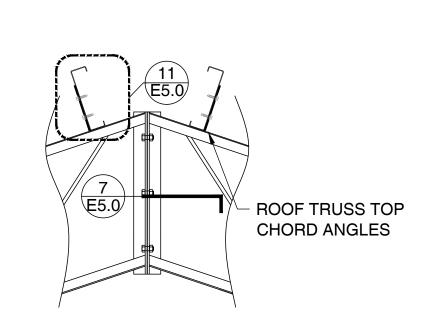
3 TUBE COLUMN ENDWALL BASE DETAIL N.T.S.



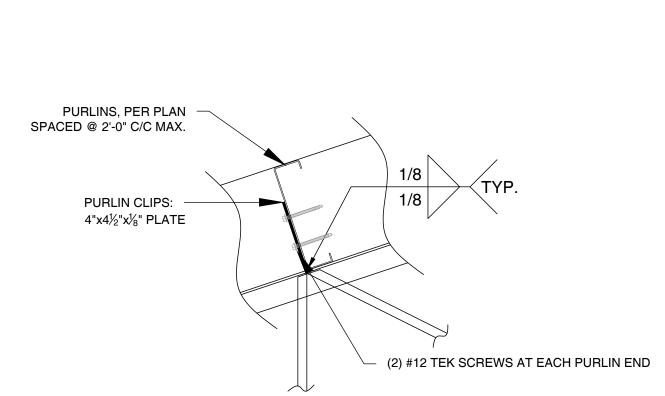
PORTAL HEADER CONNECTION SCALE: N.T.S.



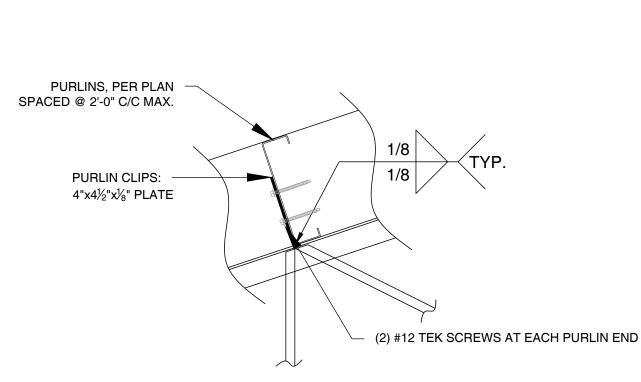
NNEE CONNECTION DETAIL 9 SCALE: NTS

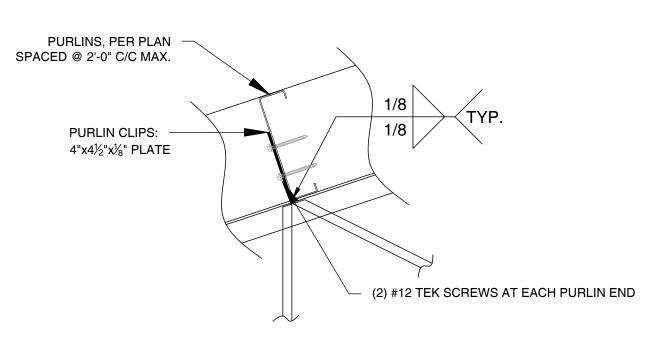


10 RIDGE CONNECTION DETAIL SCALE: NTS



PURLIN CONNECTION SCALE: NTS





TRUSS CONNECTION SCALE: NTS

HSS COLUMN -

TRUSS CHORD ANGLES

 $\angle 2\frac{1}{2}x2\frac{1}{2}x\frac{1}{2}W$  W/  $\frac{5}{8}$ " DIA. BOLT

1/2" DIA. ROD THREADED -AT ENDS, FASTENED

9" MAX. FROM NEAREST

CONNECTOR

SCALE: NTS

10" TYP. SEE PLAN

ROOF PURLIN -

ROD BRACING CONNECTION

WITH 1/2" DIA. NUT

TUBE COLUMN SIDEWALL BASE PLATE DETAIL

BOLT COL. CONNECTOR PLATE BETWEEN

CHORD AND ANGLE

WASHER

- ROOF GIRDER

ENDWALL COLUMN CONNECTION SCALE: N.T.S.

DRAWINGS

- 5/8" DIA. BOLT, NUT, AND

SHOP WELDED COLUMN CONNECTOR ANGLE

- HSS END WALL COLUMN

- QUANTITY AND SIZE OF BOLTS PER SHOP

ANCHORAGE PER F-DRAWINGS -

15 ENDWALL COLUMN CONNECTION TO BEAM SCALE: NTS

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

12 CHORD BRACE DETAIL SCALE: NTS

ADDITIONAL SCREWS ON THE OTHER SIDE OF

HIGH RIBS. USE ALSO AT END LAPS

3'-0"

THE EDGE WITH THIS LIP GOES ON

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

STEEL TRUSS

PURLIN CONNECTION SCALE: NTS

THE BOTTOM

STANDARD SHEET METAL CONNECTION SCALE: NTS

∠1"x1"x1/8"x3' CHORD

BRACE EACH SIDE

1½"x1½"x½" PLATE

 $-5_{16}$ " DIA. BOLTS & NUTS

- ROOF OR COLUMN TRUSS CHORD ANGLES

SCREWS @ 9" CENTERS

INSULATION & VAPOR

BARRIER, PER CUSTOMER

THE HIGH RIBS

LOCATED AT THE SIDE OF

AS POSSIBLE

(2) #12 TEK SCREWS, (1) FROM EACH SIDE

**∇OVERLAPPING** 

**EAVE SCREW PATTERN:** 

#12 TEK SCREWS AT EACH PURLIN END

6" HSS ENDWALL COLUMN -

CLIP ANGLE SHOP -WELDED TO COLUMN

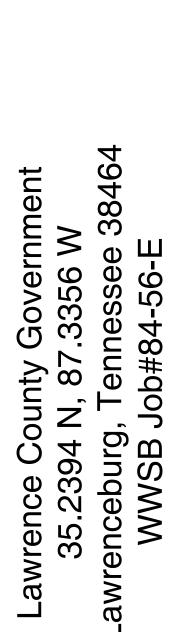
NOTE: THIS CONNECTION IS NOT A GRAVITY SUPPORT. INSTALL BEAM

- CONNECT WITH (2)  $\frac{5}{8}$ " Ø BOLTS

SUPPORTS PER 4/E5.1 AND 6/E5.1 PRIOR TO

CONNECTING ENDWALL COLUMN TO BEAM.







W8x21 BEAM

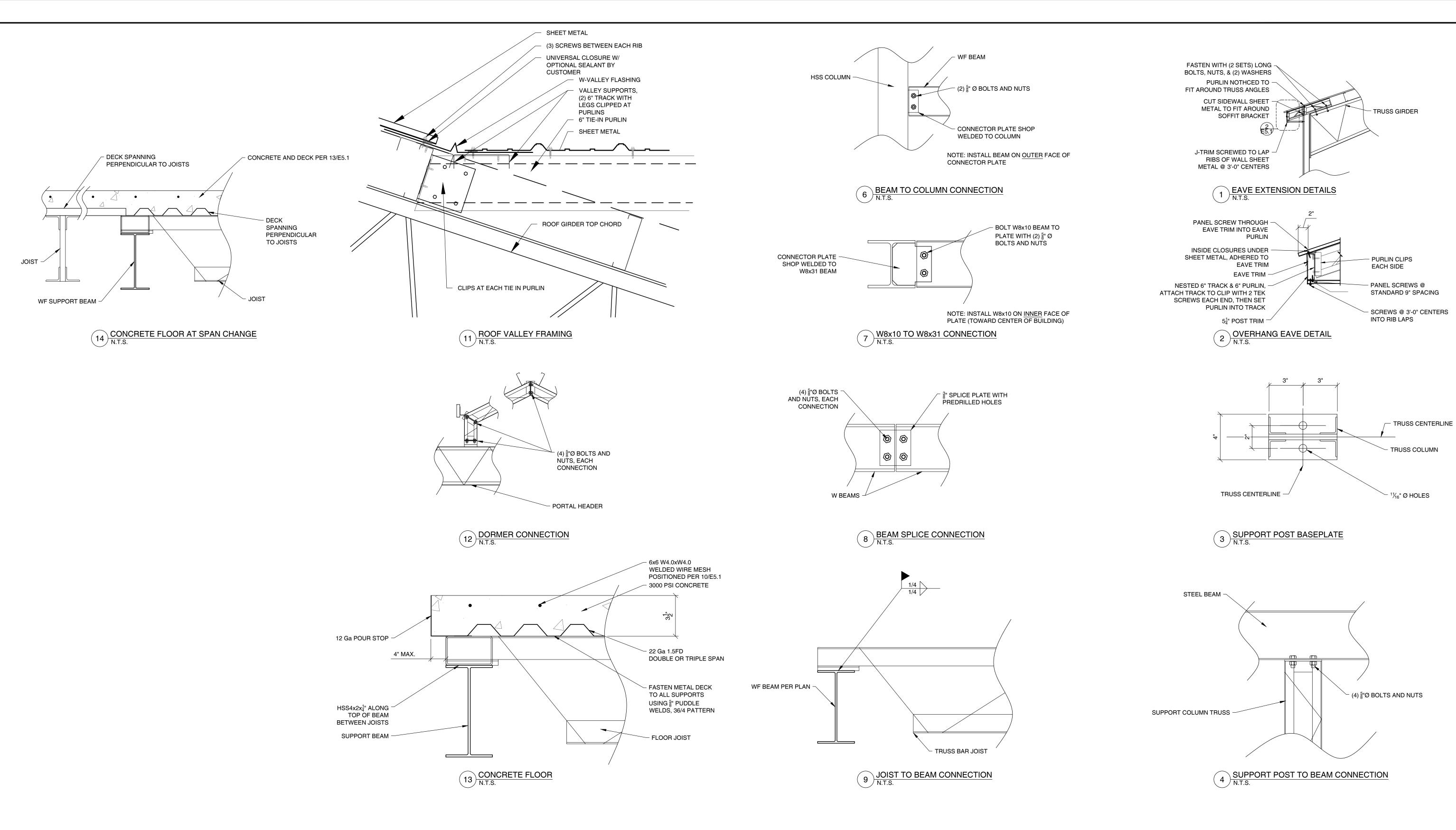
 $^{-}$  (4)  $\frac{3}{4}$  "Ø BOLTS, TOP AND

BOTTOM

DATE 02/14/2024 24.0001 JOB NUMBER

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E5.1



CONCRETE FLOOR REINFORCEMENT N.T.S.

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

CONNECTOR PLATES SHOP WELDED TO

COLUMN

HSS COLUMN -

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

- 3. SEE ERECTION DRAWINGS FOR ALL DIMENSIONS NOT SHOWN
- 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
- 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.

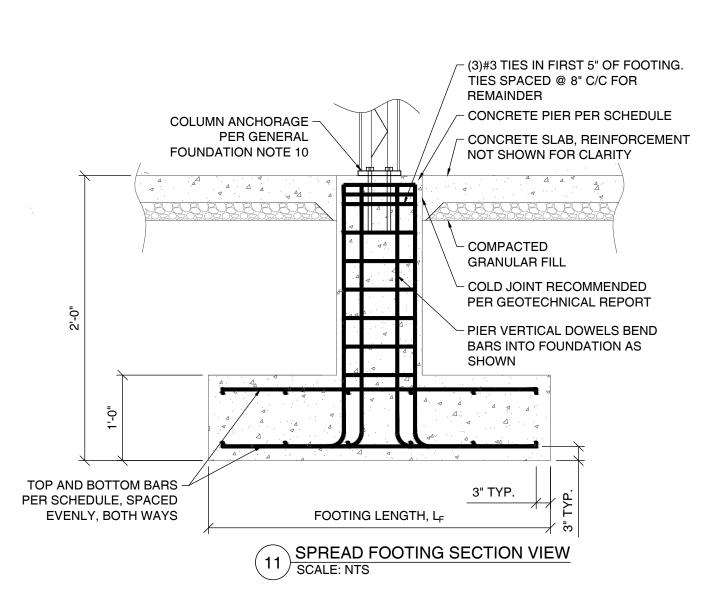
#### 10. ANCHORAGE OPTIONS:

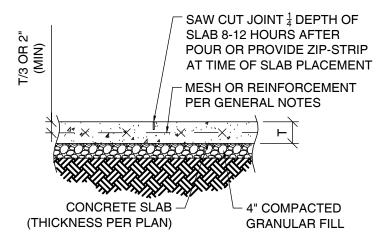
a. MAIN BUILDING FRAME: (DETAILS 1/F1.0 & 2/F1.0)

- CAST IN PLACE:
- •• 1/2" DIA.x12" LONG (MIN 8" EMBEDMENT) F1554 Gr. 36 THREADED ROD PROVIDE 3" 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)

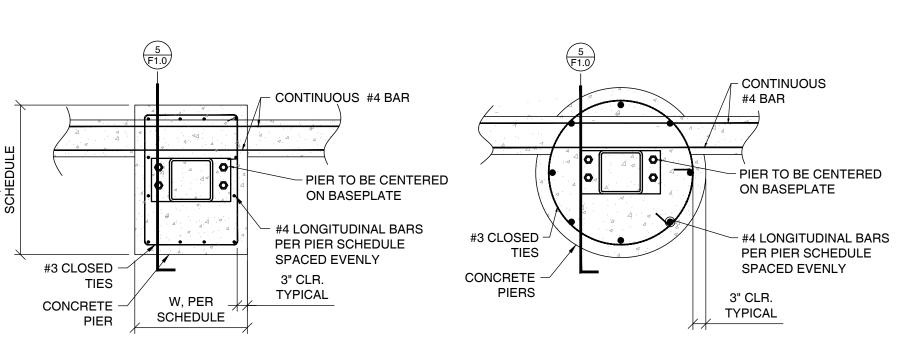
#### CAST IN PLACE:

- •• 1/2" DIA.x6" LONG (MIN 4" EMBEDMENT) F1554 Gr. 36 THREADED ROD PROVIDE 3" 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  $\frac{3}{8}$  PLATE WASHER AND DOUBLE NUT AT THE BOTTOM
- POST INSTALLED:
- 1/2" DIA.x6" LONG HILTI KWIK BOLT TZ2, MINIMUM 3<sup>1</sup>/<sub>4</sub>" **EMBEDMENT**





CRACK CONTROL JOINT



FOUNDATION SCHEDULE				
IARK	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			

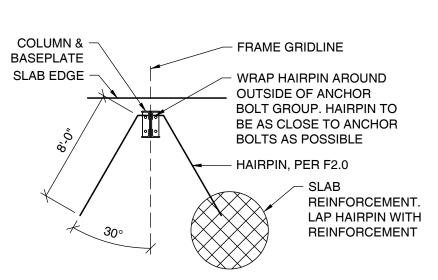
FOUNDATION SCHEDULE			
RK	DIAMETER (IN.)	DEPTH, (IN.)	NUMBER OF LONGITUDINAL BARS
1	30	30	18
2	ROUND OPTION NOT PERMITTED		
3			

#### RECTANGULAR PIER OPTION

#### CIRCULAR PIER OPTION

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 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

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

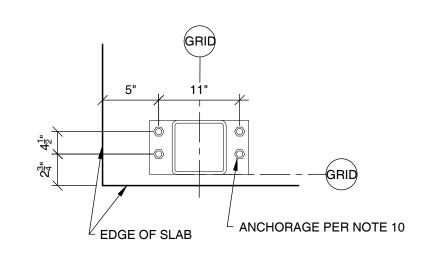


NOTE: HAIRPIN PLACEMENT IS CRITICAL. ANCHOR BOLTS MUST BE PLACED INSIDE OF HAIRPIN AS SHOWN TO ENSURE A PROPER LOAD PATH INTO THE SLAB

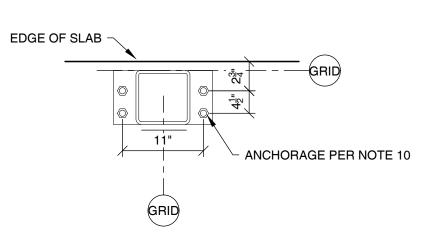
HAIRPIN DETAIL

SPREAD FOOTING SCHEDULE				
IARK	PIER DIMENSIONS, W <sub>P</sub> x L <sub>P</sub>	PIER VERTICAL DOWEL REINFORCEMENT	FOOTING DIMENSIONS, $W_F \times L_F$	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

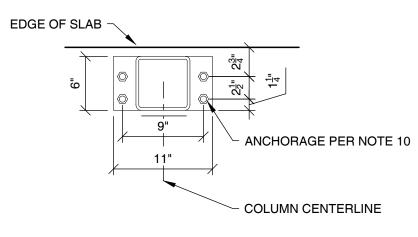
SPREAD FOOTING SCHEDULE
SCALE: NTS



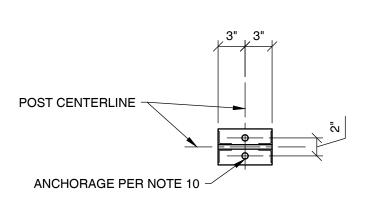
1 CORNER COLUMN ANCHORAGE
SCALE: NTS

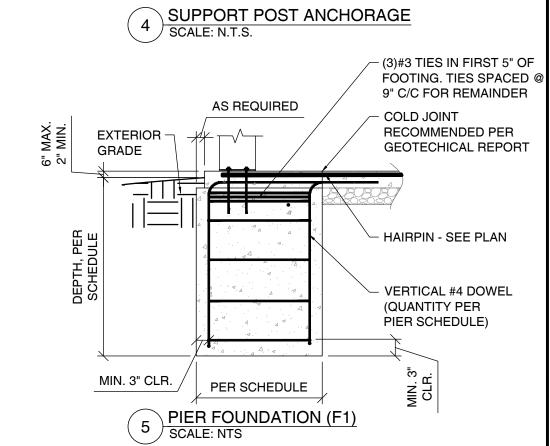


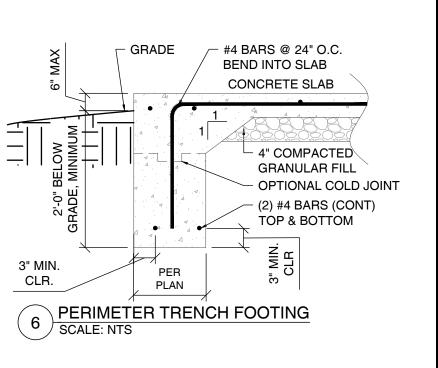
SIDEWALL COLUMN ANCHORAGE



3 ENDWALL COLUMN ANCHORAGE SCALE: NTS







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Government 7,3356 W

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Worldwide PO Box 588
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