STAGE AT:
NORTH LINCOLN AVE. COMMUNITY PARK

JONESBOROUGH, TENNESSEE

OWNER: TOWN OF JONESBOROUGH

ARCHITECT:

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DRAWING INDEX

ARCHITECTURAL/STRUCTURAL	REVISION DATE
COVER SHEET/ INDEX OF DRAWINGS	
A101 STAGE FLOOR PLAN, FOUNDATION PLAN, ROOF FRAMING PLAN, EXTERIOR ELEVATIONS AND DETAILS	

BUILDING CODE		
	2012 INTERNATIONAL BUILDING CODE	
	ASCE 7–10	
RISK CATEGORY	2012 IBC TABLE 1604.5	11
SLAB ON GRADE		
	NOT DESIGNED FOR CONCENTRATED LOADS	
ROOF DEAD LOAD	BEYOND SELF WEIGHT	
	STAGE AND PAVILION ROOF	6 PSF
ROOF LIVE LOAD	MINIMUM UNIFORM DESIGN LOAD	12 PSF
	MINIMUM CONCENTRATED LOAD (ALL PRIMARY ROOF MEMBERS)	300 LBS.
CONSTRUCTION		
	ROOF CONSTRUCTION PHASE LOADING	10 PSF
SNOW		
	SNOW IMPORTANCE FACTOR IS	1.0
	GROUND SNOW SNOW LOAD , Pg	15 PSF
	FLAT ROOF SNOW LOAD , Pf	12.6 PSF
	SNOW EXPOSURE FACTOR, Ce	1.0
	THERMAL FACTOR, Ct	1.2
	SLOPE FACTOR, Cs	1.0
	RAIN ON SNOW SURCHARGE	0 PSF
WIND		
	PROCEDURE	DIRECTIONAL (CH. 27 ASCE 7)
	BASIC WIND SPEED, V	115 MPH
	ALLOWABLE STRESS DESIGN WIND SPEED, Vasd	89 MPH
	WIND EXPOSURE CATEGORY	B
	INTERNAL PRESSURE COEFFICIENT, GCpi	0.00
	COEFFICIENTS AND CLADING	SEE CHART
SEISMIC		
	SEISMIC IMPORTANCE FACTOR, Ie	1.0
	MAPPED SPECTRAL RESPONSE, Ss	30.80%
	MAPPED SPECTRAL RESPONSE, S1	10.50%
	SITE CLASS	D
	SPECTRAL RESPONSE COEFFICIENT, Sds	31.90%
	SPECTRAL RESPONSE COEFFICIENT, Sd1	16.70%
	SEISMIC DESIGN CATEGORY	C
	SEISMIC–FORCE RESISTING SYSTEM	ASCE 7– TABLE 12.2–1
	CANTILEVER COLUMN SYSTEM DETAILED FOR TIMBER FRAME	
	SEISMIC RESPONSE COEFFICIENT, Cs	0.21
	SEISMIC MODIFICATION FACTOR, R	1.5
	ANALYSIS PROCEDURE	EQ. LATERAL FORCE
ICE		
	ICE THICKNESS	0.5 INCH
	GUST SPEED	30 MPH
RAIN		
	15–MINUTE PRECIPITATION INTENSITY	5.26 IN./HR.
	60–MINUTE PRECIPITATION INTENSITY	2.78 IN./HR.
FLOOD		
	FLOOD ZONE	X
RAILINGS		
	UNIFORM LOAD – ANY DIRECTION – APPLIED TO TOP	50 PLF
	CONCENTRATED LOAD – ANY DIRECTION – APPLIED TO TOP	200 LBS
	COMPONENTS (OVER 1 SQUARE FOOT)	50 LBS
SOIL		
	AT–REST COEFFICIENT, Ko	0.45
	ACTIVE COEFFICIENT, Ka	0.35
	PASSIVE COEFFICIENT, Kp	2
	UNIT WEIGHT OF SOIL	110 PCF
	MODULUS OF SUB–GRADE REACTION	75 PCI
	ALLOWABLE BEARING PRESSURE	2000 PSF

ROOF

	SURFACE PRESSURE (PSF)			
AREA	10 SF	20 SF	50 SF	100 SF
NEGATIVE ZONE 1	–24.8 PSF	–23.7 PSF	–22.2 PSF	–21.0 PSF
NEGATIVE ZONE 2	–30.6 PSF	–28.3 PSF	–25.2 PSF	–22.9 PSF
NEGATIVE ZONE 3	–55.4 PSF	–50.2 PSF	–43.4 PSF	–38.2 PSF
POSITIVE ALL ZONES	–16.0 PSF	–16.0 PSF	–16.0 PSF	–16.0 PSF

a = 3.4 FT. SEE DIAGRAMS

WALLS

	SURFACE PRESSURE (PSF)			
AREA	10 SF	20 SF	50 SF	100 SF
NEGATIVE ZONE 4	–17.2 PSF	–17.2 PSF	–16.1 PSF	–16.0 PSF
NEGATIVE ZONE 5	–34.4 PSF	–34.4 PSF	–30.0 PSF	–26.7 PSF
POSITIVE ZONE 4 & 5	17.2 PSF	17.2 PSF	16.0 PSF	16.0 PSF

STRUCTURAL NOTES:

A. CONTRACTOR SHALL VERIFY THE REQUIREMENT OF OTHER TRADES FOR SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES AND ADDITIONAL ITEMS TO BE PLACED OR SET SIMULTANEOUS WITH STRUCTURAL WORK.

B. DETAILS SHOWN ARE TYPICAL AND APPLY TO SIMILAR OR LIKE CONDITIONS.

C. DO NOT SCALE DRAWINGS, FOLLOW DIMENSIONS ON PLANS.

D. DO NOT CHANGE THE SIZE, LENGTH OR SPACING OF STRUCTURAL ELEMENTS WITHOUT APPROVAL OF STRUCTURAL ENGINEER.

E. DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING AND TEMPORARY SUPPORTS IS THE SOLE RESPONSIBILITY OF CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH OSHA SAFETY REGULATIONS.

F. BEAMS/JOISTS/COLUMNS: DO NOT CUT/CORE/DAMAGE EXISTING BEAMS/JOISTS/COLUMNS OR OTHER MAJOR STRUCTURAL ELEMENTS OF THE BUILDING UNLESS SPECIFICALLY DETAILED. SHOULD ACCIDENTAL DAMAGE OCCUR, CONTACT STRUCTURAL ENGINEER PRIOR TO PROCEEDING.

EARTHWORK FOR STRUCTURES:

A. SUBGRADES AND COMPACTED FILL SHALL BE OBSERVED BY A GEOTECHNICAL ENGINEER OR TECHNICIAN TO VERIFY CONFORMANCE.

B. SLAB-ON-GRADE PREPARATION:
1. PROOFROLL SUBGRADE AS DESCRIBED BELOW
2. EXTERIOR SLABS:
   a. UNDERLAIN BY MINIMUM 6 INCHES THICK NO. 57 CRUSHED STONE BED. DO NOT PLACE PIPE/CONDUIT WITHIN THE STONE BED.

C. COMPACTED FILL/BACKFILL:
1. PROOFROLL SUBGRADE PER BELOW
2. PERFORM DENSITY AND MOISTURE TESTING: MINIMUM OF ONE TEST PER LIFT
3. PLACED IN LOOSE LIFTS NOT EXCEEDING 4 INCHES IN THICKNESS.
4. COMPACTED TO 98 PERCENT MAXIMUM DRY DENSITY PER ASTM D-698, STANDARD PROCTOR.
5. MOISTURE CONTENT WITHIN 2 PERCENT OF OPTIMUM
6. SHALL BE FREE OF BOULDERS, ORGANICS, TRASH, PARTICLES OF 3 INCHES OR MORE IN DIAMETER, AND OTHER DELETERIOUS MATERIAL
7. PLASTICITY INDEX LESS THAN 30
8. USE ONLY MECHANICAL HAND TAMPS OR SMALL VIBRATORY COMPACTORS/ROLLERS, NOT EXCEEDING 3000 POUNDS WEIGHT WITHIN BUILDING FOOTPRINT.
9. SUBGRADES REQUIRING UNDERCUTTING SHALL BE BACKFILLED WITH COMPACTED FILL OR AN OPEN GRADED CRUSHED STONE TO THE ORIGINAL DESIGN SUBGRADE ELEVATION.
10. DO NOT PLACE COMPACTED FILL ON FROZEN OR OVER-WET SUBGRADES.

D. PROOFROLLING:
1. SLAB-ON-GRADE SUBGRADES
2. NATURAL SUBGRADES BELOW AREAS TO RECEIVE COMPACTED FILL
3. PROOFROLL USING A LOADED DUMP TRUCK OR RUBBER TIRED ROLLER.
4. AREAS WHICH EXHIBIT EXCESSIVE PUMPING, WEAVING OR RUTTING SHALL BE UNDERCUT, ALLOWED TO DRY AND RECOMPACTED OR EXCAVATED AND REPLACED WITH COMPACTED FILL OR OPEN GRADED STONE.

E. UNSUITABLE, LOOSE OR SOFT SOIL SHALL BE REMOVED FROM THE EXCAVATION PRIOR TO PLACING FILL, STONE OR CONCRETE. DISTURBED, UNSUITABLE, OR EXCAVATED MATERIAL OCCURRING BELOW 45 DEGREES FROM HORIZONTAL BEGINNING AT THE BOTTOM MOST OUTER EDGE OF WALLS OR FOUNDATIONS SHALL BE REPLACED WITH COMPACTED FILL.

F. BLASTING IS NOT PERMITTED WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER AND OWNER. ALTERNATIVE ROCK BREAKING METHODS MAY BE USED, SUBMIT FOR REVIEW PRIOR TO USE.

G. IF NON-UNIFORM ROCK OR DISINTEGRATED ROCK IS ENCOUNTERED AT FOUNDATION DESIGN SUBGRADE ELEVATION, UNDERCUT THIS MATERIAL ONE FOOT MINIMUM AND REPLACE WITH COMPACTED FILL.

H. EVIDENCE OF KARST ACTIVITY OR SINKHOLES SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER PRIOR TO PROCCEDING.

I. SLOPE EXCAVATIONS, INSTALL SWALES AND/OR DEWATERING PUMPS TO MAINTAIN DRY SOIL CONDITIONS AND PREVENT STANDING WATER IN EXCAVATIONS FOR FOUNDATIONS AND SLABS.

CONCRETE AND REINFORCEMENT:

A. GENERAL CONCRETE SHALL BE:

LOCATION	WEIGHT	STRENGTH (PSI)	AIR (%) (+/– 1%)	SLUMP (IN.) (+/– 1/2)	MAX W/C RATIO	EXPOSURE CATEGORY
FOUNDATION	NW	3000	4.5	5	0.45	F0
EXTERIOR SLAB ON GRADE (WITH STRUCTURAL FIBEROUS)	NW	4000	5.5–6	4	0.45	F3
MISCELLANEOUS	NW	3000	N/A	4	0.50	FX

FIELD SAMPLES SHALL BE OBTAINED FROM MIDDLE OF BATCH

1. NORMAL WEIGHT (NW) CONCRETE SHALL BE 145 - 150 PCF
2. SLUMPS ABOVE ARE PRIOR TO ADDITION OF PLASTICIZERS OR MID RANGE WATER REDUCER. MAXIMUM SLUMP AFTER APPROVED ADDITIVES SHALL BE 8 INCHES MAXIMUM.
3. MATERIALS:
   CEMENT: ASTM C 150 TYPE I/II
   FLY ASH: ASTM C618 CLASS C OR F, 20% MAX.
   AGGREGATE: ASTM C33, GRADED, 1-1/2 INCH MAX
4. FIBROUS REINFORCEMENT (STRUCTURAL):
   TUF-STRAND SF BY EUCLID CHEMICAL COMPANY
   FIBERMESH 650S BY PROPEX CONCRETE SYSTEMS
   FORTA-FERRO BY FORTA
   MINIMUM OF 3.0 POUNDS PER CUBIC YARD

B. CONCRETE WORK SHALL BE IN FULL ACCORDANCE WITH:
AMERICAN CONCRETE INSTITUTE (ACI) 301, 315, AND 318
CRSI RECOMMENDED PRACTICE OF PLACING REINFORCING BARS
ACI 117 FOR PLACEMENT TOLERANCES (CONCRETE AND REINFORCEMENT)
ACI 302.1 CONRETE FLOOR AND SLAB CONSTRUCTION
ACI 306 AND ACI 305 COLD/HOT WEATHER CONCRETING
ACI 308.1 FOR CURING OF CONCRETE
ACI 309R-05 GUIDE FOR CONSOLIDATION OF CONCRETE
ACI 544.2R MEASURMENT OF PROPERTIES OF FIBER REINFORCED CONCRETE
ACI 544.3R GUIDE FOR SPECIFYING, PROPORTIONING, AND PRODUCTION OF FIBER-REINFORCED CONCRETE
ACI "MANUAL OF STANDARD PRACTICES FOR DETAILING REINFORCED CONCRETE STRUCTURES".

C. SLABS GENERAL
1. CEMENTITIOUS MATERIAL CONTENT IN ACCORDANCE WITH TABLE 6.2 OF ACI 302.1.
2. FINE AGGREGATE: BLENDED
3. FLOOR FLATNESS:
a. PER ACI 302 AND ACI 117
b. CLASS B (1/4-INCH IN 10 FEET)

D. SLAB CONTROL JOINTS:
1. CUT IN ACCORDANCE WITH ACI 302.1R
2. CUT AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN 4 HOURS OF SLAB PLACEMENT
3. USE OF EARLY ACCESS SAW
4. LENGTH TO WIDTH RATIOS OF PATTERN SHALL NOT EXCEED 1.25
5. JOINTS SHOWN ON THE PLANS ARE GUIDELINES. CONTRACTOR SHALL SUBMIT PLAN OF JOINT LOCATIONS AND PROPOSED INSTALLATION.
6. EPOXY JOINT FILLER SHALL BE INSTALLED IN SLAB JOINTS AFTER ALL CONSTRUCTION TRAFFIC HAS TERMINATED.
7. USE 'SOFT CUT' EARLY-ACCESS SAW - USE HIGH SPEED 3600 RPM (MIN.) SAW ON STEEL FIBER REINFORCED SLABS.

E. REINFORCING:
1. ASTM A615, GRADE 60 FOR DEFORMED BARS
2. ASTM A185, FOR FLAT SHEET WELDED WIRE FABRIC
3. DEVELOPMENT LENGTH FOR REINFORCEMENT (DB = BAR DIAMETER):

STRENGTH	DEVELOPMENT LENGTH, LD #6 AND SMALLER	#7 AND LARGER	HOOK, LDH
3000 PSI	44 DB	55 DB	22 DB
4000 PSI	38 DB	47 DB	19 DB

4. DEVELOPMENT LENGTH MINIMUM OF 12 INCHES. HOOK DEVELOPMENT LENGTH MINIMUM 6 INCHES. DEVELOPMENT LENGTH ADJUSTMENTS:
   CLASS B TENSION LAPS: ABOVE MULTIPLIED BY 1.3.
5. SPLICES SHALL BE CLASS B TENSION SPLICES UNLESS NOTED. WELDED WIRE FABRIC SHALL HAVE A MINIMUM LAP OF 6 INCHES.
6. CONCRETE CLEAR COVER SHALL BE (UNLESS NOTED OTHERWISE):
   BELOW GRADE (UNFORMED) 3"
   BELOW GRADE (FORMED) 2"
   SLABS 3/4"
7. PROVIDE DOWELS IN FOUNDATIONS TO MATCH THE SIZE AND QUANTITY AS VERTICAL WALL REINFORCEMENT.
8. PROVIDE CORNER BARS AT CORNERS AND INTERSECTING WALLS.

H. CONCRETE FINISHES:
1. SLAB SHALL RECEIVE A TROWEL FINISH.
2. EXTERIOR SIDEWALKS, RAMPS, STEPS AND PLATFORMS SHALL RECEIVE A NONSLIP BROOM FINISH
3. PROVIDE 1-INCH CHAMFER AT EXPOSED CONCRETE CORNERS

I. REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE ACCURATELY PLACED IN THE POSITIONS SHOWN, TIED AND SUPPORTED BEFORE CONCRETE IS PLACED TO PREVENT DISPLACEMENT BEYOND PERMITTED TOLERANCES.

J. EPOXY GROUTING OF DEFORMED BAR DOWELS OR ANCHOR RODS INTO EXISTING OR HARDENED CONCRETE SHALL BE INSTALLED ACCORDING TO EPOXY MANUFACTURERS RECOMMENDATION TO PROVIDE FULL DEVELOPMENT OF THE BAR OR BOLT FOR THE SPECIFIC CONCRETE STRENGTH AT POINT OF ATTACHMENT.
1. APPLY LOADS ONLY AFTER EPOXY HAS REACHED FULL STRENGTH.
2. ALL PARTS OF ANCHORING SYSTEM (RODS, NUTS, WASHERS, BITS, EPOXY, ETC.) SHALL BE FROM A SINGLE SUPPLIER.
3. WORK MUST BE PERFORMED BY ACI CERTIFIED EPOXY ANCHOR INSTALLER.

K. NO REPAIR OR RUBBING OF CONCRETE SHALL BE MADE PRIOR TO INSPECTION BY ARCHITECT/ENGINEER OR OWNER'S REPRESENTATIVE.

CONCRETE MASONRY:

A. MASONRY CONSTRUCTION SHALL BE IN CONFORMANCE WITH:
1. THE MASONRY SOCIETY (TMS) 402 / 602 "BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES" – ALLOWABLE STRESS DESIGN
2. TMS 602 FOR PLACEMENT TOLERANCES FOR MASONRY & REINFORCEMENT
3. TMS 602 FOR COLD/HOT WEATHER METHODS
4. ACI "MANUAL OF STANDARD PRACTICES FOR DETAILING REINFORCED CONCRETE STRUCTURES"
5. ASTM C91 "STANDARD SPECIFICATION FOR MASONRY CEMENT"

B. MASONRY UNITS:
1. ASTM C90 GRADE N TYPE II, NON-MOISTURE CONTROLLED
2. MINIMUM NET COMPRESSIVE STRENGTH:
   CONCRETE MASONRY UNITS: 1900 PSI NET AREA AT TIME OF DELIVERY
   MASONRY ASSEMBLAGE (f'm): 1500 PSI AT 28 DAYS
3. WEIGHT: NORMAL

C. MASONRY CEMENT :
1. TYPE S, FULL BEDDING

D. GROUT (ALL CELLS OF CMU FOUNDATION WALL):
1. ASTM C-476 FINE PER GROUT SPACE REQUIREMENTS IN TABLE 3.2.1 OF TMS 602
2. MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2000 PSI
3. BE CONSOLIDATED BY MECHANICAL VIBRATION
4. PLACED PER SECTION 3.5 OF TMS 602

E. REINFORCING:
1. ASTM A615, GRADE 60 FOR DEFORMED BARS
2. JOINT REINFORCEMENT:
   PLACE IN ALL WALLS – INTERIOR, EXTERIOR, BEARING, NON-BEARING AND RETAINING
   9 GAGE LADDER TYPE
   16" ON CENTER VERTICAL SPACING MAXIMUM
   HOOK & EYE AT VENEER
   INCORPORATE PRE-FORMED T'S AND EL'S AT CORNERS
   SPLICE 8-INCHES
3. MINIMUM REINFORCEMENT (UNLESS NOTE OTHERWISE) (1) VERTICAL #5 VERTICAL BAR:
   AT EACH CORNER
   AT END OF WALLS
   4'-0" O.C.
4. UNLESS OTHERWISE SHOWN, GROUT CAVITY BETWEEN MASONRY VENEER AND CMU BACKUP WHEN BELOW GRADE/SLAB LEVEL.
5. LOCATE VERTICAL REINFORCEMENT IN MIDDLE OF CELLS UNLESS NOTED OTHERWISE. USE REBAR POSITIONERS.

STRUCTURAL WOOD:

A. FASTENING:
1. AS INDICATED ON PLANS, SECTIONS AND DETAILS WITH MINIMUM OF:
   a. IBC 2012 TABLE 2304.9.1

B. MISCELLANEOUS MATERIALS SHALL COMPLY WITH:
1. STEEL PLATES — ASTM A36
   a. WELDING — E70XX ELECTRODES
2. BOLTS / NUTS — ASTM A307 / ASTM A563
3. LAG SCREWS — ANSI / ASME STANDARD B18.2.1
4. WOOD SCREWS — ASME B18.6.1 GALVANIZED
5. NAILS — ASTM F1667 GALVANIZED
6. ALL PRESSURE TREATED LUMBER FASTENERS — AISI/ASTM GRADE 316 / 305 / 304 STAINLESS
7. CONNECTORS TO MASONRY OR CONCRETE:
   a. RED HEAD — TAPCON
   b. HILTI — KWIK-CON II
   c. SIMPSON — TITEN 2

C. METAL FRAMING CONNECTORS AND ACCESSORIES:
1. STEEL SHEET GALVANIZED G60; ASTM A 653 OR HSLAS TYPE A OR B
   a. PRESSURE TREATED WOOD: STEEL SHEET GALVANIZED G185; ASTM A 653

D. SAWN LUMBER:
1. DEPT. OF COMMERCE (DOC) VOLUNTARY PRODUCT STANDARD PS 20 AMERICAN SOFTWOOD LUMBER STANDARD
2. AMERICAN WOOD COUNCIL (AWC):
   a. ANSI/AWC NDS NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION
   b. NATIONAL DESIGN SPECIFICATION SUPPLEMENT
   c. AWC SDPWS SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC
3. GRADE STAMP ALL LUMBER OR PROVIDE WRITTEN CONFIRMATION OF GRADE AND COMPLIANCE WITH THESE REQUIREMENTS
   a. CONCEAL STAMPS OR PROVIDE NON-STAMPED MATERIAL FOR EXPOSED LUMBER.
4. GRADE: NO. 2 (MIN.) SOUTHERN PINE (SP) PER AGENCY CERTIFIED BY AMERICAN LUMBER STANDARD COMMITTEE (ALSC)
5. MOISTURE CONTENT: SURFACE DRY AT (19) PERCENT MAXIMUM

E. WOOD STRUCTURAL PANELS:
1. DEPT. OF COMMERCE (DOC) VOLUNTARY PRODUCT STANDARD PS 1 STRUCTURAL PLYWOOD
2. APA PDS PANEL DESIGN SPECIFICATION AND SUPPLEMENTS
3. AS DESCRIBED AND SPECIFIED IN IBC 2303.1.5
4. SHALL BE INSTALLED CONTINUOUS OVER TWO OR MORE SPANS WITH FACE GRAIN PERPENDICULAR TO SUPPORTS.
5. ALL PANEL JOINTS SHALL OCCUR OVER FRAMING.
6. PROVIDE EDGE SUPPORT WHERE INDICATED ON DRAWINGS OR AS RECOMMENDED BY ABOVE REFERENCES.
7. ROOF SHEATHING
   a. ADVANTECH SHEATHING BY HUBER ENGINEERED WOODS
   b. THICKNESS — 5/8-INCH THICK
   c. TONGUE & GROVE
   d. ATTACHMENT
   i. PER IBC TABLE 2304.10.1

F. GLUED LAMINATED TIMBER
1. ANSI/AITC A190.1 STRUCTURAL GLUED-LAMINATED TIMBER
2. ASTM D 3737 PRACTICE FOR ESTABLISHING ALLOWABLE PROPERTIES FOR STRUCTURAL GLUED-LAMINATED TIMBER
3. EWS R540 BUILDERS TIPS: PROPER STORAGE AND HANDLING OF GLULAM BEAMS
4. EWS S560 FIELD NOTCHING AND DRILLING OF GLUED LAMINATED TIMBER BEAMS
5. AITC 111 RECOMMENDED PRACTICE FOR PROTECTION OF STRUCTURAL GLUED LAMINATED TIMBER DURING TRANSIT, STORAGE AND ERECTION.
6. AITC 109 STANDARD FOR PRESERVATIVE TREATMENT OF STRUCTURAL GLUED LAMINATED TIMBER
7. AITC 110 STANDARD APPEARANCE GRADES FOR STRUCTURAL GLUED LAMINATED TIMBER
   a. AITC PREMIUM, AITC ARCHITECTURAL, AITC INDUSTRIAL, RUSTIQUE.
   b. FINISH SHALL BE (FACTORY APPLIED PENETRATING SEALER, FACTORY FINISH WITH (1) COAT OF STAIN).
8. ADHESIVES: WET-USE (WATERPROOF) ASTM D2559

G. LAMINATED VENEER LUMBER (LVL)
1. ASTM D 5456 STANDARD SPECIFICATION FOR EVALUATION OF STRUCTURAL COMPOSITE LUMBER PRODUCTS

H. LATERAL SUPPORT FOR ROOF FRAMING (2012 IBC 2308.8.5): WHERE NOMINAL DEPTH TO THICKNESS RATIO OF THE FRAMING MEMBER EXCEEDS 6:1; THERE SHALL BE ONE LINE OF BRIDGING FOR EACH 8 FT. OF SPAN. BRIDGING SHALL CONSIST OF NOT LESS THAN 1 IN. X 3 IN. LUMBER, DOUBLE NAILED AT EACH END, OF EQUIVALENT METAL BRACING OF EQUAL RIGIDITY OR FULL DEPTH BLOCKING.

I. DO NOT CUT OR NOTCH BUILT UP OR SOLID WOOD COLUMNS, POSTS, GIRDERS OR OTHER KEY STRUCTURAL ELEMENTS.

J. PRESERVATIVE TREATMENT - PER AMERICIAN WOOD PRESERVERS ASSOCIATION (AWPA) U1 PER TABLE 2-1 SERVICE CONDITIONS FOR USE CATEGORY DESIGNATIONS:
1. ABOVE GROUND - EXPOSED — UC3B
2. GROUND CONTACT - HEAVY DUTY — UC4B
   TYPICAL APPLICATIONS PROVIDED ABOVE ARE REPRESENTATIVE BUT NOT EXHAUSTIVE. USE APPROPRIATE USE CATEGORY FOR VARIOUS INSTALLATIONS PER TABLE 2-1.
3. PROVIDE AWPA VERIFICATION FOR MATERIALS TO BE USED.
   a. CONCEAL STAMPS OR PROVIDE NON-STAMPED MATERIAL FOR EXPOSED LUMBER.
4. KILN-DRY LUMBER AFTER PRESERVATIVE TREATMENT TO 19 PERCENT MAXIMUM MOISTURE CONTENT.

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NORTH LINCOLN AVE. COMMUNITY PARK

JONESBOROUGH, TENNESSEE

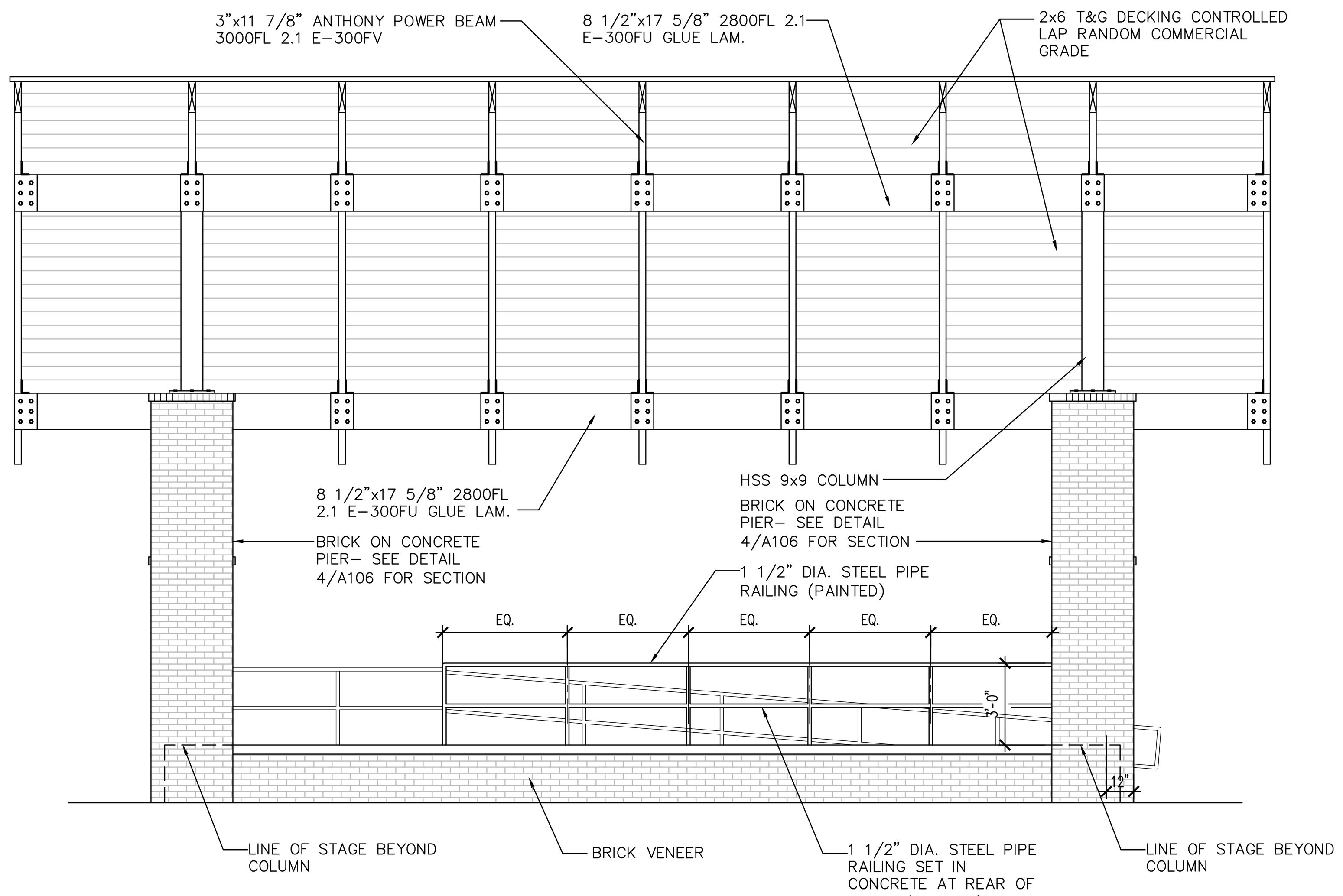
Date: SEPTEMBER 19, 2019

Revisions:

Drawn by: DEA

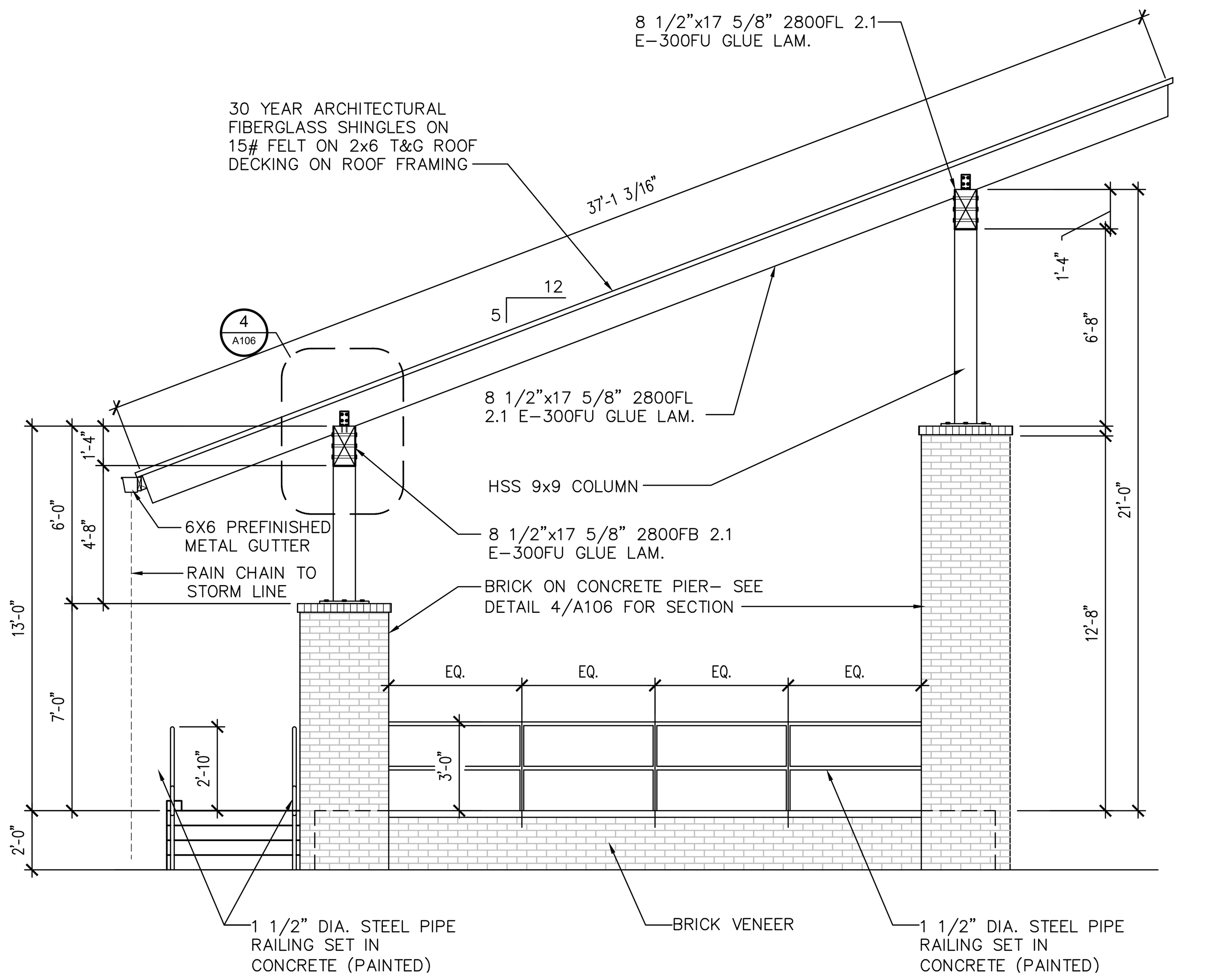
Job No. 18030

Sheet description: STRUCTURAL NOTES



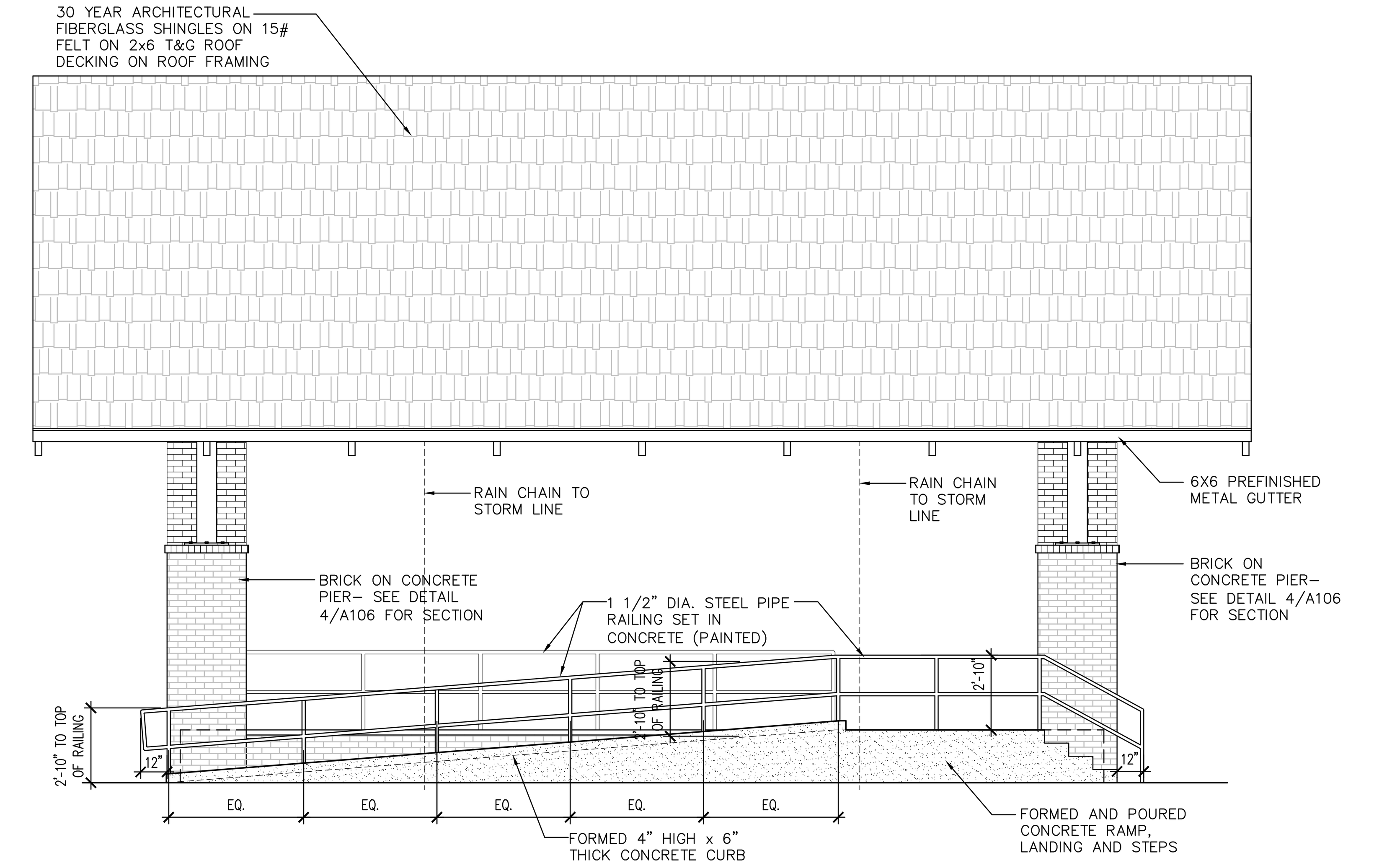
FRONT ELEVATION

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



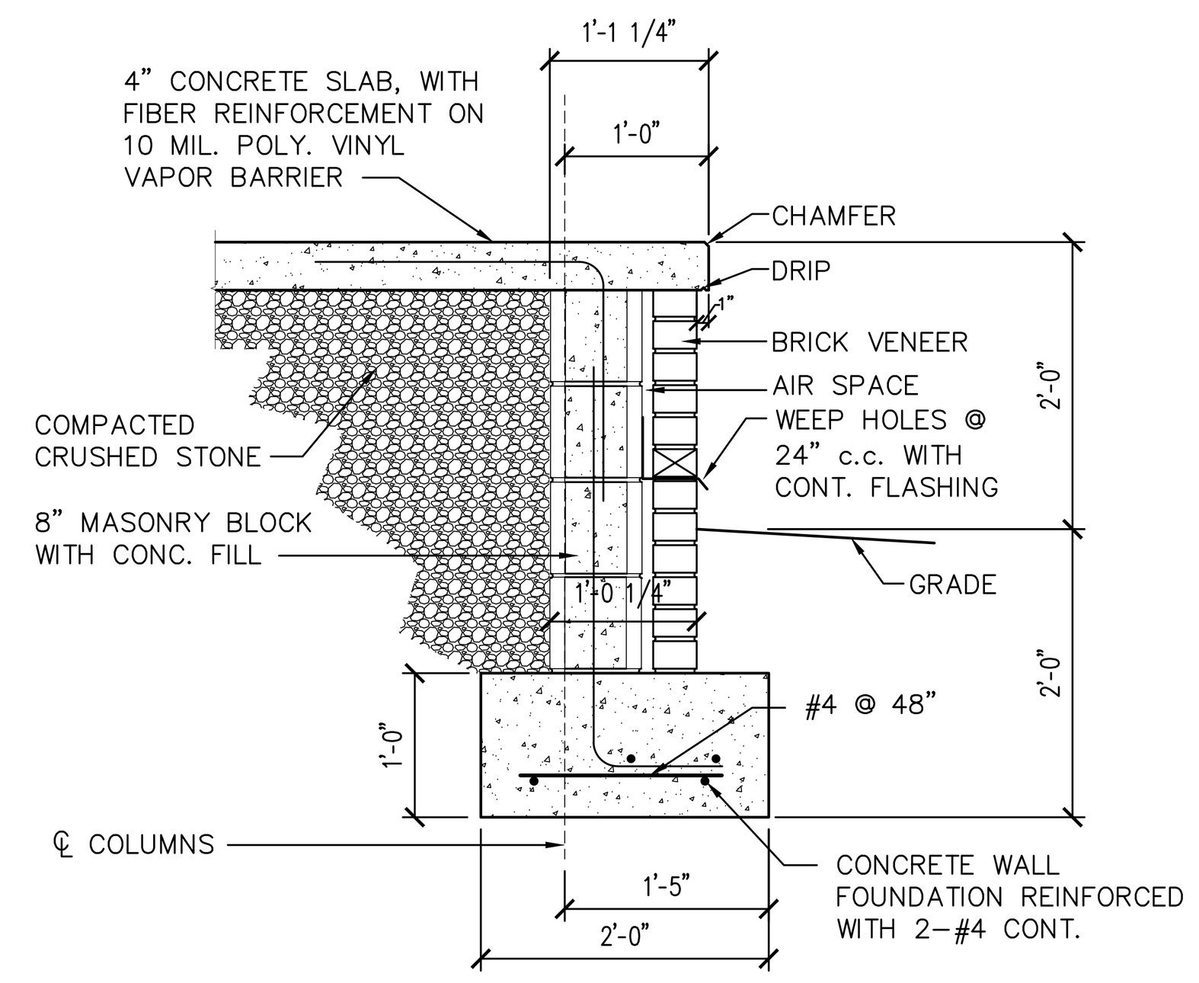
LEFT SIDE ELEVATION

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



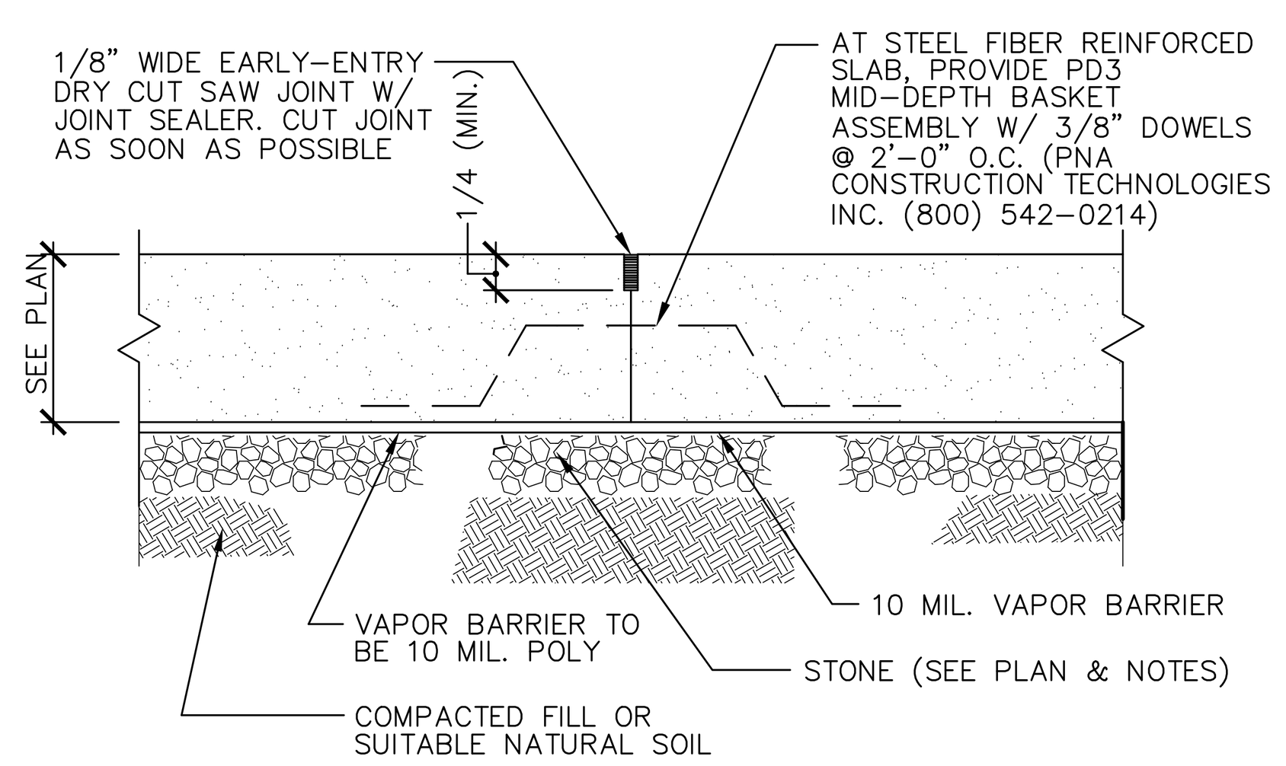
REAR ELEVATION

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



1 A106 FOUNDATION DETAIL

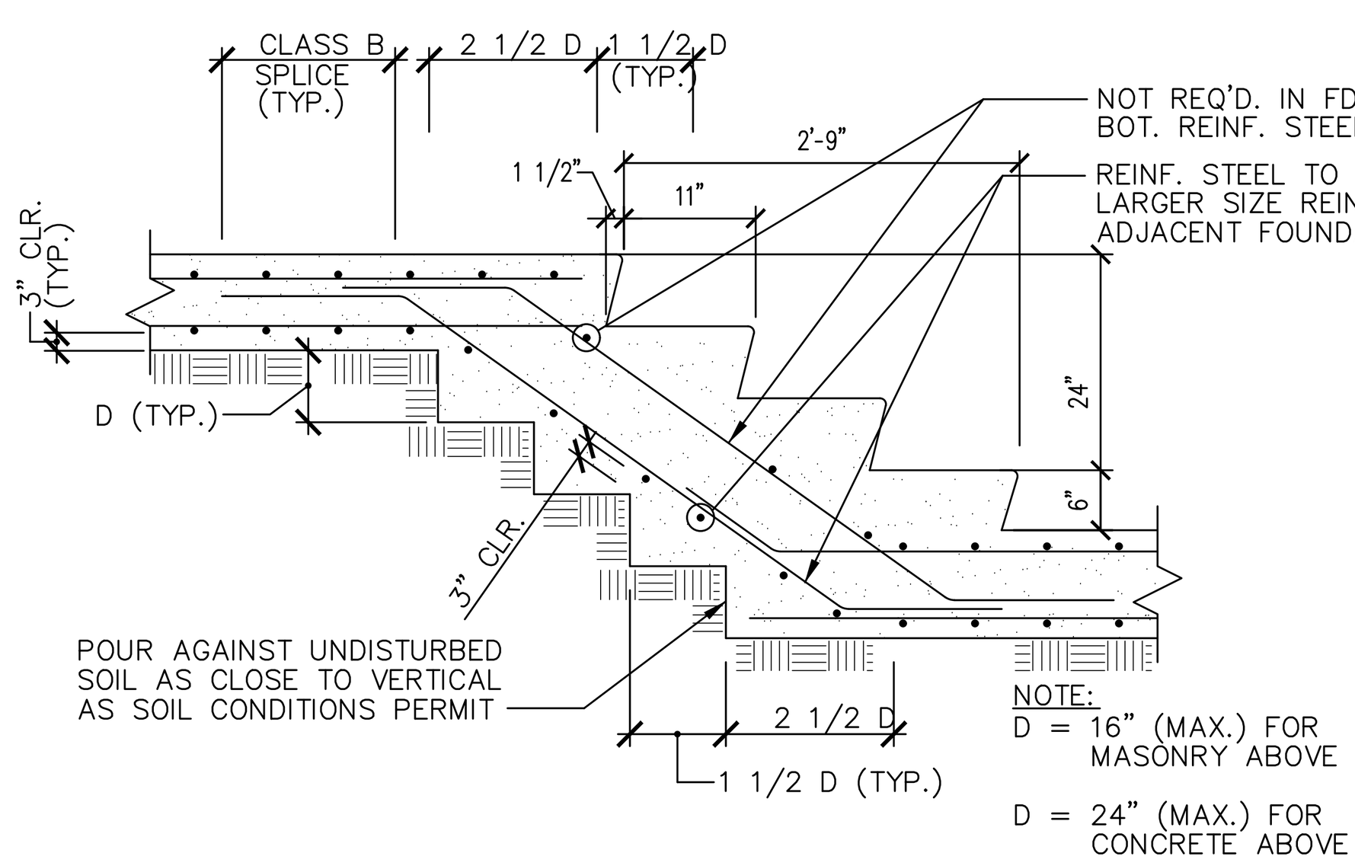
SCALE: 3/4" = 1'-0"



(COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS AND FINISHES FOR APPEARANCE)

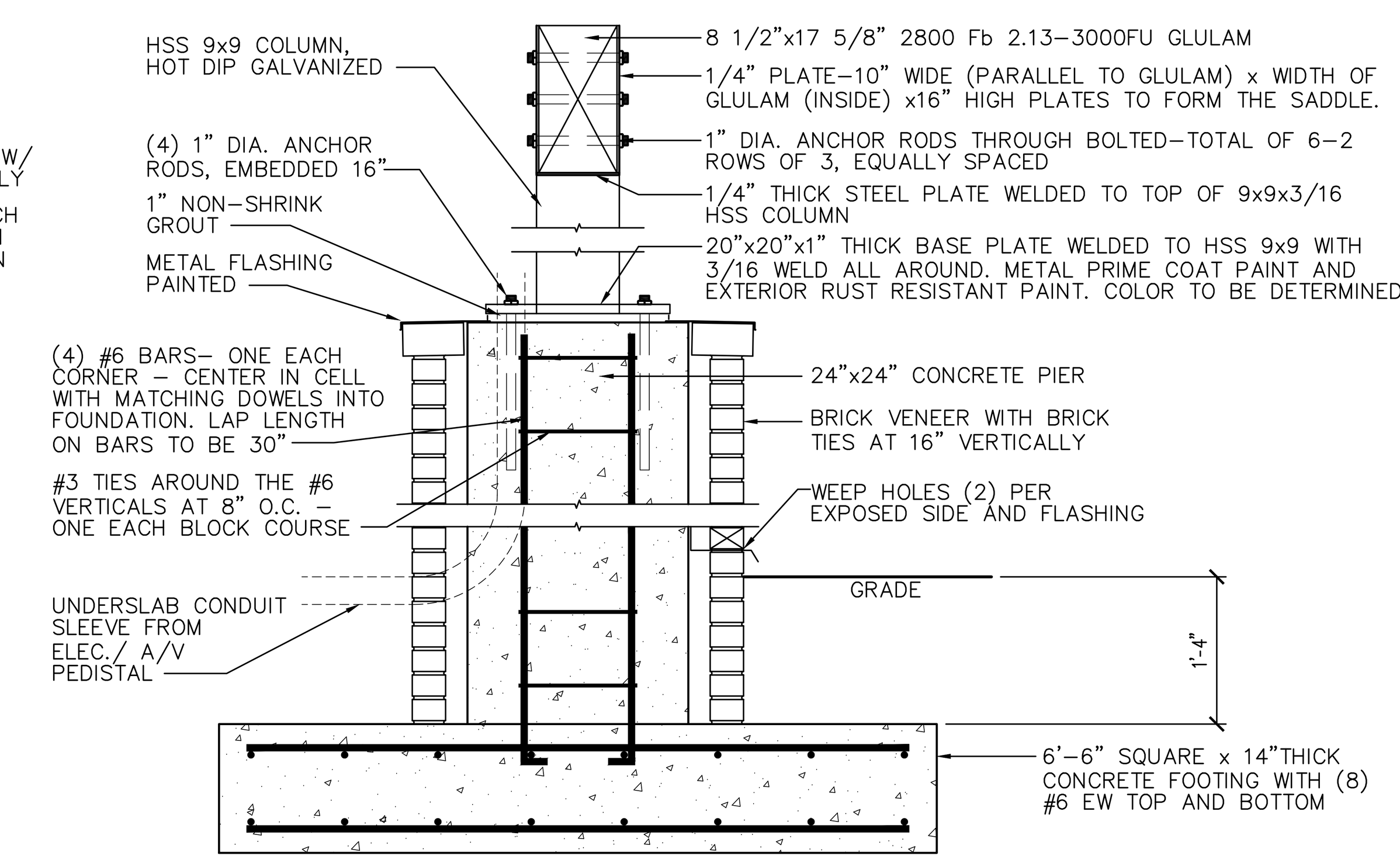
2 A106 TYPICAL FIBER REINFORCED SLAB CONTRACTION JOINT (CTJ)

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



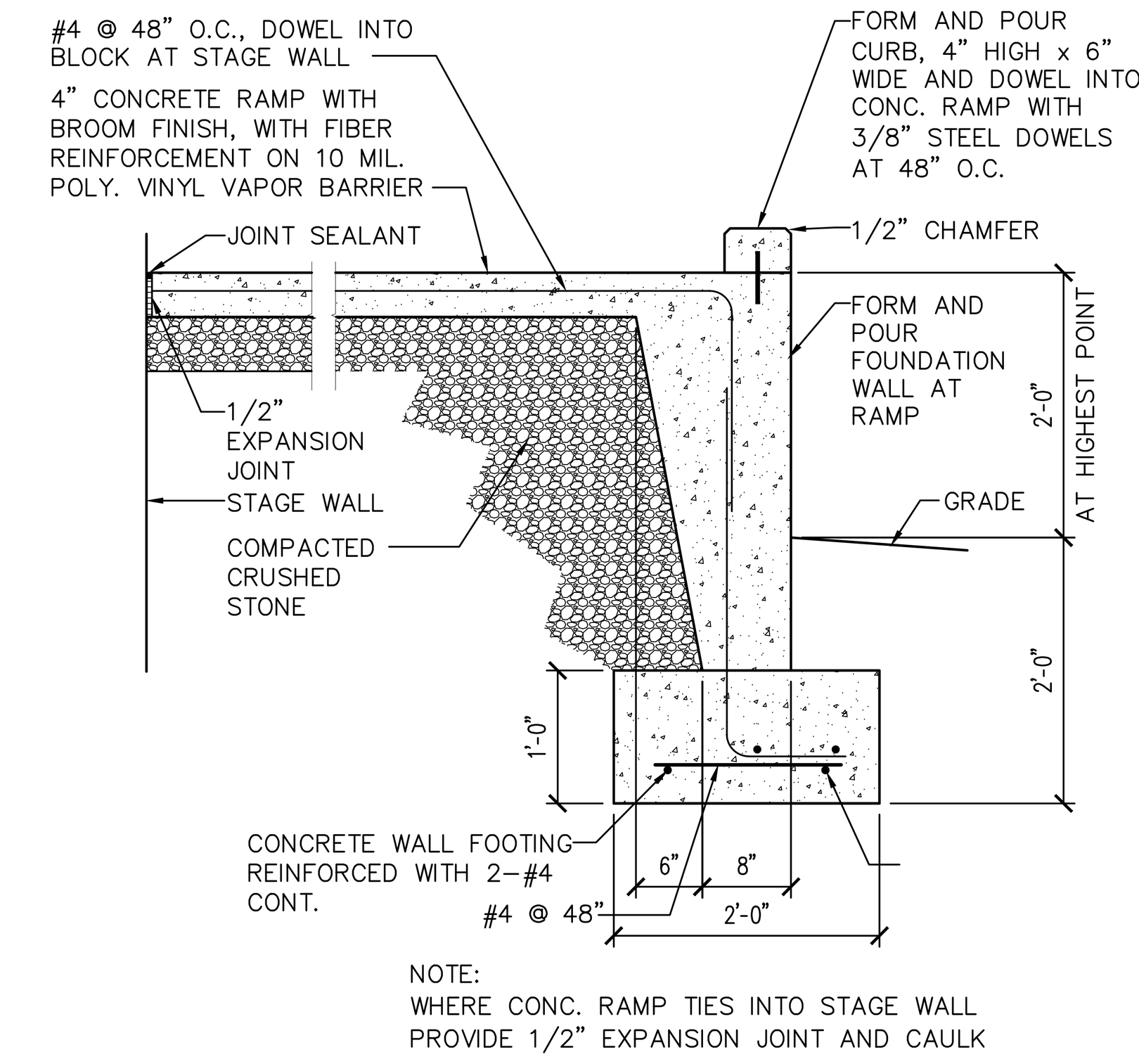
3 A106 STEP FOUNDATION

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



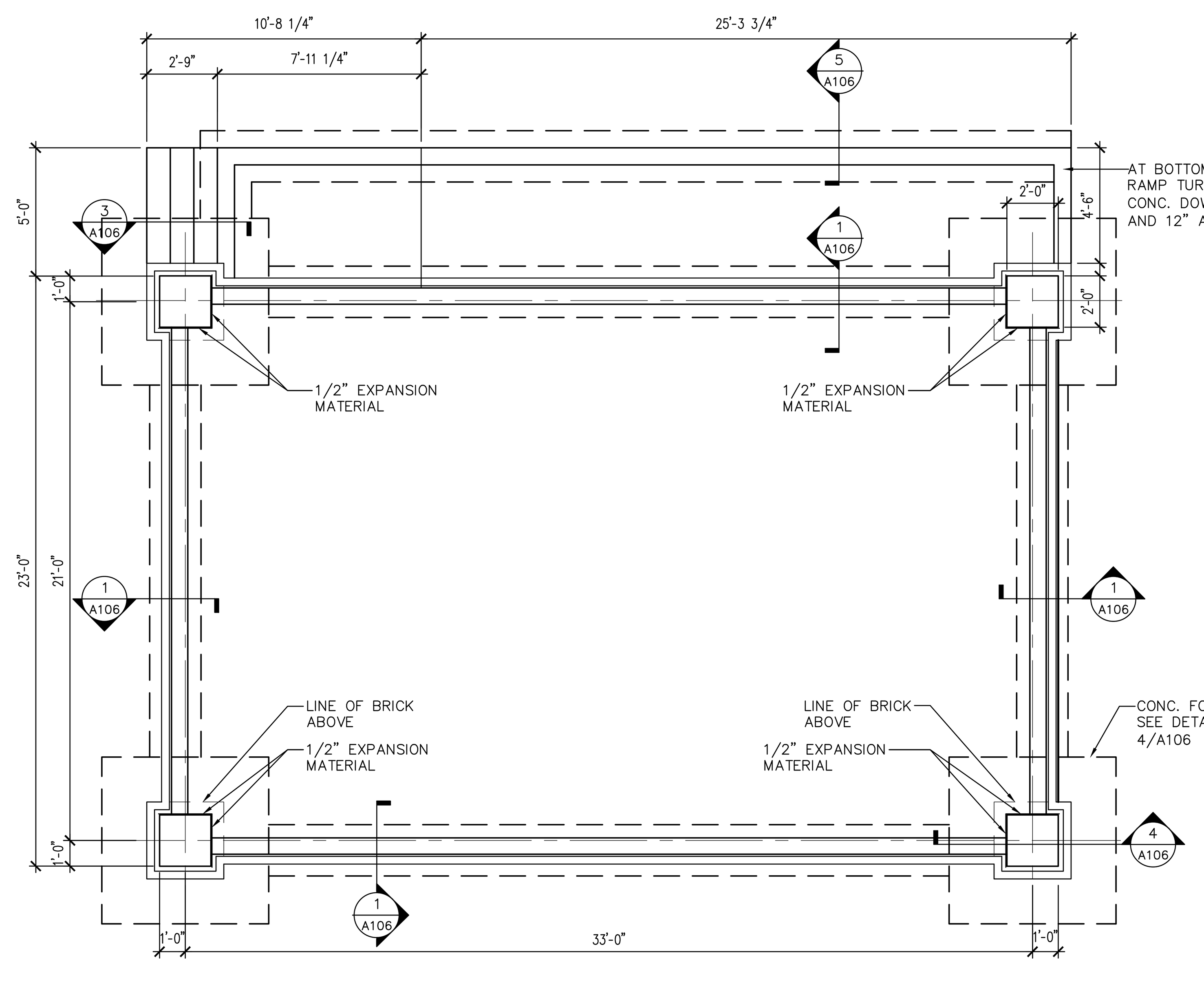
4 A106 PILASTER/COLUMN/BEAM DETAIL

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



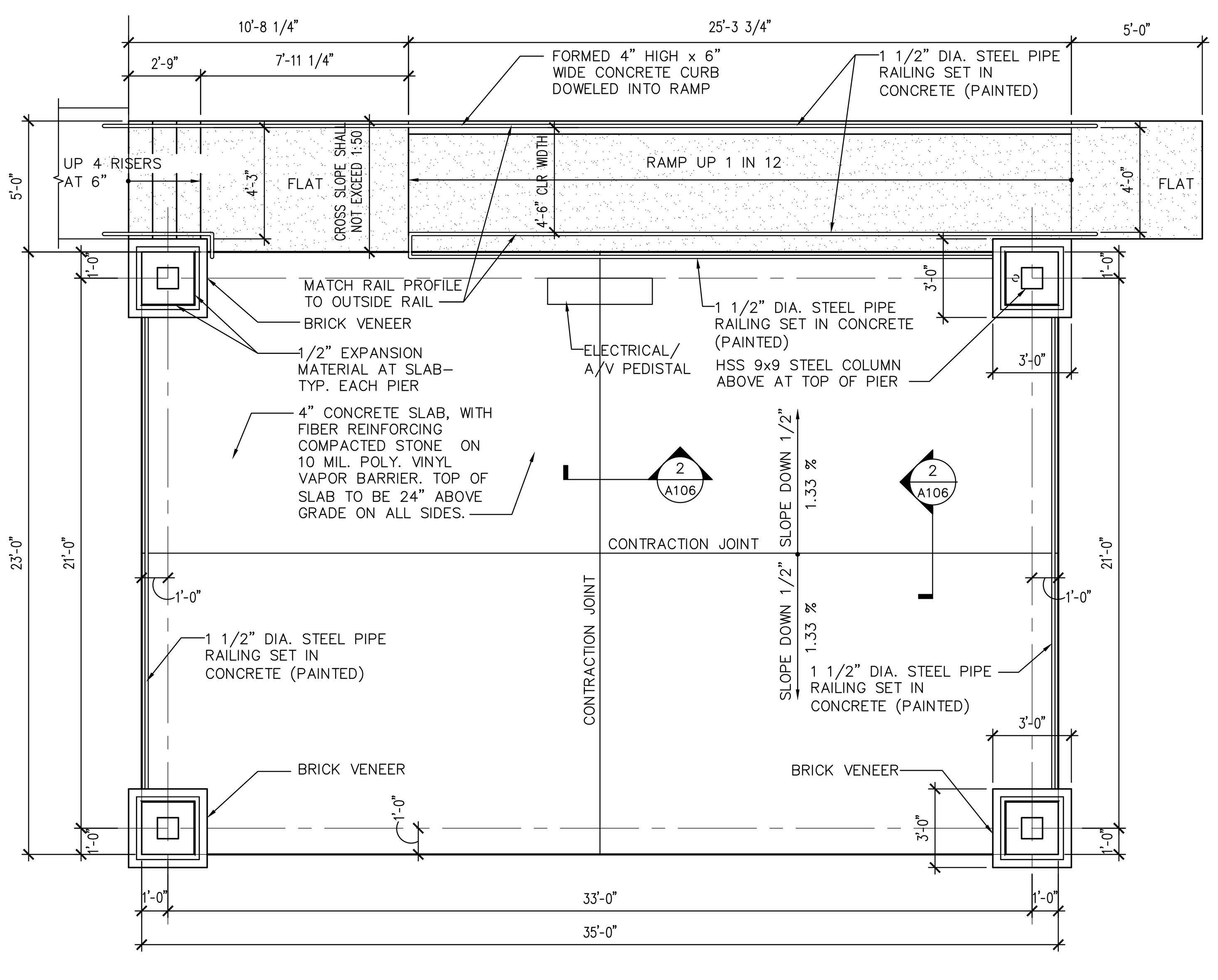
5 A106 RAMP FOUNDATION DETAIL

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



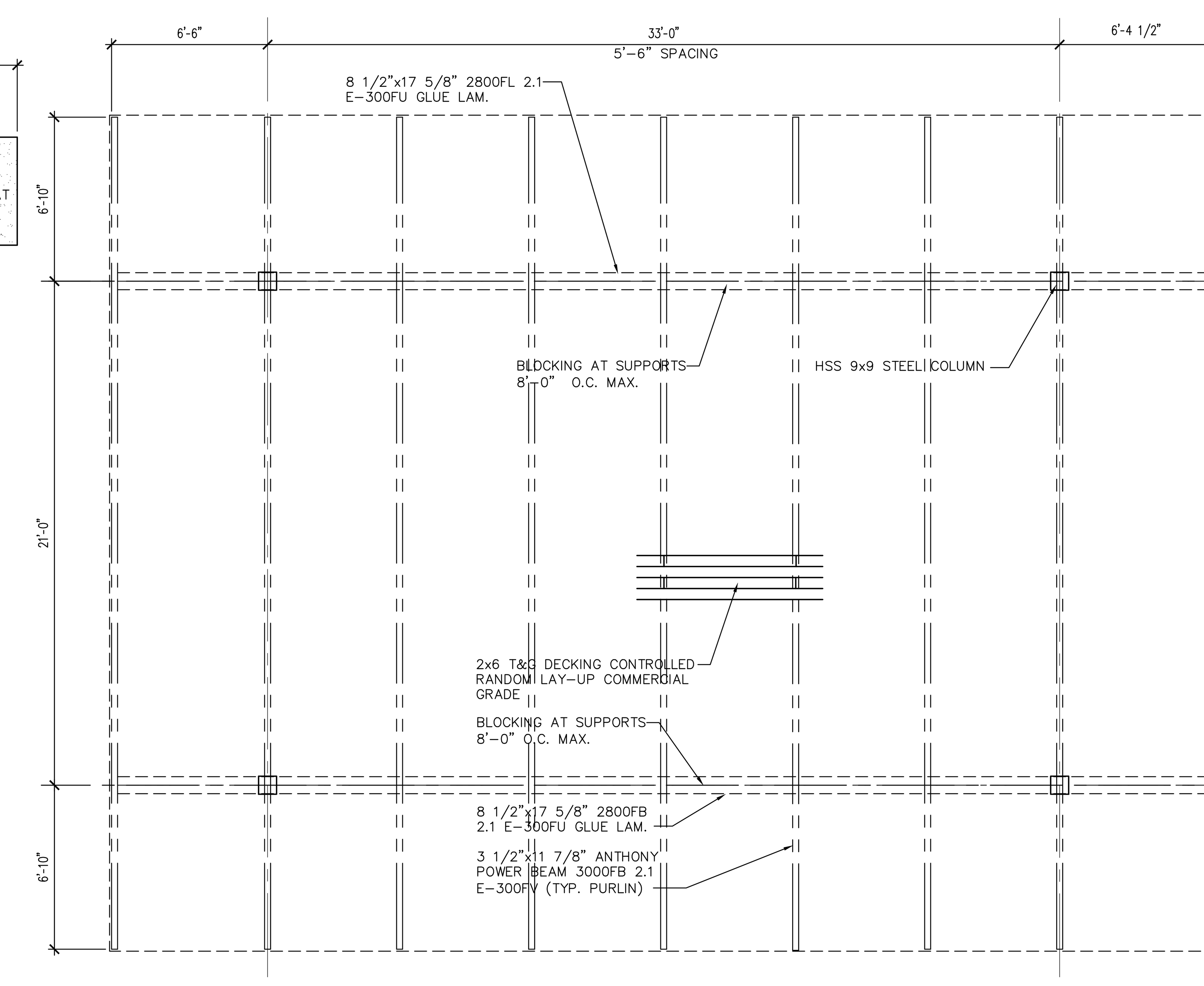
FOUNDATION PLAN

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



FLOOR PLAN

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



ROOF FRAMING PLAN

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

STAGE

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Sheet description

FLOOR PLANS, FOUNDATION PLAN, ROOF FRAMING PLAN AND EXTERIOR ELEVATIONS

Sheet No.

A101