



1. GENERAL

- 1.01. THE STRUCTURE IS DESIGNED IN ACCORDANCE AND MEETS THE DESIGN CRITERIA OF THE FOLLOWING CODES:
2012 NORTH CAROLINA BUILDING CODE
ASCE 7-05, MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES
- 1.02. METHODS, PROCEDURES, AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE SUB-CONTRACTOR. THE SUB-CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.
- 1.03. THE GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL DETERMINE THE SCOPE OF THE STRUCTURAL WORK FROM THE CONTRACT DOCUMENTS TAKEN AS A WHOLE. THE STRUCTURAL DRAWINGS SHALL NOT BE CONSIDERED SEPARATELY FOR PURPOSES OF BIDDING THE STRUCTURAL WORK.
- 1.04. SCALES NOTED ON THE DRAWINGS ARE FOR GENERAL REFERENCE ONLY. NO DIMENSIONAL INFORMATION SHALL BE OBTAINED BY DIRECT SCALING OF THE DRAWINGS.
- 1.05. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL RESULTING REVISIONS TO THE STRUCTURAL SYSTEM OR OTHER TRADES AS A RESULT OF ACCEPTANCE OF CONTRACTOR PROPOSED ALTERNATIVES OR SUBSTITUTIONS.

2. DESIGN LOADS

- 2.01. WIND LOAD
BASIC WIND SPEED (FREE STANDING WALLS AND SOLID SIGNS) 95 MPH
WIND EXPOSURE CATEGORY C

3. MATERIAL STRENGTHS

3. MATERIAL STRENGTHS

- 3.01. CONCRETE (f_c @ 28 DAYS)
ALL CONCRETE U.N.O. 3,000 PSI
- 3.02. REINFORCING STEEL (F_y)
REBAR (ASTM A615) 60,000 PSI
- 3.03. SOIL/SUBGRADE PROPERTIES (ASSUMED)
ALLOWABLE SOIL BEARING PRESSURE ASSUMED 2000 PSF
- 3.04. STRUCTURAL STEEL (F_y)
STEEL PLATE (ASTM A36) 36,000 PSI
STEEL PIPE (ASTM A53) 35,000 PSI
STEEL ANGLE (ASTM A36) 36,000 PSI

4. FOUNDATIONS

- 4.01. THE SUBSURFACE INFORMATION AND FOUNDATION DESIGN ARE BASED ON THE FOUNDATION SECTION OF THE BUILDING CODE AND SHALL BE VERIFIED BY THE SUB-CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE FOUNDATION IS ASSUMED TO BE BEARING ON A SUBGRADE WITH A MINIMUM BEARING CAPACITY OF 2000PSF.
- 4.02. FOOTINGS SHALL BEAR ON ORIGINAL, UNDISTURBED SOIL.
- 4.03. SUB-CONTRACTOR TO KEEP EXCAVATIONS DRY AND PROTECTED FROM FROST AT ALL TIMES DURING THE FOUNDATION CONSTRUCTION.
- 4.04. FOUNDATION CONDITIONS ENCOUNTERED DURING CONSTRUCTION, WHICH DIFFER FROM THOSE DESCRIBED "ASSUMED VALUES" AND CONDITIONS SHALL BE REPORTED TO THE ENGINEER (DRYE-MCGLAMERY ENGINEERING, PLLC), BEFORE FURTHER CONSTRUCTION IS ATTEMPTED.

5. MASONRY

- 5.01. LOAD BEARING MASONRY UNITS SHALL BE CONSTRUCTED OF STRUCTURAL LIGHTWEIGHT CONCRETE UNITS CONFORMING TO ASTM C90 TYPE N-1.
- 5.02. MAINTAIN MOISTURE CONTROL DURING STORAGE AND ERECTION AT JOB SITE TYPICAL.
- 5.03. ALL HEAD AND BED JOINTS SHALL BE FULL.
- 5.04. MASONRY TO BE LAYED IN RUNNING BOND PATTERN TYPICAL.
- 5.05. NINE GA. LADDER WIRE TO BE PLACED EVERY (2) COURSES (16" C/C MAX SPACING)

DRYE-MCGLAMERY ENGINEERING STRUCTURAL ABBREVIATIONS

B/	BOTTOM OF	PLF	POUNDS PER LINEAR FOOT
C/C	CENTER TO CENTER	PSF	POUNDS PER SQUARE FOOT
CONC	CONCRETE	PSI	POUNDS PER SQUARE INCH
CONT	CONTINUOUS	REINF	REINFORCED OR REINFORCING
EW	EACH WAY	SOG	SLAB ON GRADE
FDTN	FOUNDATION	T/	TOP OF
FTG	FOOTING	TYP	TYPICAL
LB	POUND	UNO	UNLESS NOTED OTHERWISE
LL	LIVE LOAD	VERT	VERTICAL
NTS	NOT TO SCALE	W/	WITH
C/C	CENTER TO CENTER	W/O	WITHOUT

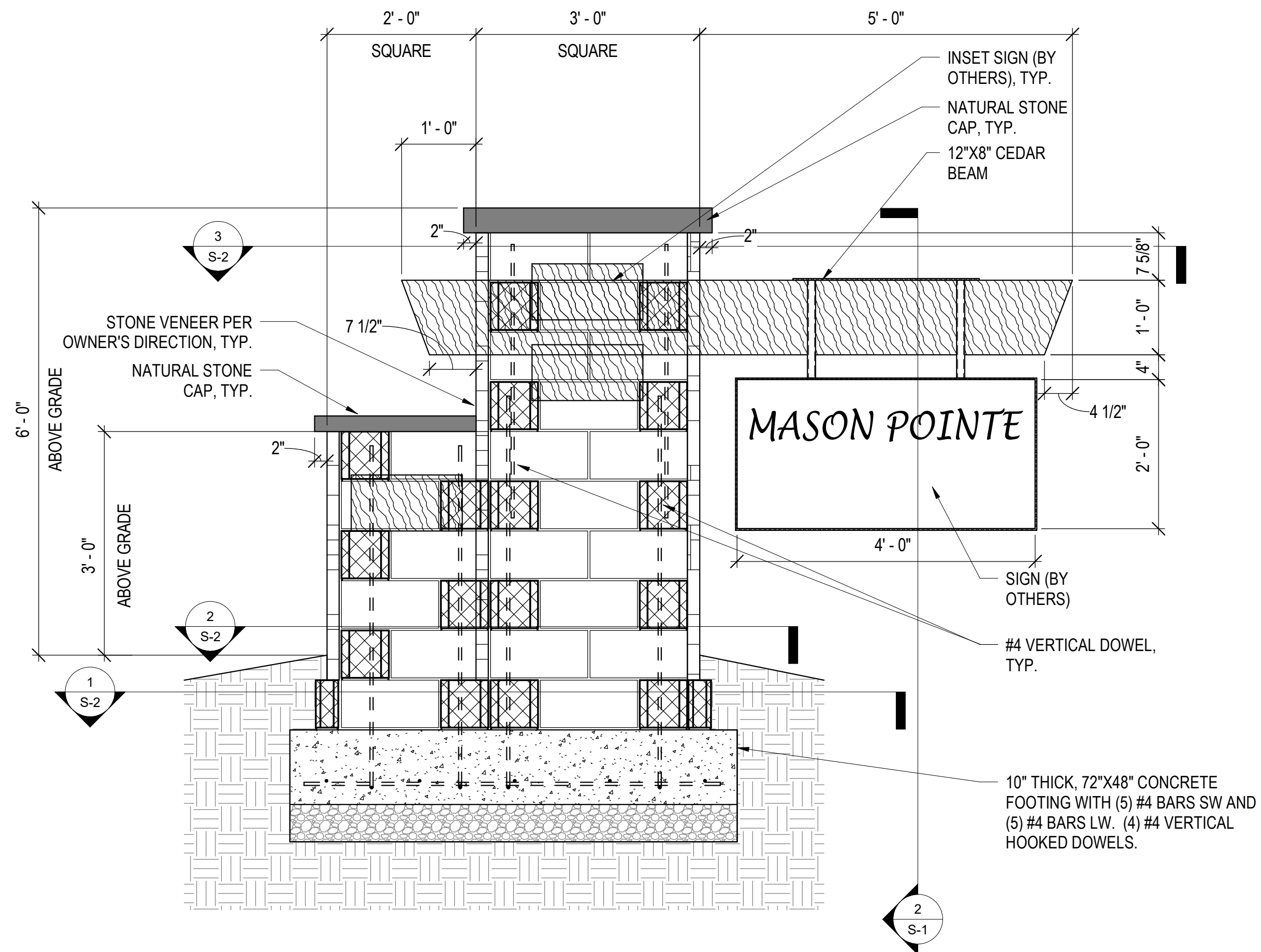
MASON POINTE
ENTRY MONUMENT
WAKE COUNTY
FLOUJAY-VARINA, NORTH CAROLINA

DRYE-MCGLAMERY
ENGINEERING, PLLC
5720 SIX FORKS RD., SUITE 203
RALEIGH, NC 27609

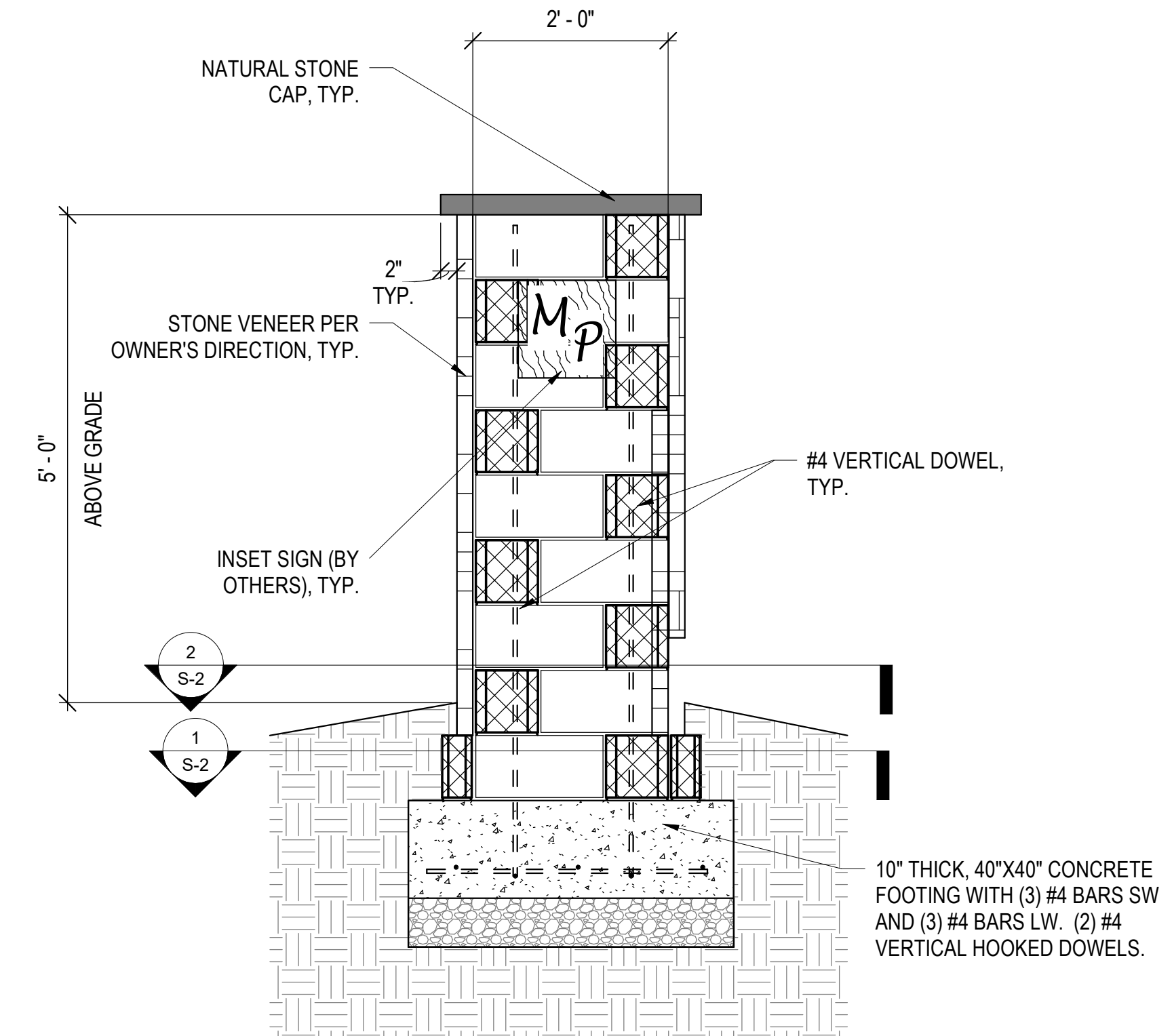
ISSUED FOR
CONSTRUCTION

DRAWN BY DJM
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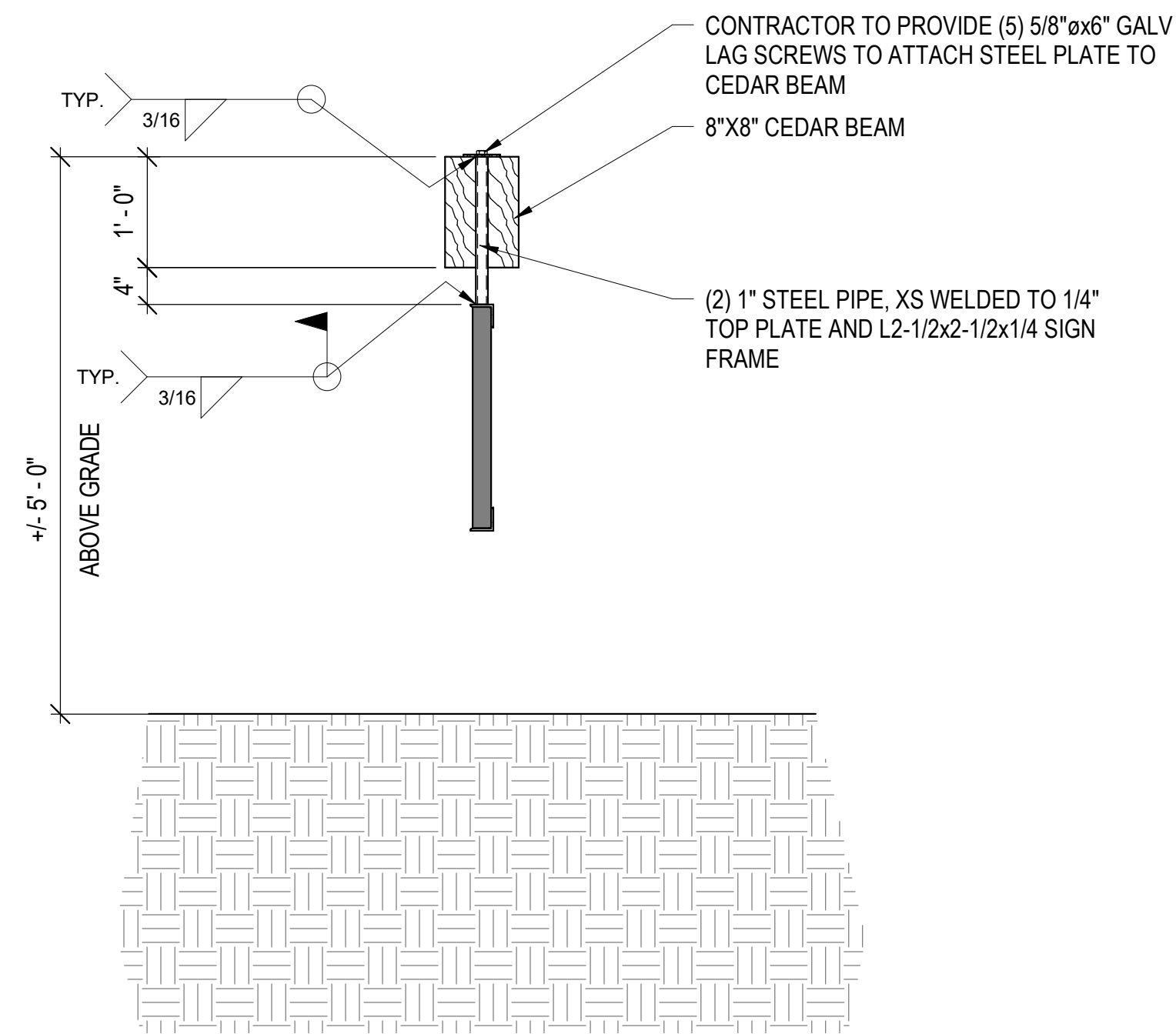
STRUCTURAL NOTES



1 ENTRY MONUMENT SECTION AT CENTERLINE
3/4" = 1'-0"



3 TYPICAL COLUMN SECTION AT CENTERLINE
3/4" = 1'-0"



2 ENTRY MONUMENT - HANGING SIGN SECTION
3/4" = 1'-0"

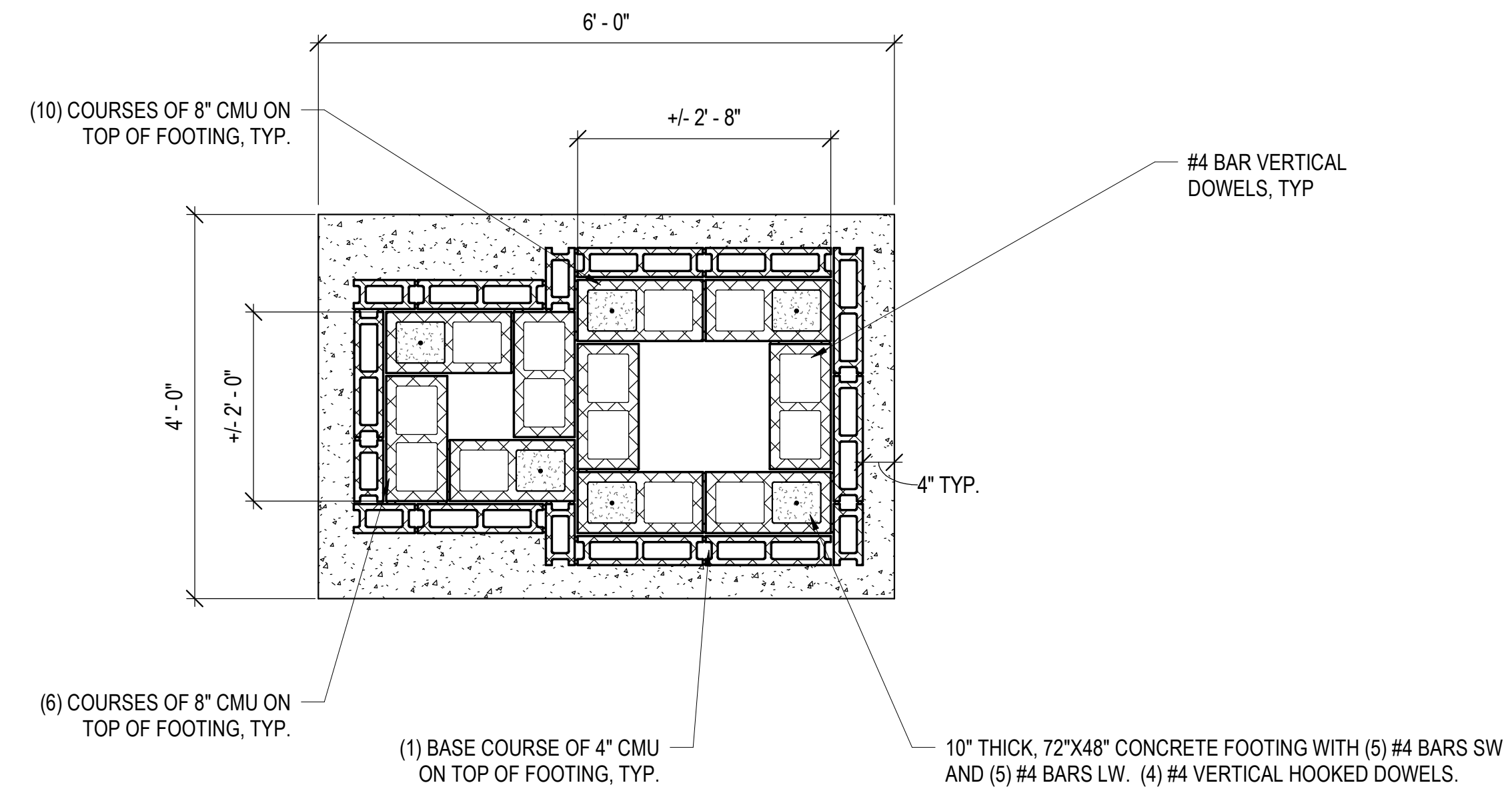
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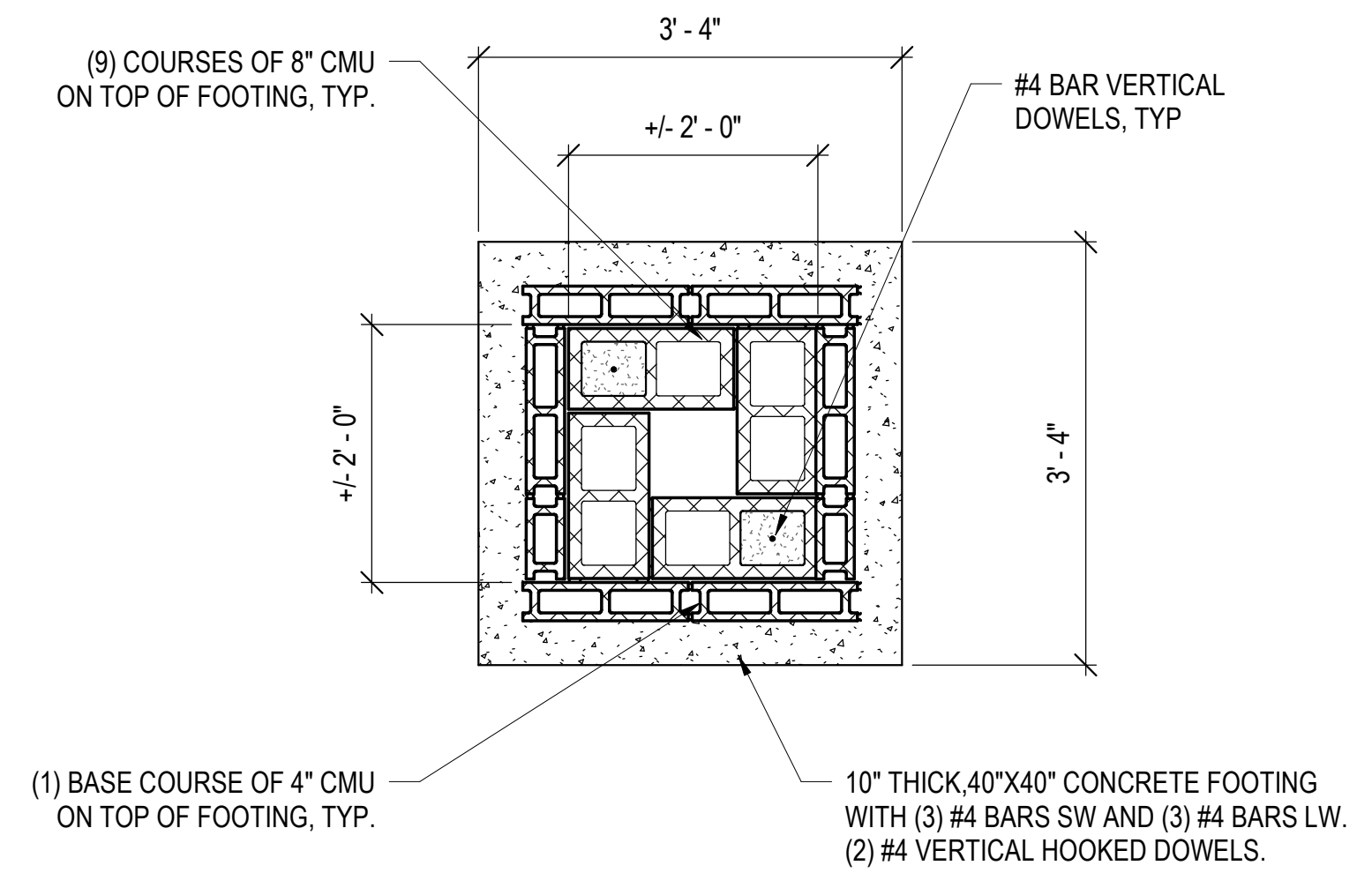
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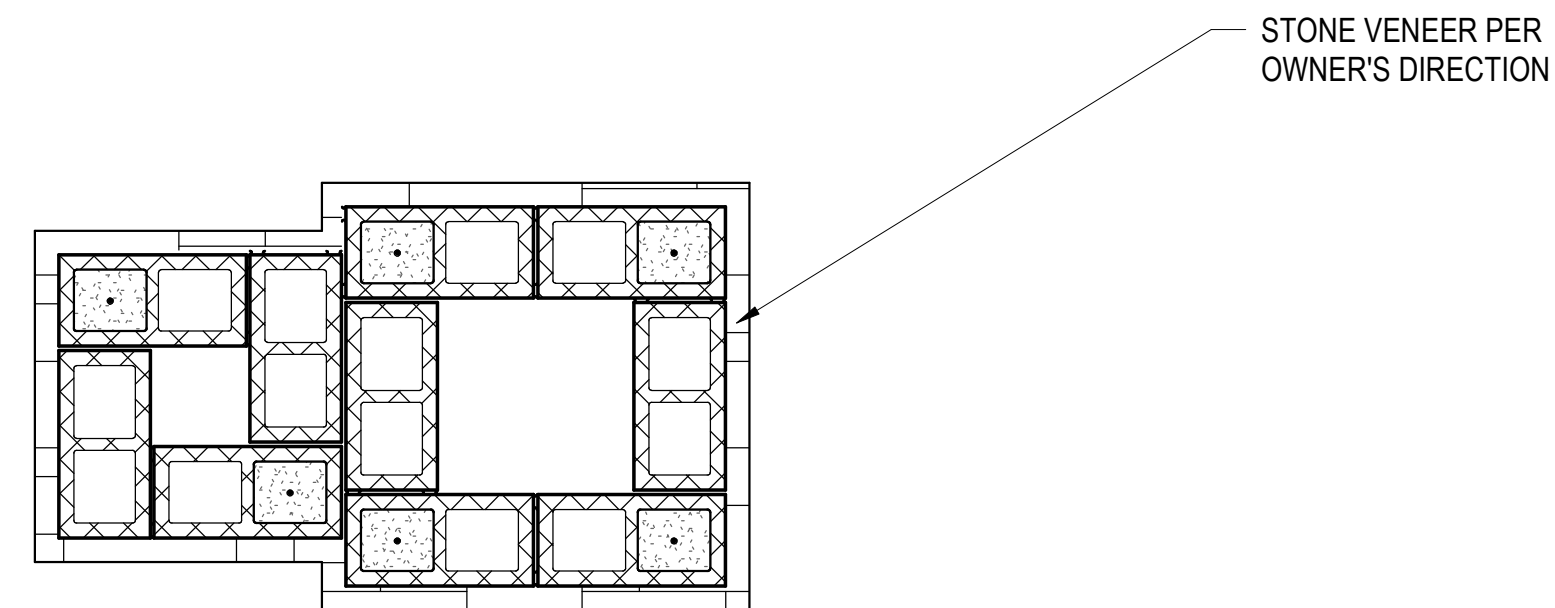
STRUCTURAL DETAILS



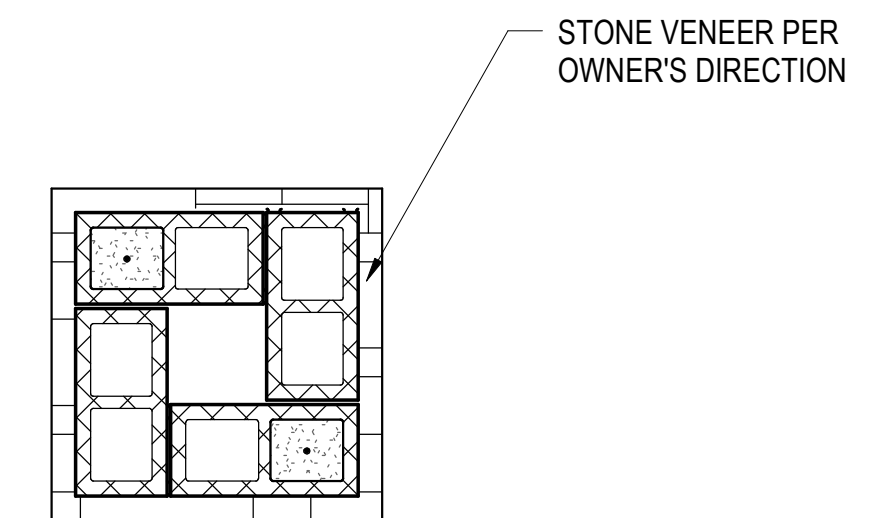
1 ENTRY MONUMENT FOOTING (PLAN VIEW)
3/4" = 1'-0"



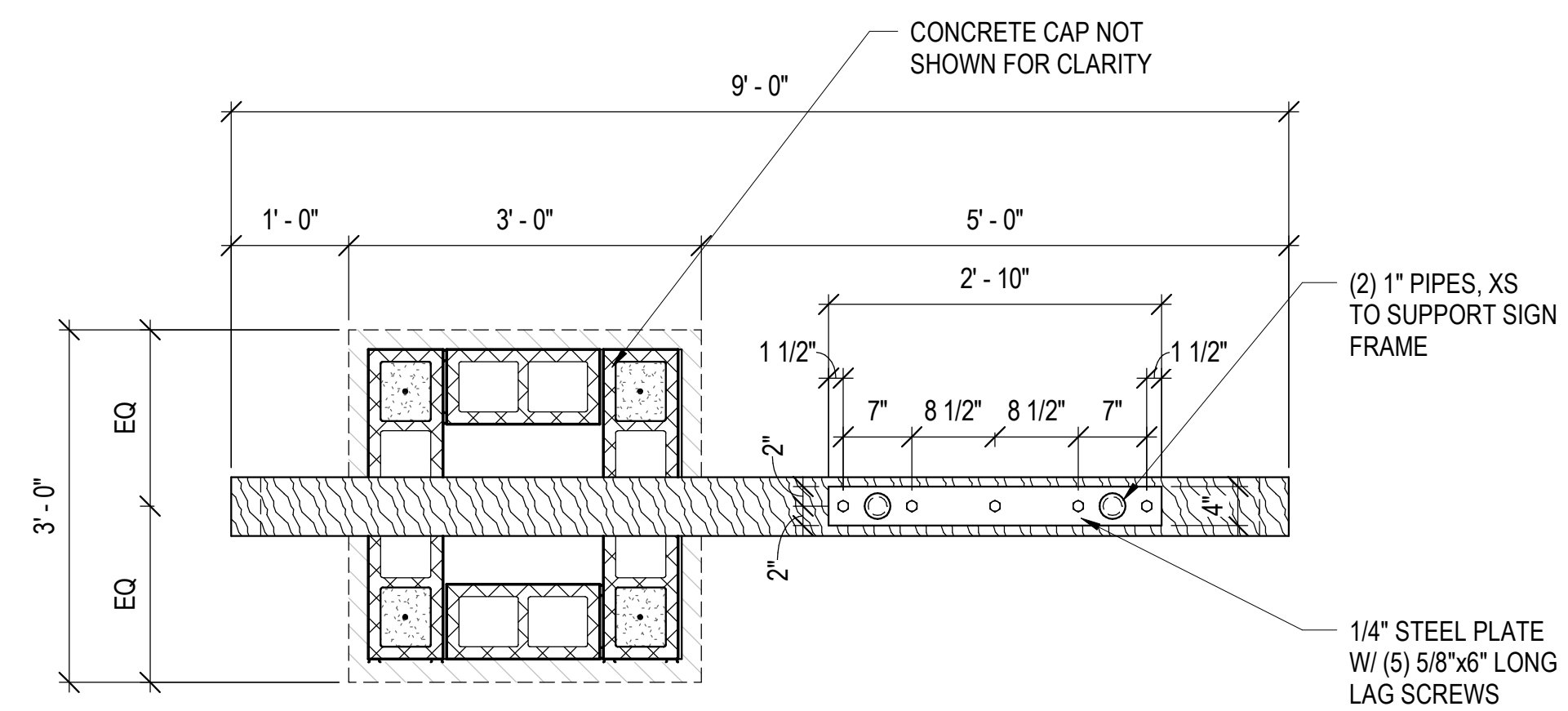
5 TYPICAL COLUMN AT FOOTING (PLAN VIEW)
3/4" = 1'-0"



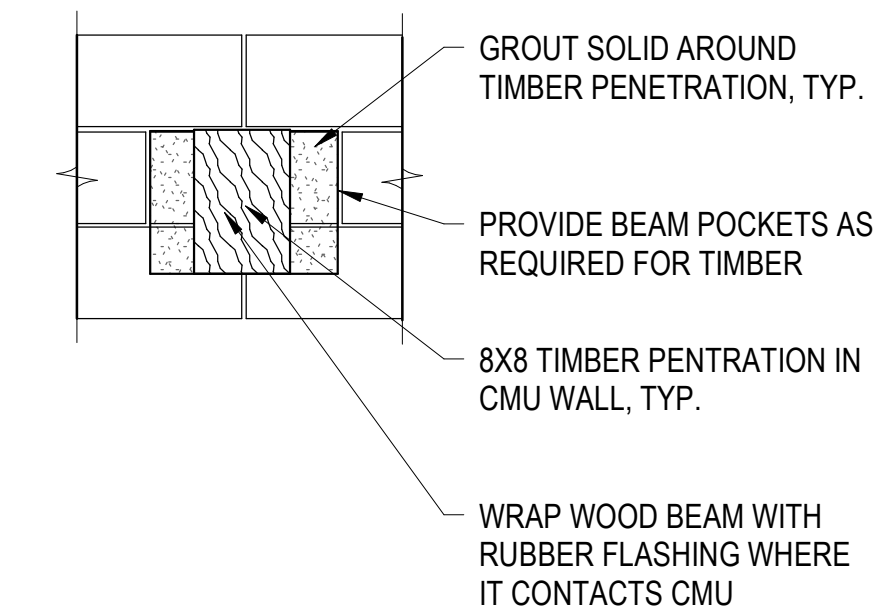
2 ENTRY MONUMENT AT GRADE (PLAN VIEW)
3/4" = 1'-0"



6 TYPICAL COLUMN AT GRADE (PLAN VIEW)
3/4" = 1'-0"



3 ENTRY MONUMENT AT BEAM (PLAN VIEW)
3/4" = 1'-0"



4 BEAM POCKET DETAIL
3/4" = 1'-0"