

BUILDING "A"
PARTIAL FOUNDATION PLAN
3/16"=1'-0" SCALE

NOTES:

WF-1 = WALL FOOTING MARK. SEE FOOTING SCHEDULE ON SHEET S-5.

F-1 = SPREAD FOOTING MARK. SEE FOOTING SCHEDULE ON SHEET S-5.

CENTER SPREAD FOOTINGS ON COLUMN ANCHOR GROUP UNLESS NOTED OTHERWISE.

NOTE:
RECESS SLAB AT DOORS AS
REQUIRED (TYP.)

NOTE:
AT HAIRPINS THICKEN SLAB
TO 8" MINIMUM (TYP.)

GENERAL NOTES:

ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE 2020 FLORIDA BUILDING CODE.

INSTALL ALL PRODUCTS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.

FOR DIMENSIONS AND DETAILS NOT SHOWN SEE ARCHITECTURAL AND METAL BUILDING DRAWINGS. FIELD VERIFY ALL DIMENSIONS WITH FINAL METAL BUILDING DRAWINGS PRIOR TO CONSTRUCTION.

DESIGN LOADS:

ROOF LIVE LOAD: 20 PSF

ROOF DEAD LOAD: ACTUAL MATERIAL WEIGHTS

WIND SPEED (ULTIMATE): 170 MPH

CATEGORY: II

EXPOSURE: C

STEEL:

ALL STEEL SHALL CONFORM TO AISC, LATEST EDITION.

ALL WELDING SHALL CONFORM TO AWS, LATEST EDITION.

ALL ANCHOR RODS SHALL CONFORM TO ASTM F1554 GRADE 36.

ALL NUTS SHALL BE HEAVY HEX.

FOUNDATIONS:

FOUNDATIONS, SLAB AND SITE PREPARATION SHALL CONFORM TO THE RECOMMENDATIONS OF A RETAINED GEOTECHNICAL ENGINEER LICENSED IN FLORIDA.

THE CONTRACTOR SHALL EXERCISE GREAT CARE DURING EXCAVATION. UNDERGROUND UTILITY LOCATIONS ARE UNKNOWN. THE CONTRACTOR SHALL PREDETERMINE UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY IF A CONFLICT EXISTS. THE CONTRACTOR IS RESPONSIBLE FOR THE SAFE SUPPORT OF UTILITIES ACROSS EXCAVATIONS.

A SOILS REPORT WAS NOT AVAILABLE DURING THE DESIGN OF THE FOUNDATIONS FOR THE SUBJECT BUILDING. FOUNDATION DESIGN HAS BEEN PREPARED USING AN ASSUMED ALLOWABLE BEARING PRESSURE OF 2,500 PSF. PRIOR TO CONSTRUCTION A GEOTECHNICAL ENGINEER SHALL VERIFY THIS ASSUMPTION, PERFORM COMPACTION TESTING, MAKE SLAB AND SITE RECOMMENDATIONS AND PROVIDE A SIGNED AND SEALED COMPLIANCE LETTER STATING THE SITE SOILS WILL PROVIDE A MINIMUM BEARING PRESSURE OF 2,500 PSF.

PROVIDE PIPE SLEEVES FOR PIPES PASSING THROUGH FOUNDATIONS AND PASSING BELOW FOUNDATIONS. SEE PLUMBING SPECS. FOR DETAILS.

CONCRETE:

CONCRETE SHALL CONFORM TO ACI SPECIFICATIONS, LATEST EDITION.

REINFORCING SHALL CONFORM TO CRSI, LATEST EDITION.

CAST-IN-PLACE CONCRETE SHALL DEVELOP A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI.

REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. LAP WELDED WIRE FABRIC A MINIMUM OF 1'-6" IN EACH DIRECTION.

ALL REINFORCING BAR SPLICE LENGTHS SHALL BE 2'-6".

PROVIDE CORNER BARS AT ALL LOCATIONS WHERE REINFORCEMENT CHANGES DIRECTIONS.

PROVIDE 1" DEEP SAW CUT SLAB CONTRACTION OR CONSTRUCTION JOINTS SPACED @ A MAXIMUM OF 10'-0" O.C. IN BOTH DIRECTIONS WITH A MAXIMUM LENGTH TO WIDTH RATIO OF 2 UNLESS NOTED OTHERWISE. COORDINATE WITH ARCHITECTURAL DRWG'S.

PRIOR TO PLACING CONCRETE COORDINATE LOCATION OF ALL SLAB PENETRATIONS WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.

PERFORM CONCRETE TESTING IN ACCORDANCE WITH ACI.

MASONRY:

MASONRY SHALL CONFORM TO ACI, LATEST EDITION.

MASONRY SHALL DEVELOP A NET AREA COMPRESSIVE STRENGTH OF 2,500 PSI IN 28 DAYS.

GROUT SHALL CONFORM TO ASTM C476, WITH A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI IN 28 DAYS.

REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.

VERTICAL REINFORCING LAP SPLICES SHALL BE 48 BAR DIAMETERS.

ALL CORNERS ARE TO BE TIED BY MASONRY BOND.

PROVIDE JOINT REINFORCEMENT SPACED AT 16" O.C. VERTICALLY.

SEE ARCH. DRWG'S FOR CONTROL JOINTS.

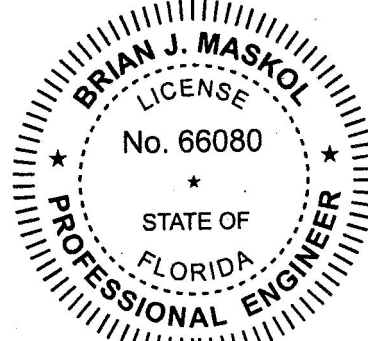
REINFORCING SHALL BE CENTERED IN CMU. PROVIDE REINFORCING STEEL AS NOTED ON THE PLANS. THESE BARS SHALL BE CONTINUOUS THROUGH LINTELS AND TIE BEAMS WHERE APPLICABLE. PROVIDE A STANDARD HOOK DOWEL AT VERTICALS INTO CONCRETE TIE BEAMS AND FOOTINGS.

FOUNDATION DESIGN HAS BEEN BASED ON REACTIONS
PROVIDED BY NUCOR BUILDING SYSTEMS DATED
7-5,6,13-23.

SUMMIT
DESIGN & FORENSICS, INC.

725 SE PORT SAINT LUCIE BLVD.
SUITE 203
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(772) 285-0572

BRIAN J. MASKOL
FL PE #66080



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PALM BEACH GARDENS, FL 33487

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D&Q PROJECT NO.: 20-0000

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DATE: XX-XX-2021

PHASE

PERMIT SET

SHEET TITLE

BUILDING "A"
PARTIAL
FOUNDATION PLAN

SHEET NUMBER

S-1

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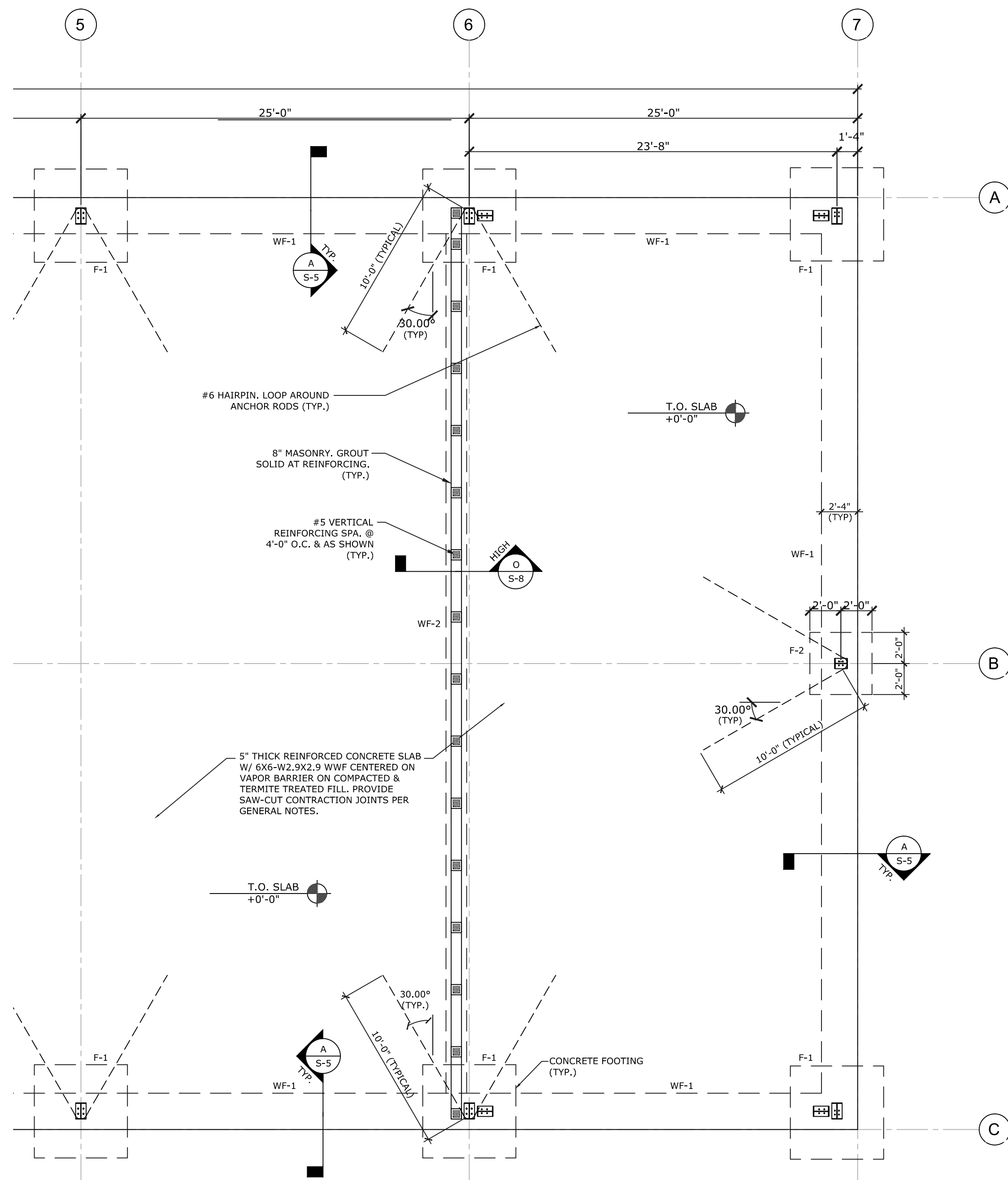
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SHEET TITLE

BUILDING "A"
PARTIAL
FOUNDATION PLAN

SHEET NUMBER

S-2



BUILDING "A"
PARTIAL FOUNDATION PLAN
3/16"=1'-0" SCALE

NOTES:

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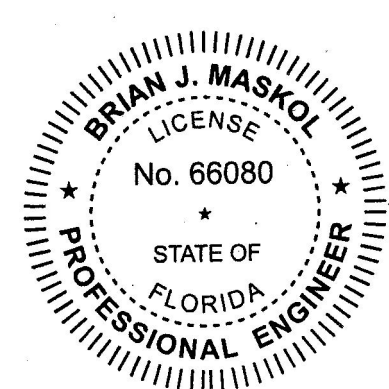
F-1 = SPREAD FOOTING MARK. SEE FOOTING SCHEDULE ON SHEET S-5.

CENTER SPREAD FOOTINGS ON COLUMN ANCHOR GROUP UNLESS NOTED OTHERWISE.

NOTE:
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NOTE:
AT HAIRPINS THICKEN SLAB
TO 8" MINIMUM (TYP.)

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SHEET TITLE

BUILDING "B"
FOUNDATION PLAN

SHEET NUMBER

S-3

**BUILDING "B"
FOUNDATION PLAN**
3/16"=1'-0" SCALE

NOTES:

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P-1 = PIER MARK. SEE SHEET S-6 FOR DETAILS.

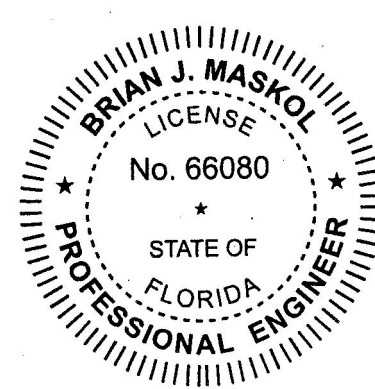
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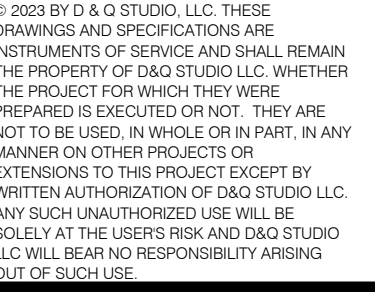
NOTE:
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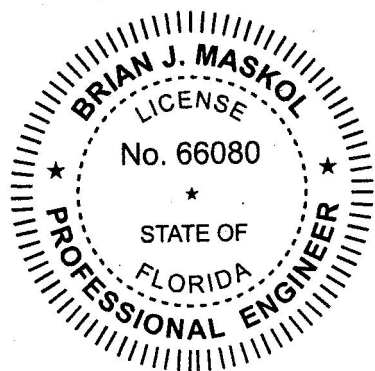
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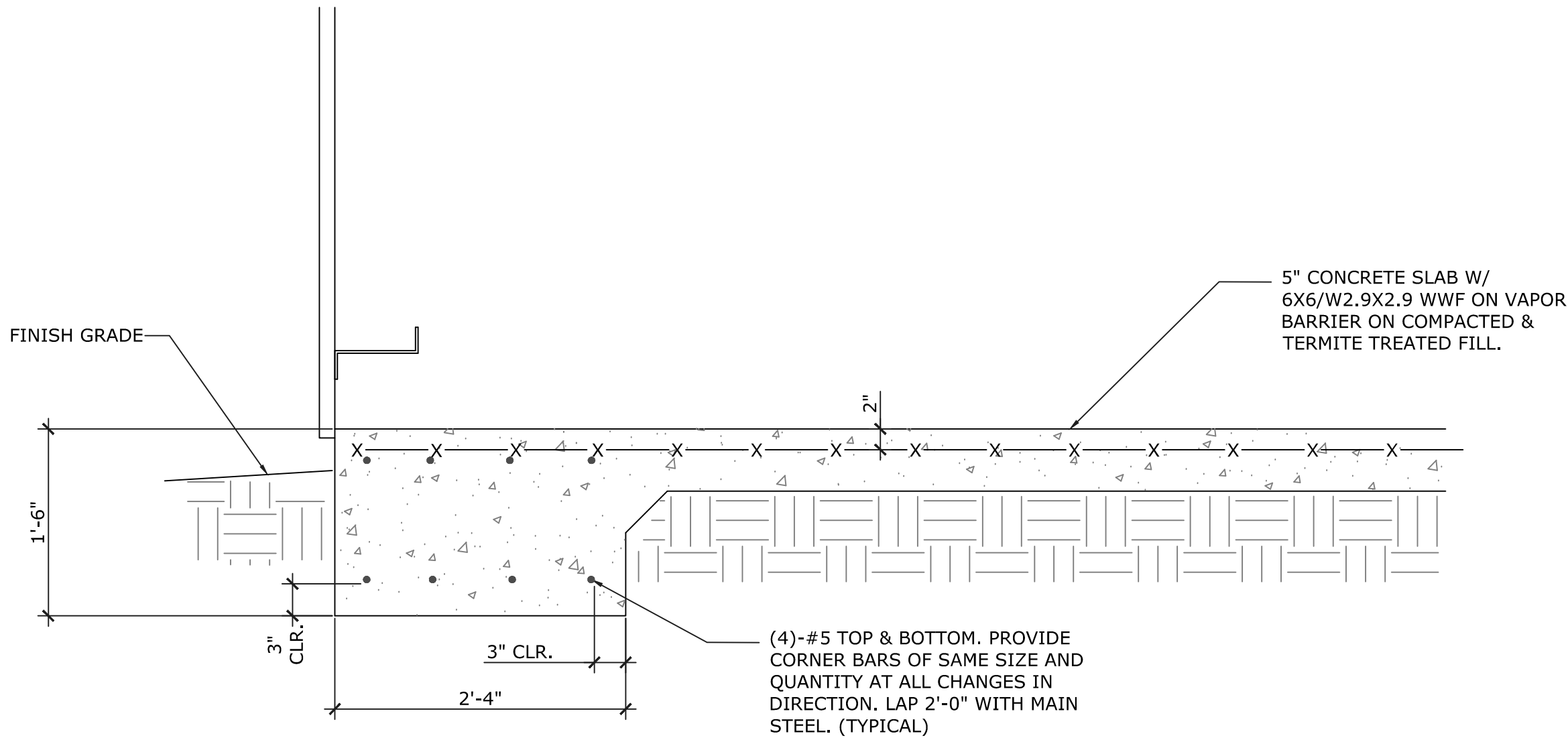
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BUILDING "C"
FOUNDATION PLAN

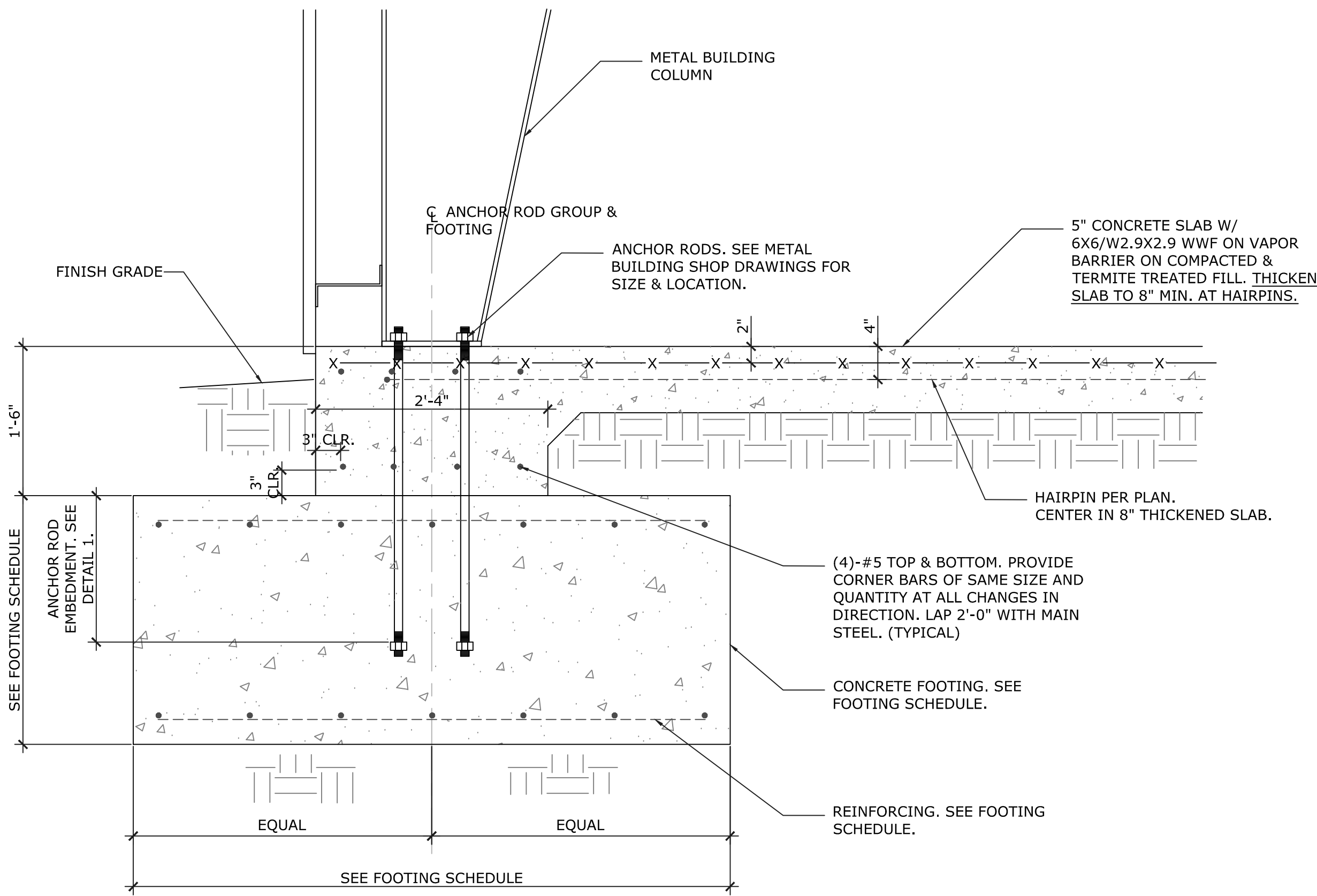
S-4



NOTE:
AT HAIRPINS THICKEN SLAB
TO 8" MINIMUM (TYP.)

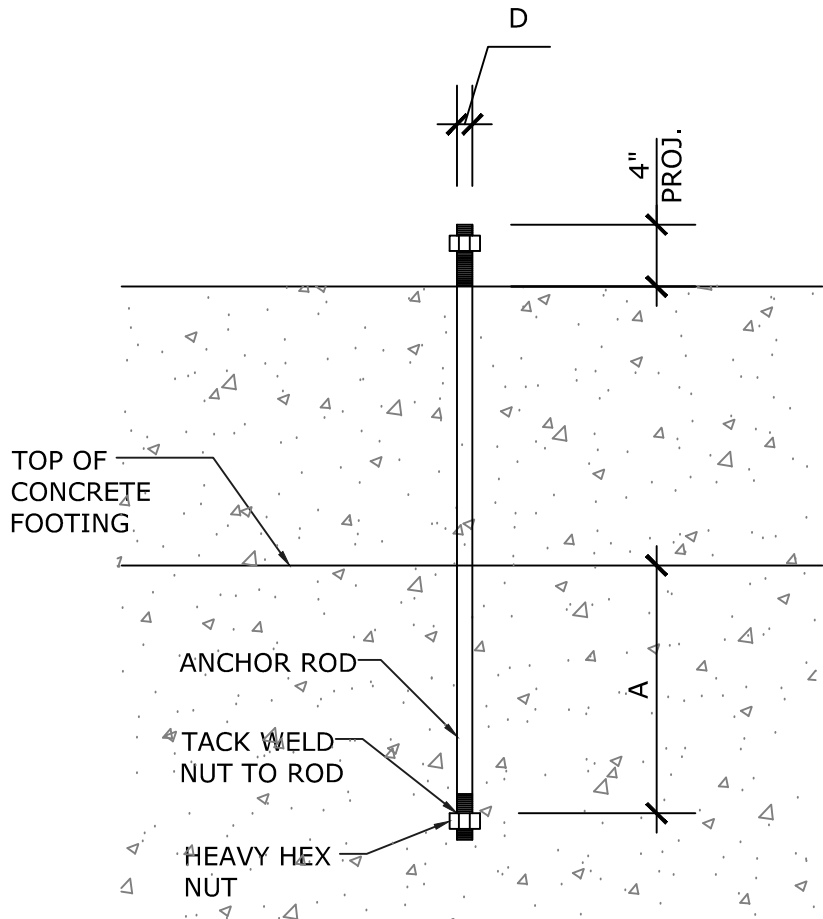


SECTION A
1"=1' SCALE



SECTION B
1"=1' SCALE

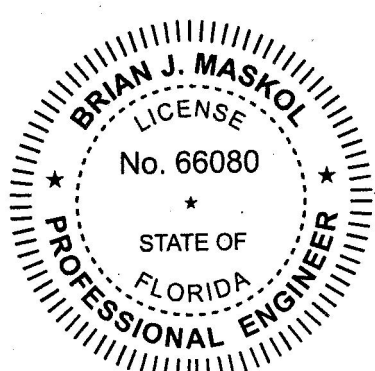
ANCHOR ROD SCHEDULE	
D	A
3/8" OR 1/2"	16"
1"	18"
1 1/4"	20"
1 1/2"	22"



DETAIL 1
1"=1' SCALE

FOOTING SCHEDULE																
MARK	SIZE			BOTTOM TRANSVERSE REINFORCING			TOP TRANSVERSE REINFORCING			BOTTOM LONGITUDINAL REINFORCING			TOP LONGITUDINAL REINFORCING			REMARKS
	WIDTH	LENGTH	THICKNESS	NO.	SIZE	SPA.	NO.	SIZE	SPA.	NO.	SIZE	SPA.	NO.	SIZE	SPA.	
WF-1	2'-4"	CONT.	1'-6"	-	-	-	-	-	-	4	#5	EQ.	4	#5	EQ.	
WF-2	1'-4"	CONT.	1'-0"	-	-	-	-	-	-	2	#5	EQ.	-	-	-	
WF-3	1'-6"	CONT.	2'-6"	-	-	-	-	-	-	3	#5	EQ.	3	#5	EQ.	
WF-4	4'-0"	CONT.	1'-8"	-	#5	1'-0" O.C.	-	#5	1'-0" O.C.	4	#5	EQ.	4	#5	EQ.	
WF-5	4'-4"	CONT.	1'-8"	-	#5	1'-0" O.C.	-	#5	1'-0" O.C.	4	#5	EQ.	4	#5	EQ.	
WF-6	2'-0"	CONT.	1'-8"	-	-	-	-	-	-	3	#5	EQ.	-	-	-	
F1	6'-0"	6'-0"	2'-6"	7	#6	EQ.	7	#6	EQ.	7	#6	EQ.	7	#6	EQ.	
F2	4'-0"	4'-0"	2'-6"	5	#5	EQ.	5	#5	EQ.	5	#5	EQ.	5	#5	EQ.	
F4	5'-0"	5'-0"	1'-8"	6	#5	EQ.	6	#5	EQ.	6	#5	EQ.	6	#5	EQ.	

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SECTIONS & DETAILS

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S-5

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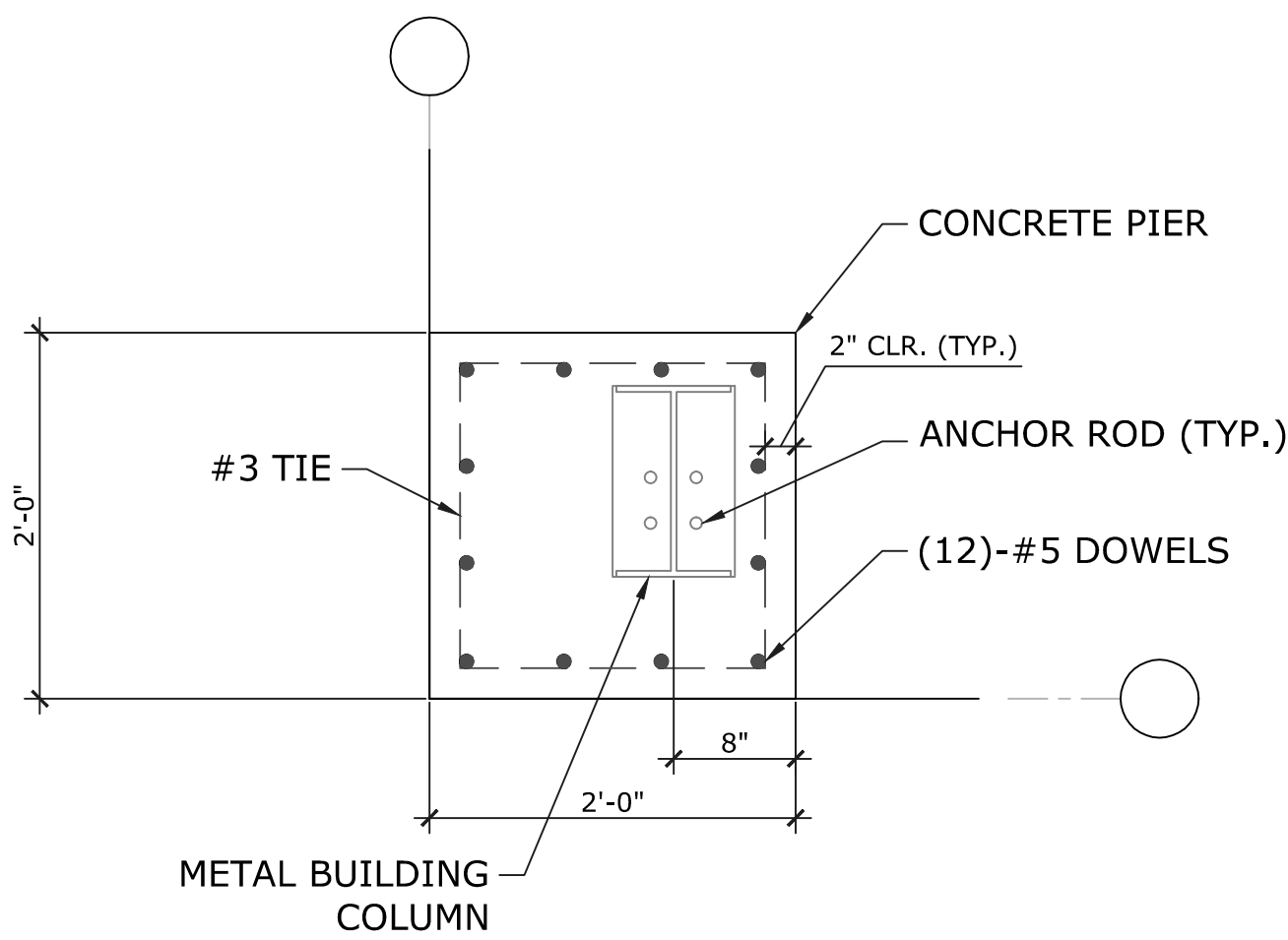
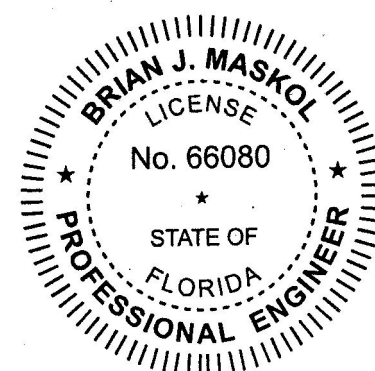
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SECTIONS & DETAILS

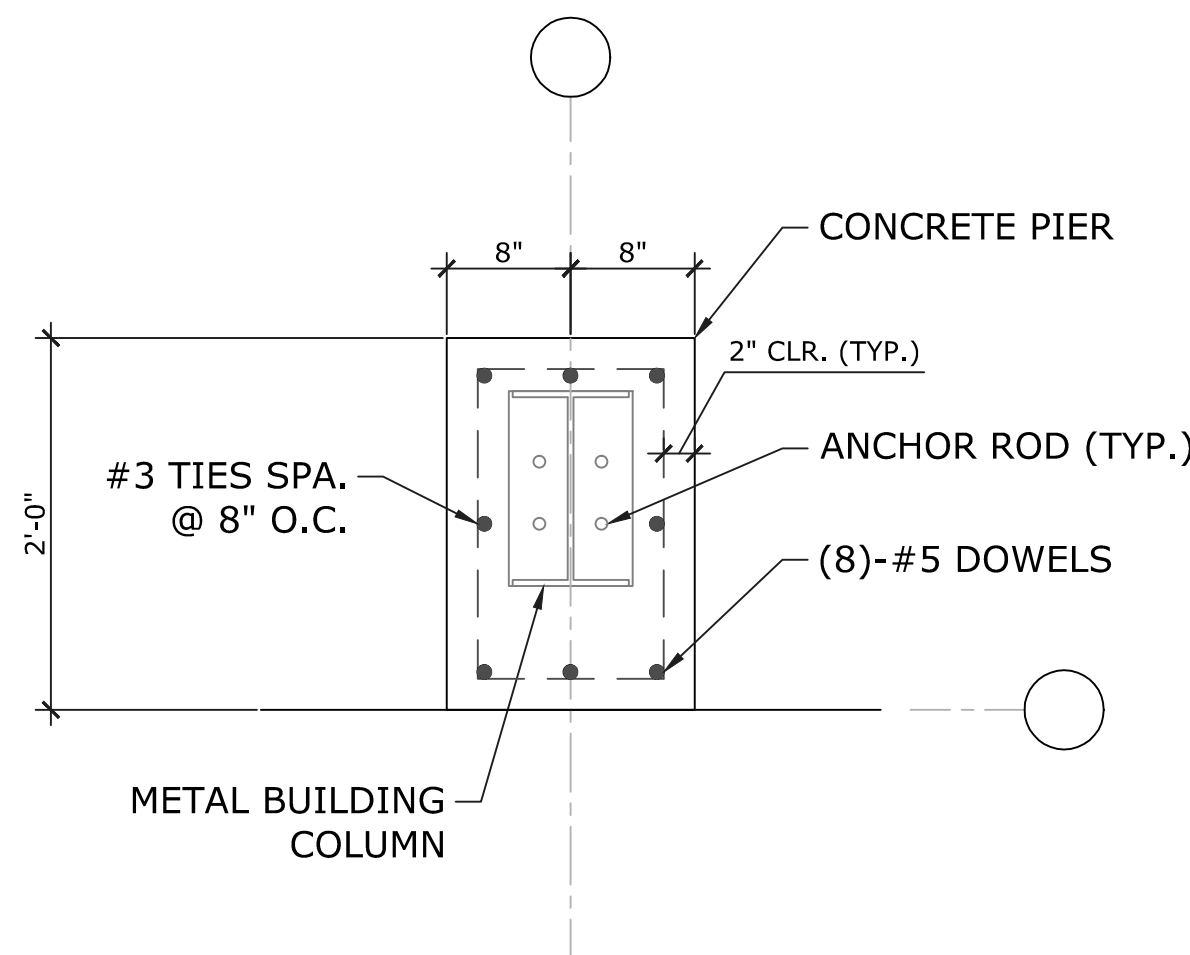
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S-6

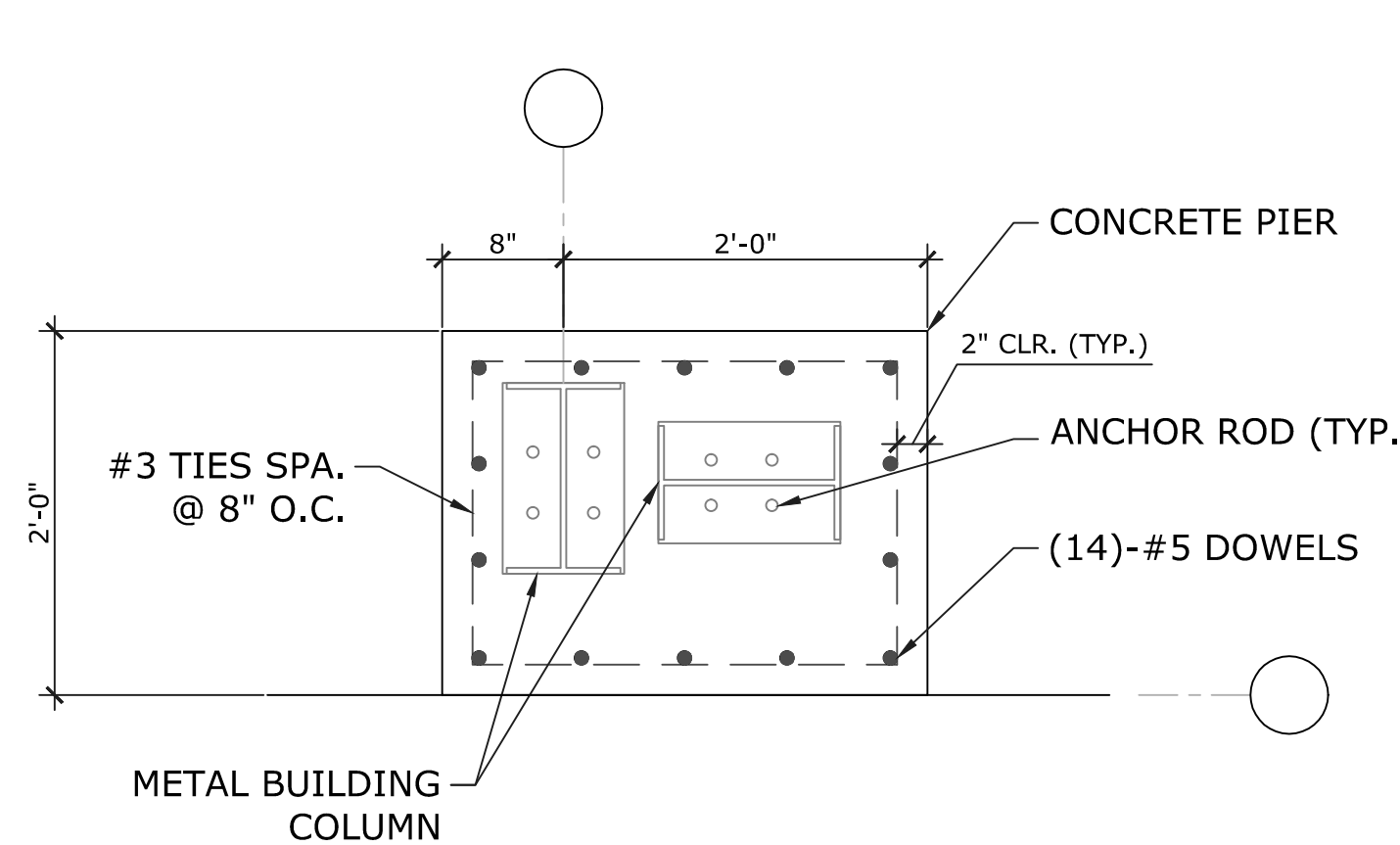
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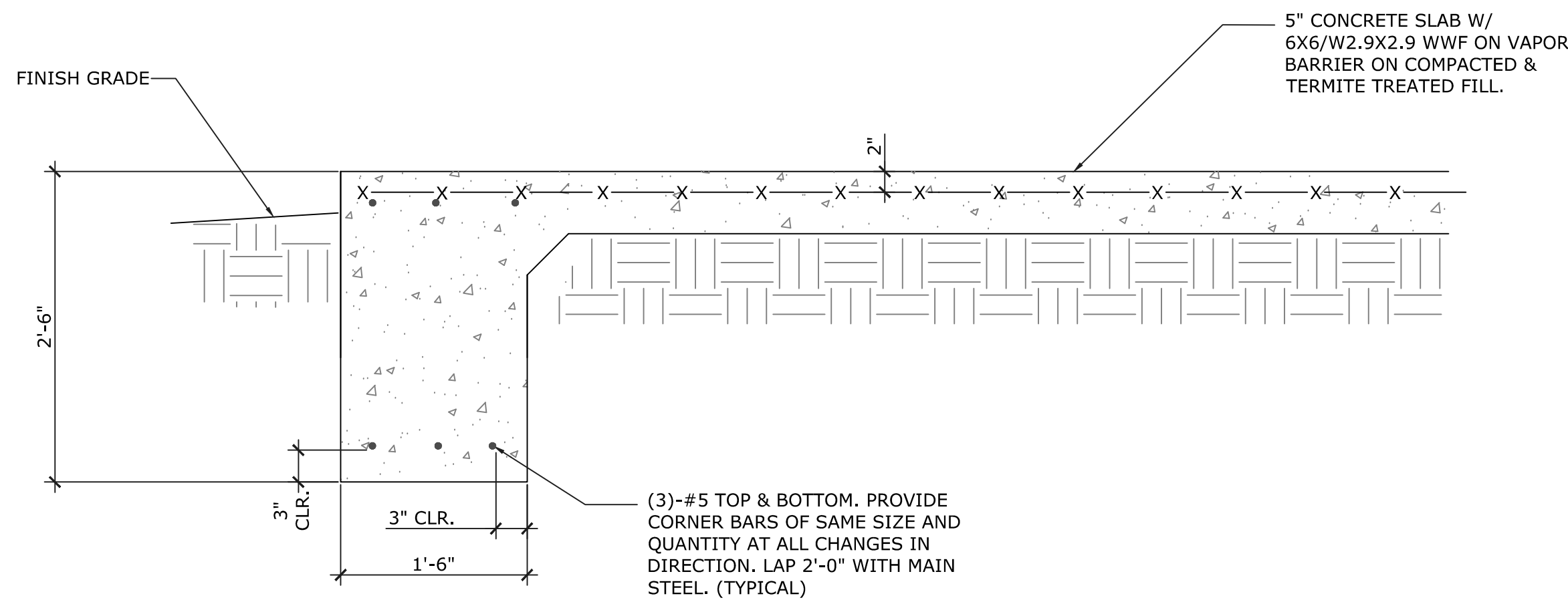
PIER DETAIL P1
1"=1'-0" SCALE



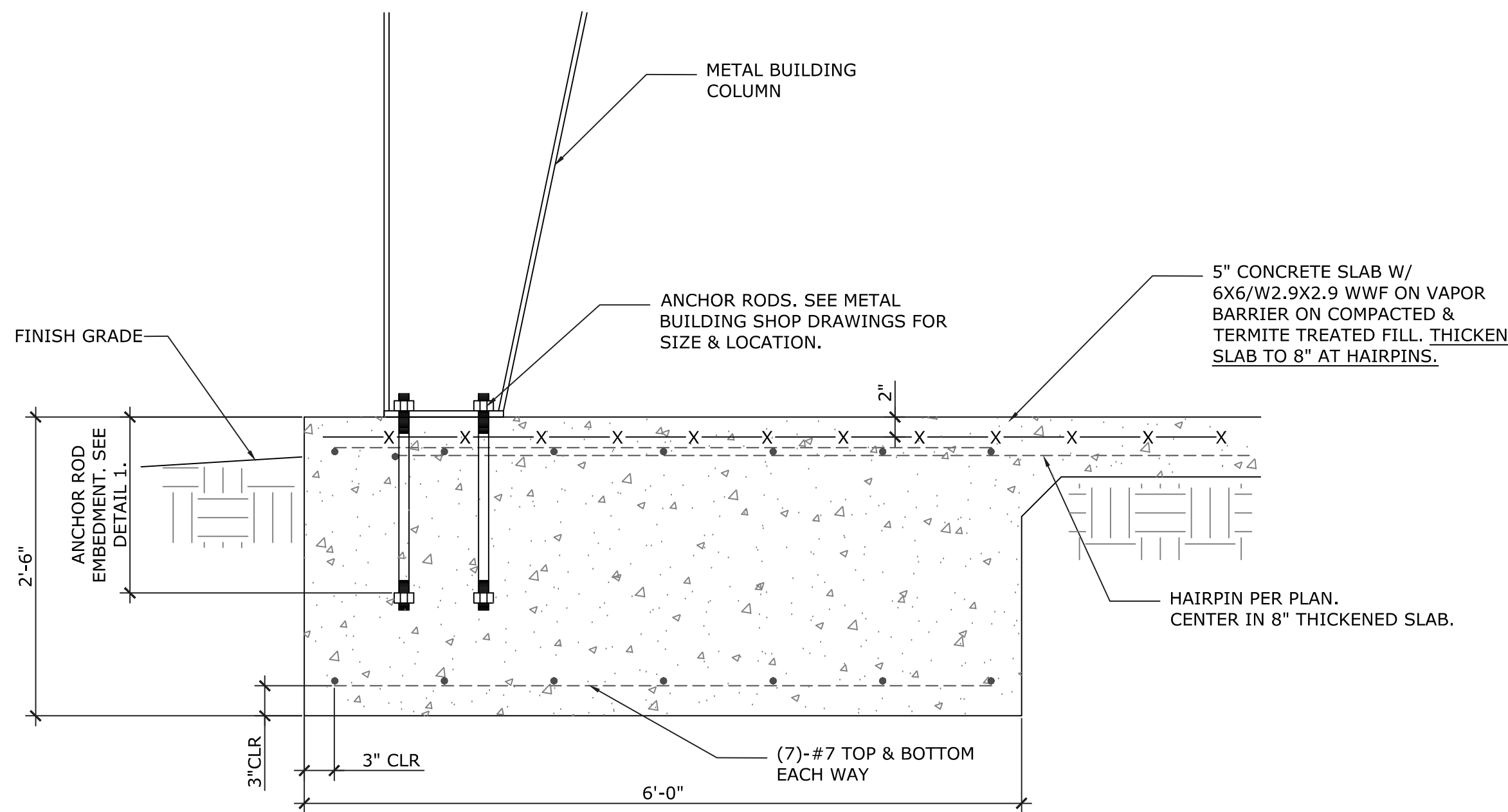
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1"=1'-0" SCALE



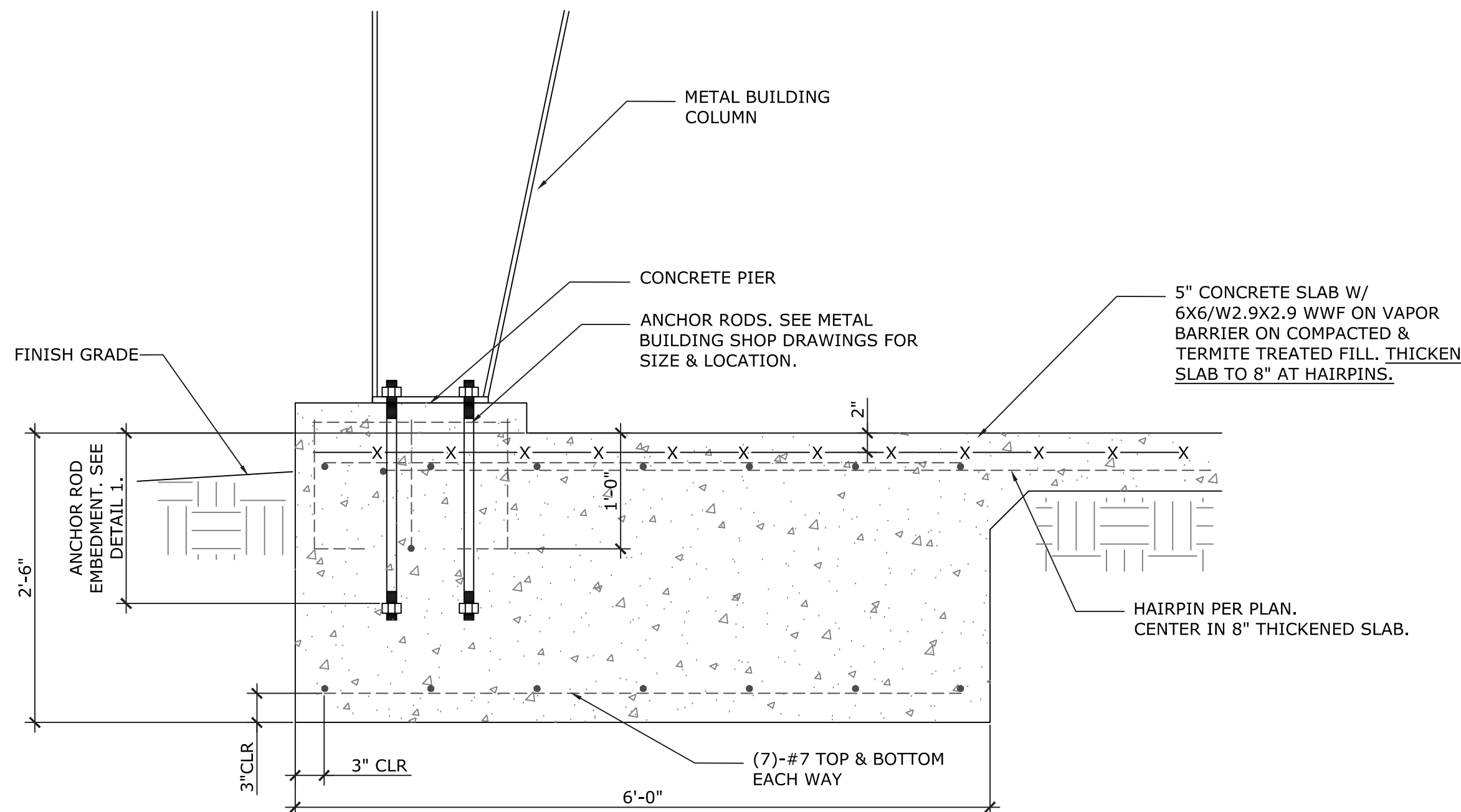
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1"=1'-0" SCALE



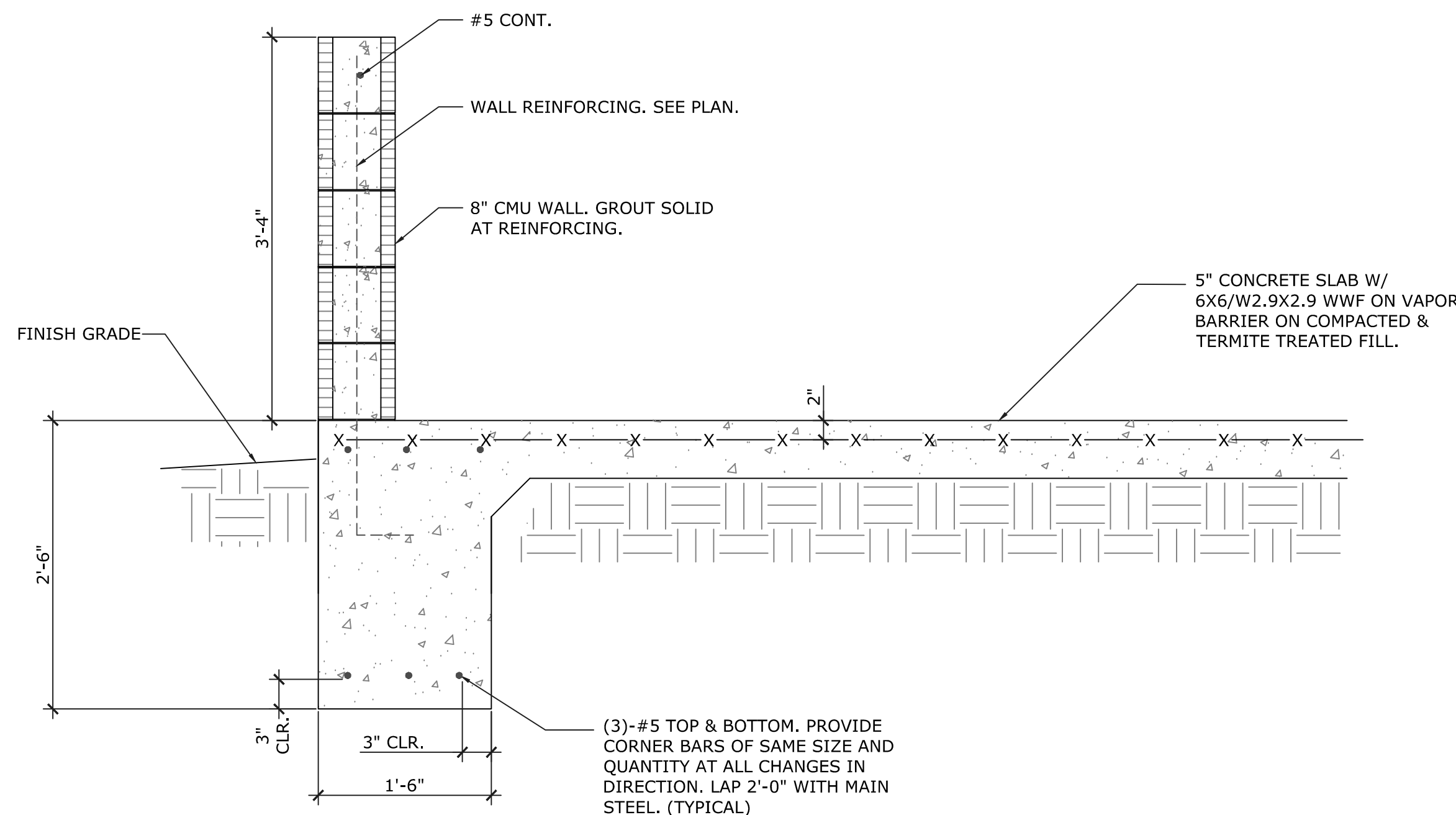
SECTION C
1"=1' SCALE



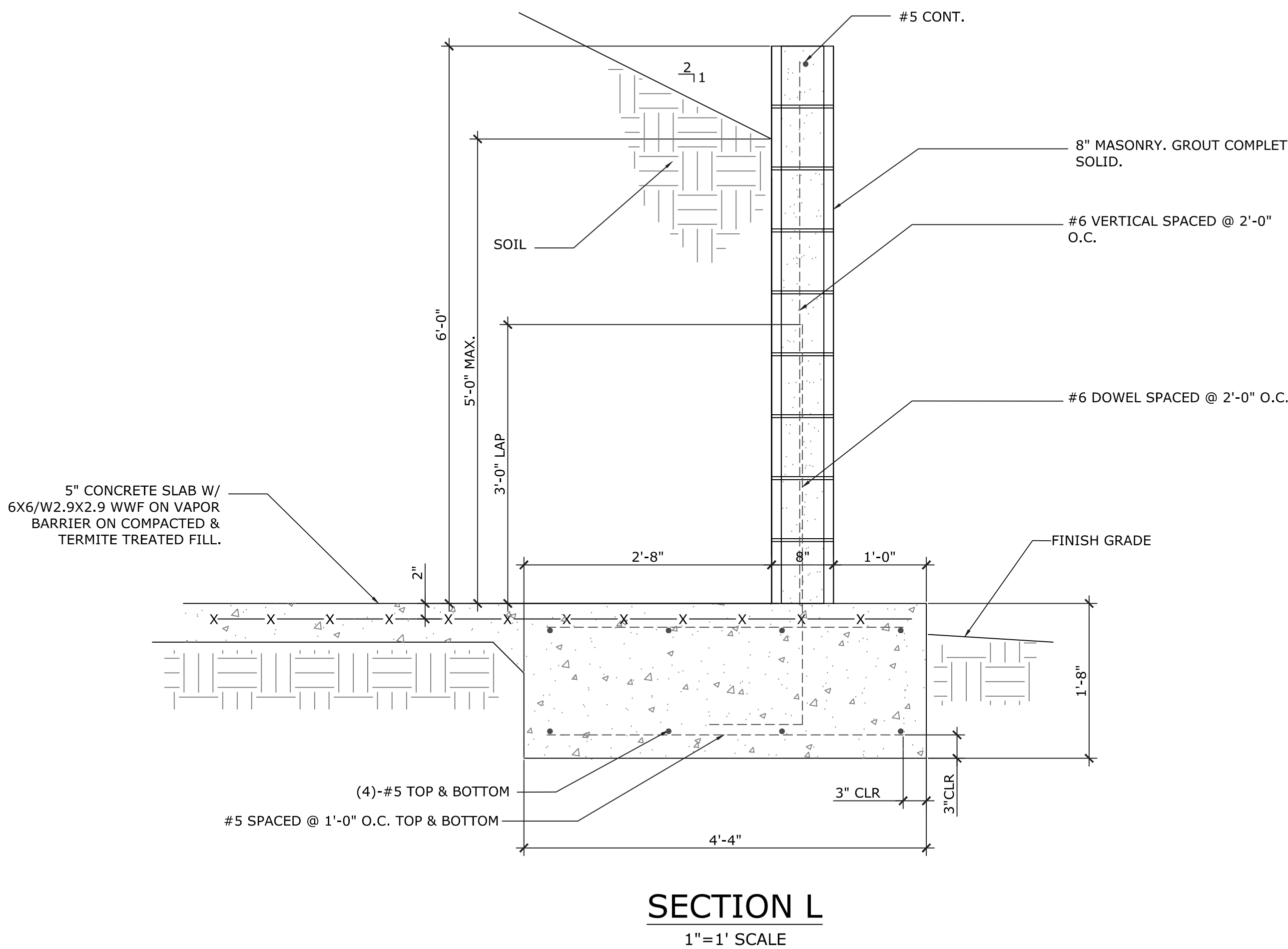
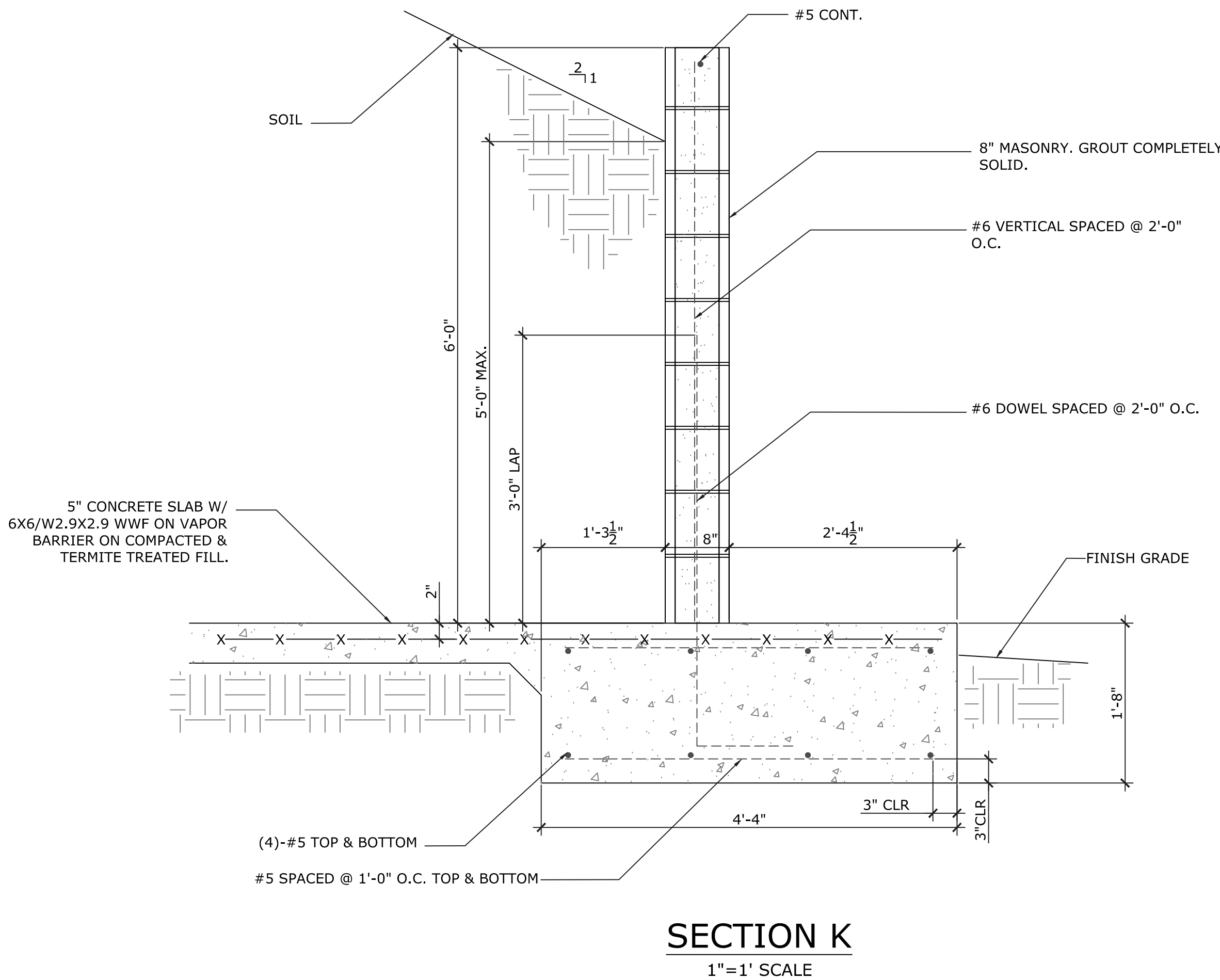
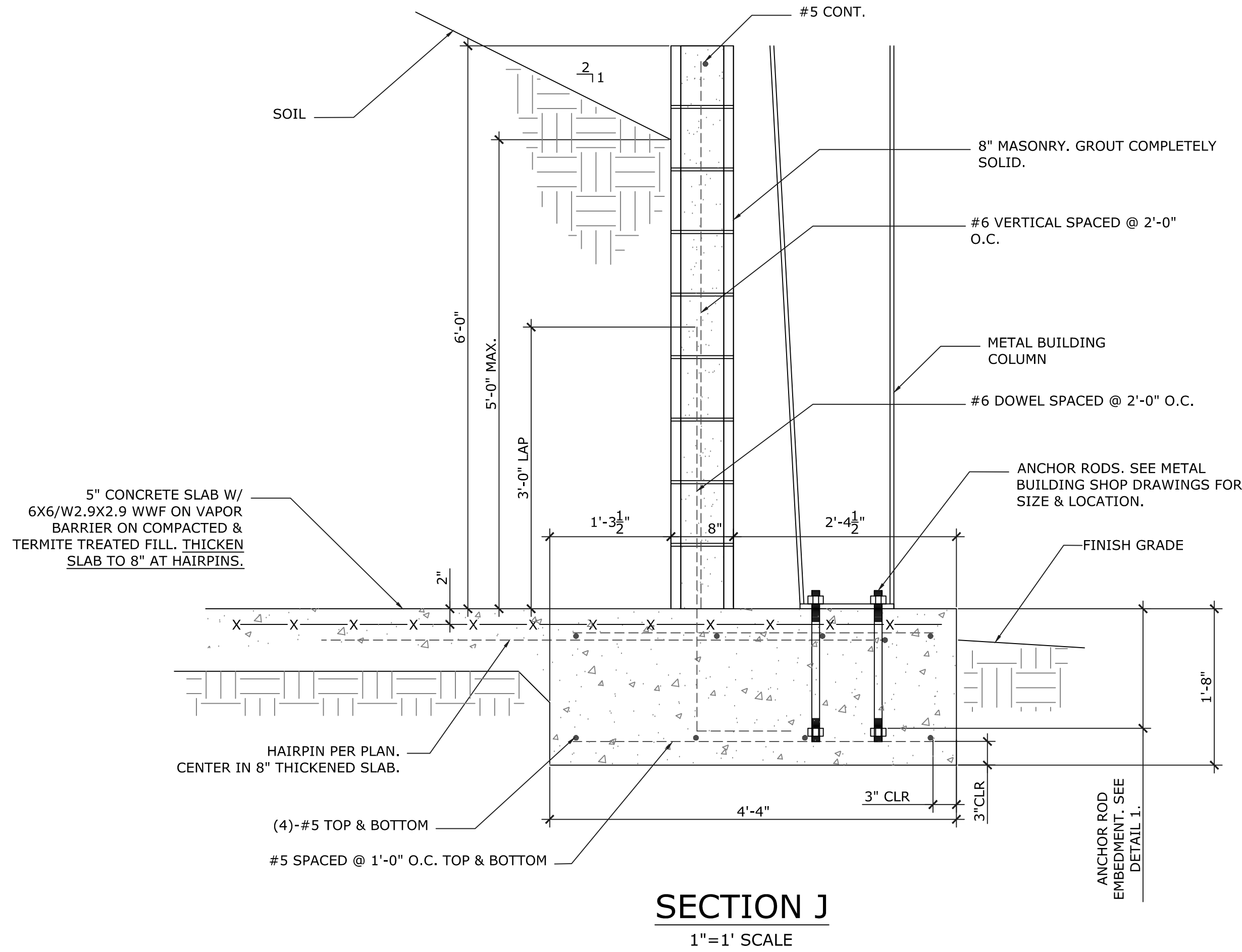
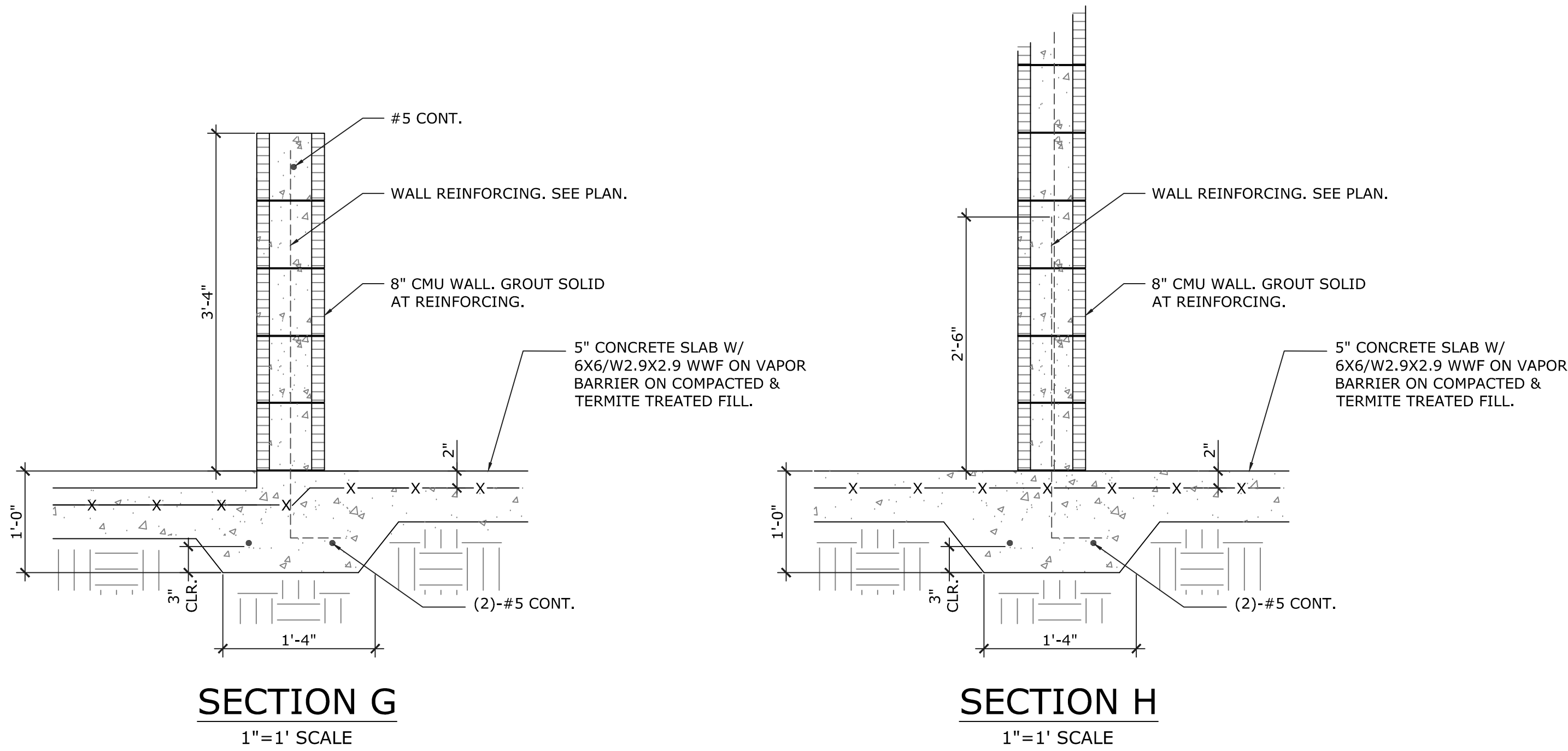
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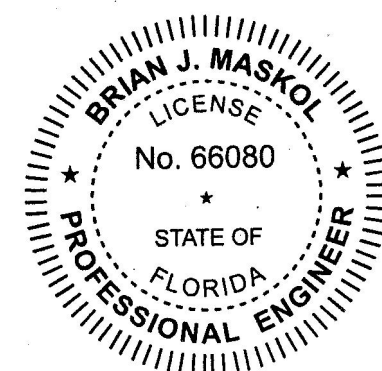
SECTION E
1"=1' SCALE



SECTION F
1"=1' SCALE



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SECTIONS & DETAILS

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S-7

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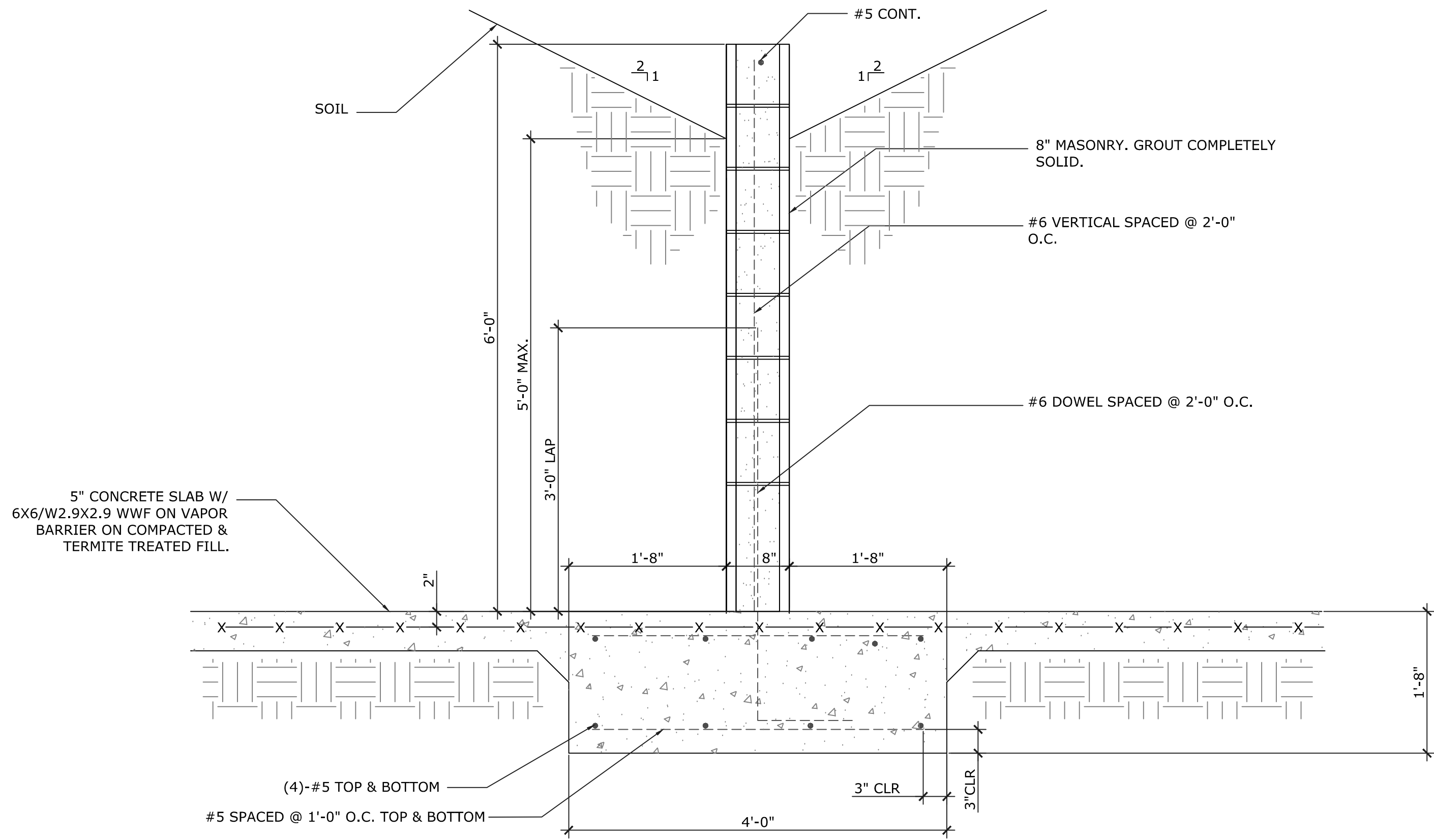
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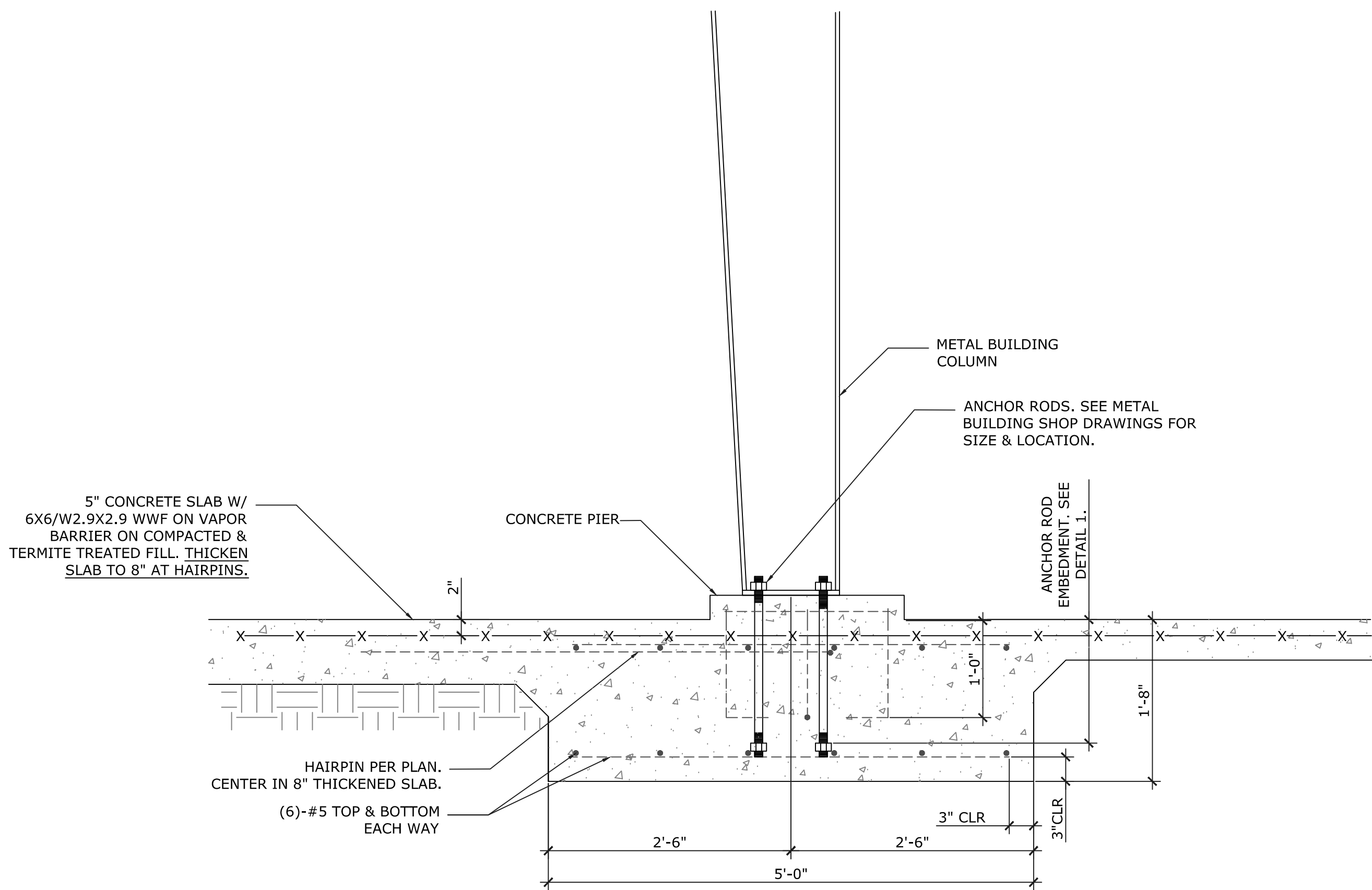
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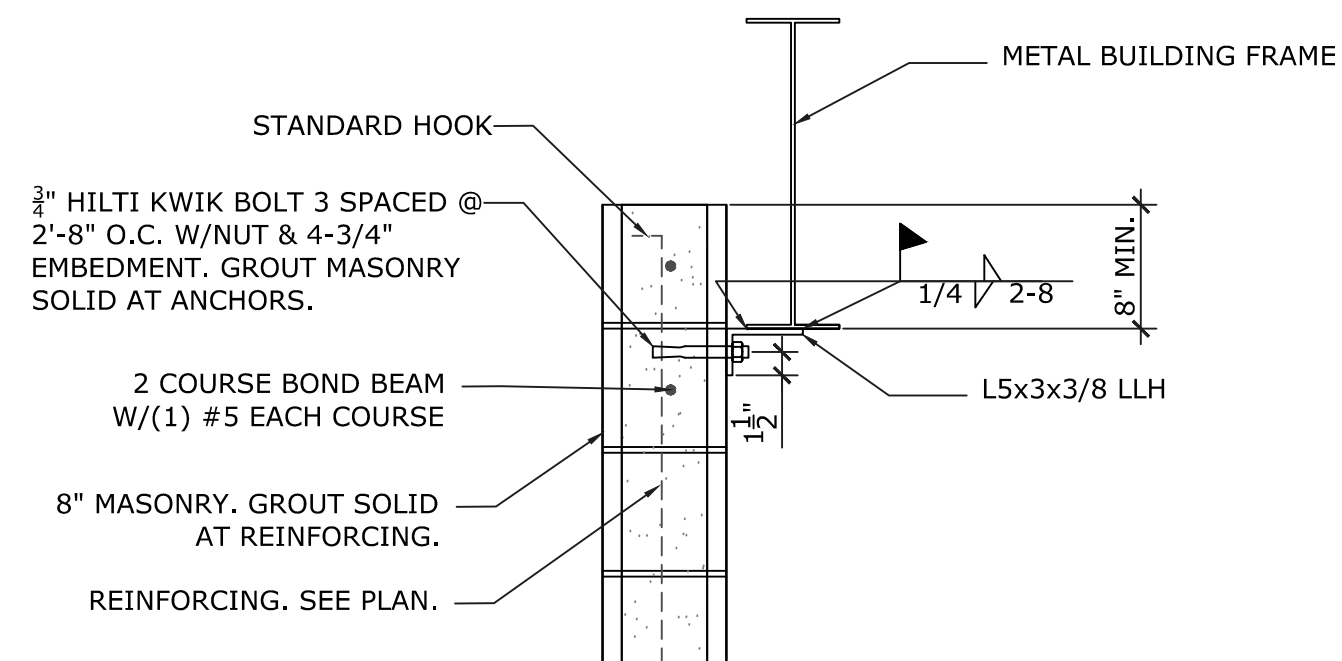
S-8



SECTION M
1"=1' SCALE



SECTION N
1"=1' SCALE



SECTION O
1"=1' SCALE

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