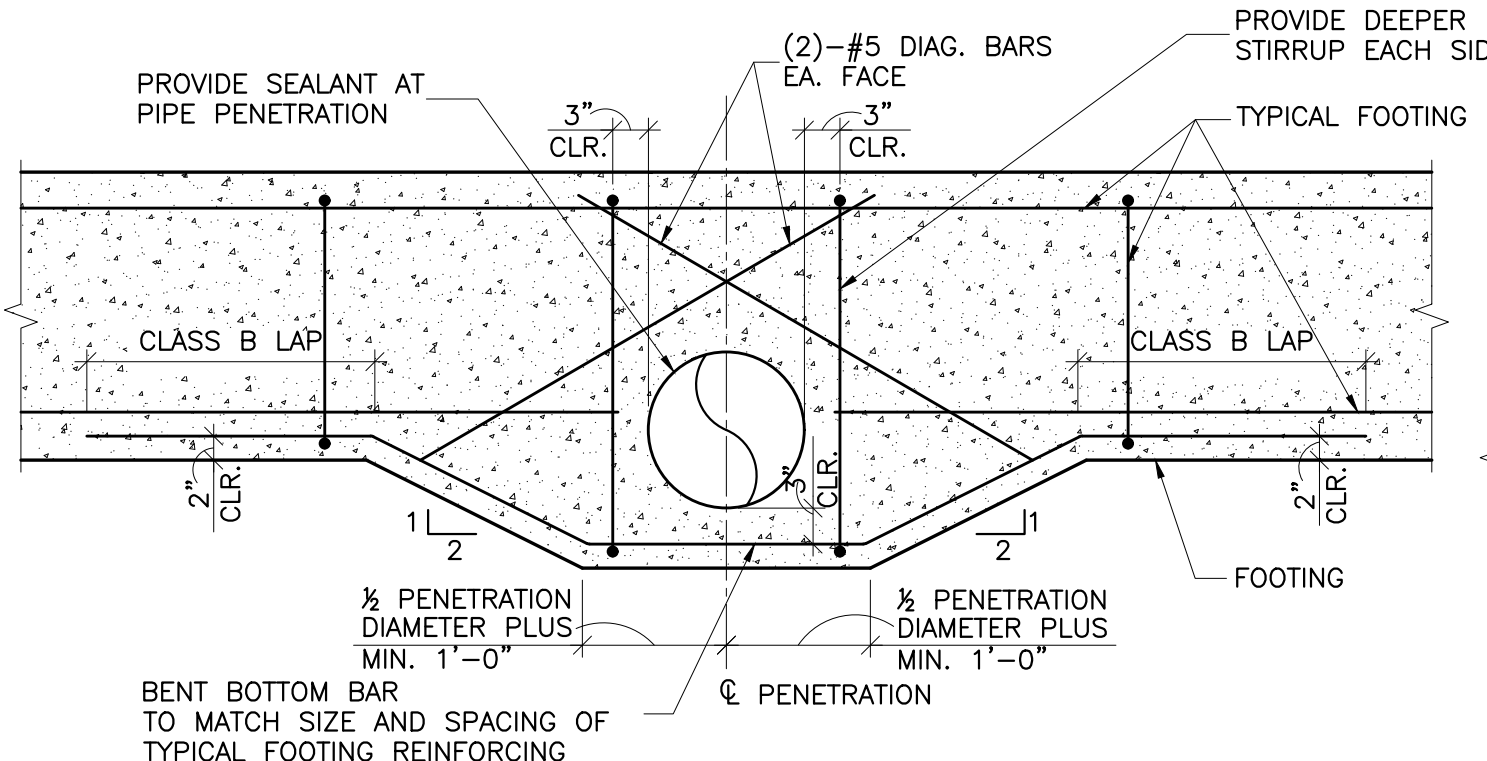
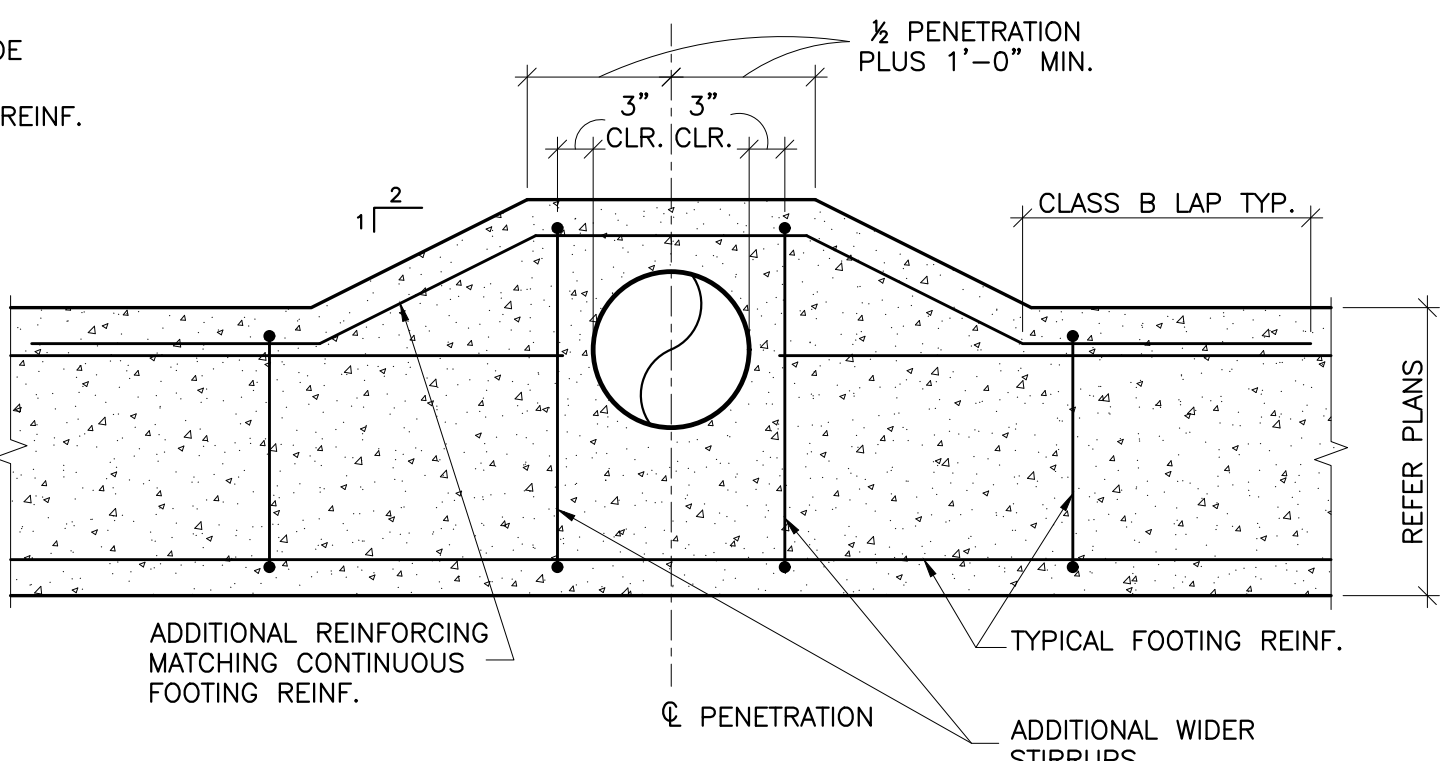


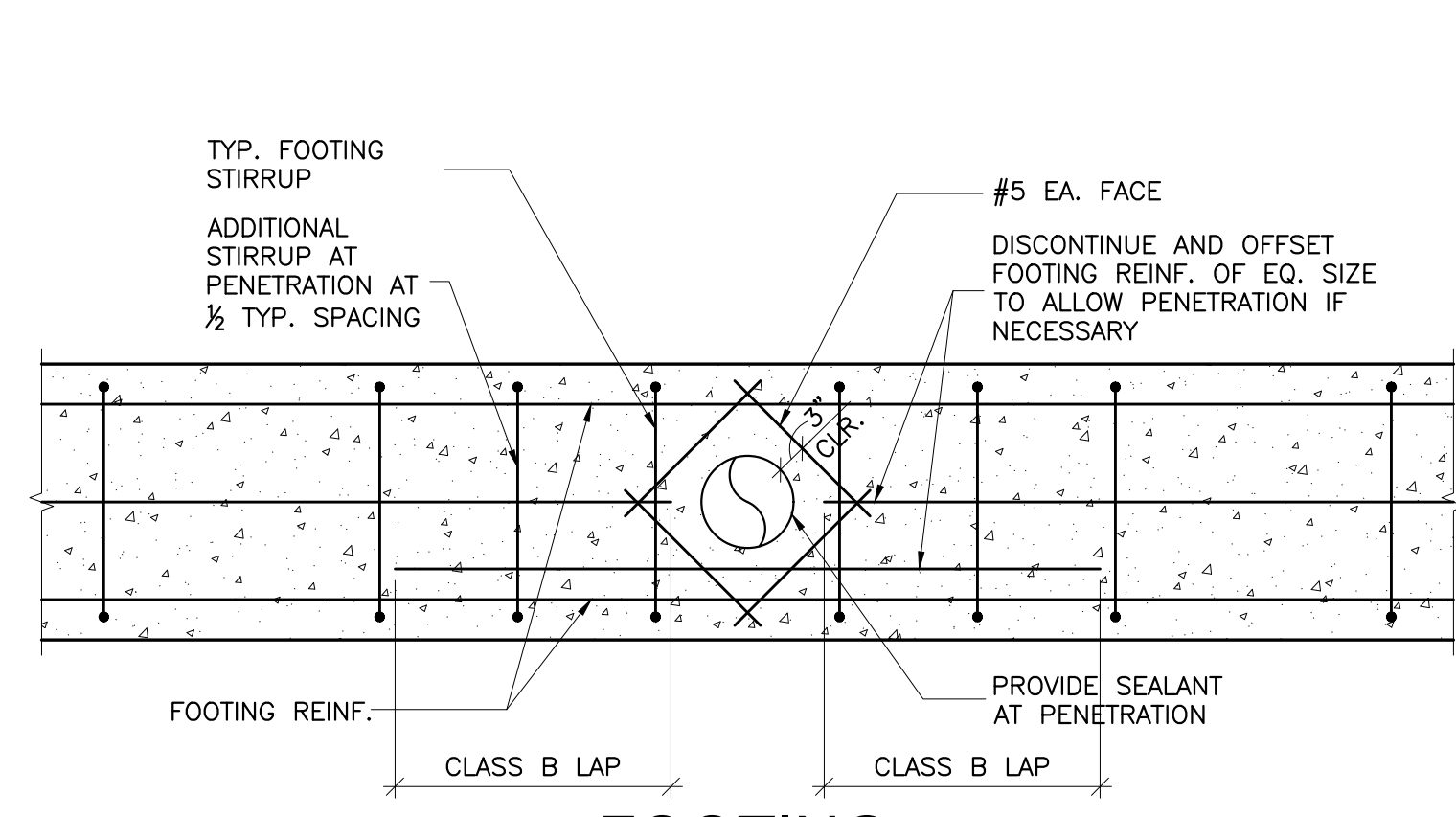
1 TYP. FOOTING CORNER REINF.
SCALE: NONE



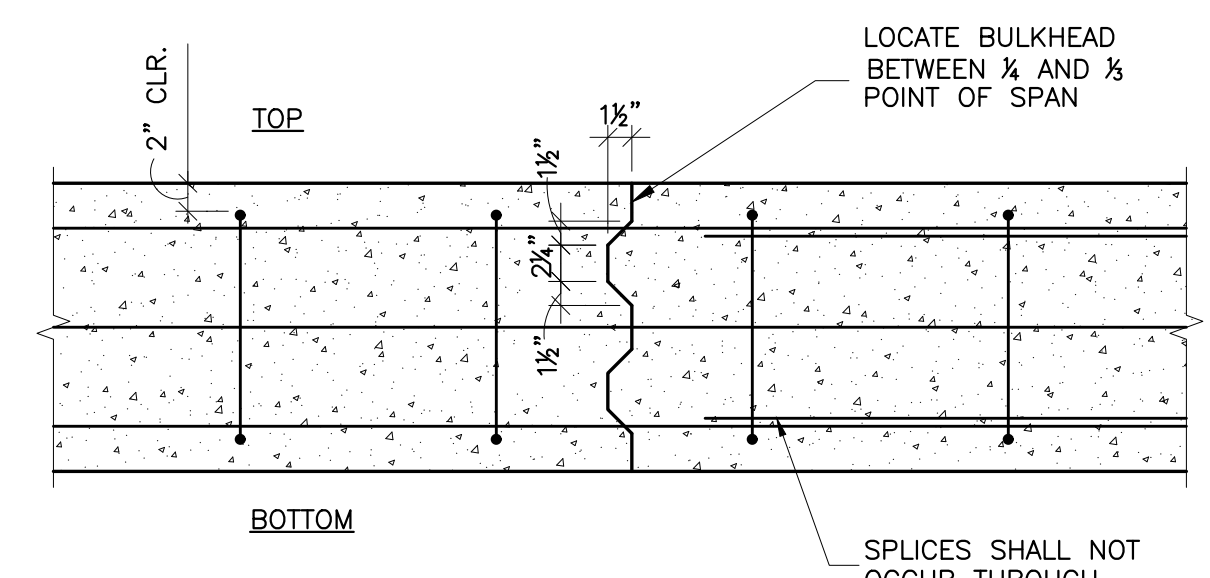
2 TYP. FOOTING PENETRATION
SCALE: NONE



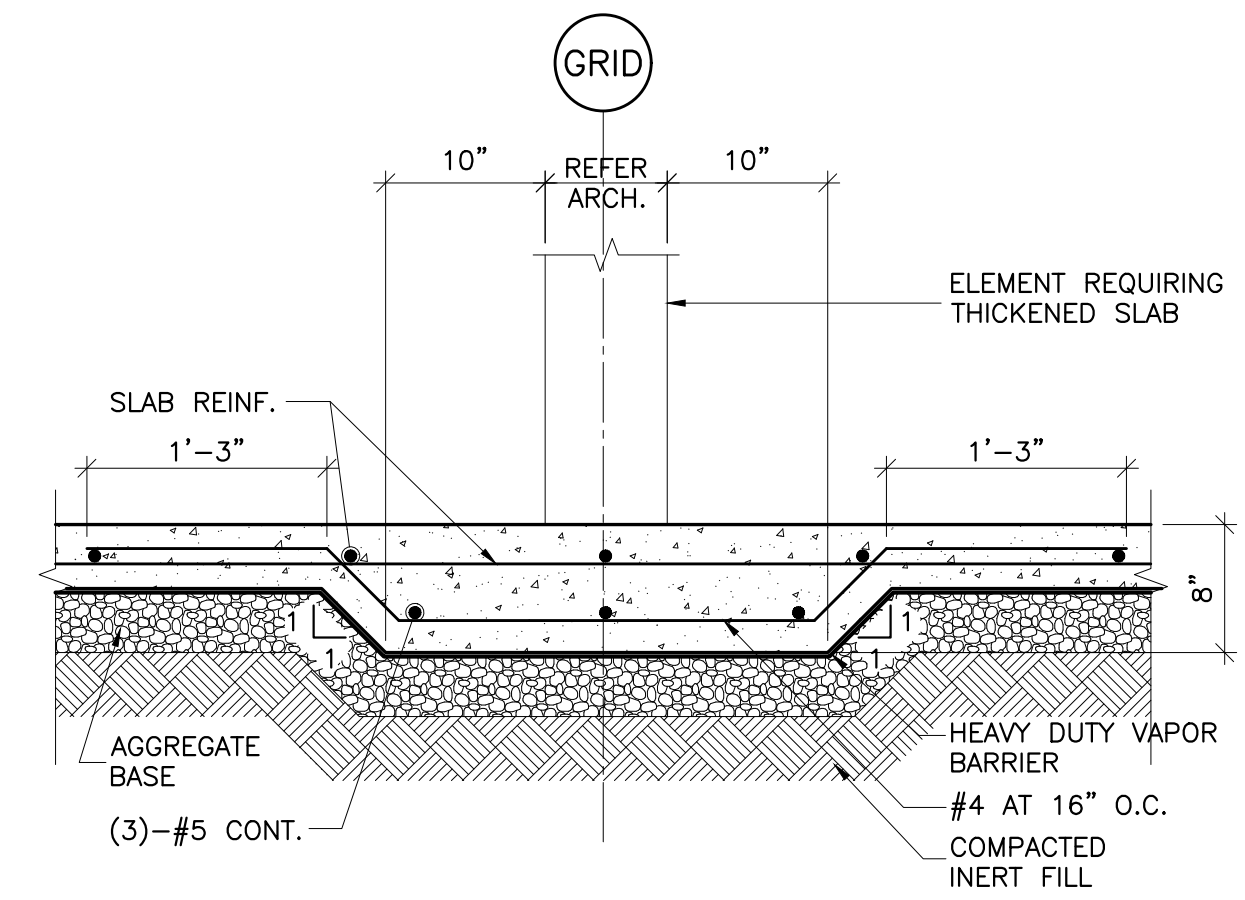
3 PLAN SECTION AT TYPICAL VERTICAL PENETRATION
SCALE: NONE



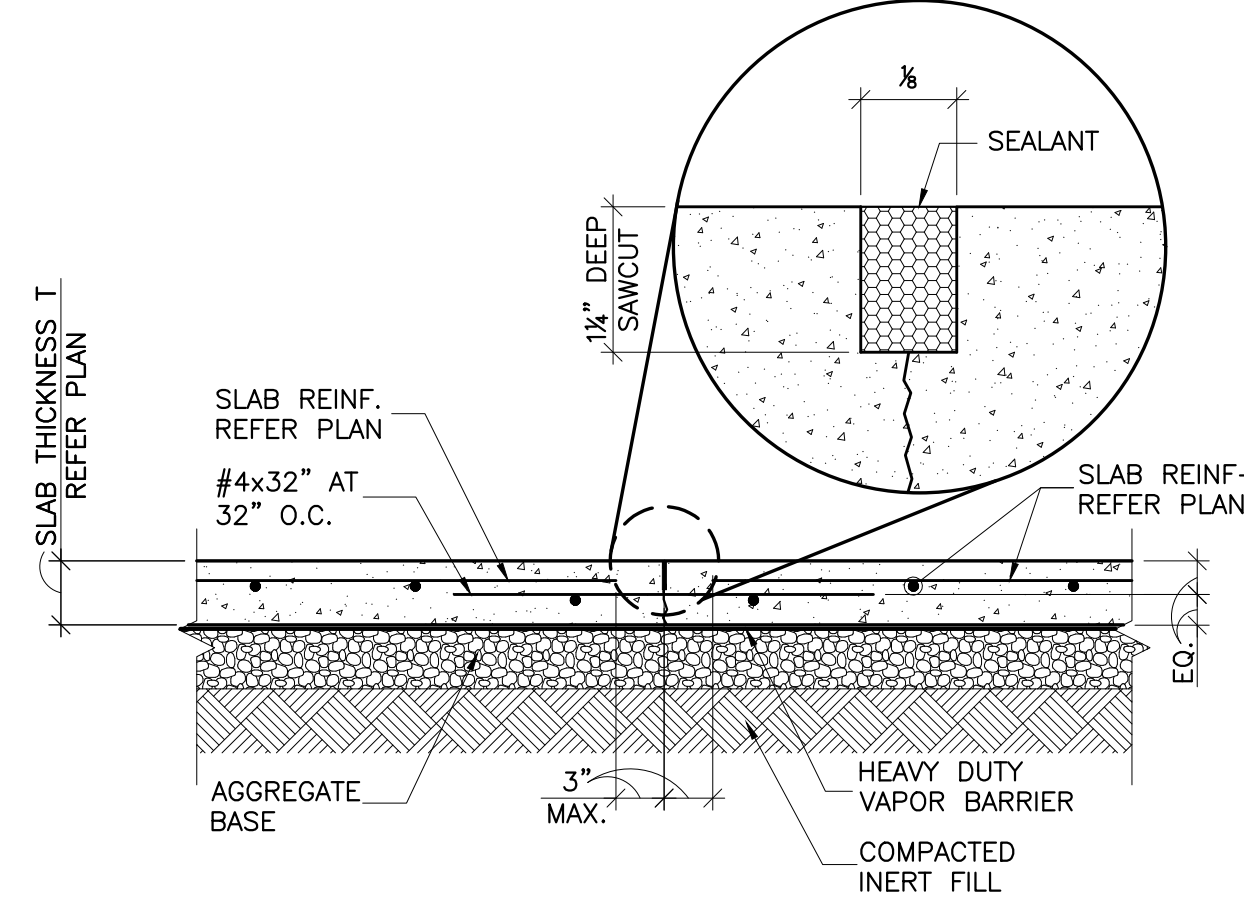
4 FOOTING PENETRATION
SCALE: NONE



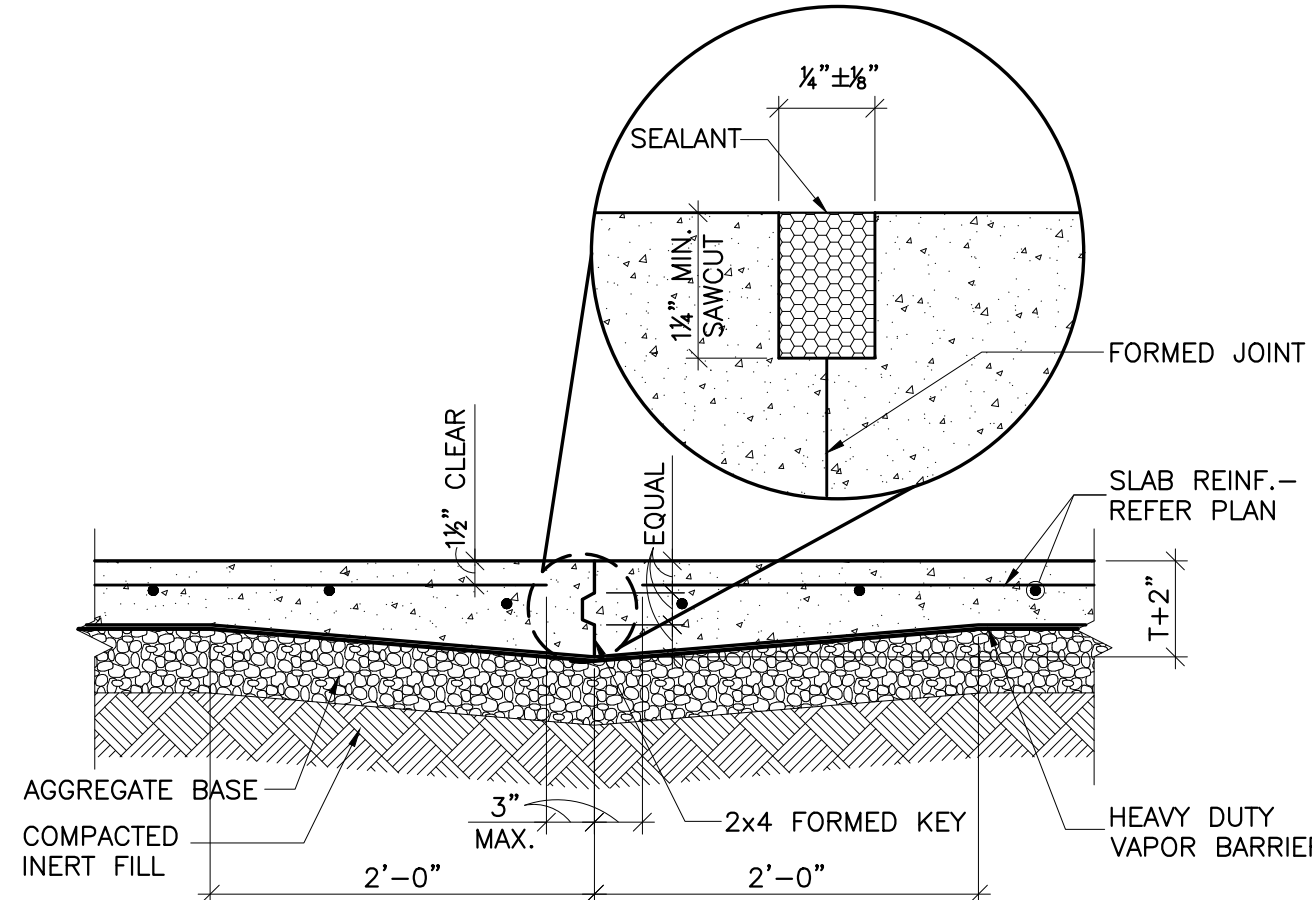
5 CJ THROUGH FOOTING
SCALE: NONE



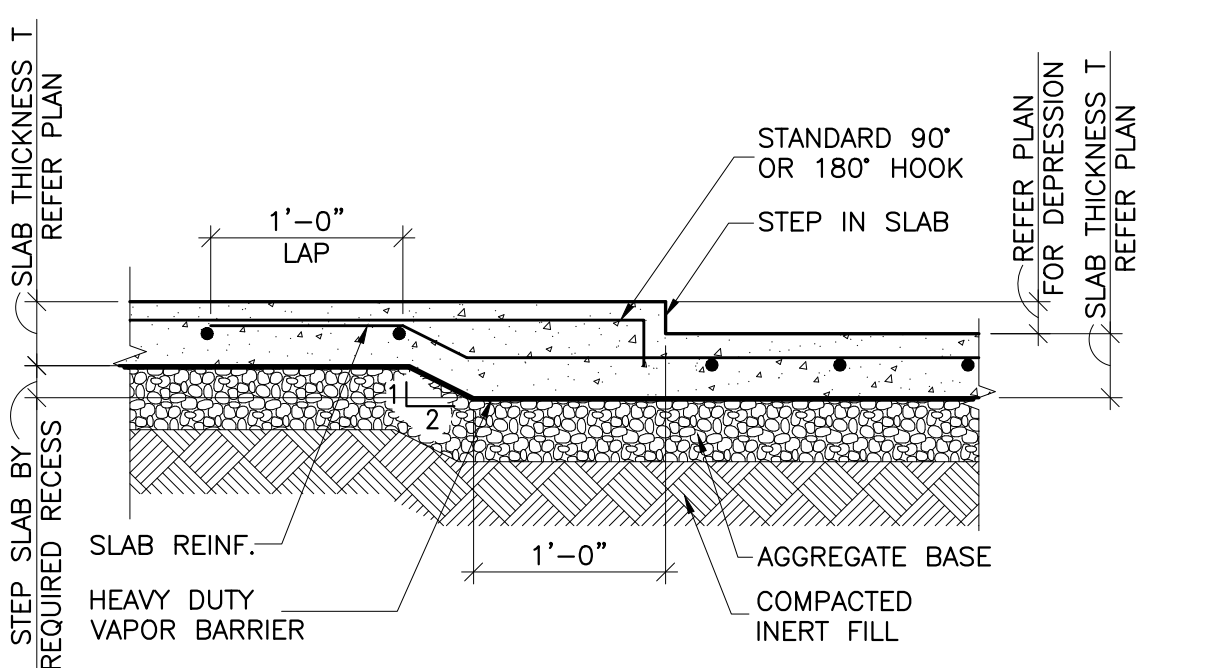
6 TYP. THICKENED SLAB
SCALE: NONE



7 TYP. SAWED JOINT (SJ)
SCALE: NONE



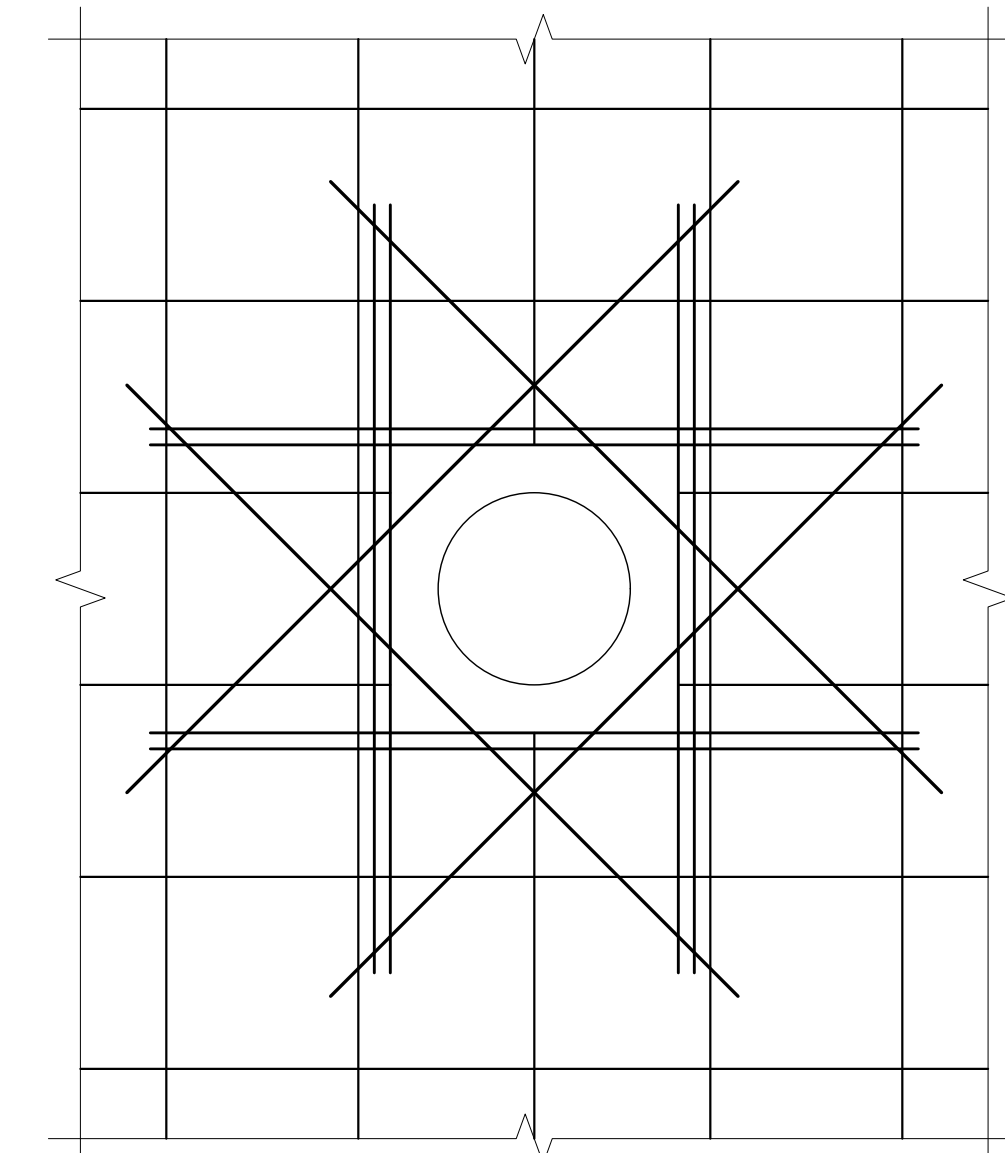
8 TYP. CONSTRUCTION JOINT (CJ)
SCALE: NONE



9 TYP. SLAB STEP
SCALE: NONE

CONCRETE EXPOSURE	MEMBER	REINFORCEMENTS	SPECIFIED COVER, IN.
CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	ALL	ALL	3
EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	ALL	NO. 6 THROUGH NO. 18 BAR	2
		NO. 5 BAR, W31 OR D31 WIRE, AND SMALLER	1-1/2
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	SLAB, JOISTS, AND WALLS	NO. 14 AND NO. 18 AND SMALLER	1-1/2
		BEAMS, COLUMNS, PEDESTALS, AND TENSION TIES	3/4
		PRIMARY REINFORCEMENT, STIRRUPS, TIES, SPIRALS, AND HOOPS	1-1/2

10 TYP. MIN. CONCRETE COVER
SCALE: NONE



11 TYP. PENETRATION THRU CONC. SLAB OR WALL
SCALE: NONE

TENSION DEVELOPMENT AND LAP-SPLICE LENGTHS FOR UNCOATED REINFORCING BARS

LENGTHS (IN.) PER CONCRETE STRENGTH

f'c=3500 psi (NORMAL WEIGHT)

BAR SIZE	LAP CLASS	LENGTHS (IN.) PER CONCRETE STRENGTH			
		TOP BARS		OTHER BARS	
		CASE 1	CASE 2	CASE 1	CASE 2
#3	A	20	30	16	23
	B	26	39	20	30
#4	A	27	40	21	31
	B	35	52	27	40
#5	A	33	50	26	39
	B	43	65	33	50
#6	A	40	60	31	46
	B	52	78	40	60
#7	A	58	87	45	67
	B	75	113	58	87
#8	A	66	99	51	77
	B	86	129	66	99
#9	A	75	112	58	86
	B	97	145	75	112
#10	A	84	126	65	97
	B	109	164	84	126
#11	A	93	140	72	108
	B	121	182	93	140
#14	N/A	112	168	86	129
#18	N/A	149	224	115	172

NOTES: 1 in.=25.4 mm.
1. TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND NORMAL WEIGHT CONCRETE. LENGTHS ARE IN INCHES.
2. TENSION DEVELOPMENT LENGTHS AND TENSION LAP-SPLICE LENGTHS ARE CALCULATED PER ACI 318, SECTIONS 25.4.2.2 AND 25.5.2.1, RESPECTIVELY. TABULATED VALUES FOR BEAMS OR COLUMNS ARE BASED ON TRANSVERSE REINFORCEMENT AND CONCRETE COVER MEETING MINIMUM CODE REQUIREMENTS.
3. CASES 1 AND 2, WHICH DEPEND ON THE TYPE OF STRUCTURAL ELEMENT, CONCRETE COVER, AND CENTER-TO-CENTER SPACING OF THE BARS, ARE DEFINED AS: BEAMS OR COLUMNS: CASE 1-COVER AT LEAST 1.0d_c AND CENTER-TO-CENTER SPACING AT LEAST 2.0d_c; AND CASE 2-COVER LESS THAN 1.0d_c OR CENTER-TO-CENTER SPACING LESS THAN 2.0d_c. ALL OTHERS: CASE 1-COVER AT LEAST 1.0d_c AND CENTER-TO-CENTER SPACING AT LEAST 3.0d_c. CASE 2-COVER LESS THAN 1.0d_c OR CENTER-TO-CENTER SPACING LESS THAN 3.0d_c.
4. LAP SPLICE LENGTHS ARE MULTIPLES OF TENSION DEVELOPMENT LENGTHS; CLASS A=1.0d_c AND CLASS B=1.3d_c (ACI 318, SECTION 25.5.2.1).
5. ACI 318 DOES NOT ALLOW TENSION LAP SPLICES OF #14 OR #18 BARS. THE TABULATED VALUES FOR THOSE BAR SIZES ARE THE TENSION DEVELOPMENT LENGTHS.
6. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 IN. OF CONCRETE CAST BELOW THE BARS.
7. FOR LIGHTWEIGHT-AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.3.

TENSION DEVELOPMENT AND LAP-SPLICE LENGTHS FOR UNCOATED REINFORCING BARS

LENGTHS (IN.) PER CONCRETE STRENGTH

f'c=4000 psi (NORMAL WEIGHT)

BAR SIZE	LAP CLASS	LENGTHS (IN.) PER CONCRETE STRENGTH			
		TOP BARS		OTHER BARS	
		CASE 1	CASE 2	CASE 1	CASE 2
#3	A	19	28	15	22
	B	24	36	19	28
#4	A	25	37	19	29
	B	32	48	25	37
#5	A	31	47	24	36
	B	40	60	31	47
#6	A	37	56	29	43
	B	48	72	37	56
#7	A	54	81	42	63
	B	70	106	54	81
#8	A	62	93	48	71
	B	80	121	62	93
#9	A	70	105	54	81
	B	91	136	70	105
#10	A	79	118	61	91
	B	102	153	79	118
#11	A	87	131	67	101
	B	113	170	87	131
#14	N/A	105	157	81	121
#18	N/A	139	209	107	161

12 REINFORCING LAP LENGTHS
SCALE: NONE



CJC
drawn by
BWB
checked by
MARCH 2022
date
revisions



sheet no.

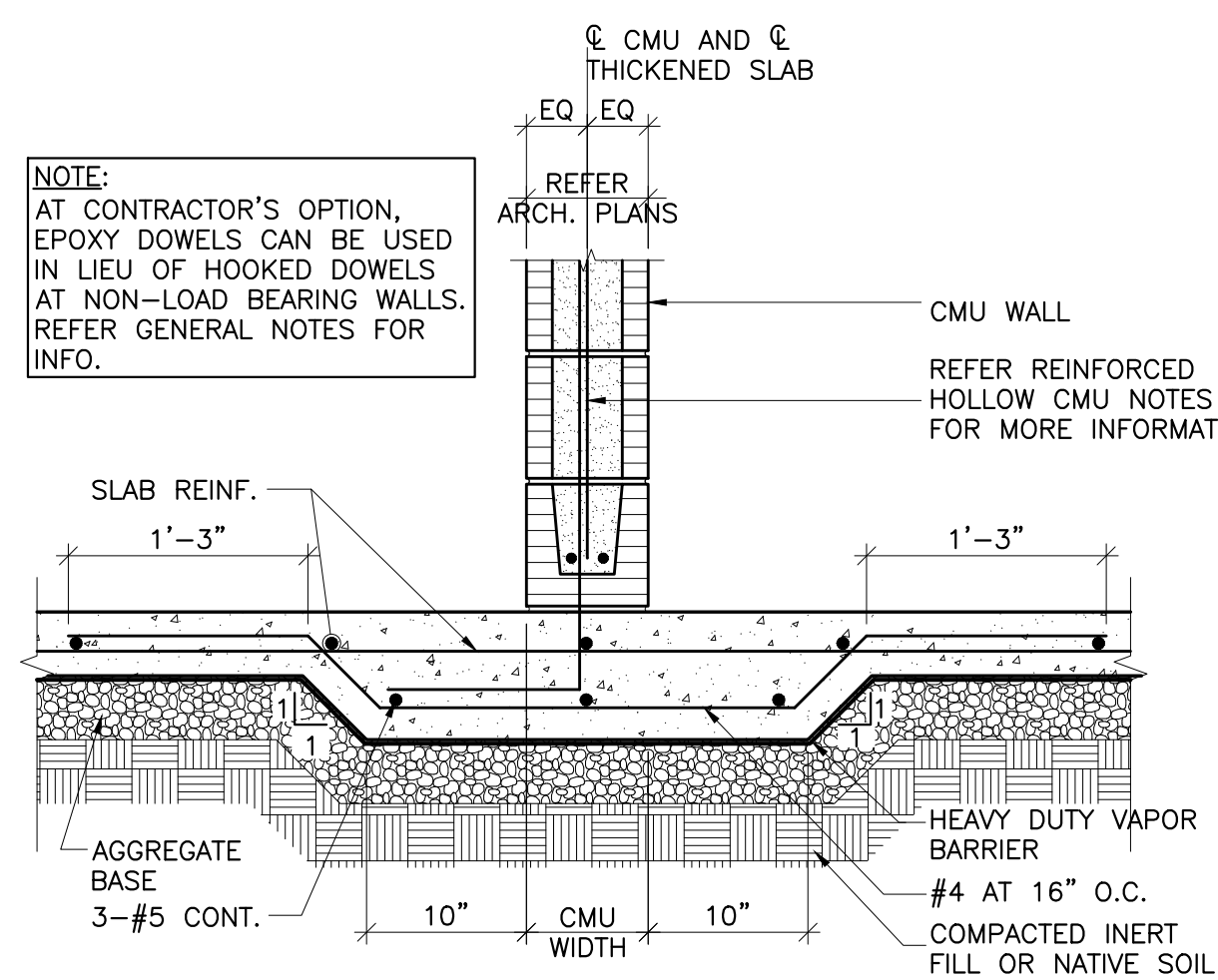
OWNERSHIP USE OF DOCUMENTS:

AGP EXPRESSLY RESERVES ITS
COPYRIGHT AND OTHER PROPERTY
RIGHTS OF ALL PLANS AND DRAWINGS
DESIGNED AND/OR PRODUCED. PLANS
AND DRAWINGS ARE NOT TO BE
REPRODUCED IN ANY FORM OR MANNER
WITHOUT THE EXPRESSED WRITTEN
CONSENT OF AGP.

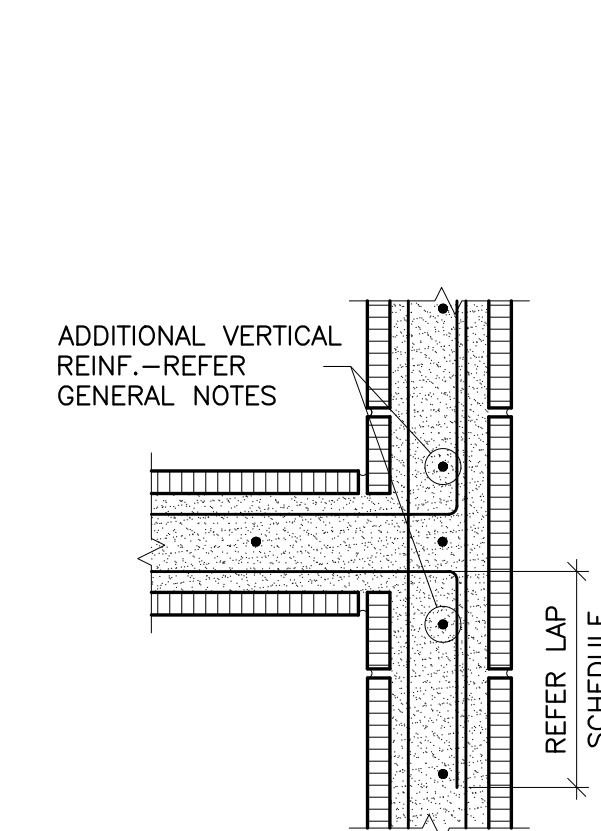




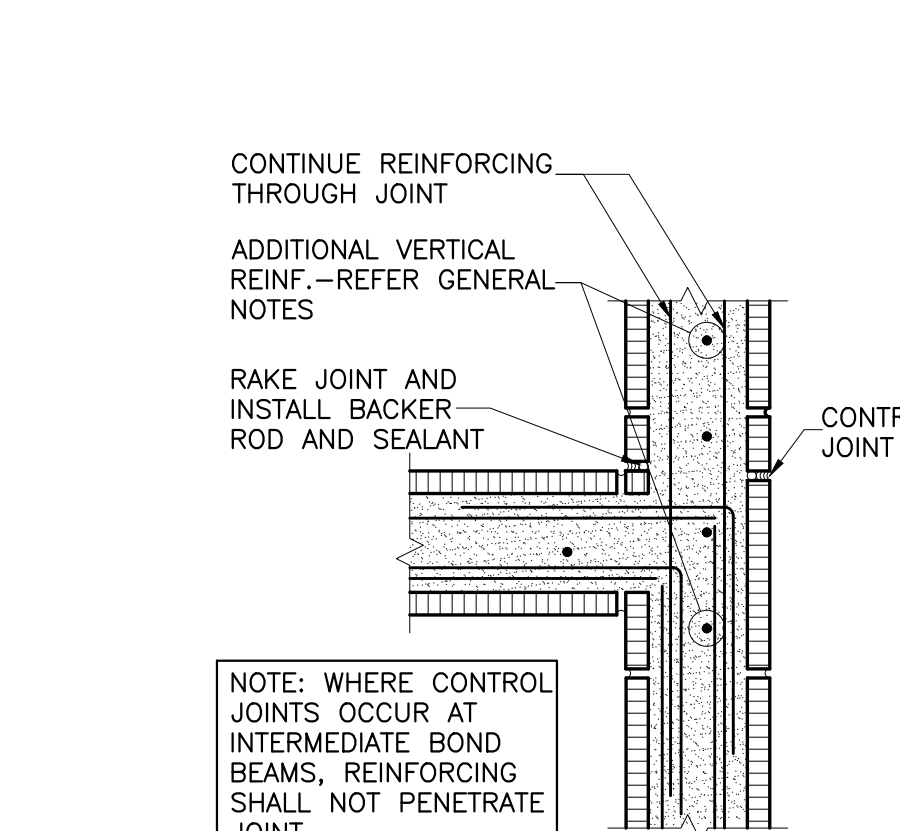
CJC
drawn by
BWB
checked by
MARCH 2022
date
revisions



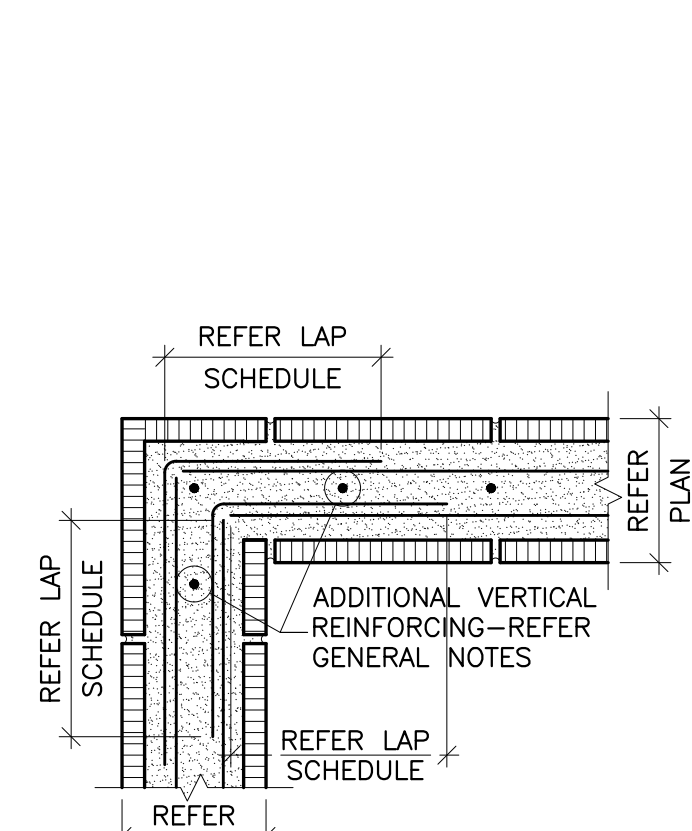
1 THICKENED SLAB AT CMU
SCALE: NONE



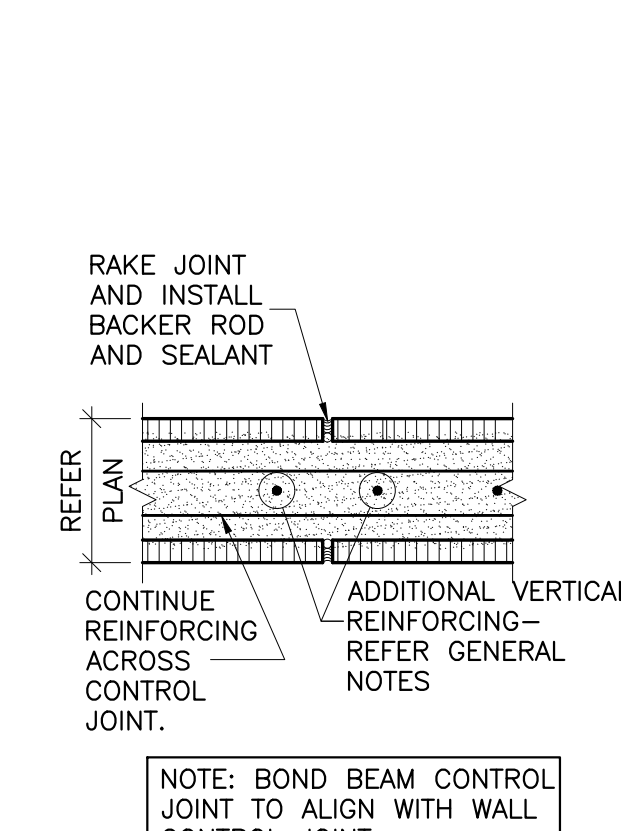
2 DETAIL AT BOND BEAM CORNER W/ NO CONTROL JT
SCALE: NONE



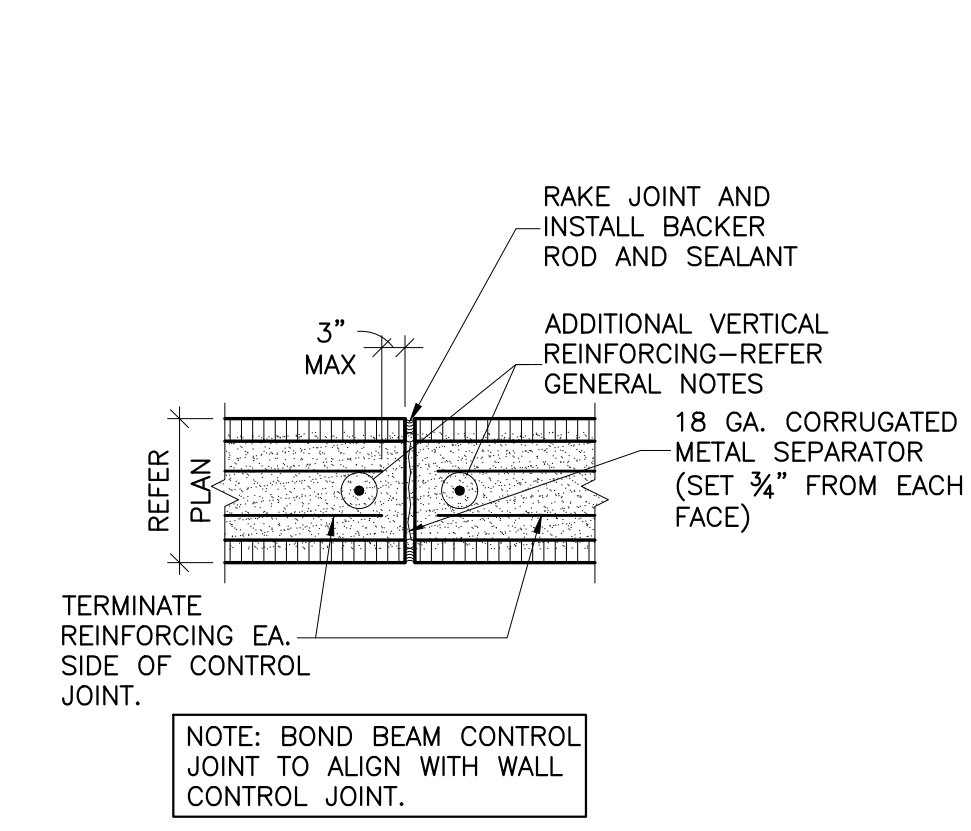
3 DETAIL AT FLOOR/ROOF BOND BEAM CORNER W/ CONTROL JT
SCALE: NONE



4 CORNER BOND BEAM WITH NO CONTROL JT
SCALE: NONE



5 CONTROL JT AT FLOOR/ROOF BOND BEAM
SCALE: NONE

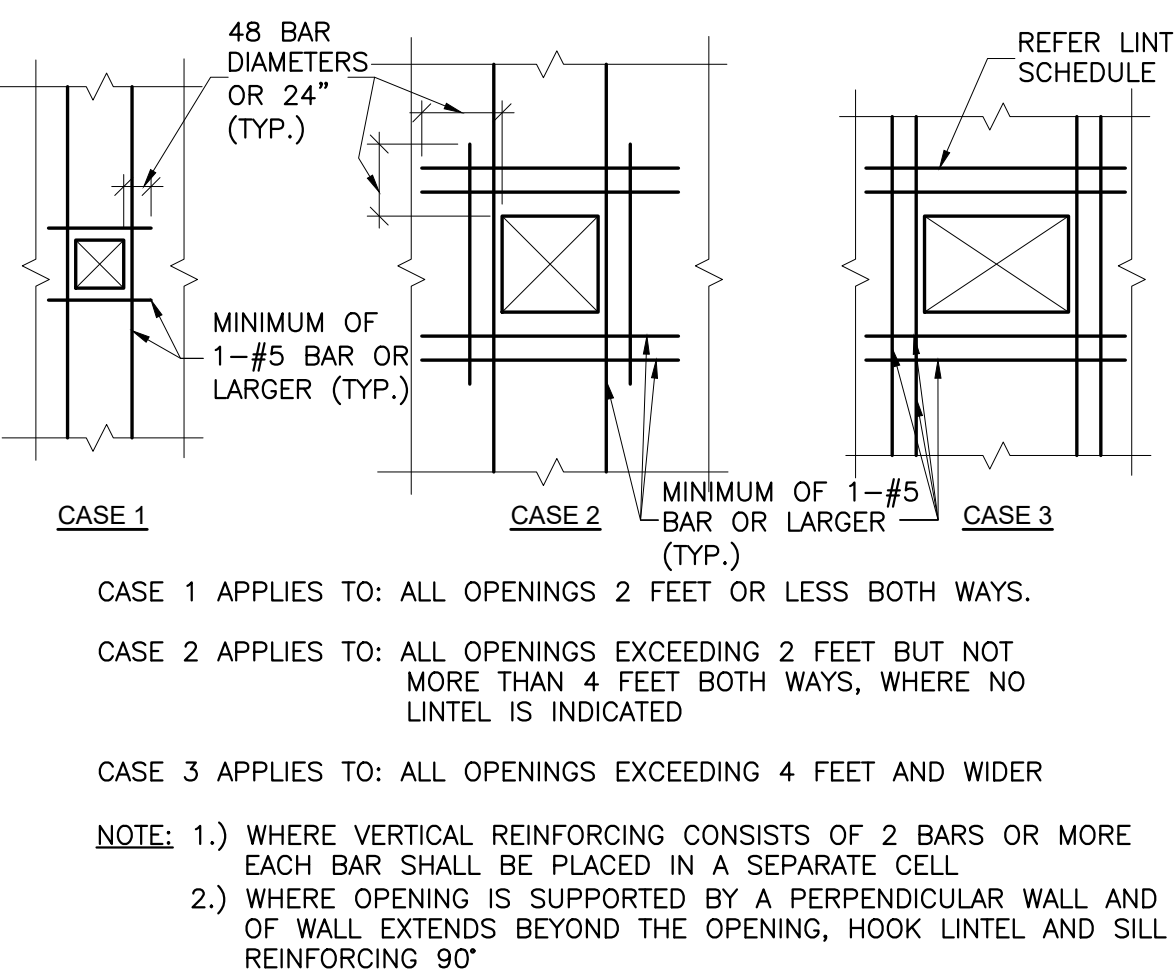


6 CONTROL JT AT INTERMEDIATE BOND BEAM
SCALE: NONE

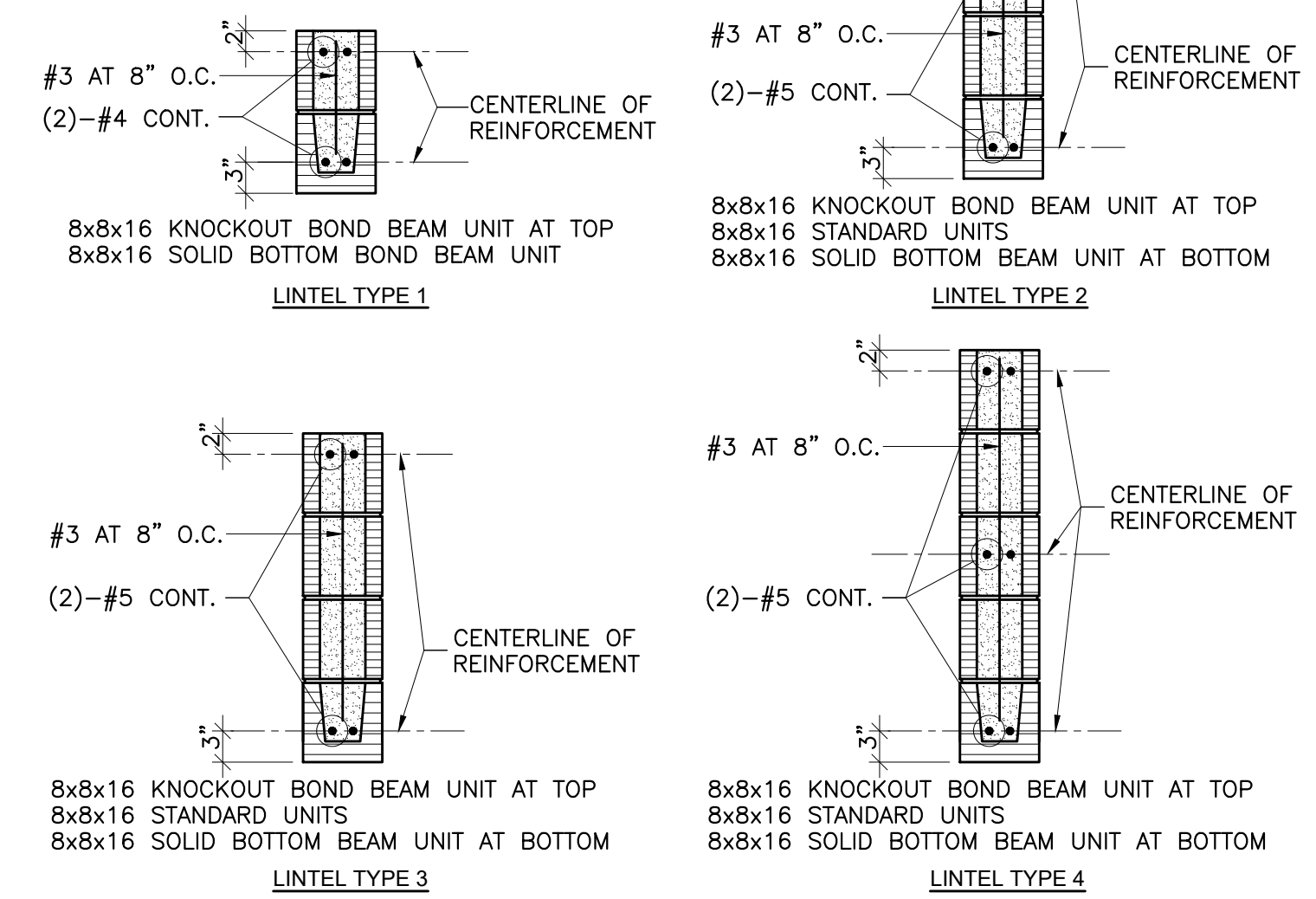
BAR SIZE	LENGTH (in.)			EDGE (2 IN CLEAR COVER)
	6" CMU	8" CMU	12" CMU	
3	1'-0"	1'-0"	1'-0"	1'-6"
4	1'-6"	1'-6"	1'-0"	2'-0"
5	2'-6"	2'-0"	1'-6"	3'-0"
6	**	3'-6"	2'-0"	**
7	**	**	3'-0"	**
8	**	**	**	**

7 CMU REINFORCING LAP SCHEDULE
SCALE: NONE

NOTES:
1. $f_m = 2000$ psi
2. $f_y = 60,000$ psi
*SCHEDULE ALSO APPLIES TO EMBEDMENT LENGTHS
**MECHANICAL SPLICES SHALL BE USED



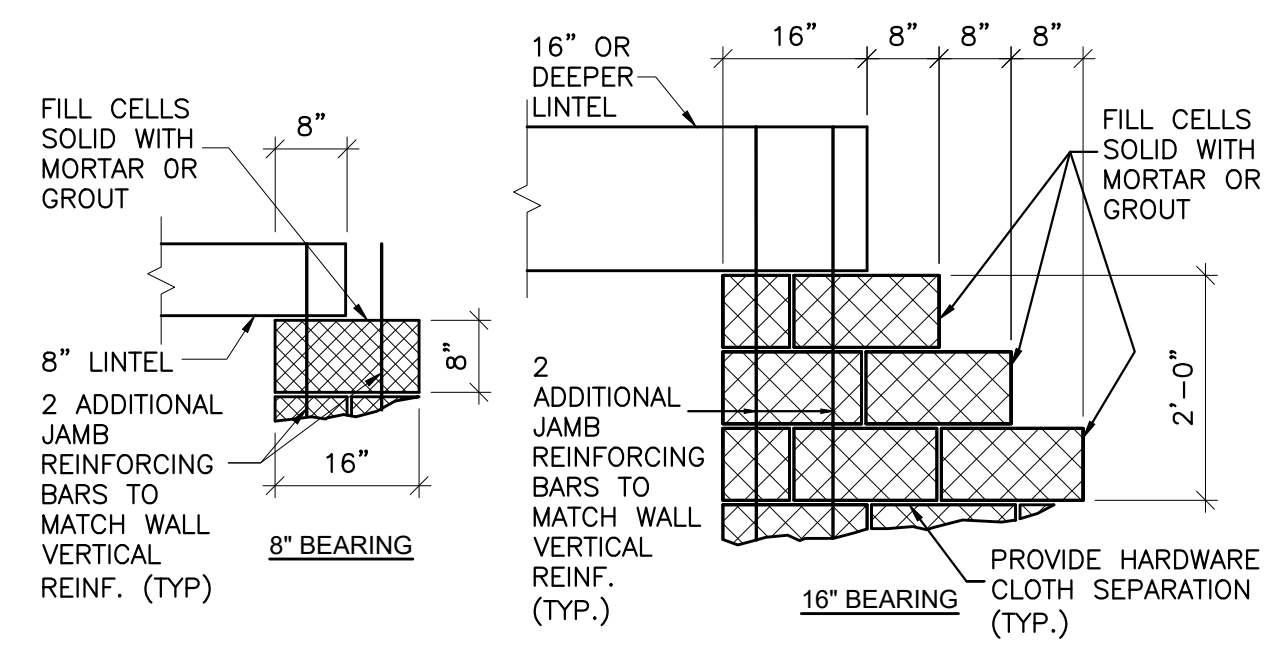
8 REINFORCING AROUND CMU WALL OPENING
SCALE: NONE



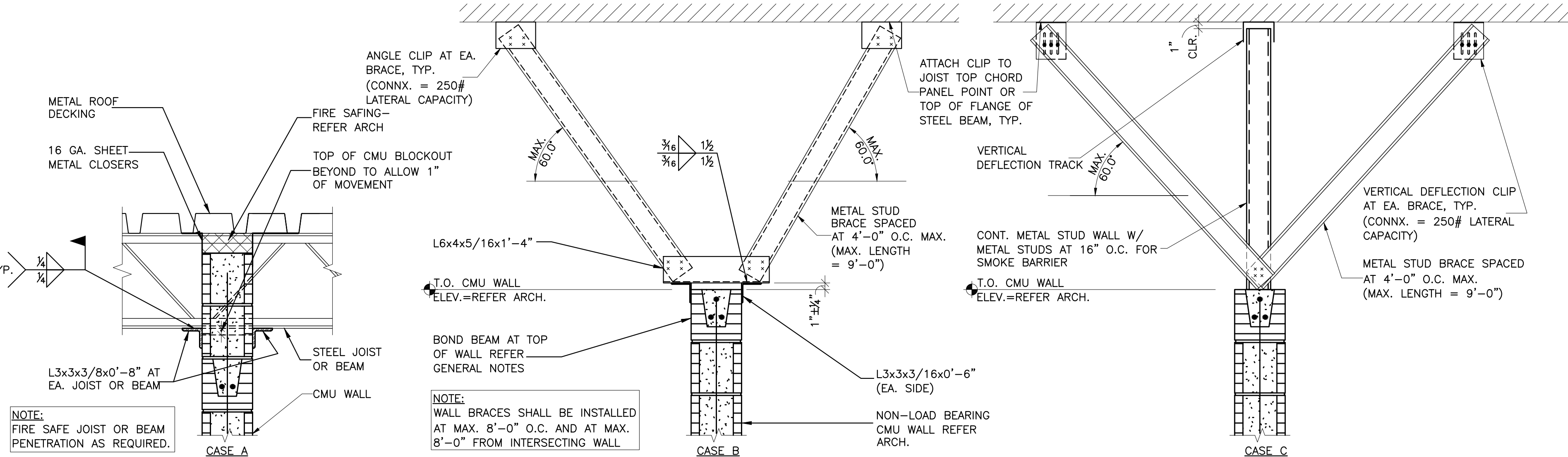
9 TYP. LINTEL TYPES
SCALE: NONE

TYPE	SPAN IN FEET
1	UP TO 4'-0"
2	4'-1" TO 6'-8"
3	6'-9" TO 9'-4"
4	9'-5" TO 12'-0"

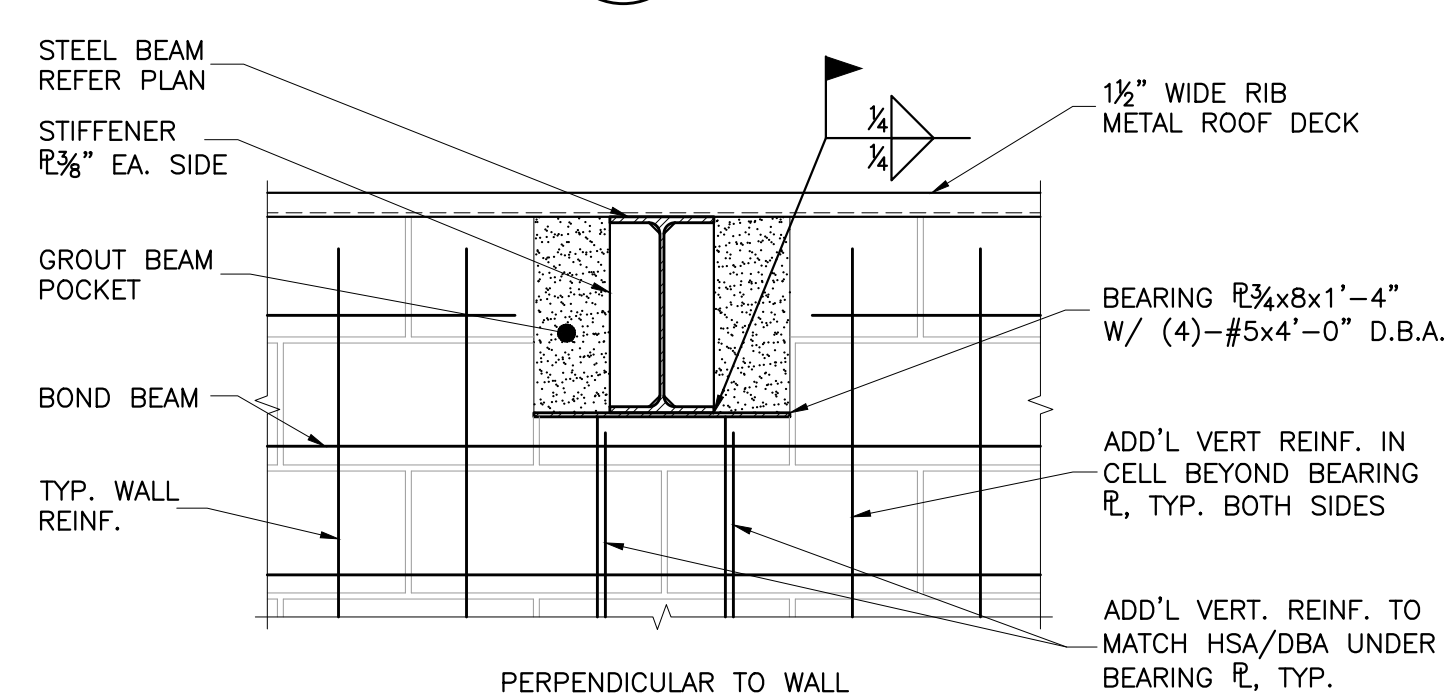
NOTE: REFER # ON PLANS FOR LINTEL TYPES.



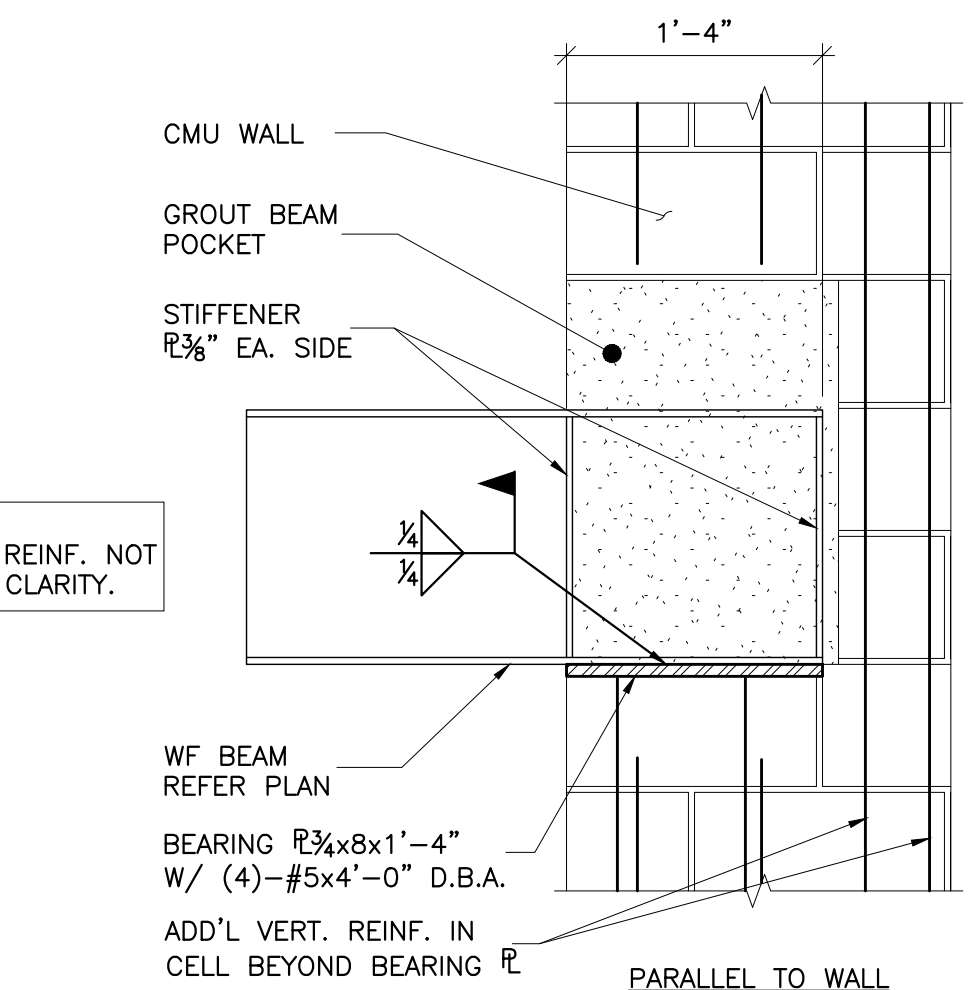
10 BEARING DETAILS TYP. LINTEL TYPES
SCALE: NONE



11 TYP. BRACING AT TOP OF NON-LOAD BEARING CMU
SCALE: NONE



NOTE: HORIZ. CMU REINF. NOT SHOWN FOR CLARITY.



12 TYPICAL BEAM BEARING PLATE DETAILS
SCALE: NONE

MOORE PUBLIC SCHOOLS BOARD OF EDUCATION MOORE, OKLAHOMA



CLASSROOM ADDITION MOORE WEST JUNIOR HIGH SCHOOL

sheet no:

S104

OWNERSHIP USE OF DOCUMENTS:
AGP EXPRESSLY RESERVES ITS COPYRIGHT AND OTHER PROPERTY RIGHTS OF ALL PLANS AND DRAWINGS DESIGNED AND/OR PRODUCED. PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED IN ANY FORM OR MANNER WITHOUT THE EXPRESSED WRITTEN CONSENT OF AGP.

KFC engineering
Kirkpatrick Forest Curtis PC
Structural Engineering
OK CA #38818, EXP. 06/30/23
525 Central Park Drive, Suite 202
Oklahoma City, OK 73105
Telephone: 405.528.4598
Fax: 405.528.4580



CJC
drawn by
BWB
checked by
MARCH 2022
date
revisions

MOORE PUBLIC SCHOOLS
BOARD OF EDUCATION
MOORE, OKLAHOMA



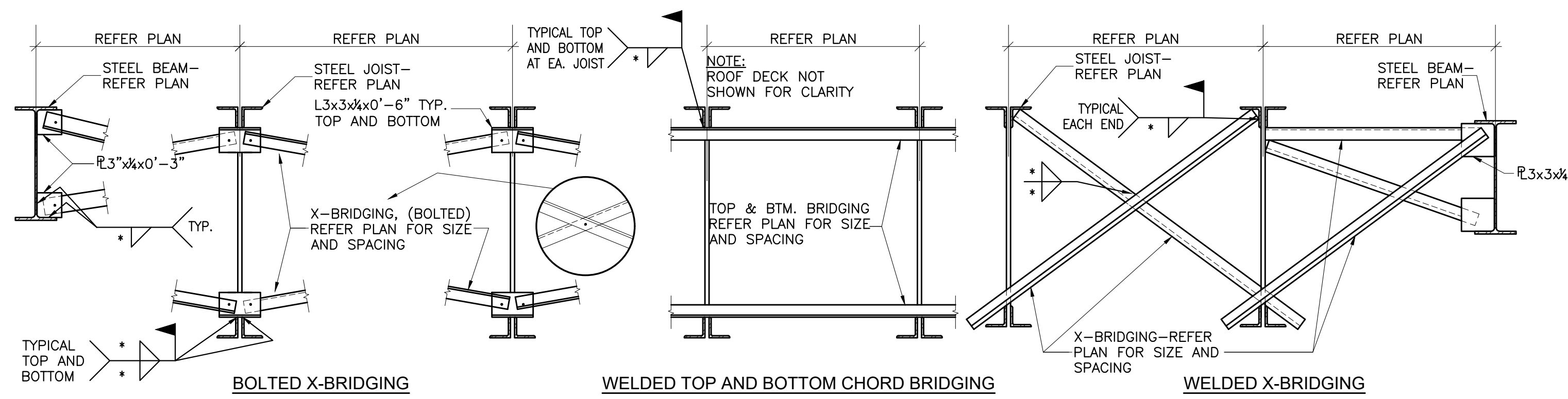
CLASSROOM ADDITION
MOORE WEST
JUNIOR HIGH SCHOOL

sheet no:

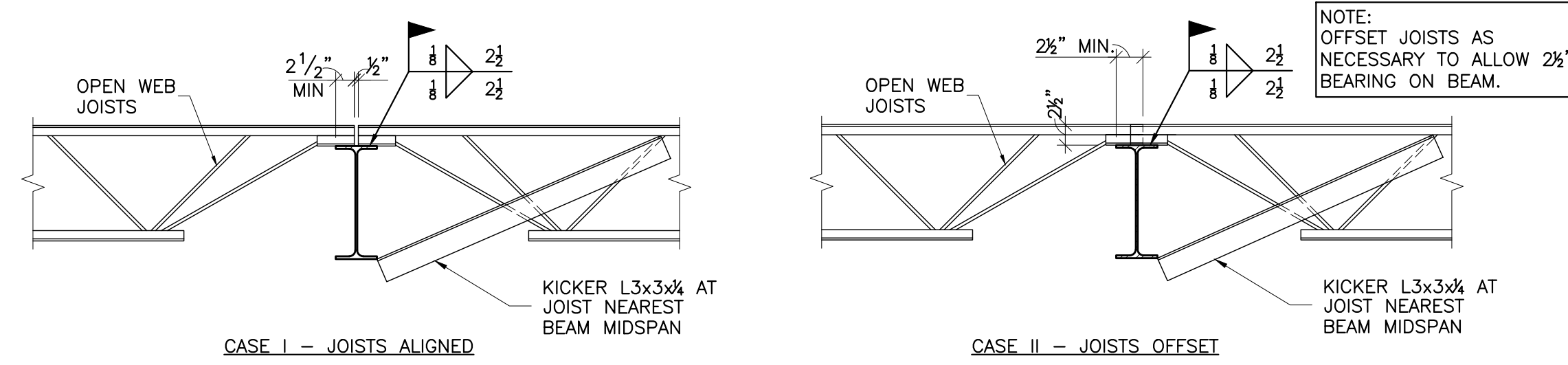
S105



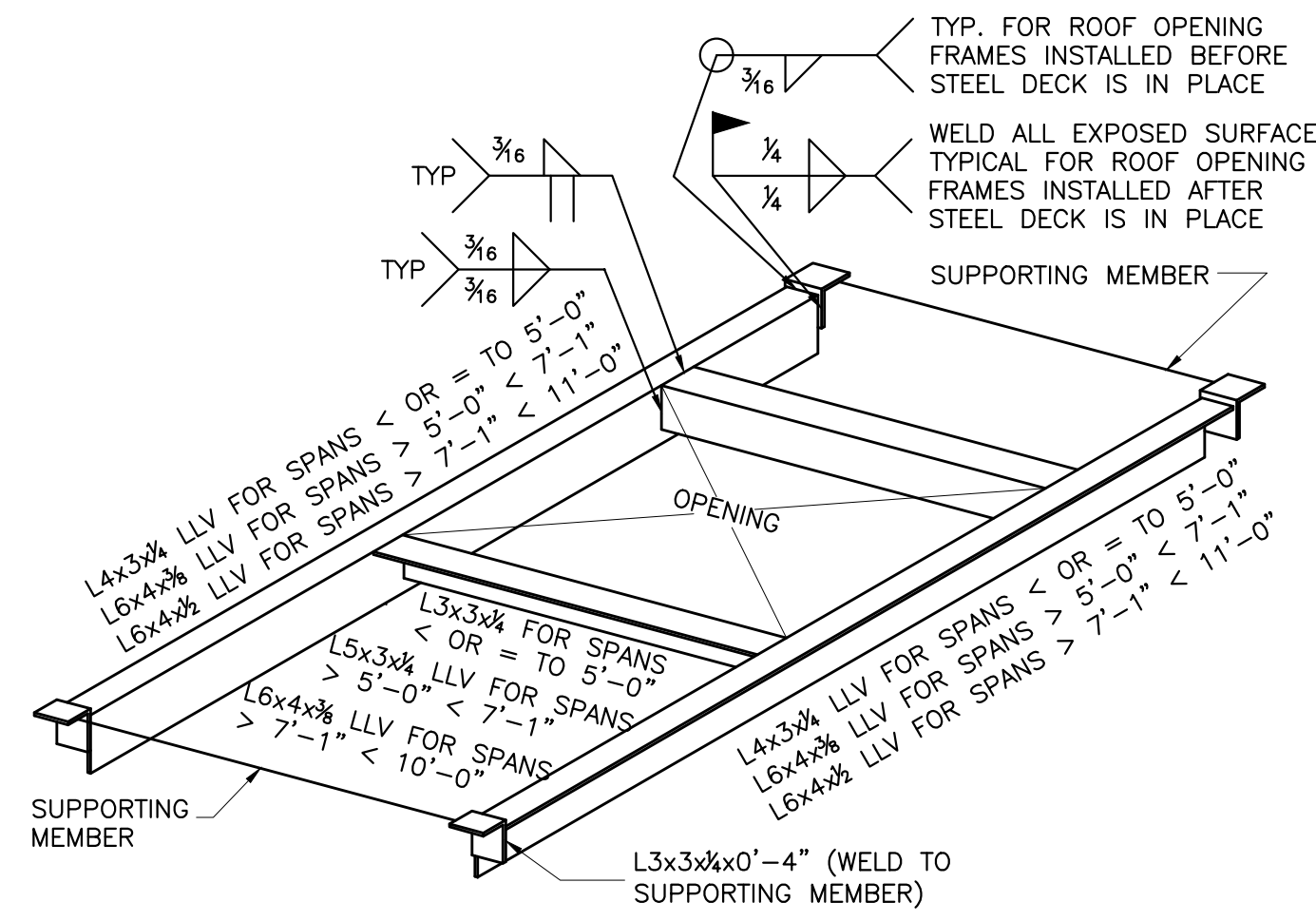
OWNERSHIP USE OF DOCUMENTS:
AGP EXPRESSLY RESERVES ITS
COPYRIGHT AND OTHER PROPERTY
RIGHTS OF ALL PLANS AND DRAWINGS
DESIGNED AND/OR PRODUCED. PLANS
AND DRAWINGS ARE NOT TO BE
REPRODUCED IN ANY FORM OR MANNER
WITHOUT THE EXPRESSED WRITTEN
CONSENT OF AGP.



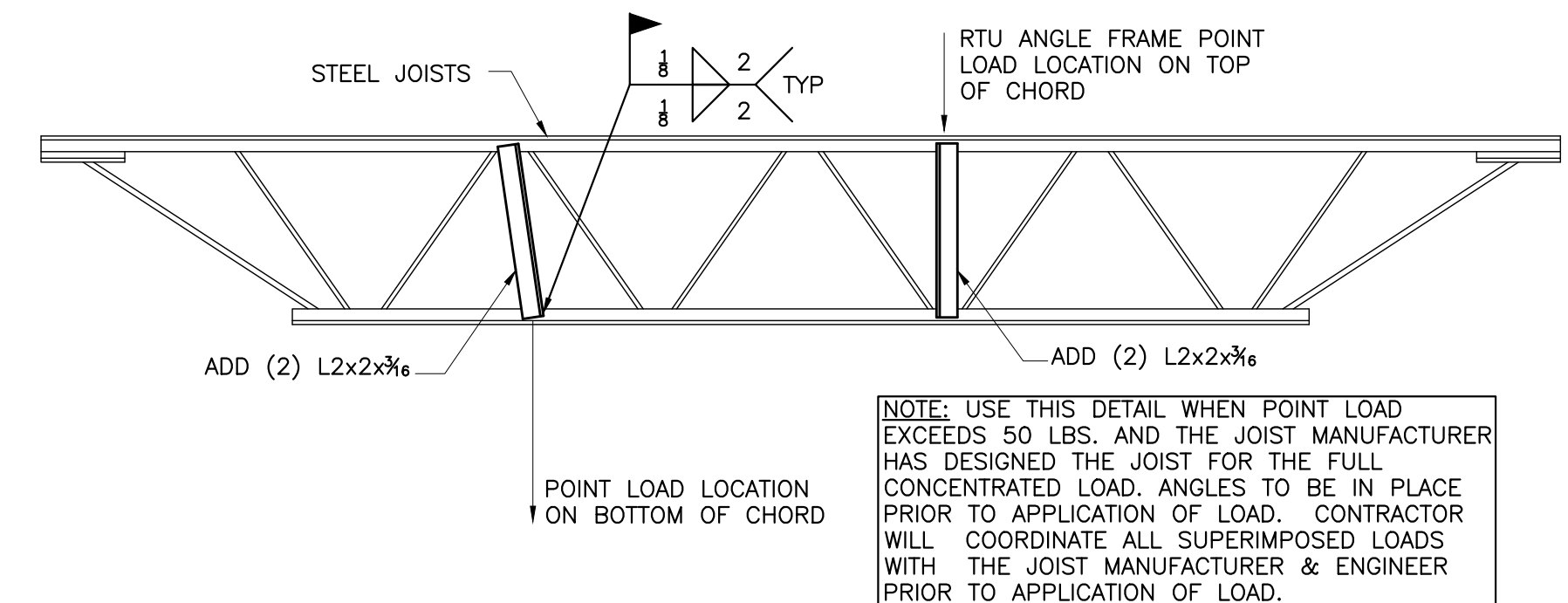
1 TYP. BRIDGING DETAILS AT JOISTS
SCALE: NONE



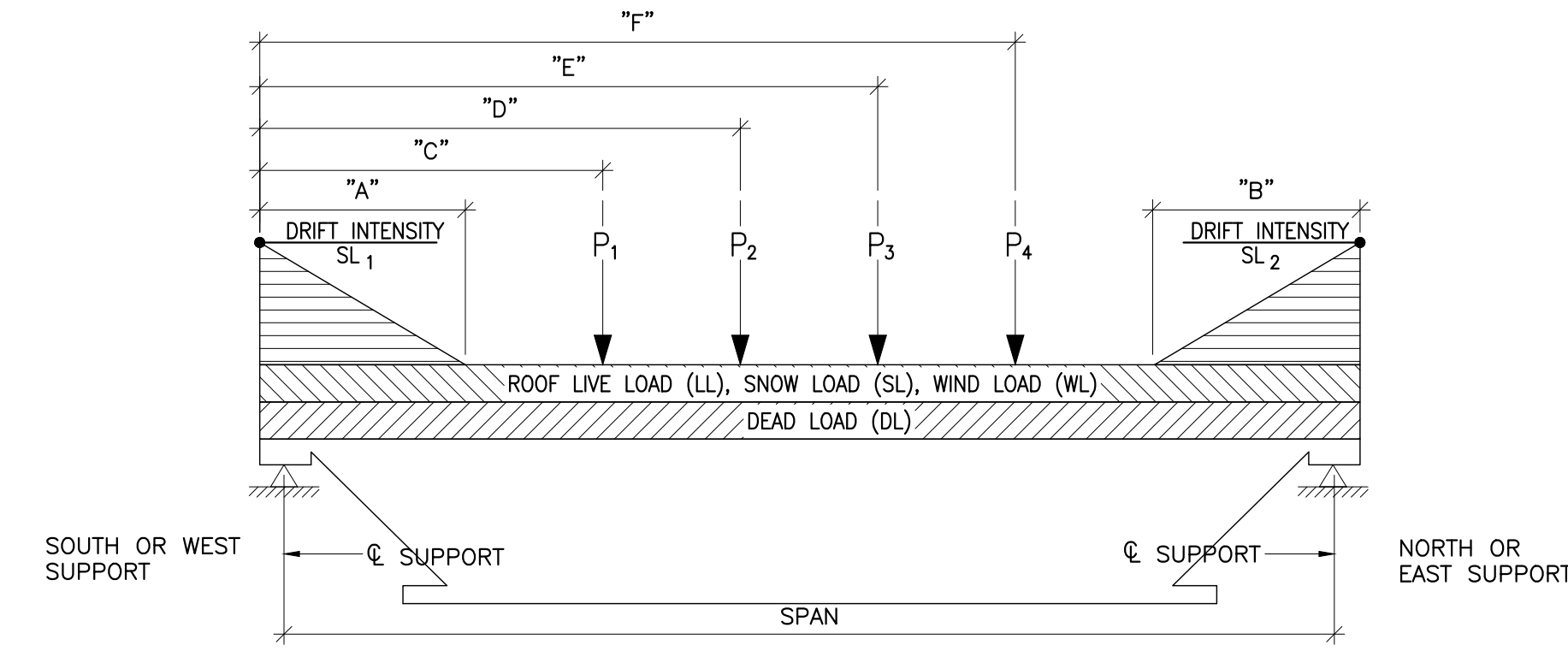
2 KICKER ANGLE @ BTM. FLANGE
SCALE: NONE



3 TYP. ROOF OPENING FRAME AND MECHANICAL UNIT SUPPORT
SCALE: 3



4 BRACING DETAIL FOR STEEL JOISTS W/ POINT LOADS
SCALE: NONE

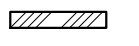
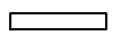


5 SPECIAL JOIST ELEVATION
SCALE: NONE

JOIST DESIGNATION	SPAN, FT.	UNIFORMLY DISTRIBUTED LOADS, PLF						TRAPEZOIDAL LOADS, PLF				CONCENTRATED LIVE LOADS, LBS						REMARKS	
		DL	LL	SL (N.D.)	SL (W.D.)	WL (IN)	WL (OUT)	SL1	"A"	SL2	"B"	P1	"C"	P2	"D"	P3	"E"		P4
16K4-SP1	28' - 0"	120.0	120.0	72.0	60.0	60.0	195.6	216.0	9' - 6"			75	14' - 0"	75	17' - 3"	75	21' - 6"	75	24' - 9"
16K4-SP2	28' - 0"	120.0	120.0	72.0	60.0	60.0	195.6	216.0	9' - 6"			150	14' - 0"	150	17' - 3"	150	21' - 6"	150	24' - 9"

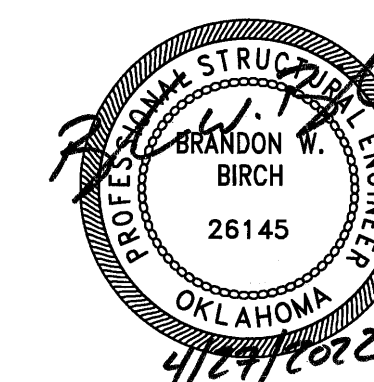
- NOTES:
- SPANS SHOWN ARE APPROXIMATE. MANUFACTURER SHALL DETERMINE EXACT DESIGN SPANS.
 - REFER TO THE SPECIAL JOIST DIAGRAM FOR CLARIFICATION OF ALL NOMENCLATURE.
 - SL (N.D.) IS THE UNIFORM BALANCED SNOW LOAD TO BE CONSIDERED WITHOUT DRIFT LOADS.
 - SL (W.D.) IS THE UNIFORM SNOW LOAD WITH DRIFT INCLUDED.
 - JOISTS SHALL BE DESIGNED FOR ALL LOAD COMBINATIONS SPECIFIED IN THE GOVERNING BUILDING CODE. REFER GENERAL NOTES FOR THE APPLICABLE CODE.

FOUNDATION PLAN LEGEND:

-  = LOAD BEARING MASONRY WALLS
-  = NON-LOAD BEARING MASONRY WALLS

FOUNDATION PLAN NOTES:

1. FOUNDATION AND SLAB SUBGRADE SHALL BE PREPARED AS OUTLINED IN THE STRUCTURAL GENERAL NOTES.
2. REFERENCE ELEVATION OF 100'-0" EQUALS DATUM FINISHED FLOOR ELEVATION OF 1279.00 FEET FOR THE NEW BUILDING.
3. EXCEPT WHERE SHOWN OTHERWISE, SLABS-ON-GRADE SHALL BE 4" THICK CONCRETE REINFORCED WITH #3 BARS AT 15" ON CENTER EACH WAY OVER A 15 MLL VAPOR RETARDER OVER A 4" AGGREGATE BASE COURSE. REINFORCING BARS SHALL BE PLACED 1/4" CLEAR FROM TOP OF SLAB USING CHAIRS OR SLAB BOLSTERS COMPLYING WITH CRSI'S "MANUAL OF STANDARD PRACTICE".
4. SLABS-ON-GRADE SHALL BE WATER CURED FOR A MINIMUM OF 7 DAYS BY PONDING, SPRAYING, SPRINKLING OR BY USE OF SATURATED COVERINGS. THE USE OF CURING COMPOUNDS FOR SLABS-ON-GRADE IS PROHIBITED.
5. SAWED JOINTS (S.J.) AND REQUIRED CONSTRUCTION JOINTS (C.J.) ARE SHOWN ON THE DRAWINGS. AT THE CONTRACTOR'S OPTION, ADDITIONAL CONSTRUCTION JOINTS MAY BE PLACED AT LOCATIONS INDICATED TO BE SAWED JOINTS.
6. // INDICATES (2)#4 BARSx4'-0" TO BE PLACED IN SLAB-ON-GRADE AT ALL RE-ENTRANT CORNERS. RE-ENTRANT CORNERS ARE DEFINED AS INTERIOR CORNERS WHERE JOINTS DO NOT OCCUR IN BOTH DIRECTIONS. SIMILAR BARS SHALL BE PLACED AT ANY DISCONTINUOUS ENDS OF SAWED JOINTS OR CONSTRUCTION JOINTS.
7. REFER MECHANICAL FOR FLOOR DRAIN (F.D.) INFORMATION.



CJC

drawn by

BWB

checked by

MARCH 2022

date

revisions

MOORE PUBLIC SCHOOLS
BOARD OF EDUCATION
MOORE, OKLAHOMA



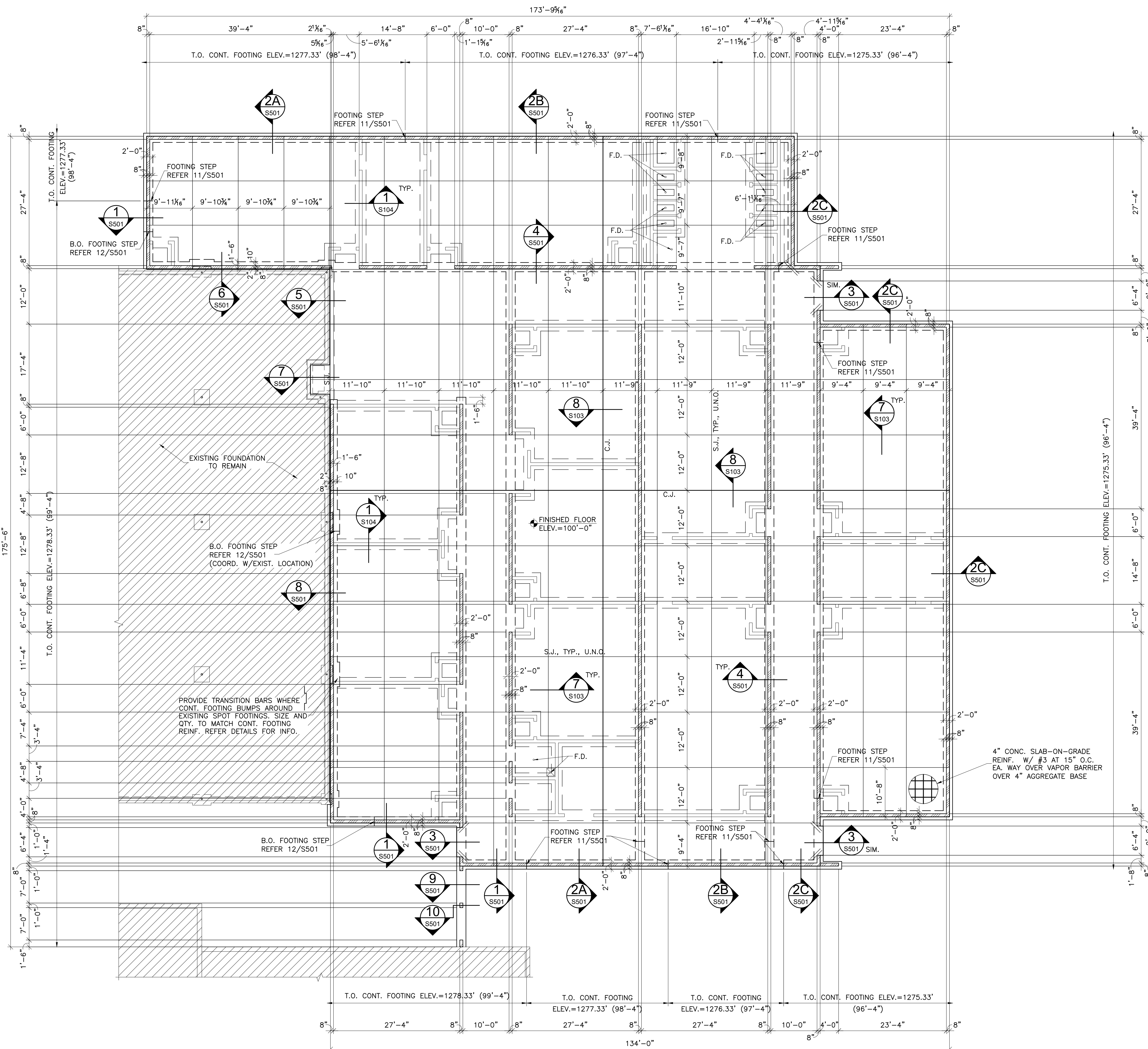
CLASSROOM ADDITION
MOORE WEST
JUNIOR HIGH SCHOOL

sheet no:

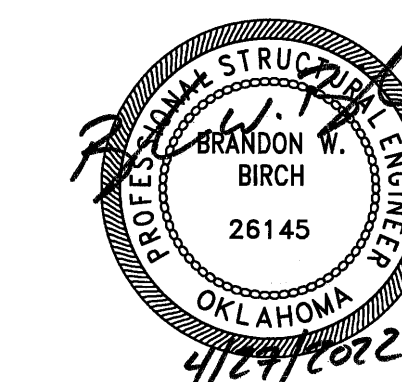
S201

OWNERSHIP USE OF DOCUMENTS:

AGP EXPRESSLY RESERVES ITS
COPYRIGHT AND OTHER PROPERTY
RIGHTS OF ALL PLANS AND DRAWINGS
DESIGNED AND/OR PRODUCED. PLANS
AND DRAWINGS ARE NOT TO BE
REPRODUCED IN ANY FORM OR MANNER
WITHOUT THE EXPRESSED WRITTEN
CONSENT OF AGP.



1 FOUNDATION PLAN
S201 SCALE: 3/32"=1'-0"



CJC

drawn by

BWB

checked by

MARCH 2022

date

revisions

MOORE PUBLIC SCHOOLS
BOARD OF EDUCATION
MOORE, OKLAHOMA



CLASSROOM ADDITION
MOORE WEST
JUNIOR HIGH SCHOOL

sheet no.

S301

OWNERSHIP USE OF DOCUMENTS:

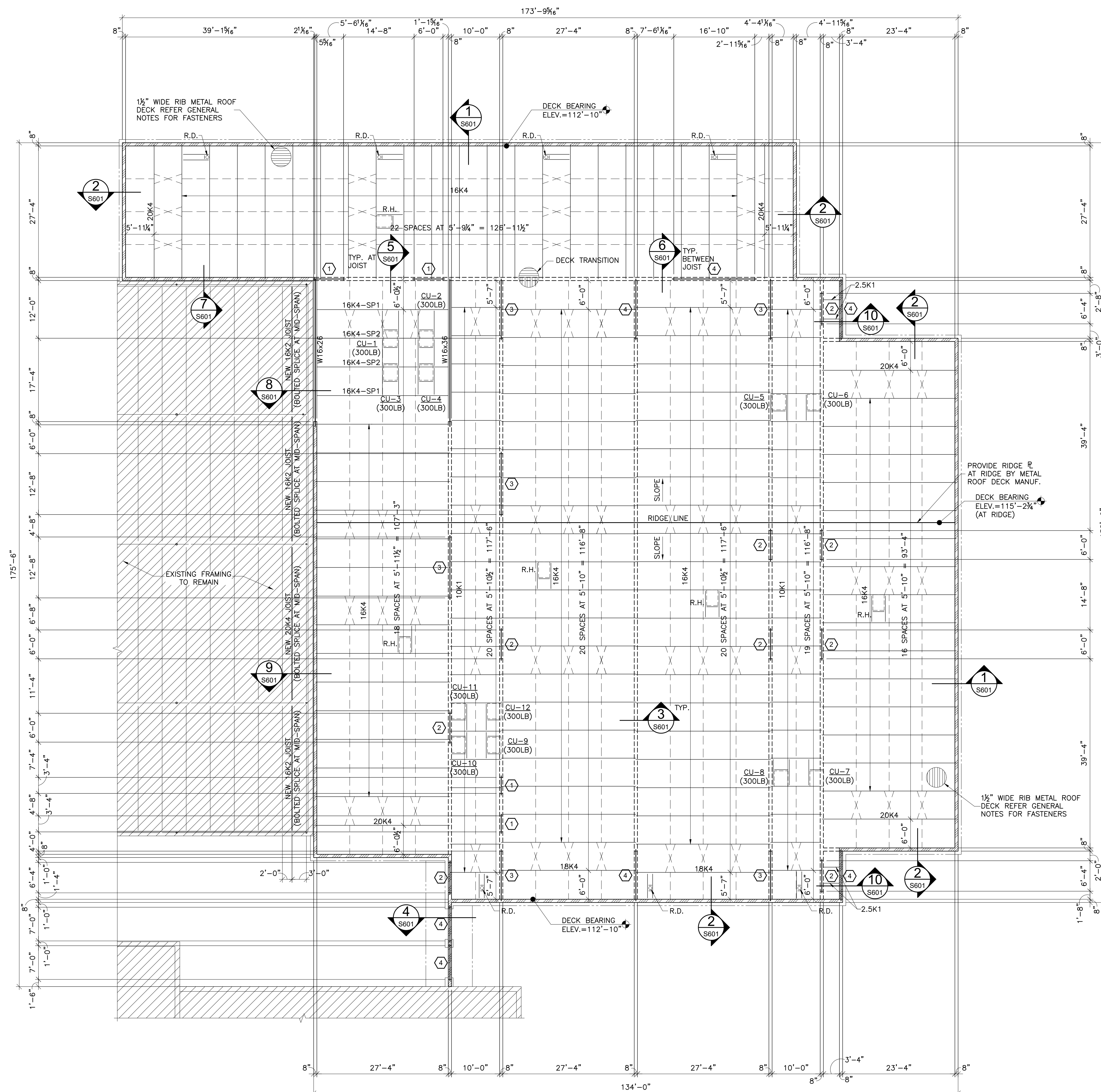
AGP EXPRESSLY RESERVES ITS
COPYRIGHT AND OTHER PROPERTY
RIGHTS OF ALL PLANS AND DRAWINGS
DESIGNED AND/OR PRODUCED. PLANS
AND DRAWINGS ARE NOT TO BE
REPRODUCED IN ANY FORM OR MANNER
WITHOUT THE EXPRESSED WRITTEN
CONSENT OF AGP.

ROOF FRAMING PLAN NOTES:

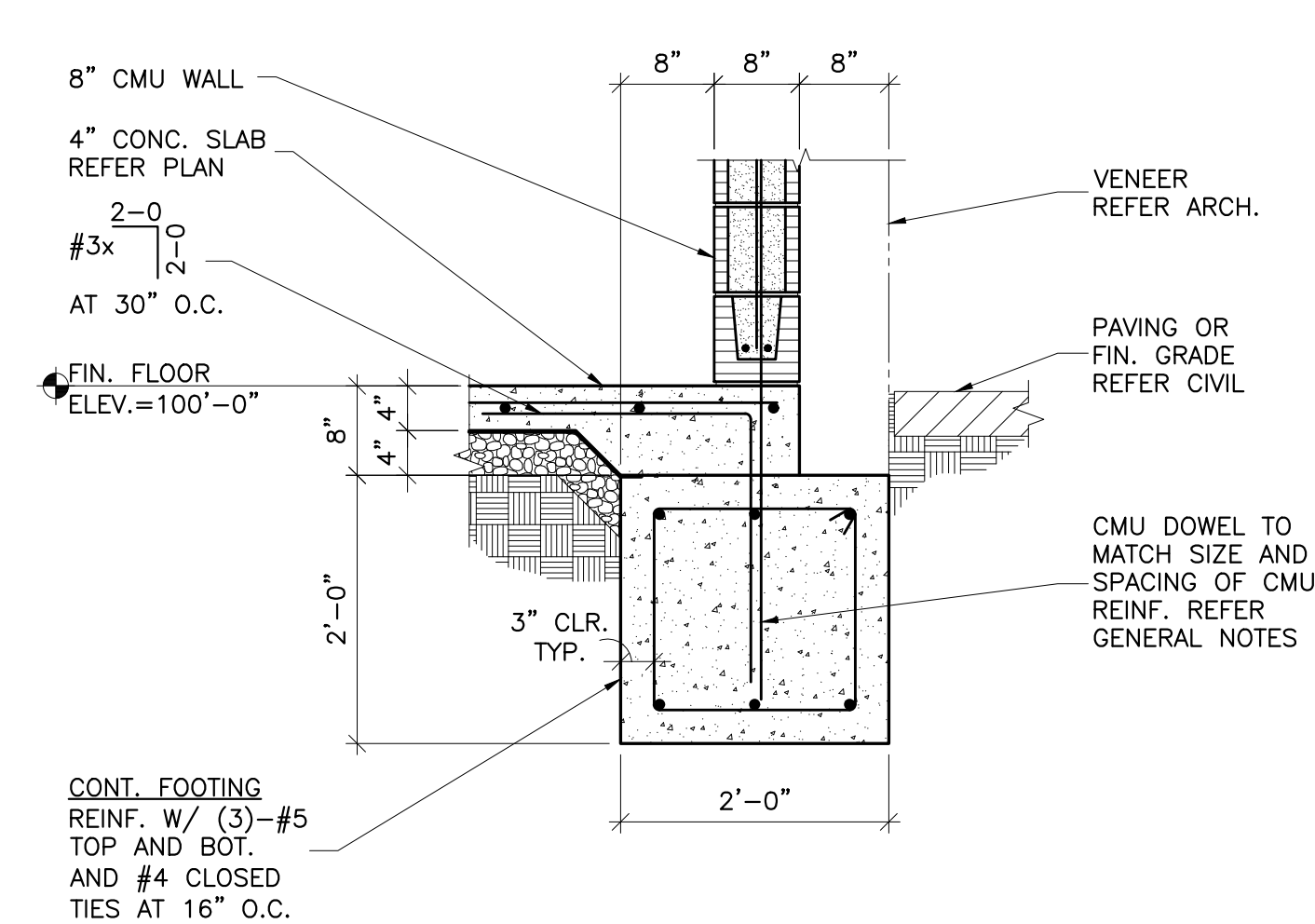
- ALL ELEVATIONS ARE REFERENCED FROM FINISHED FLOOR DATUM OF 100'-0". REFER GENERAL NOTES FOR ACTUAL ELEVATION.
- ALL ROOF OPENINGS FOR MECHANICAL ROOF TOP UNITS ARE APPROXIMATELY LOCATED. EXACT SIZE AND LOCATIONS SHALL BE COORDINATED WITH THE SUCCESSFUL MECHANICAL CONTRACTOR. ALL ROOF/WALL OPENINGS SHALL BE SUPPORTED WITH TYPICAL ANGLE FRAME UNLESS NOTED OTHERWISE.
- T.O. PARAPET REFERS TO THE TOP OF MASONRY WALL ELEVATION WITH REFERENCE TO FINISH FLOOR ELEVATION SPECIFIED ON THE FOUNDATION PLAN U.N.O.
- Ⓢ DENOTES MASONRY LINTEL TYPE. REFER 9/S104 FOR ADDITIONAL INFORMATION.

FRAMING PLAN LEGEND:

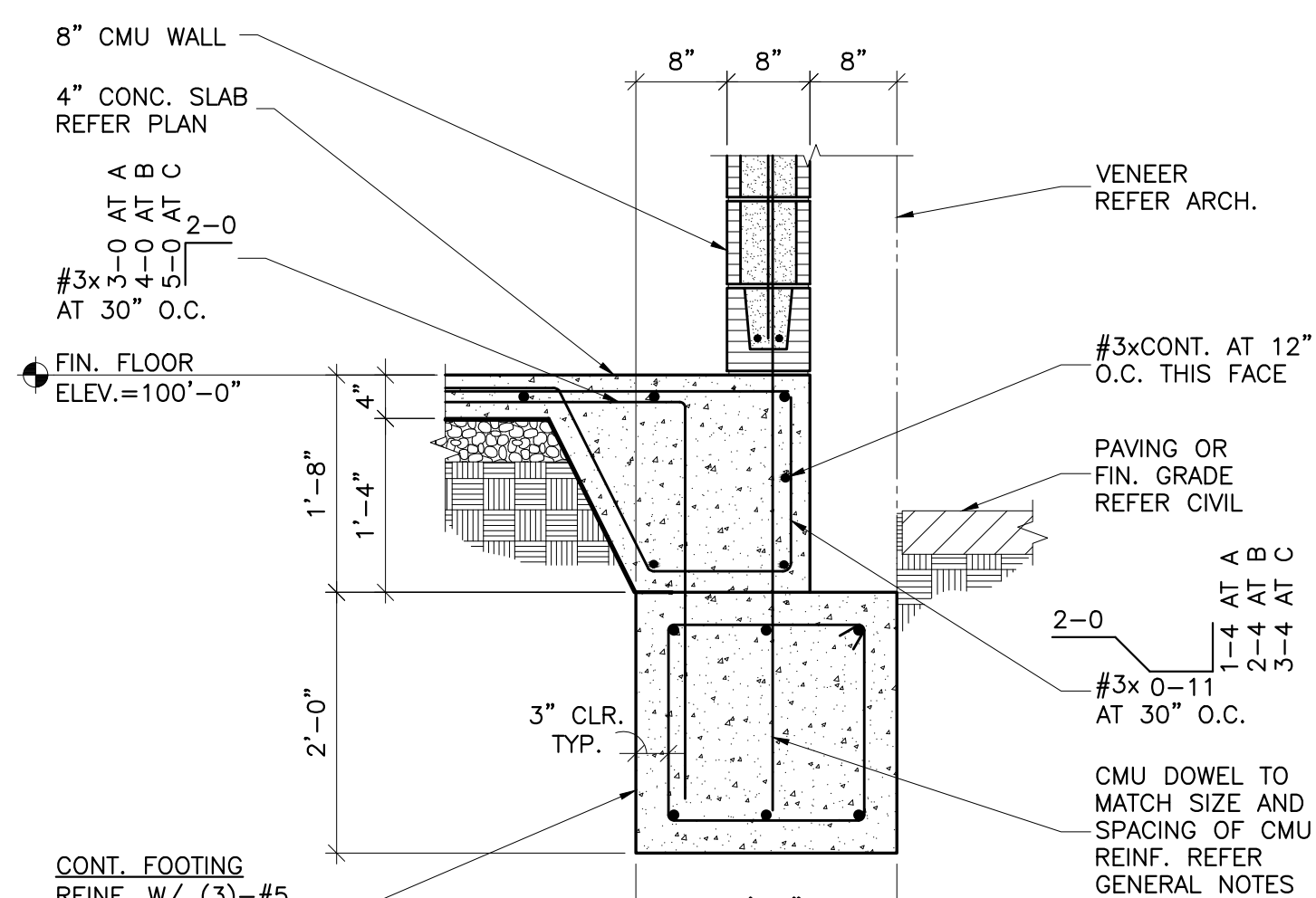
- = L1½x1¼x¼ MIN. HORIZONTAL JOIST BRIDGING BY JOIST MANUFACTURER
- X---X = L1½x1¼x¼ MIN. JOIST X-BRIDGING BY JOIST MANUFACTURER
- BEAM SIZE: W12x22 (112'-0") T.O.S. ELEV.
- ▨ = PARAPET LOAD BEARING MASONRY WALLS
- ▤ = INTERIOR LOAD BEARING MASONRY WALLS



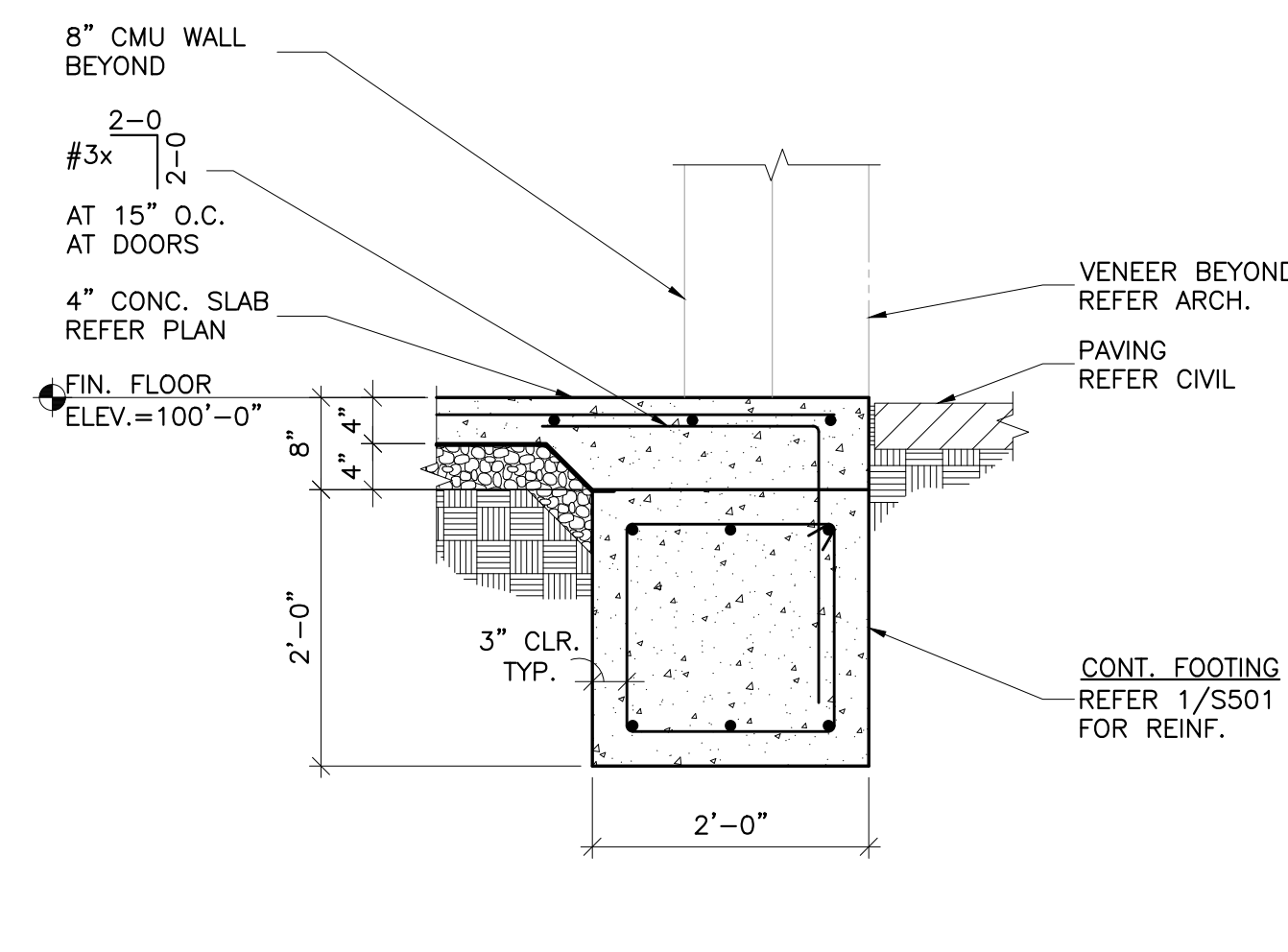
1 ROOF FRAMING PLAN
S301 SCALE: 3/32"=1'-0"



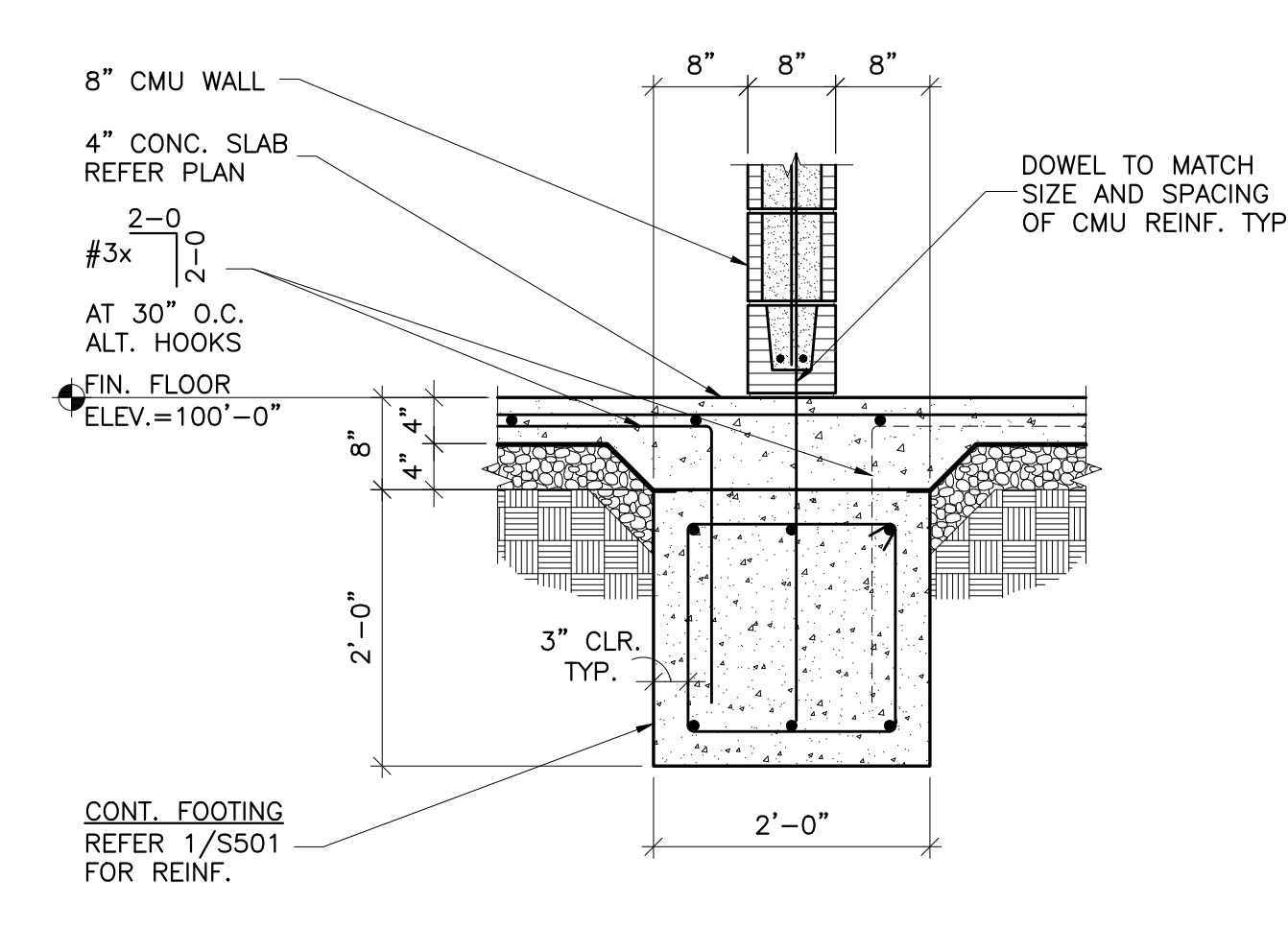
1 SECTION
S501 SCALE: 3/4"=1'-0"



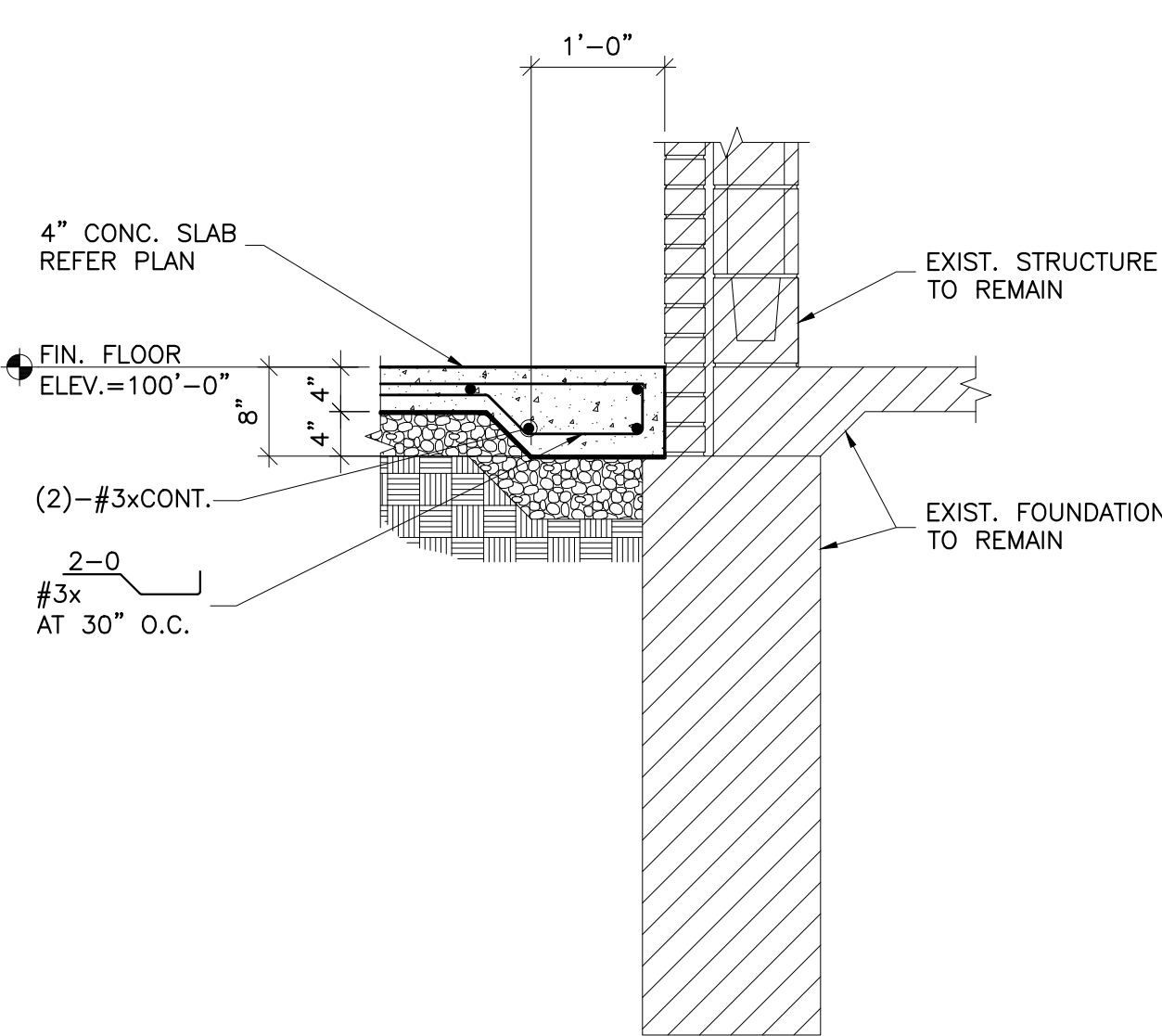
2A 2B 2C SECTION
S501 SCALE: 3/4"=1'-0"



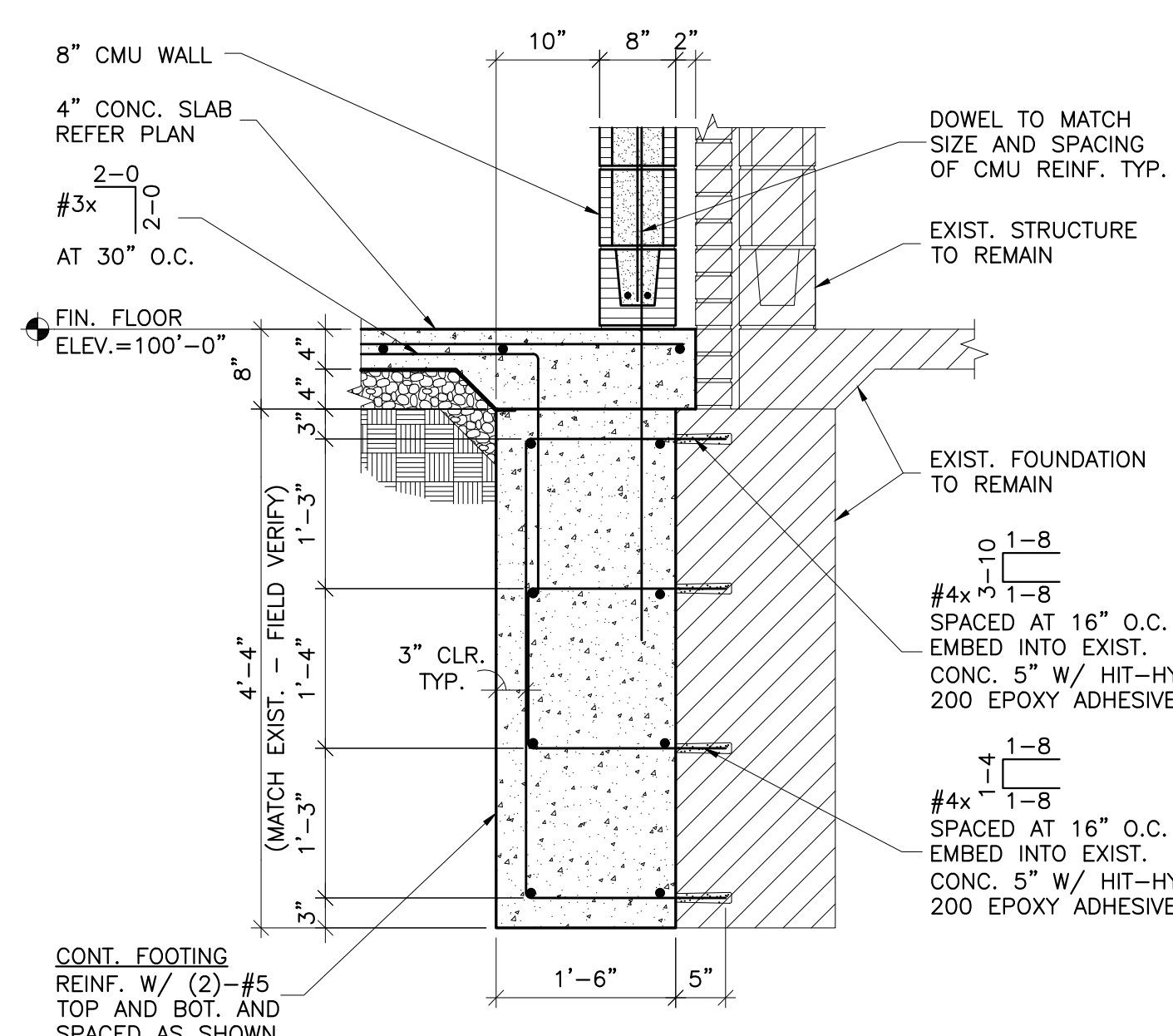
3 SECTION
S501 SCALE: 3/4"=1'-0"



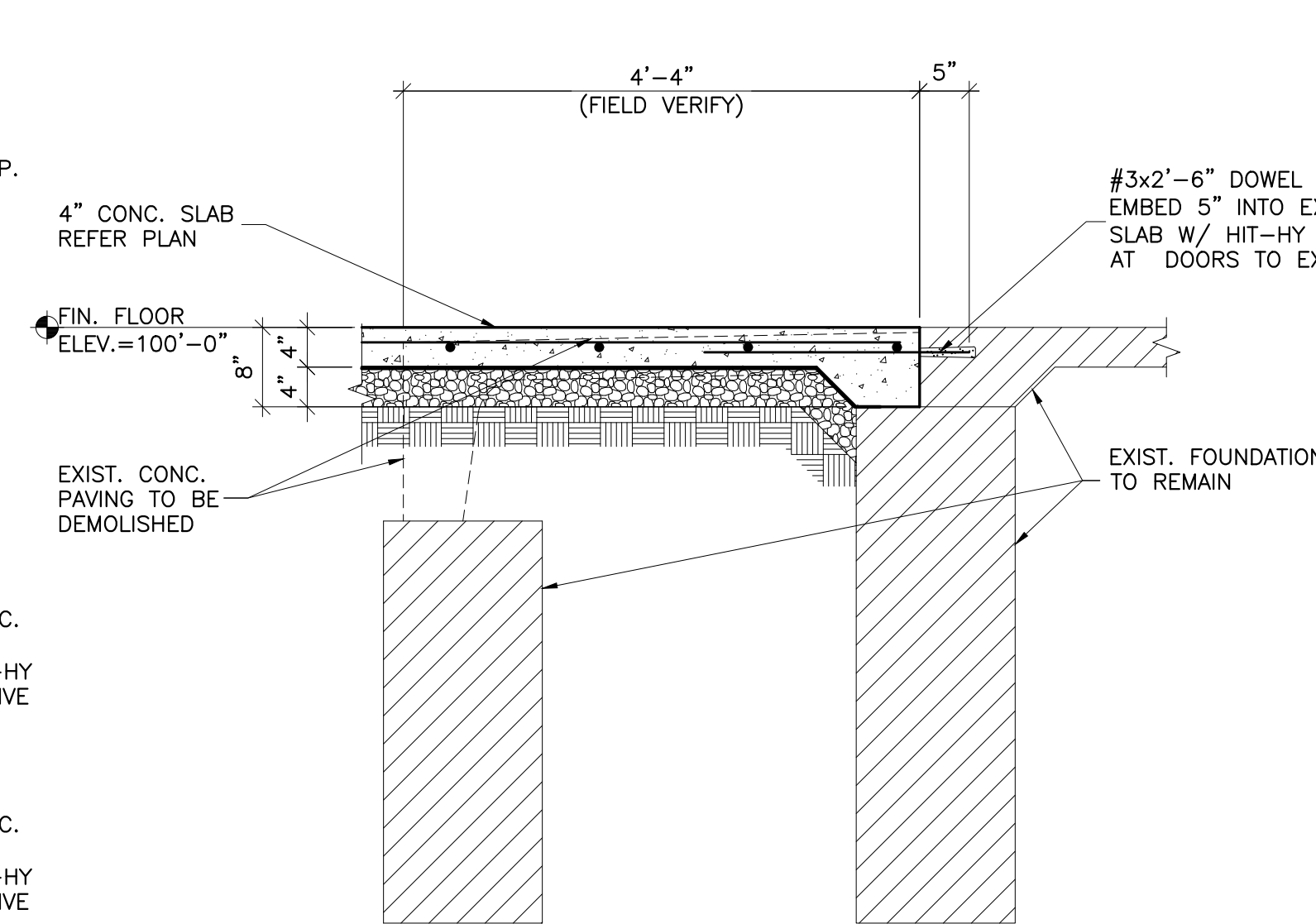
4 SECTION
S501 SCALE: 3/4"=1'-0"



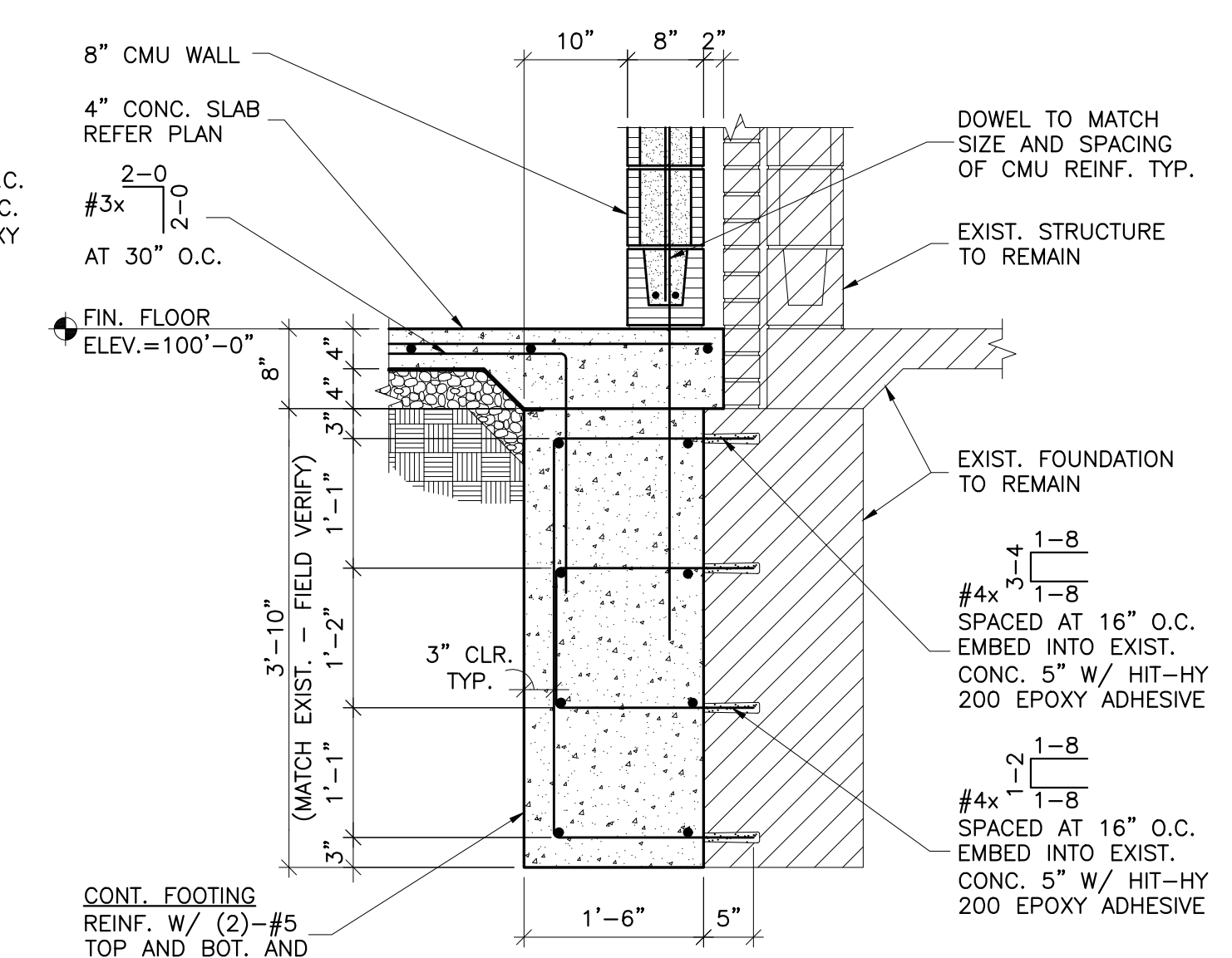
5 SECTION
S501 SCALE: 3/4"=1'-0"



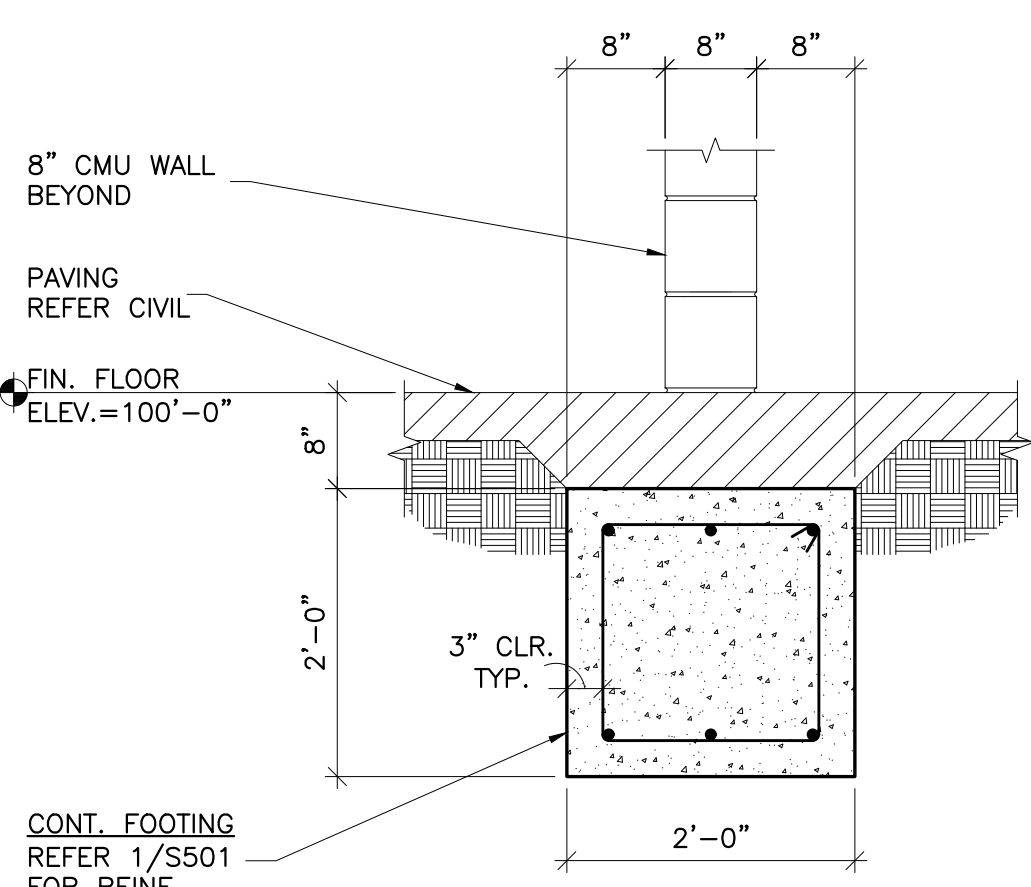
6 SECTION
S501 SCALE: 3/4"=1'-0"



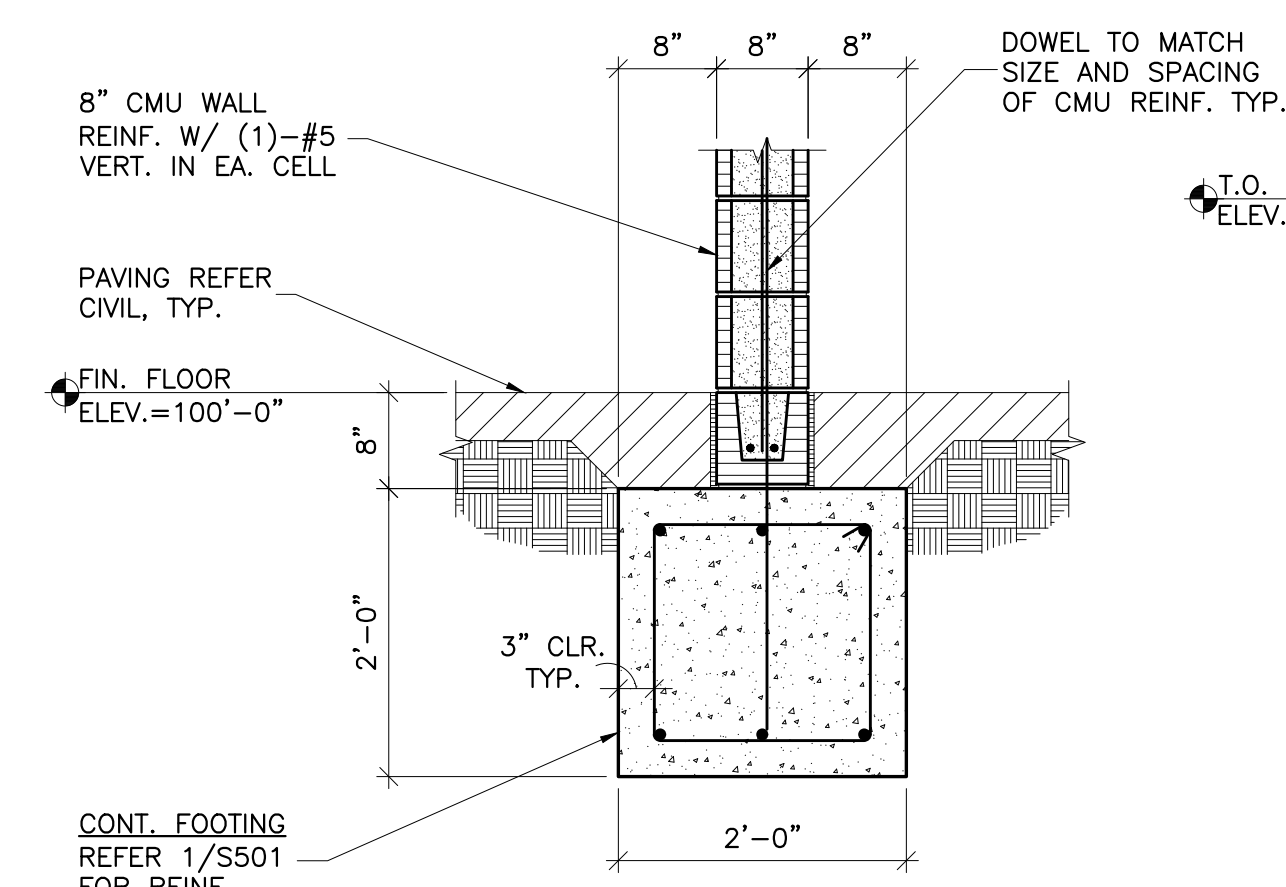
7 SECTION
S501 SCALE: 3/4"=1'-0"



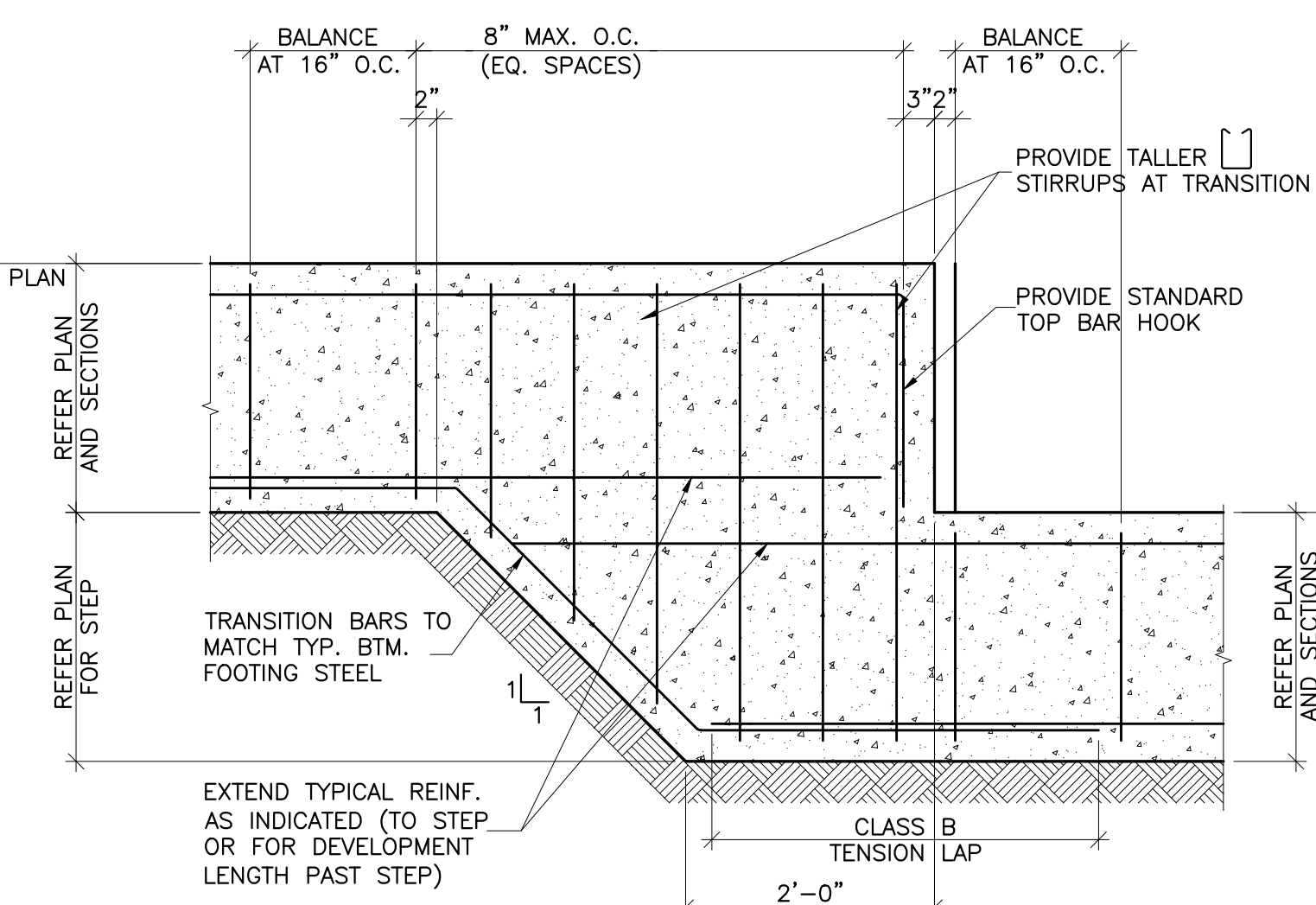
8 SECTION
S501 SCALE: 3/4"=1'-0"



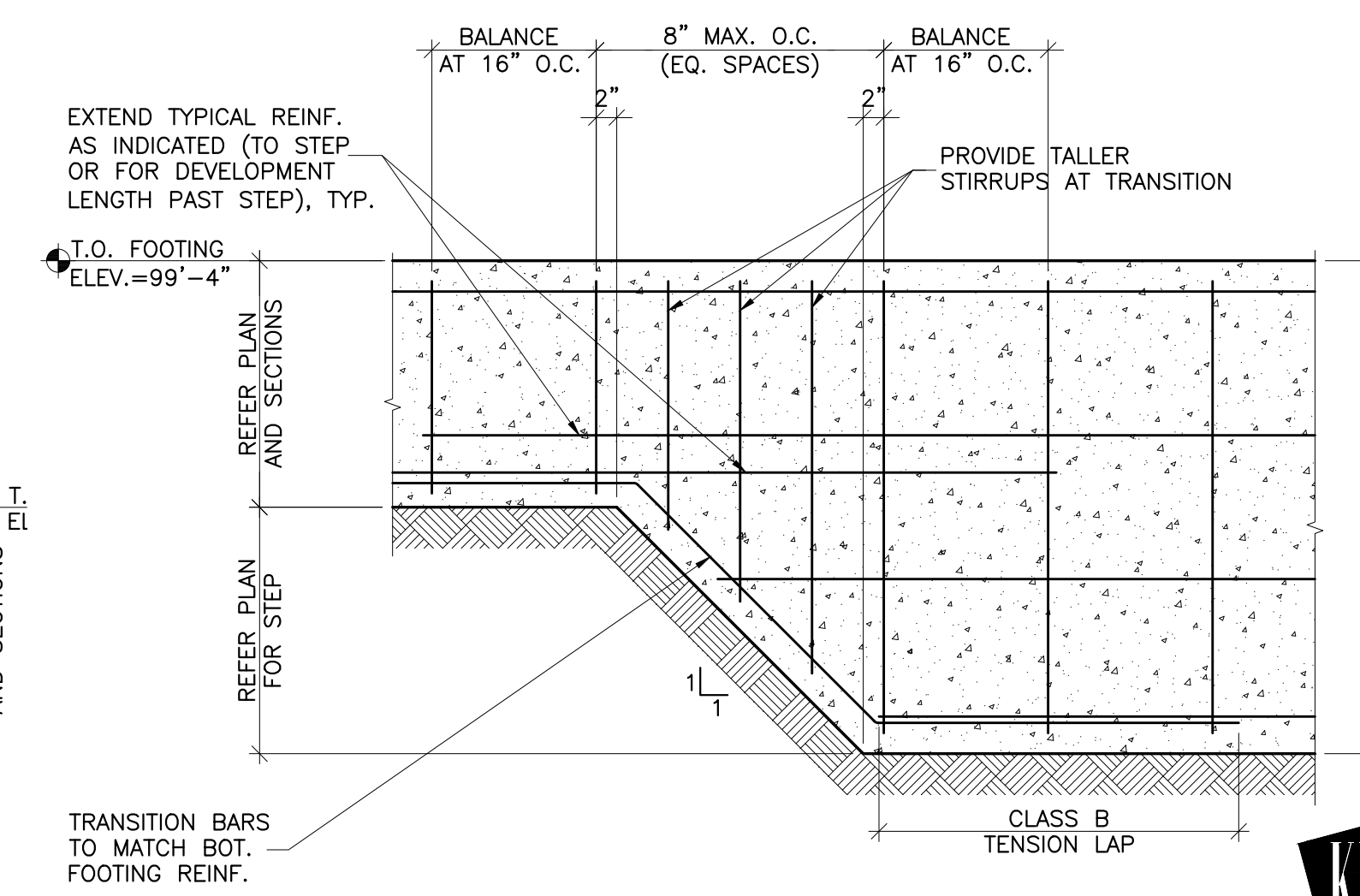
9 SECTION
S501 SCALE: 3/4"=1'-0"



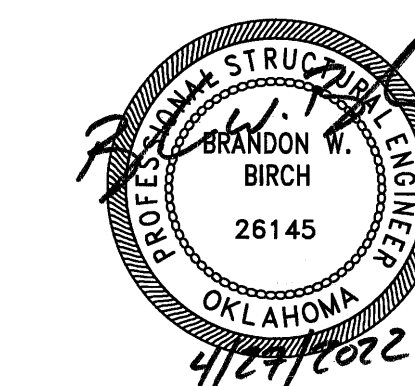
10 SECTION
S501 SCALE: 3/4"=1'-0"



11 TYPICAL FOOTING STEP
S501 SCALE: 3/4"=1'-0"



12 B.O. FOOTING STEP DETAIL
S501 SCALE: 3/4"=1'-0"



CJC	drawn by
BWB	checked by
MARCH 2022	date
	revisions

MOORE PUBLIC SCHOOLS
BOARD OF EDUCATION
MOORE, OKLAHOMA



CLASSROOM ADDITION
MOORE WEST
JUNIOR HIGH SCHOOL

sheet no:

S501

OWNERSHIP USE OF DOCUMENTS:
AGP EXPRESSLY RESERVES ITS
COPYRIGHT AND OTHER PROPERTY
RIGHTS OF ALL PLANS AND DRAWINGS
DESIGNED AND/OR PRODUCED, PLANS
AND DRAWINGS ARE NOT TO BE
REPRODUCED IN ANY FORM OR MANNER
WITHOUT THE EXPRESSED WRITTEN
CONSENT OF AGP.





CJC

drawn by

BWB

checked by

MARCH 2022

date

revisions

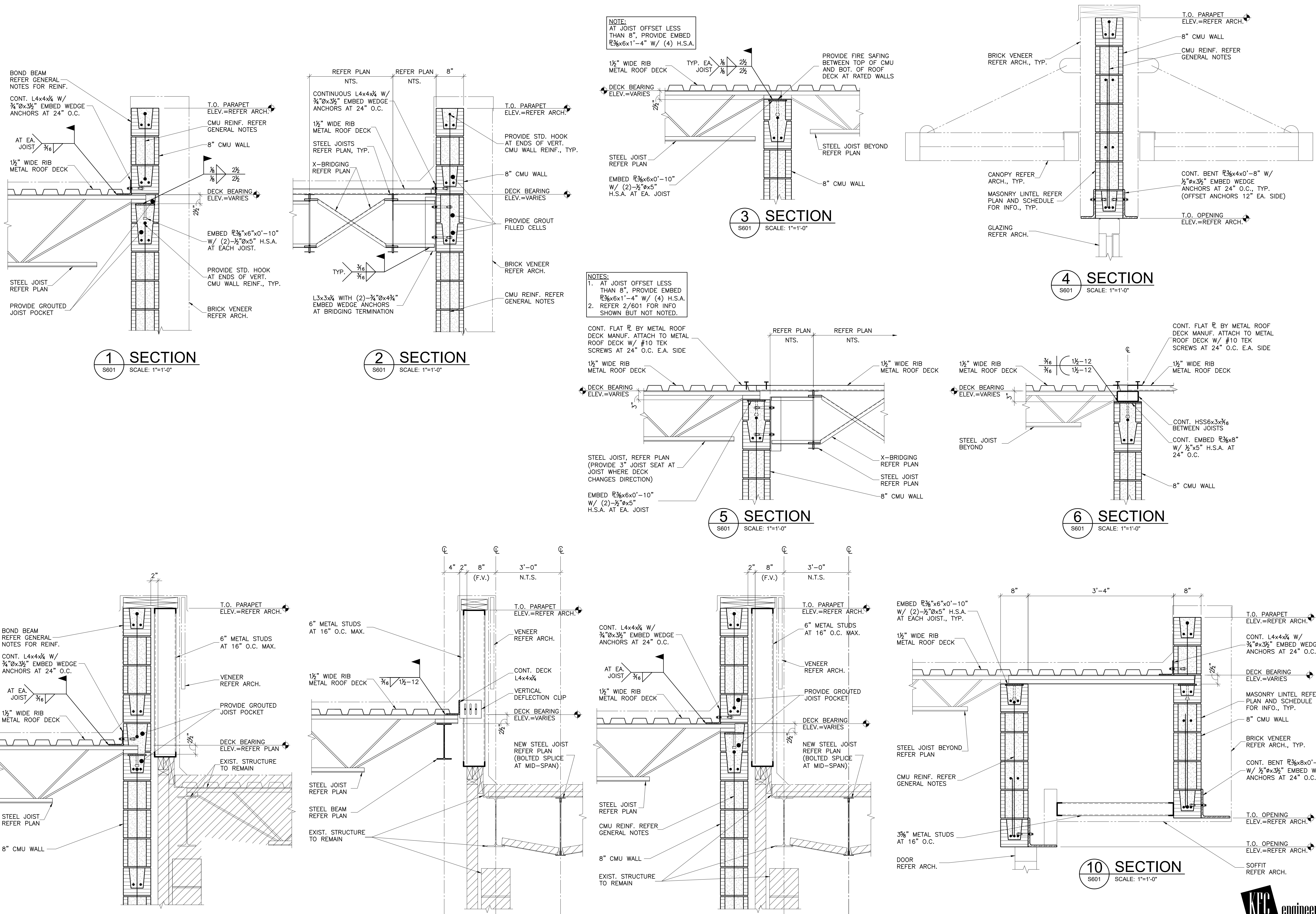


sheet no:

S601

OWNERSHIP USE OF DOCUMENTS:

AGP EXPRESSLY RESERVES ITS
COPYRIGHT AND OTHER PROPERTY
RIGHTS OF ALL PLANS AND DRAWINGS
DESIGNED AND/OR PRODUCED. PLANS
AND DRAWINGS ARE NOT TO BE
REPRODUCED IN ANY FORM OR MANNER
WITHOUT THE EXPRESSED WRITTEN
CONSENT OF AGP.



1 SECTION
S601 SCALE: 1"=1'-0"

2 SECTION
S601 SCALE: 1"=1'-0"

3 SECTION
S601 SCALE: 1"=1'-0"

4 SECTION
S601 SCALE: 1"=1'-0"

5 SECTION
S601 SCALE: 1"=1'-0"

6 SECTION
S601 SCALE: 1"=1'-0"

7 SECTION
S601 SCALE: 1"=1'-0"

8 SECTION
S601 SCALE: 1"=1'-0"

9 SECTION
S601 SCALE: 1"=1'-0"

10 SECTION
S601 SCALE: 1"=1'-0"

NOTE:
AT JOIST OFFSET LESS
THAN 8", PROVIDE EMBED
R₃/₈x6x1'-4" W/ (4) H.S.A.

NOTES:
1. AT JOIST OFFSET LESS
THAN 8", PROVIDE EMBED
R₃/₈x6x1'-4" W/ (4) H.S.A.
2. REFER 2/601 FOR INFO
SHOWN BUT NOT NOTED.

CONT. FLAT R BY METAL ROOF
DECK MANUF. ATTACH TO METAL
ROOF DECK W/ #10 TEK
SCREWS AT 24" O.C. E.A. SIDE

CONT. FLAT R BY METAL ROOF
DECK MANUF. ATTACH TO METAL
ROOF DECK W/ #10 TEK
SCREWS AT 24" O.C. E.A. SIDE

STEEL JOIST, REFER PLAN
(PROVIDE 3" JOIST SEAT AT
JOIST WHERE DECK
CHANGES DIRECTION)

EMBED R₃/₈x6x0'-10"
W/ (2)-1/2"Øx5"
H.S.A. AT EA. JOIST

CONT. HSS6x3x3/8
BETWEEN JOISTS

CONT. EMBED R₃/₈x8"
W/ 1/2"x5" H.S.A. AT
24" O.C.

CONT. L4x4x1/2 W/
3/4"Øx3 3/8" EMBED WEDGE
ANCHORS AT 24" O.C.

AT EA. JOIST 3/16

1 1/2" WIDE RIB
METAL ROOF DECK

1 1/2" WIDE RIB
METAL ROOF DECK

1 1/2" WIDE RIB
METAL ROOF DECK

1 1/2" WIDE RIB
METAL ROOF DECK

1 1/2" WIDE RIB
METAL ROOF DECK

1 1/2" WIDE RIB
METAL ROOF DECK

1 1/2" WIDE RIB
METAL ROOF DECK

1 1/2" WIDE RIB
METAL ROOF DECK

1 1/2" WIDE RIB
METAL ROOF DECK