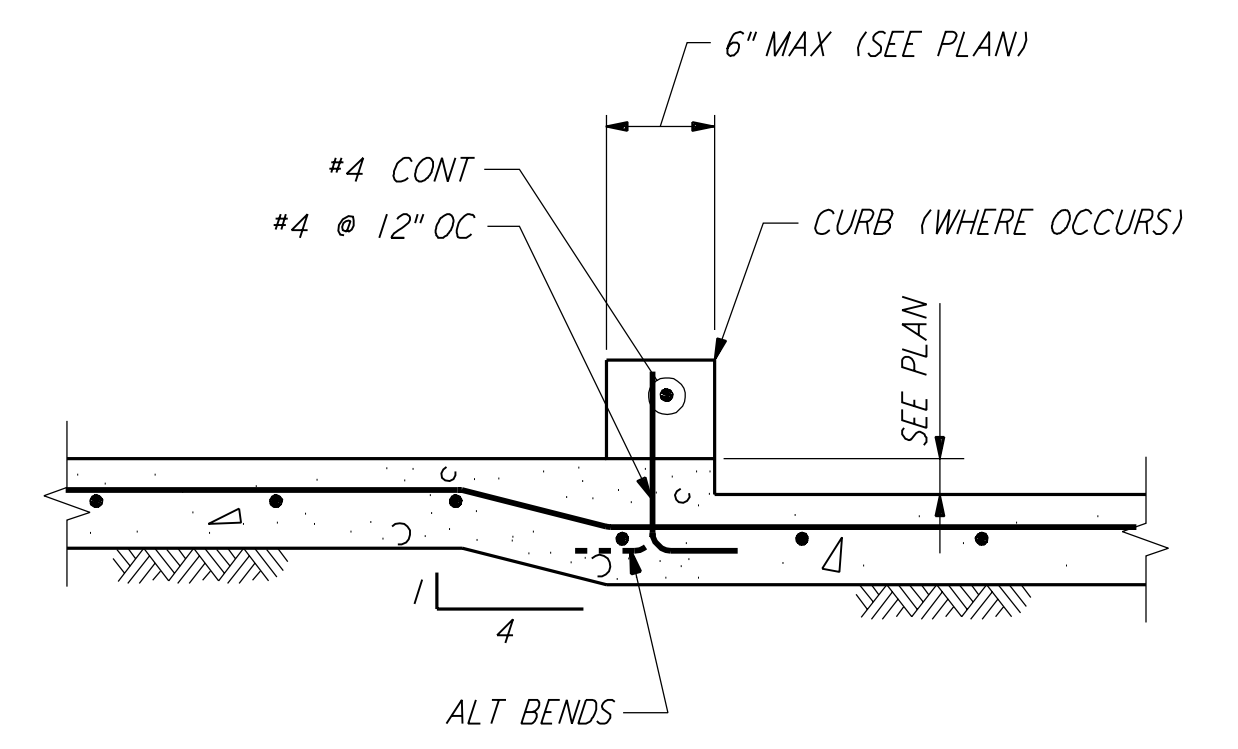


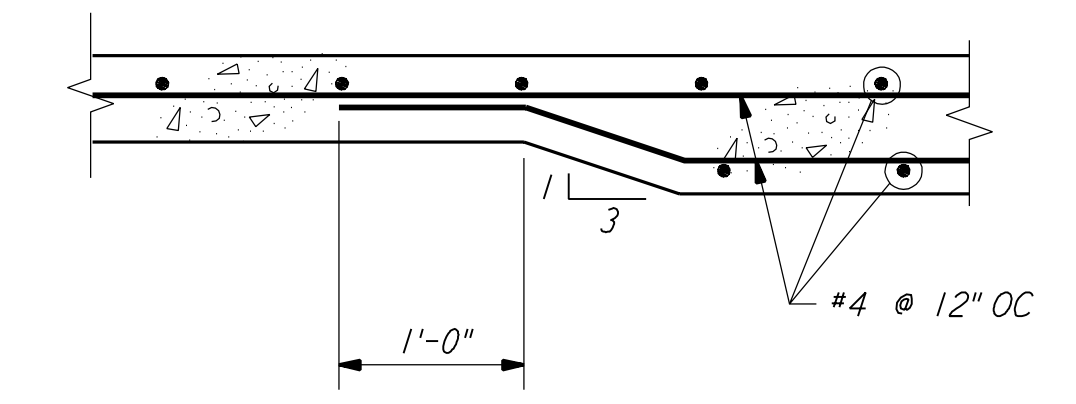
NOTE:
 FOR MEMBRANE WATERPROOFING SEE ARCHITECTURAL DETAIL (17) LA-A-429

SLAB ON GRADE EDGE (1)



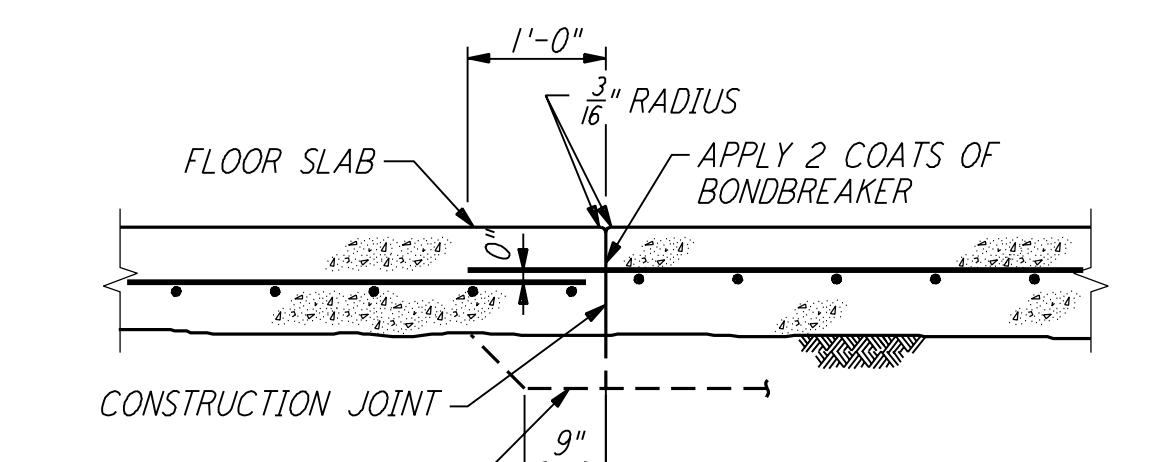
NOTES:
 1. SEE ARCH PLAN FOR EXTENT OF CURB.
 2. FOR ADDITIONAL INFORMATION SEE DETAIL (1)

DEPRESSED SLAB (4)



NOTE:
 1. FOR ADDITIONAL INFORMATION SEE DETAIL (1)

THICKENED SLAB (5)



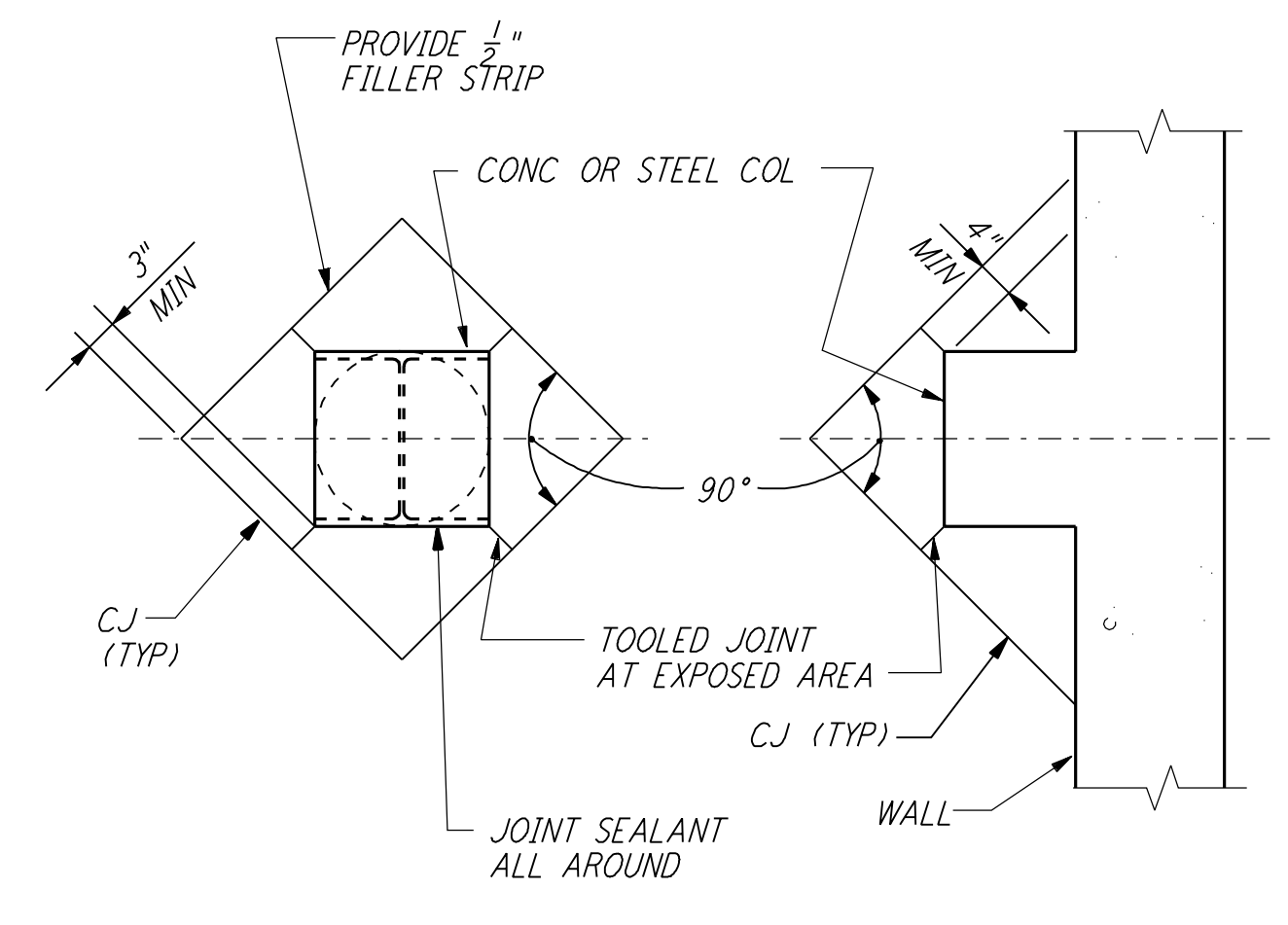
CONSTRUCTION JOINT
 DASHED LINE INDICATES CONDITION WHERE ADJACENT SLAB THICKNESS DIFFERS

CONTROL JOINT
 1/2" SAWCUT OR DEEP V TOOL JOINT PLACE SEALANT IN SAWCUT AFTER CONCRETE CURES

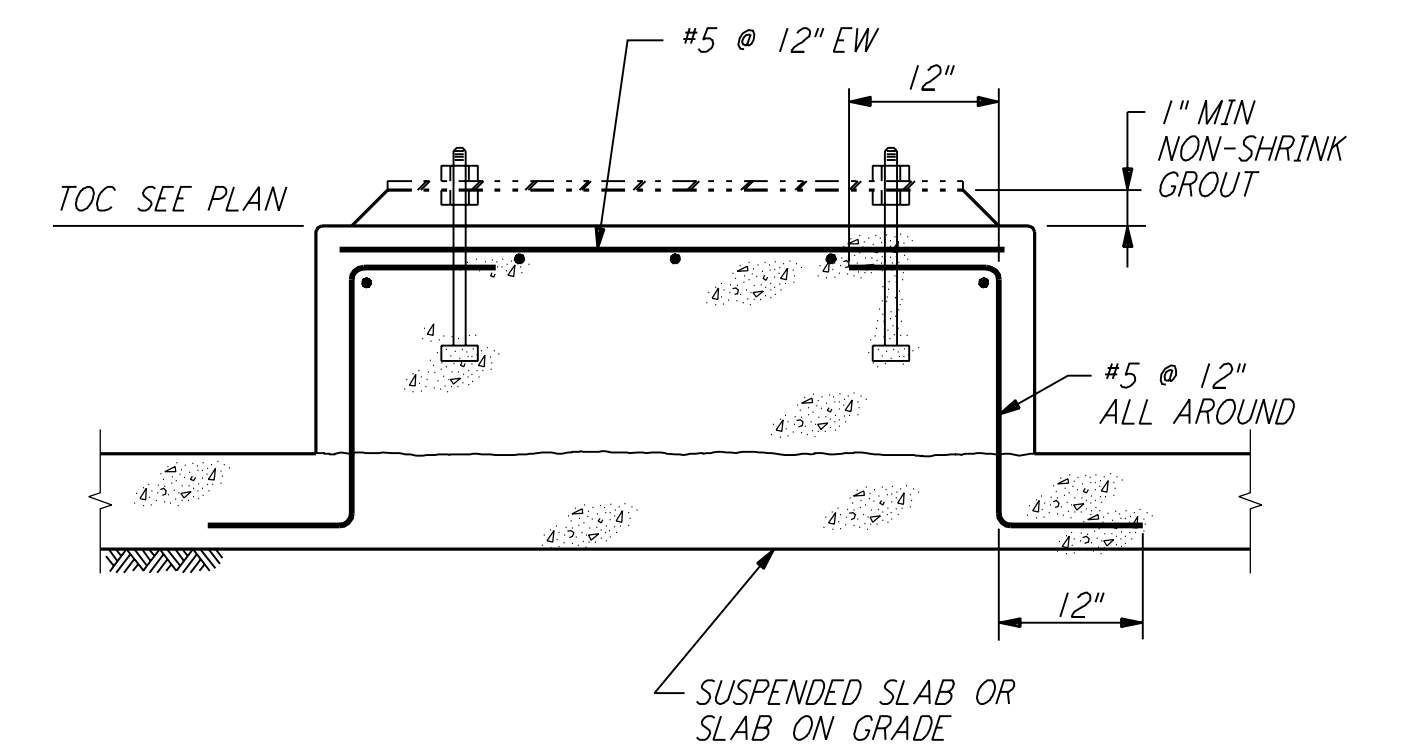
EXPANSION JOINT
 3/4" SEALANT GROOVE FLOOR SLAB SEALANT BOND BREAKER ROD SLAB REINFORCING NEOPRENE FOAM 1/2" X 2'-0" PLAIN BAR DOWELS @ 24" OC SCHEDULE 5 PVC TUBE SLEEVE FILLED WITH GREASE ONE END. (UNLESS OTHERWISE NOTED)

NOTE:
 CONSTRUCTION JOINT DETAIL IS MANDATORY FOR POUR JOINTS. AT OWNERS OPTION SLAB MAY BE POURED CONTINUOUS & CONTROL JOINTS MAY BE USED EVERYWHERE ELSE. CONSTRUCTION JOINT TO BE USED IN ONE DIRECTION AND CONTROL JOINTS IN THE OTHER DIRECTION - LIMIT OF POUR 400 SQ FT.

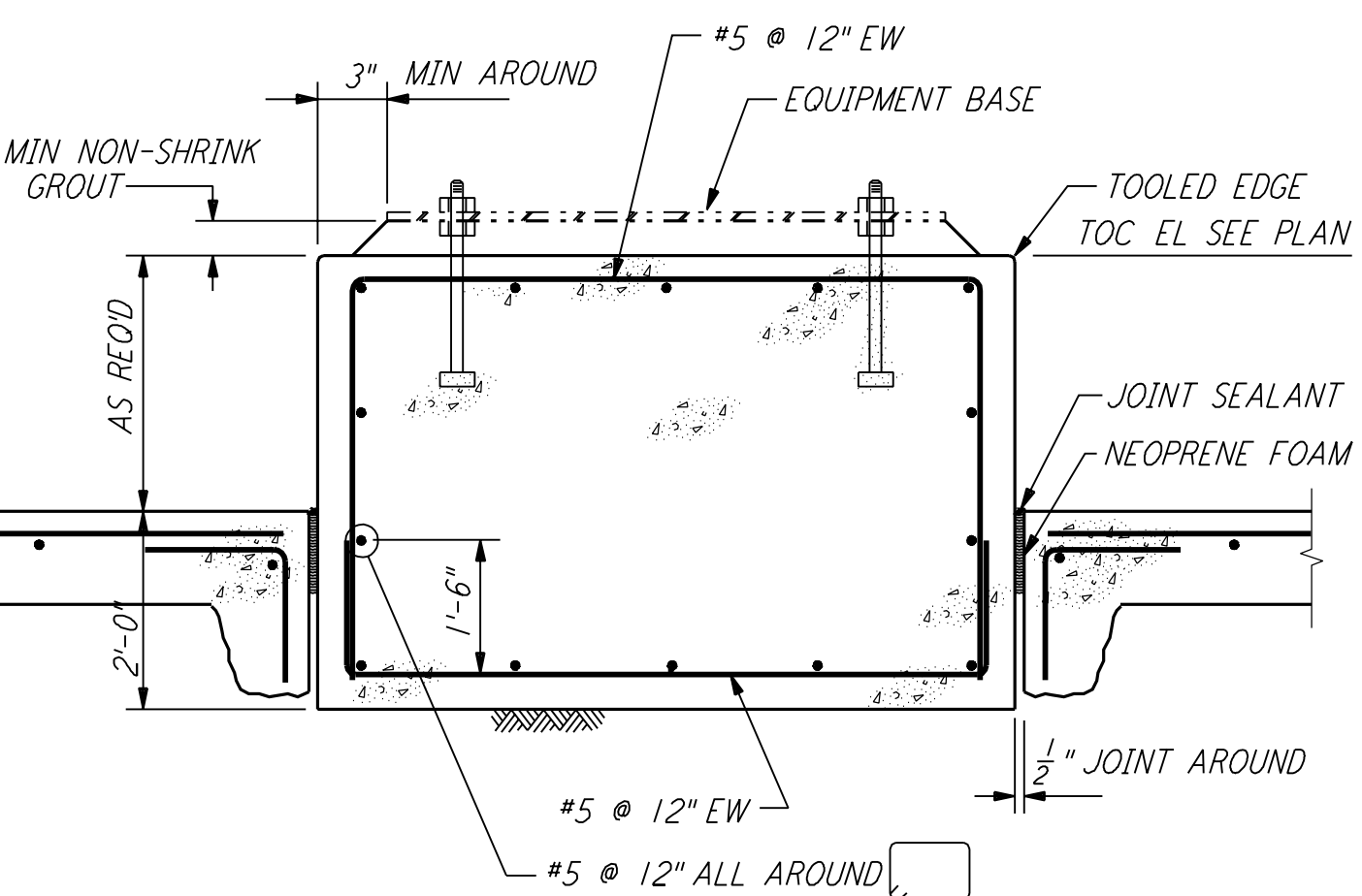
SLAB ON GRADE JOINTS (6)



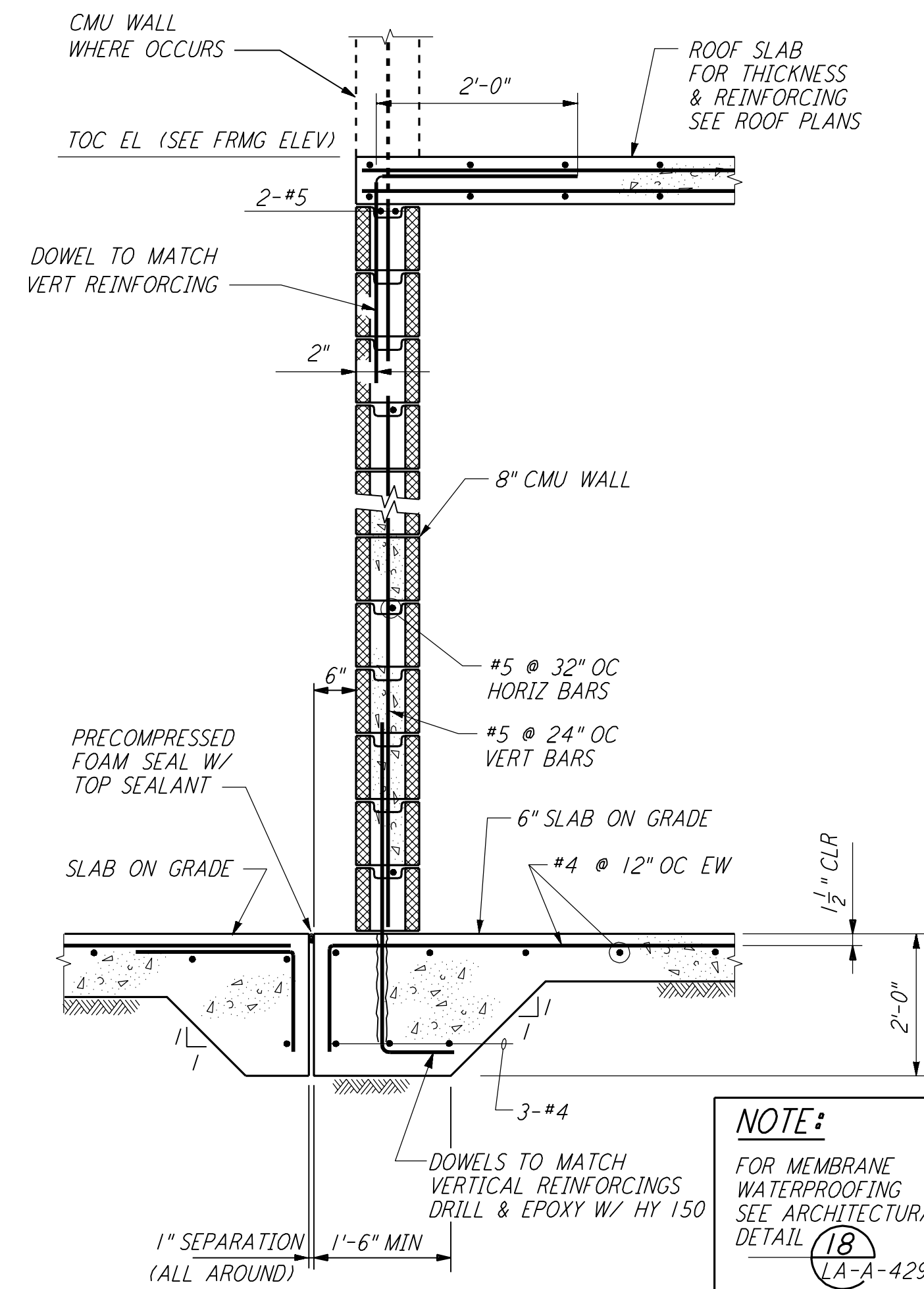
CONSTRUCTION JOINTS AT COL (7)



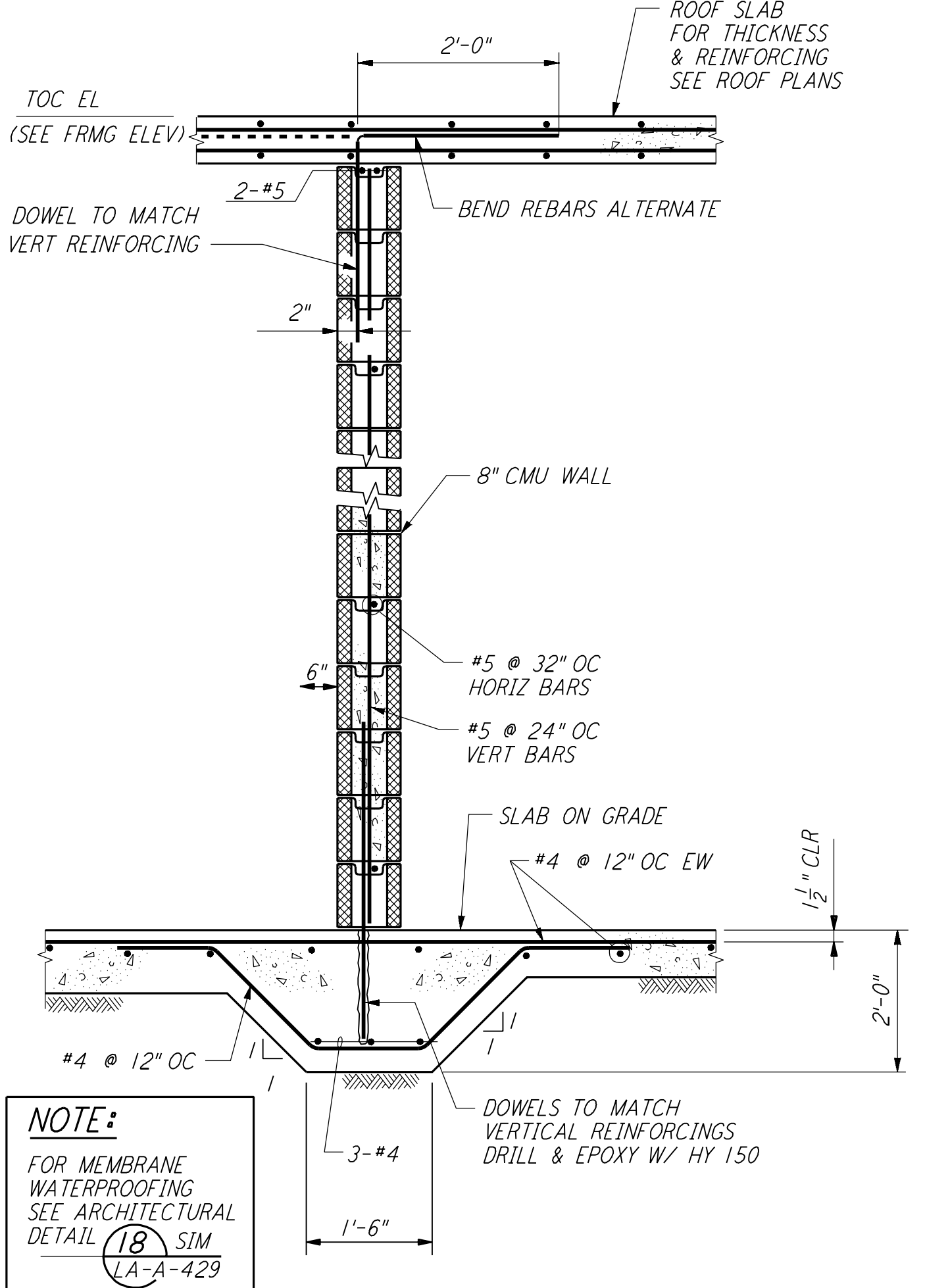
EQUIPMENT BASE (8)



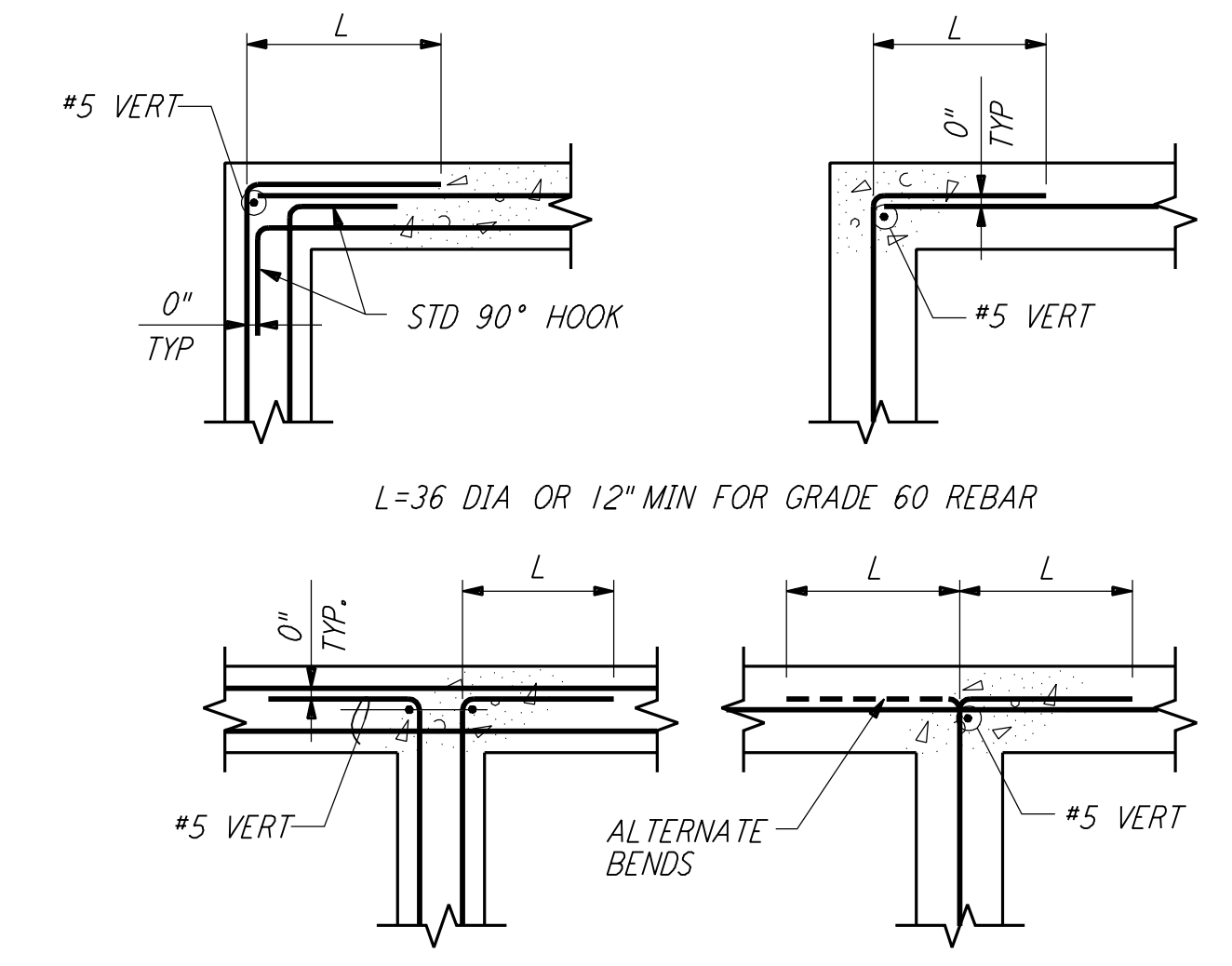
EQUIPMENT BASE WITH SEPARATING JOINT (9)



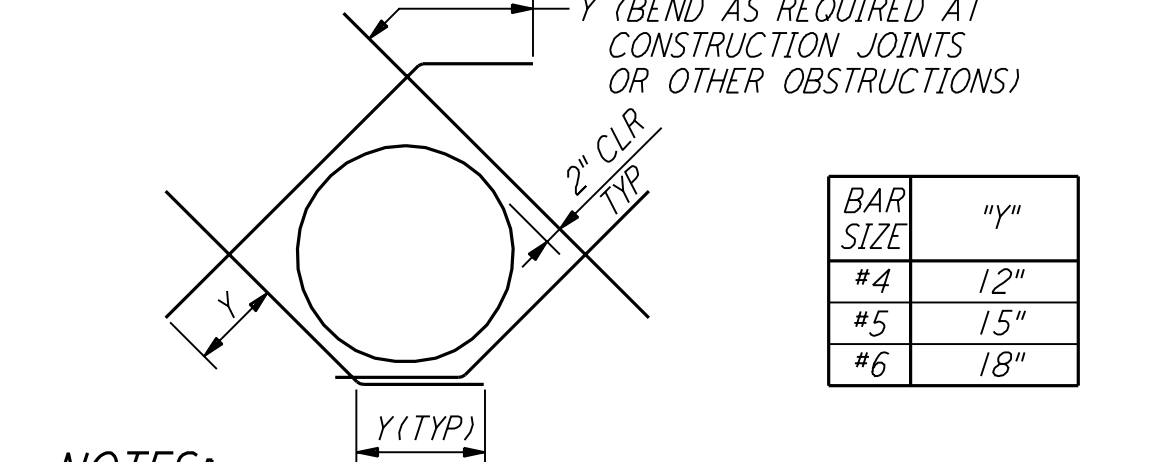
MASONRY WALL DETAIL (10)



MASONRY WALL DETAIL (16)



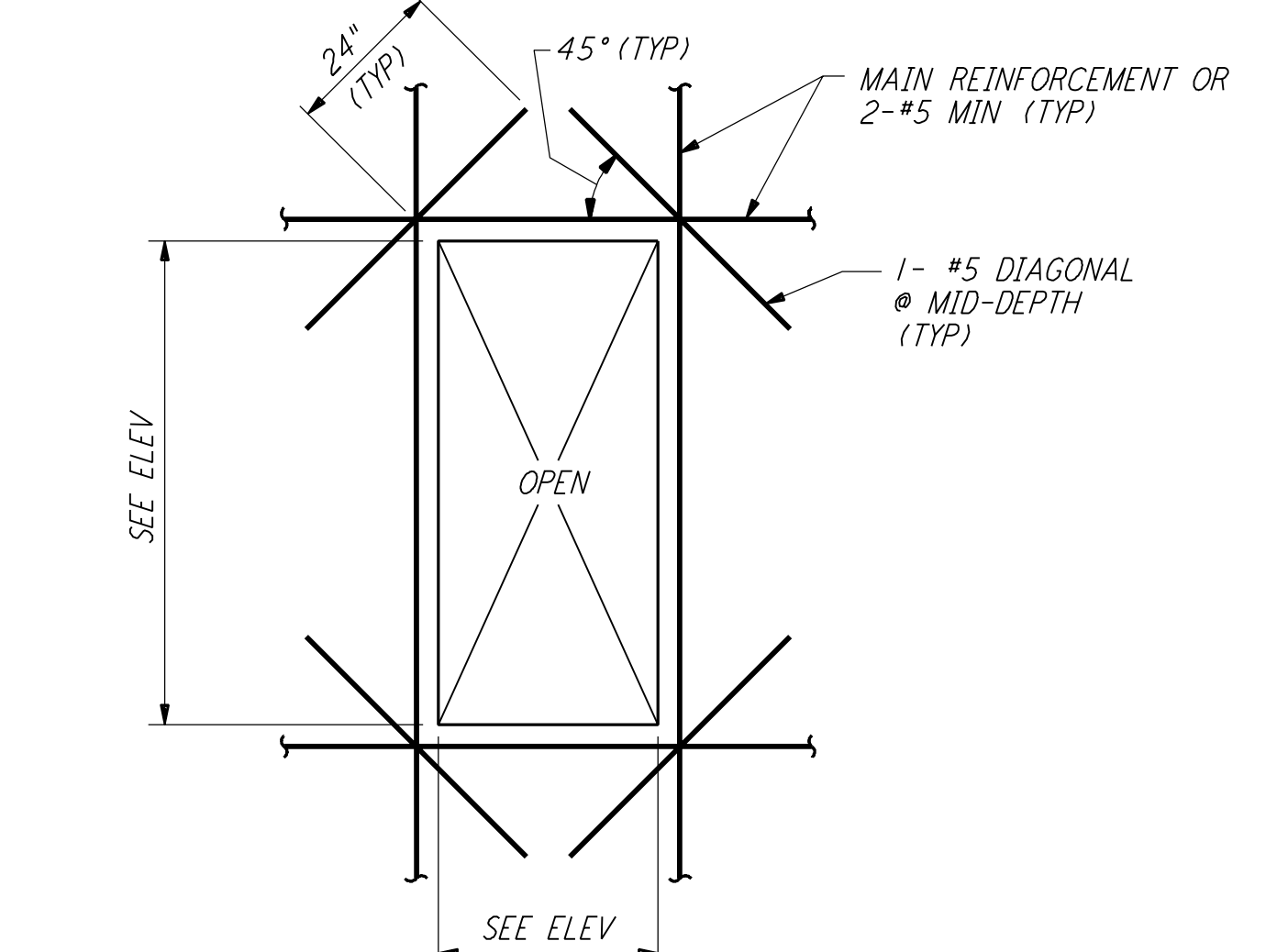
HORIZONTAL WALL REINFORCEMENT (11)



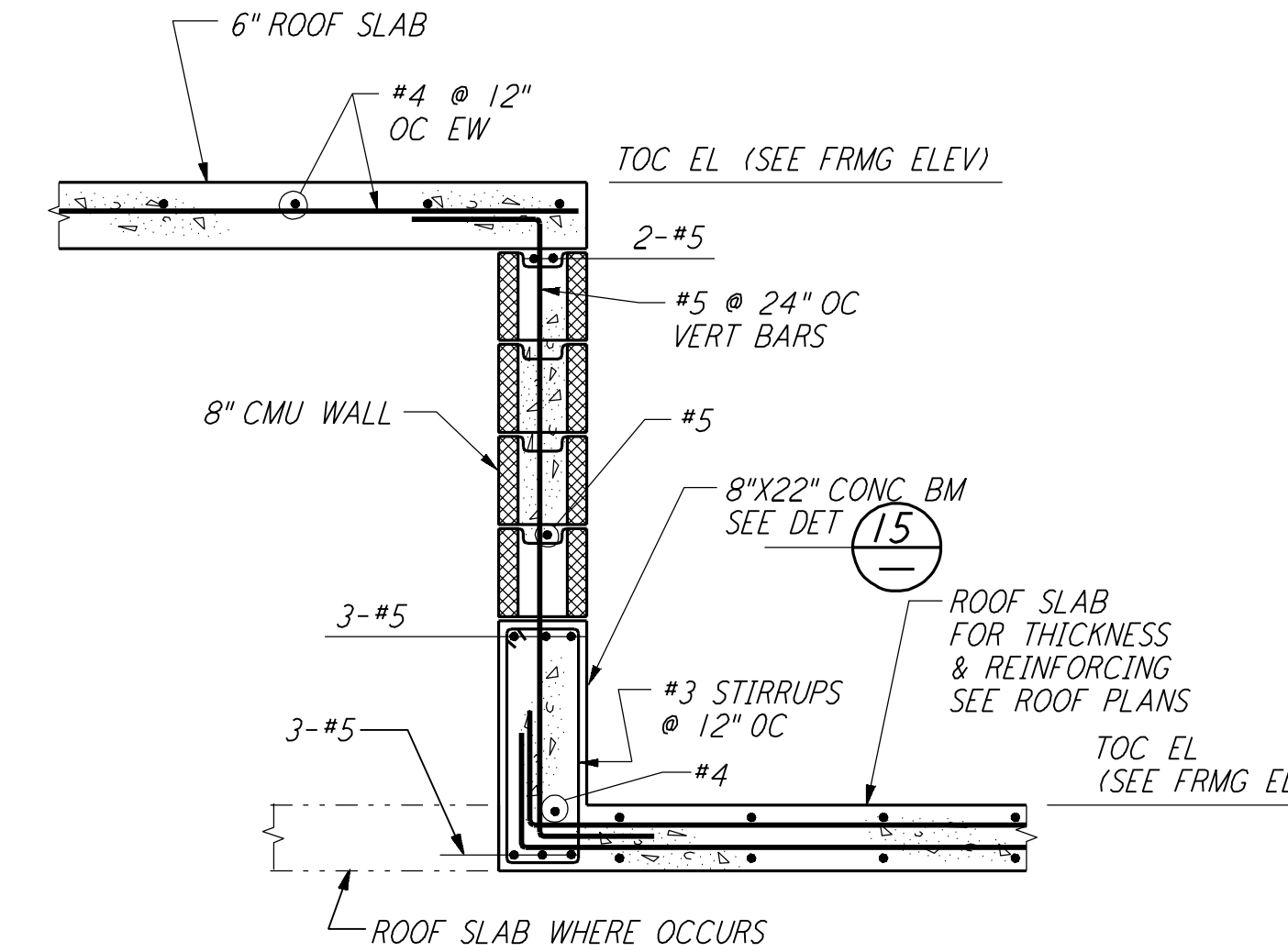
NOTES:
 1. CUT NORMAL REINFORCEMENT AT OPENING.
 2. DIAGONAL BARS TO BE PLACED:
 A. AT 6" OF WALL OR SLAB WHERE ONE LAYER OF REINFORCEMENT IS PROVIDED.
 B. AT EACH FACE OF WALL OR SLAB WHERE TWO LAYERS OF REINFORCEMENT ARE PROVIDED.
 3. UNLESS OTHERWISE NOTED, SIZE OF DIAGONAL BARS SHALL BE THE SIZE OF THE LARGEST NORMAL REINFORCING BAR CUT.
 4. THIS DETAIL TO BE USED ONLY WHEN CALLED FOR ON THE DRAWINGS OR WHEN NO OTHER DETAIL IS SPECIFIED.
 5. THIS DETAIL SHALL APPLY TO OPENINGS 6" IN DIAMETER AND LARGER.

BAR SIZE	Y
#4	12"
#5	15"
#6	18"

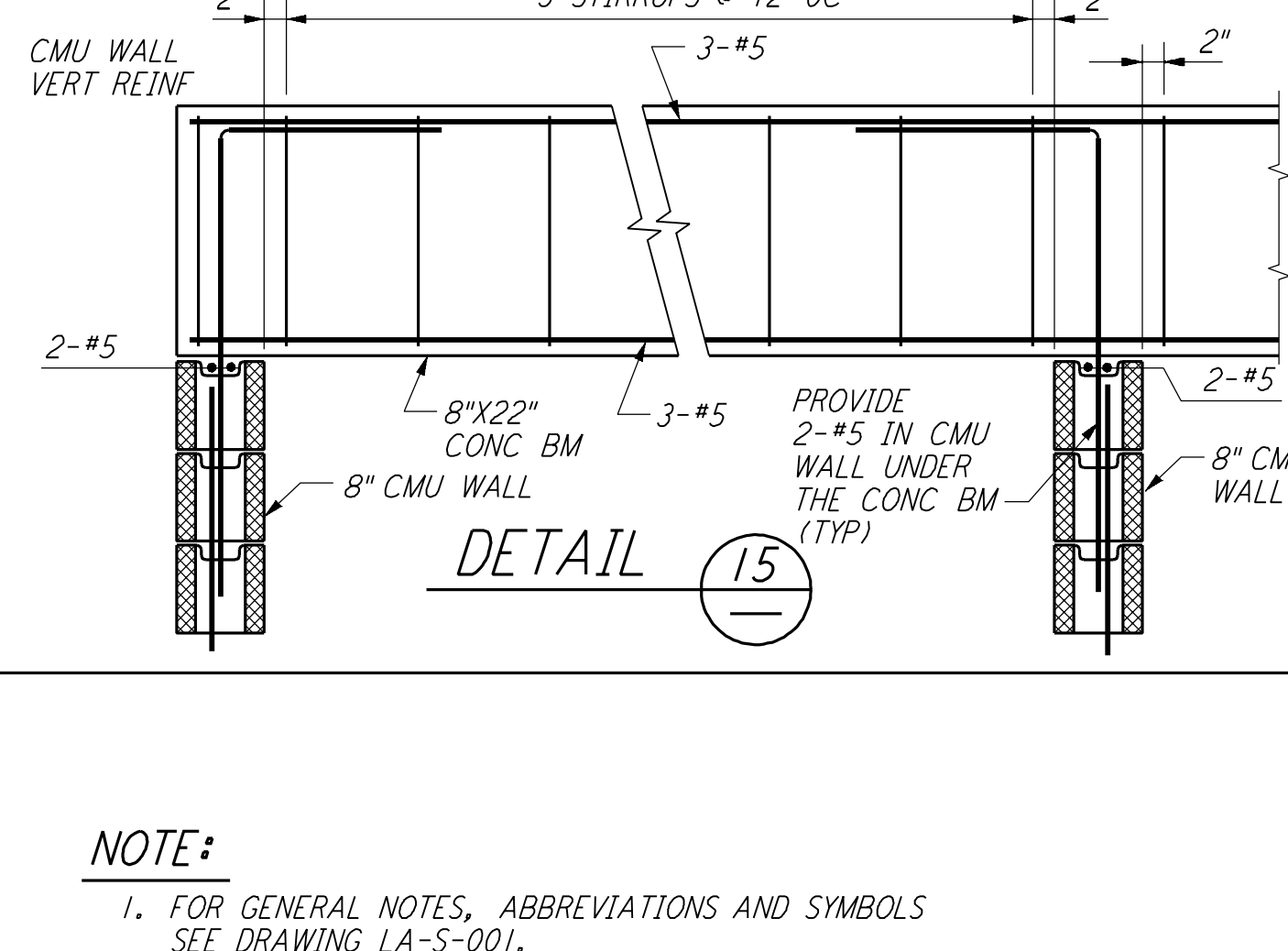
DIAGONAL REINFORCEMENT AT CIRCULAR OPENINGS (12)



REINFORCING DETAIL AT WALL OPNG (13)



MASONRY WALL DETAIL (14)



DETAIL (15)

LIGO-D960908-01-O

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	08-07-98	WA				ISSUED FOR AS-BUILT

ISSUED FOR CONSTRUCTION	DATE	BY
DRAWN	MCS	11-15-96
CHECKED	DDM	11-15-96
ENGINEER	BP	11-15-96
PROJ	TDM	11-15-96

AS-BUILT DRAWINGS

100 WEST WALNUT STREET
 PASADENA, CALIFORNIA

PARSONS

LIGO
 CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

TITLE	SCALE	CONTRACT NUMBER	PROJECT NUMBER
STRUCTURAL STANDARD CONCRETE DETAILS SHEET I	NONE	PP150969	8094

LA-S-002

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