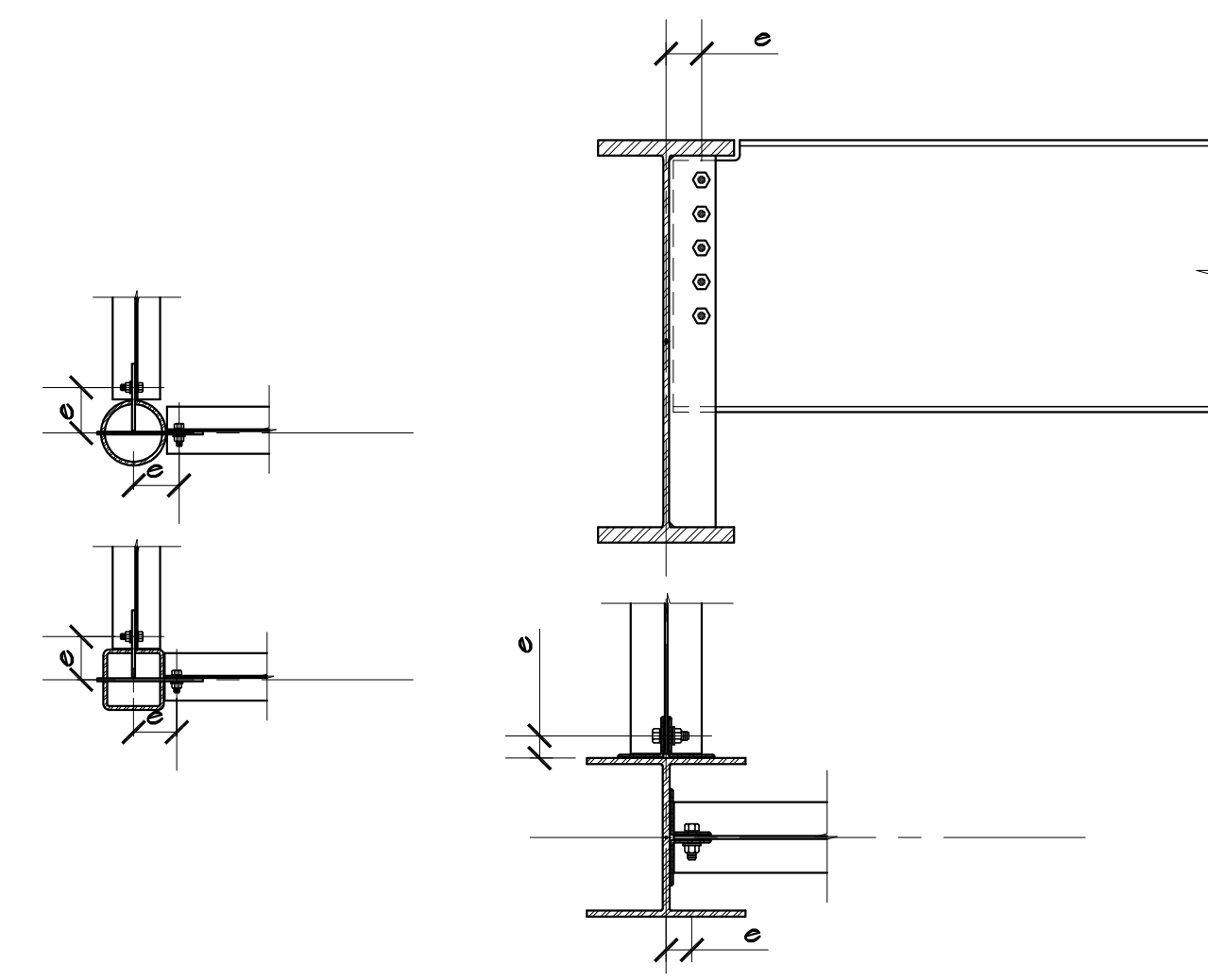
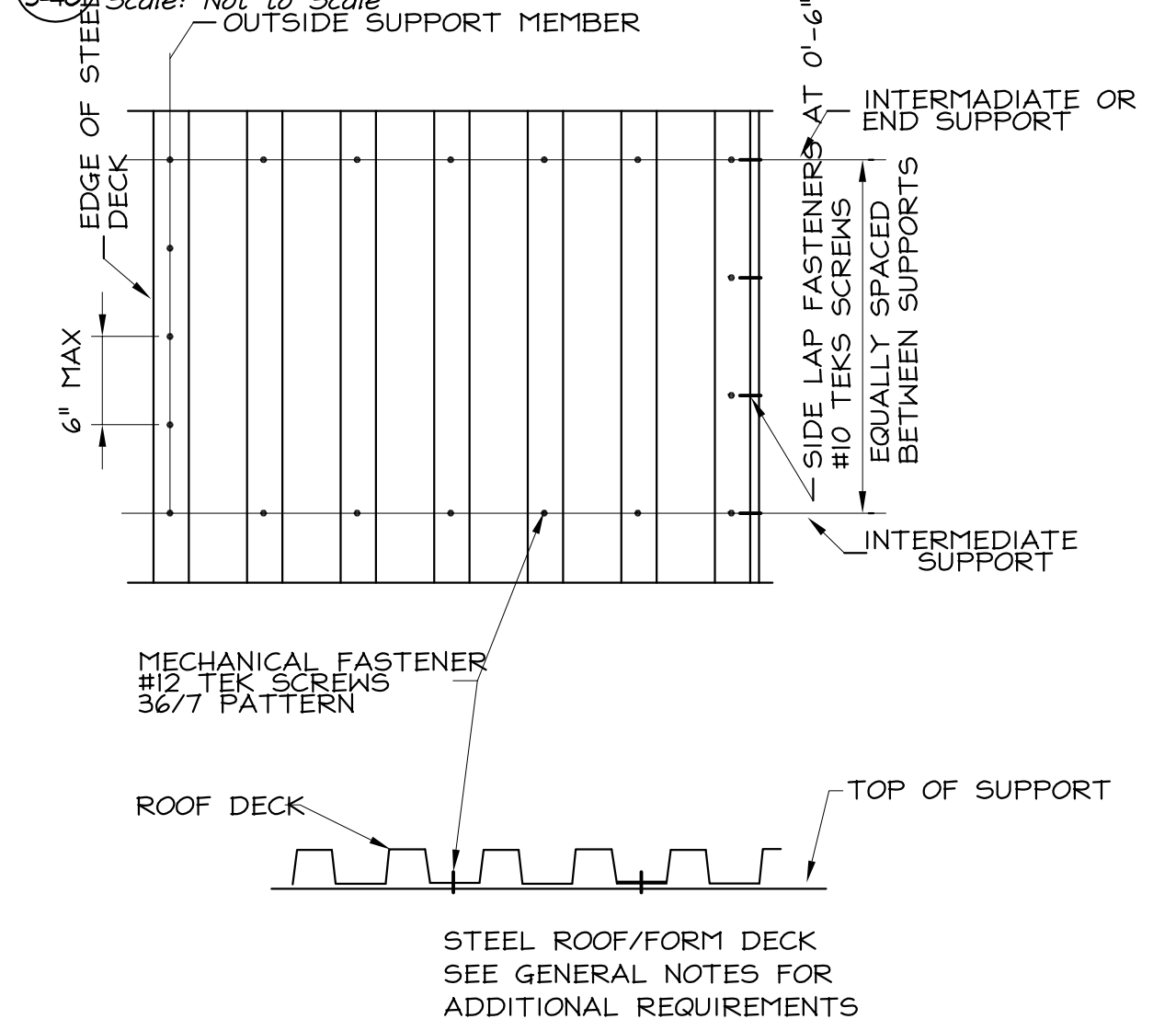


- NOTES:
- AS REQUIRED TO PROVIDE BEARING FOR FULL WIDTH OF ALL METAL DECK SHEETS (TYPICAL).
 - USE THIS OR A SIMILAR DETAIL AT ALL LOCATIONS WHERE DECK SUPPORTS ARE INTERRUPTED FOR MORE THAN 6" SUCH AS
 - AT BEAM TO COLUMN BOLTED MOMENT CONNECTION
 - AT BEAM TO BEAM BOLTED MOMENT CONNECTION
 - WHERE OPENING OR SLEEVES OCCUR NEAR DECK SUPPORTS

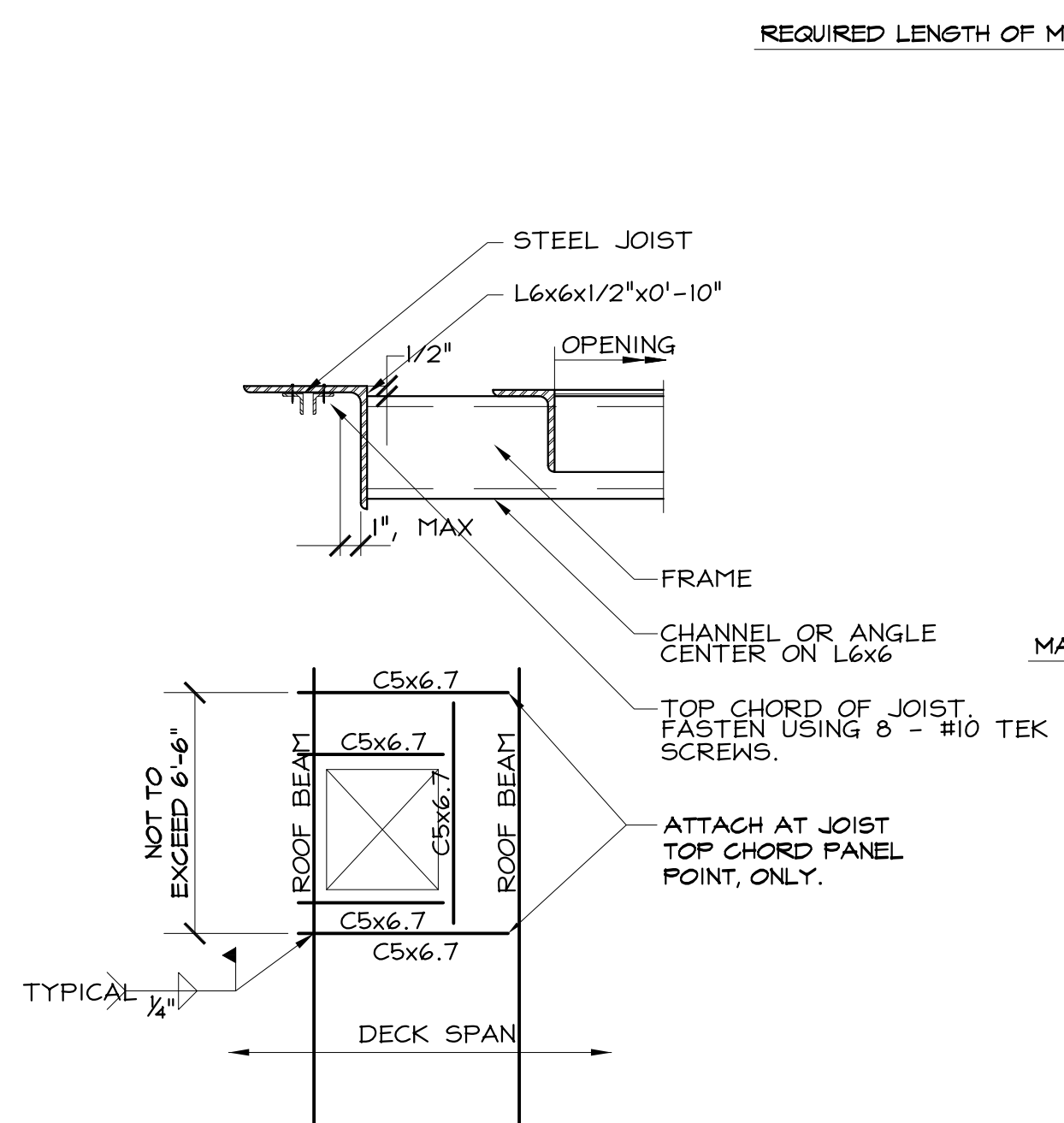
3 Typical Supplementary Deck Support Detail
S-401 SCALE: NOT TO SCALE



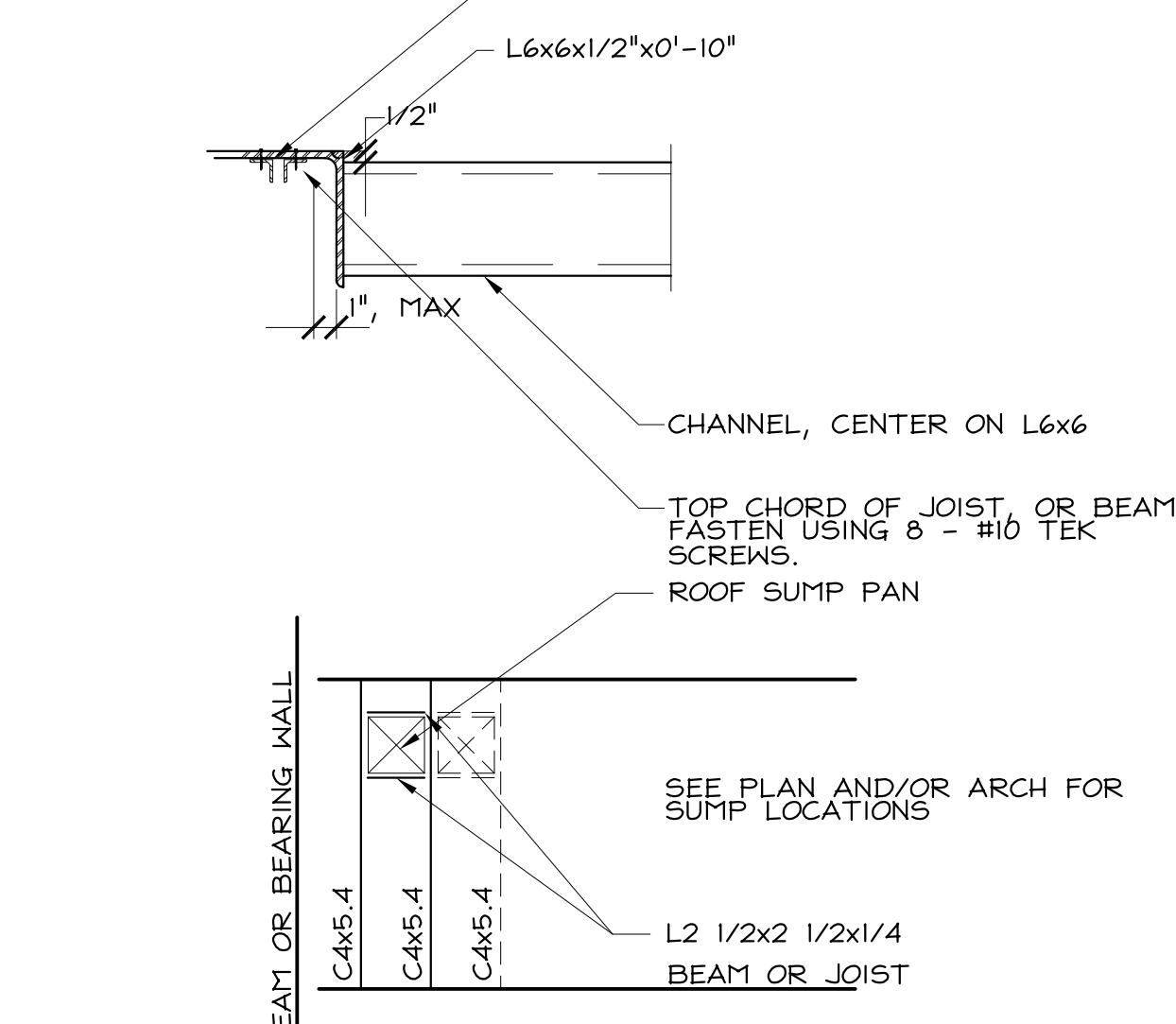
5 Typical Connection Eccentricities Detail
S-401 Scale: Not to Scale



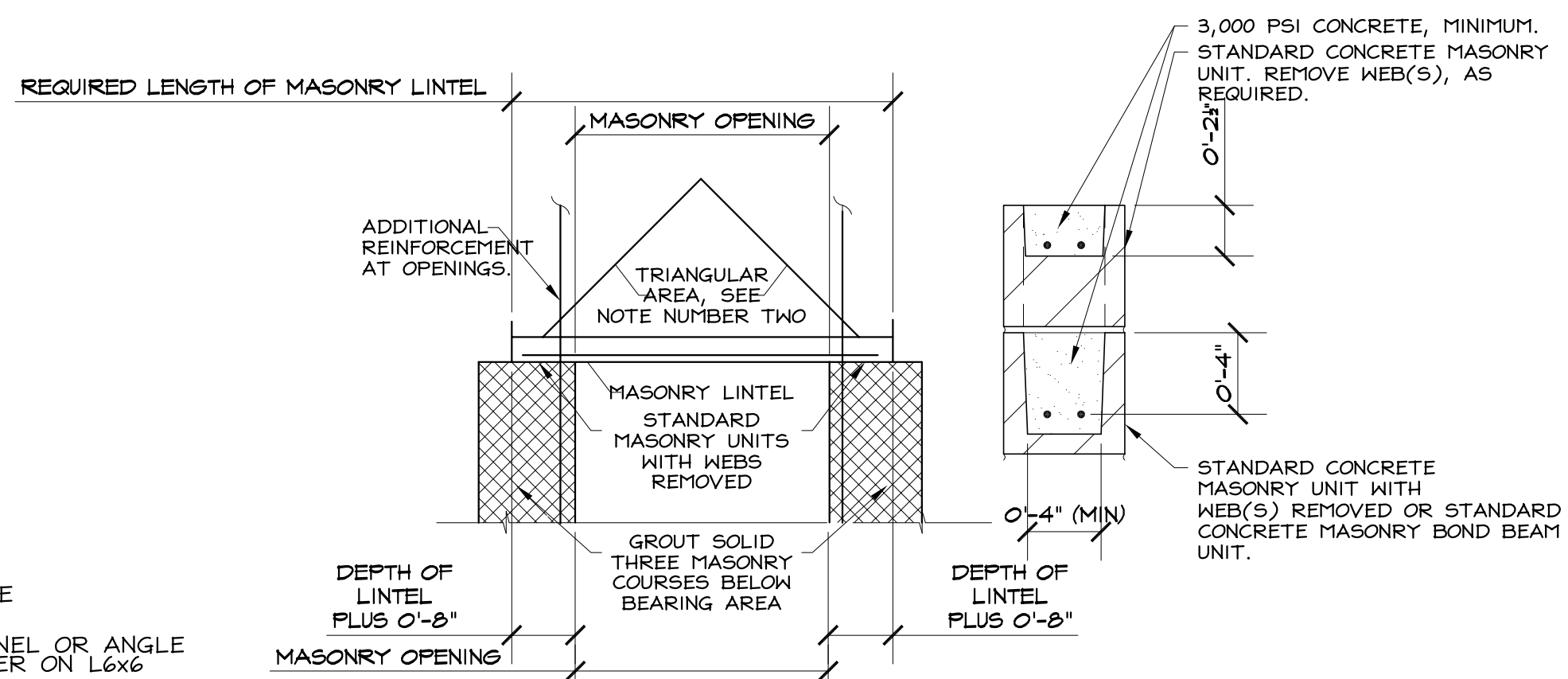
4 Typical Steel Deck Attachment Detail
S-401 Scale: Not to Scale



2 Typical Roof Opening Detail (RH)
S-401 Scale: Not to Scale



1 Typical Roof Sump Detail
S-401 Scale: Not to Scale



WALL LINTEL WIDTH	LINTEL DEPTH	MASONRY OPENING					
		UP TO 4'-0"	4'-2" TO 6'-0"	6'-2" TO 8'-0"	8'-2" TO 10'-0"	10'-2" TO 12'-0"	12'-2" TO 14'-0"
8"	8"	2-#4	2-#5	2-#5	—	—	—
	16"	—	—	2-#4	2-#5	2-#6	2-#6
12"	8"	2-#4	2-#5	2-#5	—	—	—
	16"	—	—	2-#4	2-#5	2-#6	2-#7

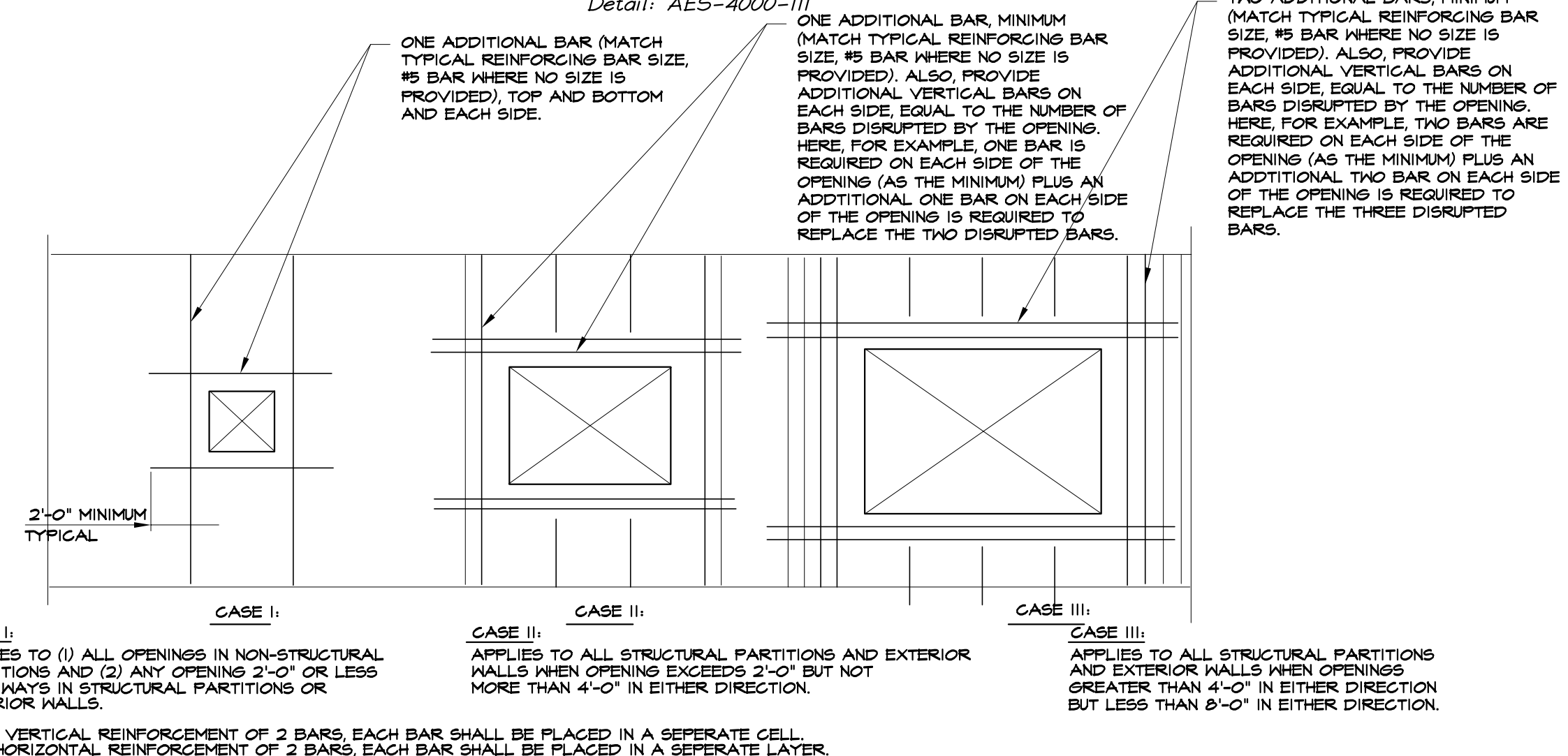
- NOTES:
- PLACE REINFORCEMENT AT BOTTOM OF BOND BEAM, U.O.N.
 - LINTELS DESIGNED FOR WALL LOADS OF TRIANGULAR AREA ABOVE LINTELS. HEIGHT OF TRIANGLE ABOVE LINTEL EQUALS 1/2 * MASONRY OPENING + 8"
 - SEE ARCHITECTURAL DRAWINGS FOR ALL MASONRY OPENINGS AND LINTEL CONFIGURATIONS.

6 Typical Masonry Wall Lintel Schedule - Concrete Masonry Lintels
S-401 Scale: Not to Scale Detail: AES-4000-112

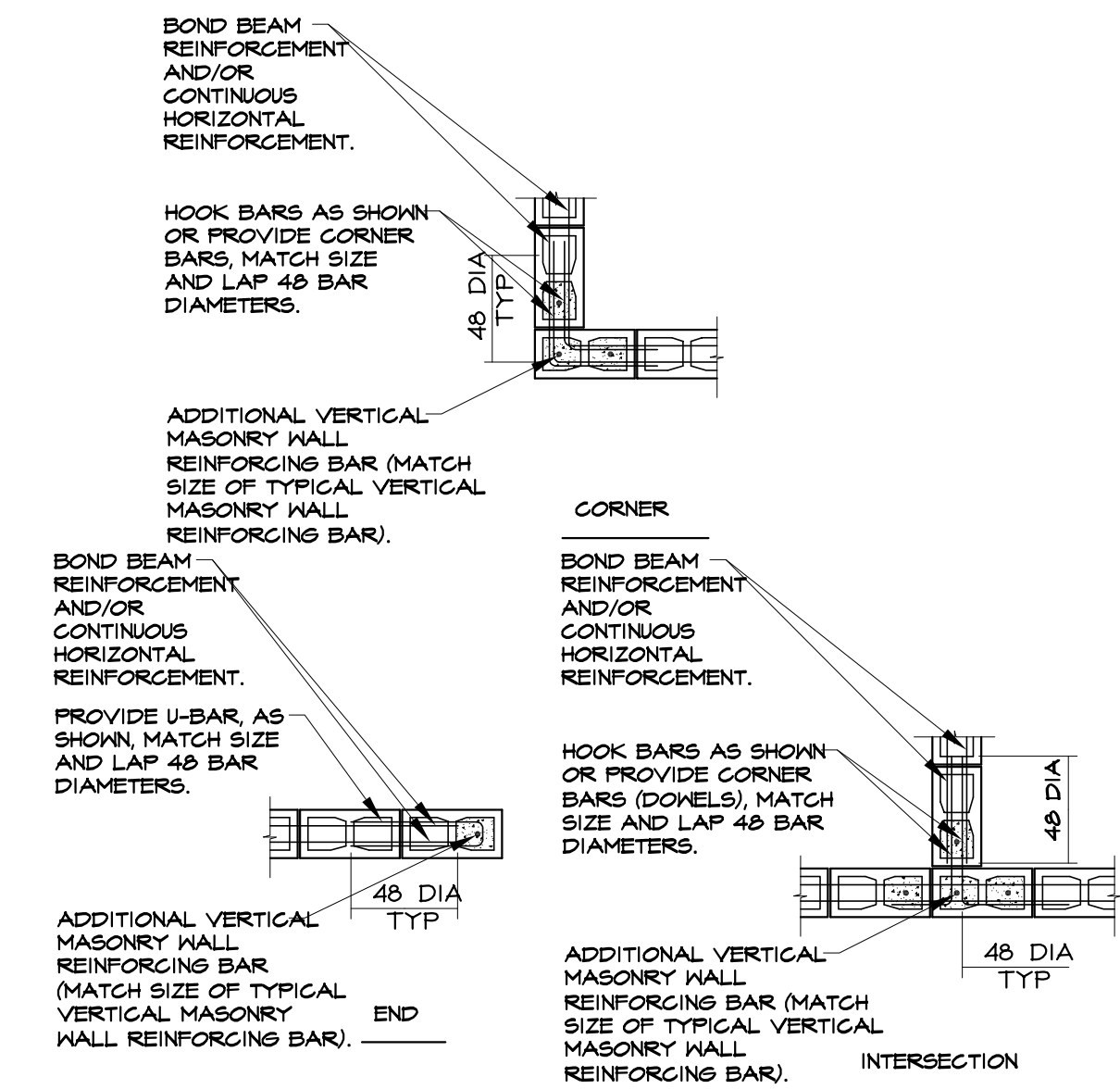
MASONRY OPENING	STEEL LINTEL TYPE			
	4 INCH WALL	6 INCH WALL	8 INCH WALL	12 INCH WALL
UP TO 4'-0"	L3 1/2x3 1/2x1/4	WT 4x9	(2)L3 1/2x3 1/2x1/4	(3)L3 1/2x3 1/2x1/4 OR (2)L5x3 1/2x1/4 (LL#)
4'-2" TO 6'-0"	L3 1/2x3 1/2x1/4	WT 4x9	(2)L4x3 1/2x1/4	(3)L4x3 1/2x1/4 OR (2)L5x5x5/16
6'-2" TO 8'-0"	L5x3 1/2x5/16	WT 7x11	(2)L5x3 1/2x5/16	(3)L5x3 1/2x5/16 OR (2)L5x5x5/16
8'-2" TO 10'-0"	L6x3 1/2x3/8	WT 8x13	(2)L6x3 1/2x3/8	(3)L6x3 1/2x3/8 OR T58x4x5/16 + 1/4" PLATE *
10'-2" TO 12'-0"	—	—	T58x4x1/4+1/4" PLATE W/ 1/2" DIA. HEADED STUDS @ 16" O.C. *	T58x4x3/8 + 1/4" PLATE *

- * WELD PLATE TO TUBE 3/16"x3" @ 12" O.C. EACH SIDE.
- NOTES:
- ALL ANGLES ARE TO BE LONG LEG VERTICAL U.O.N.
 - PROVIDE MINIMUM 4 INCHES OF SOLID BEARING EACH END OF LINTEL.
 - SEE ARCH. FOR ALL MASONRY OPENINGS AND LINTEL CONFIGURATION.
 - TACK WELD ANGLES TOGETHER, EACH SIDE, 12" ON CENTER (MAXIMUM).
 - ALL MASONRY LINTELS NOTED HERE ARE NOT INTENDED TO SUPERCEDE TO SUPERCEDE THOSE INDICATED DIRECTLY ON DRAWINGS.

5 Typical Masonry Wall Steel Lintel Schedule
S-401 Scale: Not to Scale Detail: AES-4000-111

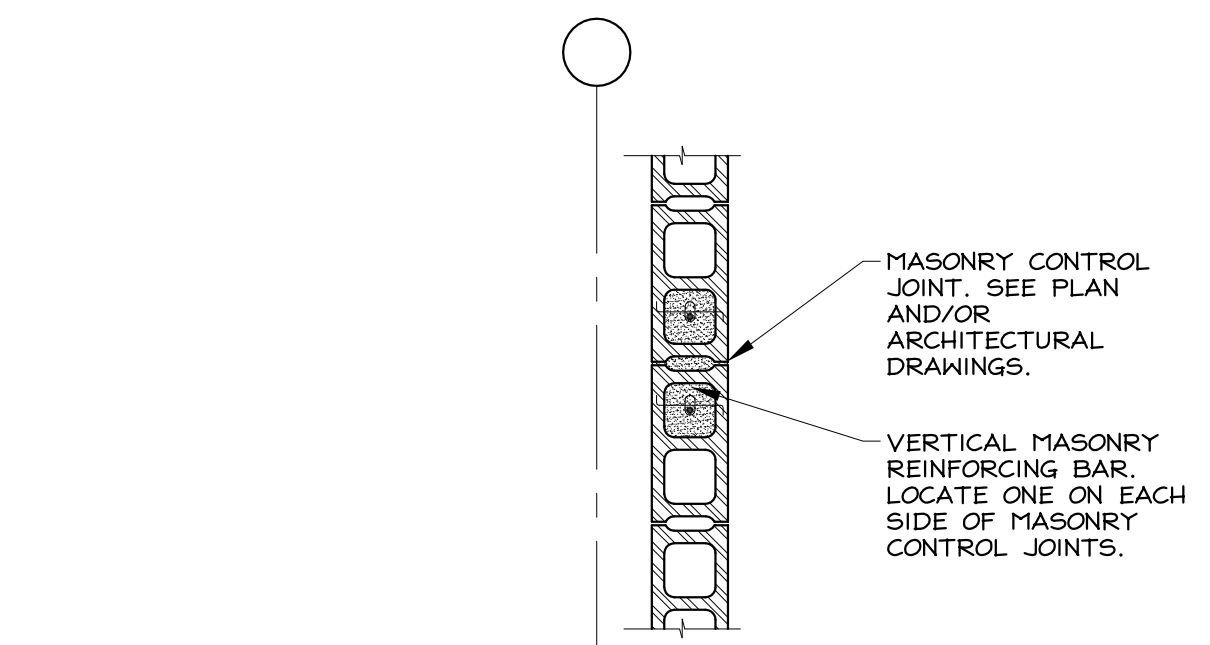


4 Typical Masonry Wall Additional Reinforcement Requirements Around Masonry Openings Detail
S-401 Scale: Not to Scale Detail: AES-4000-113



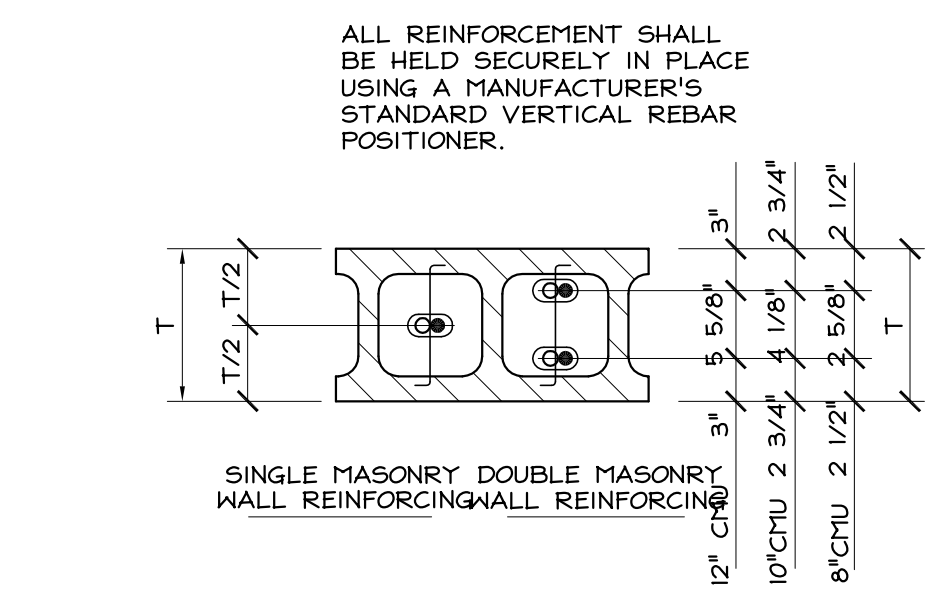
- NOTES:
- UNLESS OTHERWISE NOTED OR SPECIFIED, AT CORNERS AND INTERSECTIONS OF CONCRETE MASONRY WALLS SHALL BE CONSTRUCTED BY PLACING ONE HALF OF UNITS INTO THE OTHER MASONRY WALL WITH THE ALTERNATE UNITS HAVING A BEARING OF NOT LESS THAN FOUR INCHES ON THE UNIT BELOW.
 - UNLESS OTHERWISE NOTED OR SPECIFIED, PROVIDE DONNELS FROM CONCRETE FOOTINGS OR WALL BELOW WITH SAME SIZE AND SPACING AS VERTICAL BARS AT LEVEL BELOW. LAP FORTY-EIGHT BAR DIAMETERS MINIMUM, U.O.N.

3 Typical Masonry Wall Additional Reinforcement Requirement Detail
S-401 Scale: Not to Scale Detail: AES-4000-102



- ARCHITECTURAL DRAWINGS TYPICALLY INDICATE MASONRY CONTROL JOINTS AND BRICK EXPANSION JOINTS. THE LOCATION OF ONE SHALL DEFINE THE OTHER, WHERE THERE IS NO INDICATION OF EITHER, THE CONTRACTOR SHALL, FOR BIDDING PURPOSES, PROVIDE MASONRY CONTROL JOINTS AND BRICK EXPANSION JOINTS (WHERE REQUIRED), AT A SPACING NOT TO EXCEED 15'-0" ON CENTER. A MASONRY CONTROL JOINT AND/OR BRICK EXPANSION JOINT SHALL BE LOCATED WITHIN 2'-0" OF ALL CORNERS.

2 Typical Masonry Wall Control Joint Detail
S-401 Scale: Not to Scale Detail: AES-4000-102



1 Typical Masonry Wall Reinforcement Detail
S-401 Scale: Not to Scale Detail: AES-4000-101

4N

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PITTSFIELD TWP., MI

sheet title

TYPICAL DETAILS

DO NOT SCALE DRAWINGS
USE FIGURED DIMENSIONS ONLY

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STEEL PRICING 01/21/06

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S-401