

STANDARD STEEL LINTELS IN NON LOAD BEARING MASONRY WALLS					TM-WALL-11
NOTES: 1. THIS DETAIL APPLIES FOR HOLLOW MASONRY WALLS AND FOR MASONRY WALLS WITH GROUTED CORES SPACED NOT CLOSER THAN 800 (2'-8"). 2. STANDARD LINTELS ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS, REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR OPENING LOCATIONS. 3. SEE PLANS FOR SPECIAL LINTELS. 4. CONNECT BACK TO BACK DOUBLE ANGLES USING MIN 16 (5/8")Ø BOLTS @ 450 (1'-6") MAX , OR BY WELDING @ TOP & BOTTOM USING 6 (1/4") WELDS x 50 (2") LG @ 450 (1'-6") MAX LOCATE FIRST CONNECTION MAX 75 (3") FROM END OF LINTEL. 5. PROVIDE STEEL PACKING AS REQUIRED TO ENSURE EVEN BEARING OF STEEL LINTELS. 6. FOR LINTELS WHICH ARE SHADED IN SCHEDULE, SPECIAL DETAIL FOR CONNECTION TO CONCRETE WALL/COLUMN IS REQUIRED. 7. FOR FIRE PROTECTIONS OF LINTELS LONGER THAN 3000 (10'-0"), SEE ARCHITECTURAL DRAWINGS AND SPECS.					
UNDERSIDE OF STRUCTURE ABOVE; TOP OF MASONRY WALL (IF IN FRONT OF STRUCTURE); UNDERSIDE OF MATCHING OPENING OR SHELF ANGLE (FOR VENEER) REINFORCEMENT AT SIDES OF OPENINGS (IF SHOWN ON PLANS OR DETAILS) OFFSET BESIDE LINTEL BEARING MOVEMENT JOINT IN PARTITIONS (WHERE APPLICABLE) STANDARD STEEL LINTEL ADDITIONAL PLATE (WHERE APPLICABLE) TO STAY 25 (1") CLEAR OF BEARING FACE SOLID OR FULLY GROUTED SPAN WHERE WALL THICKNESS IS REDUCED BY RECESSES, INCLUDE IN LINTEL SPAN MOVEMENT JOINT IN PERIMETER BACKUP WALL (WHERE APPLICABLE) DO NOT LOCATE AT FACE OF OPENING PIER FULLY GROUTED OR SOLID MASONRY (TO FLOOR) IF LESS THAN 600 (2'-0") WIDE MIN 600 (2'-0") U/N 200 (8") BEARING 200 (8") 25 (1") MAX OPEN MIN 200 (8") CAST-IN PLACE CONCRETE WALL OR COLUMN END OF WALL OR MOVEMENT JOINT L178x102x13 (LLV) + 2-16 (5/8")Ø DCA (AT WALL CENTRELINE); NOT APPLICABLE FOR LINTELS SHOWN SHADED IN SCHEDULE MASONRY MOVEMENT JOINT 100 (4")					
WALL THICKNESS	SPAN	HEIGHT OF SUPPORTED MASONRY "h"			DETAIL
		h≤1200 (4'-0")	1200 (4'-0")<h ≤ 2600 (8'-4")	2600 (8'-4")≤h ≤ 4800 (16'-0")	
90 (4") VENEER	UP TO 1200 (4'-0")	L89x89x6.4	L89x89x6.4	L89x64x7.9	70x13 (2 3/4"x1/2") STEEL PLATE, WHERE SHOWN IN SCHEDULE 89
	1200 (4'-0") TO 1800 (6'-0")	L89x89x6.4	L89x89x6.4	L102x89x7.9	
	1800 (6'-0") TO 2400 (8'-0")	L89x89x6.4	L102x89x9.5	L152x89x7.9	
	2400 (8'-0") TO 3000 (10'-0")	L102x89x7.9	L152x89x7.9	L152x89x9.5 +PLATE	
	3000 (10'-0") TO 3600 (12'-0")	L127x89x7.9	L152x89x9.5 +PLATE	N/A	
140 (6")	UP TO 1200 (4'-0")	2-L64x64x6.4	2-L64x64x6.4	2-L64x64x6.4	120x13 (4 3/4"x1/2") STEEL PLATE, WHERE SHOWN IN SCHEDULE 6464
	1200 (4'-0") TO 1800 (6'-0")	2-L64x64x6.4	2-L76x64x7.9	2-L89x64x7.9	
	1800 (6'-0") TO 2400 (8'-0")	2-L76x64x7.9	2-L89x64x9.5+PLATE	N/A	
	2400 (8'-0") TO 3000 (10'-0")	2-L89x64x9.5	N/A	N/A	
	3000 (10'-0") TO 3600 (12'-0")	2-L89x64x9.5+PLATE	N/A	N/A	
190 (8")	UP TO 1200 (4'-0")	2-L89x89x6.4	2-L89x89x6.4	2-L89x89x6.4	8989
	1200 (4'-0") TO 1800 (6'-0")	2-L89x89x6.4	2-L89x89x6.4	2-L102x89x6.4	
	1800 (6'-0") TO 2400 (8'-0")	2-L89x89x6.4	2-L102x89x7.9	2-L127x89x7.9	
	2400 (8'-0") TO 3000 (10'-0")	2-L102x89x7.9	2-L152x89x7.9	2-L152x89x9.5	
	3000 (10'-0") TO 3600 (12'-0")	2-L127x89x7.9	2-L152x89x9.5	N/A	
240 (10")	UP TO 1200 (4'-0")	2-L102x102x6.4	2-L102x102x6.4	2-L102x102x6.4	220x13 (8x1/2") STEEL PLATE, WHERE SHOWN IN SCHEDULE 102102
	1200 (4'-0") TO 1800 (6'-0")	2-L102x102x6.4	2-L102x102x6.4	2-L102x102x7.9	
	1800 (6'-0") TO 2400 (8'-0")	2-L102x102x6.4	2-L102x102x9.5	2-L152x102x7.9	
	2400 (8'-0") TO 3000 (10'-0")	2-L102x102x9.5	2-L152x102x7.9	2-L178x102x9.5	
	3000 (10'-0") TO 3600 (12'-0")	2-L152x102x7.9	2-L178x102x9.5	2-L178x102x9.5+PLATE	
290 (12")	UP TO 1200 (4'-0")	3-L89x89x6.4	3-L89x89x6.4	3-L89x89x6.4	898989
	1200 (4'-0") TO 1800 (6'-0")	3-L89x89x6.4	3-L89x89x6.4	3-L102x89x6.4	
	1800 (6'-0") TO 2400 (8'-0")	3-L89x89x6.4	3-L127x89x6.4	3-L127x89x7.9	
	2400 (8'-0") TO 3000 (10'-0")	3-L127x89x6.4	3-L127x89x7.9	3-L152x89x9.5	
	3000 (10'-0") TO 3600 (12'-0")	3-L127x89x6.4	3-L152x89x9.5	N/A	
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