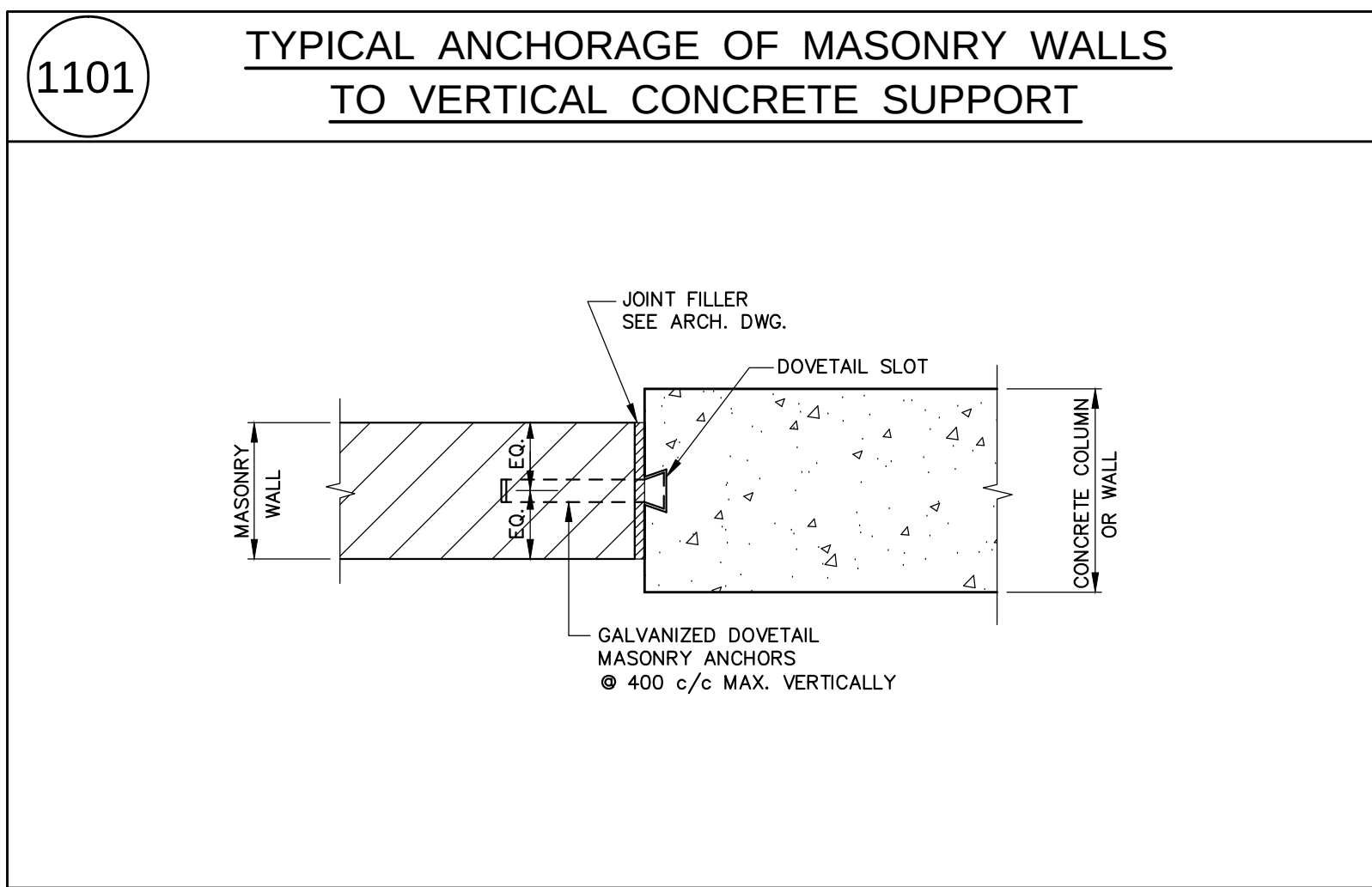
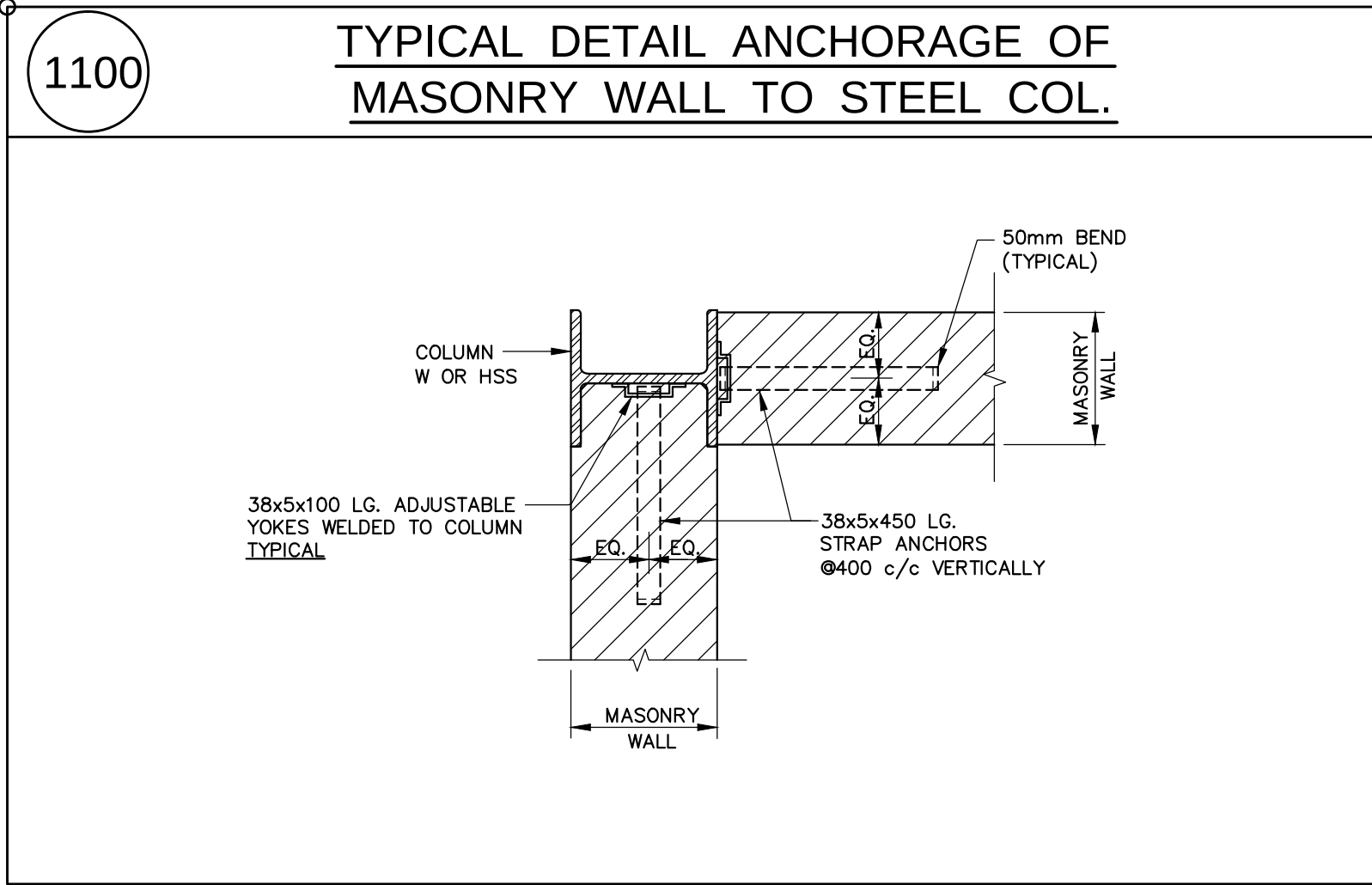




1102 LINTEL SCHEDULE

MAXIMUM CLEAR SPAN	BLOCK LINTEL	MAXIMUM CLEAR SPAN	STEEL LINTEL FOR EXTERIOR WALL
2000	FOR INTERIOR WALL 1-15 CONT. 90 OR 140	1800	90 BRICK L-102x102x8
2400	FOR INTERIOR WALL 2-15 CONT. 190	2000	90 BRICK L-102x102x8 + L-51x51x4.8
2400	FOR EXTERIOR & CAVITY WALL 2-15 CONT. 190	2400	90 BRICK L-152x102x8 (LLV) + L-51x51x4.8
3000	FOR EXTERIOR & CAVITY WALL 4-15 CONT. 100#400 STIRRUPS 2-20 CONT. 190	3000	90 BRICK L-152x102x10 (LLV) + L-51x51x4.8
3600	FOR EXTERIOR & CAVITY WALL 4-15 CONT. 100#400 STIRRUPS 2-25 CONT. 190	3600	90 BRICK L-203x102x13 (LLV) + L-51x51x4.8

NOTES:

1. MINIMUM END BEARING FOR LINTELS SHALL BE 200mm.
2. CONCRETE FILL SHALL BE $f_c = 25\text{MPa}$.
3. PROVIDE TEMPORARY SHORING TO SUPPORT MASONRY OVER OPENINGS UNTIL CONCRETE HAS DEVELOPED FULL STRENGTH.

NOTES:

1. MINIMUM END BEARING FOR LINTELS SHALL BE 150mm.
2. ALL ANGLES SHALL BE HOT-DIPPED GALVANIZED.
3. STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA G40.21-04, 300W.

1103 TYPICAL STEEL LINTELS IN NON-LOAD BEARING MASONRY WALLS

MAX. CLEAR SPAN	200	250	300	315	365
1200	2L ^S - 90x90x8 1 L-90x90x8 (LLH) 2 L-125x90x8 (LLV)	1 L-90x90x8 2 L-125x90x8 (LLV) 3 L-90x90x8	3L ^S - 90x90x8 1 L-100x100x8 (LLV) 2 L-100x100x8 (LLH) 3 L-90x90x8	1 L-100x100x8 2 L-100x100x8 (LLV) 3 L-100x90x8 (LLV)	1 L-100x100x8 2 L-150x100x8 (LLH) 3 L-90x90x8
1800	2L ^S - 100x90x8 (LLV) 1 L-100x90x8 (LLV) 2 L-125x125x8	3L ^S - 100x90x8 (LLV) 1 L-100x100x8 (LLV) 2 L-100x100x8 (LLH) 3 L-100x90x8 (LLV)	1 L-125x90x8 (LLV) 2 L-125x90x8 (LLV) 3 L-125x90x8 (LLV)	1 L-125x90x8 (LLV) 2 L-150x100x8 (LLH) 3 L-125x90x8 (LLV)	1 L-125x90x8 (LLV) 2 L-150x100x8 (LLH) 3 L-100x100x8 (LLV)
2400	2L ^S - 125x90x8 (LLV) 1 L-125x90x8 (LLV) 2 L-125x125x10	3L ^S - 125x90x8 (LLV) 1 L-125x90x8 (LLV) 2 L-125x90x8 (LLV) 3 L-125x90x8 (LLV)	1 L-150x100x10 (LLV) 2 L-150x100x10 (LLV) 3 L-150x100x10 (LLV)	1 L-150x100x10 (LLV) 2 L-150x100x10 (LLV) 3 L-150x100x10 (LLV)	1 L-150x100x10 (LLV) 2 L-150x100x10 (LLV) 3 L-150x100x10 (LLV)
3000	2L ^S - 125x100x10 (LLV) 1 L-125x100x10 (LLV) 2 L-150x150x10	3L ^S - 150x100x10 (LLV) 1 L-150x100x10 (LLV) 2 L-150x100x10 (LLV) 3 L-150x100x10 (LLV)			

NOTES:

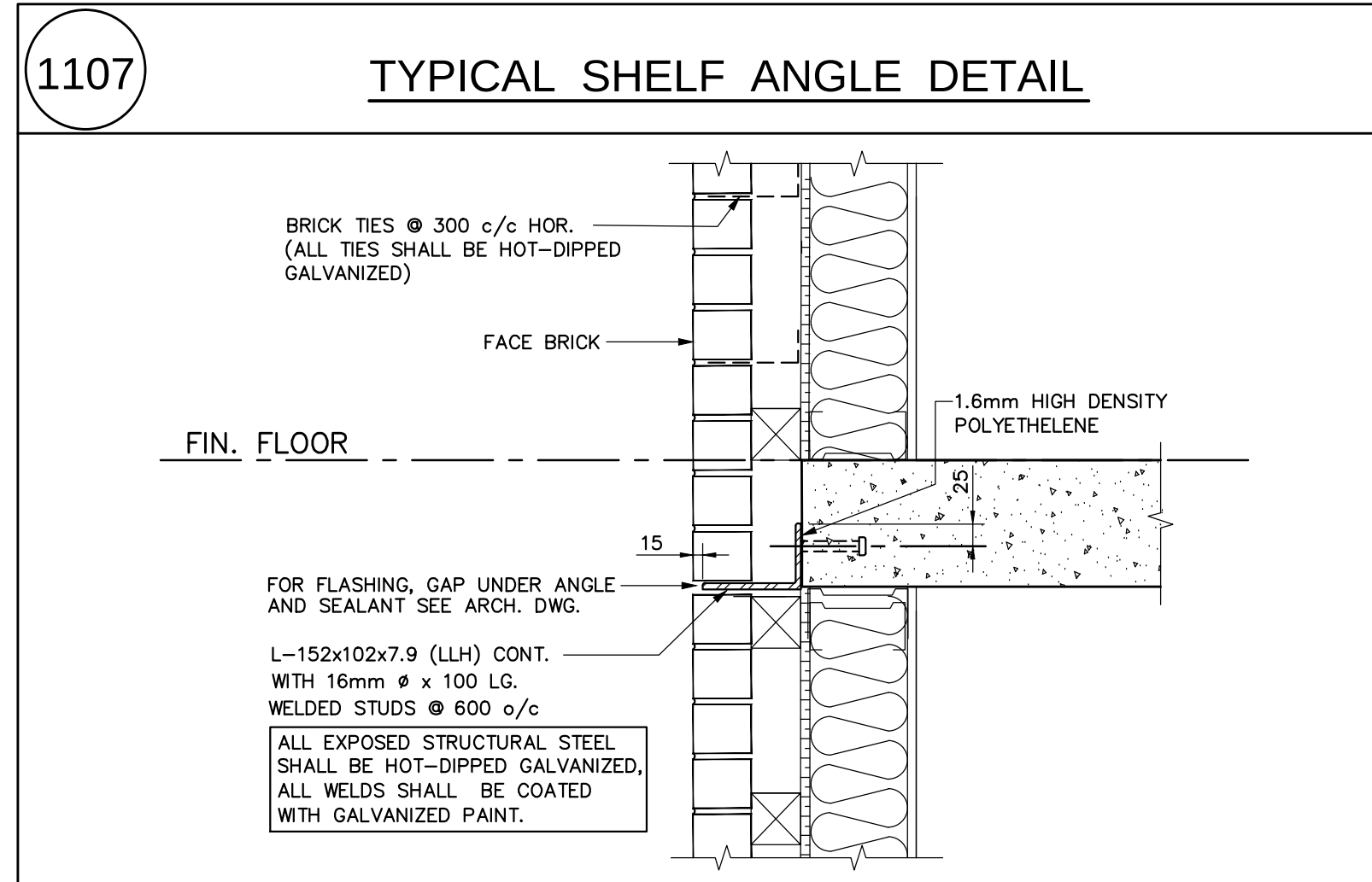
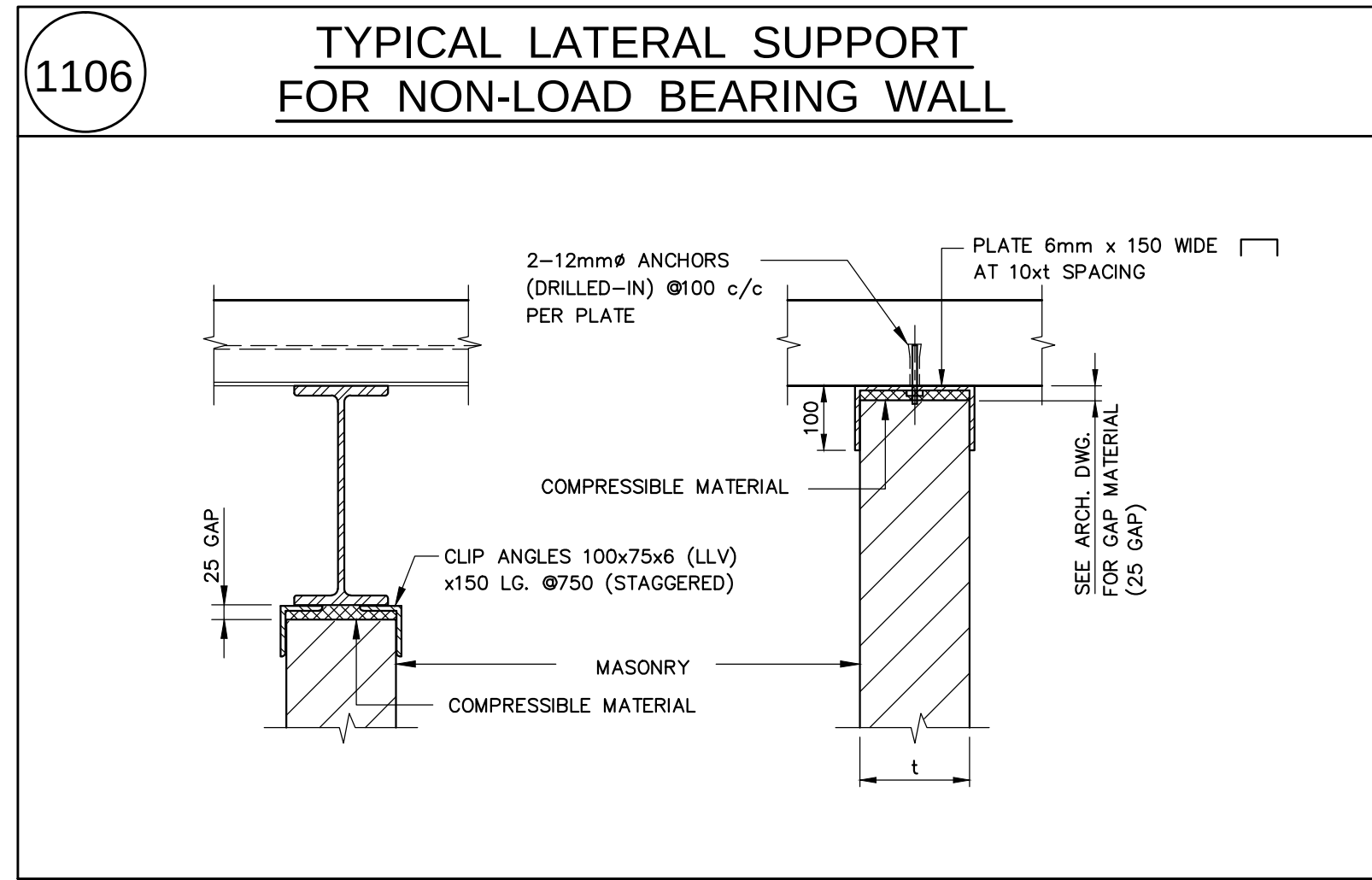
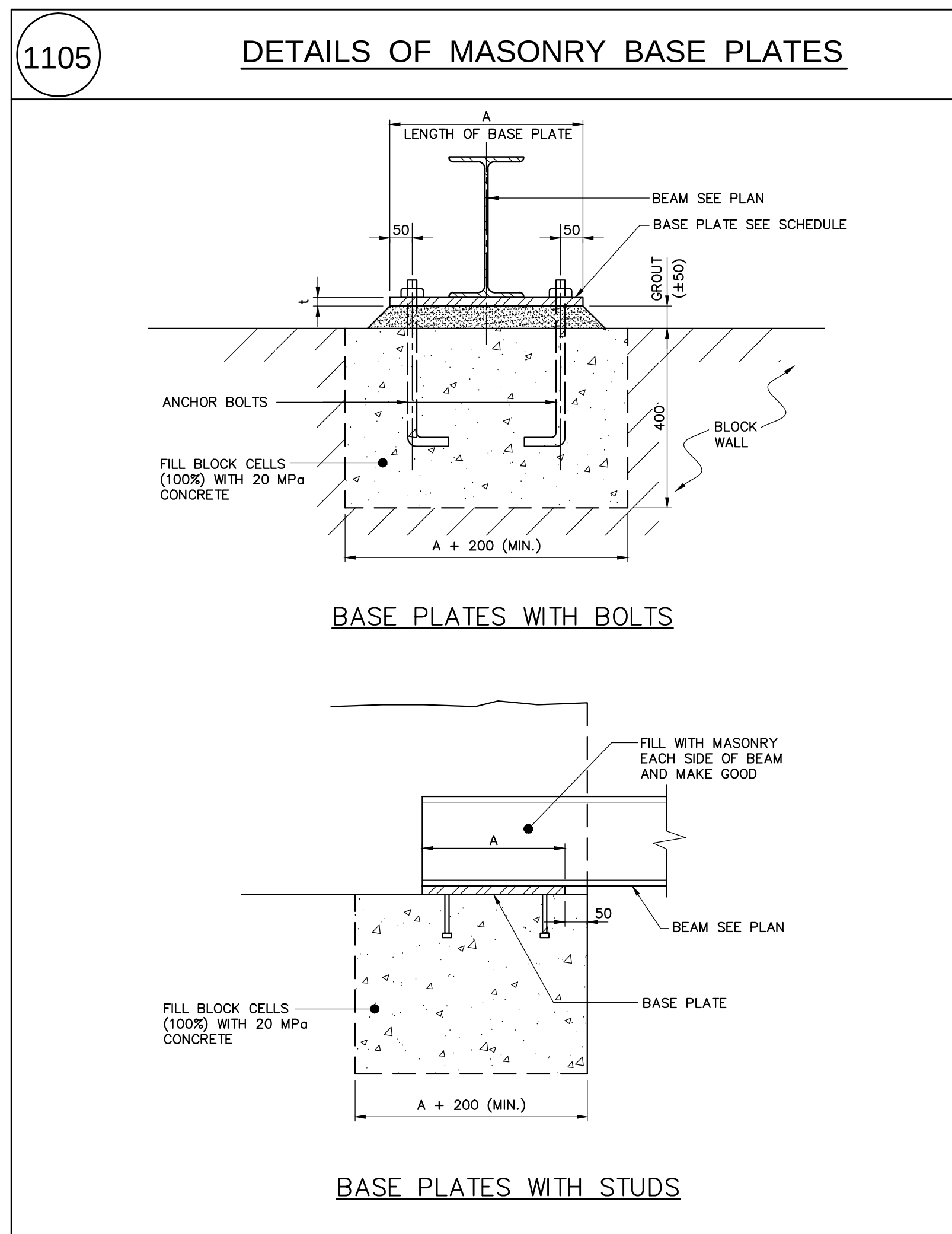
1. FOR 150 WALL USE 2 OF 250 WALL ABOVE.
2. MIN. END BEARING FOR LINTELS SHALL BE 150mm.
3. BACK TO BACK ANGLES SHALL BE BOLTED OR WELDED TOGETHER WHEN CLEAR SPAN EXCEEDS 1800mm.
4. ALL ANGLES SHALL BE HOT-DIPPED GALVANIZED IF EXPOSED TO WEATHER.
5. PROVIDE L-90x90x10 WELDED TO STEEL COLUMN OR BOLTED TO CONCRETE COLUMN OR WALL TO SUPPORT LINTEL WHERE OPENING ABUTS COLUMN OR WALL.
6. STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA G40.21-04, 300W.

1104 STEEL LINTELS FOR NON-LOAD BEARING WALLS OF HOLLOW CONCRETE BLOCK (ANY AGGREGATE)

STEEL ANGLES CLEAR SPAN MAX.	90	140	190	240	290
1200	2L ^S - 51x38x4.8 LL.V. 1 L-102x76x6.4 LL.H. 1 L-127x76x6.4 LL.H.	2L ^S - 64x64x6.4 1 L-102x76x6.4 LL.H. 1 L-127x76x6.4 LL.H.	2L ^S - 89x76x6.4 LL.V. 1 L-102x76x6.4 LL.H. 1 L-127x76x6.4 LL.H.	3L ^S - 89x76x6.4 LL.H. 1 L-102x76x6.4 LL.H. 1 L-127x76x6.4 LL.H.	3L ^S - 89x76x6.4 LL.H. 1 L-102x76x6.4 LL.H. 1 L-127x76x6.4 LL.H.
1600	2L ^S - 51x38x4.8 (LL.V.) 1 L-102x76x6.4 LL.H. 1 L-127x76x6.4 LL.H.	2L ^S - 64x64x6.4 1 L-102x76x6.4 LL.H. 1 L-127x76x6.4 LL.H.	2L ^S - 89x76x6.4 LL.V. 1 L-102x76x6.4 LL.H. 1 L-127x76x6.4 LL.H.	3L ^S - 89x76x6.4 LL.H. 1 L-102x76x6.4 LL.H. 1 L-127x76x6.4 LL.H.	3L ^S - 89x76x6.4 LL.H. 1 L-102x76x6.4 LL.H. 1 L-127x76x6.4 LL.H.
2000	2L ^S - 89x64x6.4 LL.V. 1 L-102x89x7.9 LL.H. 1 L-127x76x7.9 LL.H.	2L ^S - 89x64x6.4 LL.V. 1 L-102x89x7.9 LL.H. 1 L-127x76x7.9 LL.H.	2L ^S - 89x89x6.4 LL.V. 1 L-102x89x7.9 LL.H. 1 L-127x76x7.9 LL.H.	3L ^S - 89x76x6.4 LL.H. 1 L-102x89x7.9 LL.H. 1 L-127x76x7.9 LL.H.	3L ^S - 89x76x6.4 LL.H. 1 L-102x89x7.9 LL.H. 1 L-127x76x7.9 LL.H.
2400	2L ^S - 89x64x9.5 LL.V. 1 L-152x102x7.9 LL.H. 1 L-127x127x7.9 LL.H.	2L ^S - 89x64x9.5 LL.V. 1 L-152x102x7.9 LL.H. 1 L-127x127x7.9 LL.H.	2L ^S - 127x89x6.4 LL.V. 1 L-152x102x7.9 LL.H. 1 L-127x127x7.9 LL.H.	3L ^S - 127x89x6.4 LL.V. 1 L-152x102x7.9 LL.H. 1 L-127x127x7.9 LL.H.	3L ^S - 127x89x6.4 LL.V. 1 L-152x102x7.9 LL.H. 1 L-127x127x7.9 LL.H.

NOTES:

1. STRUCTURAL STEEL MATERIALS SHALL BE CAN/CSA G40.21-04 300W.
2. MINIMUM BEARING LENGTH FOR LINTELS SHALL BE 150mm.
3. CONNECT ANGLES AT 600 mm c/c BY WELDING OR BOLTING FOR ANGLES WITH A TOTAL LENGTH OF 1800mm OR MORE.
4. PROVIDE L-90x90x10 WELDED TO STEEL COLUMN OR BOLTED TO CONCRETE COLUMN OR WALL TO SUPPORT LINTEL WHERE OPENING ABUTS COLUMN OR WALL.
5. ALL ANGLES SHALL BE HOT-DIPPED GALVANIZED IF EXPOSED TO WEATHER.



no.	issued / revised	date
1	ISSUED FOR PERMIT	2014-05-30