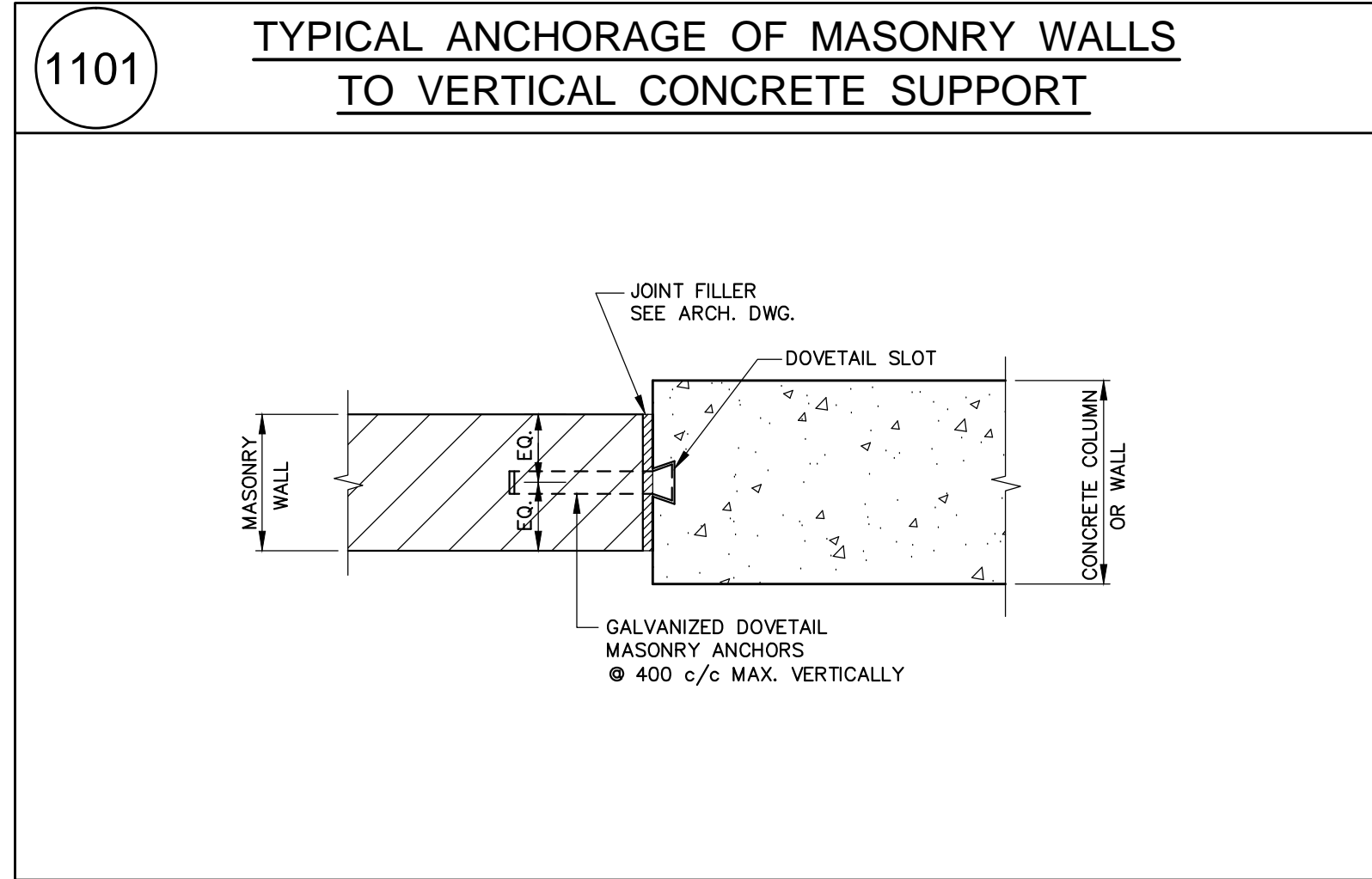
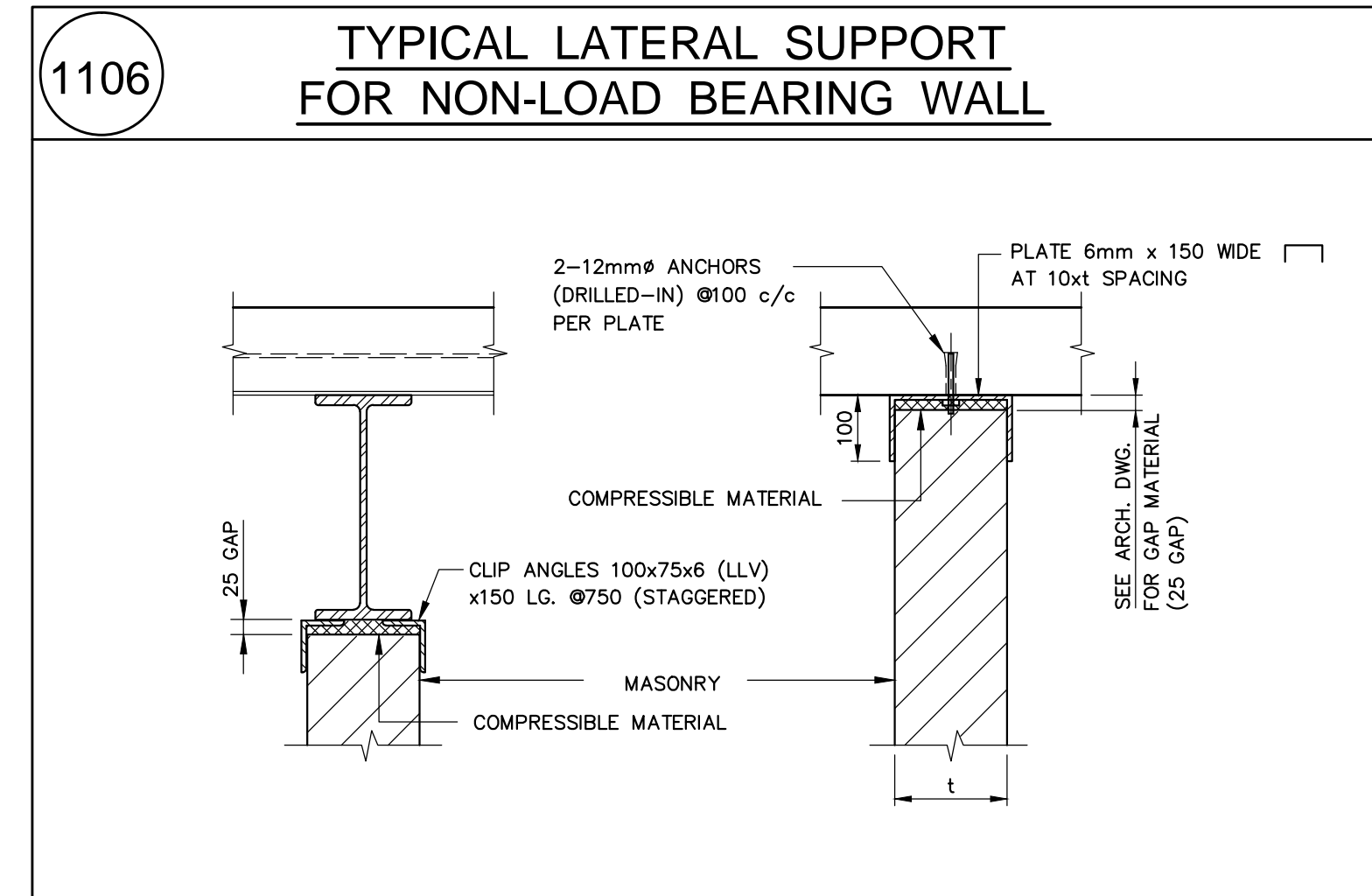


1103 TYPICAL STEEL LINTELS IN NON-LOAD BEARING MASONRY WALLS

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

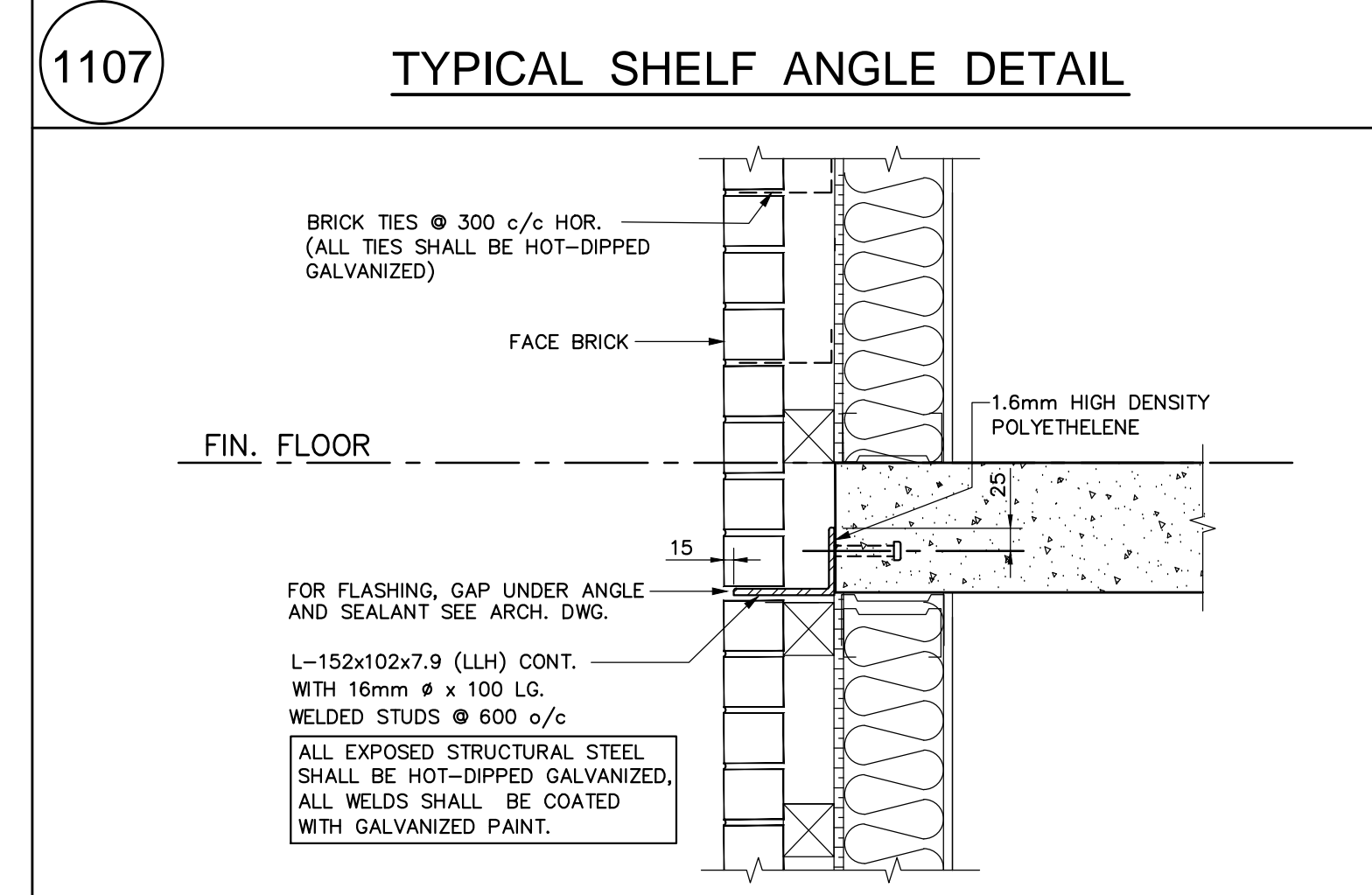
- NOTES:**
- FOR 150 WALL USE \square DF 250 WALL ABOVE.
 - MIN. END BEARING FOR LINTELS SHALL BE 150mm.
 - BACK TO BACK ANGLES SHALL BE BOLTED OR WELDED TOGETHER WHEN CLEAR SPAN EXCEEDS 1800mm.
 - ALL ANGLES SHALL BE HOT-DIPPED GALVANIZED IF EXPOSED TO WEATHER.
 - PROVIDE L-90x90x10 WELDED TO STEEL COLUMN OR BOLTED TO CONCRETE COLUMN OR WALL TO SUPPORT LINTEL WHERE OPENING ABUTS COLUMN OR WALL.
 - 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	180	240	280
1200	2 ^l - 51x38x4.8 LLV.	2 ^l - 64x6x6.4	2 ^l - 89x76x6.4 LLV.	1L - 102x76x6.4 LLH. 1L - 127x76x6.4 LLH.	3 ^l - 89x76x6.4 LLH.
1600	2 ^l - 51x38x4.8 (LLV)	2 ^l - 64x6x6.4	2 ^l - 89x76x6.4 LLV.	1L - 102x76x6.4 LLH. 1L - 127x76x6.4 LLH.	3 ^l - 89x76x6.4 LLH.
2000		2 ^l - 89x6x6.4 LLV.	2 ^l - 89x89x6.4	1L - 102x89x7.9 LLH. 1L - 127x76x7.9 LLH.	3 ^l - 89x76x6.4 LLH.
2400		2 ^l - 89x6x9.5 LLV.	2 ^l - 127x89x6.4 LLV.	1L - 152x102x7.9 LLV. 1L - 127x127x7.9	3 ^l - 127x89x6.4 LLV.

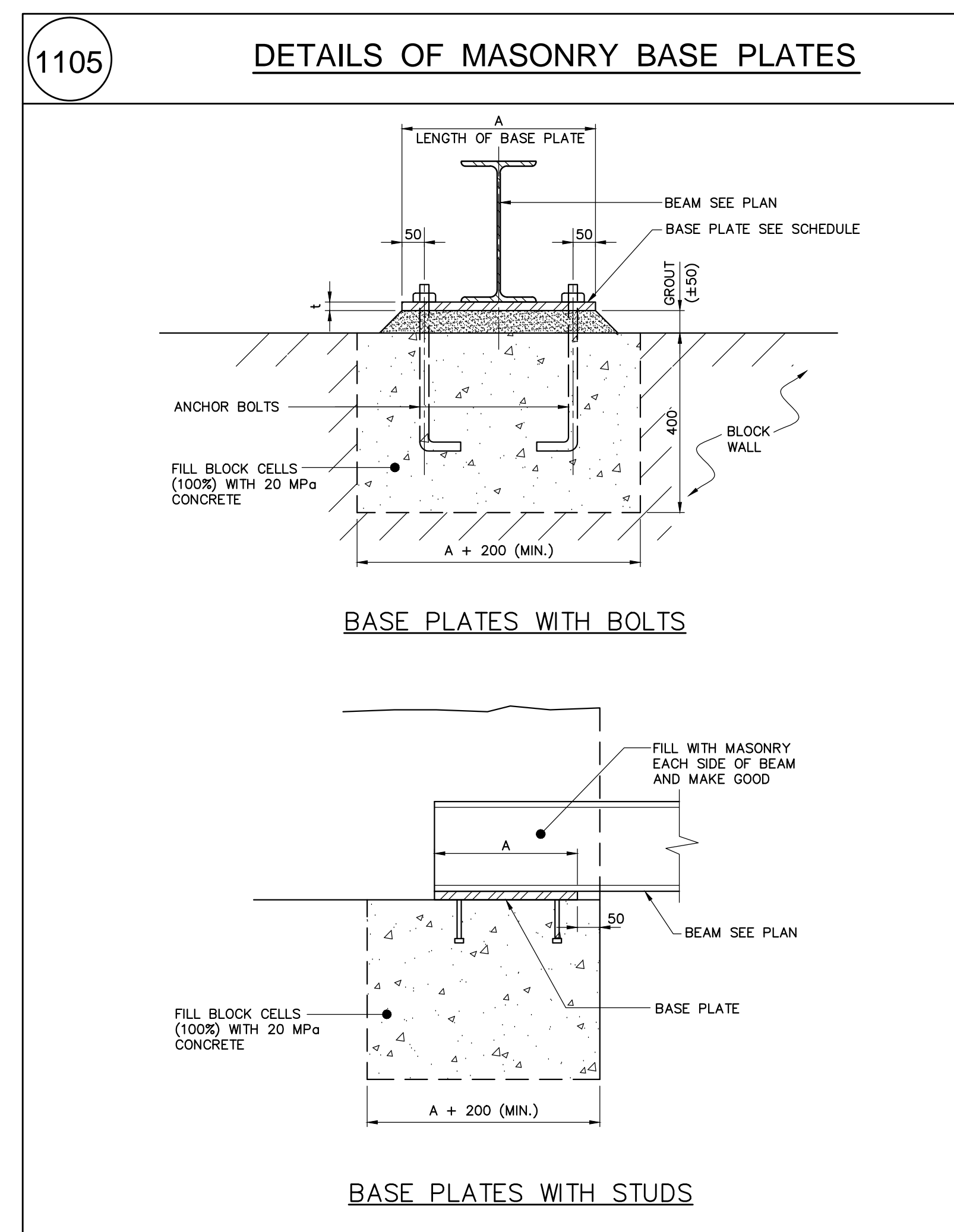
- NOTES:**
- STRUCTURAL STEEL MATERIALS SHALL BE CAN/CSA G40.21-04 300W.
 - MINIMUM BEARING LENGTH FOR LINTELS SHALL BE 150mm.
 - CONNECT ANGLES AT 600 mm c/c BY WELDING OR BOLTING FOR ANGLES WITH A TOTAL LENGTH OF 1800mm OR MORE.
 - PROVIDE L-90x90x10 WELDED TO STEEL COLUMN OR BOLTED TO CONCRETE COLUMN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



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. 90 OR 140	2000	90 BRICK L-102x102x8 + L-51x51x4.8
2400	FOR EXTERIOR & CAVITY WALL 2-15 CONT. 90 OR 140	2400	90 BRICK L-152x102x8 (LLV) + L-51x51x4.8
3000	FOR EXTERIOR & CAVITY WALL 4-15 CONT. 100x40 STRIPPERS 2-20 CONT. 90 OR 140	3000	90 BRICK L-152x102x10 (LLV) + L-51x51x4.8
3600	FOR EXTERIOR & CAVITY WALL 4-15 CONT. 100x40 STRIPPERS 2-25 CONT. 90 OR 140	3600	90 BRICK L-203x102x13 (LLV) + L-51x51x4.8

- NOTES:**
- MINIMUM END BEARING FOR LINTELS SHALL BE 200mm.
 - CONCRETE FILL SHALL BE $f_c = 25MPa$.
 - PROVIDE TEMPORARY SHORING TO SUPPORT MASONRY OVER OPENINGS UNTIL CONCRETE HAS DEVELOPED FULL STRENGTH.



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IMPERIAL SCALE DRAWING
FIRST FLOOR ELEV. 93.60m

NO.	ISSUED / REVISION	DATE
1	ISSUED FOR PERMIT	2014/04/28
2	REVISION FOR PERMIT	2014/04/10

ALEXANDRA PARK - BLOCK 11
TORONTO, ONTARIO

PROJECT NO: 13015
SCALE: AS NOTED
DRAWN BY: H.W. HOLMAN
REVIEWED BY:
DATE STARTED: MARCH 2014

TYPICAL DETAILS

S-005