

**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	2000	90 BRICK L-102x102x8 + L-51x51x4.8
2400	FOR EXTERIOR & CAVITY WALL 2-15 CONT. 90	2400	90 BRICK L-152x102x8 (LLV) + L-51x51x4.8
3000	FOR EXTERIOR & CAVITY WALL 4-15 CONT. 100x400 STRIPPERS 2-20 CONT. 90	3000	90 BRICK L-152x102x10 (LLV) + L-51x51x4.8
3600	FOR EXTERIOR & CAVITY WALL 4-15 CONT. 100x400 STRIPPERS 2-25 CONT. 90	3600	90 BRICK L-203x102x13 (LLV) + L-51x51x4.8

**NOTES:**

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

**1103 TYPICAL STEEL LINTELS IN NON-LOAD BEARING MASONRY WALLS**

MAX. CLEAR SPAN	200	250	300	315	365
1200	2 <sup>5</sup> - 90x90x8 ① L-90x90x8 ② L-125x90x8 (LLH)	3 <sup>5</sup> - 90x90x8 ① L-100x100x8 ② L-100x100x8 ③ L-90x90x8	3 <sup>5</sup> - 90x90x8 ① L-100x100x8 ② L-100x100x8 ③ L-100x90x8 (LLV)	3 <sup>5</sup> - 90x90x8 ① L-125x90x8 (LLV) ② L-125x90x8 (LLV) ③ L-125x90x8 (LLV)	3 <sup>5</sup> - 150x100x10 (LLV) ① L-150x100x10 (LLV) ② L-150x100x10 (LLV) ③ L-150x100x10 (LLV)
1800	2 <sup>5</sup> - 100x90x8 (LLV) ① L-100x90x8 (LLV) ② L-125x125x8	3 <sup>5</sup> - 100x90x8 (LLV) ① L-100x100x8 (LLV) ② L-100x100x8 ③ L-100x90x8 (LLV)	3 <sup>5</sup> - 100x90x8 (LLV) ① L-100x100x8 (LLV) ② L-100x100x8 (LLV) ③ L-100x90x8 (LLV)	3 <sup>5</sup> - 100x90x8 (LLV) ① L-125x90x8 (LLV) ② L-125x90x8 (LLV) ③ L-125x90x8 (LLV)	3 <sup>5</sup> - 150x100x10 (LLV) ① L-150x100x10 (LLV) ② L-150x100x10 (LLV) ③ L-150x100x10 (LLV)
2400	2 <sup>5</sup> - 125x90x8 (LLV) ① L-125x90x8 (LLV) ② L-125x125x10	3 <sup>5</sup> - 125x90x8 (LLV) ① L-125x90x8 (LLV) ② L-125x90x8 (LLV) ③ L-125x90x8 (LLV)	3 <sup>5</sup> - 125x90x8 (LLV) ① L-125x90x8 (LLV) ② L-125x90x8 (LLV) ③ L-125x90x8 (LLV)	3 <sup>5</sup> - 125x90x8 (LLV) ① L-125x90x8 (LLV) ② L-125x90x8 (LLV) ③ L-125x90x8 (LLV)	3 <sup>5</sup> - 150x100x10 (LLV) ① L-150x100x10 (LLV) ② L-150x100x10 (LLV) ③ L-150x100x10 (LLV)
3000	2 <sup>5</sup> - 125x100x10 (LLV) ① L-150x100x10 (LLV) ② L-150x150x10	3 <sup>5</sup> - 150x100x10 (LLV) ① L-150x100x10 (LLV) ② L-150x100x10 (LLV) ③ L-150x100x10 (LLV)	3 <sup>5</sup> - 150x100x10 (LLV) ① L-150x100x10 (LLV) ② L-150x100x10 (LLV) ③ L-150x100x10 (LLV)	3 <sup>5</sup> - 150x100x10 (LLV) ① L-150x100x10 (LLV) ② L-150x100x10 (LLV) ③ L-150x100x10 (LLV)	3 <sup>5</sup> - 150x100x10 (LLV) ① L-150x100x10 (LLV) ② L-150x100x10 (LLV) ③ L-150x100x10 (LLV)

**NOTES:**

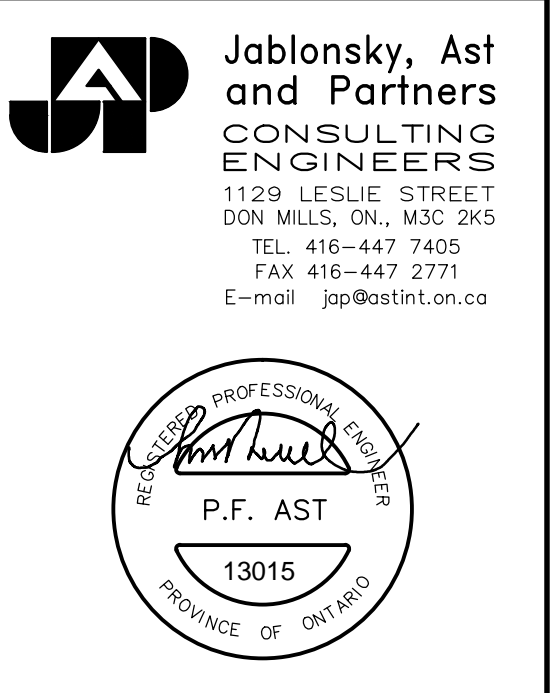
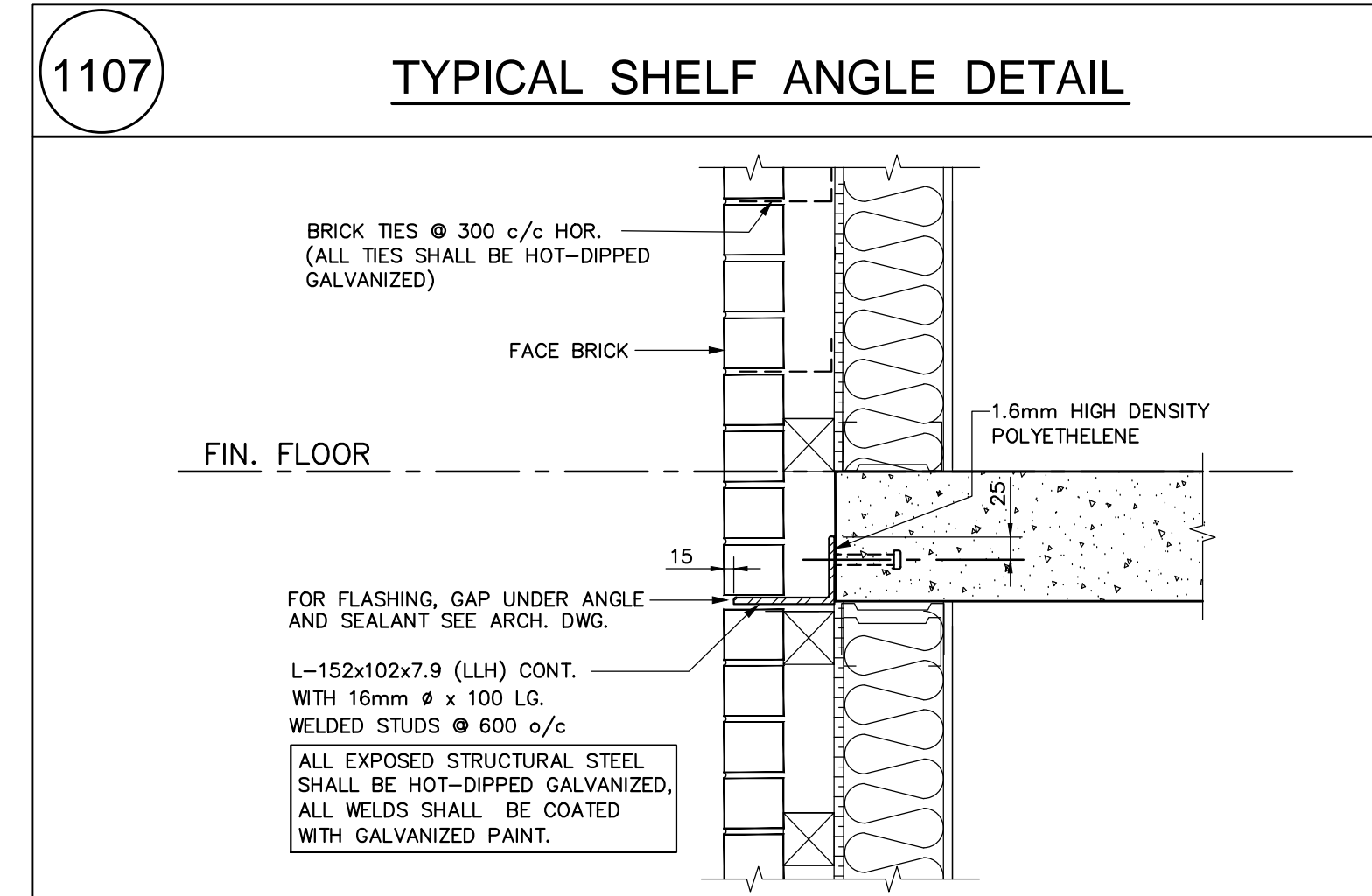
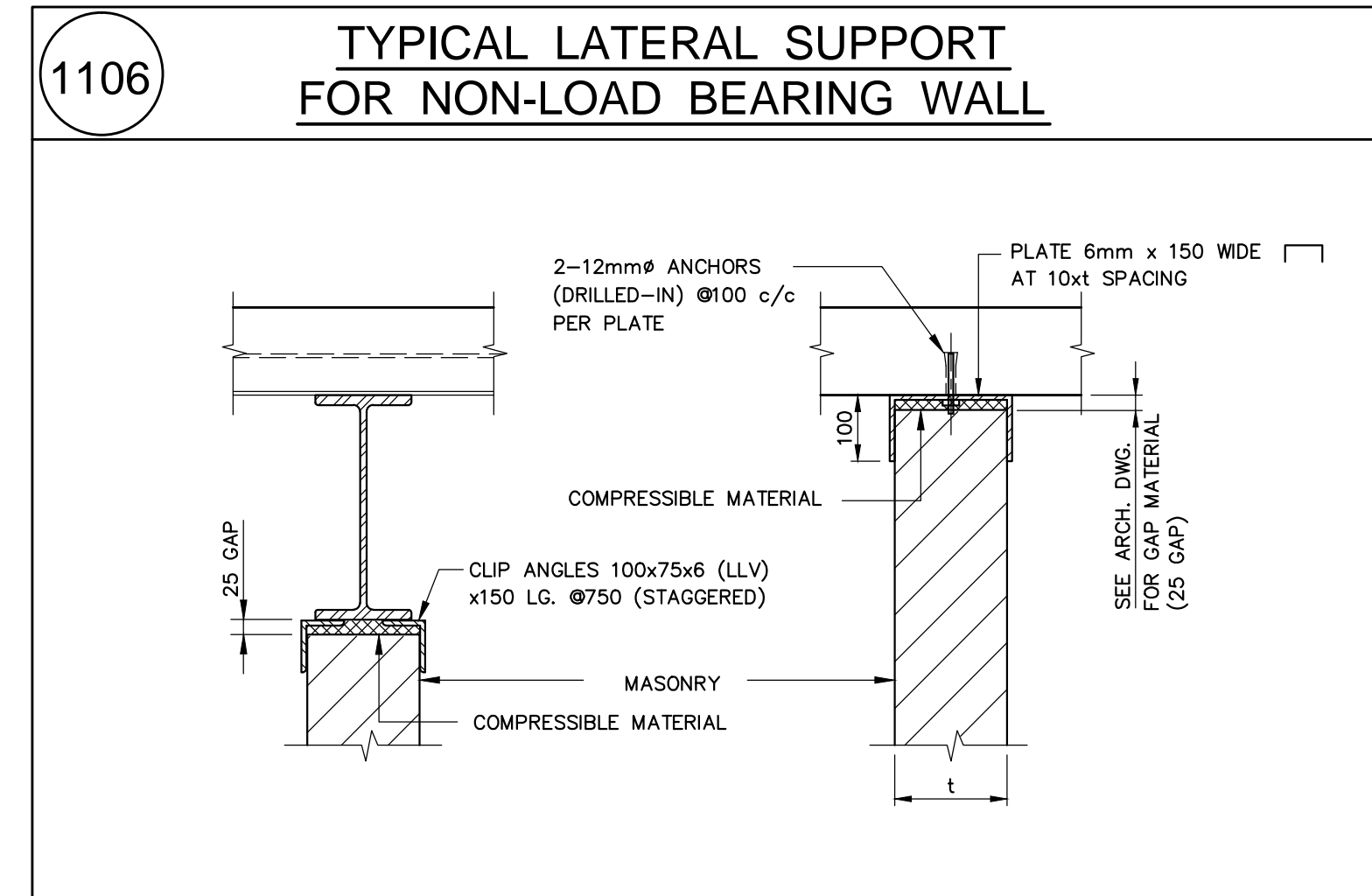
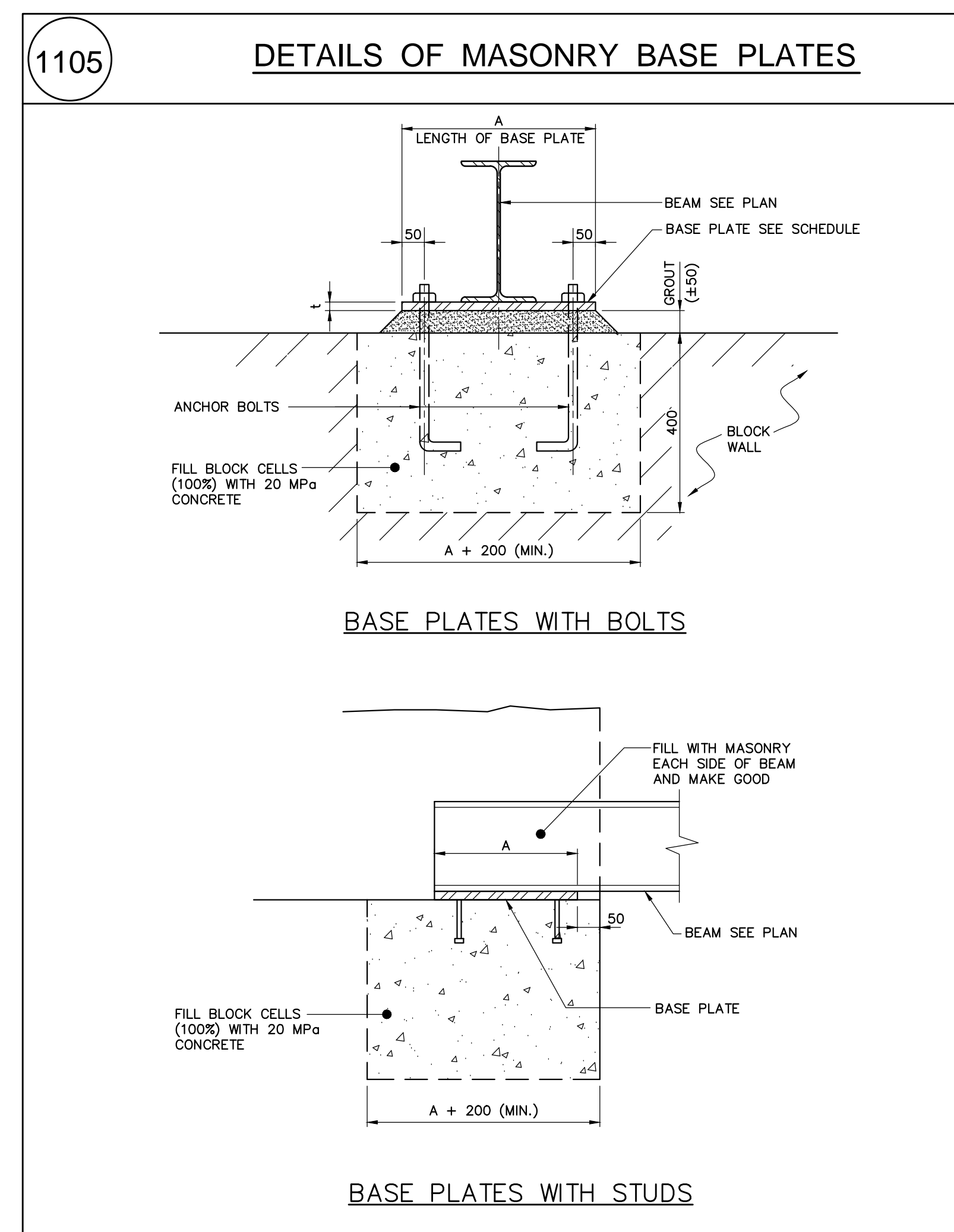
- FOR 150 WALL USE  $\geq$  DF 250 WALL ABOVE.
- MIN. END BEARING FOR LINTELS SHALL BE 150mm.
- BACK TO BACK ANGLES SHALL BE BOLTED OR WELDED TOGETHER WHEN CLEAR SPAN EXCEEDS 1800mm.
- ALL ANGLES SHALL BE HOT-DIPPED GALVANIZED IF EXPOSED TO WEATHER.
- PROVIDE L-90x90x10 WELDED TO STEEL COLUMN OR BOLTED 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 <sup>5</sup> - 51x38x4.8 LLV.	2 <sup>5</sup> - 64x64x6.4	2 <sup>5</sup> - 89x76x6.4 LLV.	1L - 102x76x6.4 LLH. 1L - 127x76x6.4 LLH.	3 <sup>5</sup> - 89x76x6.4 LLH.
1600	2 <sup>5</sup> - 51x38x4.8 (LLV).	2 <sup>5</sup> - 64x64x6.4	2 <sup>5</sup> - 89x76x6.4 LLV.	1L - 102x76x6.4 LLH. 1L - 127x76x6.4 LLH.	3 <sup>5</sup> - 89x76x6.4 LLH.
2000		2 <sup>5</sup> - 89x64x6.4 LLV.	2 <sup>5</sup> - 89x89x6.4	1L - 102x89x7.9 LLH. 1L - 127x76x7.9 LLH.	3 <sup>5</sup> - 89x76x6.4 LLH.
2400		2 <sup>5</sup> - 89x64x9.5 LLV.	2 <sup>5</sup> - 127x89x6.4 LLV.	1L - 152x102x7.9 LLV. 1L - 127x127x7.9	3 <sup>5</sup> - 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.



**IMPERIAL SCALE DRAWING**  
FIRST FLOOR ELEV. 93.60m

no.	issued / revised	date
1	ISSUED FOR PERMIT	2014/03/26
2	REVISSED 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