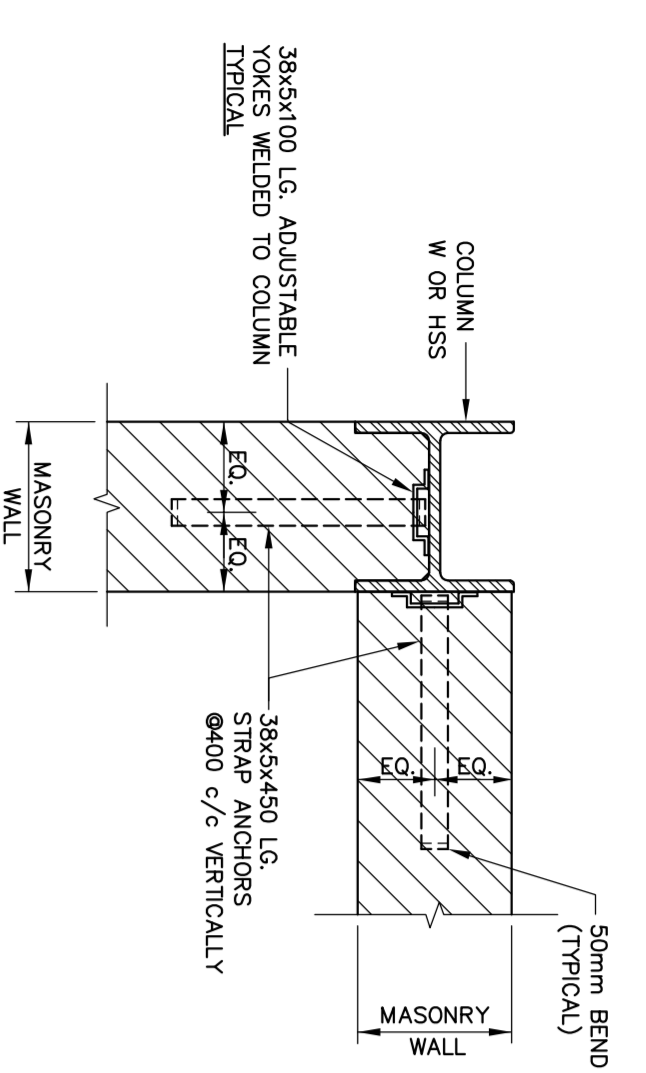


**1100** TYPICAL DETAIL ANCHORAGE OF MASONRY WALL TO STEEL COL.

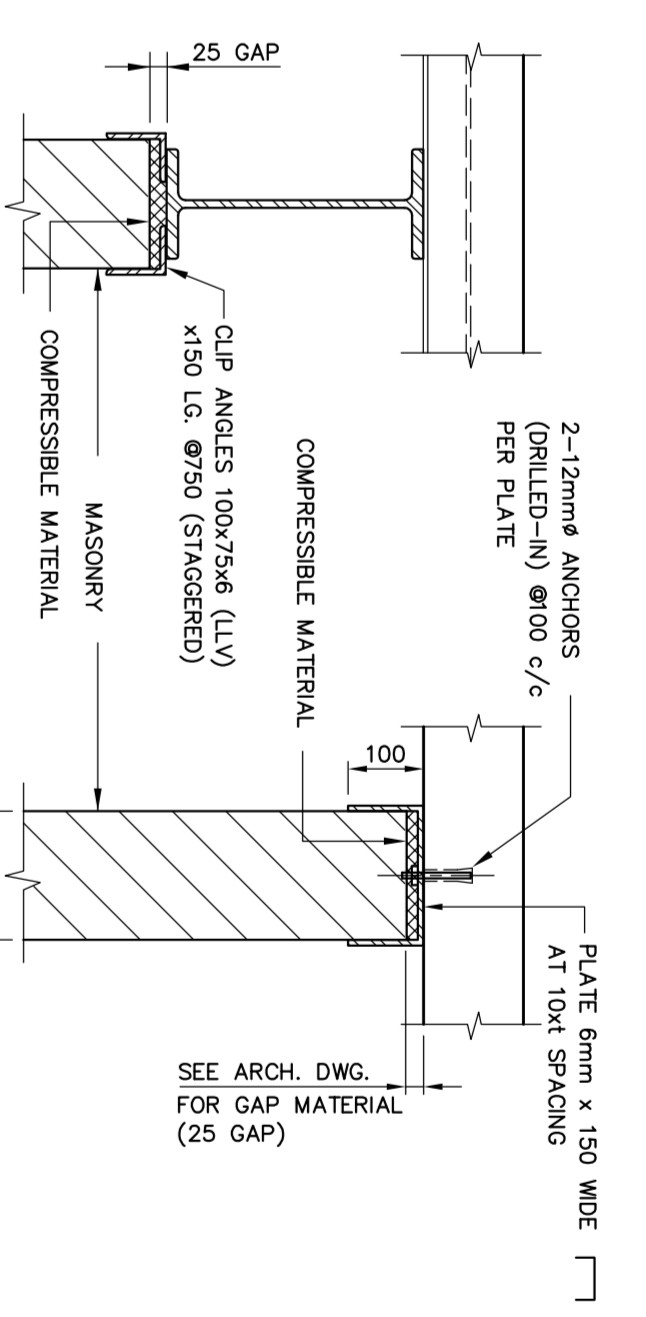


**1103** TYPICAL STEEL LINTELS IN NON-LOAD BEARING MASONRY WALLS

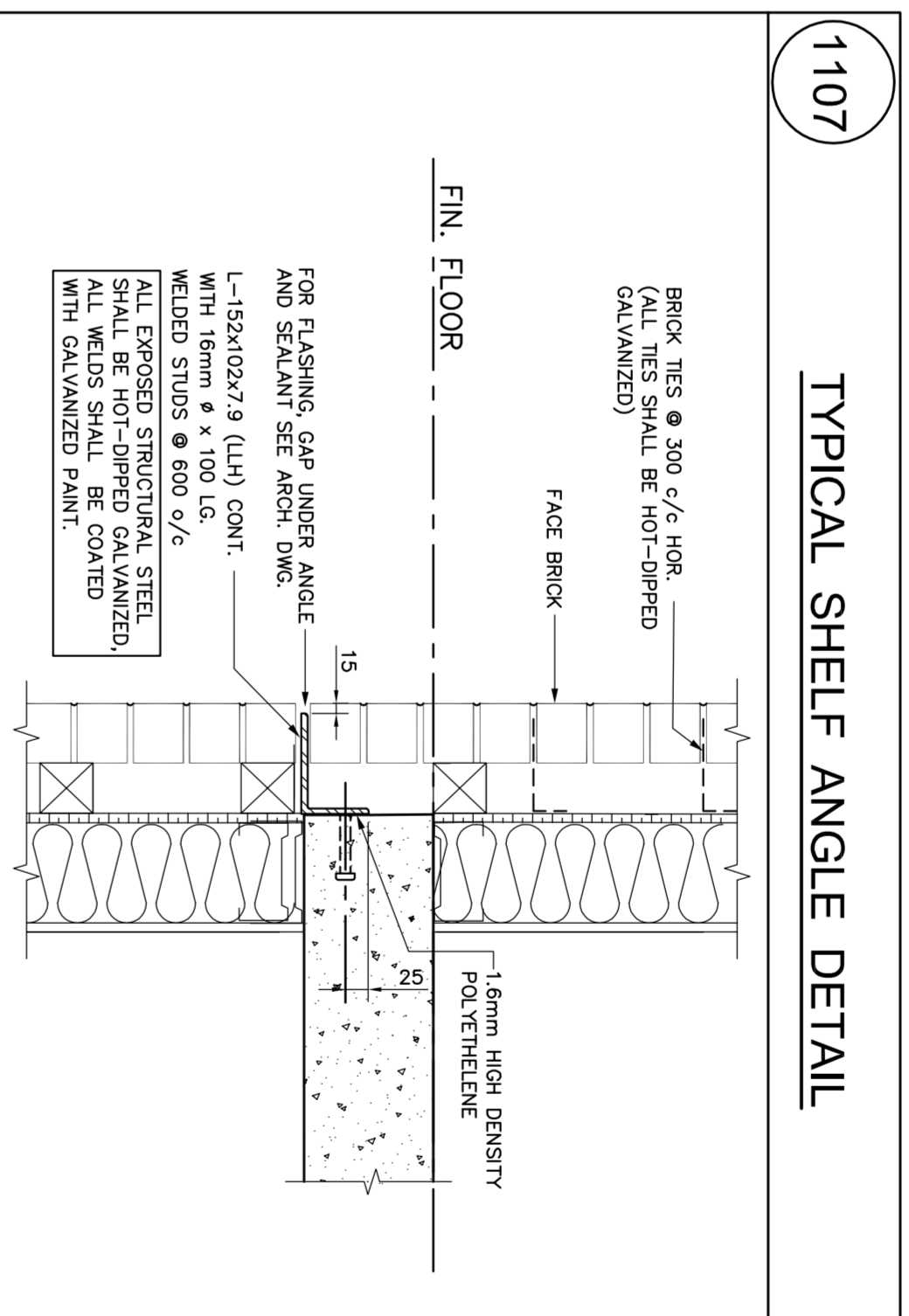
MAX. CLEAR SPAN	200	250	300	315	365
1200	25 - 90x90x8 ① L-90x90x8 ② L-125x90x8 (LLV)	① L-90x90x8 ② L-125x90x8 (LLV)	① L-90x90x8 ② L-125x90x8 (LLV)	① L-100x100x8 ② L-100x100x8 ③ L-90x90x8	① L-100x100x8 ② L-150x100x8 ③ L-100x100x8
1800	25 - 100x90x8 (LLV) ① L-125x90x8 (LLV) ② L-125x125x8	① L-125x90x8 (LLV) ② L-125x125x8	① L-100x90x8 (LLV) ② L-100x100x8 ③ L-90x90x8	① L-100x100x8 ② L-150x100x8 ③ L-100x100x8	① L-100x100x8 ② L-150x100x8 ③ L-100x100x8
2400	25 - 125x90x8 (LLV) ① L-125x90x8 (LLV) ② L-125x125x10	① L-125x90x8 (LLV) ② L-125x125x10	① L-125x90x8 (LLV) ② L-125x90x8 (LLV) ③ L-125x90x8 (LLV)	① L-125x90x8 (LLV) ② L-150x100x8 (LLV) ③ L-125x90x8 (LLV)	① L-125x90x8 (LLV) ② L-150x100x8 (LLV) ③ L-125x90x8 (LLV)
3000	25 - 125x100x10 (LLV) ① L-150x100x10 (LLV) ② L-150x150x10	① L-150x100x10 (LLV) ② L-150x150x10	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)

- NOTES:**
- FOR 150 WALL USE E307 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.
  - STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA C40.21-04, 300W.

**1106** TYPICAL LATERAL SUPPORT FOR NON-LOAD BEARING WALL



**1107** TYPICAL SHELF ANGLE DETAIL



**1102** LINTEL SCHEDULE

MASONRY CLEAR SPAN	BLOCK LINTEL	MASONRY CLEAR SPAN	STEEL LINTEL FOR EXTERIOR WALL
2000	FOR INTERIOR WALL 4-15 CONIT. 10800 STIRRUPS 2-20 CONIT.	1800	90# BRKCK L-102x102x8
2400	FOR INTERIOR WALL 4-15 CONIT. 10800 STIRRUPS 2-20 CONIT.	2000	90# BRKCK L-102x102x8 + L-91x51x4.8
2400	FOR EXTERIOR & CAVITY WALL 4-15 CONIT. 10800 STIRRUPS 2-20 CONIT.	2400	90# BRKCK L-152x102x8 (LLV) + L-91x51x4.8
3000	FOR EXTERIOR & CAVITY WALL 4-15 CONIT. 10800 STIRRUPS 2-20 CONIT.	3000	90# BRKCK L-152x102x10 (LLV) + L-91x51x4.8
3600	FOR EXTERIOR & CAVITY WALL 4-15 CONIT. 10800 STIRRUPS 2-25 CONIT.	3600	90# BRKCK L-203x102x13 (LLV) + L-91x51x4.8

- NOTES:**
- MINIMUM END BEARING FOR LINTELS SHALL BE 200mm.
  - CONCRETE FILL SHALL BE  $f_c = 28$ MPa.
  - PROVIDE TEMPORARY SHORING TO SUPPORT MASONRY OVER ALL ANGLES.
  - PROVIDE 100% STIRRUPS OVER ALL ANGLES.

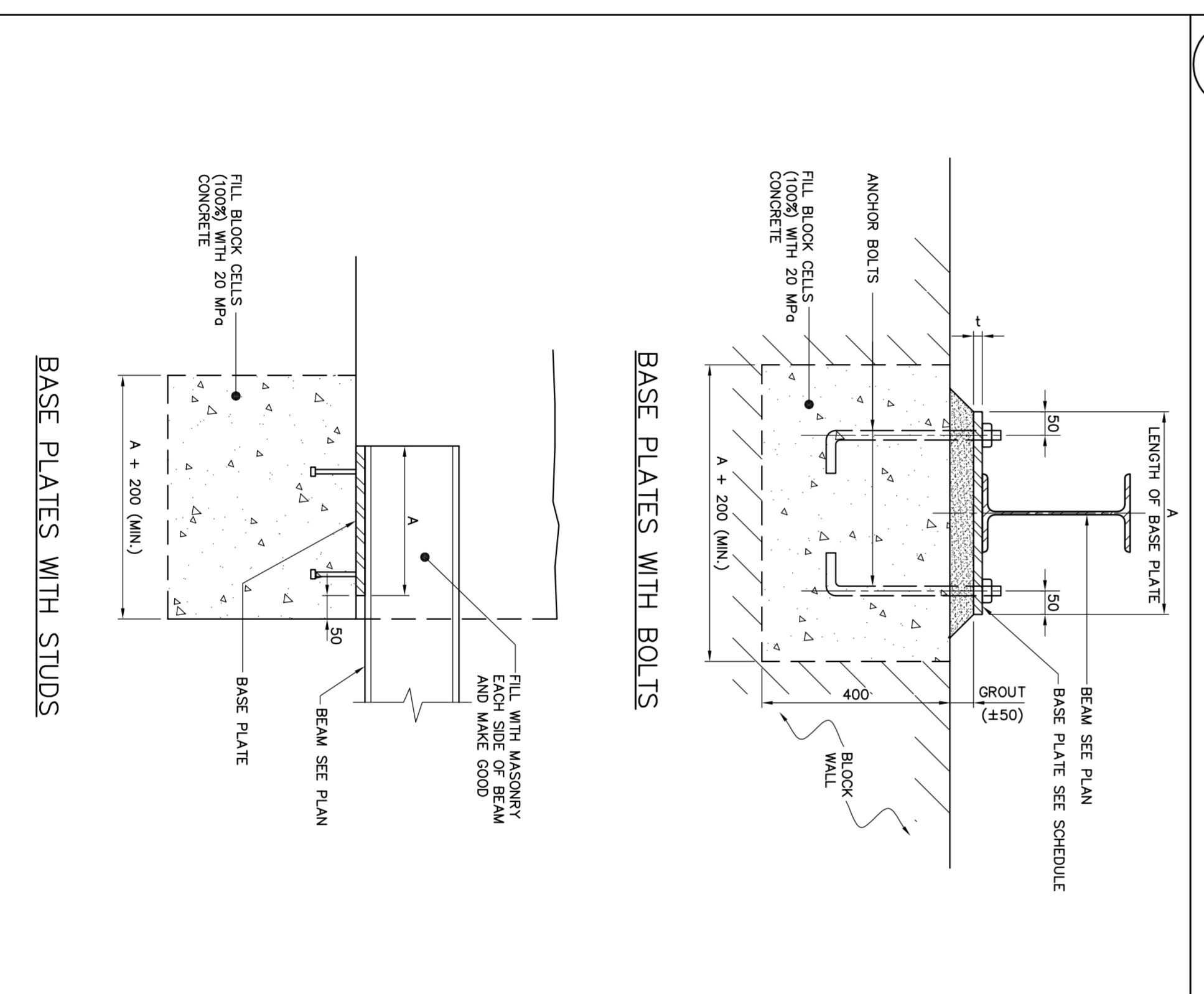
- NOTES:**
- MINIMUM END BEARING FOR LINTELS SHALL BE 150mm.
  - ALL ANGLES SHALL BE HOT-DIPPED GALVANIZED IF EXPOSED TO WEATHER.
  - STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA C40.21-04, 300W.

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

STEEL ANGLES CLEAR SPAN MAX.	250	140	180	240	290
1200	25 - 91x58x4 LLV ① L-91x58x4 ② L-127x76x4 (LLV)	① L-91x58x4 ② L-127x76x4 (LLV)	① L-91x58x4 ② L-127x76x4 (LLV)	① L-102x76x6 (LLV) ② L-127x76x6 (LLV)	① L-91x58x4 ② L-127x76x6 (LLV)
1600	25 - 84x46x4 (LLV) ① L-84x46x4 ② L-127x76x4 (LLV)	① L-84x46x4 ② L-127x76x4 (LLV)	① L-84x46x4 ② L-127x76x4 (LLV)	① L-102x76x6 (LLV) ② L-127x76x6 (LLV)	① L-84x46x4 ② L-127x76x6 (LLV)
2000	25 - 89x46x4 LLV ① L-89x46x4 ② L-127x76x4 (LLV)	① L-89x46x4 ② L-127x76x4 (LLV)	① L-89x46x4 ② L-127x76x4 (LLV)	① L-102x76x6 (LLV) ② L-127x76x6 (LLV)	① L-89x46x4 ② L-127x76x6 (LLV)
2400	25 - 89x46x4 SLV ① L-89x46x4 ② L-127x76x4 (LLV)	① L-89x46x4 ② L-127x76x4 (LLV)	① L-89x46x4 ② L-127x76x4 (LLV)	① L-152x102x7 (LLV) ② L-127x76x7.9	① L-89x46x4 ② L-127x76x6 (LLV)

- NOTES:**
- MINIMUM END BEARING SHALL BE CAN/CSA C40.21-04 300W.
  - MINIMUM BEARING LENGTH FOR LINTELS SHALL BE 150mm.
  - CONNECT ANGLES AT 800 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.
  - ALL ANGLES SHALL BE HOT-DIPPED GALVANIZED IF EXPOSED TO WEATHER.

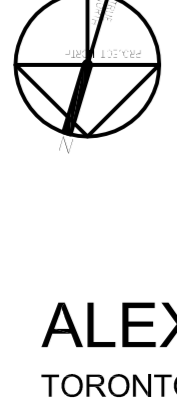
**1105** DETAILS OF MASONRY BASE PLATES



FIRST FLOOR ELEV. 80.00m

NO.	REVISION	DATE
1	ISSUED FOR CONSTRUCTION	2014/03/10
2	REVISED FOR COMMENTS	2014/03/10
3	REVISED FOR COMMENTS	2014/03/10
4	REVISED FOR COMMENTS	2014/03/10
5	REVISED FOR COMMENTS	2014/03/10
6	REVISED FOR COMMENTS	2014/03/10
7	REVISED FOR COMMENTS	2014/03/10

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**ALEXANDRA PARK - BLOCK 11**  
 TORONTO, ONTARIO

DATE: 2014  
 DRAWN BY: A.S. MONT  
 CHECKED BY: H.W.  
 DATE: MARCH 2014