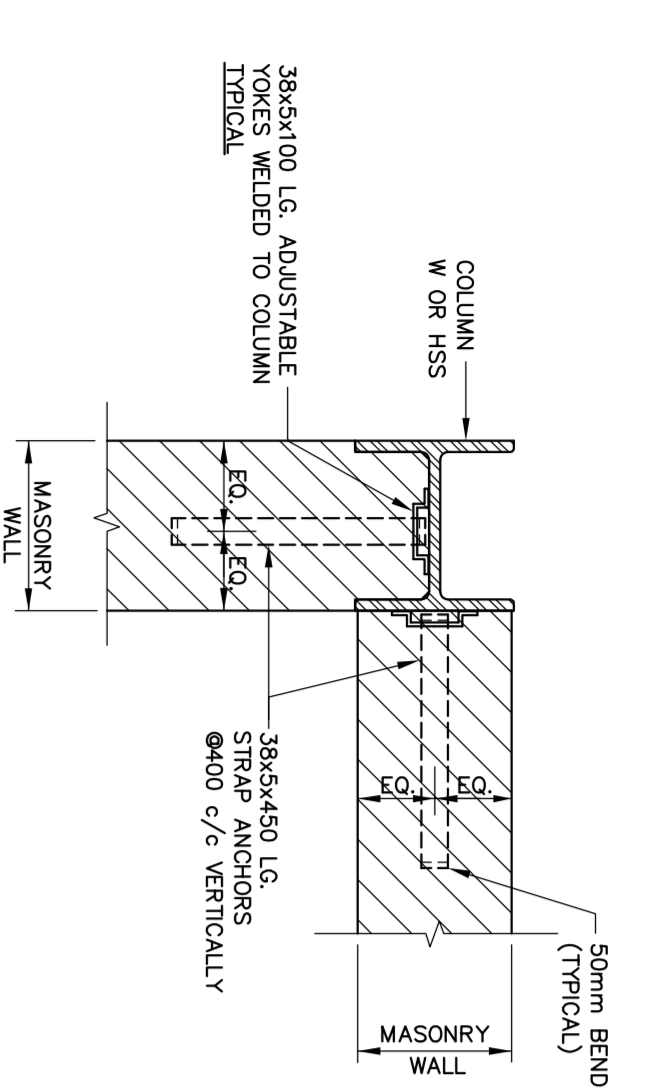


1100 TYPICAL DETAIL ANCHORAGE OF MASONRY WALL TO STEEL COL.

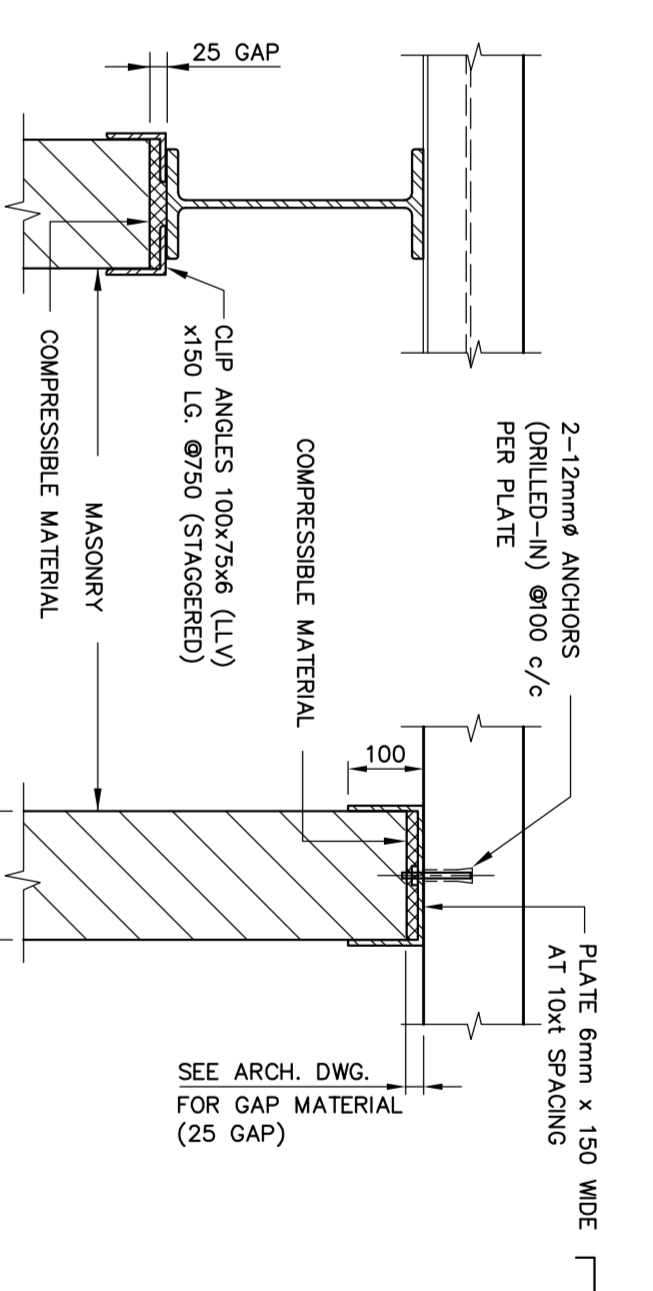


1103 TYPICAL STEEL LINTELS IN NON-LOAD BEARING MASONRY WALLS

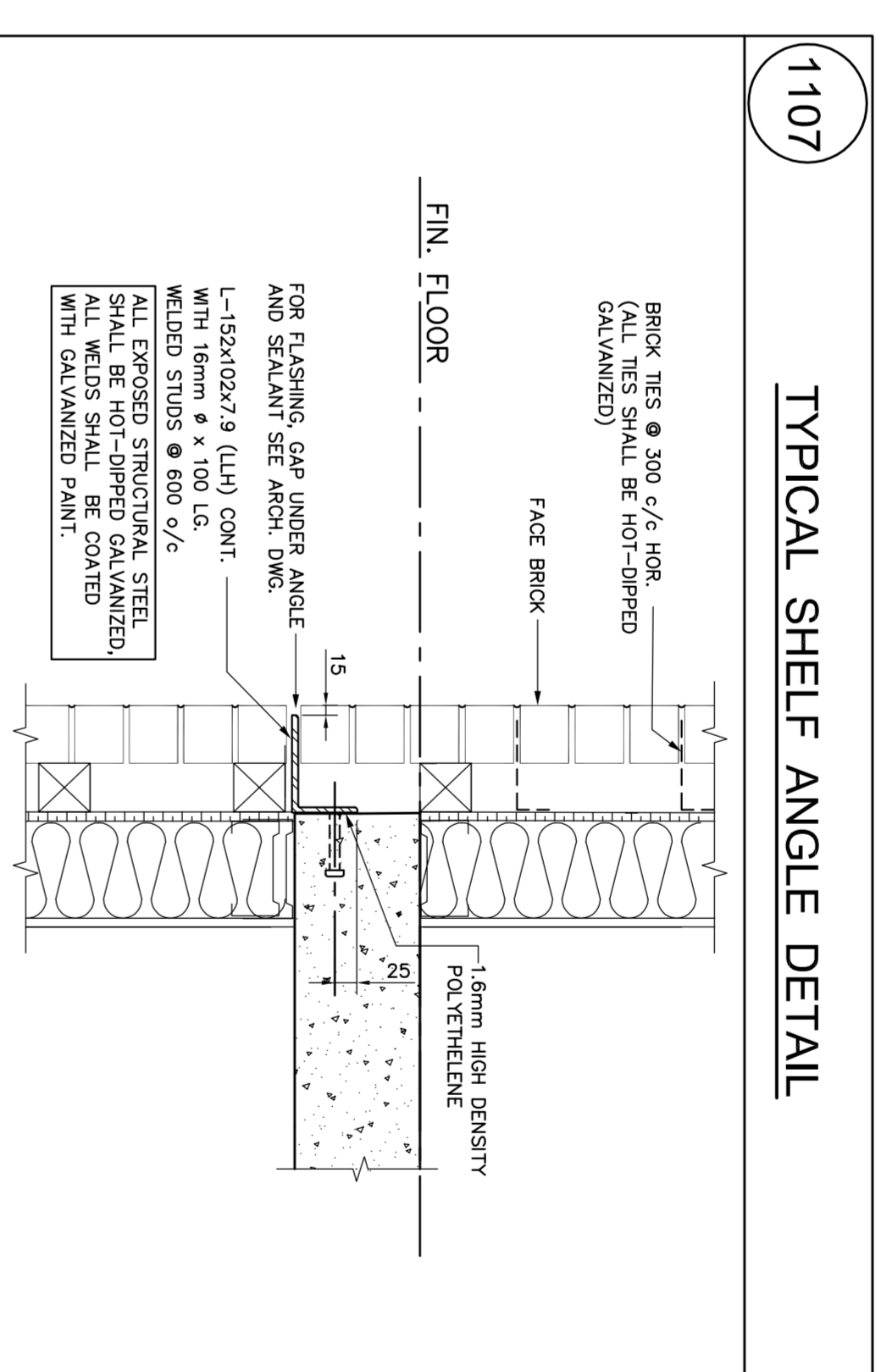
MAX CLEAR SPAN	280	290	300	315	365
1200	2E - 90x90x8 ① L-90x90x8 (LHV) ② L-125x90x8 (LHV)	① L-90x90x8 ② L-125x90x8 (LHV)	① L-90x90x8 ② L-100x90x8 (LHV)	① L-100x100x8 ② L-100x100x8 ③ L-90x90x8	① L-100x100x8 ② L-150x100x8 (LHV) ③ L-90x90x8
1800	2E - 100x90x8 (LHV) ① L-125x90x8 (LHV) ② L-125x125x10	① L-125x90x8 (LHV) ② L-125x125x10	① L-100x90x8 (LHV) ② L-100x100x8 (LHV)	① L-100x100x8 ② L-125x90x8 (LHV) ③ L-125x90x8 (LHV)	① L-100x100x8 ② L-150x100x8 (LHV) ③ L-125x90x8 (LHV)
2400	2E - 125x90x8 (LHV) ① L-150x100x10 (LHV) ② L-150x150x10	① L-125x90x8 (LHV) ② L-150x100x10 (LHV) ③ L-150x150x10	① L-125x90x8 (LHV) ② L-125x90x8 (LHV)	① L-125x90x8 (LHV) ② L-125x90x8 (LHV)	① L-125x90x8 (LHV) ② L-150x100x10 (LHV) ③ L-150x100x10 (LHV)
3000	2E - 125x100x10 (LHV) ① L-150x100x10 (LHV) ② L-150x150x10	① L-150x100x10 (LHV) ② L-150x150x10	① L-150x100x10 (LHV) ② L-150x100x10 (LHV)	① L-150x100x10 (LHV) ② L-150x100x10 (LHV)	① L-150x100x10 (LHV) ② L-150x100x10 (LHV) ③ L-150x100x10 (LHV)

- NOTES:
- FOR 150 WALL USE E30E 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-90x90x8 WELDED TO STEEL COLUMN OR BOLTED TO CONCRETE COLUMN OR WALL.
 - STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA C40.21-04, 300K.

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 1-15 CONIT	1800	L-102x102x8 96x BRKCK
2400	FOR INTERIOR WALL 2-15 CONIT	2000	L-102x102x8 + L-91x51x4.8 96x BRKCK
2400	FOR EXTERIOR & CAVITY WALL 2-15 CONIT	2400	L-152x102x8 (LHV) + L-91x51x4.8 96x BRKCK
2400	FOR EXTERIOR & CAVITY WALL 2-20 CONIT	2400	L-152x102x10 (LHV) + L-91x51x4.8 96x BRKCK
3000	FOR EXTERIOR & CAVITY WALL 4-15 CONIT	3000	L-152x102x10 (LHV) + L-91x51x4.8 96x BRKCK
3600	FOR EXTERIOR & CAVITY WALL 4-15 CONIT	3600	L-203x102x13 (LHV) + L-91x51x4.8 96x BRKCK

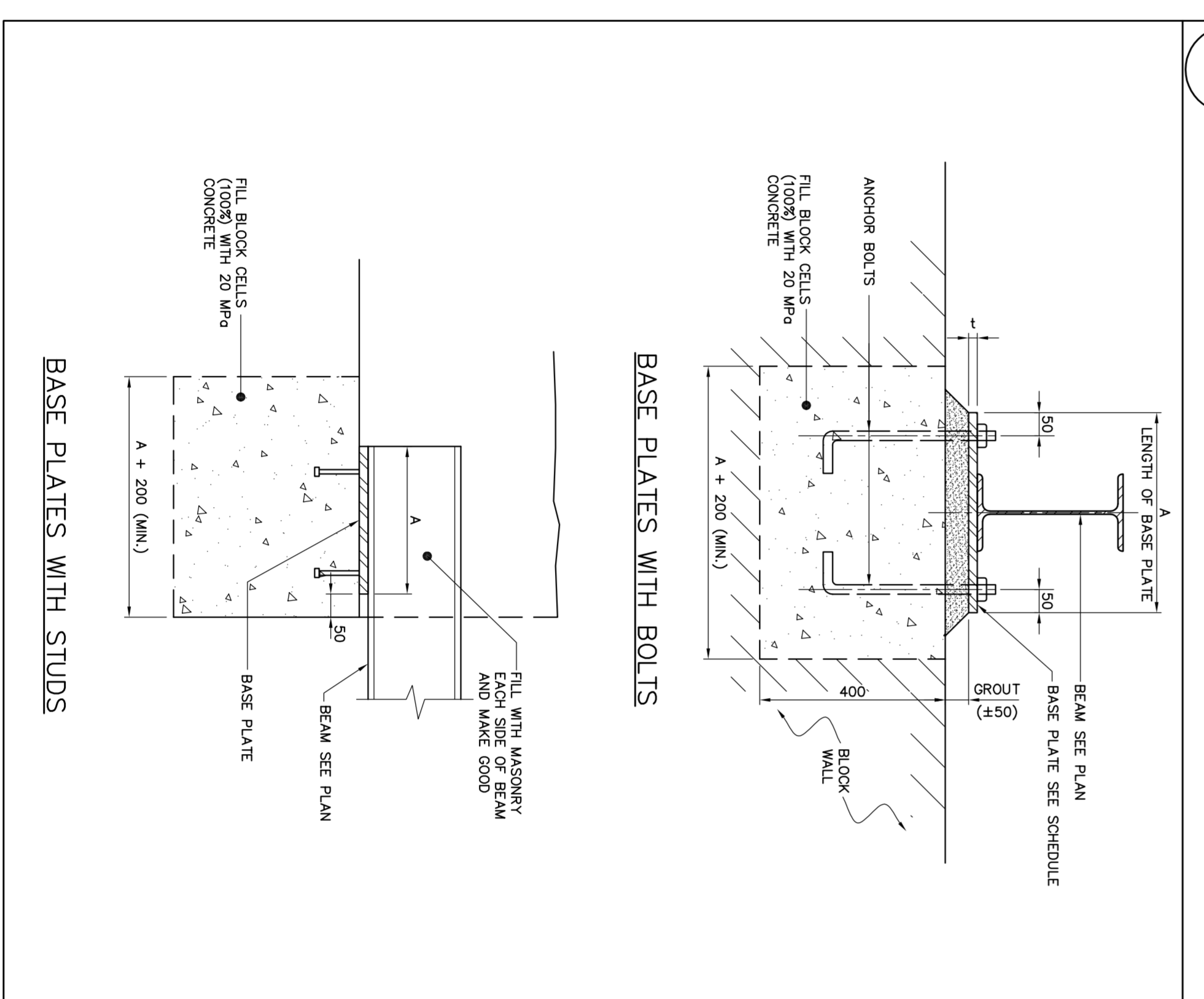
- NOTES:
- MINIMUM END BEARING FOR LINTELS SHALL BE 200mm.
 - CONCRETE FILL SHALL BE $f_c = 28\text{MPa}$.
 - PROVIDE TEMPORARY SHORING TO SUPPORT MASONRY OVER LINTEL.
 - PROVIDE 10000 STIRRUPS OVER LINTEL.

1104 STEEL LINTELS FOR NON-LOAD BEARING WALLS OF HOLLOW CONCRETE BLOCK

STEEL ANGLES CLEAR SPAN MAX	280	140	180	240	290
1200	2E - 91x58x4.8 L.L.V.	2E - 64x46x4.4	2E - 89x76x6.4 L.L.V.	TL - 102x76x6.4 L.L.H. TL - 127x76x6.4 L.L.H.	3E - 89x76x6.4 L.L.H.
1600	2E - 91x58x4.8 L.L.V.	2E - 64x46x4.4	2E - 89x76x6.4 L.L.V.	TL - 102x76x6.4 L.L.H. TL - 127x76x6.4 L.L.H.	3E - 89x76x6.4 L.L.H.
2000		2E - 89x46x4.8 L.L.V.	2E - 89x46x4.8	TL - 102x89x7.9 L.L.H. TL - 127x76x7.9 L.L.H.	3E - 89x76x6.4 L.L.H.
2400		2E - 89x46x4.8 L.L.V.	2E - 127x89x6.4 L.L.V.	TL - 152x102x7.9 L.L.V. TL - 127x127x7.9	3E - 127x89x6.4 L.L.V.

- NOTES:
- MINIMUM END BEARING FOR LINTELS SHALL BE 200mm.
 - MINIMUM END BEARING 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. 89.00mm

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

ALEXANDRA PARK - BLOCK 11
TORONTO, ONTARIO

1101
DATE: 11/11/14
DRAWN BY: J. J. J. J.
CHECKED BY: J. J. J. J.
DATE: 11/11/14

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