

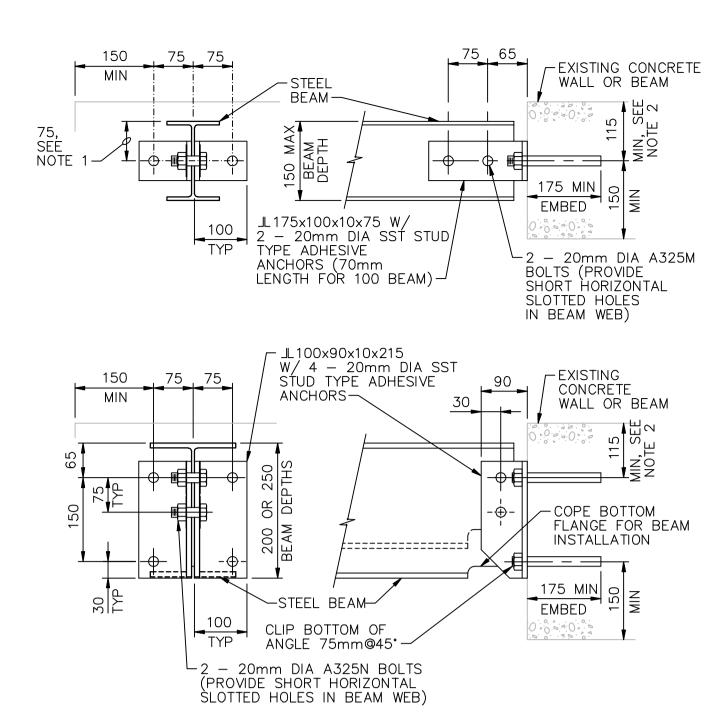
NOMINAL BEAM DEPTH, mm	ROWS OF BOLTS	BOLT DIA, mm	DOUBLE ANGLE, LENGTH, mm	COMMENTS
920	10	22	750	ANGLE THK = 10
840	9	22	675	ANGLE THK = 10
760	8	22	600	ANGLE THK = 10
690	7	20	520	_
610	6	20	445	_
530	5	20	365	_
410-460	4	20	290	_
310-380	3	20	215	_
200-250	2	20	140	_
150	1	20	75	SEE NOTE 3
100	1	20	65	SEE NOTE 3

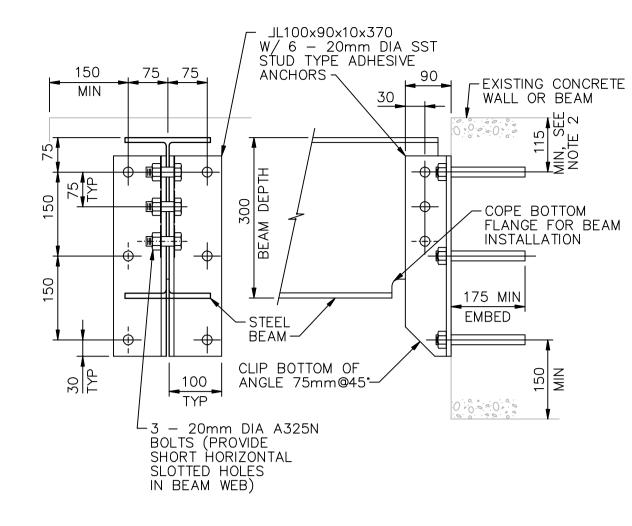
NOTES

- 1. UNLESS NOTED OTHERWISE, NUMBER OF ROWS IS EQUAL TO NUMBER OF BOLTS TO ENCLOSE BEAM WEB.
- 2. ALL BEAM FRAMING CONNECTIONS SHALL CONFORM TO THIS DETAIL UNLESS
- SPECIFICALLY NOTED OTHERWISE OR APPROVED IN WRITING BY THE ENGINEER.

 3. FOR NOMINAL BEAM DEPTHS LESS THAN 200mm, EXTEND LONG LEG OF DOUBLE ANGLE
- ALONG BEAM WEB AND PROVIDE ADDITIONAL BOLT TO ENCLOSE BEAM WEB AS SHOWN.
- 4. PROVIDE ADDITIONAL 40mm LENGTH TO DOUBLE ANGLE FOR STAGGERED BOLT CONNECTIONS WHEN REQUIRED OR USED.
- 5. DIMENSION SHALL BE 75mm UNLESS OTHERWISE REQUIRED FOR PROPER FABRICATION.

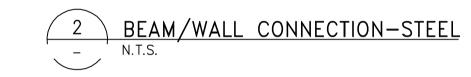




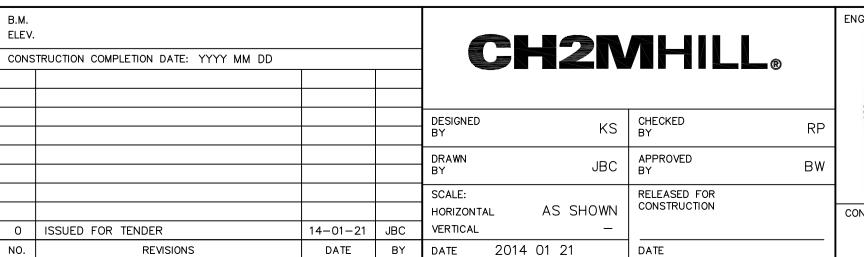


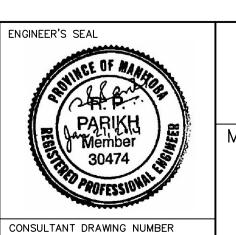
NOTES:

- 1. 75mm DIMENSION TYPICAL EXCEPT 65mm FOR 125mm BEAMS AND 50mm FOR 100mm BEAMS.
- 2. DO NOT CUT EXISTING CONCRETE BEAM TOP REINFORCING DURING DRILL—IN ANCHOR INSTALLATION. FIELD LOCATE BEAM REINFORCING PRIOR TO FABRICATION. ADD LENGTH TO CLIP ANGLES AS REQUIRED TO LOWER ANCHORS TO CLEAR REINFORCING WHILE MAINTAINING SPACING AND EDGE DISTANCE AS SHOWN.
- 3. WHERE BOTH ENDS OF BEAM ARE ATTACHED TO A WALL, PROVIDE LONG HORIZONTALLY SLOTTED HOLES IN BEAM WEB AT ONE END. TIGHTEN NUTS SNUG TIGHT, BACK OFF 1/2 TURN, AND LOCK WITH DOUBLE NUT.









Winnipeg

MEZZANINE, WALE
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THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

ENGINEERING DIVISION

MEZZANINE, WALKWAY AND EQUIPMENT SUPPORTS
FOR A WATER TREATMENT RESEARCH AND
PROCESS OPTIMIZATION FACILITY

SHEET 6 OF 9
CITY DRAWING NUMBER

STRUCTURAL
STANDARD DETAILS
SHEET 1 OF 4

1-0601X-S0004-001-00

BID OPPORTUNITY: 25-2014 FILE CONTRACT NUMBER: X FILE

WX-S0401

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