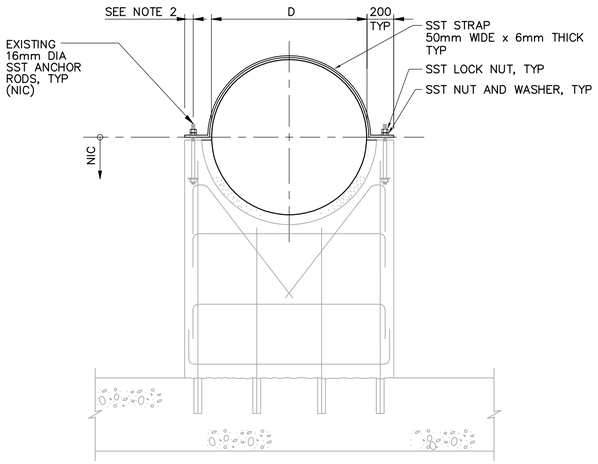
SHEET: COW-A1 (05/2005)



NOTES:

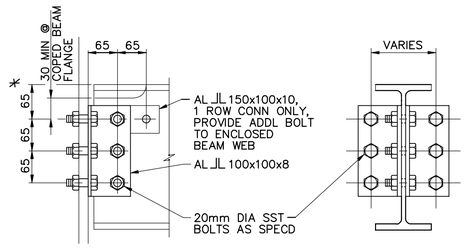
1. COORDINATE DIMENSION D WITH MECHANICAL DRAWINGS.
2. COORDINATE HOLE LOCATION WITH CONTRACT ADMINISTRATOR.

1 STRAP FOR PIPE ON CONCRETE SUPPORT
N.T.S.

ALUMINUM		
NOMINAL BEAM DEPTH, mm	ROWS OF BOLTS	LENGTH OF ANGLE
250	3	190
175–200–225	2	125
125–150	1	75
100	1	70

NOTES:

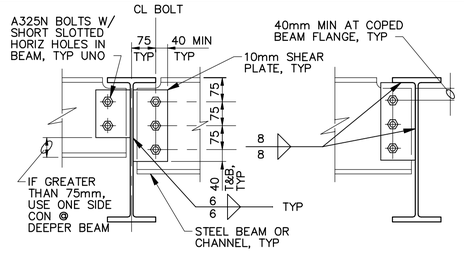
1. NUMBER OF ROWS IS EQUAL TO NUMBER OF BOLTS TO ENCLOSED WEB.
2. ALL FRAMING CONNECTIONS SHALL CONFORM TO SCHEDULE UNLESS DETAILED OTHERWISE ON FRAMING PLANS.



NOTE:

* 65mm DIMENSION TYPICAL EXCEPT 50mm FOR 100mm BEAM.

2 TYPICAL FRAMING CONNECTION – ALUMINUM
N.T.S.



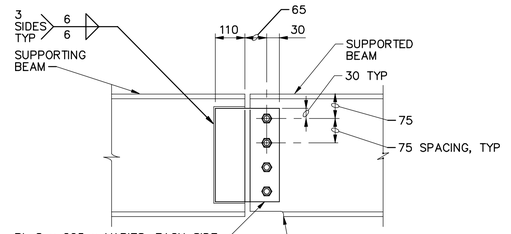
TWO SIDE CONN ONE SIDE CONN

NOMINAL BEAM DEPTH, mm	ROWS OF BOLTS	BOLT DIA, mm	LENGTH OF SHEAR PLATE, mm, SEE NOTE 3
690	8	22	610
610	7	20	530
530	6	20	460
460	5	20	380
410	4	20	300
310–380	3	20	225
200–250	2	20	150

NOTES:

1. NUMBER OF ROWS IS EQUAL TO NUMBER OF BOLTS CONNECTING SHEAR PLATE TO BEAM.
2. THIS DETAIL APPLIES ONLY WHERE SPECIFICALLY SHOWN ON DRAWINGS.
3. AT ONE–SIDE CONNECTIONS, EXTEND TOP OF SHEAR PLATE TO UNDERSIDE OF BEAM TOP FLANGE AS SHOWN.
4. (*) INDICATES 75mm DIMENSION IS TYPICAL UNO

3 BEAM SINGLE PLATE SHEAR CONNECTION
N.T.S.

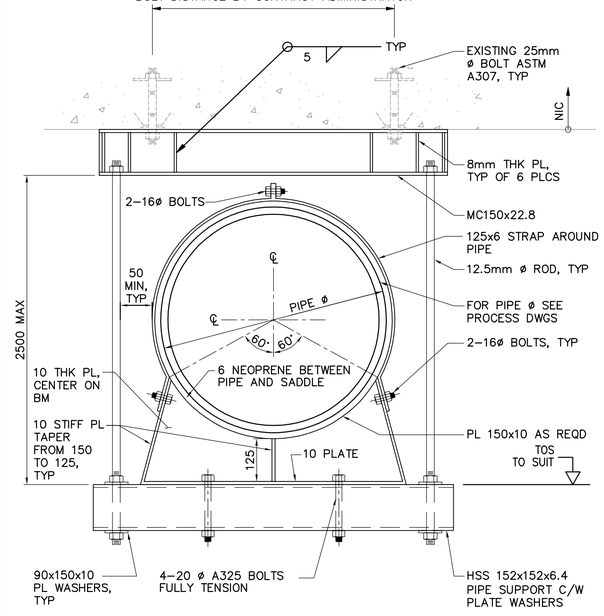


(LENGTH OF PLATE IS SAME AS LENGTH OF ANGLES IN TABLE)

NOTE:

PROVIDE SHIM PLATES AS REQUIRED.

4 BEAM SPLICE
N.T.S.



8 PIPE HANGER
N.T.S.

Certificate of Authorization
CH2M HILL Canada Ltd.
No. 1441 Expiry: April 30, 2006

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
00	742–2005 ADDENDUM 1	06/04/21	DK

CH2MHILL
Fredericksen Cooper ARCHITECTS
EarthTech A Tyco International Ltd. Company

DESIGNED BY	DK	CHECKED BY	AP
DRAWN BY	CA	APPROVED BY	AHL
SCALE:	NTS	RELEASED FOR CONSTRUCTION BY:	R. SOROKOWSKI
DATE	2006/02/09	DATE	2006/04/21

ENGINEER'S SEAL
ORIGINAL SIGNED BY
D. KRUGER
2006/04/21

CONSULTANT DRAWING NO.
WB–S7456

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

WATER TREATMENT PLANT
MAIN BUILDING
MECHANICAL AND ELECTRICAL

STRUCTURAL

STANDARD DETAILS

CITY FILE NUMBER
SHEET OF
CITY DRAWING NUMBER
1–0601B–A–S7456–001–00D

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