

FBJ0104.S01 - THIS SHEET ISSUED 01-04.

CONCRETE PLACEMENT

5y1

5x2

FLOW LINE

N

1

5y2

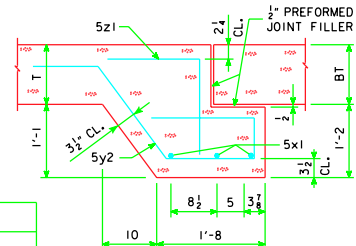
5z1

PART ELEVATION - CHUTE BELL JT.

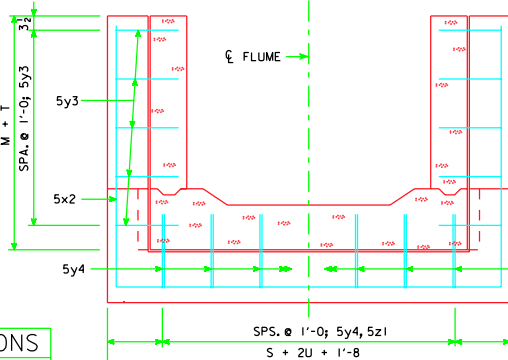
PART ELEVATION - CHUTE BELL JT.



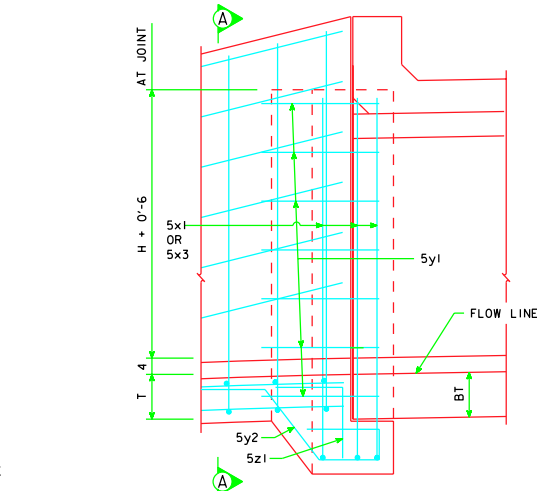
JUNCTION WALLS



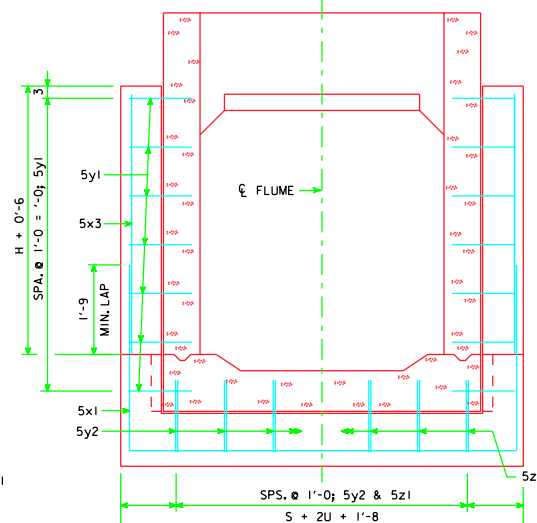
JUNCTION FOOTING



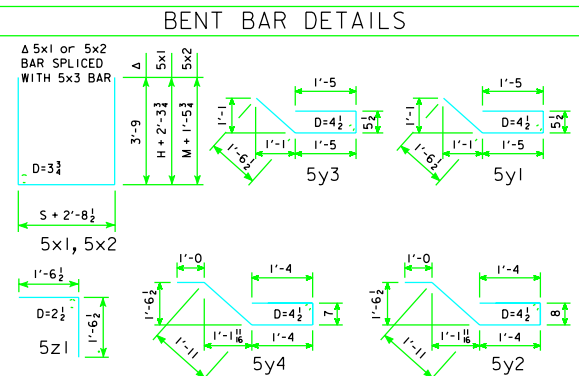
SECTION B-B



PART ELEV. - JUNCTION BELL JT.



SECTION A-A



NOTE: ALL DIMENSIONS ARE OUT TO OUT.
D = PIN DIAMETER

BARREL & CHUTE DIMENSIONS					
S x H	M	T	U	BT	BU
3' x 3'	2'-3	11	9	10	9
4' x 4'	3'-0	11	9	10	9
5' x 3'	2'-3	11	9	10	9
5' x 4'	3'-0	11	9	10	9
5' x 5'	3'-9	11	9	10	9
5' x 6'	4'-6	11	9	10	9

NOTES:

1. DIMENSIONS AND QUANTITIES SHOWN BASED ON 'U' FLUME WALLS, 'BU' BARREL WALLS, 'T' FLUME FLOOR AND 'BT' BARREL FLOOR THICKNESSES.
2. CHANGE LENGTHS OF BARS 5x1 AND ADJUST REINFORCING STEEL AND CONCRETE QUANTITIES ACCORDINGLY OTHER THAN WALL AND FLOOR THICKNESSES SHOWN.
3. FLOOR BARS m1 ARE TO BE SHORTENED 6" AT BELL JOINTS.
4. SEE STANDARD SHEET RCF-01-04 FOR GENERAL INFORMATION.

LATEST REVISION DATE :

05-09
 Norman L. McQuill
 APPROVED BY :

STANDARD DESIGN
FLUME BELL JOINTS
FOR
REINFORCED CONCRETE FLUMES - 3', 4' & 5' SPANS

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
JANUARY, 2004

FR-1-01-04