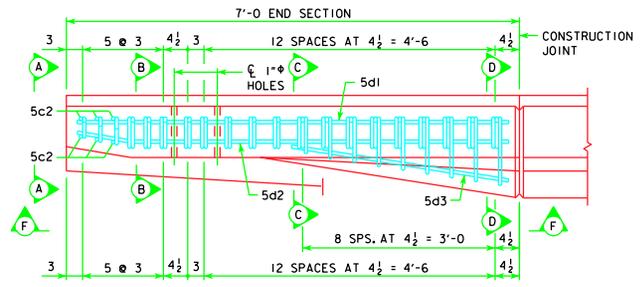
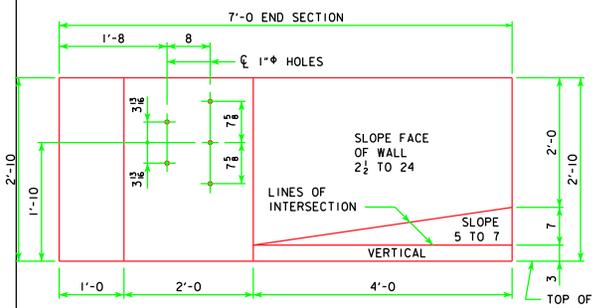


PART PLAN VIEW

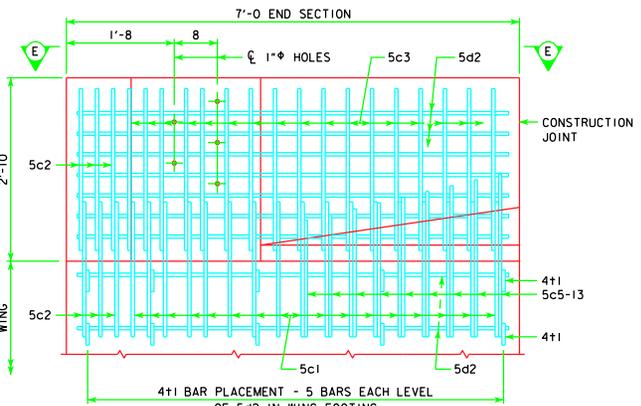


PART VIEW E-E

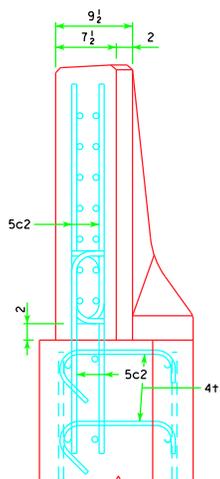


PART ELEVATION VIEW

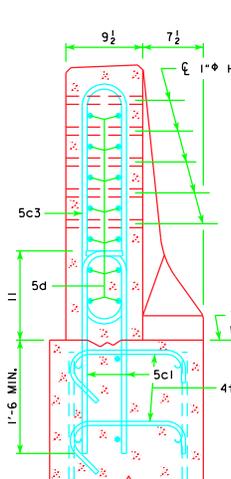
PROVIDE 5 HOLES FORMED WITH 1" PLASTIC CONDUIT. COST TO BE INCLUDED IN PRICE BID FOR CONCRETE BARRIER RAILING.



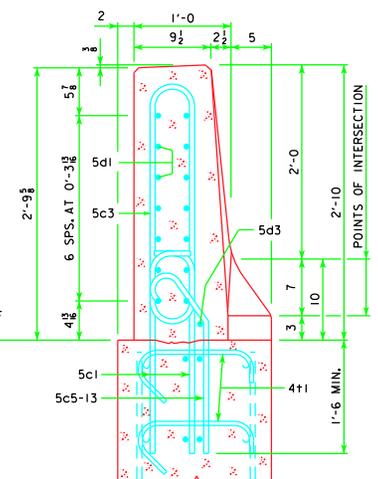
PART VIEW F-F



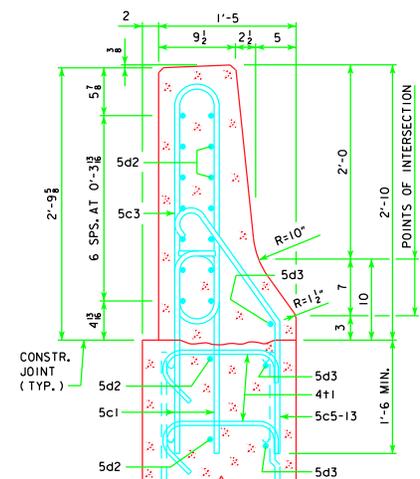
VIEW A-A



SECTION B-B



SECTION C-C



SECTION D-D

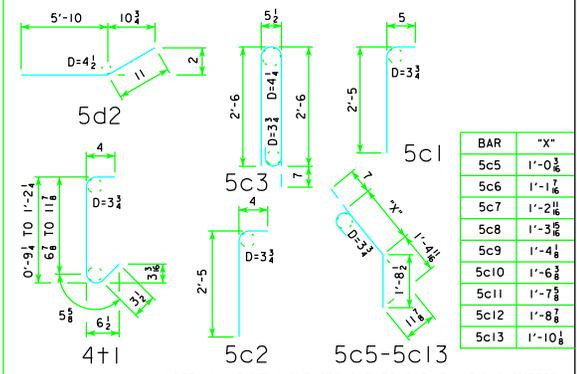
REINFORCING STEEL - ONE END SECTION

BAR	LOCATION	SHAPE	NO.	LENGTH	WEIGHT	
5c1	VERTICAL, RAIL TO WING FOOTING		34	2'-10	100	
5c2	VERTICAL AT NOSE, RAIL TO WING FOOTING		12	2'-9	34	
5c3	VERTICAL		17	6'-1	108	
5c5-13	VERTICAL		9	VARIES	34	
5d1	HORIZONTAL		7	6'-8	49	
5d2	HORIZONTAL		9	6'-9	63	
5d3	HORIZONTAL		3	3'-5	11	
4+1	WING FOOTING TIE BARS		10	VARIES	13	
(INCLUDE WITH BARRIER RAIL REINFORCING)					TOTAL WEIGHT (LBS.)	412

CONCRETE PLACEMENT SUMMARY

SECTION	TOTAL
BARRIER RAIL ONE END SECTION	0.62 CU. YD.

BENT BAR DETAILS



BAR	"X"
5c5	1'-0 1/2
5c6	1'-1 1/8
5c7	1'-2 1/8
5c8	1'-3 1/8
5c9	1'-4 1/8
5c10	1'-6 1/8
5c11	1'-7 1/8
5c12	1'-8 1/8
5c13	1'-10 1/8

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

NOTES:

CONSTRUCTION JOINT BETWEEN TOP OF WING AND BARRIER IS ROUGHENED CONCRETE.

THE 10" RADIUS AND 1 1/2" RADIUS ARE TYPICAL AND SHALL BE USED WHEN CONSTRUCTING THE CORNERS FOR VIEW A-A, SECTION B-B, SECTION C-C AND SECTION D-D.

THE 5c1, 6 - 5c2, 5c5-13, 2 - 5d2 AND 2 - 5d3 BARS ARE TO BE PLACED WITH THE ABUTMENT WING FOOTING. THE DETAILS FOR PLACEMENT ARE SHOWN ON THE LONGITUDINAL SECTION SHEET.

DASHED LINES BELOW THE TOP OF WING ARE THE ABUTMENT WING REINFORCING STEEL. SEE LONGITUDINAL SECTION SHEETS FOR PLACEMENT.

LATEST REVISION DATE :

APPROVED BY
Thomas M. Smith

STANDARD DESIGN - 30' ROADWAY, SINGLE SPAN BRIDGE
PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES
 JANUARY, 2005 H20-44 LOADING
 IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
BARRIER RAIL DETAILS H30S1-35-05
 SHEET 2 OF 3