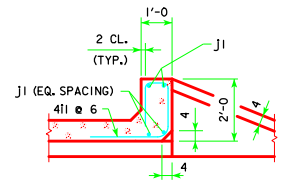
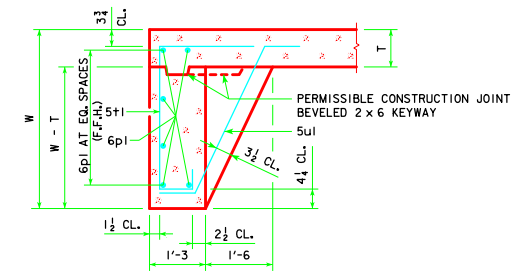


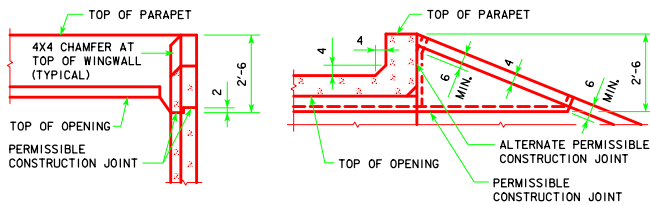
ENGLISH\RD\DESIGN\INGLE\CVLVERTS.DGN - PWH 15-2-12 - THIS SHEET ISSUED 04-12.



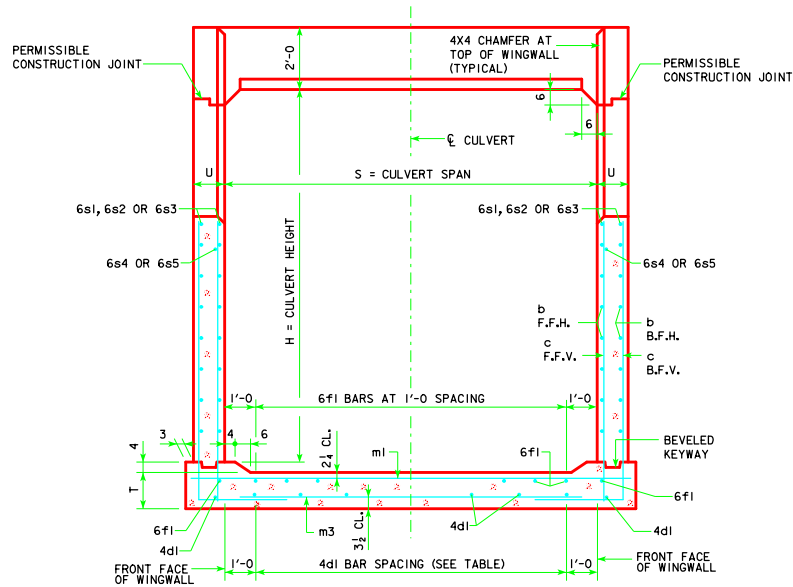
SECTION THRU PARAPET



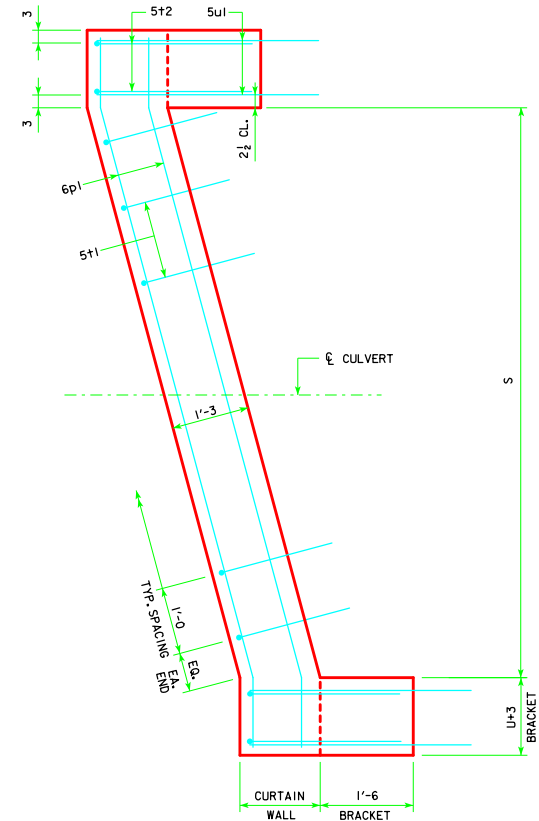
SECTION THRU CURTAIN WALL



TOP OF WINGWALL DETAILS



TYPICAL CROSS SECTION - THRU HEADWALL



CURTAIN WALL DETAIL

APRON IS NOT SHOWN

**NOTES:**

- SEE DRAWING RCB-G1-12 AND RCB-G2-12 FOR GENERAL NOTES, SPECIFICATIONS, AND DESIGN STRESSES.
- FOR DIMENSION TABLE SEE DRAWING PWH 15-1-12.

**4d1 BAR SPACING**

SPAN	SPACING	NO. OF BARS
5'-0"	2 SPA. AT 1'-6"	5
6'-0"	3 SPA. AT 1'-4"	6
8'-0"	4 SPA. AT 1'-6"	7
10'-0"	6 SPA. AT 1'-4"	9
12'-0"	8 SPA. AT 1'-3"	11

LATEST REVISION DATE  
*Norman E. M. Donnell*  
 APPROVED BY BRIDGE ENGINEER

**Iowa Department of Transportation**  
 Highway Division

STANDARD DESIGN - SINGLE REINFORCED CONCRETE BOX CULVERTS

**PARALLEL WING HEADWALLS**

APRIL, 2012

**CROSS SECTION DETAILS**  
 15° SKEW

PWH 15-2-12