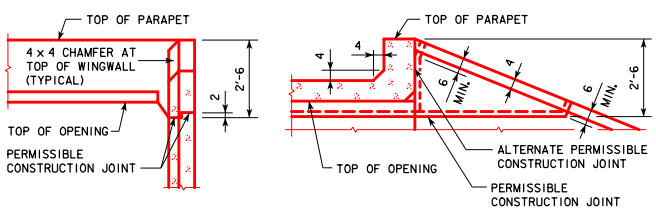
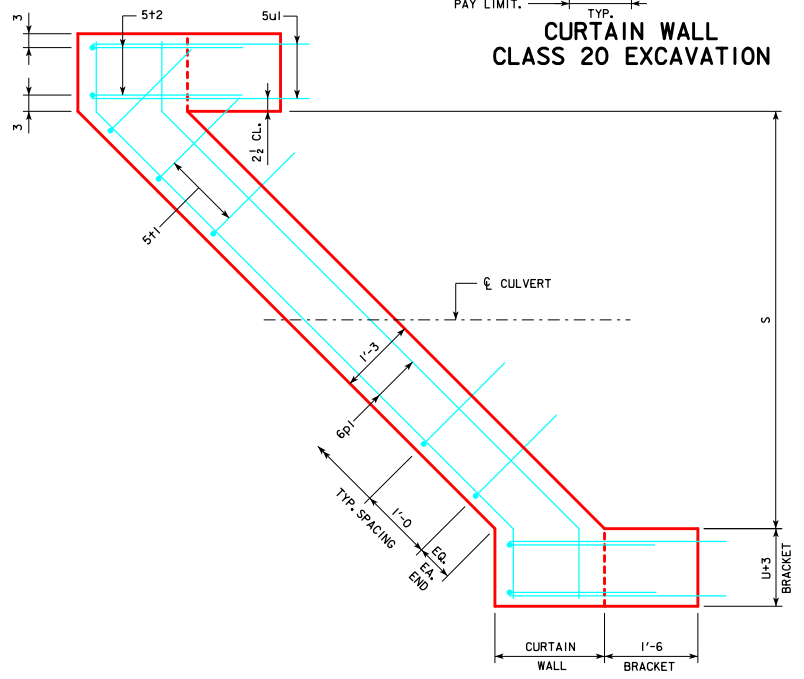
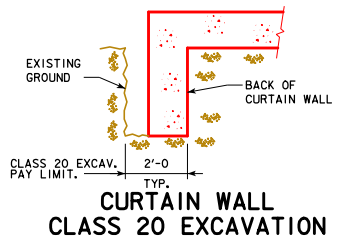
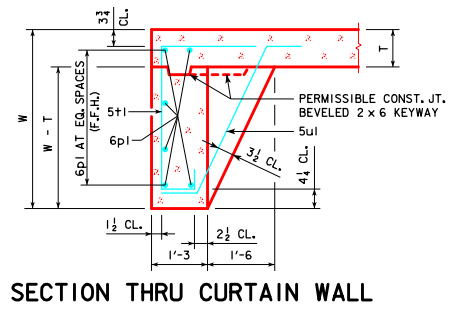
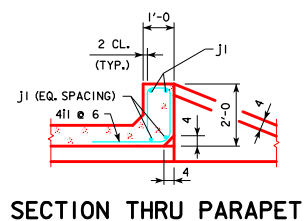
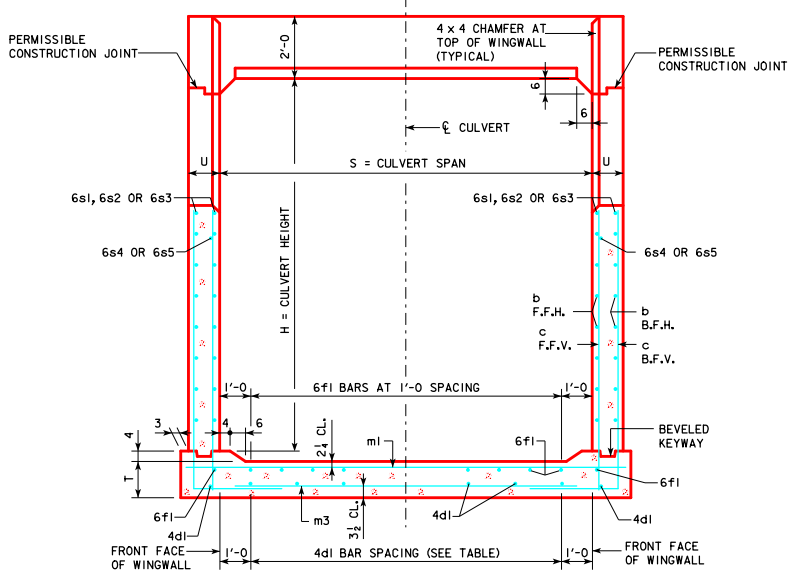


REVISED 12-2016: ADDED CURTAIN WALL CLASS 20 EXCAVATION DETAIL.
 REVISED 2-2017: ADDED CONCRETE CURTAIN WALL (RCB-G1, RCB-G2),
 ENGLISH/RFDS (INDUSTRIAL/CULVERTS.DGN - PWH 45-2-12 - THIS SHEET ISSUED 04-12.



TOP OF WINGWALL DETAILS



TYPICAL CROSS SECTION - THRU HEADWALL

4dI 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

NOTES:

- SEE DRAWING RCB-G1-12 AND RCB-G2-12 FOR GENERAL NOTES, SPECIFICATIONS, AND DESIGN STRESSES.
- FOR DIMENSION TABLE SEE DRAWING PWH 45-1-12.

02-2017 LATEST REVISION DATE <i>Thomas E. McQuinn</i> APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - SINGLE REINFORCED CONCRETE BOX CULVERTS PARALLEL WING HEADWALLS APRIL, 2012
	CROSS SECTION DETAILS 45° SKEW PWH 45-2-12