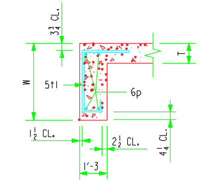
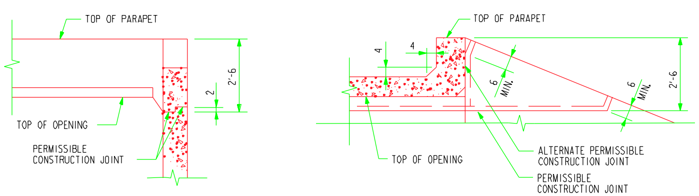
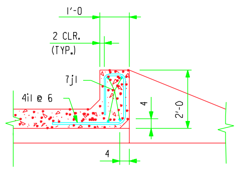


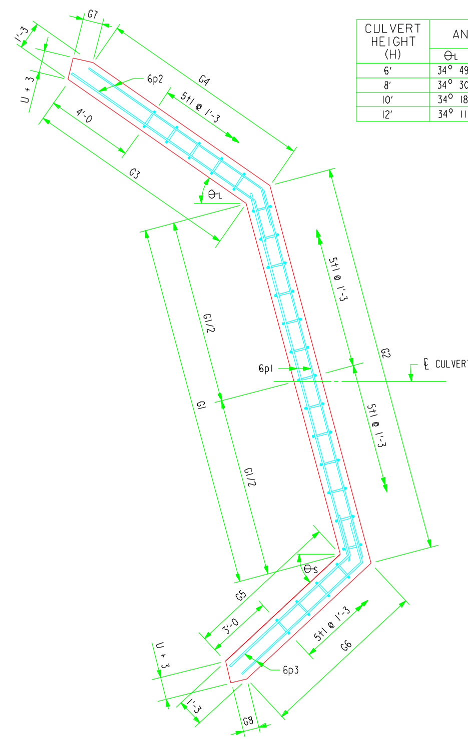
SECTION THRU CURTAIN WALL



TOP OF WINGWALL DETAILS

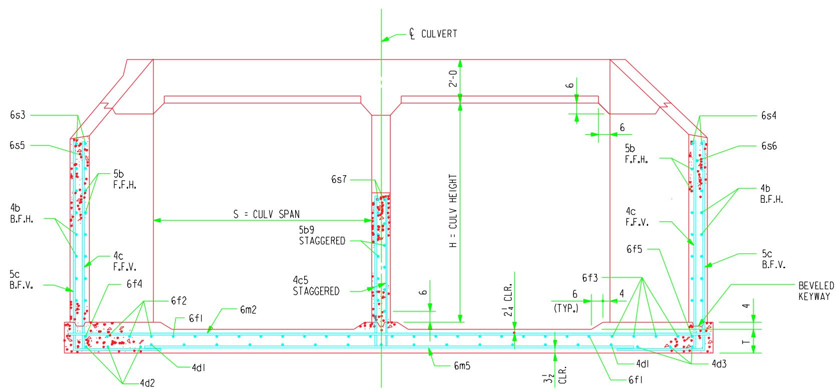


SECTION THRU PARAPET



CURTAIN WALL DETAIL

CULVERT HEIGHT (H)	ANGLE	
	θL	θS
6'	34° 49'	43° 22'
8'	34° 30'	42° 47'
10'	34° 18'	42° 25'
12'	34° 11'	42° 11'



TYPICAL SECTION - NEAR CENTER OF APRON

NOTES:

1. SEE DRAWING TWRCB-G1-87 FOR GENERAL INFORMATION, SPECIFICATIONS, AND DESIGN STRESSES.
2. FOR DIMENSION TABLE SEE DRAWING TWH 15-1-87.

LATEST REVISION DATE : 1-1-98

APPROVED BY : [signature]

STANDARD DESIGN

FLARED WING HEADWALLS

FOR

TWIN REINFORCED CONCRETE BOX CULVERTS

HIGHWAY DIVISION

IOWA DEPARTMENT OF TRANSPORTATION

JULY , 1987

TWH 15-3-87

REVISED 1/98; CLEAR DISTANCE TO 4i1 BAR CHANGED.
REVISED 12/96; NOTE CORRECTED, KEYWAY NOTATION CHANGED.
TWH153.S01

XXXXXXXXXXSYSTEMTIME XXXXXXXUSERNAME XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXDGNSPEC