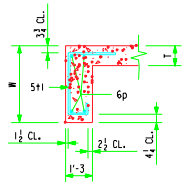
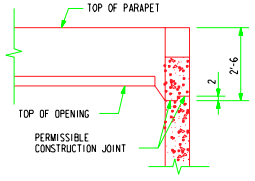
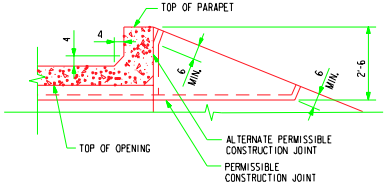
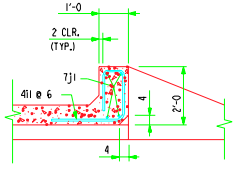


SECTION THRU CURTAIN WALL

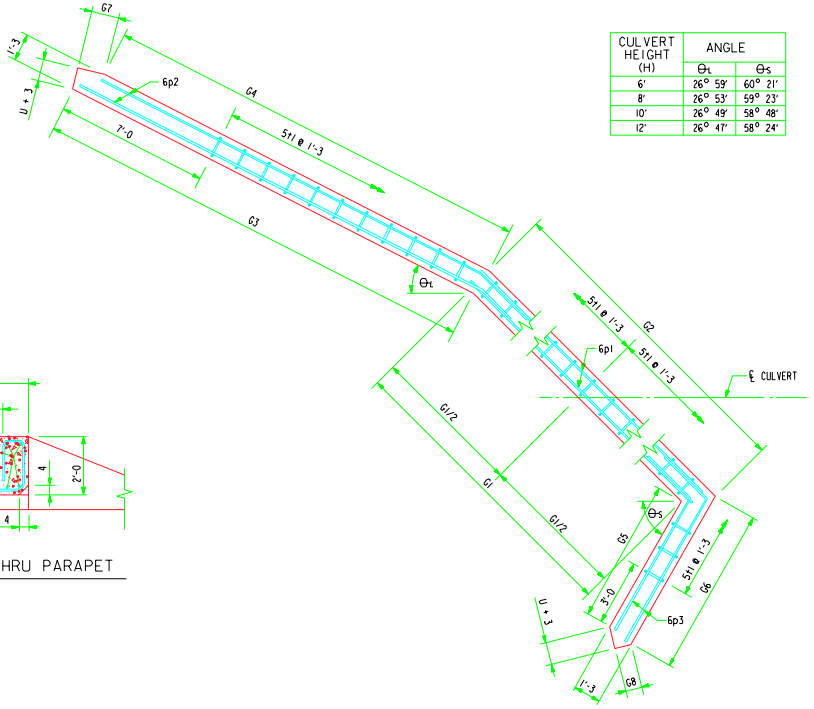




TOP OF WINGWALL DETAILS

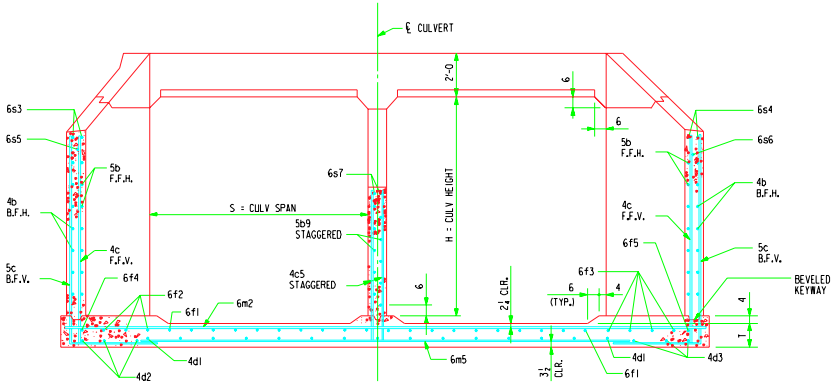


SECTION THRU PARAPET



CULVERT HEIGHT (H)	ANGLE	
	θL	θS
6'	26° 59'	60° 21'
8'	26° 53'	59° 23'
10'	26° 49'	58° 48'
12'	26° 47'	58° 24'

CURTAIN WALL DETAIL



TYPICAL SECTION - NEAR CENTER OF APRON

NOTES:

1. SEE DRAWING TWRCB-GI-87 FOR GENERAL INFORMATION, SPECIFICATIONS, AND DESIGN STRESSES.
2. FOR DIMENSION TABLE SEE DRAWING TWH 45-1-87.

LATEST REVISION DATE : 1-1-98

APPROVED BY :

STANDARD DESIGN

FLARED WING HEADWALLS

FOR
TWIN REINFORCED CONCRETE BOX CULVERTS

HIGHWAY DIVISION
IOWA DEPARTMENT OF TRANSPORTATION

JULY , 1987

TWH 45-4-87

REVISED 1/98; CLEAR DISTANCE TO 4i1 BAR CHANGED.
REVISED 12/96 ; NOTE CORRECTED, KEYWAY NOTATION CHANGED.
TWH454.S01

XXXXXXXXXXSYSTEMTIME XXXXXXXXUSERNAME XXXXXXXXXX