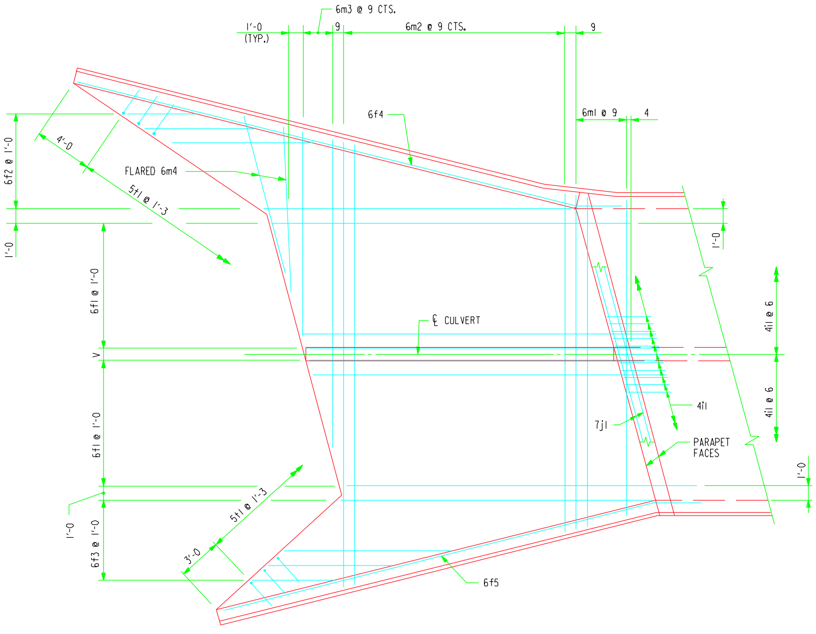
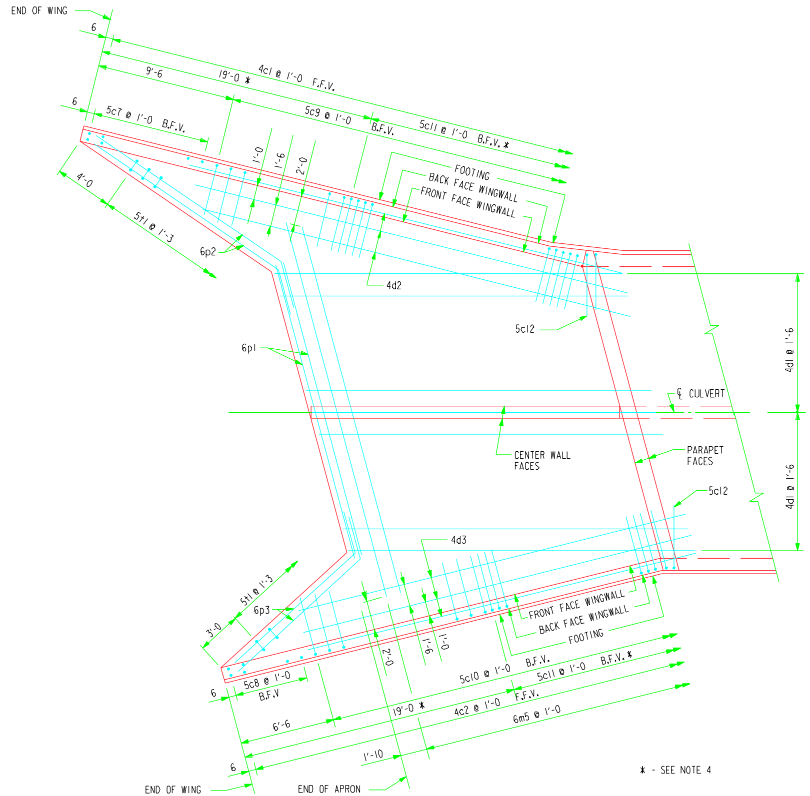


PLAN VIEW - TOP OF APRON REINFORCING BARS



✱ - SEE NOTE 4

PLAN VIEW - BOTTOM OF APRON REINFORCING BARS

NOTES :

1. BAR SPACINGS AND POSITIONS SHOWN ARE SIMILAR FOR ALL SIZES OF HEADWALLS IN THIS STANDARD.
2. WINGWALL BARS CONSISTENTLY REFERENCED FROM END OF WING FOR ALL HEADWALLS.
3. TOP TRANSVERSE FLOOR BARS ARE REFERENCED APPROXIMATELY 4" FROM THE BACK OF THE PARAPET FOR ALL HEADWALLS.
4. THERE ARE NO 5c11 BARS IN THE 6' HEIGHT HEADWALL.
5. FOR DIMENSION TABLE SEE DRAWING TWH 15-1-87.
6. FOR REINFORCING IN CURTAIN WALL SEE CURTAIN WALL DETAILS ON DRAWING TWH 15-3-87.

LATEST REVISION DATE :

APPROVED BY : William A. Lundquist

STANDARD DESIGN

FLARED WING HEADWALLS

FOR

TWIN REINFORCED CONCRETE BOX CULVERTS

HIGHWAY DIVISION

IOWA DEPARTMENT OF TRANSPORTATION

JULY , 1987

TWH 15-2-87

TWH152.S01

XXXXXXXXXXSYSTEMTIME XXXXXXXUSERNAME XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXDGNSPEC