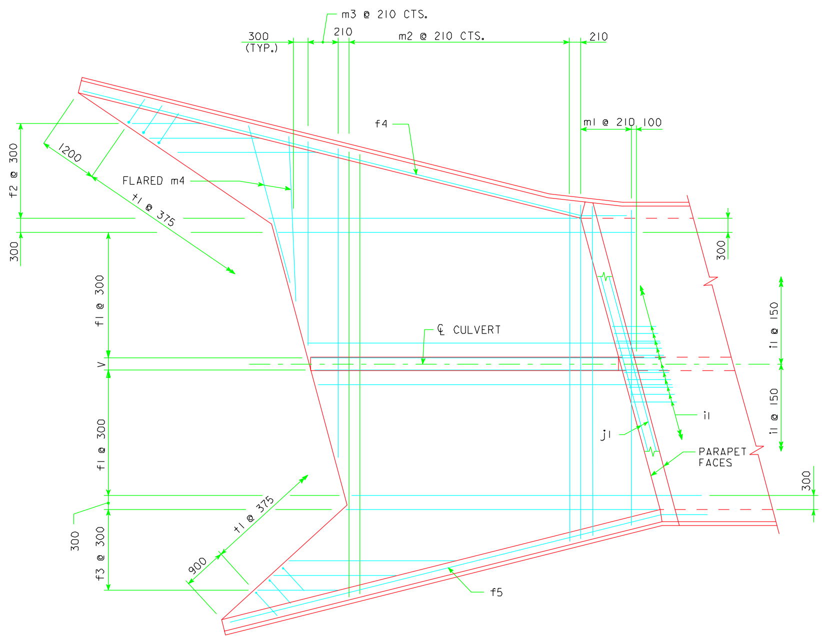
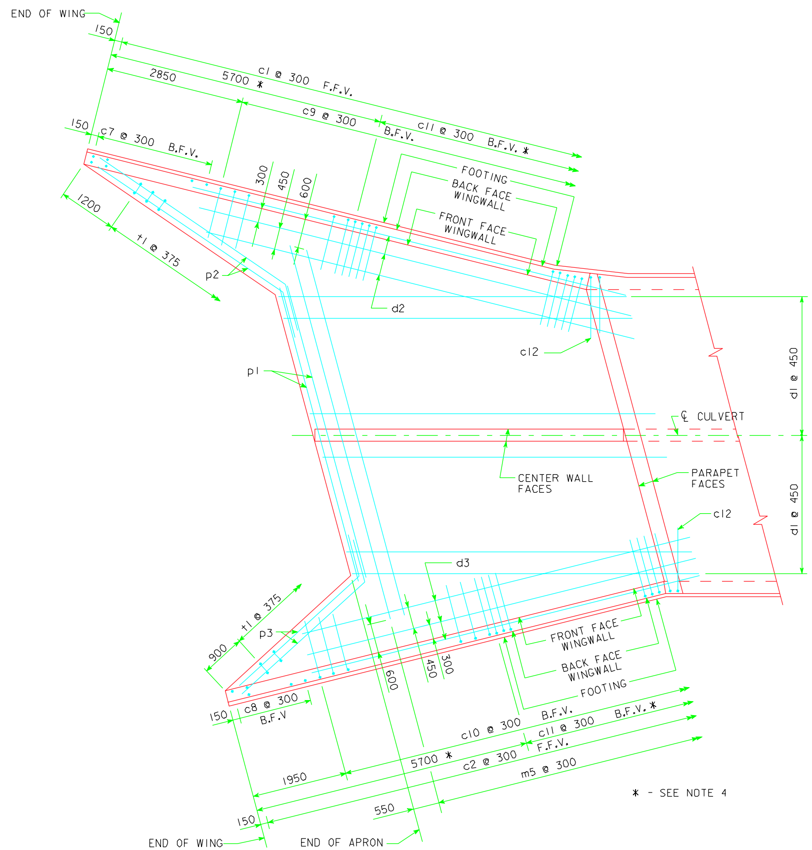


PLAN VIEW - TOP OF APRON REINFORCING BARS



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 100 mm FROM THE BACK OF THE PARAPET FOR ALL HEADWALLS.
4. THERE ARE NO c11 BARS IN THE 1800 mm HEIGHT HEADWALL.
5. FOR DIMENSION TABLE SEE SHEET MTWH 15-1-95.
6. FOR REINFORCING IN CURTAIN WALL SEE CURTAIN WALL DETAILS ON SHEET MTWH 15-3-95.

LATEST REVISION DATE :

APPROVED BY : William A. Lundquist

STANDARD DESIGN

FLARED WING HEADWALLS

FOR

TWIN REINFORCED CONCRETE BOX CULVERTS

PROJECT DEVELOPMENT DIVISION
IOWA DEPARTMENT OF TRANSPORTATION

JULY, 1995

MTWH 15-2-95

TWH152M.S01

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