



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 4" FROM THE BACK OF THE PARAPET FOR ALL HEADWALLS.
4. THERE ARE NO SC11 BARS IN THE 6' HEIGHT HEADWALLS.
5. FOR DIMENSION TABLE SEE DRAWING TWH 30-1-87.
6. FOR REINFORCING IN CURTAIN WALL SEE CURTAIN WALL DETAILS ON DRAWING TWH 30-3-87.

LATEST REVISION DATE :

APPROVED BY :

William A. [Signature]

STANDARD DESIGN
FLARED WING HEADWALLS
 FOR
 TWIN REINFORCED CONCRETE BOX CULVERTS
 HIGHWAY DIVISION
 IOWA DEPARTMENT OF TRANSPORTATION
 JULY, 1987
 TWH 30-2-87