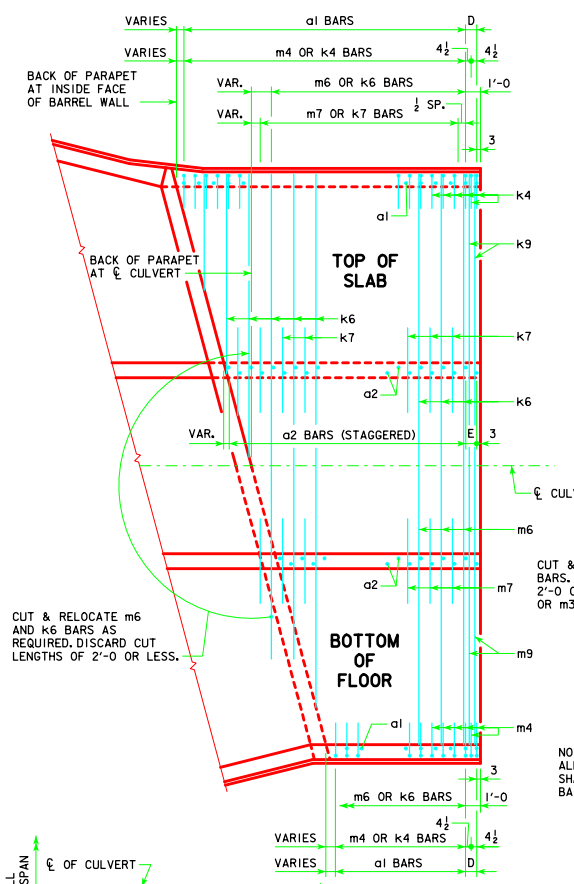
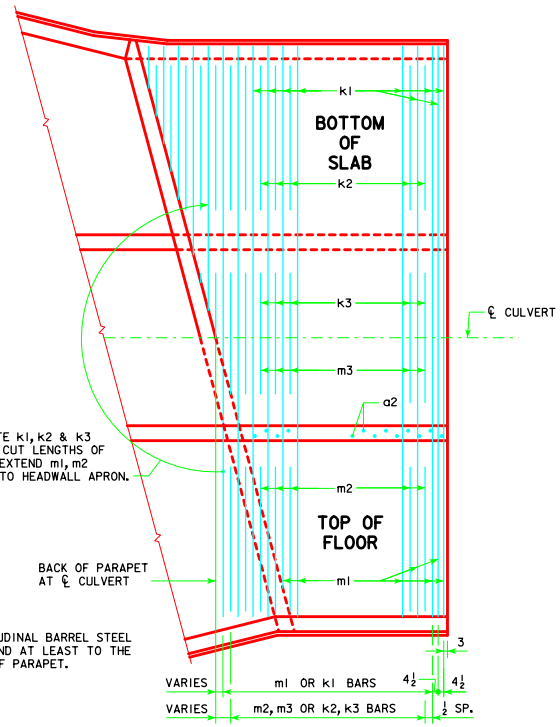




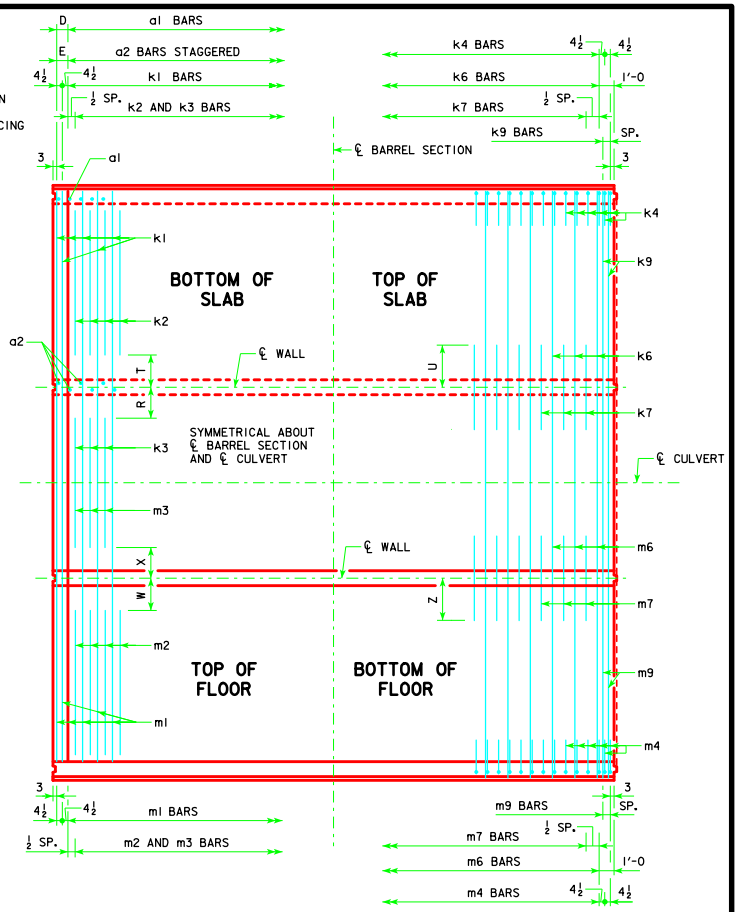
NOTE:
TYPICAL FOR LENGTHS OF 38', 35', 32', 29', AND 26'. THESE LENGTHS ARE SHOWN AS TYPICAL BECAUSE ALL TRANSVERSE AND VERTICAL REINFORCING STEEL SPACING REPEATS IN 3' INTERVALS.

NOTE:
ALL LONGITUDINAL BARREL STEEL SHALL EXTEND AT LEAST TO THE BACKFACE OF PARAPET.

END SECTION PLAN VIEWS

(KEYWAYS NOT SHOWN)

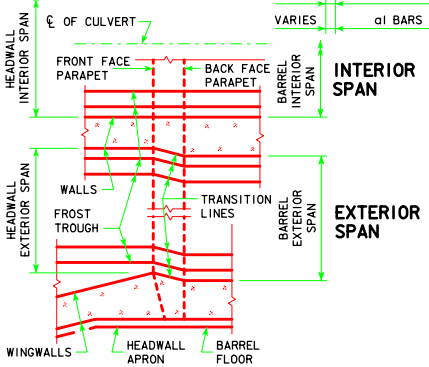
NOTE:
END SECTION DETAILS SHOWN ARE FOR A 15° SKEW BARREL. USE FOR SKEWS OF 30° & 45° BY INCREASING THE NUMBER OF TRANSVERSE REINFORCING BARS REQUIRED TO BE CUT AND RELOCATED.



STANDARD SECTION PLAN VIEW

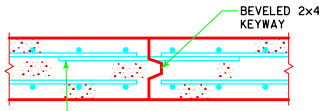
(KEYWAY IS TO BE OMITTED WHEN BELL JOINTS ARE USED)

NOTE:
DIMENSIONS LISTED ON THIS SHEET TO BE USED IN CONJUNCTION WITH DIMENSIONS AND QUANTITIES FOR BARREL SECTION SHEETS.



TRANSITION WALL DETAILS

5r1 BARS - ONE CONST. JT.		
SPAN	NO.	WEIGHT (LB)
10'-0	34	124
12'-0	40	146



ONE SET OF 5r1 x 3'-6 DOWEL BARS @ 1'-0 SPACING REQUIRED IN SLAB AT ALL CULVERT BARREL JOINTS, EXCEPT JOINTS WITH BELL JOINTS. SEE TABLE FOR NUMBER REQUIRED AND TOTAL WEIGHT.

TOP SLAB CONSTRUCTION JOINT DETAIL

07-14
LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

STANDARD DESIGN

TRIPLE REINFORCED CONCRETE BOX CULVERTS

APRIL, 2012

TYPICAL CULVERT BARREL DETAILS

TRRCB G2-12

REVISED 07-14 - TRANSITION WALL DETAILS.
ENGLISHLRFDSIGNEDTRIPLECULVERTS.DGN - TRRCB G2-12 - THIS SHEET ISSUED 04-12.