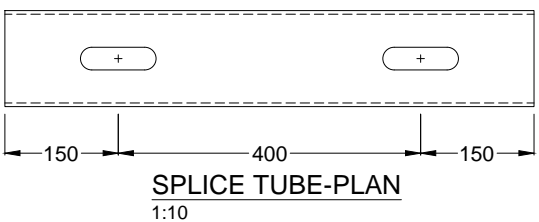
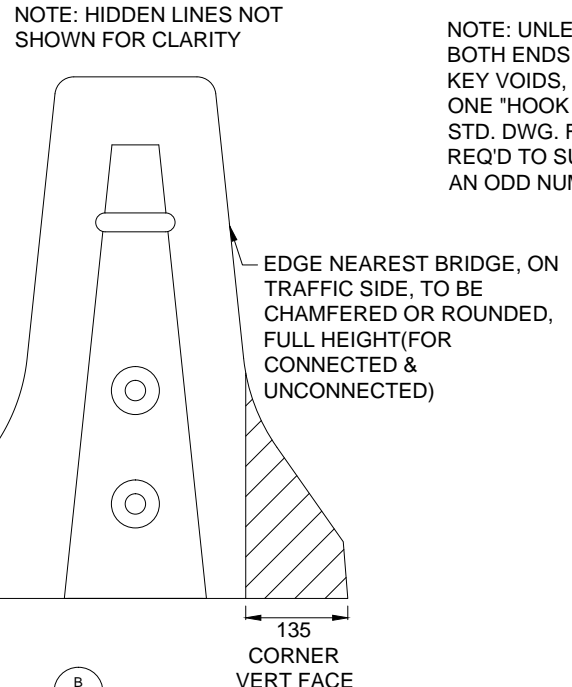
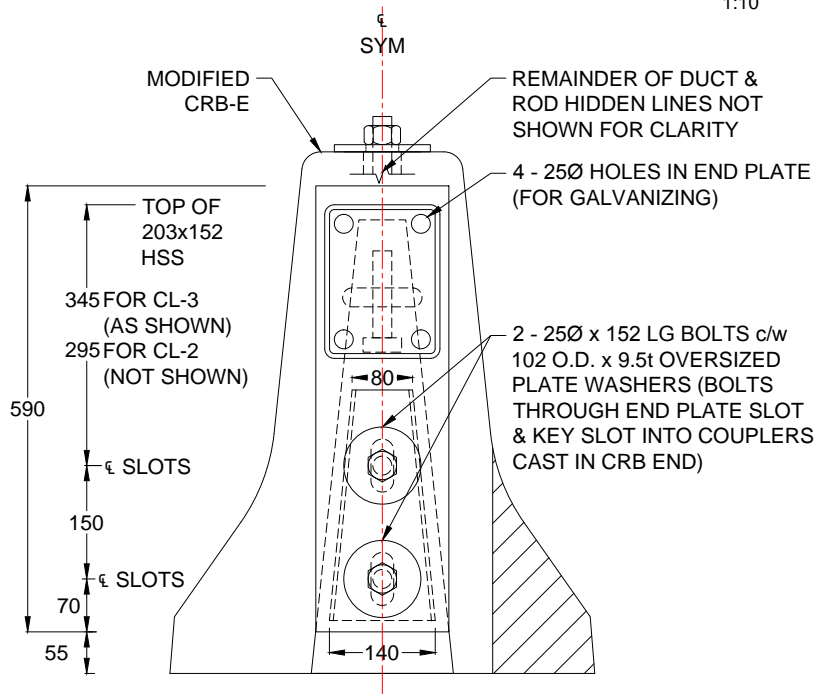
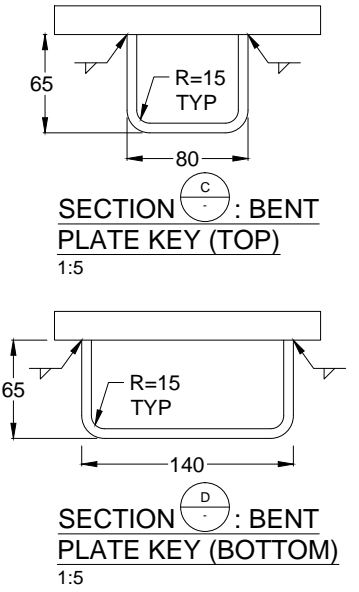
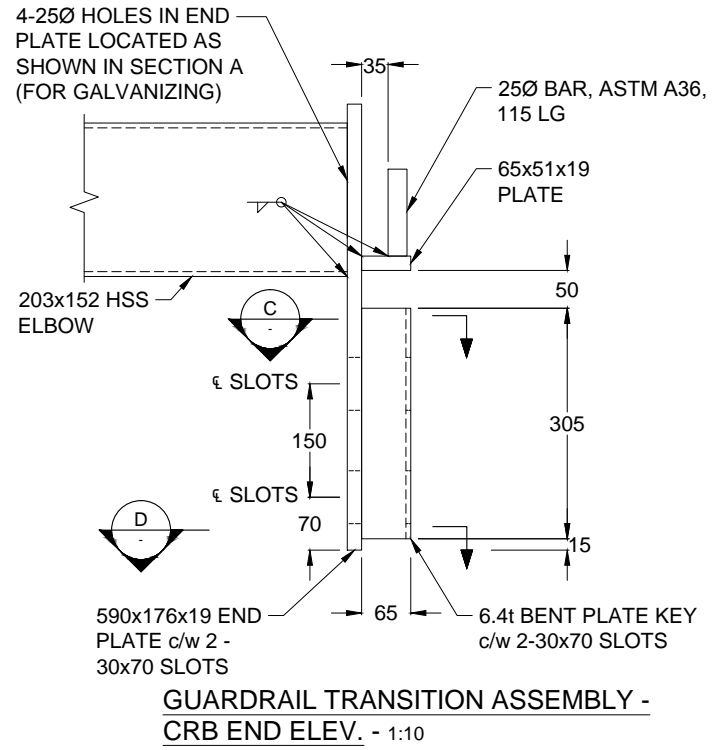


NOTES:  
 - EXPANSION GAP DIST. AT EACH BRIDGE END TO BE SPECIFIED BY PROFESSIONAL ENGINEER TO ACCOUNT FOR TEMP. AT TIME OF PLACEMENT AND REQ'D THERMAL MOVEMENT.  
 - P. ENG. TO CHECK ADEQUACY OF SLOT LENGTHS IN SPLICE TUBES IF BRIDGE LENGTH >50m, AND MODIFY AS REQ'D.

DETAIL 1/01: GUARDRAIL TRANSITION ASSEMBLY CONNECTION TO BRIDGE GUARDRAIL-ELEV. 1:10

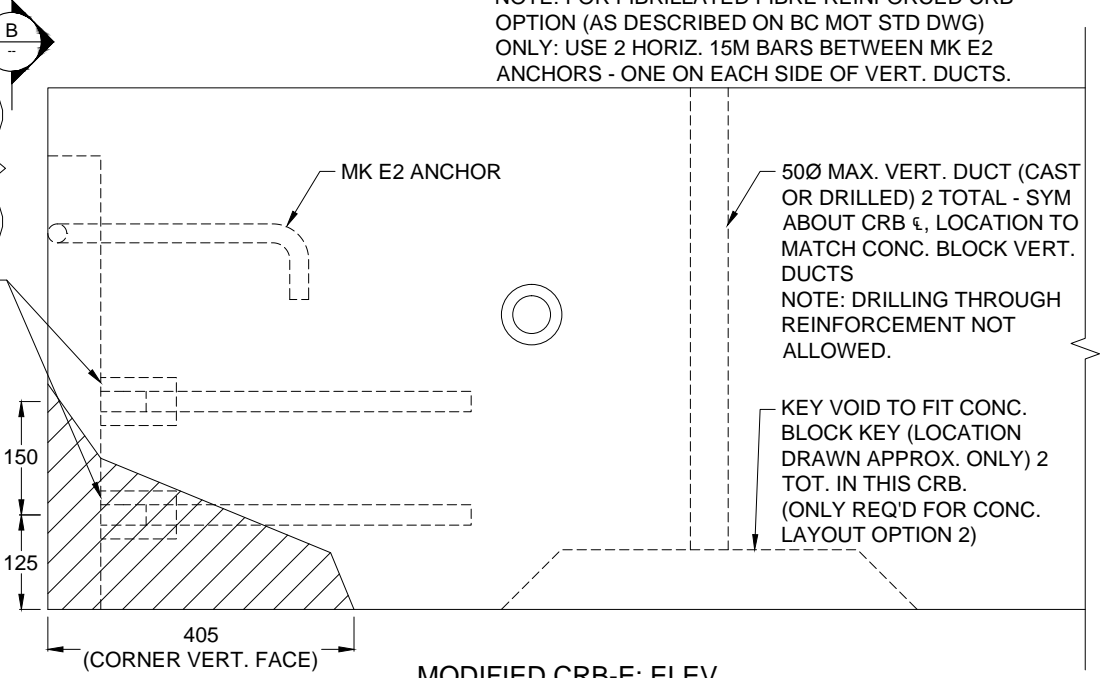


ASSUME NOT TO SCALE  
 ORIGINAL SIGNED AND SEALED



NOTE: UNLESS OTHERWISE SPECIFIED BY THE MINISTRY, BOTH ENDS SHALL HAVE STANDARD CRB-E EYES AND END KEY VOIDS, AS SHOWN HERE. THE MINISTRY MAY SPECIFY ONE "HOOK AND KEY" END AS PER THE CRB-H BC MOT STD. DWG. FOR THE END FARTHEST FROM THE BRIDGE, IF REQ'D TO SUIT CONNECTION TO OTHER BARRIERS, WHEN AN ODD NUMBER OF BARRIERS IS REQUIRED.

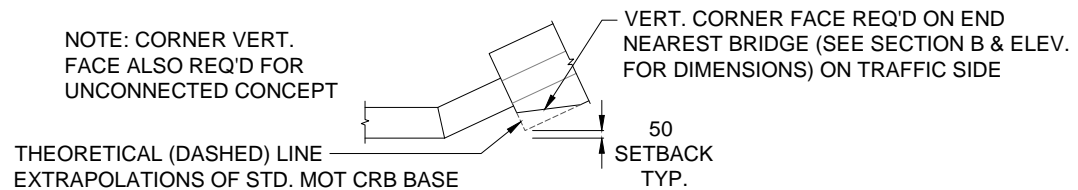
25Ø GALV. COUPLER TYP. MIN. TENSILE STRENGTH = 69KN c/w 25Mx430LG REINF. THREADED ONE END, INSERTED 40 INTO COUPLER, LEAVING 60 OPEN TO ACCEPT 25Ø BOLT. (COUPLERS NOT REQ'D FOR "UNCONNECTED" CONCEPT). AN ACCEPTABLE ALTERNATIVE TO THE EMBEDDED COUPLER/REBAR (AND THE BOLT INSERTED INTO THE COUPLER) IS: 25Ø ASTM A193 B7 THREADED ROD C/W OVERSIZED PLATE WASHER. ROD TO BE INSERTED 200mm INTO DRILLED HOLE IN END OF CRB, USING HILTI HIT HY-200 (OR MINISTRY APPROVED EQUIV.) INSTALLED ACCORDING TO MANUFACTURER'S REQUIREMENTS.



MODIFIED CRB-E: ELEV. 1:10

SECTION A/01: GUARDRAIL TRANSITION ASSEMBLY CONNECTION TO MODIFIED CRB-E 1:10

SECTION B: MODIFIED CRB-E FOR "CONNECTED" CONCEPT - END VIEW - 1:10



DETAIL 2/01: MODIFIED CRB-E CORNER VERT. FACE (PLAN) 1:50

STANDARD BRIDGE DRAWING

ANCHORED/CONNECTED BRIDGE APPROACH BARRIER CONCEPTS DWG. 2 OF 2

ORIGINAL SIGNED AND SEALED BY: M. PENNER, P.ENG. APPROVED BY: B. CHOW, P.ENG., CHIEF ENGINEER

FILE NUMBER: DRAWING NUMBER: STD-EC-010-16

REV	DATE	DESCRIPTION	INITIAL

REVISIONS