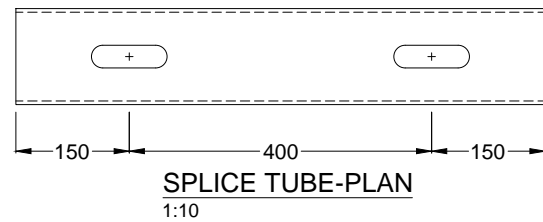


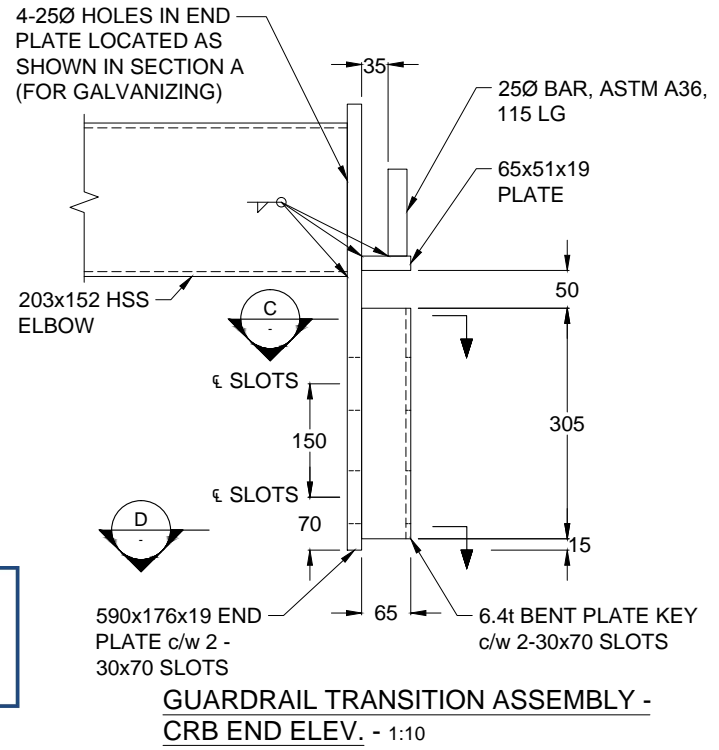
NOTES:
 - EXPANSION GAP DIST. AT EACH BRIDGE END TO BE SPECIFIED BY PROFESSIONAL ENGINEER TO ACCOUNT FOR TEMP. AT TIME OF PLACEMENT AND REQ'D THERMAL MOVEMENT.
 - P. ENG. TO CHECK ADEQUACY OF SLOT LENGTHS IN SPLICE TUBES IF BRIDGE LENGTH >50m, AND MODIFY AS REQ'D.

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

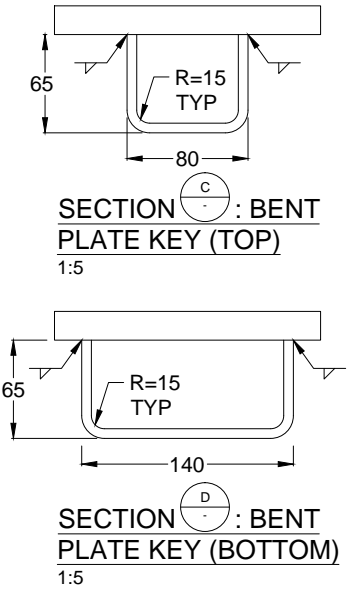


SPLICE TUBE-PLAN 1:10

**ASSUME NOT TO SCALE
NOT FOR CONSTRUCTION**

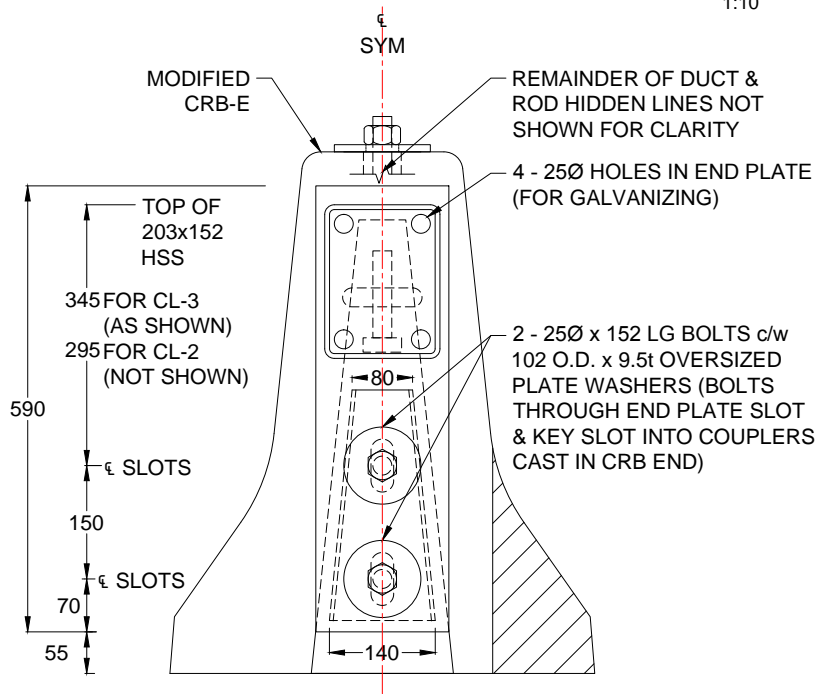


GUARDRAIL TRANSITION ASSEMBLY - CRB END ELEV. - 1:10



SECTION C: BENT PLATE KEY (TOP) 1:5

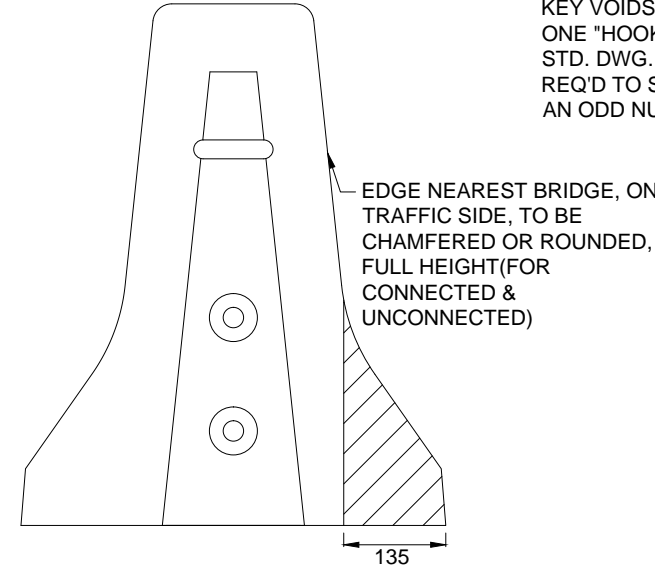
SECTION D: BENT PLATE KEY (BOTTOM) 1:5



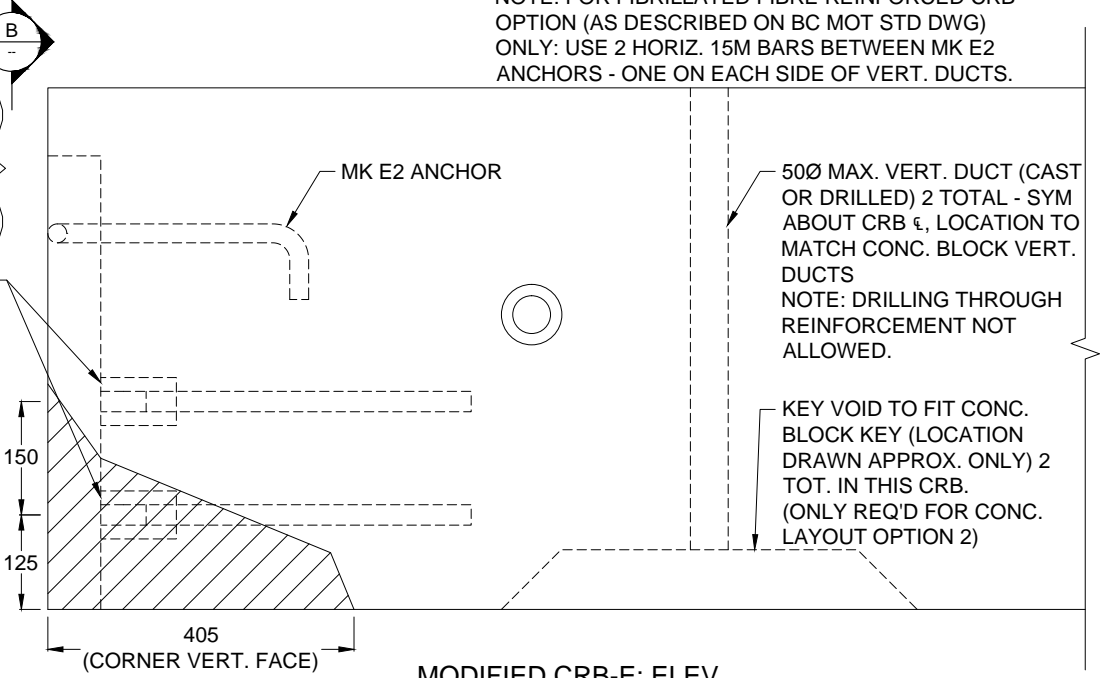
NOTE: HIDDEN LINES NOT SHOWN FOR CLARITY

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.



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



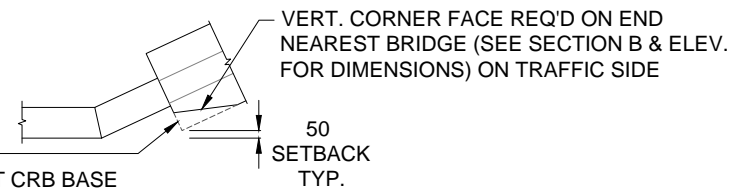
NOTE: FOR FIBRILLATED FIBRE REINFORCED CRB OPTION (AS DESCRIBED ON BC MOT STD DWG) ONLY: USE 2 HORIZ. 15M BARS BETWEEN MK E2 ANCHORS - ONE ON EACH SIDE OF VERT. DUCTS.

MODIFIED CRB-E: ELEV. 1:10

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

NOTE: CORNER VERT. FACE ALSO REQ'D FOR UNCONNECTED CONCEPT

THEORETICAL (DASHED) LINE EXTRAPOLATIONS OF STD. MOT CRB BASE



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

SCALE AS SHOWN		Designed M.P. Date SEPT. 15, 2017	
		Checked G.M. Date SEPT. 15, 2017	
		Drawn N.H. Date SEPT. 15, 2017	
REV	DATE	DESCRIPTION	INITIAL
REVISIONS			