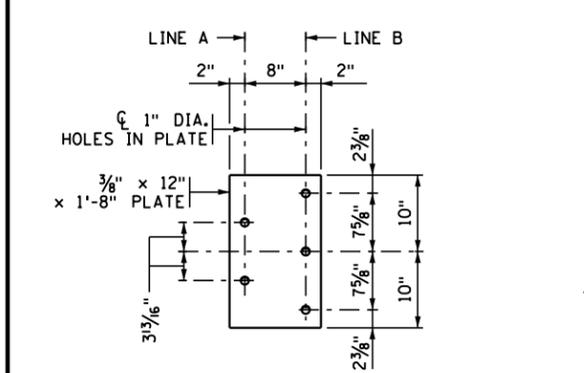
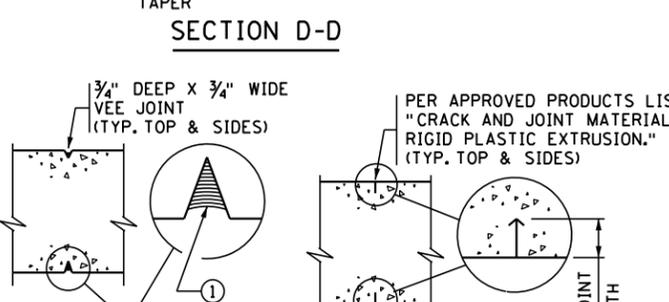
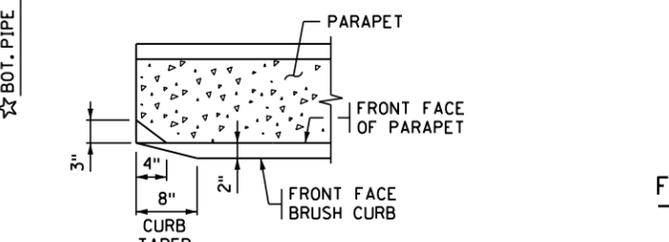


SECTION A-A
 (REINFORCEMENT NOT SHOWN)
 TRIM GUARDRAIL BOLTS SUCH THAT NO MORE THAN 1/2\"/>



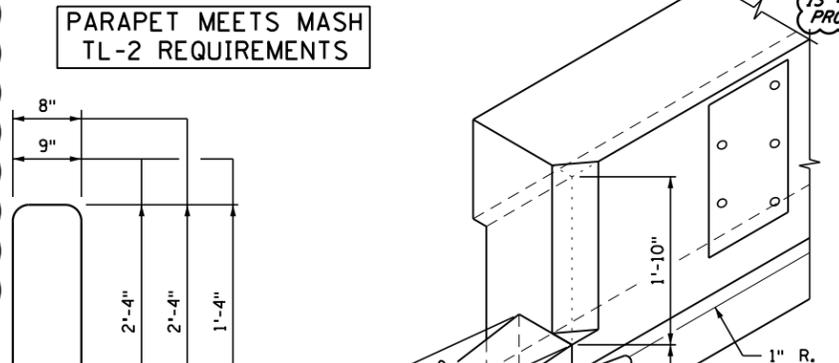
GUARDRAIL CONNECTION DETAIL
 GALVANIZE AFTER FABRICATION PER SPEC. 3394
 ESTIMATED WEIGHT = 34 LBS.

DESIGNER NOTES
 (REMOVE PRIOR TO PRINTING FINAL PLAN)
 OMIT GUARDRAIL CONNECTION IF THE PARAPET IS PROTECTED BY A TRAFFIC BARRIER THAT INCLUDES THE GUARDRAIL ATTACHMENT.
 IF GUARDRAIL CONNECTION IS INCLUDED, METAL RAILING OR FENCE ON TOP OF PARAPET MUST TERMINATE AT LEAST 3'-0\"/>

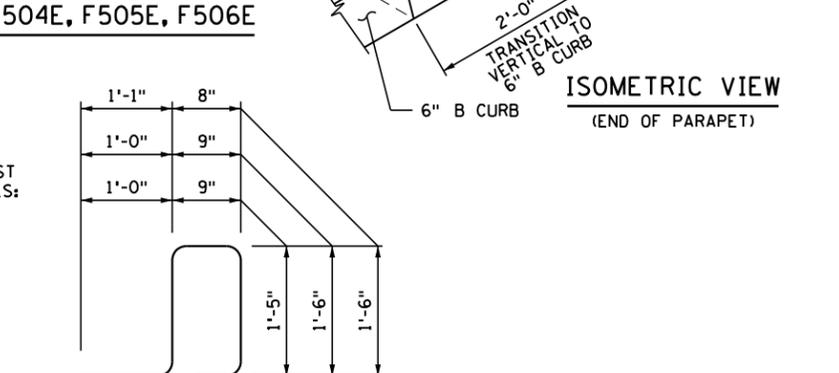


CONTROL JOINT DETAILS
 FOR SLIPFORM CONSTRUCTION, IMMEDIATELY AFTER CONCRETE IS PLACED AND WHILE IT IS STILL WET, CREATE A ONE INCH STRAIGHT GROOVE USING A TROWEL, INSERT RIGID PLASTIC EXTRUSION INTO GROOVE TO A DEPTH 1/8\"/>

INSIDE ELEVATION OF PARAPET
 PARAPET MEETS MASH TL-2 REQUIREMENTS



F504E, F505E, F506E



F501E, F502E, F503E

DESIGNER NOTES
 (REMOVE PRIOR TO PRINTING FINAL PLAN)
 ONLY USE THIS PARAPET WHEN THE ROADWAY DESIGN SPEED IS 45 MPH OR LESS UNLESS IT IS PROTECTED BY TRAFFIC BARRIER.

BILL OF REINFORCEMENT FOR PARAPET

BAR	NO.	LENGTH	SHAPE	LOCATION
F501E		5'-1"		PARAPET DOWEL
F502E		5'-3"		PARAPET DOWEL
F503E		5'-3"		PARAPET DOWEL
F504E		7'-1"		PARAPET VERTICAL
F505E		6'-11"		PARAPET VERTICAL
F506E		5'-1"		PARAPET VERTICAL
F4..E				PARAPET LONGIT.
F4..E				PARAPET LONGIT.
F4..E				PARAPET LONGIT.

GENERAL NOTES
 CONTINUOUSLY GROUND ALL METAL RAILINGS; SEE THE SPECIAL PROVISIONS. REFER TO THE ELECTRICAL PLANS AND ELECTRICAL SPECIAL PROVISIONS FOR DETAILS REGARDING BONDING MULTIPLE ELECTRICAL GROUNDING SYSTEMS.
 FOR SLIPFORM CONSTRUCTION, TIE 100% OF THE REINFORCEMENT BAR INTERSECTIONS IN THE PARAPET.
 MEASURE PAYMENT LENGTH BETWEEN THE OUTSIDE ENDS OF THE PARAPET.
 CONCRETE PARAPET = 473 LBS./FT. (0.117 CU. YDS./FT.)
 FINISH ALL EDGES OF PARAPET WITH 1/2\"/>

REVISION:
 APPROVED: APRIL 09, 2020
 Kevin Westrom
 STATE BRIDGE ENGINEER

CERTIFIED BY _____ DATE _____
 LICENSED PROFESSIONAL ENGINEER
 NAME: _____ LIC. NO. _____

TITLE: **CONCRETE PARAPET (TYPE P-1, TL-2)**
 PARAPET ABUTMENT
 (WITHOUT CONCRETE WEARING COURSE)

DES: _____ DR: _____
 CHK: _____ CHK: _____
 SHEET NO. OF SHEETS
 APPROVED: _____
 BRIDGE NO. _____
 FIG. 5-397.166(F)