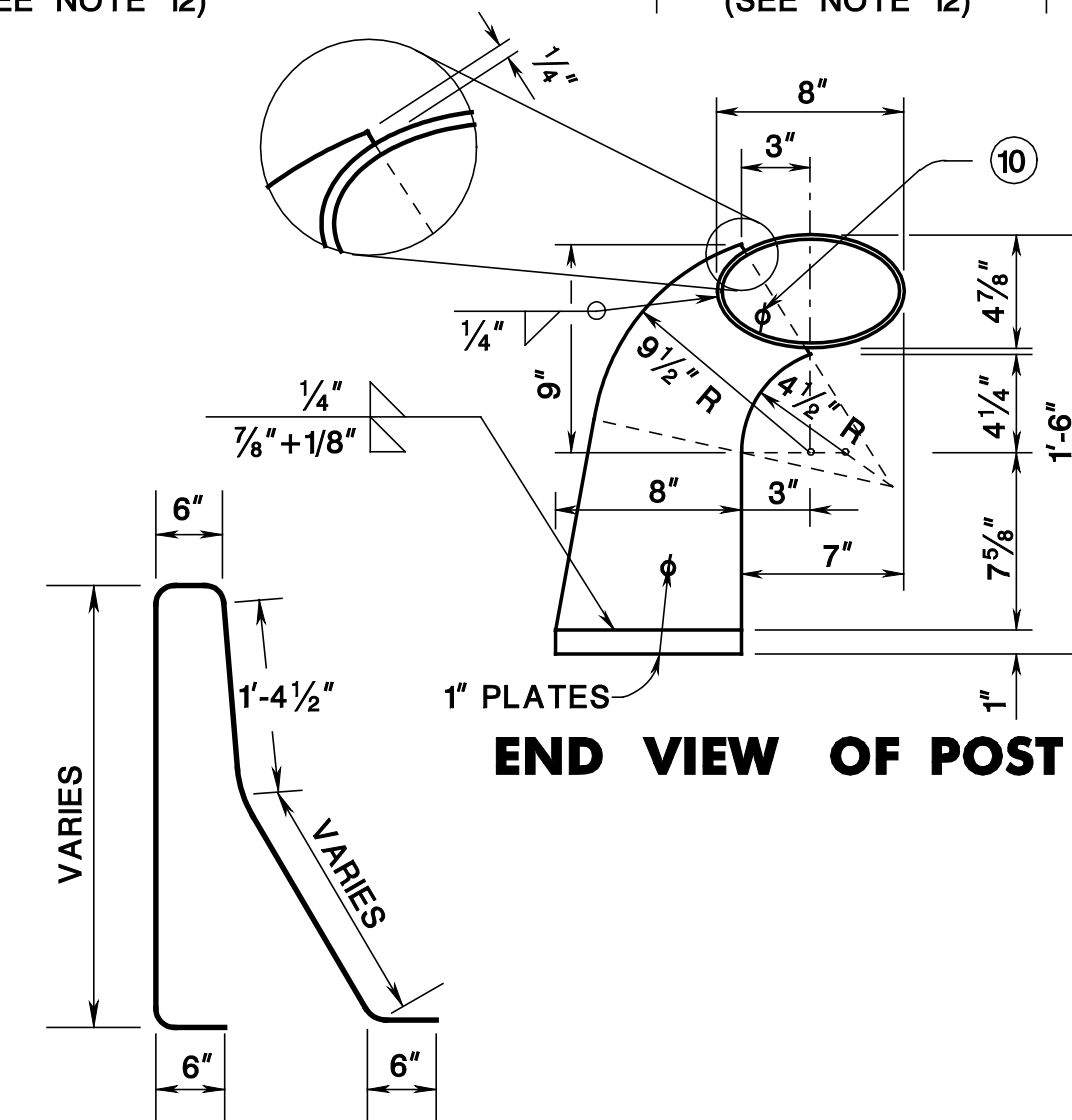
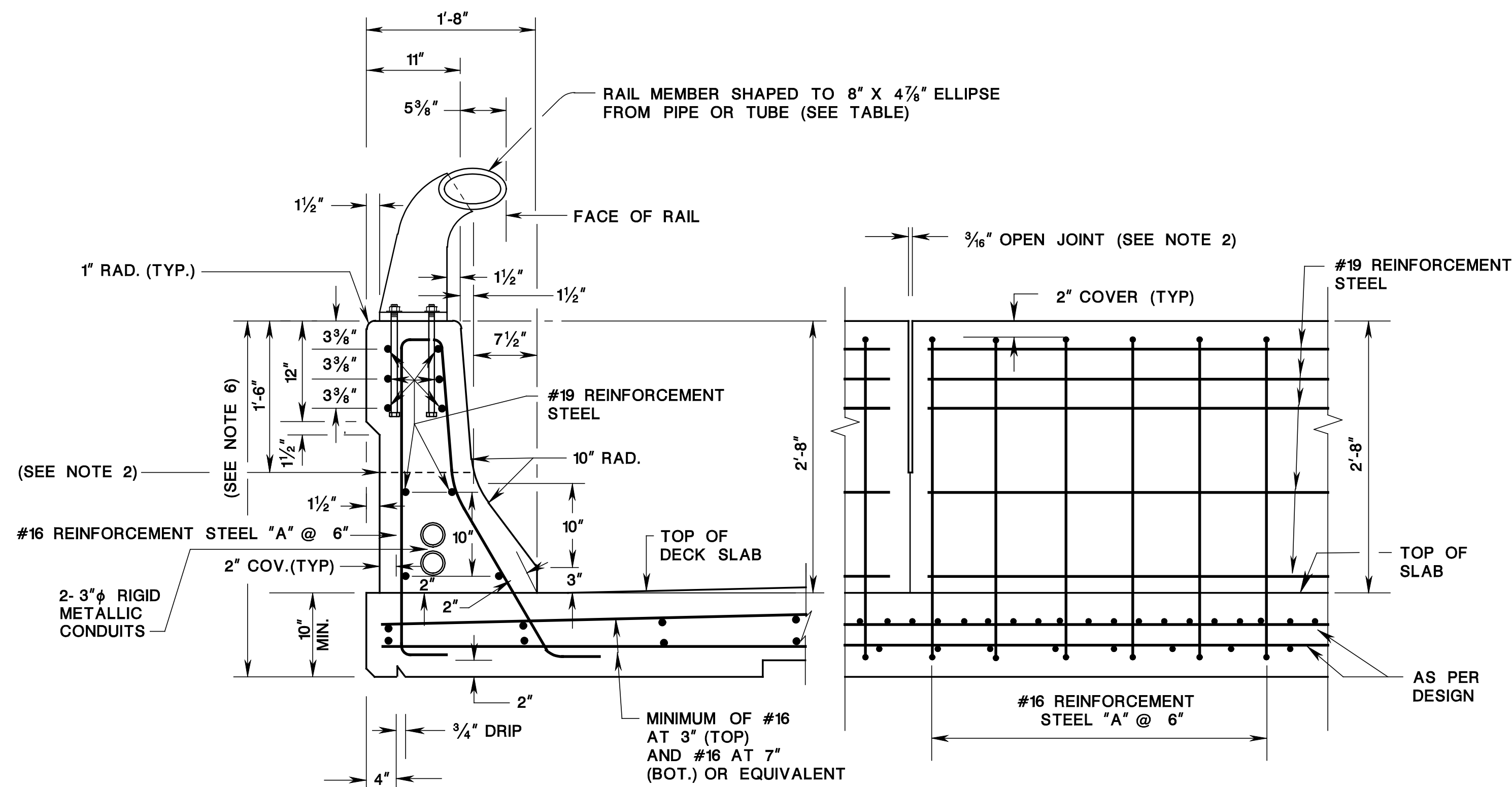
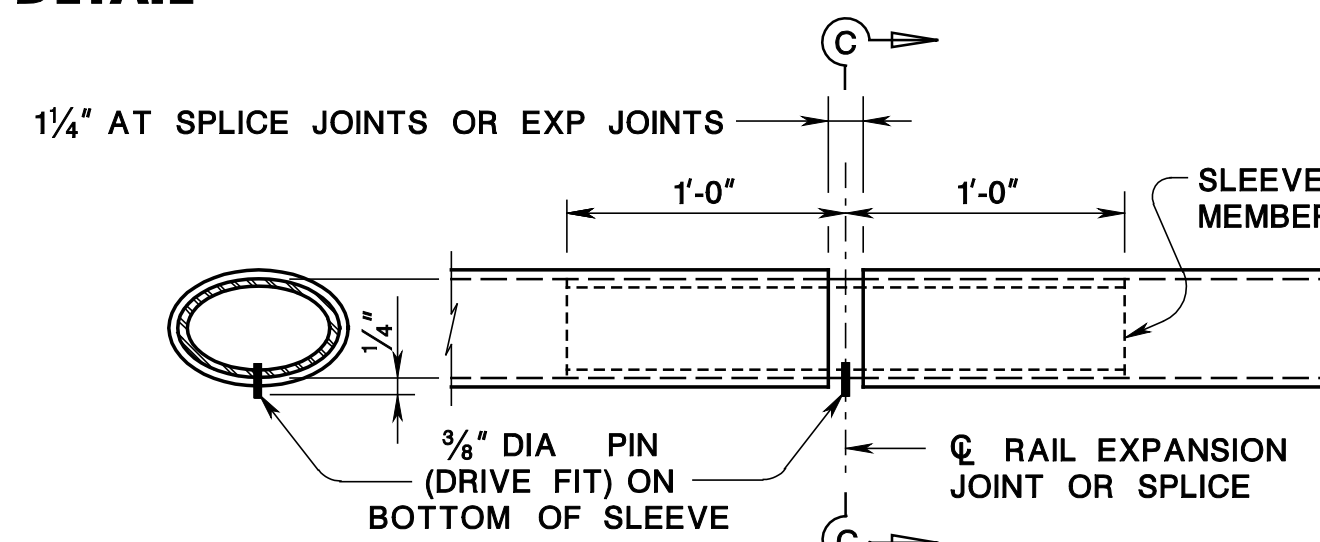
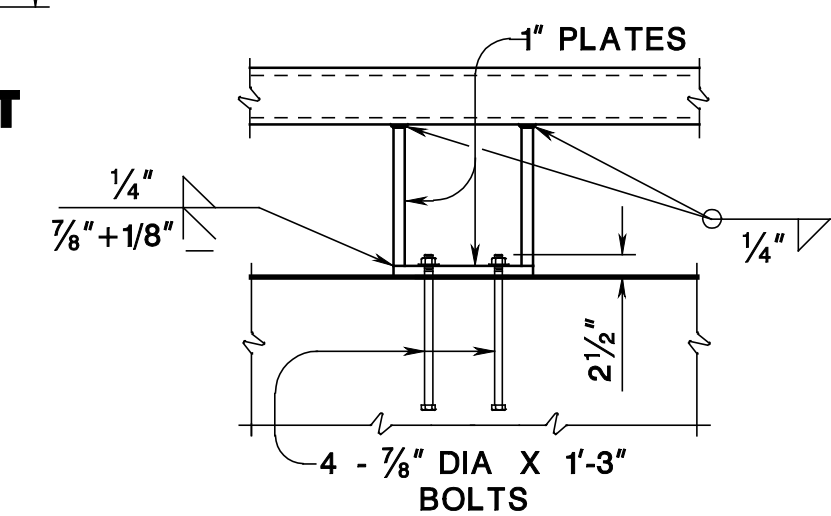
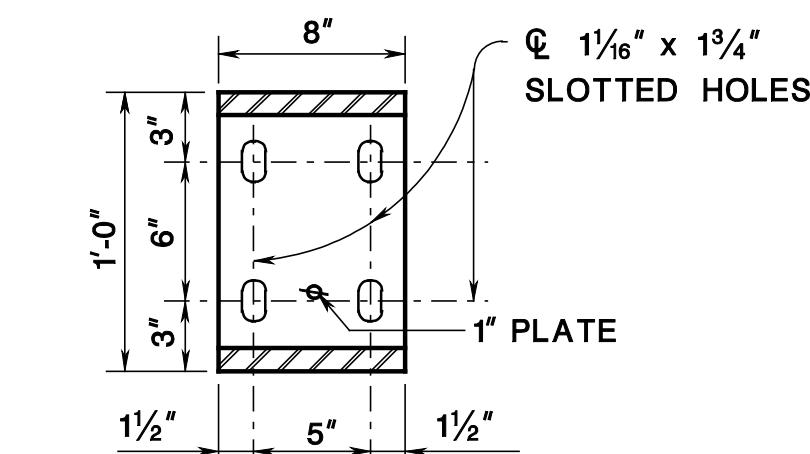


NOTE:

A. ONE SHOP SPlice PER PANEL IS PERMITTED WITH MINIMUM 85 PERCENT PENETRATION. WELD FLAWS RESULTING IN NO LESS THAN 60 PERCENT PENETRATION ARE PERMISSIBLE IN THE UPPER AND LOWER 90 DEGREE QUADRANTS OF THE MEMBERS. THE WELD MAY BE SQUARE GROOVE, DOUBLE VEE GROOVE, OR SINGLE GROOVE AND GROUND SMOOTH.



REINFORCEMENT STEEL "A" BENDING DETAIL



SECTION C-C AT SPLICE OR EXPANSION JOINTS

NOTES:

1. PROVIDE $\frac{3}{16}$ " OPEN DEFLECTION JOINTS IN PARAPETS AT INTERVALS NOT EXCEEDING 20'-0" AND CONTRACTION JOINTS AT THE MIDPOINT BETWEEN THE OPEN JOINTS.
2. STOP THE $\frac{3}{16}$ " OPEN JOINT AT THE LINE INDICATED AND PROVIDE A CONTRACTION JOINT BELOW THAT LINE.
3. PROVIDE FULL DEPTH JOINTS AT LOCATION OF TRANSVERSE DECK JOINTS. ENSURE THAT THE FULL DEPTH JOINT OPENING WIDTH IS EQUAL TO THE TRANSVERSE DECK JOINT OPENING WIDTH.
4. ENSURE THAT ALL REINFORCEMENT STEEL IN PARAPET IS CORROSION PROTECTED.
5. PERMANENT METAL STAY-IN-PLACE FORMS NOT PERMITTED IN THE DECK OVERHANG AREA.
6. FASCIA RUSTICATION AND/OR CONFIGURATION AS PER SPECIFICATIONS.
7. GALVANIZE ALL STEEL COMPONENTS INCLUDING BOLTS, NUTS, AND WASHERS UNLESS OTHERWISE SHOWN ON THE PLANS.
8. USE $\frac{7}{8}$ " DIA ANCHOR BOLTS. ASTM F1554 BOLTS WITH ONE HEX NUT AND ONE $2\frac{1}{4}$ " O.D. WASHER ($\frac{3}{16}$ " MIN. THICKNESS) PLUS ONE $1\frac{3}{4}$ " O.D. HARDENED STEEL WASHER ($\frac{1}{8}$ " MIN. THICKNESS) AT EACH BOLT. CONFORM NUTS TO A563 REQUIREMENTS.
9. THE PIPE MAY BE SLOTTED TO FIT PLATES IN LIEU OF CUTTING PLATES TO FIT PIPE, EXCEPT PLATES ADJACENT TO TUBE SPLICE.
10. USE PLATES CONFORMING TO AASHTO M 270, GRADE 36 OR 50.
11. SEE BRIDGE PLANS FOR TAPER LENGTH. THE TAPER MUST BE 5:1 OR FLATTER WITH 8:1 DESIRABLE. THE MINIMUM TAPER LENGTH IS BASED ON PARAPET HEIGHT.
12. FOR GUIDERAIL ATTACHMENT AND PARAPET TRANSITION DETAILS SEE CD-609-14 THROUGH CD-609-17E

TUBE & SLEEVE MEMBERS		
8" x 4 7/8" ELLIPSE	SPLICE MEMBER	
MATERIAL	MATERIAL	THICKNESS
6" DIA STD PIPE ASTM-A53 E OR S GR B)	ASTM-A53-B	0.353"
	A36 OR A500 GR B	0.339"
	API-5LX52	0.224"
6 3/4" O.D. X 0.188" TUBE API-5LX52	ASTM-A53-B	0.339"
	A36 OR A500 GR B	0.325"
	API-5LX52	0.216"

NOTES:

1. OTHER SECTIONS OF EQUAL OR GREATER STRENGTH ARE ACCEPTABLE FOR SLEEVES.
2. THE MAJOR AND MINOR DIAMETERS OF THE RAIL MEMBER MAY VARY +/- 0.1875 INCHES FROM PLAN DIMENSION. HOWEVER, THE DIFFERENCE BETWEEN THE OUTSIDE DIAMETERS OF THE SLEEVE AND THE INSIDE DIAMETERS OF THE RAIL NOT TO EXCEED 0.125 INCHES ALONG THE MAJOR OR MINOR AXIS. GAPS EXCEEDING THIS AMOUNT UP TO 0.25 INCHES ARE PERMISSIBLE ALONG THE 45° AXES OF THE SLEEVES.

4'-2" HIGH HEAVY TRUCK PARAPET

N.T.S.

BCD-507-8

NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURAL ENGINEERING

BRIDGE CONSTRUCTION DETAILS

TEST LEVEL 5
BCD-507-8.1

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