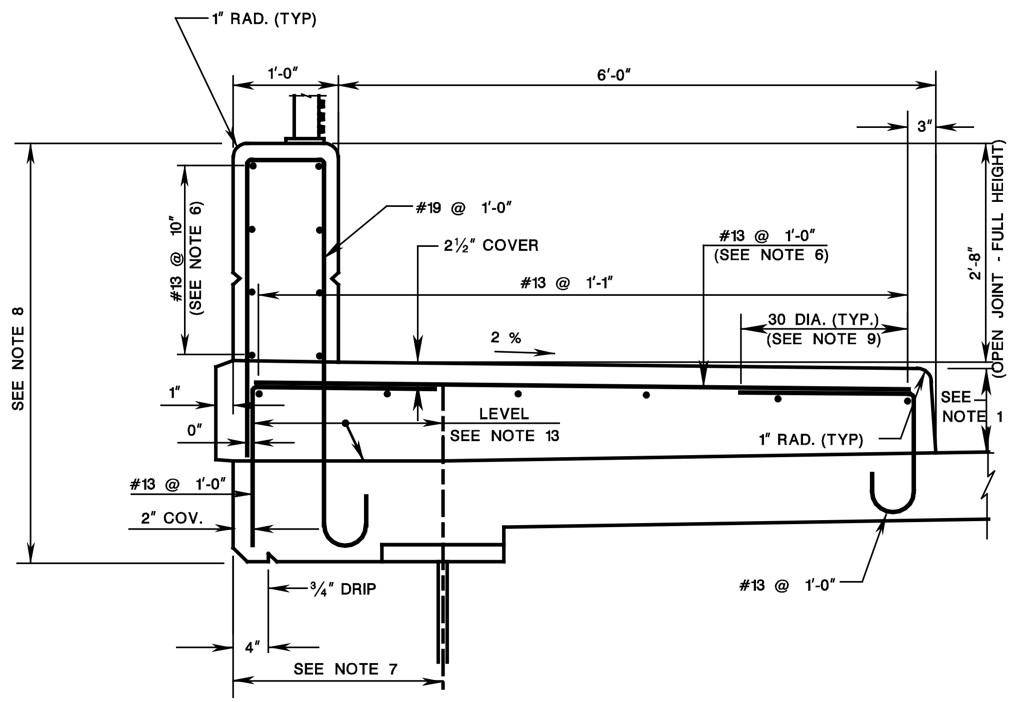
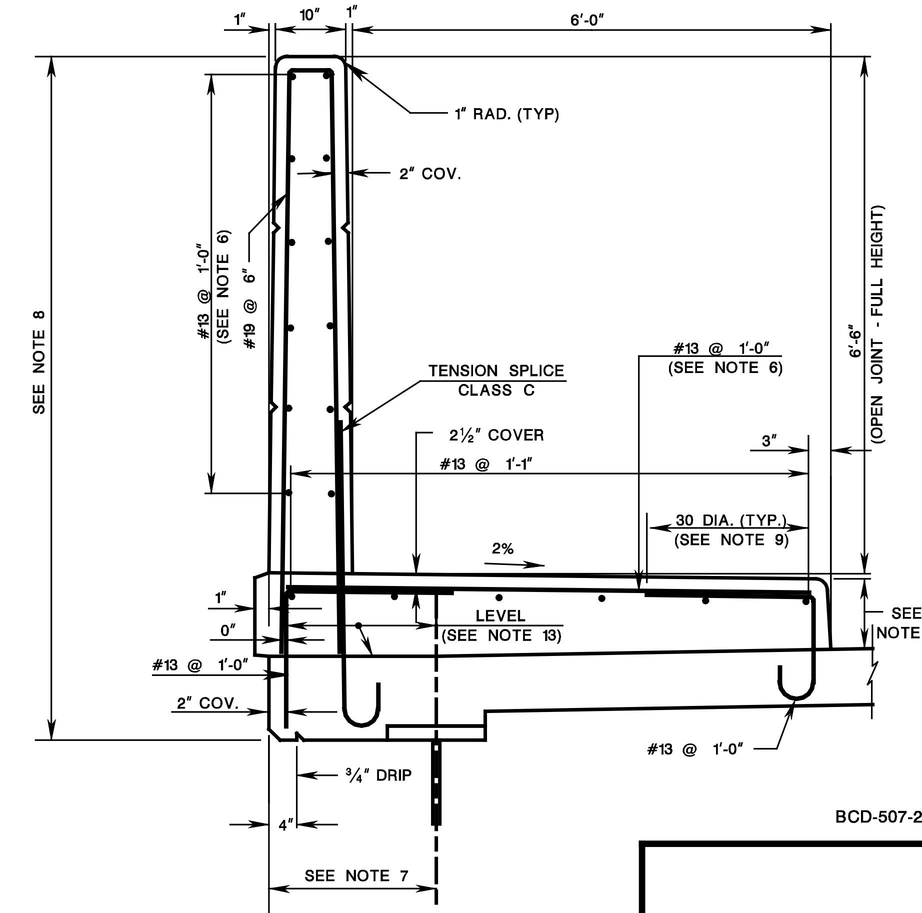


2'–8" HIGH PARAPET WITH SIDEWALK

BCD-507-2.1



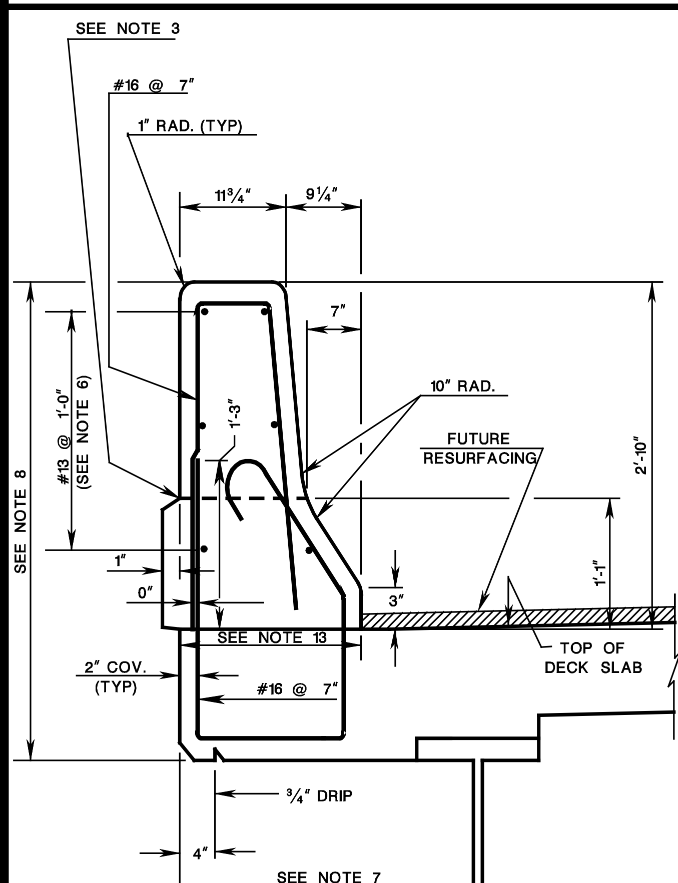
6'–6" HIGH PARAPET WITH SIDEWALK OVER ELECTRIFIED RAILROAD

BCD-507-2.2

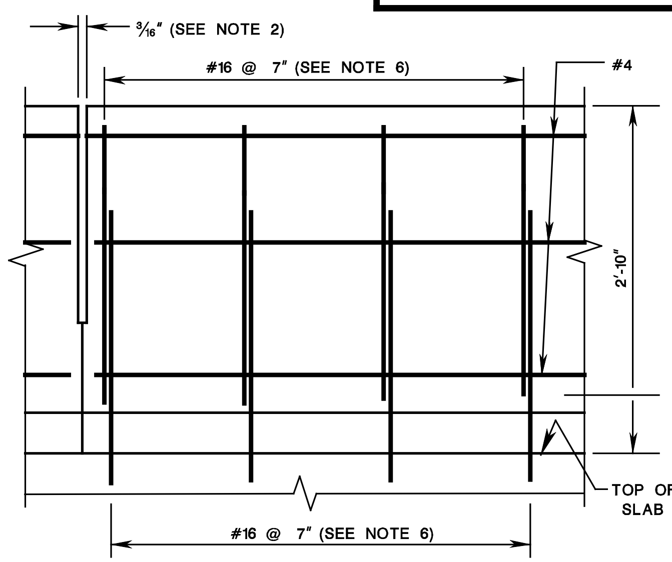
NOTES:

1. REFER TO BRIDGE PLANS FOR CURB HEIGHT. REFER TO CD-607-2.5 FOR LINEAR CURB HEIGHT TRANSITION.
2. 3⁄16" OPEN DEFLECTION JOINT SHALL BE PROVIDED IN PARAPETS AT INTERVALS NOT EXCEEDING 20'-0" AND CONTRACTION JOINTS SHALL BE PROVIDED AT THE MIDPOINT BETWEEN THE OPEN JOINTS.
3. THE 3⁄16" OPEN JOINT SHALL STOP AT THE LINE INDICATED AND A CONTRACTION JOINT SHALL BE PROVIDED BELOW THAT LINE.
4. CONTRACTION JOINTS SHALL BE PROVIDED IN SIDEWALKS AT LOCATIONS OF 3⁄16" OPEN PARAPET DEFLECTION JOINTS.
5. FULL DEPTH JOINTS SHALL BE PROVIDED AT LOCATION OF TRANSVERSE DECK JOINTS. THE FULL DEPTH JOINT OPENING WIDTH SHALL EQUAL THE TRANSVERSE DECK JOINT OPENING WIDTH.
6. ALL REINFORCEMENT STEEL IN PARAPET AND SIDEWALK SHALL BE CORROSION PROTECTED.
7. PREFERRED MAXIMUM OVERHANG 2'-6". PERMANENT METAL STAY-IN-PLACE FORMS NOT PERMITTED IN THIS AREA.
8. FASCIA RUSTICATION AND CONFIGURATION AS PER NJDOT STANDARD SPECIFICATIONS.
9. AS AN OPTION, THE CONTRACTOR MAY ELIMINATE SPLICES AT EACH END OF THE TOP TRANSVERSE REINFORCEMENT STEEL IN SIDEWALKS BY PROVIDING A SINGLE BAR OF THE SAME CONFIGURATION WITH HOOKS AT EACH END, EMBEDDED IN THE DECK SLAB.
10. IF CONDUITS ARE USED WITHIN THE PARAPET, PROVIDE A SLEEVE OF SUFFICIENT LENGTH TO ACCOMODATE MAXIMUM EXPANSION AND CONTRACTION OF THE EXPANSION JOINT.
11. IN CONSIDERING THE HEIGHT OF THE PARAPET AND RAILING COMBINATION, THE MINIMUM HEIGHT SHALL BE 4'-6" FOR BICYCLE TRAFFIC AND 3'-6" FOR PEDESTRIAN TRAFFIC.
12. FOR ADDITIONAL REINFORCEMENT STEEL THAT IS REQUIRED IN THE VICINITY OF PARAPET JOINTS TO PREVENT CONCRETE CRACKING IN THE OVERHANG PORTIONS OF THE DECK SLAB, SEE "DETAIL 1."
13. THE BRIDGE DECK PORTION UNDER THE PARAPET SHALL BE POURED LEVEL.
14. ALL REINFORCEMENT STEEL IS DESIGNATED IN METRIC UNITS.

BCD-507-2.3

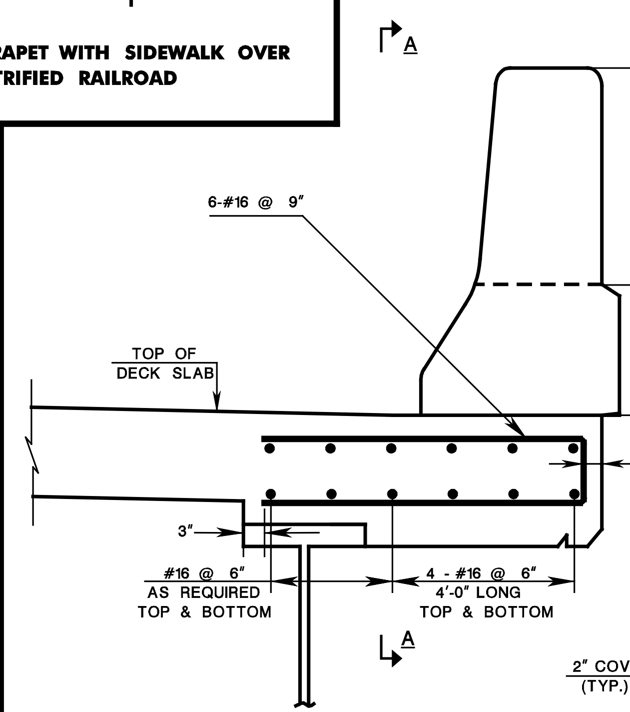


2'–10" HIGH PARAPET WITH BARRIER CURB



ELEVATION

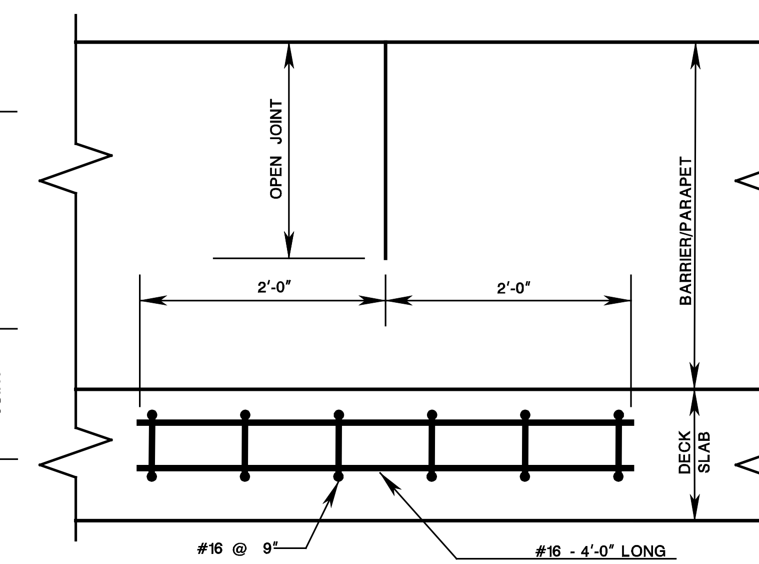
BCD-507-2.4



DETAIL 1

DECK REINFORCEMENT STEEL AT BARRIER/PARAPET JOINTS

BCD-507-2.5



SECTION A–A

2'–8", 2'–10" AND 6'–6" PARAPETS

N.T.S.

BCD-507-2

NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURAL ENGINEERING

BRIDGE CONSTRUCTION DETAILS

BDC11D-01 - NOTE 1 CURB HEIGHT
BDC07D-01-ORIGINAL SHEET

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