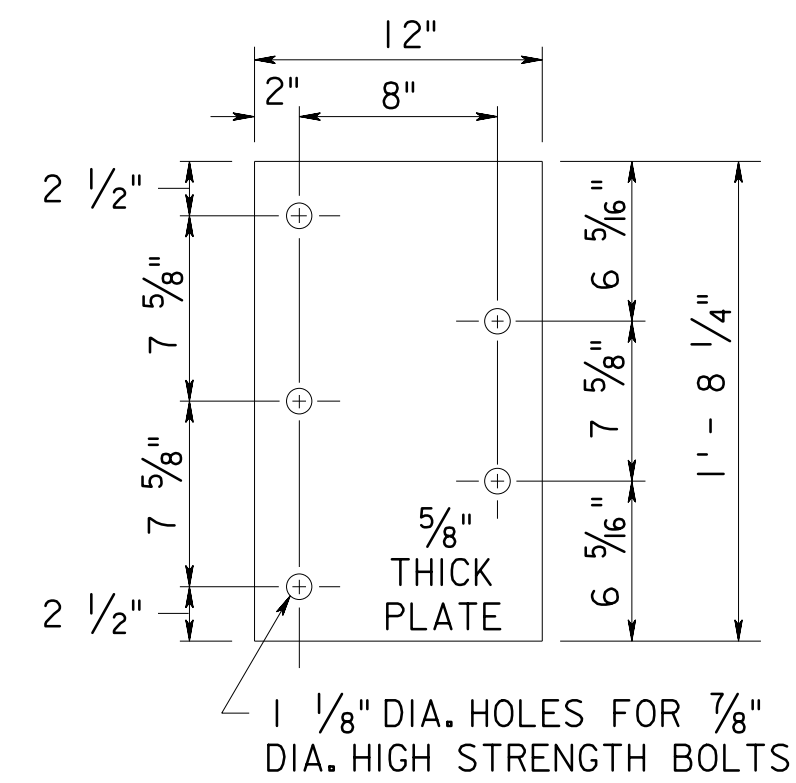
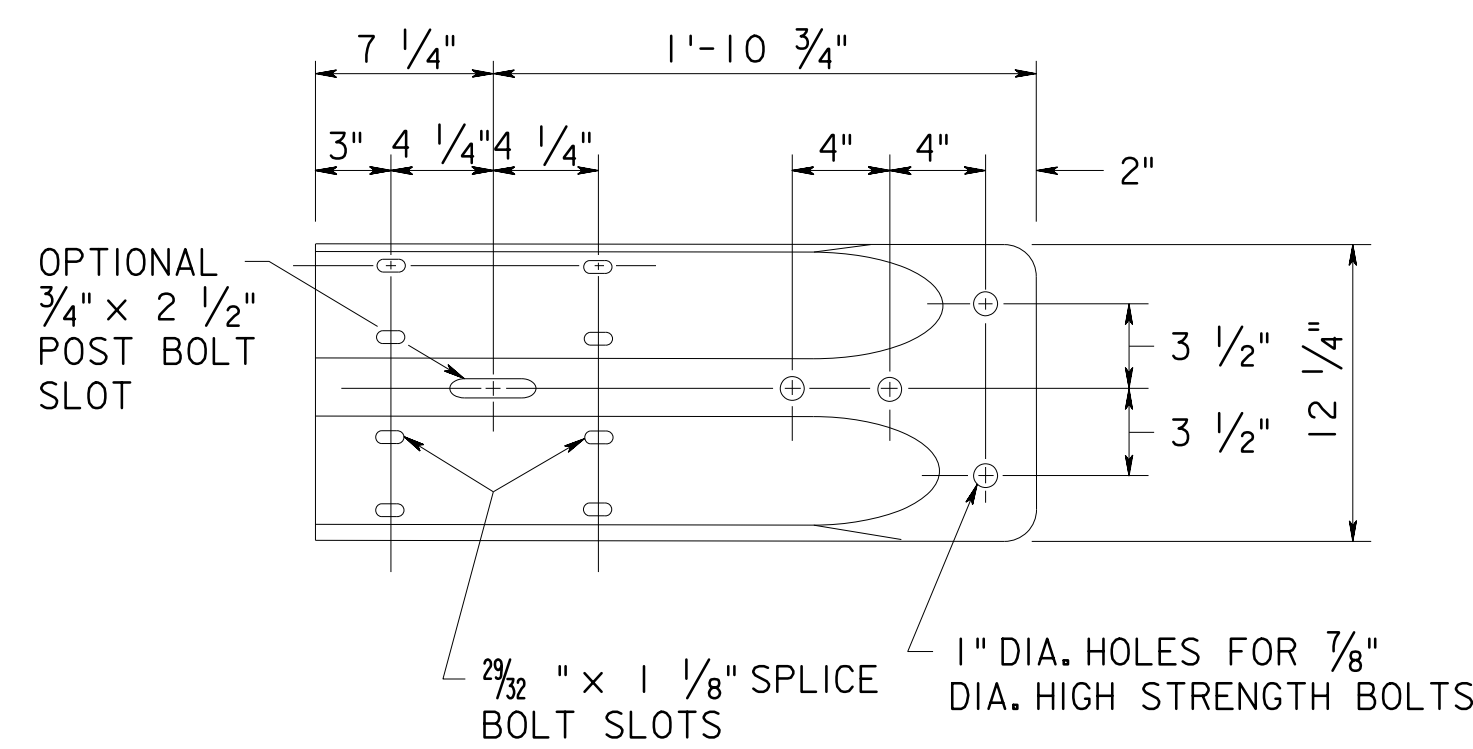
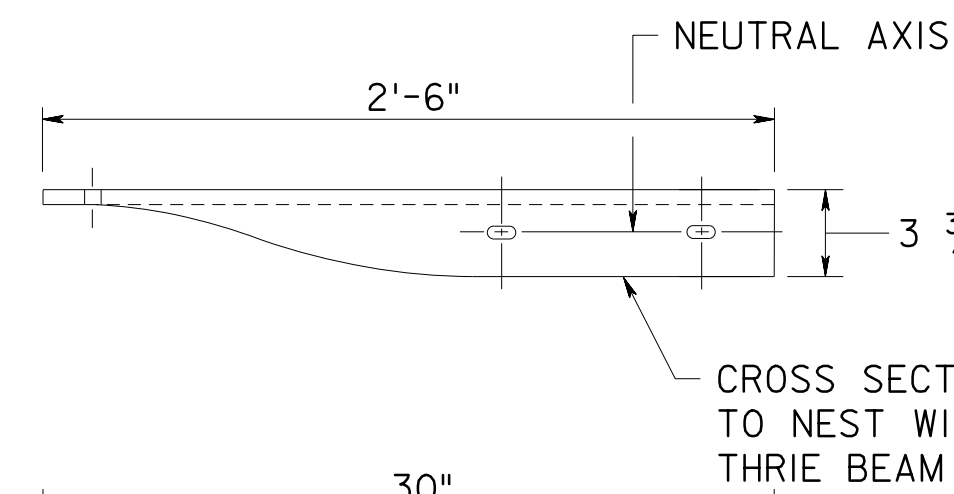
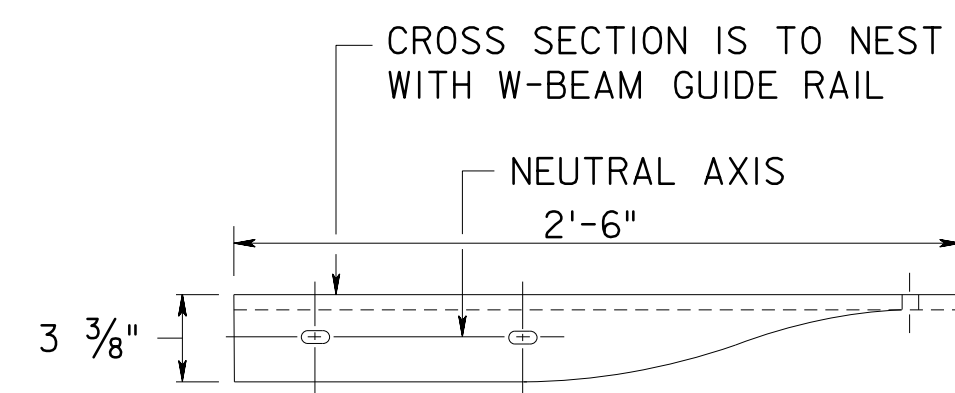


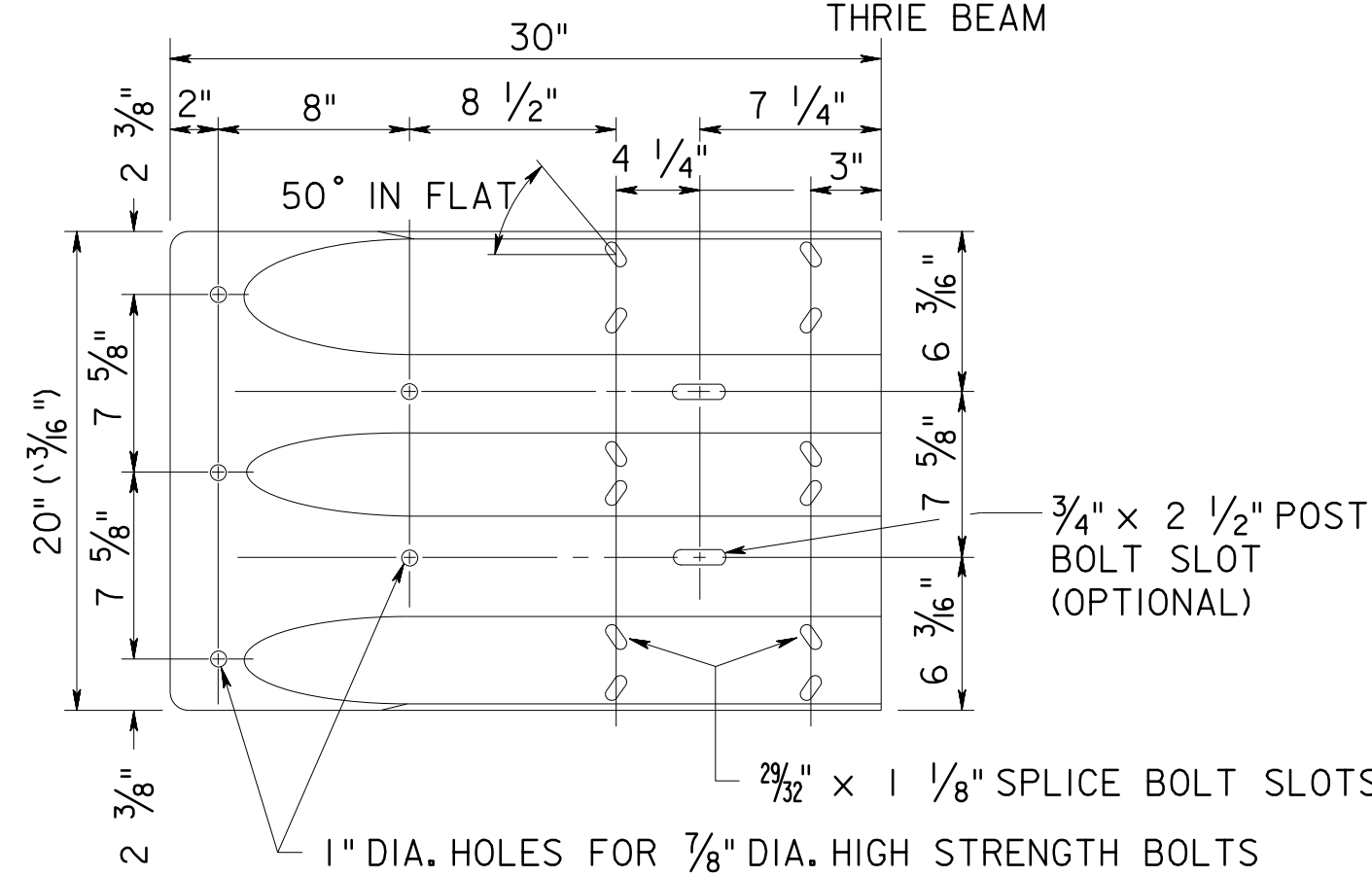
**BACKUP PLATE FOR W-BEAM
TERMINAL CONNECTOR**



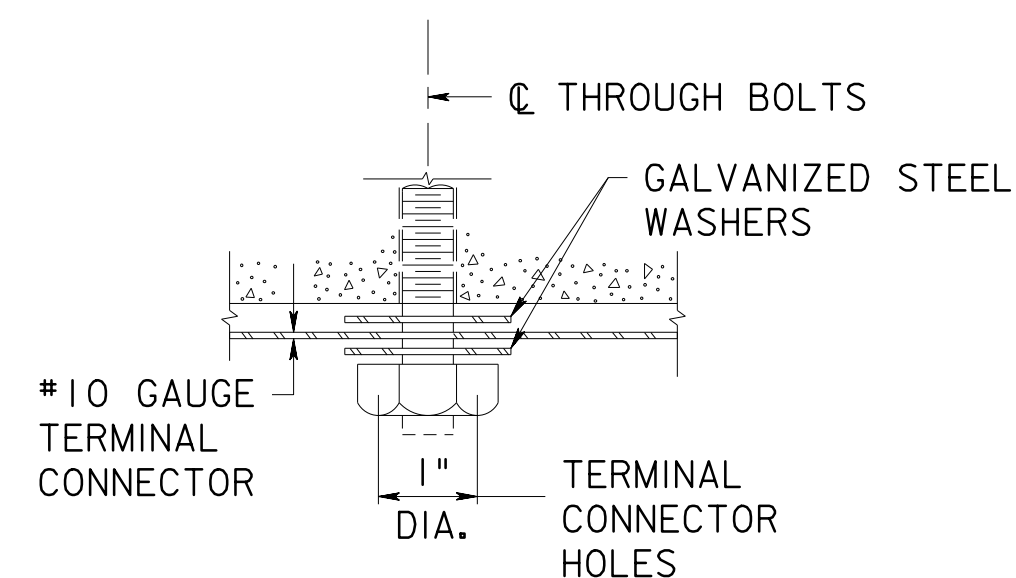
**BACKUP PLATE FOR THRIE
BEAM TERMINAL CONNECTOR**



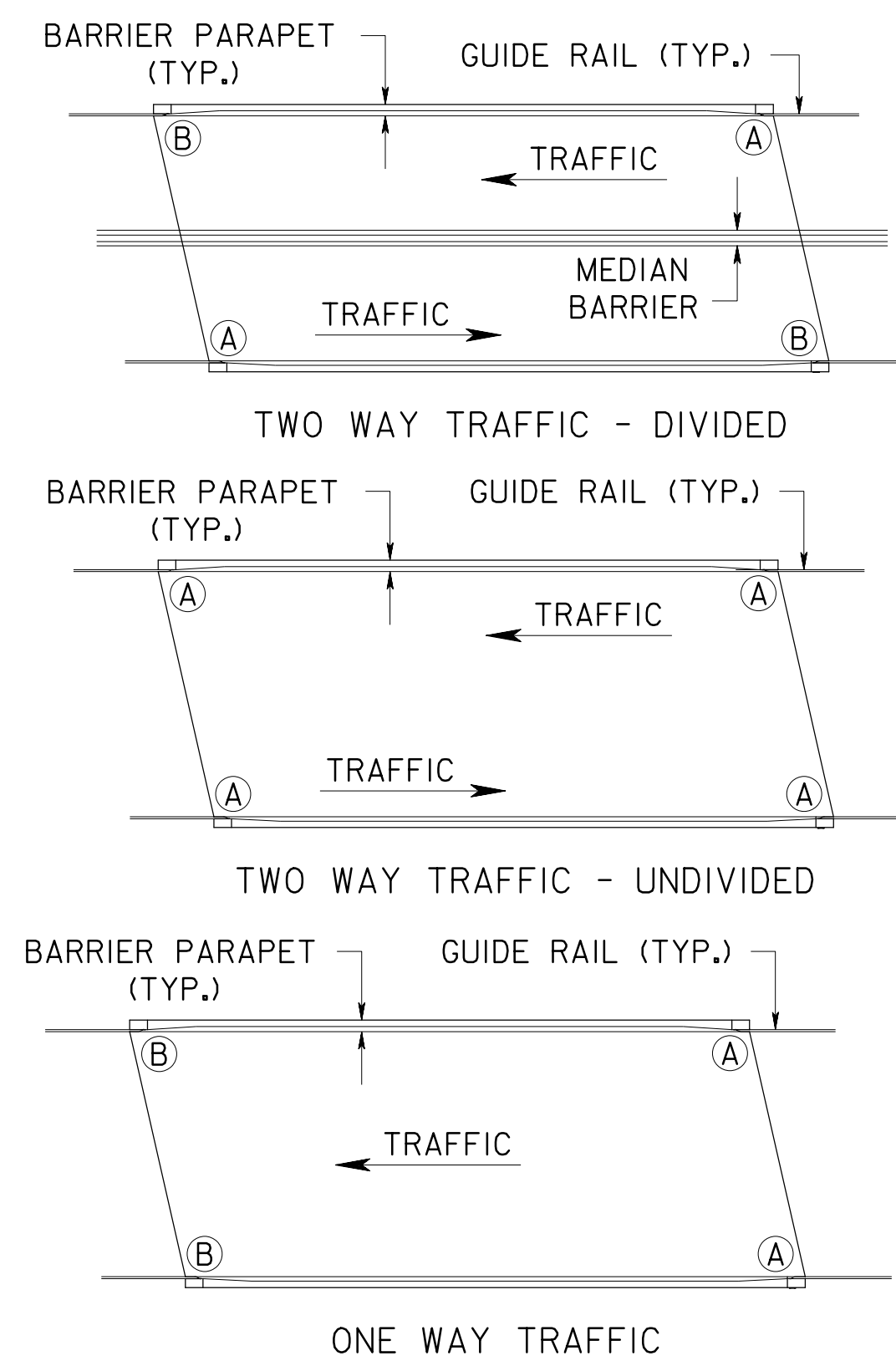
**W-BEAM TERMINAL CONNECTOR
(10 GAUGE)**



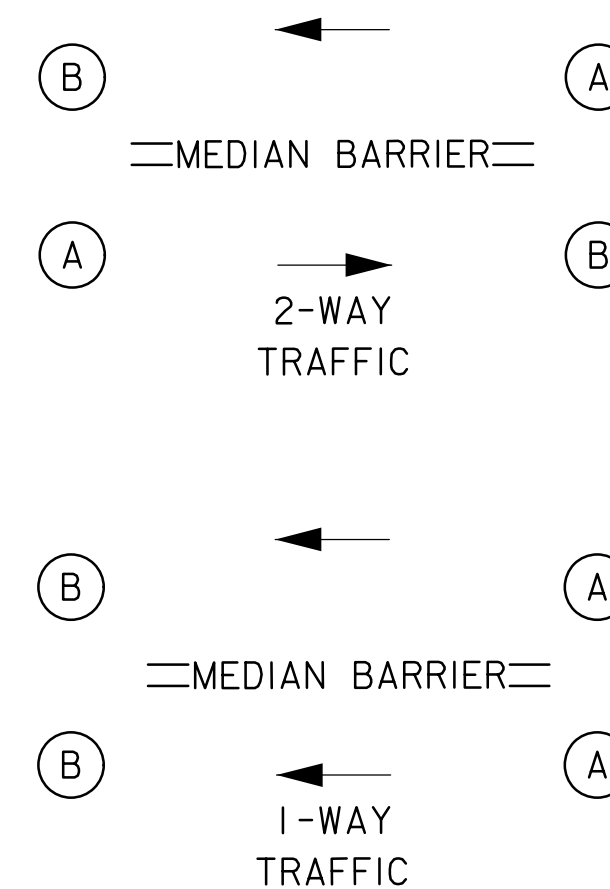
**THRIE BEAM TERMINAL CONNECTOR
(10 GAUGE)**



TERMINAL ANCHORAGE



BARRIER PARAPET CONNECTION TYPES

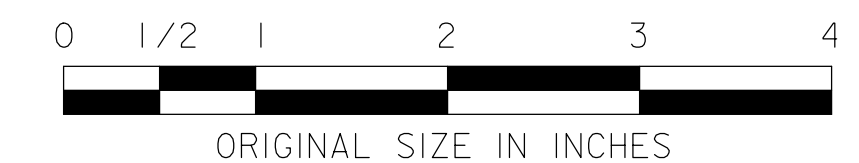


MEDIAN BARRIER CONNECTION TYPES

GENERAL NOTES FOR PARAPET CONNECTIONS (GR-13, GR-14, GR-15, AND GR-16)

- THIS GUIDE RAIL TRANSITION IS APPROPRIATE FOR CONNECTION TO A VERTICAL CONCRETE SHAPE AND SHOULD NOT BE CONNECTED DIRECTLY TO A CONCRETE SAFETY SHAPE. CONCRETE SAFETY SHAPE BARRIER SHOULD BE TRANSITIONED TO A VERTICAL SHAPE AT THE GUIDE RAIL CONNECTION.
- FOR RECOMMENDED ATTACHMENT, REFER TO BARRIER PARAPET AND MEDIAN BARRIER CONNECTION TYPE DETAILS ON THIS SHEET.
- ALL CROSS SLOPES BETWEEN THE PAVEMENT EDGE AND POSTS SHALL BE 10H:1V OR FLATTER.
- SEE GR-10 FOR ADDITIONAL POST LENGTHS AS NEEDED FOR GRADING CONDITIONS SHOWN ON PLANS.
- ALL POST MOUNTING HOLES ARE TO BE SHOP PUNCHED OR DRILLED BEFORE GALVANIZATION. NO FIELD DRILLING WILL BE PERMITTED.
- GARDEN STATE PARKWAY RAIL ELEMENTS AND POSTS TO BE PRE-STAINED PRIOR TO INSTALLATION TO CREATE A RUSTIC BROWN MATTE FINISH. REFER TO SPECIFICATIONS FOR STAIN TREATMENT.
- LOCATE CONDUIT AT END OF BARRIER PARAPETS SO AS NOT TO INTERFERE WITH GUIDE RAIL POST SPACING.
- LOCATE DRAINAGE INLETS AND ELECTRICAL JUNCTION BOXES ON APPROACHES SO AS NOT TO INTERFERE WITH GUIDE RAIL POST SPACING.
- THE THICKNESS OF W-BEAM AND THRIE BEAM RAIL ELEMENTS SHALL BE 12-GAUGE. THICKNESS OF TRANSITION SECTIONS AND TERMINAL CONNECTORS SHALL BE 10 GAUGE. SEE GR-18.
- FOR ADDITIONAL THRIE BEAM AND W-BEAM DETAILS REFER TO STANDARD DRAWINGS GR-1 AND GR-18.
- ONE-WAY TRAFFIC CONFIGURATION SHOWN. FOR TWO-WAY TRAFFIC, CONSTRUCT TYPE A AND TYPE B BARRIER TRANSITIONS AND CONNECTIONS SYMMETRICAL TO THE CENTER LINE OF THE BARRIER.
- SEE CU-3, CU-4, DR-5, AND GR-9 FOR ASPHALT LIP CURB, PARAPET APPROACH LIP CURB, LIP CURB INLET, AND BERM SURFACING PLACEMENT.
- SEE W-BEAM AND THRIE BEAM TERMINAL CONNECTOR DETAILS THIS SHEET FOR BOLT HOLE DIMENSIONS AND BOLT PATTERN.
- REFER TO STANDARD DRAWING BR-7 FOR ADDITIONAL BARRIER PARAPET DETAILS AND NOTES. VERTICAL REINFORCEMENT STEEL TO EXTEND INTO DECK SLAB OR WING WALL AS SHOWN ON STANDARD DRAWING BR-7.
- STEEL FOR RAIL ELEMENTS, POSTS AND MISCELLANEOUS HARDWARE SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND ITS AMMENDMENTS.
- INSTALL PARAPET APPROACH LIP CURB FLUSH WITH BACK OF THE THRIE BEAM RAIL ELEMENT. WHERE LIP CURB IS PRESENT WITHIN THE W-BEAM GUIDE RAIL APPROACH, TRANSITION TO PARAPET APPROACH LIP CURB BETWEEN POSTS 11 AND 13 AS SHOWN ON GR-13. WHERE LIP CURB IS NOT PRESENT WITHIN THE W-BEAM APPROACH GUIDE RAIL, DEVELOP PARAPET APPROACH LIP CURB BETWEEN POSTS 11 AND 13 AS SHOWN ON GR-14. SEE PARAPET APPROACH LIP CURB DETAIL ON CU-3.
- WHERE THROUGH BOLTING OF THE PARAPET CONNECTION IS NOT POSSIBLE, CONCRETE ANCHORS MAY BE USED IN LIEU OF ANCHOR BOLTS. THE CONCRETE ANCHORS AND BONDING ADHESIVES SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND THE MANUFACTURER'S RECOMMENDATIONS.
- SEE MB-1 FOR ADDITIONAL NOTES AND INFORMATION PERTAINING TO THE CONCRETE MEDIAN BARRIER.

MASH TL-3



GENERAL NOTES FOR PARAPET CONNECTIONS (GR-13, GR-14, GR-15, AND GR-16) CONT'D

- IN MEDIANS WHERE DUAL FACE BEAM GUIDE RAIL IS PRESENT, TRANSITION FROM THE PARAPET CONNECTIONS WITH SINGLE FACE BEAM GUIDE RAIL TO MEET THE DUAL FACE BEAM GUIDE RAIL. THE FLARE RATE OF THE TRANSITIONS ARE TO BE AS SHOWN ON PLANS. FLARE TO BEGIN AT LEAST ONE FULL BEAM GUIDE RAIL ELEMENT SECTION OUTSIDE THE PARAPET CONNECTION PAY LIMITS.
- POSTS #1 THRU #6 SHALL BE 7'-2" LONG AND POSTS #7 THRU #12 SHALL BE 6'-0" LONG. SEE GR-18 FOR ADDITIONAL DETAILS.

NEW JERSEY TURNPIKE AUTHORITY
**NEW JERSEY TURNPIKE
 GARDEN STATE PARKWAY**
 STANDARD DRAWINGS

TERMINAL CONNECTORS

OFFICE OF THE CHIEF ENGINEER
 NEW JERSEY TURNPIKE AUTHORITY
 WOODBRIDGE, NEW JERSEY

STANDARD DRAWING
GR-17

REV.	DESCRIPTION	DATE
0	ORIGINAL DRAWING	07/21