PLAN
(For skews ≤ 30°)

- Inside face of parapet
- Strip seal joint

PLAN
(For skews > 30°)
Showing point block

- Skew 30°
- Inside face of parapet
- Strip seal joint
- Sliding plate
- 6" typ.

SECTION C-C

- *$\frac{3}{4}$" φ x 6" Studs, typ.
- 1'-0"
- $\frac{3}{8}$" Embedded plate full depth
- 6" Min. lap
- $\frac{3}{4}$" Embedded plate full depth
- $\frac{3}{8}$"
- $\frac{1}{2}$" Sliding plate
- $\frac{3}{8}$" φ Countersunk bolts at ±9" cts.
- 3" 6" 3"
- 1'-0"
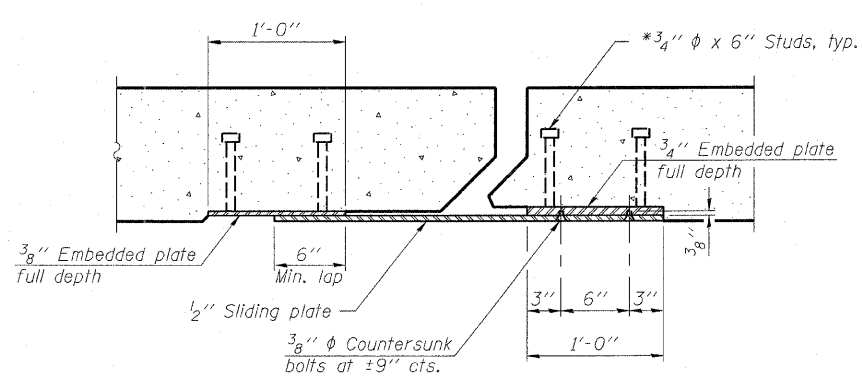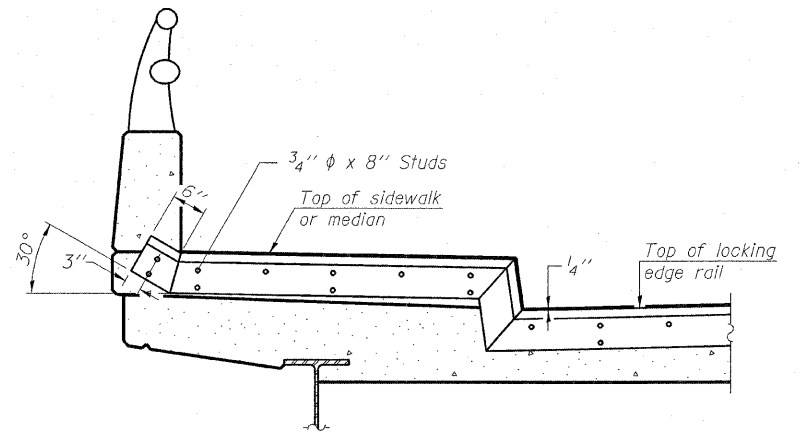
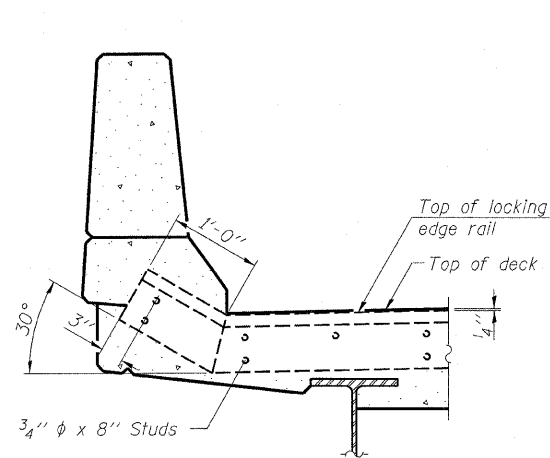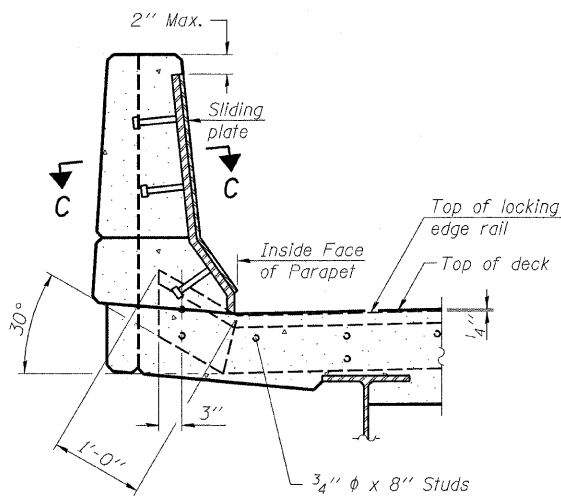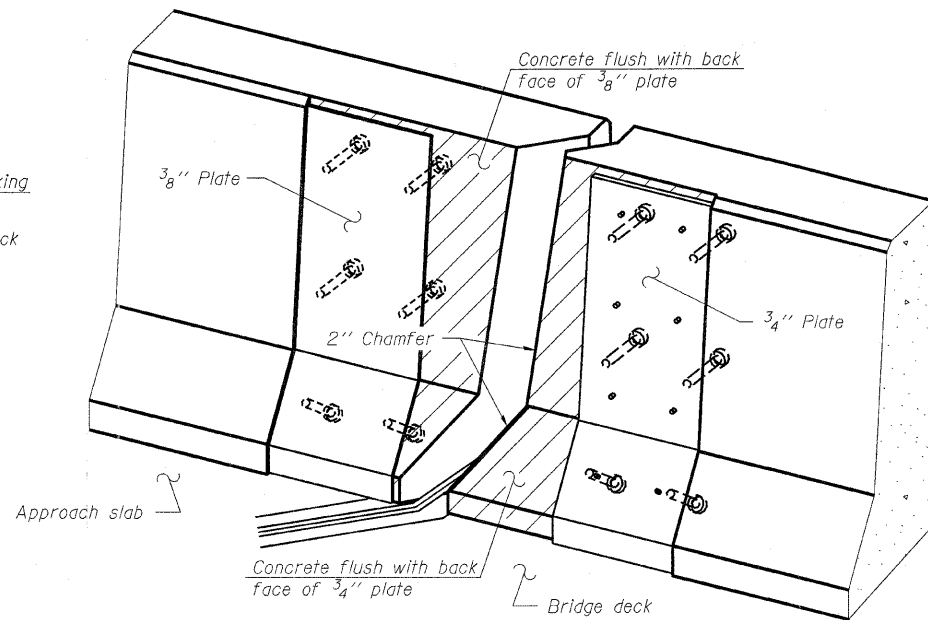## TYPICAL END TREATMENT AT SIDEWALK OR MEDIAN

Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.
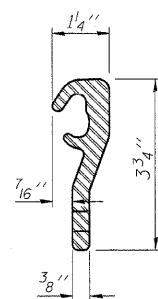
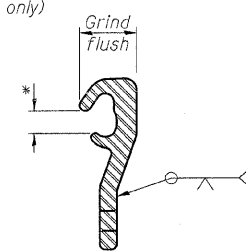- $\frac{3}{4}$" φ x 8" Studs
- Top of sidewalk or median
- 30°
- 3"
- 6"
- $\frac{1}{4}$"
- Top of locking edge rail

SECTION A-A

- Top of locking edge rail
- Top of deck
- 1'-0"
- 30°
- 3"
- $\frac{1}{4}$"
- $\frac{3}{4}$" φ x 8" Studs

*Omit weld at seal opening.
**When joint is fixed, dimension is set at $1\frac{1}{2}$".

SECTION B-B

- 2" Max.
- Sliding plate
- Inside Face of Parapet
- Top of locking edge rail
- Top of deck
- 30°
- 3"
- 1'-0"
- $\frac{3}{4}$" φ x 8" Studs

TRIMETRIC VIEW
(Showing back plates only)

- Concrete flush with back face of $\frac{3}{8}$" plate
- $\frac{3}{8}$" Plate
- 2" Chamfer
- $\frac{3}{4}$" Plate
- Approach slab
- Concrete flush with back face of $\frac{3}{4}$" plate
- Bridge deck

SECTION THRU STRIP SEAL JOINT FOR OVERLAY OVER DECK BEAMS

- Locking edge rail
- Top of slab
- Continuous strip seal
- $1\frac{1}{2}$" at 50° F
- Center
- $\frac{1}{4}$"
- $2\frac{3}{8}$" at 50° F
- $\frac{7}{16}$" φ holes at 4'-0" cts. for $\frac{3}{8}$" φ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.
- Place $\frac{1}{2}$" φ x 6" granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded at 1'-0" alt. cts.

LOCKING EDGE RAIL

- $1\frac{1}{4}$"
- $3\frac{3}{4}$"
- $\frac{7}{16}$"
- $\frac{3}{8}$"

LOCKING EDGE RAIL SPLICE

- Grind flush

Notes:
The strip seal shall be made continuous and shall have a minimum thickness of $\frac{1}{4}$". The configuration of the strip seal shall match the configuration of the Locking Edge Rails.
The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed.
The inside of the Locking Edge Rail groove shall be free of weld residue.
Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.
The manufacturer's recommended installation methods shall be followed.

Notes:
The strip seal shall be made continuous and shall have a minimum thickness of $\frac{1}{4}$". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.
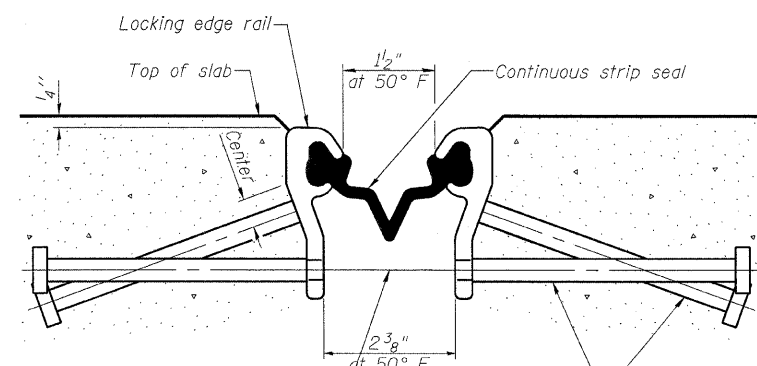The manufacturer's recommended installation methods shall be followed.
The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
Maximum space between rail segments at stage lines shall be $\frac{3}{16}$", sealed with a suitable sealant.
Parapet plates and anchorage studs for skews > 30° included in the cost of Preformed Joint Strip Seal.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	167.0