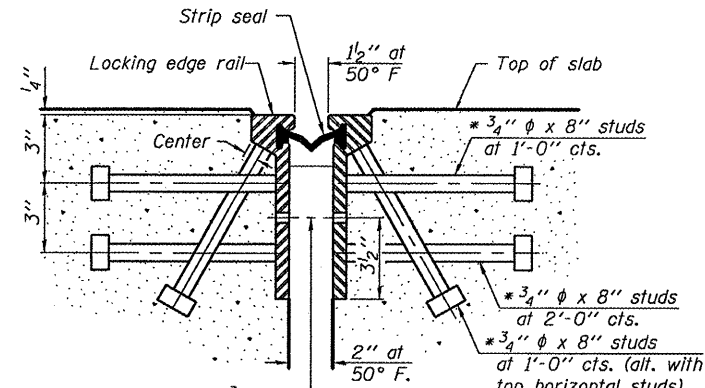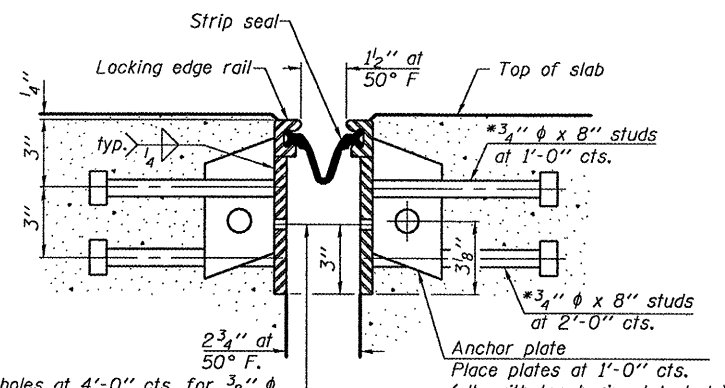* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.
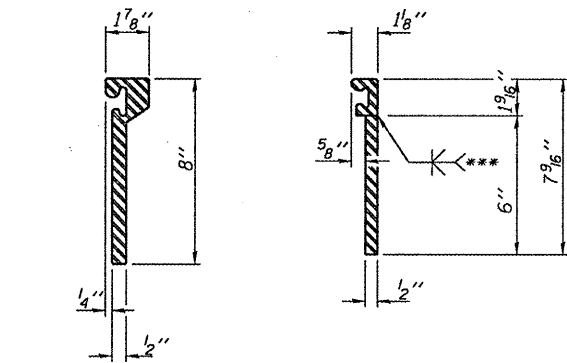
Notes:
    The strip seal shall be made continuous and shall have a minimum thickness of $\frac{1}{4}$". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
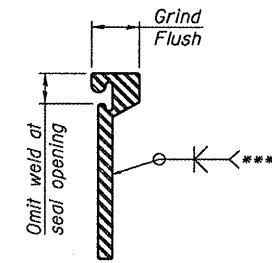   The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.
    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.

SECTION THRU ROLLED RAIL JOINT
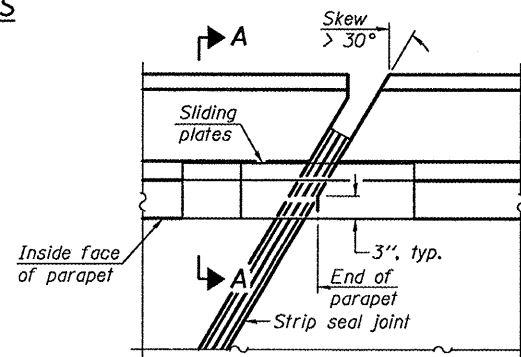
$\frac{7}{16}$" ∅ holes at 4'-0" cts. for $\frac{3}{8}$" ∅ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

Strip seal
Locking edge rail
$1\frac{1}{2}$" at 50° F
Top of slab
Center
*$\frac{3}{4}$" ∅ x 8" studs at 1'-0" cts.
2" at 50° F.
*$\frac{3}{4}$" ∅ x 8" studs at 2'-0" cts.
*$\frac{3}{4}$" ∅ x 8" studs at 1'-0" cts. (alt. with top horizontal studs).

SECTION THRU WELDED RAIL JOINT

$\frac{7}{16}$" ∅ holes at 4'-0" cts. for $\frac{3}{8}$" ∅ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

Strip seal
Locking edge rail
$1\frac{1}{2}$" at 50° F
Top of slab
typ.
*$\frac{3}{4}$" ∅ x 8" studs at 1'-0" cts.
$2\frac{3}{4}$" at 50° F.
Anchor plate
Place plates at 1'-0" cts. (alt. with top horizontal studs)
*$\frac{3}{4}$" ∅ x 8" studs at 1'-0" cts.

LOCKING EDGE RAILS

ROLLED EXTRUDED RAIL

WELDED RAIL

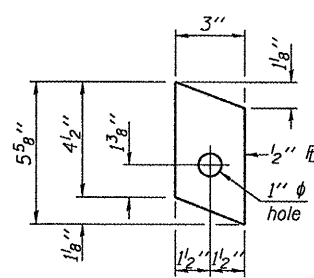***Back gouge not required if complete joint penetration is verified by mock-up.

Grind Flush
Omit weld at seal opening

LOCKING EDGE RAIL SPLICE
The inside of the locking edge rail groove shall be free of weld residue.

ANCHOR ℞
(for welded rail)

$\frac{1}{2}$" ℞
1" ∅ hole

TYPICAL END TREATMENTS

AT PARAPET

Top of locking edge rail
Top of deck

AT SIDEWALK OR MEDIAN
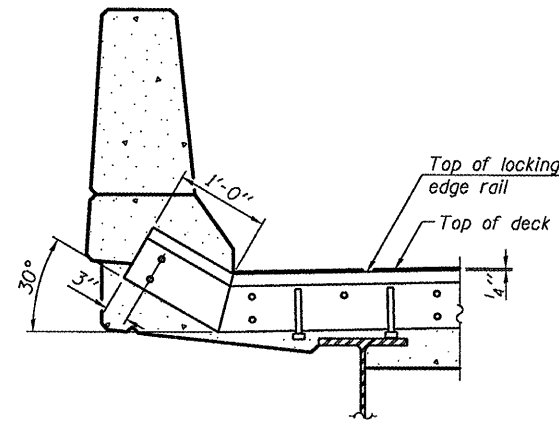
Top of sidewalk or median
Top of locking edge rail
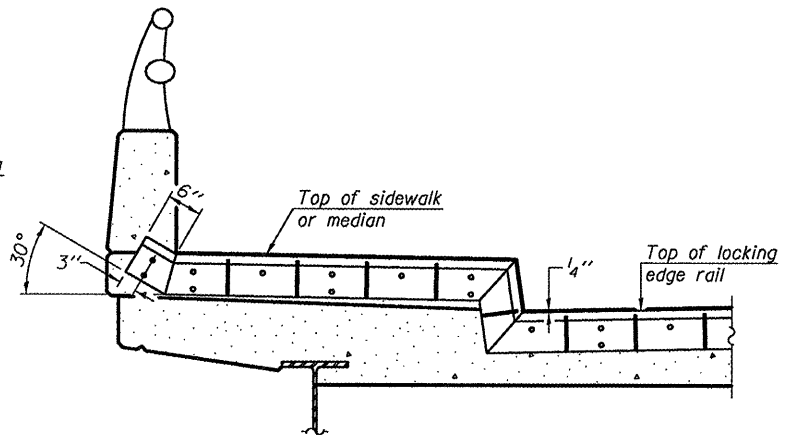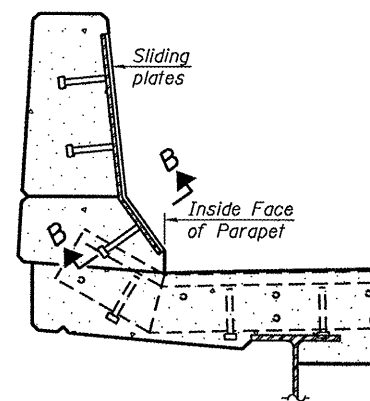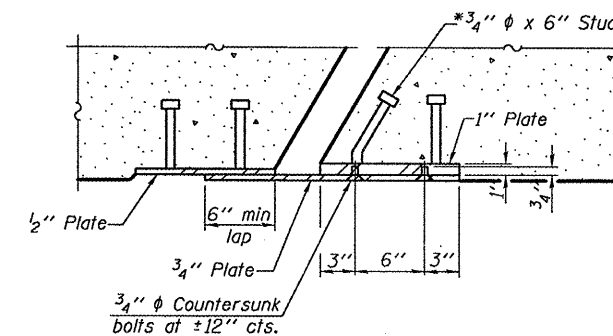
Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.

PLAN

Skew > 30°
Sliding plates
Inside face of parapet
3", typ.
End of parapet
Strip seal joint

SECTION A-A
POINT BLOCK DETAILS
(for skews > 30°)

Sliding plates
Inside Face of Parapet

SECTION B-B

*$\frac{3}{4}$" ∅ x 6" Studs
1" Plate
$\frac{1}{2}$" Plate
6" min lap
$\frac{3}{4}$" Plate
$\frac{3}{4}$" ∅ Countersunk bolts at ±12" cts.
3" 6" 3"

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	90

PREFORMED JOINT STRIP SEAL
STRUCTURE NO.
050-0159

EJ-SSJ   10-1-08