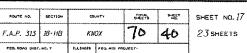


\*\*When joint is fixed, dimension is set at  $1^l_2$ ".

### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

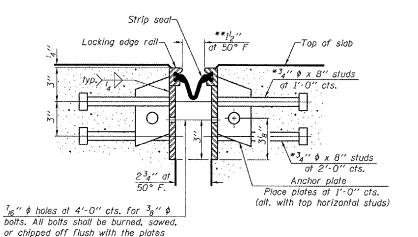


23 SHEETS

Top of locking edge rail

Contract #68190

# Strip seal-Locking edge rail-Top of slab at 1'-0" cts. at 2'-0" cts. \*34" \$ x 8" studs at 1'-0" cts, (alt, with top horizontal studs). $^{7}_{16}$ " $\phi$ holes at 4'-0" cts. for $^{3}_{8}$ " $\phi$ bolts. All bolts shall be burned, sawed.



Notes:

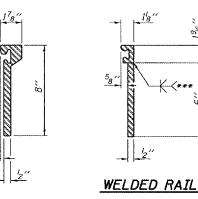
The strip seal shall be made continuous and shall have a minimum thickness of 4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 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.

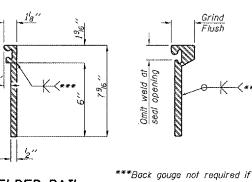
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

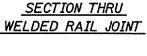
## SECTION THRU ROLLED RAIL JOINT

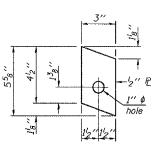


or chipped off flush with the plates

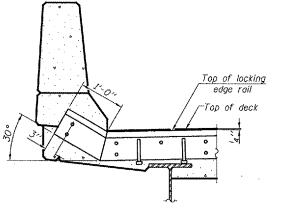
after forms are removed, typ.











AT PARAPET



Top of 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.

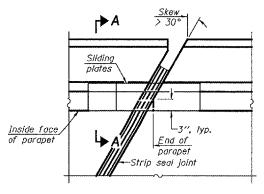
## ROLLED (EXTRUDED) RAIL

## LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue.

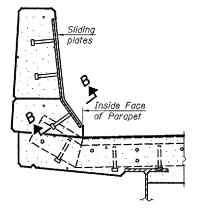
complete joint penetration is verified by mock-up.

### LOCKING EDGE RAILS



PLAN

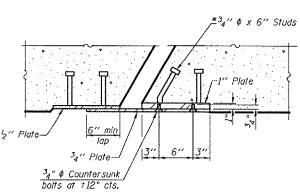
after forms are removed, typ.



SECTION A-A

POINT BLOCK DETAILS (for skews > 30°)

## TYPICAL END TREATMENTS



SE	C7	IC	N	B-	В	
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PREFORMED JOINT STRIP SEAL F.A.P. RT. 313 SECTION 18-HB KNOX COUNTY STATION 20+11.14 STRUCTURE NO. 048-0069

BILL OF MATERIAL

Preformed Joint Strip Seal Foot

Unit

Total

62.0

DESIGNED Stephen M. Ryan CHECKED Phillip R. Litchfield drawn R. Sommer

CHECKED EJ-SSJ

9-3-07