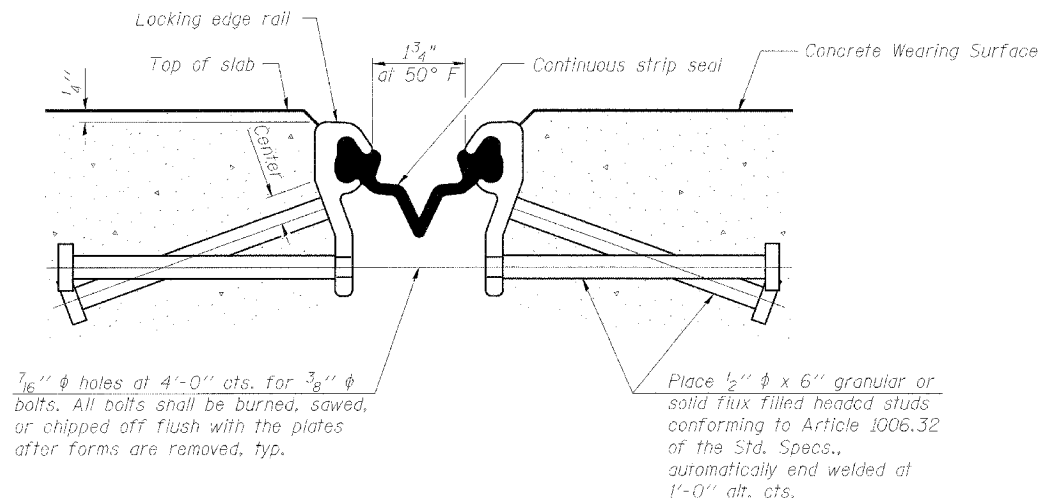


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.P. 368	1919 VB-R-1	Cook	47	34
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

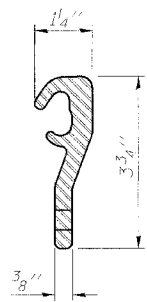
Contract # 60C11



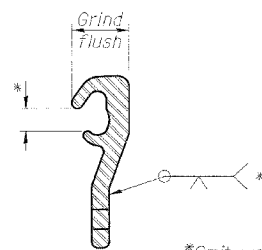
**SECTION THRU STRIP SEAL JOINT FOR OVERLAY OVER DECK BEAMS**

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

Place 1/2"  $\phi$  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**



**LOCKING EDGE RAIL SPLICE**

\*Omit weld at seal opening.

**Notes for Strip Seal:**

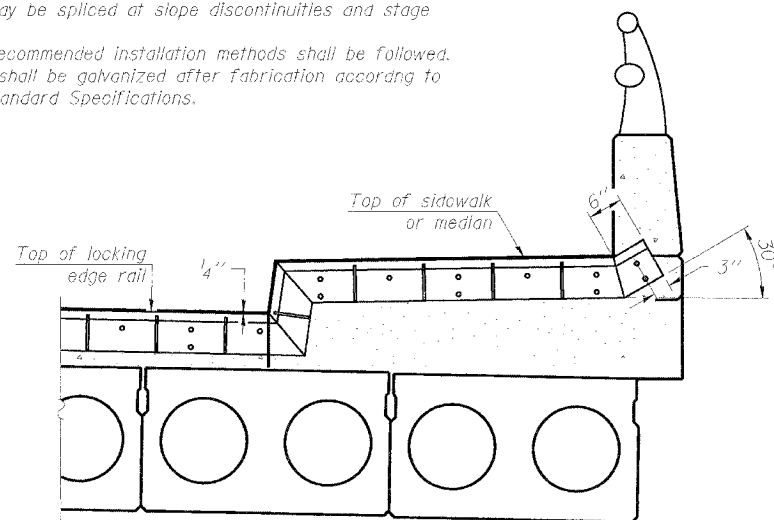
The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails.

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.

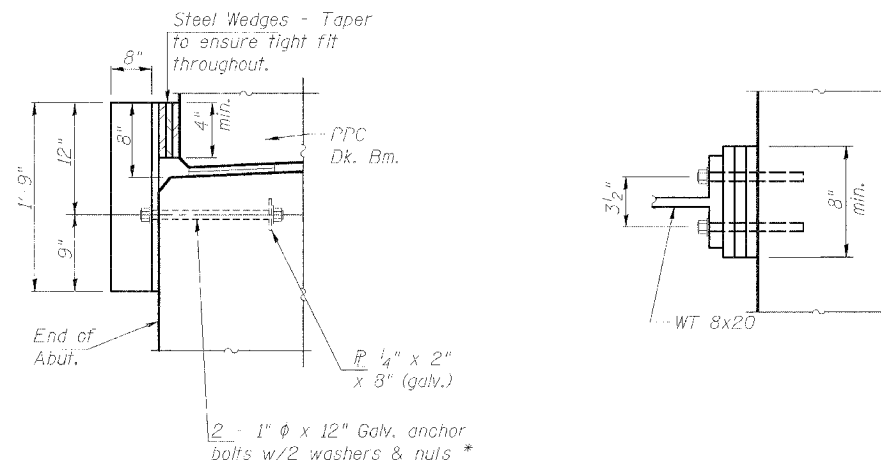
The manufacturer's recommended installation methods shall be followed.

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

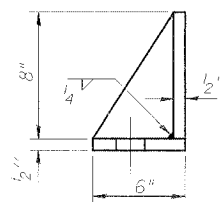


**TYPICAL END TREATMENTS AT SIDEWALK OR MEDIAN**

**STRIP SEAL AT EXPANSION JOINTS**

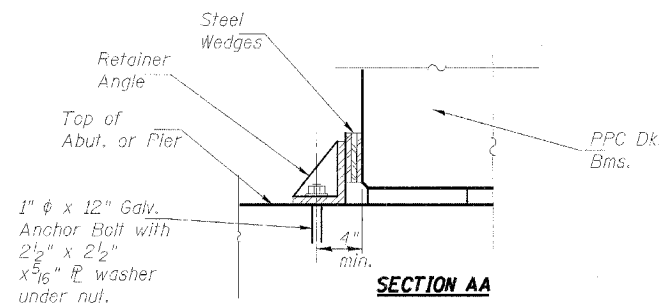


**ALTERNATE RETAINER**

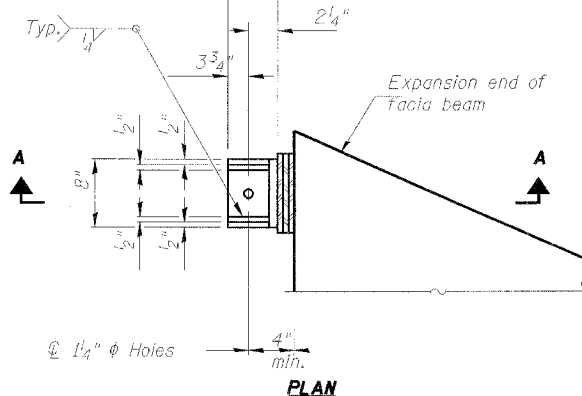


**RETAINER ANGLE**

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

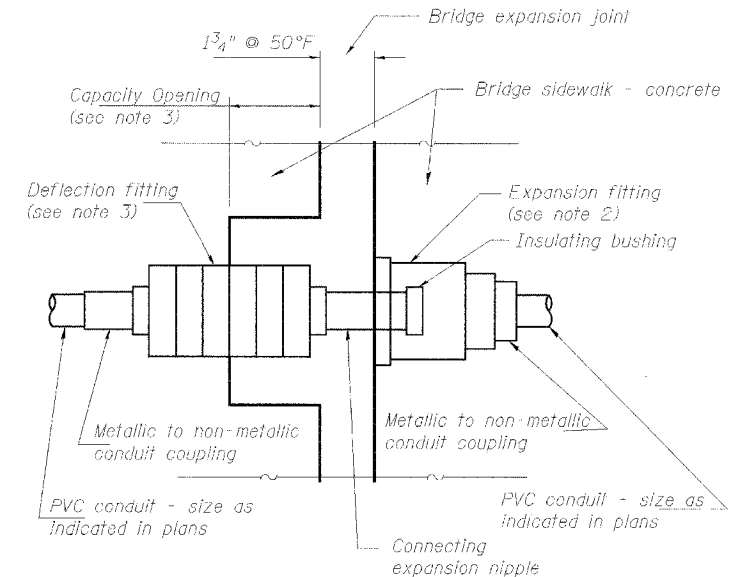


**SECTION AA**



**PLAN**

**PERMANENT AND TEMPORARY RETAINER ANGLES**



**Notes for Conduit Expansion Coupling:**

1. The contractor shall install a conduit expansion/deflection coupling at the joints in the concrete sidewalk on the bridge capable of accepting the longitudinal movement. The coupling shall be made of stainless steel and subject to approval by the Engineer. The cost of the coupling shall be a part of and incidental to the conduit system.
2. The barrel in the expansion fitting shall be fully embedded in the concrete on one side of the expansion joint.
3. One half of the length of the deflection fitting shall be embedded in the concrete on the other side of the expansion joint. A cavity opening 3" larger than the diameter of the deflection sleeve length shall be provided to ensure proper performance of the coupling.
4. Careful attention to joint movement over a range of temperatures shall be coordinated with the selection and installation of the coupling to ensure the range of movement of the coupling is not exceeded at temperature extremes.
5. All manufacturer's installation instructions shall be carefully followed to ensure optimum performance of the expansion/deflection coupling.
6. The contractor shall install couplings at all expansion joints.

**CONDUIT EXPANSION COUPLING**

**BILL OF MATERIAL**

Item	Unit	Total
Preformed Joint Strip Seal	Foot	307

**EXPANSION JOINT DETAILS  
F.A.P. 368 (PULASKI ROAD)  
OVER BRC RAILROAD,  
SECTION 1919 VB-R-1,  
COOK COUNTY, STA. 17+81.60  
STRUCTURE NO. 016-1020**

**STS Consultants**  
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IL Design Firm Reg. No. 184-001518

DESIGNED	DDB
CHECKED	LLV
DRAWN	MGM
CHECKED	DDB