

**STANDARD BAR SPLICER ASSEMBLY**

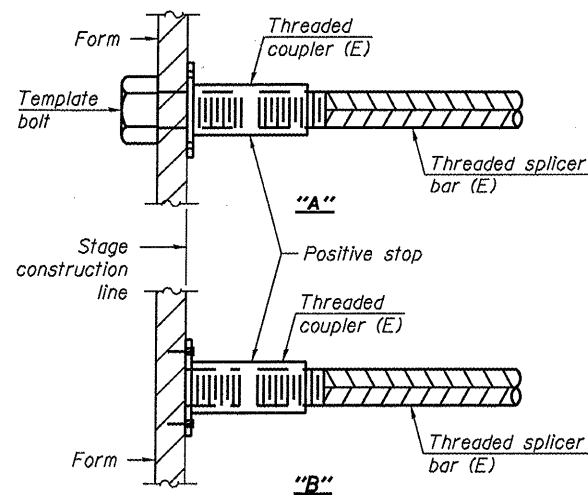
Minimum Lap Lengths					
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-3"
5	1'-9"	2'-5"	2'-7"	2'-11"	2'-10"
6	2'-1"	2'-11"	3'-1"	3'-5"	3'-4"
7	2'-9"	3'-10"	4'-2"	4'-8"	4'-6"
8	3'-8"	5'-1"	5'-5"	6'-2"	5'-10"
9	4'-7"	6'-5"	6'-10"	7'-9"	7'-5"

- Table 1: Black bar, 0.8 Class C
- Table 2: Black bar, Top bar lap, 0.8 Class C
- Table 3: Epoxy bar, 0.8 Class C
- Table 4: Epoxy bar, Top bar lap, 0.8 Class C
- Table 5: Epoxy bar, Top bar lap, Class B

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Abut. joints	#6	20	Table 3
Pavt. joints	#4	12	Table 3



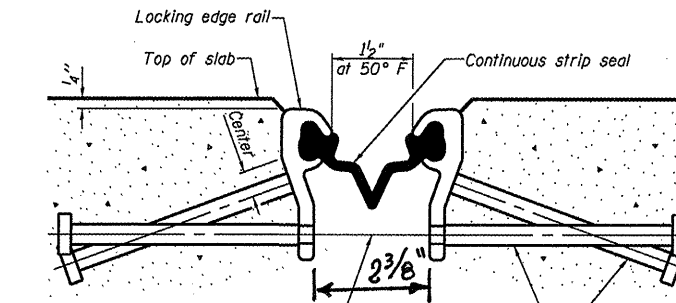
**INSTALLATION AND SETTING METHODS**

"A" : Set bar splicer assembly by means of a template bolt.  
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.  
 (E) : Indicates epoxy coating.

**NOTES**

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.  
 All reinforcement shall be lapped and tied to the splicer bars.  
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.  
 See special provision for Mechanical Splicers.  
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

**BAR SPLICER ASSEMBLY DETAILS FOR STRUCTURE NO. 006-0069**

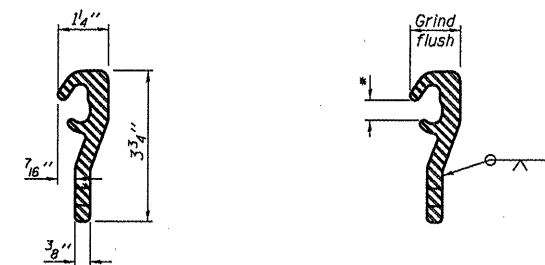


7/16" φ holes at 4'-0" cts. for 3/8" φ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

Place 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.

\*Omit weld at seal opening.  
 \*\*When joint is fixed, dimension is set at 1 1/2".

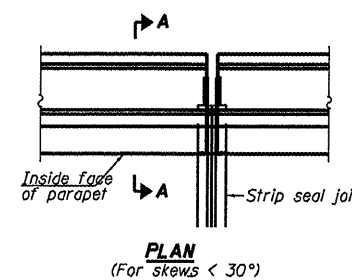
**SECTION THRU STRIP SEAL JOINT FOR OVERLAY OVER DECK BEAMS**



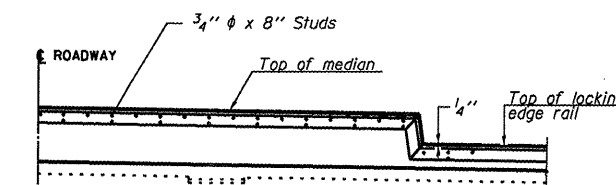
**LOCKING EDGE RAIL**

**LOCKING EDGE RAIL SPLICE**

Notes:  
 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.



**PLAN**  
(For skews < 30°)



**TYPICAL END TREATMENT AT 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.

**BILL OF MATERIAL**

Item	Unit	Total
Preformed Joint Strip Seal	Foot	115

**PREFORMED JOINT STRIP SEAL DETAILS FOR STRUCTURE NO. 006-0069**

FILE NAME =	USER NAME = carpentardj	DESIGNED - RLW	REVISED -
c:\pwwork\pwwork\carpentardj\d8299254\366C16-shd-details.dgn		DRAWN - RLW	REVISED -
PLOT SCALE = 1/8" = 1'-0"		CHECKED -	REVISED -
PLOT DATE = 4/5/2012		DATE -	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS FOR STRUCTURE NO. 046-0069**

SCALE: SHEET 6 OF 12 SHEETS STA. 28+98.21 TO STA. 31+43.29

F.A.S. RTE. 2247	SECTION 106-1HB-211-2	COUNTY BUREAU	TOTAL SHEETS 22	SHEET NO. 16
			CONTRACT NO. 66C16	
ILLINOIS FED. AID PROJECT				