

STANDARD BAR SPLICER ASSEMBLY

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

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

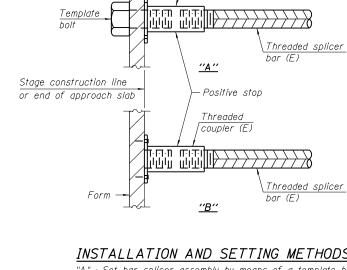
Table 5: Epoxy bar, Class C

Table 6: Epoxy bar, Top bar top, Class C

Threaded splicer bar length = min. lap length + $1\frac{1}{2}$ " + 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
Superstructure	#5	50	3
Abutment Blockouts	#6	8	3
Abutment Caps	#5	10	3



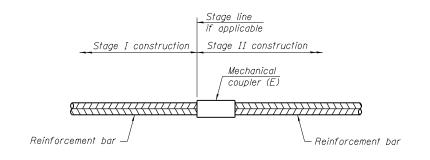
Form

INSTALLATION AND SETTING METHODS

coupler (E)

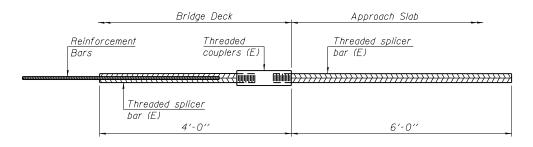
"A": Set bar splicer assembly by means of a template bolt. "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E): Indicates epoxy coating.



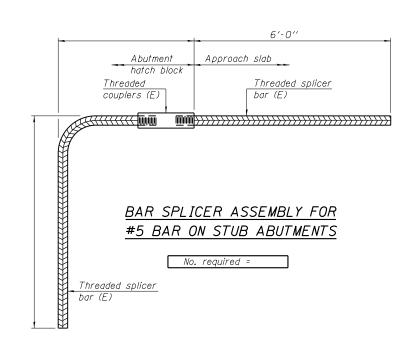
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No, required =



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 approved list of bar splicer assemblies and mechanical splicers for alternatives.

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S, INC.		CHECKED	-	ACS	REVISED -	
	PLOT SCALE =	DRAWN	-	WJS	REVISED -	
	PLOT DATE = 1:55:57 PM 8/15/2013	CHECKED	-	CJF & BB	REVISED -	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO. 025-0002		(25-4HB)I-4	EFFINGHAM	1760	1687
STHOUTONE NO. 023-0002		SN 025-0002	CONTRACT	T NO. 7	4295
SHEET NO. 10 OF 28 SHEETS	FF0 00	AD DIST NO 7 THE INDIS EED AT	ID DDO IECT		