

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

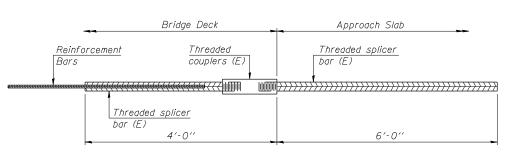
Table 5: Epoxy bar, Class C

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

Threaded splicer bar length = min. lap length + l_2''' + thread length

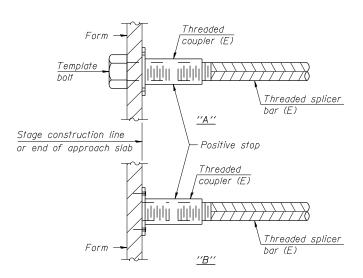
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

l ocation	Bar	No. assemblies	Table for minimum	
Locarion	size	required	lap length	
Top Slab, Top	#4	39	4	
Top Slab, Bottom	#6	52	3	
Bottom Slab, Top	#5	40	4	
Bottom Slab, Bottom	#5	40	3	
Walls	#5	52	4	



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

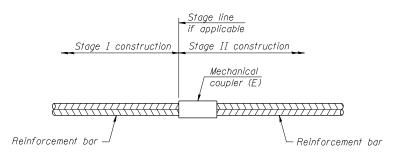
No. required = 0



INSTALLATION AND SETTING METHODS

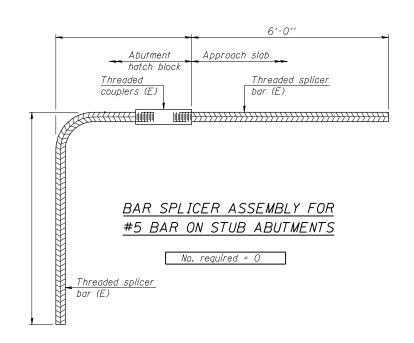
"A": Set bar splicer assembly by means of a template bolt. "B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E): Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
NA		



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

BSD-1

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USER NAME = has	DESIGNED	-	JTS	01/12	REVISED -	
ESCA PROJECT NO. 988.10	CHECKED	-	JAF/RDP	02/12	REVISED -	STATE OF ILLING
PLOT SCALE = 0:2 ':' / IN.	DRAWN	-	HAS	02/12	REVISED -	DEPARTMENT OF TRANS
PLOT DATE = 6/4/2014 8:11:51 AM	CHECKED	-	JTS	03/12	REVISED -	

NOIS ISPORTATION

BAR SPLIC	ER ASSEMBLY Struc			IANICAL 11–2021	SPLICER	DETAILS
	SHEET I	٧٥. 6	OF 9	SHEETS		

alternatives.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.	
849	113B-1	JEFFERSON	36	27	
			CONTRACT	NO. 7	8210
	ILLINOIS	FED. Al	D PROJECT		