

## STANDARD BAR SPLICER ASSEMBLY

Wisimum Lan Longths									
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

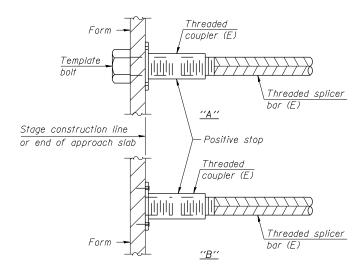
Table 5: Epoxy bar, Class C

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

Threaded splicer bar length = min. lap length +  $1^{l_2}$ " + thread length

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

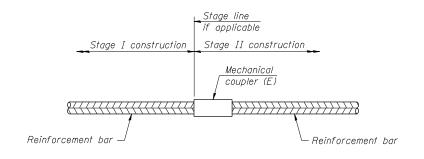
Location	Bar size	No. assemblies required	Table for minimum lap length
Approach footing	#5	80	3
Approach slabs	#5	92	3
Approach slabs	#4	50	4
Deck	#5	370	3
End diaphragm	#6	10	3
Pier caps	#7	14	4
Pier stems	#5	78	3
Abutment caps	#7	24	4



## INSTALLATION AND SETTING METHODS

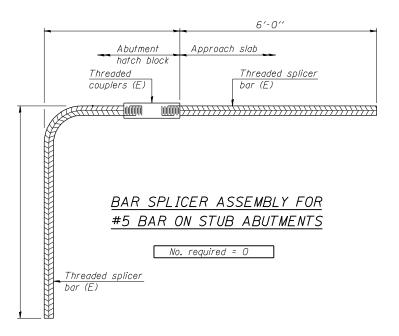
"A": Set bar splicer assembly by means of a template bolt.
"B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E): Indicates epoxy coating.



## STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required		



## <u>NOTES</u>

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.

BSD-1

ESCA CORBULTANTS, INC.

8-31-12								
USER NAME = kah		DESIGNED	-	SHL	07/13	REVISED	-	
ESCA PROJECT NO. 1035.03		CHECKED	-	RDP	09/13	REVISED	-	
PLOT SCALE = 0:2 ':' / IN.		DRAWN	-	KAH	07/13	REVISED	-	
PLOT DATE = 1/22/2014	5:24:21 PM	CHECKED	-	SHL	08/13	REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR	SPLICER	ASSEMBLY STRUC			HANICAL 35–0017	SPLICER	DETAILS
		SHEET N	NO. 24	OF 29	SHEETS		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE.				
782	115B-1	HARDIN	70	47				
			CONTRACT	NO. 7	8263			
ILLINOIS FED. AID PROJECT								