STANDARD BAR SPLICER ASSEMBLY

Minimum Lap Lengths							
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4			
- 3, 4	1'-5"	1'-11''	2'-1"	2'-4"			
5	1'-9''	24.5"	2'-7"	2'-11''			
6"	2'-1"	2'-11''	3'-1"	3'-6"			
7	.2'-9"	. 3'-10''	4'-2"	4'-8''			
. 8	3'-8''	5'-1"	5′-5″	6'-2"			
9	4'-7''	6'-5"	6'-10''	7'-9''			

Table 1: Black bar, 0.8 Class C

Table 2: Black bar, Top bar lap, 0.8 Class C

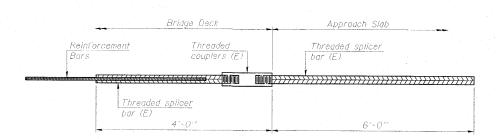
Table 3: Epoxy bar, 0.8 Class C

Table 4: Epoxy bar, Top bar lap, 0.8 Class C

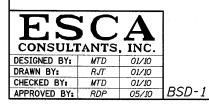
Threaded splicer bar length = min. lap length + $1_2^{\prime\prime}$ + thread length

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

l ocation	Bar	No. assemblies	Table for minimum	
LUGUTION	size	required	lap length	
Wearing Surface	#4	120	3	
Appr. Footing	-#5	80	3	
Appr. Slab top	#4	50	3	
Appr. Slab bott.	#5	92	3	
Abut. Backwalls	#5	. 10	3	

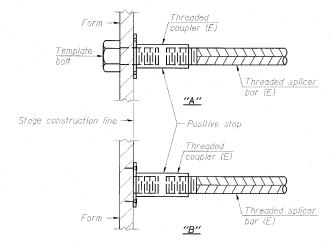


BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS



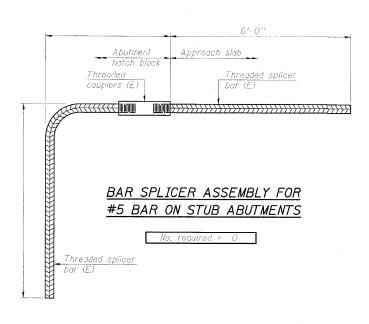
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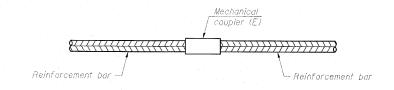
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



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

	Lecation	Bar size	No. assemblies required
F			
-			

<u>NOTES</u>

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi vield strength.

All reinforcement shall be lapped and fied 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 AND MECHANICAL SPLICER DETAILS STRUCTURE NO. 077-0016

SHEET NO. 18	F.A.S. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.	
	SHEET NU. 10	2936	14BR-1	PULASKI	68	33
	20 SHEETS	CONTRACT NO. 78071				
	:	FED. RC	AD DIST. NO. ILLINOIS FED. A	ID PROJECT		