

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 CTable 3:Epoxy bar, 0.8 Class CTable 4:Epoxy bar, Top bar lap, 0.8 Class C

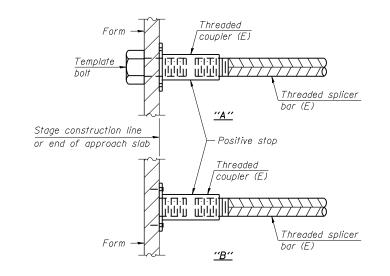
Table 5: Epoxy bar, Class C

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

Threaded splicer bar length = min. lap length + 1_2^{l} + thread length

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

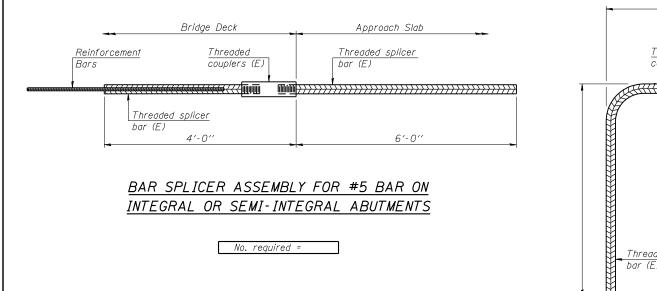
Location	Bar	No. assemblies	Table for minimum	
Locarion	size	required	lap length	
Bent 1 Deck	#5	12	3	
Pier 1 Deck	#5	12	3	
Pier 2 Deck	#5	12	3	
Bent 2 Deck	#5	12	3	

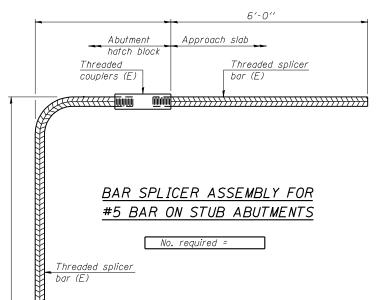


INSTALLATION AND SETTING METHODS

"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.

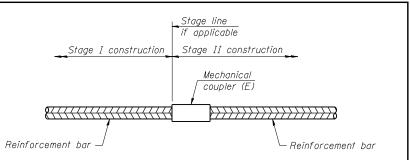




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-72b8	Coombe-Bloxdorf PC	USER NAME = _MML_	DESIGNED - GJB	REVISED -		BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS	F.A.P. SECTION	COUNTY TOTAL SHEET SHEETS NO.
IAME 0009 DJECT	-CIVIL ENGINEERS-		CHECKED - MCB	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 054-0009	717 (102B-1, 102CR, 102BR-2)RS-5	LOGAN 218 85
TILE N 054	-LAND SURVEYORS- Design Firm License No. 184-002703	PLOT DATE = 10/23/2013	DRAWN - CFC CHECKED - MCB/CME	REVISED - REVISED -	DEPARTMENT OF TRANSPORTATION	SHEET NO. 8 OF 13 SHEETS	LLINOIS FED. AID PROJECT	



STANDARD MECHANICAL SPLICER

Location	Bar	No. assemblies
Locarion	Bar size	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.