

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 CTable 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.

Location	Bar size	No. assemblies required	Table for minimum lap length
Grade Beams	#8	57	Table 1



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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BSD-1	8-31-12												S122
KLINGNER	USER NAME = seb	DESIGNED - RJP	REVISED -			WELL HO		16 <u> </u>	AR SPI	CER DETAILS	F.A.I.	SECTION	COUNTY TOTAL SHEET
Σ		DRAWN - ADL	REVISED -	STATE OF ILLINOIS							64	82-4T-1	ST. CLAIR 185 100
[⊈] & A S S O C I A T E S, P.C.	PLOT SCALE = 25.0007 '/ in.	CHECKED - RJP	REVISED -	DEPARTMENT OF TRANSPORTATION		10112201	UKI AVEN	NUE D	EEP WEL	L FACILITY			CONTRACT NO. 76G99
Engineers · Architects · Surveyors	PLOT DATE = 8/23/2014	DATE – ADL	REVISED -		SCALE:	SHEET	OF	SHE	EETS STA.	TO STA.		ILLINOIS FE	AID PROJECT



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.