

STANDARD BAR SPLICER ASSEMBLY

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

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, Top bar lap, Class B

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		
Deck	#5	302	3		
Diaphragm	#6	26	3		
Abutments	#8	20	3		
Approach Slab	#5	172	3		
Approach Slab	#4	50	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.



FILE NAME =	DESIGNED EV	REVISED -	GERGEEN	STATE OF ILLINOIS	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\0480091-68084-024-Bar_splicers.dgn	DRAWN JCP	REVISED -				74	48-[(25B)BR, BR-1]	KNOX	131	70
PLOT TIME = 9:52:25 AM	CHECKED PC	REVISED -	600 WEST FULTON STREET TEL 312 454 9100	DEPARTMENT OF TRANSPORTATION	31N0CTORE NO. 040-0091			CONTRAC	T NO. F	68B85
PLOT DATE = 10/1/2014	DATE 05 03 2013	REVISED -	60661-1259 WEB www.epstelnglobal.com		SHEET NO. S24 OF S25 SHEETS		ILLINOIS FED. AI	ID PROJECT		



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

NOTES

- 1. Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
- 2. All reinforcement shall be lapped and tied to the splicer bars.
- 3. Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
- 4. See approved list of bar splicer assemblies and mechanical splicers for alternatives.