

STANDARD BAR SPLICER ASSEMBLY

	Minimo	um Lap Leng	ths		
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

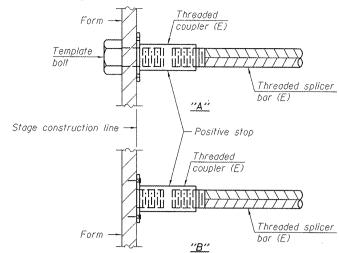
Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Table 5: Epoxy bar, Top bar lap, Class B

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

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

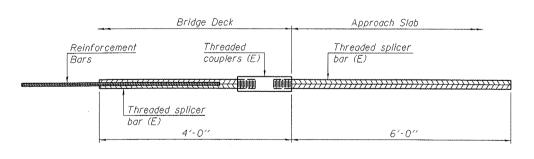
Location	Bar size	No. assemblies required	Table for minimum lap length



INSTALLATION AND SETTING METHODS

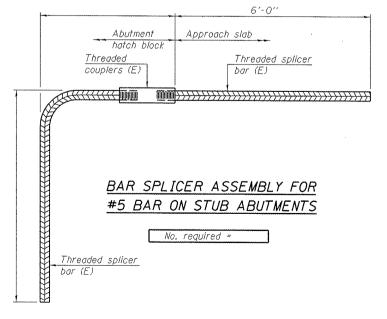
"A": Set bar splicer assembly by means of a template bolt. "B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

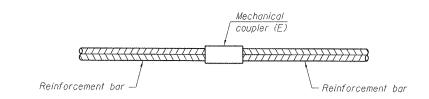
(E): Indicates epoxy coating.



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

No. required = 50





STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
1		

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 special provision for Mechanical Splicers.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BCD-1

MANSON HANSON

D3D-1	7 - 1 - 10			
TLE NAME =	USER NAME =	DESIGNED - JGT	REVISED -	
		CHECKED - MNM	REVISED -	
	PLOT SCALE =	DRAWN ~ DAP	REVISED -	
	PLOT DATE =	CHECKED - JGT	REVISED -	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS STRUCTURE NO. 048-3387

SHEET NO. 18 OF 23 SHEETS

TOTAL SHEE SHEETS NO. SECTION COUNTY KNOX 97 59 TR 176 05-15106-01-BR CONTRACT NO. 89429