

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 C

Table 3: Epoxy bar, 0.8 Class C

Table 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 + $1_{2}^{\prime\prime}$ + thread length

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



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 VAULTED ABUTMENTS

No. required = 206

FILE NAME =	USER NAME = \$USER\$	DESIGNED K.A. KLUES	REVISED - 12/17/12 DHC/JKS			BAR SPLICER ASSEMBLY & MECHANICAL SPLICER DET.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FILE\$		CHECKED E.M. LAGEMANN	Del. Staging (IDOT)	STATE OF ILLINOIS	HORNER & SHIFRIN, INC. ENGINEERS	STRUCTURE NOS. 072-0119 (E.B.) & 072-0120 (W.B.)	474	(72-3HB-1),I	PEORIA	88	78
	PLOT SCALE =		REVISED -	DEPARTMENT OF TRANSPORTATION	ENGINEERS				CONTRACT	T NO. 6	1883
	PLOT DATE = \$DATE\$	CHECKED E.M. LAGEMANN	REVISED -			SHEET NO. 62 OF 62 SHEETS		ILLINOIS FED. AI	AID PROJECT		



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
	3120	requireu
E.B. W. Appr. Bent	#7	16
E.B. W. Appr. Bent	#5	8
E.B. E. Appr. Bent	#7	16
E.B. E. Appr. Bent	#5	8
W.B. W. Appr. Bent	#7	16
W.B. W. Appr. Bent	#5	8
W.B. E. Appr. Bent	#7	16
W.B. E. Appr. Bent	#5	8

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.