

** Heavy Hex Nuts conformina to ASTM A 563, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt. "B" : Set bar splicer assembly by nalling to wood forms or cementing to steel forms. (E) : Indicates epoxy coating.

NOTES Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars. Splicer rods shall be of minimum 60 ksi yield strength, threaded or colled full length. All reinforcement bars shall be lapped and tied to the spilcer rods or dowel bars. Bar spilcer assemblies shall be epoxy coated according to the requirements for reinforcement bars. Other systems of similar design may be submitted to the Engineer for approval. Approval

shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

Minimum Capacity = 1.25 x fy x A_t (Tension in kips)
Minimum *Pull-out Strength (Tension in kips)

Where fy = Yield strength of lapped reinforcement bars in ksi. A_t = Tensile stress area of lapped reinforcement bars. * = 28 day concrete

	BAR SPLIC	ER ASSEMBLI	ES		
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements			
		Min. Capacity kips - tension	Min, Pull-Out Strength kips - tension		
#4	1'-8''	14.7	7.9		
#5	2'-0''	23.0	12.3		
#6	2'-7''	33.1	17.4		
#7	3'-5''	45.1	23.8		
#8	4'-6''	58.9	31.3		
#9	5'-9''	75.0	39.6		
#10	7'-3''	95.0	50.3		
#11	9'-0''	117.4	61.8		



BSD-1 11-1-06

> BLANK, WESSELINK, COOK & ASSOCIATES ENGINEERS - CONSULTANTS DECATUR, ILLINOIS

F.A.P. RTE.	SECTION		COUNTY		TOTAL SHEETS	Shieet No
95	6B-1	EFFINGHAM		NGHAM	409	380
FED, ROAD DIST, NO. 7 II		11	LINOIS	FED. AID PROJECT		т
CON	TRACT NO.	94	356			

SHEET NO. 10 SHEETS 12

- Stage Construction Line

Stage II Construction

Threaded or Coll Splicer Rods (E)	Reinforcement
splicer Roas (E)	Bars

nblies ed	Location		
	W. Abut.		
	E. Abut.		
	W. Abut. Dlaph.		
	E. Abut. Diaph.		
	Deck		

