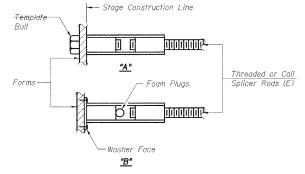


** Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.

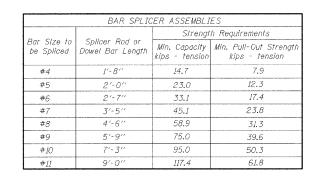
BSD-1

11-1-06



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 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 ks yield strength, threaded or coiled full length.

All reinforcement bars shall be lapped and fied to the splicer rods or dowel 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:

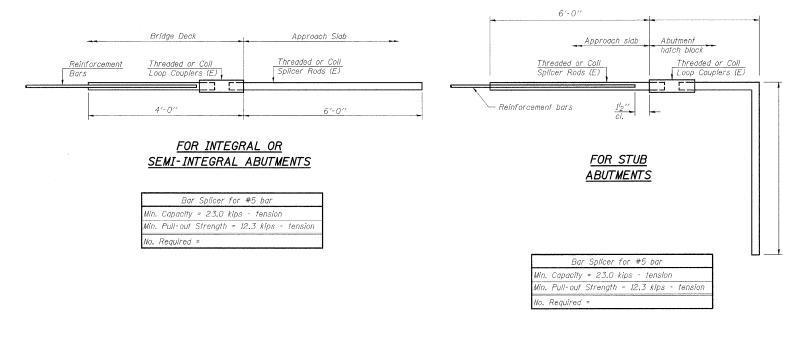
Bar splicer assemblies shall be epoxy coated according to the requirements for

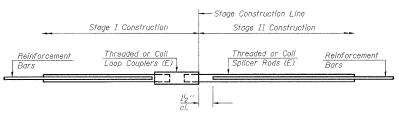
Where fy = Yield strength of lapped reinforcement bars in ksi.

A_t = Tensile stress area of lapped reinforcement bars.

* = 28 day concrete

reinforcement bars.





STANDARD

Bar Size	No. Assemblies Required	Location

BAR SPLICER ASSEMBLY DETAILS

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -					F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\PWIDOT\SWARTZRW\dms37779\ka	enbridge.dgn	DRAWN ~	REVISED -	STATE OF ILLINOIS	BAR SPLICER ASSEMBLY DETAILS		72	66(B,HVB,HB-1)BR	MACON	83	79	
	PLOT SCALE = 20.00000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION						CONTRAC	CT NO. 7	74343
	PLOT DATE = 9/28/2009	DATE -	REVISED -		SCALE:	SHEET NO. 14 OF 17 SHEETS	STA. TO STA.	FED. ROA	AD DIST. NO. ILLINOIS FED.	AID PROJECT		