



INTEGRAL ABUTMENT BAR SPLICER ASSEMBLY DETAIL FOR #6 BAR

Min. Capacity = 33.1 k	ips - tension	
Min. Pull-out Strength	= 13.3 kips -	tension
No. Required = 70		· · ·



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

(E) : Indicates epoxy coating.

cementing to steel forms.

Date DESIC

The diameter of this part is

equal or larger than the diameter of bar spliced.

	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	
	С.Н. 7	03-00016 -00-BR	TAZEWELL	23	
FED. ROAD DIST, NO.		ILLINOIS FED. AID PRO	JECT-		
	CONTRA	CT NO. 8929	6		

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 splicer rods or dowel bars. Bar splicer assemblies shall be epoxy coated according to the requirements for

Telnforcement 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

shall be based on certified test results from an approved festing laboratory that the propo-bar splicer assembly satisfies the following requirements: (1) Minimum Capacity = 1.25 x fy x At (2) Minimum *Pull-out Strength = 1.25 x fs_{allow} x At (2) (Tension in kips) Where fy = Yield strength of lapped reinforcement bars in ksi. fs_{allow} = Allowable tensile stress in lapped reinforcement bars. * = 28 day concrete

BAR SPLICER ASSEMBLIES						
		Strength Requirements				
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length		Min. Pull-Out Strength kips - tension			
#5	2'-0''	23.0	9.2			
#6	2'-7"	33.1	13.3			
#7	3'-5''	45.1	18.0			
#8	4'-6''	58.9	23.6			

Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."

	Rice, Berry and Associates A Division of Hampton, Lenzini and Renwick, Inc.	BAR SPLICERS
Account Number P.O. Box 1036	Civil & Structural Engineers	C.H. 7 / TOWNLINE ROAD
		SECTION 03-00016-00-BR
	TAZEWELL COUNTY	
DuQuoin, Illinois 62832		
Date: 03/22/06 618-790-4637		STR. NO. 090-3237 STATION 10+75
DESIGNED: S.M.S. C	HECKED: S.W.M. DRAWN: D.B.	