



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



"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.

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125 percent	of the yield
Splicer ro	ds shall be
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reinforceme	
	tems of simi
	ed on certif
	assembly sa
6	Minimum (Tension Minimum
Û	(Tension
· .	Minimum
	Minimum (Tension
	fy = Yield s
	A _t = Tensile
	* = 28 day
	20.00)
	1
A Start Start	Bar Size to be Spliced
	be Spliced

#4 #5 #6 #7 #8 #9 #10 #11



FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required = 64

M	URER . S	TUTZ. INC.
	ENGINEERS	SURVE YO ES

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	DESIGNED	- BAS
	CHECKED	- KEF
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	DRAWN	- SGM
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ROJTE NO.	SECTION	. co	UNTY	TOTAL SHEETS	SHEET NO.
FAS 2801 IL 128	(102B) B÷1	EFFI	NGHAM	51	43
FED. ROAD DIST	. NO. 7	ILLINGIS	FED. AID PRO	DJECT-	

SHEET NO. 21 23 SHEETS

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least Id strength of the lapped reinforcement bars. of minimum 60 ksi yield strength, threaded or coiled full length. rs shall be lapped and field to the splicer rods or dowel bars.

es shall be epoxy coated according to the requirements for

nilar design may be submitted to the Engineer for approval. Approval fied test results from an approved testing laboratory that the proposed tisfies the following requirements:

Capacity = 1.25 x fy x A_t

*Pull-out Strength = 0.66 x fy x A_t

strength of lapped reinforcement bars in ksi. stress area of lapped reinforcement bars.

concrete

	1			
	BAR SPLIC	ER ASSEMBLI	ES .	
	Splicer Rod or Dowel Bar Length	Strength Requirements		
) . 			Min. Pull-Out Strength kips - tension	
	1'-8''	14.7	7.9	
	2'-0"	23.0	12.3	
	2'-7''	33.1	17.4	
:	3'-5''	45.1	23.8	
	4'-6''	58.9	31.3	
	5'-9''	75.0	39.6	
	7'-3''	95.0	50.3	
	9'-0''	117.4	61.8	

STANDARD

Bar Size	No. Assemblies Required	Location
#5	517	Deck
#6	16	Abut. Diaph.
#4	4	Pier Diaph.
#6	2	Pier Diaph.
#7	20	Abutments
#7	10	Pier
#5	42	Pier

BAR SPLICER ASSEMBLY DETAILS IL ROUTE 128 OVER WOLF CREEK F.A.S. RTE. 2801 - SECTION (102B)B-1 EFFINGHAM COUNTY STATION 974+76.00 STRUCTURE NO. 025-0105