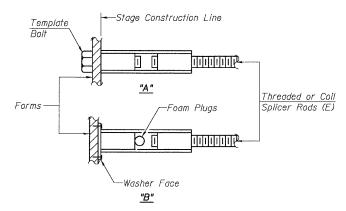


A 563, Grade C, D or DH may be used.

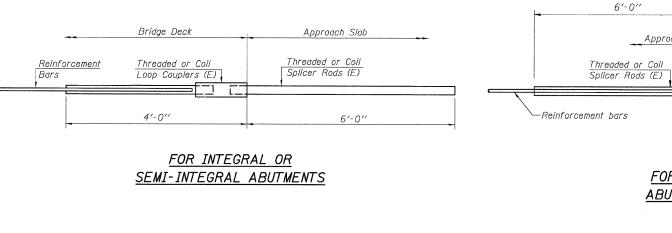
Bar Splicer for #5 bar Min. Capacity = 23.0 kips - tension

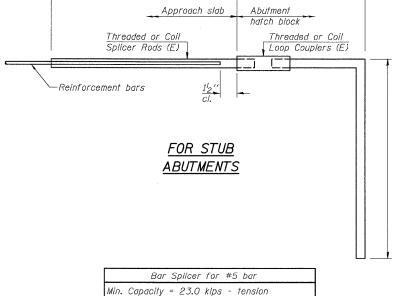
Min. Pull-out Strength = 12.3 kips - tension



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.





Min. Pull-out Strength = 12.3 kips - tension

No. Required =

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 coiled 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 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 (Tension in kips) = 1.25 x fy x A_t

(lension iii kipa) Minimum *Pull-out Strength = $0.66 \times fy \times A_t$

(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

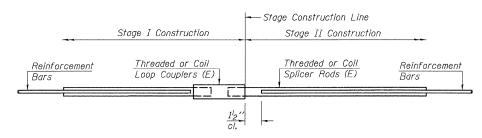
9'-0"

#11

BAR SPLICER ASSEMBLIES				
		Strength Requirements		
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length		Min. Pull-Out Strength kips - tension	
#4	1'-8''	14.7	7.9	
#5	2'-2"	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	

117.4

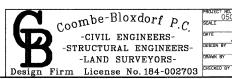
61.8



STANDARD

6	Deck S. Abut.
	DECK 3. ADUI.
31	Deck N. Abut.
	31

BAR SPLICER ASSEMBLY DETAILS STRUCTURE NO. 060-0211



SHEET NO. 9 9 SHEETS

TOTAL SHEET NO. SECTION MADISON 185 70 60-(5,6,7)RS, 60-(6,7)BR 114 CONTRACT NO. 76C56 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

DATE NAME SCALE NAME

BSD-1

10-1-08