

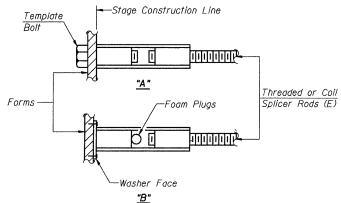
A 563, Grade C. D or DH may be used.

USER NAME = dabezicd

AECOM

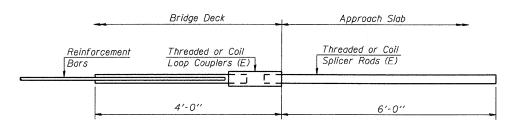
PLOT SCALE = 0:1 ':" / IN.

PLOT DATE = 5/28/2009



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.



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 = 84

DRAWN - DD

CHECKED - ATB

- 3/18/2009

REVISED

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REVISED -

COUNTY TOTAL SHEET NO. SECTION **BAR SPLICER ASSEMBLY DETAILS** 0031 06-00323-00-BR MCHENRY 53 40 STRUCTURE NO. 056-3177 CONTRACT NO. 63218 SHEET NO. OF SHEETS STA. TO STA.

NOTES Bar splicer assemblies shall be of an approved type and shall develop in tension at least

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

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 ASSEMBLIES

kips - tension

23.0

33.1

45.1

58.9

75.0

95.0

117.4

Strength Requirements

Min. Capacity | Min. Pull-Out Strength

kips - tension

7.9 12.3

17.4

23.8

31.3

39.6

50.3

61.8

125 percent of the yield strength of the lapped reinforcement bars.

bar splicer assembly satisfies the following requirements:

Bar Size to

be Spliced

#5

#6

#7

#8

#9

#10

#11

Minimum Capacity = $1.25 \times fy \times A_t$

Minimum *Pull-out Strength = $0.66 \times fy \times A_t$

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

Splicer Rod or

Dowel Bar Length

1'-8"

2'-2"

2'-7"

3'-5"

4'-6"

5'-9"

7'-3"

9'-0"

reinforcement bars.

MC	HENF	Y COUNTY
DIVISION	OF T	TRANSPORTATION

Template Bolt	age Constructio	on Line		
		<u> </u>		
orms—	<u>"A"</u> Foam	Plugs	Threaded of Splicer Roo	
	B _Q	<u></u>	·	
	Washer Face	•		
,	<u>"B"</u>			

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