

DESIGNED

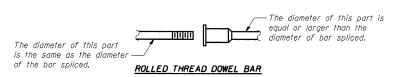
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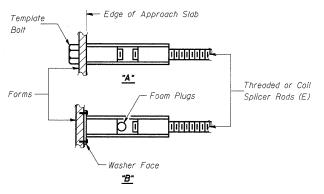
ADL/DGM



नानानाना । ONE PIECE -Wire Connector WELDED SECTIONS

BAR SPLICER ASSEMBLY ALTERNATIVES

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



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.

TOTAL SHEET SHEETS NO. MADISON 149 108 45 SHEETS

Contract #76634 * 60-15VB-1 & 2

<u>NOTES</u>

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 400 MPa 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 assembly satisfies the following requirements:

(Tension in KN)
Minimum *Pull-out Strength = 0.66 x fy x A, 2

(Tension in kN)

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

A; = Tensile stress area of lapped reinforcement bars (mm²).

* = 28 day concrete

BAR SPLICER ASSEMBLIES			
	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kN - tension	Min. Pull-Out Strength kN - tension
#15	660 mm	100	40
#20	790 mm ·	150	60
#25	1.04 m	250	100
#30	1.37 m	350	140

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."

All dimensions are in millimeters (mm) except as noted.

BAR SPLICER ASSEMBLY DETAILS FAP RTE. 310 (IL RTE. 255) SB & RAMP D OVER UNION PACIFIC & KANSAS CITY SOUTHERN R.R. SECTION 60-15VB-1 & 2 MADISON COUNTY STATION 39+160.297 STRUCTURE NUMBER 060-0311