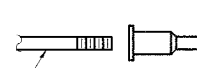


FAS ROUTE NO	SEC	COUNTY	TOTAL SHEETS	SHEET NO
-	*	LEE	20	12

ILLINOIS PROJECT TE-D2(115)


* 01-P4000-00-BT

The diameter of this part is equal or larger than the diameter of bar spliced.



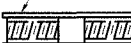
ROLLED THREAD DOWEL BAR

**** ONE PIECE**



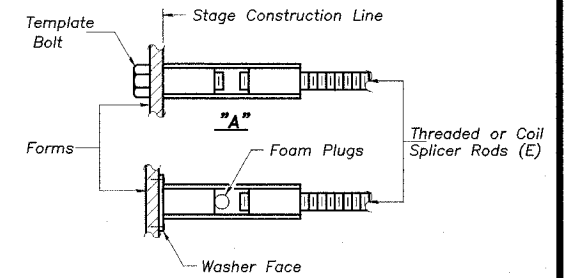
Wire Connector

WELDED SECTIONS



BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563, 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.

BILL OF MATERIAL

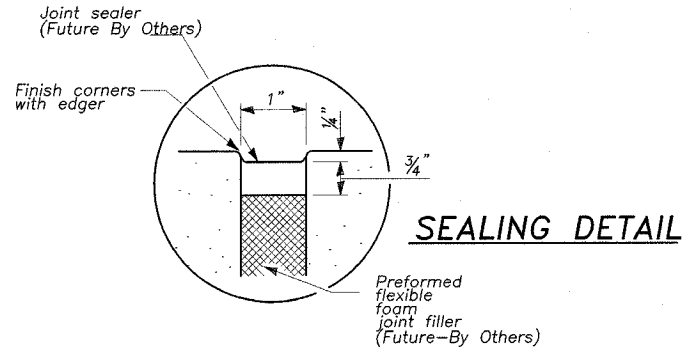
Bar	No.	Size	Length	Shape	Location
a ₆	37	#5	12'-5"		Peoria
a ₉	27	#5	15'-5"		Peoria
a ₁₀	27	#8	14'-9"		Peoria
a ₁₁	22	#5	9'-6"		Peoria
a ₁₂	35	#8	11'-9"		Peoria
a ₁₃	17	#5	5'-0"		Peoria
a ₁₄	17	#8	6'-8"		Peoria
a ₁₅	20	#5	20'-0"		Peoria
a ₁₆	20	#8	19'-0"		Peoria
b ₉	26	#5	26'-0"		Peoria
b ₁₀	6	#5	11'-3"		Peoria
b ₁₁	18	#5	18'-3"		Peoria
b ₁₂	26	#5	22'-6"		Peoria
d	164	#5	4'-1"		Peoria
d ₂	84	#5	5'-6"		Peoria
d ₃	84	#5	7'-6"		Peoria
d ₄	27	#5	4'-6"		Seawall
e ₁₀	6	#5	26'-0"		Peoria
e ₁₁	11	#5	26'-1"		Peoria
e ₁₂	11	#5	15'-3"		Peoria
e ₁₃	6	#5	25'-0"		Peoria
e ₁₄	11	#5	22'-11"		Peoria
e ₁₅	6	#5	11'-11"		Peoria
e ₁₆	17	#5	21'-5"		Peoria
e ₁₇	3	#5	40'-0"		Seawall

Concrete Structures	Cu. Yds.	73.8
Reinforcement Bars, Epoxy Coated	Lbs.	10450
Form Liner Textured Surface	Sq. Yd.	15.4
Bar Splicers	Each	47

REINFORCEMENT BARS DESIGNATED (E) ON THE PLAN DRAWINGS ARE TO BE EPOXY COATED.

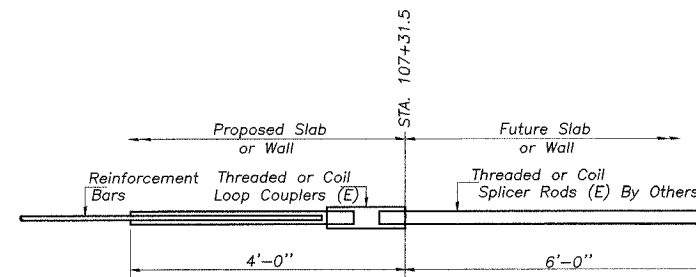
7x2 BARS INDICATES 7 LINES OF BARS WITH 2 LENGTHS PER LINE.

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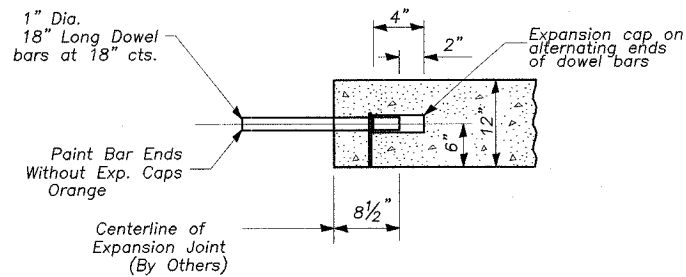
11'-8"	a ₆
14'-8"	a ₉
8'-9"	a ₁₁
4'-3"	a ₁₃
19'-3"	a ₁₅

a₆, a₉, a₁₁, a₁₃, a₁₅ BARS

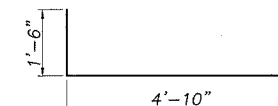
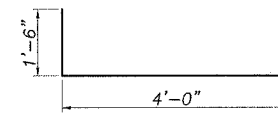
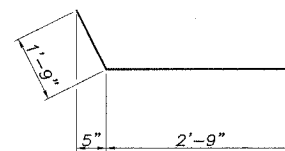
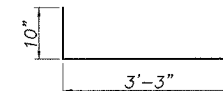
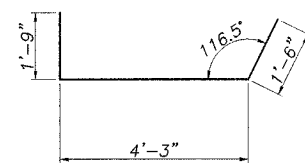


BAR SPLICER ASSEMBLY DETAIL FOR #5 BAR

Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 9.2 kips - tension
No. Required = 47



Note: Cost of furnishing and installing dowels considered incidental to Concrete Structures Expansion Joint Shall Be Completed by Others



WENDLER ENGINEERING SERVICES, INC.

Structural & Civil Engineers—Land Surveying—Environmental Services
 Illinois Professional Design Firm No. 184-000848

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 804 FREEPORT RD. - STERLING, IL 61081 - (815) 626-4428
 E-MAIL: info@wendler.nu

SCALE: 1"=10'

REVISION	DATE	SURVEYED BY	JOB NO.	DRAWN BY	DESIGNED BY
			99022	BEH	
		BOOK NO.	DRAWING NAME	DRAWING DATE	
			RET-WALL-DTLS	2/16/2004	
TITLE					
RETAINING WALL DETAILS					
DIXON PARK DISTRICT					