

FEHR GRAHAM PROJECT NUMBER: 15-1004B

	Asim REINFORCEMENT														
(in. ² / ft)															
e (ft)	2	3	4	5	6	7	8	9	10	11	12				
	0.19	0.17													
	0.26	0.21	0.18												
	0.22	0.26	0.23	0.22											
	0.25	0.33	0.59	0.27	0.28										
	0.40	0.35	0.43	0.39	0.36	0.34	0.40								
	0.44	0.39	0.35	0.43	0.40	0.37	0.36	0.48							
	0.48	0.42	0.38	0.47	0.44	0.41	0.38	0.42	0.56						
	0.52	0.45	0.54	0.50	0.46	0.44	0.41	0.46	0.50	0.65					
	0.55	0,49	0.58	0.54	0.50	0.48	0.45	0.46	0,46	0.61	0.75				

(Asim reinforcement based upon welded wire reinforcement conforming to AASHTO M 55 or M 221).

Alternate Section D-D is provided to allow the Contractor the option of casting the bottom slab of the end section first followed by construction of the sidewalls using conventional forming methods. Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval when using Alternate Section D-D.

The size and spacing of the v_2 bars shall provide a minimum reinforcement area along each face of the walls (in.2/ft.) equal to 1.10*(Asim). v2 bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches.

Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.

1 2)												
RT TAPERED END SECTIONS	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.							
- SN 048–2502	22	48[(B-1)BR;CR]	KNOX	94	56							
- 311 040-2302			CONTRACT	NO. 6	8758							
2 SHEETS	ILLINOIS FED. AID PROJECT											

SHEET NO. 2 OF