



SINGLE PLANE CANTILEVER TRUSS TO POLE CONNECTION TABLE							
TRUSS CHORD TUBE SIZE	POLE SIZE (O.D.)	NO. OF BOLTS	CONNECTION PLATE DIMENSIONS			FILLET WELD SIZE	
			T	W	X	F	
8.625" O.D. x 0.277" THK.	18"	6-1 1/4" DIA.	2 1/4"	28"	15"	5/16"	
8.625" O.D. x 0.277" THK.	20"	6-1 1/4" DIA.	2 1/4"	30"	15"	5/16"	
8.625" O.D. x 0.312" THK.	18"	6-1 1/4" DIA.	2 1/4"	28"	15"	3/8"	
8.625" O.D. x 0.312" THK.	20"	6-1 1/4" DIA.	2 1/4"	30"	15"	3/8"	
10.750" O.D. x 0.250" THK.	18"	6-1 1/4" DIA.	2 1/2"	28"	17"	5/16"	
10.750" O.D. x 0.250" THK.	20"	6-1 1/4" DIA.	2 1/2"	30"	17"	5/16"	
10.750" O.D. x 0.250" THK.	24"	6-1 1/4" DIA.	2 1/2"	34"	17"	5/16"	
10.750" O.D. x 0.279" THK.	18"	6-1 1/4" DIA.	2 1/2"	28"	17"	5/16"	
10.750" O.D. x 0.279" THK.	20"	6-1 1/4" DIA.	2 1/2"	30"	17"	5/16"	
10.750" O.D. x 0.279" THK.	24"	6-1 1/4" DIA.	2 1/2"	34"	17"	5/16"	
10.750" O.D. x 0.344" THK.	18"	6-1 1/4" DIA.	2 1/2"	28"	17"	3/8"	
10.750" O.D. x 0.344" THK.	20"	6-1 1/4" DIA.	2 1/2"	30"	17"	3/8"	
10.750" O.D. x 0.344" THK.	24"	6-1 1/4" DIA.	2 1/2"	34"	17"	3/8"	
12.750" O.D. x 0.219" THK.	24"	6-1 1/4" DIA.	3"	34"	19"	5/16"	
12.750" O.D. x 0.250" THK.	24"	6-1 1/4" DIA.	3"	34"	19"	5/16"	
12.750" O.D. x 0.312" THK.	24"	6-1 1/4" DIA.	3"	34"	19"	3/8"	
12.750" O.D. x 0.375" THK.	24"	6-1 1/4" DIA.	3"	34"	19"	7/16"	
14.00" O.D. x 0.219" THK.	24"	6-1 1/4" DIA.	3"	34"	20"	5/16"	
14.00" O.D. x 0.312" THK.	24"	6-1 1/4" DIA.	3"	34"	20"	3/8"	

**NOTE:**

REFER TO APPROPRIATE 800 SERIES STANDARD PLATE REGARDING TRUSS CHORD TO POLE CONNECTION DETAILS.

SPECIFICATION 803	CATEGORY CODE ITEMS
APPROVED	 DIRECTOR - OFFICE OF TRAFFIC AND SAFETY
	APPROVAL • SHA REVISIONS
	APPROVAL 8-12-02
	REVISED
	REVISED
	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL 9-4-02
	REVISED
	REVISED

**Maryland Department of Transportation**  
**STATE HIGHWAY ADMINISTRATION**  
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES  
**SINGLE PLANE CANTILEVER SIGN STRUCTURES**  
**TRUSS CHORD TO POLE CONNECTION DATA**

**STANDARD NO.**

**MD 803.05-04**