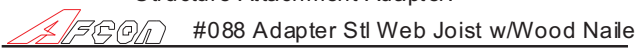
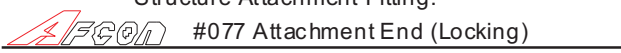
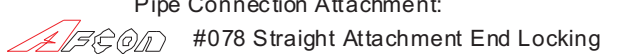

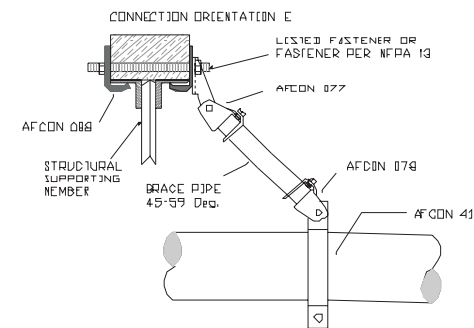




Sheet 1 - 234A of 1  
 9600 Klingerman Street  
 P.O. Box 3365  
 South El Monte, CA 91733\*USA  
 Phone: 626.444.0541\*Fax: 626.444.3887  
 e-mail: info@afcon.org

Sway Bracing Calculations per 2002 NFPA 13

Project/Contractor Information	Seismic Brace Attachments
Project: <u>ABC Company</u> Project Address: <u>1234 Main Street</u> Project City/St: <u>Brea, CA 93307</u> Contractor: <u>AFCON</u> Contractor Address: <u>9600 Klingerman Street</u> Contractor City/St: <u>South El Monte, CA 91733</u>	Structure Attachment Adapter:  Listed load rating: <u>1,400 lb</u> Structure Attachment Fitting:  Listed load rating: <u>2,015 lb</u> Adj. load rating per 9.3.5.10.3 <u>1,425 lb</u> Pipe Connection Attachment:  Listed load rating: <u>2,015</u> Adj. load rating per 9.3.5.10.3 <u>1,425 lb</u> Pipe Attachment Fitting:  Listed load rating: <u>2,015 lb</u> Adj. load rating per 9.3.5.10.3 <u>1,425 lb</u>
Brace Pipe Information	Seismic Brace Assembly Detail
Length of Brace: <u>1 ft 6 in</u> Diameter of Brace: <u>1 in</u> Type of Brace: <u>Schedule 40</u> Angle of Brace: <u>45° to 59°</u> Least Radius of Gyration: <u>0.42</u> L/R Value: <u>300</u> Maximum Horizontal Load: <u>1,111 lb</u>	 <p>Brace identification no. (to be used on plans) <u>234A</u></p>
Fastener Information	
<input type="checkbox"/> NFPA 13 Fastener <input checked="" type="checkbox"/> Listed Fastener Structural Supporting Member: <u>Web Beam</u> Orientation of connection surface: <u>E</u> Fastener Type: <u>n/a</u> Fastener Diameter: <u>n/a</u> Fastener Length: <u>n/a</u> Maximum Load: <u>n/a</u>	

Sprinkler System Load Calculation

	Diameter	Type	Length (ft)	Total (ft)	½ Weight per ft	½ Total Weight
<input type="checkbox"/>	6 in	Schedule 10	80 ft	80.0 ft	11.52 lb/ft	1,059.84 lb
<input type="checkbox"/>						
<input type="checkbox"/>						
<input type="checkbox"/>						
<input type="checkbox"/>						
<input type="checkbox"/>						
<input type="checkbox"/>						
<input type="checkbox"/>						
<input type="checkbox"/>						
<input type="checkbox"/>						
Brace Connection    Valve/Fitting Factor: 1.15    Total ½ weight of water-filled pipe						1,059.84 lb