

MAIN & BRANCH LINES PARTS LIST

ITEM	QTY	PART DESCRIPTION	WEBSITE
1	6	1 1/2" X 1 1/4" X 1 1/2" Tee Mfg Model# 0310047006 Mfg: Anvil	http://www.grainger.com/Grainger/ANVIL-Reducing-Tee-4WHJ3?Pid=search
2	6	1 1/2" X 1 1/4" X 1 Tee Mfg Model# 0310046602 Mfg: Anvil	http://www.grainger.com/Grainger/ANVIL-Reducing-Tee-4WHJ1?Pid=search
3	12	1 1/4" X 1 1/4" X 1 Tee Mfg Model# 5P499	http://www.grainger.com/Grainger/Reducing-Tee-5P499?Pid=search
4	12	1 1/4" X 1 X 1 Tee Mfg Model# 0310040409 Mfg: Anvil	http://www.grainger.com/Grainger/ANVIL-Reducing-Tee-4KUX4?Pid=search
5	12	1"x 1"x 1 1/4" Tee Mfg Model# 5P502	http://www.grainger.com/Grainger/Reducing-Tee-5P502?Pid=search
6	6	1 1/4" Straight Tee Mfg Model# 5P481	http://www.grainger.com/Grainger/Tee-5P481?Pid=search
7	1	1" x 1" x 1/2" Tee Mfg Model# 5P493	http://www.grainger.com/Grainger/Reducing-Tee-5P493?Pid=search
8	40	1" x 1/2" Bushing Mfg Model# 5P517	http://www.grainger.com/Grainger/Hex-Bushing-5P517?Pid=search
9	2	4" Grooved Cap Mfg Model# 2XFD1 Mfg: Gruvlok	http://www.grainger.com/Grainger/GRUVLOK-Cap-2XFD1?Pid=search
10	1	4" Grooved Tee Mfg Model# 2XEW7 Mfg: Gruvlok	http://www.grainger.com/Grainger/GRUVLOK-Tee-2XEW7?Pid=search
11	25	1" X 1/2" 90 deg. Elbow Mfg Model# 5P448	http://www.grainger.com/Grainger/Reducing-Elbow-5P448?Pid=search
12	5	1" 90 deg. Elbow Mfg Model# 5P438	http://www.grainger.com/Grainger/Elbow-5P438?Pid=search
13	1	4" Grooved 90 deg. Elbow Mfg Model# 2XEV4 Mfg: Gruvlok	http://www.grainger.com/Grainger/GRUVLOK-Elbow-2XEV4?Pid=search
14	1	1" 45 deg. Elbow Mfg Model# 5P448	http://www.grainger.com/Grainger/Elbow-5P471?Pid=search
15	17	4" Grooved Coupling Coupling, Standard, Nominal Size 4 In., Pipe Outside Diameter 4-1/2 In., Max. Working Pressure (PSI) 750, Max. Load (Lb.) 11, 928, Pipe End Separation 0 to 1/4 In., Overall Inside Dia. 5-7/8 In., Overall Width 8-3/8 In., Overall Diameter 2-1/8 In., Bolt Size (In.) 1/2 x 3, Min. Torque 80, Max. Torque 100, Temp. Range -40 Degrees to 230 Degrees F, Material of Construction Ductile Iron, Color Orange, Gasket EPDM, Compliance Certified for Potable Water Use, Standards ANSI B31.1, ANSI B31.9, NFPA 13	http://www.anvilintl.com/ProductSearch/ProductInfo.aspx?ProductId=10318

16	1/2" NPT Upright Sprinkler Red Bulb w/ White Polyester Finish	42	Upright Fire Sprinkler Heads and Conventional Pendent Fire Sprinklers are small, thermosensitive, glass-bulb spray sprinklers available in several different finishes, temperature ratings, and K-Factors to meet design requirements. The special Polyester and Teflon coatings can be used in decorative applications where colors are desired. In addition, these coatings have been investigated for installation in corrosive atmospheres and are UL listed as corrosion resistant	http://tyco-fire.com/index.php?P=show&id=TFP171_07_2010&B=&BK=product&SB=S1
17	1/2" NPT Recessed Pendent Sprinkler Red Bulb w/ White Polyester Finish	25	Recessed Fire Sprinkler Heads and Conventional Pendent Fire Sprinklers are small, thermosensitive, glass-bulb spray sprinklers available in several different finishes, temperature ratings, and K-Factors to meet design requirements. The special Polyester and Teflon coatings can be used in decorative applications where colors are desired. In addition, these coatings have been investigated for installation in corrosive atmospheres and are UL listed as corrosion resistant	http://tyco-fire.com/index.php?P=show&id=TFP171_07_2010&B=&BK=product&SB=S1
18	1" AGF Test & Drain 1/2" Orifice Model 1011A	1	300 PSI rated single handle ball valve specifically designed to provide both the test function and the express drain function required for a wet fire sprinkler system and features a tamper resistant test orifice and integral tamper resistant sight glasses.	http://www.testandrain.com/documents/prod_dox/1011a.html
19	4" x 21' L Sch 40 Steel Pipe	9	Material of Construction Black Steel, Schedule 80, WOG (PSI) 300 At 150 Deg F, Saturated Steam Pressure 150, Standards ASTM A733	http://www.bullmoosetube.com/products/product-overview.asp?pid=227&gid=59
20	1 1/2" x 21' L Sch 40 Steel Pipe	1	Material of Construction Black Steel, Schedule 80, WOG (PSI) 300 At 150 Deg F, Saturated Steam Pressure 150, Standards ASTM A733	http://www.bullmoosetube.com/products/product-overview.asp?pid=227&gid=59
21	1 1/4" x 21' L Sch 40 Steel Pipe	16	Material of Construction Black Steel, Schedule 80, WOG (PSI) 300 At 150 Deg F, Saturated Steam Pressure 150, Standards ASTM A733	http://www.bullmoosetube.com/products/product-overview.asp?pid=227&gid=59
22	1" x 20' L Sch 40 Steel Pipe	18	Material of Construction Black Steel, Schedule 80, WOG (PSI) 300 At 150 Deg F, Saturated Steam Pressure 150, Standards ASTM A733	http://www.bullmoosetube.com/products/product-overview.asp?pid=227&gid=59

RISER PARTS LIST

23	6" Grooved 45 deg. Elbow	2	Elbow, 45 Degree, Nominal Size 6 In, Outside Dia. 6 5/8 In, Grooved Connection, Pressure 750 PSI, Temp. Range -40 To 230 F, Material of Construction Ductile Iron, Color Orange, Compliance Certified For Use in Potable Water Applications in CA and VT	http://www.grainger.com/Grainger/GRUVLOK-Elbow-2XEW2?Pid=search
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24	6" Grooved Tee	1	Tee, Nominal Size 6 In, Outside Dia. 6 5/8 In, Grooved Connection, Pressure 750 PSI, Temp. Range -40 To 230 F, Material of Construction Ductile Iron, Color Orange, Compliance Certified For Use in Potable Water Applications in CA and VT	http://www.grainger.com/Grainger/GRUVLOK-Tee-2XEW8?Pid=search
25	6" x 4" Grooved Reducer	2	Concentric Reducer, Nominal Size 6 x 4 In, Outside Dia. 6 5/8 In, Grooved Connection, Pressure 750 PSI, Temp. Range -40 To 230 F, Material of Construction Ductile Iron, Color Orange, Compliance Certified For Use in Potable Water Applications in CA and VT	http://www.grainger.com/Grainger/GRUVLOK-Concentric-Reducer-2XFC5?Pid=search
26	4" Grooved Tee	1	Tee, Nominal Size 4 In, Outside Dia. 4 1/2 In, Grooved Connection, Pressure 750 PSI, Temp. Range -40 To 230 F, Material of Construction Ductile Iron, Color Orange, Compliance Certified For Use in Potable Water Applications in CA and VT	http://www.grainger.com/Grainger/GRUVLOK-Tee-2XEW7?Pid=search
27	4" OS&Y Valve	1	Gate Valve, Class 250, Size 4 In, Flanged Connection, Material of Construction Cast Iron, Top of Handle to Inlet Center 22.75 In, Inlet to Outlet Length 9.00 In, Rated For 250 psi Non Shock CWP, Max Temp 140 F, Outside Stem, Stem Material Bronze, Bolted Bonnet, Cast Iron Wedge, Cast Iron Handwheel, Standards ASTM A126 Class B Iron, AWWA 509, FM, MSS-SP-70, UL, ULC	http://www.grainger.com/Grainger/WATTS-Gate-Valve-1RCZ4?Pid=search
28	4" Grooved Elbow	1	Elbow, 90 Degree, Nominal Size 4 In, Outside Dia. 4 1/2 In, Grooved Connection, Pressure 750 PSI, Temp. Range -40 To 230 F, Material of Construction Ductile Iron, Color Orange, Compliance Certified For Use in Potable Water Applications in CA and VT	http://www.grainger.com/Grainger/GRUVLOK-Elbow-2XEV4?Pid=search
29	2" Gate Valve	1	Gate Valve, Class 125, Size 2 In, FNPT Connection, Material of Construction Bronze, Top of Handle to Inlet Center 7.44 In, Inlet to Outlet Length 3.31 In, Rated For 125 PSI SWP 200 PSI WOG, Max Temp 406 F, Non-Rising Stem, Stem Material Bronze, FNPT Bonnet, Bronze Wedge, Malleable Iron Handwheel, Standards MSS-SP-80	http://www.grainger.com/Grainger/MILWAUKEE-VALVE-Gate-Valve-5JLV0?Pid=search
30	2" Elbow	3	Elbow, 90 Degree, Pipe Size 2 In, Threaded Connection, Material of Construction Black Iron, Class 150, WOG 300 At -20 to 150 Deg F PSI, Standards UL: FM Approved: ASME B16.3, Compliance Certified For Use in Potable Water Applications in CA and VT	http://www.grainger.com/Grainger/ANVIL-Elbow-4WGP5?Pid=search

31	6" Grooved Flange	2	Flange, Nominal Size 6 In., Pipe Outside Diameter 6-5/8 In., Max. Working Pressure (PSI) 300, Max. Load (Lb.) 10, 341, Overall Inside Dia. 11 In., Overall Width 14 In., Overall Diameter 7/8 In., Bolt Size (In.) 3/8 x 2-3/4, Min. Torque 30, Max. Torque 45, Temp. Range -40 Degrees to 230 Degrees F, Material of Construction Ductile Iron, Color Orange, Gasket EPDM, Compliance Certified for Potable Water Use, Standards ANSI B31.1, ANSI B31.9, NFPA 13	http://www.anvilintl.com/ProductSearch/ProductInfo.aspx?productId=10446
32	PIBV2 system Sensor Supervisory Switch	1	The mechanism shall be contained in a weatherproof die cast metal housing, which shall provide a side entrance for 1/2" conduit and incorporate a 1/2" NPT nipple for attachment to the valve body. A grounding provision is provided. The switch assembly shall include two switches each with a rated capacity of 10 Amp @ 125/250V AC and 2.5 Amp @ 24V DC. The cover shall contain tamper-resistant screws for which a security wrench will be provided with each switch. PIBV2 shall be Underwriters Laboratories listed for indoor or outdoor use. The PIBV2 shall be Factory Mutual, CSFM, and MEA approved	http://www.systemsensor.com/products/sprink/?UniqueID=55
33	4" x 3" x 3" Model 5862 Flush Fire Pump Test Connection	1	Cast brass body with drop clappers. Size, outlet location and number of inlets as selected by model number. Polished brass plate with lettering as selected. Polished brass 2 1/2"/6.4 cm double female snoots with rigid end NPT x pin lug hose thread swivels, pin lug plugs and chains.	http://www.potterroemer.com/component/page,shop.getFile/file_id,374/product_id,429/option,com_virtuemart/Itemid,4/
34	4" Grooved Swing Check Valve Model G	1	Check Valves are provided with a 1/2" NPT supply side connection. Grooved end connections provide fast and easy installation using listed or approved mechanical grooved couplings. Rigid style grooved couplings can be used for positive clamping to resist flexural and torsional loads.	http://reliablesprinkler.com/pdfs/products/807%20Model%20G%20Swing%20Check%20Valves.pdf

35	WFD60 Waterflow Detector	1	Two-inch mounting hole provided in new WFD30-2 models. UL-listed models are NEMA 4 rated. Sealed retard mechanism immune to dust and other contaminants. Visual switch activation. Field-replaceable retard mechanism and SPDT switches. Rugged, dual SPDT switches enclosed in a durable terminal block. Accommodates up to 12 AWG wire. Designed for both indoor and outdoor use. 100 % synchronization activates both alarm panel and local bell. Tamper-resistant cover screws	http://www.systemsensor.com/products/sprink/?UniquelD=7
36	SSM24-10 10" Electric Alarm Bell	1	Approved for indoor and outdoor uses. Low current draw. High dB output. Available in ten-inch size. AC and DC models. DC models polarized for use with supervision circuitry. Mount directly to standard four-inch square electrical box indoors. SSM and SSV series come pre-wired	http://www.systemsensor.com/products/sprink/?UniquelD=64
37	4" Grooved Coupling	12	Coupling, Standard, Nominal Size 4 In., Pipe Outside Diameter 4-1/2 In., Max. Working Pressure (PSI) 750, Max. Load (Lb.) 11, 928, Pipe End Separation 0 to 1/4 In., Overall Inside Dia. 5-7/8 In., Overall Width 8-3/8 In., Overall Diameter 2-1/8 In., Bolt Size (In.) 1/2 x 3, Min. Torque 80, Max. Torque 100, Temp. Range -40 Degrees to 230 Degrees F, Material of Construction Ductile Iron, Color Orange, Gasket EPDM, Compliance Certified for Potable Water Use, Standards ANSI B31.1, ANSI B31.9, NFPA 13	http://www.anvilintl.com/ProductSearch/ProductInfo.aspx?ProductId=10318
38	6" Grooved Coupling	7	Coupling, Standard, Nominal Size 6 In., Pipe Outside Diameter 6-5/8 In., Max. Working Pressure (PSI) 750, Max. Load (Lb.) 25, 854, Pipe End Separation 0 to 1/4 In., Overall Inside Dia. 8-1/8 In., Overall Width 11-1/8 In., Overall Diameter 2-1/8 In., Bolt Size (In.) 5/8 x 3-1/2, Min. Torque 100, Max. Torque 130, Temp. Range -40 Degrees to 230 Degrees F, Material of Construction Ductile Iron, Color Orange, Gasket EPDM, Compliance Certified for Potable Water Use	http://www.anvilintl.com/ProductSearch/ProductInfo.aspx?ProductId=10318
39	6" Sch 40 Steel Pipe	6'	Unthreaded Connection, Material of Construction Steel, Schedule 40, WOG (PSI) 150, Saturated Steam Pressure 150 @ 360 Degrees F, Inside Dia. (In.) 6.065, Outside Dia. (In.) 6.625, Wall Thickness (In.) 0.28, Standards ASTM A53/A733	http://www.bullmoosetube.com/products/product-overview.asp?pid=227&gid=59
40	4" Scho 40 Steel Pipe	8'	Unthreaded Connection, WOG (PSI) 150 At 72 Deg F, Saturated Steam Pressure 150 PSI, Material of Construction Black Welded Steel, Schedule 40, Inside Dia 4.026 In, Outside Dia 4.500 In, Wall Thickness 0.237 In, Standards ASTM A-53-A / API-5LA	http://www.bullmoosetube.com/products/product-overview.asp?pid=227&gid=59

41	6" Model G Riser Check Valve w/ Riser Trim Kit	1	<p>Riser Check valve shall be a 6", UL listed, FM Approved, NYC MEA 258-93-E, spring-loaded check valve having a rated working pressure of 250 psi and factory hydrostatic tested to a pressure of 500 psi. Valve body casting shall be gray iron per ASTM-A48 Class 30A, containing a bronze seat and stainless steel clapper per ASTM A240 with rubber gasket and EPDM rubber facing seal. End connections to be grooved by grooved per ANSI/AWWA C606. The riser check valve shall be factory tapped for 2" NPT main drain and ½" plugged NPT system connection with additional ¼" supply connections. All parts of the clapper assembly to consist of stainless steel. Check valve shall be capable of holding air pressure in the system without the use of priming water. Trim components shall consist of a 2" bronze angle valve main drain connection, and a 300 psi pressure gauge connection with 3-way bronze globe valve located on both the upstream and downstream side of the riser check.</p> <p>http://reliablesprinkler.com/pdfs/products/806%20Model%20G%20Right%20Check%20Riser%20Valves.pdf</p>
42	Model 5022 4 x 2 1/2 x 2 1/2 Two-Way Fire Department Connection	1	<p>Cast brass body with drop clappers. Size, outlet location and number of inlets as selected by model number. Polished brass plate with lettering as selected.</p> <p>http://www.potterroemer.com/component/page,shop.getfile/file_id,374/product_id,429/option,com_virtuemart/Itemid,4/</p>

BRACING AND HANGERS

43	Fig. 350 Beam Clamp 3/8" Plain Finish	84	<p>Designed for attaching hanger rod to the top flange of a beam or bar joist, where the flange thickness does not exceed 3/4 inch. The open U design permits rod adjustment. The universal design of the 3/8 Fig. 350 allows it to be used in an inverted position on the bottom flange of a beam as well. APPROVALS: Underwriters' Laboratories Listed in the U.S. (UL), Canada (CUL), for all sizes. Factory Mutual Approved for rod sizes 3/8" and 1/2" only. Complies with Federal Specifications A-A-1192A (Type 19) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 19). Fig. 350 sized for 3/8 rod can be used in an inverted position (bottom of beam) and follows the same U.S. (UL), Canada (CUL), and Factory Mutual Approvals. Used in this manner the 3/8" also complies with Federal Specifications A-A-1192A (Type 23) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 23)</p> <p>MATERIAL: Malleable iron with hardened steel cup point set screw. FINISH: Plain or electro-galvanized</p> <p>http://www.potterroemer.com/component/page,shop.getfile/file_id,374/product_id,429/option,com_virtuemart/Itemid,4/</p>
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44	Fig. 359 Retaining Strap 3/8" 10" L Plain Finish	84	<p>APPROVALS: Underwriters' Laboratories Listed in the U.S. (UL) and Canada (CUL) for 3/8" and 1/2" rod sizes only. Meets NFPA 13 requirements for hangers and fasteners subject to earthquakes.</p> <p>MATERIAL: Low carbon steel</p> <p>FINISH: Electro-galvanized</p>	http://www.phd-mfg.com/products/index.cfm?do=3&id=10
45	Fig. 141 4" NFPA Swivel Ring Hanger	17	<p>FUNCTION: Designed for the suspension of non-insulated stationary pipe lines. The knurled insert nut, allows for vertical adjustment after installation. Has a layer of felt which separates the pipe from the hanger to reduce vibration and sound.</p> <p>APPROVALS: Underwriters' Laboratories Listed in the U.S. (UL) and Factory Mutual Approved for all sizes. Complies with Federal Specification A-A-1192A (Type 10), and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 10).</p>	http://www.phd-mfg.com/products/index.cfm?do=3&id=31
46	Fig. 141 1 1/2" NFPA Swivel Ring Hanger	6	<p>FUNCTION: Designed for the suspension of non-insulated stationary pipe lines. The knurled insert nut, allows for vertical adjustment after installation. Has a layer of felt which separates the pipe from the hanger to reduce vibration and sound.</p> <p>APPROVALS: Underwriters' Laboratories Listed in the U.S. (UL) and Factory Mutual Approved for all sizes. Complies with Federal Specification A-A-1192A (Type 10), and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 10).</p>	http://www.phd-mfg.com/products/index.cfm?do=3&id=31

47	Fig. 141 1 1/4" NFPA Swivel Ring Hanger	36	<p>FUNCTION: Designed for the suspension of non-insulated stationary pipe lines. The knurled insert nut, allows for vertical adjustment after installation. Has a layer of felt which separates the pipe from the hanger to reduce vibration and sound.</p> <p>APPROVALS: Underwriters' Laboratories Listed in the U.S. (UL) and Factory Mutual Approved for all sizes. Complies with Federal Specification A-A-1192A (Type 10), and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 10).</p>	http://www.phd-mfg.com/products/index.cfm?do=3&id=31
48	Fig. 141 1" NFPA Swivel Ring Hanger	25	<p>FUNCTION: Designed for the suspension of non-insulated stationary pipe lines. The knurled insert nut, allows for vertical adjustment after installation. Has a layer of felt which separates the pipe from the hanger to reduce vibration and sound.</p> <p>APPROVALS: Underwriters' Laboratories Listed in the U.S. (UL) and Factory Mutual Approved for all sizes. Complies with Federal Specification A-A-1192A (Type 10), and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 10).</p>	http://www.phd-mfg.com/products/index.cfm?do=3&id=31
49	Fig. 100 3/8" Plain Finish Standard Rod Coupling	84	<p>FUNCTION: Designed to provide a means of connecting two lengths of rod with equal diameters.</p> <p>MATERIAL: Low carbon steel</p> <p>FINISH: Plain or electro-galvanized</p>	http://www.phd-mfg.com/products/index.cfm?do=3&id=290
50	Fig. 20 3/8" 6' Bundle Continuous Threaded Rod (150ft per bundle)	300ft	<p>FUNCTION: Useful in applications where stud lengths cannot be predetermined.</p> <p>MATERIAL: Low carbon steel</p>	http://www.phd-mfg.com/products/index.cfm?do=3&id=13
51	Fig. 4L 4" Plain Finish Longitudinal Sway brace Attachment	4	<p>Material — Carbon Steel, hardened cone (or cup) point engaging screw</p> <p>Function: For bracing pipe against sway and seismic disturbances, Functions as a longitudinal brace connection when attached to a lateral brace pipe. This combination bracing restricts piping movement in tension and compression longitudinally.</p> <p>Approvals: Underwriter's Laboratories Listed in the USA (UL) and Canada (cUL). Included in our Seismic Restraints Catalog approved by the State of California Office of Statewide Health Planning and Development (OSHPD).</p>	http://www.cooperindustries.com/content/public/en/b-line/products/seismic-bracing/rigid-bracing/4L.brands.tolco.html

<p>52 Fig. 1000 4" Plain Finish "Fast clamp" Sway Brace Attachment</p>	<p>8</p>	<p>Material: Carbon Steel Function: For bracing pipe against sway and seismic disturbance. The pipe attachment component of a sway brace Features: Field adjustable, making critical pre-engineering of bracing pipe unnecessary. Unique design requires no threading of bracing pipe. Can be used as a component of a 4-way riser brace. Can be used as longitudinal brace. Comes assembled and individually packaged with illustrated installation Instructions: Sizes are clearly marked. Steel leaf spring insert provided to assure installer and inspector necessary minimum torque has been achieved.</p>	<p>http://www.cooperindustries.com/content/public/en/b-line/products/seismic-bracing/fire-protection/1000.brands.tolco.html</p>
<p>53 Fig. 825 Plain Finish Bar Joist Sway Brace Attachment</p>	<p>10</p>	<p>Material: Carbon Steel Function: To attach sway bracing and hanger assemblies to steel open web structural members. Features: This product's design incorporates a concentric attachment point which is critical to the performance of structural seismic connections. NFPA 13 indicates the importance of concentric loading of connections and fasteners. Permits secure non-friction connection without drilling or welding. Unique design reinforces point of connection to joist. Break off head bolt design assures verification of proper installation torque (min. 31 ft.-lbs.). Approvals: Underwriters Laboratories Listed in the USA (UL) and Canada (cUL). Approved by Factory Mutual Engineering (FM). Included in our Seismic Restraints Catalog approved by the State of California Office of Statewide Health Planning and Development (OSHDP). For additional load, spacing and placement information relating to OSHDP projects, please refer to the TOLCO Seismic Restraint Systems Guidelines.</p>	<p>http://www.cooperindustries.com/content/public/en/b-line/products/seismic-bracing/structural-attachments/825.brands.tolco.html</p>
<p>54 Fig. 980 Plain Finish Universal Swivel Sway Brace Attachment</p>	<p>16</p>	<p>Material: Carbon Steel Function: Multi-functional attachment to structure or braced pipe fitting. Features: This product's design incorporates a concentric attachment opening which is critical to the performance of structural seismic connections. NFPA 13 (2010) 9.3.5.8.4 indicates clearly that fastener table load values are based only on concentric loading. Mounts to any surface angle. Break off bolt head assures verification of proper installation.</p>	<p>http://www.cooperindustries.com/content/public/en/b-line/products/seismic-bracing/rigid-bracing/980.brands.tolco.html</p>

55	3/8 Hilti drop-in Anchor	84	Drop-In Anchor, Non-Flange Type, Material Zinc Plated Steel, Anchor Dia 1/2 In, Thread Size 3/8-16, Thread Depth 1/2 In, Min Embedment 1 5/8 In, Ultimate Tension in 4000 PSI Concrete 3800 Lb, Ultimate Shear in 4000 PSI Concrete 3160 Lb, Drive Tools 3A498, Meets/Exceeds GSA Specifications FF-S-325, Group VIII, Type 1	http://www.us.hilti.com/holus/page/module/product/prca_rangedetail.jsf?lang=en&nodeld=-60311
56	1/2" x 3 3/4" Kwick Bolt TZ Expansion Anchor	50	Wedge Anchor, Fully Threaded, 304 Stainless Steel, Thread Size 1/2-13, Overall Length 3 3/4 In, Thread Length 2 1/4 In, Min Embedment 2 1/4 In, Max Work Thickness 1 In, Ultimate Tension in 4000 PSI Concrete 5100 Lb, Ultimate Shear in 4000 PSI Concrete 4760 Lb, Meets/Exceeds US Government GSA Specifications FF-S-325 Group II, Type 4, Class I, Includes Nuts And Washers,	http://www.us.hilti.com/holus/page/module/product/prca_rangedetail.jsf?lang=en&nodeld=-60338

SIGNS

57	Main Drain Sign (02-086-00)	1	SPRINKLER IDENTIFICATION SIGNS are made of aluminum, painted White or Red and printed with fade-resistant Red or White ink. Each sign has predrilled mounting holes for easy installation	http://www.fppi.com/products/list/133/sprinkler-identification-signs.aspx
58	Inspector Test Sign (02-074-00)	1	SPRINKLER IDENTIFICATION SIGNS are made of aluminum, painted White or Red and printed with fade-resistant Red or White ink. Each sign has predrilled mounting holes for easy installation	http://www.fppi.com/products/list/133/sprinkler-identification-signs.aspx
59	Control Valve Sign (02-082-00)	1	SPRINKLER IDENTIFICATION SIGNS are made of aluminum, painted White or Red and printed with fade-resistant Red or White ink. Each sign has predrilled mounting holes for easy installation	http://www.fppi.com/products/list/133/sprinkler-identification-signs.aspx
60	Hydraulic data plate (02-077-00)	1	SPRINKLER IDENTIFICATION SIGNS are made of aluminum, painted White or Red and printed with fade-resistant Red or White ink. Each sign has predrilled mounting holes for easy installation	http://www.fppi.com/products/list/133/sprinkler-identification-signs.aspx
61	Fire Dept. Connection Sign (02-051-00)	1	SPRINKLER IDENTIFICATION SIGNS are made of aluminum, painted White or Red and printed with fade-resistant Red or White ink. Each sign has predrilled mounting holes for easy installation	http://www.fppi.com/products/list/133/sprinkler-identification-signs.aspx

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