NO. 2 SPF OR BETTER FILLER BLOCK BEARING ON FLANGE REQUIRED WHEN SUPPORTING STEEL PIPE. ORIENT HORIZONTAL OR VERTICAL. MINIMUM 6” LENGTH 2x4

INSTALL PER NFPA 13. STEEL SPRINKLER SYSTEM PIPE 4” MAXIMUM DIAMETER OR 500 POUNDS MAXIMUM POINT LOAD

SP-1 ANGLE BRACKET HANGER

SHEET METAL SCREW: (2) #10x1-1/2” NAIL OPTION: (2) CLINCHED 8d (0.113”x2-1/2”)
CEILING FLANGE MINIMUM 3 SCREWS

INSTALL PER NFPA 13 AND MANUFACTURER’S INSTRUCTIONS. STEEL SPRINKLER SYSTEM PIPE 4” MAXIMUM DIAMETER OR 500 POUNDS MAXIMUM POINT LOAD

FASTENER CENTERLINE FROM WEB FACE 1/2” MAXIMUM

CEILING FLANGE HANGER
NO. 2 SPF OR BETTER FILLER BLOCK
BEARING ON FLANGE REQUIRED WHEN
SUPPORTING STEEL PIPE. ORIENT HORIZONTAL
OR VERTICAL, MINIMUM 6” LENGTH 2x4

SHEET METAL SCREW:
(2) #10x1-1/2”
NAIL OPTION:
(2) CLINCHED 8d (0.113”x2-1/2”)

COACH SCREW ROD 3/8”
MAXIMUM DIAMETER

INSTALL PER NFPA 13. STEEL
SPRINKLER SYSTEM PIPE
4” MAXIMUM DIAMETER OR 500
POUNDS MAXIMUM POINT LOAD

COACH SCREW HANGER

SPR-3
NO. 2 SPF OR BETTER FILLER BLOCK BEARING ON FLANGE OK, BUT NOT REQUIRED. MINIMUM 6" LENGTH 2x4

INSTALL PER NFPA 13 AND MANUFACTURER'S INSTRUCTIONS.
CPVC SPRINKLER SYSTEM PIPE 3" MAXIMUM DIAMETER OR 310 POUNDS MAXIMUM POINT LOAD

SHEET METAL SCREW: (4) #10x1-1/2"
NAIL OPTION: (4) CLINCHED 8d (0.113" x 2-1/2"

CPVC HANGER -- DOUBLE OFFS
OPTION 1

SHEET METAL SCREW
(4) #10x2"

NO. 2 SPF OR BETTER FILLER
BLOCK BEARING ON FLANGE OK,
BUT NOT REQUIRED 48' MAXIMUM
LENGTH 2x6

NAIL OPTION EACH END 1/2"
STAGGER: (6) 10d (0.148" x 3")

OPTION 2

SHEET METAL SCREW EACH ENDS:
(2) #10x1-1/2"
NAIL OPTION EACH END: (2) 8d
(0.113"x2-1/2"

2x4 HANGER BLOCK BEARING ON
FLANGE OR BEARING ON
SECURED 4" MINIMUM LENGTH
2x4 BLOCK BEARING ON FLANGE

CENTER HANGER
LOCATION NOT REQUIRED

NOTE:
INSTALL PER NFPA 13 AND MANUFACTURER'S INSTRUCTIONS.
CPVC SPRINKLER SYSTEM PIPE 3" MAXIMUM DIAMETER OR 310
POUNDS MAXIMUM POINT LOAD (155 POUNDS PER JOIST)

A HANGER BLOCK CONNECTION

SPR-5 CPVC HANGER – FACE MOUNT
OPTION 1

BACKING NUTS

INSTALL PER NFPA 13 AND MANUFACTURER'S INSTRUCTIONS.
CPVC SPRINKLER SYSTEM PIPE 3"
MAXIMUM DIAMETER OR 310 POUNDS MAXIMUM POINT LOAD

OPTION 2

SHEET METAL SCREW: (4)
#10x1-1/2"
NAIL OPTION: (4) CLINCHED 8d (0.113x2-1/2"

NO. 2 SPF OR BETTER FILLER BLOCK BEARING ON FLANGE OK, BUT NOT REQUIRED. MINIMUM 6"
LENGTH 2x4

CPVC HANGER – OFFSET
INSTALL PER NFPA 13 AND MANUFACTURER’S INSTRUCTIONS. CPVC SPRINKLER SYSTEM PIPE 3” MAXIMUM DIAMETER OR 310 POUNDS MAXIMUM POINT LOAD
NO. 2 SPF OR BETTER FILLER BLOCK
BEARING ON FLANGE REQUIRED WHEN
SUPPORTING STEEL PIPE. ORIENT HORIZONTAL
OR VERTICAL. MINIMUM 6” LENGTH 2x4

INSTALL PER NFPA 13.
STEEL SPRINKLER SYSTEM
PIPE 4” MAXIMUM DIAMETER
OR 500 POUNDS MAXIMUM
POINT LOAD

SHEET METAL SCREW:
(2) #10x1-1/2”
NAIL OPTION:
(2) CLINCHED 8d (0.113”x2-1/2”)

SPR-9 EYE ROD HANGER
JOIST CLAMP HANGER
PER MANUFACTURER’S
SPECIFICATION RE:
DIMENSION AND CAPACITY

INSTALL PER NFPA 13 AND
MANUFACTURER’S INSTRUCTIONS,
STEEL SPRINKLER SYSTEM PIPE 4"
MAXIMUM DIAMETER OR 500
POUNDS MAXIMUM POINT LOAD

JOIST CLAMP HANGER
NO. 2 SPF OR BETTER HANGER BLOCK BEARING ON FLANGE REQUIRED WHEN SUPPORTING STEEL PIPE

INSTALL—48” MAXIMUM LENGTH 2x4
FOR 3” MAXIMUM DIAMETER=475 POUNDS MAXIMUM POINT LOAD

INSTALL—48” MAXIMUM LENGTH 2x6
FOR 5” MAXIMUM DIAMETER=600 POUNDS MAXIMUM POINT LOAD

LOAD CARRIED BY HANGERS
MAIN MEMBER— THE LAST MEMBER/MEMBERS PENETRATED BY THE FASTENER.

SIDE MEMBER— THE FIRST MEMBER PENETRATED BY THE FASTENER
SLAVE PIECE ORIENT
HORIZONTAL 12” MIN.
LENGTH 2x4 SHEET METAL
SCREWS: (2) #14x2”

CENTRAL HANGER LOCATION
NOT REQUIRED

INSTALL 48” MAXIMUM LENGTH
NFPA 13 ANGLE IRON

OPTION 1
INSTALL PER NFPA 13.
CPVC SPRINKLER SYSTEM
PIPE 2-1/2” MAXIMUM
DIAMETER = 290 POUNDS
MAXIMUM POINT LOAD
(145 POUNDS PER JOIST)

LAG SCREW: (1) 1/4x3”
SHEET METAL SCREW
OPTION: (1) #14x3”
CENTERLINE FROM WEB
FACE 3/4” MAXIMUM

OPTION 2
INSTALL PER NFPA 13.
STEEL SPRINKLER SYSTEM
PIPE 4” MAXIMUM
DIAMETER = 500 POUNDS
MAXIMUM POINT LOAD
(250 POUNDS PER JOIST)

SHEET METAL SCREW
OPTION: (1) #14x3”
CENTERLINE FROM WEB
FACE 1/2” MAXIMUM

SLAVE PIECE ORIENT
HORIZONTAL 12” MINIMUM
LENGTH 2x4 SHEET METAL
SCREWS: (2) #14x3”

SPR-13
NFPA 13 STEEL ANGLE TRAPEZE WITH HANGER
NO. 2 SPF OR BETTER FILLER
BLOCK BEARING ON FLANGE
REQUIRED WHEN SUPPORTING STEEL
PIPE, ORIENT HORIZONTAL OR
VERTICAL, MINIMUM 6" LENGTH 2x4

INSTALL PER NFPA 13 AND
MANUFACTURER’S INSTRUCTIONS.
STEEL SPRINKLER SYSTEM PIPE 4"
MAXIMUM DIAMETER OF 500
POUNDS MAXIMUM POINT LOAD

OFFSET EYE - SOCKET HANGER

SHEET METAL SCREW
(2) #10x1-1/2"
NAIL OPTION:
(2) CLINCHED 8d (0.113"x2-1/2")
**Option #1**

**Sheet Metal Screw Through**
- **Web Into Block:** (8) #10x1-1/2"
- **Lag Option Through**
- **Web Into Block:** (8) 1/4"x1-1/2"
- **Nail Option Through**
- **Web Into Block:** (10) Clinched 10d (0.128"x3")

**Install per NFPA 13 and Manufacturer’s Instructions. Maximum Horizontal Load = 650 Pounds Includes a 1.33 Duration of Load Adjustment**

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**Option #2**

**Sheet Metal Screw Each Side:** (8) #14x3"
- **Lag Option Each Side:** (8) 1/4"x3"
- **Nail Option Each Side:** (10) Clinched 12d (0.128"x3-1/4")

**Install per NFPA 13 and Manufacturer’s Instructions. Maximum Horizontal Load = 1000 Pounds Includes a 1.33 Duration of Load Adjustment**

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**Sway Brace Blocking for Seismic Parallel to Joist**

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**No. 2 SPF or Better Filler and Slave Block Bearing on Flange OK, But Not Required. Install Both Sides Minimum 12" Long 2x6**
Lag screw: (3) 1/4" x 2"

Install sway brace bolt at minimum 4D from any edge.

No. 2 SPF or better brace blocking, install one 48" maximum length 4x6 against webs and under upper flanges.

Lag screw through side: (3) 1/4" x 3"

Install per NFPA 13 and manufacturer's instructions, maximum load = 585 pounds includes a 1.33 duration of load adjustment (243 pounds per joist).

Sway brace blkg for seismic perpendicular to joist 1.
SWAY BRACE BLKG FOR SEISMIC PERPENDICULAR TO JOIST 2
CROSS MEMBER LAG SCREWS:
FOUR- 1/4” x 3” EACH END
SHEET METAL SCREW: FOUR –
#14x3” EACH END NAIL OPTION:
SIX- 12d (0.128” x 3-1/4”)
EACH END

WEB BLOCKING LAG SCREWS:
FOUR- 1/4” X 2” EACH END
SHEET METAL SCREWS:
FOUR # 14 x 1-1/2” EACH END

INSTALL SWAY BRACE BOLT AT
MINIMUM 4D FROM ANY EDGE

NO. 2 SPF OR BETTER
BRACE BLOCKING, INSTALL
ONE—FULL LENGTH VERTICAL
2x4 FLAT ON EACH WEB
BETWEEN TOP AND BOTTOM
FLANGES INSTALL ONE— 48”
MAXIMUM LENGTH
HORIZONTAL 2x6 AGAINST
WEBS AND UNDER UPPER
FLANGES

INSTALL PER NFPA 13 AND
MANUFACTURER’S INSTRUCTIONS,
MAXIMUM LOAD = 515 POUNDS
INCLUDES A 1.33 DURATION OF
LOAD ADJUSTMENT (258 POUNDS
PER JOIST)

SWAY BRACE BLKG FOR SEISMIC LOADS PERPENDICULAR TO THE JOIST