OMNI CONSTRUCTION

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Request For Information

Date	May 11th , 2026
Project	Westmoore HS Entry Upgrades
Subcontractor / Supplier	
	Address:
Manufacturer	
Spec. Section	RFI #4 Fire Protection

Notes Below

Clay / Mike please see the RFI substitute request from AL Fire Protection below.

1. The FP drawing shows that the piping to the remote fire department connection is to be provided as part of fire sprinkler scope of work. As a fire sprinkler subcontractor, we do not have the equipment to provide underground work. Can the underground for the remote FDC be provided by the subcontractor who is providing the underground fireline? The fireline will be ran to the building by the utility contractor. (CD-OMNI)
2. Fire sprinkler systems spec 211000 Section 2.2.A.1 shows that pipe 2" and smaller should be Schedule 40 pipe with threaded fittings. Is it acceptable for pipe 1 ¼ - 2" to be installed with light wall roll-grooved pipe and joined with grooved couplings? Obviously, any threaded pipe would be Schedule 40 pipe.

3, Fire sprinkler systems spec Section 3.8D shows a pipe hanger table which is more stringent than NFPA-13. I have attached the tables for pipe hangers from NFPA-13 for your review. NFPA-13 requires hangers on 1" pipe every 12'-0"; whereas the specs require a hanger on 1" pipe every 6'-0". Is it acceptable to provide hangers on fire sprinkler piping per NFPA-13 or are the more stringent requirements required.

Thanks

2. Sprinkler pipe size 1-1/4" – 2" : light wall roll-grooved pipe with grooved couplings is acceptable.
3. Sprinkler pipe hangers spaced per NFPA 13 is acceptable.
- Kevin Parsons SOBE 5/12/2026

Submitted By: Chris Dysart

Table 9.1.4.5.1 Minimum Bolt or Rod Size for Steel

Pipe Size		Size of Bolt or Rod	
in.	mm	in.	mm
Up to and including 4	100	⅜	10
5 6 8	125 150 200	½	12
10	250	⅝	15
12	300	¾	20

9.1.5.2 Ceiling Flanges and U-Hooks with Screws.

9.1.5.2.1 Unless the requirements of 9.1.5.2.2 or 9.1.5.2.3 are met, for ceiling flanges and U-hooks, screw dimensions shall not be less than those given in Table 9.1.5.2.1.

9.1.5.2.2 When the thickness of planking and thickness of flange do not permit the use of screws 2 in. (50 mm) long, screws 1¾ in. (45 mm) long shall be permitted with hangers spaced not over 10 ft (3 m) apart.

9.1.5.2.3 When the thickness of beams or joists does not permit the use of screws 2½ in. (65 mm) long, screws 2 in. (50 mm) long shall be permitted with hangers spaced not over 10 ft (3 m) apart.

9.1.5.3 Bolts, Rods, or Lag Screws.

9.1.5.3.1 Unless the requirements of 9.1.5.3.2 are met, the size of bolt, rod, or lag screw used with a hanger and installed on the side of the beam shall not be less than specified in Table 9.1.5.3.1.

9.1.5.3.2 Where the thickness of beams or joists does not permit the use of screws 2½ in. (65 mm) long, screws 2 in. (50 mm) long shall be permitted with hangers spaced not over 10 ft (3 m) apart.

9.1.5.3.3 All holes for lag screws shall be pre-drilled ⅛ in. (3 mm) less in diameter than the maximum root diameter of the lag screw thread.

9.1.5.3.4 Holes for bolts or rods shall not exceed 1/16 in. (1.6 mm) greater than the diameter of the bolt or rod.

9.1.5.3.5 Bolts and rods shall be provided with flat washers and nuts.

9.1.5.4 Wood Screws. Wood screws shall be installed with a screwdriver.

9.1.5.5 Nails. Nails shall not be acceptable for fastening hangers.

9.1.5.6 Screws in Side of Timber or Joists.

9.1.5.6.1 Screws in the side of a timber or joist shall be not less than 2½ in. (65 mm) from the lower edge where supporting pipe is up to and including nominal 2½ in. and not less than 3 in. (75 mm) where supporting pipe is greater than nominal 2½ in.

9.1.5.6.2 The requirements of 9.1.5.6.1 shall not apply to 2 in. (50 mm) or thicker nailing strips resting on top of steel beams.

Table 9.1.5.2.1 Screw Dimensions for Ceiling Flanges and U-Hooks

Pipe Size		
in.	mm	Two Screw Ceiling Flanges
Up to and including 2	50	Wood screw No. 18 × 1½ in. or Lag screw 5/16 in. × 1½ in.
		Three Screw Ceiling Flanges
Up to and including 2	50	Wood screw No. 18 × 1½ in.
2½ 3 3½	65 80 90	Lag screw ⅜ in. × 2 in.
4 5 6	100 125 150	Lag screw ½ in. × 2 in.
8	200	Lag screw ⅝ in. × 2 in.
		Four Screw Ceiling Flanges
Up to and including 2	50	Wood screw No. 18 × 1½ in.
2½ 3 3½	65 80 90	Lag screw ⅜ in. × 1½ in.
4 5 6	100 125 150	Lag screw ½ in. × 2 in.
8	200	Lag screw ⅝ in. × 2 in.
		U-Hooks
Up to and including 2	50	Drive screw No. 16 × 2 in.
2½ 3 3½	65 80 90	Lag screw ⅜ in. × 2½ in.
4 5 6	100 125 150	Lag screw ½ in. × 3 in.
8	200	Lag screw ⅝ in. × 3 in.

9.1.5.7 Coach Screw Rods.

9.1.5.7.1 Minimum Coach Screw Rod Size. The size of coach screw rods shall not be less than the requirements of Table 9.1.5.7.1.

9.1.5.7.2 The minimum plank thickness and the minimum width of the lower face of beams or joists in which coach screw rods are used shall be not less than that specified in Table 9.1.5.7.2 and shown in Figure 9.1.5.7.2.

accordance with 9.2.1.3.3.2, a hanger(s) attached to the structure shall be required to ensure that the maximum unsupported length does not exceed 6 ft (1.8 m).

9.2.1.3.3.4* Where flexible sprinkler hose fittings are used to connect sprinklers to branch lines in suspended ceilings, a label limiting relocation of the sprinkler shall be provided on the anchoring component.

9.2.1.4 Metal Deck.

9.2.1.4.1* Branch line hangers attached to metal deck shall be permitted only for the support of pipe 1 in. (25 mm) or smaller in size, by drilling or punching the vertical portion of the metal deck and using through bolts.

9.2.1.4.2 The distance from the bottom of the bolt hole to the bottom of the vertical member shall be not less than ⅜ in. (10 mm).

9.2.1.5 Where sprinkler piping is installed below ductwork, piping shall be supported from the building structure or from the ductwork supports, provided such supports are capable of handling both the load of the ductwork and the load specified in 9.2.1.3.1.

9.2.2* Maximum Distance Between Hangers.

9.2.2.1 The maximum distance between hangers shall not exceed that specified in Table 9.2.2.1(a) or Table 9.2.2.1(b), except where the provisions of 9.2.4 apply.

9.2.2.2 The maximum distance between hangers for listed nonmetallic pipe shall be modified as specified in the individual product listings.

9.2.3 Location of Hangers on Branch Lines.

9.2.3.1 Subsection 9.2.3 shall apply to the support of steel pipe or copper tube as specified in 6.3.1 and subject to the provisions of 9.2.2.

9.2.3.2* Minimum Number of Hangers.

9.2.3.2.1 Unless the requirements of 9.2.3.2.2 through 9.2.3.2.5 are met, there shall be not less than one hanger for each section of pipe.

9.2.3.2.2* Unless the requirements of 9.2.3.2.3 are met, where sprinklers are spaced less than 6 ft (1.8 m) apart, hangers spaced up to a maximum of 12 ft (3.7 m) shall be permitted.

9.2.3.2.3 For welded or mechanical outlets on a continuous section of pipe, hanger spacing shall be according to Table 9.2.2.1(a) or Table 9.2.2.1(b).

9.2.3.2.4* Starter lengths less than 6 ft (1.8 m) shall not require a hanger, unless on the end line of a sidefeed system or where an intermediate cross main hanger has been omitted.

9.2.3.2.5* A single section of pipe shall not require a hanger when the cumulative distance between hangers on the branch line does not exceed the spacing required by Table 9.2.2.1(a) and Table 9.2.2.1(b).

9.2.3.3 Clearance to Hangers. The distance between a hanger and the centerline of an upright sprinkler shall not be less than 3 in. (75 mm).

9.2.3.4* Unsupported Lengths.

9.2.3.4.1 For steel pipe, the unsupported horizontal length between the end sprinkler and the last hanger on the line shall not be greater than 36 in. (900 mm) for 1 in. (25 mm) pipe, 48 in. (1.2 m) for 1¼ in. (32 mm) pipe, and 60 in. (1.5 m) for 1½ in. (40 mm) or larger pipe.

9.2.3.4.2 For copper tube, the unsupported horizontal length between the end sprinkler and the last hanger on the line shall not be greater than 18 in. (450 mm) for 1 in. (25 mm) pipe, 24 in. (600 mm) for 1¼ in. (32 mm) pipe, and 30 in. (750 mm) for 1½ in. (40 mm) or larger pipe.

9.2.3.4.3 Where the limits of 9.2.3.4.1 and 9.2.3.4.2 are exceeded, the pipe shall be extended beyond the end sprinkler and shall be supported by an additional hanger.

9.2.3.4.4* Unsupported Length with Maximum Pressure Exceeding 100 psi (6.9 bar) and Branch Line Above Ceiling Supplying Sprinklers in Pendent Position Below Ceiling.

9.2.3.4.4.1 Where the maximum static or flowing pressure, whichever is greater at the sprinkler, applied other than through the fire department connection, exceeds 100 psi (6.9 bar) and a branch line above a ceiling supplies sprinklers in a pendent position below the ceiling, the hanger assembly supporting the pipe supplying an end sprinkler in a pendent position shall be of a type that prevents upward movement of the pipe.

9.2.3.4.4.2 The unsupported length between the end sprinkler in a pendent position or drop nipple and the last hanger on the branch line shall not be greater than 12 in. (300 mm) for steel pipe or 6 in. (150 mm) for copper pipe.

Table 9.2.2.1(a) Maximum Distance Between Hangers (ft-in.)

	Nominal Pipe Size (in.)											
	¾	1	1¼	1½	2	2½	3	3½	4	5	6	8
Steel pipe except threaded lightwall	NA	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0
Threaded lightwall steel pipe	NA	12-0	12-0	12-0	12-0	12-0	12-0	NA	NA	NA	NA	NA
Copper tube	8-0	8-0	10-0	10-0	12-0	12-0	12-0	15-0	15-0	15-0	15-0	15-0
CPVC	5-6	6-0	6-6	7-0	8-0	9-0	10-0	NA	NA	NA	NA	NA
Ductile-iron pipe	NA	NA	NA	NA	NA	NA	15-0	NA	15-0	NA	15-0	15-0

NA: Not applicable.