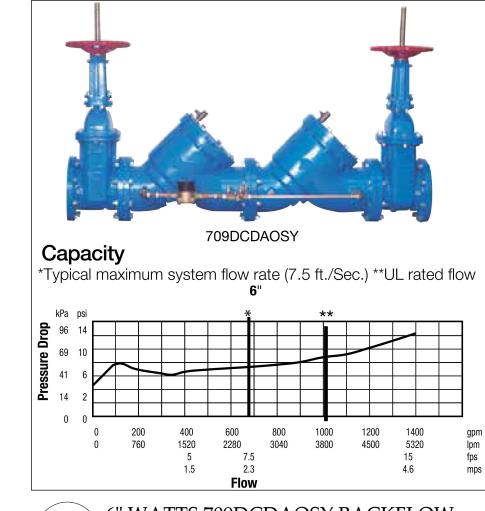
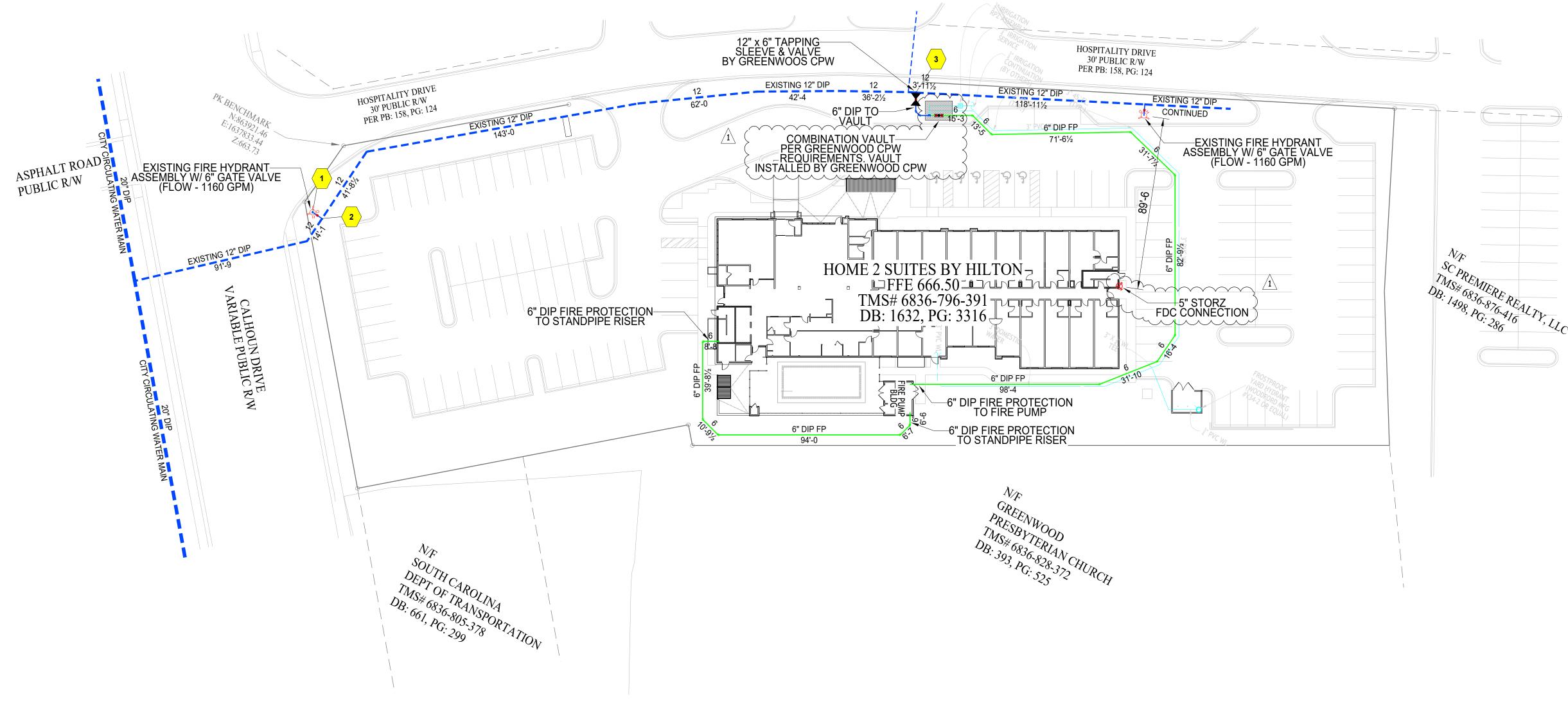
VICINITY SITE MAP - N.T.S.

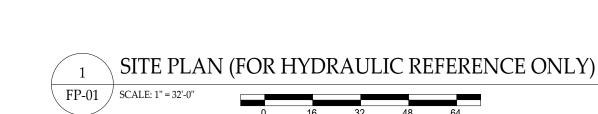
HOME 2 SUITES BY HILTON 4-STORY HOTEL CONSTRUCTION FIRE PROTECTION

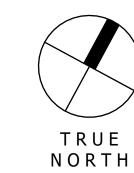
475 Hospitality Blvd, Greenwood, SC 29649







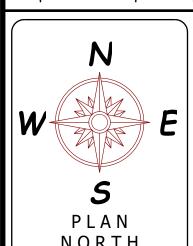




SITE PLAN GENERAL NOTES

1. ALL UG PIPING AND UNDERGROUND APPURTENANCES BY OTHERS. THE HILLER COMPANIES TO START 1'-0" ABOVE FINISHED FLOOR. . UNDERGROUND PIPE, INCLUDING FIRE SPRINKLER FLANGED SPIGOT PIPE, SHALL BE HYDROSTATICALLY TESTED FOR TWO HOURS AT 200 PSI OR 50 PSI IN EXCESS OF NORMAL WORKING PRESSURE WHEN NORMAL WORKING PRESSURE EXCEEDS 150 PSI PER NFPA 24; 10.10.2.2 AND FLUSHED PER 24; 10.10.2.1 PRIOR TO CONNECTION TO SPRINKLER RISER. (TEST CONDUCTED BY OTHERS)

It is the sole responsibility of owner and owners representative to insure that this building/buildings has proper heat and insulation to prevent fire sprinkler pipe, fittings and devices from freezing.



1.) SYSTEMS ARE DESIGNED AND INSTALLED PER NFPA 13 (2019 EDITION) 2.) RESIDENTIAL SYSTEM PIPING 2" AND SMALLER TO BE CPVC WITH CPVC FITTINGS. CONVERT TO BLACK STEEL PIPE AND FITTINGS WHERE EXPOSED. | RESIDUAL PRESSURE AND FITTINGS ARE THREADED / GROOVED / FLANGED / WELDED. FITTINGS ARE GROOVED / FLANGED / WELDED. 5.) ALL HANGERS ARE TO MEET THE CRITERIA SET FORTH BY NFPA 13 (2019 6.) WIRING OF ELECTRICAL EQUIPMENT IS TO BE BY OTHERS.

3.) STEEL SYSTEM PIPING 2" AND SMALLER TO BE SCH. 40 BLACK STEEL PIPE 4.) STEEL SYSTEM PIPING 2½" OR LARGER TO BE SCH. 10 BLACK STEEL PIPE AND EDITION) AND SPACED ACCORDING TO MANUFACTURES SPECIFICATIONS. 7.) PAINTING OF PIPE OR COMPONENTS SHALL BE BY OTHERS. 8.) 1 = REPRESENTS A HYDRAULIC REFERENCE POINT. 9.) THE HILLER COMPANIES TO START 1'-0" ABOVE FINISHED FLOOR. 10.) ALL UNDERGROUND PIPING BY OTHERS. 11.) SPRINKLERS LOCATED 7'-6" OR LESS FROM FLOOR TO BE PROTECTED

(SEAL: WATER SUPPLY INFORMATION 09/30/2025 ELECTRICAL REQ.5 HYDRANT LOCATION @ TEST NODE (SEE SITE PLAN) NODE #1 ((864) 942-8199

SIZE GPM @ PSI

1160 TYPE OF DRIVER

GREENWOOD CPW

TEST TAKEN BY

TESTED BY - MIKE PROCTOR

WITNESSED BY - RUSSELL HOLLEY

HYDRANT LOCATION - SEE FP-01

CONTACT EMAIL - RHOLLEY@GREENWOODCPW.COM

NTCET REVIEW STAMP SIGNED: VUVU SUUN J

VALID THROUGH 01/01/2027

CET REVIEW STAMP	
JUAN OCHOA	Symb
NICET #139445	
LEVEL IV	
BASED SYSTEMS LAYOUT	
_	
The delay	
JUMISUS	

Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note	Max Spacing
\boxtimes	Viking	VK300	Microfast	9	5.6	Upright	1/2	Quick	Brass	200°F	Exposed	130ft² OH / 225ft² LF
	Viking	VK4621	Concealed	55	5.6	Concealed Pendent	1/2	Quick	Brass	155°F	White Coverplate	130ft² OH / 225ft² LF
Ø	Viking	VK302	Microfast	33	5.6	Pendent	1/2	Quick	Chrome	200°F	Chrome Res Esc	130ft² OH / 225ft² LF
	Viking	VK4621	Concealed	1	5.6	Concealed Pendent	1/2	Quick	Brass	200°F	White Coverplate	130ft² OH / 225ft² LH
	Viking	VK494	Freedom	59	4.9	Concealed Pendent	1/2	Fast	Brass	155°F	White Coverplate	18 x 18 / 324ft²
	Generic	MFG	Chute Head	4	5.6	Horizontal Sidewall	1/2	Quick	Brass	155°F	Connect Chute Head	100ft ² OH / 196ft ² LF
	Viking	VK305	Microfast	3	5.6	Horizontal Sidewall	1/2	Quick	Chrome	200°F	Chrome Res Esc	100ft ² OH / 196ft ² LF
	Viking	VK460	Freedom	104	5.8	Horizontal Sidewall	1/2	Fast	Chrome	155°F	Chrome Res Esc	16 x 16 ft / 256ft ²
•	Viking	VK482	Dry	7	5.6	Pendent	1	Quick	White Polyester	205°F	White Flat Esc	130ft² OH / 225ft² LH
	Viking	VK468	Freedom	208	4.9	Pendent	1/2	Fast	Chrome	155°F	Chrome Res Esc	18 x 18 / 324ft²

Sprinkler Legend - Total Project

NO.	DATE	REVISION DISCRIPTION	ВУ	
1	12/18/25	ENGINEER'S COMMENTS	TWH	
\triangle				
				CC
\wedge				1/2



P O BOX 458

SUBMITTALS Home 2 Suites 475 Hospitality Blvd. Greenwood, SC 29649 CONTRACT WITH: John M. Campbell Company Monroe, NC 28110 PHONE: (704) 254-3214 DRAWING NAME: SITE PLAN & DESIGN NOTES

102 Winchester Avenue

FP-01 of 08 CONTRACT NO.: CF0588

FAX: 704-784-4405 DRAWN BY: TWH AHJ: LLR / Greenwood FM PH: 757-391-0050 DATE: 12/18/25 PORTSMOUTH VA. 23705 FAX: 757-391-0098 SCALE: AS NOTED

4. ALL RISERS OVER 3' LONG TO HAVE A 4-WAY BRACE. □RISERS DO NOT INCLUDE RISER NIPPLES AS DEFINED IN NFPA 13. 5. RETAINING STRAPS TO BE INSTALLED ON ALL C - TYPE CLAMPS. SEISMIC DESIGN INFORMATION REFERENCE USED: IBC-2021 / ASCE 7-16 (REFERENCE S-001 GENERAL NOTES)

SITE CLASS: D SEISMIC DESIGN CATEGORY (a): C SEISMIC OCCUPANCY CATEGORY (b): III SEISMIC RISK CATEGORY (c): JI SEISMIC COEFFICIENT: $(Ss^{Y} = 0.30)/Cp = 0.35$

OWNERS RESPONSIBILTY

PROVIDE ADEQUATE WATER VOLUME AND PRESSURE TO THE SPRINKLER SYSTEM. PROVIDE BUILDING STRUCTURE CAPABLE OF HANDLING ALL REQUIRED LIVE LOADS AND SEISMIC LOADS AS REQUIRED BY CODE. NOTIFY SPRINKLER CONTRACTOR IN WRITING OF PROJECT SCHEDULE, CHANGES TO SCHEDULE, CHANGES TO SITE CONDITIONS AND STRUCTURE THAT COULD IMPACT OUR DESIGN AND INSTALLATION. OWNER SHALL MAINTAIN BUILDING TEMPERATURES ABOVE 40 DEGREES FAHRENHEIT WHERE WET PIPE SYSTEMS ARE INSTALLED TO PREVENT FREEZING OF PIPE.

CONTRACT RESPONSIBILITIES

STREET WATER CONNECTION

DRAWING INDEX

SHEET NO. FP-01

FP-02

FP-03

FP-04

FP-05

FP-07

LIGHT HAZARD

ORDINARY HAZARD GROUP I RESIDENTIAL SPRINKLERS

** OR PER LISTING OF RESIDENTIAL HEAD

RESIDENTIAL AREA OF APPLICATION

RESIDENTIAL HOSE ALLOWANCE

CODESUMMARY

NFPA 24 (UNDERGROUND BY OTHERS)

INTERNATIONAL BUILDING CODE W/ SC AMENDMENTS INTERNATIONAL FIRE CODE W/ SC AMENDMENTS

USE GROUP & CONSTRUCTION

ZONE AREA OF PROTECTION

LOCATION

PUMP ROOM

1ST FLOOR FŘOŇT ČANŎPY

2ND FLOOR

3RD FLOOR

4TH FLOOR

1. PIPES GOING THRU BLOCK WALLS OR FLOORS TO HAVE FLEXIBLE COUPLINGS ON EACH SIDE OF THE

2. RISER NIPPLES BETWEEN 3'-0" AND 7'-0" IN LENGTH TO HAVE ONE FLEXIBLE COUPLING WITHIN 24" OF THE

3. BRANCH LINES SUPPORTED BY RODS LESS THAN 6" LONG SHALL NOT REQUIRE ADDITIONAL RESTRAINT

PROJECT TOTAL

WALLS/FLOORS OR PROVIDE OVERSIZED HOLES PER NFPA 13 18.4.2.

1" - 31/2" PIPE THE OVERSIZED HOLE SHALL BE 2" LARGER THAN THE DIAMETER. 4" & LARGER PIPE THE OVERSIZED HOLE SHALL BE 4" LARGER THAN THE DIAMETER.

AREA OF APPLICATION

FACILITY USAGE

NFPA 25

NFPA 101

CONSTRUCTION TYPE:

OCCUPANCY GROUP:

NUMBER OF STORIES: SPRINKLER SYSTEM:

STANDPIPE SYSTEM:

ZONE NUMBER

ZONE P

ZONE 1

ZONE 1D

ZONE 2

ZONE 3

ZONE 4

SEISMIC NOTES

TOP OR BOTTOM OF THE RISER NIPPLE.

BUILDING HEIGHT IN FEET:

SHEET TITLE

SITE PLAN & DESIGN NOTES

SEISMIC & GENERAL NOTES

FIRE PUMP DETAILS

FIRE SUPPRESSION PLAN - FIRST FLOOR

FIRE SUPPRESSION PLAN - SECOND FLOOR FIRE SUPPRESSION PLAN - THIRD FLOOR

FIRE SUPPRESSION PLAN - FOURTH FLOOR STANDPIPE HYDRAULIC CALCULATION REFERENCE

225 STANDARD COVERAGE / 400 EXT COVERAGE

1500 SQ.FT. (AREA REDUCTIONS ALLOWED PER NEPA 13) 100 GPM FOR LIGHT HAZARD / 250 FOR ORDINARY HAZARD

(WEŤ & DRY ŠÝSTĚMS)

PRIMARY R-1 W/ A2,A3 & B 49'-0 SHOWN ON PLAN

1 A STORIES NFPA 13 WET & DRY

YES (WET MANUAL CLASS I)

TOTAL SQFT

232 SQFT

14,372 SQFT

14,564 SQFT

14,564 SQFT

14,564 SQFT (58,683 SQFT)

HILLER EXIST/OTHERS

RESIDENTIAL

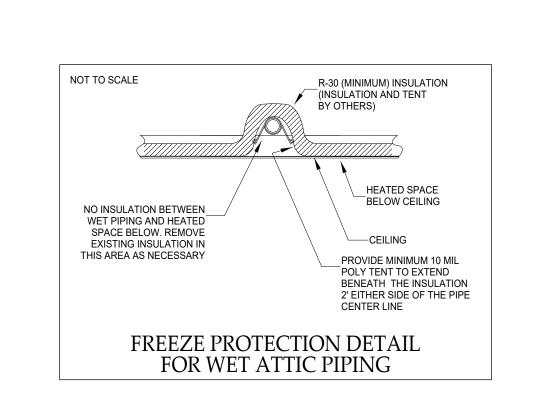
OVERALL FIRE SPRINKLER DESIGN CRITERIA

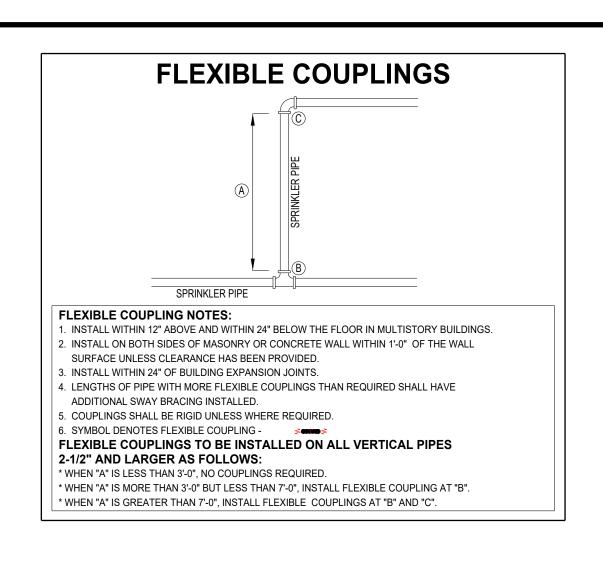
* AREA REDUCTIONS ALLOWED FOR QUICK-RESPONSE SPRINKLERS PER NFPA 13 19.3.3.2.3.1

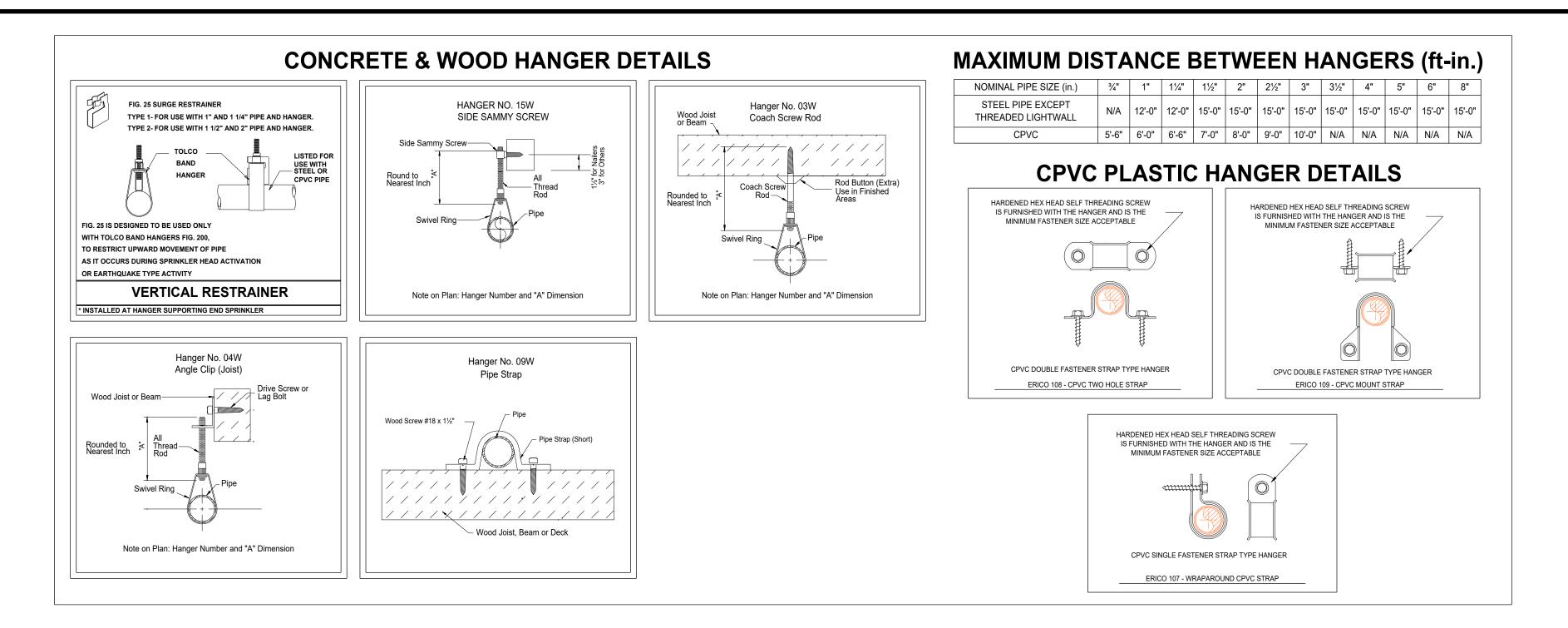
OR USE ROOM DESIGN METHOD PER NFPA 13 19.3.3.3 WHERE APPLICABLE

FIRE SPRINKLER DESIGN CRITERIA

UNDERGROUND WATER MAINS TO 5'-0" OUTSIDE	
AT STUB-UP 1'-0" ABOVE FINISHED FLOOR	
WIRING	lacksquare
PIPE IDENTIFICATION MARKERS OR PAINTING	V
FIRE EXTINGUISHERS AND/OR HOSE RACKS	V
FIRE DEPARTMENT CONNECTION	V
CUTTING & PATCHING OF CEILINGS	V







LATERAL SEISMIC BRACING CALCULATIONS (STEEL PIPE)

Address:

Telephone:

Structure attachment fittings:

FAST CLAMP

(to be used on plans)

Lateral brace

SPRINKLER SYSTEM LOAD CALCULATION WHERE Cp = 0.35

* LISTED LOAD RATING PER NFPA 13 - 2019 USED (5" RODS USED - NO LATERAL BRACING REQUIRED PER NFPA 13; 18.5.5.10.2)

Sway brace (pipe attachment) fittings:

Contractor: The Hiller Companies, LLC.

Fax: (__)__-_/_

SEISMIC BRACE ATTACHMENTS

Listed load rating: 2015 Adj. load rating: 1425

Make: PHD Model: Fig. 015

Listed load rating: /1000 Adj. load rating: 707

SÉISMIC BRACE ASSEMBLY DETAIL

2.93 lb./ft.

5.89 lb./ft.

7.94 lb./ft.

11.78 lb./ft.

 $F_{pw} = C_p x W_p x 1.15 \text{ (safety):} 0.00 \text{ lb.}$

23.03 lb./ft.

Total weight of water filled pipe W_p :

FIG. 030

PHD Model: Fig. 030

300 Manor Ave SW

Concord, NC 28025/

(704) 784-4218

Project:

Diameter of brace

Angle of brace:

I/r value:

0.00 lb.

0.00 lb.

0.00 lb.

0.00 lb.

0.00\lb.

Least radius of gyration:

Maximum horizontal load:

11/4 in. SCH 40

1½ in. SCH 10

2½ in. | SCH 10

3 in. SCH 10

4 in. SCH 10

Orientation of connecting surface:

Home2 Suites By Hilton

475 Hospitality Blvd.

BRACE INFORMATION

FASTENER INFORMATION

Greenwood, SC 29649

1 in.

Schedule 40

√ 45° to 59°

1,310 lb.

Through-Bolt

w/ Fender Washer

5-1/2"

____620 lb.

Address;

Length of brace

Type of brace:

Angle of brace:

l/r value:

Length:

0.00 lb.

0.00 lb.

0.00 lb.

177.60 lb.

0.00 lb.

0.00 lb.

0.00 lb.

Maximum load:

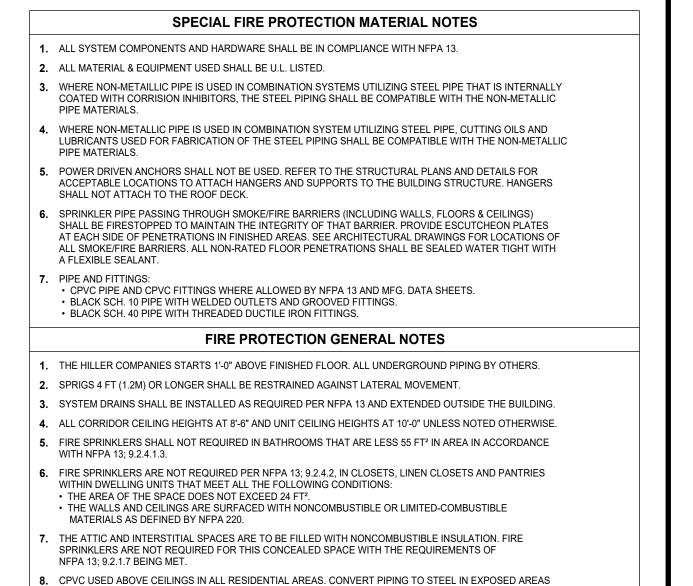
SCH 10

Diameter of brace:

Least radius of gyration:

Maximum horizontal load:

Orientation of connecting surface:



AND ROOMS OF ORDINARY HAZARD OCCUPANCIES EXCEEDING 400 FT².

OF WINDOWS, DOORWAYS, STAIRS, PASSAGEWAYS OR ACCESS TO EQUIPMENT

Home2 Suites By Hilton

475 Hospitality Blvd.

BRACE INFORMATION

FASTENER INFORMATION

Length of brace:

Type of brace:

l/r value:

Angle of brace:

Least radius of gyration:

Maximum horizontal load:

Orientation of connecting surface:

Diameter of brace:

Greenwood, SC 29649

1 in.

Schedule 40

45° to 59°

0.421

200

___1,310 lb.

Through-Bolt

w/ Fender Washer

440 lb.

9 SPRINKLERS SHALL BE INSTALLED AT THE TOP OF COMBUSTIBLE STAIR SHAFTS. UNDER THE LANDINGS AT EACH FLOOR LEVEL AND BENEATH THE LOWEST INTERMEDIATE LANDING PER NFPA 13; 9.3.4.1.

10. ALL PIPING VALVES AND APPURTENANCES SHALL BE INSTALLED SUCH AS NOT TO OBSTRUCT ANY PORTION

4-WAY SEISMIC BRACING CALCULATIONS (STEEL PIPE)

Contractor: The Hiller Companies, LLC.

Telephone: (704) 784-4218

Fax: ______

SEISMIC BRACE ATTACHMENTS

Listed load rating: 2015 Adj. load rating: 1425

Listed load rating: 1000 Adj. load rating: 707

SEISMIC BRACE ASSEMBLY DETAIL

1" (25.4MM)

0.00 lb.

0.00 lb.

0.00 lb.

0.00 lb.

 Lateral brace
 □
 Longitudinal brace
 □
 4-way brace

2.05 lb./ft.

2.93 lb./ft.

3.04 lb./ft.

4.22 lb./ft.

5.89 lb./ft.

7.94 lb./ft.

Total weight of water filled pipe W_p: 294.50 lb.

 $F_{pw} = C_p x W_p x 1.15 \text{ (safety):}$ 118.54 lb.

11.78 lb./ft. 294.50 lb.

23.03 lb./ft. 0.00 lb.

PHD Model: Fig. 030

PHD Model: Fig. 015

Structure attachment fittings:

FIG. 030

FAST CLÀMP

Brace identification no.

(to be used on plans)

SPRINKLER SYSTEM LOAD CALCULATION WHERE C_D = 0.35

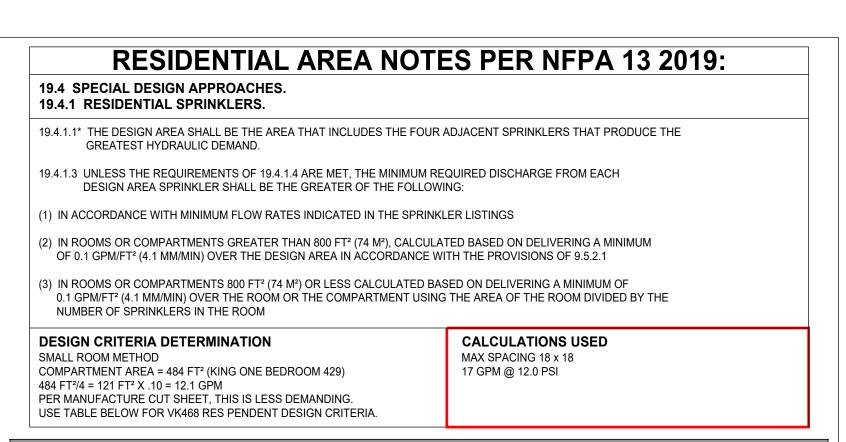
LISTED LOAD RATING PER NFPA 13 - 2019 USED

(LOCATED IN STAIR WELLS)

Sway brace (pipe attachment) fittings:

300 Manor Ave SW

Concord, NC 28025



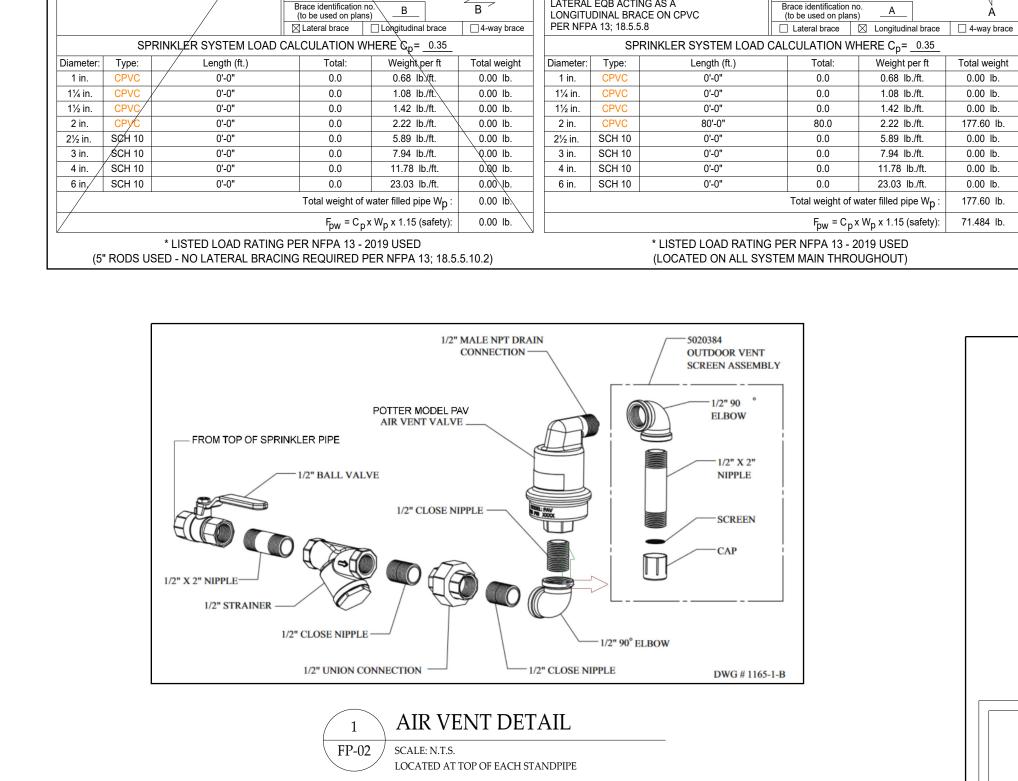
For systems de		_	PA 13R. For	K-Factor	igned to NF	ntial Pendo PA 13, refer to th	ent Sprinkl ne design criteria.		iling typ	es refer to
Sprinkler Base	SIN	NPT Thr	ead Size	Nominal	K-Factor Max		ım Water	0	ength	
Part Number ¹	SIN	Inches	Inches mm		U.S. metric²		Working Pressure			mm
13637	VK468	1/2	15	4.9	70.6	175 psi	(12 bar) 2 Listings and Appr		1/4	58
Max. Coverage	l	ry Temp 55 °F/68 °C)		iate Temp 5 °F/79 °C)	Deflector to Ceiling				/als³	Minimum
Area⁴ Ft.X Ft. (m X m)	Flow ⁴ GPM (L/min)	Pressure ⁴ PSI (bar)	Flow ⁴ GPM (L/min)	Pressure ⁴ PSI (bar)		Installation Type	C-UL-US-EU⁵	VdS	NSF ⁷	Spacing Ft. (m)
12 X 12 (3.7 X 3.7)	13 (49.2)	7.0 (0.48)	13 (49.2)	7.0 (0.48)		Standard surface-mounted escutcheons, or recessed with the Micromatic® Model E-1, E-2, or E-3 Recessed Escutcheon		See Foot- notes 6 and 8.	See Foot- note 6.	8 (2.4)
14 X 14 (4.3 X 4.3)	13 (49.2)	7.0 (0.48)	13 (49.2)	7.0 (0.48)						
16 X 16 (4.9 X 4.9)	13 (49.2)	7.0 (0.48)	13 (49.2)	7.0 (0.48)	1-1/8 to 2 inch		See Foot-notes 6 and 8.			
18 X 18 (5.5 X 5.5)	17 (64.4)	12.0 (0.83)	17 (64.4)	12.0 (0.83)						
20 X 20 (6.1 X 6.1)	20 (75.7)	16.7 (1.15)	20 (75.7)	16.7 (1.15)						

¹ Part number shown is the base part number. For complete part number, refer to Viking's current price schedule. ² Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by

- ³ This chart shows the listings and approvals available at the time of printing. Other approvals may be in process. Check with the manufacturer for any additional approvals. Refer also to Design Criteria
- ⁴ For areas of coverage smaller than shown, use the "Flow" and "Pressure" for the next larger area listed. Flows and pressures listed are per sprinkler. The distance from sprinklers to walls shall not exceed one-half the sprinkler spacing indicated for the minimum "Flow" and "Pressure" used. ⁵ Listed by Underwriter's Laboratories, Inc. for use in the U.S., Canada, and European Union.
- ⁶ Approved Finishes are: Brass, Chrome, White Polyester, and Black Polyester. Other paint colors are available on request with the same C-UL-US-EU listings as the standard finish colors. ⁷ UL Classified to: NSF/ANSI/CAN Standard 61, Drinking Water System Components NSF/ANSI 372 (MH48034).
- 8 Approved finish is Electroless Nickel PTFE (ENT). Sprinklers with ENT, White Polyester, and Black Polyester finishes are C-UL-US-EU Listed as corrosion-resistant. ENT is available with standard surface-mounted escutcheons or the Micromatic Model E-1 Recessed Escutcheon.

DESIGN CRITERIA DETERMINATION	CALCULATIONS USED	
SMALL ROOM METHOD	MAX SPACING 16 x 16	
COMPARTMENT AREA = 484 FT2 (KING ONE BEDROOM 429)	20 GPM @ 11.9 PSI	
484 FT ² /4 = 121 FT ² X .10 = 12.1 GPM		
PER MANUFACTURE CUT SHEET, THIS IS LESS DEMANDING.		
USE TABLE BELOW FOR VK460 HSW DESIGN CRITERIA.		

	Approval Chart Viking VK460, 5.8 K-Factor Residential Horizontal Sidewall Sprinkler For systems designed to NFPA 13D or NFPA 13R. For systems designed to NFPA 13, refer to the design criteria. For Ceiling types refer to current editions of NFPA 13, 13R or 13D.												
Sprinkler Base	r Base NPT Thread Size Nominal K-Factor Maximum Water Working			Overall Length									
Part Number ¹	SIN	Inches	mm	U.S.	metric ²	F	Pressure		Inches			mm	
13933	VK460	1/2	15	5.8	83.6	175	175 psi (12 bar)		2-1/2			63.5	
Max. Coverage Area ³	Max. Spacing	Rating (ry Temp 155 °F/68 C)		iate Temp /5 °F/79 °C)	1000	In atallation Tona			Minimum Spacing			
Width X Length Ft. X Ft. (m X m)	Ft. (m)	Flow ³ GPM (L/min)	Pressure ³ PSI (bar)	Flow ³ GPM (L/min)	Pressure ³ PSI (bar)	Deflector to Ceiling	Installation Type	C-UL- US-EU⁵	VdS	NYC	NSF 8	Ft. (m)	
12 X 12 (3.7 X 3.7)	12 (3.7)	16 (60.6)	7.6 (0.52)	16 (60.6)	7.6 (0.52)		Standard surface-mounted						
14 X 14 (4.3 X 4.3)	14 (4.3)	16 (60.6)	7.6 (0.52)	16 (60.6)	7.6 (0.52)								
16 X 16 (4.9 X 4.9)	16 (4.9)	20 (75.7)	11.9 (0.82)	21 (79.5)	13.1 (0.90)		escutcheons or						
16 X 18 (4.9 X 5.5)	16 (4.9)	22 (83.3)	14.4 (0.99)	22 (83.3)	14.4 (0.99)		recessed with the						
16 X 20 (4.9 X 6.1)	16 (4.9)	26 (98.4)	20.1 (1.39)	26 (98.4)	20.1 (1.39)		Micromatic® Model E-1.	See Foot-note	See Foot-	See Foot-	See Foot-		
16 X 22 (4.9 X 6.7)	16 (4.9)	31 (117.3)	28.6 (1.97)			4 to 6	E-1, E-2. or E-3	7 and 10	note 7	note 6	note 7	8	
18 X 18 (5.5 X 5.5)	18 (5.5)	23 (87.1)	15.7 (1.1)	23 (87.1)	15.7 (1.1)	inches	Recessed					(2.4)	
18 X 20 (5.5 X 6.1)	18 (5.5)	29 (109.8)	25.0 (1.7)	29 (109.8)	25.0 (1.7)		Escutcheon, or						
20 X 20 (6.1 X 6.1)	20 (6.1)	30 (113.6)	26.8 (1.8)	30 (113.6)	26.8 (1.8)		G-1 Adjustable Escutcheon						
16 X 24 (4.9 X 7.3)	16 (4.9)	38 (143.8)	42.9 (2.96)]	
14 X 26 (4.3 X 7.9)	14 (4.3)	42 (159)	52.4 (3.62)				Standard surface-mounted escutcheons only	See Foot-note 7 and 10	See Foot- note 7	See Foot- note 6	See Foot- note 7		



SEISMIC CALCULATIONS - CPVC PIPING

Length of brace:

Type of brace:

Angle of brace:

l/r value:

Least radius of gyration:

Maximum horizontal load:

Orientation of connecting surface:

Diameter of brace:

The Hiller Companies, LLC.

300 Manor Ave SW

Concord, NC 28025/

Гelephone: _____(704) 784-4218/

SEISMIC BRACE ATTACHMENTS

Listed load rating: 1000 Adj. load rating: 707

Listed load rating: /1000 Adj. load rating: 707

SÉISMIC BRACE ASSEMBLY DETAIL

— FIG. AF077

Make: AFCON Model: AF035

____AFCON____Model:__

Structure attachment fittings:

Sway brace (pipe attachment) fittings:

LONGITUDINAL SEISMIC BRACING CALCULATIONS (STEEL PIPE)

Contractor: The Hiller Companies, LLC.

Telephone: (704) 784-4218

AFCON

Sway brace (pipe attachment) fittings:

Install lateral assembly at closest

possible location on side outlet nipple of equal pipe size.

SEISMIC BRACE ATTACHMENTS

Listed load rating: 1000 Adj. load rating: 707

Listed load rating: 1000 Adj. load rating: 707

SEISMIC BRACE ASSEMBLY DETAIL

AFCON Model: AF035

300 Manor Ave SW

Concord, NC 28025

Home2 Suites By Hilton

155 Threlkeld Blvd.

Greenwood, SC 29649

45° to 59°

0.421

200

1,310 lb.

Through-Bolt

w/ Fender Washer

5-1/2"

620 lb.

BRACE INFORMATION

FASTENER INFORMATION

LATERAL SEISMIC BRACING CALCULATIONS (CPVC PIPE)

Home2 Suites By Hilton

475 Hospitality Blvd.

BRACE INFORMATION

FASTENER INFORMATION

Length of brace:

Diameter of brace:

Type of brace:

l/r value:

Maximum load:

Angle of brace:

Least radius of gyration:

Maximum horizontal load:

Orientation of connecting surface:

Greenwood, SC 29649

1 in.

Schedule 40

0.421

1,310 lb.

Through-Bolt

w/ Fender Washer

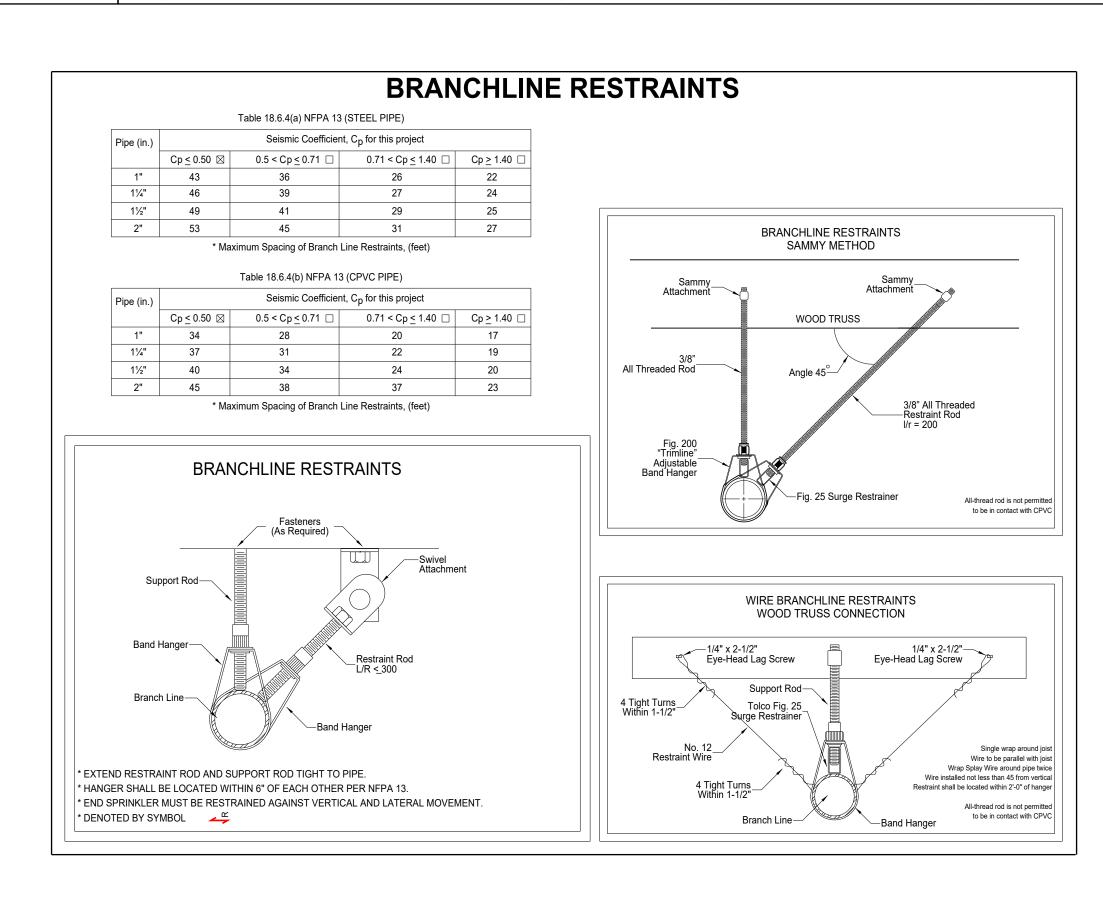
5-1/2"

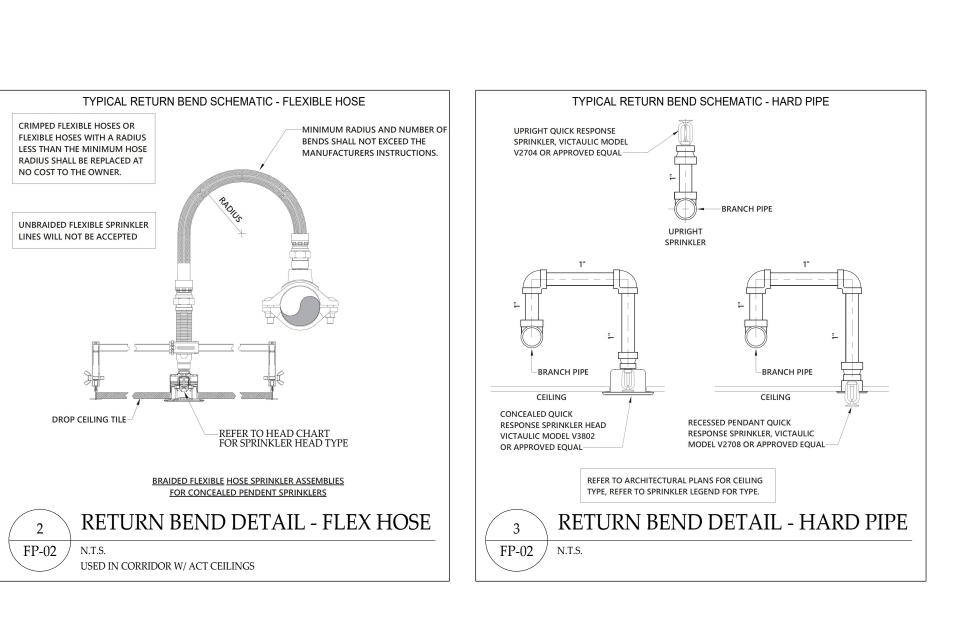
_____620 lb. /

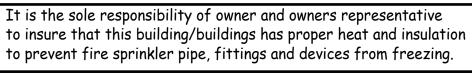
45° to 59°

PIPE SIZE	Ambient Temperature During Cure Period						
inches	60°F to 120°F	40°F to 59°F	0°F to 39°F				
3/4"	45 min.	1.5 hr.	24 hr.				
1"	45 min.	1.5 hr.	24 hr.				
11/4"	1.5 hr.	16 hr.	120 hr.				
11/2"	1.5 hr.	16 hr.	120 hr.				
2"	6 hr.	36 hr.	See Note 1				
21/2"	8 hr.	72 hr.	See Note 1				
3"	8 hr.	72 hr.	See Note 1				

Note 1: For these sizes, the solvent cement can be applied at temperatures below 32°F, however, the sprinkler system temperature must be raised to a temperature of 32°F or above and allowed to cure per the above recommendations prior to pressure testing.







GENERAL NOTES:

WITH APPROVED GUARDS.

PLAN

1.) SYSTEMS ARE DESIGNED AND INSTALLED PER NFPA 13 (2019 EDITION) 2.) RESIDENTIAL SYSTEM PIPING 2" AND SMALLER TO BE CPVC WITH CPVC

FITTINGS. CONVERT TO BLACK STEEL PIPE AND FITTINGS WHERE EXPOSED.	Ш	RESIDUAL PRESSURE	51	SIZE GPM @
3.) STEEL SYSTEM PIPING 2" AND SMALLER TO BE SCH. 40 BLACK STEEL PIPE AND FITTINGS ARE THREADED / GROOVED / FLANGED / WELDED.	Ш	FLOW G.P.M.	1160	TYPE OF DRI
4.) STEEL SYSTEM PIPING $2\frac{1}{2}$ " OR LARGER TO BE SCH. 10 BLACK STEEL PIPE AND	Ш	DATE OF TEST	09/30/2025	ELECTRICAL
FITTINGS ARE GROOVED / FLANGED / WELDED. 5.) ALL HANGERS ARE TO MEET THE CRITERIA SET FORTH BY NFPA 13 (2019	Ш	HYDRANT LOCATION	@ TEST NO	DE (SEE SITE
EDITION) AND SPACED ACCORDING TO MANUFACTURES SPECIFICATIONS.	Ш	TEST TAKEN BY	GREE	NWOOD CPW
6.) WIRING OF ELECTRICAL EQUIPMENT IS TO BE BY OTHERS. 7.) PAINTING OF PIPE OR COMPONENTS SHALL BE BY OTHERS. 8.) 1 = REPRESENTS A HYDRAULIC REFERENCE POINT. 9.) THE HILLER COMPANIES TO START 1'-0" ABOVE FINISHED FLOOR. 10.) ALL UNDERGROUND PIPING BY OTHERS. 11.) SPRINKLERS LOCATED 7'-6" OR LESS FROM FLOOR TO BE PROTECTED		NOTES: TESTED BY - MIKE PROC WITNESSED BY - RUSSE CONTACT EMAIL - RHOL HYDRANT LOCATION - S	ELL HOLLEY LLEY@GREEN	WOODCPW.CO

STATIC PRESSURE

WATER	SUPPLY	SEA					
PRESSURE	53	FIRE PUMP	УES				
JAL PRESSURE	51	SIZE GPM @ PSI	300 @ 60	, s			
6.P.M.	1160	TYPE OF DRIVER	VIP	Ziri.			
F TEST	09/30/2025	ELECTRICAL REQ.S	208V	THILL			
NT LOCATION	@ TEST NO	DE (SEE SITE PLAN)	NODE #1				
AKEN BY	GREE	NWOOD CPW ((864) 942-8199				
BBY - MIKE PROCTOR SSED BY - RUSSELL HOLLEY CT EMAIL - RHOLLEY@GREENWOODCPW.COM							

L:	NICET REVIEW STAMP
COMPAN STATES	JUAN OCHOA NICET #139445 LEVEL IV WATER BASED SYSTEMS LAYO
ACTOR'S Landing	SIGNED: TUM ALLA VALID THROUGH 01/01/2027

.P] [(Sprinkler Lege	nd -	Total Proje	ect			
	Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note	Max Spacing
		Viking	VK300	Microfast	9	5.6	Upright	1/2	Quick	Brass	200°F	Exposed	130ft² OH / 225ft² LH
		Viking	VK4621	Concealed	55	5.6	Concealed Pendent	1/2	Quick	Brass	155°F	White Coverplate	130ft ² OH / 225ft ² LH
YOUT	Ø	Viking	VK302	Microfast	33	5.6	Pendent	1/2	Quick	Chrome	200°F	Chrome Res Esc	130ft ² OH / 225ft ² LH
		Viking	VK4621	Concealed	1	5.6	Concealed Pendent	1/2	Quick	Brass	200°F	White Coverplate	130ft² OH / 225ft² LH
		Viking	VK494	Freedom	59	4.9	Concealed Pendent	1/2	Fast	Brass	155°F	White Coverplate	18 x 18 / 324ft ²
		Generic	MFG	Chute Head	4	5.6	Horizontal Sidewall	1/2	Quick	Brass	155°F	Connect Chute Head	100ft ² OH / 196ft ² LH
		Viking	VK305	Microfast	3	5.6	Horizontal Sidewall	1/2	Quick	Chrome	200°F	Chrome Res Esc	100ft ² OH / 196ft ² LH
, []		Viking	VK460	Freedom	104	5.8	Horizontal Sidewall	1/2	Fast	Chrome	155°F	Chrome Res Esc	16 x 16 ft / 256ft²
D	•	Viking	VK482	Dry	7	5.6	Pendent	1	Quick	White Polyester	205°F	White Flat Esc	130ft ² OH / 225ft ² LH
		Viking	VK468	Freedom	208	4.9	Pendent	1/2	Fast	Chrome	155°F	Chrome Res Esc	18 x 18 / 324ft²
27 II													

NO.	DATE	REVISION DISCRIPTION	ВУ
1	12/18/25	ENGINEER'S COMMENTS	TWH
\triangle			
\triangle			
\triangle			
$\overline{}$			

SEISMIC CALCULATIONS - STEEL PIPING

4-WAY SEISMIC BRACING CALCULATIONS (STEEL PIPE)

Telephone:

Structure attachment fittings

FIG. 015 (X2)

(to be used on plans)

SPRINKLER SYSTEM LOAD CALCULATION WHERE $C_p = 0.33$

* LISTED LOAD RATING PER NFPA 13 - 2019 USED

(LOCATED IN PUMP ROOM)

FAST CLÀMP

Sway brace (pipe attachment) fittings:

The Hiller Companies, LLC.

300 Manor Ave SW

Concord, NC 28025

(704) 784-4218

PHD Model: Fig. 030

PHD Model: Fig. 015

Fax: ______

SEISMIC BRACE ATTACHMENTS

Listed load rating: 2015 Adj. load rating: 1425

Listed load rating: 1000 Adj. load rating: 707

SEISMIC BRACE ASSEMBLY DETAIL

Lateral brace ☐ Longitudinal brace ☐ 4-way brace

2.05 lb./ft.

2.93 lb./ft.

3.04 lb./f

4.22 lb./ft

5.89 lb./ft

7.94 lb./ft.

11.78 lb./ft.

23.03 lb./ft.

Total weight of water filled pipe W_D: 230.30 lb.

 $F_{DW} = C_D x W_D x 1.15 \text{ (safety):} 92.696 \text{ lb.}$

0.00 lb.

0.00 lb.

0.00 lb.

0.00 lb.

230.30 lb.

Home2 Suites By Hilton

475 Hospitality Blvd.

Greenwood, SC 29649

Schedule 40

45° to 59°

0.421

1,310 lb.

Through-Bolt

w/ Fender Washer

5-1/2"

440 lb.

200

BRACE INFORMATION

FASTENER INFORMATION

Length of brace:

Angle of brace:

l/r value:

Diameter of brace:

Least radius of gyration:

Maximum horizontal load:

1¼ in. SCH 40

3 in. SCH 10

4 in. SCH 10

SCH 10

Orientation of connecting surface:

LONGITUDINAL SEISMIC BRACING CALCULATIONS (STEEL PIPE)

Address:

Structure attachment fittings

RISER CLAMP

Brace identification no.

(to be used on plans)

SPRINKLER SYSTEM LOAD CALCULATION WHERE C_D= 0.35

* LISTED LOAD RATING PER NFPA 13 - 2019 USED

(LOCATED ON STANDPIPE 1ST FLOOR CORRIDOR)

Sway brace (pipe attachment) fittings:

Contractor: The Hiller Companies, LLC.

Telephone: (704) 784-4218

SEISMIC BRACE ATTACHMENTS

Listed load rating: 2015 Adj. load rating: 1425

Listed load rating: 2015 Adj. load rating: 1425

SEISMIC BRACE ASSEMBLY DETAIL

☐ Lateral brace ☐ ☐ Longitudinal brace ☐ ☐ 4-way brace

2.05 lb./ft.

2.93 lb./ft.

3.04 lb./ft.

4.22 lb./ft.

7.94 lb./ft.

11.78 lb./ft.

23.03 lb./ft.

 $F_{pw} = C_p x W_p x 1.15 \text{ (safety):}$ 379.32 lb.

Total weight of water filled pipe W_D: 942.40 lb.

FIG. 030

PHD ____ Model: Fig. 030

PHD Model: Fig. 031

/TRUSS

0.00 lb.

0.00 lb.

0.00 lb.

0.00 lb.

0.00 lb.

0.00 lb.

942.40 lb.

0.00 lb.

300 Manor Ave SW

Concord, NC 28025

Home2 Suites By Hilton

475 Hospitality Blvd.

BRACE INFORMATION

FASTENER INFORMATION

Greenwood, SC 29649

1 in.

Schedule 40

45° to 59°

0.421

1,310 lb.

Through-Bolt

w/ Fender Washer

5-1/2"

620 lb.

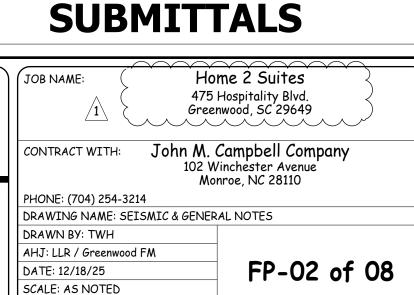


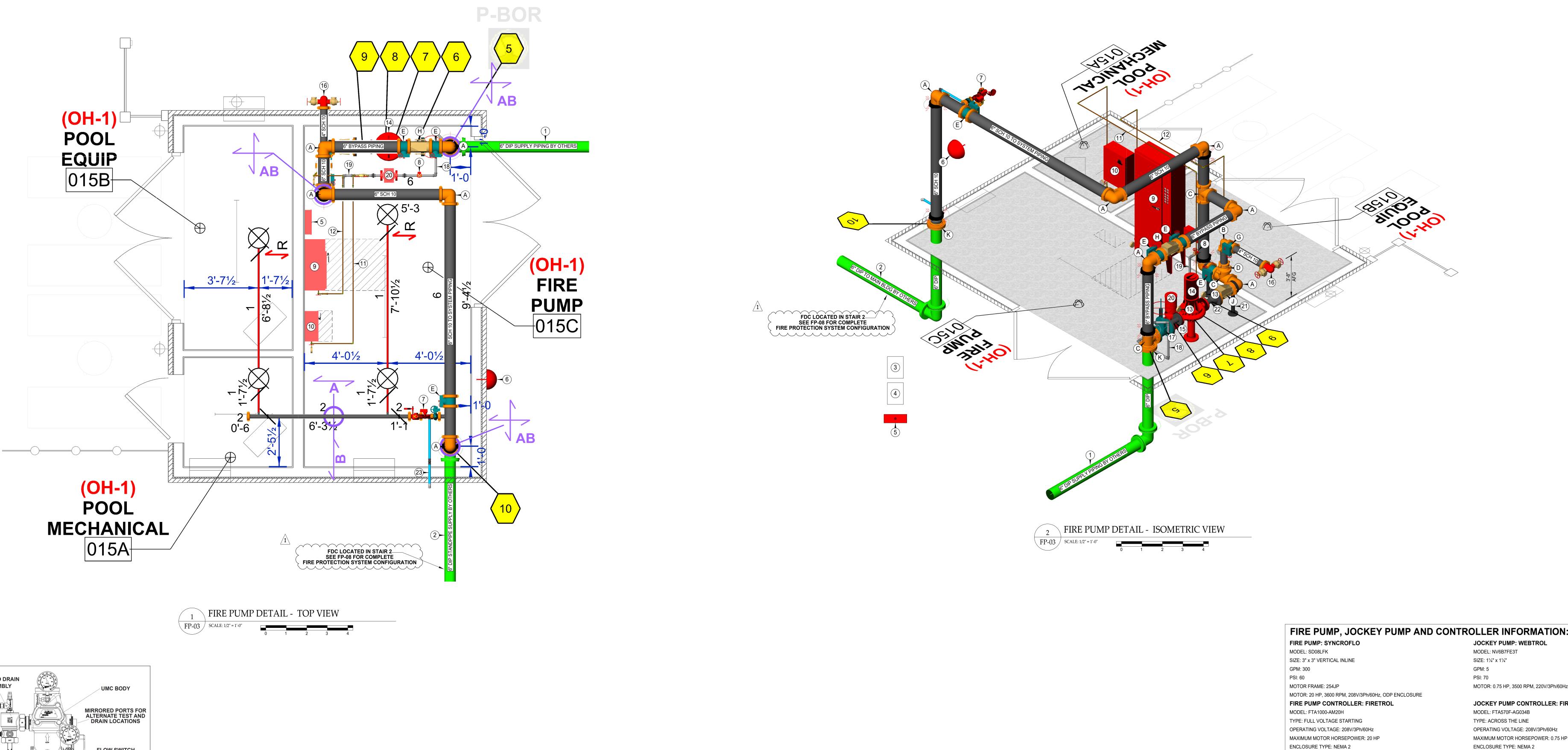
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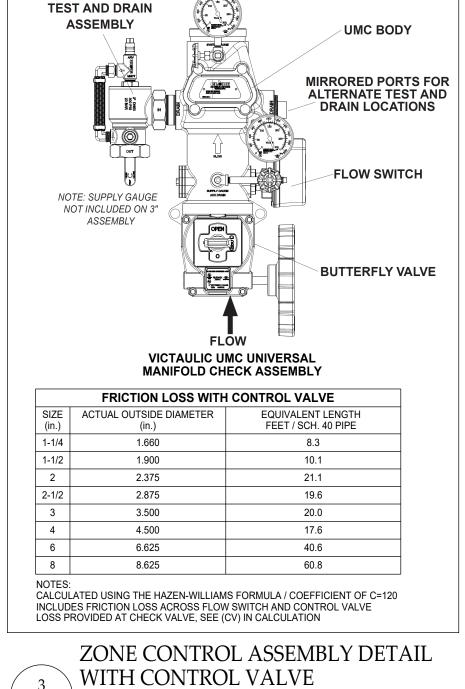
PORTSMOUTH VA. 23705

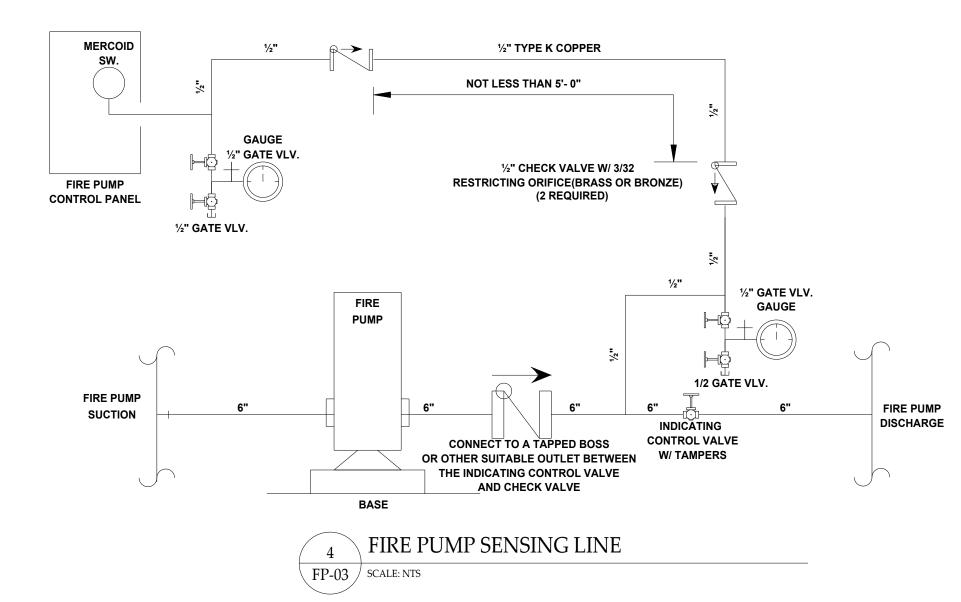
PH: 757-391-0050

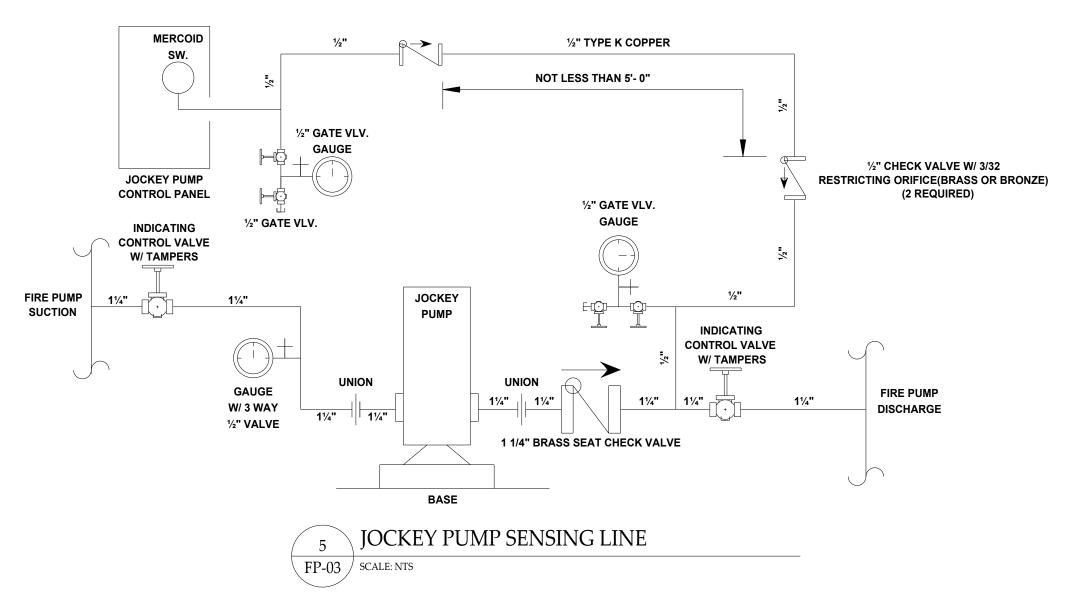
FAX: 757-391-0098











JOCKEY PUMP: WEBTROL MODEL: NV6B7FE3T

SIZE: 11/4" x 11/4"

MODEL: FTA570F-AG034B

TYPE: ACROSS THE LINE

ENCLOSURE TYPE: NEMA 2

MOTOR: 0.75 HP, 3500 RPM, 220V/3Ph/60Hz

OPERATING VOLTAGE: 208V/3Ph/60Hz

MAXIMUM MOTOR HORSEPOWER: 0.75 HP

JOCKEY PUMP CONTROLLER: FIRETROL

PRESSURE SWITCH / TRANSDUCER RANGE: 0-300 PSI

LOAD TERMINALS TO MOTOR: 208-220V, 20HP MAX

GPM: 5

PSI: 70

(A) 6" GROOVED 90

B) 4" GROOVED 90

6" GROOVED TEE

D) 6" x 4" GROOVED REDUCER

H) 6" GROOVED CHECK VALVE

4" GROOVED CHECK VALVE

6" CHECK VALVE AT PUMP

(K) 6" FLANGE (1'-0" AFF) BY OTHERS

6" GROOVED BUTTERFLY VALVE W/ TAMPER

4" GROOVED BUTTERFLY VALVE W/ TAMPER

G) 4" NORMALLY CLOSED BUTTERFLY VALVE W/ TAMPER

PRESSURE SWITCH / TRANSDUCER RANGE: 0-300 PSI

LOAD TERMINALS TO MOTOR: 208-220V, 20HP MAX AUTOMATIC TRANSFER SWITCH: N/A

PUMP ROOM INFORMATION:

(1) 6" DUCTILE IRON SUPPLY TO FLANGE 1'-0" AFF. (BY OTHERS, HILLER STARTS 1'-0" AFF)

2) 6" DUCTILE IRON FROM FLANGE 1'-0" AFF TO STANDPIPE IN MAIN BLDG 3) HYDRAULIC DESIGN INFORMATION SIGN LOCATED AT EACH RISER PER NFPA 13; 25.5.1

(4) A GENERAL INFORMATION SIGN SHALL BE INSTALLED PER NFPA 13; 25.6.1 (5) 12 COUNT HEAD BOX

(6) 6" 120V ELECTRIC BELL MOUNTED OUTSIDE PUMP ROOM 7) 2" VICTAULIC UMC CHECK ASSEMBLY FOR ZONE P SYSTEM (SEE DETAIL 3/FP-03)

(8) 11/4" BUTTERBALL VALVE W/ TAMPER SWITCH

(9) FIRE PUMP CONTROLLER (SEE NOTES THIS SHEET) 10) JOCKEY PUMP CONTROLLER (SEE NOTES THIS SHEET)

PRESSURE SENSING LINE TO JOCKEY PUMP CONTROLLER (SEE DETAIL THIS SHEET) PRESSURE SENSING LINE TO FIRE PUMP CONTROLLER (SEE DETAIL THIS SHEET)

(3) PUMP SUCTION AND DISCHARGE PRESSURE GAUGE W/ 3-WAY VALVE (TYPICAL)

(14) VERTICAL INLINE FIRE PUMP RATED AT 300 GPM @ 60 PSI (SEE NOTES THIS SHEET) 15) 6" x 3" ECCENTRIC PUMP REDUCER

(16) CLA-VAL TH SERIES (4" (2) x 21/2") GROOVED FIRE PUMP TEST HEADER

(23) PUMP ROOM SYSTEM DRAIN TO DISCHARGE AT 12" AGF.

W/ 21/2" HOSE ANGLE VALVES, CAPS AND CHAINS (OR EQUAL)

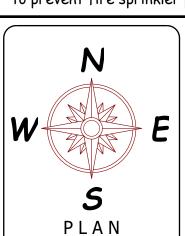
(17) 6" OS&Y W/ TAMPER (18) 11/4" LINE TO JOCKEY PUMP

(19) 11/4" LINE FROM JOCKEY PUMP (20) JOCKEY PUMP (SEE NOTES THIS SHEET)

(21) PIPE STAND/HANGER SUPPORT (TYPICAL) (22) 3" x 6" FLANGED PUMP INCREASER

It is the sole responsibility of owner and owners representative to insure that this building/buildings has proper heat and insulation to prevent fire sprinkler pipe, fittings and devices from freezing.

2" ASSEMBLY USED FOR ZONE P (PUMP ROOM)



NORTH

 \backslash FP-03 / SCALE: N.T.S.

1.) SYSTEMS ARE DESIGNED AND INSTALLED PER NFPA 13 (2019 EDITION) 2.) RESIDENTIAL SYSTEM PIPING 2" AND SMALLER TO BE CPVC WITH CPVC 3.) STEEL SYSTEM PIPING 2" AND SMALLER TO BE SCH. 40 BLACK STEEL PIPE AND FITTINGS ARE THREADED / GROOVED / FLANGED / WELDED. 4.) STEEL SYSTEM PIPING 2½" OR LARGER TO BE SCH. 10 BLACK STEEL PIPE AND FITTINGS ARE GROOVED / FLANGED / WELDED. 5.) ALL HANGERS ARE TO MEET THE CRITERIA SET FORTH BY NFPA 13 (2019 EDITION) AND SPACED ACCORDING TO MANUFACTURES SPECIFICATIONS. 6.) WIRING OF ELECTRICAL EQUIPMENT IS TO BE BY OTHERS.

FITTINGS. CONVERT TO BLACK STEEL PIPE AND FITTINGS WHERE EXPOSED. RESIDUAL PRESSURE 7.) PAINTING OF PIPE OR COMPONENTS SHALL BE BY OTHERS. TESTED BY - MIKE PROCTOR 8.) 1 = REPRESENTS A HYDRAULIC REFERENCE POINT. WITNESSED BY - RUSSELL HOLLEY 9.) THE HILLER COMPANIES TO START 1'-0" ABOVE FINISHED FLOOR. 10.) ALL UNDERGROUND PIPING BY OTHERS. 11.) SPRINKLERS LOCATED 7'-6" OR LESS FROM FLOOR TO BE PROTECTED

FLOW G.P.M.

TEST TAKEN BY

HYDRANT LOCATION - SEE FP-01

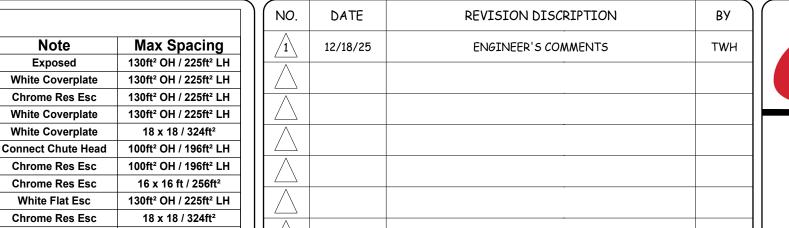
(SEAL: WATER SUPPLY INFORMATION FIRE PUMP SIZE GPM @ PSI 300 @ 60 1160 TYPE OF DRIVER 09/30/2025 ELECTRICAL REQ.5 208V HYDRANT LOCATION @ TEST NODE (SEE SITE PLAN) NODE #1 ((864) 942-8199 GREENWOOD CPW CONTACT EMAIL - RHOLLEY@GREENWOODCPW.COM

NICET REVIEW STAMP WATER BA VALID THROUGH 01/01/2027

JUAN OCHOA		Symbol	Manufa
NICET #139445		\boxtimes	Vik
LEVEL IV			Vik
BASED SYSTEMS LAYOUT		Ø	Vik
		(Vik
			Vik
			Gen
			Vik
			Vik
//////////////////////////////////////		•	Vik
VIVI XWV V	1		Vik

Sym	bol Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note	Max Spacing
\setminus	Viking	VK300	Microfast	9	5.6	Upright	1/2	Quick	Brass	200°F	Exposed	130ft ² OH / 225ft ² LH
	Viking	VK4621	Concealed	55	5.6	Concealed Pendent	1/2	Quick	Brass	155°F	White Coverplate	130ft ² OH / 225ft ² LH
•	Viking	VK302	Microfast	33	5.6	Pendent	1/2	Quick	Chrome	200°F	Chrome Res Esc	130ft ² OH / 225ft ² LH
	Viking	VK4621	Concealed	1	5.6	Concealed Pendent	1/2	Quick	Brass	200°F	White Coverplate	130ft ² OH / 225ft ² LH
	Viking	VK494	Freedom	59	4.9	Concealed Pendent	1/2	Fast	Brass	155°F	White Coverplate	18 x 18 / 324ft ²
	Generic	MFG	Chute Head	4	5.6	Horizontal Sidewall	1/2	Quick	Brass	155°F	Connect Chute Head	100ft ² OH / 196ft ² LH
\Box	Viking	VK305	Microfast	3	5.6	Horizontal Sidewall	1/2	Quick	Chrome	200°F	Chrome Res Esc	100ft ² OH / 196ft ² LH
	Viking	VK460	Freedom	104	5.8	Horizontal Sidewall	1/2	Fast	Chrome	155°F	Chrome Res Esc	16 x 16 ft / 256ft ²
•	Viking	VK482	Dry	7	5.6	Pendent	1	Quick	White Polyester	205°F	White Flat Esc	130ft ² OH / 225ft ² LH

Sprinkler Legend - Total Project





FAX: 704-784-4405

PH: 757-391-0050

FAX: 757-391-0098

DATE: 12/18/25

SCALE: AS NOTED

CONTRACT NO.: CF0588

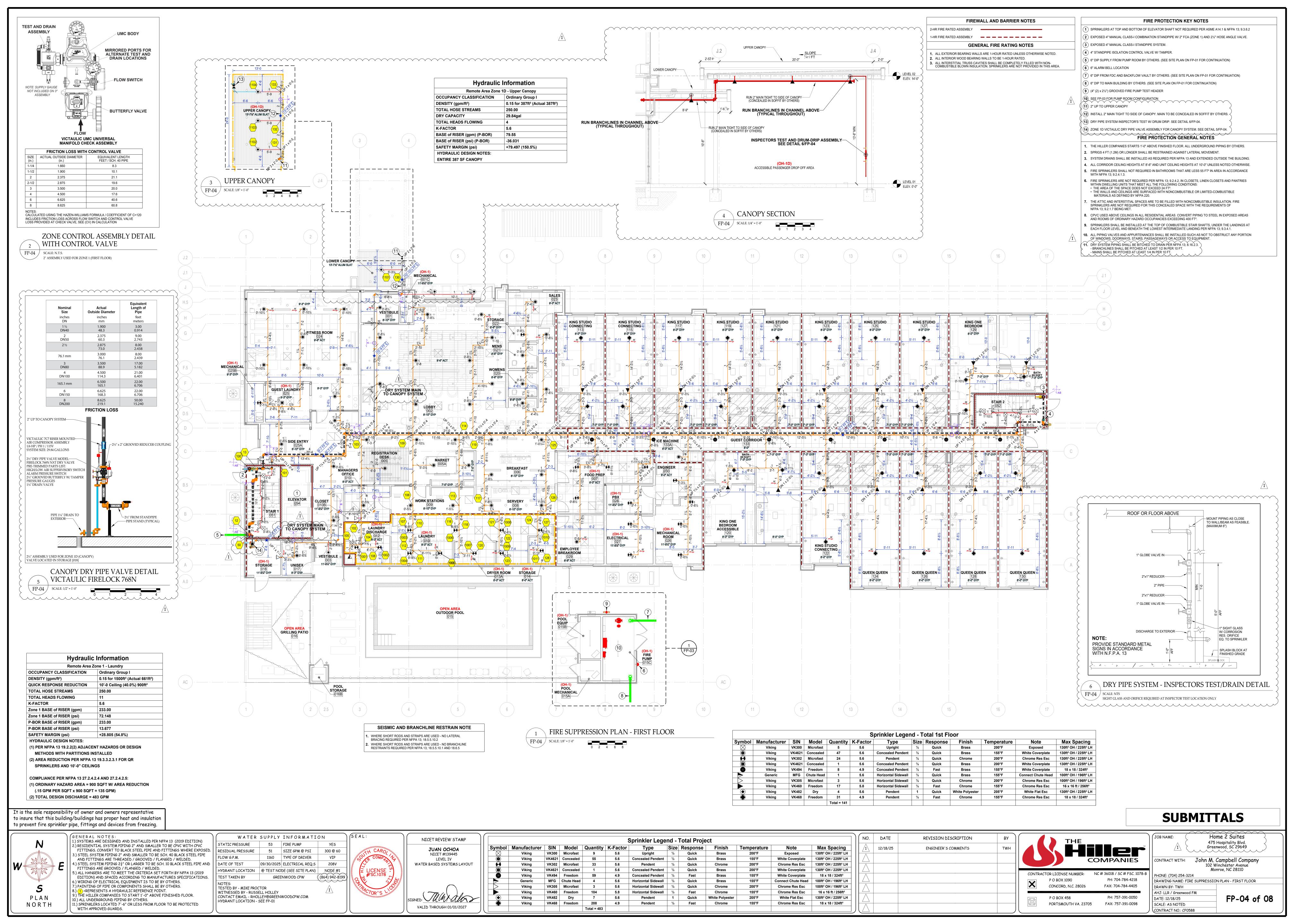
CONCORD, N.C. 28026

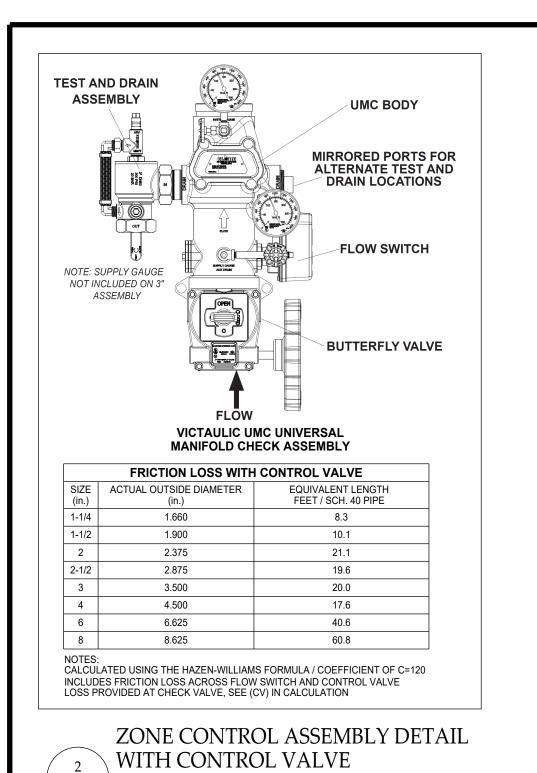
PORTSMOUTH VA. 23705

P O BOX 458

	SUBMITTALS									
×	JOB NAME: Home 2 Suites 475 Hospitality Blvd. Greenwood, SC 29649									
	CONTRACT WITH: John M. Campbell Company 102 Winchester Avenue Monroe, NC 28110									
В	PHONE: (704) 254-3214									
	DRAWING NAME: FIRE PUMP DETAILS									
	DRAWN BY: TWH									
	AHJ: LLR / Greenwood FM									

FP-03 of 08





 \backslash FP-05 / SCALE: N.T.S.

2" ASSEMBLY USED FOR ZONE 2 (SECOND FLOOR)

FIREWALL AND BARRIER NOTES

2-HR FIRE RATED ASSEMBLY

1-HR FIRE RATED ASSEMBLY — — — — — — — — —

GENERAL FIRE RATING NOTES 1. ALL EXTERIOR BEARING WALLS ARE 1-HOUR RATED UNLESS OTHERWISE NOTED.

2. ALL INTERIOR WOOD BEARING WALLS TO BE 1-HOUR RATED. 3. ALL INTERSTITIAL TRUSS CAVITIES SHALL BE COMPLETELY FILLED WITH NON-COMBUSTIBLE BLOWN INSULATION. SPRINKLERS ARE NOT PROVIDED IN THIS AREA.

Hydraulic Information							
Remote Area Zone 2 - King One Bedroom 229							
OCCUPANCY CLASSIFICATION	Residential						
DENSITY (gpm/ft²)	0.10 for 484ft² (Actual 484ft²)						
TOTAL HOSE STREAMS	100.00						
TOTAL HEADS FLOWING	4						
K-FACTOR	5.8, 4.9						
P-BOR BASE of RISER (gpm)	86.42						
P-BOR BASE of RISER (psi)	16.991						
Zone 2 BASE of RISER (gpm)	86.42						
Zone 2 BASE of RISER (psi)	76.556						
SAFETY MARGIN (psi)	+26.278 (49.6%)						
LIVERALILIO DEGIONI MOTEO.							

HYDRAULIC DESIGN NOTES: USE OF VK468 RESIDENTIAL PENDENT HEADS FIRE PROTECTION KEY NOTES

(1) SPRINKLERS AT TOP AND BOTTOM OF ELEVATOR SHAFT NOT REQUIRED PER ASME A14.1 & NFPA 13; 9.3.6.2

(2) EXPOSED 4" MANUAL CLASS-I COMBINATION STANDPIPE W/ 2" FCA (ZONE 1) AND 2½" HOSE ANGLE VALVE. (3) EXPOSED 4" MANUAL CLASS-I STANDPIPE SYSTEM.

FIRE PROTECTION GENERAL NOTES

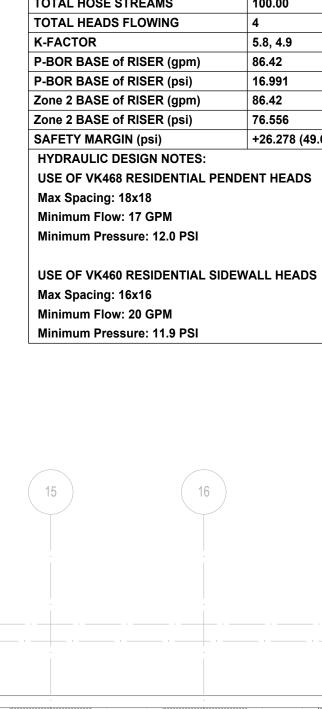
1. THE HILLER COMPANIES STARTS 1'-0" ABOVE FINISHED FLOOR. ALL UNDERGROUND PIPING BY OTHERS.

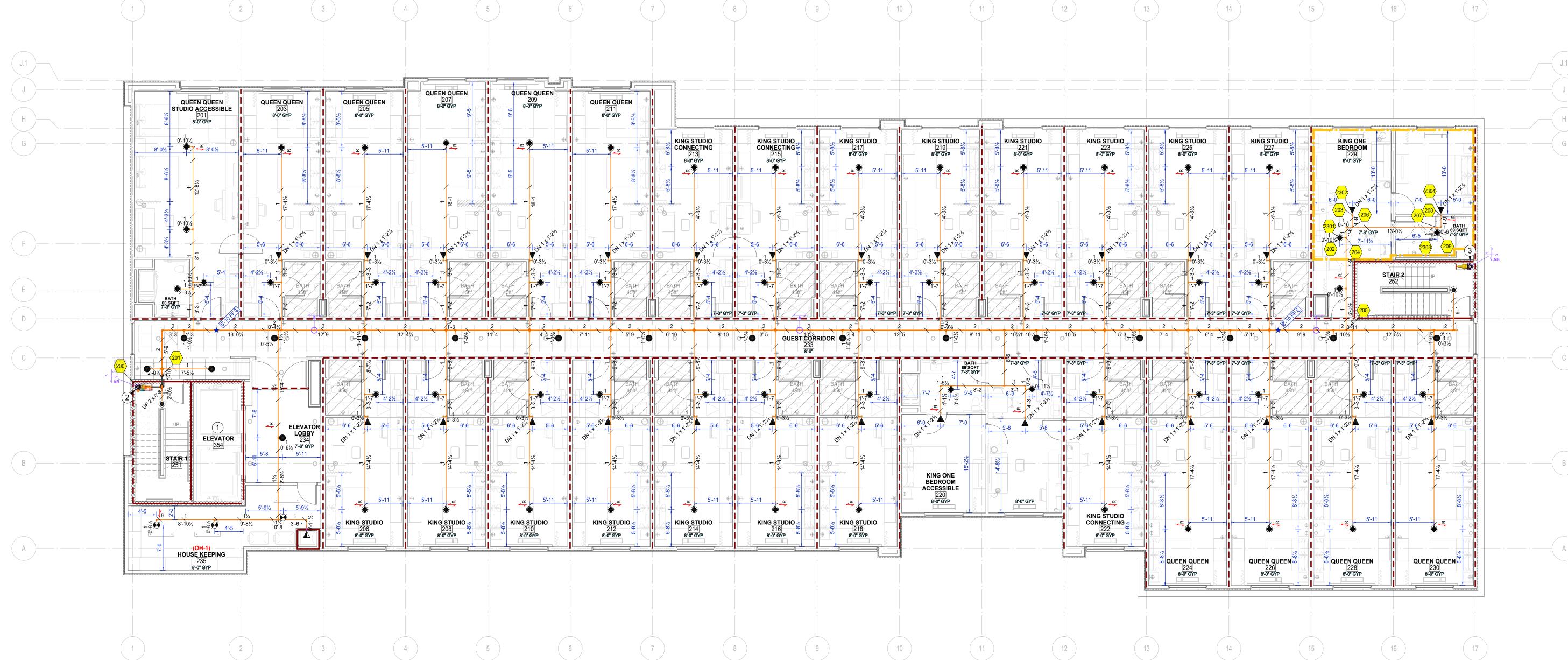
- 2. SPRIGS 4 FT (1.2M) OR LONGER SHALL BE RESTRAINED AGAINST LATERAL MOVEMENT. 3. SYSTEM DRAINS SHALL BE INSTALLED AS REQUIRED PER NFPA 13 AND EXTENDED OUTSIDE THE BUILDING.
- 4. ALL CORRIDOR CEILING HEIGHTS AT 8'-6" AND UNIT CEILING HEIGHTS AT 10'-0" UNLESS NOTED OTHERWISE. 5. FIRE SPRINKLERS SHALL NOT REQUIRED IN BATHROOMS THAT ARE LESS 55 FT² IN AREA IN ACCORDANCE
- 6. FIRE SPRINKLERS ARE NOT REQUIRED PER NFPA 13; 9.2.4.2, IN CLOSETS, LINEN CLOSETS AND PANTRIES WITHIN DWELLING UNITS THAT MEET ALL THE FOLLOWING CONDITIONS:

 • THE AREA OF THE SPACE DOES NOT EXCEED 24 FT². • THE WALLS AND CEILINGS ARE SURFACED WITH NONCOMBUSTIBLE OR LIMITED-COMBUSTIBLE

MATERIALS AS DEFINED BY NFPA 220.

- . THE ATTIC AND INTERSTITIAL SPACES ARE TO BE FILLED WITH NONCOMBUSTIBLE INSULATION. FIRE SPRINKLERS ARE NOT REQUIRED FOR THIS CONCEALED SPACE WITH THE REQUIREMENTS OF
- NFPA 13; 9.2.1.7 BEING MET.
- 8. CPVC USED ABOVE CEILINGS IN ALL RESIDENTIAL AREAS. CONVERT PIPING TO STEEL IN EXPOSED AREAS AND ROOMS OF ORDINARY HAZARD OCCUPANCIES EXCEEDING 400 FT2. 9. SPRINKLERS SHALL BE INSTALLED AT THE TOP OF COMBUSTIBLE STAIR SHAFTS, UNDER THE LANDINGS AT EACH FLOOR LEVEL AND BENEATH THE LOWEST INTERMEDIATE LANDING PER NFPA 13; 9.3.4.1.
- 10. ALL PIPING VALVES AND APPURTENANCES SHALL BE INSTALLED SUCH AS NOT TO OBSTRUCT ANY PORTION OF WINDOWS, DOORWAYS, STAIRS, PASSAGEWAYS OR ACCESS TO EQUIPMENT.





SEISMIC AND BRANCHLINE RESTRAIN NOTE . WHERE SHORT RODS AND STRAPS ARE USED - NO LATERAL BRACING REQUIRED PER NFPA 13; 18.5.5.10.2 2. WHERE SHORT RODS AND STRAPS ARE USED - NO BRANCHLINE RESTRAINTS REQUIRED PER NFPA 13; 18.5.5.10.1 AND 18.6.5

1 FIRE SUPPRESSION PLAN - SECOND FLOOR FP-05 SCALE: 1/8" = 1'-0"

Total = 483

	Sprinkler Legend - Total 2nd Floor											
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note	Max Spacing
	Viking	VK468	Freedom	59	4.9	Pendent	1/2	Fast	Chrome	155°F	Chrome Res Esc	18 x 18 / 324ft²
	Viking	VK460	Freedom	29	5.8	Horizontal Sidewall	1/2	Fast	Chrome	155°F	Chrome Res Esc	16 x 16 ft / 256ft²
	Viking	VK302	Microfast	3	5.6	Pendent	1/2	Quick	Chrome	200°F	Chrome Res Esc	130ft² OH / 225ft² L
	Viking	VK494	Freedom	17	4.9	Concealed Pendent	1/2	Fast	Brass	155°F	White Coverplate	18 x 18 / 324ft²
	Generic	MFG	Chute Head	1	5.6	Horizontal Sidewall	1/2	Quick	Brass	155°F	Connect Chute Head	100ft² OH / 196ft² L
O	Viking	VK4621	Concealed	2	5.6	Concealed Pendent	1/2	Quick	Brass	155°F	White Coverplate	130ft² OH / 225ft² L
				Total = 111								

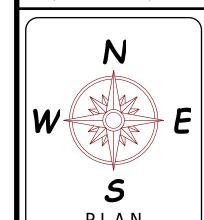
NO. DATE

12/18/25

REVISION DISCRIPTION

ENGINEER'S COMMENTS

It is the sole responsibility of owner and owners representative to insure that this building/buildings has proper heat and insulation to prevent fire sprinkler pipe, fittings and devices from freezing.



NORTH

GENERAL NOTES: 1.) SYSTEMS ARE DESIGNED AND INSTALLED PER NFPA 13 (2019 EDITION) 2.) RESIDENTIAL SYSTEM PIPING 2" AND SMALLER TO BE CPVC WITH CPVC 3.) STEEL SYSTEM PIPING 2" AND SMALLER TO BE SCH. 40 BLACK STEEL PIPE AND FITTINGS ARE THREADED / GROOVED / FLANGED / WELDED. 4.) STEEL SYSTEM PIPING 2½" OR LARGER TO BE SCH. 10 BLACK STEEL PIPE AND FITTINGS ARE GROOVED / FLANGED / WELDED. 5.) ALL HANGERS ARE TO MEET THE CRITERIA SET FORTH BY NFPA 13 (2019 EDITION) AND SPACED ACCORDING TO MANUFACTURES SPECIFICATIONS. 6.) WIRING OF ELECTRICAL EQUIPMENT IS TO BE BY OTHERS.

STATIC PRESSURE FITTINGS. CONVERT TO BLACK STEEL PIPE AND FITTINGS WHERE EXPOSED. RESIDUAL PRESSURE FLOW G.P.M. DATE OF TEST HYDRANT LOCATION @ TEST NODE (SEE SITE PLAN) NODE #1 TEST TAKEN BY 7.) PAINTING OF PIPE OR COMPONENTS SHALL BE BY OTHERS. TESTED BY - MIKE PROCTOR 8.) 1 = REPRESENTS A HYDRAULIC REFERENCE POINT. WITNESSED BY - RUSSELL HOLLEY 9.) THE HILLER COMPANIES TO START 1'-0" ABOVE FINISHED FLOOR. CONTACT EMAIL - RHOLLEY@GREENWOODCPW.COM 10.) ALL UNDERGROUND PIPING BY OTHERS. HYDRANT LOCATION - SEE FP-01 11.) SPRINKLERS LOCATED 7'-6" OR LESS FROM FLOOR TO BE PROTECTED WITH APPROVED GUARDS.

(SEAL: 300 @ 60 208V ((864) 942-8199

WATER SUPPLY INFORMATION

FIRE PUMP

1160 TYPE OF DRIVER

09/30/2025 ELECTRICAL REQ.5

GREENWOOD CPW

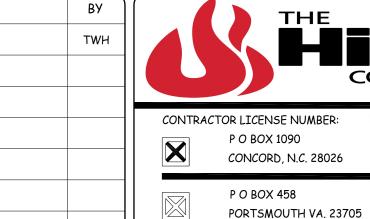
SIZE GPM @ PSI

NICET WATER BA SIGNED: VALID THROUGH 01/01/2027

T REVIEW STAMP	
UAN OCHOA	Syn
NICET #139445	
LEVEL IV	
ASED SYSTEMS LAYOUT	
77.4	
11/MX/MAS	
VCV VI XWV \	

						-		_				
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note	Max Spacing
\boxtimes	Viking	VK300	Microfast	9	5.6	Upright	1/2	Quick	Brass	200°F	Exposed	130ft ² OH / 225ft ² LH
	Viking	VK4621	Concealed	55	5.6	Concealed Pendent	1/2	Quick	Brass	155°F	White Coverplate	130ft ² OH / 225ft ² LH
Ø	Viking	VK302	Microfast	33	5.6	Pendent	1/2	Quick	Chrome	200°F	Chrome Res Esc	130ft ² OH / 225ft ² LH
	Viking	VK4621	Concealed	1	5.6	Concealed Pendent	1/2	Quick	Brass	200°F	White Coverplate	130ft ² OH / 225ft ² LH
	Viking	VK494	Freedom	59	4.9	Concealed Pendent	1/2	Fast	Brass	155°F	White Coverplate	18 x 18 / 324ft²
	Generic	MFG	Chute Head	4	5.6	Horizontal Sidewall	1/2	Quick	Brass	155°F	Connect Chute Head	100ft ² OH / 196ft ² LH
	Viking	VK305	Microfast	3	5.6	Horizontal Sidewall	1/2	Quick	Chrome	200°F	Chrome Res Esc	100ft ² OH / 196ft ² LH
	Viking	VK460	Freedom	104	5.8	Horizontal Sidewall	1/2	Fast	Chrome	155°F	Chrome Res Esc	16 x 16 ft / 256ft²
•	Viking	VK482	Dry	7	5.6	Pendent	1	Quick	White Polyester	205°F	White Flat Esc	130ft² OH / 225ft² LH
	Vikina	VKAGO	Eroodom	200	4.0	Dondont	1/-	Eact	Chromo	455°E	Chromo Bos Eso	10 v 10 / 22/442

Sprinkler Legend - Total Project

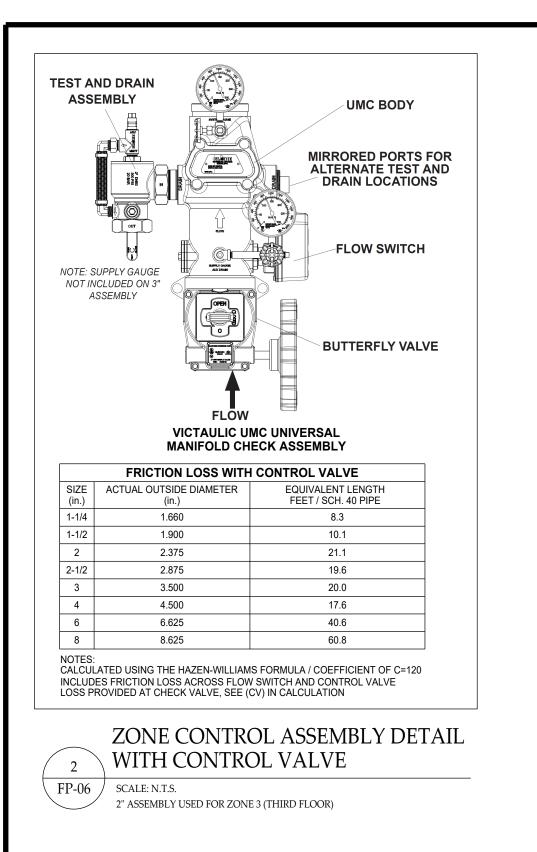




PH: 757-391-0050

FAX: 757-391-0098

SUBMITTALS Home 2 Suites JOB NAME: 475 Hospitality Blvd. Greenwood, SC 29649 CONTRACT WITH: John M. Campbell Company 102 Winchester Avenue Monroe, NC 28110 PHONE: (704) 254-3214 DRAWING NAME: FIRE SUPPRESSION PLAN - SECOND FLOOR DRAWN BY: TWH AHJ: LLR / Greenwood FM FP-05 of 08 DATE: 12/18/25 SCALE: AS NOTED



FIREWALL AND BARRIER NOTES

2-HR FIRE RATED ASSEMBLY

1-HR FIRE RATED ASSEMBLY — — — — — — — — —

GENERAL FIRE RATING NOTES

1. ALL EXTERIOR BEARING WALLS ARE 1-HOUR RATED UNLESS OTHERWISE NOTED. 2. ALL INTERIOR WOOD BEARING WALLS TO BE 1-HOUR RATED.

3. ALL INTERSTITIAL TRUSS CAVITIES SHALL BE COMPLETELY FILLED WITH NON-COMBUSTIBLE BLOWN INSULATION. SPRINKLERS ARE NOT PROVIDED IN THIS AREA.

1. THE HILLER COMPANIES STARTS 1'-0" ABOVE FINISHED FLOOR. ALL UNDERGROUND PIPING BY OTHERS.

(3) EXPOSED 4" MANUAL CLASS-I STANDPIPE SYSTEM.

FIRE PROTECTION GENERAL NOTES

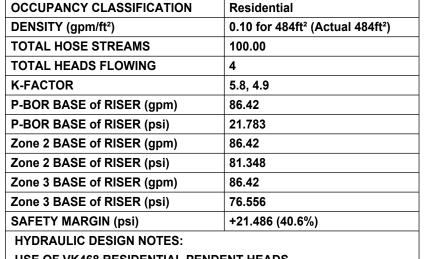
(1) SPRINKLERS AT TOP AND BOTTOM OF ELEVATOR SHAFT NOT REQUIRED PER ASME A14.1 & NFPA 13; 9.3.6.2

(2) EXPOSED 4" MANUAL CLASS-I COMBINATION STANDPIPE W/ 2" FCA (ZONE 1) AND 2½" HOSE ANGLE VALVE.

FIRE PROTECTION KEY NOTES

- 2. SPRIGS 4 FT (1.2M) OR LONGER SHALL BE RESTRAINED AGAINST LATERAL MOVEMENT.
- 3. SYSTEM DRAINS SHALL BE INSTALLED AS REQUIRED PER NFPA 13 AND EXTENDED OUTSIDE THE BUILDING. 4. ALL CORRIDOR CEILING HEIGHTS AT 8'-6" AND UNIT CEILING HEIGHTS AT 10'-0" UNLESS NOTED OTHERWISE.
- 5. FIRE SPRINKLERS SHALL NOT REQUIRED IN BATHROOMS THAT ARE LESS 55 FT² IN AREA IN ACCORDANCE **6.** FIRE SPRINKLERS ARE NOT REQUIRED PER NFPA 13; 9.2.4.2, IN CLOSETS, LINEN CLOSETS AND PANTRIES
- WITHIN DWELLING UNITS THAT MEET ALL THE FOLLOWING CONDITIONS:

 THE AREA OF THE SPACE DOES NOT EXCEED 24 FT². • THE WALLS AND CEILINGS ARE SURFACED WITH NONCOMBUSTIBLE OR LIMITED-COMBUSTIBLE MATERIALS AS DEFINED BY NFPA 220.
- THE ATTIC AND INTERSTITIAL SPACES ARE TO BE FILLED WITH NONCOMBUSTIBLE INSULATION. FIRE SPRINKLERS ARE NOT REQUIRED FOR THIS CONCEALED SPACE WITH THE REQUIREMENTS OF NFPA 13; 9.2.1.7 BEING MET.
- 8. CPVC USED ABOVE CEILINGS IN ALL RESIDENTIAL AREAS. CONVERT PIPING TO STEEL IN EXPOSED AREAS AND ROOMS OF ORDINARY HAZARD OCCUPANCIES EXCEEDING 400 FT2.
- 9. SPRINKLERS SHALL BE INSTALLED AT THE TOP OF COMBUSTIBLE STAIR SHAFTS, UNDER THE LANDINGS AT EACH FLOOR LEVEL AND BENEATH THE LOWEST INTERMEDIATE LANDING PER NFPA 13; 9.3.4.1.
- 10. ALL PIPING VALVES AND APPURTENANCES SHALL BE INSTALLED SUCH AS NOT TO OBSTRUCT ANY PORTION OF WINDOWS, DOORWAYS, STAIRS, PASSAGEWAYS OR ACCESS TO EQUIPMENT.



Hydraulic Information

Remote Area Zone 3 - King One Bedroom 329

HYDRAULIC DESIGN NOTES: USE OF VK468 RESIDENTIAL PENDENT HEADS Max Spacing: 18x18

Minimum Pressure: 12.0 PSI

Max Spacing: 16x16

USE OF VK460 RESIDENTIAL SIDEWALL HEADS

Minimum Flow: 20 GPM Minimum Pressure: 11.9 PSI

Minimum Flow: 17 GPM

QUEEN QUEEN QUEEN QUEEN STUDIO ACCESSIBLE **ELEVATOR ELEVATOR ACCESSIBLE** HOUSE KEEPING QUEEN QUEEN QUEEN QUEEN 🐱 **™** QUEEN QUEEN QUEEN QUEEN 🐱

> SEISMIC AND BRANCHLINE RESTRAIN NOTE . WHERE SHORT RODS AND STRAPS ARE USED - NO LATERAL BRACING REQUIRED PER NFPA 13; 18.5.5.10.2 2. WHERE SHORT RODS AND STRAPS ARE USED - NO BRANCHLINE RESTRAINTS REQUIRED PER NFPA 13; 18.5.5.10.1 AND 18.6.5

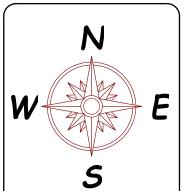
1 FIRE SUPPRESSION PLAN - THIRD FLOOR FP-06 SCALE: 1/8" = 1'-0"

	Sprinkler Legend - Total 3rd Floor											
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Туре	Size	Response	Finish	Temperature	Note	Max Spacing
	Viking	VK494	Freedom	17	4.9	Concealed Pendent	1/2	Fast	Brass	155°F	White Coverplate	18 x 18 / 324ft ²
	Viking	VK460	Freedom	29	5.8	Horizontal Sidewall	1/2	Fast	Chrome	155°F	Chrome Res Esc	16 x 16 ft / 256ft ²
	Viking	VK468	Freedom	59	4.9	Pendent	1/2	Fast	Chrome	155°F	Chrome Res Esc	18 x 18 / 324ft²
	Viking	VK4621	Concealed	2	5.6	Concealed Pendent	1/2	Quick	Brass	155°F	White Coverplate	130ft ² OH / 225ft ² LH
Ø	Viking	VK302	Microfast	3	5.6	Pendent	1/2	Quick	Chrome	200°F	Chrome Res Esc	130ft² OH / 225ft² LH
	Generic	MFG	Chute Head	1	5.6	Horizontal Sidewall	1/2	Quick	Brass	155°F	Connect Chute Head	100ft ² OH / 196ft ² LH
				Total = 111								

NO. DATE

12/18/25

It is the sole responsibility of owner and owners representative to insure that this building/buildings has proper heat and insulation to prevent fire sprinkler pipe, fittings and devices from freezing.



NORTH

GENERAL NOTES: 1.) SYSTEMS ARE DESIGNED AND INSTALLED PER NFPA 13 (2019 EDITION) 2.) RESIDENTIAL SYSTEM PIPING 2" AND SMALLER TO BE CPVC WITH CPVC FITTINGS. CONVERT TO BLACK STEEL PIPE AND FITTINGS WHERE EXPOSED. RESIDUAL PRESSURE 3.) STEEL SYSTEM PIPING 2" AND SMALLER TO BE SCH. 40 BLACK STEEL PIPE AND FITTINGS ARE THREADED / GROOVED / FLANGED / WELDED. 4.) STEEL SYSTEM PIPING $2\frac{1}{2}$ " OR LARGER TO BE SCH. 10 BLACK STEEL PIPE AND FITTINGS ARE GROOVED / FLANGED / WELDED. 5.) ALL HANGERS ARE TO MEET THE CRITERIA SET FORTH BY NFPA 13 (2019

EDITION) AND SPACED ACCORDING TO MANUFACTURES SPECIFICATIONS. 6.) WIRING OF ELECTRICAL EQUIPMENT IS TO BE BY OTHERS. 7.) PAINTING OF PIPE OR COMPONENTS SHALL BE BY OTHERS. 8.) 1 = REPRESENTS A HYDRAULIC REFERENCE POINT. 9.) THE HILLER COMPANIES TO START 1'-0" ABOVE FINISHED FLOOR. 10.) ALL UNDERGROUND PIPING BY OTHERS. 11.) SPRINKLERS LOCATED 7'-6" OR LESS FROM FLOOR TO BE PROTECTED WITH APPROVED GUARDS.

(SEAL: WATER SUPPLY INFORMATION SIZE GPM @ PSI 300 @ 60 1160 TYPE OF DRIVER 09/30/2025 ELECTRICAL REQ.5 HYDRANT LOCATION @ TEST NODE (SEE SITE PLAN) NODE #1 ((864) 942-8199

FIRE PUMP

GREENWOOD CPW

STATIC PRESSURE

FLOW G.P.M.

DATE OF TEST

TEST TAKEN BY

TESTED BY - MIKE PROCTOR

WITNESSED BY - RUSSELL HOLLEY

HYDRANT LOCATION - SEE FP-01

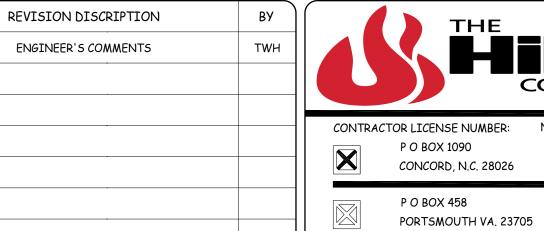
CONTACT EMAIL - RHOLLEY@GREENWOODCPW.COM

VALID THROUGH 01/01/2027

NICET REVIEW STAMP		
JUAN OCHOA NICET #139445 LEVEL IV		,
WATER BASED SYSTEMS LAYOUT		
The Solo		
NED: VUVU WUN 3	1	H

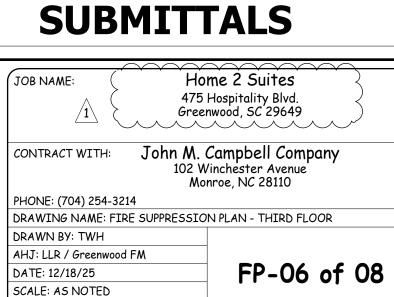
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note	Max Spacing
\boxtimes	Viking	VK300	Microfast	9	5.6	Upright	1/2	Quick	Brass	200°F	Exposed	130ft ² OH / 225ft ² LH
	Viking	VK4621	Concealed	55	5.6	Concealed Pendent	1/2	Quick	Brass	155°F	White Coverplate	130ft ² OH / 225ft ² LH
lacksquare	Viking	VK302	Microfast	33	5.6	Pendent	1/2	Quick	Chrome	200°F	Chrome Res Esc	130ft ² OH / 225ft ² LH
	Viking	VK4621	Concealed	1	5.6	Concealed Pendent	1/2	Quick	Brass	200°F	White Coverplate	130ft ² OH / 225ft ² LH
	Viking	VK494	Freedom	59	4.9	Concealed Pendent	1/2	Fast	Brass	155°F	White Coverplate	18 x 18 / 324ft²
	Generic	MFG	Chute Head	4	5.6	Horizontal Sidewall	1/2	Quick	Brass	155°F	Connect Chute Head	100ft ² OH / 196ft ² LH
	Viking	VK305	Microfast	3	5.6	Horizontal Sidewall	1/2	Quick	Chrome	200°F	Chrome Res Esc	100ft ² OH / 196ft ² LH
	Viking	VK460	Freedom	104	5.8	Horizontal Sidewall	1/2	Fast	Chrome	155°F	Chrome Res Esc	16 x 16 ft / 256ft ²
•	Viking	VK482	Dry	7	5.6	Pendent	1	Quick	White Polyester	205°F	White Flat Esc	130ft² OH / 225ft² LH
	Viking	VK468	Freedom	208	4.9	Pendent	1/2	Fast	Chrome	155°F	Chrome Res Esc	18 x 18 / 324ft ²

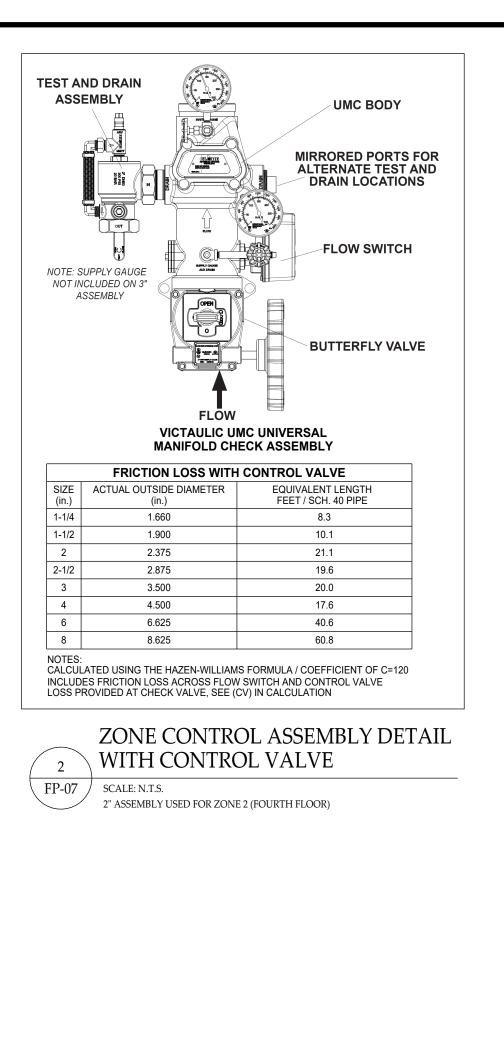
Sprinkler Legend - Total Project





FAX: 757-391-0098







1-HR FIRE RATED ASSEMBLY — — — — — — — — — —

Hydraulic Information

NO. DATE

12/18/25

REVISION DISCRIPTION

ENGINEER'S COMMENTS

Remote Area Zone 4 - King One Bedroom 429

OCCUPANCY CLASSIFICATION Residential

DENSITY (gpm/ft²)

K-FACTOR

TOTAL HOSE STREAMS

TOTAL HEADS FLOWING

P-BOR BASE of RISER (gpm)

P-BOR BASE of RISER (psi)

Zone 2 BASE of RISER (gpm)

Zone 2 BASE of RISER (psi)

Zone 3 BASE of RISER (gpm)

Zone 3 BASE of RISER (psi)

Zone 4 BASE of RISER (gpm) Zone 4 BASE of RISER (psi) SAFETY MARGIN (psi)

HYDRAULIC DESIGN NOTES:

Max Spacing: 18x18

Max Spacing: 16x16

Minimum Flow: 20 GPM Minimum Pressure: 11.9 PSI

Minimum Flow: 17 GPM

Minimum Pressure: 12.0 PSI

USE OF VK468 RESIDENTIAL PENDENT HEADS

USE OF VK460 RESIDENTIAL SIDEWALL HEADS

GENERAL FIRE RATING NOTES

1. ALL EXTERIOR BEARING WALLS ARE 1-HOUR RATED UNLESS OTHERWISE NOTED. 2. ALL INTERIOR WOOD BEARING WALLS TO BE 1-HOUR RATED. 3. ALL INTERSTITIAL TRUSS CAVITIES SHALL BE COMPLETELY FILLED WITH NON-COMBUSTIBLE BLOWN INSULATION. SPRINKLERS ARE NOT PROVIDED IN THIS AREA.

Information	Hydraulic Information						
King One Bedroom 429	Remote Area Zone 4	- 4th Floor Corridor					
Residential	OCCUPANCY CLASSIFICATION	Residential					
0.10 for 484ft² (Actual 484ft²)	DENSITY (gpm/ft²)	0.10 for 411ft² (Actual 411ft²)					
100.00	TOTAL HOSE STREAMS	100.00					
4	TOTAL HEADS FLOWING	5					
5.8, 4.9	K-FACTOR	4.9					
86.42	P-BOR BASE of RISER (gpm)	87.78					
26.575	P-BOR BASE of RISER (psi)	-20.440					
86.42	Zone 2 BASE of RISER (gpm)	87.78					
86.140	Zone 2 BASE of RISER (psi)	39.087					
86.42	Zone 3 BASE of RISER (gpm)	87.78					
81.348	Zone 3 BASE of RISER (psi)	34.294					
86.42	Zone 4 BASE of RISER (gpm)	87.78					
76.556	Zone 4 BASE of RISER (psi)	29.501					
+16.694 (31.5%)	SAFETY MARGIN (psi)	+63.641 (120.2%)					

HYDRAULIC DESIGN NOTES: DEMANDING 5 CORRIDOR SPRINKLERS

USE OF VK494 RESIDENTIAL PENDENT HEADS Max Spacing: 18x18

Minimum Flow: 17 GPM Minimum Pressure: 12.0 PSI

PER NFPA 13 19.3.3.3.6

NFPA 13; 9.2.1.7 BEING MET.

(3) EXPOSED 4" MANUAL CLASS-I STANDPIPE SYSTEM.

(4) ROOF MANIFOLD ASSEMBLY. SEE DETAIL ON FP-08.

OF WINDOWS, DOORWAYS, STAIRS, PASSAGEWAYS OR ACCESS TO EQUIPMENT.

FIRE PROTECTION KEY NOTES

FIRE PROTECTION GENERAL NOTES

(1) SPRINKLERS AT TOP AND BOTTOM OF ELEVATOR SHAFT NOT REQUIRED PER ASME A14.1 & NFPA 13; 9.3.6.2

(2) EXPOSED 4" MANUAL CLASS-I COMBINATION STANDPIPE W/ 2" FCA (ZONE 1) AND 21/2" HOSE ANGLE VALVE.

1. THE HILLER COMPANIES STARTS 1'-0" ABOVE FINISHED FLOOR. ALL UNDERGROUND PIPING BY OTHERS.

3. SYSTEM DRAINS SHALL BE INSTALLED AS REQUIRED PER NFPA 13 AND EXTENDED OUTSIDE THE BUILDING.

4. ALL CORRIDOR CEILING HEIGHTS AT 8'-6" AND UNIT CEILING HEIGHTS AT 10'-0" UNLESS NOTED OTHERWISE.

5. FIRE SPRINKLERS SHALL NOT REQUIRED IN BATHROOMS THAT ARE LESS 55 FT² IN AREA IN ACCORDANCE

6. FIRE SPRINKLERS ARE NOT REQUIRED PER NFPA 13; 9.2.4.2, IN CLOSETS, LINEN CLOSETS AND PANTRIES

THE WALLS AND CEILINGS ARE SURFACED WITH NONCOMBUSTIBLE OR LIMITED-COMBUSTIBLE

7. THE ATTIC AND INTERSTITIAL SPACES ARE TO BE FILLED WITH NONCOMBUSTIBLE INSULATION. FIRE SPRINKLERS ARE NOT REQUIRED FOR THIS CONCEALED SPACE WITH THE REQUIREMENTS OF

8. CPVC USED ABOVE CEILINGS IN ALL RESIDENTIAL AREAS. CONVERT PIPING TO STEEL IN EXPOSED AREAS

9. SPRINKLERS SHALL BE INSTALLED AT THE TOP OF COMBUSTIBLE STAIR SHAFTS, UNDER THE LANDINGS AT

10. ALL PIPING VALVES AND APPURTENANCES SHALL BE INSTALLED SUCH AS NOT TO OBSTRUCT ANY PORTION

EACH FLOOR LEVEL AND BENEATH THE LOWEST INTERMEDIATE LANDING PER NFPA 13; 9.3.4.1.

2. SPRIGS 4 FT (1.2M) OR LONGER SHALL BE RESTRAINED AGAINST LATERAL MOVEMENT.

WITHIN DWELLING UNITS THAT MEET ALL THE FOLLOWING CONDITIONS:

AND ROOMS OF ORDINARY HAZARD OCCUPANCIES EXCEEDING 400 FT².

THE AREA OF THE SPACE DOES NOT EXCEED 24 FT².

MATERIALS AS DEFINED BY NFPA 220.

	QUEEN QUEEN STUDIO ACCESSIBLE 401 8-0' GYP	QUEEN QUEEN 403 8-0 GYP 8-0 GYP 8-0 GYP	QUEEN QUEEN QUEEN QUEEN QUEEN QUEEN QUEEN QUEEN GOVERN GYP	QUEEN QUEEN 411 8'-0" GYP					
	0'-10½ 8'-0½ 8'-0½ 5'	-11 <u>\(\alpha \)</u> <u>\(\alpha \)</u> 5'-11	5'-11	5'-11 S'-11	STUDIO NECTING 413 0° GYP 5'-11 STUDIO KING STUDIO CONNECTING 415 8'-0" GYP	KING STUDIO KING STUDIO 419 8-0" GYP 5-11	KING STUDIO KING STUDIO 421 8'-0" GYP 5'-11	KING STUDIO KING STUDIO 425 8'-0" GYP 5'-11	KING ONE BEDROOM 429 8'-0" GYP
	12.8/2	17.4% 17.4%	1 18. The state of	17.4%		33/2	33,72	33.72	6'-0 4404 413 416 418
	0'-101/2	6-6	5'-6 6'-6	5'-6 5'-6 6'-6 6'-6	5-6	6-6	6'-6	6'-6 5'-6 00'-1	01) 0'-10
	5'-4 4'-2') BATH 2'-3'/2 60 SQFT 7'-3' GYP	0-3/2 1-7 BATH 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1-7	2 4'-2½ 1 BATH 1'-7	4-2½ 4-2½ 1.7 BATH BATH ASH² ASH²	0-3/2 	0-3/2 0-3/2 0-3/2 0-3/2 0-3/2 0-3/2 0-3/2 0-3/2 0-3/2 0-3/2 0-3/2 0-3/2 0-3/2 0-3/2 0-3/2 0-3/2 0-3/2 0-3/2 1-7/2 1-	0-3/2 M 4'-2/2 1 1'-7 BAM 1'-7 BAM 1'-7 BAM 1'-7	0-3/2 0-3/2 0-3/2 0-3/2 0-3/2 0-3/2 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1-7	STAIR 2 4 452 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	2 2 2 33'-3 13'-0'/2	0'-4½ 1 0'-5½ 12'-9	2 12-41/2 11-4 44	2 2 2 2 2 4 5-9 5-9 6-10	2 2 2 2 2 3'-5 GUEST CORRIDO 433 8'-0"	2 0-91/2 2	2-10½1-10½ 5-3 5-3 5 4501 402 4502	2 2 2 2 7'-4 6'-4 5'-11 9'-9 4504 4504 4504	2 021 2 2 01-10½ 12-5 2 00-3½ 410 410
400 P	0	ELEVATOR 6'-6 \(\frac{1}{2} \) \(\frac{1}{2} \	BAJH BAJH 1 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1	4'-2'/2 4-2'/2 1-7 6'-6 6'-6 1 6'-6 1 6'-6 1	1-7 4-2½ 4-2½ 1-7 8 1-7 8 1-8 1-8 1-8 1-8 1-8 1-8 1-8 1-8 1-8 1	BATH 69/SQFT 7'-3' GYP 1'-5½ 7'-7 80'-3½ 6'-6 2½ 7'-0 80'-3½ 80'-	7-3" GYP 9 1 - 9 1 - 11/2 6'-9 4'-7/2 4'-7/2 4'-2/2 1'-7 9 0'-3½ 6'-6	1 1-7 4-2½ 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1-7 1-7	7'-3" GYP 7'-3" GYP 1-7-3" GYP 4'-2½ 4'-2½ 6'-6 5'-6 6'-6 1-7-3" GYP 7'-3" GYP 1-7-7 6'-6 6'-6 6'-6 6'-6
	STAIR 1	LOBBY 434 0'-6½ 7'-6" GYP 5'-8 5'-11	5'-8' ₁₂	5-8/2	5-8%	KING ONE BEDROOM ACCESSIBLE 420	5-872	17.4%	17-4%
4'-5 - 'a'	8'-10½ - \$\frac{1}{25}\$ 4'-5 9'-8½ HOUSE KEEPING	5'-9½ 1	KING STUDIO	412 9	5'-11	KING STUDIO 418 8-0"GYP	8'-0" GYP KING STUDIO CONNECTING 422 8'-0" GYP	5'-11	5'-11
	8'-0" GYP							© QUEEN QUEEN	QUEEN QUEEN © QUEEN © 430 8'-0" GYP 8'-0" GYP

It is the sole responsibility of owner and owners representative to insure that this building/buildings has proper heat and insulation to prevent fire sprinkler pipe, fittings and devices from freezing.

NORTH

GENERAL NOTES: 1.) SYSTEMS ARE DESIGNED AND INSTALLED PER NFPA 13 (2019 EDITION) 2.) RESIDENTIAL SYSTEM PIPING 2" AND SMALLER TO BE CPVC WITH CPVC FITTINGS. CONVERT TO BLACK STEEL PIPE AND FITTINGS WHERE EXPOSED. RESIDUAL PRESSURE 3.) STEEL SYSTEM PIPING 2" AND SMALLER TO BE SCH. 40 BLACK STEEL PIPE AND FITTINGS ARE THREADED / GROOVED / FLANGED / WELDED. 4.) STEEL SYSTEM PIPING 2½" OR LARGER TO BE SCH. 10 BLACK STEEL PIPE AND FITTINGS ARE GROOVED / FLANGED / WELDED. 5.) ALL HANGERS ARE TO MEET THE CRITERIA SET FORTH BY NFPA 13 (2019 EDITION) AND SPACED ACCORDING TO MANUFACTURES SPECIFICATIONS. 6.) WIRING OF ELECTRICAL EQUIPMENT IS TO BE BY OTHERS.

7.) PAINTING OF PIPE OR COMPONENTS SHALL BE BY OTHERS. 8.) 1 = REPRESENTS A HYDRAULIC REFERENCE POINT. 9.) THE HILLER COMPANIES TO START 1'-0" ABOVE FINISHED FLOOR. 10.) ALL UNDERGROUND PIPING BY OTHERS. 11.) SPRINKLERS LOCATED 7'-6" OR LESS FROM FLOOR TO BE PROTECTED WITH APPROVED GUARDS.

WATER SUPPLY INFORMATION STATIC PRESSURE FIRE PUMP SIZE GPM @ PSI 300 @ 60 1160 TYPE OF DRIVER 09/30/2025 ELECTRICAL REQ.5 208V HYDRANT LOCATION @ TEST NODE (SEE SITE PLAN) NODE #1 TEST TAKEN BY ((864) 942-8199 GREENWOOD CPW TESTED BY - MIKE PROCTOR WITNESSED BY - RUSSELL HOLLEY CONTACT EMAIL - RHOLLEY@GREENWOODCPW.COM HYDRANT LOCATION - SEE FP-01

FLOW G.P.M.

DATE OF TEST



2. WHERE SHORT RODS AND STRAPS ARE USED - NO BRANCHLINE RESTRAINTS REQUIRED PER NFPA 13; 18.5.5.10.1 AND 18.6.5

BRACING REQUIRED PER NFPA 13; 18.5.5.10.2

VIEW STAMP	
I OCHOA	Symbo
Г#139445	
VEL IV	
SYSTEMS LAYOUT	
MXALAS	
0/20010	

FP-07 SCALE: 1/8" = 1'-0"

Sprinkler Legend - Total Project												
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note	Max Spacing
\boxtimes	Viking	VK300	Microfast	9	5.6	Upright	1/2	Quick	Brass	200°F	Exposed	130ft² OH / 225ft² LH
	Viking	VK4621	Concealed	55	5.6	Concealed Pendent	1/2	Quick	Brass	155°F	White Coverplate	130ft ² OH / 225ft ² LH
•	Viking	VK302	Microfast	33	5.6	Pendent	1/2	Quick	Chrome	200°F	Chrome Res Esc	130ft² OH / 225ft² LH
	Viking	VK4621	Concealed	1	5.6	Concealed Pendent	1/2	Quick	Brass	200°F	White Coverplate	130ft ² OH / 225ft ² LH
	Viking	VK494	Freedom	59	4.9	Concealed Pendent	1/2	Fast	Brass	155°F	White Coverplate	18 x 18 / 324ft²
	Generic	MFG	Chute Head	4	5.6	Horizontal Sidewall	1/2	Quick	Brass	155°F	Connect Chute Head	100ft ² OH / 196ft ² LH
	Viking	VK305	Microfast	3	5.6	Horizontal Sidewall	1/2	Quick	Chrome	200°F	Chrome Res Esc	100ft ² OH / 196ft ² LH
	Viking	VK460	Freedom	104	5.8	Horizontal Sidewall	1/2	Fast	Chrome	155°F	Chrome Res Esc	16 x 16 ft / 256ft²
•	Viking	VK482	Dry	7	5.6	Pendent	1	Quick	White Polyester	205°F	White Flat Esc	130ft² OH / 225ft² LH
	Viking	VK468	Freedom	208	49	Pendent	1/2	Fast	Chrome	155°F	Chrome Res Esc	18 x 18 / 324ft²



P O BOX 458

PORTSMOUTH VA. 23705

JOB NAME:

PH: 757-391-0050

FAX: 757-391-0098

SUBMITTALS Home 2 Suites 475 Hospitality Blvd. Greenwood, SC 29649 CONTRACT WITH: John M. Campbell Company 102 Winchester Avenue Monroe, NC 28110 PHONE: (704) 254-3214 DRAWING NAME: FIRE SUPPRESSION PLAN - FOURTH FLOOR DRAWN BY: TWH

FP-07 of 08

AHJ: LLR / Greenwood FM

DATE: 12/18/25

SCALE: AS NOTED

