

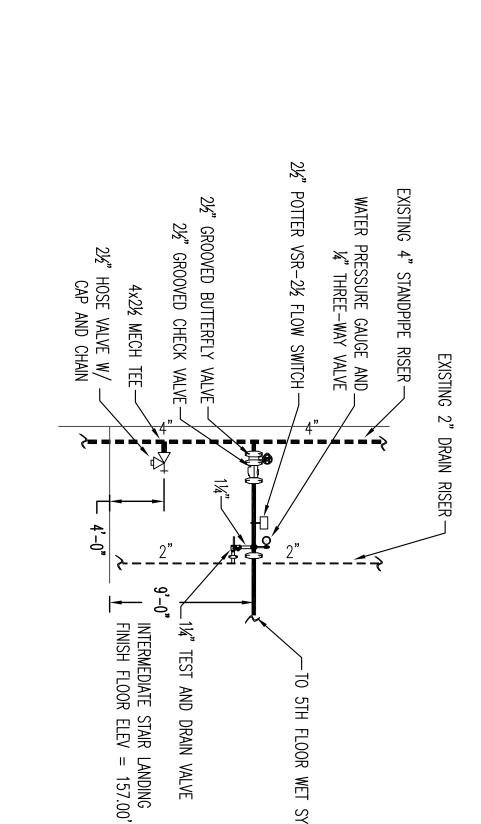
GENERAL

NOTES

SEE EXISTING EASTERN FIRE PROTECTION DRAWING. MAINE BANK & TRUST SECOND FLOOR & BASEMENT #E-2156-95 SHEET 1 OF 1 FOR RISER, SITE PLAN & WATER DATA.

GENERAL NOTES

SPRINKLER SYSTEM INSTALLATION TO COMPLY WITH NFPA 13, (2013).



"FCVA" DETAIL

N.T.S.

	SCALE -	24,		-3,			
OWNER TO PROVIDE SUFFICIENT HEAT THROUGHOUT BUILDING TO PREVENT FREEZING OF WATER FILLED SPRINKLER PIPING AND EQUIPMENT. (40°F)	MAIN PIPING 2½" AND LARGER TO BE BLACK STEEL SCH'D 10 W/ GROOVED ENDS & WELDED OUTLETS JOINED BY MECHANICAL COUPLINGS.	FITTINGS.	CONCENTED BEANCH TIME DIDING TO BE ODGE DIACTIC DIDE C-150 TOWED WITH CITIED CDG.	EXPOSED BRANCH LINE PIPING TO BE BLACK STEEL SCH'D 40 JOINED BY THREADED DUCTILE	OLIVIAN PETA OLOTEM MAGNATEM TO COMPLET MILLIAMINATEM (FOLO)	(2107) 21# STAIHDWAD VOAN HIM KIDWOO OI NOITVIIVISNI WALSAS AAIMNIADS	GENERAL NOTES
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DRAWN BY G
NICET LEVEL III C
CHECKED BY W
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CONTRACTOR LICENSE
CONTRACTOR RMS #

WAF CERT.#

IERN FIRE ISTON INDUSTRIAL BURN, MAINE 04210

DATE 02-06-14

SCALE AS NOTED

GRD CERT.# 090388

OWNER / ARCHITECT STATE FIRE MARSHAL PORTLAND FIRE DEPARTMENT

REQUIRED APPROVALS

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MONUMENT

SQUARE

FIRE SPRINKLER
PLANS AND DETAILS

5TH

FLOOR

CONGRESS

ST.,

PORTLAND, ME

DWG. NO. 1 OF 1

JOB NUMBER AU-5126-14

16°

ਨ

RECESSED PENDENT ON DROP SYMBOL = •

BRASS

S UPRIGHT ON SPRIG SYMBOL= ©

FOR TERRA—COTTA STRUCTURE

ADJUSTABLE SWIVEL

TOGGLE WING NUT

NOTE:
ALL HANGERS TO BE PROVIDED AND INSTALLED AS PER NFPA # 13

SPRINKLER HEAD

NOT TO SCALE

DETAILS

HANGER DETAILS

NOT TO SCALE

3/8" ATR

1"-4" PIPE

KLER SYSTEM INSTALLATION TO COMPLY WITH NFPA PAMPHLETS #13 (2013) SED BRANCH LINE PIPING TO BE BLACK STEEL SCH'D 40 JOINED BY THREADED DUCTILE FITTINGS. FALED BRANCH LINE PIPING TO BE CPVC PLASTIC PIPE C=150 JOINED WITH GLUED CPVC GS. PIPING 2½" AND LARGER TO BE BLACK STEEL SCH'D 10 W/ GROOVED ENDS & WELDED THE TOWNER BY MECHANICAL COLUDINACE.	CPVC HANGER INSTALLATION DETAIL NOT TO SCALE	SEE TABLE 2 TABLE 1 TABLE 1 TABLE 1 TABLE 1 SPACING AXXIMUM SUPPORT SUPPORT SPACING INLINE SPACING INLINE SPACING INCINE SPACING IN	SEE TABLE BELOW FOR NUMBER OF HANGERS REQUIRED MINIMUM ALLOWABLE HANGERS PER LENGTH OF PIPE PIPE SIZE PIPE SIZE O'-O" TO 5'-6" O'-O" TO 6'-6" O'-O" TO 6'-6" O'-O" TO 8'-0" O'-O" TO 8'-0" O'-O" TO 8'-0" O'-O" TO 9'-0" O'-O" TO 9'-0" O'-O" TO 9'-0" O'-O" TO 9'-0" O'-O" TO 10'-0" O'-O" TO 10'-0"	PIPE SIZE Inches
		BRACE/ SUPPORT TABLE 2 SUPPORT SPACING DISTANCE SPRINKLER HEAD DROP TEE SYSTEM PRESSURE < 100 psi > 100 4' 3' 5' 4' 5' 4' 6' 5' 7' 7'	WATER	
NEW YORK		LINE * DISTANCE PROP TEE RESSURE > 100 psi 3' 4' 5' 7'	It is an fitting p Dince an i should be maximum p excess of Sprinkler line pressure from the or compre the fitti couplings NUTIES: Listings based acr Blazemast incompati Teflon th sprinkler applied t Firestop fire spri approved that have	Solvent crelative assembly minutes, period, tyliont. Resting. Store cem Do not allowed trisually threads a

FIRE

SPRINKLER

PLAN

FIFTH

LOOR

SCALE: 1/8"=1'
AREA PROTECTED: 6,480 STANISH FLOOR ELEVATION COLOR CODE:

SQ.FT. : 163'-0"

Schedule

WARNING
Avoid applying too much cement. Do not allow the cement to drip beyond the bottom of fitting socket. Excessive cement on the pipe and/or fitting can result in decreasing the overall strength of the pipe and/or fitting and may cause cracks when pressure is applied. Failure to comply could result in property damage due APPLYING CEMENI, SETTING AND CURE TIMES

Prepare pipe by beveling outside end 10° to 15°, deburring end and wiping away excess filings. Apply a heavy, even coat of solvent cement to the outside end of the pipe, a medium coat to the inside of the fitting socket and for pipe sizes larger than 1°, apply a second coat to the end of the pipe. Beveling allows the cement to remain on the fitting socket inside wall.

A bead of solvent cement should be evident around the pipe and fitting juncture. If this bead is not continuous around the socket shoulder, it may indicate that insufficient cement was applied. Wipe off excess cement on the outside of the joint. The solvents will eva but the solvent cement inside the fitting will stay there. an installation is completed and cured, per the appropriate table, the system d be tested with water at 200 psi for 2 hours, or at 50 psi in excess of the um pressure when the maximum pressure to be maintained in the system is in s of 150 psi, in accordance with the requirements established by NFPA 13. kler systems in one and two family dwellings and mobile homes may be tested at pressure in accordance with the requirements established by NFPA 13D. When ure testing, the sprinkler system shall be filled with water and air bled the highest and farthest sprinkler head before test pressure is applied. Air appressed gas should never be used for pressure testing. If a leak is found, itting must be cut out and discarded. A new section can be installed using ings or a union. Unions should be used in accessible area only. cement set and cure times are a function of pipe size, temperature, humidity, and tightness of fit. Drying time is faster for drier ents, smaller pipe sizes, high temperatures, and tighter fits. The must be allowed to set, without any stress on the joint, for 1 to 5 depending on the pipe size and temperature. Following the initial sthe assembly can be handled carefully avoiding significant stresses the assembly care time tables for minimum cure times prior to pressur systems such as Hilti FS-One have been found to be compatible with CPVC nkler products. A list of these firestop systems can be found along with thread sealants on-line at www.blazemaster.com. Use only those products been approved. ent in a warmer area when not in use and make sure they remain fluid. low the cement to freeze or become "jelly-like". Gelled cement shall ded. unacceptable practice to thread the sprink rior to cementing the adapter to the drop. heads shall be installed only after all the CPVC pipe and fittings, the sprinkler head adapters, are solvent welded to the piping and cure for a minimum of 30 minutes. Sprinkler head fittings should be inspected and probed with a wooden dowel to insure that the water way re clear of any excess cement. and approvals do not cover any painted CPVC fire sprinkler products. Wate lic latex paint is the preferred and recommended paint to be used on PPVC pipe and fittings. <u>Dil or solvent-based paints may be chemically</u> the with Blazemaster CPVC. ead tape is the recommended sealant for threaded connections to CPVC products. When using Datey Great White Thread Sealant, it should be male threads only. ALL DIMENSIONS ARE SHOWN FOR GENERAL LOCATION OF SPRINKLER HEADS ; PIPING MAY VARY TO SUIT ACTUAL FIELD CONDITIONS. SCOPE OF WORK:

EASTERN FIRE PROTECTION TO START WORK AT EXISTING 4" STANDPIPE. INSTALL NEW FLOOR CONTROL VALVE ASSEMBLY AND SPRINKLER SYSTEM PROTECTION THROUGHOUT THE 5TH FLOOR TENANT SPACE ONLY. EXISTING SPRINKLER PROTECTION IN ALL OTHER PORTIONS OF THE BUILDING TO REMAIN AS IS. ALL WIRING TO BE DONE BY OTHERS. ACOUSTICAL CEILING TILE (ACT) TO BE LISTED NON-COMBUSTIBLE WITH UL FLAME SPREAD OF LESS THAN 25. ALTHOUGH NOT SPECIFIED, SOME SPRINKLER HEADS HAVE BEEN SHOWN @ CENTERLINE OF TILE. ACTUAL ORIENTATION OF HEADS WITH RESPECT TO CEILING COMPONENTS WILL VARY ACCORDING TO FIELD CONDITIONS. ORDINARY GROUP I = MECH/ ELEC ROOM, STORAGE ROOM, FILE STORAGE. OCCUPANCY HAZARD AND CLASSIFICATION: LIGHT HAZARD = ELEV LOBBY, OFFICES, BATH RMS, CORRIDORS, AND CONFERENCE ROOMS. INDICATES HYDRAULIC REFERENCE POINTS

L_1¼" TEST AND DRAIN VALVE TO 5TH FLOOR WET SYSTEM