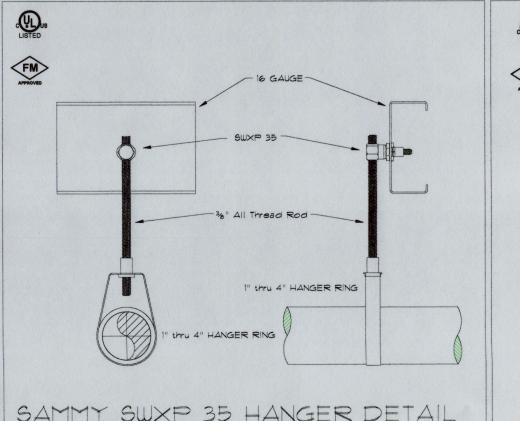
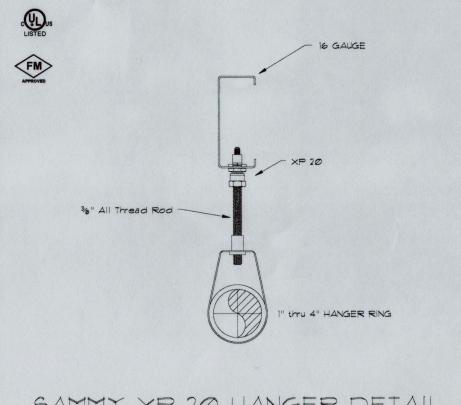


SAMMY CST 20 HANGER DETAIL (PIPE SIZES 1" thru 4")

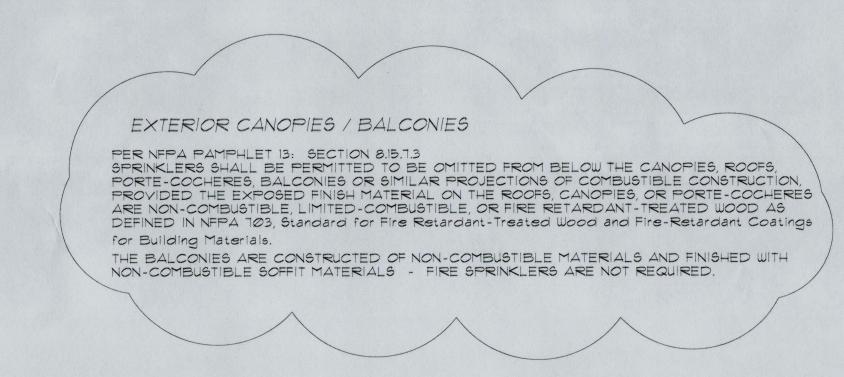


SAMMY SWXP 35 HANGER DETAIL (PIPE SIZES 1" thru 4")



	HANGER
	PIPE SI
AMMY XP 20 HANGER DETAIL	UP TO A
(DIDE CITEC 111 Hass. 111)	
(PIPE SIZES 1" thru 4")	NOTE: IF HEAD) E

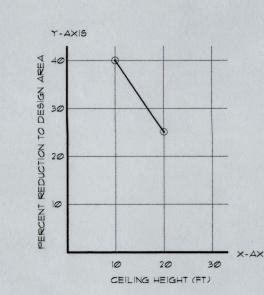
MAXIMUM DISTA	TOL DE								
PIPE SIZE	3/4"	In.	114"	11/2"	2"	21"	3"	4"	6"
STEEL PIPE	N/A	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0
THREADED LIGHTWALL	N/A	12-0	12-0	12-0	12-0	12-0	12-0	N/A	N/A
COPPER	8-0	8-0	10-0	10-0	12-0	12-0	12-0	15-0	15-0
CPVC	5-6	6-0	6-6	7-0	8-0	9-0	10-0	N/A	N/A
	86" FOR 18" FOR	" 1½"	HANGER	MAX		EN EXTEN			
3	GREAGRE	I" I'4" I'2" & ATER THA		MAX OR 1" OR 1½"	TH!	—0, V		7	
3	GREAGRE	I" 11/4" 11/2" & ATER THA ATER THA ATER THA	LARGER AN 36" FI	MAX OR 1" OR 1½"	TH!	—0, V			(
	GREAGRE	I" I'' I'' I'' I'' ATER THA ATER THA ATER THA	LARGER AN 36" FI	MAX OR 1" OR 1½"	TH!	GER	ND HERE	AM. OF R	(



DESIGN AREA REDUCTION FOR QUICK RESPONSE SPRINKLERS

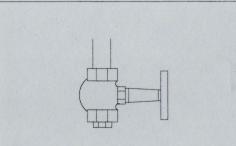
NFPA 13 SEC 11.2.3.2.3.1 WHERE LISTED QUICK RESPONSE SPRINKLERS, INCLUDING EXTENDED COVERAGE QUICK RESPONSE SPRINKLERS, ARE USED THROUGHOUT A SYSTEM OR PORTION OF A SYSTEM HAVING THE SAME HYDRAULIC DESIGN BASIS, THE SYSTEM AREA OF OPERATION SHALL BE PERMITTED TO BE REDUCED WITHOUT REVISING THE DENSITY AS INDICATED IN FIGURE 11.2.3.2.3.1 WHEN ALL OF THE FOLLOWING CONDITIONS ARE SATISFIED:

(1) WET PIPE SYSTEM (2) LIGHT HAZARD OR ORDINARY HAZARD (3) 20 FT MAXIMUM CEILING HEIGHT (4) THERE ARE NO UNPROTECTED CEILING POCKETS AS ALLOWED BY



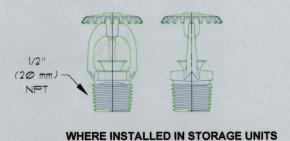
8.6.7 AND 8.8.7 EXCEEDING 32 SQ. FT.

NOTE: $Y = \frac{-3x}{2} + 55$ FOR CEILING HEIGHT \geq 10 FTAND \leq 20 FT,Y = $\frac{-3x}{2}$ + 55 FOR CEILING HEIGHT < 10 FT, Y = 40 FOR CEILING HEIGHT > 20 FT,Y = 0

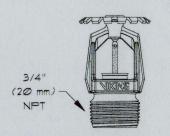


1. Valve Not Smaller than 3/4" 2. Nipple 3. Cap or Plug (at least one shall be brass)

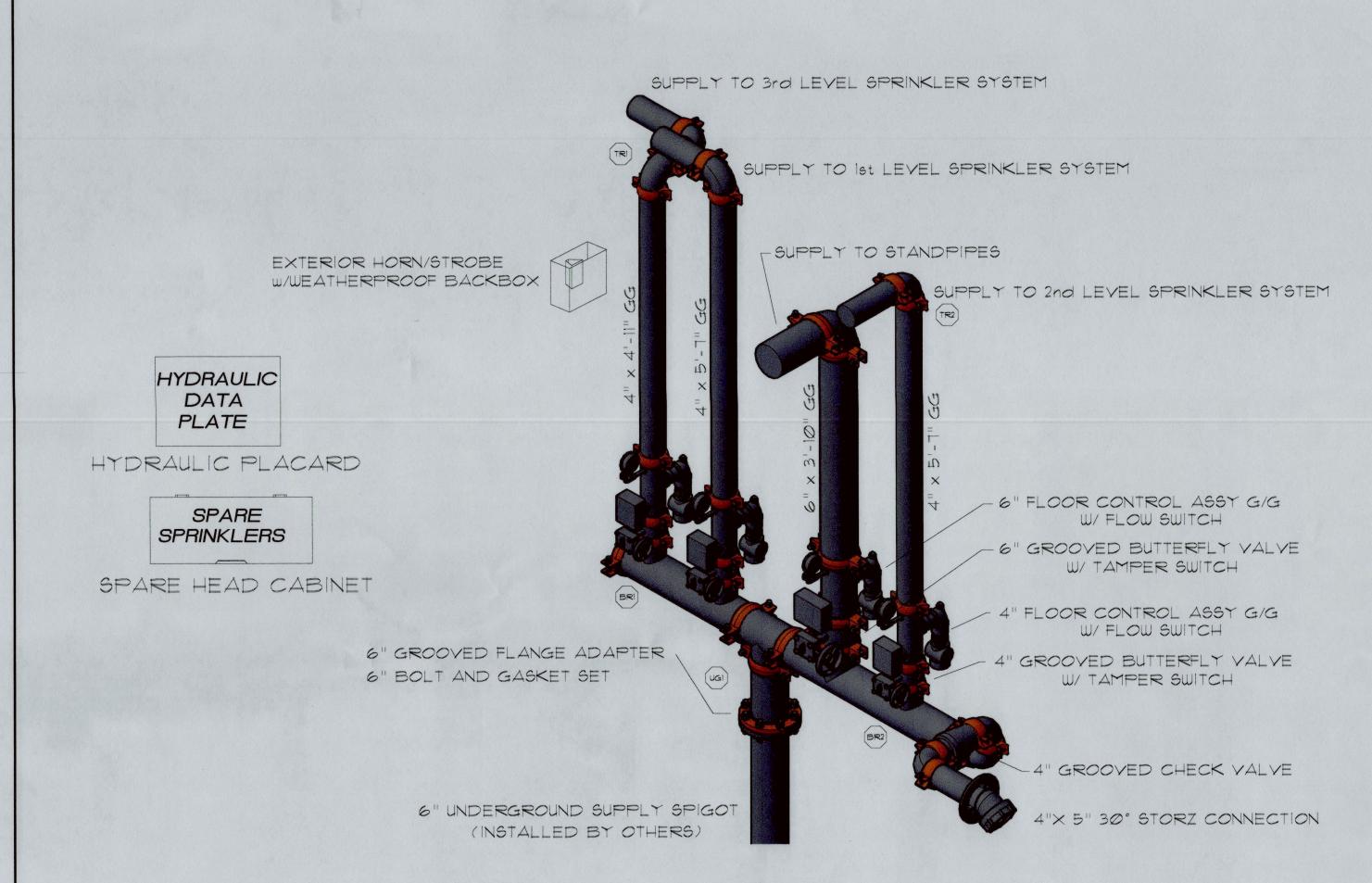
Auxiliary Drain



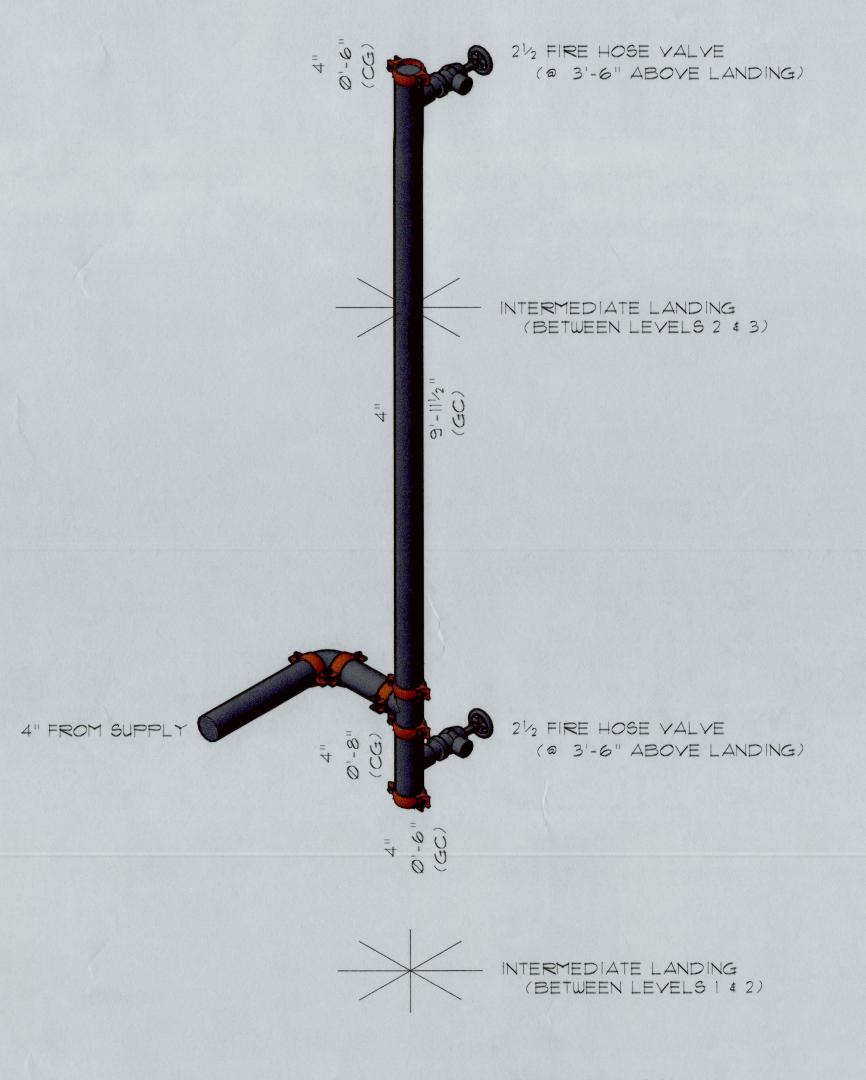
SERIES VK300, K=5.6, 1/2" NPT, QR UPRIGHT, SIN VK300 MAXIMUM SPACING = 10' X 10' MINIMUM SPACING BETWEEN SPRINKLERS = 6'-0" MAXIMUM DISTANCE OFF WALL = 5'-0" SPRINKLER DEMAND = 20 gpm @ 7.0 psi



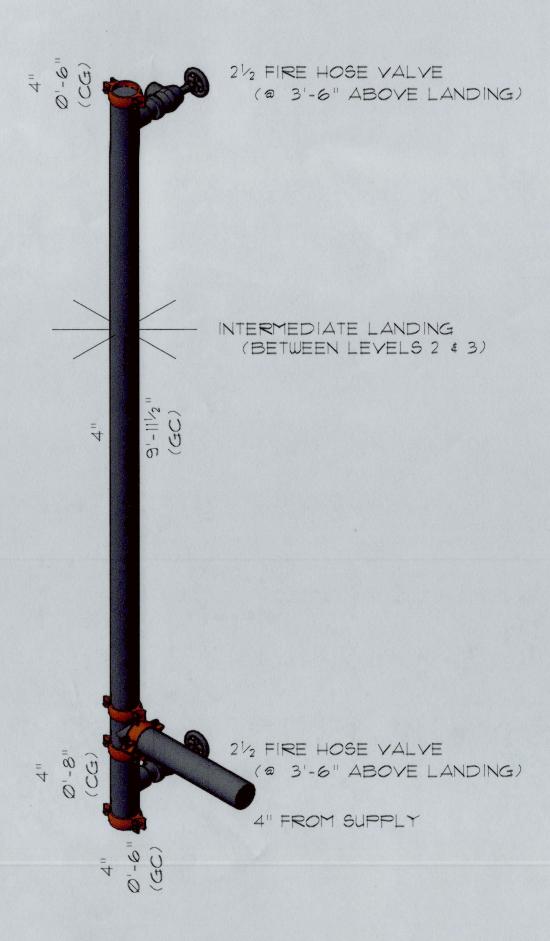
WHERE INSTALLED IN STORAGE UNITS SERIES VK532, K=5.6, 1/2" NPT, QR UPRIGHT, SIN VK532 MAXIMUM SPACING = 16' X 16' MINIMUM SPACING BETWEEN SPRINKLERS = 8'-0" MAXIMUM DISTANCE OFF WALL = 8'-0" SPRINKLER DEMAND = 51 gpm @ 20.7 psi



LAKEVIEW SELF STORAGE - FIRE SPRINKLER RISER DETAIL SCALE: 3/4" = 1'-0"



MANUAL WET STANDPIPE DETAIL EAST STAIR SCALE: 3/4" = 1'-0"



INTERMEDIATE LANDING
(BETWEEN LEVELS 1 & 2)

MANUAL WET STANDPIPE DETAIL SCALE: 34" = 1'-0" EAST STAIR



SUBMITTAL DRAWING

GENERAL NOTES . ALL ELECTRICAL WIRING BY OTHERS. 2. ALL UNDERGROUND PIPE INSTALLED BY OTHERS 3. FIRE SPRINKLER SYSTEM SHALL BE MONITORED IN AN APPROVED MANNER. MONITORING OF SYSTEM IS THE RESPONSIBILITY OF THE OWNER. 4. PFS FIRE IS TO PROVIDE ALL NECESSARY SIGNS FOR IDENTIFYING DEVICES & HYDRAULIC DATA.

PIPING IS INSTALLED.

FIRE PROTECTION MATERIALS 1. ALL COMPONENTS TO BE U.L. LISTED. 2. ALL HANGERS TO BE PER NFPA-13, 2013. 3. ALL PIPE 2" AND SMALLER WITH THREADED ENDS AND BLACK THREADED FITTINGS SHALL BE BLACK SCH. 40. 4. ALL PIPE 14" AND LARGER GROOVED ENDS AND LISTED GROOVED FITTINGS SHALL BE BLACK SCH. 10. 5. DROPS TO BE 1" BLACK SCH. 40 AND CUT ON THE JOB FIT FINISHED HARDLID CEILINGS WHERE APPLICABLE. 5. OWNER TO MAINTAIN ADEQUATE HEAT WHERE WET SYSEM 6. PROVIDE APPROVED FIRESTOPPING WHERE PIPE PENETRATES FIRE RATED FLOORS, WALLS & CEILINGS.

APPLICABLE CODE REQUIREMENTS BUILDING USE - SELF STORAGE GROUP S-1 BUSINESS GROUP B TYPE OF CONSTRUCTION - TYPE IIB 2018 INTERNATIONAL BUILDING CODE (IBC) 2018 INTERNATIONAL FIRE CODE (IFC) NFPA 13 - 2016 EDITION BUILDING IS FULLY SPRINKLERED

DESIGN CRITERIA DESIGN CRITERIA NOTED INDIVIDUALLY SEE INDIVIDUAL HYDRAULIC DEMAND BLOCKS CHING G'-8" CEILING HEIGHT ELEVATION CALCULATION AREA FILE NAME: SAMPLE AFEA X
HAZARD: COCUPANCY CLASSIFICATION
DENSITY DESIGN AFEA: XX gpm / XX sq, ft,
AFEA FER STRAIL R. AFEA FER sq, ft,
NO. SPRINLERS: GUANTITY
K.FACTOR: XX gpm / XXX gpm
RESDUAL PSI REQ * BOR: XXX gpm
GPM REQ * BOR: XXX gpm

SYMBOLS 4'-5%" CONTROL MEASUREMENT 9'-8" PIPE ELEVATION HEIGHT PIPE RISE PIPE DROP BRANCH LINE NUMBER MAIN NUMBER COMMON CONNECTION 2-WAY EARTHQUAKE BRACE SP 4-WAY EARTHQUAKE BRACE TOB PIPE HANGER -) CAP (THR'D OR GRV'D) ⊗ SYSTEM RISER

Bottom of Beam
Bottom of Deck
Bottom of Pipe
Below Top of Steel
Fire Hose Valve
Nipple and Cap

ABBREVIATIONS IMPORTANT IN LOCALITIES SUBJECT TO FREEZING CONDITIONS, THE OWNER MUST MAINTAIN
HEAT THROUGHOUT WET PIPE SPRINKLER SYSTEMS AREAS, AND IN ENCLOSURES
WHERE DRY PIPE, DELUGE OR OTHER VALVES CONTROLLING WATER SUPPLIES TO Not in Contract
Not to Scale
Open Bar Joist
Pressure Red. Valve
Roof Manifold
Standpipe
Top of Beam
Top of Pipe THIS DRAWING, THE INFORMATION AND DESIGN APPLICATION HEREIN CONTAINED, IS THE PROPERTY OF PERFORMANCE FIRE SYSTEMS LLC, AND IS LOANED UPON THE CONDITION THAT THE SAME WILL BE RETURNED TO FFS UPON REQUEST. INFORMATION CONTAINED HEREIN SHALL BE TREATED AS CONFIDENTIAL.
REPRODUCTION OF THIS DRAWING OR ANY PART THEREOF, REQUIRES WRITTEN
CONSENT FROM PERFORMANCE FIRE SYSTEMS LLC.

SPRINKLERS/NOZZLES SEE PLAN SYMBOL COUNT ORIENTATION FINISH TEMP. K-FACTOR NPT ORIFICE MANUFACTURER MODEL * ESCUTCHEON SIN * DRAWN BY: A.Aadahl CONTRACT NO: LS-Ø1-23 9/10/2023 CONTACT: KELLY PETTIGREW VOICE: (913) 764-7000

TOTAL QUANTITY OF SPRINKLERS ON SHEET:

DESIGN SUBMITTAL AND REVISION DATE Submitted for Approval 9/10/2023 11425 WEST 59th STREET SOUTH SAND SPRINGS, OK 74063 OKLAHOMA LICENSE #427092 CONTRACT: BUILDING A STRICKLAND CONSTRUCTION 120 S ROGERS ROAD SUITE B

STRICKLAND CONSTRUCTION

SHEET DESCRIPTION:

CONTRACT WITH:

CONTRACTOR: OLATHE, KANSAS 66062

LAKEVIEW SELF STORAGE 4101 NE PORT DRIVE LEE'S SUMMIT, MISSOURI HOUSEHOLD STORAGE DRAWING NO. FP - 2 of 5

