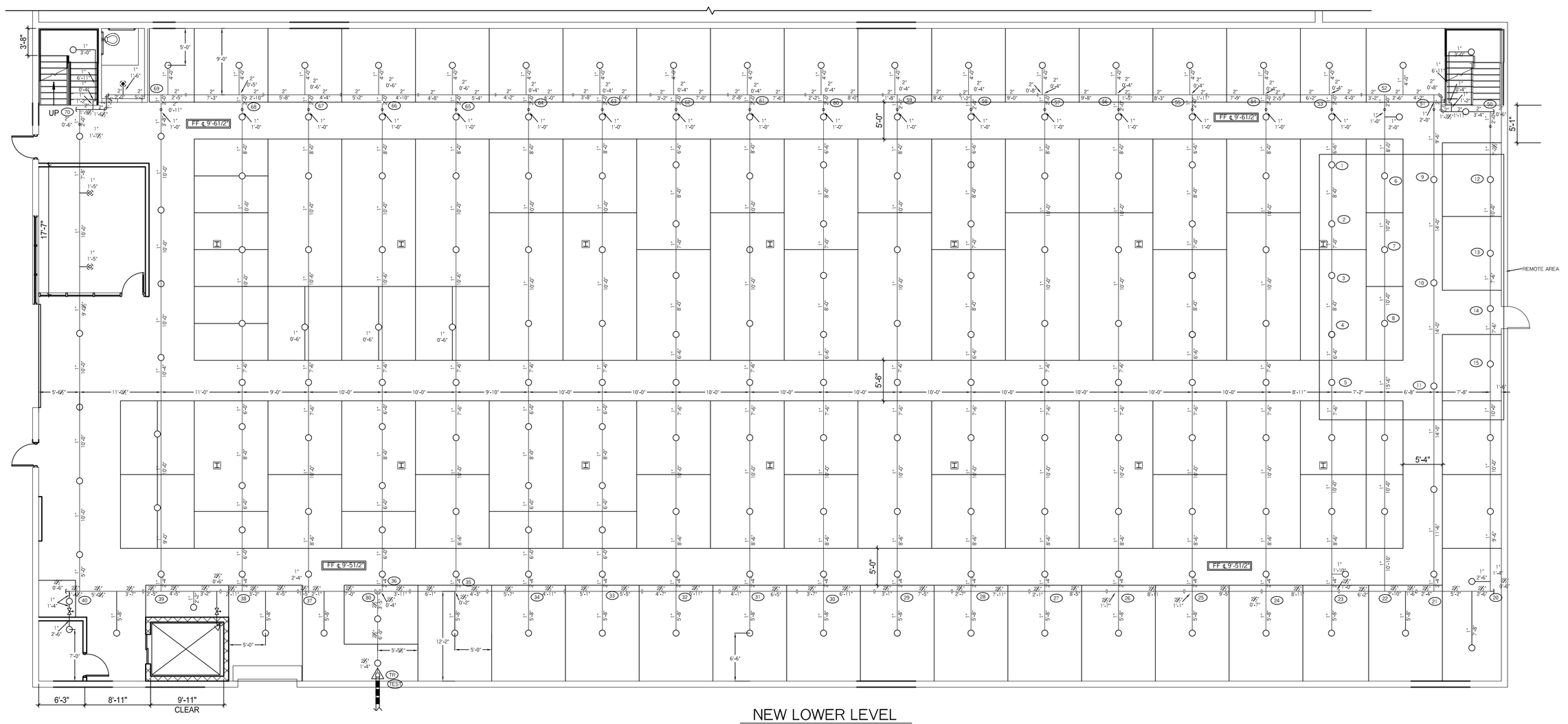


NEW LOWER LEVEL

N

PLAN NORTH

HYDRAULIC DATA:
NEW LOWER LEVEL
BASIS OF DESIGN (NFPA 13)

DENSITY	AREA OF COVERAGE		
.20	900 SQFT		
	TOTAL	THREAD	TEMP
SPRINKLERS	15	1/2"	155

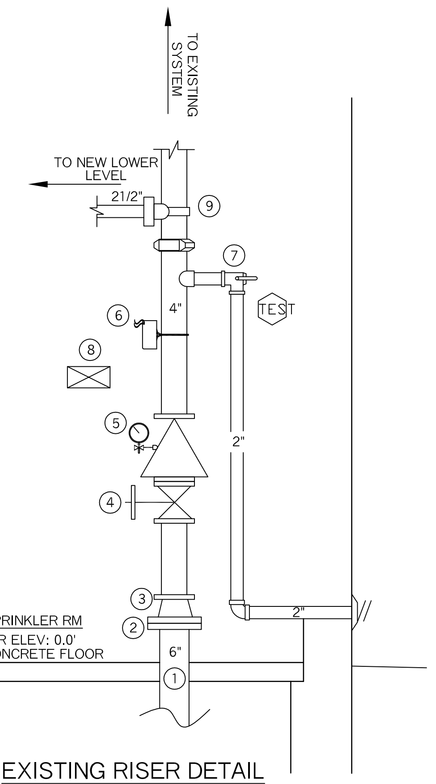
SYSTEM DEMAND AT BASE OF RISER:

PRESSURE	FLOW	HOSE
84.943	405.227	

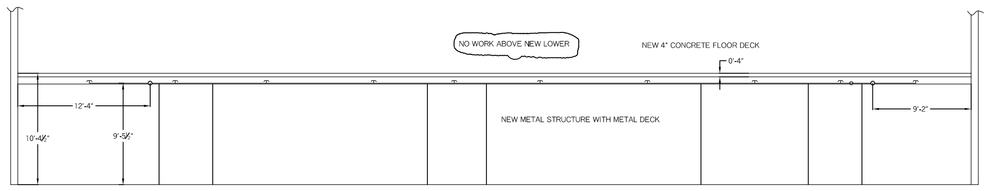
SAFETY MARGIN: 8.28
OCCUPANCY: STORAGE

EXISTING RISER LEGEND

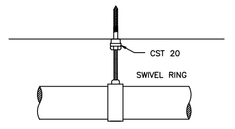
1. 6" DICL U.G. SPIGOT, PLUMB AND LEVEL
2. 6" FLANGE
3. 6" X 4" FLANGED CONCENTRIC REDUCER
4. 4" O,S&Y GATE VLV
5. WATER PRESSURE GAUGE (3.5" DIA.)
6. EXISTING VSR-4 VANE TYPE FLOWSWITCH
7. 2" MAIN DRAIN VALVE
8. SPARE HEAD BOX, 6 HD CAPACITY W/ WRENCH
9. NEW 4"X 21/2" GROOVED MECH TEE



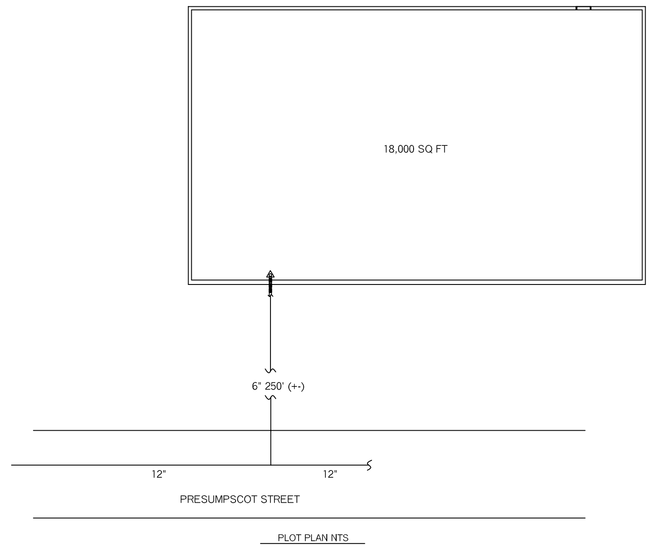
EXISTING RISER DETAIL
N.T.S.



CROSS SECTION NTS



SAMMY SCREW- CST20 (CONCRETE)
N.T.S.



PLOT PLAN NTS

209 / 155°F — VIKING VK300 QR BRASS UPRIGHTS 1/2"X1/2" K=5.6
3 / 155°F — VIKING VK302 QR WHITE PENDENT 1/2"X1/2" K=5.6
1 / 200°F — VIKING VK300 QR BRASS UPRIGHTS 1/2"X1/2" K=5.6

WATER SUPPLY INFO

STATIC = 100 PSI
RESIDUAL = 90 PSI
FLOW = 500 GPM
DATE = 9-22-17
TYPE = 2" MAIN DRAIN
LOCATION = AT EXISTING RISER

LEGEND

- ▷ 155°F QR 1/2" WHITE SIDEWALL
- ◑ 155°F 1/2 BRASS PENDENT
- ○ 155°F 1/2 BRASS UPRIGHT
- ◈ 155°F QR 1/2" WHITE RECESSED PENDENT
- ◈● 200°F QR 1/2" BRASS UPRIGHT
- / HANGER
- ◦ RISE OR DROP NIPPLE
- —|— VICTAULIC COUPLING

FF k=XX FIN FLR TO CENTERLINE OF PIPE
C k=XX CEILING TO CENTERLINE OF PIPE
TJ k=TOP OF JOIST TO CENTERLINE OF PIPE
BJ k=BOTTOM OF JOIST TO CENTERLINE OF PIPE
BB k=BOTTOM OF BEAM TO CENTERLINE OF PIPE
ELEV k=CIVIL ELEVATION OF CENTERLINE OF PIPE

SYSTEM DESIGN

A WET PIPE SYSTEM OF AUTOMATIC SPRINKLERS TO BE DESIGNED AND INSTALLED PER NFPA 13 2016 ADDITION
ALL SPRINKLERS TO BE BASED ON ORDINARY HAZARD GROUP II

GENERAL NOTES

ALL DIMENSIONS ARE CENTER TO CENTER U/N
ALL THREADED PIPE TO BE SCH. 40 BLACK STEEL
ALL SCREWED FITTINGS TO BE STD. WT. C.I. BLACK U/N
ALL GROOVED PIPE TO BE SCH 10 BLACK STEEL

RESIDENTIAL FIRE
PROTECTION, LLC
PHONE: (207) 946-3473 FAX: (207) 946-3474
64 DAGGETT HILL ROAD GREENE, MAINE 04236

STANLEY J. CAMIC
NICET III -#78065

REVISION NUMBER	DATE			
		SURVEYED BY	SJC	10-6-17
		DRAWN BY	SJC	10-9-17
		REVIEWED BY	TPP	10-10-17
		SCALE 1/8"= 1'-0" U/N		
		SHEET NO. 1 OF 1		

TITLE
LIFE STORAGE
235 PRESUMPSCOT STREET
PORTLAND, MAINE

NO. OF SPRINKLERS SHOWN ON THIS SHEET: 213
NO. OF SPRINKLERS ON JOB: 213
CONTRACT NO.: C17026