

GENERAL NOTES: ALL NEW PIPING TO BE HYDROSTATICALLY TESTED AT NOT LESS THAN 200 PSI FOR 2 HOURS, OR AT 50 PSI IN EXCESS OF THE MAXIMUM PRESSURE, WHEN THE MAXIMUM PRESSURE TO BE MAINTAINED IS IN EXCESS OF 150 PSI, PER N.F.P.A. 13.

WHETHER OR NOT INDICATED ON THE DRAWINGS, THE FOLLOWING ITEMS ARE TO BE PROVIDED: SPARE HEAD CABINET WITH WRENCH PROVISIONS FOR FLUSHING CONNECTIONS AND DRAINING OF ALL PIPE INSPECTORS TEST CONNECTION FOR EACH SYSTEM

ALL PIPING 1¼" AND LARGER TO BE GROOVED, SCHEDULE 10 BLACK STEEL WITH GROOVED COUPLINGS

ALL PIPING 1" TO BE THREADED SCHEDULE 40 WITH CAST IRON SCREWED FITTINGS.

SYSTEM DESIGN AND INSTALLATION TO CONFORM WITH N.F.P.A. 13 AND ALL OTHER APPLICABLE CODES.

SYSTEM DESIGN CRITERIA: AREA 1 - LOW ROOF

AND FITTINGS AND WELDED OUTLETS.

REMOTE AREA BASED UPON N.F.P.A. 13 FOR LIGHT HAZARD Design Area No. 1 - LOW ROOF OCCUPANCY TO PROVIDE .10 GPM FOR THE MOST REMOTE 1500 SQ. FT. WITH 100 GPM HOSE ALLOWANCE. Flow 340.4 gpm @ 39.6 psi Includes 100 gpm Hose allowance

AREA 2 — HIGH ROOF

Density 0.1 Area 1500

Safety Factor 32.19 psi

Density 0.1 Area 1500

Safety Factor 13.76 psi

Density 0.1 Area 900

Safety Factor 17.30 psi

Flow 318.9 gpm @ 54.5 psi

Includes 100 gpm Hose allowance

REMOTE AREA BASED UPON N.F.P.A. 13 FOR LIGHT HAZARD Design Area No. 2 — HIGH ROOF OCCUPANCY TO PROVIDE .10 GPM FOR THE MOST REMOTE 1500 SQ. FT. Flow 286.1 gpm @ 58.1 psi WITH 100 GPM HOSE ALLOWANCE. Includes 100 gpm Hose allowance

AREA 3 — BELOW MEZZANINE Design Area No. 3 - BELOW MEZZANINE

REMOTE AREA BASED UPON N.F.P.A. 13 FOR LIGHT HAZARD OCCUPANCY TO PROVIDE .10 GPM FOR THE MOST REMOTE 900 SQ. FT. (NFPA 13-2010, FIGURE 11.2.3.2.3.1) QUICK RESPONSE SPRINKLERS WITH 100 GPM HOSE ALLOWANCE.

ALL SYSTEM PIPING TO BE HUNG PER N.F.P.A. 13.

PLANS ARE SUBJECT TO MINOR DEVIATIONS ARISING FROM FIELD CONDITIONS AND/OR COORDINATION. MINOR DEVIATIONS WILL NOT AFFECT CODE COMPLIANCE OR SCOPE OF WORK.

SEISMIC BRACING WILL BE PROVIDED PER NFPA 13.

ALL WIRING TO BE DONE BY OTHERS.

ALL UNDERGROUND WORK TO BE DONE BY OTHERS.

PAINTING OF PIPE OR EQUIPMENT TO BE DONE BY OTHERS.

A MINIMUM OF 18" CLEARANCE MUST BE PROVIDED BETWEEN THE SPRINKLER DEFLECTOR AND THE TOP OF ALL STORAGE.

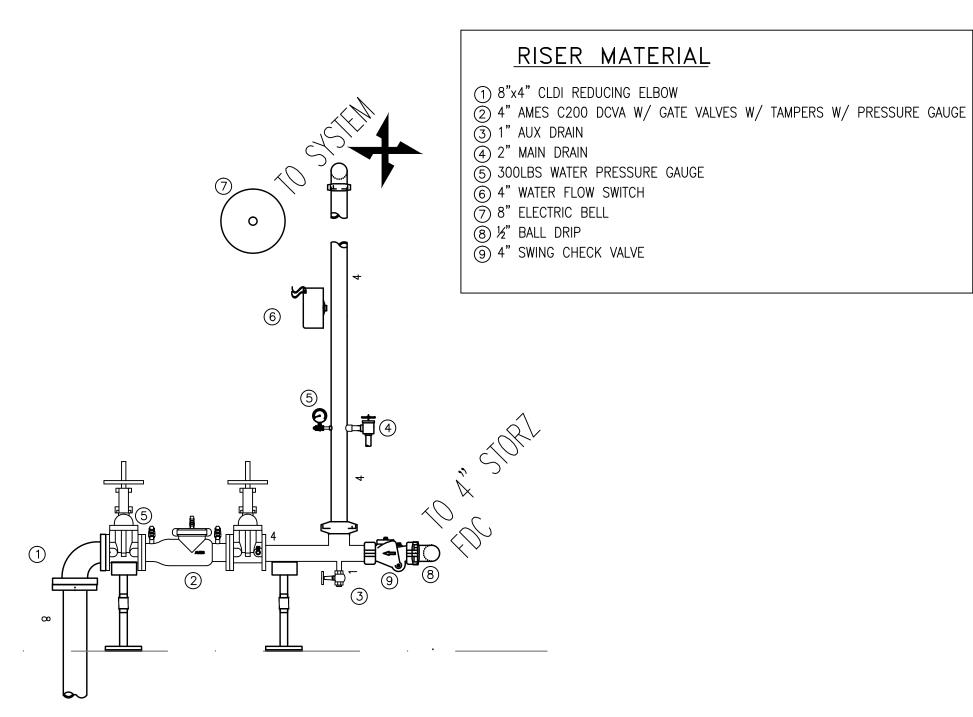
ALL PLANS AND HYDRAULIC CALCULATIONS REVIEWED BY DON MCALLISTER, NICET LEVEL IV, CERT #078231.

RESPONSIBLE MANAGING SUPERVISOR: BRIAN BENOIT, LICENSE #280

SPRINKLER COVERAGE FOR ROCK WALL TO BE SUBMITTED AT LATER DATE.

OWNER TO PROVIDE ADEQUATE HEAT TO ALL AREAS OF THE BUILDING THAT CONTAIN WET SPRINKLER PIPING. HAMPSHIRE FIRE PROTECTION CO. INC. WILL NOT BE HELD LIABLE, NOW, NOR IN THE FUTURE, FOR ANY DAMAGES THAT ARISE DUE TO THE FREEZING, AND SUBSEQUENT BURSTING OF WATER FILLED SPRINKLER PIPING.

WORK DOES NOT INCLUDE COVERAGE FOR CLIMBING STRUCTURE. COVERAGE FOR THE CLIMBING STRUCTURE WILL BE DONE AT A LATER DATE, AND WILL BE PROVIDED WITH RECORD DRAWINGS.



F.F. ELEV= 105'-0" 6" B.F.F. ENTRY BLDG. REF E CROSS SECTION - 1 C.S.

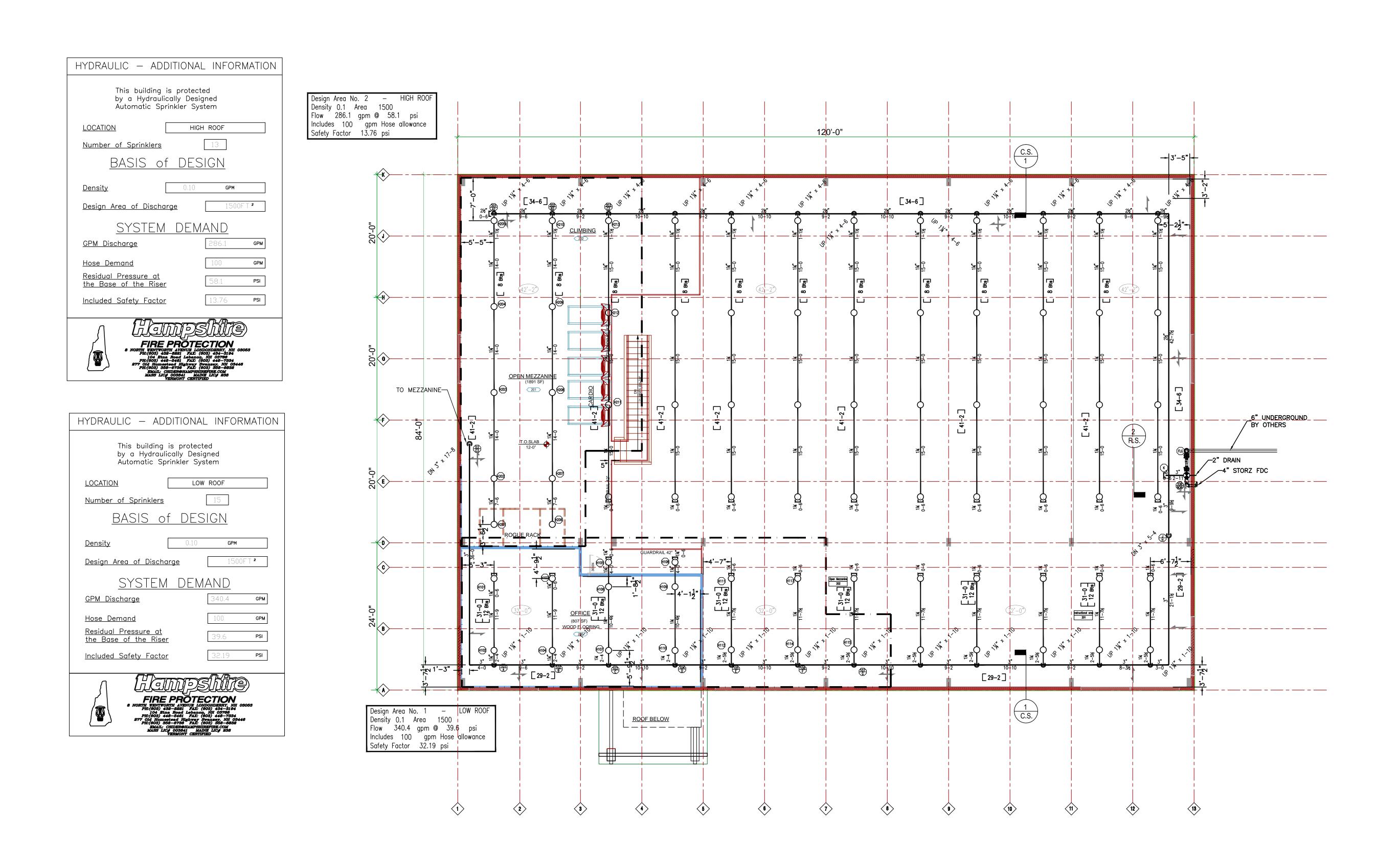
RISER DETAIL - 2 R.S. SCALE: 1/2" = 1'-0"

NTS

SITE PLAN NTS



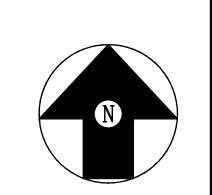
WATER SUPPLY DATASPRINKLERSStatic pressure72 psiTotal This Sheet 0Total This Job 107		Drawing GENERAL NOTES AND DETAILS			Project: EVOLUTION ROCKS PORTLAND	FIRE PROTECTION ENGINEER STAME	
Residual pressure 70 psi	Symbol	Description	G.,, I., I. V. 4490 OMF	Revisions:	Date:		
Flow 1255 gpm			Contract No.4480 CME	1		65 WARREN AVE	
Location HYD 01318			Durana Dar GDAIG G	2		PORTLAND, ME, 04103	
Elevation -9'-0"			Drawn By CRAIG S.	3		TOTTIMIND, MID, OTTOO	
Date 5/2/2013 Time N/A			a Ag Mampa	4		Contract with:	
nformation by PORTLAND WD			Scale AS NOTED	5		FLYNN CONSTRUCTION CORPORATION	
			2 /2 /22 /	6			
			Date 6/9/2014	7		17 OLD NASHUA ROAD, SUITE 15	
			STATE OF MAINE			AMHERST, NH 03031	
			Approval By STATE OF MAINE PORTLAND FD				



ROOF FP PLAN

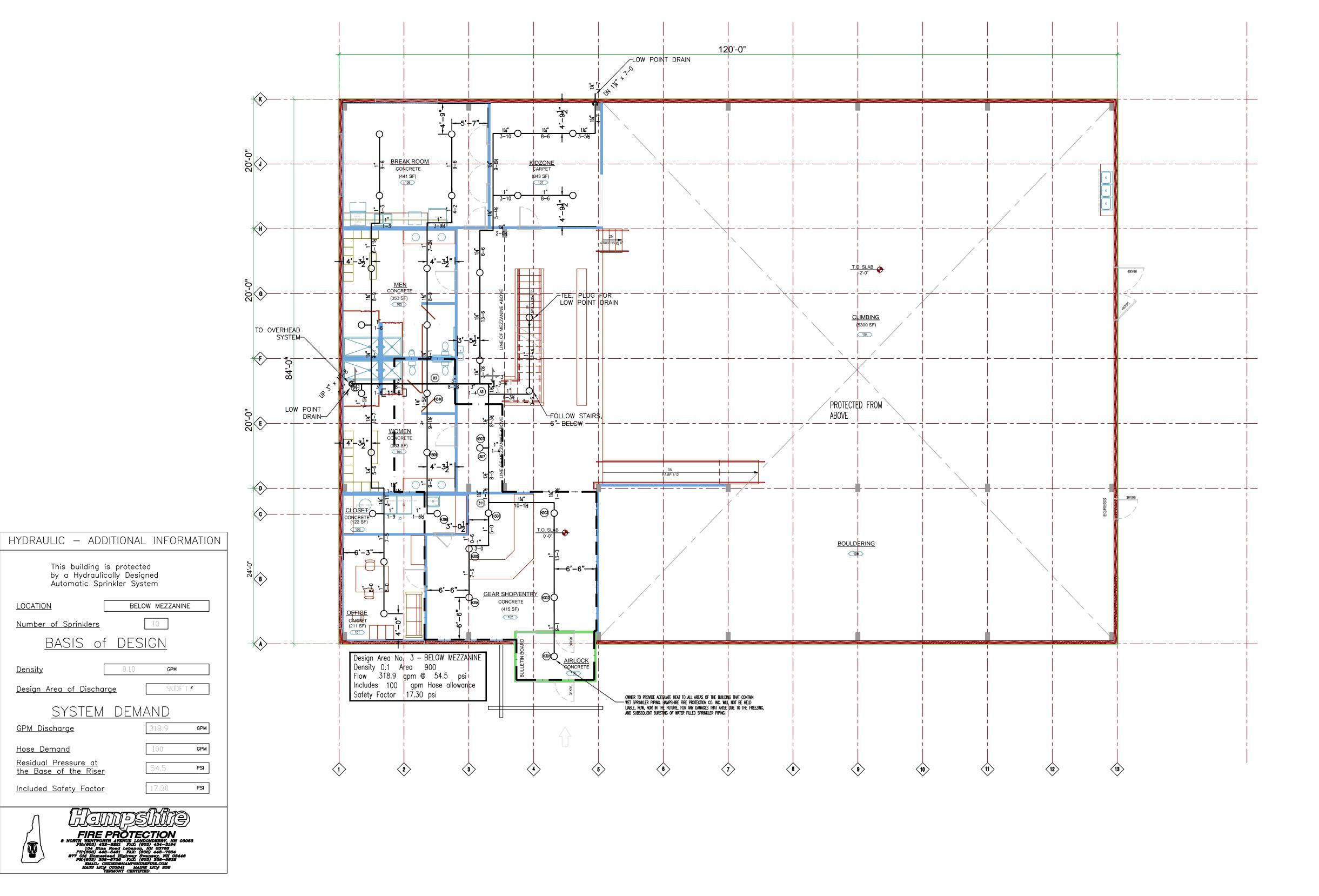
SCALE: 1/8" = 1'-0"

4'
0'
8'

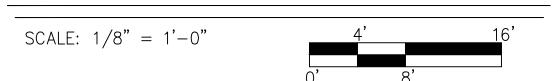


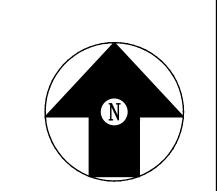


WATER SUPPLY DATA SPRINKLERS		Drawing ROOF LEVEL FP PLAN			Project:	FIRE PROTECTION ENGINEER
Static pressure 72 psi	Total This Sheet 76 Total This Job 107	Title ROOF LEVEL FP PLAN			EVOLUTION ROCKS PORTLAND	
Residual pressure 70 psi	Symbol Description	G 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Revisions:	Date:		
Flow 1255 gpm	O 76 (1/2",K=5.6) RELIABLE F1FR56 155° BRASS QR SSU (SIN: RA1425)	Contract No.4480 CME	1		65 WARREN AVE	
Location HYD 01318		Drawn By CRAIG S.	2		PORTLAND, ME, 04103	
Elevation -9'-0"			3		1 Olvimind, Mill, Olioo	
Date 5/2/2013 Time N/A		Scale 1/8" = 1'-0"	4		Contract with:	
Information by PORTLAND WD			5		FLYNN CONSTRUCTION CORPORATION	
		Date 6/9/2014	6			
		Date 6/9/2014	7		17 OLD NASHUA ROAD, SUITE 15	
		Approval By STATE OF MAINE PORTLAND FD			AMHERST, NH 03031	
		APPIOVAL BY PORTLAND FD			, '	



BELOW MEZZANINE FP PLAN







This building is protected by a Hydraulically Designed Automatic Sprinkler System

SYSTEM DEMAND

<u>LOCATION</u>

<u>Density</u>

<u>GPM Discharge</u>

<u>Hose Demand</u>

Residual Pressure at the Base of the Riser

Included Safety Factor

Number of Sprinklers

Design Area of Discharge

WATER SUPPLY DATA	SPRINKLERS Total This Sheet 31 Total This Job 107	Drawing MEZZANINE FP	PLAN	Troject.	FIRE PROTECTION ENGINEER STAMP
Static pressure 72 psi Residual pressure 70 psi Flow 1255 gpm	Total This Sheet 31 Total This Job 107 Symbol Description	Contract No.4480 CME	Revisions: Date:	EVOLUTION ROCKS PORTLAND 65 WARREN AVE	
Location HYD 01318 Elevation -9'-0"	O 31 (1/2",K=5.6) RELIABLE F1FR56 155° BRASS QR SSU (SIN: RA1425)	Drawn By CRAIG S.	2 3	PORTLAND, ME, 04103	
Date 5/2/2013 Time N/A Information by PORTLAND WD		Scale 1/8" = 1'-0"	5	Contract with: FLYNN CONSTRUCTION CORPORATION	
		Date 6/9/2014	6 7	17 OLD NASHUA ROAD, SUITE 15	c
		Approval By STATE OF MAINE PORTLAND FD		AMHERST, NH 03031	[F