

3RD FLOOR PAVILION A  
TRAINING FACILITY  
SCALE 1/4" = 1'-0"

CALC: C1280.WXF  
3RD FLOOR PAVILION

HYDRAULIC DATA:

BASIS OF DESIGN:

DENSITY	AREA OF COVERAGE
0.10	980

TOTAL ORIFICE TEMP

SPRINKLERS 09 1/2" 155"

SYSTEM DEMAND:

PRESSURE	FLOW	HOSE
143.988	263.951	100

SAFETY MARGIN 22.49 PSI  
OCCUPANCY: LIGHT

SYSTEM CLASSIFICATION

AN EXISTING WET PIPE SYSTEM OF AUTOMATIC SPRINKLERS TO BE REWORKED, AND MODIFIED TO BRING TO CODE WITH NEW CONSTRUCTION, AND AREAS THAT ARE CURRENTLY NOT PROTECTED. THE EXISTING SYSTEM CONSISTS OF 4 HEADS AND COVERS 3 ROOMS ON THE OPPOSITE SIDE OF THE CORRIDOR. NEW CONSTRUCTION WILL ADD COVERAGE TO RENOVATED OFFICES AS LIGHT HAZARD. ALL WORK DONE IS TO BE IN ACCORDANCE WITH NFPA-13, AND THE AUTHORITY HAVING JURISDICTION, PORTLAND FIRE DEPARTMENT.

SCOPE OF WORK

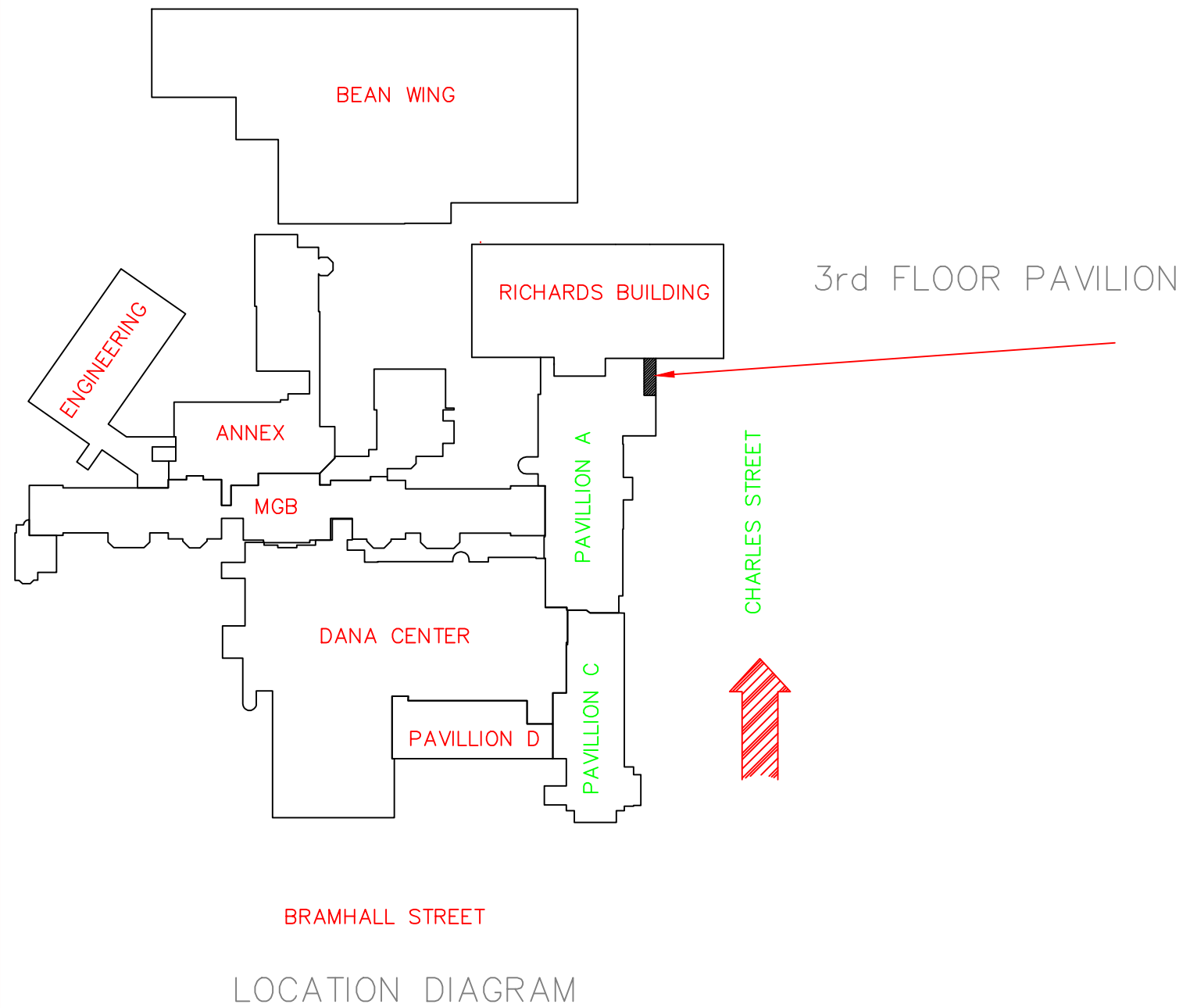
ADD NEW COVERAGE IN NEWLY RENOVATED 3RD FLOOR PAVILION TRAINING FACILITY, CONSISTING OF 18 PENDENT HEADS, TYING INTO EXISTING STANDPIPE. HYDRAULIC CALCULATIONS WILL BE DONE TO ALLOW FOR FUTURE EXPANSION OF THE SYSTEM TO THE REMAINDER OF THE WING.

GENERAL NOTES

ALL THREADED PIPE TO BE SCH. 40 BLACK STEEL U/N  
ALL GROOVED PIPE IS TO BE SCH. 10 BLACK STEEL U/N  
ALL THREADED PIPE FITTINGS ARE TO BE BLACK CAST IRON, CLASS 125 U/N  
DIMENSIONS SHOWN ON THREADED PIPE ARE CENTER TO CENTER U/N  
DIMENSIONS SHOWN ON GROOVED PIPE ARE "CUT" LENGTHS U/N  
PENDENT SPRINKLERS IN ACOUSTIC TILE CEILINGS ARE TO BE LOCATED IN THE CENTER OF THE CEILING TILE  
SUFFICIENT HEAT TO PREVENT FREEZING OF THE WET SPRINKLER SYSTEM IS REQUIRED TO BE FURNISHED BY THE BUYER/OWNER.

LEGEND

- PENDENT HEAD ON A DROP
- THREADED UNION/COUPLING
- RISE OR DROP
- GROOVED COUPLING
- CEILING HEIGHT
- EXISTING SPRINKLER PIPE
- NEW SPRINKLER PIPE
- PIPE ELEVATION OFF FINISH FLOOR
- PIPE ELEVATION DOWN FROM DECK



- 18 RELIABLE MODEL F1FR56 PENDENT
- 155' SEMI RECESSED WHITE QUICK RESPONSE, STANDARD COVERAGE K=5.6, 1/2" NPT, SIN RA1425

 SCALE 3/32"=1'-0"		 SCALE 1/8"=1'-0"		 SCALE 1/16"=1'-0"		 SCALE 1/4"=1'-0"		DANA A. STEWART NICET IV - #064544		DRAWING TITLE: SPRINKLER LAYOUT		SUBMITAL	
APPROVED BY	DATE	SURVEYED BY	SEC	DATE	DRAWN BY	SEC	DATE	JOB:		NO. OF SPRINKLERS SHOWN ON THIS SHEET		NO. OF SPRINKLERS ON JOB	
								MAINE MEDICAL CENTER		18		18	
								BRAMHALL TEAM TRAINING FACILITY					
								22 BRAMHALL STREET PAVILION A					
								PORTLAND, MAINE					
								CONTRACT WITH: HEBERT CONSTRUCTION				CONTRACT NO.	
												C151280	

**DEAN & ALLYN, INC.**  
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