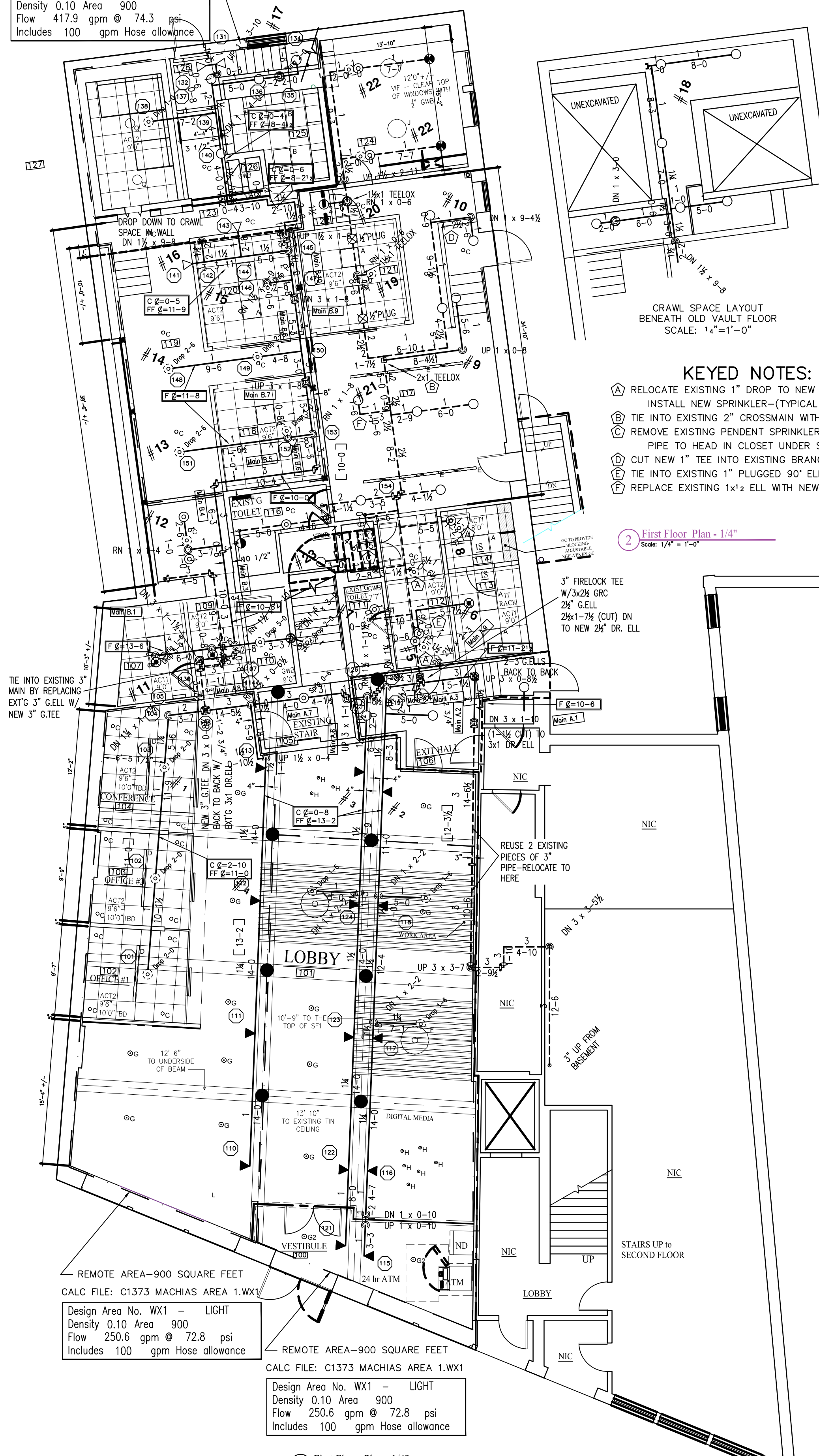


REMOTE AREA-900 SQUARE FEET  
CALC FILE: C1373 MACHIAS AREA 3.WX3  
Design Area No. WX3 - LIGHT  
Density 0.10 Area 900  
Flow 417.9 gpm @ 74.3 psi  
Includes 100 gpm Hose allowance



- KEYED NOTES:**
- (A) RELOCATE EXISTING 1" DROP TO NEW CEILING TILE AS SHOWN. INSTALL NEW SPRINKLER-(TYPICAL UNLESS NOTED).
  - (B) TIE INTO EXISTING 2" CROSSMAIN WITH A 2X1 TEELOX.
  - (C) REMOVE EXISTING PENDENT SPRINKLER AND 1" DROP. RUN NEW PIPE TO HEAD IN CLOSET UNDER STAIRS.
  - (D) CUT NEW 1" TEE INTO EXISTING BRANCHLINE.
  - (E) TIE INTO EXISTING 1" PLUGGED 90° ELL.
  - (F) REPLACE EXISTING 1x2 ELL WITH NEW 1" ELL.

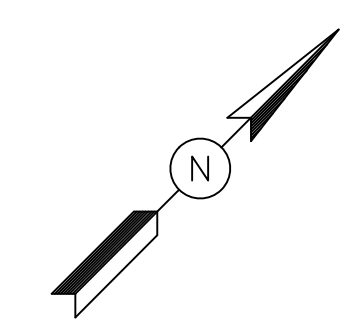
2 First Floor Plan - 1/4"  
Scale: 1/4" = 1'-0"

REMOTE AREA-900 SQUARE FEET  
CALC FILE: C1373 MACHIAS AREA 1.WX1  
Design Area No. WX1 - LIGHT  
Density 0.10 Area 900  
Flow 250.6 gpm @ 72.8 psi  
Includes 100 gpm Hose allowance

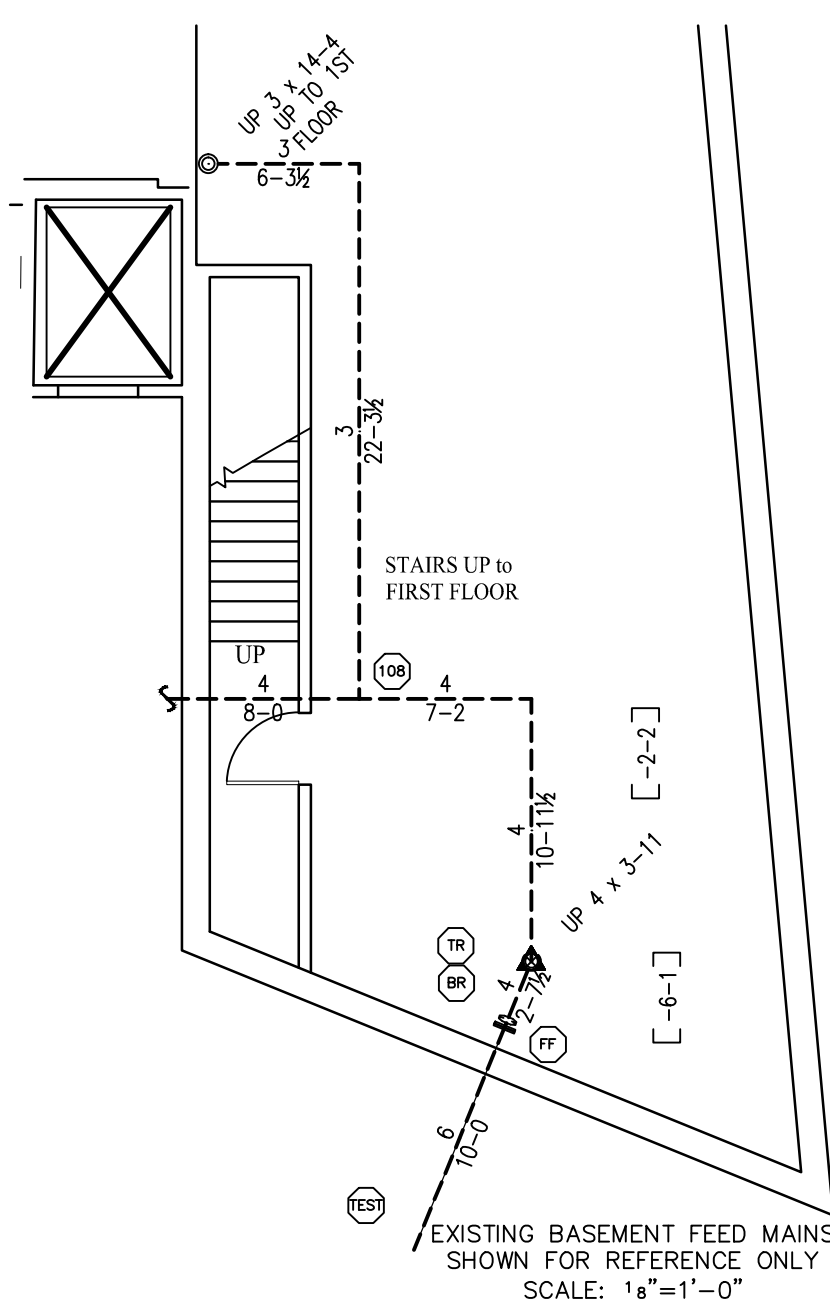
REMOTE AREA-900 SQUARE FEET  
CALC FILE: C1373 MACHIAS AREA 1.WX1  
Design Area No. WX1 - LIGHT  
Density 0.10 Area 900  
Flow 250.6 gpm @ 72.8 psi  
Includes 100 gpm Hose allowance

1 First Floor Plan - 1/4"  
Scale: 1/4" = 1'-0"

- |    |  |    |   |
|----|--|----|---|
| 28 | RELIABLE MODEL F1FR56 BRASS UPRIGHT<br>155° QUICK RESPONSE, STANDARD COVERAGE<br>K=5.6, 1/2" NPT, SIN RA1425           | 4  | RELIABLE MODEL F1FR56 HORIZONTAL SIDEWALL<br>155° QUICK RESPONSE, STANDARD COVERAGE<br>WHITE, K=5.6, 1/2" NPT, SIN RA1435   |
| 27 | RELIABLE MODEL F1FR56 RECESSED PENDENT<br>155° QUICK RESPONSE, STANDARD COVERAGE<br>WHITE, K=5.6, 1/2" NPT, SIN RA1414 | 14 | RELIABLE MODEL F1FR QREC HORIZONTAL SIDEWALL<br>155° QUICK RESPONSE, EXTENDED COVERAGE<br>WHITE, K=8.0, 3/4" NPT, SIN R4862 |



CRAWL SPACE LAYOUT  
BENEATH OLD VAULT FLOOR  
SCALE: 1/4" = 1'-0"



EXISTING BASEMENT FEED MAINS  
SHOWN FOR REFERENCE ONLY  
SCALE: 1/8" = 1'-0"

**LEGEND:**

- UPRIGHT SPRINKLER ON A BRANCH LINE
- ⊙ UPRIGHT SPRINKLER ON A 1" SPRIG
- ⊖ RECESSED PENDENT SPRINKLER ON A 1" DROP
- △ HORIZONTAL SIDEWALL SPRINKLER
- RISE OR DROP
- GROOVED RIGID COUPLING
- ⊗ HYDRAULIC REFERENCE POINT
- ⊗-X" CEILING HEIGHT
- HANGER

- F ⊘ = X'-X" FINISHED FLOOR TO PIPE CENTERLINE
- C ⊘ = X'-X" CEILING TO PIPE CENTERLINE
- CTE CONNECT TO EXISTING
- - - EXISTING PIPE SHOWN DOTTED
- NEW PIPE SHOWN SOLID

**GENERAL NOTES:**

ALL 1" TO 2" THREADED PIPE IS TO BE SCH. 40 BLACK STEEL U/N.  
ALL 2" TO 3" 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 CENTERED IN TILES UNLESS NOTED.  
SUFFICIENT HEAT TO PREVENT FREEZING OF THE WET PIPE SPRINKLER SYSTEM IS REQUIRED TO BE FURNISHED BY THE BUYER/OWNER.

**SCOPE OF WORK:**

REWORK EXISTING WET PIPE SYSTEM OF AUTOMATIC SPRINKLERS IN RENOVATED BANK SPACE TO ACCOMMODATE NEW PARTITION LAYOUT. SYSTEM IS DESIGNED IN ACCORDANCE WITH NFPA-13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2016 EDITION, FOR LIGHT HAZARD OCCUPANCY. SYSTEM IS HYDRAULICALLY CALCULATED TO PROVIDE A DENSITY OF 0.10 GPM PER SQUARE FOOT OVER THE MOST REMOTE 900 SQUARE FEET, WITH A HOSE ALLOWANCE OF 100 GPM.

FIRE PROTECTION SUBCONTRACTOR: DEAN & ALLYN, INC.  
STATE OF MAINE CONTRACTOR'S LICENSE NUMBER FSC262  
EXPIRATION DATE: JUNE 30, 2017

WORKING DRAWINGS PREPARED BY:  
THEODORE E. CLARKE  
NICET LEVEL IV  
CERTIFICATION #71654  
STATE OF MAINE RMS LICENSE NUMBER RMS208  
EXPIRATION DATE: JUNE 30, 2017

**DEAN & ALLYN, INC.**

**FIRE PROTECTION - SPECIAL HAZARD**  
116 LEWISTON ROAD, GRAY, MAINE 04039  
(207)657-5646 FAX:(207)657-5647

		DANA A. STEWART NICET IV - #064544		DRAWING TITLE: <b>OVERALL SPRINKLER LAYOUT</b>		REV. 0	
DATE	SURVEYED BY	TEC	10/17/16	JOB:		NO. OF SPRINKLERS SHOWN ON THIS SHEET	
APPROVED BY	DRAWN BY	TEC	10/31/16	MACHIAS SAVINGS BANK		73	
	CHECKED BY	DAS		193 MIDDLE STREET		NO. OF SPRINKLERS ON JOB	
	AT DEAN & ALLYN, INC			PORTLAND, MAINE 04101		73	
	SCALE 1/8"=1'-0" U/N			CONTRACT WITH: CAP SERVICES, LLC		CONTRACT NO.	
	SHEET NO. FP-001			49 BRUCE HILL ROAD, CUMBERLAND, MAINE 04021		C161373	