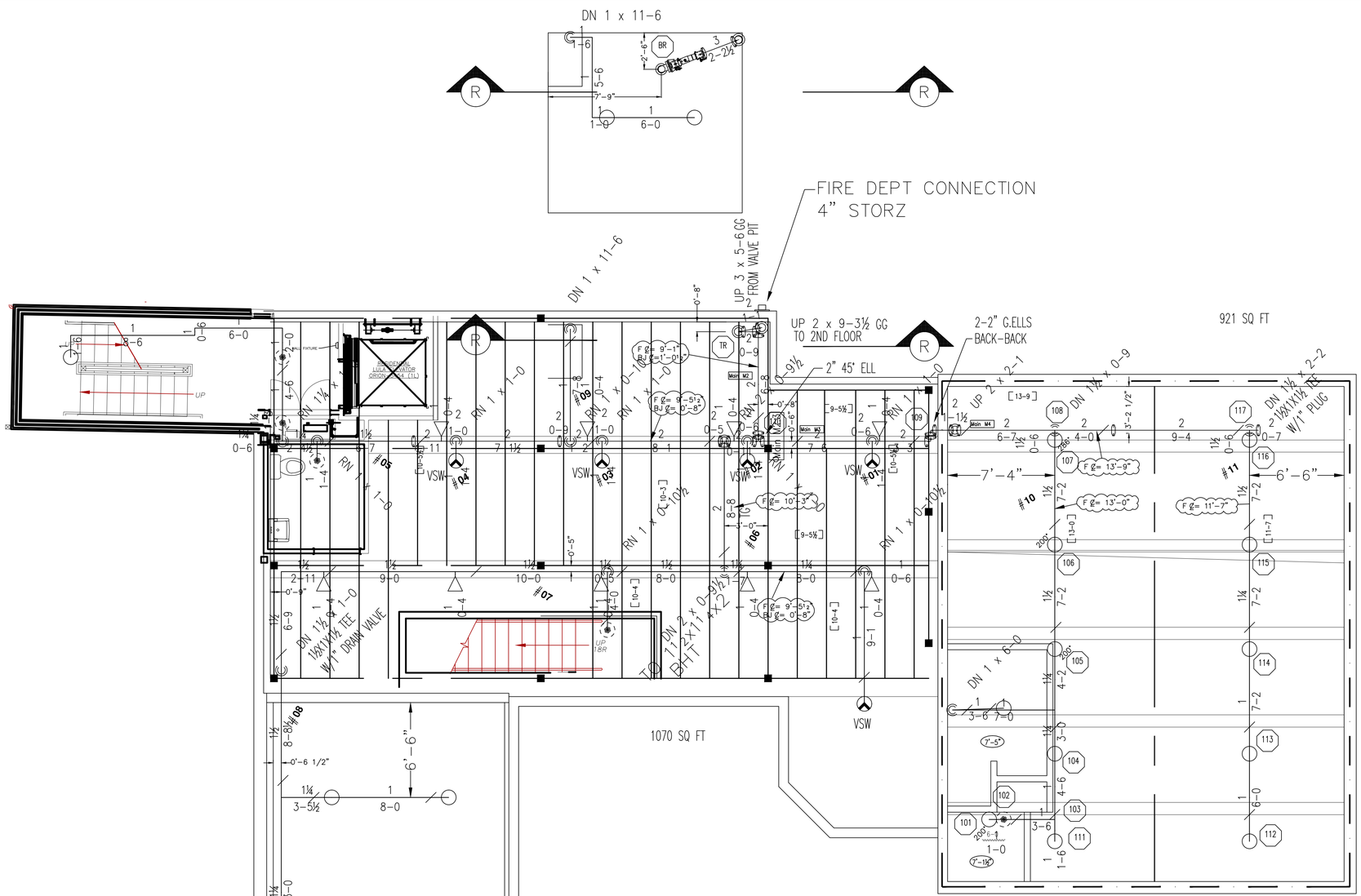

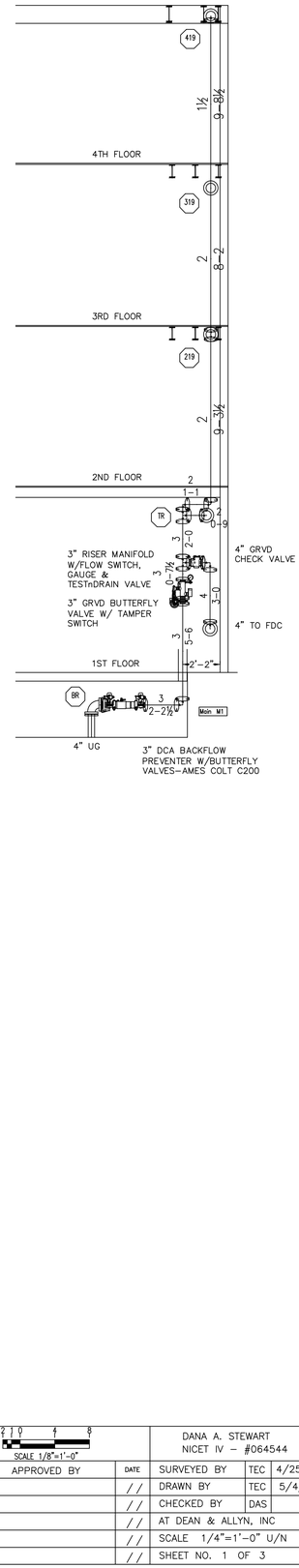

LEGEND:

- UPRIGHT SPRINKLER ON A BRANCH LINE
- COMMERCIAL RECESSED PENDENT SPRINKLER ON A 1" DROP
- COMMERCIAL RECESSED HORIZONTAL SIDEWALL SPRINKLER
- COMMERCIAL VERTICAL SIDEWALL SPRINKLER ON A 1" DROP
- RESIDENTIAL RECESSED HORIZONTAL SIDEWALL SPRINKLER
- RESIDENTIAL RECESSED PENDENT SPRINKLER ON A 1" DROP
- RISE OR DROP
- GROOVED COUPLING
- XX HYDRAULIC REFERENCE POINT
- 0-0 CEILING HEIGHT
- HANGER

F ℄= X'-X" FINISHED FLOOR TO PIPE CENTERLINE
BJ ℄= X'-X" BOTTOM OF JOIST TO PIPE CENTERLINE
BB ℄= X'-X" BOTTOM OF BEAM TO PIPE CENTERLINE
C ℄= X'-X" CEILING TO PIPE CENTERLINE

GENERAL NOTES:

ALL THREADED PIPE IS 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 NOT LOCATED IN THE CENTER OF 2X2 AND 2X4 CEILING TILE MODULES.
SUFFICIENT HEAT TO PREVENT FREEZING OF THE WET SPRINKLER SYSTEM IS REQUIRED TO BE FURNISHED BY THE BUYER/OWNER.

SYSTEM CLASSIFICATION:

A WET PIPE SYSTEM OF AUTOMATIC SPRINKLERS DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA-13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2010 EDITION AND NFPA-13R, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS IN RESIDENTIAL OCCUPANCIES UP TO AND INCLUDING FOUR STORIES IN HEIGHT, 2007 EDITION.
FIRST FLOOR: RETAIL
HYDRAULICALLY CALCULATED TO PROVIDE A DENSITY OF 0.20 GPM PER SQUARE FOOT OVER THE AREA OF THE LARGEST ROOM, WITH AN ALLOWANCE OF 250 GPM FOR HOSE STREAMS.
SECOND FLOOR: OFFICES/STORAGE
HYDRAULICALLY CALCULATED TO PROVIDE A DENSITY OF 0.15 GPM PER SQUARE FOOT OVER THE AREA OF THE LARGEST ROOM, WITH AN ALLOWANCE OF 250 GPM FOR HOSE STREAMS.
THIRD AND FOURTH FLOORS: APARTMENT-RESIDENTIAL
HYDRAULICALLY CALCULATED TO PROVIDE A DENSITY OF 0.05 GPM PER SQUARE FOOT OVER THE AREA PROTECTED BY THE MOST DEMANDING FOUR SPRINKLERS.

CALC FILE: C1003 1ST FLOOR AREA 1.WX3

Design Area No. WX3	-	OH 2	
Density 0.20	Area	LARGEST ROOM	
Flow 506.1	gpm @	74.6	psi
Includes 250	gpm Hose allowance		

15 / 155° VIKING MICROFAST BRASS UPRIGHT
QUICK RESPONSE, STANDARD COVERAGE
K=5.6, 1/2" NPT, SIN VK300

3 / 200° VIKING MICROFAST BRASS UPRIGHT
QUICK RESPONSE, STANDARD COVERAGE
K=5.6, 1/2" NPT, SIN VK300

1 / 286° VIKING MICROFAST BRASS UPRIGHT
QUICK RESPONSE, STANDARD COVERAGE
K=5.6, 1/2" NPT, SIN VK300

9 / 155° VIKING MICROFAST HORIZONTAL SIDEWALL
QUICK RESPONSE, STANDARD COVERAGE
WHITE, K=5.6, 1/2" NPT, SIN VK305
W/ MODEL E-1 RECESSED ESCUTCHEON

4 / 155° VIKING MICROFAST RECESSED PENDENT
QUICK RESPONSE, STANDARD COVERAGE
WHITE, K=5.6, 1/2" NPT, SIN VK302
W/ MODEL E-1 RECESSED ESCUTCHEON

5 / 155° VIKING MICROFAST VERTICAL SIDEWALL
QUICK RESPONSE, STANDARD COVERAGE
WHITE, K=5.6, 1/2" NPT, SIN VK306
W/ TYPE B FLAT ESCUTCHEON

DEAN & ALLYN, INC.
FIRE PROTECTION · SPECIAL HAZARD
PO BOX 709, GRAY, MAINE 04039
(207)657-5646 FAX:(207)657-5647

SCALE 1/4"=1'-0" | SCALE 1/8"=1'-0"

				APPROVED BY	DATE	SURVEYED BY	TEC 4/25/11
					/ /	DRAWN BY	TEC 5/4/11
					/ /	CHECKED BY	DAS
					/ /	AT DEAN & ALLYN, INC	
		⓪ SUBMIT FOR APPROVAL	5/4/11		/ /	SCALE 1/4"=1'-0" U/N	
		REVISIONS	DATE		/ /	SHEET NO. 1 OF 3	

DANA A. STEWART
NICET IV - #064544

DRAWING TITLE: SPRINKLER LAYOUT FIRST FLOOR

REV. 0

JOB: 61 INDIA STREET PORTLAND, MAINE

NO. OF SPRINKLERS SHOWN ON THIS SHEET: 37

NO. OF SPRINKLERS ON JOB: 82

CONTRACT WITH: JOSEPH REYNOLDS
198 TUTTLE ROAD, CUMBERLAND, MAINE 04021

CONTRACT NO. C111003