

**FITTER'S NOTES
2ND FLOOR EAST:**

ALL PENDENT HEADS ARE TO BE CENTERED IN THE A.C.T. ALL PENDENTS ARE 36" OR 48" FLEXHEADS. IN THIS AREA THERE ARE 93 36" FLEXHEADS AND 102 48" FLEXHEADS. 125 OF THE FLEXHEADS ON THIS FLOOR CAN BE TIED DIRECTLY INTO EXISTING OUTLETS AND THERE ARE 70 THAT REQUIRE ARMOVERS AS NOTED ON THE DRAWING. LINES REQUIRING TIE IN BY MECHANICAL TEES ARE DENOTED ON THE DRAWING.

LEGEND:

- CONCEALED PENDENT HEAD ON A 1" FLEXHEAD
 - ⊙ UPRIGHT HEAD ON A 1" SPRIG FOR ABOVE CEILING PROTECTION
 - MECH. TEE
 - ⊖ RISE OR DROP
 - ⊕ GROOVED RIGID COUPLING
 - ⊗ CEILING HEIGHT
 - HANGER
 - - - EXISTING PIPE
 - NEW PIPE
- F $\varnothing = X'-X"$ FINISHED FLOOR TO PIPE CENTERLINE
 C $\varnothing = X'-X"$ CEILING TO PIPE CENTERLINE
 D $\varnothing = X'-X"$ CONCRETE DECK TO PIPE CENTERLINE
 CTE CONNECT TO EXISTING

GENERAL NOTES:

ALL 1" THREADED PIPE IS TO BE DOMESTIC SCH. 40 BLACK STEEL.
 ALL THREADED PIPE FITTINGS ARE TO BE DOMESTIC BLACK CAST IRON, CLASS 125.
 PIPE LENGTHS SHOWN ON THREADED PIPE ARE CENTER TO CENTER UNLESS NOTED.
 DIMENSIONS SHOWN ON THREADED PIPE ARE CENTER TO CENTER U/N.
 UPRIGHT HEADS SURROUNDING MONUMENTAL STAIRS ARE FOR WATER CURTAIN.
 PENDENT SPRINKLERS IN ACOUSTIC CEILING TILE ARE TO BE CENTERED IN THE TILE.
 ALL PENDENT SPRINKLERS ARE FLEXHEADS OUT OF EXISTING OUTLETS OR FLEXHEADS ON SMALL ARMOVERS OUT OF EXISTING OUTLETS.
 SUFFICIENT HEAT TO PREVENT FREEZING OF THE WET PIPE SPRINKLER SYSTEM IS REQUIRED TO BE FURNISHED BY THE BUYER/OWNER.

SYSTEM CLASSIFICATION:

THE EXISTING WET PIPE SYSTEM OF AUTOMATIC SPRINKLERS IS DESIGNED FOR LIGHT HAZARD OCCUPANCY IN ACCORDANCE WITH NFPA-13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2016 EDITION.

SCOPE OF WORK:

A HEAD RELOCATION OF THE EXISTING WET PIPE SYSTEM OF AUTOMATIC SPRINKLERS IN THE RENOVATED 1ST AND 2ND FLOORS PER NEW PARTITION AND CEILING LAYOUT. A WATER CURTAIN TO PROTECT THE MONUMENTAL STAIR SYSTEM IS DESIGNED IN ACCORDANCE WITH NFPA-13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2016 EDITION.

**HEAD LEGEND
2ND FLOOR EAST:**

- 195 RELIABLE MODEL G5-56 CONCEALED PENDENT
- 135' QUICK RESPONSE, STANDARD COVERAGE WHITE, 135°F WHITE COVER PLATE K=5.6, 1/2" NPT", SIN RA3415
- 25 RELIABLE MODEL F1FR56 BRASS UPRIGHT
- 155' QUICK RESPONSE, STANDARD COVERAGE K=5.6, 1/2" NPT, SIN RA1425

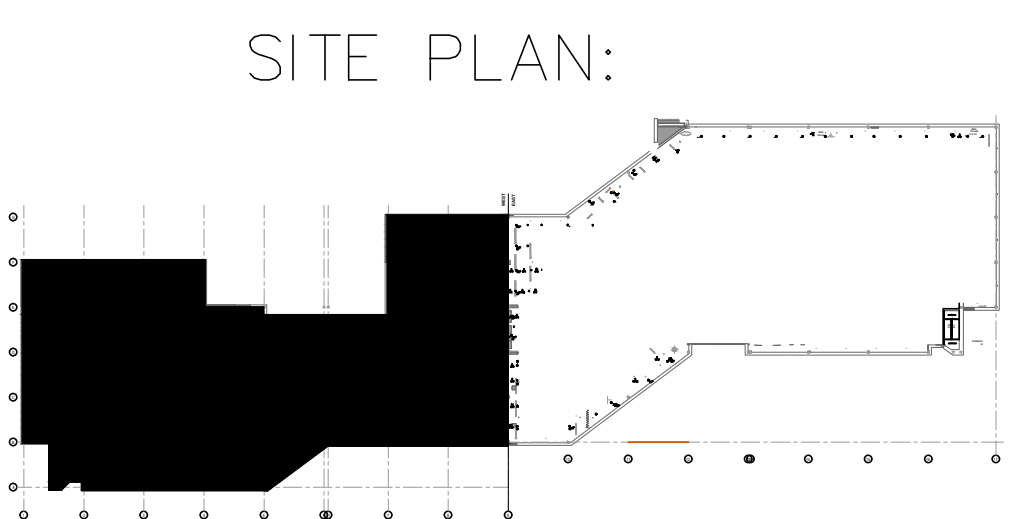
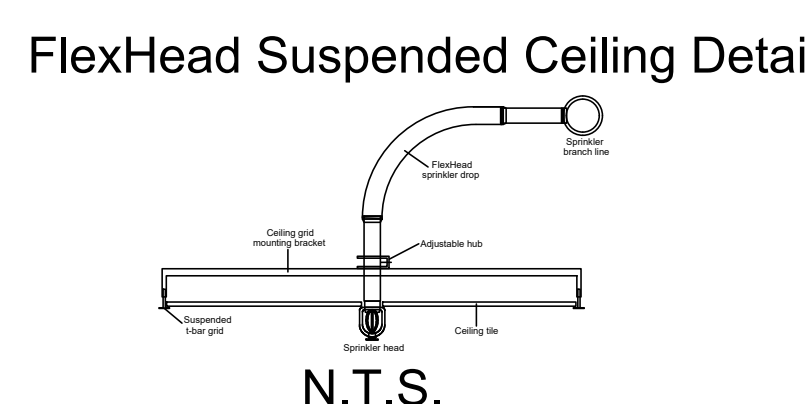
DEAN & ALLYN, INC.
 FIRE PROTECTION • SPECIAL HAZARD
 116 LEWISTON ROAD, GRAY, MAINE 04039
 207/657-5646 FAX 207/657-5647

DRAWING TITLE: SECOND FLOOR EAST FIRE PROTECTION PLAN		REV. 0
JOB: UNUM-HOME OFFICE 2 2211 CONGRESS STREET PORTLAND, ME 04122		NO. OF SPRINKLERS SHOWN ON THIS SHEET 220
CONTRACT WITH: CONSIGLI CONSTRUCTION 15 FRANKLIN ST. PORTLAND, ME 04101		NO. OF SPRINKLERS ON JOB 827
DATE SURVEYED BY: 11/6/17 DAN A. STEWART NICET IV - #064544		CONTRACT NO. C171470
DATE DRAWN BY: 11/21/17 ZJG		
DATE CHECKED BY: 11/28/17 CAS		
DATE AT DEAN & ALLYN, INC.		
SCALE 1/8"=1'-0" U/N		
SHEET NO. 5 OF 5		



Hydraulic Calculation Data

Design Area Number:	Area 2
Design Area Location:	2nd Floor Monumental Stair
Hazard/Occupancy:	Light Hazard
Design Density:	0.1
Design Area:	1518
Number of Sprinklers in Design Area:	18
System Flow:	521.23
System Pressure:	60.030
Hose Allowance (Included):	100



SCALE 3/32"=1'-0"	SCALE 1/8"=1'-0"	SCALE 3/16"=1'-0"	SCALE 1/4"=1'-0"	SCALE 3/8"=1'-0"
DATE	SURVEYED BY	DRAWN BY	CHECKED BY	AT DEAN & ALLYN, INC.
APPROVED BY	DATE	DATE	DATE	DATE
SUBMIT FOR APPROVAL		DATE		