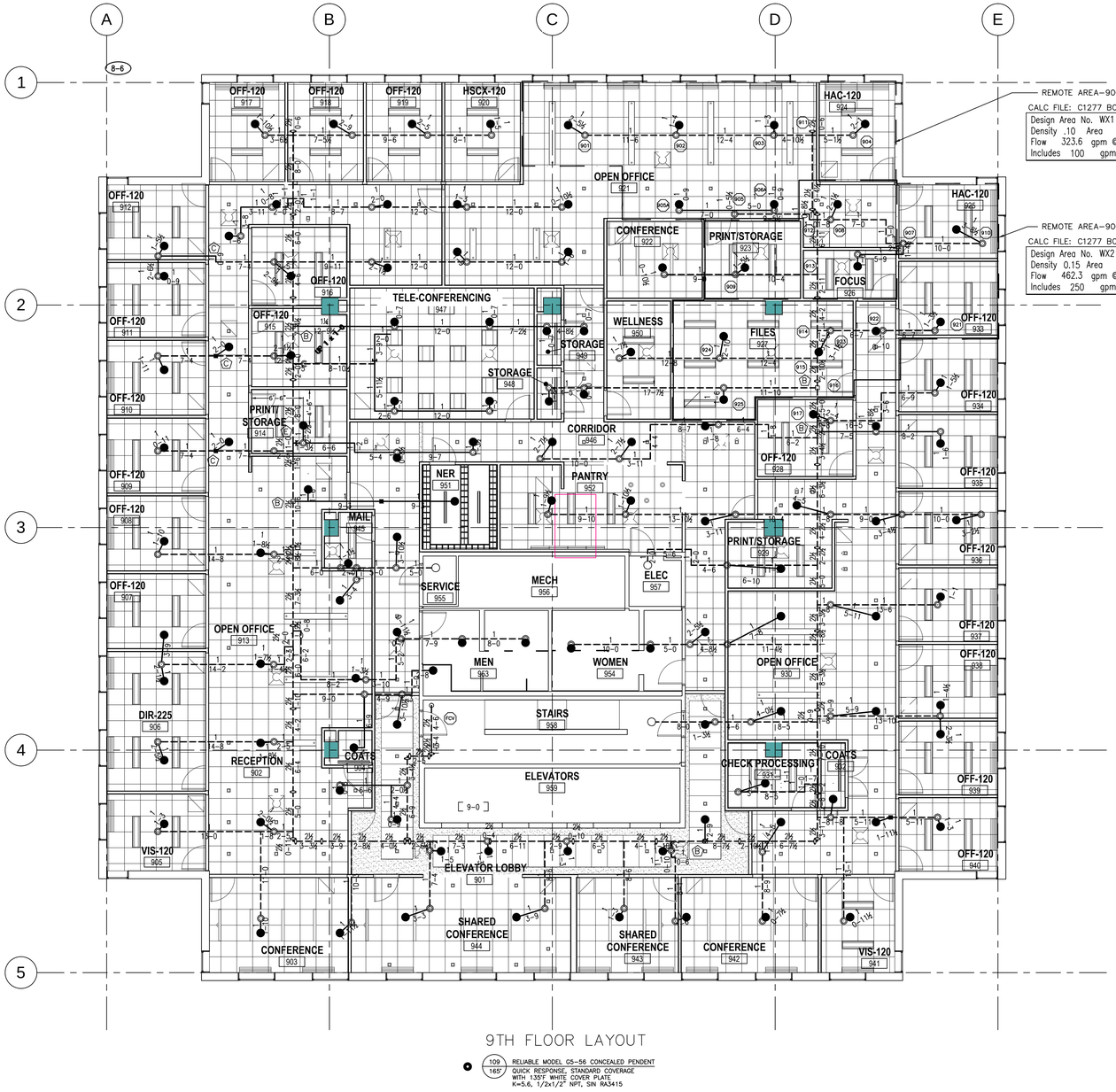
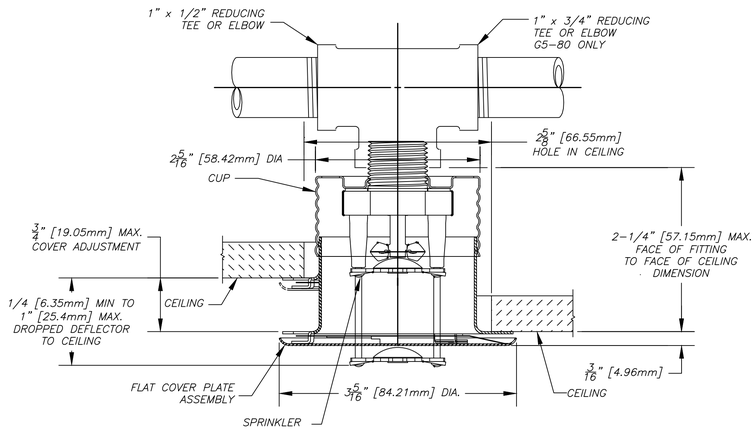


9TH FLOOR LAYOUT

109 / 165 RELIABLE MODEL G5–56 CONCEALED PENDENT QUICK RESPONSE, STANDARD COVERAGE WITH 1.375" WHITE COVER PLATE K=5.6, 1/2x1/2" NPT, SIN RA5415

N



COVER PLATE: 3/4" [19.05mm] ADJUSTMENT

KEYED NOTES:

(A) RELOCATE EXISTING 1" DROP TO NEW CEILING TILE AS SHOWN, INSTALL NEW SPRINKLER–(TYPICAL UNLESS NOTED).
(B) TIE INTO EXISTING 2 1/2" CROSSMAIN WITH A MECHANICAL TEE.
(C) TIE INTO EXISTING 1" BRANCHLINE BY REPLACING EXISTING 1" COUPLING WITH NEW 1" TEE.
(D) CUT NEW 1" TEE INTO EXISTING BRANCHLINE.
(E) TIE INTO EXISTING 1" PLUGGED WELD–O–LET ON 2 1/2" CROSSMAIN
(F) REPLACE EXISTING 1" ELL WITH NEW 1" BHT

LEGEND:

- UPRIGHT SPRINKLER ON A BRANCH LINE
- CONCEALED PENDENT SPRINKLER ON A 1" DROP
- RISE OR DROP
- GROOVED RIGID COUPLING
- (XX) HYDRAULIC REFERENCE POINT
- (X'–X") CEILING HEIGHT
- HANGER

F ℄= X'–X"	FINISHED FLOOR TO PIPE CENTERLINE
C ℄= X'–X"	CEILING TO PIPE CENTERLINE
D ℄= X'–X"	CONCRETE DECK TO PIPE CENTERLINE
CTE	CONNECT TO EXISTING

GENERAL NOTES:

ALL 1" TO 2" PIPE IS TO BE SCH. 40 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.

SYSTEM CLASSIFICATION:

THE WET PIPE SYSTEM OF AUTOMATIC SPRINKLERS IS DESIGNED IN ACCORDANCE WITH NFPA–13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2010 EDITION.
LIGHT HAZARD OCCUPANCY FOR OFFICES.
ORDINARY HAZARD, GROUP 1 FOR ROOMS 914 PRINT/STORAGE, 923 PRINT/STORAGE, 927 FILES, 1026 STORAGE AND 1027 PRINT.

SCOPE OF WORK:

REWORK EXISTING WET PIPE SYSTEM OF AUTOMATIC SPRINKLERS IN RENOVATED 9TH AND 10TH FLOORS PER NEW PARTITION AND CEILING LAYOUT. SYSTEM IS DESIGNED IN ACCORDANCE WITH NFPA–13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2010 EDITION. 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 FOR LIGHT HAZARD OCCUPANCIES AND 0.15 GPM PER SQUARE FOOT OVER THE MOST REMOTE 900 SQUARE FEET WITH A HOSE ALLOWANCE OF 250 GPM FOR ORDINARY HAZARD GROUP 1 OCCUPANCIES.

FIRE PROTECTION SUBCONTRACTOR: DEAN & ALLYN, INC.
STATE OF MAINE CONTRACTOR'S LICENSE NUMBER 262
EXPIRATION DATE: JUNE 30, 2017

WORKING DRAWINGS PREPARED BY:
THEODORE E. CLARKE
NICET LEVEL IV
CERTIFICATION #71654
STATE OF MAINE RMS LICENSE NUMBER 208
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

SCALE 1/8"=1'–0" SCALE 1/4"=1'–0" SCALE 3/8"=1'–0"

REVISIONS			DATE
0	SUBMIT FOR APPROVAL	7/17/15	

APPROVED BY		DATE
SURVEYED BY	TEC	7/6/15
DRAWN BY	TEC	7/17/15
CHECKED BY	DAS	
AT DEAN & ALLYN, INC		
SCALE 1/8"=1'–0" U/N		
SHEET NO. 1 OF 2		

DANA A. STEWART
NICET IV – #064544

DRAWING TITLE: NINTH FLOOR SPRINKLER LAYOUT

REV. 0

JOB: BANK OF AMERICA
1 MONUMENT SQUARE
PORTLAND, MAINE 04101

NO. OF SPRINKLERS SHOWN ON THIS SHEET: 84 RELOCATES 25 NEW

NO. OF SPRINKLERS ON JOB: 219

CONTRACT WITH: GILBANE BUILDING COMPANY
7 JACKSON WALKWAY, PROVIDENCE, RI 02903

CONTRACT NO. C151277