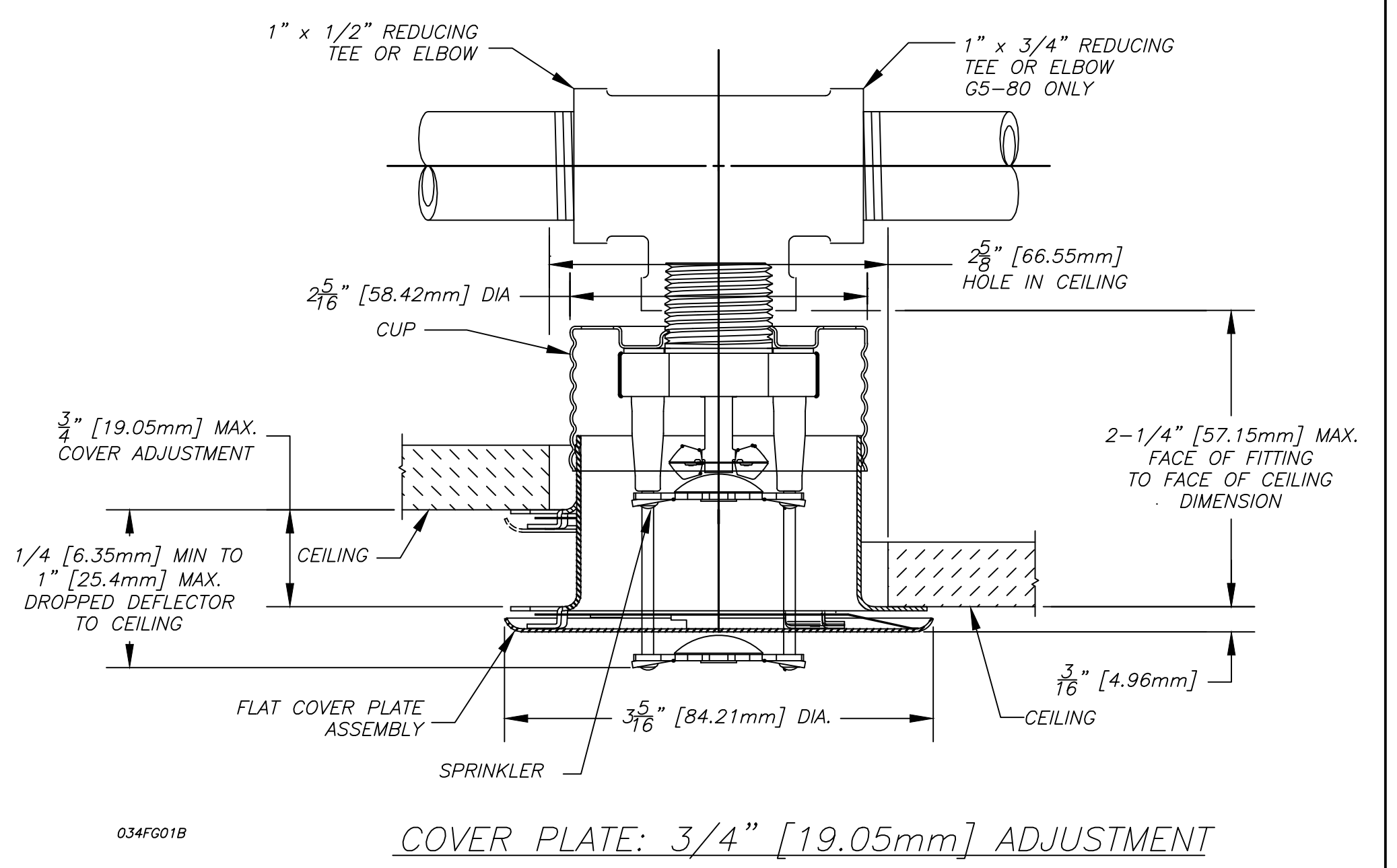
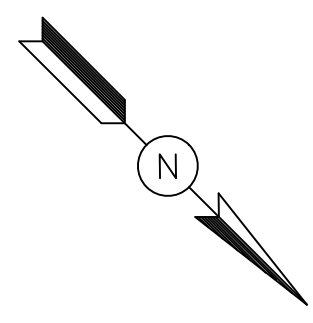


9TH FLOOR LAYOUT

109 RELIABLE MODEL GS-58 CONCEALED PENDENT
 185 QUICK RESPONSE, STANDARD COVERAGE
 WITH 135°F WHITE COVER PLATE
 K=5.6, 1/2x1/2" NPT, SN RA3415

REMOTE AREA-900 SQUARE FEET
 CALC FILE: C1277 BOA 9TH FLOOR.WX1
 Design Area No. WX1 - LIGHT HAZ
 Density .10 Area 900
 Flow 323.6 gpm @ 118.4 psi
 Includes 100 gpm Hose allowance

REMOTE AREA-900 SQUARE FEET
 CALC FILE: C1277 BOA 9TH FLOOR.WX2
 Design Area No. WX2 - OH 1
 Density 0.15 Area 900
 Flow 462.3 gpm @ 112.9 psi
 Includes 250 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 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

		DANA A. STEWART NICET IV - #064544		DRAWING TITLE: NINTH FLOOR SPRINKLER LAYOUT		REV. 0	
APPROVED BY		DATE		SURVEYED BY		JOB:	
//		7/6/15		TEC		NO. OF SPRINKLERS SHOWN ON THIS SHEET	
//		7/17/15		TEC		84 RELOCATES	
//				DAS		25 NEW	
//						NO. OF SPRINKLERS ON JOB	
//				AT DEAN & ALLYN, INC		219	
//				SCALE 1/8"=1'-0" U/N		CONTRACT NO.	
//		7/17/15		SHEET NO. 1 OF 2		C151277	
//						CONTRACT WITH: GILBANE BUILDING COMPANY	
//						7 JACKSON WALKWAY, PROVIDENCE, RI 02903	