

MAIN FLOOR PLAN

PROTECTED AREA: 9,270 SQ. FT.

SCALE: 3/16" = 1'-0"

SECTION DETAIL "A"

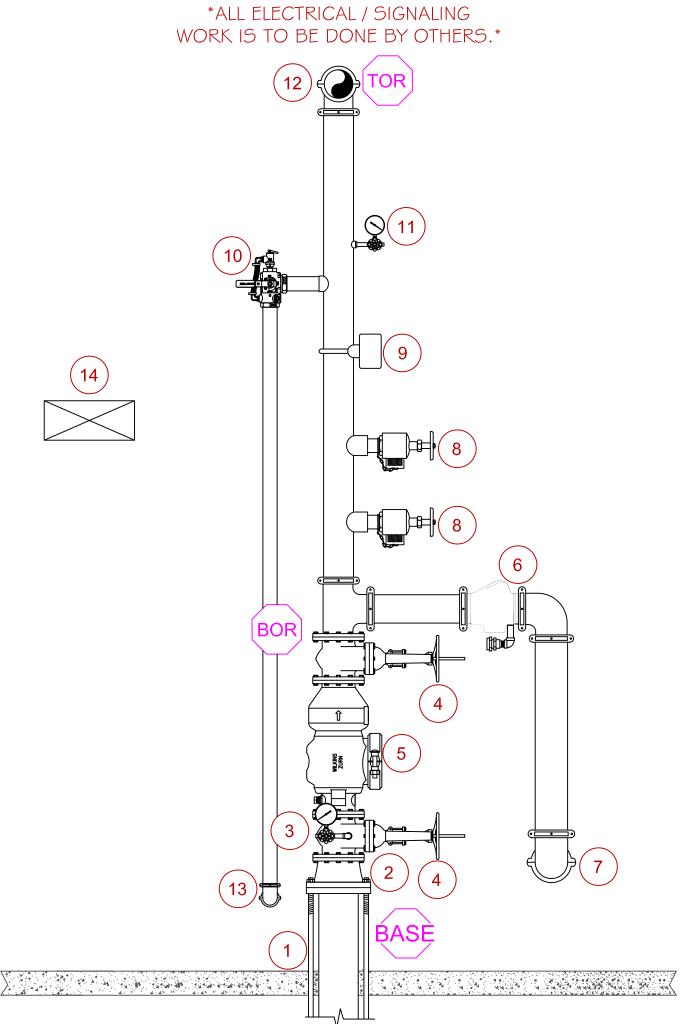
BUILDING CONST: THE BUILDING IS CONSTRUCTED OF TYPE II MEMBRANE COATED NON-COMBUSTIBLE CONSTRUCTION THROUGHOUT. THE BUILDING IS CONSTRUCTED OF STEEL JOISTS AND I-BEAMS WITH A STEEL ROOF DECK.

BUILDING OCCUP: THE BUILDING IS AN AIRCRAFT HANGAR FOR NORTHEAST AIR LOCATED AT

ENTIRE STRUCTURE. THE HANGAR IS CLASSIFIED AS A GROUP IV HANGAR PER NFPA 409 (2016 EDITION) "MEMBRANE COVERED RIGID STEEL FRAME STRUCTURE". THE SPRINKLER SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH NFPA 13 PER NFPA 409 - 9.14.3. THE HANGAR HAS A FIRE AREA LESS THAN 12,000 SQUARE FEET. THE SPRINKLER SYSTEM HAS BEEN DESIGNED USING AN EXTRA HAZARD GROUP I CLASSIFICATION

A 2,000 SQUARE FOOT HYDRAULIC DESIGN AREA HAS BEEN USED DUE TO THE INSTALLATION OF HIGH TEMPERATURE (286°) UPRIGHT HEADS PER NFPA 13 - 11.2.3.2.6. WHICH ALLOWS FOR A 25% DESIGN AREA REDUCTION

THE SPRINKLER SYSTEM HAS BEEN DESIGNED TO MEET ALL APPLICABLE



UNDERGROUND FIRE SERVICE TO BE INSTALLED BY OTHERS.

SYSTEM RISER DETAIL SCALE: N.T.S.

HIGH TECH FIRE PROTECTION P.O. BOX 156 MINOT, ME. 04258-0258 TEL:(207) 998-2551 FAX:(207) 998-4187

ARCHITECT:

GRANT HAYS ASSOCIATES FALMOUTH, ME

MAINE LICENSE # 102

CONTRACTOR:

BENCHMARK CONSTRUCTION WESTBROOK, ME

LEGEND:

O RN PIPE RISER UP O DN PIPE RISER DOWN

STEEL PIPE (WET)

A HYDRAULIC CALC. POINT XX-X PIPE ELEVATION A.F.F.

DESIGN NOTES:

*ALL PIPING 1 1/2" AND LARGER TO BE SCHEDULE 10 STEEL W/ GROOVED FITTING. *ALL PIPING 1 1/4" AND SMALLER TO BE SCHEDULE 40 STEEL WITH THREADED OR GROOVED FITTING. *POSITION, LOCATION, SPACING, AND USE C SPRINKLERS AND HANGERS SHALL BE IN ACCORDANCE WITH NFPA 13 2016 ed. *HYDRAULIC CALCULATION PROCEDURES HAVE BEEN DONE IN ACCORDANCE WITH

NFPA 13 2016 ed. (SEE PLANS FOR LOCATION

OF REMOTE AREAS, HYDRAULIC REFERENCE POINTS, AND SYSTEM DEMANDS) *ALL ELECTRICAL WORK TO BE DONE BY *DIMENSIONS AND LOCATIONS GIVEN FOR SPRINKLER HEADS AND PIPE MAY VARY TO ACCOMODATE ACTUAL FIELD CONDITIONS. *OWNER TO PROVIDE SUFFICIENT HEAT TO PREVENT FREEZING IN WATER FILLED SPRINKLER PIPE AND EQUIPMENT. *OTHER TRADES TO COORDINATE THEIR WORK WITH SPRINKLER CONTRACTOR. *ALL NEWLY INSTALLED SPRINKLER HEADS ARE TO BE QUICK RESPONSE U.N.O. *OWNER IS RESPONSIBLE FOR MAINTAINING

THE SPRINKLER SYSTEM/S IN ACCORDANCE WITH THE CURRENT EDITION OF NFPA 25, OF WATER BASED FIRE PROTECTION SYSTEMS" AND/OR ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, CODES AND

HEAD LEGEND:

ORDINANCES.

MODEL GL8164

96 / 286° K=8.0 3/4" BRASS UPRIGHT (100 SQ. FT. EXTRA HAZARD)

-STANDARD RESPONSE-

* OR APPROVED EQUAL

TOTAL HEADS ON SHEET: 96

SCALE:

DATE: DECEMBER 11, 2017

DESIGNER: JEREMY A. FOSS MAINE RMS #808 NICET LEVEL IV CERT. #126801 CHECKED BY: E. POULIN (RMS# 515) NICET LEVEL IV CERT. # 108534

LOCATION:

1071 WESTBROOK ST PORTLAND, ME

DRAWING TITLE:

NORTHEAST AIR NORTH HANGAR (MAIN FLOOR)
FIRE PROTECTION PLAN
(NFPA 13 2016 ed.)

DRAWING NO.:

FP-1.1