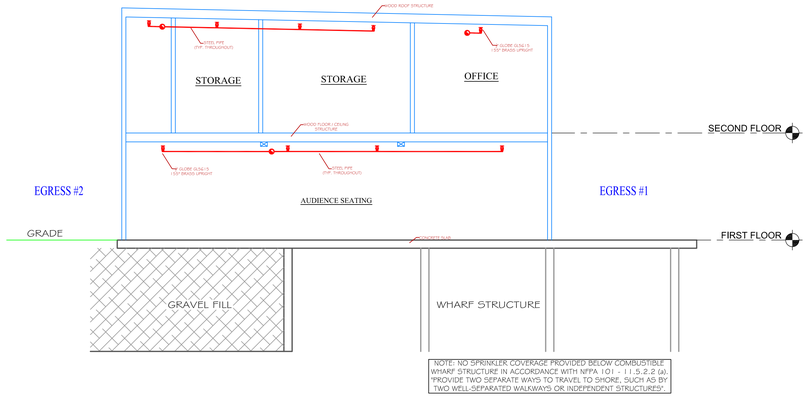


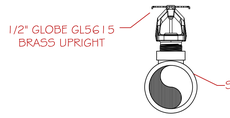
NOTE: NO SPRINKLER COVERAGE PROVIDED BELOW COMBUSTIBLE WHARF STRUCTURE IN ACCORDANCE WITH NFPA 101 - 11.5.2.2 (a). "PROVIDE TWO SEPARATE WAYS TO TRAVEL TO SHORE, SUCH AS BY TWO WELL-SEPARATED WALKWAYS OR INDEPENDENT STRUCTURES".

NOTE: ELEVATION @ SLAB = 0'-0" FOR ALL HYDRAULIC CALCULATIONS

SECTION DETAIL "A"

SCALE: N.T.S.

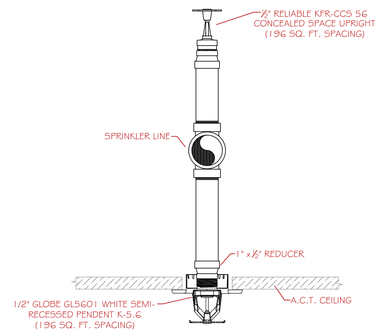
HEAD SYMBOL: = 155° = 200°



UPRIGHT HEAD DETAIL

SCALE: N.T.S.

HEAD SYMBOL:



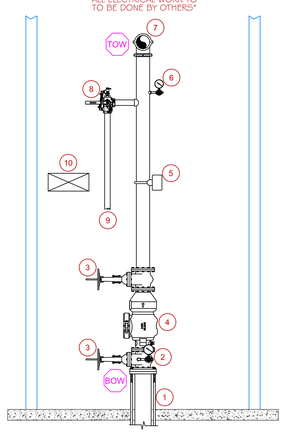
ABOVE & BELOW DETAIL

SCALE: N.T.S.

SYSTEM RISER DETAIL LEGEND

1 4" DICL UNDERGROUND (BY OTHERS)	6 WATER PRESSURE GAUGE (SYSTEM)
2 WATER PRESSURE GAUGE (SUPPLY)	7 4" FEED TO SYSTEM
3 4" GATE VALVE W/ TAMPER SWITCH	8 2" TEST N DRAIN W/ RELIEF VALVE
4 4" WILKINS 350 BACKFLOW PREVENTER	9 MAIN DRAIN TO EXTERIOR
5 4" VANE FLOW SWITCH	10 SPARE SPRINKLER HEAD BOX

ALL ELECTRICAL WORK TO TO BE DONE BY OTHERS



SYSTEM RISER DETAIL

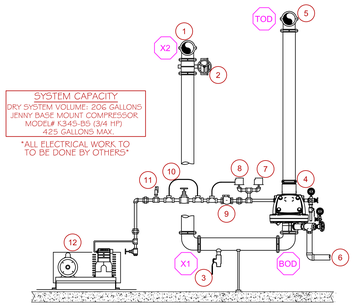
SCALE: N.T.S.

DRY VALVE DETAIL LEGEND

1 4" FEED FROM WET SYSTEM	7 PRESSURE SWITCH (DRY SYSTEM FLOW)
2 4" BUTTERFLY VALVE	8 PRESSURE SWITCH (LOW AIR ALARM)
3 1" AUXILIARY DRAIN	9 3/4" CHECK VALVE
4 4" RELIABLE "D" DRY VALVE W/ TRIM KIT	10 COPPER BYPASS
5 4" FEED TO DRY SYSTEM	11 RELIEF VALVE
6 2" MAIN DRAIN TO EXTERIOR	12 BASE MOUNT COMPRESSOR

SYSTEM CAPACITY:
DRY SYSTEM VOLUME: 206 GALLONS
JENNY BASE MOUNT COMPRESSOR
MODEL# K345-BS (3/4 HP)
425 GALLONS MAX.

ALL ELECTRICAL WORK TO TO BE DONE BY OTHERS



DRY VALVE DETAIL

SCALE: N.T.S.

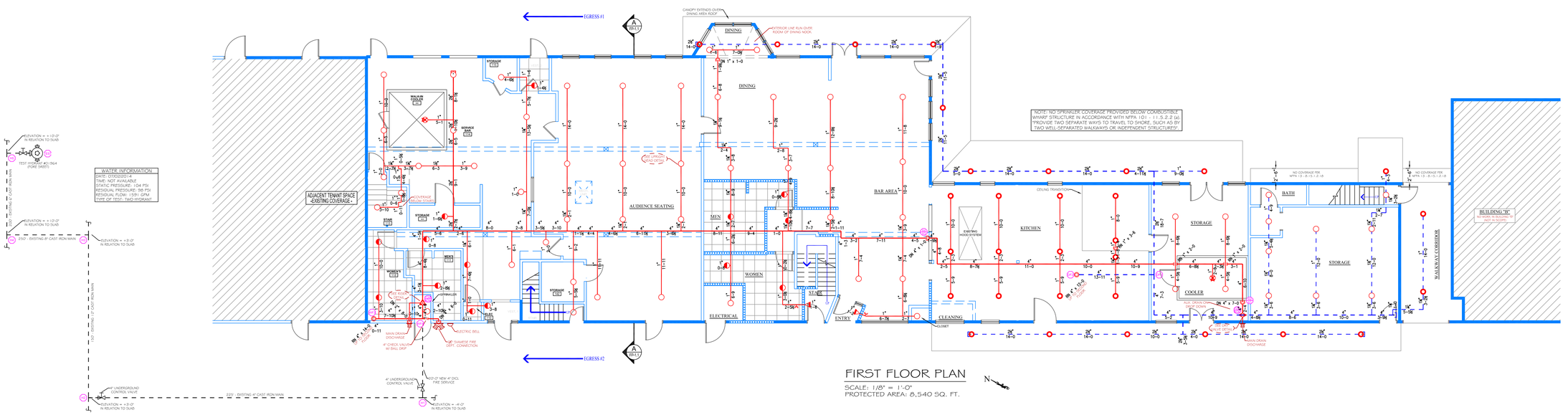
PROJECT DESCRIPTION

BUILDING CONST: THE BUILDING IS OF EXISTING CONSTRUCTION AND BUILT WITH COMBUSTIBLE MATERIALS THROUGHOUT. THE MAIN FLOOR OF THE LARGER BUILDING CONTAINS THE PORTHOLE RESTAURANT. ABOVE THE RESTAURANT ARE OFFICES AND STORAGE SPACES TO BE USED BY THE RESTAURANT OWNERS. THIS PORTION OF THE BUILDING HAS A FLAT ROOF WITH COMBUSTIBLE FRAMING EXPOSED TO THE FLOOR BELOW. THE SMALLER BUILDING HOUSES A SMALL STORAGE AREA ON THE MAIN LEVEL WITH VACANT OFFICE SPACES AND AN APARTMENT. THE UPPER FLOOR OF THE APARTMENT CONTAINS A BEDROOM AND COMBUSTIBLE SLOPED ATTIC SPACE.

BUILDING OCCUP: THE BUILDING IS OF MIXED OCCUPANCIES CONTAINING RESTAURANT SEATING AND A COMMERCIAL KITCHEN AS WELL AS OFFICE, STORAGE SPACES AND A TWO BEDROOM APARTMENT.

SPRINKLER DESIGN: THE SPRINKLER SYSTEM HAS BEEN DESIGNED USING A LIGHT HAZARD CLASSIFICATION THROUGHOUT WITH THE EXCEPTION OF THE KITCHEN AND LIGHT STORAGE AREAS THAT HAVE BEEN DESIGNED USING AN ORDINARY GROUP I HAZARD CLASSIFICATION. THE SECOND FLOOR ABOVE CEILING SPRINKLER COVERAGE HAS BEEN CALCULATED IN ACCORDANCE WITH THE RELIABLE HEAD SPECIFICATIONS. THE SECOND FLOOR STORAGE AREAS AND DRY SYSTEM HAVE BEEN CALCULATED IN ACCORDANCE WITH NFPA 13.
THE SYSTEM HAS BEEN DESIGNED AS AN NFPA 13 2010 ed. AUTOMATIC WET PIPE AND DRY PIPE SPRINKLER SYSTEM.

GLOBE*
MODEL GL5641
2 / 155° K=5.6
1" DRY BARREL FLUSH MOUNT
WHITE HORIZONTAL SIDEWALL
(196 SQ. FT. LIGHT HAZARD)



FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"
PROTECTED AREA: 8,540 SQ. FT.

HIGH TECH FIRE PROTECTION
P.O. BOX 156
MINOT, ME. 04258-0258
TEL:(207) 998-2551 FAX:(207) 998-4187
MAINE LICENSE # 102

ARCHITECT:

CONTRACTOR:

LEGEND:
- IN PIPE RISER UP
- DN PIPE RISER DOWN
- STEEL PIPE (WET)
- STEEL PIPE (DRY)
- WET SYSTEM RISER
- DRY SYSTEM RISER
- 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 FITTING.
*POSITION, LOCATION, SPACING, AND USE OF SPRINKLERS AND HANGERS SHALL BE IN ACCORDANCE WITH NFPA 13 2010 ed.
*HYDRAULIC CALCULATION PROCEDURES HAVE BEEN DONE IN ACCORDANCE WITH NFPA 13 2010 ed. (SEE PLANS FOR LOCATION OF REMOTE AREAS, HYDRAULIC REFERENCE POINTS, AND SYSTEM DEMANDS)
*ALL ELECTRICAL WORK TO BE DONE BY OTHERS.
*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.
*INSPECTIONS TESTING AND MAINTENANCE OF WATER BASED FIRE PROTECTION SYSTEMS" AND/OR ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, CODES AND ORDINANCES.

GLOBE*
MODEL GL5615
57 / 155° K=5.6
1/2" BRASS UPRIGHT
(196 SQ. FT. LIGHT HAZARD)
(130 SQ. FT. ORD. HAZARD)

GLOBE*
MODEL GL5615
31 / 200° K=5.6
1/2" BRASS UPRIGHT
(130 SQ. FT. ORD. HAZARD)

RELIABLE CCS 56 - 212° (ABOVE)
GLOBE GL5601 - 155° (BELOW)
14 / K=5.6
1/2" CONCEALED SPACE UPRIGHT (ABOVE)
1/2" SEMI-RECESSED WHITE PENDENT (BELOW)
(196 SQ. FT. LIGHT HAZARD)

GLOBE*
MODEL GL5635
2 / 200° K=5.6
1" EXTENDED ESC. DRY BARREL WHITE PENDENT (BELOW)
(130 SQ. FT. ORD. HAZARD)

* OR APPROVED EQUAL

TOTAL HEADS ON SHEET: 120

SCALE: 2 1 0 4 8
SCALE 1/8"=1'-0"

DATE: DECEMBER 11, 2014

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

LOCATION:
20 CUSTOM HOUSE WHARF
PORTLAND, ME

DRAWING TITLE:
PORTHOLE RESTAURANT
(FIRST FLOOR)
FIRE PROTECTION PLAN
(NFPA 13 2010 ed.)

DRAWING NO.:
FP-1.1