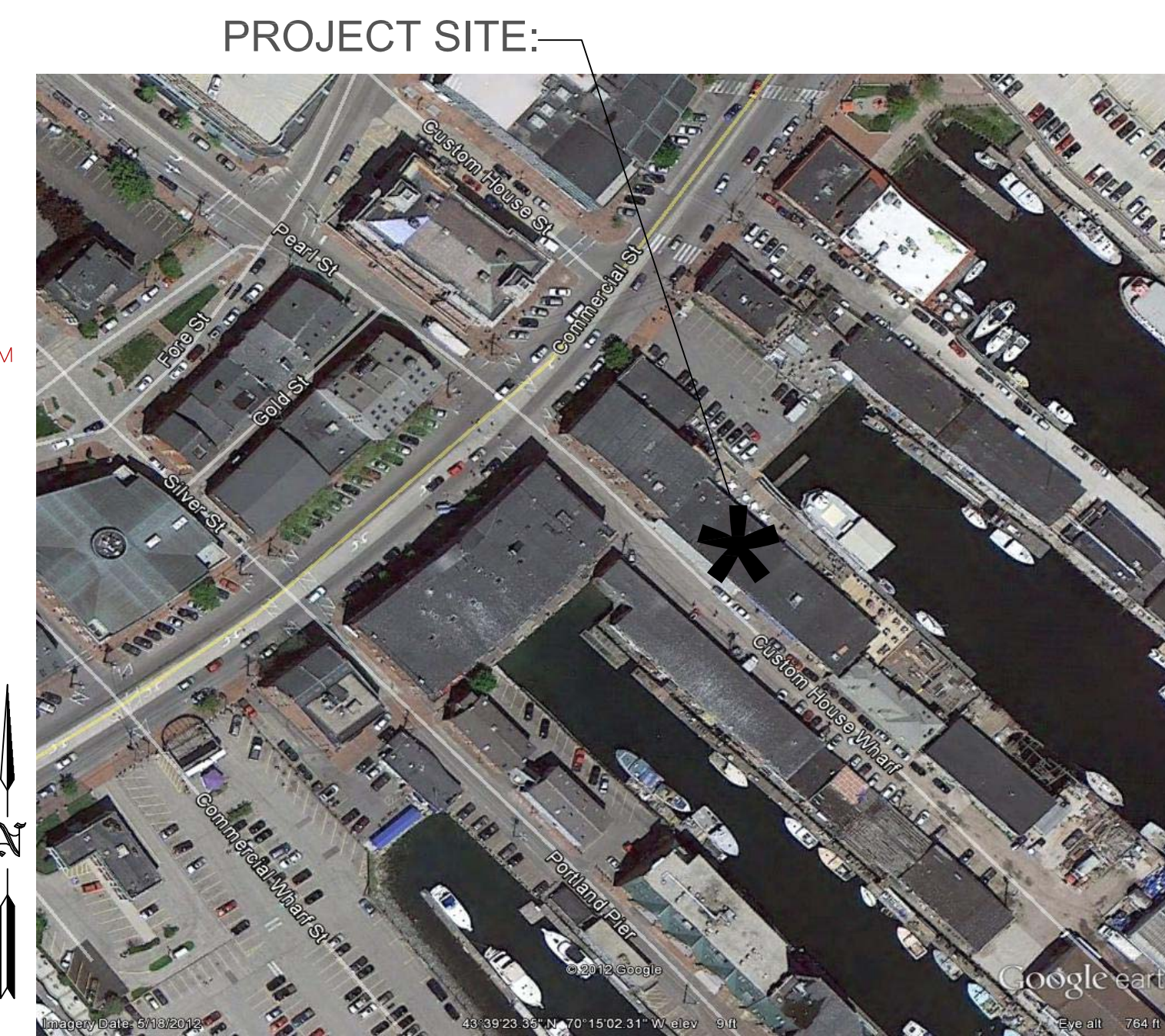
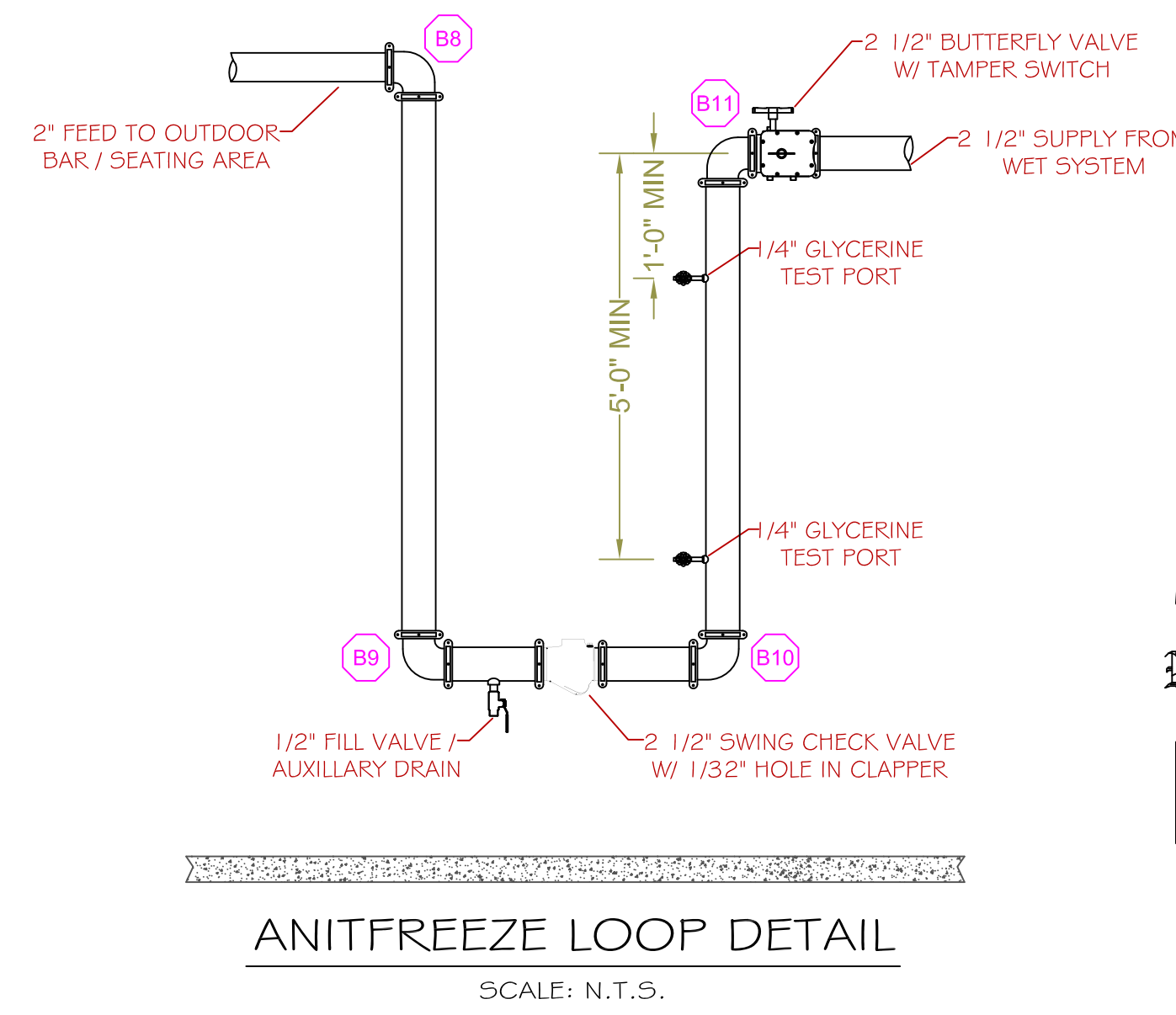


TOTAL GLYCERINE VOLUME: 1.8 GALLONS

NOTE: ALL ANTI-FREEZE SOLUTIONS USED ARE TO BE 50/50 FACTORY PRE-MIXED AS REQ. BY NFPA.

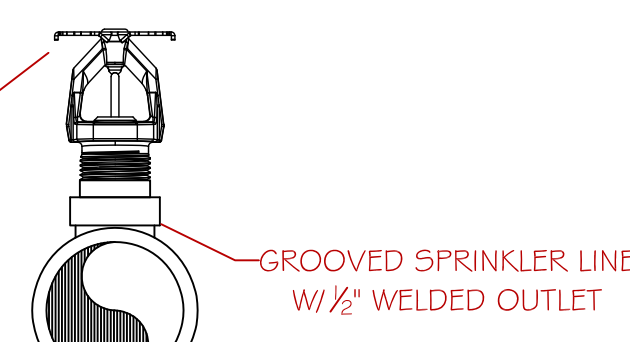


SITE PLAN
SCALE: N.T.S.

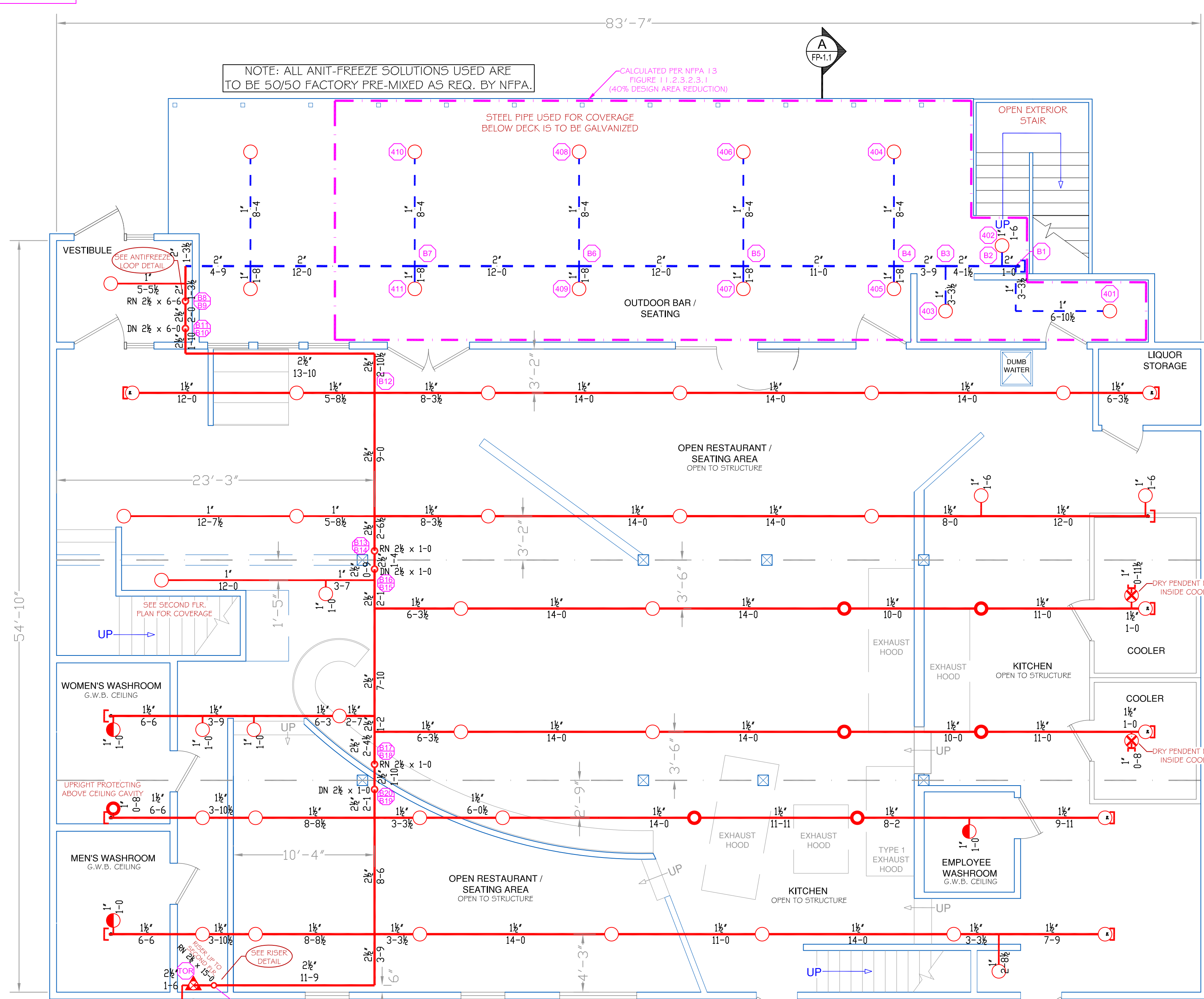
OUTDOOR BAR / SEATING CALC STICKER
HYD. DESIGN CRITERIA
(NFPA 13 2010 ed. - WET)
LOCATION: OUTDOOR BAR / SEATING AREA
HAZARD CLASSIFICATION: LIGHT
DENSITY: 1.1 GPM/SQ. FT.
AREA OF OPERATION: 900 SQ. FT.
HOSE DEMAND: 100 GPM
NO. OF SPRINKLERS: 11
SYSTEM DEMAND (INCLUDING HOSE) @ BASE OF RISER: 336 GPM @ 89-PSI
SAFETY MARGIN: 12.5-PSI

RESTAURANT / SEATING AREA CALC STICKER
HYD. DESIGN CRITERIA
(NFPA 13 2010 ed. - WET)
LOCATION: RESTAURANT / SEATING (SECOND FLR.)
HAZARD CLASSIFICATION: ORDINARY GROUP 1
DENSITY: 1.5 GPM/SQ. FT.
AREA OF OPERATION: 1,000 SQ. FT. (1500' x 35')
HOSE DEMAND: 250 GPM
NO. OF SPRINKLERS: 12
SYSTEM DEMAND (INCLUDING HOSE) @ BASE OF RISER: 497 GPM @ 84-PSI
SAFETY MARGIN: 17-PSI

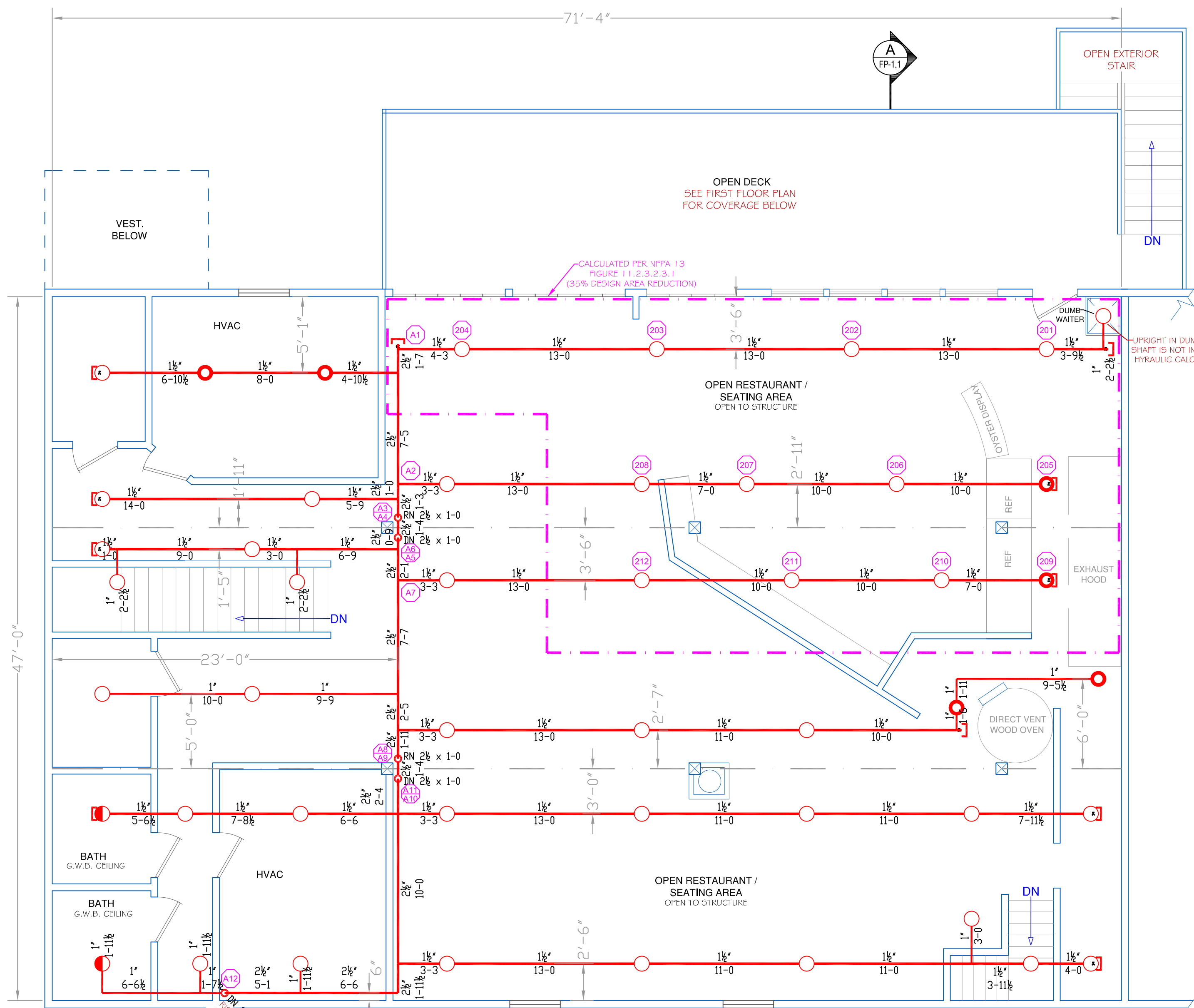
HEAD SYMBOL:
○ = 155°
● = 200°



UPRIGHT HEAD DETAIL
SCALE: N.T.S.



FIRST FLOOR PLAN
SCALE: 3/16" = 1'-0"
PROTECTED AREA: 5,150 SQ. FT.



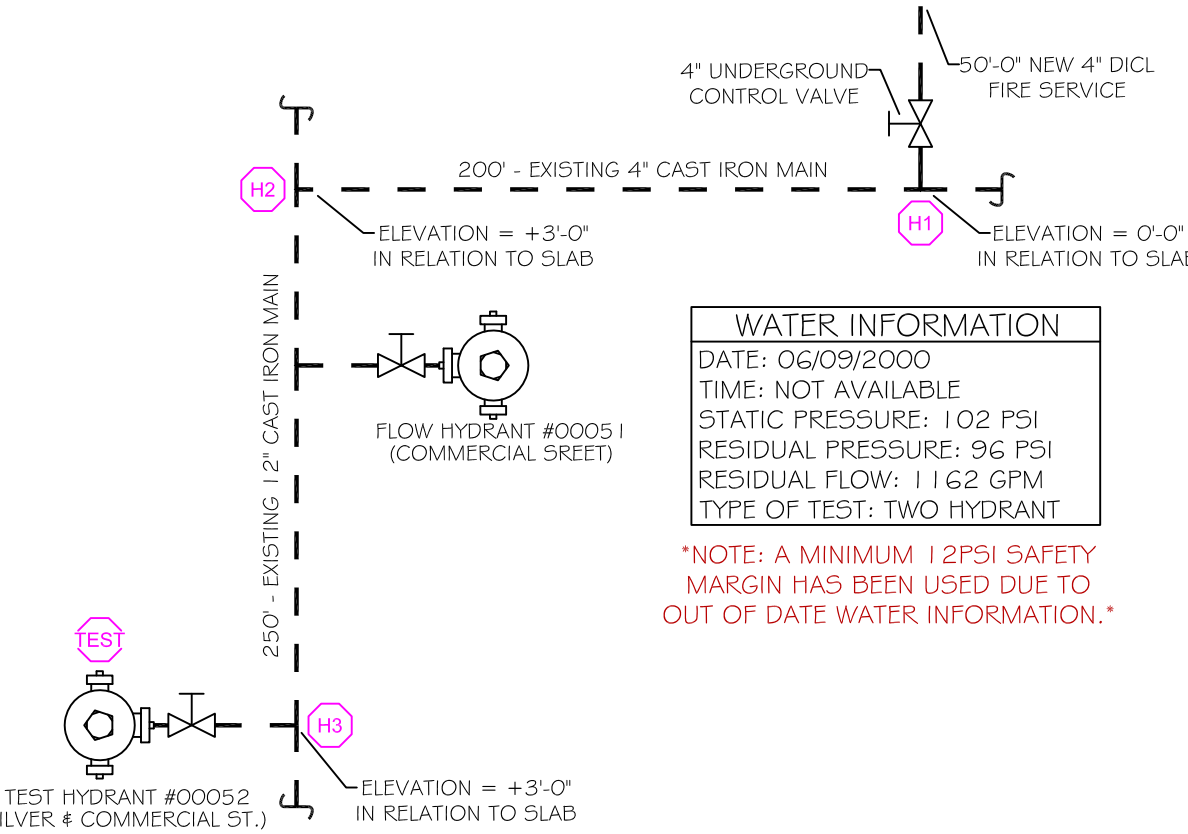
SECOND FLOOR PLAN
SCALE: 3/16" = 1'-0"
PROTECTED AREA: 3,350 SQ. FT.

PROJECT DESCRIPTION

BUILDING CONST: THE BUILDING IS CONSTRUCTED OF WOOD FRAMING THROUGHOUT. THERE ARE TWO LEVELS WITH A FLAT ROOF ATTACHED TO THE SECOND FLOOR CEILING FRAMING. THE ROOF STRUCTURE IS COVERED WITH A RUBBER MEMBRANE. THE INTERIOR CEILINGS ARE BEING LEFT OPEN TO SHOW THE EXPOSED WOOD STRUCTURE, WITH THE EXCEPTION OF THE BATHROOMS. INTERIOR WALLS AND BATHROOM CEILINGS WILL BE FINISHED WITH G.W.B.

BUILDING OCCUP: THE BUILDING IS DESIGNED AS RESTAURANT SPACE FOR BOTH THE FIRST AND SECOND FLOORS. BOTH FLOORS CONTAIN MAINLY SEATING AREAS WITH SMALL KITCHEN SPACES. THE UPPER PORTION OF THE EXTERIOR DECK IS DEDICATED TO RESTAURANT SEATING AS WELL AND IS OPEN TO THE ATMOSPHERE. BELOW THE DECK IS AN OUTDOOR BAR / SEATING AREA.

SPRINKLER DESIGN: THE SPRINKLER SYSTEM HAS BEEN DESIGNED WITH A LIGHT HAZARD CLASSIFICATION FOR ALL SEATING AREAS AND SIMILAR OCCUPANCIES. THE SMALL MECHANICAL SPACES AS WELL AS THE KITCHEN AREAS HAVE BEEN DESIGNED USING AN ORDINARY HAZARD CLASSIFICATION. THE SPRINKLER SYSTEM HAS BEEN DESIGNED TO MEET ALL STANDARDS AND CODES THAT ARE APPLICABLE FOR AN NFPA 13 2010 ed. AUTOMATIC SPRINKLER SYSTEM AS WELL AS THE POLICIES AND ORDINANCES PROVIDED BY THE STATE OF MAINE AND THE CITY OF PORTLAND.



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:
○ RISER UP
● RISER DOWN
— STEEL PIPE (WET)
- - - STEEL PIPE (ANTI-FREEZE)
○ HYDRAULIC CALC. POINT

DESIGN NOTES:
* ALL PIPING 1/2" AND LARGER TO BE SCHEDULE 10 STEEL W/ GROOVED FITTING.
* ALL PIPING 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 ACCOMMODATE 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.

GLOBE* MODEL GL5615
92 / 155
K=5.6
1/2" BRASS UPRIGHT
-196 SQ. FT. LIGHT HAZARD-
-130 SQ. FT. ORDINARY HAZARD-

GLOBE* MODEL GL5615
13 / 200
K=5.6
1/2" BRASS UPRIGHT
-196 SQ. FT. LIGHT HAZARD-
-130 SQ. FT. ORDINARY HAZARD-

GLOBE* MODEL GL5601 - 155" (ABOVE)
5
K=5.6
1/2" BRASS UPRIGHT (ABOVE)
1/2" SEMI RECESSED WHITE PENDENT (BELOW)
-196 SQ. FT. LIGHT HAZARD-

* OR APPROVED EQUAL

TOTAL HEADS ON SHEET: 115

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

DATE: DECEMBER 28, 2012
DRAWN BY: JEREMY A. FOSS
MAINE RMS #808
NICET LEVEL III CERT. #126801
CHECKED BY: E. POULIN (RMS# 515)
NICET LEVEL IV CERT. #108534

LOCATION:
**CUSTOM HOUSE WHARF
PORTLAND, ME**

DRAWING TITLE:
**CUSTOM HOUSE WHARF
(FIRST & SEC. FLR.)
FIRE PROTECTION PLAN
(NFPA 13 2010 ed.)**

DRAWING NO.:
FP-1.1