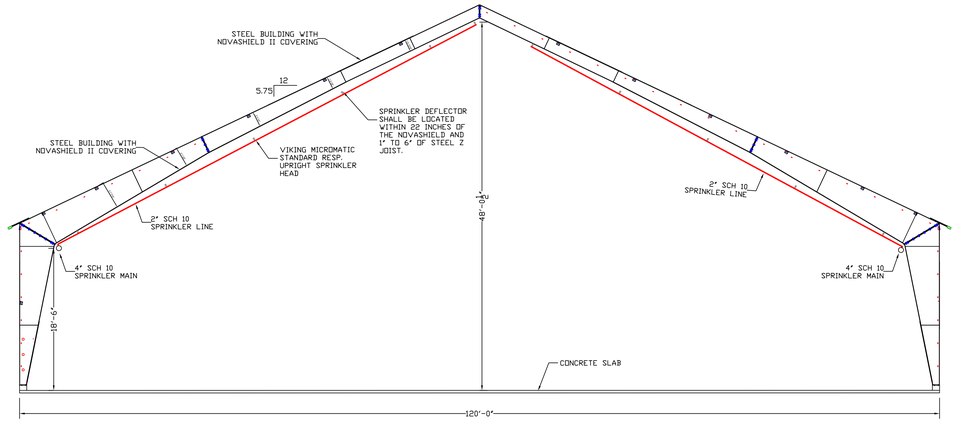


SECTION VIEW 'A'
SCALE : N.T.S.

PROJECT INFORMATION:
SCOPE:
The fire protection project consists of providing two dry sprinkler systems to serve a yatch storage and repair buildlng. Boat storage shall not exceed 12'-0" from finished floor.

WATER SUPPLY:
There are two dry systems supplied by a 6" underground main connected to the public water supply. Two 4" FDC will be installed for use by the Fire Department.

CONSTRUCTION TYPE:
Construction type is "steel I beam construction with z joist covered by a Novashield II fabric.

CODE REFERENCES:
***NFPA 13 2010 ed.**

SPECIAL INSTRUCTIONS TO INSTALLER:
Install sprinkler heads within 22 inches of exterior fabric but within 1" to 6" of steel z joist

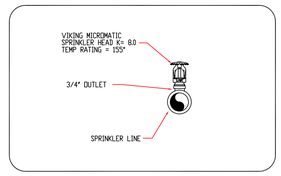
SPRINKLER SYSTEM NOTES:
* **DESIGN AND INSTALLATION SHALL CONFORM TO N.F.P.A. # 13 (2010), LOCAL FIRE AND BLDG. DEPTS.**
* **HANGER INSTALLATION AND SPACING SHALL BE IN ACCORDANCE WITH N.F.P.A. #13**
* **ALL EQUIPMENT TO BE UL LISTED FOR FIRE PROTECTION USE.**
* **FIELD FOREMAN TO VERIFY LOCATION OF HIGH TEMPERATURE SPRINKLERS AND INSTALL HIGH TEMPERATURE SPRINKLERS IN ACCORDANCE WITH N.F.P.A. #13**
* **IF REQUIRED, SLEEVES THROUGH WALLS AND FLOORS SHALL BE SCH. 10 LW. GALVANIZED AND PACKED WITH NONCOMBUSTIBLE, SMOKE PROOF, AND WATERPROOF FIRE SEALANT.**
* **INSTALLING CONTRACTOR SHALL PROVIDE AUXILIARY DRAINS AT ALL LOW POINTS ON DRY SYSTEM.**
* **PIPE 1-1/2" AND LARGER TO BE STEEL SCHEDULE 10 WITH GROOVED FITTINGS. PIPE 1-1/4" AND SMALLER TO BE STEEL SCHEDULE 40 WITH SCREWED FITTINGS.**

SITE PLAN
SCALE: N.T.S.

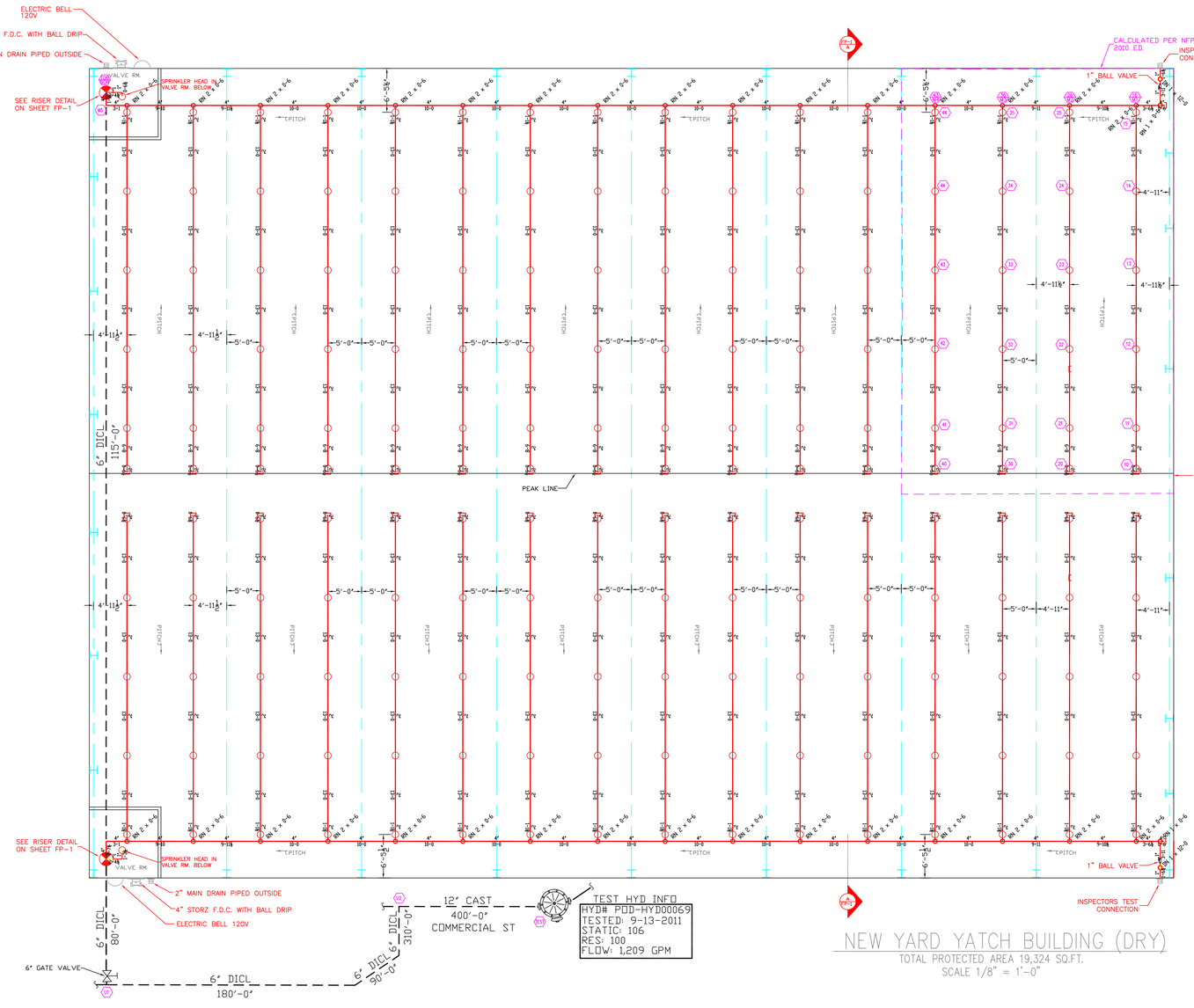
HYD. DESIGN CRITERIA
(NFPA 13 2010 ed. - DRY)

LOCATION=YATCH STORAGE & REPAIR BLDG.
HAZARD CLASSIFICATION: ORDINARY HAZARD (2)
DENSITY= .2 GPM/SQ.FT.
AREA OF OPERATION= 2535 SQ. FT.
INSIDE HOSE DEMAND: 0 GPM
OUTSIDE HOSE DEMAND: 250 GPM
NO. OF SPRINKLERS= 24

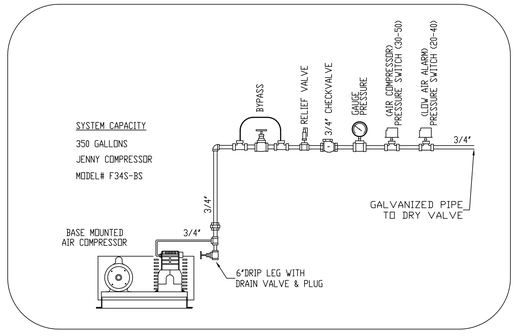
SYSTEM DEMAND (INCLUDING HOSE) @
BASE OF RISER= 1062-GPM 94-PSI
SAFETY MARGIN= 6.99-PSI



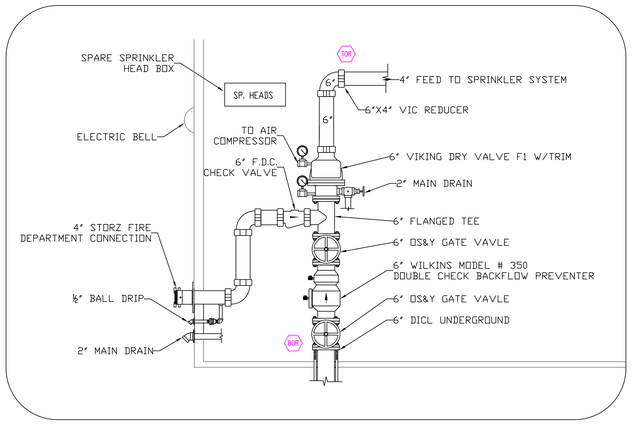
SPRINKLER HEAD DETAIL
SCALE: N.T.S.



NEW YARD YATCH BUILDING (DRY)
TOTAL PROTECTED AREA 19,324 SQ.FT.
SCALE 1/8" = 1'-0"



AIR COMPRESSOR DETAIL
SCALE: N.T.S.



RISER DETAIL
SCALE: N.T.S.

REVISIONS:

NO.	DATE:	DESCRIPTION:

SPECIAL APPLICATIONS:

NO.	DESCRIPTION:

"VIKING"
MICROMATIC STANDARD RESPONSE SPRINKLER
MODEL #10141

QTY.	TEMP.	K-FACT.
190	155°	8.0

3/4" BRASS UPRIGHT
K=8.0
130 SQ. FT SPACING

LEGEND:
- SYSTEM RISER
- PITCH FOR DRY PIPE 1/4" FOR MAINS 1/2" FOR LINES
- HYDRAULIC CALC. POINT
- PROPOSED STEEL PIPING
- UNDERGROUND PIPING

Contractor:
Advanced Fire Protection Services, LLC
P.O. Box 81
Minot, Me 04258
207-513-6480

Project:
NEW YARD YATCH BUILDING PHASE #1

Project/Contract no.:

Scale: SCALE 1/8"=1'-0"

Drawn by: TMF

Date: 9/27/2013

Approval by: Fire Dept.

LOCATION:
40 WEST COMMERCIAL ST.
PORTLAND, ME 04101

SHEET NUMBER

FP-1

OF 1

NOTE: USE OF THESE PLANS BY THE INSTALLING CONTRACTOR SHALL INDICATE ACCEPTANCE OF ALL THE INFORMATION PROVIDED ON THESE PLANS AND SHALL TRANSFER FINAL RESPONSIBILITY OF THE CORRECTNESS OF THE SYSTEM TO THE INSTALLING CONTRACTOR. ANY DESIGN ERRORS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
NOTE: ADDITIONAL SPRINKLER HEADS OVER AND ABOVE THOSE SPECIFICALLY NOTED ON THESE DRAWINGS MAYBE REQUIRED DEPENDING ON THE REQUIRED ROUTING AROUND TRUSSES, HVAC DUCTWORK, HOODS AND OTHER SIMILAR OBSTRUCTIONS. FIELD VERIFY EXISTING CONDITIONS DURING CONSTRUCTION AND PROVIDE ANY AND ALL ADDITIONAL HEADS AS REQUIRED FOR FULL COVERAGE AND A COMPLETE, CODE COMPLIANT SYSTEM.