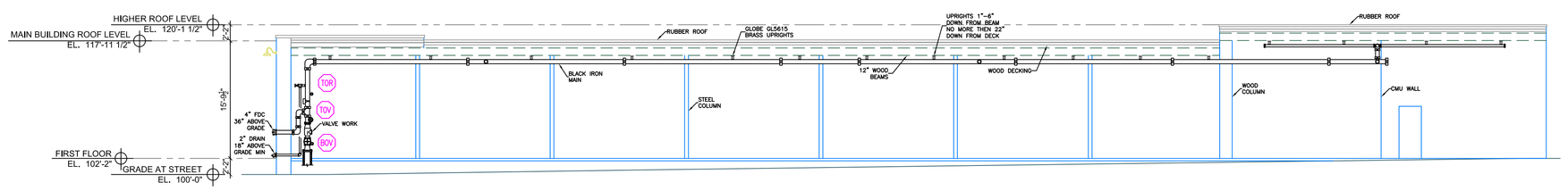
PLOT DETAIL
SCALE: NOT TO SCALE

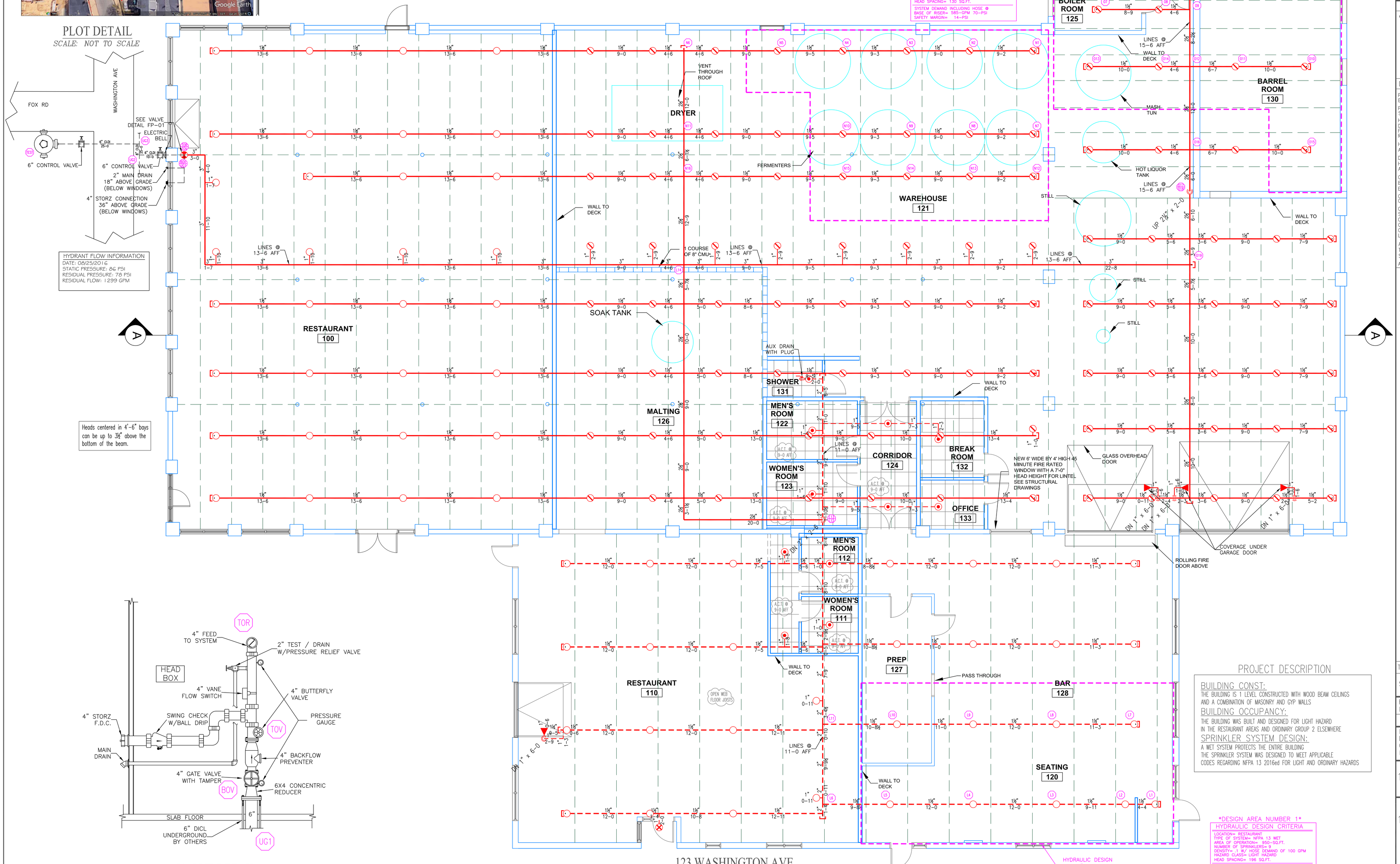


CROSS SECTION "A"
NOT TO SCALE

DESIGN AREA NUMBER 2
HYDRAULIC DESIGN CRITERIA
LOCATION= BARRELL ROOM
TYPE OF SYSTEM= NFPA 13 WET
AREA OF OPERATION= 1060-SQ.FT.
NUMBER OF SPRINKLERS= 11
DENSITY= .2 W/ HOSE DEMAND OF 250 GPM
HAZARD CLASS= ORDINARY GROUP 2
HEAD SPACING= 130 SQ.FT.
SYSTEM DEMAND INCLUDING HOSE @
BASE OF RISER= 541-GPM 67-PSI
SAFETY MARGIN= 17-PSI

DESIGN AREA NUMBER 3
HYDRAULIC DESIGN CRITERIA
LOCATION= DISTILLERY
TYPE OF SYSTEM= NFPA 13 WET
AREA OF OPERATION= 1100-SQ.FT.
NUMBER OF SPRINKLERS= 13
DENSITY= .2 W/ HOSE DEMAND OF 250 GPM
HAZARD CLASS= ORDINARY GROUP 2
HEAD SPACING= 130 SQ.FT.
SYSTEM DEMAND INCLUDING HOSE @
BASE OF RISER= 585-GPM 70-PSI
SAFETY MARGIN= 14-PSI

HYDRAULIC DESIGN AREA #2 1060 SQFT PER NFPA 13 11.2.3.2.3.1



123 WASHINGTON AVE
TOTAL PROTECTED AREA 17,000 SQ.FT.
SCALE 3/16" = 1'-0"

VALVE DETAIL
NOT TO SCALE

DESIGN AREA NUMBER 1
HYDRAULIC DESIGN CRITERIA
LOCATION= RESTAURANT
TYPE OF SYSTEM= NFPA 13 WET
AREA OF OPERATION= 950-SQ.FT.
NUMBER OF SPRINKLERS= 9
DENSITY= .1 W/ HOSE DEMAND OF 100 GPM
HAZARD CLASS= LIGHT HAZARD
HEAD SPACING= 196 SQ.FT.
SYSTEM DEMAND INCLUDING HOSE @
BASE OF RISER= 299-GPM 62-PSI
SAFETY MARGIN= 24-PSI

PROJECT DESCRIPTION

BUILDING CONST:
THE BUILDING IS 1 LEVEL CONSTRUCTED WITH WOOD BEAM CEILINGS AND A COMBINATION OF MASONRY AND GYP WALLS

BUILDING OCCUPANCY:
THE BUILDING WAS BUILT AND DESIGNED FOR LIGHT HAZARD IN THE RESTAURANT AREAS AND ORDINARY GROUP 2 ELSEWHERE

SPRINKLER SYSTEM DESIGN:
A WET SYSTEM PROTECTS THE ENTIRE BUILDING
THE SPRINKLER SYSTEM WAS DESIGNED TO MEET APPLICABLE CODES REGARDING NFPA 13 2016ed FOR LIGHT AND ORDINARY HAZARDS

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

GENERAL CONTRACTOR ON RECORD:
JED HARRIS
(207) 653-8262

SPECIAL APPLICATIONS:

LEGEND:
- RN/DN PIPE RISER UP OR DOWN
- EXISTING OUTLET
- WET PIPE — LOW PIPE
- SYSTEM RISER
- PIPE PITCH ¼ MAINS ½ LINES
- SWAY BRACING
- HYDRAULIC CALC. POINT

DESIGN & SYSTEM NOTES:

POSITION, LOCATION, SPACING, AND USE OF SPRINKLERS SHALL BE IN ACCORDANCE WITH NFPA 13.

POSITION, LOCATION, SPACING, AND USE OF HANGERS SHALL BE IN ACCORDANCE WITH NFPA 13.

HYDRAULIC CALCULATION PROCEDURES HAVE BEEN DONE IN ACCORDANCE WITH NFPA 13. (SEE PLANS FOR LOCATION OF REMOTE AREAS, HYDRAULIC REFERENCE POINTS, AND SYSTEM DEMANDS.)

HIGH TECH FIRE PROTECTION IS TO BEGIN WORK AT 6" MAIN IN MECHANICAL ROOM 1" AFF

DIMENSIONS AND LOCATIONS GIVEN FOR SPRINKLER HEADS AND PIPE MAY VARY TO ACCOMMODATE ACTUAL FIELD CONDITIONS.

OWNER TO PROVIDE ADEQUATE HEAT THROUGHOUT BUILDING TO PROTECT WATER FILLED PIPING AND EQUIPMENT FROM FREEZING TEMPERATURES.

ONLY TRI-SEAL TYPE COUPLINGS TO BE INSTALLED ON DRY AND OR PRE-ACTION SYSTEMS.

OWNER IS RESPONSIBLE TO MAINTAIN THE SPRINKLER SYSTEM IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 25, "INSPECTION, TESTING, & MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS" AND/OR ALL APPLICABLE FEDERAL, STATE, AND/OR LOCAL LAWS, CODES AND ORDINANCES.

ALL MECHANICAL, ELECTRICAL AND PLUMBING TRADES TO COORDINATE THEIR WORK WITH SPRINKLER CONTRACTOR.

ALL ELECTRIC WORK IS TO BE DONE BY OTHERS.

HEAD LEGEND:

GLOBE GL5601 — 11 /155° K=5.6 — 1/2" SEMI-RECESSED WHITE PENDENT (196 SQFT IN LIGHT HAZARD)

GLOBE GL5615 — 200° / 164 /### K=5.6 / 155° — 1/2" BRASS UPRIGHT (196 SQFT IN LIGHT HAZARD) (120 SQFT IN ORDINARY HAZARD)

GLOBE GL5626 — 4 /155° K=5.6 — 1/2" HORIZONTAL SIDEWALL (14' X 14' MAX)

GLOBE GL5635 — 1 /155° K=5.6 — 1" DRY PENDENT (14' X 14' MAX)

OR APPROVED EQUAL

TOTAL HEADS ON THIS SHEET: 180

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

REVISIONS:
NO. DATE: DESCRIPTION:

DATE: APRIL 6, 2017
DESIGNER: ED PENNELL
CHECKED BY: J.FOSS / E.POULIN
NICET LEVEL: III 126801 RMS808

LOCATION:
123 WASHINGTON STREET
PORTLAND ME, 04101

DRAWING TITLE:
123 WASHINGTON STREET DISTILLERY/RESTERAUNT
FIRE PROTECTION PLAN (NFPA 13 2016ed.)

DRAWING NO.:
FP-01