

LEGEND:

- NEW PIPE RISER UP OR DOWN
- PROPOSED PIPING
- △ SYSTEM RISER
- PIPE PITCH & MAN'S ½ LINES
- ⊥ SWAY BRACING
- ⊙ HYDRAULIC CALC. POINT

DESIGN & SYSTEM NOTES:

WITH APPROVED G.O.B.E. IN FORCE THE SCHEDULE TO ALL PIPING 1 1/2" & SMALLER TO BE SCHEDULE 40 WITH APPROPRIATE FINISHES AND USE OF SPRINKLERS SHALL BE IN ACCORDANCE WITH NFPA 13. HANGERS SHALL BE IN ACCORDANCE WITH NFPA 13. ALL BEING DONE IN ACCORDANCE WITH NFPA 13. (SEE PLANS FOR LOCATION OF RISE AND SYSTEM HANGERS).
HIGH TECH FIRE PROTECTION IS TO BEIN WORK AT 6" MAN TAP NEAR OF BUILDING.
DIMENSIONS AND LOCATIONS GIVEN FOR SPRINKLER ACTUAL FIELD CONDITIONS TO ACCOMMODATE OWNERS TO PROVIDE ADEQUATE HEAT THROUGHOUT BUILDING TO PROTECT WATER FILLED PIPING AND EQUIPMENT FROM FREEZING TEMPERATURES.
OWNER IS RESPONSIBLE TO MAINTAIN THE SPRINKLER OF WATER-BASED FIRE PROTECTION SYSTEMS AND/ OR WATER-BASED FIRE PROTECTION SYSTEMS AND/ OR LINES, CORES AND BRANCHES, AND/OR LOCAL ON DRY AND BE FIRE ACTION SYSTEMS.
ALL MECHANICAL, ELECTRICAL AND PLUMBING TRADES TO COORDINATE THEIR WORK WITH SPRINKLER CONTRACTOR.
ALL ELECTRICAL WORK IS TO BE DONE BY OTHERS.
HEAD LEGEND:

G.O.B.E.*
MODEL QLS675
(K-5.5/B)

1/2" BRASS UPRIGHT DEFLECTOR ON THE LINE BELOW COMBUSTIBLE CEILINGS

1/2" BRASS HORIZONTAL SIDEWALL DEFLECTOR AT 6" BELOW OVERHEAD DOOR

G.O.B.E.*
MODEL QLS656
(K-5.5/B)

1" DRY PENDENT CHROME IN COOLERS ZPC DEEP ESC.

G.O.B. APPROVED EQUAL

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

NO. DATE: DESCRIPTION:

DATE: DECEMBER 30, 2016
DESIGNER: ED BOLLIN (GMS# 515)
CHECKED BY: AL FOSS # 108354

LOCATION:
THOMPSONS POINT
PORTLAND, ME

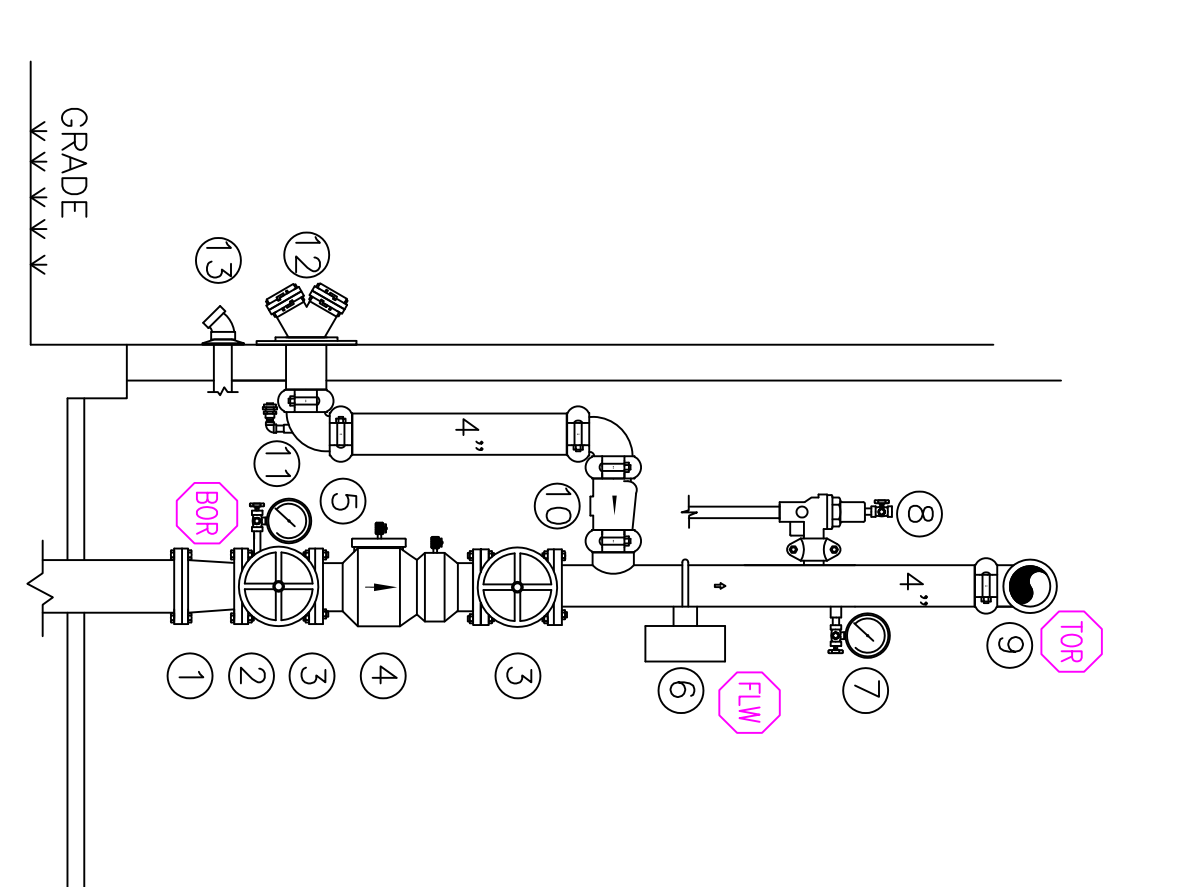
DRAWING TITLE:
BRICK SOUTH
AT THOMPSONS POINT
(MATCHLINE-W)

FIRE PROTECTION PLAN
(NFPA 13 2016ed.)

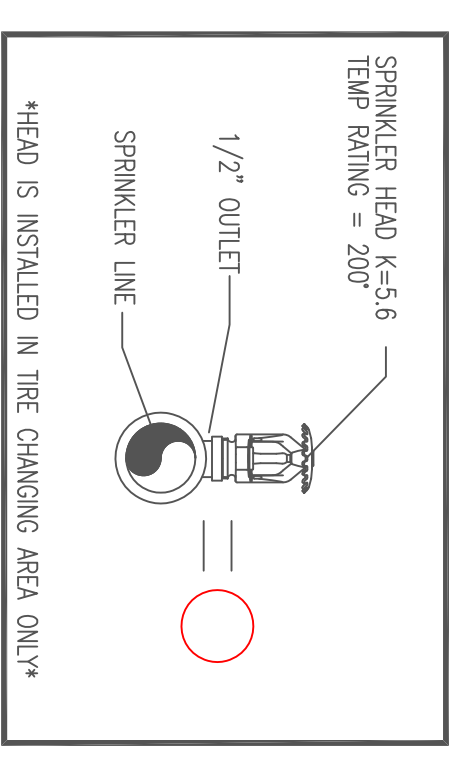
DRAWING NO.:
FP-01

SPRINKLER RISER COMPONENTS

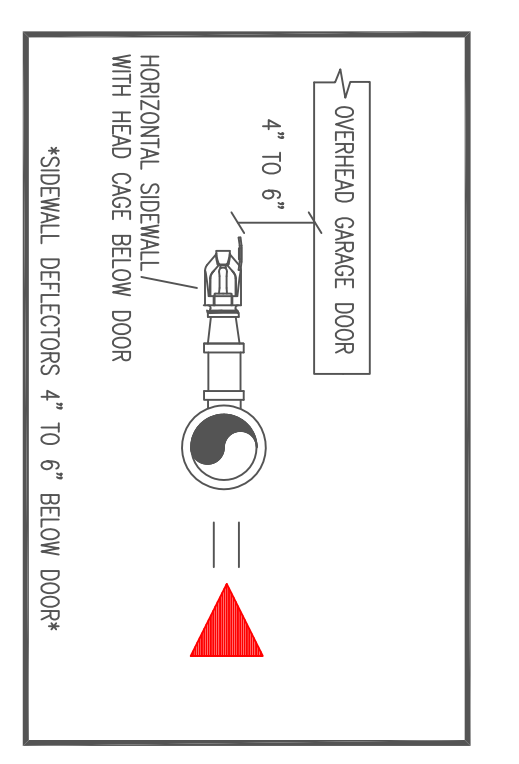
1. 6" DI. UNDERGROUND SPRINKLER TO GATE VALVE
2. 4" GATE VALVE WITH POTTER GOSWILL-TAMPER SWITCH
3. 4" WILKINS 3500ST BACKFLOW PREVENTER
4. 4" WILKINS 3500ST BACKFLOW PREVENTER
5. 4" WILKINS 3500ST BACKFLOW PREVENTER
6. 4" WILKINS 3500ST BACKFLOW PREVENTER
7. SYSTEM SIDE PRESSURE GAUGE
8. 2" WILKINS 3500ST BACKFLOW PREVENTER
9. 2" WILKINS 3500ST BACKFLOW PREVENTER
10. 4" SWING CHECK VALVE FOR F.D.C. FEED 48" MINIMUM FROM EXTERIOR
11. 1/2" AUTOMATIC BALL VALVE ABOVE GRADE (SEE PLAN FOR LOCATION)
12. 2" MAIN DRAIN DISCHARGE TO EXTERIOR (SEE PLAN FOR LOCATION)
13. 2" MAIN DRAIN DISCHARGE TO EXTERIOR (SEE PLAN FOR LOCATION)



1.3 RISER DETAIL
SCALE: N.T.S.



1.2 SPRINKLER HEAD DETAIL
SCALE: N.T.S.



PROJECT DESCRIPTION

THE BUILDING IS 1 LEVEL OF NEW ASSEMBLY OCCUPANCY INSULATED OF WOOD-STEEL-BRICK FRAMING, FIBERGLASS INSULATION, AND GYP BOARD TYPE 3 CONSTRUCTION. BUILDING OCCUPANCY: THE BUILDING IS A CHANGE OF USE TO NEW ASSEMBLY OCCUPANCY AS SHOWN ON PLAN.
NEW NET SYSTEM FOR THE ENTIRE BUILDING IN ACCORDANCE WITH NFPA 13 2016ed.
THE BUILDING USE GROUP IS ORDINARY HAZARD GROUP 1. GC TO PROPERLY INSULATE AROUND SPRINKLER PIPING TO PREVENT WATER FILLED PIPE FROM FREEZING.
THE SPRINKLER SYSTEM IS DESIGNED TO MEET APPLICABLE CODE REQUIRING AN NFPA 13 2016ed.

1.1 WEST SECTION 'A'
SCALE 1/8" = 1'-0"



1 WEST SECTION (WEST)
TOTAL PROTECTED AREA 19,200 SQ.FT.
SCALE 1/8" = 1'-0"

HYDRATION AREA NUMBER 1+
HYDRATION DESIGN CRITERIA
TYPE OF SYSTEM: WET
NUMBER OF SPRINKLERS: 20
NUMBER OF BRANCHES: 11
NUMBER OF MAINS: 1
TYPE OF MAINS: 1 1/2" DI. WET
TYPE OF RISERS: 4 1/2" DI. WET
TYPE OF RISER: 4 1/2" DI. WET
TYPE OF RISER: 4 1/2" DI. WET