Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 01/23/14

SYSTEM CLASSIFICATION

EXISTING DRY SYSTEM IS NFPA 13 ORDINARY HAZARD GROUP II
EXISTING BUILDING IS A PARKING GARAGE LOCATED AT THE PORTLAND JETPORT ALL AREAS OF BUILDING CURRENTLY MEET GUIDELINES OF NFPA 13 AND THE AHJ, CITY OF PORLTAND ME.

GENERAL NOTES

SCOPE OF WORK CONSISTS OF REPLACE EXISTING PIPING WITH ALL NEW GALVAINZED PIPE ON ZONES 1&2 OF LOWER LEVEL PARKING GARAGE ONLY.
MAIN WILL BE 4" GALVANIZED SCH 10 WITH GROOVED FITTINGS AND WELD O LETS.
LINES WILL BE 1.5" SCH 40 WITH GROOVED FITTINGS AND WELD O LETS.
ALL RISERS AND ARM OVERS ARE TO BE THREADED GALVANIZED SCH 40 WITH SCREWED CAST IRON FITTINGS.
ALL HANGERS AND SPRINKLER HEADS ARE TO BE REPLACED
SPRINKLER MAIN IS TO BE PITCHED @ 1/4" per 10'.
SPRINKLER LINES ARE TO BE PITCHED @ 1/2" per 10'.
SPRINKLER HEAD LOCATIONS AND VALVE COMPONENTS ARE TO REMAIN THE SAME.
ALL WORK IS TO BE COORDINATED WITH THE PORTLAND JETPORT
ALL REPLACED LOW POINT DRAINS WILL BE WRAPPED WITH HEAT TRACE

LEGEND:

- RISER LOCATION
- RISE OR DROP
- GROOVED COUPLING
- (XX) HYDRAULIC REFERENCE POINT
- [X–X] CEILING HEIGHT
- HANGER
- EXISTING SPRINKLER PIPING
- NEW SPRINKLER PIPING
- HYDRAULIC REFERENCE AREA
- F k= X'–X" FINISHED FLOOR TO PIPE CENTERLINE
- TOS k= X'–X" TOP OF STEEL TO PIPE CENTERLINE
- BOJ k= X'–X" BOTTOM OF JOIST TO PIPE CENTERLINE
- BOT k= X'–X" BOTTOM OF TRUSS TO PIPE CENTERLINE

RISER NIPPLE SECTION (ELEVATION VIEW)
NOT TO SCALE

EXISTING HANGER DETAIL

SITE PLAN
SCALE: N.T.S.

EXISTING VALVE SECTION
Not to Scale

12–FDC CHECK VALVE
11–POTTER OSYSU–2 TAMPER SWITCH
10–12CT SPARE HEAD BOX
9–1/4" AIR PRESSURE GAGUGE
8–WATER PRESSURE SWITCH ZONE 2
7–WATER PRESSURE SWITCH ZONE 1
6–6" BUTTERFLY VALVE
5–4" BUTTERFLY VALVE
4–4" VICTAULIC DRY PIPE VALVE W/TRIM
3–2" MAIN DRAIN
2–4" STORZ FIRE DEPT. CONNECTION
1–8" ZURN BACKFLOW

ZONE 1

207 / 155°F	RELIABLE F1FR56	BRASS UPRIGHT 1/2" K=5.6 SIN RA1124
180 / 155°F	RELIABLE F1FR56	BRASS UPRIGHT 1/2" K=5.6 SIN RA1124

ZONE 2

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