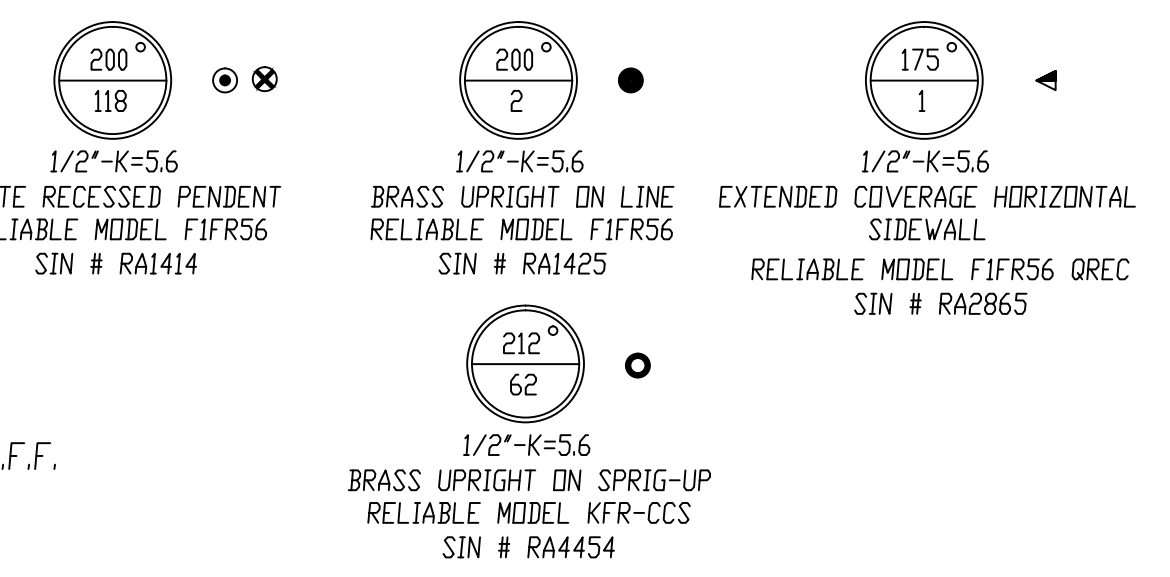


FIRE SPRINKLER PLAN - SECOND FLOOR PIPING

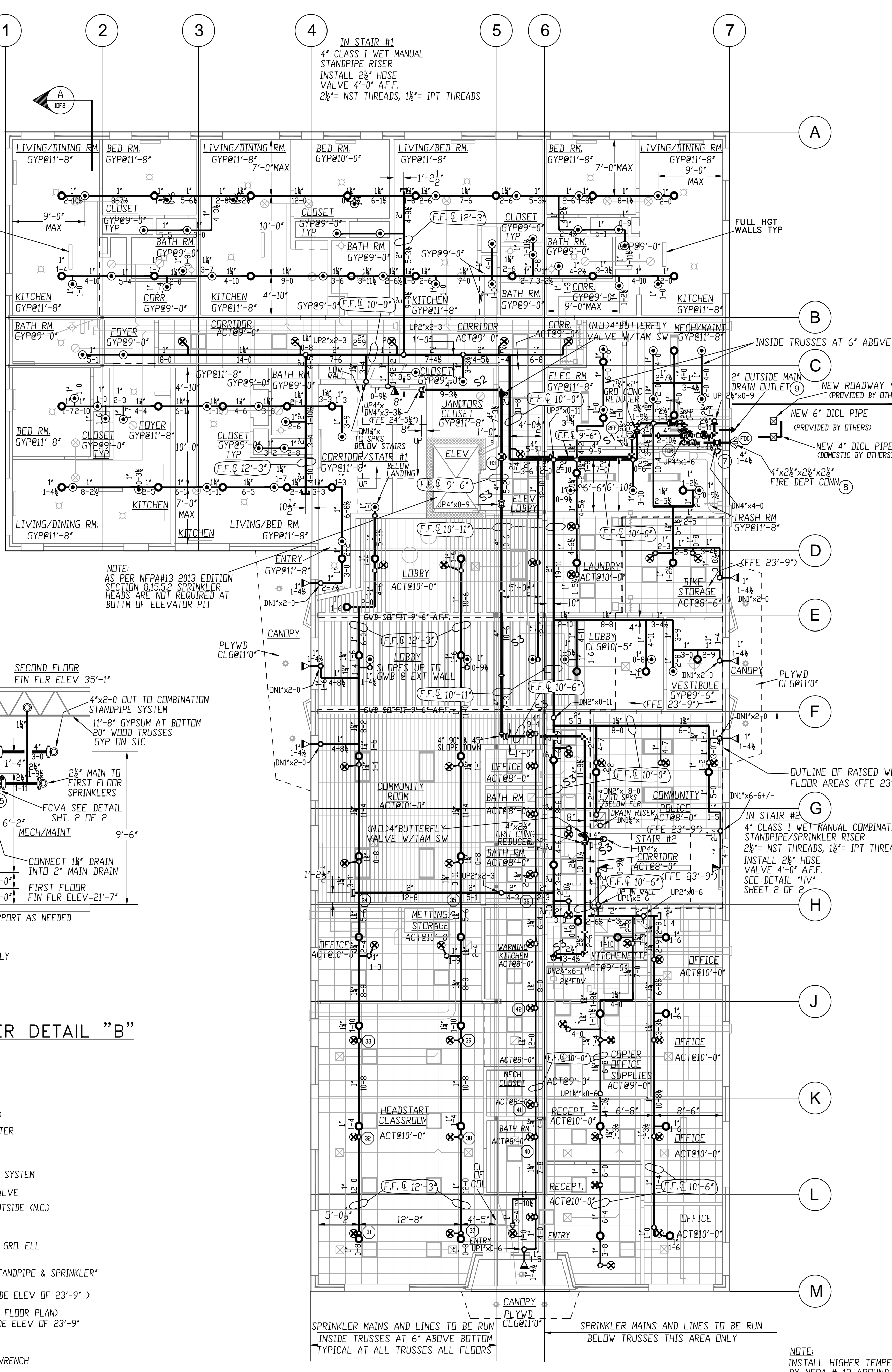
SCALE: 1/8"=1'-0"
 AREA PROTECTED: 9488 SQFT.
 FINISH FLOOR ELEVATION 35'-1"

NOTE: ALL SECOND FLOOR GYPSUM CEILINGS @ 8'-2" AFF. UND.
 ALL SECOND FLOOR BATH/PANTRY/CLOSET GYP CLGS @ 7'-6" AFF.
 ALL SECOND FLOOR KITCHEN GYPSUM @ 8'-2" AFF.
 ALL SECOND FLOOR CORRIDOR SUSPENDED ACT @ 7'-6" AFF.



GENERAL NOTES

ALL WIRING TO BE DONE BY OTHERS
 SPRINKLER SYSTEM INSTALLATION TO COMPLY WITH NFPA PAMPHLET # 13 2007
 ALL DIMENSIONS ARE SHOWN FOR GENERAL LOCATION OF SPRINKLER HEADS / PIPING MAY VARY TO SUIT ACTUAL FIELD CONDITIONS.
 ACUSTICAL CEILING TILE (ACT) TO BE LISTED NON-COMBUSTIBLE WITH UL FLAME SPREAD OF LESS THAN 25.
 ALL PENDENT SPRINKLER HEADS INSTALLED IN ACUSTICAL CEILING TILES TO BE CENTERLINE OF TILE W/ FLEX CONN.
 OCCUPANCY DESCRIPTION AND CLASSIFICATION: APARTMENTS; COMMUNITY AREAS; CLASSROOMS; KITCHENS; OFFICES; BATHROOMS AND CORRIDORS LIGHT HAZARD
 JANITORS, STORAGE, ELEC RM MECHANICAL AREAS, AND LAUNDRY ROOM ORDINARY I HAZARD
 MAXIMUM HEIGHT OF STORAGE NOT TO EXCEED 8'-0"
 ○ = INDICATES HYDRAULIC REFERENCE POINTS.
 F.F. & INDICATES FINISH FLOOR UP TO CENTERLINE OF PIPE.
 CLG & INDICATES CEILING DOWN TO CENTERLINE OF PIPE.
 T.T. & INDICATES TOP OF TRUSS DOWN TO CENTERLINE OF PIPE.
 NAS= NO AUTOMATIC SPRINKLER
 FCVA= FLOOR CONTROL VALVE ASSEMBLY
 SIC= SOUND ISOLATION CLIP



FIRE SPRINKLER PLAN - FIRST FLOOR PIPING

SCALE: 1/8"=1'-0"
 AREA PROTECTED: 9488 SQFT.
 FINISH FLOOR ELEVATION 21'-7" (UND)

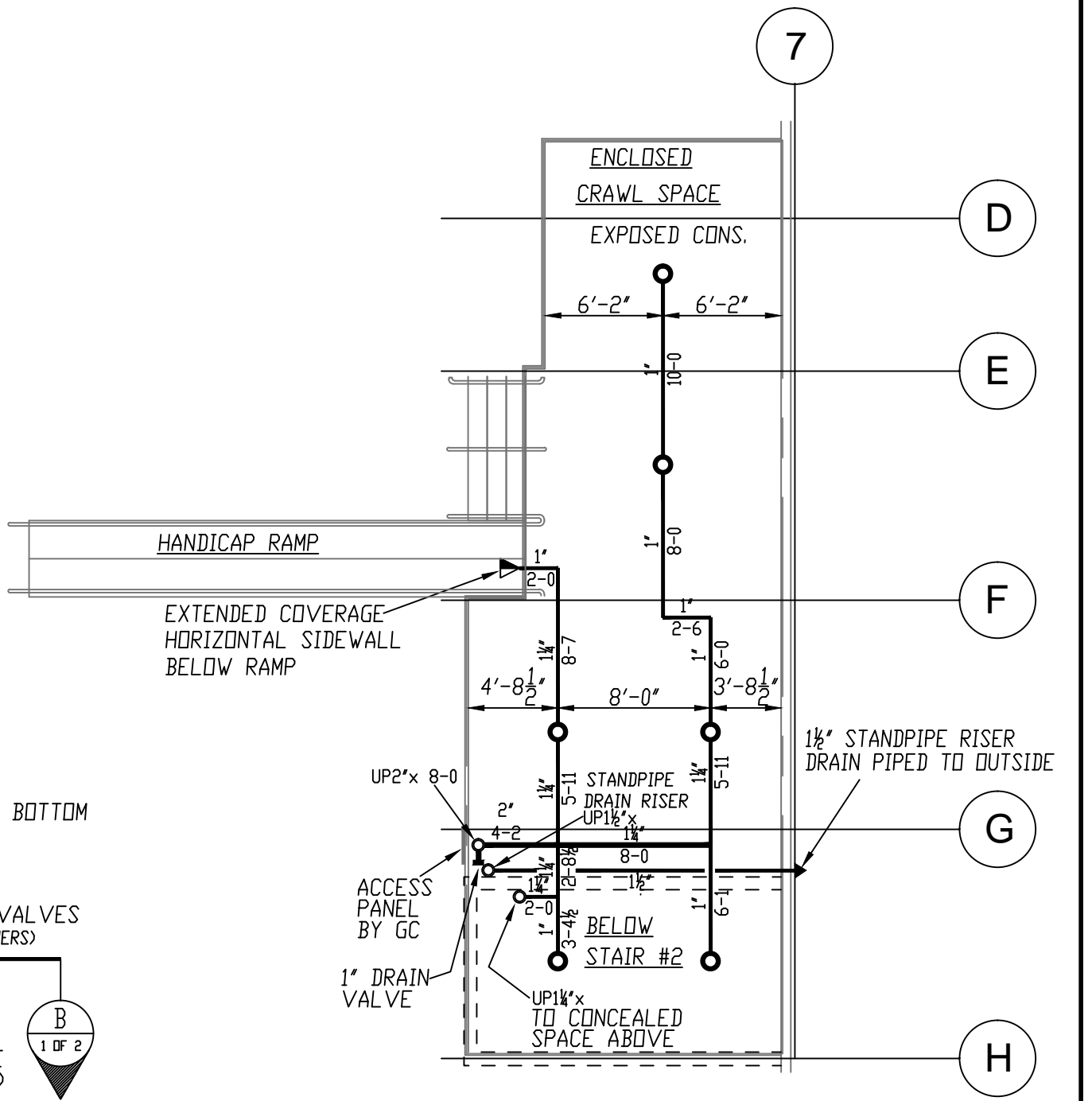
WATER DATA

STATIC: 102 PSI
 RESIDUAL: 100 PSI
 FLOW: 1250 GPM
 PITOT: ## PSI
 ELEVATION: 21'-7"
 DATE: 06/20/12
 TIME: 11:05 AM
 INFORMATION PROVIDED BY PORTLAND WATER DISTRICT

NOTE: ALL EXISTING UNDERGROUND IS TO REMAIN AS-IS
 ALL NEW UNDERGROUND TO BE INSTALLED, TESTED AND FLOSHED BY OTHERS IN ACCORDANCE WITH NFPA # 24
 (ALL NEW UNDERGROUND TO BE DONE BY OTHERS)
 EASTERN FIRE PROTECTION CO. TO START AT NEW 6" UNI-FLANGE (BY OTHERS) LOCATED IN THE MECH./MAINT. ROOM

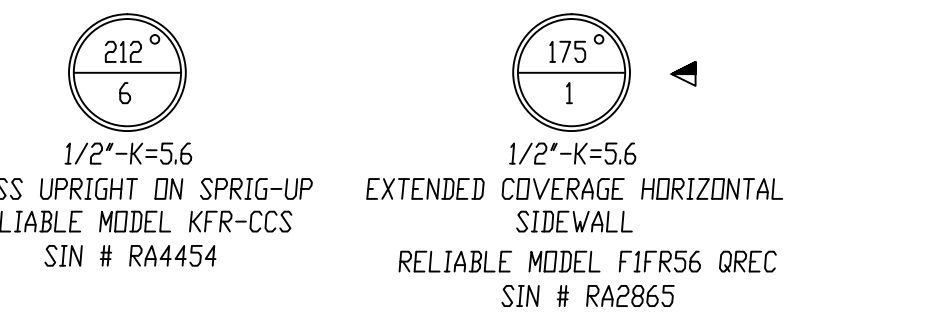
WATER SUPPLY PLAN

NOT TO SCALE



FIRE SPRINKLER PLAN - RAISED FIRST FLOOR

SCALE: 1/8"=1'-0"
 AREA PROTECTED: 715 SQFT.
 FINISH FLOOR ELEVATION 21'-7"



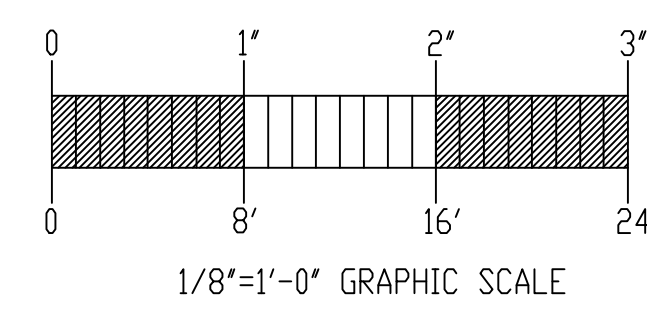
SPRINKLER VALVE RISER DETAIL "B"

DIAGRAMMATIC NOT TO SCALE

LEGEND

- 6" UNI-FLANGE FOR DIOL PIPE (BY OTHERS)
- 2 1/2" AMES COLT C200BFG BACKFLOW PREVENTER W/ GROOVED BUTTERFLY VALVES (ND)
- 2 1/2" POTTER VSR-28 WATERFLOW SWITCH WIRED BY OTHERS TO BUILDING FIRE ALARM SYSTEM
- WATER PRESSURE GAUGE WITH 1/2" 3-WAY VALVE
- 2" TEST & MAIN DRAIN VALVE PIPED TO OUTSIDE (N.C.)
- 4" GROOVED CHECK VALVE
- 1/2" AUTOMATIC BALL DRIP AT BOTTOM OF 4" GRD. ELL PIPE TO OUTSIDE DISCHARGE
- 4"x2 1/2"x2 1/2" F.D. CONNECTION MARKED 'STANDPIPE & SPRINKLER' EXPOSED BODY (SEE FIRST FLOOR PLAN) CENTERLINE ELEV 26'-9" (36" ABOVE GRADE ELEV OF 23'-9")
- 2" OUTSIDE MAIN DRAIN OUTLET (SEE FIRST FLOOR PLAN) CENTERLINE ELEV 25'-6" (21" ABOVE GRADE ELEV OF 23'-9")
- 4"x2 1/2" GROOVED CONCENTRIC REDUCER
- 12 HEAD CAPACITY STORAGE BOX W/ HEAD WRENCH
- PIPE SUPPORT AS NEEDED
- 2 1/2" BUTTERFLY VALVE WITH TAMPER SWITCH (ND)
- 2 1/2" GROOVED CHECK VALVE (SEE FIRST FLOOR PLAN)
- 2 1/2" (FIRST) FLOOR CONTROL VALVE ASSEMBLY (FCVA SEE DETAIL SHT. 2 OF 2)

ND = NORMALLY OPEN
 N.C. = NORMALLY CLOSED
 ALL ELECTRICAL WIRING BY OTHERS



NOTE: ALL PIPE CUTS SHOWN ARE FROM CENTER TO CENTER OF FITTINGS

GENERAL NOTES

ALL MAIN PIPING (2 1/2"-4") TO BE SCHEDULE # 10 BLACK WITH GROOVED ENDS & WELDED OUTLETS JOINED BY MECHANICAL COUPLINGS
 SPRINKLER MAIN & LINE PIPING (1"-2") ON ALL FLOORS TO BE CPVC PLASTIC PIPE (C=150) JOINED W/ SOLVENT CEMENTED CPVC FITTINGS
 ENTIRE SPRINKLER SYSTEM INSTALLATION TO COMPLY WITH NFPA PAMPHLET # 13, 2007 EDITION
 OWNER TO PROVIDE SUFFICIENT HEAT THROUGHOUT BUILDING TO PREVENT FREEZING OF WATER FILLED SPRINKLER PIPING AND EQUIPMENT. (40° F)
 ALL DIMENSIONS ARE SHOWN FOR GENERAL LOCATION OF SPRINKLER HEADS / PIPING MAY VARY TO SUIT ACTUAL FIELD CONDITIONS.
 ○ = INDICATES HYDRAULIC REFERENCE POINTS.
 ALL WIRING TO BE DONE BY OTHERS
 DN INDICATES VERTICAL PIPE DOWN
 UP INDICATES VERTICAL PIPE UP

REQUIRED APPROVALS

OWNER / ARCHITECT
 STATE FIRE MARSHAL
 PORTLAND FIRE DEPARTMENT
 DRAWN BY: JWD
 NICET LEVEL III CERT# 116803
 CHECKED BY: WAF
 NICET LEVEL III CERT# 095574
 CONTRACTOR LICENSE # 101
 CONTRACTOR RMS # 368

BAYSIDE ANCHOR
 81 EAST OXFORD STREET
 PORTLAND, MAINE 04101

FIRE SPRINKLER CONTRACTOR:
EASTERN FIRE PROTECTION
 AUBURN/LEWISTON INDUSTRIAL AIRPARK, AUBURN, MAINE 04210

CONTRACT WITH:
WRIGHT RYAN CONSTRUCTION, INC.

DWG. NO.	FIRE SPRINKLER
1 OF 2	PLANS AND DETAILS
JOB NUMBER	SCALE
AU-5444-16	AS NOTED
	DATE
	05/02/16