

HYDRAULIC-SYSTEM

THIS BUILDING IS PROTECTED BY A HYDRAULICALLY DESIGNED AUTOMATIC SPRINKLER SYSTEM. (GRILL LOBBY) LOCATION: CONCOURSE LEVEL

No. of SPRINKLERS: 15 (CALCULATED)

BASIS OF DESIGN:

1. DENSITY (GPM/SQ.FT.) .15

2. DESIGNED AREA OF DISCHARGE (sq.ft.) 1125

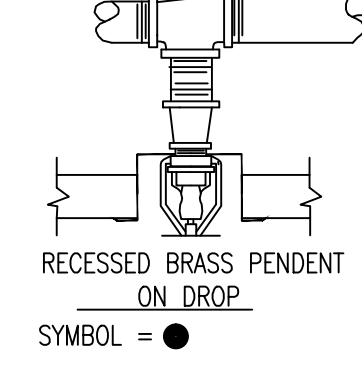
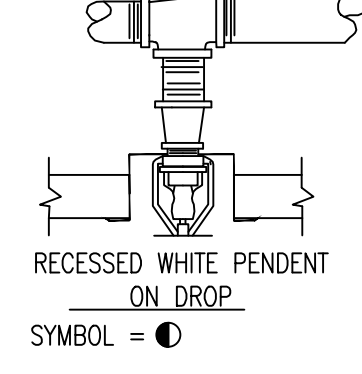
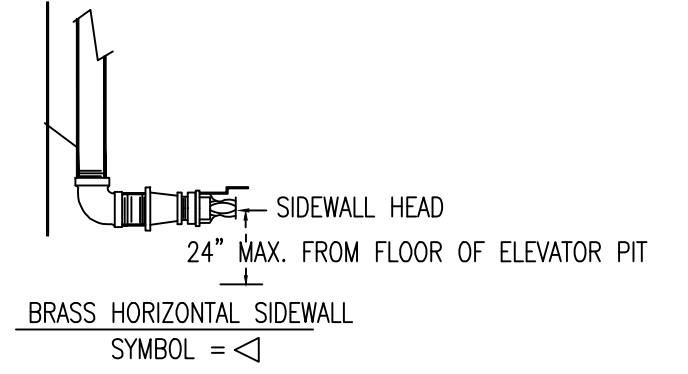
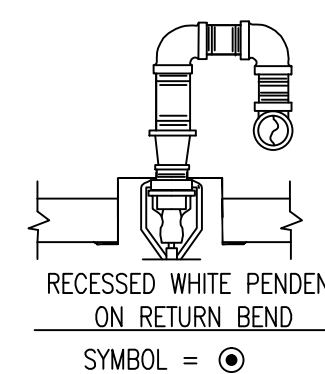
SYSTEM DEMAND:

1. WATER FLOW RATE (GPM) 547.07

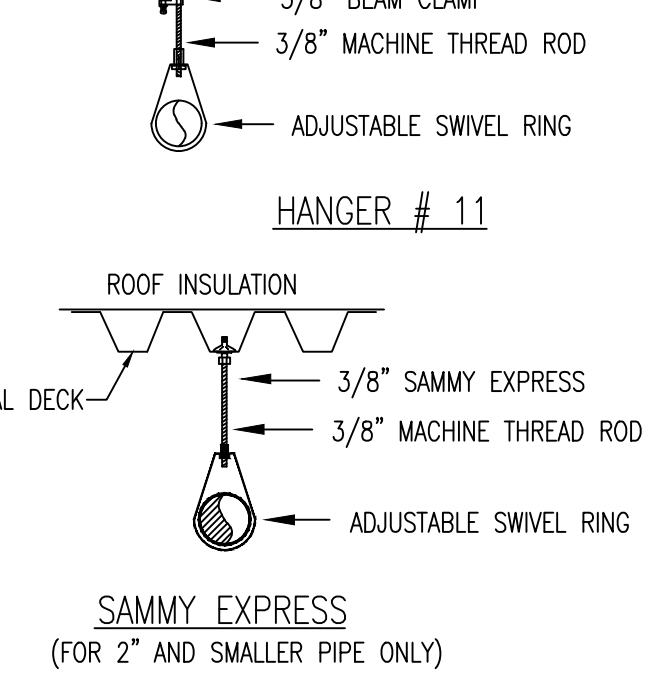
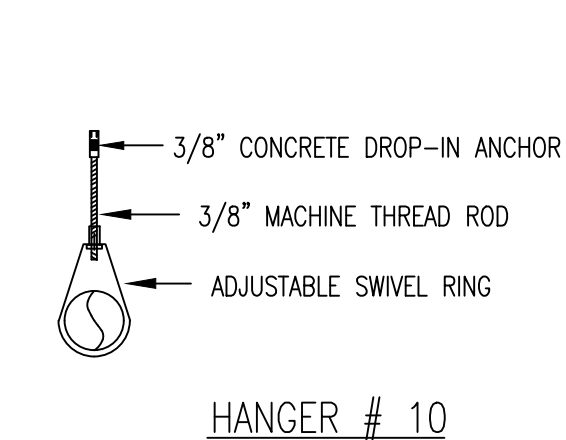
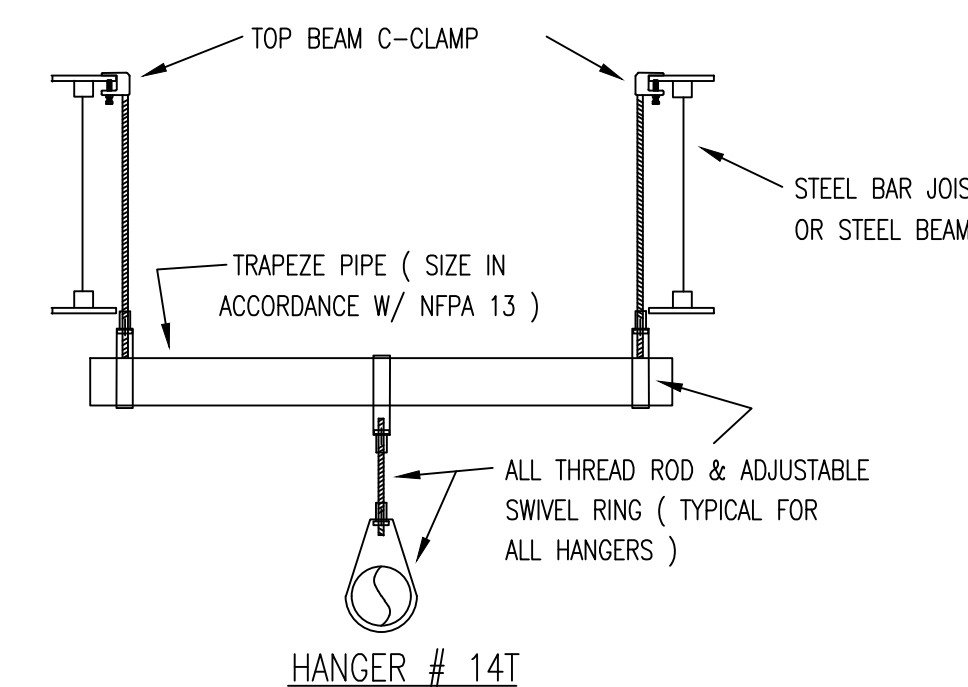
2. RESIDUAL PRESSURE AT THE BASE OF THE PUMP 51.4 (PSI)

HYDRAULIC DATA NAMEPLATE
TO BE MOUNTED AT SYSTEM RISER

NOTE: ALL PENDENT SPRINKLER HEADS TO BE INSTALLED CENTERLINE OF NARROW DIM. IN ACOUSTICAL CEILING TILE



SPRINKLER HEAD DETAILS
NOT TO SCALE



ALL HANGERS TO BE PROVIDED AND INSTALLED AS PER NFPA # 13 3/8" ROD FOR 1" TO 4" PIPE

BEAM CLAMP TO BE ATTACHED TO ANGLE OF STEEL JOIST AND/OR BEAM FLANGES

HANGER DETAILS
NOT TO SCALE

GENERAL NOTES

- ALL WIRING TO BE DONE BY OTHERS
- HEADS TO BE LOCATED IN CENTER OF NARROW DIMENSION ACOUSTICAL CEILING TILE. HEADS TO BE LOCATED 1'-0"± FROM EDGE OF ACOUSTICAL TILE
 - ALL DIMENSIONS ARE SHOWN FOR GENERAL LOCATION OF SPRINKLER HEADS; PIPING MAY VARY TO SUIT ACTUAL FIELD CONDITIONS.
 - ACOUSTICAL CEILING TILE (ACT) TO BE LISTED NON-COMBUSTIBLE WITH UL FLAME SPREAD OF LESS THAN 25.
 - OCCUPANCY DESCRIPTION AND CLASSIFICATION: OFFICE & BATH ROOMS LIGHT HAZARD STORAGE ORDINARY HAZARD I BUILDING SERVICE AREAS & MECHANICAL SPACES ORDINARY HAZARD I ARENA ORDINARY HAZARD II
 - = INDICATES HYDRAULIC REFERENCE POINTS. F.F. ◊ INDICATES FINISH FLOOR UP TO CENTERLINE OF PIPE. D ◊ INDICATES DECK DOWN TO CENTERLINE OF PIPE.
 - STORAGE OF MATERIAL SHALL NOT EXCEED 8'-0" IN HEIGHT.
 - ELECTRICAL, HVAC, AND PLUMBING CONTRACTORS TO INSTALL EQUIPMENT, AND DEVICES AS TO NOT INTERFERE WITH AUTOMATIC SPRINKLER PIPING, AND SPRINKLER HEADS.

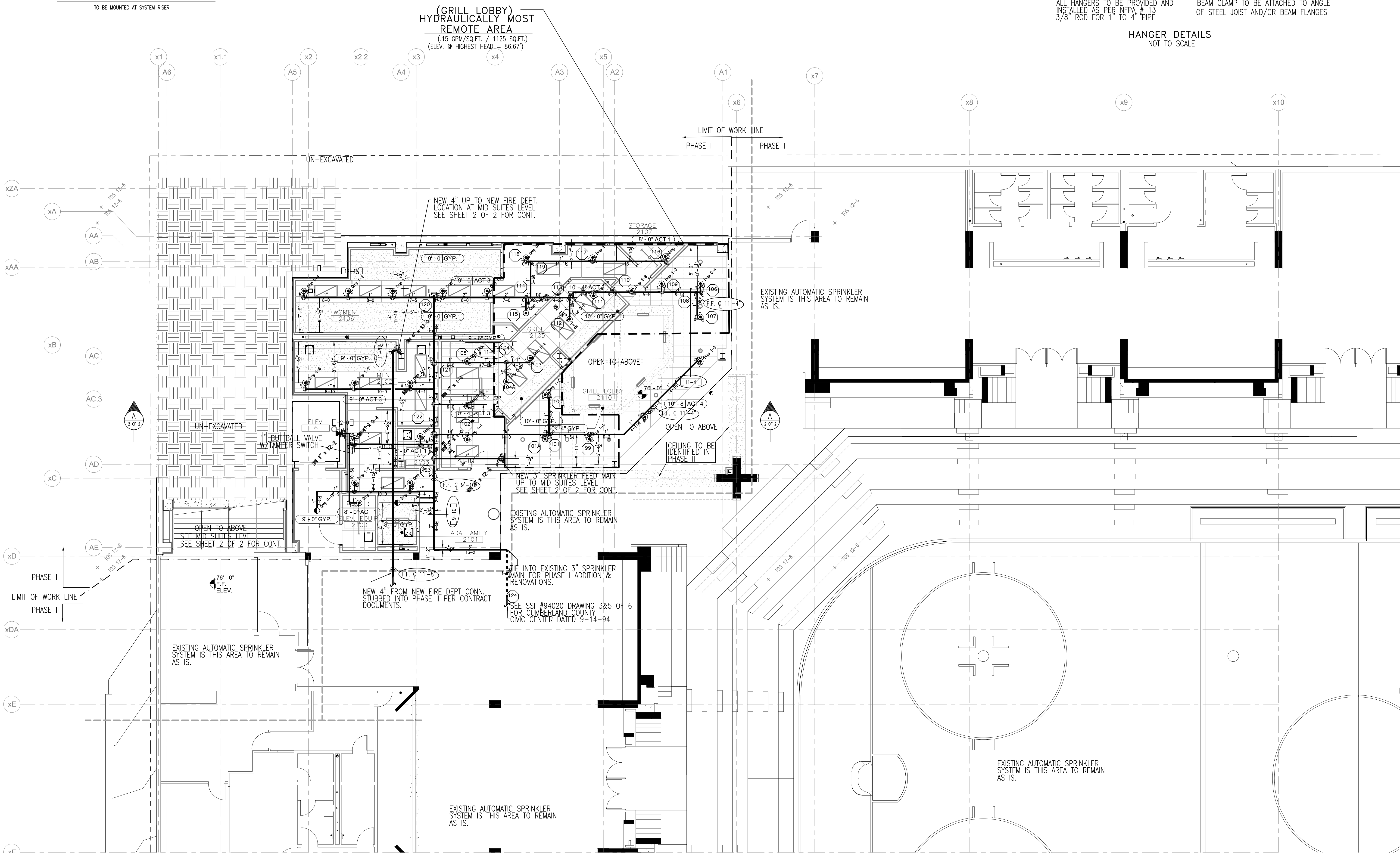
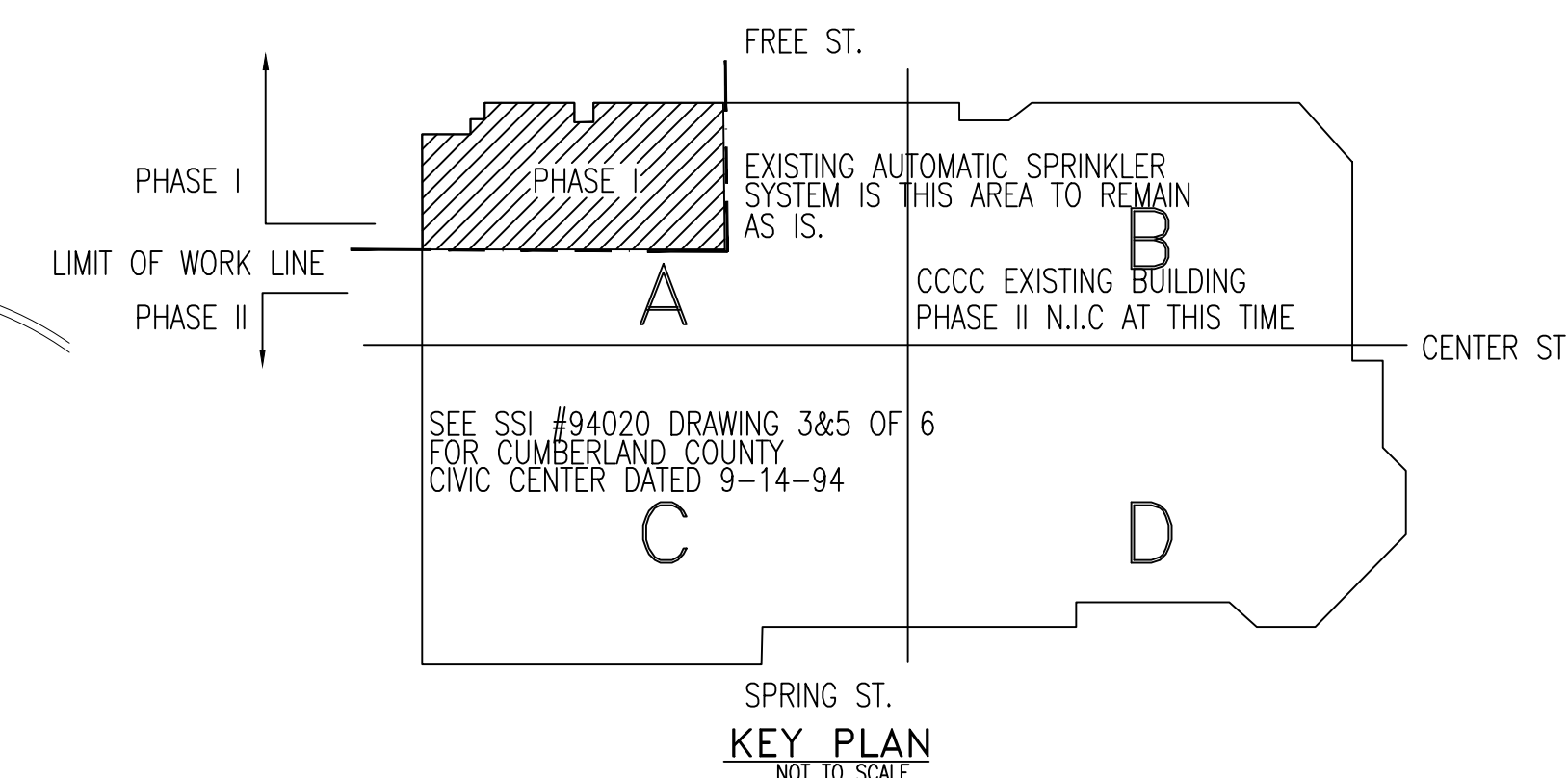
----- INDICATES EXISTING SPRINKLER SYSTEM PIPING
————— INDICATES NEW SPRINKLER SYSTEM PIPING

SCOPE OF WORK

- ALL WIRING TO BE DONE BY OTHERS
- EXTEND EXISTING WET SPRINKLER SYSTEM AND STANDPIPE SYSTEM INTO 2012 ADDITION AND RENOVATION AREA FOR PHASE I ONLY.
 - ALL EXISTING AUTOMATIC SPRINKLER SYSTEMS OUTSIDE OF PHASE I TO REMAIN AS IS. N.I.C. AT HIS TIME.
 - INSTALL NEW FIRE DEPARTMENT CONNECTION IN PHASE I AREA AND ROUGH IN MAIN TO OUTSIDE LIMIT OF PHASE I
 - EXISTING FIRE PUMP, SPRINKLER, AND STANDPIPE RISERS TO REMAIN AS IS. EASTERN FIRE PROTECTION TO START AT EXISTING MAINS INSIDE BUILDING.

FOR EXISTING SPRINKLER SYSTEM FIRE PUMP ARRANGEMENT, SITE PLAN, AND WATER DATA SEE ATTACHED EFP DRAWING #L-3-75 DATED 6-19-1975

FOR BUILDING SECTION "A-A" SEE SHEET 2 OF 2



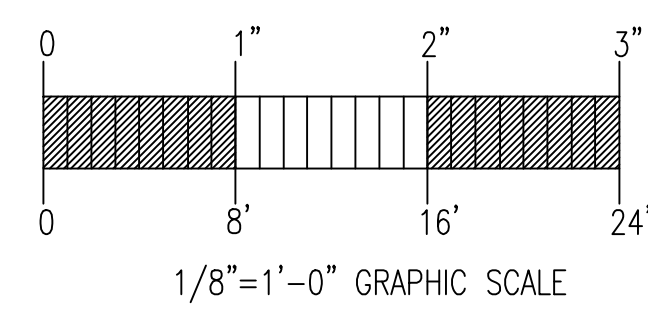
FIRE SPRINKLER PLAN - CONCOURSE FLOOR LEVEL

SCALE: 1/8"=1'-0"
AREA PROTECTED: 3,238 SQ.FT.
FINISH FLOOR ELEVATION : 76'-0"
COLOR CODE:

NOTE: AREA PROTECTED AND SPRINKLER HEAD COUNT FOR PHASE I ADDITION & RENOVATIONS ONLY TO LIMIT OF WORK LINE

Symbol	Count	Thread	K-Factor	Description	Note
○	33	1/2"	5.6	TYCO TY-FIB TY2331 1/2 QR 200 on Loop WHITE RECESSED PENDENT	
●	2	1/2"	5.6	TYCO TY-FIB TY2331 1/2 QR 200 on Drop WHITE RECESSED PENDENT	
◁	1	1/2"	5.6	TYCO TY-B TY351 1/2 SR 200 on Line BRASS HORIZONTAL SIDEWALL	

36 = Total Number of Heads this Floor



GENERAL NOTES	DATE	REVISIONS	REQUIRED APPROVALS	C.C.C.C. PHASE I ADDITION & RENOVATION PORTLAND, MAINE	FIRE SPRINKLER PLANS & DETAILS
SPRINKLER SYSTEM INSTALLATION TO COMPLY WITH NFPA PAMPHLET # 13 2010 ED. & SPEC SEC 211313 STANDPIPE SYSTEM INSTALLATION TO COMPLY WITH NFPA PAMPHLET # 14 2010 ED. & SPEC SEC 211200 NEW BRANCH LINE PIPING TO BE BLACK SCHEDULE 40 JOINED BY THREADED DUCTILE IRON FITTINGS NEW MAIN PIPING TO BE SCHEDULE # 10 BLACK WITH GROOVED ENDS & WELDED OUTLETS JOINED BY MECHANICAL COUPLINGS OWNER TO PROVIDE SUFFICIENT HEAT THROUGHOUT BUILDING TO PREVENT FREEZING OF WATER FILLED SPRINKLER PIPING AND EQUIPMENT. (40' F)			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		