

02 | DUMPSTER SCREEN / STORAGE

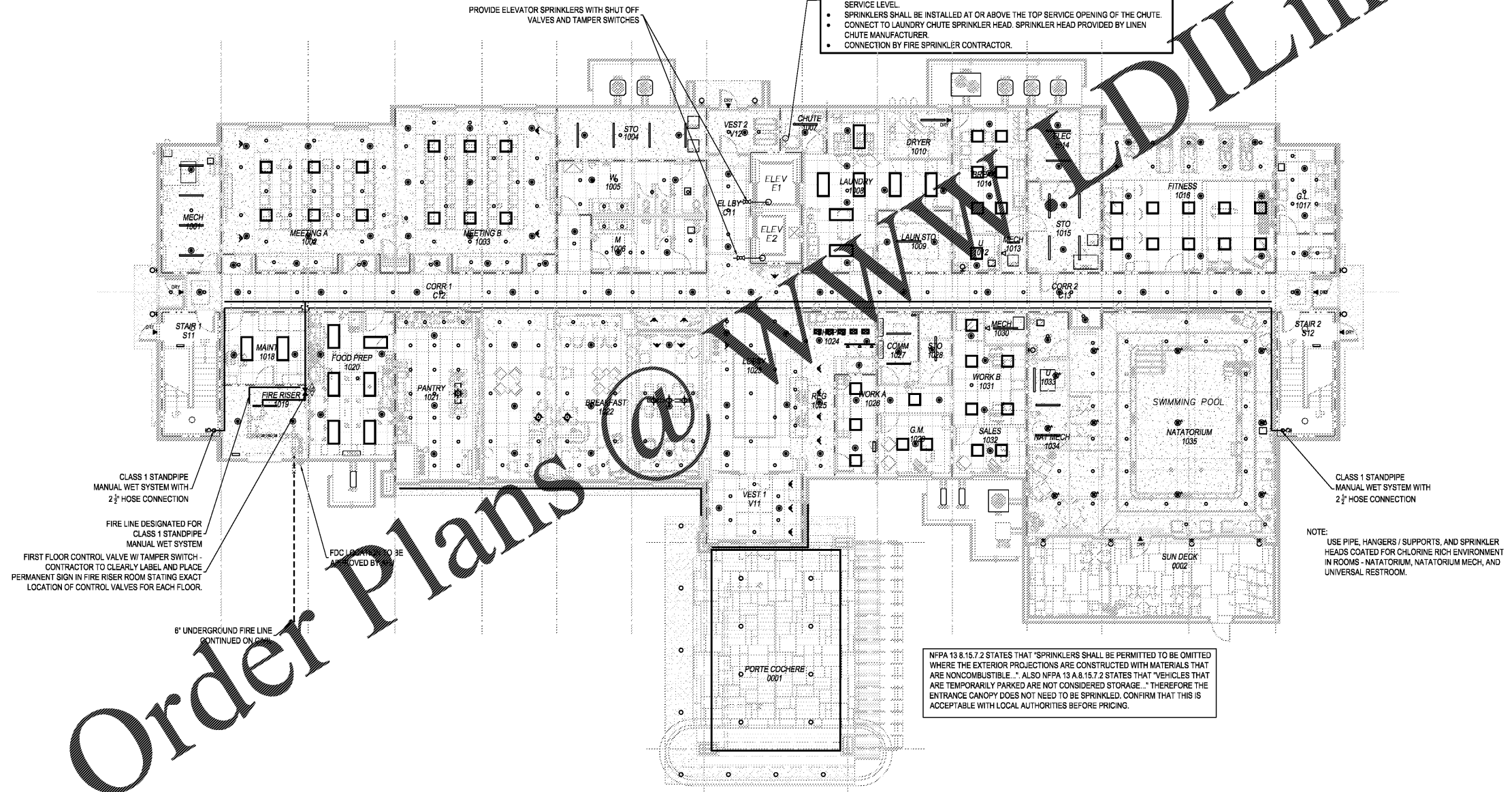
FIRE SPRINKLER LEGEND		
SYMBOL	FINISH	DESCRIPTION
●	WHITE	CONCEALED PENDENT SPRINKLER
○	WHITE	PENDENT SPRINKLER
○	CHROME	DRY PENDENT SPRINKLER
○	CHROME	UPRIGHT SPRINKLER
○	WHITE	SIDEWALL SPRINKLER
○	CHROME	DRY SIDEWALL SPRINKLER
○	WHITE	COATED SPRINKLER FOR CHLORINE RICH ENVIRONMENT

ALL SPRINKLERS ARE QUICK RESPONSE.

ABBREVIATIONS	
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
REF.	FOR REFERENCE ONLY

- SPRINKLER DESIGN INTENT**
- THIS IS WET SYSTEM WITH NFPA-13 DESIGN. CONTRACTOR SHALL PROVIDE A COMPLETE COMPLIANT SYSTEM (WHETHER INDICATED ON THE PLANS OR NOT). PIPING CLASS 1, SCHEDULE 40 ASTM A-120 BLACK STEEL PIPING, DRY SYSTEMS REQUIRE GALVANIZED PIPING AND FITTINGS. CPVC (BLAZEMASTER OR APPROVED EQUAL) FIRE SPRINKLER PIPING IS PERMITTED IF APPROVED BY LOCAL JURISDICTION. CONTRACTOR IS RESPONSIBLE TO ASSURE CPVC IS IN COMPLIANCE WITH LOCAL JURISDICTIONAL REQUIREMENTS PRIOR TO BID.
  - FITTINGS 2" AND SMALL FITTINGS ARE 150# C.I. SCREWED 2" AND LARGE FITTINGS ARE GROOVED. MECHANICAL TEES OR WELD OUTLETS, CPVC (BLAZEMASTER OR APPROVED EQUAL) FIRE SPRINKLER PIPING IS PERMITTED IF APPROVED BY LOCAL JURISDICTION. CONTRACTOR IS RESPONSIBLE TO ASSURE CPVC IS IN COMPLIANCE WITH LOCAL JURISDICTIONAL REQUIREMENTS PRIOR TO BID.
  - CPVC INSTALLATION: ALL INSTALLATION AND PAINTING SHALL BE DONE IN STRICT ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. INSTALLATION CONTRACTOR AND FIELD PERSONNEL ARE TO BE TRAINED AND QUALIFIED IN THE INSTALLATION OF CPVC FIRE SPRINKLER PIPING WITHIN TWO YEARS OF THIS PROJECT'S INSTALLATION. TRAINING SHALL BE PROVIDED BY A CPVC FIRE SPRINKLER PIPING MANUFACTURER AND SHALL INCLUDE PROPER PIPE PREPARATION TECHNIQUES, SOLVENT CEMENTING REQUIREMENTS, INSTALLATION INSTRUCTIONS AND THE PROPER HANDLING OF PLASTIC PIPING INSIDE AND OUTSIDE OF THE BUILDING.
  - TOTAL SPRINKLER AREA FOR THE FIRST FLOOR IS APPROXIMATELY 13,000 SQ. FT.
  - THIS IS A LIGHT HAZARD OCCUPANCY EXCEPT FOR FOOD PREP, MECH, STAIR, MECHANICAL ROOMS, AND ELECTRICAL ROOMS WHICH ARE HAZARD OCCUPANCY.
  - SPRINKLER CONTRACTOR SHALL AFFIX A PERMANENT SIGN AT EACH CONNECTION PER NFPA REQUIREMENTS IN EACH STAIR AND MECH ROOM.
  - ALL SPRINKLER PIPING SHALL BE SEISMICALLY STRAINED PER NFPA 13 AND CLEARANCE AROUND PIPING SHALL BE MAINTAINED THROUGHOUT WALLS AND FOUNDATIONS IN ACCORDANCE WITH NFPA 13.9.
  - CONTRACTOR TO COORDINATE WORK WITH MECHANICAL AND OTHER TRADES FOR BEST POSSIBLE RESULTS. SPRINKLER HEADS MUST BE USED IN ALL PUBLIC AREAS CONCEALED OR RECESSED (CEILING OR WALL). SPRINKLER HEADS MUST BE USED IN GUESTROOMS.
  - SPRINKLER GUARDS MUST BE PROVIDED IN BACK-OF-HOUSE AREAS INCLUDING LINEN AND STORAGE ROOMS.
  - WATER SUPPLEMENTALS MUST BE INCLUDED IN THE DESIGN AND INSTALLATION OF SYSTEMS WARRANTED INCLUDING SEISMIC LOADS, FLOOD EXPOSURE AND TORNADES.
  - WATER SUPPLEMENTALS MUST BE SPECIFICALLY DESIGNED AND RATED FOR FIRE PROTECTION SERVICE AS APPROVED BY UNDERWRITERS LABORATORIES (WWW.U.L.COM) OR EQUAL.

- LINEN CHUTE SPRINKLERS:**
- AUTOMATIC SPRINKLERS INSTALLED IN GRAVITY CHUTE SERVICE OPENINGS SHALL BE RECESSED OUT OF THE CHUTE AREA THROUGH WHICH MATERIAL TRAVELS.
  - A SPRINKLER SHALL BE INSTALLED WITHIN THE CHUTE ON ALTERNATE FLOORS IN BUILDINGS OVER TWO STORIES IN HEIGHT, WITH A MANDATORY SPRINKLER LOCATED AT THE LOWEST SERVICE LEVEL.
  - SPRINKLERS SHALL BE INSTALLED AT OR ABOVE THE TOP SERVICE OPENING OF THE CHUTE. CONNECT TO LAUNDRY CHUTE SPRINKLER HEAD. SPRINKLER HEAD PROVIDED BY LINEN CHUTE MANUFACTURER.
  - CONNECTION BY FIRE SPRINKLER CONTRACTOR.



CLASS 1 STANDPIPE MANUAL WET SYSTEM WITH 2 1/2" HOSE CONNECTION

FIRE LINE DESIGNATED FOR CLASS 1 STANDPIPE MANUAL WET SYSTEM

FIRST FLOOR CONTROL VALVE W/ TAMPER SWITCH - CONTRACTOR TO CLEARLY LABEL AND PLACE PERMANENT SIGN IN FIRE RISER ROOM STATING EXACT LOCATION OF CONTROL VALVES FOR EACH FLOOR.

CLASS 1 STANDPIPE MANUAL WET SYSTEM WITH 2 1/2" HOSE CONNECTION

NOTE: USE PIPE, HANGERS / SUPPORTS, AND SPRINKLER HEADS COATED FOR CHLORINE RICH ENVIRONMENT IN ROOMS - NATATORIUM, NATATORIUM MECH, AND UNIVERSAL RESTROOM.

NFPA 13 8.15.7.2 STATES THAT "SPRINKLERS SHALL BE PERMITTED TO BE OMITTED WHERE THE EXTERIOR PROJECTIONS ARE CONSTRUCTED WITH MATERIALS THAT ARE NONCOMBUSTIBLE." ALSO NFPA 13 8.15.7.2 STATES THAT "VEHICLES THAT ARE TEMPORARILY PARKED ARE NOT CONSIDERED STORAGE." THEREFORE THE ENTRANCE CANOPY DOES NOT NEED TO BE SPRINKLED. CONFIRM THAT THIS IS ACCEPTABLE WITH LOCAL AUTHORITIES BEFORE PRICING.

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