

PROJECT / SPRINKLER SYSTEM / STANDPIPE DESCRIPTION

BUILDING CONSTRUCTION:
 THE BUILDING IS OF NEW CONSTRUCTION USE GROUP R-2 APARTMENT HOUSES, 7 STORES OF RESIDENTIAL UNITS INCLUDING A PARKING GARAGE AT GROUND LEVEL FOR A TOTAL OF 53 UNITS.
BUILDING OCCUPANCY:
 THE BUILDING WAS BUILT & DESIGNED FOR RESIDENTIAL LIVING USE, CONSISTING OF A PARKING GARAGE ON THE GROUND LEVEL WITH BUILDING MECHANICAL SPACES, LOBBY AND 7 RESIDENTIAL LIVING UNITS. NEXT 3 LEVELS ARE ALL LIVING UNITS WITH COMMON EXPRESS CORRIDORS LEADING TO 2 RATED STAIRWELLS. THERE IS NO HAZARD DESIGNATIONS BY USE.
 THE PARKING GARAGE, MECHANICAL SPACES, KITCHENETTE, LAUNDRY AND MULTIPURPOSE ROOM ARE ORDINARY HAZARD 1. LAUNDRY AND MULTIPURPOSE ROOMS ARE LUSH WITH HAZARD CONCEALED SPACE ABOVE CEILING. CEILING ARE LIGHT HAZARD.
HAZARD DESIGNATIONS BY USE:
 1. LAUNDRY AND MULTIPURPOSE ROOM ARE ORDINARY HAZARD 1.
 2. MECHANICAL SPACES, LOBBY AND 7 RESIDENTIAL LIVING UNITS. NEXT 3 LEVELS ARE ALL LIVING UNITS WITH COMMON EXPRESS CORRIDORS LEADING TO 2 RATED STAIRWELLS. THERE IS NO HAZARD DESIGNATIONS BY USE.
STANDPIPE SYSTEM DESIGN:
 THERE IS A WET SYSTEM FOR THE LIVING UNIT IN ACCORDANCE WITH NFPA 13 2010ed.
SPRINKLER SYSTEM DESIGN:
 THERE ARE TWO MANUAL, WET CLASS 1 STANDPIPE SYSTEMS INTERCONNECTED AND FED FROM A TRIPLE 2 1/2" F.D.C. ON THE EXTERIOR OF THE MAIN ENTRANCE FOR THE P.F.D. USE.
 2 1/2" HOSE VALVES ON EACH STAIR LANDING IN BOTH DOWNERS. HOSE VALVES HEIGHT SET @ 4' ABOVE STAIR LANDING. PROPER USE OF THE STANDPIPES AND HOSE VALVES.
 ALL OTHER LEVELS THE CEILING VOID IS TO BE FILLED WITH NON-COMBUSTIBLE INSULATION PER THE CONSTRUCTION DRAWINGS.
 PREVENT WATER FILLED PIPE FROM FREEZING.
 THERE IS A DRY SYSTEM FOR THE PARKING GARAGE AND UNCONDITIONED MECHANICAL SPACES. PIPING TO BE PITCHED ACCORDINGLY TO ALLOW PROPER DRAINAGE BACK TO THE DRY VALVE OR AUXILIARY DRAIN. ALL PIPING TO BE SCH 40 GALVANIZED IN THE DRY SYSTEM. THE SPRINKLER SYSTEM AND STANDPIPE SYSTEM HAS BEEN DESIGNED TO MEET APPLICABLE CODE REQUIREMENTS FOR NFPA 13 & 14.

NOTES FOR NFPA 13 2010ed. SYSTEM

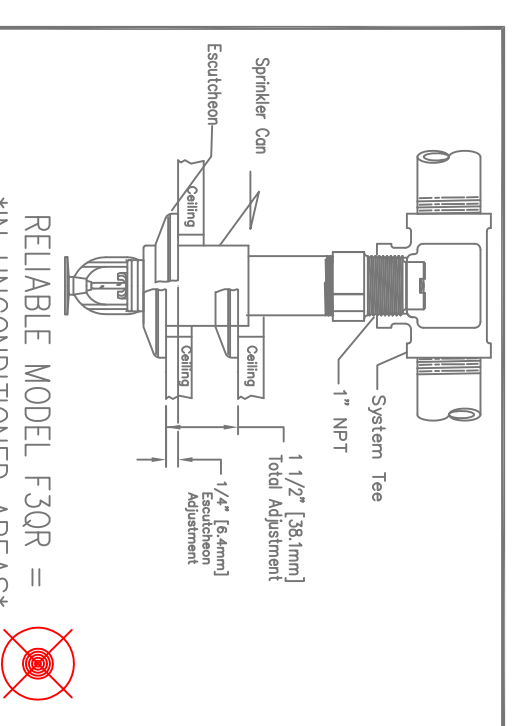
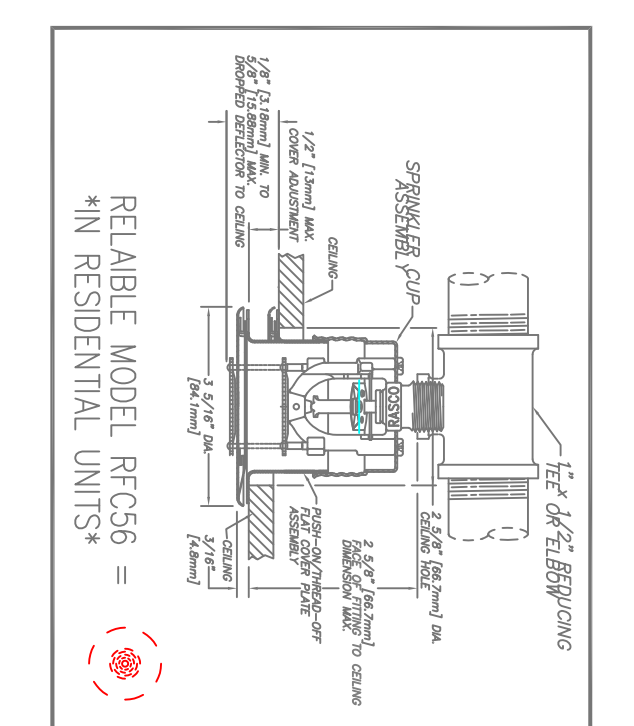
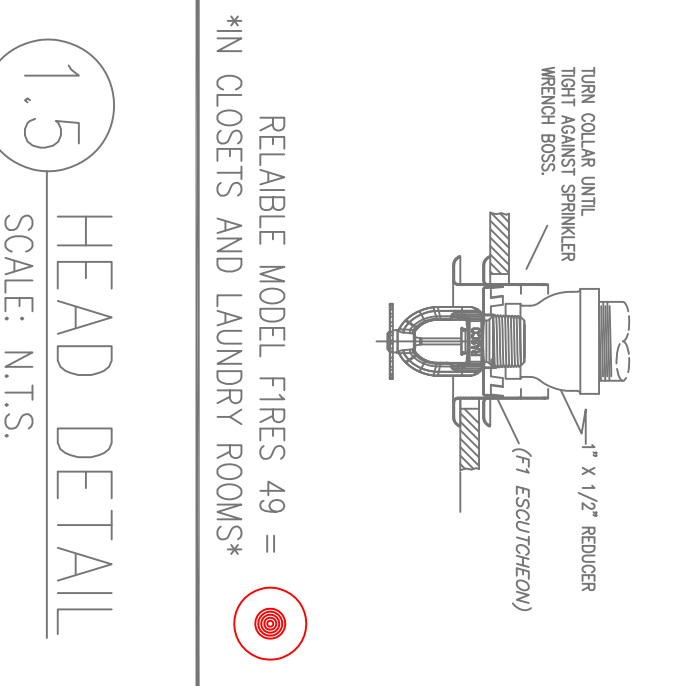
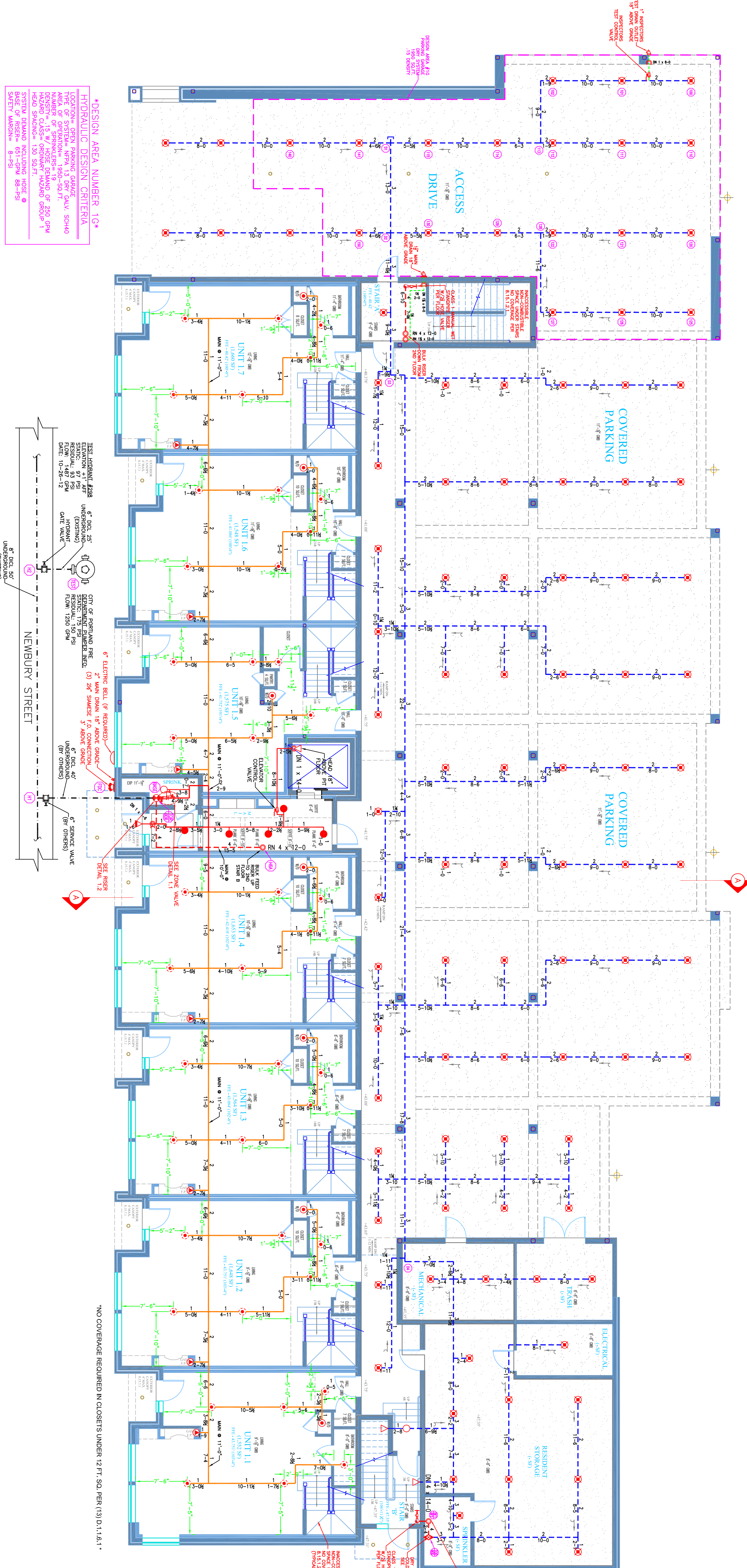
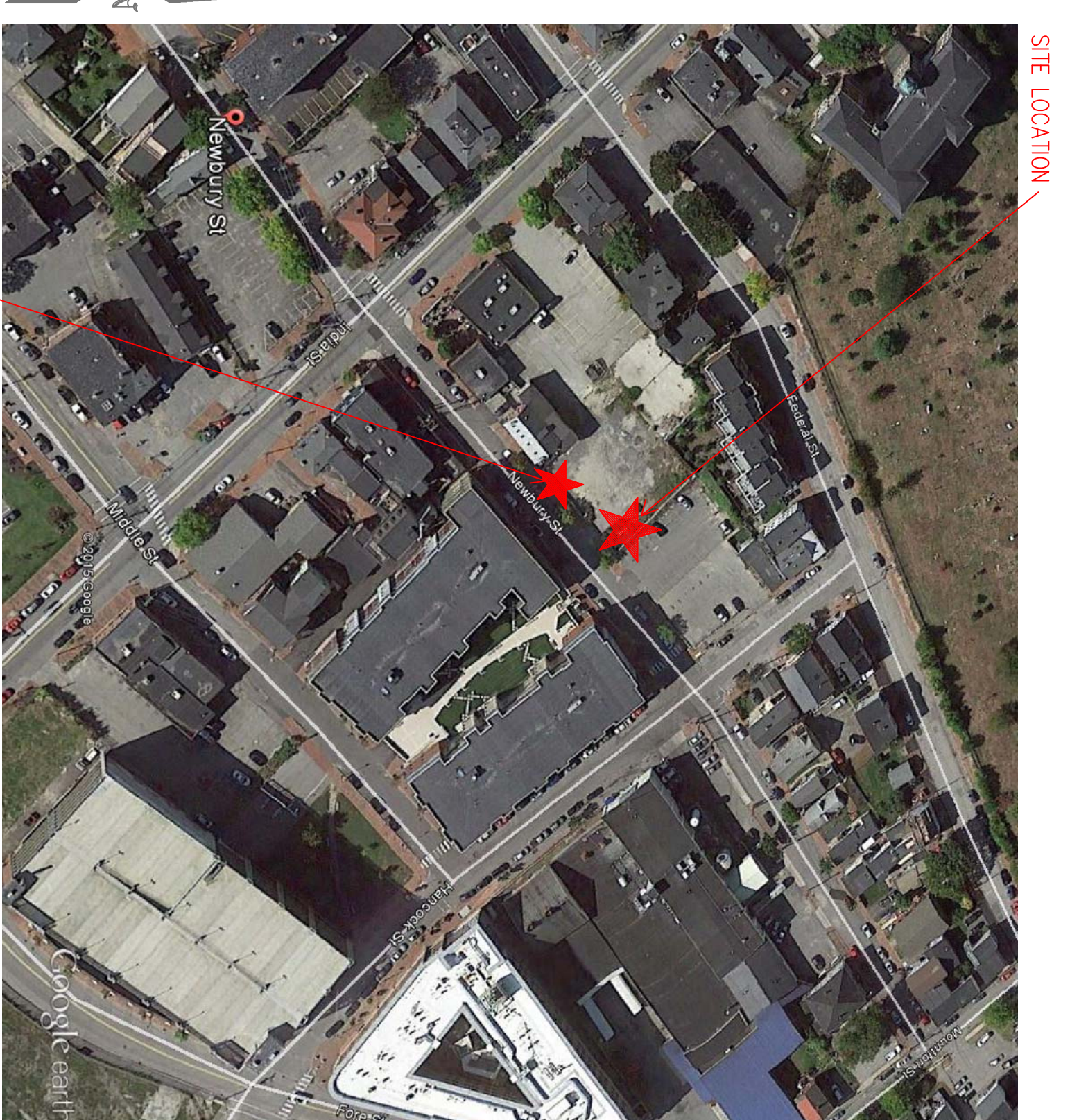
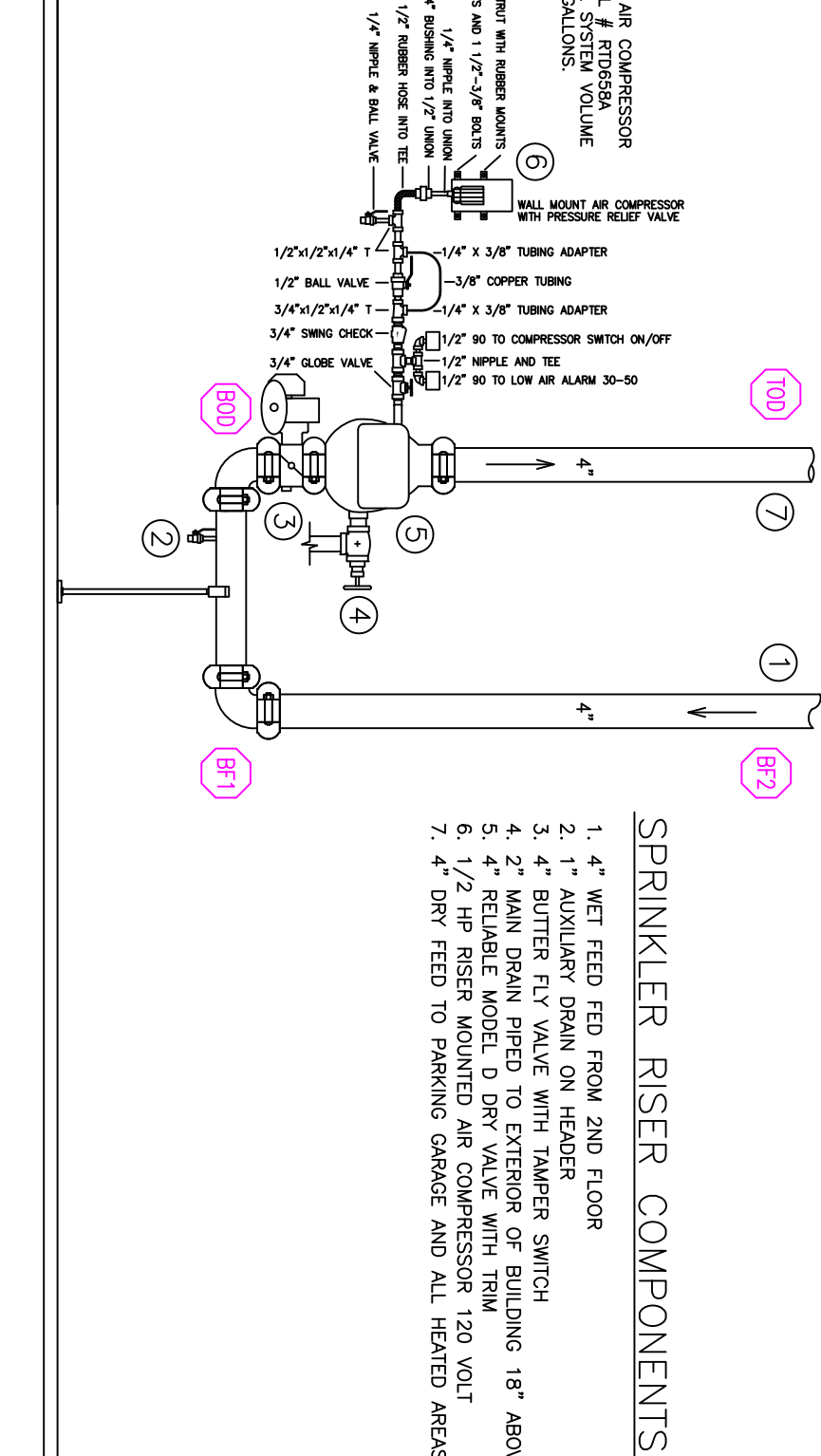
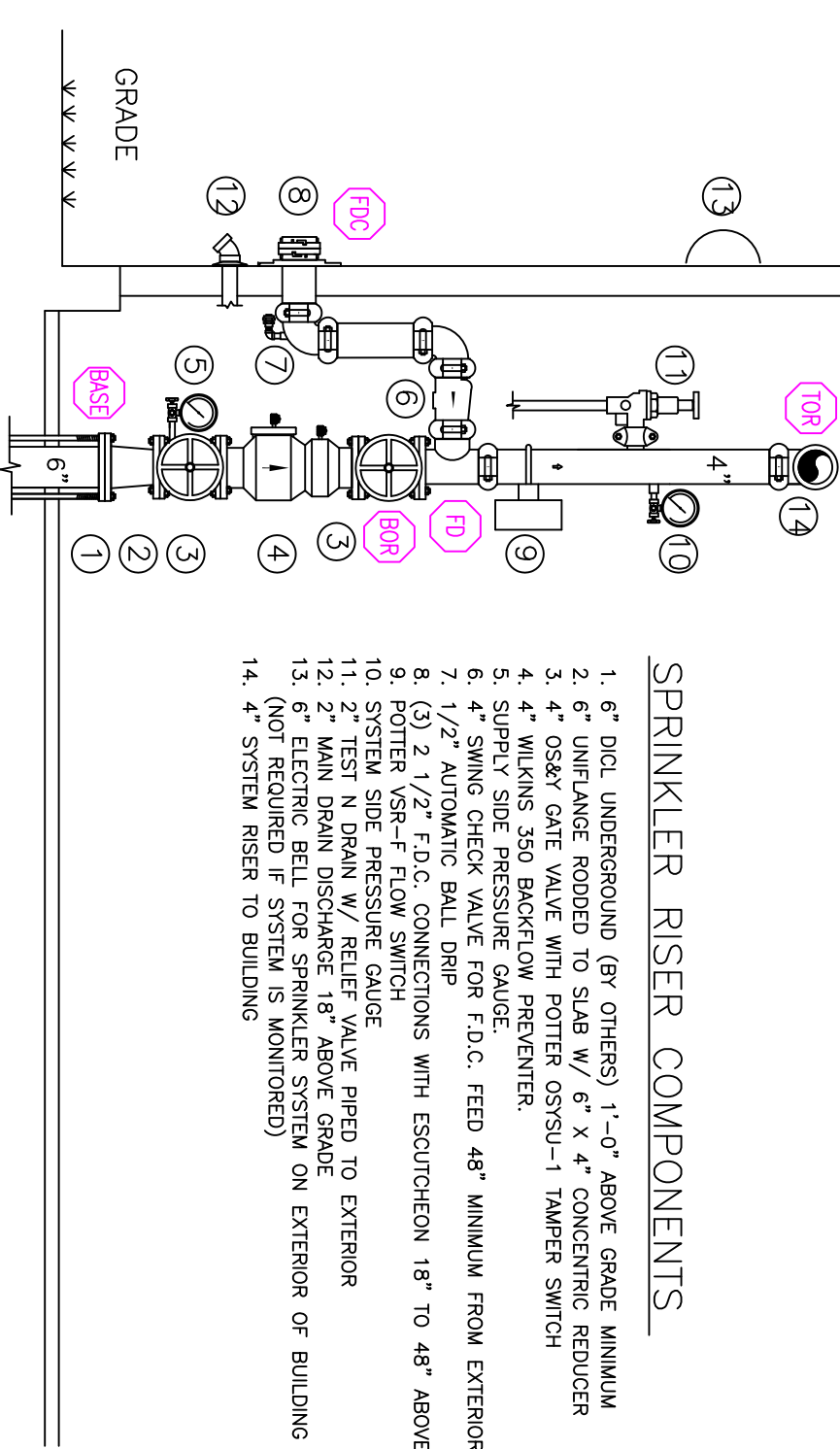
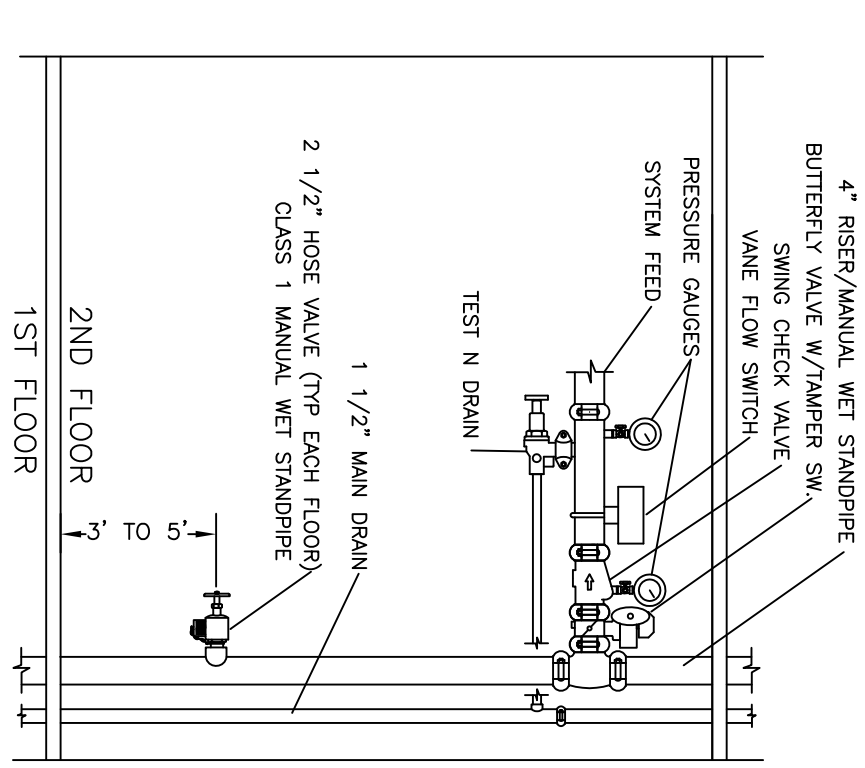
- (13) 3.1.7 SMALL ROOMS:
 A ROOM OF LIGHT HAZARD OCCUPANCY CATEGORIZATION EXCEEDING 800 SQ FT THAT ARE ENCLOSED BY WALLS AND CEILING ARE PERMITTED TO HAVE A RATED SPACER OF ONE WALL EXCEEDING 8' IN HEIGHT.
 (13) 8.1.5.3 ELECTRICAL EQUIPMENT ROOM EXCEPTION:
 ROOMS EXISTING OR TO BE RELOCATED IN EXISTING BUILDINGS SHALL BE PERMITTED TO EXCEED THE HEIGHT LIMITS OF THE ROOMS IF THE EQUIPMENT IS INSTALLED IN A RATED SPACER ENCLOSURE (4) NO COMBUSTIBLE INSULATION SHALL BE STORED IN THE ROOM.
 (13) 8.1.5.3.4 ELEVATOR HOISTWAYS:
 ELEVATOR HOISTWAYS SHALL BE INSTALLED AT THE BOTTOM OF EACH ELEVATOR HOISTWAY NOT MORE THAN 10' ABOVE THE FLOORHEAD.
 (13) 8.1.5.3.4.1 ELEVATOR HOISTWAYS:
 ELEVATOR HOISTWAYS SHALL NOT BE RELOCATED IN OTHERS CLOSETS LESS THAN 12 SQ FT. CLOSETS THAT CONTAIN EQUIPMENT SHALL BE WIDER THAN RELOCATED. THE EQUIPMENT SHALL BE PROTECTED BY A RATED SPACER. THE SPACER SHALL BE INSTALLED AT THE BOTTOM OF EACH ELEVATOR HOISTWAY NOT MORE THAN 10' ABOVE THE FLOORHEAD.
 (13) 2019 13.5.3.4 IN ALL CLOSETS AND COMPARTMENTS, INCLUDING THOSE RELOCATED, SHALL BE PROVIDED WITH SMOKE DETECTORS LARGER THAN 40 SQ FT. IN SIZE. A SINGLE SPRINKLER AT THE BOTTOM OF EACH ELEVATOR HOISTWAY SHALL BE INSTALLED AT THE BOTTOM OF EACH ELEVATOR HOISTWAY NOT MORE THAN 10' ABOVE THE FLOORHEAD.

CPVC CURING TIMES

FOR TFP-400, TFP-500		
W/CALCULIC #899 & SPEARS FS-5		
CURE TIMES WITH ONE COAT OF SOLVENT CEMENT	MINIMUM PIPE SIZE	MINIMUM SPACER SPACING (FT)
PIPE SIZE (INCHES)	3/4"	1-1/4"
AGENT TEMPERATURE DURING CURE PERIOD	40°F TO 120°F	6-1/2"
PIPE SIZE (INCHES)	1-1/2"	2"
AGENT TEMPERATURE DURING CURE PERIOD	40°F TO 120°F	8"
PIPE SIZE (INCHES)	2-1/2"	10"
AGENT TEMPERATURE DURING CURE PERIOD	40°F TO 120°F	10"

CPVC HANGING NOTES

- NOTE 1: FOR THESE SIZES, THE SOLVENT CEMENT CAN BE APPLIED AT TEMPERATURES BELOW 50°F. HOWEVER, THE SPRINKLER SYSTEM ABOVE AND ALLOWED TO CURE PER THE ABOVE RECOMMENDATIONS PRIOR TO PRESSURE TESTING.



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1.4 PLOT PLAN

SCALE: N.T.S.

HIGH TECH FIRE PROTECTION



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 NAME LICENSE # 102

GENERAL CONTRACTOR: ON RECORD
 LAMORY FRENCH CONSTRUCTION
 160 PLEASANT HILL RD. SCARBOROUGH
 ME. BRUN SWISS 207-272-6976

SPECIAL APPLICATIONS:
 FIRE CALK SPRINKLER PIPING PENETRATIONS THROUGH RATED WALLS

LEGEND:
 ○ RATED PIPE RISEN UP OR DOWN
 ● AUXILIARY DRAIN
 — PROPOSED WET STEEL PIPE
 - - - PROPOSED WET CPVC PIPE
 --- PROPOSED DRY STEEL PIPE
 ⊕ SYSTEM COMPONENTS
 ⊖ PIPE PITCH & MANV'L LINES
 ⊙ HYDRAULIC CALC. POINT

DESIGN & SYSTEM NOTES:
 WITH PIPING & ELECTRICAL IN ACCORDANCE TO ALL PIPING 2 1/2\"/>

DATE: JULY 10, 2015
 DESIGNER: ED COLVIN (RMS# 515)
 CHECKED BY: AL FOSS
 LOCATION: 113 NEWBURY STREET PORTLAND, ME
 DRAWING TITLE: SEAPORT LOFTS GARAGE AND 1ST FLOOR FIRE PROTECTION PLAN (NFPA 13 2010ed.)
 DRAWING NO.: FP-01