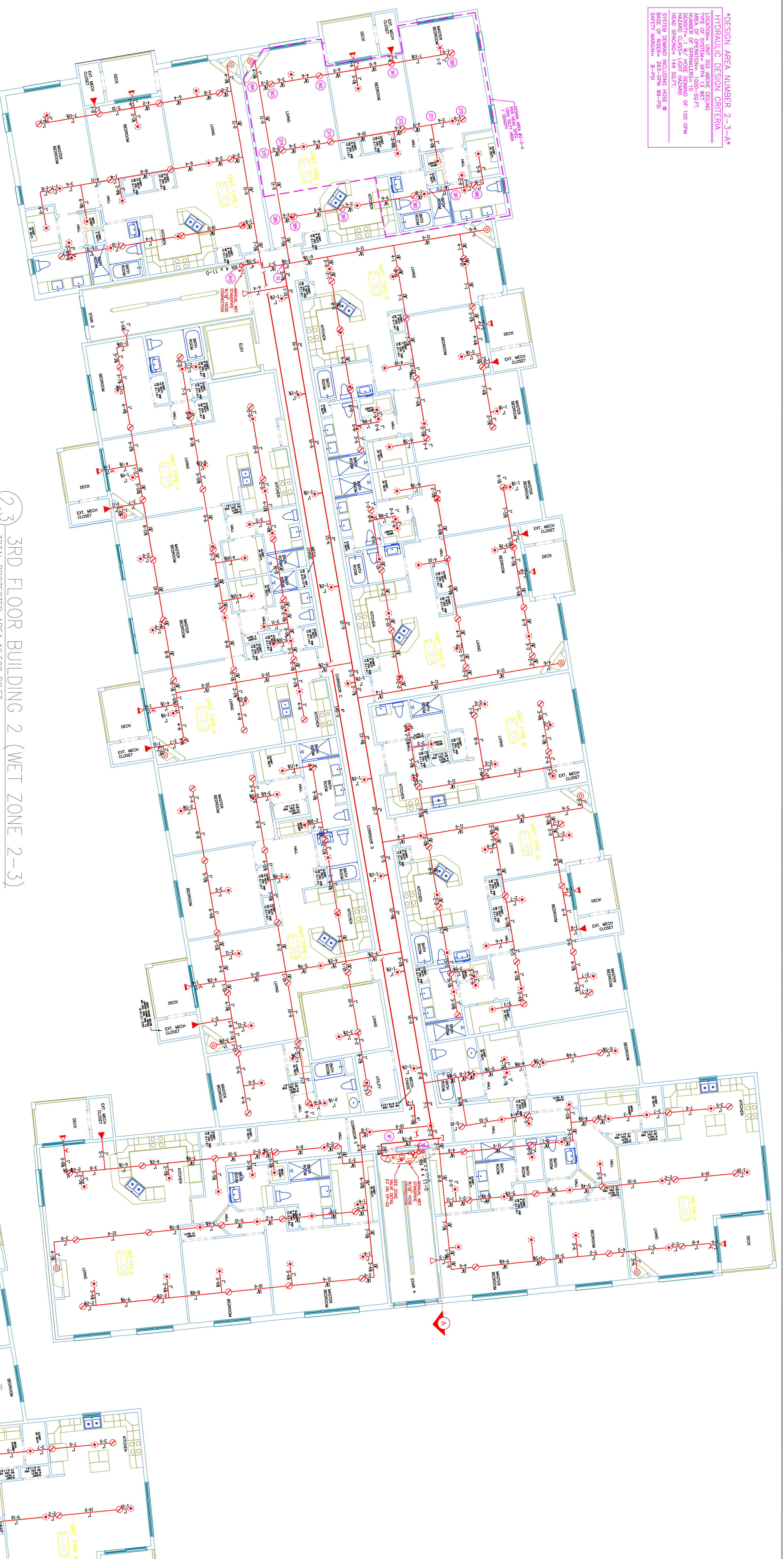
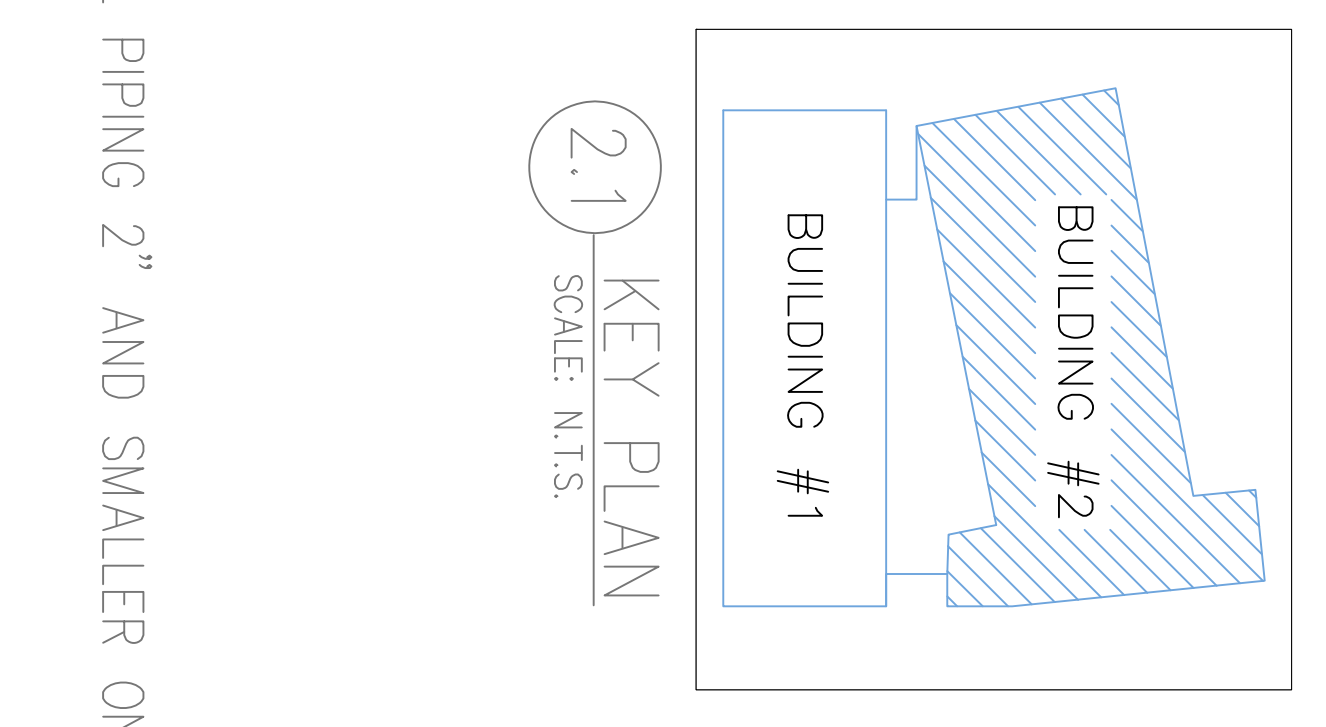


DESIGN AREA NUMBER 2-3-4
HYDRAULIC DESIGN CRITERIA
 LOCATION: UNIT 202 ABOVE GROUND
 AREA OF PROTECTION: 1000-500 FT.
 DESIGN: 1.5 GPM PER 100 SQ. FT.
 HEAD: 100 FT.
 SYSTEM STAND: INCLUDING HOSE & SAFETY WAGON: 8-10-15-20

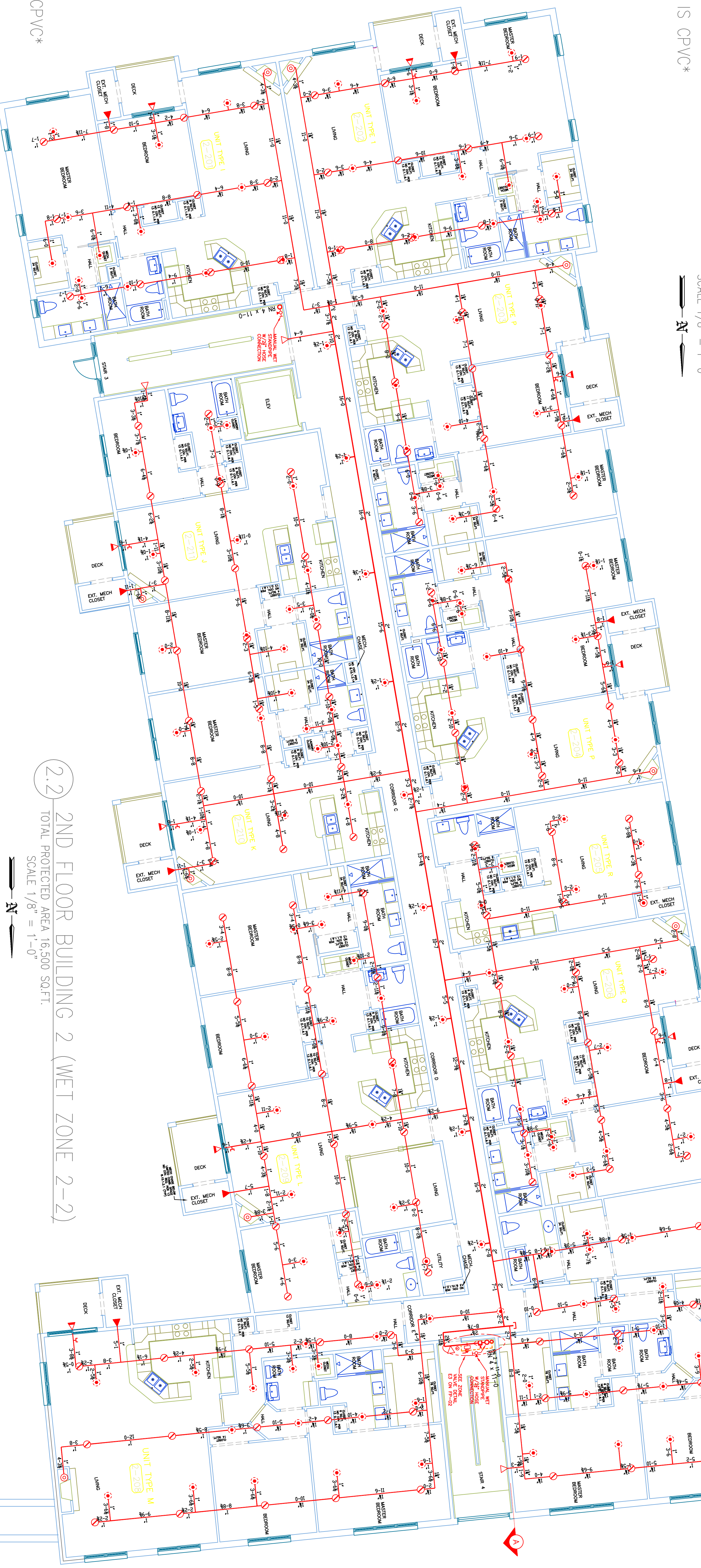


2.3 3RD FLOOR BUILDING 2 (WET ZONE 2-3)
 TOTAL PROTECTED AREA 16,500 SQ.FT.
 SCALE 1/8" = 1'-0"

ALL PIPING 2" AND SMALLER ON THIS FLOOR IS CPVC



2.1 KEY PLAN
 SCALE: 1/8" = 1'-0"



2.2 2ND FLOOR BUILDING 2 (WET ZONE 2-2)
 TOTAL PROTECTED AREA 16,500 SQ.FT.
 SCALE 1/8" = 1'-0"

ALL PIPING 2" AND SMALLER ON THIS FLOOR IS CPVC

NOTES FOR NFPA 13 2010ed SYSTEM

SPRINKLERS SHALL BE INSTALLED IN ALL AREAS:

(1) 3.3.17 SMALL ROOMS
 A ROOM OF LIGHT HAZARD OCCUPANCY CLASSIFICATION EXCEEDING 800 SQ FT THAT IS ENCLOSED BY WALLS AND A CEILING AND PERMITTED TO HAVE A HEAD SPACED 5' OR ONE WALL SPACED 10' FROM THE WALL SHALL BE PROTECTED BY ONE WALL SPACED SPRINKLER.

(2) 3.3.18 MULTIPLE FLOOR AREAS
 THE MAXIMUM FLOOR AREA ON ANY ONE FLOOR TO BE PROTECTED BY SPRINKLERS SUPPLIED BY ANY ONE FLOOR RISER SHALL NOT EXCEED 10,000 SQ FT. FOR A LIGHT HAZARD OR ORDINARY HAZARD AREA.

(3) 3.3.18.1.3 ELECTRICAL EQUIPMENT FROM OCCUPATION ROOMS
 ROOMS WHERE ALL OF THE FOLLOWING CONDITIONS ARE MET: (1) ONE OR MORE ELECTRICAL EQUIPMENT IS USED; (2) INCLUDING PROTECTION FROM PENETRATIONS; (3) NO OTHER PROTECTION IS PERMITTED TO BE PROVIDED IN THE ROOM. SIDEWALL SPRAY SPRINKLERS SHALL BE INSTALLED AT THE AUTOMATIC FIRE DETECTOR HOIST WAY NOT MORE THAN 18" SPACING EVEN WITH A SMALL OPENING SUCH AS THOSE USED AS RETURN AIR FOR A FRESH AIR.

(4) 3.3.18.1.3.1 SPRINKLERS SHALL NOT BE REQUIRED IN MULTIFLOOR BUILDINGS WHERE THE CHANGES ARE PRESTIPED AT EACH FLOOR AND WHERE SUCH PIPE CHANGES SHALL CONTAIN NO SCOURERS OR AND PIPE PENETRATIONS AT EACH FLOOR SHALL BE PROPERLY SEALED.

(5) 3.3.18.1.3.1 SPRINKLERS SHALL NOT BE REQUIRED IN OTHER COBERTS, WHEN THE AREA OF THE SPACE DOES NOT EXCEED 12 FT SQ.

HIGH TECH FIRE PROTECTION
 P.O. BOX 156
 WINTHROP, ME 04258-0156
 TEL: (603) 998-2581 FAX: (603) 998-4187
 MAINE LICENSE # 102
 GENERAL CONTRACTOR ON RECORD- METRIC CORPORATION 55 HENSHAW STREET BOSTON, MA 02135

SPECIAL APPLICATIONS:
 DRY SYSTEM IN ACCORDANCE WITH STATE OF MAINE DRY PIPE POLICY 1/2" RICH PER 10 ON MAINS AND SPRINKLER LINES.

LEGEND:
 ○ RISEN PIPE RISER UP OR DOWN
 — AUXILIARY DRAIN
 — PROPOSED WET PIPE
 — PROPOSED DRAIN PIPE
 — SYSTEM RISER
 ○ HYDRAULIC CALC. POINT

DESIGN & SYSTEM NOTES:
 WITH APPROVED EQUALS. ALL PIPING SHALL BE SCHEDULE 40 WITH APPROPRIATE FINISH UNLESS OTHERWISE NOTED.
 ALL PIPING 1 1/2" & SMALLER TO BE SCHEDULE 40 UNLESS OTHERWISE NOTED.
 POSITION, LOCATION, SPACING AND USE OF HANGERS SHALL BE IN ACCORDANCE WITH NFPA 13 (SEE PLAN FOR LOCATION OF RISEN PIPE).
 ALL PIPING SHALL BE IN ACCORDANCE WITH NFPA 13 (SEE PLAN FOR LOCATION OF RISEN PIPE).
 HIGH TECH FIRE PROTECTION IS TO BE IN WORK AT 6" UNDERGROUND INSIDE OF BUILDING. DIMENSIONS AND LOCATIONS GIVEN FOR SPRINKLER ACTUAL FIELD CONDITIONS.
 OWNERS TO PROVIDE ADEQUATE HEAT THROUGHOUT BUILDING TO PROTECT WATER FILLED PIPING AND EQUIPMENT FROM FREEZING TEMPERATURES.
 OWNER IS RESPONSIBLE TO MAINTAIN THE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13 (SEE PLAN FOR LOCATION OF RISEN PIPE).
 ALL MECHANICAL, ELECTRICAL AND PLUMBING TRADES TO COORDINATE THEIR WORK WITH SPRINKLER CONTRACTOR.
 ALL ELECTRICAL WORK IS TO BE DONE BY OTHERS.



FR-05
 DRAWING NO.

THE BAY HOUSE FL. (WET ZONE 2-2 & 2-3) FIRE PROTECTION PLAN (NFPA 13 2010ed.)

DATE: MARCH 1, 2013
 DESIGNER: ED DOULAN (RMS# 515)
 CHECKED BY: I. BOHNI / J. BOSS

LOCATION:
 40 MIDDLE STREET
 PORTLAND, ME

DRAWING TITLE:
 THE BAY HOUSE FL. (WET ZONE 2-2 & 2-3) FIRE PROTECTION PLAN (NFPA 13 2010ed.)

REVISIONS:
 NO. DATE DESCRIPTION:

SCALE: 1/8" = 1'-0"
 TOTAL HEADS ON THIS SHEET: 678
 OR APPROVED EQUALS

1/2" WHITE HORIZONTAL SIDEWALL SEMI RECESSED DEFLECTOR 4" TO 6" BELOW CEILING
 MODEL: QLS561
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 MODEL: QLS564
 QLOBE*
 MODEL: QLS566
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 MODEL: QLS568
 QLOBE*
 MODEL: QLS570
 QLOBE*
 MODEL: QLS572
 QLOBE*
 MODEL: QLS574
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 MODEL: QLS576
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 MODEL: QLS578
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 MODEL: QLS580
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 MODEL: QLS582
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