

DESIGNER: ED POLUN
 CHECKED BY: ED POLUN (RMS# 915)
 CERTIFICATION # 108514
 COMPANY LICENSE # 102

REVISIONS:
 NO. DATE DESCRIPTION:
 SPECIAL APPLICATIONS:
 NO. DESCRIPTION:
 1. FIRE CAULK WALL PENETRATION WHERE REQUIRED TO MEET BUILDING SPECIFIC RAINWATS.

LEGEND:
 ○ IN PIPE RISER UP
 ○ IN PIPE RISER DOWN
 ● AUXILIARY DRAIN
 — PROPOSED PIPE
 — VALVE CABINET
 △ SYSTEM RISER
 + PIPE FITTING
 + 4 WAY SWAY BRACING
 + 2 WAY SWAY BRACING
 ⊙ HYDRAULIC CALC. POINT

DESIGN NOTES:
 ALL PIPING 1 1/2" & LARGER TO BE SCHEDULE 40 WITH SCHEDULE 40 RIB RITING.
 POSITION, LOCATION, SPACING, AND USE OF SPRINKLERES SHALL BE IN ACCORDANCE WITH NFPA 13.
 HYDRAULIC CALCULATION PROCEDURES HAVE BEEN DONE IN ACCORDANCE WITH NFPA 13 (SEE PLANS REFERENCED PRINTS, AND SYSTEM HEADINGS).
 HIGH TECH FIRE PROTECTION IS TO BEGIN WORK AT 8' UNFLAME T' ABOVE FF INSIDE OF BUILDING. ALL ELECTRICAL WORK IS TO BE DONE BY OTHERS.

PROJECT DESCRIPTION

BUILDING CONST.:
 THE BUILDING IS 6 LEVELS + 2 BASEMENT LEVELS CONSISTING OF CONCRETE, STEEL, FIBERGLASS AND BRICK. CONSTRUCTION OF CONCRETE AND STEEL PIPING THROUGHOUT.

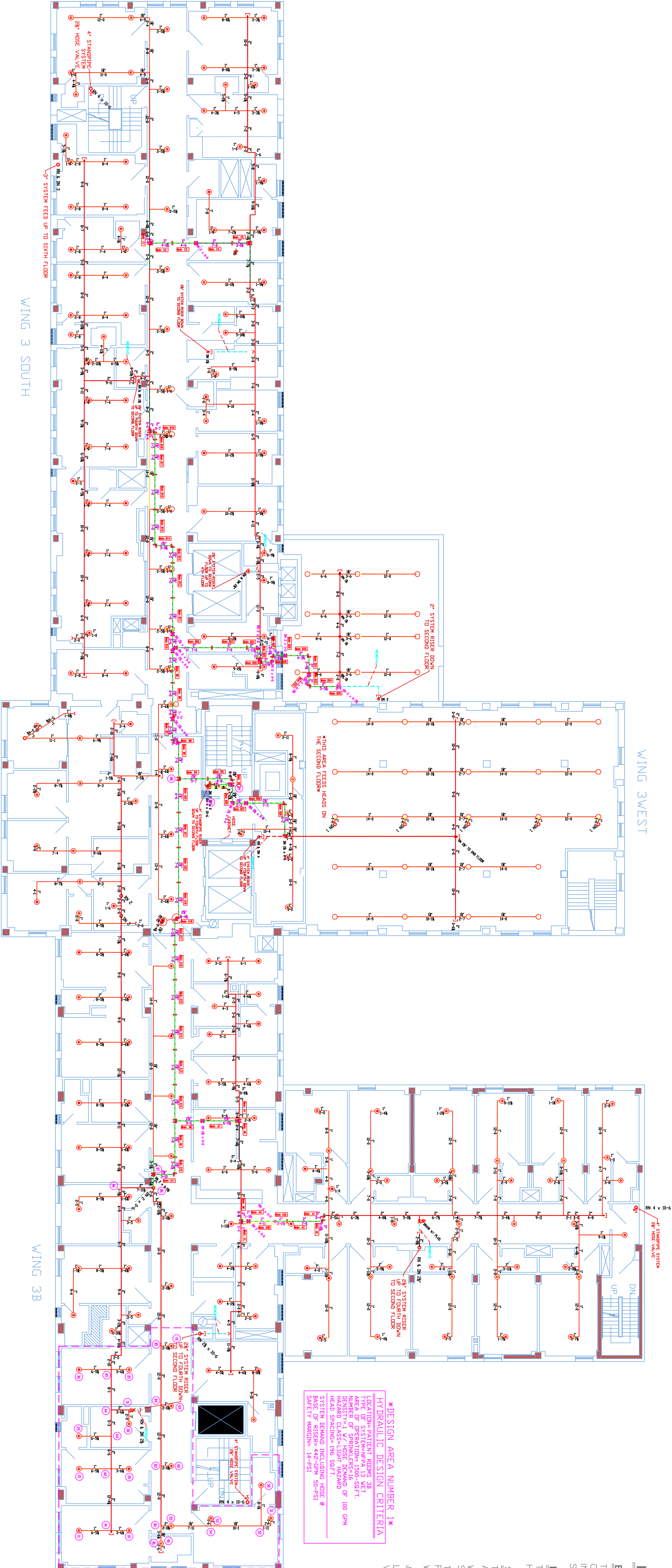
BUILDING OCCUPANCY:
 THE BUILDING WAS BUILT & DESIGNED AS A HOSPITAL AND MEDICAL OFFICE BUILDING.

SPRINKLER DESIGN:

THERE IS CURRENTLY ONE WET SYSTEM FED FROM A FIRE PUMP AND CITY WATER WITH MULTIPLE RISERS FOR THE COMPLETE BUILDING. WE ARE PROPOSING THE ADD OF NEW RISER MAINFOLDS ON THE CENTER STAIR WELL (STAIR #2) 4" STANDPIPE SYSTEM TO FEED THE FLOOR ZONE. THIS WORK WILL ACCOMMODATE THE ZONING OF A SINGLE FLOOR FOR AS-BUILT SITE OBSERVATION.

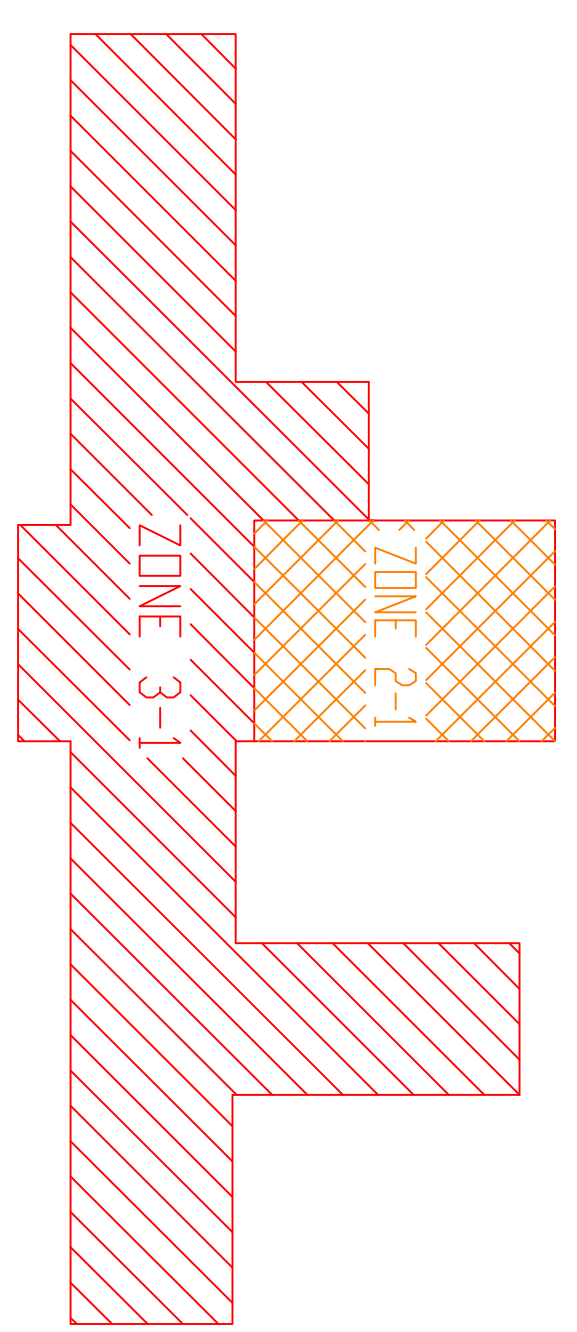
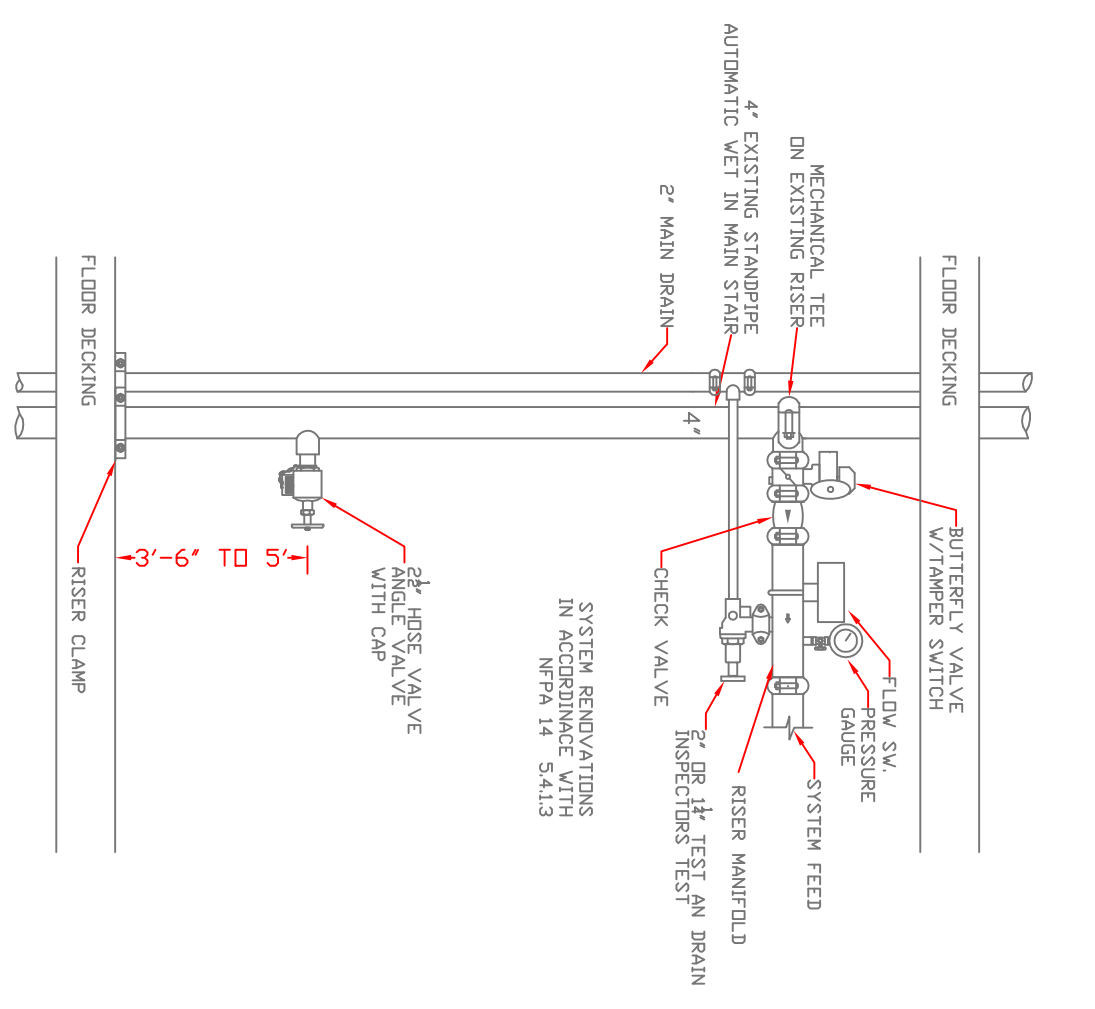
LOCATION & SIZING IS IN GENERAL VACUITY. VERIFY ON SITE FOR EXACT LOCATIONS BEFORE PREFERRING WORK.

DESIGN AREA NUMBER 1
HYDRAULIC DESIGN CRITERIA
 LOCATION: VARIOUS ROOMS 3B
 AREA OF PROTECTION: 1000 SQ. FT.
 RISK: 1.5
 K-FACTOR: 5.6
 HEAD: 100 FT.
 SYSTEM DESIGN INCLUDING LOSS: 8
 SAFETY MARGIN: 14-481

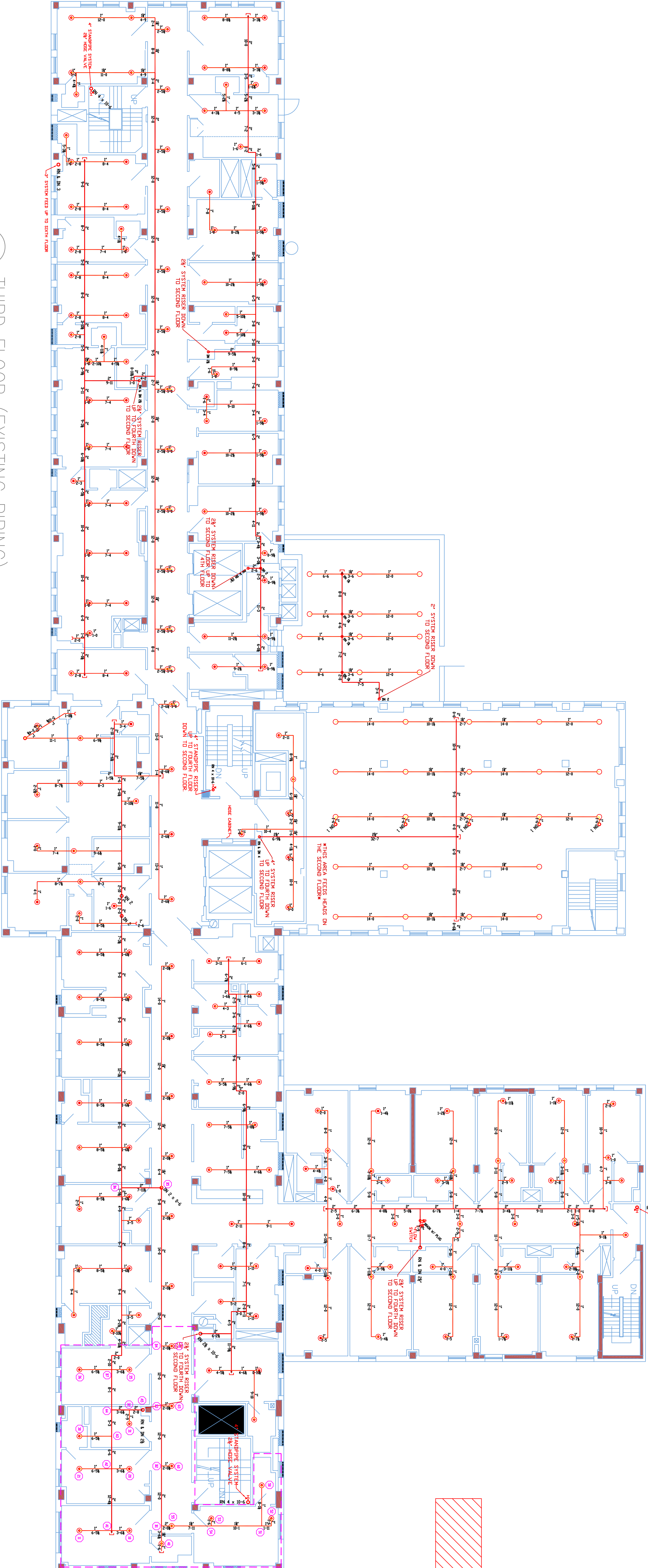


3 THIRD FLOOR (NEW ZONE SYSTEM FEED)
 TOTAL PROTECTED AREA 22,600 SQ.FT.
 SCALE 3/32" = 1'-0"

3 ZONE VALVE DETAIL
 SCALE: N.T.S.



3 ZONE MAP
 SCALE: N.T.S.



3 THIRD FLOOR (EXISTING PIPING)
 TOTAL PROTECTED AREA 22,600 SQ.FT.
 SCALE 3/32" = 1'-0"

— = EXISTING PIPING
 - - - = ZONE PIPING (PROPOSED)

SCALE: 3/32" = 1'-0"
 DATE: JUNE 1, 2012
 DRAWN BY: ED POLUN
 TOTAL HEADS ON THIS SHEET 269

LOCATION:
 144 STATE STREET
 PORTLAND, ME

DRAWING TITLE:
 MERCY HOSPITAL
 THIRD FLOOR
 ZONE SYSTEM FEEDS
 FIRE PROTECTION PLAN
 (NFPA 13 2010 ed.)
 DRAWING NO.:
 FP-03