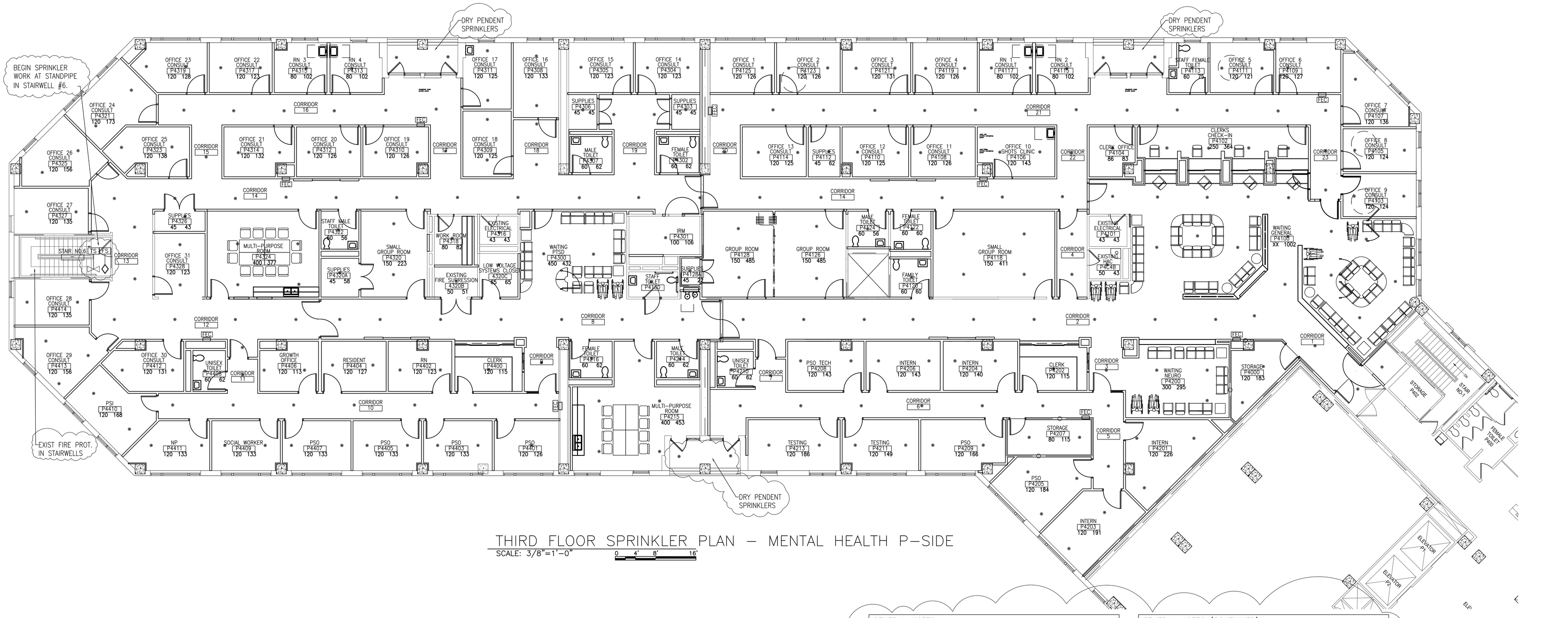


THIRD FLOOR SPRINKLER PLAN – MENTAL HEALTH P-SIDE

SCALE: 3/8"=1'-0" 0 4' 8' 16'

GENERAL NOTES

1. INSTALL NEW SPRINKLERS AT APPROXIMATE LOCATIONS SHOWN. CONNECT NEW PIPING TO EXISTING AT NEAREST POINT.
2. ALL AREAS SHALL BE LIGHT HAZARD UNLESS OTHERWISE NOTED. STORAGE ROOMS, MECHANICAL ROOMS, AND ELECTRICAL ROOMS ARE ORDINARY HAZARD, GROUP 1.
3. THIS BUILDING SHALL BE FULLY SPRINKLERED PER NFPA 13, THE PROJECT SPECIFICATIONS AND FIRE SPRINKLER DRAWINGS.
4. ALL NEW SPRINKLERS SHALL BE QUICK RESPONSE SPRINKLERS.
5. PIPING 2" AND SMALLER SHALL BE SCH. 40 BLACK STEEL PER ASTM STANDARD #A795, #A135, OR #A53.
6. PIPE 2 1\2" AND LARGER IN CONDITIONED SPACES MAY BE SCH. 10 WHEN ENDS ARE ROLL GROOVED AND JOINED WITH GROOVED COUPLINGS AND FITTINGS.
7. ALL THREADED FITTINGS SHALL BE CAST IRON PER ASME #B16.4 STANDARD.
8. ALL GROOVED FITTINGS SHALL BE PER ANSI #A-536 AND PER N.F.P.A. 13.
9. ALL PIPING SHALL BE INSTALLED TO FACILITATE COMPLETE DRAINAGE THROUGH MAIN DRAIN VALVE AND INTO MAIN DRAIN RISER ASSEMBLY. ANY PORTIONS OF TRAPPED WATER SHALL HAVE AUX. DRAIN VALVE AND PLUG.
10. DRY PIPING SHALL BE PITCHED IN ACCORDANCE WITH NFPA 13 TO DRAIN TO MAIN DRAINS AND AUXILIARY DRAINS.
11. INSTALL AND TEST ABOVEGROUND SPRINKLER PIPING PER NFPA 13. PRESSURE TEST PIPING TO 225 PSI FOR 2 HOURS WITH NO VISIBLE LEAKAGE OR LOSS OF PRESSURE FOR DURATION OF TEST. SMALL SECTIONS OF PIPING MAY BE OPERATIONALLY TESTED.
12. AT COMPLETION OF SYSTEM TESTING, COMPLETED CONTRACTORS MATERIAL AND TEST CERTIFICATES SHALL BE FORWARDED TO THE OWNER.
13. ALL EXPOSED PIPE, HANGER ASSEMBLIES, AND FITTINGS SHALL BE PRIMED AND PAINTED IN ACCORDANCE WITH THE SPECIFICATION.
14. ALL SYSTEM CONTROL VALVES 3" AND SMALLER SHALL BE INDICATING BUTTERFLY VALVES LISTED FOR FIRE PROTECTION, WITH INTEGRAL TAMPER SWITCH.
15. ALL PIPE LOCATIONS ARE TO BE MEASURED PRIOR TO FABRICATION AND INSTALLATION BY CONTRACTOR.
16. PROVIDE UL LISTED HANGERS PER NFPA 13.
17. PROVIDE UL LISTED BRACING PER NFPA 13.
18. PROVIDE PRESSURE GAGES PER NFPA 13.
19. PROVIDE SPRINKLER TEMPERATURE RATINGS PER NFPA 13.
20. PROVIDE A STOCK OF SPARE SPRINKLERS IN A METAL WALL CABINET PER NFPA 13.
21. CONTRACTORS SHOP DRAWINGS SHALL INCLUDE LIGHTING FIXTURES AND HVAC VENTS ON REFLECTED CEILING PLANS TO REDUCE INTERFERENCES.
22. COORDINATE SPRINKLER LOCATIONS WITH REFLECTED CEILING PLAN.
23. CONTRACTOR SHALL VERIFY FIELD CONDITIONS OF ALL EXISTING PIPING AND SPRINKLER LOCATIONS PRIOR TO PREPARING SHOP DRAWINGS AND PERFORMING INSTALLATION.
24. IF NEW MAINS ARE INSTALLED, PROVIDE SEISMIC BRACING IN ACCORDANCE WITH NFPA 13 AND THE VA DESIGN MANUAL H-18.8.
25. OBTAIN A FLOW TEST LESS THAN ONE YEAR OLD.
26. PROVIDE A 10% SAFETY MARGIN IN THE HYDRAULIC CALCULATIONS.
27. THE SMALL ROOM RULE MAY BE USED TO REDUCE SPRINKLERS IN SMALL OFFICES AND OTHER SMALL ROOMS.

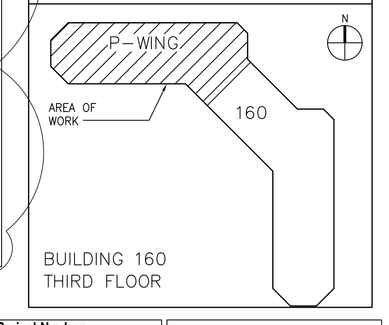
GENERAL NOTES (CONTINUED)

28. CEILING GRID OMITTED FOR CLARITY
29. CONTRACTOR SHALL BEGIN WORK AT THE STANDPIPE IN STAIRWELL #6. INSTALL NEW CONTROL VALVE WITH TAMPER SWITCH AND NEW FLOW SWITCH FOR THIS NEW SYSTEM.
30. CONTRACTOR SHALL OBTAIN WATER FLOW DATA FROM THE VA PRIOR TO DESIGN.
31. THIS AREA SHALL BE SUPPLIED BY A SINGLE WATER SUPPLY CONTROL VALVE AND FLOW SWITCH. NOTE THERE ARE THREE SMALL BALCONY AREAS PROTECTED BY DRY PENDENT SPRINKLERS. THERE ARE NO COMBUSTIBLE CONCEALED SPACES.

LEGEND

- PENDENT SPRINKLER
- UPRIGHT SPRINKLER
- SIDEWALL SPRINKLER
- DRY SIDEWALL SPRINKLER
- FS — WATER FLOW SWITCH
- TS — VALVE WITH TAMPER SWITCH

KEY PLAN (NTS)



100% FINAL CONSTRUCTION DOCUMENTS - FULLY SPRINKLERED

REV 1: INCORPORATE CLIENT COMMENTS	4/5/2016
Revisions:	Date

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Drawing Title: FIRE PROTECTION SPRINKLER PLAN

Approved: Project Director

Project Title: RENOVATE P-SIDE FOR SUPER POD PHASE 2 –

Location: J.H. QUILLEN VAMC MTN. HOME TN

Date	Checked	Drawn
DECEMBER 21, 2015	GML	GML

Project Number: 621-15-120

Building Number: 160

Drawing Number: FP101

Dwg. 43 of 118

Office of Construction and Facilities Management

Department of Veterans Affairs

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