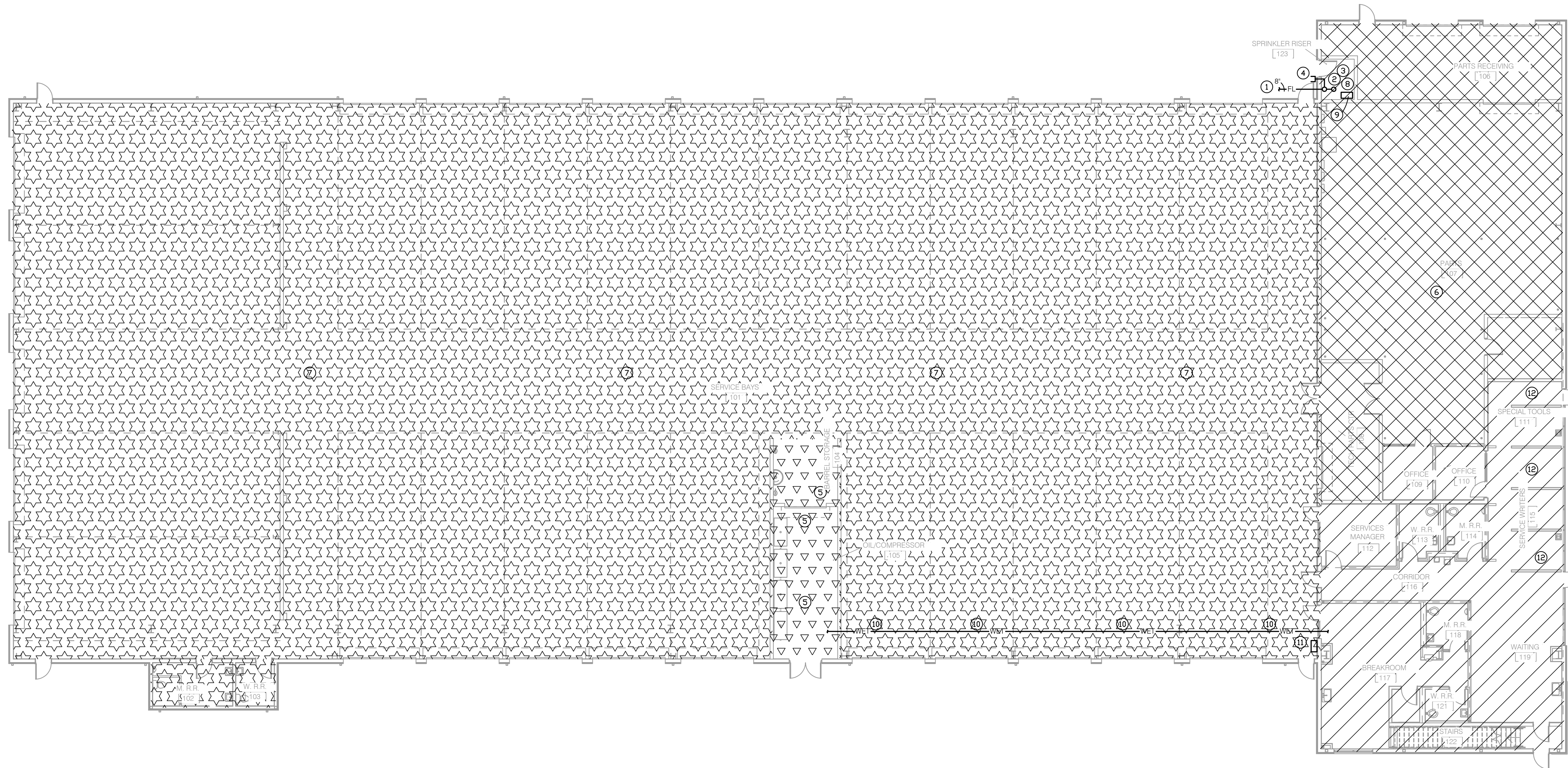


SHEET NUMBER

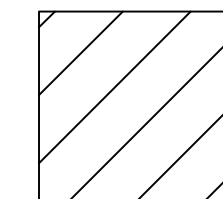
FP-101
1ST FLOOR FIRE
PROTECTION PLAN



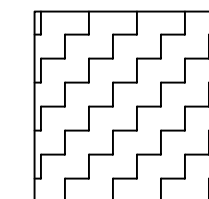
1 1ST FLOOR FIRE PROTECTION PLAN
3/32" = 1'-0" NOTE: REFER TO ARCHITECTURAL PLANS FOR ALL DIMENSIONS.

FIRE PROTECTION KEYNOTES:

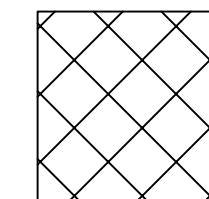
- CONTINUED ON FIRE PROTECTION SITE PLAN SHEET FP-100.
- RISE UP WITH LISTED STAINLESS STEEL "IN BUILDING RISER" INSIDE BUILDING. COORDINATE PIPING IN BUILDING WITH NEW MECHANICAL, ELECTRICAL, ETC.
- EIGHT (8) INCH WET PIPE SPRINKLER RISER. COORDINATE LOCATION WITH NEW MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS AND COMPONENTS. ADJUST LOCATION AS REQUIRED FOR CODE COMPLIANCE.
- UNDERGROUND TEST HEADER MOUNTED ON EXTERIOR WALL. PROVIDE METAL IDENTIFICATION SIGN AT EXTERIOR WALL. PROVIDE ISOLATION VALVE IN-LINE OF PIPE (NORMALLY CLOSED.) REFER TO DETAIL FOR REQUIRE DEVICES.
- PROVIDE SPRINKLER PROTECTION THIS AREA PER NFPA 30:16.5.2.2 FOR CLASS IIIB LIQUIDS (MOTOR OIL). HEADS SHALL BE STANDARD RESPONSE, HIGH TEMPERATURE RATED AT A 8.0K-FACTOR OR GREATER.
- REFER TO SHEET FP-102 FOR FIRE PROTECTION REQUIREMENTS AT SECOND FLOOR THIS AREA.
- APPROXIMATE LOCATION OF HVLS FAN. HVLS FAN SHALL BE INTERLOCKED TO SHUT DOWN IMMEDIATELY UPON RECEIVING A WATERFLOW SIGNAL FROM THE ALARM SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 72. HVLS FAN SHALL BE CENTERED APPROXIMATELY BETWEEN FOUR ADJACENT SPRINKLERS (COORDINATE WITH MECHANICAL TRADE).
- FOUR (4) INCH DRY PIPE RISER. COORDINATE LOCATION WITH MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS AND COMPONENTS. ADJUST LOCATION AS REQUIRED FOR CODE COMPLIANCE.
- TANK MOUNTED ONE-HALF (1/2) HP AIR COMPRESSOR (120-1-60 ELEC. SERVICE).
- ROUTE NEW WET PIPE SPRINKLER MAIN TO FEED WET SYSTEM AT OIL/AIR COMPRESSOR ROOM WHERE APPROXIMATELY SHOWN AT MAXIMUM HEIGHT SECURED TO STRUCTURAL. SPRINKLER MAIN SHALL BE SIZED TO PROVIDE THE PRESSURE AND FLOW NEEDED FOR THE HAZARD DENSITIES PRESCRIBED IN NFPA 30. PROVIDE INSULATION AND HEAT TRACING FOR EXPOSED SPRINKLER MAIN. INSULATION SHALL BE 1" THICK, HIGH DENSITY FIBERGLASS WITH UNIVERSAL FIRE-RETARDANT JACKET AND COVERED WITH 0.030 PVC JACKET WITH SOLVENT WELDED SEAMS AND JOINTS IN "RED" COLOR. BASIS OF DESIGN FOR HEAT TRACING: NVENT-RAYCHEM MODEL 5XL1 CABLING, LISTED FOR SPRINKLER PIPING.
- PROVIDE NEW HEAT TRACE CONTROLLER AT WALL (120-1-60 ELEC. SERVICE). COORDINATE FINAL LOCATION WITH ARCHITECT/OWNER. BASIS OF DESIGN: NVENT-RAYCHEM MODEL 465. COORDINATE ELECTRICAL AND FIRE ALARM REQUIREMENTS WITH GENERAL CONTRACTOR. MONITOR POWER TO CONTROLLER WITH FIRE ALARM SYSTEM.
- PROVIDE SPRINKLER PROTECTION ABOVE AND BELOW CEILING THIS AREA.



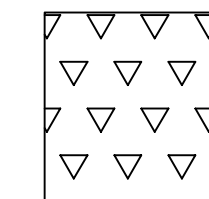
LIGHT HAZARD
WET PIPE
SPRINKLER SYSTEM
THIS AREA



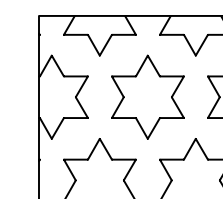
ORDINARY HAZARD
GROUP I WET PIPE
SPRINKLER SYSTEM
THIS AREA



ORDINARY HAZARD
GROUP II WET PIPE SPRINKLER
SYSTEM THIS AREA



0.25 GPM/ 3000 Sq.
FT. WET PIPE
SPRINKLER SYSTEM
THIS AREA.



ORDINARY HAZARD
GROUP 1 DRY PIPE
SPRINKLER SYSTEM
THIS AREA

PRELIMINARY FLOW TEST INFORMATION:
DATE: 12-05-2025
STATIC: 75 PSI
RESIDUAL: 59 PSI
FLOW RATE: 995 GPM



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Project No. 25326