

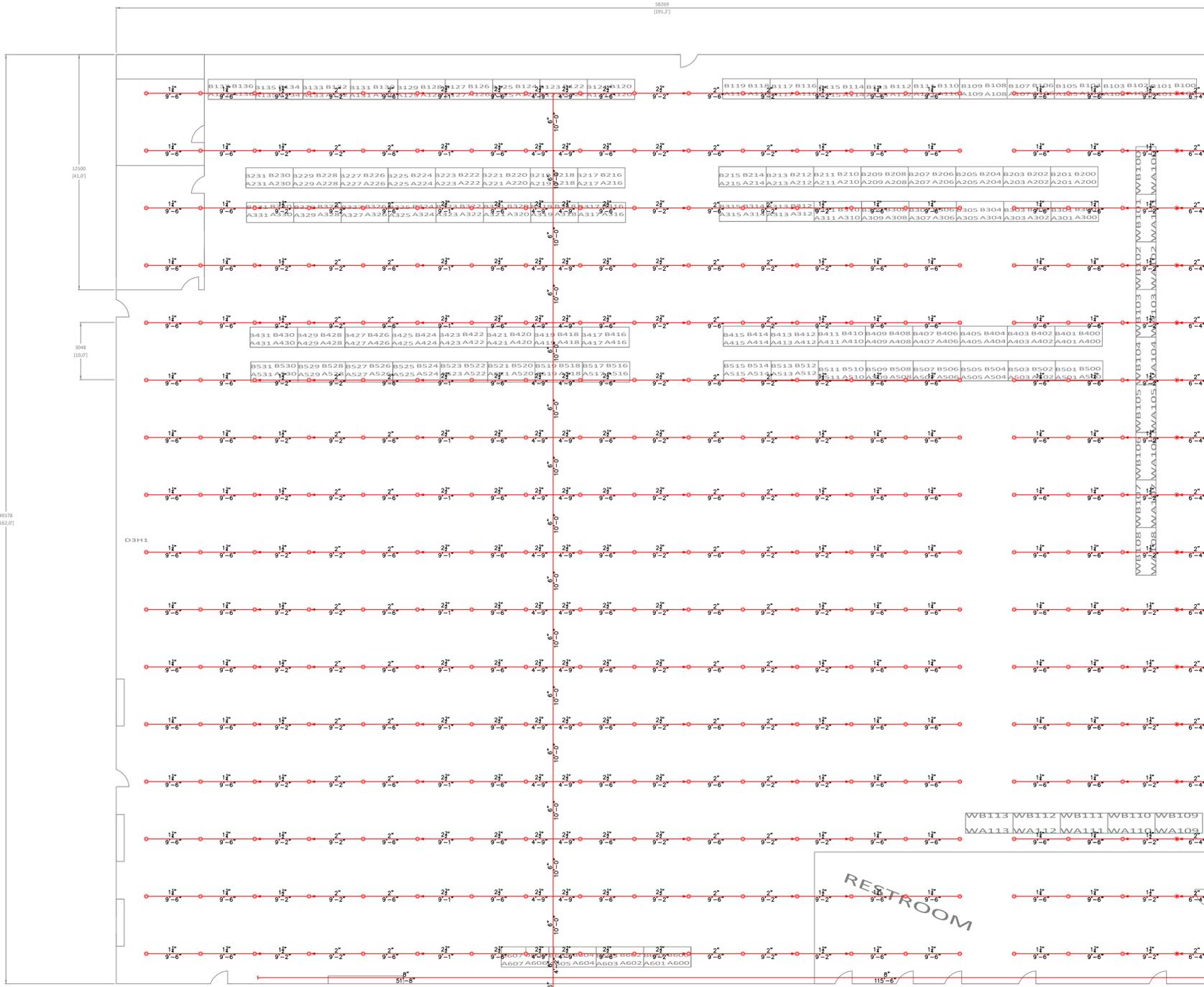
FIRE SUPPRESSION DESIGN NOTES

1.0 SCOPE OF WORK

- 1- INSTALLATION OF A COMPLETE FIRE SPRINKLER SYSTEM WITHIN A EXISTING WAREHOUSE (TENANT IMPROVEMENT), 355 NEW ALBANY ROAD, MOORESTOWN, NJ 08057.
- 2- SYSTEM DESIGN IS PER NFPA-13, 2019 EDITION, STATE AND LOCAL CODES AND STANDARDS.
- 3- ALL MATERIAL SHALL BE UL LISTED AND/OR FM APPROVED.

2.0 GENERAL NOTES

1. ONLY LISTED AND APPROVED DEVICES OR MATERIALS SHALL BE INSTALLED IN THE SYSTEM (EXCEPT HANGER, TANKS, AND PUMPS).
2. ONLY NEW UL LISTED RESIDENTIAL SPRINKLERS SHALL BE INSTALLED WITHIN THE DWELLING AREA.
3. EVERY RESIDENTIAL SPRINKLER SYSTEM SHALL BE FIELD TESTED AND INSPECTED AT BOTH THE ROUGH PLUMBING AND FINAL INSPECTION, PRIOR TO OCCUPANCY BEING GRANTED. THE JURISDICTION FIRE PREVENTION OFFICE SHALL BE NOTIFIED A MINIMUM OF TWO WORKING DAYS IN ADVANCE OF THE REQUESTED INSPECTION.
4. ALL SYSTEMS SHALL BE TESTED FOR LEAKAGE AT NORMAL SYSTEM OPERATING WATER PRESSURE (I.E., 200 PSI WHEN EQUIPPED WITH A FIRE DEPARTMENT CONNECTION) FOR A PERIOD OF NOT LESS THAN TWO HOURS.
5. ALL SYSTEMS SHALL BE AN UNDERGROUND FLUSH COMPLETED AT THE TIME OF HYDRAULIC TEST. FLUSHING SHALL BE COMPLETED PRIOR TO CONNECTION THE UNDERGROUND PIPING TO THE OVERHEAD PIPING.
6. AT LEAST THREE SPRINKLERS OF EACH TYPE, TEMPERATURE RATING AND ORIFICE SIZE USED IN THE SYSTEM, SHALL ALSO BE LOCATED AT THE MAIN RISER. A SPRINKLER WRENCH SHALL ALSO BE LOCATED AT THE MAIN RISER.
7. ALL VALVES SHALL HAVE A PERMANENTLY AFFIXED SIGN INDICATING ITS FUNCTION.
8. PIPING SHALL BE SUPPORTED FROM STRUCTURAL MEMBERS USING SUPPORT METHODS COMPARABLE TO THOSE REQUIRED BY LOCAL PLUMBING CODES. EXCEPTION: LISTED PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH ANY LISTING LIMITATION.
9. THE SPACING AND LOCATIONS OF SPRINKLERS SHALL CONFORM WITH THE MANUFACTURE'S REQUIREMENTS AND THOSE CONTAINED IN 2019 NFPA #13.
10. ALARMS SHALL BE OF SUFFICIENT INTENSITY TO BE CLEARLY AUDIBLE IN ALL BEDROOMS OVER BACKGROUND NOISE LEVELS "MINIMUM 15 DBA" WITH ALL INTERVENING DOORS CLOSED.
11. ANY PORTION OF THE SPRINKLER SYSTEM THAT IS SUBJECT TO FREEZING SHALL BE PROTECTED AGAINST THIS EXPOSURE.



WATER FLOW INFORMATION	
1. STATIC PRESSURE:	40 PSI
2. RESIDUAL PRESSURE:	30 PSI
3. GPM FLOW:	45 GPM

HYDRAULIC CALC. INFORMATION	
1- LOCATION OF THE DESIGN AREA OR AREAS:	MAIN FLOOR
2- DISCHARGE DENSITIES OVER THE DESIGN AREA:	0.4 GPM/SF
3- REQUIRED FLOW AND PRESSURE OF THE SYSTEM AT THE BASE OF THE RISER:	XXX GPM @ XXX PSI
4- OCCUPANCY CLASSIFICATION OR COMMODITY CLASSIFICATION AND MAXIMUM PERMITTED STORAGE HEIGHT AND CONFIGURATION:	NFPA-13 FIRE SPRINKLER SYSTEM
5- HOSE STREAM ALLOWANCE INCLUDED IN ADDITION TO THE SPRINKLER DEMAND:	500-GPM HOSE
6- THE NAME OF THE INSTALLING CONTRACTOR:	XXX
7- REQUIRED FLOW AND PRESSURE OF THE SYSTEM AT THE WATER SUPPLY SOURCE:	XXX GPM @ XXX PSI
8- REQUIRED FLOW AND PRESSURE OF THE SYSTEM AT THE DISCHARGE SIDE OF THE PUMP WHERE A FIRE PUMP IS INSTALLED:	N/A
9- TYPE OR TYPES AND NUMBERS OF SPRINKLERS OR NOZZLES INSTALLED INCLUDING THE ORIFICE SIZE, TEMPERATURE RATING, ORIENTATION, K-FACTOR, SPRINKLER IDENTIFICATION NUMBER (SIN) FOR SPRINKLER HEADS WHEN APPLICABLE, AND RESPONSE TYPE: STANDARD SPRAY HEADS: XXX 1/2" K=XX OR 155° PD	
10- THE MINIMUM DISCHARGE FLOW RATE AND PRESSURE REQUIRED AT THE HYDRAULICALLY MOST DEMANDING SPRINKLER:	X GPM @ X PSI
11- THE REQUIRED PRESSURE SETTINGS FOR PRESSURE REDUCING VALVE:	N/A
12- FOR DELUGE SPRINKLER SYSTEM, THE REQUIRED FLOW AND PRESSURE AT THE HYDRAULICALLY MOST DEMANDING SPRINKLER OR NOZZLE:	N/A
13- THE PROTECTION AREA PER SPRINKLER BASED ON THE HYDRAULIC CALCULATIONS: MAX:	10X10 MAX. SPACING
14- THE EDITION OF NFPA TO WHICH THE SYSTEM WAS DESIGNED AND INSTALLED:	NFPA-13, 2019 ED.

WAREHOUSE PLAN
SCALE: 3/32" = 1'-0"

	GENERAL NOTES		SPRINKLER INFORMATION						SEAL:	CONTRACTOR:	APPROVED BY:	PROJECT:							
	<ol style="list-style-type: none"> All Pipe Locations are to be Field Measured Prior to Fabrication and Installation by Sprinkler Contractor. All Pipe Dimensions Shown are Center to Center. High Temperature Heads are to be Field Located Where Required. All Pipes and Hangers are to be Installed per NFPA #13. 		REV	BY	CHK'D	DATE	DESCRIPTION	SYM	CNT	TYPE	TEMP	K	NPT	MFG.	MODEL#	TENANT IMPROVEMENT WAREHOUSE 355 NEW ALBANY ROAD, MOORESTOWN, NJ 08057			
	1	S.R	K.D	02/12/25	ISSUED FOR REVIEW	304	SSU 5.6K - SSU -2	155°F/200°F	5.6	1/2"	STAR	S2900					FIRE PROTECTION PLAN		
						16	SSU 5.6K - MODEL -G	155°F/200°F	5.6	1/2"	RELIABLE	R1025						JOB #:	DRAWING #:
									320	TOTAL HEADS							SR25_12_265	1 OF 1	1
																DATE:			
																02 DEC, 2025			
																SCALE:			
																AS NOTED			