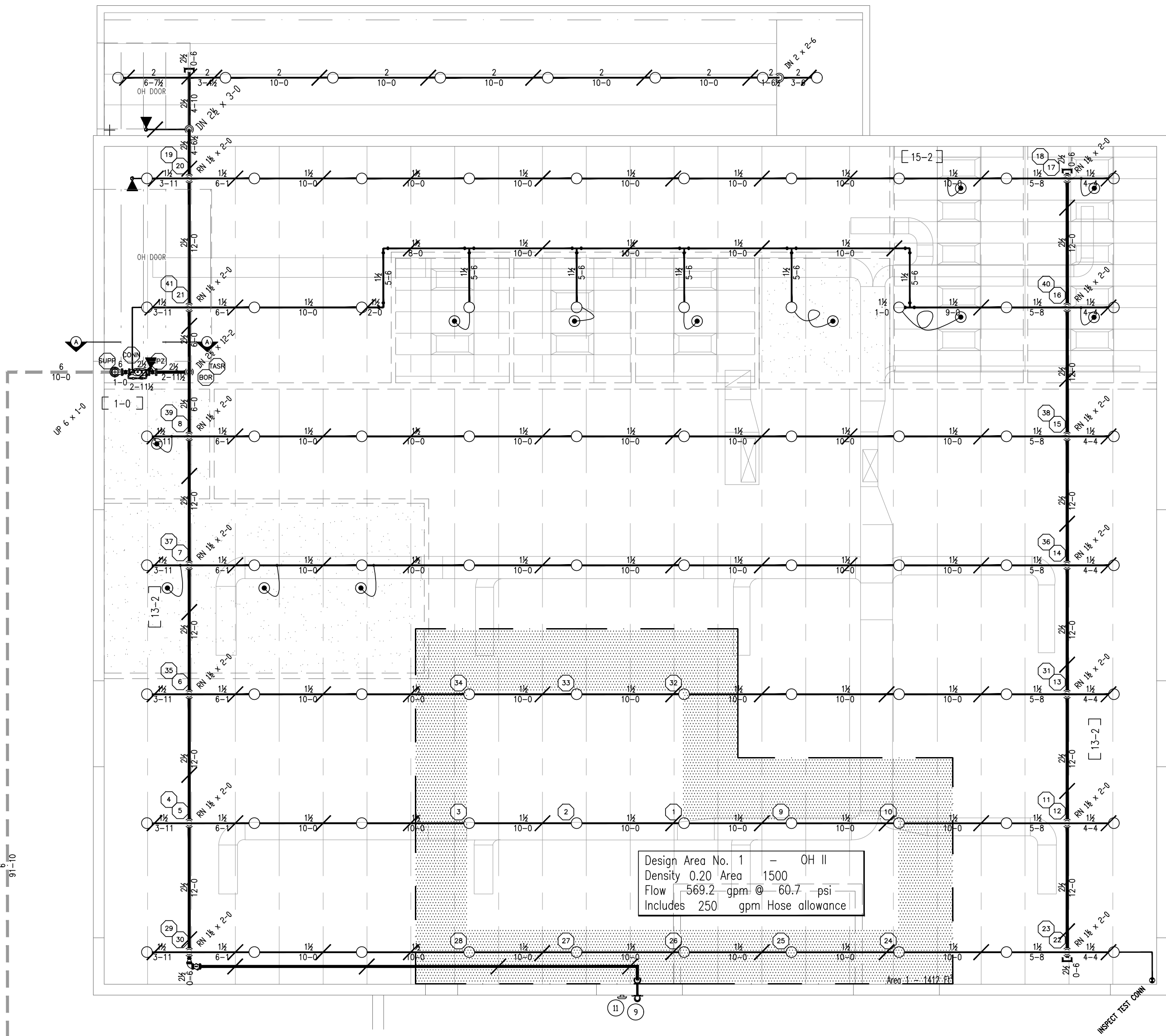
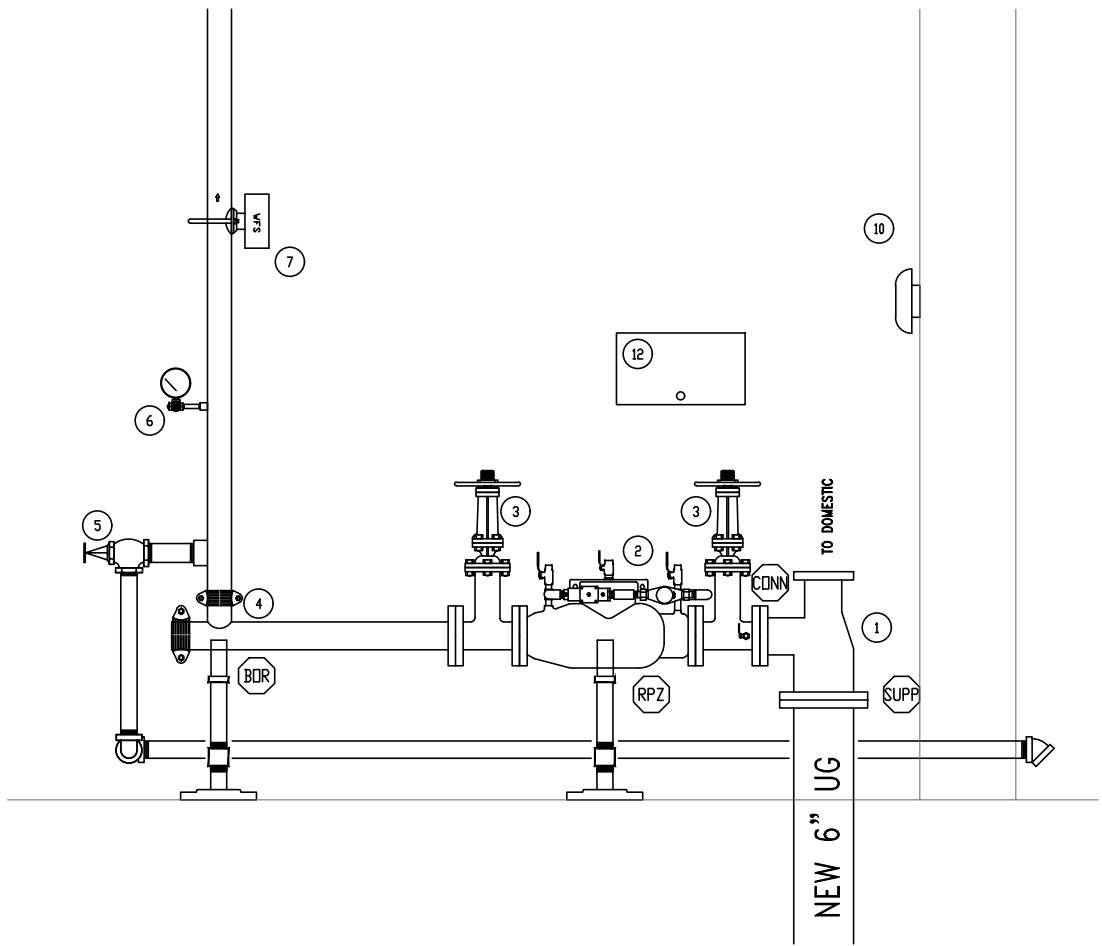




REFLECTED CEILING SPRINKLER PLAN

SCALE: 1/8" = 1'-0"



SECTION "A-A"

SCALE: 1/2" = 1'-0"

HEADER EQUIPMENT

- 6"x2 1/2"x2 1/2" FLANGED TEE BY PLUMBER
- 2 1/2" FLANGED REDUCED PRESSURE DETECTOR ASSEMBLY
- 2 1/2" FLANGED OS&Y CONTROL VALVE w/TAMPER SWITCH
- 2 1/2" GROOVED RISER OUTLET
- 1 1/4" MAIN DRAIN ASSEMBLY
- 1/4" PRESSURE GAUGE ASSEMBLY
- 2 1/2" WATER FLOW SWITCH
- 4" GROOVED CHECK VALVE w/BALL DRIP ASSEMBLY
- 5"x4" STORZ 30" FIRE DEPARTMENT CONNECTION w/CAP & CHAIN
- 6" INSIDE BELL
- 10" OUTSIDE BELL
- 6-HEAD SPARE SPRINKLER CABINET



SITE PLAN

SCALE: 1" = 80'-0"

SCOPE OF WORK

PROVIDE AND INSTALL NEW SPRINKLER SYSTEM TO THIS EXISTING STEEL FRAMED BLOCK BUILDING FOR PROPER COVERAGE BASED ON THE EXISTING AND NEW WALLS AND CEILING LAYOUT. THE NEW OVERHEAD SYSTEM IS DESIGNED TO DELIVER A DENSITY OF 0.20 GPM/SQ FT OVER A REMOTE AREA OF 1500 SF. SPRINKLERS PROTECTING BELOW CEILINGS WILL BE PIPED USING UL LISTED, FM APPROVED FLEX CONNECTIONS FOR THOSE 8 PENDENT SPRINKLERS. THE ROOF SYSTEM WILL REQUIRE 78 NEW BRASS UPRIGHT SPRINKLERS AND 3 BRASS HORIZONTAL SIDEWALL SPRINKLERS BELOW THE OVERHEAD DOORS.

BUILDING INFORMATION

THIS EXISTING BUILDING IS A SINGLE STORY NONCOMBUSTIBLE COMMERCIAL BUILDING. THE NEW FIRE SPRINKLER SYSTEM IS DESIGNED AND HYDRAULICALLY CALCULATED TO BE A CLASS M, MERCANTILE OCCUPANCY WITH A DESIGN DENSITY OF 0.20 GPM/SQ FT OVER A REMOTE AREA OF 1500 SQ FT AND WILL BE FULLY SPRINKLERED AND EQUIPPED IN ACCORDANCE WITH THE CITY OF LOCKPORT BUILDING CODE.

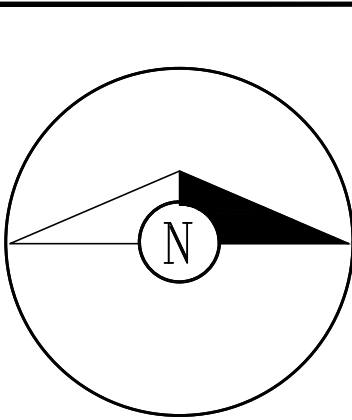
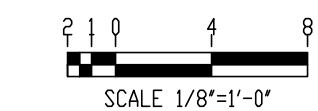
GENERAL NOTES

THE INSTALLATION OF THE REQUIRED WORK TO THIS SPRINKLER SYSTEM BASED ON THE EXISTING BUILDING REQUIREMENTS SHALL BE IN ACCORDANCE WITH NFPA #13 AND THE CITY OF LOCKPORT BUILDING CODE.

ALL MATERIAL AND WORKMANSHIP TO BE IN ACCORDANCE WITH NFPA #13 AND THE CITY OF LOCKPORT BUILDING CODE.

ALL HANGERS TO BE IN ACCORDANCE WITH NFPA #13 AND THE CITY OF LOCKPORT BUILDING CODE EVEN IF NOT SHOWN ON DRAWING.

Stamp:



Flow Test Information		
72 PSI	STATIC PRESSURE	GAUGE HYDRANT LOCATION: 250-FT EAST OF FLOW HYD NORTH SIDE OF MARKET ST. FLOW HYDRANT LOCATION: SOUTH-WEST EDGE OF PARKING LOT CONDUCTED BY: ALERT FIRE PROTECTION & LOCKPORT PUBLIC WORKS
60 PSI	RESIDUAL PRESSURE	
1186 GPM	GALLONS FLOWING	
5/24/22	DATE	
10:00 AM	TIME	

General Notes	
1. All Pipe Locations are to be Field Measured Prior to Fabrication and Installation by Sprinkler Contractor.	
2. All Dimensions Shown are Center to Center.	
3. High Temperature Heads are to be Field Located Where Required.	
4. All Pipes and Hangers are to be Installed per NFPA #13.	
5. Hangers are to be U.L. Listed and F.M. Approved.	
6. All Drains to Discharge Outdoors or a Place Capable of Accepting a Full Flow Under System Pressures.	
7. All New Piping and Material to be Hydrostatically Tested at 200 Psi for 2 Hours in Accordance with NFPA 13, and the AHJ.	

Symbols	
Symbol	Description
○	Hydraulic Reference Points
[18 84]	Elev. Below Top of Steel
[8-4]	Elev. Above Finished Floor
+ (TDS 20-0)	Elev. of Top of Steel
⊖	Ceiling Height
—	Denotes Hanger Location
○	Rise up or down

Miscellaneous Equipment	
Symbol	Description
⊕	10# Wall Mounted ABC Extinguisher
⊕	Fire Extinguisher & Cabinet
⊕	Fire Hose Valve
⊕	Fire Hose Valve & Cabinet

Number of Sprinklers		
Total	Total This Sheet	Total This Job
93	93	93
Symbol	Sin #	Description
○	RA1425	RELIABLE MODEL F1FR-56, K5.6, QR, SC UPRIGHT SPRINKLER 155°F 78
⊕	RA1414	RELIABLE MODEL F1FR-56, K5.6, QR, SC PENDENT SPRINKLER 155°F 12
⊕	RA1435	RELIABLE MODEL F1FR-56, K5.6, QR, SC HSW SPRINKLER 155°F 3

Drawing Title	REFLECTED CEILING SPRINKLER PLAN	
Contract No.	2207249	Revisions:
Drawn By	DRG	Submittal to LOCKPORT
Scale	SHOWN	
Date	6-22-2022	
Approval By	LOCKPORT FIRE PREVENTION BUREAU	

Job:	Blue Label Cigar Lounge	
	423 N. STATE STREET LOCKPORT, IL 60441	
Contractor:	ALERT FIRE PROTECTION LLC. 8940 W. 192nd STREET, UNIT 0 MOKENA, IL. 60448 (708) 479-4300 F(708) 479-4301	

SHEET 1 OF 1	ILLINOIS FSC # 0443 DENNIS GREGORASH ★ NICET LEVEL IV NUMBER 075815
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