

### GENERAL FIRE PROTECTION NOTES

- AUTOMATIC SUPERVISED SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED THROUGHOUT THE SCOPE OF WORK AREA IN ACCORDANCE WITH THE CODES AND STANDARDS LISTED BELOW.
- SPRINKLERS IN THE SCOPE OF WORK AREA SHALL BE REMOVED AND REPLACED WITH NEW TO ACCOMMODATE THE NEW ARCHITECTURAL LAYOUT IN ACCORDANCE WITH THE CODES AND STANDARDS LISTED BELOW. REFER TO ARCHITECTURAL DRAWINGS FOR COMPLETE SCOPE OF WORK.
- IT IS THE INTENT OF THESE DOCUMENTS TO PROVIDE DESIGN, MATERIALS, AND EQUIPMENT FOR A FULLY FUNCTIONING AND OPERATING SPRINKLER SYSTEM, INCLUDING THE PROPER INTERFACE AND COORDINATION WITH MECHANICAL, ELECTRICAL, PLUMBING, ARCHITECTURAL, AND STRUCTURAL SYSTEMS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS OF THE AUTHORITY HAVING JURISDICTION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE LOCATIONS OF SPRINKLERS AND SLOPED PIPING WITH LIGHTING FIXTURES, DIFFUSERS, DUCTWORKS, CLEARANCE REQUIRED FOR EQUIPMENT ACCESS, CONDUITS, PIPES, STRUCTURAL MEMBERS, AND ALL OTHER OBSTRUCTIONS FOR A CODE COMPLIANT COVERAGE IN ACCORDANCE WITH NFPA 13.
- STRUCTURAL MEMBERS SHALL NOT BE CUT OR PENETRATED UNLESS APPROVED BY THE PROJECT ARCHITECT AND STRUCTURAL ENGINEER.
- PIPING LAYOUTS, WHERE SHOWN, ARE DIAGRAMMATIC AND SHOWS SYSTEM INTENT ONLY. THE CONTRACTOR SHALL PROVIDE FINAL LAYOUT AND HYDRAULIC CALCULATIONS IN ACCORDANCE WITH THE STATE BUILDING CODE AND REFERENCED NFPA 13.
- SPRINKLER PIPING SHALL BE INSTALLED SO THAT ALL PORTIONS OF THE SYSTEM CAN BE DRAINED THROUGH THE MAIN DRAIN VALVES FOR THE SYSTEM. WHERE TRAPPED SECTIONS OF PIPING CANNOT BE AVOIDED, AUXILIARY DRAINS SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 13.
- DO NOT INSTALL PIPING BELOW HVAC EQUIPMENT OR THAT INTERFERES WITH ANY TYPE OF ACCESS PANELS.
- SPRINKLERS LOCATED IN AREAS EXPOSED TO STRUCTURE ABOVE SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 REQUIREMENTS FOR OBSTRUCTED OR UNOBSTRUCTED CONSTRUCTION CLASSIFICATIONS.
- SPRINKLERS SHALL BE PROVIDED BELOW DUCTWORK OR EQUIPMENT GREATER THAN 4 FEET IN WIDTH AND COMPLY WITH ALL APPLICABLE OBSTRUCTION RULES OF NFPA 13.
- WHERE CEILING TILES ARE PROVIDED, SPRINKLERS SHALL BE CENTERED IN CEILING TILES.
- SPRINKLER GUARDS SHALL BE PROVIDED ON SPRINKLERS IN AREAS SUBJECT TO MECHANICAL DAMAGE AND ON SPRINKLERS LOCATED LESS THAN 7 FEET ABOVE FINISHED FLOOR.
- PROVIDE ORDINARY TEMPERATURE SPRINKLERS IN ALL AREAS EXCEPT WHERE INTERMEDIATE OR HIGH TEMPERATURE SPRINKLERS ARE SPECIFICALLY REQUIRED BY NFPA 13.
- SPRINKLERS THAT HAVE BEEN PAINTED OVER WITH PAINT FROM OTHER THAN THE SPRINKLER MANUFACTURER SHALL BE REPLACED WITH NEW.
- ALL PIPING SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH NFPA 13.

### FIRE PROTECTION REMOVALS NOTES

- REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR FULL EXTENT OF DEMOLITION SCOPE OF WORK.
- CONTRACTOR IS STRONGLY ENCOURAGED TO VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND SCOPE OF WORK PRIOR TO SUBMITTING BIDS.
- EXISTING CONDITIONS, WHERE SHOWN, IS BASED ON AVAILABLE AS-BUILT DOCUMENTATION FROM THE OWNER AND SITE SURVEYS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AS ACTUAL CONDITIONS MAY VARY.
- EXISTING FIRE PROTECTION SYSTEM COMPONENTS IN THE SCOPE OF WORK AREA THAT ARE FOUND TO BE DAMAGED OR NOT IN REUSABLE CONDITION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND REPLACED WITH NEW.
- CONTRACTOR SHALL COORDINATE ALL REMOVAL, DISPOSAL, AND STORAGE OF EXISTING EQUIPMENT WITH THE OWNER.
- SHUTDOWN OF SPRINKLER SYSTEM TO PERFORM REQUIRED WORK SHALL BE KEPT TO A MINIMUM AND COORDINATED WITH THE OWNER AT LEAST THREE DAYS IN ADVANCE. SPRINKLER SYSTEM SHALL NOT BE SHUTDOWN WITHOUT OWNER APPROVAL.
- EXISTING SPRINKLER SYSTEMS LOCATED OUTSIDE OF THE WORK AREA SHALL NOT BE AFFECTED AND REMAIN FULLY OPERATIONAL DURING THE COURSE OF THE RENOVATION. WHERE THIS CANNOT BE AVOIDED, EMPORARY FIRE PROTECTION MEASURES SHALL BE PROVIDED IN THE AFFECTED AREAS IN THE FORM STRATEGICALLY LOCATED TEMPORARY CONTROL VALVES, APPROVED FIRE WATCH OR OTHER APPROVED METHODS ACCEPTABLE TO THE AHJ.

### CODES AND STANDARDS

2020	NYS BUILDING CODE
2020	NYS EXISTING BUILDING CODE
2020	NYS FIRE CODE
NFPA 13	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2016

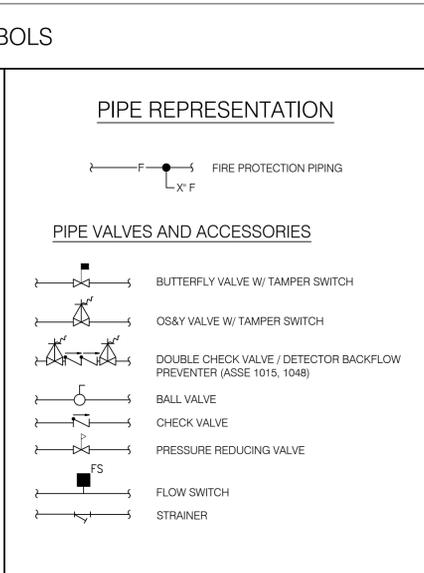
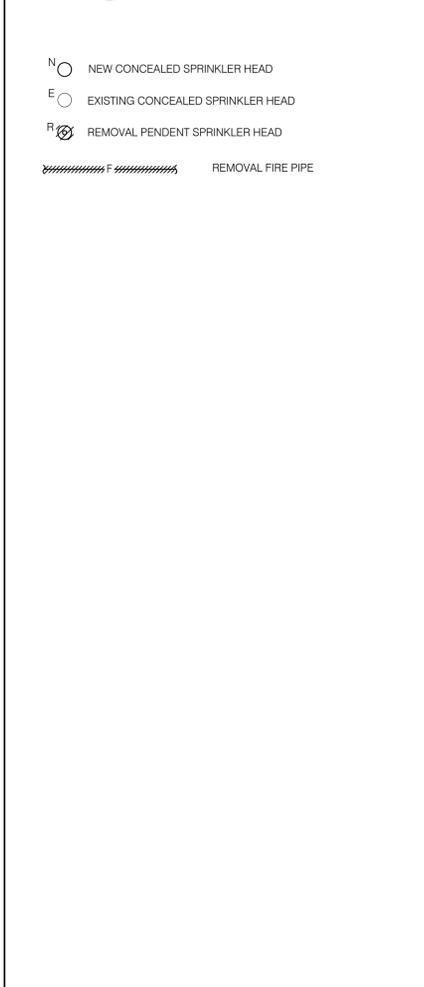
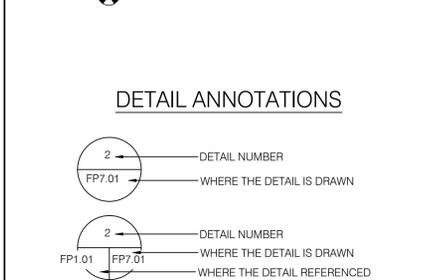
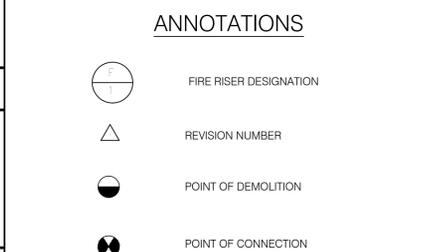
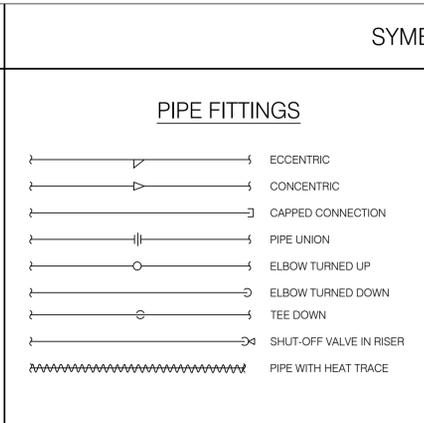
### SPRINKLER LEGEND

SYMBOL	MODEL	K FACTOR	TYPE	ORFICE	RESPONSE	FINISH	TEMP.
○	VICTAULIC V3801	5.6	CONCEALED	1/2"	QUICK	BRASS	155° F

### DESIGN CRITERIA

SPRINKLER SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH NFPA 13 HAZARD CLASSIFICATIONS AND THEIR CORRESPONDING DESIGN DENSITY, DESIGN AREA, AND HOSE STREAM REQUIREMENTS. PIPE SCHEDULE METHOD IS NOT PERMITTED TO BE USED. MINIMUM SAFETY FACTOR OF 10 PSI SHALL BE PROVIDED.

- LIGHT HAZARD: HALLWAY, ALL GENDER, MEN'S, WOMEN'S RESTROOM AND SIMILAR SPACES SHALL BE DESIGNED USING 0.1 GPM/SF OVER 1500 SQUARE FEET WITH 100 GPM HOSE STREAM. MAXIMUM SPRINKLER PROTECTION AREA SHALL NOT EXCEED 225 SQUARE FEET.



### ABBREVIATIONS

AAV	AUTO AIR VENT ABOVE	N	NEW NATIONAL FIRE PROTECTION ASSOCIATION
ABV	AREA DRAIN ABOVE FINISHED FLOOR	NFPA	NOT IN CONTRACT NUMBER
AD	AUTHORITY HAVING JURISDICTION	OS&Y	OUTSIDE STEM AND YOLK
AFF	ACCESS PANEL ARCHITECTURAL ENGINEERS	P	PUMP
AHJ	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	PH	PHASE (ELECTRICAL)
AP	AMERICAN SOCIETY OF PLUMBING ENGINEERS	PRV	PRESSURE REDUCING VALVE
ARCH	AMERICAN SOCIETY OF SANITARY ENGINEERS	PSI	POUNDS PER SQUARE INCH
ASME		QR	QUICK RESPONSE
ASPE		RPM	REVOLUTIONS PER MINUTE
ASSE		SAN	SANITARY/WASTE PIPE
		SF	SQUARE FEET
		SS	STAINLESS STEEL
		STP	STANDPIPE
		STRUC	STRUCTURAL
BLDG	BUILDING BELOW	TDA	TEST AND DRAIN ASSEMBLY
BLW		TEMP	TEMPERATURE
		TYP	TYPICAL
CFM	CUBIC FEET PER MINUTE	W	WATT
CLG	CEILING	WM	WATER METER
CONN	CONNECTION	WTR	WATER
CONT	CONTINUATION	W/	WITH
CW	COLD WATER	W/O	WITHOUT
D	DEMOLISH / REMOVAL		
D/CWASA	D.C. WATER AND SEWER AUTHORITY		
DIA	DIAMETER		
DN	DOWN		
DWG	DRAWING		
E	EXISTING		
EA	EACH		
EQUIP	EQUIPMENT		
ETR	EXISTING TO REMAIN		
F	FIRE		
FD	FLOOR DRAIN		
FDC	FIRE DEPARTMENT CONNECTION		
FHC	FIRE HOSE CABINET		
FHV	FIRE HOSE VALVE		
FL	FLOOR		
FOB	FLAT ON BOTTOM		
FOT	FLAT ON TOP		
FS	FLOW SWITCH		
FT	FEET		
GAL	GALLON		
GPM	GALLONS PER MINUTE		
HDPE	HIGH DENSITY POLYETHYLENE		
HP	HORSE POWER		
IN	INCH		
INV	INVERT		
KW	KILOWATT		
MAX	MAXIMUM		
MECH	MECHANICAL		
MFR	MANUFACTURER		
MIN	MINIMUM		
MTD	MOUNTED		

### FIRE PROTECTION DRAWING LIST

SHEET	DRAWING	TITLE
1	F-001.00	GENERAL NOTES, SYMBOLS & ABBREVIATIONS
2	F-101.00	MUSIC BUILDING - FIRE PROTECTION PLANS
3	F-701.00	FIRE PROTECTION DETAILS

## RESTROOM RENOVATION PURCHASE COLLEGE

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## GENERAL NOTES, SYMBOLS & ABBREVIATIONS

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CHK By	KB
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DOB Rev	
<b>F-001.00</b>	