	SYMBOLS	
STIMBULS		
	EQUIPMENT & COMPONENTS	
ACE	ACCESSORY CABINET ENCLOSURE	
ADSP	AIR SAMPLING SMOKE DETECTOR POWER SUPPLY	
AMP	AMPLIFIER	
BATT	BATTERY CABINET	
DACR	DIGITAL ALARM COMMUNICATOR RECEIVER	
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER	
DARR	DIGITAL ALARM RADIO RECEIVER	
DART	DIGITAL ALARM RADIO TRANSMITTER	
DCCR	DIGITAL CELLULAR COMMUNICATION RECEIVER	
DCCT	DIGITAL CELLULAR COMMUNICATION TRANSMITTER	
DOCS	DOCUMENT STORAGE CABINET	
MICR	EMERGENCY VOICE MICROPHONE MODULE	
₩-	END OF LINE RESISTOR	
FAA #	FIRE ALARM REMOTE ANNUNCIATOR	
FACU	FIRE ALARM CONTROL UNIT (# = NODE DESIGNATION)	
FATC	FIRE ALARM TERMINAL CABINET	
FFSCP	FIRE FIGHTER'S SMOKE CONTROL PANEL	
FSRU	FIRE SUPPRESSION RELEASING CONTROL UNIT	
FSRUd	FIRE SUPPRESSION RELEASING CONTROL UNIT (CONVENTIONAL)	
GAP	GRAPHIC ANNUNCIATOR PANEL	
IPCR	INTERNET PROTOCOL COMMUNICATION RECEIVER	
IPCT	INTERNET PROTOCOL COMMUNICATION TRANSMITTER	
IS	ISOLATION MODULE	
JB	JUNCTION BOX	
KB	KEY BOX	
MD	MAGNETIC DOOR HOLDER	
MB	MUNICIPAL MASTER BOX	
PRN	PRINTER	
RAI	REMOTE ALARM INDICATOR	
RPS	REMOTE POWER SUPPLY	
RTP	ROOM TEMPERATURE SWITCH	
RTS	REMOTE TEST SWITCH	
	INTERFACE MODULES	
СМ	CONTROL MODULE	
MM	MONITOR MODULE	
RM	RELAY MODULE	
	MANUAL INITIATING DEVICES AND CONTROLS	
F	FIRE ALARM MANUAL PULL STATION	
Fc	FIRE ALARM MANUAL PULL STATION (CONVENTIONAL)	
FX	MANUAL PULL STATION - FIRE SUPPRESSION SYSTEM RELEASE	
FXd	MANUAL PULL STATION (CONVENTIONAL) - FIRE SUPPRESSION SYSTEM RELEASE	
A	MANUAL PUSH BUTTON - FIRE SUPPRESSION SYSTEM ABORT	

(HAZMAT)

MANUAL PULL STATION (CONVENTIONAL) - EMERGENCY ALARM

	SYMBOLS
	SYSTEM SPOT-TYPE FIRE DETECTORS
오	BASIC SYMBOL FOR SPOT-TYPE FIRE DETECTOR - WALL MOUNT
$\bigcirc$	BASIC SYMBOL FOR SPOT-TYPE FIRE DETECTOR - CLNG MOUNT
$\triangle$	BASIC SYMBOL FOR SPOT-TYPE FIRE DETECTOR - W/ SOUNDER BA
<b>⊘</b>	PHOTOELECTRIC SMOKE DETECTOR
	PHOTOELECTRIC IN-DUCT SMOKE DETECTOR
$\boxtimes$ $\bigcirc$	PHOTOELECTRIC SAMPLING-TUBE DUCT SMOKE DETECTOR
<b>I</b>	FIXED TEMPERATURE / RATE OF RISE HEAT DETECTOR (t = ACTIVATION TEMPERATURE OF FIXED TEMP THERMAL ELEMENT)
<b>₹</b>	COMBINATION PHOTOELECTRIC SMOKE / FIXED TEMP HEAT DETECTOR (t = ACTIVATION TEMPERATURE OF THERMAL ELEMENT
(Z)	COMBINATION PHOTOELECTRIC SMOKE / CO DETECTOR
COCCUT <sup>t</sup>	MULTI-CRITERIA PHOTOELECTRIC SMOKE / FIXED TEMP HEAT / CO DETECTOR (t = ACTIVATION TEMPERATURE OF THERMAL ELEMENT
	SPECIAL TECHNOLOGY FIRE DETECTORS
早	BASIC SYMBOL FOR SPECIAL TECHNOLOGY FIRE DETECTOR - WALI
	BASIC SYMBOL FOR SPECIAL TECHNOLOGY FIRE DETECTOR - CLNC
≥ <sub>AS</sub>	AIR SAMPLING SMOKE DETECTOR
<b>∑</b> ≥ <sub>AS</sub>	AIR SAMPLING TYPE DUCT DETECTOR
co ? AS	COMBINATION AIR SAMPLING SMOKE / CO DETECTOR
H2 Z	COMBINATION AIR SAMPLING SMOKE / H2 DETECTOR
≥ BT	END-TO-END OPTICAL BEAM SMOKE DETECTOR (TRANSMITTER UN
☑ <sub>BR</sub>	END-TO-END OPTICAL BEAM SMOKE DETECTOR (RECEIVER UNIT)
≥ BTR	SINGLE-END OPTICAL BEAM SMOKE DETECTOR (TRANSMITTER / RECEIVER UNIT)
<u></u> BRF	SINGLE-END OPTICAL BEAM SMOKE DETECTOR (REFLECTOR PANE
<u>     ∪∨</u>	ULTRAVIOLET SPECTRUM FLAME DETECTOR
► <u>IR</u>	INFRARED SPECTRUM FLAME DETECTOR
N <sub>UVIR</sub>	COMBINATION ULTRAVIOLET / INFRARED SPECTRUM FLAME DETECTOR
	CONVENTIONAL SPOT-TYPE FIRE DETECTORS
오	BASIC SYMBOL FOR CONVENTIONAL FIRE DETECTOR - WALL MOUN
0	BASIC SYMBOL FOR CONVENTIONAL FIRE DETECTOR - CEILING MOUNT
0	CONVENTIONAL PHOTOELECTRIC SMOKE DETECTOR
<b>O</b> t	CONVENTIONAL FIXED TEMPERATURE HEAT DETECTOR (t = ACTIVATION TEMPERATURE)
	SINGLE / MULTIPLE STATION SMOKE ALARMS
$\Delta$	BASIC SYMBOL FOR SMOKE ALARM - WALL MOUNT
8	BASIC SYMBOL FOR SMOKE ALARM - CEILING MOUNT
${\mathfrak Q}$	SINGLE / MULTIPLE STATION SMOKE ALARM
	SINGLE / MULTIPLE STATION COMBINATION SMOKE / CO ALARM
	RADIO PES COMMUNICATIONS ENHANCEMENT SYSTEMS
BDA	BI-DIRECTIONAL RADIO SIGNAL AMPLIFIER
BDAA	BI-DIRECTIONAL RADIO SIGNAL AMPLIFIER ALARM PANEL

FIRE FIGHTER'S PHONE CONTROLLER / HANDSET - PRIORITY

FIRE FIGHTER'S PHONE PLUG-IN PHONE JACK

COMMAND LOCATION

FFP FIRE FIGHTER'S PHONE HANDSET

## SYMBOLS NOTIFICATION APPLIANCES AUDIBLE HORN - WALL MOUNT AUDIBLE HORN - CLNG MOUNT VISUAL STROBE - WALL MOUNT VISUAL STROBE - CLNG MOUNT COMBINATION AUDIBLE HORN / VISUAL STROBE - WALL MOUNT COMBINATION AUDIBLE HORN / VISUAL STROBE - CLNG MOUNT AUDIBLE & INTELLIGIBLE SPEAKER - WALL MOUNT AUDIBLE & INTELLIGIBLE SPEAKER - CLNG MOUNT COMBINATION AUDIBLE & INTELLIGIBLE SPEAKER / VISUAL STROBE - WALL MOUNT COMBINATION AUDIBLE & INTELLIGIBLE SPEAKER / VISUAL STROBE - CLNG MOUNT VISUAL FLASHING BEACON AUDIBLE ALARM BELL NOTIFICATION APPLIANCE ANNOTATION C = CEILING MOUNT cd = VISUAL STROBE CANDELA OUTPUT w = SPEAKER WATTAGE TAP **EXISTING EQUIPMENT DESIGNATIONS** EXISTING EQUIPMENT TO REMAIN. WHERE ARCHITECTURAL WORK IS REQUIRED AT DEVICE LOCATION, DISCONNECT, REMOVE AND REINSTALL DEVICE AS NECESSARY TO ACCOMMODATE ARCHITECTURAL WORK. FOR SURFACE MOUNTED RACEWAY, THIS DESIGNATION SHALL INDICATE RACEWAY AND DEVICES TO REMAIN UNLESS OTHERWISE EXISTING EQUIPMENT TO BE DISCONNECTED, REMOVED AND REPLACED WITH NEW. EXISTING CIRCUIT WIRING AND PATHWAY TO BE MAINTAINED AND REUSED FOR NEW EQUIPMENT CONNECTION. EXISTING EQUIPMENT TO NEW "XL" LOCATION. CUT BACK AND/OR EXTEND EXISTING CIRCUIT WIRING AND PATHWAY AS REQUIRED SO AS TO PROVIDE A COMPLETE OPERATIONAL INSTALLATION. EXISTING RELOCATED "XR" EQUIPMENT AT "XL" NEW REMOVE EXISTING EQUIPMENT. PROVIDE NOTICE TO OWNER OF EQUIPMENT REMOVED. AS DIRECTED BY THE OWNER, BOX REMOVED EQUIPMENT AND RETURN TO THE OWNER AS SPARE INVENTORY. GENERAL ANNOTATION SECTION NUMBER dwg DRAWING NUMBER ELEVATION NUMBER dwg DRAWING NUMBER DETAIL / PART-PLAN NUMBER dwg DRAWING NUMBER

KEY NOTE NOTE - NOT ALL SYMBOLS USED FOR THIS PROJECT

CONNECT TO EXISTING

## **ABBREVIATIONS** GENERAL **AMPERES** ACOUSTICAL CEILING TILE ABOVE FINISH FLOOR ABOVE FINISH GRADE AUTHORITY HAVING JURISDICTION ARCH ARCHITECT AWG AMERICAN WIRE GAUGE BLDG BUILDING CENTER LINE CONCRETE MASONRY UNIT CARBON MONOXIDE CONT CONTINUATION DRAWING ELECTRICAL ELEC ELEV **ELEVATION** EXISTING FT FEET GALV GALVANIZED GND GROUND GWB GYPSUM WALL BOARD HAZMAT HAZARDOUS MATERIAL MAX MAXIMUM MIN MINIMUM MECH MECHANICAL MISC MISCELLANEOUS **METERS** MM MILLIMETERS NOT APPLICABLE NORMALLY CLOSED NOT IN CONTRACT NORMALLY OPEN NATIONALLY RECOGNIZED TESTING LABORATORY NTS NOT TO SCALE PUBLIC EMERGENCY SERVICE QTY QUANTITY SQFT SQUARE FEET SQM SQUARE METERS TEMP TEMPERATURE TYP **TYPICAL** VOLTS WEATHER PROOF **EXPLOSION PROOF** SYSTEMS, EQUIPMENT, AND MATERIALS AUTONOMOUS CONTROL UNIT ACU AMP AMPLIFIER ASSD AIR-SAMPLING SMOKE DETECTOR AUXILIARY 24V POWER CIRCUIT ANALOG VOICE CIRCUIT BI-DIRECTIONAL AMPLIFIER BDAA BI-DIRECTIONAL AMPLIFIER ALARM PANEL COAXIAL CABLE NETWORK COMMUNICATION CIRCUIT DIGITAL VOICE CIRCUIT EMERGENCY COMMUNICATION SYSTEM ELECTRICAL METALLIC TUBING EOL END OF LINE RESISTOR FACU FIRE ALARM CONTROL UNIT FIRE ALARM SYSTEM FATC FIRE ALARM TERMINAL CABINET FLEXIBLE METALLIC CONDUIT FMCL LIQUID TIGHT FLEXIBLE METALLIC CONDUIT FIBER OPTIC CABLE POWER LIMITED FIRE ALARM CABLE FPLP POWER LIMITED FIRE ALARM CABLE - PLENUM FPLR POWER LIMITED FIRE ALARM CABLE - RISER FSRU FIRE SUPPRESSION RELEASING UNIT FIXED TEMPERATURE GRAPHIC ANNUNCIATOR PANEL HIGH LEVEL INTERFACE INITIATING DEVICE CIRCUIT INTERFACE MODULE JUNCTION BOX METAL CLAD CABLE MAGNETIC DOOR HOLD-OPEN MFVN MANAGED FACILITIES-BASED VOICE NETWORK NAC NOTIFICATION APPLIANCE CIRCUIT PROTECTED PREMISES PRINTER PSTN PUBLIC-SWITCHED TELEPHONE NETWORK RAI REMOTE ALARM INDICATOR RCES RADIO COMMUNICATION ENHANCEMENT SYSTEM RATE OF RISE RIGID METALLIC CONDUIT

REMOTE POWER SUPPLY

SIGNALING LINE CIRCUIT

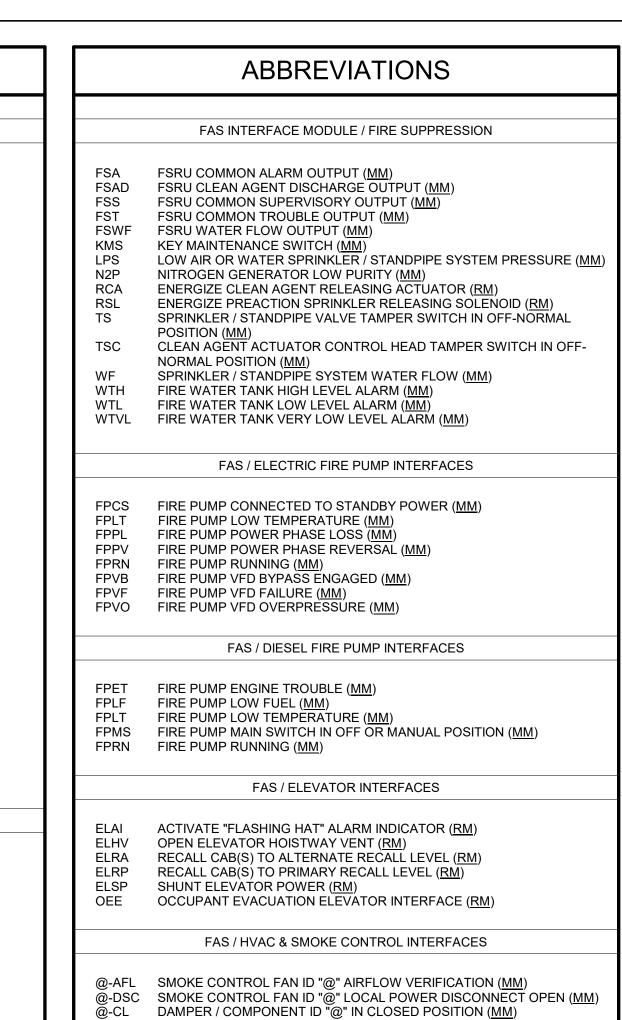
RELEASING SERVICE

SPEAKER CIRCUIT

STROBE CIRCUIT

TERMINAL BLOCK

STR



DAMPER / COMPONENT ID "@" IN OPEN POSITION (MM)

CONVENTIONAL DUCT SMOKE DETECTOR ALARM (MM)

**BI-DIRECTIONAL AMPLIFIER INTERFACES** 

CONVENTIONAL INITIATING DEVICES

CONVENTIONAL FIRE ALARM MANUAL PULL STATION (MM)

FAS / OTHER SYSTEM INTERFACES

OVERRIDE SOUND CONTROLS - SHUTDOWN AV SYSTEMS (RM)

DE-ENERGIZE NATURAL GAS SUPPLY SHUTOFF SOLENOID (RM)

SECS FAS COMMON SUPERVISORY SIGNAL TO SECURITY SYSTEM (RM)

SPECIAL TECHNOLOGY DETECTION

ASDP AIR SAMPLING SMOKE DETECTION PRE-ALARM (ALERT/ACTION) ASDT AIR SAMPLING SMOKE DETECTOR / POWER SUPPLY TROUBLE

CONVENTIONAL HEAT DETECTOR ALARM (MM)

OVERRIDE LIGHTING CONTROLS TO NORMAL (RM)

GENR EMERGENCY / STANDBY GENERATOR RUNNING (MM) PASO OVERRIDE PUBLIC ADDRESS SYSTEM - MUTE SOUND (RM) SECA FAS COMMON ALARM SIGNAL TO SECURITY SYSTEM (RM)

FAS COMMON TROUBLE SIGNAL TO SECURITY SYSTEM (RM)

OVERRIDE SOUND MASKING CONTROLS (RM)

@-PW EQUIPMENT ID "@" POWER OFF NORMAL (MM)

BMSS FAS COMMON SUPERVISORY TO BMS (RM)

SHUT DOWN FUEL OIL PUMP(S) (RM)

ROOM TEMPERATURE SWITCH (MM)

ASD1 AIR SAMPLING SMOKE DETECTION FIRE 1 ASD2 AIR SAMPLING SMOKE DETECTION FIRE 2

BEDA BEAM DETECTOR ALARM (MM) BDT BEAM DETECTOR TROUBLE (MM)

BMSA FAS COMMON ALARM TO BMS (RM)

BMST FAS COMMON TROUBLE TO BMS (RM)

DR RELEASE DOOR(S) (RM)

OPEN / CLOSE DAMPER / COMPONENT ID "@" (RM)

STOP HVAC / SMOKE CONTROL FAN ID "@" (RM)

STA-@ START HVAC / SMOKE CONTROL FAN ID "@" (RM)

FIRE SMOKE DAMPER (RM)

SMOKE DAMPER (RM)

BDAC LOSS OF AC POWER (MM)

BDLB LOW BATTERY (MM)

BDAM ANTENNA MALFUNCTION (MM)

BDSM SIGNAL BOOSTER FAILURE (MM)

BIDDING & CONSTRUCTION 07/06/2022

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**CATSKILLS** 

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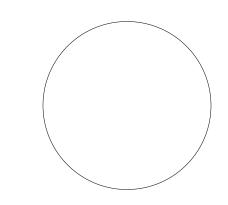
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NOTE - NOT ALL ABBREVIATIONS USED FOR THIS PROJECT

REVISIONS

SCALE NONE

FIRE ALARM - SYMBOLS & **ABBREVATIONS** 

FA-1