

# FIRE ALARM SYSTEM RISER DIAGRAM N.T.S.

#### FIRE ALARM NOTES

- 1. ALL EQUIPMENT AND WIRING SHOWN ON THE ABOVE RISER DIAGRAM IS NEW (U.O.N.) AND IS BASED ON THE NOTIFIER PLATFORM. THE ELECTRICAL CONTRACTOR SHALL CONTACT THE BUILDING'S FIRE ALARM MAINTENANCE CONTRACTOR, ED HELBECK OF CASEY SYSTEMS, TEL. NO. (212) 564-3960 x224 FOR THE EXACT SPECIFICATIONS OF ALL FIRE ALARM DEVICES AND EQUIPMENT REQUIRED.
- 2. PROVIDE WIRING AS REQUIRED BETWEEN ALL DEVICES AND EQUIPMENT AS REQUIRED TO PERFORM FIRE ALARM SYSTEM FUNCTIONS.
- 3. WIRING FOR FIRE ALARM DEVICES IN FINISHED SPACES WITHOUT HUNG CEILING SHALL BE INSTALLED IN EMT CONDUIT.
- 4. WIRING FOR FIRE ALARM DEVICES IN UNFINISHED SPACES SHALL BE INSTALLED IN RGS CONDUIT UP TO 8'-0" AFF AND THEN IN EMT CONDUIT ABOVE 8'-0" AFF.
- 5. FOR LOCATIONS AND QUANTITIES OF DEVICES REFER TO FIRE ALARM FLOOR PLANS. WHERE THERE ARE DISCREPANCIES BETWEEN THE PLANS AND THE RISER DIAGRAM, THE GREATER QUANTITY SHALL BE USED.
- DEVICES AND CONNECTIONS SHOWN ARE FOR INFORMATION ONLY. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO FIELD VERIFY THE FLOOR CONDITIONS PRIOR TO THE START OF ANY WORK.
- 7. CONTRACTOR SHALL VERIFY ALL WIRING WITH FIRE ALARM VENDOR AND OBTAIN WIRING DIAGRAMS BEFORE PROCEEDING WITH THE START OF ANY WORK.
- 8. DO NOT SPLICE FIRE ALARM CONDUCTORS.
- 9. PROVIDE FAN SHUT DOWN CAPABILITY FOR FANS WITH A RATING LARGER THAN 2,000 CFM. SHUT DOWN SHALL BE ACCOMPLISHED BY ONE OR MORE OUTPUT CONTROL POINTS FROM THE FIRE ALARM SYSTEM TO RELAYS FOR SHUTDOWN. PROVIDE CONTROL AND MONITORING FOR ALL RELAYS. PROVIDE POWER, CONTROL RELAYS, MONITORING AND WIRING FOR ALL FIRE/SMOKE DAMPERS. DAMPER MONITORING SHALL BE FROM AN END SWITCH ON THE DAMPER VIA A RELAY. REFER TO HVAC PLANS AND SPECIFICATIONS FOR REQUIRED FIRE MODE OPERATION OF ASSOCIATED DAMPERS AND FANS.
- 10. DUCT DETECTORS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR ALONG WITH FURNISHING OF THE SAMPLING TUBES. DUCTWORK MODIFICATIONS AND INSTALLATION OF SAMPLING TUBES SHALL BE BY THE MECHANICAL CONTRACTOR. FOR FANS RATED LARGER THAN 2,000 CFM PROVIDE DUCT DETECTOR IN SUPPLY DUCT; FOR FANS RATED LARGER THAN 15,000 CFM PROVIDE DUCT DETECTORS IN SUPPLY AND RETURN DUCTWORK.
- 11. PROVIDE ALL REQUIRED EXPANSION PANELS, PC BOARDS, POWER SUPPLIES, BATTERIES, FUSE CUTOUTS AND BRANCH CIRCUITS, ETC, FOR A COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM
- 12. STROBES AND HORNS SHALL BE WIRED ON ALTERNATING A-B CIRCUITING IN ALL AREAS, AS INDICATED ON THE RISER DIAGRAM.

FIRE ALARM DRAWING LIST

FA-001.00 FIRE ALARM NOTES, SYMBOL LIST & RISER DIAGRAM
FA-101.00 3RD FLOOR FIRE ALARM PLAN

#### FIRE ALARM SYSTEM SEQUENCE OF OPERATION

- 1. RESPONSE TO ALARM CONDITIONS:
- 1. UPON ACTIVATION OF ANY ALARM INITIATING DEVICE SUCH AS A MANUAL PULL STATION, THE FOLLOWING SHALL OCCUR:
- A. LIGHT THE COMMON ALARM INDICATOR AT THE FIRE COMMAND STATION.
- B. LIGHT A LAMP AT THE FIRE COMMAND STATION INDICATING THE FLOOR OF ALARM INDICATION, AND THE TYPE OF DEVICE IN ALARM.
- C. DISPLAY, AT THE FIRE COMMAND STATION, THE TEXT MESSAGE ASSOCIATED WITH THE ACTIVATED DEVICE, ALONG WITH ITS STATUS AND PROGRAM ADDRESS.
- D. SOUND A PULSING AUDIBLE SIGNAL AT THE FIRE COMMAND
- E. ACTIVATE THE FLASHING FIRE SIGN AT THE FIRE COMMAND STATION.
- F. SOUND THE EVACUATION TONE ON THE FLOOR OF ALARM INDICATION AND THE FLOOR ABOVE. THIS TONE SHALL TAKE PRECEDENCE OVER THE SOUNDING OF THE INQUIRY TONE LISTED HEREINAFTER.
- G. ACTIVATE THE STROBE LIGHTS ON THE FLOOR OF ALARM INITIATION AND THE FLOOR ABOVE.
- H. ACTIVATE A CONTACT TO SIGNAL AN ALARM CONDITION TO THE CENTRAL STATION TRANSMITTER. ALSO LIGHT AN INDICATOR ON THE FIRE COMMAND STATION SIGNALING THAT ANA ALRM CONDITION HAS BEEN REPORTED TO THE CENTRAL STATION TRANSMITTER.
- I. INDICATE THE TIME OF ALARM ACTIVATION AT THE FIRE COMMAND STATION
- 2. UPON ACTIVATION OF ANY SMOKE/HEAT DETECTOR SHALL IN ADDITION TO 1.1(A) THRU 1.1(I), THE FOLLOWING SHALL OCCUR:
- A. ACTIVATE CONTACTS TO SHUTDOWN ALL FANS LOCATED ON, OR SERVING THE FLOOR OF ALARM INDICATION. THE FANS, ONCE SHUTDOWN SHALL NOT RESTART WHEN THE FIRE COMMAND STATION IS RESET, BUT SHALL REQUIRE OPERATION OF A SEPARATE DEDICATED SWITCH WITHIN THE FIRE COMMAND STATION.
- B. ACTIVATE ALL CONTACTS TO CLOSE ALL SMOKE AND FIRE SMOKE DAMPERS ASSOCIATED WITH ANY FANS IN SHUT DOWN MODE.
- 2. RESPONSE TO SUPERVISORY ALARMS:
- 1. UPON ACTIVATION OF A SPRINKLER VALVE TAMPER SWITCH, THE FOLLOWING SHALL OCCUR:
- A. LIGHT THE COMMON SUPERVISORY INDICATOR AT THE FIRE COMMAND STATION.
- B. DISPLAY, AT THE FIRE COMMAND STATION, THE TEXT MESSAGE ASSOCIATED WITH THE ACTIVATED DEVICE, ALONG WITH ITS STATUS AND PROGRAM ADDRESS.
- C. SOUND A PULSING AUDIBLE SIGNAL AT THE FIRE COMMAND
- D. ACTIVATE A CONTACT TO SIGNAL A SUPERVISORY CONDITION TO THE CENTRAL STATION TRANSMITTER.
- E. INDICATE THE TIME OF SUPERVISORY CONDITION AT THE FIRE COMMAND STATION.

# 2. UPON ACTIVATION OF A DGP CABINET TAMPER SWITCH, THE

- A. LIGHT THE COMMON SUPERVISORY INDICATOR AT THE FIRE
- B. DISPLAY, AT THE FIRE COMMAND STATION, THE TEXT MESSAGE ASSOCIATED WITH THE ACTIVATED DEVICE, ALONG WITH ITS STATUS

**ABBREVIATIONS** 

DGP

ELV

FDS

HC

NTS

RCU

CONDUIT

EXISTING

FIRE ALARM

GROUND

REMOVE

HUNG CEILING

NOT TO SCALE

ABOVE FINISHED FLOOR

ELEVATOR LOBBY

DATA GATHERING PANEL

EXISTING TO BE LOWERED

ELECTRIC METALLIC TUBING

EXISTING TO BE RELOCATED

FUSED DISCONNECT SWITCH

NEW TO REPLACE EXISTING

REMOTE COMPUTER UNIT

RELOCATED EXISTING
RIGID GALVANIZED STEEL
UNLESS OTHERWISE NOTED

- C. SOUND A PULSING AUDIBLE SIGNAL AT THE FIRE COMMAND
- D. ACTIVATE A CONTACT TO SIGNAL A SUPERVISORY CONDITION TO THE CENTRAL STATION TRANSMITTER.
- E. INDICATE THE TIME OF SUPERVISORY CONDITION AT THE FIRE COMMAND STATION.

## 3. RESPONSE TO TROUBLE CONDITIONS:

AND PROGRAM ADDRESS.

FOLLOWING SHALL OCCUR:

- A. LIGHT THE COMMON TROUBLE INDICATOR AT THE FIRE COMMAND STATION.
- B. DISPLAY, AT THE FIRE COMMAND STATION, THE TEXT MESSAGE ASSOCIATED WITH THE ACTIVATED DEVICE, ALONG WITH ITS STATUS AND PROGRAM ADDRESS.
- C. SOUND A PULSING AUDIBLE SIGNAL AT THE FIRE COMMAND STATION.
- D. ACTIVATE A CONTACT TO SIGNAL A TROUBLE CONDITION TO THE CENTRAL STATION TRANSMITTER. ALSO LIGHT AN INDICATOR ON THE FIRE COMMAND STATION SIGNALING AN ALARM CONDITION HAS BEEN REPORTED TO THE CENTRAL STATION TRANSMITTER.
- E. INDICATE THE TIME OF THE TROUBLE CONDITION ACTIVATION AT THE FIRE COMMAND STATION.

#### 4. MANUAL OPERATIONS:

A. IN ADDITION TO SYSTEM RESET, ALARM SILENCE, STROBE LIGHT CONTROL, AND FAN RESTART, ALL FUNCTIONS SHALL BE MANUALLY OPERABLE FROM THE FIRE COMMAND STATION.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
<b>E</b> Þ	STROBE LIGHT DEVICE, WALL MOUNTED (80" AFF)	F	FIRE ALARM MANUAL PULL STATION, WALL MOUNTED (48" AFF)
E◀	WALL MOUNTED HORN/STROBE COMBINATION DEVICE (80" AFF)	TS	TAMPER SWITCH
S	CEILING MOUNTED AREA SMOKE DETECTOR	WF	WATER FLOW SWITCH
(S) <sub>EL</sub>	CEILING MOUNTED ELEVATOR LOBBY SMOKE DETECTOR	FAR	FAN SHUTDOWN RELAY
D	DUCT MOUNTED SMOKE DETECTOR	R	FIRE ALARM RELAY
H	CEILING MOUNTED HEAT DETECTOR	CR	CARD READER (BY OTHERS)
<u>(co)</u>	CARBON MONOXIDE DETECTOR	DH	MAGNETIC DOOR HOLDER DEVICE
FSD	FIRE SMOKE DAMPER, REFER TO MECH. PLANS FOR FURTHER INFORMATION.	R	SIGNAL TRANSFORMER (PRI: 120V, SEC: 24V)
FACP	FIRE ALARM CONTROL PANEL	CST	CENTRAL STATION TRANSMITTER
DGP	DATA GATHERING PANEL		SOLID THICK LINE INDICATES NEW DEVICE OR WIRING
RAP	REMOTE ANNUNCIATOR PANEL		DOTTED LINE INDICATES EXISTING DEVICE OR WIRING
ММ	MONITOR MODULE		

FIRE ALARM SYMBOL LIST

#### FIRE ALARM RISER NOTES:

- 1. ALL COMPONENTS REQUIRED TO MAKE SYSTEM WORKABLE SHALL BE INCLUDED IN BID PRICE. VERIFY AVAILABILITY OF INPUT/OUTPUT POINTS AT EACH DGP PANEL & ROUTE WIRING RESPECTIVELY.
- 2. EACH FA RELAY SHALL HAVE MINIMUM OF THREE SETS OF 2 CONTACT 10A RATED @ 120V (TYPICAL).
- 3. ALL STROBES AND HORN/STROBES SHALL BE FLUSH WALL MOUNTED FINISH BY ARCHITECT, APPROVED FOR USE IN NYC.
- 4. ALL DUCT SMOKE DETECTORS INSTALLED IN HUNG CEILING AREA AND IN OUT OF SIGHT AREA SHALL HAVE REMOTELY INSTALLED STATUS INDICATOR LAMPS. COORDINATE EXACT LOCATION WITH ARCHITECT AND GENERAL CONTRACTOR.
- 5. FOR WALL MOUNTED F.A. DEVICES PROVIDE 3/4" CONDUIT TERMINATED IN NEAREST ACCESSIBLE CEILING.
- 6. COORDINATE WIRING DIAGRAM WITH FIRE ALARM VENDOR SHOP DRAWINGS, FOR STROBES MAXIMUM CURRENT PER ZONE SHALL NOT EXCEED 1.5A. ZONES FOR STROBES & STROBE/HORNS AS PER FIRE ALARM VENDOR SHOP DRAWINGS (TYPICAL).
- 7. ALL FIRE ALARM WIRING SHALL BE TEFLON "RED". WIRING INSTALLED IN NON ACCESSIBLE CEILING, EXPOSED BELOW 8' OR IN MECHANICAL ROOM AREA (NO CEILING) ROUTE IN CONDUIT.
- 8. THIS RISER DIAGRAM IS A SCHEMATIC REPRESENTATION OF THE FIRE ALARM SYSTEM. REFER TO FLOOR PLANS FOR EXACT QUANTITY OF DEVICES.
- 9. EACH FIRE ALARM INDICATING DEVICES CIRCUIT TO HAVE A MAXIMUM OF 14 DEVICES PER CIRCUIT. CONTRACTOR TO SUPPLY REQUIRING NUMBER OF INDICATING CIRCUIT TO PROVIDE REDUNDANT CIRCUITING (A,B) SCHEME.
- 10. PARTIAL RISER IS DIAGRAMMATIC AND FOR INTENT ONLY. PRIOR TO BID SUBMISSION COORDINATE WITH BUILDING FIRE ALARM MAINTENANCE CONTRACTOR FOR THE FOLLOWING:
- a. SCOPE OF WORK TO BE PERFORMED BY THE FIRE ALARM MAINTENANCE CONTRACTOR AND THE ELECTRICAL CONTRACTOR.
- b. EXACT LOCATION OF EXISTING FACP, TERMINAL BOXES ETC.
- c. SCOPE OF WORK TO BE PERFORMED WITHIN BASE BUILDING SYSTEM AS REQUIRED TO ACCOMMODATE ADDED DEVICES. NEW EXPANSION BOARDS, TERMINAL BOXES, STROBE POWER SUPPLY, REPROGRAMMING, ETC. THE FIRE ALARM VENDOR'S COST OF THE UPGRADING SHALL BE INCLUDED IN BID PROPOSAL.



# 1 PARTIAL 3RD FLOOR FIRE ALARM PLAN SCALE: 1/8" = 1'-0"

## FIRE ALARM NOTES

- 1. THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ANY AND ALL EXISTING FIRE ALARM DEVICES AS REQUIRED. THE CONTRACTOR SHALL SURVEY ANY AND ALL EXISTING FIRE ALARM SYSTEM FACILITIES PRIOR TO SUBMITTING HIS BID. COORDINATE THE REMOVAL AND/OR RELOCATION OF EXISTING FIRE ALARM FACILITIES WITH THE OWNER'S CONSTRUCTION REPRESENTATIVE AS REQUIRED.
- 2. THE DESIGN DEPICTED ON THIS DRAWING IS CONCEPTUAL, AND IS PROVIDED TO ILLUSTRATE A GENERAL BASIS—OF—DESIGN INTENT FOR THE PURPOSE OF RECEIVING A DESIGN/BUILD FIRE ALARM SYSTEM PROPOSAL FROM THE BIDDING CONTRACTOR FOR THE EXPANSION OF THE EXISTING FIRE ALARM AND CONTROL SYSTEM. ALL NEW FACILITIES SHALL BE COMPATIBLE WITH EXISTING FACILITIES.
- 3. ALL NEW FIRE ALARM DEVICES (INITIATING DEVICES, VISUAL NOTIFICATION APPLIANCES, AUDIBLE NOTIFICATION APPLIANCES AND/OR AUDIBLE/VISUAL NOTIFICATION APPLIANCES) SHALL BE SUPPLIED, INSTALLED, WIRED, AND INTEGRATED WITH THE EXISTING BUILDING FIRE ALARM AND CONTROL SYSTEM PER MANUFACTURER INSTRUCTIONS. THE CONTRACTOR SHALL VISIT THE SITE AND DEVELOP A FINAL, COORDINATED BILL OF MATERIAL AS REQUIRED TO COMPLETE ALL WORK ASSOCIATED WITH UTILIZING AND REWIRING THE EXISTING EXISTING FIRE ALARM SYSTEM AS INTENDED.
- 4. THE CONTRACTOR SHALL USE THE EXISTING FIRE ALARM CONTROL PANEL (LOCATION: XXXXXX) AND THE EXISTING FIRE ALARM DEVICE CIRCUIT LOCATED ON THE FLOOR AS REQUIRED. THE CONTRACTOR SHALL ENGAGE A REPRESENTATIVE OF THE EXISTING FIRE ALARM EQUIPMENT AND COORDINATE AND PROVIDE ALL PROVISIONS AS REQUIRED TO SUPPLY AND INSTALL A FULLY—FUNCTIONAL FIRE ALARM SYSTEM AS INTENDED. THE CONTRACTOR SHALL BASE HIS BID ACCORDINGLY.
- 5. THE CONTRACTOR SHALL PLACE ALL PROPOSED EQUIPMENT AND FACILITIES IN A FULLY FUNCTIONAL STATE IN ACCORDANCE WITH THE NYC 2011 ELECTRICAL CODE. AND IN ACCORDANCE WITH EQUIPMENT OFM INSTRUCTIONS. THE

- CONTRACTOR SHALL RECEIVE ALL APPROVALS AND INSPECTIONS FROM THE LOCAL AUTHORITY OF JURISDICTION.
- 6. THE CONTRACTOR SHALL SUPPLY AND INSTALL THE FIRE ALARM SYSTEM IN ORDER TO ASSURE PROPER FIRE ALARM COVERAGE AND OPERATION PER NYC 2011 ELECTRICAL CODE REGARDLESS OF WHAT IS SHOWN ON THE CONTRACT DRAWINGS. THE CONTRACTOR SHALL ADJUST ANY AND ALL DESIGN PARAMETERS TO MEET THE PROPER APPLICATION OF THE PROPOSED EQUIPMENT. THE CONTRACTOR SHALL BASE HIS BID ACCORDINGLY.
- 7. PRIOR TO THE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL COORDINATE FINAL LOCATIONS OF ALL FIRE ALARM EQUIPMENT WITH ALL ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
- 8. ALL NEW FIRE ALARM NOTIFICATION APPLIANCES SHALL BE WALL MOUNTED WHERE POSSIBLE. ALL DEVICE ROUGH—IN BOXES SHALL BE FLUSH—MOUNTED IN ALL FINISHED SPACES UNLESS OTHERWISE REQUIRED BY THE EQUIPMENT MANUFACTURER.
- 9. THE CONTRACTOR SHALL EXPAND THE EXISTING FIRE ALARM SYSTEM AS REQUIRED. THIS SHALL INCLUDE, HOWEVER NOT NECESSARILY BE LIMITED TO THE FOLLOWING:
- a. SURVEY OF EXISTING FACILITIES/DEVICES. LOCATE THE EXISTING MAIN FIRE ALARM CONTROL PANEL. CONFIRMATION OF COVERAGE AND ACCESSORY EQUIPMENT AS REQUIRED FOR A COMPLETE, OPERATIONAL AND COMPLIANT SYSTEM.
- b. FURNISH AND INSTALL ALL SYSTEM WIRING DEVICES AND MOUNTING ASSEMBLIES SUCH AS INITIATING MODULES, POWER SUPPLIES, DEVICE CABLE, RACEWAY, AND ROUGH—IN BOXES AS REQUIRED TO PLACE THE SYSTEM IN PROPER WORKING ORDER WITH THE NEW DEVICES SHOWN, PER THE NYC 2011 ELECTRICAL CODE AND MANUFACTURER'S INSTRUCTIONS.

AT MINIMUM, PROVIDE ONE POWER SUPPLY UNIT WITH BATTERY BACKUP FOR EVERY 30 DEVICES ADDED TO THE EXISTING BUILDING FIRE ALARM CONTROL PANEL, OR AS OTHERWISE RECOMMENDED BY THE FIRE ALARM MAINTENANCE CONTRACTOR (COORDINATE WITH ALL SPACE RENOVATIONS). ALL POWER SUPPLY UNITS SHALL BE INSTALLED IN EXISTING ELECTRICAL EQUIPMENT SPACES. ALL NOTIFICATION APPLIANCE CIRCUITS SHALL BE SYNCHRONIZED TO COMPLY WITH NYC 2011 ELECTRICAL CODE. ALL CABLE/CABLE ASSEMBLY PROVISIONS SHALL BE LISTED FOR PLENUM USE.

- c. PROVIDE ALL DEVICE AND POWER TERMINATION WORK.
- d. PROVIDE ALL POWER WIRING, FACILITIES AND APPURTENANCES PER THE THE NYC 2011 ELECTRICAL CODE.
- e. ENGAGE A REPRESENTATIVE OF THE EXISTING BUILDING FIRE ALARM SYSTEM TO STARTUP AND VALIDATE THE ENTIRE EXPANDED SYSTEM. REFER TO FIRE ALARM RISER DIAGRAM (DWG. FA-001.00) FOR FIRE ALARM CONTACT INFORMATION.
- f. PROVIDE ALL TESTING AND COMMISSIONING REQUIRED FOR RECEIVING FINAL APPROVAL(S) BY THE LOCAL AUTHORITY OF JURISDICTION.
- g. PROVIDE A FIRE ALARM SYSTEM SUBMITTAL FOR THE PURPOSE OF RECEIVING A CONSTRUCTION PERMIT, AND FOR THE PURPOSE OF COORDINATION WITH THE LOCAL AUTHORITY OF JURISDICTION. THIS SHALL INCLUDE, HOWEVER NOT NECESSARILY BE LIMITED TO THE FOLLOWING: A COMPLETE AND DETAILED BILL OF MATERIALS, A COORDINATED EQUIPMENT LOCATION PLAN, STORAGE BATTERY CALCULATIONS, VOLTAGE DROP CALCULATIONS, AND A COORDINATED DEVICE INTERCONNECTION DIAGRAM.

### DRAWING NOTES:

- 1. COORDINATE FINAL MEANS AND METHODS, AND SCOPE OF WORK WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND PLUMBING DRAWINGS. BASE BID ACCORDINGLY.
- 2. CONTRACTOR SHALL SUPPLY AND INSTALL ALL ELECTRICAL ROUGH—IN EQUIPMENT AND APPURTENANCES PER THE NYC 2011 ELECTRICAL CODE AS REQUIRED.
- 3. COORDINATE ALL WORK WITH ALL INVOLVED TRADE CONTRACTORS, EQUIPMENT VENDORS, UTILITIES AND THE OWNER AS REQUIRED. CONTRACTOR SHALL BASE HIS BID ACCORDINGLY.
- 4. FINAL CONDUIT/CABLE ROUTING SHALL BE DETERMINED IN-FIELD, AND PRIOR TO THE COMMENCEMENT OF WORK, COORDINATED WITH OTHER TRADE CONTRACTORS AND THE OWNER.
- 5. ALL NEW AND EXISTING FIRE ALARM APPLIANCES SHALL BE WIRED TO THE EXISTING FIRE ALARM SYSTEM, PROGRAMMED AND COMMISSIONED AS REQUIRED.
- 6. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
- 7. REFER TO DWG. FA-001.00 FOR FIRE ALARM NOTES, SYMBOL LIST, ABBREVIATIONS AND FIRE ALARM RISER DIAGRAM.
- 8. ALL FIRE ALARM DEVICES ARE NEW, U.O.N.