





**GENERAL NOTES:**

- INSTALL ALL MODULES WITHIN SMOKE CONTROL INTERFACE CABINET AS INDICATED. INSTALL CABINET WITHIN 30' OF ASSOCIATED SMOKE CONTROL FAN CONTROLLER.
- WIRING BETWEEN MODULES AND TERMINALS NOT SHOWN FOR CLARITY.
- THIS DETAIL IS APPLICABLE TO ALL SMOKE CONTROL FANS.
- WIRING FROM FIRE ALARM MODULES TO INTERFACE EQUIPMENT BY DIVISION 28.
- INTERPOSING RELAYS AND ADDRESSABLE RELAYS SHALL BE CAPABLE OF OPERATING WITHIN THE VOLTAGE AND CURRENT LIMITATIONS OF THE FIRE ALARM SYSTEM CONTROL UNIT.
- INTERPOSING RELAYS SHALL BE LISTED FOR USE IN SMOKE CONTROL APPLICATIONS.
- FACTORY WIRING SHALL BE BY IPC CERTIFIED WIRING TECHNICIAN IN A CONTROLLED ISO 9001 REGISTERED ENVIRONMENT.

**KEY NOTES:**

- EQUIPMENT:**
- MONITOR MODULE (MM) SUPERVISION OF FAN POWER VOLTAGE RELAY
  - MM SUPERVISION OF LOCAL FAN MOTOR DISCONNECT POSITION
  - MM SUPERVISION OF DIFFERENTIAL PRESSURE SWITCH / CURRENT TRANSFORMER (CT) SENSOR
  - MM SUPERVISION OF AUTOMATIC CONTROL DAMPER (ACD) POSITION (OPEN)
  - MM SUPERVISION OF ACD POSITION (CLOSED)
  - RELAY MODULE (RM) START FAN
  - RM STOP FAN
  - RM OPEN/CLOSE AUTOMATIC CONTROL DAMPER
  - INTERPOSING RELAY (IR) FAN VOLTAGE MONITORING MR SERIES RELAY
  - IR AUTOMATIC CONTROL DAMPER CONTROL MR SERIES RELAY

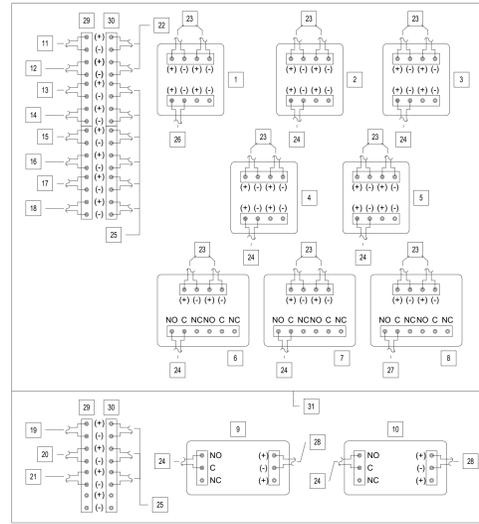
**FIELD WIRING:**

- SIGNALING LINE CIRCUIT (SLC) IN
- SLC OUT
- INITIATING DEVICE CIRCUIT (IDC) WIRING TO LOCAL DISCONNECT SWITCH FAN MOTOR
- IDC WIRING TO DP SWITCH / CT SENSOR
- IDC WIRING TO ACD "OPEN" END SWITCH
- IDC WIRING TO "CLOSED" END SWITCH
- RELAY WIRING TO FAN VARIABLE FREQUENCY DRIVE (VFD) START/STOP CONTACTS
- RELAY WIRING TO FAN VFD SAFETY INTERLOCK CONTACTS
- SUPERVISION WIRING TO FAN POWER CIRCUIT. MAKE CONNECTION DOWNSTREAM OF LOCAL DISCONNECT ON FAN VFD.
- 120VAC DAMPER POWER WIRING IN
- 120VAC DAMPER POWER WIRING OUT

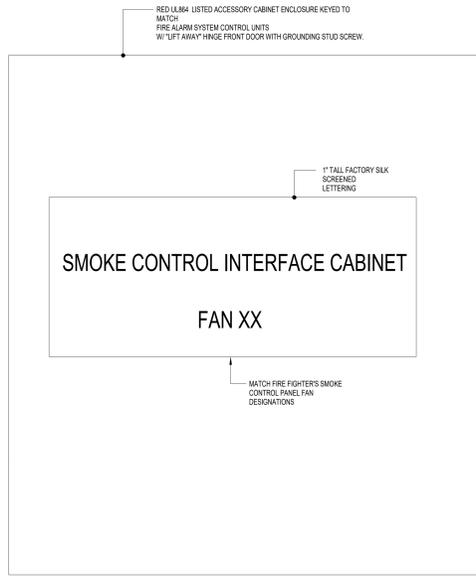
**FACTORY WIRING:**

- SLC TO/FROM ADDRESSABLE MODULES
- SLC IN/OUT OF ADDRESSABLE MODULE
- IDC / RELAY / VOLTAGE WIRING TO FACTORY TERMINAL CONNECTION SWITCH FAN MOTOR
- IDC / RELAY / VOLTAGE WIRING FROM ADDRESSABLE MODULES / MR SERIES RELAYS
- IDC WIRING TO FAN POWER VOLTAGE RELAY
- RELAY WIRING TO DAMPER CONTROL RELAY
- IDC / RELAY WIRING FROM ADDRESSABLE MODULES
- PRE-LABELLED FIELD TERMINAL CONNECTIONS
- FACTORY TERMINAL CONNECTIONS
- HIGH/LOW VOLTAGE CLEAR LED/AN DIVIDER

**CABINET ENCLOSURE:**

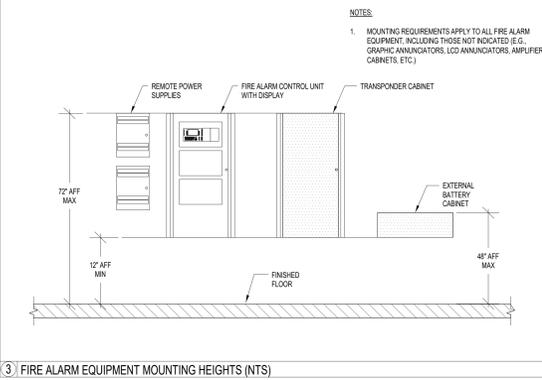


**SMOKE CONTROL CABINET - INTERIOR VIEW**

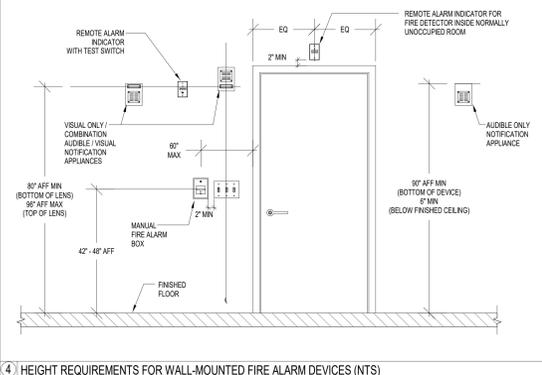


**SMOKE CONTROL CABINET - FRONT VIEW**

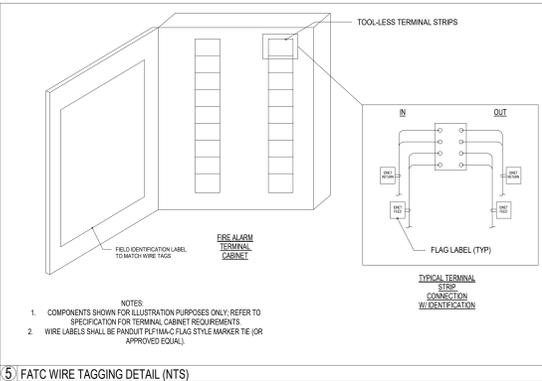
**6) SMOKE CONTROL INTERFACE CABINET (NTS)**



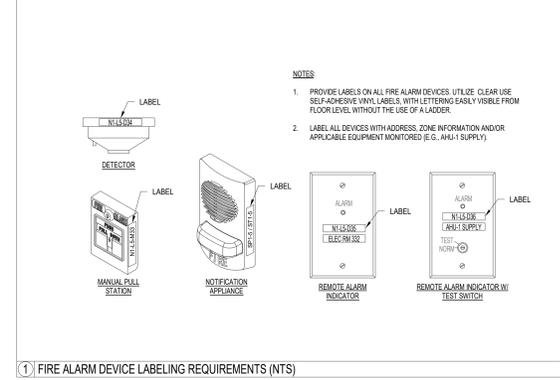
**3) FIRE ALARM EQUIPMENT MOUNTING HEIGHTS (NTS)**



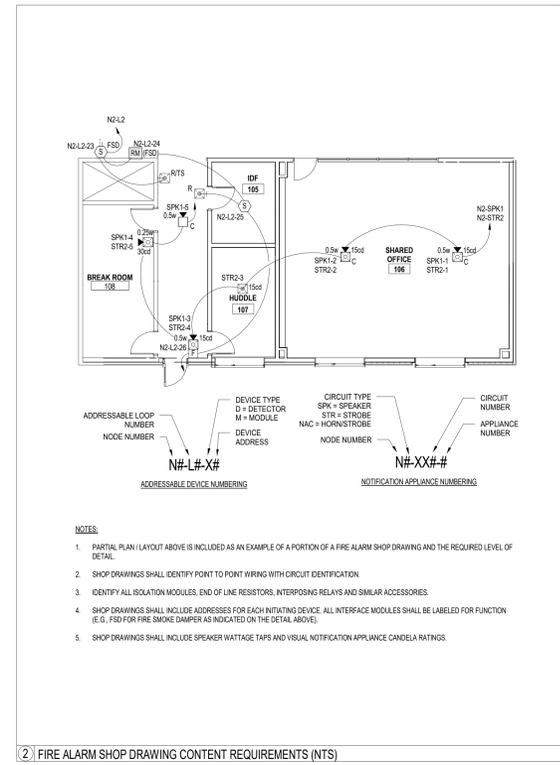
**4) HEIGHT REQUIREMENTS FOR WALL-MOUNTED FIRE ALARM DEVICES (NTS)**



**5) FATC WIRE TAGGING DETAIL (NTS)**



**1) FIRE ALARM DEVICE LABELING REQUIREMENTS (NTS)**



**2) FIRE ALARM SHOP DRAWING CONTENT REQUIREMENTS (NTS)**

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checked by: Checker  
job no. 2052  
date 11/18/2022

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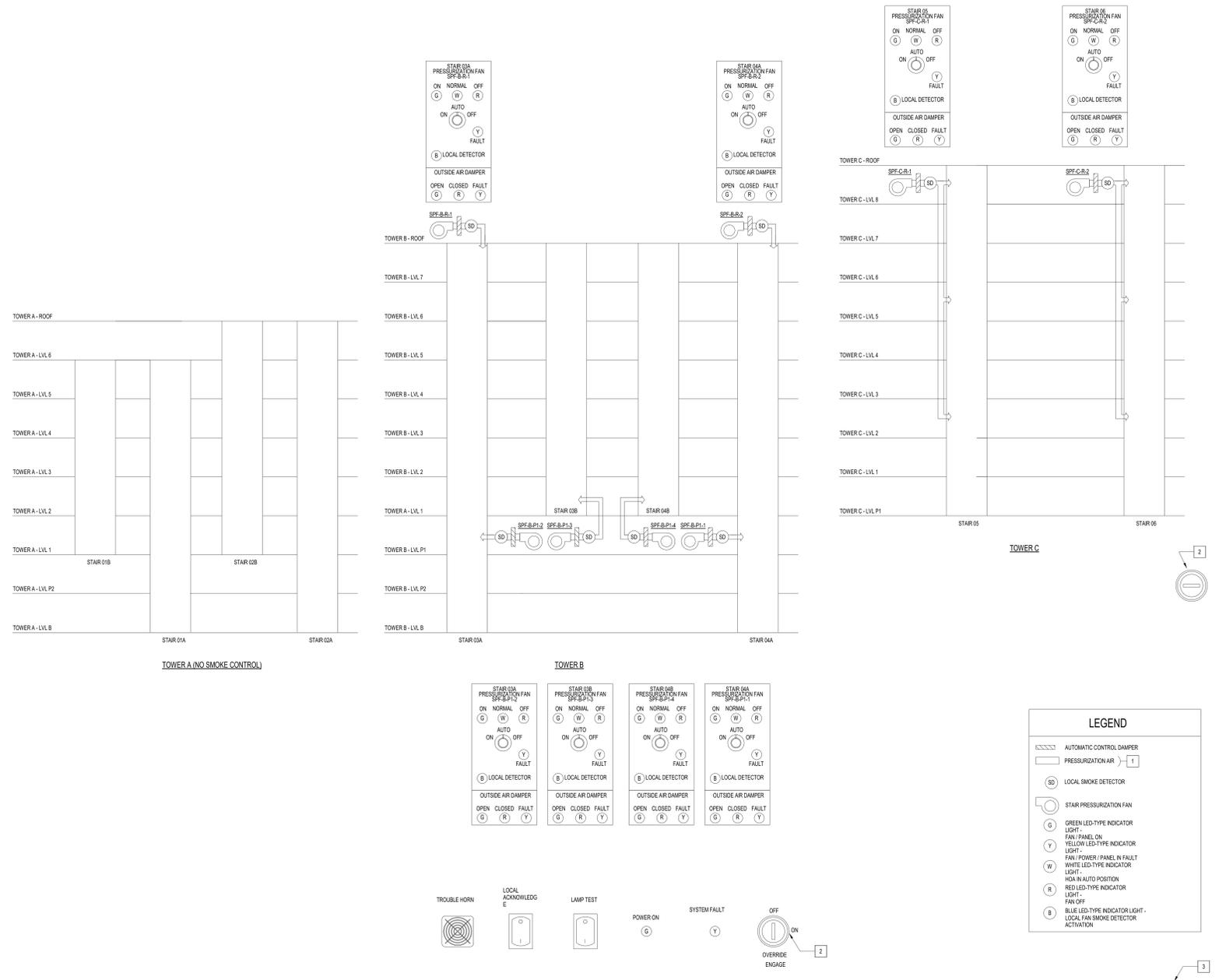
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FIRE ALARM DETAILS  
**FA7.01**



# FIREFIGHTER'S SMOKE CONTROL PANEL

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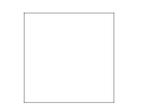
- KEY NOTES**
- 1 PRESSURIZATION AIR - SHADED BLUE
  - 2 KEYED TO MATCH LOCATE FIRE DEPARTMENT REQUIREMENTS
  - 3 NEMA 1 ENCLOSURE WITH HINGED FRONT PANEL

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**FIRE FIGHTER'S SMOKE CONTROL PANEL**

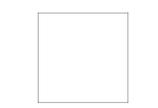
**FA9.01**

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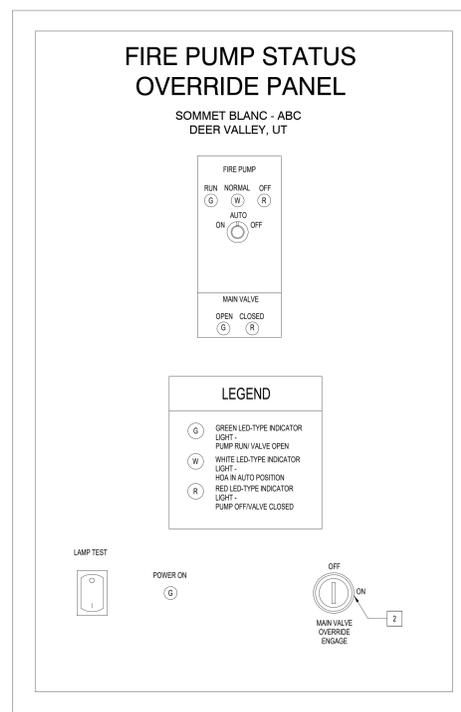
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**FIRE PUMP STATUS/OVERRIDE PANEL**

**FA9.02**



NOTES:  
1. WHITE LED SHALL ILLUMINATE WHEN HOA IS IN AUTO POSITION.  
2. GREEN PUMP LED SHALL ILLUMINATE UPON FIRE PUMP RUN SIGNAL FROM CONTROLLER. RED LED SHALL ILLUMINATE WHEN PUMP RUN SIGNAL CLEARS.  
3. VALVE GREEN/RED LED SHALL ILLUMINATE BASED UPON VALVE POSITION SUPERVISION BY FIRE ALARM SYSTEM.