

1 FIRE ALARM SYSTEM ELEVATOR INTERFACE DIAGRAM  
NTS

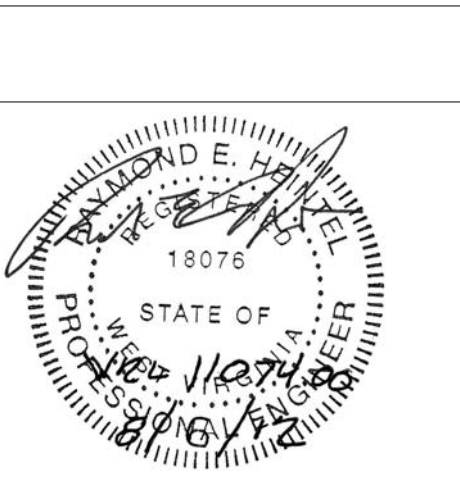
Key Notes ⑨ INDICATES KEY NOTE ON THIS DIAGRAM.

1. PROVIDE SMOKE DETECTOR FOR PHASE 1 ELEVATOR RECALL. PROVIDE CONNECTION TO FIRE ALARM CONTROL PANEL AND TO SUPERVISED CONTROL CIRCUIT #2 (SCC-2). ELEVATOR CONTROLLER SHALL SEND ELEVATOR TO ALTERNATE RECALL LEVEL UPON ACTIVATION OF SMOKE DETECTOR.
2. PROVIDE SMOKE DETECTOR FOR PHASE 1 ELEVATOR RECALL. PROVIDE CONNECTION TO FIRE ALARM CONTROL PANEL AND TO SUPERVISED CIRCUIT #2 (SCC-1). ELEVATOR CONTROLLER SHALL SEND ELEVATOR TO DESIGNATED RECALL LEVEL UPON ACTIVATION OF SMOKE DETECTOR.
3. PROVIDE RATE COMPENSATION HEAT DETECTOR RATED AT 135 DEG FARENHEIGHT WITHIN 2 FEET OF EACH SPRINKLER HEAD. ACTIVATION OF DETECTOR SHALL DISCONNECT ELEVATOR MOTOR VIA ELEVATOR DISCONNECT SWITCH SHUNT TRIP AND RELAY, R4.
4. PROVIDE 120VAC, 20A CIRCUIT BREAKER FOR ELEVATOR SHUNT TRIP SOURCE CIRCUIT. PROVIDE CIRCUIT CONNECTION TO EACH ELEVATOR DISCONNECT SHUNT TRIP LOCATED IN EMR ROOM 151.
5. PROVIDE RELAY #5 TO SUPERVISORY CONTROL CIRCUIT #5 (SCC-5). TO MONITOR THE STATUS OF THE ELEVATOR SHUNT TRIP SOURCE CIRCUIT BREAKER. PROVIDE CIRCUIT BACK TO FACP.
6. PROVIDE RELAY #1 TO SUPERVISORY CONTROL CIRCUIT #1 (SCC-1). PROVIDE CIRCUIT BACK TO FACP AND INTERFACE WITH ELEVATOR CONTROLLER. RELAY SHALL SIGNAL ELEVATOR TO ALTERNATE RECALL FLOOR. INSTALL RELAY WITHIN 3' FROM ELEVATOR CONTROLLER.
7. PROVIDE RELAY #2 TO SUPERVISORY CONTROL CIRCUIT #2 (SCC-2). PROVIDE CIRCUIT BACK TO FACP AND INTERFACE WITH ELEVATOR CONTROLLER. RELAY SHALL SIGNAL ELEVATOR TO DESIGNATED RECALL FLOOR. INSTALL RELAY WITHIN 5' FROM ELEVATOR CONTROLLER.
8. PROVIDE RELAY #3 TO SUPERVISORY CONTROL CIRCUIT #3 (SCC-3). PROVIDE CIRCUIT BACK TO FACP AND INTERFACE WITH ELEVATOR CONTROLLER. RELAY SHALL ACTIVATE FIREFIGHTER'S HELMET WARNING FLASHING SIGNAL LIGHT AT ELEVATOR.
9. PROVIDE RELAY #4 TO SUPERVISORY CONTROL CIRCUIT #1 (SCC-4). PROVIDE CIRCUIT BACK TO FACP. RELAY SHALL DISCONNECT POWER FOR ELEVATOR MAINLINE CIRCUIT VIA ELEVATOR DISCONNECT SWITCH SHUNT TRIP.

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Drawing Title

FIRE ALARM DIAGRAMS AND DETAILS

Approved: Project Director

Project Title

RELOCATE DEMENTIA UNIT

Project Number

VA PN 613-207

Building Number

513

Location

VAMC MARTINSBURG

Date

08/06/2012

Checked

GSL

Drawn

DW

Drawing Number

FA-502

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Construction  
and Facilities  
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