Project Scope: Henderson Fire Protection
University of Colorado Boulder

FP1-3
SECOND FLOOR FIRE PROTECTION PLAN

FIRE PROTECTION NOTES:

1. Fire sprinklers are to be installed in accordance with the plans and specifications.

2. UL standard fire protection systems are required.

3. Fire alarm systems are to be installed in accordance with the plans and specifications.

KEY NOTES:

- Fire sprinklers must be installed in all areas specified.
- Fire alarm systems must be installed in all areas specified.
- UL standard fire protection systems are required.

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### FIRE ALARM SYSTEM SEQUENCE OF OPERATIONS

**ACTUATE VISIBLE ALARM SIGNAL**

**ACTUATE AUDIBLE ALARM SIGNAL**

**ACTUATE COMMON VISIBLE SUPERVISORY SIGNAL INDICATOR**

**ACTUATE AUDIBLE SUPERVISORY SIGNAL**

**DISPLAY CHANGE OF STATUS**

**ACTUATE GENERAL ALARM EVACUATION SIGNALS (HORNS/STROBES)** *(NOTE 1 & 6)*

**ACTUATE EXTERIOR BELL/STROBE FOR WATERFLOW** *(NOTE 2 & 6)*

**SHUT DOWN AIR HANDLER FANS**

**RELEASE MAGNETIC DOOR HOLD OPEN DEVICES**

**SEND SIGNAL TO ELEVATOR CONTROLLER TO RECALL ELEV. TO PRIMARY RECALL FLOOR** *(NOTE 3)*

**SEND SIGNAL TO ELEVATOR CONTROLLER TO RECALL ELEV. TO ALTERNATE RECALL FLOOR** *(NOTE 4)*

**SEND SIGNAL TO ELEVATOR CONTROLLER FOR ELEVATOR SHUTDOWN INCLUDING LIGHTING AND RECEPTACLES IN THE ELEVATOR EQUIPMENT ROOM** *(NOTE 5)*

**TRANSMIT FIRE ALARM SIGNAL TO CAMPUS SERVICE DESK**

**TRANSMIT SUPERVISORY SIGNAL CAMPUS SERVICE DESK**

**TRANSMIT WATERFLOW SIGNAL TO CAMPUS SERVICE DESK**

**CLOSE FIRE/SMOKE DAMPERS ON ALL FLOORS**

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### GENERAL ELECTRICAL LEGEND

### FIRE ALARM SYSTEM LEGEND

### GENERAL NOTES & PROCEDURES:

1. HORNS SHALL SOUND UNTIL SILENCED AT THE FACP OR ANNUNCIATOR. STROBES SHALL FLASH CONTINUOUSLY UNTIL THE FACP IS RESET.

2. BELL/STROBE SHALL OPERATE CONTINUOUSLY UNTIL FLOW HAS CEASED.

3. PROVIDED THE SMOKE DETECTOR IN THE ELEV. LOBBY AT THE PRIMARY RECALL FLOOR IS NOT IN ALARM, THE PRIMARY RECALL FLOOR FOR THE ELEVATOR IS FIRST FLOOR.

4. ONLY IF THE SMOKE DETECTOR IN THE ELEV. LOBBY AT THE PRIMARY RECALL FLOOR IS IN ALARM, THE ALTERNATE RECALL FLOOR FOR THE ELEVATOR IS BASEMENT.

5. THE ELEVATOR SHALL NOT SHUT DOWN UNTIL THE ELEVATOR IS AT THE DESIGNATED RECALL FLOOR AND THE DOORS ARE OPEN. (FOR FUTURE ELEVATOR SHUNT TRIP)

6. ANNUNCIATING APPLIANCE TO BE ACTIVATED AT BUILDING ALARM ONLY. THE EXTERIOR BELL SHALL TRACK WATER FLOW (BELL SHALL CEASE OPERATION WHEN WATER FLOW HAS CEASED WITHOUT NEED FOR RESET).

7. **Sprinkler Waterflow**

8. **Sprinkler Tamper Switch**

9. **Duct Smoke Detectors**

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### ELECTRICAL LEGENDS