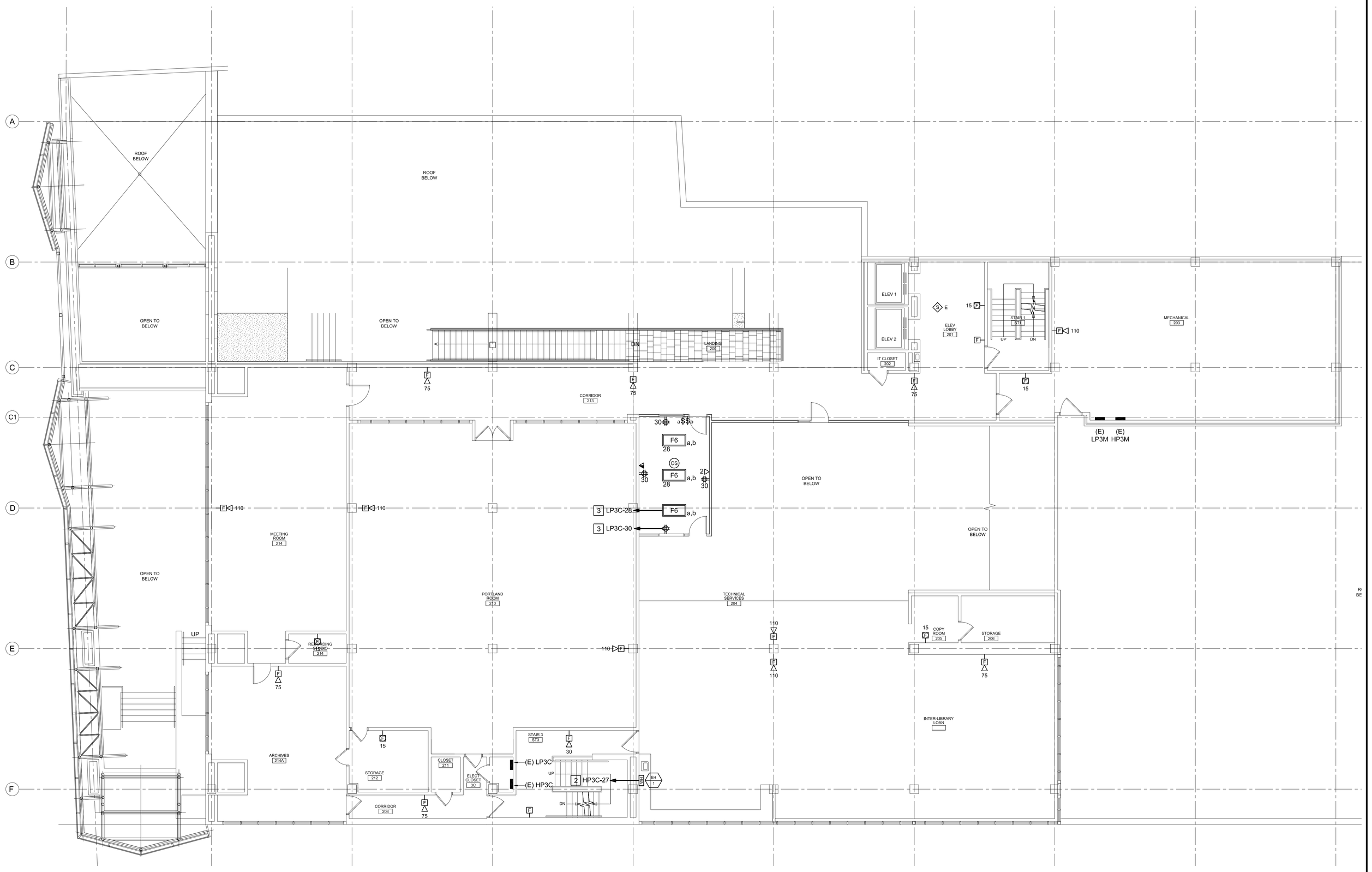

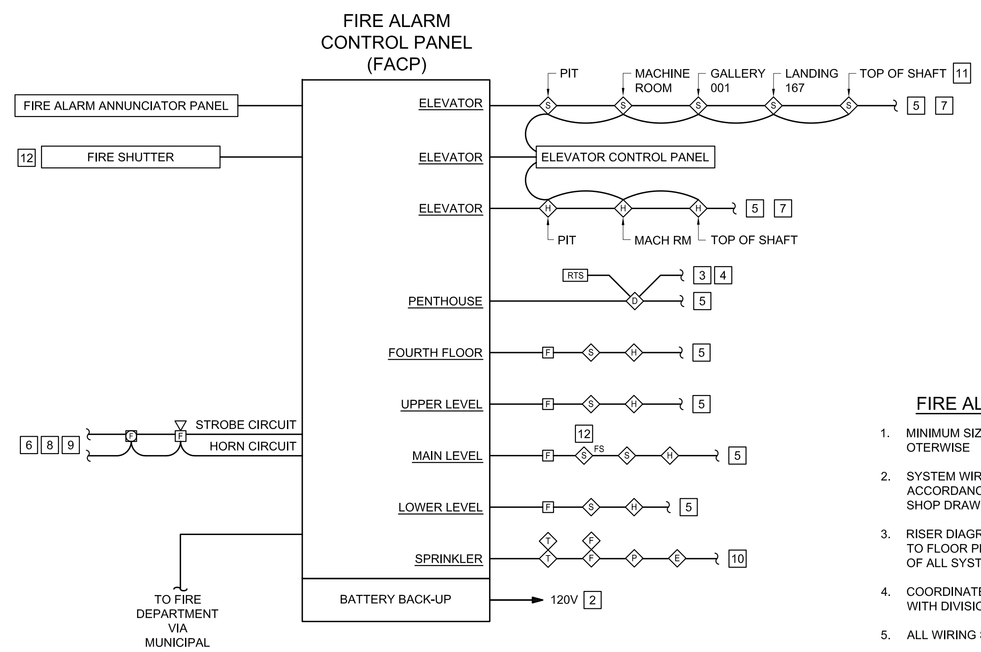

FIRE ALARM GENERAL NOTES

1. MINIMUM SIZE CONDUIT SHALL BE 1/2" UNLESS NOTED OTERWISE
2. SYSTEM WIRING SHALL BE INSTALLED IN CONDUIT AND IN ACCORDANCE WITH EQUIPMENT SUPPLIER'S APPROVED SHOP DRAWINGS AND WIRING DIAGRAMS.
3. RISER DIAGRAM DOES NOT SHOW ENTIRE SYSTEM. REFER TO FLOOR PLANS FOR EXACT QUANTITIES AND LOCATIONS OF ALL SYSTEM DEVICES.
4. COORDINATE LOCATIONS OF DUCT SMOKE DETECTORS WITH DIVISION 15.
5. ALL WIRING SHALL BE CONCEALED.

1 PROVIDE CIRCUITS AS REQUIRED FOR AUDIBLE/VISUAL SIGNALS. ALTERNATELY WIRE AUDIBLE/VISUAL SIGNALS.

2 PROVIDE CIRCUIT BREAKER HANDLE LOCK ON POWER CIRCUIT. HANDLE LOCK SHALL ALLOW THE CIRCUIT BREAKER TO TRIP, BUT PREVENT SWITCHING OF THE CIRCUIT BREAKER TO THE "OFF" POSITION.

3 TO AUXILIARY CONTACTS IN RESPECTIVE AIR-HANDLING UNIT STARTER FOR UNIT SHUTDOWN ON ALARM. LABEL DUCT SMOKE DETECTOR AND CORRESPONDING REMOTE TEST STATION UNIQUELY. SEE MECHANICAL DRAWINGS FOR LOCATIONS OF MECHANICAL EQUIPMENT.

4 SEE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR HVAC CONTROLS.

5 CONNECT TO REMAINING INITIATING DEVICES. SEE FLOOR PLANS.

6 CONNECT TO REMAINING NOTIFICATION DEVICES. SEE FLOOR PLANS PROVIDE NUMBER OF CIRCUITS AS REQUIRED.

7 PROVIDE CONTACTS FOR ALL DETECTORS AND CONNECT TO ELEVATOR CONTROLLER FOR SHUNT TRIP OPERATION OF ELEVATOR AND ELEVATOR RECALL. OPERATION OF SMOKES CAUSES ELEVATOR TO GO TO FLOOR OF EGRESS AND LOCK OUT WITH DOOR OPEN. 135° HEAT DETECTOR OPERATION CAUSES SHUNT TRIP CIRCUIT BREAKER TO DISCONNECT ALL POWER TO THE ELEVATOR. MOUNT ALL DETECTORS WITHIN 2' OF THEIR RESPECTIVE SPRINKLER HEAD.

8 CONNECT TO REMAINING NOTIFICATION DEVICES. PROVIDE NUMBER OF CIRCUITS AS REQUIRED. SEE FLOOR PLANS.

9 STROBES SHALL BE SYNCHRONIZED IN AREAS CONTAINING MULTIPLE UNITS.

10 VERIFY AND WIRE ACTUAL QUANTITY OF SPRINKLER SYSTEMS DEVICES

11 PROVIDE ONLY IF SPRINKLER HEAD IS LOCATED AT TOP OF SHAFT ~ COORDINATE WITH DIVISION 21.

12 PROVIDE A 12 VOLT CONNECTION TO FIRE SHUTTER FOR ACTIVATION UPON FIRE ALARM ACTIVATION.

C1	ELECTRICAL PLAN ~ LEVEL 2
1/8" = 1'-0"	

C7	FIRE ALARM RISER DIAGRAM
NO SCALE	

1 NOT USED.

2 PROVIDE A 1P/20A CB IN EXISTING PANEL "HP3C".

3 PROVIDE A 1P20A CB IN EXISTING PANEL "LP3C".

A8	KEY NOTES

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STATE OF MAINE — CATHERINE A. FAUCHER No. 7575 — REGISTERED PROFESSIONAL ENGINEER

PROJECT
Portland Public Library Renovation
PORTLAND, ME

TITLE
ELECTRICAL PLAN LEVEL 2 & FIRE ALARM DIAGRAM

STATUS:
Issued for Bidding

DATE: 02-13-2009	REVISION /DATE:
SCALE: As Noted	
PROJECT NO. 2008-0030	
DRAWN BY: DLL	

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