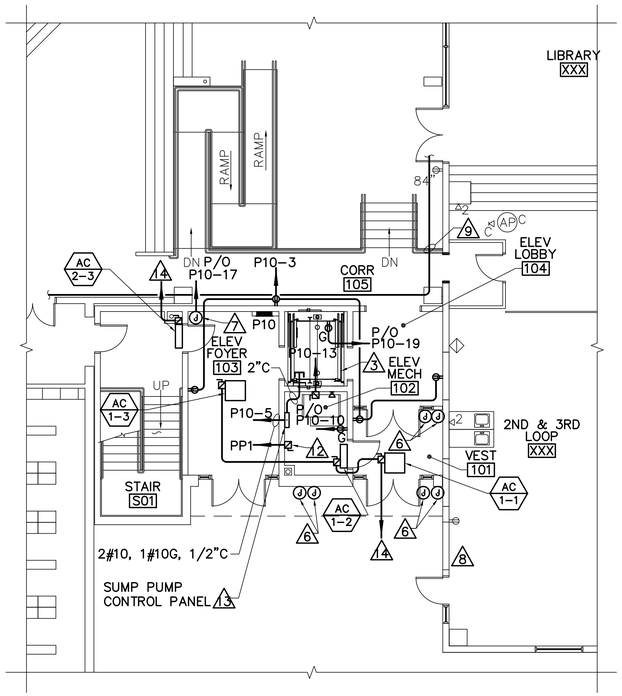
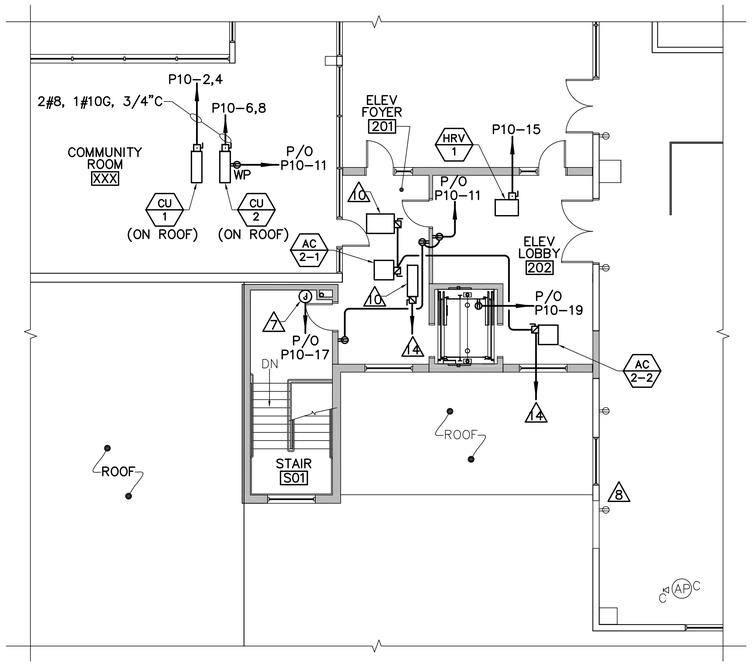


1 PARTIAL FIRST FLOOR ELECTRICAL PLAN
EP101 SCALE: 1/8"=1'-0"

PLAN NORTH



2 PARTIAL SECOND FLOOR ELECTRICAL PLAN
EP101 SCALE: 1/8"=1'-0"

PLAN NORTH

DRAWING NOTES

1. HOLES MAY NOT BE DRILLED IN EXISTING REINFORCED CONCRETE WAFFLE SLABS/BEAMS.
2. COORDINATE LOCATIONS OF DEVICES IN ELEVATOR MACHINE ROOM AND HOISTWAY WITH ELEVATOR INSTALLER. INSTALLATION SHALL COMPLY WITH NEC ARTICLE 620.

DRAWING KEYNOTES

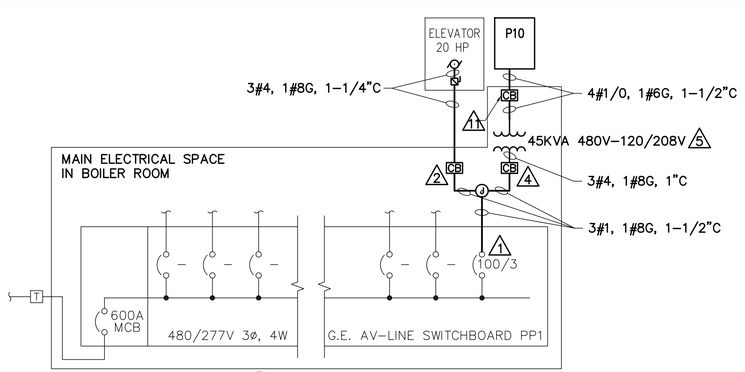
1. CONNECT TO EXISTING 100A SPARE CIRCUIT BREAKER.
2. PROVIDE A 60A, 480V, 3P, 14,000 AIC CIRCUIT BREAKER. FIELD VERIFY AIC RATINGS.
3. PROVIDE ANALOG TELEPHONE CONNECTION FOR ELEVATOR FROM ELEVATOR MACHINE ROOM TO BOILER ROOM.
4. PROVIDE A 70A, 480V, 3P, 14,000 AIC CIRCUIT BREAKER. FIELD VERIFY AIC RATINGS.
5. TRANSFORMER SHALL BE WALL MOUNTED ABOVE PANELBOARD PP2 AND TELEPHONE BACKBOARD IN MAIN ELECTRICAL AREA OF BOILER ROOM.
6. PROVIDE RECESSED JUNCTION BOX AND CONCEALED 1" CONDUIT TO ABOVE CEILING.
7. 120V POWER FOR MANGETIC DOOR HOLDERS. FIELD COORDINATE FINAL LOCATION (FLOOR OR WALL MOUNT).
8. EXTEND AND RECONNECT CIRCUIT TO UNIT VENTILATOR. ASSUME 30' OF 2#12, 1#12G, 1/2"C. FIELD COORDINATE FINAL LOCATION.
9. REINSTALL SALVAGED COMMUNICATIONS CABLING.
10. VRF SYSTEM BRANCH CONTROLLER LOCATED ABOVE CEILING. REFER TO M101 FOR LOCATION.
11. PROVIDE A 125A, 208V, 3P, 10,000 AIC CIRCUIT BREAKER IN BOILER ROOM.
12. ELEVATOR DISCONNECT SWITCH. REFER TO ONE-LINE DIAGRAM THIS SHEET.
13. COORDINATE SUMP PUMP POWER AND CONTROL WIRING WITH PUMP INSTALLER.
14. AC UNITS AND BRANCH CONTROLLERS ARE POWERED FROM OUTDOOR CU UNITS. COORDINATE WITH MECHANICAL TRADE.

PANELBOARD SCHEDULE P10

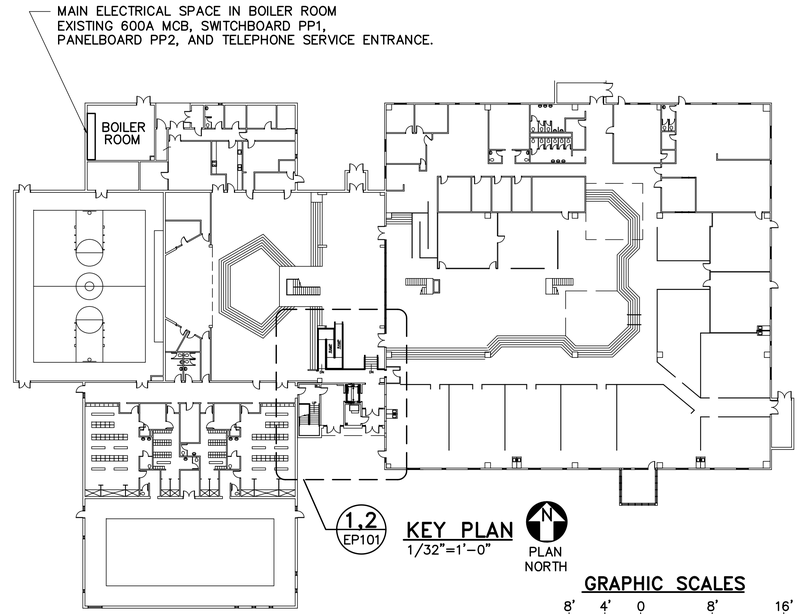
CKT NO	AMPS PER PHASE A	AMPS PER PHASE B	AMPS PER PHASE C	DESCRIPTION	LOAD TYPE	CKT BKR TRIP	CKT BKR POLE	CKT NO	CKT BKR TRIP	CKT BKR POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE A	AMPS PER PHASE B	AMPS PER PHASE C	CKT NO
1	2.8			LTS - INTERIOR 101-105, 201, 202, STAIR S01	L	20	1	2	40	2	M	CU-1, AC 1-1,2,3	37			2
3		9		REC - RM 101-105, S01	-	20	1	4						37		4
5			12	SUMP PUMP AND CONTROL PANEL 1 HP	M	30	1	6	40	2	M	CU-2, AC 2-1,2,3			37	6
7	1.2			LTS - EXTERIOR	L	20	1	8					37			8
9		2		NAC POWER EXTENDER	-	20	1	10	20	1	L/R	ELEVATOR MACHINE RM LIGHTS AND REC		2		10
11			6	REC - RM 201, 202, S01, ROOF	R	20	1	12	20	1	-	SPARE			·	12
13	2			ELEVATOR CAB LIGHTS	L	20	1	14	20	1	-	SPARE	·			14
15		5.5		HRV-1 170W	M	15	1	16	20	1	-	SPARE		·		16
17			2	MAGNETIC DOOR HOLDER	-	20	1	18							·	18
19	3			ELEVATOR PIT LIGHT AND REC	L/R	20	1	20					·			20
21		·		SPARE	-	20	1	24						·		24
	83	56	57	TOTAL/PHASE												

VOLTS: 120/208, 3 PHASE, 4 WIRE
MCB: ☐ MCB AMPS: .
MLO: ☒ BUS AMPS: 125
FAULT AMPS: 10,000

DESIGNATION: P10
LOCATION: RM 103
MOUNTING: RECESSED



3 ONE-LINE DIAGRAM
EP101 NOT TO SCALE



KEY PLAN
1/32"=1'-0"

PLAN NORTH

GRAPHIC SCALES

1/8"=1'-0" 8' 4' 0 8' 16'

1/32"=1'-0" 32' 16' 0 32' 64'

CHECK GRAPHIC SCALES BEFORE USING

29 Apr, 2016 - 3:49pm
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STATE OF MAINE
DALE C. LINCOLN, II
No. 10443
LICENSED PROFESSIONAL ENGINEER
9/29/16

DESIGNED BY: MHL
DRAWN BY: RSW
CHECKED BY: DCL
PROJECT: 21602.06

REICHE ELEMENTARY SCHOOL
PORTLAND SCHOOL DEPARTMENT
353 Cumberland Avenue
Portland, ME 04102

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ELEVATOR ADDITION
166 Brackett Street
Portland, ME 04102

FIRST AND SECOND FLOOR PARTIAL ELECTRICAL COMMUNICATIONS PLANS AND SCHEDULE

SCALE: AS NOTED

DATE: 04-29-2016

DWG.: EP101

SHEET: 39 OF 40