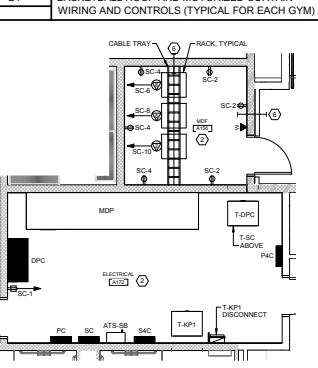
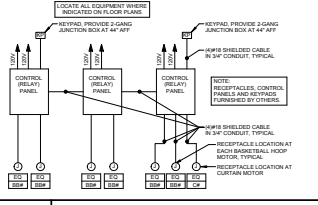
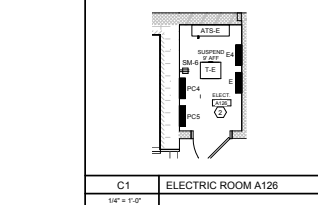


- E1 KEY PLAN**
- PROVIDE JUNCTION BOX AND CIRCUIT FOR MECHANICAL CONTROL. PROVIDE ABOVE CEILING EXCEPT IN AREAS WITHOUT CEILINGS PROVIDE AT UNDERSIDE OF DECK, UNO.
 - 3/4" x 48 FBE RETARDANT PLYWOOD BACKBOARD, PAINT BOTH SIDES WITH 2 COATS OF BLACK SATIN LATEX PAINT.
 - PROVIDE RECEPTACLE ABOVE CEILING FOR SOUND ENHANCEMENT SYSTEM.
 - CONTROL PANELS FOR GYM A130 BASKETBALL HOOPS AND CURTAIN - REFER TO DETAIL B1EP101a.
 - PROVIDE CONDUIT SLEEVES. REFER TO DETAIL B1EP101 FOR QUANTITY AND SIZES OF SLEEVES.
 - PROVIDE EMPTY SINGLE-GANG BOX 44" AFF WITH 1/2" CONDUIT WITH PULLSTRING FOR SHADE CONTROLS. PROVIDE CONDUIT FROM J-BOX TO SHADE MOTORS. CONTROLS AND CONTROL WIRING BY OTHERS.
 - PROVIDE EMPTY SINGLE-GANG BOX 44" AFF WITH 1/2" CONDUIT WITH PULLSTRING FOR PROJECTION SCREEN CONTROLS. PROVIDE CONDUIT FROM J-BOX TO PROJECTION SCREEN MOTORS. CONTROLS AND CONTROL WIRING BY OTHERS.
 - VERIFY AND WIRE ACTUAL QUANTITY OF DEVICES.
 - MOUNT 15" AFF TO TOP.
 - WIRE DOWNSTREAM OF GFI RECEPTACLE ON CIRCUIT.
- D1 KEY NOTES**



A6 LEVEL 1 - PART A - POWER AND SYSTEMS PLAN
1/4" = 1'-0"

A1 ELECTRICAL AND MDF ROOMS
1/4" = 1'-0"

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JOB NO. 15018

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TITLE: LEVEL 1 - PART A POWER PLAN

SHEET **EP101a**

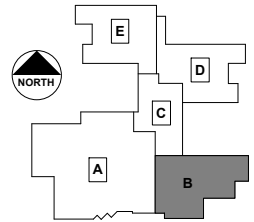
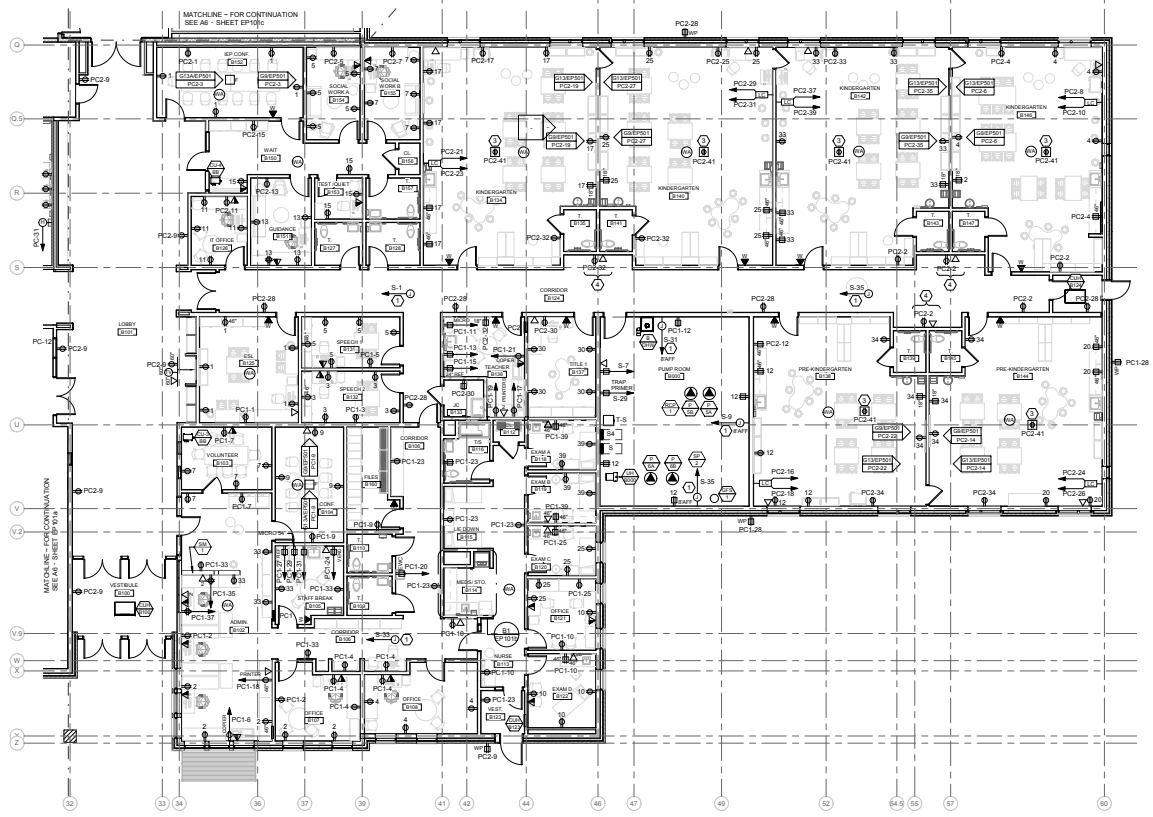
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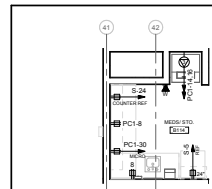
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E1 KEY PLAN

- 1 PROVIDE JUNCTION BOX AND CIRCUIT FOR MECHANICAL CONTROL. PROVIDE ABOVE CEILING EXCEPT IN AREAS WITHOUT CEILINGS PROVIDE AT UNDERSIDE OF DECK, UNO.
- 2 NOT USED
- 3 PROVIDE RECEPTACLE ABOVE CEILING FOR SOUND ENHANCEMENT SYSTEM.
- 4 MOUNT HORIZONTALLY 9" TO TOP.

D1 KEY NOTES



B1 MEDS/STORAGE B114

1/8" = 1'-0"

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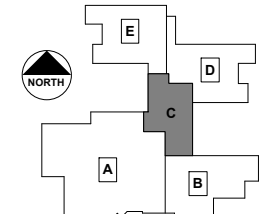
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TITLE
LEVEL 1 - PART B
POWER PLAN

SHEET
EP101b

ELECTRICAL SCHEDULE FOR INNOVATION A AND INNOVATION B EQUIPMENT										
TAG	DESCRIPTION	BASIS OF DESIGN	VOLTS	PH	FLA	GFI RECEPT OR DISC SWITCH	OUNTING WALL 48" UNO	PANEL	WIRING IN CONDUIT (Ø12, 1Ø, 2Ø, UNO)	NOTES
EQBS	BANDSAW	WEN #3962	120	1	3.5	NEMA 5-20R	RAMP WALL 18"	P2		
EQMS	MITER SAW	EPFLOG HELIX	120	1	4	NEMA 5-20R	RAMP WALL 18"	P2		
EQTS	TABLE SAW	SAWSTOP 10" SAW	208	1	7	NEMA 5-20R	CORD REEL	NOTE 4		
EQDS	3D PRINTERS	MAKERBOT REPLICATOR	120	1	76	NEMA 5-20R		NOTE 5		3
EQW	WELDER	LINCOLN ELECTRIC MIG 180	208	1	24	NEMA 6-50R		P2	3 #8, 1Ø 100	
EQALC	LASER CUTTER	EPFLOG HELIX 24	120	1	4	NEMA 6-20R	WALL	P2		
EQS	SANDER		120	1	6	NEMA 6-20R	RAMP WALL 18"	P2		
EQK	KILN	SKUTT 1227	208	3	69	DISCONNECT SWITCH	WALL	P3	3 #2, 1Ø BG	6
EQHK	KILN HOOD	ENVROEVENT 2	120	1	2	NEMA 5-20R		P3		

NOTES:
 1 WIRE AND CONNECT TO FACP
 2 PROVIDE CORD AND FLUG
 3 PROVIDE CATEGORY 6 CARLING AND DATA OUTLET AT EACH 3D PRINTER
 4 PLUGS INTO RECEPTACLE ON CORD REEL THAT IS SHOWN ON PLANS
 5 PLUGS INTO WALL RECEPTACLES ON PLANS
 6 PROVIDE DISCONNECT: 100 AMP, FUSED AT 100 AMP, 3 POLE, 4 WIRE, NEMA 1



- E1 KEY PLAN**
- ① PROVIDE JUNCTION BOX AND CIRCUIT FOR MECHANICAL CONTROL. PROVIDE ABOVE CEILING, EXCEPT IN AREAS WITHOUT CEILING. PROVIDE AT UNDERSIDE OF DECK, UNO.
 - ② PROVIDE EMPTY JUNCTION BOX MOUNTED 48" AFF FOR DOOR CONTROLS. PROVIDE 1.14" EMPTY CONDUIT WITH PULLSTRING, CONTROLS AND CONTROL WIRING BY OTHERS.
 - ③ PROVIDE RECEPTACLE ABOVE CEILING FOR SOUND ENHANCEMENT SYSTEM.
 - ④ FOR POWER REQUIREMENTS THAT ARE IN ADDITION TO THAT SHOWN ON THE FLOOR PLANS, REFER TO EQUIPMENT SCHEDULE FOR INNOVATION A AND INNOVATION B ON THIS SHEET.
 - ⑤ INTERLOCK PANEL TO SHUT DOWN ALL POWER TO ROOM UPON OPERATION OF THE MANUAL SHUTDOWN SWITCH.
 - ⑥ PROJECTOR - CONFIRM LOCATION PRIOR TO ROUGH-IN.
- D1 KEY NOTES**

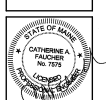
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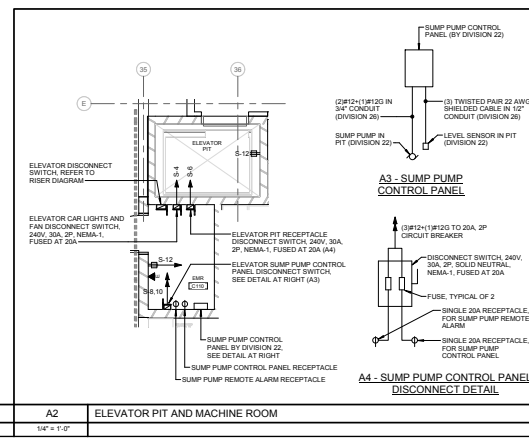
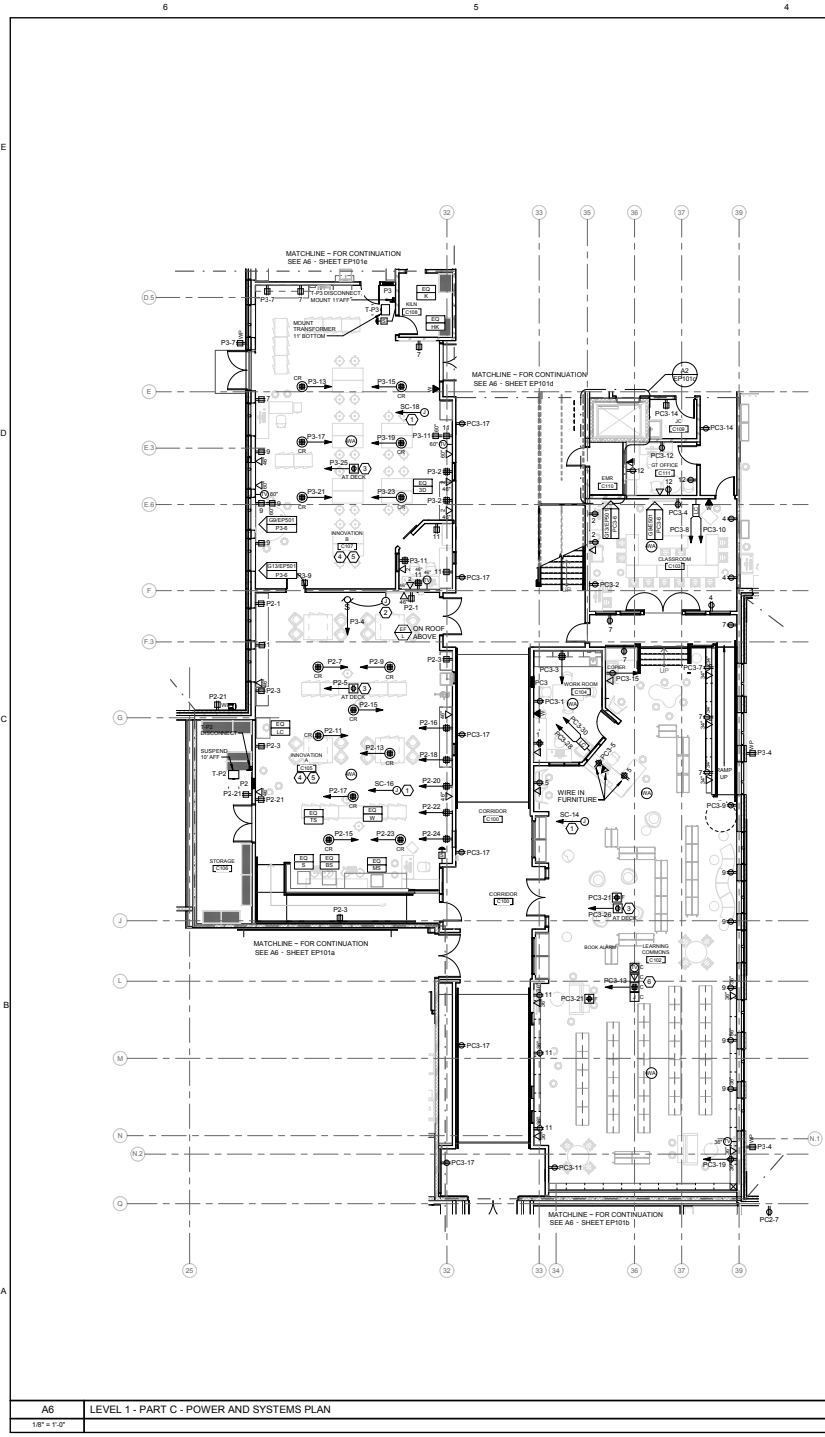
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TITLE: LEVEL 1 - PART C POWER PLAN

SHEET

EP101c

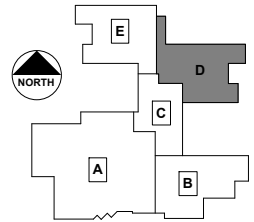
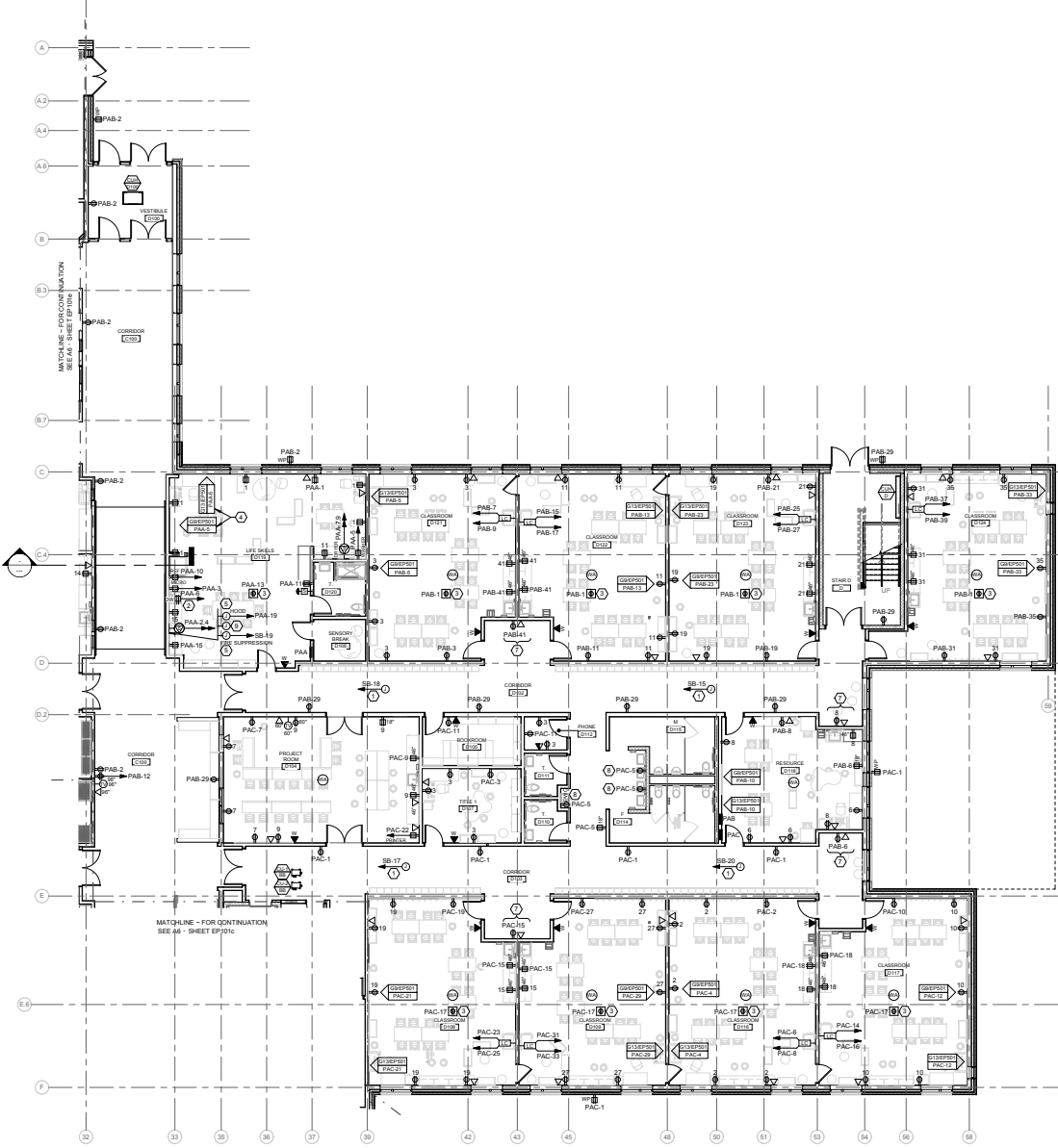


A6 LEVEL 1 - PART C - POWER AND SYSTEMS PLAN
 1/8" = 1'-0"

A2 ELEVATOR PIT AND MACHINE ROOM
 1/8" = 1'-0"

6 5 4 3 2 1

6 5 4 3 2 1



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E1 KEY PLAN

- 1 PROVIDE JUNCTION BOX AND CIRCUIT FOR MECHANICAL CONTROL. PROVIDE ABOVE CEILING. IN AREAS WITHOUT CEILING PROVIDE AT UNDERSIDE OF DECK. LAND.
- 2 MOUNT DISHWASHER RECEPTACLE IN LEFT SIDE FRONT OF SINK BASE CABINET
- 3 PROVIDE RECEPTACLE ABOVE CEILING FOR SOUND ENHANCEMENT SYSTEM
- 4 FOR THIS ROOM, RECEPTACLES SHOWN ON DETAIL 09 AND 011 SHALL BE GFI.
- 5 INTER LOCK TO SHUT DOWN POWER TO THE ROOM VIA THE SHUNT TRIP UPON FIRE ALARM. FIRE SUPPRESSION SYSTEM OPERATION, OR OPERATION OF MANUAL POWER SHUT-OFF SWITCH
- 6 PROVIDE EMPTY CONDUIT WITH PULLSTRING FOR FUTURE RACON PANEL. RUN EMPTY CONDUIT FROM 2" ABOVE PANEL LOCATION TO ROOF AND STUB CONDUIT 3" ABOVE ROOF AND CAP.
- 7 MOUNT HORIZONTALLY 12" AFF TO TOP.
- 8 RECEPTACLES FOR EWC AND FAUCETS SHALL BE WIRED DOWNSTREAM OF THE GFI ON THE CIRCUIT.
- 9 PROVIDE 1-GANG BOX WITH 1" CONDUIT STUBBED 6" ABOVE CEILING FOR HOOD TIMER CONTROL. COORDINATE EXACT LOCATION WITH ARCHITECT.

D1 KEY NOTES

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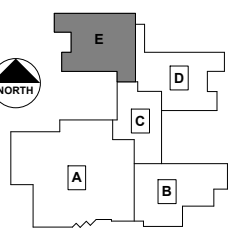
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TITLE
LEVEL 1 - PART D
POWER PLAN

SHEET
EP101d

6 5 4 3 2



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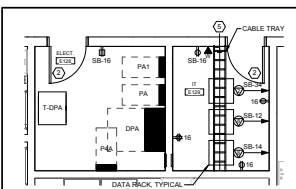
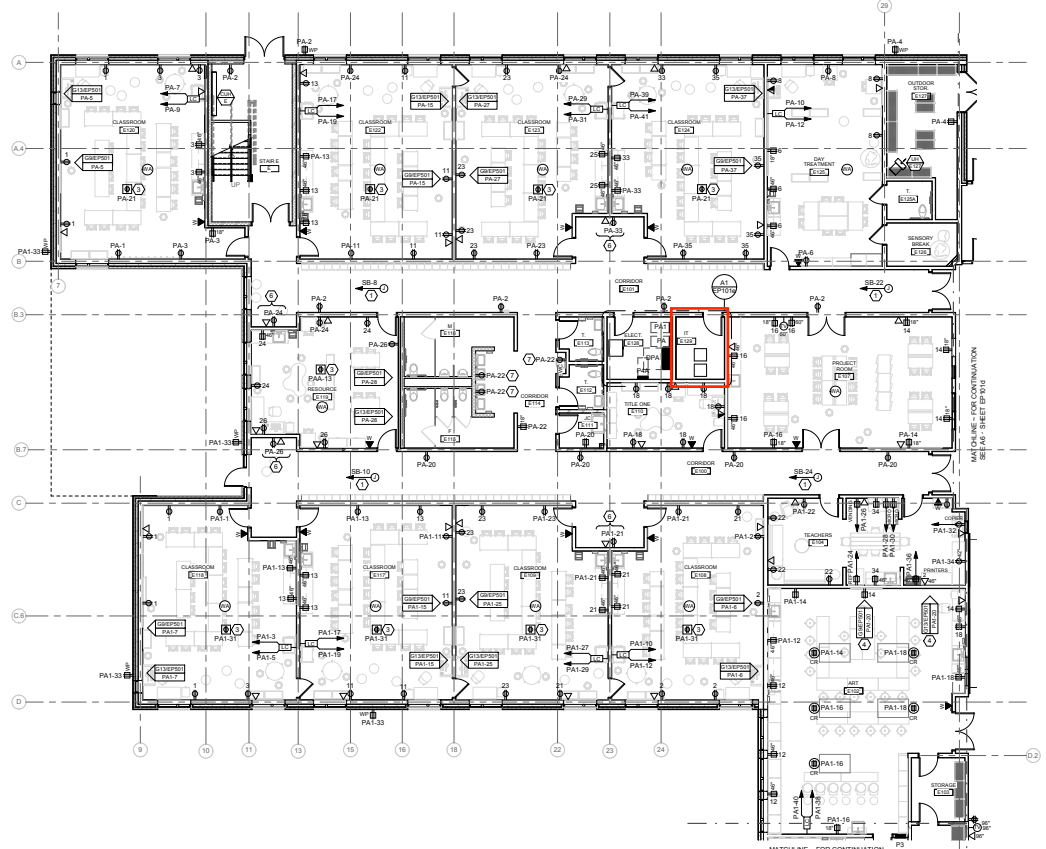
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E1 KEY PLAN

- ① PROVIDE JUNCTION BOX AND CIRCUIT FOR MECHANICAL CONTROL. PROVIDE ABOVE CEILING, IN AREAS WITHOUT CEILING PROVIDE AT UNDERSIDE OF DECK, ETC.
- ② 3/4" 4# FIRE RETARDANT PLYWOOD BACKBOARD, PAINT BOTH SIDES WITH 2 COATS OF BLACK SATIN LATEX PAINT
- ③ PROVIDE RECEPTACLE ABOVE CEILING FOR SOUND ENHANCEMENT SYSTEM
- ④ FOR THIS ROOM, RECEPTACLES SHOWN ON DETAIL G9 AND G13 SHALL BE GFCI.
- ⑤ PROVIDE CONDUIT BLEEVES. REFER TO DETAIL B1#EP901 FOR QUANTITY AND SIZES OF BLEEVES
- ⑥ MOUNT HORIZONTALLY 12" AFF TO TOP.
- ⑦ RECEPTACLES FOR EWC AND FAUCETS SHALL BE WIRED DOWNSTREAM OF THE GFI ON THE CIRCUIT.

D1 KEY NOTES



A6 LEVEL 1 - PART E - POWER AND SYSTEMS PLAN
1/8" = 1'-0"

A1 ENLARGED PLAN
1/8" = 1'-0"

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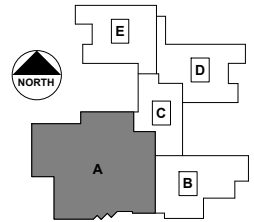
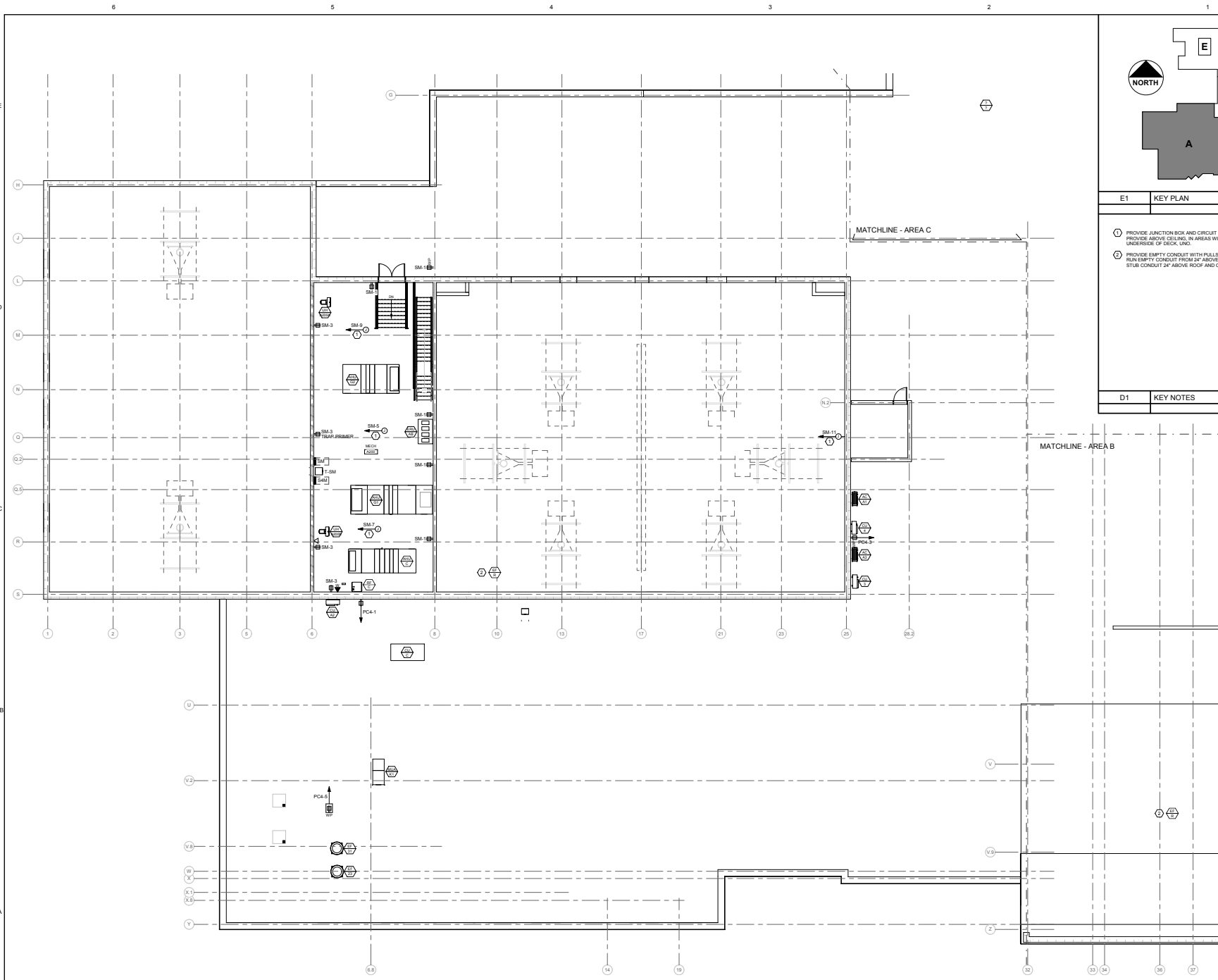
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SHEET

EP101e

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6 5 4 3 2



E1 KEY PLAN

- 1 PROVIDE JUNCTION BOX AND CIRCUIT FOR MECHANICAL CONTROL. PROVIDE ABOVE CEILING IN AREAS WITHOUT CEILINGS PROVIDE AT UNDERSIDE OF DECK UNO.
- 2 PROVIDE EMPTY CONDUIT WITH PULLSTRING FOR FUTURE RADON FANS. RUN EMPTY CONDUIT FROM 24" ABOVE PANEL LOCATION TO ROOF AND STUB CONDUIT 24" ABOVE ROOF AND CAP.

D1 KEY NOTES

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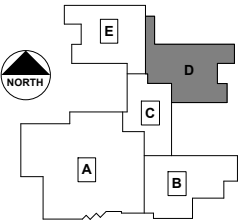
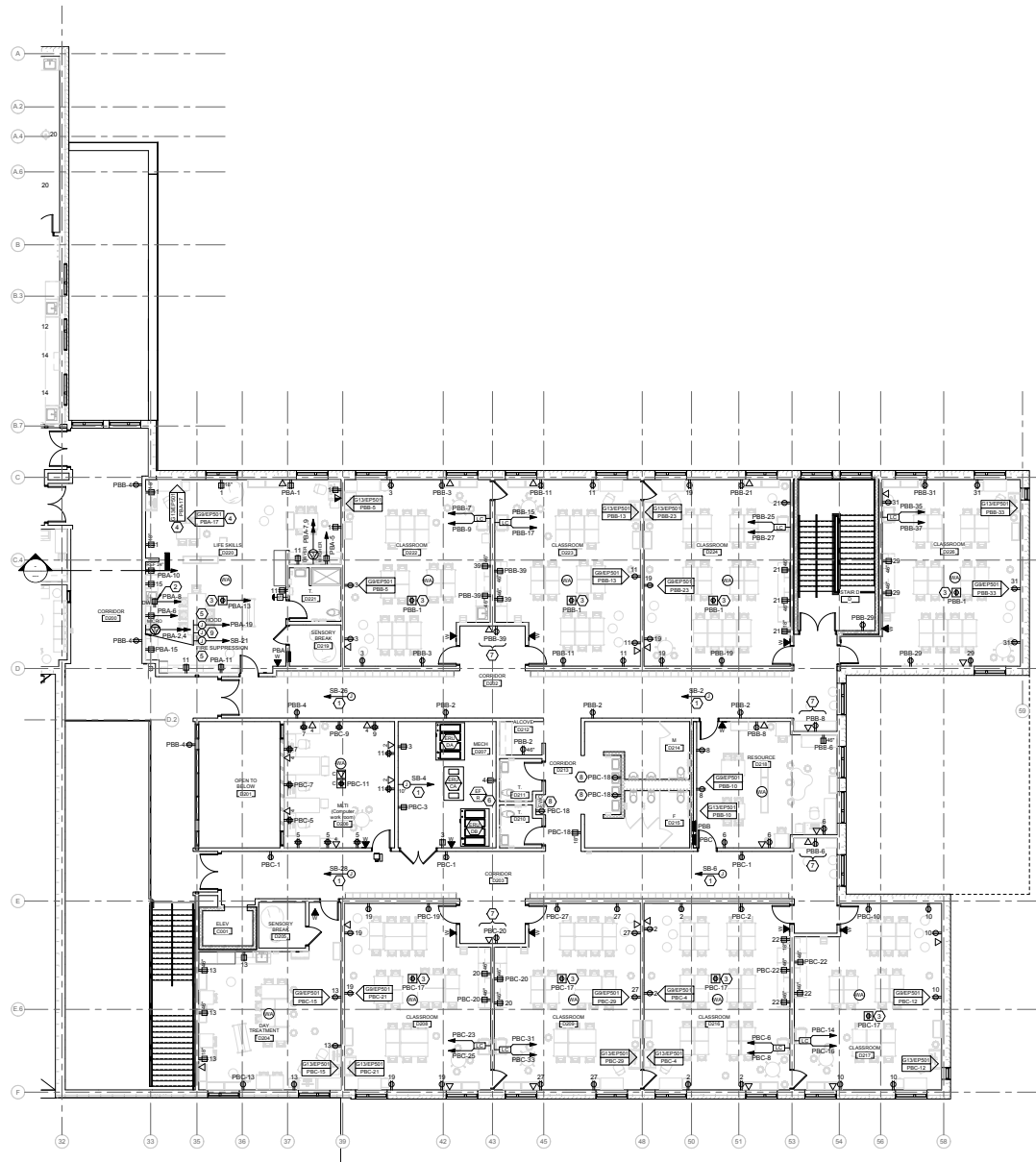
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LEVEL 2 - PART A
POWER PLAN

SHEET
EP102a



E1 KEY PLAN

- ① PROVIDE JUNCTION BOX AND CIRCUIT FOR MECHANICAL CONTROL. PROVIDE ABOVE CEILING, IN AREAS WITHOUT CEILINGS PROVIDE AT UNDERSIDE OF DECK, UNO.
- ② MOUNT DISHWASHER RECEPTACLE IN LEFT SIDE FRONT OF SINK BASE CABINET.
- ③ PROVIDE RECEPTACLE ABOVE CEILING FOR SOUND ENHANCEMENT SYSTEM.
- ④ FOR THIS ROOM, RECEPTACLES SHOWN ON DETAIL 09 AND 013 SHALL BE GFCI.
- ⑤ INTERLOCK TO SHUT DOWN POWER TO THE ROOM VIA THE SHUNT-TRIP UPON FIRE ALARMS, MANUAL POWER SHUT-OFF SWITCH, OR FIRE SUPPRESSION SYSTEM OPERATION.
- ⑥ PROVIDE EMPTY CONDUIT WITH PULLSTRING FOR FUTURE RADON FANS. RUN EMPTY CONDUIT FROM F ABOVE PANEL LOCATION TO ROOF AND STUB CONDUIT AT ABOVE ROOF AND CAP.
- ⑦ MOUNT HORIZONTALLY 15" AFF TO TOP.
- ⑧ RECEPTACLES FOR EWC AND FAUCETS SHALL BE WIRED DOWNSTREAM OF THE GFI ON THE CIRCUIT.
- ⑨ PROVIDE 1-GANG BOX WITH 1" CONDUIT STUBBED IN ABOVE CEILING FOR HOOD TIMER CONTROL. COORDINATE EXACT LOCATION WITH ARCHITECT.

D1 KEY NOTES



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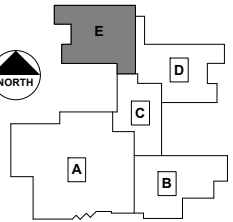
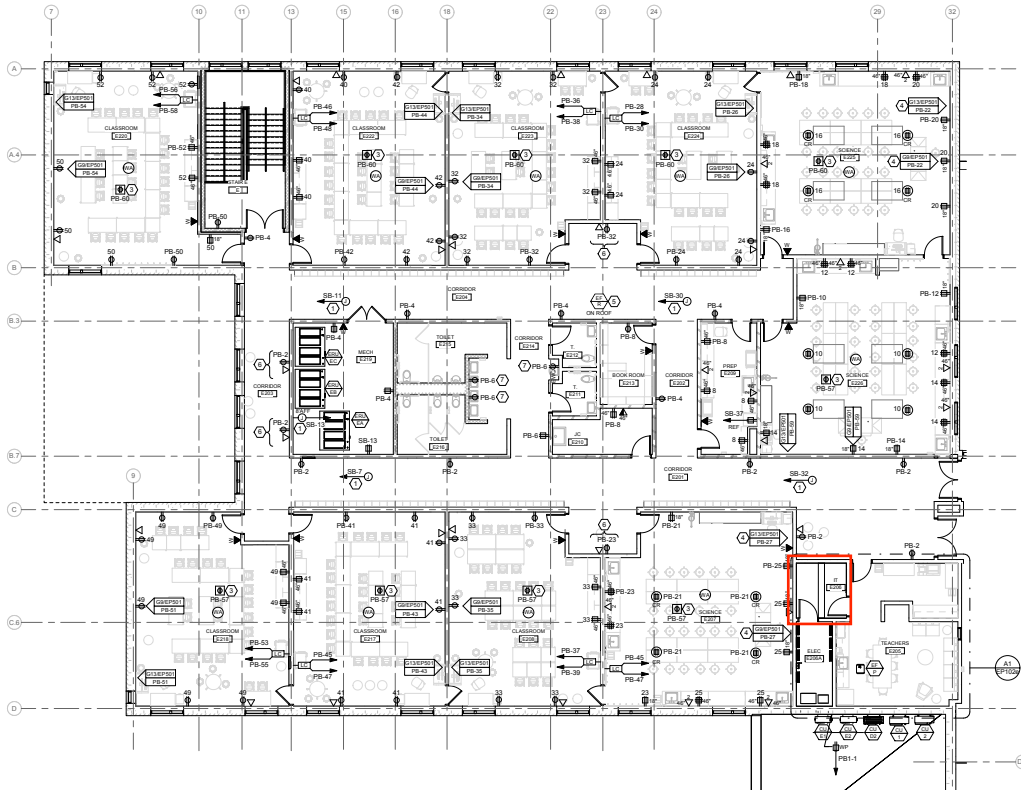
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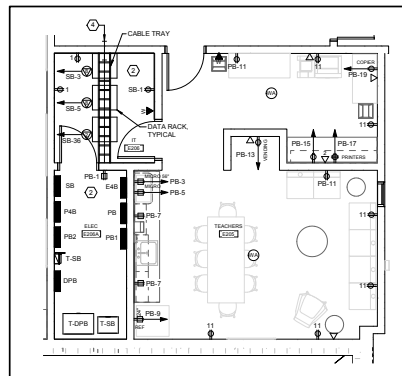
TITLE
LEVEL 2 - PART D
POWER PLAN

SHEET
EP102d



E1 KEY PLAN	
1	PROVIDE JUNCTION BOX AND CIRCUIT FOR MECHANICAL CONTROL. PROVIDE ABOVE CEILING, IN AREAS WITHOUT CEILINGS PROVIDE AT UNDERSIDE OF DESK, UND.
2	3/4" x 48" FIRE RETARDANT PLYWOOD BACKBOARD. PAINT BOTH SIDES WITH 2 COATS OF BLACK SATIN LATEX PAINT 3/4" x 48" FIRE RETARDANT PLYWOOD BACKBOARD. PAINT BOTH SIDES WITH 2 COATS OF BLACK SATIN LATEX PAINT.
3	PROVIDE RECEPTACLE ABOVE CEILING FOR SOUND ENHANCEMENT SYSTEM.
4	PROVIDE CONDUIT SLEEVES. REFER TO DETAIL S1E9501 FOR QUANTITY AND SIZES OF SLEEVES.
5	PROVIDE EMPTY CONDUIT WITH PULLSTRING FOR FUTURE RADON FANS. RUN EMPTY CONDUIT FROM IF ABOVE PANEL LOCATION TO ROOF AND STUB CONDUIT 34" ABOVE ROOF AND CAP.
6	MOUNT HORIZONTALLY 15" AFF TO TOP.
7	RECEPTACLES FOR EWC AND FAUCETS SHALL BE WIRED DOWNSTREAM OF THE GFI ON THE CIRCUIT.

D1 KEY NOTES	
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SHEET
EP102e

A6 LEVEL 2 - PART E POWER AND SYSTEMS PLAN
1/4" = 1'-0"

A1 ENLARGED PART PLAN
1/4" = 1'-0"