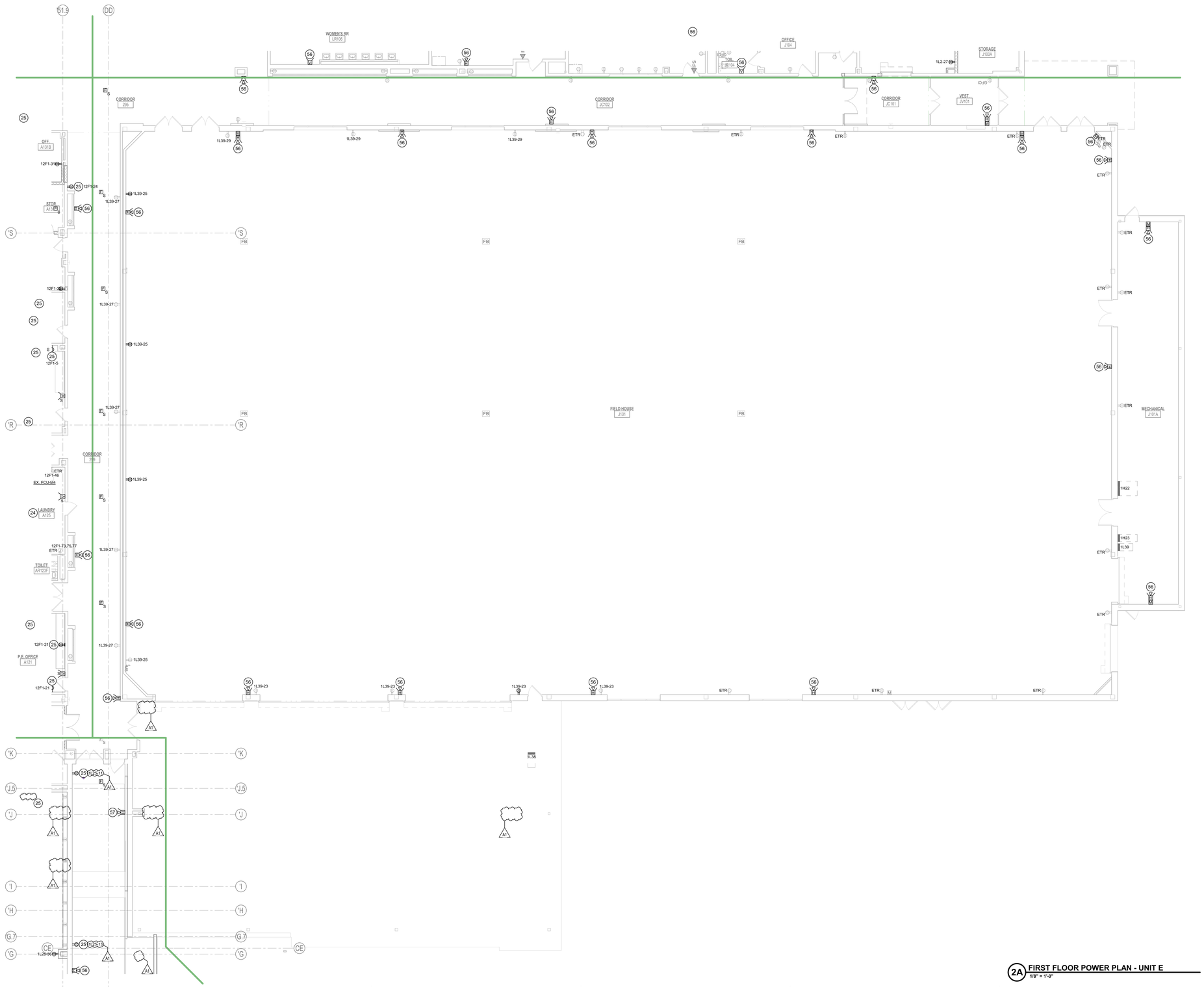

2A FIRST FLOOR POWER PLAN - UNIT E
1/8" = 1'-0"

GENERAL POWER NOTES

#	NOTES
A.	REFER TO SHEET E-001 FOR ADDITIONAL INFORMATION.
B	FOR CIRCUITS TO REMAIN PREVIOUSLY FED FROM PANELBOARDS REMOVED DURING DEMOLITION, EXTEND CIRCUIT TO CLOSEST AVAILABLE PANELBOARD AND PROVIDE NEW CIRCUIT BREAKERS AS NECESSARY. COORDINATE VOLTAGE, WIRE SIZE, AND CIRCUIT BREAKER RATING WITH EXISTING CONDITIONS.

POWER PLAN NOTES

#	NOTES
1	RECEPTACLE FOR ELECTRIC WATER COOLER. COORDINATE LOCATION WITH MANUFACTURER PRIOR TO INSTALLATION. CIRCUIT PROTECTED BY GFCI BREAKER.
2	PROVIDE CIRCUIT CONNECTION FOR HAND DRYER. COORDINATE MOUNTING HEIGHT WITH A-SERIES DRAWINGS.
3	RECEPTACLE FOR COPIER AT +36" A.F.F. TO C.L.
4	RECEPTACLE FOR REFRIGERATOR AT +48" A.F.F. TO C.L. CIRCUIT PROTECTED BY GFCI BREAKER.
5	RECEPTACLE FOR ICE MAKER AT +36" A.F.F. TO C.L. CIRCUIT PROTECTED BY GFCI BREAKER.
6	RECEPTACLE FOR MICROWAVE OVEN. COORDINATE MOUNTING HEIGHT WITH A AND I SERIES DRAWINGS.
7	RECEPTACLE FOR DISPLAY MONITOR. COORDINATE MOUNTING HEIGHT WITH T-SERIES DRAWINGS.
8	PROVIDE CIRCUIT AND CONNECT TO MANUFACTURER PROVIDED DISCONNECT SWITCH.
9	CIRCUIT CONNECTION FOR ADA DOOR OPERATOR. CONCEAL MC CABLE TO OPERATOR WITHIN DOOR FRAMING, WITH NO CABLING OR JUNCTION BOXES EXPOSED.
10	DISCONNECT SWITCH FOR ELECTRICALLY OPERATED OVERHEAD DOOR. INSTALL AND CONNECT ALL DOOR CONTROLLERS FOR A COMPLETE OPERATIONAL SYSTEM.
11	PROVIDE TOGGLE SWITCH OR MOTOR STARTER ON WALL AT +48" A.F.F. CONNECT TO UNIT PROVIDED DISCONNECT SWITCH LOCATED IN EXHAUST FAN ON ROOF. COORDINATE CONTROLS WITH M-SERIES DRAWINGS.
12	SMOKE DETECTOR FOR ELEVATOR RECALL.
13	QUADRUPLEX RECEPTACLE FOR TELECOMMUNICATIONS RACK INSTALLED ON TOP RAIL OF RACK. COORDINATE WITH T-SERIES DRAWINGS.
14	CIRCUIT CONNECTION FOR TEMPERATURE CONTROL PANEL. VERIFY FINAL LOCATION IN FIELD WITH TEMPERATURE CONTROL CONTRACTOR.
16	DISCONNECT SWITCH FOR FAN COIL UNIT SPLIT SYSTEM. REFER TO ROOF PLANS FOR LOCATION OF CORRESPONDING CONDENSING UNIT.
17	CIRCUIT CONNECT FOR FUME HOOD. COORDINATE ALL REQUIREMENTS WITH MANUFACTURER.
18	INSTALL MOTOR CONTROLLER ABOVE FUME HOOD ON WALL. ROUTE CIRCUIT INDICATED FROM FUME HOOD SWITCH THROUGH MOTOR CONTROLLER TO ROOF-MOUNTED EXHAUST FAN INDICATED.
19	PROVIDE CIRCUIT CONNECTION TO MASTER GAS CONTROL PANEL. COORDINATE WITH P-SERIES DRAWINGS.
20	POWER CONNECTION FOR ELEVATOR MOTOR. CONFIRM FINAL LOCATION WITH ELEVATOR EQUIPMENT MANUFACTURER.
21	FIRE ALARM RELAYS TO SERVE ELEVATOR PRIMARY, SECONDARY, AND HAT.
22	DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTS. CONFIRM FINAL LOCATION WITH ELEVATOR EQUIPMENT MANUFACTURER. CONNECT TO LIFE SAFETY POWER.
23	DEDICATED CIRCUIT SIMPLEX RECEPTACLE TO SERVE SUMP PUMP.
24	FOR ALL EXISTING RECEPTACLES TO REMAIN IN THIS SPACE, CONNECT EXISTING RECEPTACLE CIRCUIT WIRING ABOVE FINISHED CEILING TO NEW CIRCUIT(S) INDICATED. CONTRACTOR VERIFY EXISTING CIRCUITS AND CONDITION OF WIRING. REUSE EXISTING WIRING WHERE POSSIBLE, REPLACE EXISTING WIRING AS NECESSARY.
25	INSTALL NEW RECEPTACLE IN EXISTING BACK BOX. RECONNECT TO EXISTING CIRCUIT WIRING.
26	INSTALL NEW RECEPTACLE AND WIRING IN EXISTING BACK BOX AND RACEWAY.
27	INSTALL NEW RECEPTACLE AND WIRING IN NEW BACK BOX AND RACEWAY RECESSED IN EXISTING WALL.
28	INSTALL NEW RECEPTACLE IN NEW BACK BOX RECESSED IN EXISTING WALL. INTERCEPT EXISTING RACEWAY, EXTEND AND RECONNECT EXISTING CIRCUIT WIRING TO NEW RECEPTACLE. COORDINATE BACK BOX MOUNTING HEIGHT WITH NEW FLOOR HEIGHT.
29	PROVIDE DUAL-CHANNEL, HORIZONTAL, SURFACE MOUNTED, STEEL RACEWAY (WIREMOLD G4000 SERIES OR APPROVED EQUIVALENT) AT RECEPTACLE MOUNTING HEIGHT. FEED RACEWAY VERTICALLY FROM ACCESSIBLE CEILING ABOVE AT CLOSEST CORNER OF ROOM.
30	RECEPTACLE FOR VENDING MACHINE AT +48" A.F.F. TO C.L. CIRCUIT PROTECTED BY GFCI BREAKER.
31	RECEPTACLE FOR DISHWASHER AT +18" A.F.F. TO C.L. CIRCUIT PROTECTED BY GFCI BREAKER.
32	REINSTALL EXISTING BLACK BOX THEATRE DIMMING EQUIPMENT PREVIOUSLY REMOVED FROM OLD BLACK BOX THEATRE SPACE.
33	RECEPTACLE FOR WASHER AT +36" A.F.F. TO C.L.
34	NEMA 10-30R RECEPTACLE FOR DRYER AT +36" A.F.F. TO C.L.
35	NEMA 14-50R RECEPTACLE FOR RANGE AT +30" A.F.F. TO C.L.
36	RECEPTACLE FOR DRYER DUCT BLOWER (DB-1) +108" A.F.F. TO C.L.
37	PROVIDE FOUR-GANG RECESSED FLOOR BOX WITH CUT-OUT STYLE COVER (WIREMOLD RFB4 OR APPROVED EQUIVALENT). TWO (2) DUPLEX RECEPTACLES, TWO (2) GANGS RESERVED FOR DATA, AND DIVIDERS BETWEEN POWER AND DATA COMPARTMENTS.
38	RECEPTACLE FOR WHIRLPOOL TUB AT +48" A.F.F. TO C.L.
39	RECEPTACLE FOR PROJECTOR LOCATED ON CEILING. COORDINATE LOCATION WITH T-SERIES DRAWINGS.
40	PROVIDE CIRCUIT AND CONNECT TO MOTOR OPERATRED PROJECTOR SCREEN. PROVIDE ALL CONTROLS AND CONNECTIONS NECESSARY FOR A COMPLETE, OPERABLE SYSTEM. COORDINATE LOCATION AND MOUNTING HEIGHT WITH T-SERIES DRAWINGS.
41	PROVIDE CEILING MOUNTED TWIST LOCK RECEPTACLE (NEMA 5-20R) WITH COMPATIBLE CORD AND PLUG SUSPENDED FROM LOCKING RECEPTACLE DOWN TO QUAD RECEPTACLE. REFER TO DETAIL.
42	MOUNT DISCONNECT SWITCH TO UNISTRUT. REFER TO E-500 SERIES SHEETS FOR TYPICAL EXTERIOR EQUIPMENT MOUNTING FRAME DETAIL. VERIFY EXACT LOCATION OF DISCONNECT SWITCH WITH DIVISION 23 CONTRACTOR PRIOR TO INSTALLATION.
43	REMOTE FACP SERVED BY MAIN FACP IN SCHOOL BUILDING. PROVIDE FIBER LINK TO MAIN FACP AND ROUTE FIBER THROUGH TUNNEL.
44	EXTEND NEW CIRCUIT WIRING FROM EXISTING RECEPTACLE LOCATION TO REMAIN. CONNECTION SHOWN IS DIAGRAMMATIC ONLY. COORDINATE ACTUAL CONNECTION POINT WITH BUILDING CONDITIONS.
45	CIRCUIT CONNECTION FOR CHILLER ISOLATION VALVE. VERIFY FINAL LOCATION IN FIELD WITH MECHANICAL CONTRACTOR.
46	CIRCUIT CONNECTION FOR BOILER ISOLATION VALVE. VERIFY FINAL LOCATION IN FIELD WITH MECHANICAL CONTRACTOR.
47	NOT USED.
48	QUADRUPLEX RECEPTACLE FOR SOUND RACK. COORDINATE LOCATION AND MOUNTING HEIGHT WITH T-SERIES DRAWINGS.
49	INSTALL DISCONNECT SWITCH FOR SUSPENDED TRANSFORMER ABOVE ACCESSIBLE CEILING.
50	SUSPEND TRANSFORMER FROM OVERHEAD STRUCTURE ABOVE ACCESSIBLE CEILING.
51	INSTALL WASTEWATER PUMP ALARM/STROBE FURNISHED BY PLUMBING CONTRACTOR +80" AFF. EXTEND WIRING AND RACEWAY FROM CONTROL PANEL IN CUSTODIAL/MAINTENANCE J112.
52	SWITCH FOR GARBAGE DISPOSAL LOCATED IN SINK BASE CABINET. INSTALL IN ACCESSIBLE LOCATION. CONNECT COMPLETE TO CIRCUIT INDICATED.
53	RECEPTACLE FOR WATER SOFTENER. COORDINATE WITH P-SERIES DRAWINGS.
54	PROVIDE CIRCUIT FOR BOOSTER PUMP BP-1 AND CONNECT THROUGH MANUFACTURER FURNISHED CONTROL PANEL. COORDINATE WITH P-SERIES DRAWINGS.
55	PROVIDE CIRCUIT FOR WASTEWATER PUMP WWP-1 AND CONNECT THROUGH MANUFACTURER FURNISHED CONTROL PANEL WITH ALARM AND STROBE. EXTEND ELECTRICAL CONNECTION TO PUMP(S) IN THE MIDDLE OF TUNNEL. EXTEND CONDUIT AND WIRE THROUGH TUNNEL TO BOILER PLANT FOR ALARM AND STROBE. COORDINATE WITH P-SERIES DRAWINGS.
56	INSTALL NEW FIRE ALARM DEVICE AND CABLING IN EXISTING BACK BOX AND RACEWAY AND CONNECT TO NEW FIRE ALARM PANEL.
57	INSTALL NEW FIRE ALARM DEVICE AND CABLING IN NEW BACK BOX AND RACEWAY RECESSED IN EXISTING WALL AND CONNECT TO NEW FIRE ALARM PANEL.
58	INSTALL NEW FIRE ALARM DEVICE AND CABLING IN NEW BACK BOX AND RACEWAY SURFACE MOUNTED TO EXISTING WALL AND CONNECT TO NEW FIRE ALARM PANEL.

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#	Revision	Date
1	Addendum #1	05.14.2020

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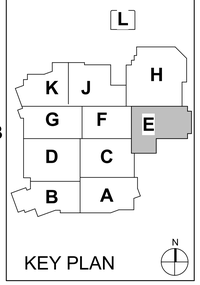

KEY PLAN

MSD OF LAWRENCE TOWNSHIP

ADDITIONS AND RENOVATIONS TO LAWRENCE CENTRAL HIGH SCHOOL

FIRST FLOOR POWER PLAN - UNIT E

EP1E1