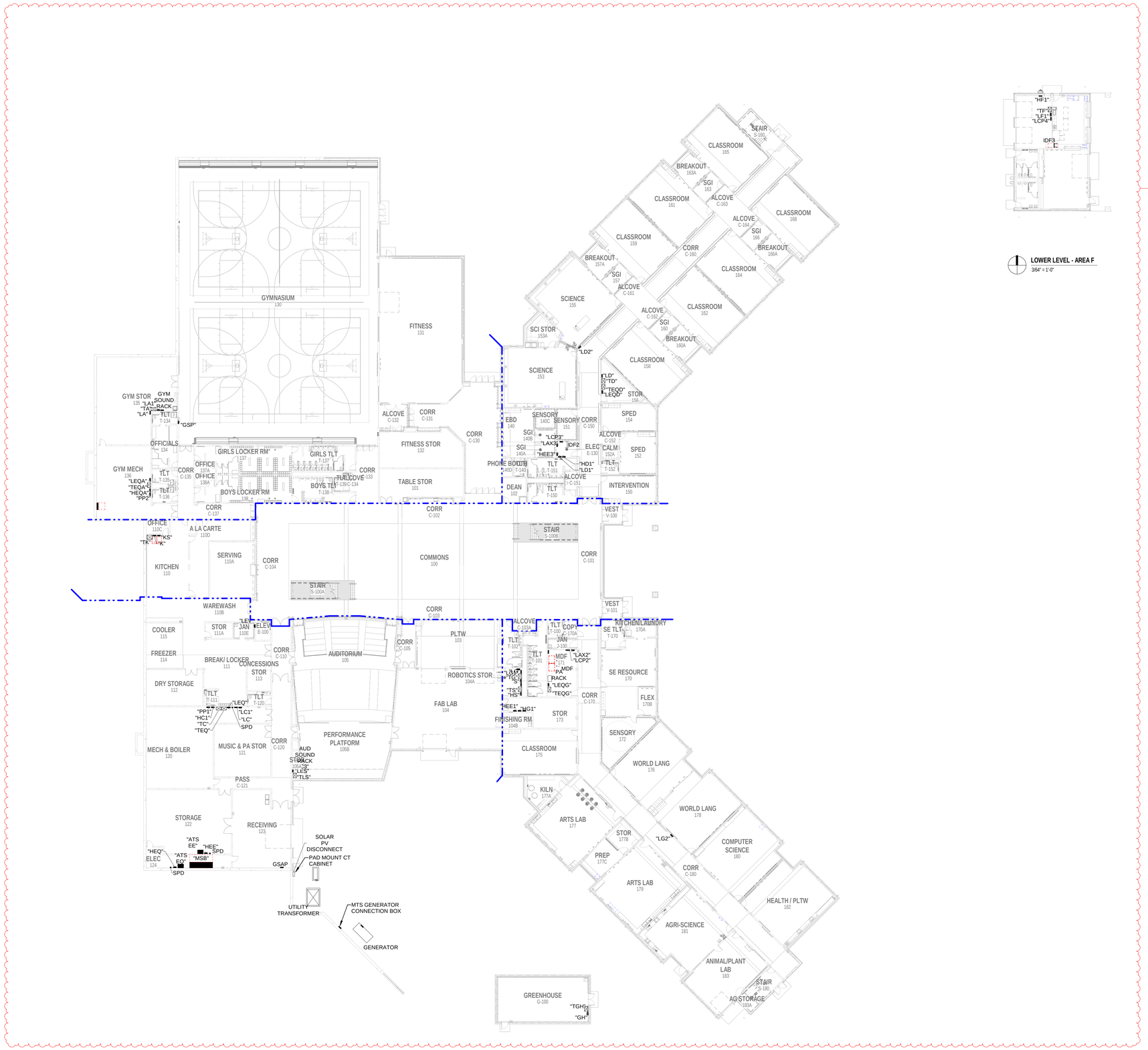
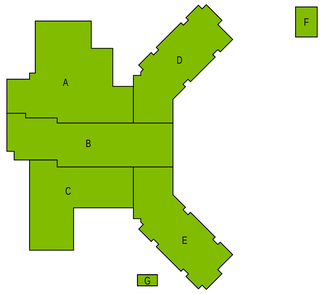
PLAN NOTES



OVERALL LOWER LEVEL PLAN
3/64" = 1'-0"

LOWER LEVEL - AREA F
3/64" = 1'-0"



KEY PLAN

209 south water street, milwaukee, wisconsin 53204 t 414 359 3960
2310 crossroads drive, suite 2000, madison, wisconsin 53718 t 608 240 9900
1970 main street, suite 201, sarasota, florida 34236 t 941 444 8845
220 industrial boulevard, suite 101, austin, texas 78745 t 512 851 1990
327 E 4th street, suite 204, waterloo, iowa 50703 t 319 233 1183

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BEAVER DAM UNIFIED SCHOOL DISTRICT
NEW MIDDLE SCHOOL

N6720 COUNTY RD G, BEAVER DAM, WI 53916

REVISIONS:
AD01 BP2 11/07/25

OVERALL LOWER LEVEL PLAN

CONSTRUCTION DOCUMENTS
BID PACKAGE: 2
DATE: 10-23-2025
JOB NO: 230028-02
SHEET NO: E200

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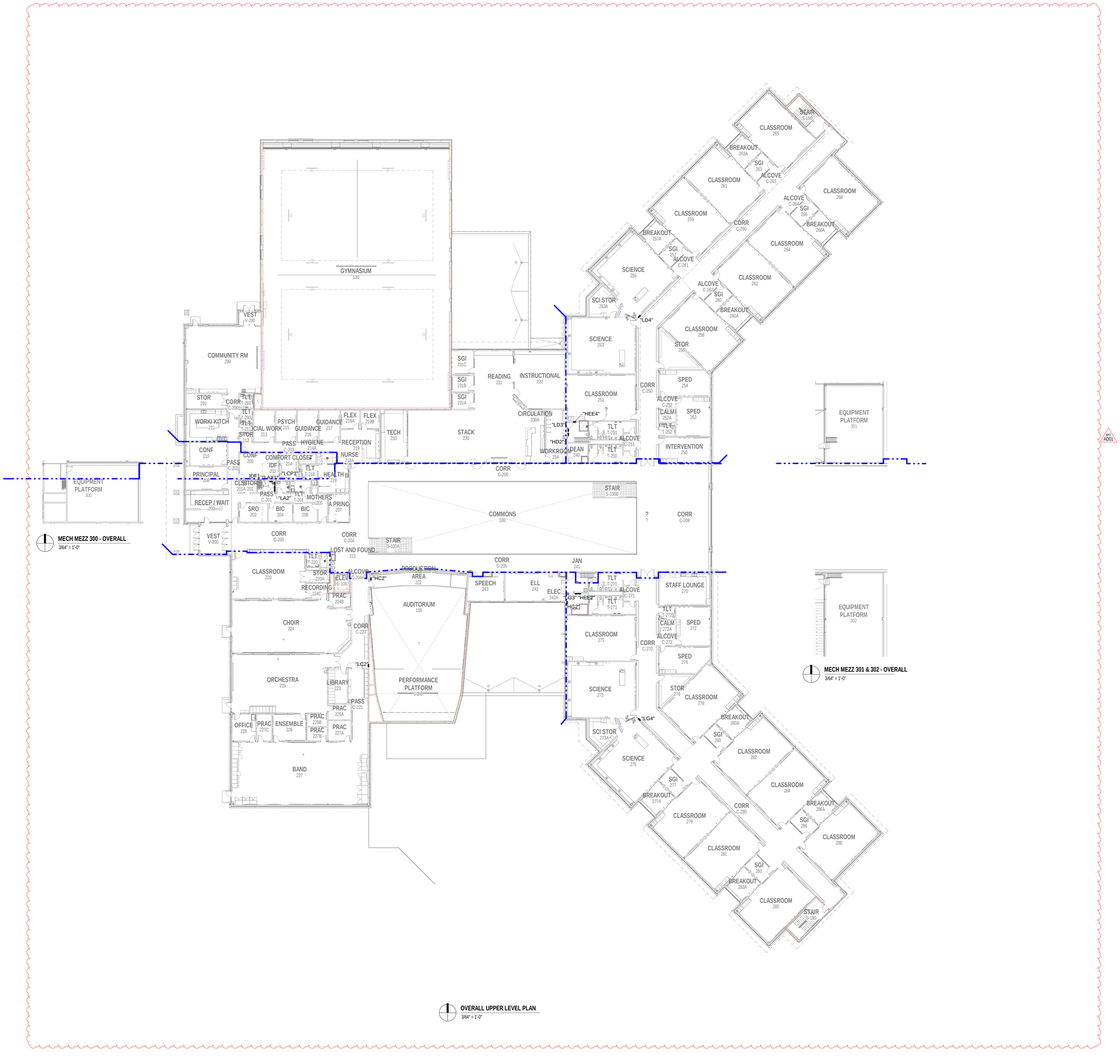
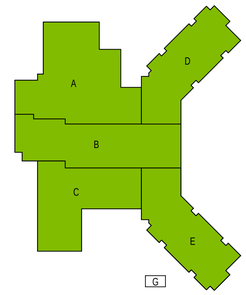
PLAN NOTES



MECH MEZZ 300 - OVERALL
3/64" = 1'-0"

MECH MEZZ 301 & 302 - OVERALL
3/64" = 1'-0"

OVERALL UPPER LEVEL PLAN
3/64" = 1'-0"



KEY PLAN

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209 south water street, milwaukee, wisconsin 53204 (414) 359-3900
2310 crossroads drive, suite 2000, madison, wisconsin 53718 (608) 240-9900
1270 main street, suite 200, stevens point, wisconsin 54481 (715) 344-8000
220 industrial boulevard, suite 101, austin, texas 78745 (512) 233-1990
3277 4th street, suite 204, waterloo, iowa 50703 (319) 233-1183

pra

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NEW MIDDLE SCHOOL
N6720 COUNTY RD G, BEAVER DAM, WI 53916

REVISIONS:
AD01 BP2 11/07/25

OVERALL UPPER LEVEL PLAN

CONSTRUCTION DOCUMENTS
BID PACKAGE: 2
DATE: 10-23-2025
JOB NO: 230028-02
SHEET NO: E201

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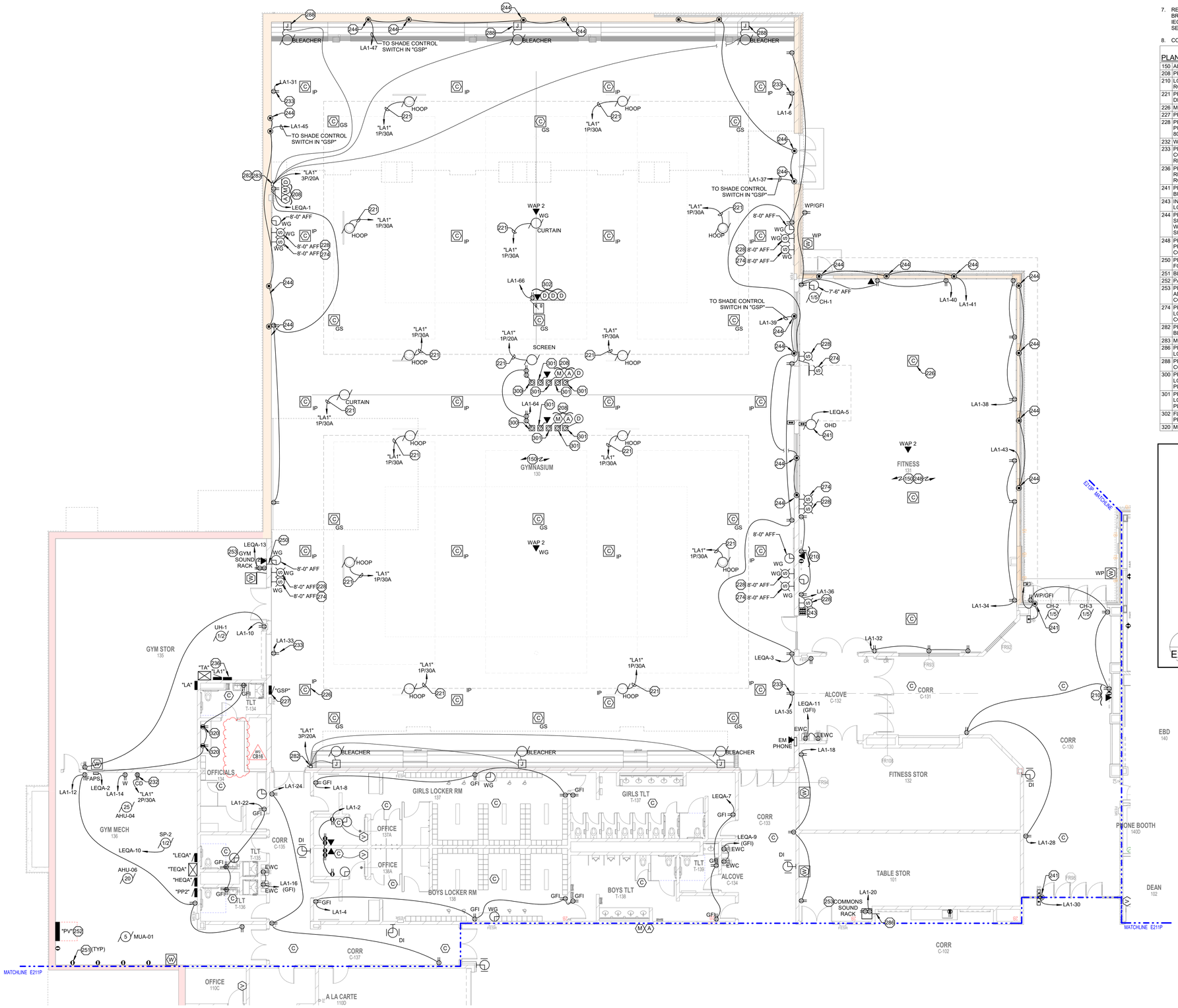
GENERAL NOTES

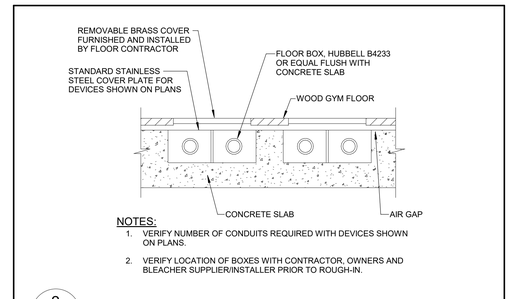
1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL 7/E800.
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL 2/E800.
3. CONFIRM EXACT LOCATION OF ALL OUTLETS IN OFFICES AND IMC WITH OWNER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) TO BE ROUGHED-IN BEHIND UNIT. CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN. CONFIRM RECEPTACLE OR DIRECT CONNECTION.
5. ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
6. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.
7. RECEPTACLES INSTALLED IN ENCLOSED OFFICES, CONFERENCE ROOMS, ROOMS FOR COPY/PRINT FUNCTIONS, BREAKROOMS, CLASSROOMS, AND INDIVIDUAL WORKSTATIONS SHALL HAVE AUTOMATIC RECEPTACLE CONTROL PER IECC SECTION 405.11. RECEPTACLES SHALL HAVE AUTOMATIC RECEPTACLE CONTROL BY MEANS OF OCCUPANCY SENSOR IN ROOM.
8. CONNECT ALL DIGITAL CLOCKS TO NEAREST CORRIDOR 120V RECEPTACLE CIRCUIT.

PLAN NOTES (X)

150	ALL WIRING THIS ROOM TO BE INSTALLED IN CONDUIT. NO EXPOSED WIRE TO INCLUDE ALL LOW VOLTAGE CABLING.
208	PROVIDE MICROPHONE JACK AND AUX INPUT FOR SOUND SYSTEM. SEE SPECIFICATIONS.
210	LOCATE DEVICES BEHIND WALL MOUNTED MEDIA DEVICE. VERIFY LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
221	PROVIDE CIRCUIT FROM GYMNASIUM EQUIPMENT CONTROL PANEL. PROVIDE RECEPTACLE AT EQUIPMENT PER DETAIL 6/E801 WIRE WITH 2#10, #10 GND IN 3/4"C TO SWITCH PROVIDED BY EQUIPMENT SUPPLIER.
226	MOUNT SPEAKERS TO ROOF DECK. PROVIDE SURFACE SPEAKER ENCLOSURE. TYPICAL OF ALL.
227	PROVIDE GYNASIUM SWITCH PANEL (GSP) PER DETAIL 3/E802
228	PROVIDE WIRING FROM GREEN STROBE LIGHT TO PUBLIC ADDRESS RACK. STROBE LIGHT TO ACTIVATE WHEN A PUBLIC ADDRESS IS MADE IN THIS ROOM. STROBE LIGHT IS PROVIDED BY PUBLIC ADDRESS VENDOR. WALL MOUNT AT 80" AFF. COORDINATE BEST LOCATION IN ROOM WITH OWNER PRIOR TO ROUGH-IN.
232	WIRE WITH 3#10, #10GND IN 3/4"C. PROVIDE NEMA 14-30 DRYER RECEPTACLE.
233	PROVIDE RECEPTACLE FOR WIRELESS SCOREBOARD. FLUSH MOUNT DIRECTLY ABOVE SCOREBOARD LOCATION. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT PRIOR TO ROUGH-IN. PROVIDE SWITCH TO CONTROL RECEPTACLE IN GSP. LABEL SWITCH "SCOREBOARD".
236	PROVIDE BREAKERS FROM PANEL "LA1" & "LEQA" TO FEED GYM EQUIPMENT (BACKSTOPS, CURTAIN, ETC) FROM RELAY PANEL. VERIFY BREAKERS AND FEED REQUIREMENTS FOR ALL CONNECTIONS WITH SUPPLIER PRIOR TO ROUGH-IN. MODIFY BREAKERS IF EQUIPMENT REQUIREMENTS ARE DIFFERENT THAN WHAT IS SHOWN.
241	PROVIDE 120V CONNECTION TO MOTORIZED DOOR OPERATOR. PROVIDE ALL WIRING FROM OPERATOR PUSH BUTTON. PROVIDE ROUGH-IN AS SPECIFIED BY SUPPLIER. MOUNT PUSH BUTTON AT 40" AFF TO CENTER.
243	INSTALL UP/STOP/DN SWITCH FOR MOTORIZED SHADES, SUPPLIED BY SHADE SUPPLIER. COORDINATE BEST LOCATION FOR MOTORIZED SHADE SWITCH WITH OWNER PRIOR TO ROUGH-IN.
244	PROVIDE CONNECTION TO MOTORIZED SHADES. VERIFY EXACT LOACTION AND REQUIREMENTS WITH SHADE SUPPLIER AND ON-SITE ARCHITECT PRIOR TO ROUGH-IN. WIRE ALL CONTROLS. VERIFY SHADE MOTOR CONNECTIONS WITH SHADE SUPPLIER. ALL WIRING TO BE CONCEALED INSIDE WALLS. COORDINATE INSTALLATION WITH SHADE SUPPLIER.
248	PROVIDE RECESSED OUTLETS AT STANDARD HEIGHT BEHIND WALL PADDING ON WALLS WITH WALL PADDING PRESENT. COORDINATE REMOVAL OF WALL PADDING TO PROVIDE OPENING FOR OUTLET WITH GENERAL CONTRACTOR.
250	PROVIDE (2) 2" CONDUITS FROM GYM SOUND SYSTEM RACK TO JUNCTION BOX MOUNTED IN JOIST SPACE OF GYM FOR ROUTING SOUND SYSTEM CABLING.
251	BLANK BOX FOR FUTURE DATA CONNECTION TO INVERTERS. TYPICAL ALL ALONG THIS WALL.
252	PANEL FOR FUTURE SOLAR INTERCONNECTION. SEE ONE-LINE DIAGRAM.
253	PROVIDE CONTROL MODULE FOR INPUT TO SOUND SYSTEM EQUIPMENT RACK. UPON BROADCAST OF PUBLIC ADDRESS SYSTEM ANNOUNCEMENT, THE SOUND SYSTEM SHALL MUTE. COORDINATE WITH SOUND SYSTEM CONTRACTOR.
274	PROVIDE WIRING FROM BLUE STROBE LIGHT TO KEYLESS ENTRY PANEL. STROBE LIGHT TO ACTIVATE WHEN THE LOCKDOWN BUTTON IS PRESSED. STROBE LIGHT IS PROVIDED BY KEYLESS ENTRY VENDOR. WALL MOUNT AT 80" AFF. COORDINATE BEST LOCATION IN ROOM WITH OWNER PRIOR TO ROUGH-IN.
282	PROVIDE NON-FUSED DISCONNECT SWITCH FOR BLEACHER MOTORS. COORDINATE EXACT LOCATION WITH BLEACHER SUPPLIER.
283	MOUNT ON GYM WALL DIRECTLY ADJACENT TO THE FURTHEST POINT OF BLEACHER EXTENSION.
286	PROVIDE (2) 2" CONDUITS FROM COMMONS SOUND SYSTEM RACK TO JUNCTION BOX MOUNTED ABOVE COMMONS LOWER LEVEL CEILING FOR ROUTING SOUND SYSTEM CABLING.
288	PROVIDE SURFACE CONDUIT THROUGH FLOOR TO JUNCTION BOX MOUNTED AT 4'-0" AFF FOR BLEACHER MOTOR CONNECTION. COORDINATE EXACT JUNCTION BOX LOCATION AND INSTALLATION WITH BLEACHER SUPPLIER.
300	PROVIDE TYPE 7 FLOOR BOX. PROVIDE DEVICES AS SHOWN. PROVIDE 3/4" CONDUIT FOR POWER. VERIFY EXACT LOCATION WITH ON-SITE ARCHITECT AND OWNER PRIOR TO ROUGH-IN. G.C. TO PROVIDE VOLLEYBALL BRASS COVER PLATE OVER BOX IN FLOOR TO ALLOW ACCESS TO DEVICES UNDER FLOOR. SEE SPECIFICATIONS & DETAIL 2/E210P
301	PROVIDE TYPE 8 FLOOR BOX. PROVIDE DEVICES AS SHOWN. PROVIDE 1" CONDUIT FOR LOW VOLTAGE. VERIFY EXACT LOCATION WITH ON-SITE ARCHITECT AND OWNER PRIOR TO ROUGH-IN. G.C. TO PROVIDE VOLLEYBALL BRASS COVER PLATE OVER BOX IN FLOOR TO ALLOW ACCESS TO DEVICES UNDER FLOOR. SEE SPECIFICATIONS & DETAIL 2/E210P
302	FLUSH MOUNT DEVICES IN CMU CEILING PLATE FOR OWNER FURNISHED AND INSTALLED CEILING MOUNTED PROJECTOR. VERIFY EXACT LOCATION WITH OWNER PROJECTION EQUIPMENT. SEE DETAIL 4/E802
320	MOUNT RECEPTACLES HORIZONTALLY DIRECTLY ABOVE BACKSPLASH BELOW BOTTOM OF MIRROR.

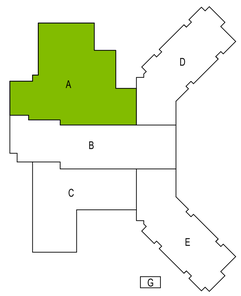


LOWER LEVEL PLAN - AREA A - POWER
1/8" = 1'-0"



NOTES:
1. VERIFY NUMBER OF CONDUITS REQUIRED WITH DEVICES SHOWN ON PLANS.
2. VERIFY LOCATION OF BOXES WITH CONTRACTOR, OWNERS AND BLEACHER SUPPLIER/INSTALLER PRIOR TO ROUGH-IN.

2 E210P **GYM FLOOR BOX DETAIL**
SCALE: NTS



KEY PLAN

209 south water street, milwaukee, wisconsin 53204 t 414 339 3060
2310 crossroads drive, suite 2000, madison, wisconsin 53718 t 608 240 9900
1555 n rivercenter drive, suite 201, milwaukee, wisconsin 53212 t 262 241 1900
220 industrial boulevard, suite 101, austin, texas 78745 t 512 851 1900
3272 4th street, suite 204, waterloo, iowa 50703 t 319 233 1163

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CB14	BP2	05/29/26
CB16	BP2	06/26/26

LOWER LEVEL PLAN - AREA A - POWER

CONSTRUCTION DOCUMENTS
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SHEET NO: E210P

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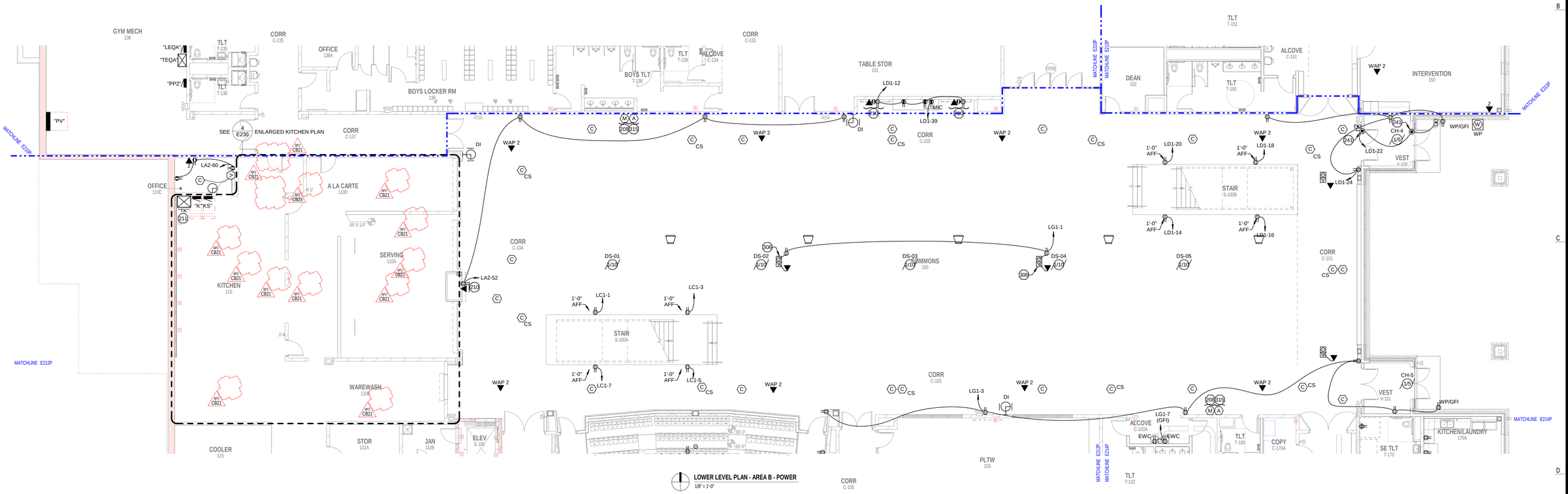
GENERAL NOTES

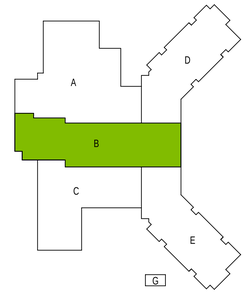
1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL 7/E800.
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL 2/E800.
3. CONFIRM EXACT LOCATION OF ALL OUTLETS IN OFFICES AND IMC WITH OWNER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) TO BE ROUGHED-IN BEHIND UNIT. CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN. CONFIRM RECEPTACLE OR DIRECT CONNECTION.
5. ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
6. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.
7. RECEPTACLES INSTALLED IN ENCLOSED OFFICES, CONFERENCE ROOMS, ROOMS FOR COPY/PRINT FUNCTIONS, BREAKROOMS, CLASSROOMS, AND INDIVIDUAL WORKSTATIONS SHALL HAVE AUTOMATIC RECEPTACLE CONTROL PER IECC SECTION 405.11. RECEPTACLES SHALL HAVE AUTOMATIC RECEPTACLE CONTROL BY MEANS OF OCCUPANCY SENSOR IN ROOM.
8. CONNECT ALL DIGITAL CLOCKS TO NEAREST CORRIDOR 120V RECEPTACLE CIRCUIT.
9. FOR ALL FIRE SMOKE DAMPERS (FSD) SHOWN ON THIS SHEET, PROVIDE DUCT SMOKE DETECTOR AND ADDRESSABLE CONTROL MODULE TO CONTROL SMOKE DAMPER. PROVIDE WIRING FROM RELAY TO DAMPER ACTUATOR. CIRCUIT AS NOTED ON POWER PLANS. LOCATE DUCT SMOKE DETECTOR PER IBC 716.3.2.3. PROVIDE TEST SWITCH. UPON DETECTION OF SMOKE FROM ANY OF THE EXISTING SMOKE DETECTORS IN THE CORRIDOR ALL ASSOCAITED SMOKE DAMPERS SHALL CLOSE AND THE ASSOCIATED AHU SHALL SHUT DOWN THROUGH THE EXISTING FIRE ALARM INTERLOCK. PROVIDE FIRE ALARM PROGRAMMING FOR SHUTTING DOWN THE AHU FROM ANY OF THE SMOKE DETECTORS IN CORRIDOR. PROVIDE FIRE ALARM CONTROL MODULE TO CONTROL ALL ASSOCIATED SMOKE DAMPERS TOGETHER UPON DETECTION OF SMOKE FROM ANY OF THE EXISTING CORRIDOR SMOKE DETECTORS. PROVIDE DUCT DETECTOR FOR SMOKE DAMPER PER DETAIL -/--

PLAN NOTES (X)

208	PROVIDE MICROPHONE JACK AND AUX INPUT FOR SOUND SYSTEM. SEE SPECIFICATIONS.
210	LOCATE DEVICES BEHIND WALL MOUNTED MEDIA DEVICE. VERIFY LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
211	PROVIDE WALL MOUNT TRANSFORMER PER DETAIL 5/E801
241	PROVIDE 120V CONNECTION TO MOTORIZED DOOR OPERATOR. PROVIDE ALL WIRING FROM OPERATOR PUSH BUTTON. PROVIDE ROUGH-IN AS SPECIFIED BY SUPPLIER. MOUNT PUSH BUTTON AT 40" AFF TO CENTER.
306	PROVIDE TYPE 4 POKE-THRU FLOOR BOX. PROVIDE 3/4" CONDUIT FOR POWER. SEE SPECIFICATIONS.
315	COORDINATE BEST LOCATION OF SOUND SYSTEM OUTLETS WITH OWNER PRIOR TO ROUGH-IN.



LOWER LEVEL PLAN - AREA B - POWER
1/8" = 1'-0"



KEY PLAN

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209 south water street, milwaukee, wisconsin 53204 t 414.359.3060
2310 crossroads drive, suite 2000, madison, wisconsin 53718 t 608.249.9900
2700 ash street, suite 2600, palo alto, california 94306 t 650.391.1900
230 industrial boulevard, suite 101, austin, texas 78745 t 512.851.1900
327 E 4th street, suite 204, waterloo, iowa 50703 t 319.233.1183

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CB09	BP2	03/16/26
CB14	BP2	05/29/26
CB16	BP2	06/26/26
CB21	BP2	10/02/26

LOWER LEVEL PLAN - AREA B - POWER

CONSTRUCTION DOCUMENTS
BID PACKAGE: 2
DATE: 10-23-2025
JOB NO: 230028-02
SHEET NO: E211P

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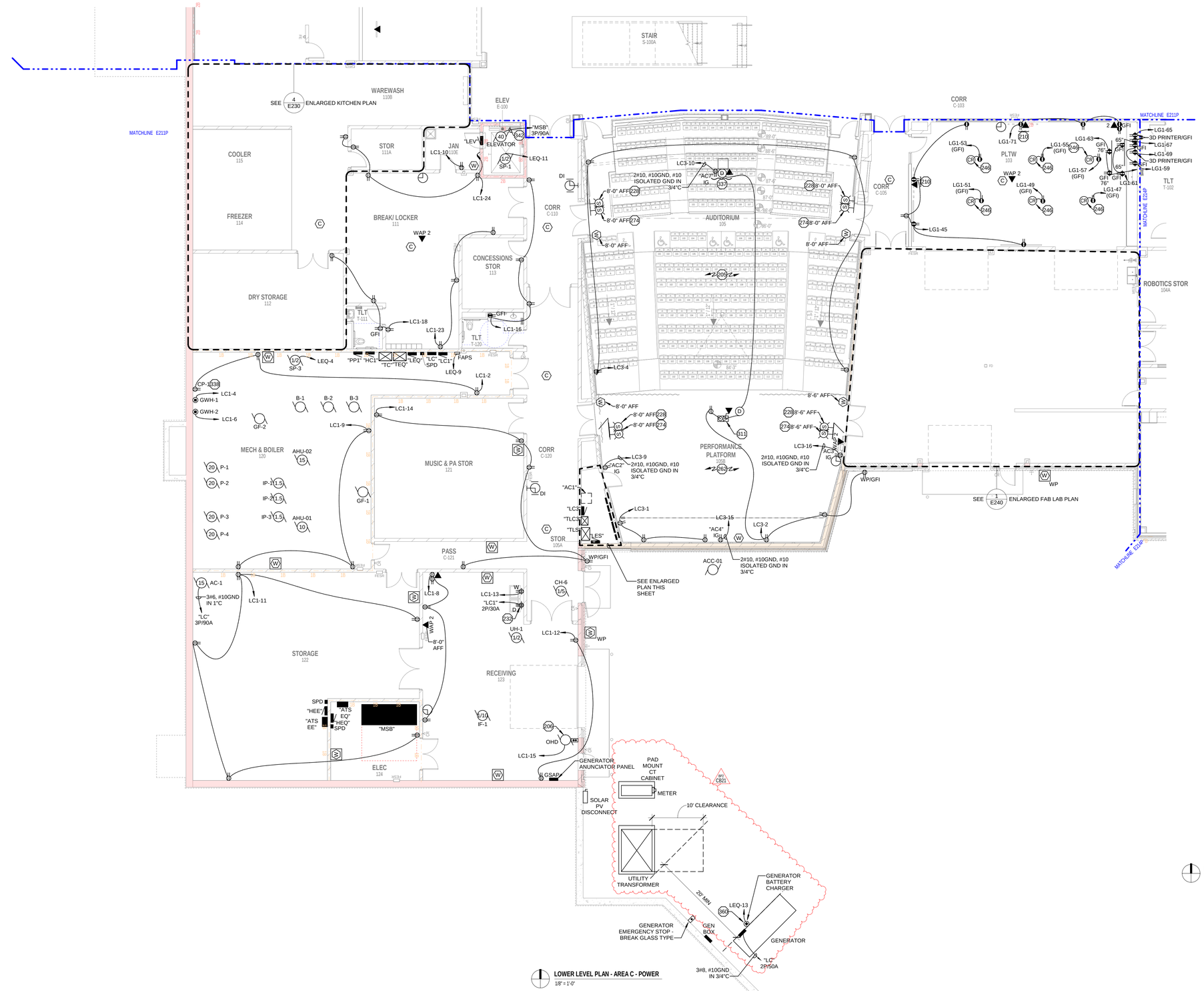
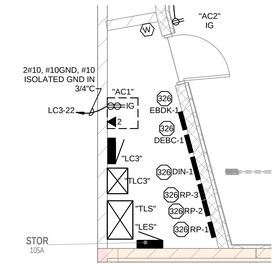


GENERAL NOTES

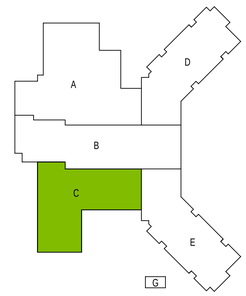
1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL 7/E800.
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL 2/E800.
3. CONFIRM EXACT LOCATION OF ALL OUTLETS WITH OWNER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) TO BE ROUGHED-IN BEHIND UNIT. CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN. CONFIRM RECEPTACLE OR DIRECT CONNECTION.
5. ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
6. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.
7. RECEPTACLES INSTALLED IN ENCLOSED OFFICES, CONFERENCE ROOMS, ROOMS FOR COPY/PRINT FUNCTIONS, BREAKROOMS, CLASSROOMS, AND INDIVIDUAL WORKSTATIONS SHALL HAVE AUTOMATIC RECEPTACLE CONTROL PER IECC SECTION 405.11. RECEPTACLES SHALL HAVE AUTOMATIC RECEPTACLE CONTROL BY MEANS OF OCCUPANCY SENSOR IN ROOM.
8. CONNECT ALL DIGITAL CLOCKS TO NEAREST CORRIDOR 120V RECEPTACLE CIRCUIT.
9. SEE AV SERIES AND QT SERIES (AV AND THEATRICAL LIGHTING) DRAWINGS FOR ADDITIONAL WORK REQUIRED.

PLAN NOTES (X)

205	ALL RACEWAYS INCLUDING THOSE REQUIRED FOR WORK SHOWN ON AUDITORIUM SYSTEM DRAWINGS, THEATRICAL RIGGING DRAWINGS, AND THEATRICAL LIGHTING DRAWINGS AT WALLS OF AUDITORIUM SHALL BE ROUTED INSIDE WALLS AND CONCEALED.
206	PROVIDE ELECTRICAL CONNECTION TO OVERHEAD DOOR. MOUNT AND WIRE ALL CONTROLS. SEE DETAIL 4/E800
210	LOCATE DEVICES BEHIND WALL MOUNTED MEDIA DEVICE. VERIFY LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
228	PROVIDE WIRING FROM GREEN STROBE LIGHT TO PUBLIC ADDRESS RACK. STROBE LIGHT TO ACTIVATE WHEN A PUBLIC ADDRESS IS MADE IN THIS ROOM. STROBE LIGHT IS PROVIDED BY PUBLIC ADDRESS VENDOR. WALL MOUNT AT 80" AFF. COORDINATE BEST LOCATION IN ROOM WITH OWNER PRIOR TO ROUGH-IN.
232	WIRE WITH 3#10, #10GND IN 3/4"C. PROVIDE NEMA 14-30 DRYER RECEPTACLE.
246	PROVIDE LAY-IN CEILING CORD REEL WITH GFCI RECEPTACLE PER DETAIL 2/E801
262	ALL WALL MOUNT DEVICES ON PERFORMANCE PLATFORM TO BE BLACK.
274	PROVIDE WIRING FROM BLUE STROBE LIGHT TO KEYLESS ENTRY PANEL. STROBE LIGHT TO ACTIVATE WHEN THE LOCKDOWN BUTTON IS PRESSED. STROBE LIGHT IS PROVIDED BY KEYLESS ENTRY VENDOR. WALL MOUNT AT 80" AFF. COORDINATE BEST LOCATION IN ROOM WITH OWNER PRIOR TO ROUGH-IN.
311	PROVIDE TYPE 3 FLOOR BOX. PROVIDE 3/4" CONDUIT FOR POWER, 1" CONDUIT FOR DATA, AND 1" CONDUIT FOR HDMI. SEE SPECIFICATIONS.
326	EQUIPMENT PROVIDED BY MAINSTAGE. SEE MAINSTAGE DRAWINGS FOR MORE INFORMATION.
337	FLUSH MOUNT DEVICES IN CMJ WALL PLATE FOR AV FURNISHED AND INSTALLED WALL MOUNT PROJECTOR. VERIFY EXACT LOCATION WITH AV CONTRACTOR PRIOR TO INSTALLATION. SEE DETAIL 4/E802
338	CONFIRM WITH PLUMBING CONTRACTOR WHETHER EQUIPMENT PLUGS INTO STANDARD RECEPTACLE OR IS WIRED WITH DIRECT CONNECTION.
342	SEE ONE-LINE DIAGRAM FOR WIRE SIZE.
360	GENERATOR LOAD CENTER PROVIDED WITH GENERATOR. PROVIDE ELECTRICAL FEEDER AS INDICATED.



ENLARGED STOR 105A
1/4" = 1'-0"



KEY PLAN

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230 industrial boulevard, suite 101, austin, texas 78745 | 512.261.1900
3276 4th street, suite 204, waterloo, iowa 50703 | 319.233.1183

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CB10	BP2	04/02/26
CB11	BP2	04/16/26
CB14	BP2	05/29/26
CB16	BP2	06/26/26
CB21	BP2	10/02/26

LOWER LEVEL PLAN - AREA C - POWER

CONSTRUCTION DOCUMENTS
BID PACKAGE: 2
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SHEET NO: E212P

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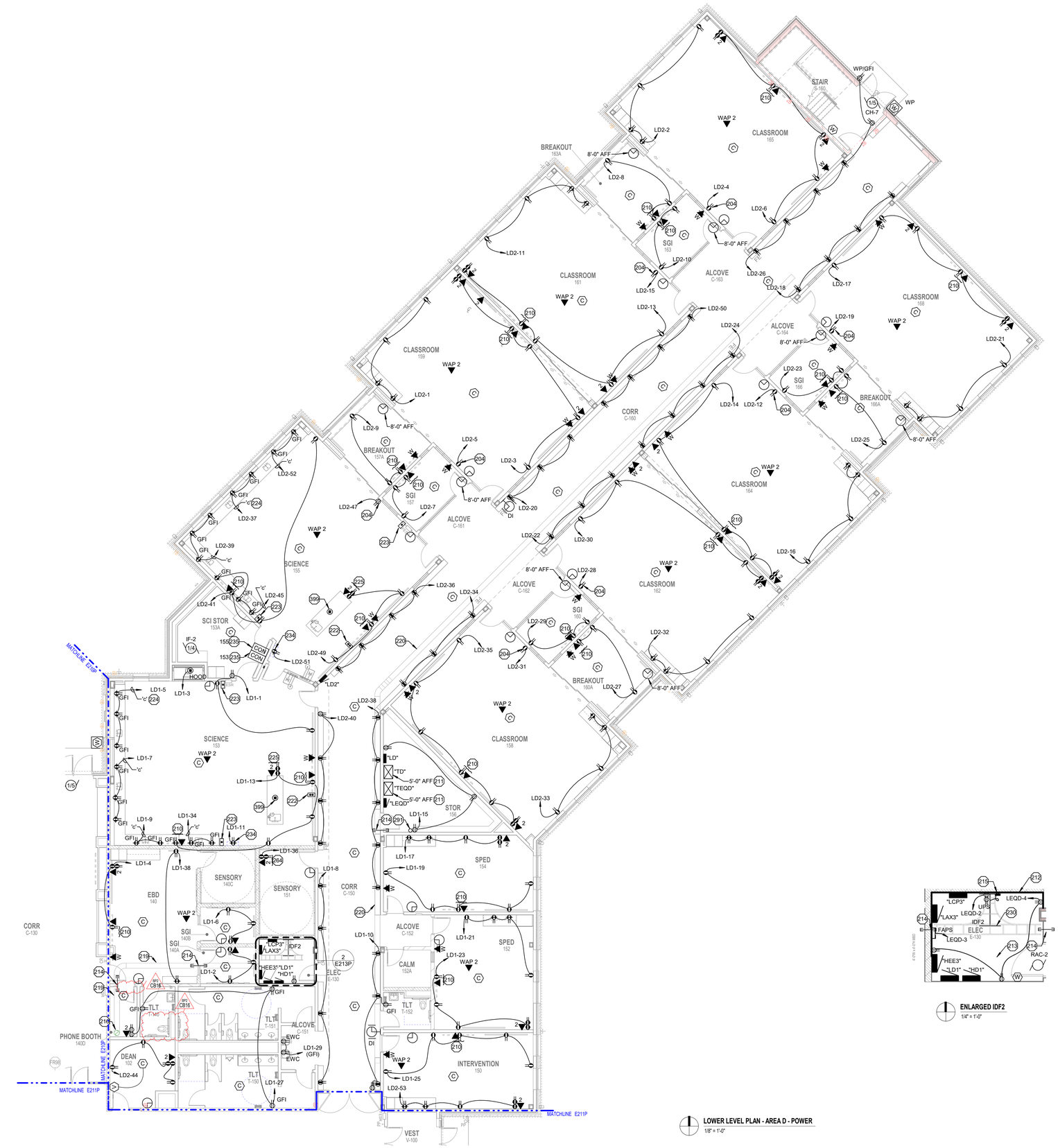
GENERAL NOTES

1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL 7/E800.
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL 2/E800.
3. CONFIRM EXACT LOCATION OF ALL OUTLETS WITH OWNER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) TO BE ROUGHED-IN BEHIND UNIT. CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN. CONFIRM RECEPTACLE OR DIRECT CONNECTION.
5. ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
6. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.
7. ALL RECEPTACLES MOUNTED ABOVE LOCKERS IN CORRIDORS SHALL BE MOUNTED AT 48" AFF TO CENTER.
8. RECEPTACLES INSTALLED IN ENCLOSED OFFICES, CONFERENCE ROOMS, ROOMS FOR COPY/PRINT FUNCTIONS, BREAKROOMS, CLASSROOMS, AND INDIVIDUAL WORKSTATIONS SHALL HAVE AUTOMATIC RECEPTACLE CONTROL PER IECC SECTION 405.11. RECEPTACLES SHALL HAVE AUTOMATIC RECEPTACLE CONTROL BY MEANS OF OCCUPANCY SENSOR IN ROOM.
9. CONNECT ALL DIGITAL CLOCKS TO NEAREST CORRIDOR 120V RECEPTACLE CIRCUIT.

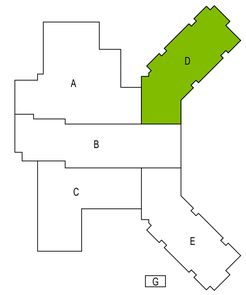
PLAN NOTES (X)

204	LOCATION FOR CHROMEBOOK CHARGING. LABEL RECEPTACLE "COMPUTER CHARGING".
210	LOCATE DEVICES BEHIND WALL MOUNTED MEDIA DEVICE. VERIFY LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
211	PROVIDE WALL MOUNT TRANSFORMER PER DETAIL 5/E801
212	PROVIDE 4'X8'X3/4" FIRE RETARDANT PAINTED (WHITE) PLYWOOD BACKING ON WALLS AT LOCATION SHOWN ON THIS PLAN.
213	PROVIDE LADDER CABLE TRAY PER DETAIL 3/E400
214	PROVIDE 4" EMT CONDUIT STUBS THROUGH WALL FOR ROUTING DATA CABLING. PROVIDE INSULATED BUSHING ON EACH END. PROVIDE 50% SPARE CAPACITY FOR FUTURE CABLING.
215	TELECOMMUNICATIONS GROUND BAR (TGB), SEE DETAIL 2/E400
216	4" EMT CONDUIT STUBS THROUGH FLOOR FOR ROUTING DATA CABLING TO UPPER LEVEL. PROVIDE INSULATED BUSHINGS ON EACH END. PROVIDE 50% SPARE CAPACITY FOR FUTURE CABLING.
219	PROVIDE WIRE BASKET CABLE TRAY ABOVE ACCESSIBLE CEILING FOR ROUTING DATA CABLING. COORDINATE ROUTING WITH OTHER TRADES.
220	PROVIDE WIRE BASKET CABLE TRAY ABOVE ACCESSIBLE CEILING SPANNING MINIMUM 20' OF CORRIDOR WIDTH MEASURED FROM LOCATION OF CONDUIT STUB.
222	SCIENCE EMERGENCY POWER AND GAS CONTROL MASTER KEY "ON" MUSHROOM "OFF" BUTTON STATION, SEE DETAIL 8/E800
223	SCIENCE EMERGENCY POWER AND GAS CONTROL REMOTE MUSHROM PUSHBUTTON "OFF" STATION, SEE DETAIL 8/E800
224	'c' INDICATES CIRCUIT TO BE ROUTED THROUGH SHUTDOWN CONTRACTOR, TYPICAL OF ALL.
225	FLUSH MOUNT DEVICES IN CASEWORK. COORDINATE INSTALLATION WITH CASEWORK SUPPLIER.
230	PROVIDE 2-POST DATA RACK PER DETAIL 6/E802
234	PROVIDE RECEPTACLE FOR GOGGLE STORAGE CABINET. VERIFY FINAL LOCATION OF ELECTRICAL ROUGH-IN BEHIND CABINET PRIOR TO INSTALLATION.
235	MOUNT SHUT DOWN CONTACTOR FOR POWER AND GAS SOLENOID IN METAL ENCLOSURE. LABEL "POWER AND GAS SHUTDOWN CONTACTOR". SEE DETAIL 8/E800
264	PROVIDE REMOVABLE PLASTIC OUTLET COVER OVER EACH DEVICE.
291	4" EMT CONDUIT STUBS THROUGH FLOOR FOR ROUTING DATA CABLING TO UPPER LEVEL AREA D EAST OF CORRIDOR. PROVIDE INSULATED BUSHINGS ON EACH END. PROVIDE 50% SPARE CAPACITY FOR FUTURE CABLING.
399	PROVIDE WIRING TO GAS SOLENOID VALVE FOR EMERGENCY GAS SHUTDOWN IN SCIENCE LAB. PROVIDE POWER FROM NEAREST 120V RECEPTACLE CIRCUIT TO POWER SOLENOID. SEE DETAIL 8/E800



LOWER LEVEL PLAN - AREA D - POWER
1/8" = 1'-0"

ENLARGED IDF2
1/4" = 1'-0"



KEY PLAN

209 south water street, milwaukee, wisconsin 53204 t 414 339 3060
2310 crossroads drive, suite 2000, madison, wisconsin 53718 t 608 249 9900
1 park plaza, suite 600, omaha, nebraska 68114 t 531 281 1900
220 individual hockey court, suite 101, austin, texas 78745 t 512 851 1900
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CB16	BP2	06/26/26

LOWER LEVEL PLAN - AREA D - POWER

CONSTRUCTION DOCUMENTS
BID PACKAGE: 2
DATE: 10-23-2025
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LOWER LEVEL PLAN - AREA E - POWER
1/8" = 1'-0"

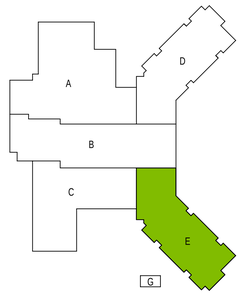
ENLARGED MDF
1/4" = 1'-0"

GENERAL NOTES

1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL 7/E800.
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL 2/E800.
3. CONFIRM EXACT LOCATION OF ALL OUTLETS IN OFFICES AND IMC WITH OWNER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) TO BE ROUGHED-IN BEHIND UNIT. CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN. CONFIRM RECEPTACLE OR DIRECT CONNECTION.
5. ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
6. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.
7. ALL RECEPTACLES MOUNTED ABOVE LOCKERS IN CORRIDORS SHALL BE MOUNTED AT 48" AFF TO CENTER.
8. RECEPTACLES INSTALLED IN ENCLOSED OFFICES, CONFERENCE ROOMS, ROOMS FOR COPY/PRINT FUNCTIONS, BREAKROOMS, CLASSROOMS, AND INDIVIDUAL WORKSTATIONS SHALL HAVE AUTOMATIC RECEPTACLE CONTROL PER IECC SECTION 405.11. RECEPTACLES SHALL HAVE AUTOMATIC RECEPTACLE CONTROL BY MEANS OF OCCUPANCY SENSOR IN ROOM.
9. CONNECT ALL DIGITAL CLOCKS TO NEAREST CORRIDOR 120V RECEPTACLE CIRCUIT.

PLAN NOTES (X)

150	ALL WIRING THIS ROOM TO BE INSTALLED IN CONDUIT. NO EXPOSED WIRE TO INCLUDE ALL LOW VOLTAGE CABLING.
200	TRANSFORMER TO BE CEILING HUNG FROM STRUCTURE VIA STEEL SPANNING BETWEEN BEAMS. PROVIDE CEILING MOUNT BRACKETS TO MOUNT AT HEIGHT SHOWN ON PLAN.
204	LOCATION FOR CHROMEBOOK CHARGING. LABEL RECEPTACLE "COMPUTER CHARGING".
210	LOCATE DEVICES BEHIND WALL MOUNTED MEDIA DEVICE. VERIFY LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
211	PROVIDE WALL MOUNT TRANSFORMER PER DETAIL
212	PROVIDE 4'X8'X3/4" FIRE RETARDANT PAINTED (WHITE) PLYWOOD BACKING ON WALLS AT LOCATION SHOWN ON THIS PLAN.
213	PROVIDE LADDER CABLE TRAY PER DETAIL
214	PROVIDE 4" EMT CONDUIT STUBS THROUGH WALL FOR ROUTING DATA CABLING. PROVIDE INSULATED BUSHING ON EACH END. PROVIDE 50% SPARE CAPACITY FOR FUTURE CABLING.
215	TELECOMMUNICATIONS GROUND BAR (TGB), SEE DETAIL
216	4" EMT CONDUIT STUBS THROUGH FLOOR FOR ROUTING DATA CABLING TO UPPER LEVEL. PROVIDE INSULATED BUSHINGS ON EACH END. PROVIDE 50% SPARE CAPACITY FOR FUTURE CABLING.
218	3" CONDUIT STUB INTO MDF ROOM FOR INCOMING FIBER OPTIC SERVICE. SEE SITE PLAN FOR LOCATION OF FIBER OPTIC QUAZITE BOX.
219	PROVIDE WIRE BASKET CABLE TRAY ABOVE ACCESSIBLE CEILING FOR ROUTING DATA CABLING. COORDINATE ROUTING WITH OTHER TRADES. 6/E802
229	PROVIDE 4-POST DATA RACK PER DETAIL
230	PROVIDE 2-POST DATA RACK PER DETAIL
232	WIRE WITH 3#10, #10GND IN 3/4"C. PROVIDE NEMA 14-30 DRYER RECEPTACLE.
241	PROVIDE 120V CONNECTION TO MOTORIZED DOOR OPERATOR. PROVIDE ALL WIRING FROM OPERATOR PUSH BUTTON. PROVIDE ROUGH-IN AS SPECIFIED BY SUPPLIER. MOUNT PUSH BUTTON AT 40" AFF TO CENTER.
245	PROVIDE 120V ELECTRICAL CONNECTION TO CHANGING TABLE. VERIFY EXACT LOCATION OF CONNECTION & WHETHER RECEPTACLE OR DIRECT CONNECTION PRIOR TO ROUGH-IN. 3/E801
246	PROVIDE LAY-IN CEILING CORD REEL WITH GFCI RECEPTACLE PER DETAIL
247	PROVIDE OPEN CEILING CORD REEL WITH GFCI RECEPTACLE PER DETAIL
264	PROVIDE REMOVABLE PLASTIC OUTLET COVER OVER EACH DEVICE.
270	MOUNT RECEPTACLES HORIZONTALLY DIRECTLY ABOVE BACKSPLASH BELOW BOTTOM OF MARKER BOARD ELEVATION.
271	CORD REELS THIS SPACE TO BE MOUNTED TO JOISTS.
272	PROVIDE DIRECT CONNCETION TO GARBAGE DISPOSAL UNIT BY OTHERS.
275	MOUNT RECEPTACLES HORIZONTALLY BETWEEN BACKSPLASH AND BOTTOM OF WINDOW SILL.
293	4" EMT CONDUIT STUBS THROUGH FLOOR FOR ROUTING DATA CABLING TO UPPER LEVEL AREA E EAST OF CORRIDOR. PROVIDE INSULATED BUSHINGS ON EACH END. PROVIDE 50% SPARE CAPACITY FOR FUTURE CABLING.
358	WIRE WITH 2#10, #10GND IN 3/4"C.



KEY PLAN

209 south water street, milwaukee, wisconsin 53204 t 414.359.3060
2310 crossroads drive, suite 2000, madison, wisconsin 53718 t 608.249.9900
2 riverway, suite 750, houston, texas 77056 t 832.241.1900
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LOWER LEVEL PLAN - AREA E - POWER

CONSTRUCTION DOCUMENTS
BID PACKAGE: 2
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JOB NO: 230028-02
SHEET NO: E214P

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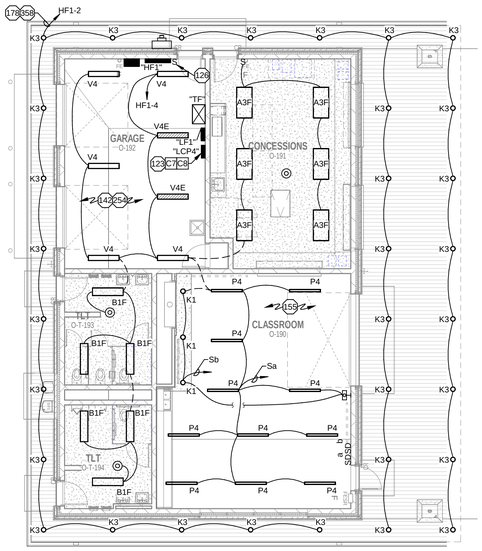
GENERAL NOTES - LIGHTING

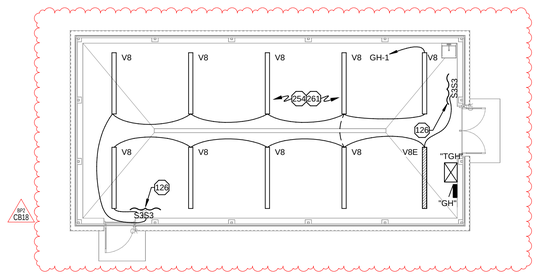
1. ALL LIGHTING FIXTURES IN MECHANICAL ROOMS SHALL BE LAID OUT ON SITE AND DETERMINED BY THE MECHANICAL EQUIPMENT IN ROOM.
2. SHADED FIXTURE (▨) INDICATES FIXTURE CONNECTED TO EMERGENCY/NIGHT LIGHT CIRCUIT.
3. IN ROOMS WITH OCCUPANCY SENSOR, GENERAL ILLUMINATION IN ROOM SHALL BE CONTROLLED BY SENSOR. CONTRACTOR TO DETERMINE BEST LOCATION FOR SENSOR IN FIELD WITH MANUFACTURER. SEE DETAIL 1/E800.
4. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED LIGHT FIXTURES.
5. IN ROOMS WHERE TWO OR MORE LIGHTING OCCUPANCY SENSORS ARE SHOWN, ALL SENSORS TO BE ONE ZONE UNLESS NOTED OTHERWISE.
6. SEE POWER PLANS FOR ADDITIONAL OCCUPANCY SENSOR POWER PACKS FOR EACH CIRCUIT SHOWN WITH SWITCHED RECEPTACLES CONTROLLED VIA LIGHTING OCCUPANCY SENSORS WITHIN THE ROOMS.

PLAN NOTES - LIGHTING (X)

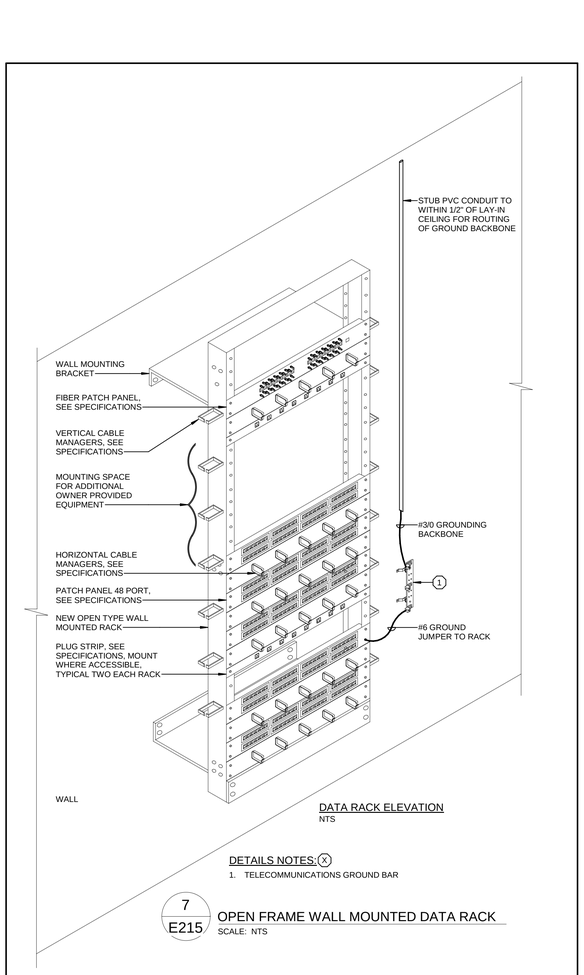
123	EXTERIOR LIGHTING CONTROL PANEL"LCP4" PER DETAIL 1/E802.
126	PROVIDE WEATHERPROOF SWITCH COVERS FOR LIGHT SWITCHES.
142	LIGHTING FIXTURES THIS SPACE TO BE AIRCRAFT CABLE MOUNTED AT 10'-0" AFF TO THE TOP OF FIXTURE.
155	MOUNT PENDANT FIXTURES THIS SPACE 9'-6" AFF TO BOTTOM VIA AIRCRAFT CABLE.
178	ROUTE THIS CIRCUIT THROUGH CONTACTOR "C8" PHOTOCELL ON, TIMECLOCK OFF. SEE DETAIL 1/E802



LOWER LEVEL PLAN - AREA F - LIGHTING
1/8" = 1'-0"



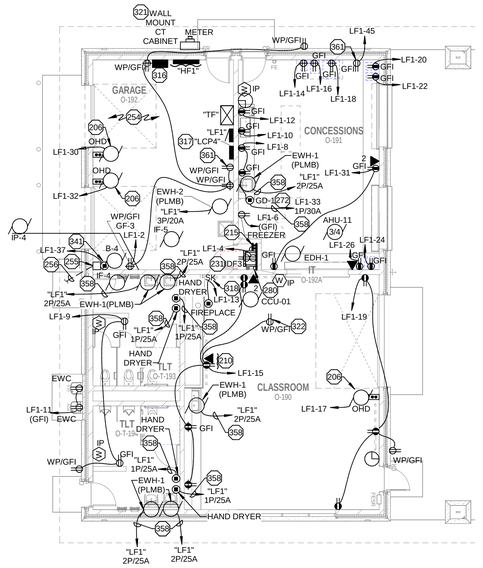
LOWER LEVEL PLAN - AREA G - LIGHTING
1/8" = 1'-0"



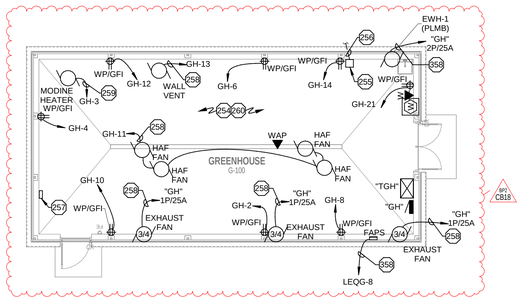
DATA RACK ELEVATION
NTS

DETAILS NOTES: (X)
1. TELECOMMUNICATIONS GROUND BAR

7 / E215 OPEN FRAME WALL MOUNTED DATA RACK
SCALE: NTS



LOWER LEVEL PLAN - AREA F - POWER
1/8" = 1'-0"



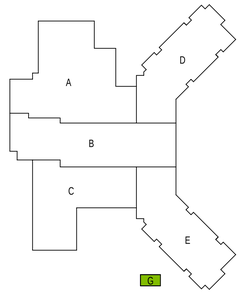
LOWER LEVEL PLAN - AREA G - POWER
1/8" = 1'-0"

GENERAL NOTES - POWER

1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL 7/E800.
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL 2/E800.
3. CONFIRM EXACT LOCATION OF ALL OUTLETS WITH OWNER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) TO BE ROUGHED-IN BEHIND UNIT. CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN. CONFIRM RECEPTACLE OR DIRECT CONNECTION.
5. ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
6. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.

PLAN NOTES - POWER (X)

206	PROVIDE ELECTRICAL CONNECTION TO OVERHEAD DOOR. MOUNT AND WIRE ALL CONTROLS. SEE DETAIL 4/E800
210	LOCATE DEVICES BEHIND WALL MOUNTED MEDIA DEVICE. VERIFY LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
215	TELECOMMUNICATIONS GROUND BAR (TGB), SEE DETAIL 2/E400
231	PROVIDE OPEN WALL MOUNT DATA RACK PER DETAIL 7/E215
254	ALL DEVICES, FIXTURES, CONDUIT, AND FITTINGS TO BE WEATHERPROOF AND WATERTIGHT. HAREDWARE TO BE STAINLES STEEL. VERIFY EXACT REQUIREMENTS WITH GREENHOUSE SUPPLIER.
255	12" X 12" X 12" PVC JUNCTION BOX FOR PUBLIC ADDRESS & FIRE ALARM.
256	UNDERGROUND CONDUIT TO MIDDLE SCHOOL BUILDING. SEE SITE PLAN FOR ROUTING.
257	MICRO GROW PROCOM CONTROLLER.
258	CONTROL THIS CIRCUIT THROUGH MICRO GROW PROCOM CONTROLLER.
259	PROVIDE CONTROL WIRING FROM MODINE HEATER TO MICRO GROW PROCOM CONTROLLER.
260	COORDINATE LOCATIONS OF ALL GREENHOUSE EQUIPMENT WITH SUPPLIER AND OTHER TRADES PRIOR TO ROUGH-IN.
261	CABLE SUSPEND FIXTURES IN GREENHOUSE TO STRUCTURAL MEMBER OF GREENHOUSE TRUSSES. USE STAINLESS STEEL CABLE.
272	PROVIDE DIRECT CONNCETION TO GARBAGE DISPOSAL UNIT BY OTHERS.
280	STUB 2" CONDUIT FOR FIBER OPTIC CABLE IN CORNER OF DATA ROOM. SEE SITE PLAN FOR CONTINUATION OF CONDUIT ROUTING TO MIDDLE SCHOOL.
316	DEDICATED WALL SPACE FOR FUTURE MUSCO LIGHTING CONTROL PANEL.
317	MOUNT LIGHTING CONTROL PANEL IN NEMA 4 ENCLOSURE.
318	PROVIDE SWITCH TO CONTROL FIREPLACE. COORDINATE BEST LOCATION WITH OWNER PRIOR TO ROUGH-IN.
321	FIELD-CUT NEW STONE SILL AS NEEDED TO ALLOW CONDUIT TO RUN UNINTERRUPTED UP FACE OF WALL, INTO NEW CT CABINET.
322	PROVIDE WP/GFI RECEPTACLE MOUNTED TO ROOF.
341	PROVIDE 120V 20-AMP CIRCUIT FOR RADIANT FLOOR SYSTEM. COORDINATE EXACT LOCATION OF ELECTRICAL CONNECTION WITH HVAC CONTRACTOR PRIOR TO ROUGH-IN.
358	WIRE WITH 2#10, #10GND IN 3/4"C.
361	PROVIDE RECEPTACLE RECESSED IN WALL UP HIGH FOR NEW WALL MOUNT FAN. FAN TO PLUG INTO OUTLET. COORDINATE EXACT LOCATION AND HEIGHT OF OUTLET WITH OWNER PRIOR TO ROUGH-IN.



KEY PLAN

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220 east college avenue, appleton, wisconsin 54911 | 920.841.1900
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LOWER LEVEL PLAN - AREAS F & G - LIGHTING & POWER

CONSTRUCTION DOCUMENTS
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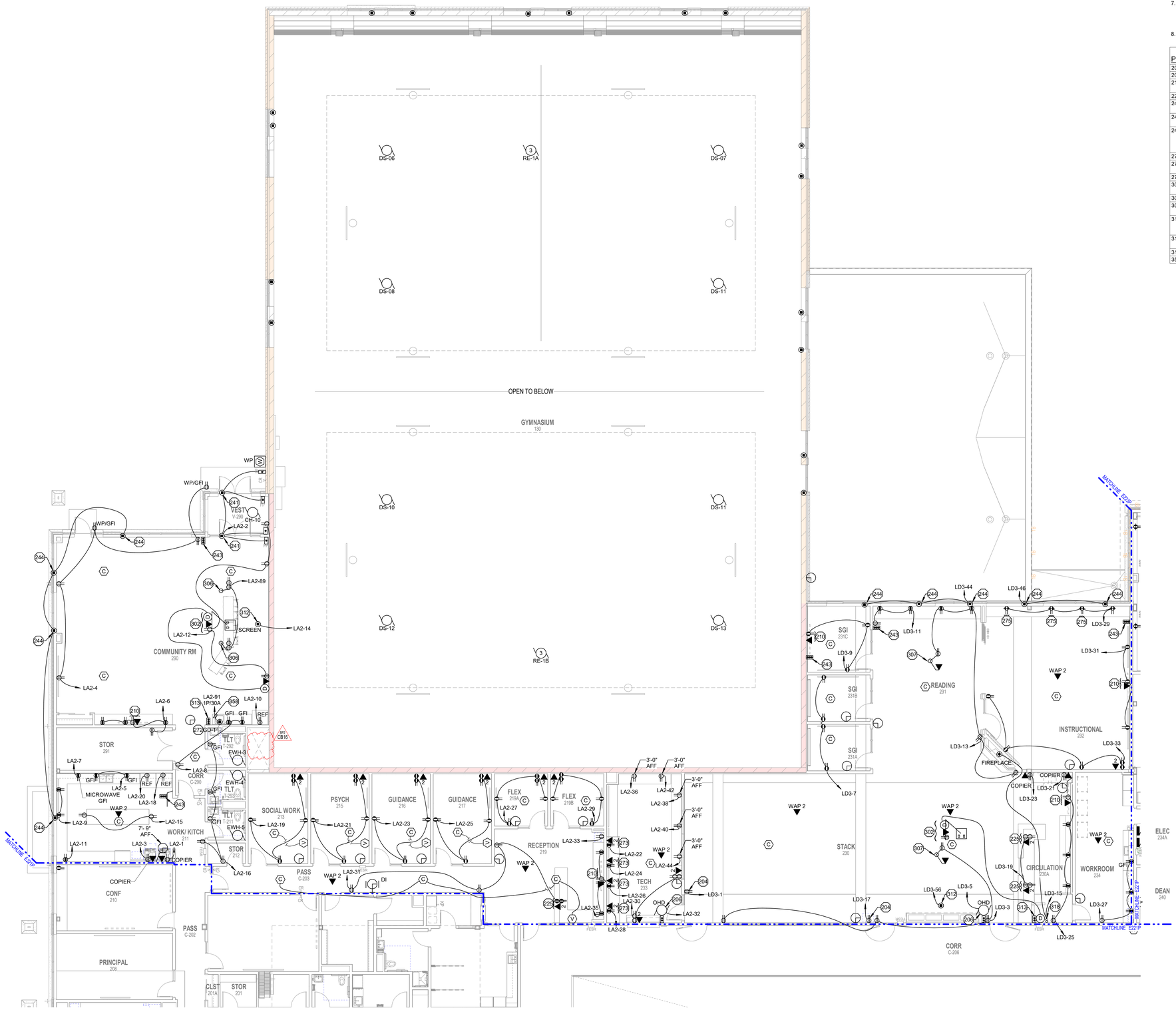


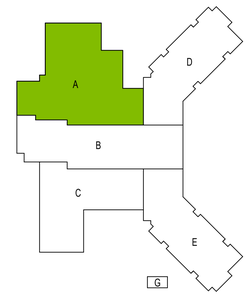
UPPER LEVEL PLAN - AREA A - POWER
1/8" = 1'-0"

GENERAL NOTES

1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL 7/E800.
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL 2/E800.
3. CONFIRM EXACT LOCATION OF ALL OUTLETS IN OFFICES AND IMC WITH OWNER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) TO BE ROUGHED-IN BEHIND UNIT. CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN. CONFIRM RECEPTACLE OR DIRECT CONNECTION.
5. ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
6. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.
7. RECEPTACLES INSTALLED IN ENCLOSED OFFICES, CONFERENCE ROOMS, ROOMS FOR COPY/PRINT FUNCTIONS, BREAKROOMS, CLASSROOMS, AND INDIVIDUAL WORKSTATIONS SHALL HAVE AUTOMATIC RECEPTACLE CONTROL PER IECC SECTION 405.11. RECEPTACLES SHALL HAVE AUTOMATIC RECEPTACLE CONTROL BY MEANS OF OCCUPANCY SENSOR IN ROOM.
8. CONNECT ALL DIGITAL CLOCKS TO NEAREST CORRIDOR 120V RECEPTACLE CIRCUIT.

PLAN NOTES (X)

204	LOCATION FOR CHROMEBOOK CHARGING. LABEL RECEPTACLE "COMPUTER CHARGING".
206	PROVIDE ELECTRICAL CONNECTION TO OVERHEAD DOOR. MOUNT AND WIRE ALL CONTROLS. SEE DETAIL
210	LOCATE DEVICES BEHIND WALL MOUNTED MEDIA DEVICE. VERIFY LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
225	FLUSH MOUNT DEVICES IN CASEWORK. COORDINATE INSTALLATION WITH CASEWORK SUPPLIER.
241	PROVIDE 120V CONNECTION TO MOTORIZED DOOR OPERATOR. PROVIDE ALL WIRING FROM OPERATOR PUSH BUTTON. PROVIDE ROUGH-IN AS SPECIFIED BY SUPPLIER. MOUNT PUSH BUTTON AT 40" AFF TO CENTER.
243	INSTALL UP/STOP/DN SWITCH FOR MOTORIZED SHADES, SUPPLIED BY SHADE SUPPLIER. COORDINATE BEST LOCATION FOR MOTORIZED SHADE SWITCH WITH OWNER PRIOR TO ROUGH-IN.
244	PROVIDE CONNECTION TO MOTORIZED SHADES. VERIFY EXACT LOACTION AND REQUIREMENTS WITH SHADE SUPPLIER AND ON-SITE ARCHITECT PRIOR TO ROUGH-IN. WIRE ALL CONTROLS. VERIFY SHADE MOTOR CONNECTIONS WITH SHADE SUPPLIER. ALL WIRING TO BE CONCEALED INSIDE WALLS. COORDINATE INSTALLATION WITH SHADE SUPPLIER.
272	PROVIDE DIRECT CONNCETION TO GARBAGE DISPOSAL UNIT BY OTHERS.
273	MOUNT RECEPTACLES AND DATA JACKS HORIZONTALLY DIRECTLY ABOVE TOP OF COUNTER BELOW BOTTOM OF MARKER BOARD ELEVATION.
275	MOUNT RECEPTACLES HORIZONTALLY BETWEEN BACKSPLASH AND BOTTOM OF WINDOW SILL.
302	FLUSH MOUNT DEVICES IN CMJ CEILING PLATE FOR OWNER FURNISHED AND INSTALLED CEILING MOUNTED PROJECTOR. VERIFY EXACT LOCATION WITH OWNER PROJECTION EQUIPMENT. SEE DETAIL 4/E802
306	PROVIDE TYPE 4 POKE-THRU FLOOR BOX. PROVIDE 3/4" CONDUIT FOR POWER. SEE SPECIFICATIONS.
307	PROVIDE TYPE 4 POKE-THRU FLOOR BOX. PROVIDE 3/4" CONDUIT FOR POWER AND 1" CONDUIT FOR DATA. SEE SPECIFICATIONS.
312	PROVIDE ELECTRICAL CONNECTION TO MOTORIZED SCREEN. VERIFY EXACT ELECTRICAL CONNECTION AND LOCATION WITH SUPPLIER PRIOR TO ROUGH-IN. PROVIDE WIRING AS REQUIRED BETWEEN CONTROL STATION LOCATION AND SCREEN MOTOR.
313	PROVIDE WALL MOUNTED RAISE/LOWER SWITCH FOR MOTORIZED SCREEN. COORDINATE BEST LOCATION IN ROOM WITH OWNER PRIOR TO ROUGH-IN.
318	PROVIDE SWITCH TO CONTROL FIREPLACE. COORDINATE BEST LOCATION WITH OWNER PRIOR TO ROUGH-IN.
358	WIRE WITH 2#10, #10GND IN 3/4"C.



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CB16	BP2	06/26/26

UPPER LEVEL PLAN - AREA A - POWER

CONSTRUCTION DOCUMENTS
BID PACKAGE: 2
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SHEET NO: E220P

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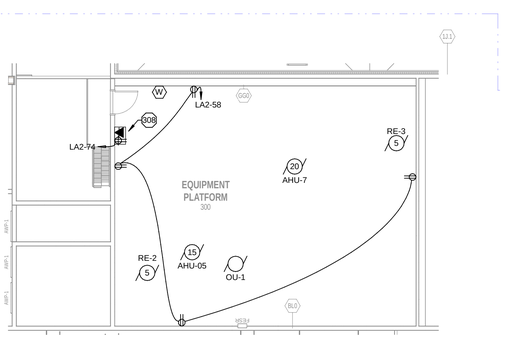
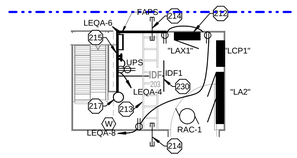
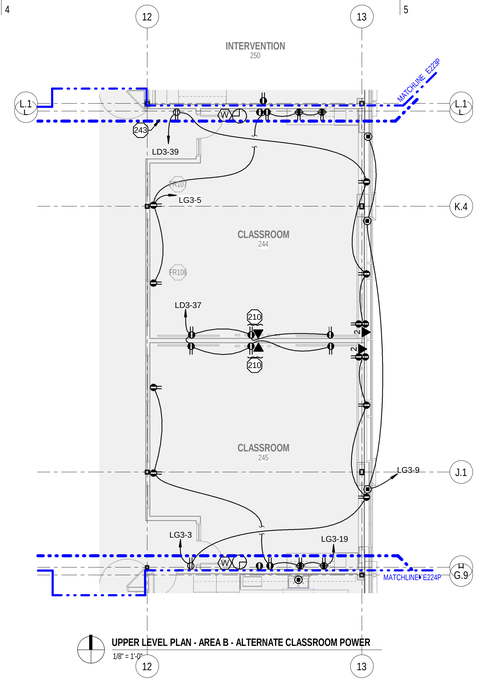


MECH MEZZ 300 - POWER
1/8" = 1'-0"



ENLARGED IDF1
1/4" = 1'-0"



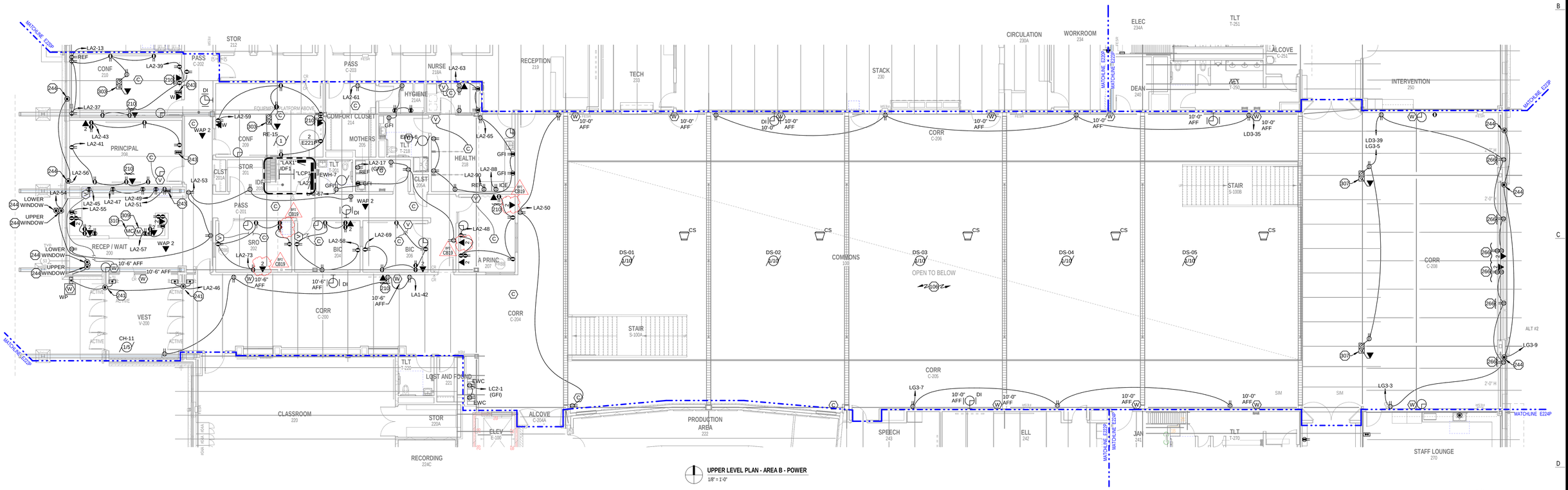
UPPER LEVEL PLAN - AREA B - ALTERNATE CLASSROOM POWER
1/8" = 1'-0"

GENERAL NOTES

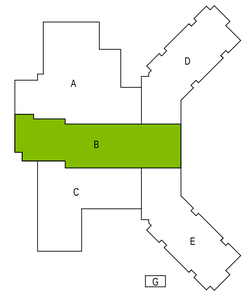
1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL 7/E800.
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL 2/E800.
3. CONFIRM EXACT LOCATION OF ALL OUTLETS IN OFFICES AND IMC WITH OWNER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) TO BE ROUGHED-IN BEHIND UNIT. CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN. CONFIRM RECEPTACLE OR DIRECT CONNECTION.
5. ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
6. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.
7. RECEPTACLES INSTALLED IN ENCLOSED OFFICES, CONFERENCE ROOMS, ROOMS FOR COPY/PRINT FUNCTIONS, BREAKROOMS, CLASSROOMS, AND INDIVIDUAL WORKSTATIONS SHALL HAVE AUTOMATIC RECEPTACLE CONTROL PER IECC SECTION 405.11. RECEPTACLES SHALL HAVE AUTOMATIC RECEPTACLE CONTROL BY MEANS OF OCCUPANCY SENSOR IN ROOM.
8. CONNECT ALL DIGITAL CLOCKS TO NEAREST CORRIDOR 120V RECEPTACLE CIRCUIT.

PLAN NOTES (X)

106	ALL WIRING AT EXPOSED STRUCTURE ABOVE COMMONS TO BE CONCEALED IN EPIC DECKING SPANNING NORTH TO SOUTH ACCROSS COMMONS SPACE. NO EXPOSED CONDUIT ALLOWED IN THIS AREA. COORDINATE FINAL CONDUIT ROUTING WITH EPIC DECK CONFIGURATION TO FULLY CONCEAL ALL CONDUIT. WIRE ROUTED ACCROSS THIS SPACE TO BE ROUTED ABOVE LOWER LEVEL CEILING TILE BELOW WALKWAY.
210	LOCATE DEVICES BEHIND WALL MOUNTED MEDIA DEVICE. VERIFY LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
212	PROVIDE 4'X8'X3/4" FIRE RETARDANT PAINTED (WHITE) PLYWOOD BACKING ON WALLS AT LOCATION SHOWN ON THIS PLAN.
213	PROVIDE LADDER CABLE TRAY PER DETAIL 3/E400
214	PROVIDE 4" EMT CONDUIT STUBS THROUGH WALL FOR ROUTING DATA CABLING. PROVIDE INSULATED BUSHING ON EACH END. PROVIDE 50% SPARE CAPACITY FOR FUTURE CABLING.
215	TELECOMMUNICATIONS GROUND BAR (TGB), SEE DETAIL 2/E400
217	4" EMT CONDUIT STUBS THROUGH FLOOR FOR ROUTING DATA CABLING TO LOWER LEVEL. PROVIDE INSULATED BUSHINGS ON EACH END. PROVIDE 50% SPARE CAPACITY FOR FUTURE CABLING.
230	PROVIDE 2-POST DATA RACK PER DETAIL 6/E802
241	PROVIDE 120V CONNECTION TO MOTORIZED DOOR OPERATOR. PROVIDE ALL WIRING FROM OPERATOR PUSH BUTTON. PROVIDE ROUGH-IN AS SPECIFIED BY SUPPLIER. MOUNT PUSH BUTTON AT 42" AFF TO CENTER.
243	INSTALL UP/STOP/DN SWITCH FOR MOTORIZED SHADES, SUPPLIED BY SHADE SUPPLIER. COORDINATE BEST LOCATION FOR MOTORIZED SHADE SWITCH WITH OWNER PRIOR TO ROUGH-IN.
244	PROVIDE CONNECTION TO MOTORIZED SHADES. VERIFY EXACT LOACTION AND REQUIREMENTS WITH SHADE SUPPLIER AND ON-SITE ARCHITECT PRIOR TO ROUGH-IN. WIRE ALL CONTROLS. VERIFY SHADE MOTOR CONNECTIONS WITH SHADE SUPPLIER. ALL WIRING TO BE CONCEALED INSIDE WALLS. COORDINATE INSTALLATION WITH SHADE SUPPLIER.
266	FLUSH MOUNT DEVICES HORIZONTALLY IN KNEE WALL SECTION AT TOP OF WALL SECTION AS HIGH UP AS POSSIBLE. KNEE WALL SECTION CONCEALING HVAC FIN TUBES BEHIND. COORDINATE EXACT LOCATIONS FOR INSTALLATION AND FINAL CONDUIT ROUTING WITH FIN TUBE LOCATIONS PRIOR TO ROUGH-IN.
303	PROVIDE TYPE 5 FLOOR BOX. PROVIDE 3/4" CONDUIT FOR POWER, 1" CONDUIT FOR DATA. SEE SPECIFICATIONS.
307	PROVIDE TYPE 4 POKE-THRU FLOOR BOX. PROVIDE 3/4" CONDUIT FOR POWER AND 1" CONDUIT FOR DATA. SEE SPECIFICATIONS.
308	PROVIDE POWER AND DATA FOR NEW CLOCK CONTROLLER. PROVIDE SHELF AT 3'-6" TO PLACE CONTROLLER WITH OUTLETS MOUNTED DIRECTLY ABOVE SHELF.
309	OUTLET FOR DESK MOUNTED MICROPHONE TO BE USED FOR STUDENT ANNOUNCEMENTS. WIRE TO PUBLIC ADDRESS RACK. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
310	PUBLIC ADDRESS MASTER PHONE OUTLET. WIRE TO PUBLIC ADDRESS RACK. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.



UPPER LEVEL PLAN - AREA B - POWER
1/8" = 1'-0"



KEY PLAN

209 south water street, milwaukee, wisconsin 53204 t 414.359.3060
2310 crossroads drive, suite 2000, madison, wisconsin 53718 t 608.240.9900
1 park plaza, suite 1000, kansas city, missouri 64116 t 816.221.1900
230 industrial boulevard, suite 101, austin, texas 78745 t 512.851.1900
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CB16	BP2	06/26/26
CB19	BP2	08/14/26

UPPER LEVEL PLAN - AREA B - POWER

CONSTRUCTION DOCUMENTS
BID PACKAGE: 2
DATE: 10-23-2025
JOB NO: 230028-02
SHEET NO: E221P

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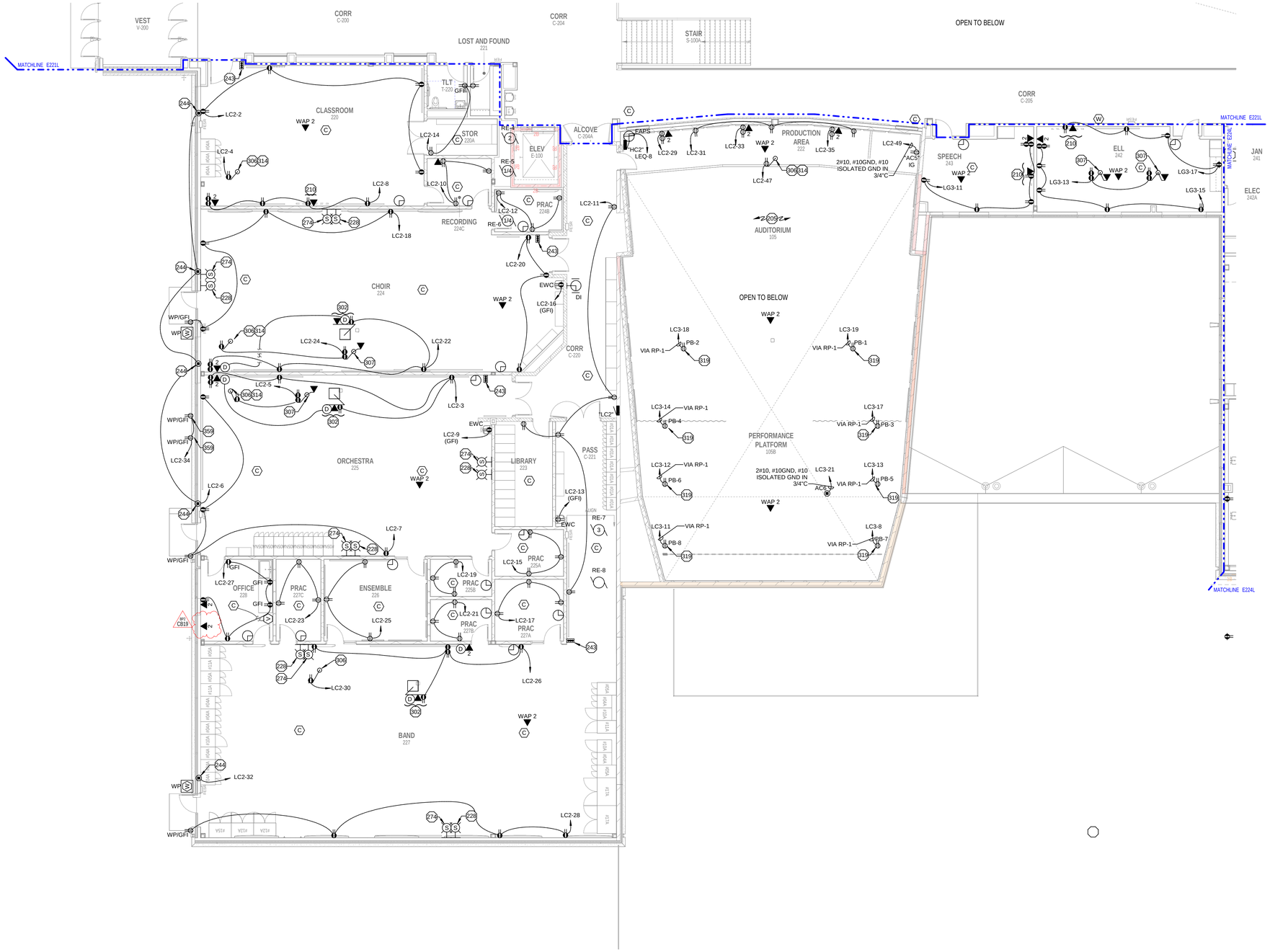


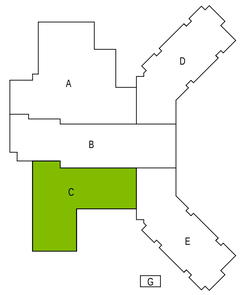
UPPER LEVEL PLAN - AREA C - POWER
1/8" = 1'-0"

GENERAL NOTES

1. PROVIDE EXTERIOR RECEPTACLES PER DETAIL 7/E800.
2. ALL CONDUITS STUBBED OUT OF BUILDING SHALL BE DONE PER DETAIL 2/E800.
3. CONFIRM EXACT LOCATION OF ALL OUTLETS IN OFFICES AND IMC WITH OWNER PRIOR TO ROUGH-IN.
4. ALL RECEPTACLES FOR ELECTRIC WATER COOLERS (EWC) TO BE ROUGHED-IN BEHIND UNIT. CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN. CONFIRM RECEPTACLE OR DIRECT CONNECTION.
5. ALL RECEPTACLES MOUNTED WITHIN 6 FEET OF SINKS SHALL BE GFI TYPE.
6. ALL LOW VOLTAGE CABLING IN AREAS WITH EXPOSED STRUCTURE SHALL BE IN CONDUIT.
7. RECEPTACLES INSTALLED IN ENCLOSED OFFICES, CONFERENCE ROOMS, ROOMS FOR COPY/PRINT FUNCTIONS, BREAKROOMS, CLASSROOMS, AND INDIVIDUAL WORKSTATIONS SHALL HAVE AUTOMATIC RECEPTACLE CONTROL PER IECC SECTION 405.11. RECEPTACLES SHALL HAVE AUTOMATIC RECEPTACLE CONTROL BY MEANS OF OCCUPANCY SENSOR IN ROOM.
8. CONNECT ALL DIGITAL CLOCKS TO NEAREST CORRIDOR 120V RECEPTACLE CIRCUIT.
9. SEE AV SERIES AND QT SERIES (AV AND THEATRICAL LIGHTING) DRAWINGS FOR ADDITIONAL WORK REQUIRED.

PLAN NOTES (X)

205	ALL RACEWAYS INCLUDING THOSE REQUIRED FOR WORK SHOWN ON AUDITORIUM SYSTEM DRAWINGS, THEATRICAL RIGGING DRAWINGS, AND THEATRICAL LIGHTING DRAWINGS AT WALLS OF AUDITORIUM SHALL BE ROUTED INSIDE WALLS AND CONCEALED.
210	LOCATE DEVICES BEHIND WALL MOUNTED MEDIA DEVICE. VERIFY LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
228	PROVIDE WIRING FROM GREEN STROBE LIGHT TO PUBLIC ADDRESS RACK. STROBE LIGHT TO ACTIVATE WHEN A PUBLIC ADDRESS IS MADE IN THIS ROOM. STROBE LIGHT IS PROVIDED BY PUBLIC ADDRESS VENDOR. WALL MOUNT AT 80" AFF. COORDINATE BEST LOCATION IN ROOM WITH OWNER PRIOR TO ROUGH-IN.
243	INSTALL UP/STOP/DN SWITCH FOR MOTORIZED SHADES, SUPPLIED BY SHADE SUPPLIER. COORDINATE BEST LOCATION FOR MOTORIZED SHADE SWITCH WITH OWNER PRIOR TO ROUGH-IN.
244	PROVIDE CONNECTION TO MOTORIZED SHADES. VERIFY EXACT LOACTION AND REQUIREMENTS WITH SHADE SUPPLIER AND ON-SITE ARCHITECT PRIOR TO ROUGH-IN. WIRE ALL CONTROLS. VERIFY SHADE MOTOR CONNECTIONS WITH SHADE SUPPLIER. ALL WIRING TO BE CONCEALED INSIDE WALLS. COORDINATE INSTALLATION WITH SHADE SUPPLIER.
274	PROVIDE WIRING FROM BLUE STROBE LIGHT TO KEYLESS ENTRY PANEL. STROBE LIGHT TO ACTIVATE WHEN THE LOCKDOWN BUTTON IS PRESSED. STROBE LIGHT IS PROVIDED BY KEYLESS ENTRY VENDOR. WALL MOUNT AT 80" AFF. COORDINATE BEST LOCATION IN ROOM WITH OWNER PRIOR TO ROUGH-IN.
302	FLUSH MOUNT DEVICES IN CMJ CEILING PLATE FOR OWNER FURNISHED AND INSTALLED CEILING MOUNTED PROJECTOR. VERIFY EXACT LOCATION WITH OWNER PROJECTION EQUIPMENT. SEE DETAIL 4/E802
306	PROVIDE TYPE 4 POKE-THRU FLOOR BOX. PROVIDE 3/4" CONDUIT FOR POWER. SEE SPECIFICATIONS.
307	PROVIDE TYPE 4 POKE-THRU FLOOR BOX. PROVIDE 3/4" CONDUIT FOR POWER AND 1" CONDUIT FOR DATA. SEE SPECIFICATIONS.
314	COORDINATE BEST LOCATION OF FLOOR BOX WITH OWNER PRIOR TO ROUGH-IN.
319	PROVIDE TWIST LOCK RECEPTACLE CONNECTOR FOR CONNECTION TO THEATRICAL RIGGING EQUIPMENT. CONFIRM EXACT LOCATION OF DEVICE WITH THEATRICAL INSTALLER.
359	MOUNT BEHIND FINAL DETERMINED LOCATION OF COOLER & FREEZER CONDENSORS ON ACCESSIBLE EXTERIOR WALL SPACE.



KEY PLAN

209 south water street, milwaukee, wisconsin 53204 t 414.369.9060
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1 park plaza, suite 1000, kansas city, missouri 64116 t 816.221.1900
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CB14	BP2	05/29/26
CB16	BP2	06/26/26
CB19	BP2	08/14/26

UPPER LEVEL PLAN - AREA C - POWER

CONSTRUCTION DOCUMENTS
BID PACKAGE: 2
DATE: 10-23-2025
JOB NO: 230028-02
SHEET NO: E222P

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GENERAL NOTES

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7. ALL RECEPTACLES MOUNTED ABOVE LOCKERS IN CORRIDORS SHALL BE MOUNTED AT 48" AFF TO CENTER.
8. RECEPTACLES INSTALLED IN ENCLOSED OFFICES, CONFERENCE ROOMS, ROOMS FOR COPY/PRINT FUNCTIONS, BREAKROOMS, CLASSROOMS, AND INDIVIDUAL WORKSTATIONS SHALL HAVE AUTOMATIC RECEPTACLE CONTROL PER IECC SECTION 405.11. RECEPTACLES SHALL HAVE AUTOMATIC RECEPTACLE CONTROL BY MEANS OF OCCUPANCY SENSOR IN ROOM.
9. CONNECT ALL DIGITAL CLOCKS TO NEAREST CORRIDOR 120V RECEPTACLE CIRCUIT.

PLAN NOTES (X)

204	LOCATION FOR CHROMEBOOK CHARGING. LABEL RECEPTACLE "COMPUTER CHARGING".
210	LOCATE DEVICES BEHIND WALL MOUNTED MEDIA DEVICE. VERIFY LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
214	PROVIDE 4" EMT CONDUIT STUBS THROUGH WALL FOR ROUTING DATA CABLING. PROVIDE INSULATED BUSHING ON EACH END. PROVIDE 50% SPARE CAPACITY FOR FUTURE CABLING.
217	4" EMT CONDUIT STUBS THROUGH FLOOR FOR ROUTING DATA CABLING TO LOWER LEVEL. PROVIDE INSULATED BUSHINGS ON EACH END. PROVIDE 50% SPARE CAPACITY FOR FUTURE CABLING.
219	PROVIDE WIRE BASKET CABLE TRAY ABOVE ACCESSIBLE CEILING FOR ROUTING DATA CABLING. COORDINATE ROUTING WITH OTHER TRADES.
222	SCIENCE EMERGENCY POWER AND GAS CONTROL MASTER KEY "ON" MUSHROOM "OFF" BUTTON STATION, SEE DETAIL 8/E800
223	SCIENCE EMERGENCY POWER AND GAS CONTROL REMOTE MUSHROM PUSHBUTTON "OFF" STATION, SEE DETAIL 8/E800
224	'c' INDICATES CIRCUIT TO BE ROUTED THROUGH SHUTDOWN CONTRACTOR, TYPICAL OF ALL.
225	FLUSH MOUNT DEVICES IN CASEWORK. COORDINATE INSTALLATION WITH CASEWORK SUPPLIER.
234	PROVIDE RECEPTACLE FOR GOGGLE STORAGE CABINET. VERIFY FINAL LOCATION OF ELECTRICAL ROUGH-IN BEHIND CABINET PRIOR TO INSTALLATION.
235	MOUNT SHUT DOWN CONTACTOR FOR POWER AND GAS SOLENOID IN METAL ENCLOSURE. LABEL "POWER AND GAS SHUTDOWN CONTACTOR". SEE DETAIL 8/E800
237	FIELD COORDINATE BEST LOCATION FOR SHUT DOWN CONTACTORS IN WALL TO BEST FIT BETWEEN PLUMBING PIPING AND ELECTRICAL CONDUITS.
291	4" EMT CONDUIT STUBS THROUGH FLOOR FOR ROUTING DATA CABLING TO UPPER LEVEL AREA D EAST OF CORRIDOR. PROVIDE INSULATED BUSHINGS ON EACH END. PROVIDE 50% SPARE CAPACITY FOR FUTURE CABLING.
295	NO EXPOSED WIRE OR CONDUIT ALLOWED CROSSING CORRIDOR SECTION. THIS INCLUDES ALL LOW VOLTAGE CABLING. ROUTE ALL WIRE AND CONDUIT UNDERGROUND TO AVOID CROSSING CORRIDOR. DATA CABLING ON THIS PLAN TO BE ROUTED IN CABLE TRAY ON EACH END OF CORRIDOR AS INDICATED.
296	ROUTE ALL DATA CABLING SERVING THIS ROOM ABOVE LOWER LEVEL CEILING. STUB UP INTO THIS ROOM TO SERVE DATA NEEDS.
399	PROVIDE WIRING TO GAS SOLENOID VALVE FOR EMERGENCY GAS SHUTDOWN IN SCIENCE LAB. PROVIDE POWER FROM NEAREST 120V RECEPTACLE CIRCUIT TO POWER SOLENOID. SEE DETAIL 8/E800

UPPER LEVEL PLAN - AREA D - POWER
1/8" = 1'-0"

MECH MEZZ 301 - POWER
1/8" = 1'-0"

KEY PLAN

209 south water street, milwaukee, wisconsin 53204 t 414 339 3060
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2 riverway, suite 1100, houston, texas 77056 t 281 251 1900
230 individualized lane, suite 101, austin, texas 78745 t 512 851 1900
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CB14	BP2	05/29/26
CB15	BP2	06/12/26
CB16	BP2	06/26/26

UPPER LEVEL PLAN - AREA D - POWER

CONSTRUCTION DOCUMENTS
BID PACKAGE: 2
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JOB NO: 230028-02
SHEET NO: E223P

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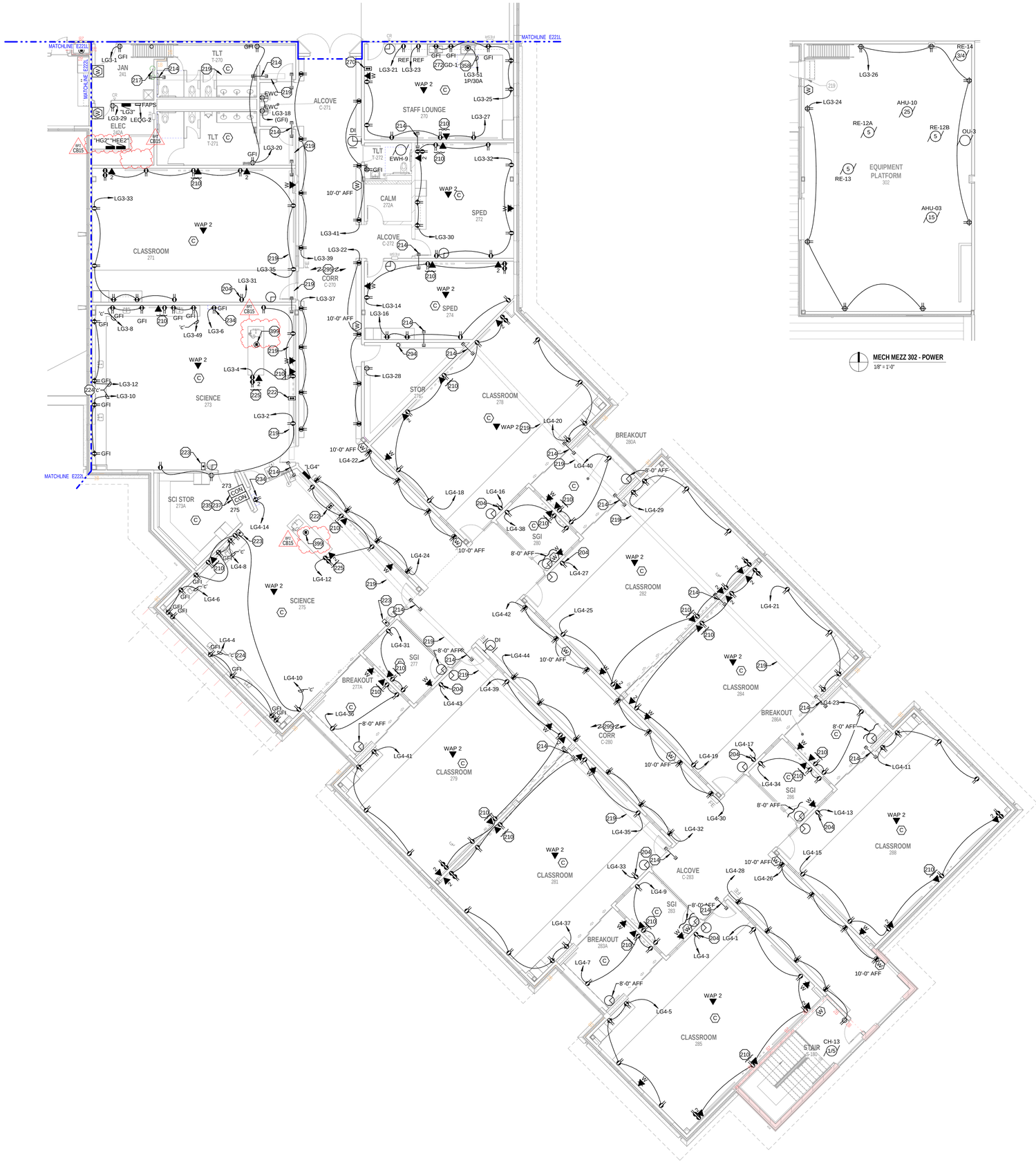

UPPER LEVEL PLAN - AREA E - POWER
1/8" = 1'-0"

MECH MEZZ 302 - POWER
1/8" = 1'-0"

GENERAL NOTES

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PLAN NOTES (X)

204	LOCATION FOR CHROMEBOOK CHARGING. LABEL RECEPTACLE "COMPUTER CHARGING".
210	LOCATE DEVICES BEHIND WALL MOUNTED MEDIA DEVICE. VERIFY LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
214	PROVIDE 4" EMT CONDUIT STUBS THROUGH WALL FOR ROUTING DATA CABLING. PROVIDE INSULATED BUSHING ON EACH END. PROVIDE 50% SPARE CAPACITY FOR FUTURE CABLING.
217	4" EMT CONDUIT STUBS THROUGH FLOOR FOR ROUTING DATA CABLING TO LOWER LEVEL. PROVIDE INSULATED BUSHINGS ON EACH END. PROVIDE 50% SPARE CAPACITY FOR FUTURE CABLING.
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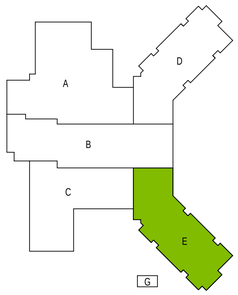
225	FLUSH MOUNT DEVICES IN CASEWORK. COORDINATE INSTALLATION WITH CASEWORK SUPPLIER.
234	PROVIDE RECEPTACLE FOR GOGGLE STORAGE CABINET. VERIFY FINAL LOCATION OF ELECTRICAL ROUGH-IN BEHIND CABINET PRIOR TO INSTALLATION.
235	MOUNT SHUT DOWN CONTACTOR FOR POWER AND GAS SOLENOID IN METAL ENCLOSURE. LABEL "POWER AND GAS SHUTDOWN CONTACTOR". SEE DETAIL 8/E800
237	FIELD COORDINATE BEST LOCATION FOR SHUT DOWN CONTACTORS IN WALL TO BEST FIT BETWEEN PLUMBING PIPING AND ELECTRICAL CONDUITS.
270	MOUNT RECEPTACLES HORIZONTALLY DIRECTLY ABOVE BACKSPLASH BELOW BOTTOM OF MARKER BOARD ELEVATION.
272	PROVIDE DIRECT CONNCETION TO GARBAGE DISPOSAL UNIT BY OTHERS.
294	4" EMT CONDUIT STUBS THROUGH FLOOR FOR ROUTING DATA CABLING BETWEEN UPPER LEVEL AREA E EAST OF CORRIDOR AND LOWER LEVEL. PROVIDE INSULATED BUSHINGS ON EACH END. PROVIDE 50% SPARE CAPACITY FOR FUTURE CABLING.
295	NO EXPOSED WIRE OR CONDUIT ALLOWED CROSSING CORRIDOR SECTION. THIS INCLUDES ALL LOW VOLTAGE CABLING. ROUTE ALL WIRE AND CONDUIT UNDERGROUND TO AVOID CROSSING CORRIDOR. DATA CABLING ON THIS PLAN TO BE ROUTED IN CABLE TRAY ON EACH END OF CORRIDOR AS INDICATED.
358	WIRE WITH 2#10, #10GND IN 3/4"C.
399	PROVIDE WIRING TO GAS SOLENOID VALVE FOR EMERGENCY GAS SHUTDOWN IN SCIENCE LAB. PROVIDE POWER FROM NEAREST 120V RECEPTACLE CIRCUIT TO POWER SOLENOID. SEE DETAIL 8/E800



KEY PLAN

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2310 crossroads drive, suite 2000, madison, wisconsin 53718 f 608.249.9900
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CB10	BP2	04/02/26
CB11	BP2	04/16/26
CB13	BP2	05/07/26
CB14	BP2	05/29/26
CB15	BP2	06/12/26

UPPER LEVEL PLAN - AREA E - POWER

CONSTRUCTION DOCUMENTS
BID PACKAGE: 2
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SHEET NO: E224P

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Any questions and responses will be entered into the following file

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