GENERAL DEMOLITION NOTES

A. PROVIDE ALL ELECTRICAL DEMOLITION WORK REQUIRED TO INSTALL THE WORK INDICATED. REMOVE, REROUTE, AND RECONNECT ALL BRANCH CIRCUITS THAT WILL REMAIN IN USE BUT INTERFERES WITH THE WORK.

B. REMOVE ALL EXISTING CONDUITS THAT WILL NOT BE REUSED AND WHERE THEY WILL BE EXPOSED AFTER COMPLETION. ABANDON ALL OTHERS IN THE WALLS ONLY. DISCONNECT ALL WIRING INDICATED AND/OR REQUIRED TO BE REMOVED FROM ALL POWER SOURCES. REMOVE ALL WIRING FROM ABANDONED CONDUITS AND PROVIDE BLANK COVER PLATES FOR BOXES NOT UTILIZED FOR THE WORK.

C. MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN OR PORTIONS THEREOF AFFECTED BY THE WORK.

D. BEFORE DEMOLITION, VERIFY WITH THE OWNER ALL EQUIPMENT TO BE SALVAGED TO OWNER AND NOT REMOVED FROM THE SITE. FOR ALL REMAINING EQUIPMENT INDICATED FOR REMOVAL (AND NOT RELOCATED), REMOVE AND DISPOSE IN A LEGAL MANNER.

E. EXERCISE CARE IN REMOVING DEMOLITION ITEMS. REPAIR OR REPLACE ALL DAMAGE CAUSED TO EXISTING CONSTRUCTION AND EQUIPMENT TO REMAIN.

F. DRAWINGS ARE BASED UPON EXISTING PLANS AND FIELD INVESTIGATION WITHOUT DEMOLITION. VISIT THE EXISTING BUILDING AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND EXAMINE ALL DRAWINGS TO AVOID CONFLICTS.

G. WHERE DEMOLITION OF TELECOMMUNICATIONS DEVICES OCCUR, REMOVE CABLING NOT INDICATED TO REMAIN BACK TO POINT OF ORIGIN.

H. DEMOLITION FLOOR PLANS ARE PROVIDED FOR REFERENCE ONLY TO AID IN DEFINING THE SCOPE OF DEMOLITION WORK.

DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	REMOVE DEVICES, EQUIPMENT, IN ACCORDANCE WITH THE GENERAL DEMOLITION NOTES.
	DEVICES ARE EXISTING TO REMAIN.
	WITHIN HATCHED AREAS, DISCONNECT AND REMOVE ALL ELECTRICAL MATERIALS INCLUDING BUT NOT LIMITED TO LIGHTS, DEVICES, EQUIPMENT, SPEAKERS, FIRE ALARM, COMMUNICATIONS, AND CIRCUITRY.

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. FOLLOW MOUNTING HEIGHTS INDICATED IN THE ELECTRICAL LEGEND UNLESS OTHERWISE INDICATED, INCLUDING ON ARCHITECTURAL ELEVATIONS. MEASURE ALL MOUNTING HEIGHTS FROM THE DEVICE CENTER LINE UNLESS OTHERWISE INDICATED.

C. FIELD VERIFY EXACT FEEDER LOCATIONS FOR MECHANICAL EQUIPMENT PRIOR TO ROUGH-IN.

D. EQUIPMENT CONNECTIONS ARE INDICATED IN THEIR APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS OF ALL CONNECTIONS WITH OTHER TRADES SUPPLYING EQUIPMENT TO AVOID CONFLICTS AT INSTALLATION.

E. LOCATED ALL SWITCHES FOR LOCAL CONTROL OF LIGHTING ON STRIKE SIDE OF SINGLE DOORS UNLESS OTHERWISE INDICATED.

F. PROVIDE SPECIFIC BREAKER ARRANGEMENT FOR THE PANEL BOARDS WHEREVER PHYSICALLY POSSIBLE. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPE WRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT.

G. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPEWRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. HAND WRITTEN SCHEDULES ARE NOT ACCEPTABLE.

H. ALL CONDUIT RUNS INDICATED ARE DIAGRAMMATIC. COORDINATE ROUTING IN ALL SPACES WITH OTHER TRADES.

I. ALL PANELBOARDS INDICATED ARE HOUSED IN A SINGLE WIDTH ENCLOSURE, UNO. THE CONTRACTOR SHALL FIELD VERIFY ROOM LAYOUT AND ADJUST ACCORDINGLY, AT NO COST TO THE OWNER, IF PROVIDING ANY PANELBOARD ENCLOSURES.

J. WHERE POWER AND COMMUNICATION OUTLETS ARE INDICATED IN CLOSE PROXIMITY ON THE DRAWINGS, FIELD COORDINATE THE LOCATIONS TO PLACE THE OUTLETS ADJACENT TO EACH OTHER.

K. ALL EXTERIOR RECEPTACLES SHALL BE LABELED "WR" - WEATHER RESISTANT.

L. WHEN GROUPING MULTIPLE LINE TO NEUTRAL BRANCH CIRCUITS IN A CONDUIT, PROVIDE DEDICATED COLOR CODED NEUTRAL CONDUCTORS FOR EACH CIRCUIT. DO NOT USE BREAKER TIES AND SHARED NEUTRALS EVEN THOUGH PERMITTED BY NEC.

M. PROVIDE A 2' WIDE YELLOW LINE PAINTED ON THE FLOOR INDICATING THE ELECTRICAL WORKING SPACE. IN FRONT OF ALL ELECTRICAL PANELS IN ELECTRICAL ROOMS. REFER TO PLANS FOR ELECTRICAL WORKING SPACE DETAILS. STENCIL "NO STORAGE" IN 2" HIGH, YELLOW LETTERS CENTERED IN THE OUTLINED AREA.

N. REFER TO STRUCTURAL DRAWINGS FOR ALL CONDUIT REQUIREMENTS BEING PLACED IN CMU WALL.

O. IF MECHANICAL PRODUCTS ARE PROVIDED WITH DIFFERENT ELECTRICAL REQUIREMENTS THAN THE CONTRACT DOCUMENTS, IT IS INCUMBENT UPON THE GENERAL CONTRACTOR AND THE SUBCONTRACTORS TO COORDINATE THESE CHANGES, AT NO ADDITIONAL COST TO THE OWNER, AS A REQUIREMENT OF THE CONTRACT DOCUMENTS. COORDINATE AND UPDATE THE ELECTRICAL CONNECTIONS BASED ON THE CHANGES DUE TO THE PROVIDED EQUIPMENT AND USE THE RFI PROCESS TO HAVE THE SUGGESTED CHANGE APPROVED BY THE DESIGN TEAM PRIOR TO PROCEEDING. RECORD THE APPROVED CHANGES ON THE AS-BUILT DRAWINGS PER THE TERMS OF THE CONTRACT DOCUMENTS.

P. ALL RECEPTACLES SHALL BE TAMPER-RESISTANT.

POWER DEVICE / EQUIPMENT LEGEND

SYMBOL	DESCRIPTION
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE THREE IN DETAIL:
	NON-FUSIBLE DISCONNECT SWITCH.
	FUSIBLE DISCONNECT SWITCH.
	ENCLOSED CIRCUIT BREAKER. CHARACTERISTICS AS INDICATED.
NOTE:	MOUNT THE FOLLOWING DEVICES AS NOTED:
F	FLUSH VALVE TRANSFORMER POWER CONNECTION. PROVIDE A 4"X4" RECESSED JB AND MOUNT POWER SUPPLY PROVIDED BY DIV 22. COORDINATE CONNECTION WITH DIV 22. PROVIDE A 2"X4" JB AT EACH TOILET, SINK AND WATER CLOSET AS RECOMMENDED BY THE MANUFACTURER. PROVIDE 2 #14 IN 1/2"C "DAISY CHAINED" BETWEEN UP TO EIGHT BOXES AND TERMINATING AT POWER SUPPLY.
V	ISOLATION VALVE. REFER TO ISOLATION VALVE CONTROL DETAIL ON DRAWING E4 SERIES DRAWING.
EC	EQUIPMENT POWER CONNECTION.
J	JUNCTION BOX, CONCEALED ABOVE CEILING, UNO.
J	JUNCTION BOX, WALL MOUNTED. MOUNTING HEIGHT AS INDICATED ON PLANS.
M	POWER FOR DIV 23 MOTORIZED DAMPER. REFER TO DIVISION 23 DRAWINGS FOR LOCATIONS AND QUANTITY.
	NON-METALLIC SURFACE RACEWAY, DEVICES AS INDICATED, MOUNTING HEIGHT INDICATED ON PLANS.
	PANELBOARD OR SWITCHBOARD, PROVIDE 6 INCH CONCRETE HOUSEKEEPING PAD FOR ALL GROUND MOUNTED EQUIPMENT UNLESS NOTED OTHERWISE. DENOTED BY PANELBOARD/SWITCHBOARD TAG PER ONE-LINE DIAGRAM.
	TRANSFORMER, PROVIDE 4 INCH CONCRETE HOUSEKEEPING PAD UNLESS NOTED OTHERWISE. DENOTED BY TRANSFORMER TAG PER ONE-LINE DIAGRAM.
	UTILITY METER. MOUNT PER UTILITY STANDARDS, UNO.
XXX	FEEDER TAG. REFER TO FEEDER SCHEDULE ON DWG E5.1.
	BRANCH CIRCUIT RUN CONCEALED, UNO. DASHED INDICATES CIRCUITRY REQUIRED TO BE RUN BELOW SLAB.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD AND CIRCUIT INDICATED.

RECEPTACLE DEVICE LEGEND

SYMBOL	DESCRIPTION
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE ONE IN DETAIL:
	APPLIANCE RECEPTACLE. PROVIDE NEMA CONFIGURATION TO MATCH PLUG FOR EQUIPMENT SERVED.
	DUPLEX RECEPTACLE, NEMA 5-20R.
	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R.
	SINGLE RECEPTACLE, NEMA 5-20R.
	SWITCHED DUPLEX RECEPTACLE WITH SPLIT YOKE, THE BOTTOM OUTLET IS SWITCHED & THE TOP OUTLET IS UNSWITCHED, NEMA 5-15R.
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE TWO IN DETAIL:
	DUPLEX RECEPTACLE, NEMA 5-20R.
	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R.
	SINGLE RECEPTACLE, NEMA 5-20R.
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE FOUR IN DETAIL:
	DUPLEX RECEPTACLE, NEMA 5-20R.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R.
NOTE:	MOUNT THE FOLLOWING DEVICES AS NOTED:
	DUPLEX RECEPTACLE, NEMA 5-20R, CEILING MOUNT.
	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, CEILING MOUNT.
	CORD REEL OUTLET, CEILING MOUNT.

SYMBOL VARIATIONS	DESCRIPTION
	RECEPTACLE CONNECTED TO EMERGENCY POWER, PROVIDE RED DEVICE. TYPE OF RECEPTACLE MAY VARY.
	GFCI RECEPTACLE CONNECTED TO EMERGENCY POWER, PROVIDE RED DEVICE. TYPE OF RECEPTACLE MAY VARY.
	PROTECTIVE COVER FOR RECEPTACLE. PROVIDE NEMA 3R "WHILE IN USE" ENCLOSURE FOR ALL EXTERIOR LOCATIONS. TYPE OF RECEPTACLE MAY VARY.
	PLUG LOAD CONTROLLED RECEPTACLE. TYPE OF RECEPTACLE MAY VARY. SEE OCCUPANCY SENSOR WIRING DIAGRAM ON SHEET E4.1 FOR DETAILS.
	RECEPTACLE WITH USB PORTS. TYPE OF RECEPTACLE MAY VARY.

POWER / COMMUNICATION DEVICE LEGEND

SYMBOL	DESCRIPTION
VP	POWER AND COMMUNICATIONS FOR CEILING MOUNTED VIDEO PROJECTOR. PROVIDE DUPLEX RECEPTACLE, NEMA 5-20R AND TELECOMMUNICATION OUTLET. COORDINATE FINAL LOCATION PRIOR TO ROUGH-IN.

RECOMMENDED LIGHTING LEVELS

TASK	TARGET FOOTCANDLES (FC)
CLASSROOMS	55
OFFICES	50
ELECTRICAL ROOMS	30
MECHANICAL ROOMS	30
LOBBIES/CORRIDORS	15
TOILETS	20
STOREROOMS	20

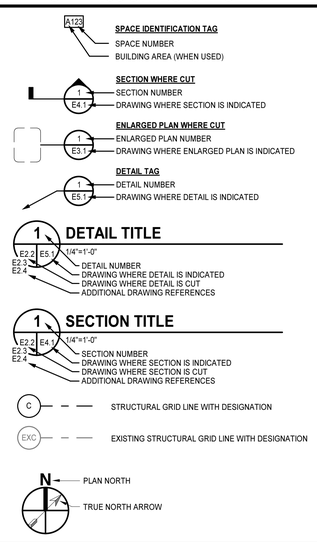
LIGHTING LEGEND

SYMBOL	DESCRIPTION
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS.
S	LIGHT SWITCH, RATED 120/277 VOLTS, 20-AMPS.
	SUBSCRIPT/SUPERSCRIPT LETTERS, NUMBERS, AND SYMBOLS INDICATES SWITCH TYPE AS FOLLOWS:
	3 INDICATES 3-WAY LIGHT SWITCH
	4 INDICATES 4-WAY LIGHT SWITCH
	LV INDICATES LOW VOLTAGE LIGHT SWITCH
	OS INDICATES SWITCH WITH INTEGRAL OCCUPANCY SENSOR
	OD INDICATES DIMMER SWITCH WITH INTEGRAL OCCUPANCY SENSOR
	P INDICATES PILOT LIGHT, ON WHEN SWITCH IS ON
	T INDICATES TIMER LIGHT SWITCH
	VS INDICATES SWITCH WITH INTEGRAL VACANCY SENSOR
	VD INDICATES DIMMER SWITCH WITH INTEGRAL VACANCY SENSOR
	LOWER CASE LETTER INDICATES LIGHT FIXTURE CONTROL DESIGNATION
	OMNI-DIRECTIONAL LIGHTING CONTROL OCCUPANCY DETECTOR, CEILING MOUNT.
	DIRECTIONAL LIGHTING CONTROL OCCUPANCY DETECTOR, WALL MOUNT AT 6" BELOW FINISHED CEILING.
	OMNI-DIRECTIONAL LIGHTING CONTROL VACANCY DETECTOR, CEILING MOUNT.
	DIRECTIONAL LIGHTING CONTROL VACANCY DETECTOR, WALL MOUNT AT 6" BELOW FINISHED CEILING.
PS	PHOTOCELL SENSOR FOR LIGHTING CONTROL. WALL MOUNT AT +10-0"AFF. AIM NORTH.
	LIGHT FIXTURE, CEILING MOUNT.
	LIGHT FIXTURE ON EMERGENCY POWER, CEILING MOUNT.
	LIGHT FIXTURE, WALL MOUNT, HEIGHT AS INDICATED.
	LIGHT FIXTURE ON EMERGENCY POWER, WALL MOUNT, HEIGHT AS INDICATED.
	EMERGENCY EGRESS LIGHTING FIXTURE, WALL MOUNT, HEIGHT AS INDICATED.
	EXIT SIGN, CEILING MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.
	EXIT SIGN, WALL MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.
	CEILING FAN WITH LIGHTING FIXTURE.

COMMUNICATIONS LEGEND

SYMBOL	DESCRIPTION
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE ONE IN DETAIL:
▼	TELECOMMUNICATIONS OUTLET. PROVIDE A WALL PLATE FOR (6) BLANK KEYSTONE JACKS FOR FUTURE COMMUNICATION JACKS. PROVIDE A 2-GANG BACKBOX WITH SINGLE-GANG PLASTER RING & COVER. PROVIDE (1) 1-1/4" EMPTY CONDUIT WITH PULL STRING UP TO ACCESSIBLE CEILING SPACE.
NOTE:	REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE TWO IN DETAIL:
▽	TELECOMMUNICATIONS OUTLET. PROVIDE A WALL PLATE FOR (6) BLANK KEYSTONE JACKS FOR FUTURE COMMUNICATION JACKS. PROVIDE A 2-GANG BACKBOX WITH SINGLE-GANG PLASTER RING & COVER. PROVIDE (1) 1-1/4" EMPTY CONDUIT WITH PULL STRING UP TO ACCESSIBLE CEILING SPACE.
NOTE:	MOUNT THE FOLLOWING DEVICES AS NOTED:
W	WIRELESS ACCESS POINT.
	2" EMT CONDUIT SLEEVE WITH NYLON BUSHING EACH END UNO, THRU WALL AT +6" ABOVE FINISHED CEILING.

GRAPHICS SYMBOLS LEGEND



ONE LINE DIAGRAM LEGEND

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER
	FUSED SWITCH
	TRANSFORMER
	TRANSFER SWITCH
XXX	FEEDER DESIGNATION
CT	CURRENT TRANSFORMER
PT	POTENTIAL TRANSFORMER

ABBREVIATIONS

1P	SINGLE PHASE
3P	THREE PHASE
3R	WEATHERPROOF (NEMA 3R)
A	AMPS
AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BKR	BREAKER
C	CONDUIT
CATV	COMMUNITY ANTENNA TELEVISION (CABLE)
CB	CIRCUIT BREAKER
CBL	CABLE
CKT	CIRCUIT
CLG	CEILING
CLR	CLEAR
CO.	COMPANY
COMB	COMBINATION
COMM	COMMUNICATIONS
CU	COPPER
DIA	DIAMETER
DISC	DISCONNECT
DIV	DIVISION
DWG	DRAWING
EBH	ELECTRIC BASEBOARD HEATER
EC	EMPTY CONDUIT
ECS	EMERGENCY COMMUNICATIONS STATION
ELEC	ELECTRICAL
EPO	EMERGENCY POWER OFF
EQ	EQUIPMENT
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXT	EXTERIOR
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FAGP	FIRE ALARM GRAPHIC PANEL
FAXP	FIRE ALARM EXTENDER PANEL
FLA	FULL LOAD AMPS
FPMR	FUSE PER MANUFACTURERS REQUIREMENTS/RECOMMENDATIONS
FPND	FUSE PER NAMEPLATE DATA
FSS	FUSED SAFETY SWITCH
G	GROUND
GE	GROUND FAULT PROTECTION FOR EQUIPMENT, 6-50mA PER NEC 427.22 (PROVIDE ACCESSORY FOR INDICATED BREAKER)
GFCI	GROUND FAULT CIRCUIT INTERRUPT
GFP	GROUND FAULT PROTECTION FOR PERSONNEL, 4-6mA (PROVIDE ACCESSORY FOR INDICATED BREAKER)
HKP	HOUSEKEEPING PAD
HP	HORSEPOWER
Hz	HERTZ
IAW	IN ACCORDANCE WITH
J-BOX	JUNCTION BOX
KHz	KILOHERTZ
KVA	KILOVOLT AMPS
KW	KILOWATTS
KWH	KILOWATT HOURS
L	LOCKOUT TO PREVENT UNAUTHORIZED SWITCHING (PROVIDE ACCESSORY FOR INDICATED BREAKER)
LC	ROUTE CIRCUIT TO LOAD VIA LIGHTING CONTACTOR, REFER TO LC SCHEDULE
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
LTS	LIGHTS
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MIN	MINIMUM
ML	MAINTENANCE LOCK (PROVIDE ACCESSORY FOR INDICATED BREAKER)
MLO	MAIN LUG ONLY
MNS	MASS NOTIFICATION SYSTEM
MOCP	MAXIMUM OVER CURRENT PROTECTION.
MTD	MOUNTED
N	NEUTRAL
N/C	NORMALLY CLOSED
N/O	NORMALLY OPEN
NFSS	NON-FUSED SAFETY SWITCH
NO.	NUMBER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
P	PILOT LIGHT (AT THE SWITCH HANDLE)
PBD	PANELBOARD
PD	PROTECTIVE DEVICE
RCPT	RECEPTACLE
REC	RECEPTACLE
SEC	SECURITY
SPD	SURGE PROTECTIVE DEVICE
SPEC.	SPECIFICATION(S)
ST	SHUNT TRIP, 120V COIL (PROVIDE ACCESSORY FOR INDICATED BREAKER)
SW	SWITCH
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TC	TELECOMMUNICATIONS CLOSET
TELECOM	TELECOMMUNICATIONS
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
TYP	TYPICAL
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
VIF	VERIFY IN FIELD
W	WATTS
W/	WITH
WG	WIRE GUARD
WP	WEATHERPROOF
XFMR	TRANSFORMER

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1414 KEY HIGHWAY, SECOND FLOOR
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DIGITAL SIGNATURE LOCATION:

PROFESSIONAL CERTIFICATION

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 22031, EXPIRATION DATE MARCH 1, 2027.

0' 8' 16' 32' 64'
1/32"=1'-0"
0' 2' 4' 8' 16'
1/8"=1'-0"
0' 2' 4' 8' 16'
1/8"=1'-0"

N

PATTERSON PARK PUBLIC CHARTER SCHOOL

661123
Ph. 1 Fitout of St. Elizabeth's Church
2700 E. BALTIMORE ST, BALTIMORE, MD 21224

PROJECT NO: 661123 DATE: OCTOBER 23, 2026

SUBMITTAL: PERMIT SUBMISSION

REVISIONS

DATE	DESCRIPTION

LEGENDS, ABBREVIATIONS, AND GENERAL NOTES

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GENERAL NOTES

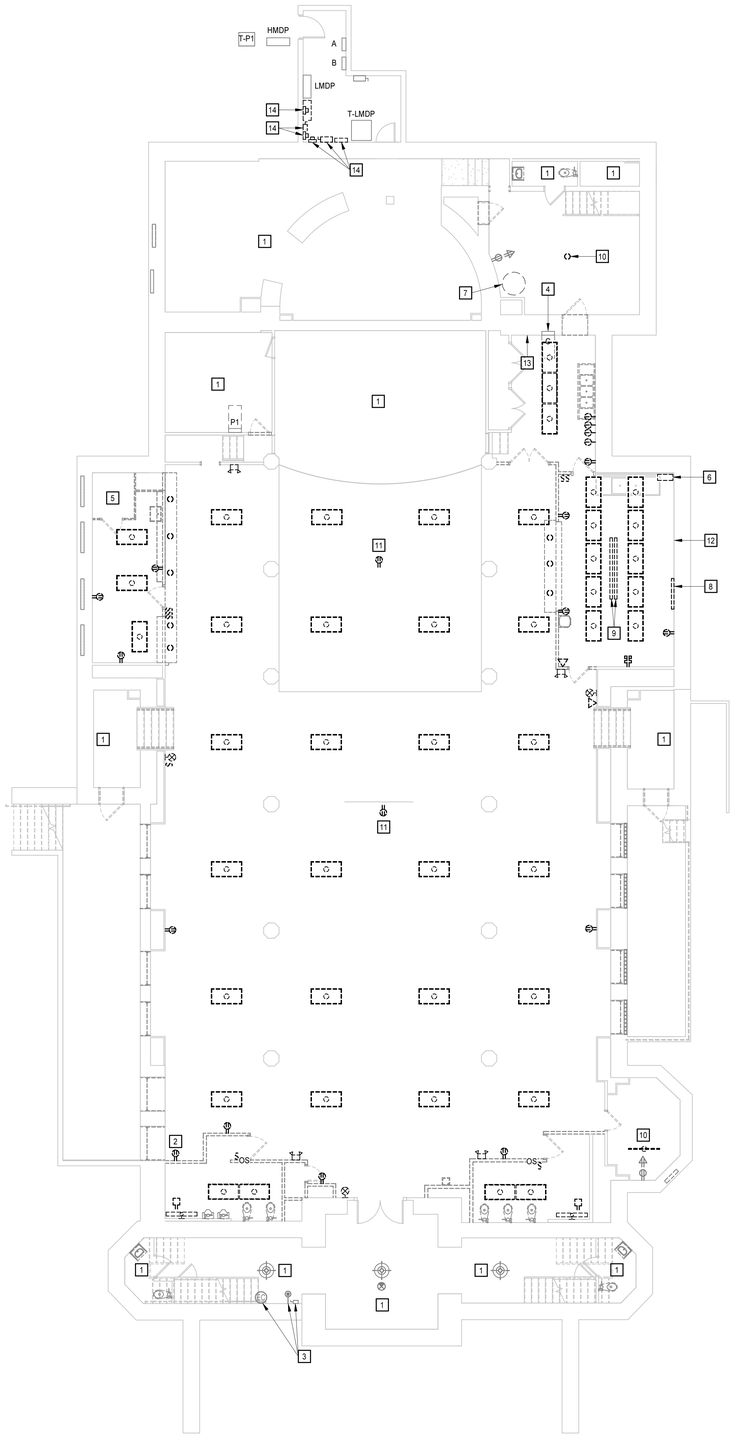
A. WHERE EQUIPMENT IS BEING NOTED TO BE REMOVED. DISCONNECT POWER, REMOVE CONDUCTORS & CONDUIT BACK TO SOURCE.

B. REMOVE MECHANICAL EQUIPMENT SERVING THIS AREA. REFER TO SHEET M0.3.1 FOR ADDITIONAL INFORMATION.

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. THIS AREA IS EXISTING TO REMAIN, UNO.
2. REMOVE DEDICATED RECEPTACLE FOR SUMP PUMP. EXISTING BRANCH CIRCUIT CONDUCTORS & CONDUIT SHALL REMAIN FOR EXTENSION TO NEW RECEPTACLE. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION.
3. REMOVE STAIR CHAIR LIFT. EXISTING ELECTRICAL CONNECTION FOR STAIR CHAIR LIFT, ALONG WITH ASSOCIATED CONDUCTORS & CONDUIT SHALL REMAIN FOR CONNECTION TO NEW STAIR CHAIR LIFT. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION.
4. REMOVE PANELBOARD & REPLACE IN KIND. EXISTING PANEL FEEDER CONDUCTORS & CONDUIT, ALONG WITH ASSOCIATED EXISTING TO REMAIN BRANCH CIRCUIT CONDUCTORS & CONDUIT SHALL REMAIN FOR CONNECTION TO NEW PANELBOARD. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION.
5. REMOVE WALK-IN COOLER & ALL ASSOCIATED EQUIPMENT.
6. REMOVE ANSUL SYSTEM & ALL ASSOCIATED DEVICES.
7. REMOVE GAS WATER HEATER. EXISTING BRANCH CIRCUIT CONDUCTORS & CONDUIT SHALL REMAIN FOR CONNECTION TO NEW WATER HEATER.
8. REMOVE SURFACE MOUNTED METAL RACEWAY WITH INTEGRAL RECEPTACLES, ALONG WITH ASSOCIATED CONDUCTORS & CONDUIT BACK TO SOURCE.
9. REMOVE SURFACE MOUNTED RACEWAY, ALONG WITH RIGID CONDUIT UP TO CEILING, ASSOCIATED CONDUCTORS & CONDUIT, BACK TO SOURCE.
10. REMOVE PENDANT UTILITY LIGHT. EXISTING BRANCH CIRCUIT CONDUCTORS & CONDUIT SHALL REMAIN FOR CONNECTION TO NEW LIGHT FIXTURE. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION.
11. REMOVE RECEPTACLE MOUNTED TO THE SIDE OF THE STRUCTURAL BEAM, ALONG WITH ALL ASSOCIATED BRANCH CIRCUIT CONDUCTORS & CONDUIT, BACK TO SOURCE.
12. REMOVE KITCHEN HOOD & ALL ASSOCIATED DEVICES AND EQUIPMENT.
13. LOCATION OF EXISTING LIGHTING CONTROLS FOR LOWER LEVEL. REMOVE & REPLACE LIGHTING CONTROLS FOR LOWER LEVEL AREA. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION.
14. REMOVE ABANDONED IN PLACE ELECTRICAL DISTRIBUTION EQUIPMENT (METERS, JUNCTION BOXES, DISCONNECT SWITCHES, PANELBOARDS, ETC.), ALONG WITH ASSOCIATED CONDUCTORS & CONDUIT BACK TO SOURCE.



1 LOWER LEVEL PLAN - DEMOLITION
1/8" = 1'-0"

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1414 KEY HIGHWAY, SECOND FLOOR
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0' 2' 4' 8' 16'
1/8"=1'-0"

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DATE	DESCRIPTION

LOWER LEVEL DEMOLITION PLAN

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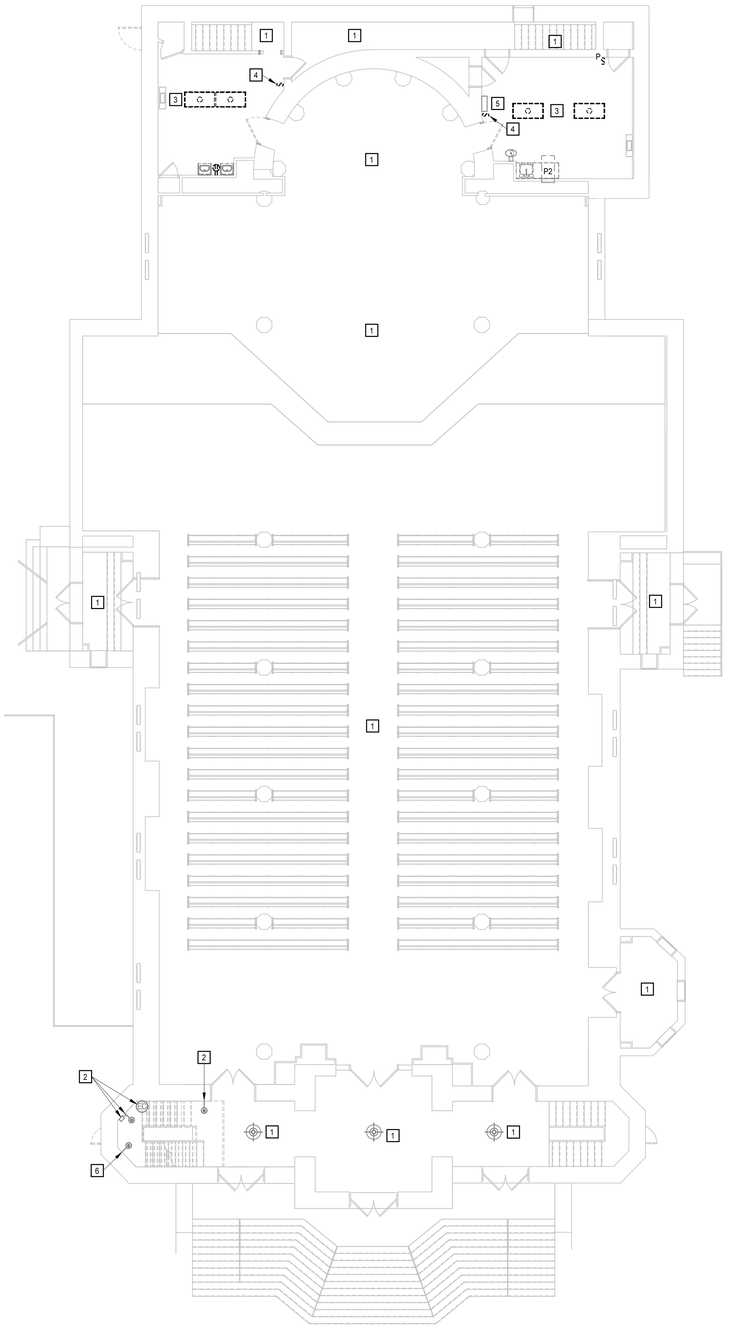
GENERAL NOTES

A. WHERE EQUIPMENT IS BEING NOTED TO BE REMOVED. DISCONNECT POWER, REMOVE CONDUCTORS & CONDUIT BACK TO SOURCE.

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. THIS AREA IS EXISTING TO REMAIN, UNO.
2. REMOVE STAIR CHAIR LIFT. EXISTING ELECTRICAL CONNECTION FOR STAIR CHAIR LIFT, ALONG WITH ASSOCIATED CONDUCTORS & CONDUIT SHALL REMAIN FOR CONNECTION TO NEW STAIR CHAIR LIFT. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION.
3. REMOVE LIGHT FIXTURES INDICATED. EXISTING BRANCH CIRCUIT WIRING SHALL REMAIN FOR CONNECTION TO NEW LIGHT FIXTURES. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION.
4. REMOVE LIGHTING CONTROL INDICATED. EXISTING BRANCH CIRCUIT WIRING SHALL REMAIN FOR CONNECTION TO NEW LIGHTING CONTROLS. REFER TO NEW WORK PLAN FOR ADDITIONAL INFORMATION.
5. EXISTING TO REMAIN LIGHTING CONTROL PANEL FOR SANCTUARY LIGHTING.
6. EXISTING CONTROLS FOR LOWER LEVEL STAIR CHAIR LIFT TO REMAIN.



1 MAIN LEVEL PLAN - DEMOLITION
1/8" = 1'-0"

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DIGITAL SIGNATURE LOCATION:

PROFESSIONAL CERTIFICATION

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0' 2' 4' 8' 16'
1/8"=1'-0"

PATTERSON PARK PUBLIC CHARTER SCHOOL

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2700 E. BALTIMORE ST, BALTIMORE, MD 21224

PROJECT NO: 661123 DATE: OCTOBER 23, 2026
SUBMITTAL: PERMIT SUBMISSION

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DATE	DESCRIPTION

MAIN LEVEL DEMOLITION PLAN

E0.2.1

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KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. THIS AREA IS EXISTING TO REMAIN, UNO.
2. EXTEND & CONNECT LIGHTS IN THIS AREA TO EXISTING BRANCH CIRCUIT, DESIGNATED FOR LIGHTING IN THIS AREA VIA #12 AWG IN 3/4"C. A TOTAL OF 256W OF CONNECTED LIGHTING LOAD IS BEING REMOVED & A TOTAL OF 123W OF CONNECTED LIGHTING LOAD IS BEING ADDED. A TOTAL OF 133W OF CONNECTED LIGHTING LOAD IS REMOVED FROM THE BRANCH CIRCUIT.
3. EXTEND & CONNECT LIGHTS IN THIS AREA TO EXISTING BRANCH CIRCUIT, DESIGNATED FOR LIGHTING IN THIS AREA VIA #12 AWG IN 3/4"C. A TOTAL OF 256W OF CONNECTED LIGHTING LOAD IS BEING REMOVED & A TOTAL OF 164W OF CONNECTED LIGHTING LOAD IS BEING ADDED. A TOTAL OF 92W OF CONNECTED LIGHTING LOAD IS REMOVED FROM THE BRANCH CIRCUIT.



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

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Moseley
1414 KEY HIGHWAY, SECOND FLOOR
BALTIMORE, MD 21230
PHONE (410) 539-4300
MOSELEYDESIGNS.COM

DIGITAL SIGNATURE LOCATION:

PROFESSIONAL CERTIFICATION

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER: 22000, EXPIRATION DATE: MARCH 1, 2027.

A	B	C
D	E	F

0' 2' 4' 8' 16'
1/8"=1'-0"

N

PATTERSON PARK PUBLIC CHARTER SCHOOL

661123
Ph. 1 Fitout of St. Elizabeth's Church
2700 E. BALTIMORE ST, BALTIMORE, MD 21224

PROJECT NO: 661123 DATE: OCTOBER 23, 2026
SUBMITTAL: PERMIT SUBMISSION

REVISIONS

DATE	DESCRIPTION

LOWER LEVEL LIGHTING PLAN

E1.1.1

DIV 23 ELECTRICAL CONNECTION SCHEDULE - E1.1.2

TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
CU-1	208 V	2	5.2 kVA	L1	10,12	2#8, 1#10G - 3/4"C	2P-60A-240V NFSS	
EF-1	120 V	1	0.1 kVA	L1	11	2#10, 1#10G - 3/4"C		
EF-2	120 V	1	0.1 kVA	L1	11	2#10, 1#10G - 3/4"C		
EF-3	120 V	1	0.1 kVA	L1	11	2#10, 1#10G - 3/4"C		
EF-4	120 V	1	0.1 kVA	L1	11	2#10, 1#10G - 3/4"C		
EF-6	120 V	1	0.1 kVA	L1	11	2#10, 1#10G - 3/4"C		
ERV-1	208 V	2	1.4 kVA	L1	1,3	2#12, 1#12G - 3/4"C		
HP-1	208 V	2	1.4 kVA	L1	2,4	2#12, 1#12G - 3/4"C	2P-30A-240V NFSS	
HP-1 HEATER	208 V	3	14.0 kVA	L1	5,7,9	3#6, 1#10G - 1"C	3P-60A-240V NFSS	
UH-1	208 V	2	3.0 kVA	L1	6,8	2#10, 1#10G - 3/4"C	PROVIDED INTEGRAL TO EQUIPMENT BY MANUFACTURER	
VPU-1	460 V	3	17.3 kVA	H1	1,3,5	3#10, 1#10G - 3/4"C	3P-30A-600V NFSS	
VPU-2	460 V	3	16.0 kVA	H1	2,4,6	3#10, 1#10G - 3/4"C	3P-30A-600V NFSS	
VPU-3	460 V	3	16.0 kVA	H1	7,9,11	3#10, 1#10G - 3/4"C	3P-30A-600V NFSS	
VPU-4	460 V	3	18.0 kVA	H1	8,10,12	3#10, 1#10G - 3/4"C	3P-30A-600V NFSS	

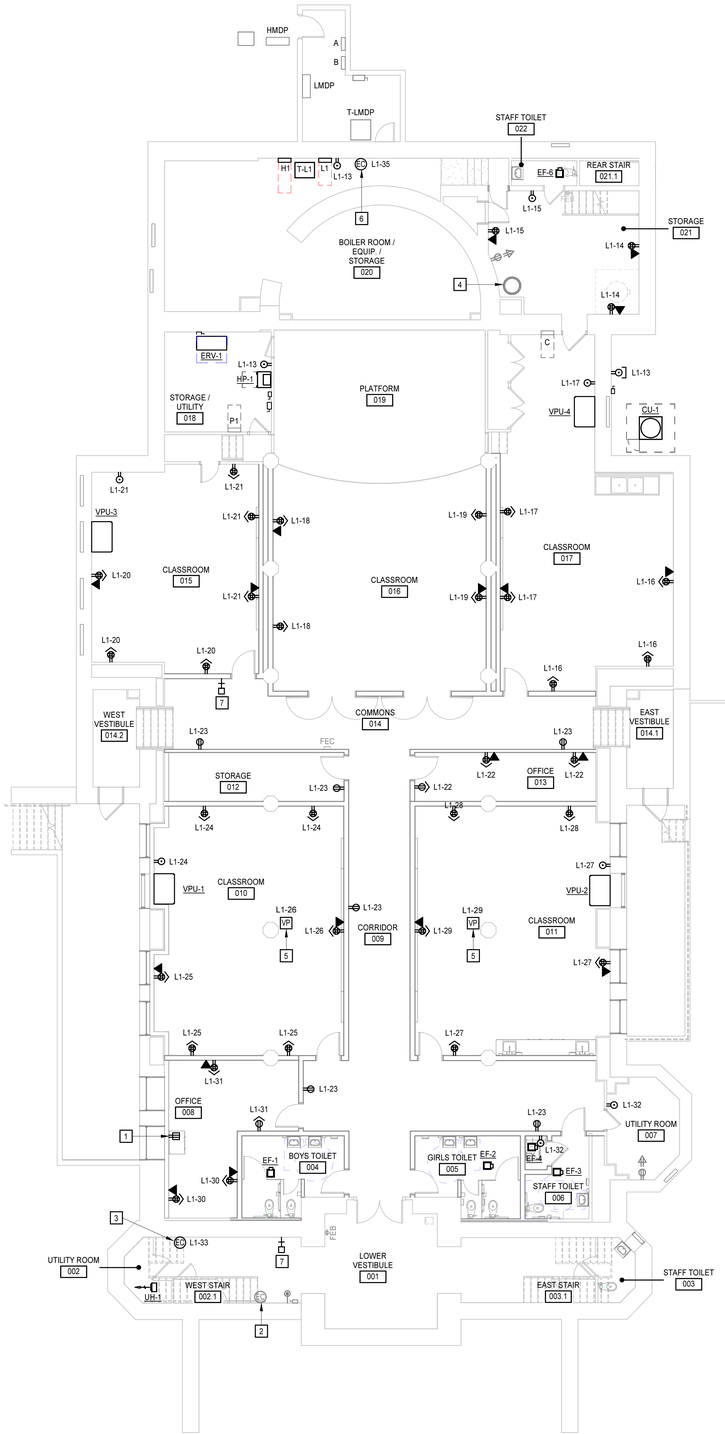
GENERAL NOTES

A. ALL RECEPTACLES INSTALLED ON THIS LEVEL SHALL BE TAMPER-RESISTANT.

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. DEDICATED RECEPTACLE FOR EXISTING SUMP PUMP. EXTEND & RECONNECT EXISTING BRANCH CIRCUIT CONDUCTORS & CONDUIT. PROVIDE GFCI PROTECTION FOR SUMP PUMP IAW NEC 422.5.
2. EXISTING ELECTRICAL CONNECTION & ASSOCIATED CONTROLS FOR STAIR CHAIR LIFT. EXTEND & RECONNECT EXISTING BRANCH CIRCUIT CONDUCTORS & CONDUIT TO STAIR CHAIR LIFT. PROVIDE ALL WIRING & CONNECTIONS FOR A COMPLETE & FULLY OPERABLE SYSTEM.
3. ELECTRICAL CONNECTION FOR BUILDING FIRE ALARM CONTROL PANEL. COORDINATE EXACT LOCATION WITH FIRE ALARM DESIGNER & CONTRACTOR, PRIOR TO ROUGH-IN & INSTALLATION.
4. EXTEND & RECONNECT EXISTING BRANCH CIRCUIT CONDUCTORS & CONDUIT TO NEW GAS WATER HEATER. PROVIDE A 1P-20A-120V NFSS.
5. SURFACE MOUNT RECEPTACLE & TELECOMMUNICATION OUTLETS FOR VIDEO PROJECTOR TO THE FACE OF THE STRUCTURAL BEAM. CONFIRM EXACT LOCATION IN THE FIELD WITH THE OWNER, PRIOR TO ROUGH-IN & INSTALLATION.
6. POWER SUPPLY FOR AREA OF REFUGE EMERGENCY RESCUE ASSISTANCE SYSTEM. REFER TO DETAIL ON SHEET E5.2 FOR ADDITIONAL INFORMATION.
7. AREA OF REFUGE COMMUNICATION STATION. REFER TO DETAIL ON SHEET E5.2 FOR ADDITIONAL INFORMATION.



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

Moseley
1414 KEY HIGHWAY, SECOND FLOOR
BALTIMORE, MD 21230
PHONE (410) 539-4300
MOSELEYDESIGNS.COM

DIGITAL SIGNATURE LOCATION:

PROFESSIONAL CERTIFICATION

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER: 22030, EXPIRATION DATE MARCH 1, 2027.

0' 2' 4' 8' 16'
1/8"=1'-0"

N

PATTERSON PARK PUBLIC CHARTER SCHOOL

661123
Ph. 1 Fitout of St. Elizabeth's Church
2700 E. BALTIMORE ST, BALTIMORE, MD 21224

PROJECT NO: 661123 DATE: OCTOBER 23, 2026
SUBMITTAL: PERMIT SUBMISSION

REVISIONS	
DATE	DESCRIPTION

LOWER LEVEL POWER PLAN

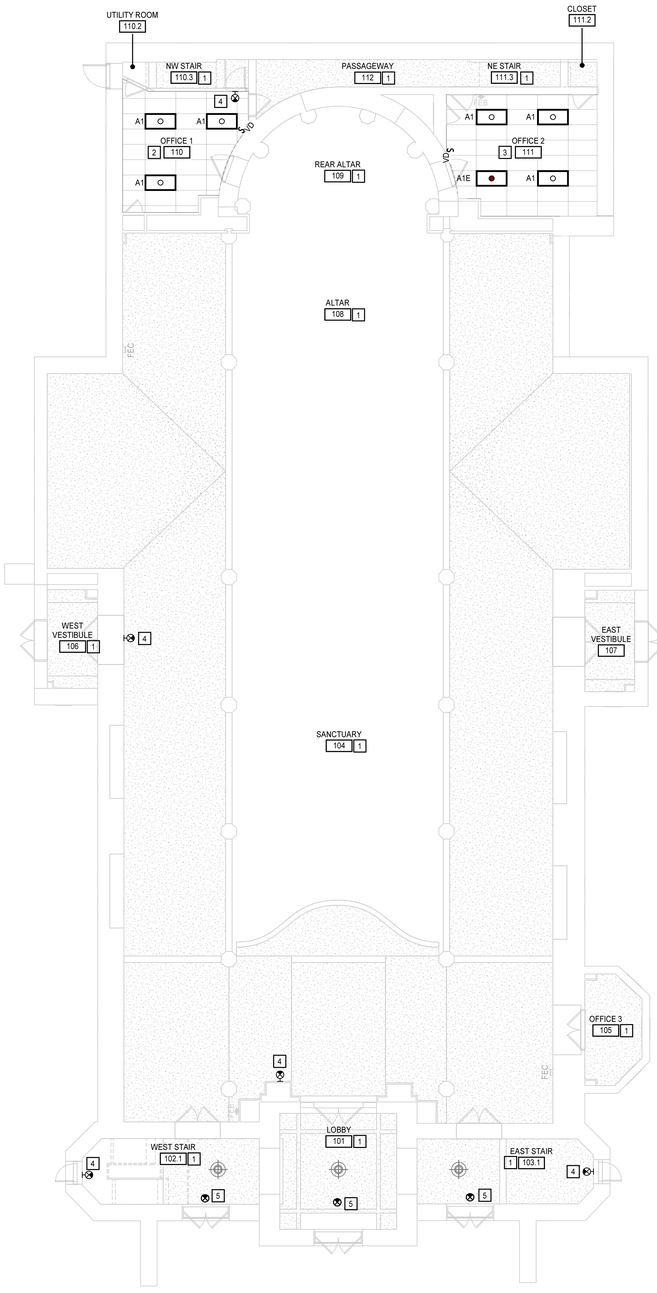
E1.1.2

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KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. THIS AREA IS EXISTING TO REMAIN, UNO.
2. EXTEND & CONNECT LIGHTS IN THIS AREA TO EXISTING BRANCH CIRCUIT, DESIGNATED FOR LIGHTING IN THIS AREA VIA #12 AWG IN 3/4"C. A TOTAL OF 256W OF CONNECTED LIGHTING LOAD IS BEING REMOVED & A TOTAL OF 123W OF CONNECTED LIGHTING LOAD IS BEING ADDED. A TOTAL OF 133W OF CONNECTED LIGHTING LOAD IS REMOVED FROM THE BRANCH CIRCUIT.
3. EXTEND & CONNECT LIGHTS IN THIS AREA TO EXISTING BRANCH CIRCUIT, DESIGNATED FOR LIGHTING IN THIS AREA VIA #12 AWG IN 3/4"C. A TOTAL OF 256W OF CONNECTED LIGHTING LOAD IS BEING REMOVED & A TOTAL OF 164W OF CONNECTED LIGHTING LOAD IS BEING ADDED. A TOTAL OF 92W OF CONNECTED LIGHTING LOAD IS REMOVED FROM THE BRANCH CIRCUIT.
4. CONNECT TO NEAREST LIGHTING CIRCUIT, AHEAD OF LOCAL SWITCHING, VIA #12 AWG IN 3/4"C.
5. PENDANT MOUNT EXIT SIGN TO +9'-0" AFF. CONNECT TO NEAREST LIGHTING CIRCUIT, AHEAD OF LOCAL SWITCHING, VIA #12 AWG IN 3/4"C.



1 **MAIN LEVEL PLAN - LIGHTING**
1/8" = 1'-0"

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D	E	F

0' 2' 4' 8' 16'
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REVISIONS

DATE	DESCRIPTION

MAIN LEVEL LIGHTING PLAN

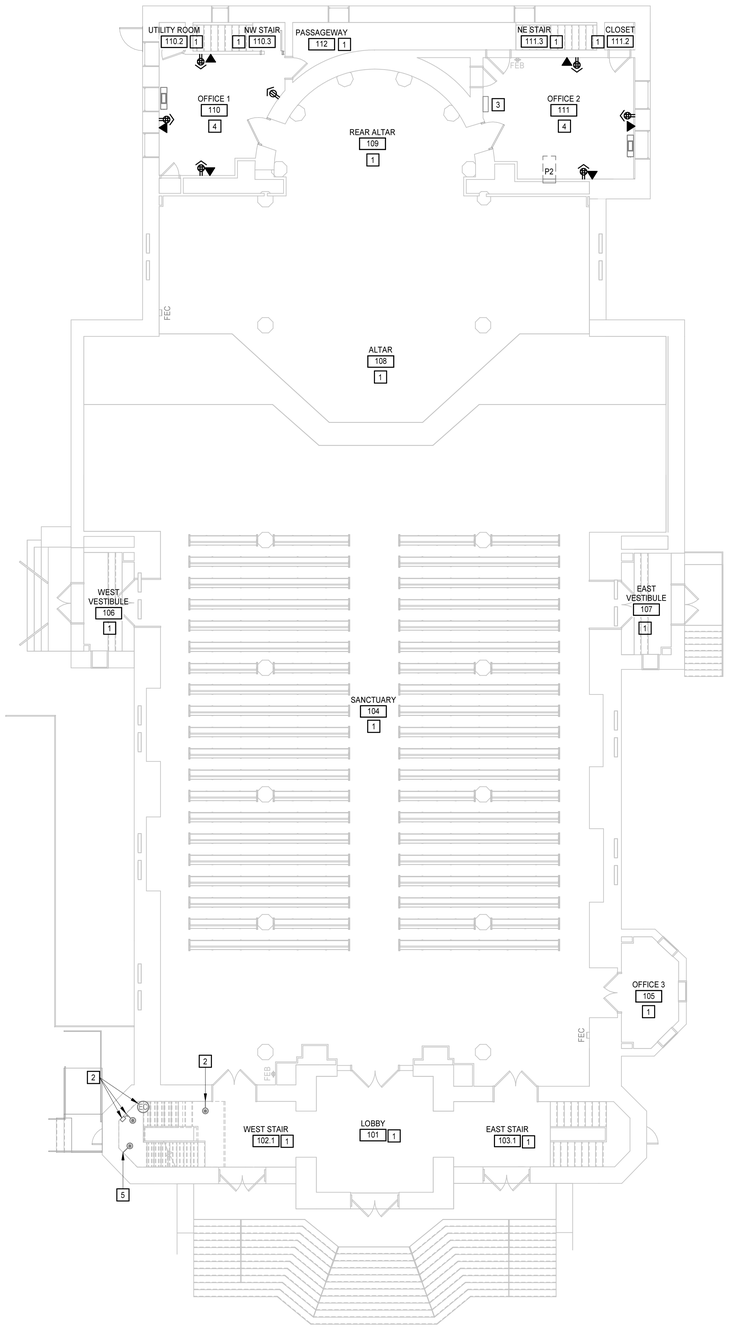
E1.2.1

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KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY: n

1. THIS AREA IS EXISTING TO REMAIN, UNO.
2. EXISTING ELECTRICAL CONNECTION & ASSOCIATED CONTROLS FOR STAIR CHAIR LIFT. EXTEND & RECONNECT EXISTING BRANCH CIRCUIT CONDUCTORS & CONDUIT TO STAIR CHAIR LIFT. PROVIDE ALL WIRING & CONNECTIONS FOR A COMPLETE & FULLY OPERABLE SYSTEM.
3. EXISTING LIGHTING CONTROL PANEL FOR SANCTUARY.
4. EXTEND & CONNECT RECEPTACLES TO SPARE CIRCUIT, MADE AVAILABLE AFTER DEMOLITION, IN PANEL P2, VIA #12 AWG IN 3/4"C.
5. EXISTING CONTROLS FOR LOWER LEVEL STAIR CHAIR LIFT.



1 **MAIN LEVEL PLAN - POWER**
1/8" = 1'-0"

Moseley
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PATTERSON PARK PUBLIC CHARTER SCHOOL

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PROJECT NO: 661123 DATE: OCTOBER 23, 2026
SUBMITTAL: PERMIT SUBMISSION

REVISIONS
DATE DESCRIPTION

MAIN LEVEL POWER PLAN

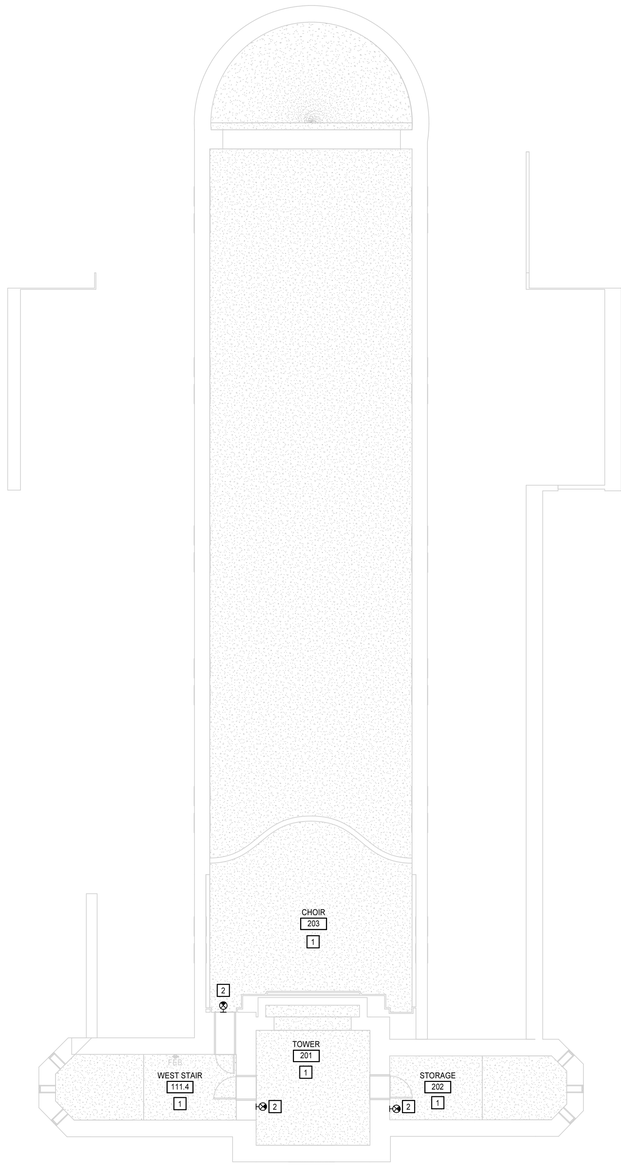
E1.2.2

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KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. THIS AREA IS EXISTING TO REMAIN, UNO.
2. CONNECT TO NEAREST LIGHTING CIRCUIT, AHEAD OF LOCAL SWITCH, VIA #12 AWG IN 3/4"C.



1 **UPPER LEVEL PLAN - LIGHTING**
1/8" = 1'-0"

Moseley
1414 KEY HIGHWAY, SECOND FLOOR
BALTIMORE, MD 21230
PHONE (410) 539-4300
MOSELEYDESIGNS.COM

DIGITAL SIGNATURE LOCATION:

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A	B	C
D	E	F

0' 2' 4' 8' 16'
1/8"=1'-0"

N

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661123
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2700 E. BALTIMORE ST, BALTIMORE, MD 21224

PROJECT NO: 661123 DATE: OCTOBER 23, 2026
SUBMITTAL: PERMIT SUBMISSION

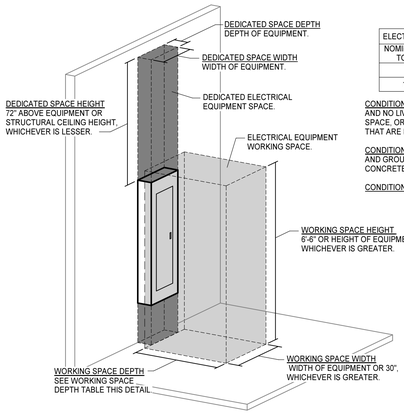
REVISIONS

DATE	DESCRIPTION

UPPER LEVEL LIGHTING PLAN

E1.3.1

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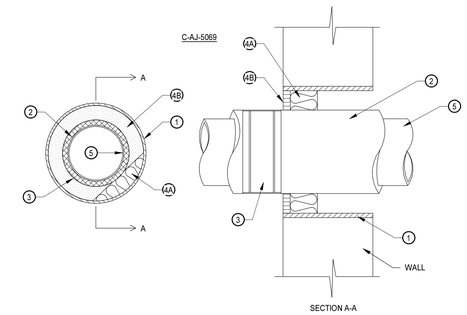
ELECTRICAL WORKING SPACE DEPTH (SEE NEC TABLE 110.26(A)1)			
NOMINAL VOLTAGE TO GROUND	CONDITION 1	CONDITION 2	CONDITION 3
0-150	3'-0"	3'-0"	3'-0"
151-600	3'-0"	3'-6"	4'-0"

CONDITION 1 - EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE THAT ARE EFFECTIVELY GUARDED BY INSULATING MATERIALS.

CONDITION 2 - EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE. CONCRETE, BRICK, OR TILE WALLS SHALL BE CONSIDERED AS GROUNDED.

CONDITION 3 - EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE.

5 ELECTRICAL EQUIPMENT CLEARANCE DETAIL
NO SCALE



SECTION A-A

1. METALLIC SLEEVE - (OPTIONAL) NOMINAL 22" DIAMETER (OR SMALLER) SCHEDULE 40 STEEL PIPE CAST OR GROUTED INTO WALL ASSEMBLY, FLUSH WITH WALL SURFACES.

2. PIPE COVERING MATERIALS* -CELLULAR GLASS INSULATION- NOMINAL 1-1/2" OR 3" THICK CELLULAR GLASS PIPE INSULATION SIZED TO THE OUTSIDE DIAMETER OF THE STEEL PIPE OR TUBE AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. T RATING IS 0 HR WHEN NOMINAL 1-1/2" THICK PIPE INSULATION IS USED. T RATING IS 1 HR WHEN NOMINAL 3" THICK PIPE INSULATION IS USED. THE ANNULAR SPACE SHALL BE MINIMUM 3/4" TO MAXIMUM 3".

PITTSBURGH CORNING CORP - FOAMGLASS

3. METAL JACKET - MINIMUM 12" LONG JACKET FORMED OF MINIMUM 0.010" THICK STEEL OR ALUMINUM SHEET CUT TO WRAP TIGHTLY AROUND THE PIPE INSULATION WITH A MINIMUM 2" LAP. JACKET SECURED WITH MINIMUM 1/2" WIDE STAINLESS STEEL HOSE CLAMPS OR BANDS LOCATED WITHIN 2" OF EACH END OF THE JACKET AND SPACED A MAXIMUM OF 10' O.C. JACKET TO BE INSTALLED WITH ABUTTING SURFACE OF SEALANT (ITEM 6B) ON BOTH SURFACES OF WALL.

4. FIRESTOP SYSTEM - THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:

A. PACKING MATERIAL - MINIMUM 3" THICKNESS OF MINIMUM 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.

B. FILL, VOID OR CAVITY MATERIAL* -SEALANT- MINIMUM 3/4" THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL.

HILTI CONSTRUCTION CHEMICALS, INC.- FS605 OR FS-ONE SEALANT

5. THROUGH PENETRANT - ONE METALLIC PIPE OR TUBING TO BE POSITIONED WITHIN THE FIRESTOP SYSTEM. PIPE OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR CONDUITS MAY BE USED:

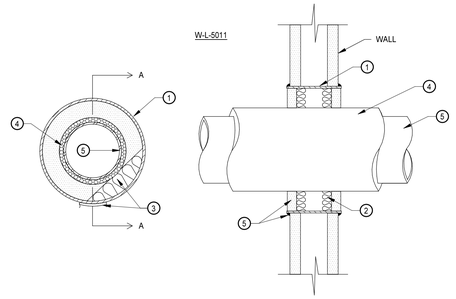
A. STEEL PIPE - NOMINAL 12" DIAMETER (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE.

B. COPPER TUBING - NOMINAL 6" DIAMETER (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.

C. COPPER PIPE - NOMINAL 6" DIAMETER (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

* BEARING THE UL CLASSIFICATION MARKING

4 PENETRATION THROUGH 2 HOUR FIRE RATED WALL
NO SCALE



SECTION A-A

1. STEEL SLEEVE - CYLINDRICAL SLEEVE FABRICATED FROM MINIMUM 0.019" THICK (NO. 28 GAUGE) GALVANIZED SHEET STEEL AND HAVING A MINIMUM 2" LAP ALONG THE LONGITUDINAL SEAM. LENGTH OF STEEL SLEEVE TO BE EQUAL TO THICKNESS OF WALL PLUS 1" SUCH THAT, WHEN INSTALLED, THE ENDS OF THE SLEEVE WILL PROJECT APPROXIMATELY 1/2" BEYOND THE SURFACE OF THE WALL ON BOTH SIDES OF THE WALL ASSEMBLY. THE DIAMETER OF THE OPENINGS CUT IN THE GYPSUM WALLBOARD LAYERS ON EACH SIDE OF THE WALL ASSEMBLY (CONCENTRIC WITH PIPE) TO BE 2" TO 2-1/2" LARGER THAN OUTSIDE DIAMETER OF PIPE INSULATION SUCH THAT, WHEN THE STEEL SLEEVE IS INSTALLED, A 1" TO 1-1/4" ANNULAR SPACE WILL BE PRESENT BETWEEN THE STEEL SLEEVE AND THE PIPE INSULATION AROUND THE ENTIRE CIRCUMFERENCE OF THE PIPE. SLEEVE INSTALLED BY COILING THE SHEET STEEL TO A DIAMETER SMALLER THAN THE THROUGH OPENING, INSERTING THE COIL THROUGH THE OPENINGS AND RELEASING THE COIL TO LET IT UNCOIL AGAINST THE CIRCULAR CUTOUTS IN THE GYPSUM WALLBOARD LAYERS.

2. PACKING MATERIAL - POLYETHYLENE BACKER ROD OR MINIMUM 1" THICKNESS OF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO STEEL SLEEVE ON BOTH SIDES OF THE WALL ASSEMBLY AS PERMANENT FORMS. PACKING MATERIAL TO BE RECESSED MINIMUM 1" FROM END OF STEEL SLEEVE (RECESSED MINIMUM 1/2" INTO GYPSUM WALLBOARD SURFACE) ON BOTH SIDES OF WALL ASSEMBLY.

3. FILL, VOID OR CAVITY MATERIALS* -CAULK- MINIMUM 1" THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS ON BOTH SIDES OF WALL ASSEMBLY. THICKNESS FOR FILL MATERIAL FOR NOMINAL 3" DIAMETER (OR SMALLER) STEEL PIPES MAY BE REDUCED TO A MINIMUM 1/2". A NOMINAL 1/4" DIAMETER CONTINUOUS BEAD OF CAULK SHALL BE APPLIED AROUND THE CIRCUMFERENCE OF THE STEEL SLEEVE AT ITS EGRESS FROM THE GYPSUM WALLBOARD LAYERS ON BOTH SIDES OF THE WALL ASSEMBLY.

MINNESOTA MINING & MFG. CO.- CP 25WB+

4. PIPE COVERING* - NOMINAL 1" OR 1-1/2" THICK HOLLOW CYLINDRICAL HEAVY DENSITY (MINIMUM 3.5 PCF) GLASS FIBER UNITS JACKETED ON THE OUTSIDE WITH AN ALL SERVICE JACKET. LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR FACTORY-APPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SEALED WITH METAL FASTENER STRIP TAPE SUPPLIED WITH THE PRODUCT.

5. THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

A. STEEL PIPE - NOMINAL 12" DIAMETER (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE. WHEN STEEL PIPE IS USED, T RATING IS 1 HR.

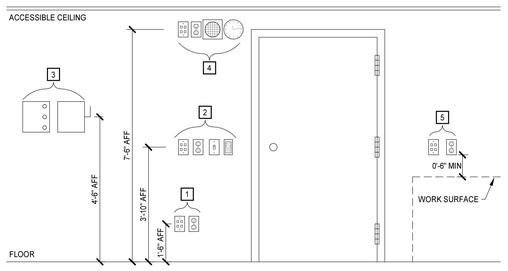
B. CONDUIT - NOMINAL 3" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR STEEL CONDUIT. WHEN STEEL CONDUIT IS USED, T RATING IS 1/4 HR.

C. COPPER TUBING - NOMINAL 6" DIAMETER (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING. WHEN COPPER TUBING IS USED, T RATING 1/2 AND 1 HR WHEN INSTALLED IN 1 AND 2 HR RATED WALLS, RESPECTIVELY.

D. COPPER PIPE - NOMINAL 6" DIAMETER (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

* BEARING THE UL CLASSIFICATION MARKING

3 PENETRATION THROUGH 1 HOUR FIRE RATED WALL
NO SCALE



KEY NOTES:

1. RECEPTACLE OR TELECOMMUNICATIONS DEVICES MOUNTED AT 1'-6" AFF UNO ON FLOOR PLAN
2. RECEPTACLE, TELECOMMUNICATIONS DEVICES, LIGHT SWITCH, POWER DEVICES / EQUIPMENT OR CARD READER MOUNTED AT 3'-10" AFF UNO ON FLOOR PLAN
3. POWER DEVICES / EQUIPMENT MOUNTED AT 4'-6" AFF UNO ON FLOOR PLAN. IF EQUIPMENT HAS HANDLE OR SWITCHES, MIDDLE OF HANDLE OR SWITCH SHALL BE AT 4'-6" AFF UNO.
4. RECEPTACLE OR TELECOMMUNICATIONS DEVICES MOUNTED AT 7'-6" AFF UNO ON FLOOR PLAN
5. RECEPTACLE OR TELECOMMUNICATIONS DEVICES MOUNTED ABOVE WORK SURFACE

REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHTS AND ELEVATIONS OF ALL WORK SURFACES

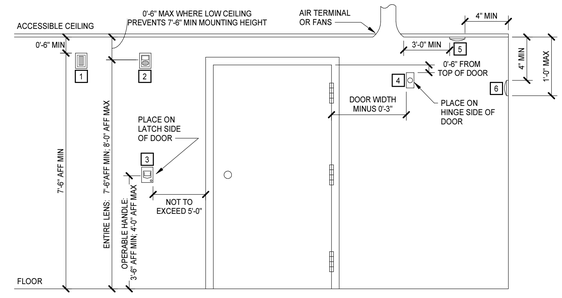
LEGEND SYMBOL: REFER TO RECEPTACLES DEVICE AND COMMUNICATIONS LEGEND FOR COMPLETE LIST OF SYMBOLS

LEGEND SYMBOL: CR OR KP OR S OR SS
REFER TO RECEPTACLES DEVICE, COMMUNICATIONS, POWER DEVICES / EQUIPMENT LEGEND FOR COMPLETE LIST OF SYMBOLS

LEGEND SYMBOL: REFER TO POWER DEVICES / EQUIPMENT LEGEND FOR COMPLETE LIST OF SYMBOLS

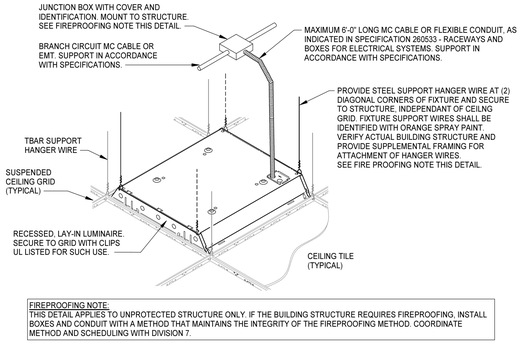
LEGEND SYMBOL: REFER TO RECEPTACLES DEVICE, COMMUNICATIONS, POWER DEVICES / EQUIPMENT LEGEND FOR COMPLETE LIST OF SYMBOLS

NOTES:
1. ALL DEVICES MOUNTED ABOVE NON-ADA COMPLIANT WORK SURFACES SHALL BE INSTALLED WITH BOTTOM OF DEVICE 0'-6" MINIMUM ABOVE WORK SURFACE.
2. ALL DEVICES MOUNTED ABOVE ADA COMPLAINT WORK SURFACES SHALL ADHERE TO THE FOLLOWING:
   A. BOTTOM OF DEVICE SHALL BE 0'-6" MINIMUM ABOVE WORK SURFACE.
   B. TOP OF DEVICE SHALL BE NO HIGHER THAN 3'-8" ABOVE WORK SURFACE FOR OBSTRUCTED FORWARD REACH.
   C. TOP OF DEVICE SHALL BE NO HIGHER THAN 3'-10" ABOVE WORK SURFACE FOR OBSTRUCTED SIDE REACH.



KEY NOTES:

1. FIRE ALARM AUDIO ONLY DEVICE, — LEGEND SYMBOL:
2. FIRE ALARM VISUAL ONLY DEVICE OR FIRE ALARM AUDIO/VISUAL DEVICE, — LEGEND SYMBOL: OR
3. FIRE ALARM MANUAL PULL STATION OR FIRE ALARM KEY OPERATED MANUAL PULL STATION, — LEGEND SYMBOL: F OR FK
4. FIRE ALARM MAGNETIC DOOR HOLDER — LEGEND SYMBOL: M
5. FIRE ALARM INITIATING DEVICES - CEILING MOUNTED: SMOKE, HEAT, CARBON MONOXIDE OR COMBO DETECTORS — LEGEND SYMBOL: S OR H OR CO OR SC
6. FIRE ALARM INITIATING DEVICES - WALL MOUNTED: SMOKE, HEAT, CARBON MONOXIDE OR COMBO DETECTORS — LEGEND SYMBOL: S OR H OR CO OR SC



FIREPROOFING NOTE:
THIS DETAIL APPLIES TO UNPROTECTED STRUCTURE ONLY. IF THE BUILDING STRUCTURE REQUIRES FIREPROOFING, INSTALL BOXES AND CONDUIT WITH A METHOD THAT MAINTAINS THE INTEGRITY OF THE FIREPROOFING METHOD. COORDINATE METHOD AND SCHEDULING WITH DIVISION 7.

2 TROFFER MOUNTING DETAIL
NO SCALE

1 TYPICAL DEVICE ELEVATION DETAIL
NO SCALE

Moseley
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BALTIMORE, MD 21230
PHONE (410) 539-4300
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PATTERSON PARK PUBLIC CHARTER SCHOOL

661123
Ph. 1 Fitout of St. Elizabeth's Church
2700 E. BALTIMORE ST, BALTIMORE, MD 21224

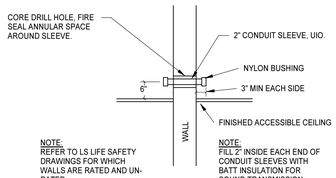
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DATE	DESCRIPTION

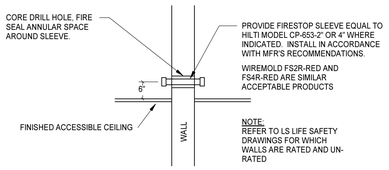
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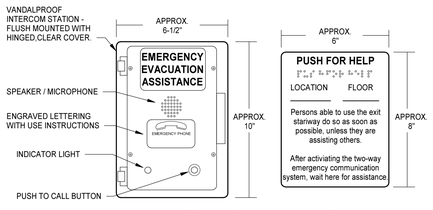
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4 UN-RATED WALL CONDUIT SLEEVE DETAIL
NO SCALE



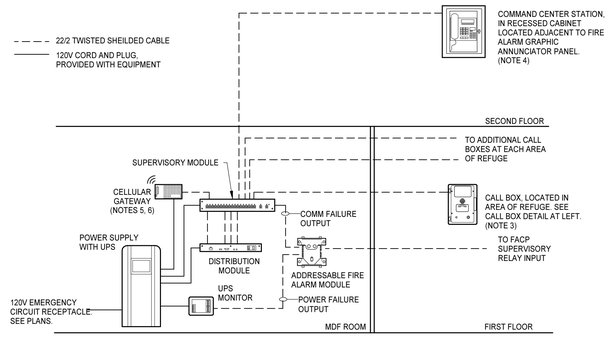
3 RATED WALL CONDUIT SLEEVE DETAIL
NO SCALE



INTERCOM STATION AND SIGN DETAIL

NOTES:
1. MOUNT CALL BOX AT 48" AFF TO PUSHBUTTON.
2. MOUNT SIGN BESIDE CALL BOX ON EVERY LEVEL.
3. SIGN SHALL BE STAINLESS STELL WITH BLACK ENGRAVED LETTERS.

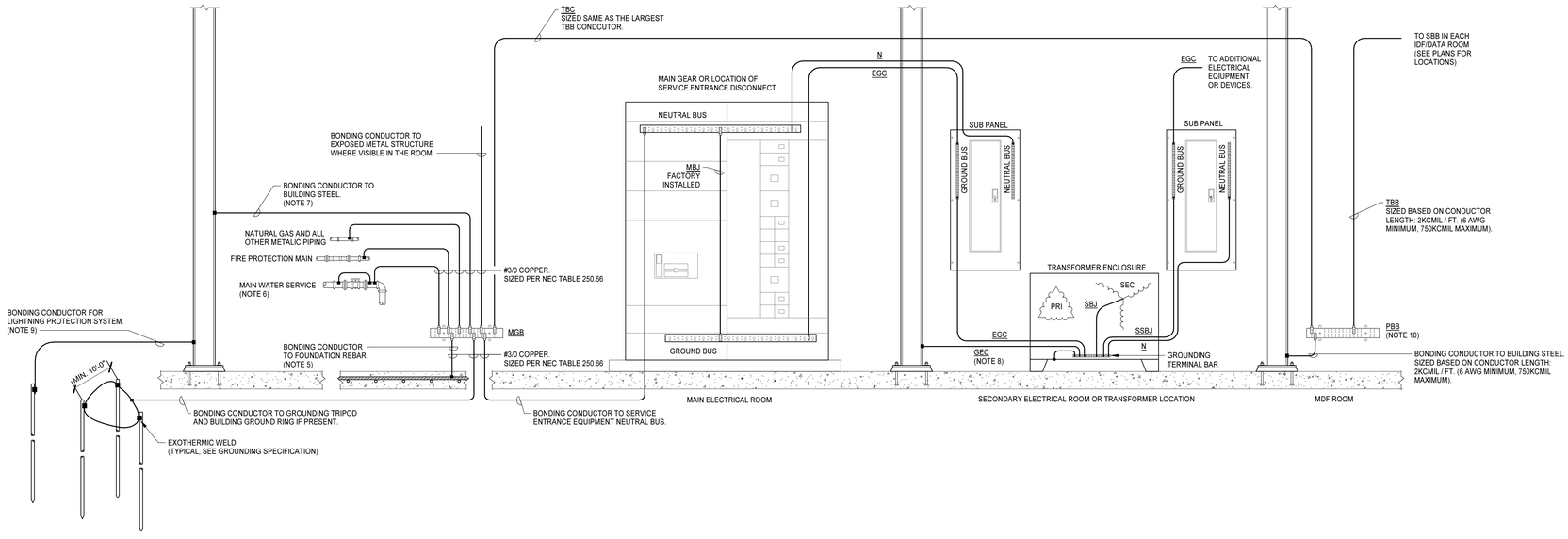
2 AREA OF REFUGE RESCUE ASSISTANCE INTERCOM
NO SCALE



RISER DIAGRAM

NOTES:
1. TWO-WAY COMMUNICATIONS SYSTEM IS BASED ON RATH #2500 COMMAND CENTER SYSTEM, OR EQUAL. SEE SPECIFICATION SECTION 275227.
2. ALL WIRING SHALL BE INSTALLED IN CONDUIT, 3/4" MINIMUM.
3. COORDINATE EXACT LOCATION OF CALL BOXES WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN.
4. COORDINATE LOCATION OF COMMAND CENTER STATION WITH OWNER AND LOCAL FIRE DEPARTMENT PER IBC 1009.8.
5. SYSTEM SHALL BE PROGRAMMED TO CALL 911 WHEN CONTROL POINT IS UNATTENDED.
6. WHERE POTS IS USED IN LIEU OF CELLULAR CONNECTION, PROVIDE 22/2 TWISTED SHEILDED CABLE FROM OUTSIDE SERVICE TO SUPERVISORY MODULE.

1 GROUNDING SYSTEM DIAGRAM DETAIL
NO SCALE



NOTES:
1. SEE SPECIFICATION SECTION 260526 - "GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS," AS WELL AS NEC 250 FOR ADDITIONAL INFORMATION.
2. PROVIDE ALL WIRING, RACEWAYS, FITTINGS AND CONNECTIONS AS INDICATED ON THIS DIAGRAM.
3. AHJ SHALL INSPECT BONDING CONNECTIONS AT COLUMNS, FOUNDATION REBAR, GROUNDING TRIPOD AND GROUND RING WHILE THEY ARE ACCESSIBLE.
4. ALL GROUNDING CONDUCTORS SHALL BE INSTALLED IN CONDUIT WHERE INSTALLED ON WALLS IN ELECTRICAL ROOMS. PROVIDE GROUNDING FITTINGS ON BOTH ENDS PER NEC 250.64(B), (E).
5. REBAR SHALL BE BONDED IF IT IS MINIMUM 1/2" DIAMETER, MIN 20' LENGTH, ELECTRICALLY CONDUCTIVE STEEL (OR SMALLER LENGTHS CONNECTED TOGETHER WITH STEEL TIE WIRES OR WELDING TO CREATE LENGTHS 20' OR GREATER), ENCASED BY MIN 2" CONCRETE IN BUILDING FOUNDATION IN DIRECT CONTACT WITH THE EARTH.
6. ALL METAL PIPING SHALL BE BONDED WITHIN 5' OF ENTRY INTO THE BUILDING. PROVIDE BONDING JUMPER AROUND METERS, FILTERING DEVICES OR OTHER INSULATING COMPONENTS.
7. IF BUILDING STEEL IS ELECTRICALLY CONTINUOUS THROUGHOUT THE BUILDING, STEEL MAY BE BONDED IN ONLY ONE LOCATION. IF BUILDING STEEL IS NOT CONTINUOUS, BOND ALL BUILDING STEEL ELECTRODES (EXTENDS 10' MINIMUM VERTICALLY INTO THE EARTH) TO THE GROUNDING ELECTRODE SYSTEM. ALL CONNECTIONS TO BUILDING STEEL SHALL BE EXOTHERMICALLY WELDED.
8. TRANSFORMER GROUNDING ELECTRODE CONDUCTOR SHALL BE BONDED TO BUILDING STEEL IF STEEL IS ELECTRICALLY CONTINUOUS AS AN EXTENSION OF THE GROUNDING ELECTRODE SYSTEM. IF BUILDING STEEL IS NOT CONTINUOUS, PROVIDE GEC BACK TO NEAREST LOCATION OF GROUNDING ELECTRODE SYSTEM. GEC SHALL BE SIZED PER TRANSFORMER SCHEDULE.
9. IF SPECIFICATION SECTION 264113 IS INDICATED IN THE PROJECT MANUAL, PROVIDE GROUND ROD AND BONDING JUMPER AT EACH CORNER COLUMN AND INTERMEDIATE EXTERIOR COLUMN, NO GREATER THAN 60' APART. SEE SPECIFICATION SECTION 264113 - "LIGHTNING PROTECTION FOR STRUCTURES" FOR ADDITIONAL INFORMATION.
10. SEE SPECIFICATION SECTION 270526 - "GROUNDING AND BONDING FOR COMMUNICATIONS SYSTEMS" FOR ADDITIONAL INFORMATION REGARDING TELECOM SYSTEMS.

ABBREVIATIONS:
EGC - EQUIPMENT GROUNDING CONDUCTOR
GEC - GROUNDING ELECTRODE CONDUCTOR
MBJ - MAIN BONDING JUMPER
MGB - MAIN GROUND BAR
N - NEUTRAL
PBB - PRIMARY BONDING BUSBAR (TELECOM)
SBB - SECONDARY BONDING BUSBAR (TELECOM)
SBJ - SYSTEM BONDING JUMPER
SSBJ - SUPPLY SIDE BONDING JUMPER
TBB - TELECOM BONDING BACKBONE
TBC - TELECOM BONDING CONDUCTOR

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1414 KEY HIGHWAY, SECOND FLOOR
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PATTERSON PARK PUBLIC CHARTER SCHOOL

661123
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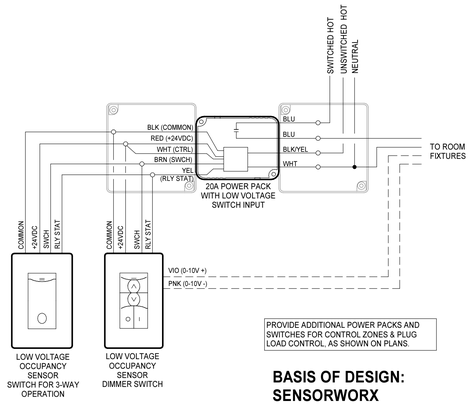
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PROVIDE ADDITIONAL POWER PACKS AND SWITCHES FOR CONTROL ZONES & PLUG LOAD CONTROL, AS SHOWN ON PLANS.

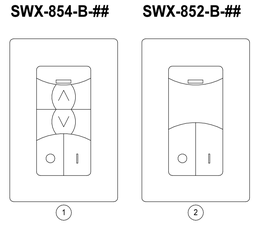
BASIS OF DESIGN: SENSORWORX

3 WIRED LOW OCCUPANCY SENSOR SWITCH WIRING DIAGRAM
NO SCALE

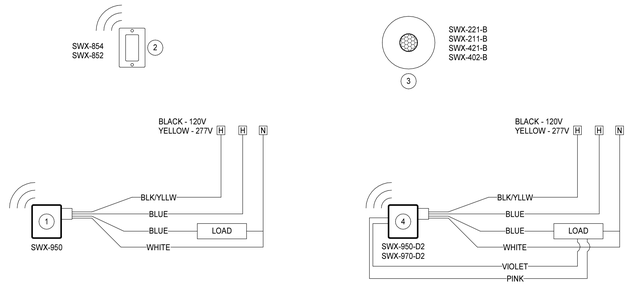
NOTES:
PROVIDE LOW VOLTAGE SWITCHES AS INDICATED ON THE ELECTRICAL FLOOR PLANS. COORDINATE TYPES WITH SEQUENCE OF OPERATION. CUSTOMER SHALL CONFIRM ENGRAVING EITHER PRIOR TO ORDERING SWITCHES OR AFTER START UP.

1. ON/OFF DIMMING SWITCH. LOW VOLTAGE SWITCH CAN FUNCTION AS THREE WAY SWITCH, IF REQUIRED. COORDINATE SWITCH WITH LOCATION AS INDICATED ON FLOOR PLANS.
2. ON/OFF SWITCH. LOW VOLTAGE SWITCH CAN FUNCTION AS THREE WAY SWITCH, IF REQUIRED. COORDINATE SWITCH WITH LOCATION AS INDICATED ON FLOOR PLANS.

BASIS OF DESIGN: SENSORWORX



2 WIRELESS DIMMER SWITCHES
NO SCALE



NOTES:
TYPICAL CONNECTION OF DIGITAL CONTROL DEVICES. NUMBER OF DEVICES AND TYPE OF DEVICES SHOULD BE PROVIDED PER FLOOR PLANS. DEVICES SHOULD BE CONNECTED WITH CONTROL WIRE AND CAPABLE OF PROVIDING COMMUNICATION BETWEEN DEVICES. IF REQUIRED PER SEQUENCE OF OPERATION, DEVICES SHALL BE CONNECTED BACK TO SYSTEM HEAD END FOR TIME BASED AND PROFILE BASED CONTROL.

1. WIRELESS PLUG LOAD CONTROLLER, 20A. PROVIDE CONTROLLERS AS REQUIRED TO PROVIDE ON/OFF CONTROL OF DESIGNATED RECEPTACLES IN AREA.
2. WIRELESS LOW VOLTAGE SWITCH. PROVIDE PER FLOOR PLANS AND COORDINATE BUTTONS AS REQUIRED BY SEQUENCE OF OPERATION FOR SPACE.
3. LOW VOLTAGE CEILING MOUNTED VACANCY SENSOR. CONNECT SENSORS TO LOAD CONTROLLER(S) VIA 18/3 POWER/DATA CABLE. PROVIDE SENSORS IN ROOMS LOCATED ON PLANS. PROVIDE TYPES AND QUANTITIES REQUIRED TO PROVIDE FULL COVERAGE WITHIN SPACE.
4. WIRELESS DIGITAL LOAD CONTROLLER. PROVIDE ON/OFF AND 0-10V DIMMING CONTROLLERS AS REQUIRED PER COORDINATION WITH APPROVED LIGHTING FIXTURE PACKAGE.

BASIS OF DESIGN: SENSORWORX

1 TYPICAL WIRELESS LIGHTING CONTROL DIAGRAM
NO SCALE

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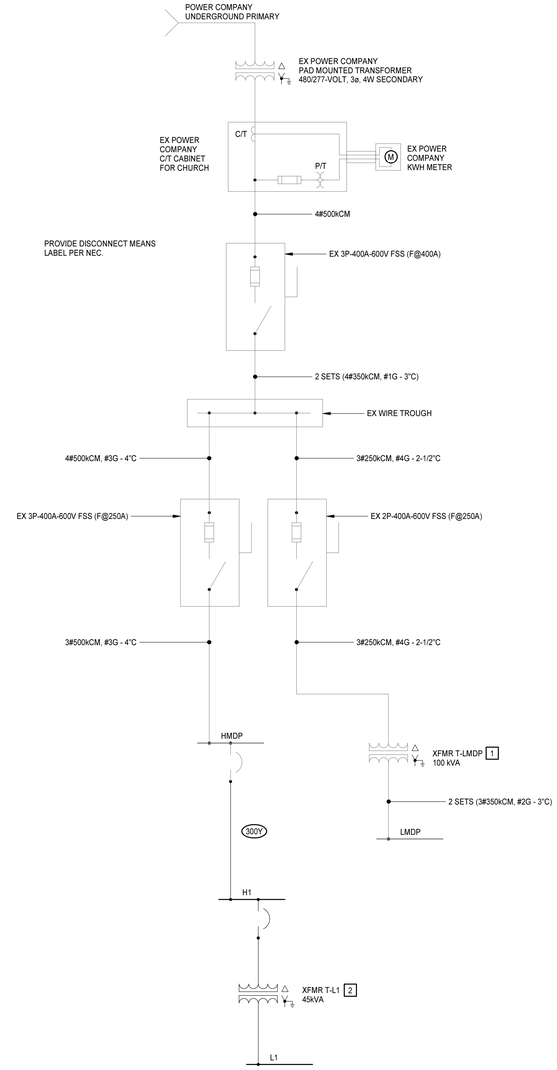
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ONE LINE DIAGRAM
NO SCALE

COPPER FEEDER SCHEDULE

FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE	FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE	FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE
20S	1	2#12,#12 G	3/4"	20	1	3#12,#12 G	3/4"	20Y	1	4#12,#12 G	3/4"
30S	1	2#10,#10 G	3/4"	30	1	3#10,#10 G	3/4"	30Y	1	4#10,#10 G	3/4"
35S	1	2#8,#10 G	3/4"	35	1	3#8,#10 G	3/4"	35Y	1	4#8,#10 G	3/4"
40S	1	2#8,#10 G	3/4"	40	1	3#8,#10 G	3/4"	40Y	1	4#8,#10 G	3/4"
45S	1	2#6,#10 G	1"	45	1	3#6,#10 G	1"	45Y	1	4#6,#10 G	1"
50S	1	2#6,#10 G	1"	50	1	3#6,#10 G	1"	50Y	1	4#6,#10 G	1"
60S	1	2#4,#10 G	1"	60	1	3#4,#10 G	1"	60Y	1	4#4,#10 G	1"
70S	1	2#4,#8 G	1 1/4"	70	1	3#4,#8 G	1 1/4"	70Y	1	4#4,#8 G	1 1/4"
80S	1	2#3,#8 G	1 1/4"	80	1	3#3,#8 G	1 1/4"	80Y	1	4#3,#8 G	1 1/4"
90S	1	2#2,#8 G	1 1/4"	90	1	3#2,#8 G	1 1/4"	90Y	1	4#2,#8 G	1 1/4"
100S	1	2#,#6 G	1 ?	100	1	3#1,#6 G	1 ?	100Y	1	4#1,#6 G	2"
110S	1	2#1,#6 G	1 ?	110	1	3#1,#6 G	1 ?	110Y	1	4#1,#6 G	2"
125S	1	2#1,#6 G	1 ?	125	1	3#1,#6 G	1 ?	125Y	1	4#1,#6 G	2"
150S	1	2#1/0,#6 G	2"	150	1	3#1/0,#6 G	2"	150Y	1	4#1/0,#6 G	2"
175S	1	2#2/0,#6 G	2"	175	1	3#2/0,#6 G	2"	175Y	1	4#2/0,#6 G	2"
200S	1	2#3/0,#6 G	2"	200	1	3#3/0,#6 G	2"	200Y	1	4#3/0,#6 G	2"
225S	1	2#4/0,#4 G	2 1/2"	225	1	3#4/0,#4 G	2 1/2"	225Y	1	4#4/0,#4 G	2 1/2"
250S	1	2-250kCM,#4 G	2 1/2"	250	1	3-250kCM,#4 G	2 1/2"	250Y	1	4-250kCM,#4 G	2 1/2"
300S	1	2-350kCM,#4 G	2 1/2"	300	1	3-350kCM,#4 G	2 1/2"	300Y	1	4-350kCM,#4 G	2 1/2"
350S	2	2#2/0,#3 G	2"	350	2	3#2/0,#3 G	2"	350Y	2	4#2/0,#3 G	2"
400S	2	2#3/0,#3 G	2"	400	2	3#3/0,#3 G	2"	400Y	2	4#3/0,#3 G	2"
450S	2	2#4/0,#2 G	2 1/2"	450	2	3#4/0,#2 G	2 1/2"	450Y	2	4#4/0,#2 G	2 1/2"
500S	2	2-250kCM,#2 G	2 1/2"	500	2	3-250kCM,#2 G	2 1/2"	500Y	2	4-250kCM,#2 G	2 1/2"
600S	2	2-350kCM,#1 G	3"	600	2	3-350kCM,#1 G	3"	600Y	2	4-350kCM,#1 G	3"
700S	2	2-500kCM,#1/0 G	4"	700	2	3-500kCM,#1/0 G	4"	700Y	2	4-500kCM,#1/0 G	4"
800S	3	2-350kCM,#1/0 G	3"	800	3	3-350kCM,#1/0 G	3"	800Y	3	4-350kCM,#1/0 G	3"
1000S	3	2-500kCM,#2/0 G	4"	1000	3	3-500kCM,#2/0 G	4"	1000Y	3	4-500kCM,#2/0 G	4"
1200S	4	2-350kCM,#3/0 G	3"	1200	4	3-350kCM,#3/0 G	3"	1200Y	4	4-350kCM,#3/0 G	3"
1600S	5	2-500kCM,#4/0 G	4"	1600	5	3-500kCM,#4/0 G	4"	1600Y	5	4-500kCM,#4/0 G	4"
2000S	6	2-500kCM,#250 G	4"	2000	6	3-500kCM,#250 G	4"	2000Y	6	4-500kCM,#250 G	4"
2500S	7	2-500kCM,#350 G	4"	2500	7	3-500kCM,#350 G	4"	2500Y	7	4-500kCM,#350 G	4"

NOTES:
1. VERIFY CONDUIT SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.
2. FEEDER SIZES BASED ON TABLE 310.15(B)(16), 75° C.
3. SIZES ADJUSTED PER NEC 110.14.

ALUMINUM FEEDER WITH COPPER GROUND SCHEDULE

FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE	FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE
110	1	3#1/0,#6 G	2"	110Y	1	4#1/0,#6 G	2"
125	1	3#2/0,#6 G	2"	125Y	1	4#2/0,#6 G	2"
150	1	3#3/0,#6 G	2"	150Y	1	4#3/0,#6 G	2"
175	1	3#4/0,#6 G	2 1/2"	175Y	1	4#4/0,#6 G	2 1/2"
200	1	3-250kCM,#6 G	2 1/2"	200Y	1	4-250kCM,#6 G	2 1/2"
225	1	3-300kCM,#4 G	2 1/2"	225Y	1	4-300kCM,#4 G	2 1/2"
250	1	3-350kCM,#4 G	2 1/2"	250Y	1	4-350kCM,#4 G	2 1/2"
300	1	3-500kCM,#4 G	4"	300Y	1	4-500kCM,#4 G	4"
350	2	3#4/0,#3 G	2 1/2"	350Y	2	4#4/0,#3 G	2 1/2"
400	2	3-250kCM,#3 G	2 1/2"	400Y	2	4-250kCM,#3 G	2 1/2"
450	2	3-300kCM,#2 G	2 1/2"	450Y	2	4-300kCM,#2 G	2 1/2"
500	2	3-350kCM,#2 G	2 1/2"	500Y	2	4-350kCM,#2 G	2 1/2"
600	2	3-500kCM,#1 G	4"	600Y	2	4-500kCM,#1 G	4"
700	3	3-350kCM,#1/0 G	2 1/2"	700Y	3	4-350kCM,#1/0 G	2 1/2"
800	3	3-500kCM,#1/0 G	4"	800Y	3	4-500kCM,#1/0 G	4"
1000	4	3-350kCM,#2/0 G	2 1/2"	1000Y	4	4-350kCM,#2/0 G	2 1/2"
1200	4	3-500kCM,#3/0 G	4"	1200Y	4	4-500kCM,#3/0 G	4"
1600	6	4-500kCM,#4/0 G	4"	1600Y	6	4-500kCM,#4/0 G	4"
2000	7	4-500kCM,#4/0 G	4"	2000Y	7	4-500kCM,#4/0 G	4"
2500	9	4-500kCM,#4/0 G	4"	2500Y	9	4-500kCM,#4/0 G	4"

NOTES:
1. VERIFY CONDUIT SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.
2. FEEDER SIZES BASED ON TABLE 310.15(B)(16), 75° C.
3. SIZES ADJUSTED PER NEC 110.14.

TRANSFORMER SCHEDULE

KVA	TYPE	PRIMARY	SECONDARY	COPPER PRIMARY FEEDER	COPPER SECONDARY FEEDER	BONDING CONDUCTOR
15 kVA	LINEAR	480V-3Ø	208Y/120V	3#10, #10 G, 3/4" C.	4#4, #8 G, 1-1/4" C.	#8
30 kVA	LINEAR	480V-3Ø	208Y/120V	3#6, #10 G, 1" C.	4#1, #6 G, 1-1/2" C.	#6
45 kVA	LINEAR	480V-3Ø	208Y/120V	3#4, #8 G, 1-1/4" C.	4#1/0, #6 G, 2" C.	#6
75 kVA	LINEAR	480V-3Ø	208Y/120V	3#1, #6 G, 1-1/2" C.	4-250kCM, #2 G, 2-1/2" C.	#2
112.5 kVA	LINEAR	480V-3Ø	208Y/120V	3#2/0, #6 G, 2" C.	(2 SETS) 4-3/0, #2 G, 2-1/2" C.	#2
150 kVA	LINEAR	480V-3Ø	208Y/120V	3#4/0, #4 G, 2-1/2" C.	(2 SETS) 4-250kCM, #2/0 G, 2-1/2" C.	#2/0
225 kVA	LINEAR	480V-3Ø	208Y/120V	(2 SETS) 3#2/0, #3 G, 2" C.	(3 SETS) 4-350kCM, #2/0 G, 3" C.	#2/0
300 kVA	LINEAR	480V-3Ø	208Y/120V	(2 SETS) 3#4/0, #2 G, 2-1/2" C.	(4 SETS) 4-350kCM, #4/0 G, 4" C.	#3/0
500 kVA	LINEAR	480V-3Ø	208Y/120V	(3 SETS) 3-350kCM, #1/0 G, 4" C.	(6 SETS) 4-350kCM, 300kCM G, 4" C.	#3/0

GENERAL NOTES

A. PROVIDE PHENOLIC NAMEPLATE LABELS FOR ALL EXISTING & NEW ELECTRICAL DISTRIBUTION EQUIPMENT IAW NEC 110.22(A), 110.24 & 408.4.

KEYNOTES
APPLIES TO THIS DRAWING
REPRESENTED BY n

1. EXISTING 100kVA, 480V-240/120V-1PH-3W TRANSFORMER.
2. REFER TO TRANSFORMER SCHEDULE FOR PRIMARY & SECONDARY FEEDER SIZES.

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POWER ONE-LINE DIAGRAM

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LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	SERIES NO.	VOLTAGE	WATTAGE	FINISH COLOR	MOUNTING TYPE	LIGHT SOURCE	LUMENS	CCT	CRI	DRIVER	OPTIONS & ACCESSORIES	COMMENTS
A	2' X 4' RECESSED LED PANEL WITH DIMMABLE DRIVER, DIFFUSE FLAT SMOOTH CENTER DIFFUSER & WHITE FINISH	DAY-BRITE	2FGX SERIES	120 V	30	WHITE	RECESSED	LED	4000	4000K	90			
A1	2' X 4' RECESSED LED FIXTURE WITH DIMMABLE DRIVER, DIFFUSE FLAT SMOOTH CENTER DIFFUSER & WHITE FINISH	DAY-BRITE	2FGX SERIES	120 V	41	WHITE	RECESSED	LED	5000	4000K	90			
A1E	2' X 4' RECESSED LED FIXTURE WITH DIMMABLE DRIVER, DIFFUSE FLAT SMOOTH CENTER DIFFUSER, WHITE FINISH & INTEGRAL BATTERY BACK-UP	DAY-BRITE	2FGX SERIES	120 V	41	WHITE	RECESSED	LED	5000	4000K	90		NOTE 3	
AE	2' X 4' RECESSED LED PANEL WITH DIMMABLE DRIVER, DIFFUSE FLAT SMOOTH CENTER DIFFUSER, WHITE FINISH & INTEGRAL BATTERY BACK-UP	DAY-BRITE	2FGX SERIES	120 V	30	WHITE	RECESSED	LED	4000	4000K	90		NOTE 3	
B	2' LINEAR LED FIXTURE WITH DIMMABLE DRIVER & WHITE FINISH	DAY-BRITE	FSS SERIES	120 V	20	WHITE	WALL	LED	2000	4000K	90			
B1	4' LINEAR LED STRIP FIXTURE WITH DIMMABLE DRIVER & WHITE FINISH	DAY-BRITE	FSS SERIES	120 V	40	WHITE	UNIVERSAL	LED	4000	4000K			NOTE 3	NOTE 1
B1E	4' LINEAR LED STRIP FIXTURE WITH DIMMABLE DRIVE, WHITE FINISH & INTEGRAL BATTERY BACK-UP	DAY-BRITE	FSS SERIES	120 V	40	WHITE	UNIVERSAL	LED	4000	4000K			NOTE 3	
C	4' LINEAR LED FIXTURE WITH DIMMABLE DRIVER, PERFORMANCE SYMMETRIC FLUSH MESO OPTICS LENS & WHITE FINISH	LEDALITE	29 SERIES	120 V	30	WHITE	SURFACE	LED	4000	4000K				
C1	8' LINEAR LED FIXTURE WITH DIMMABLE DRIVER, PERFORMANCE SYMMETRIC FLUSH MESO OPTICS LENS & WHITE FINISH	LEDALITE	29 SERIES	120 V	60	WHITE	SURFACE	LED	8000	4000K				
C1E	8' LINEAR LED FIXTURE WITH DIMMABLE DRIVER, PERFORMANCE SYMMETRIC FLUSH MESO OPTICS LENS, WHITE FINISH & INTEGRAL BATTERY BACK-UP	LEDALITE	29 SERIES	120 V	60	WHITE	SURFACE	LED	8000	4000K			NOTE 3	
CE	4' LINEAR LED FIXTURE WITH DIMMABLE DRIVER, PERFORMANCE SYMMETRIC FLUSH MESO OPTICS LENS & WHITE FINISH	LEDALITE	29 SERIES	120 V	30	WHITE	SURFACE	LED	4000	4000K			NOTE 3	
X	LED EXIT SIGN WITH WHITE FACE, GREEN LETTERS TWO FULLY ADJUSTABLE LED HEADS & INTEGRAL BATTERY BACK-UP.	CHLORIDE	VLTC SERIES	120 V	13	<varies>	UNIVERSAL	LED	-	-	-			

GENERAL NOTES:

A. ALL FIXTURES SHALL BE CAPABLE OF 120V AND 277V INPUT (MVOLT), UNO.
B. REFER TO LIGHTING PLANS AND SPECIFICATIONS FOR ADDITIONAL FIXTURE INFORMATION.
C. KITCHEN FIXTURES: INSTALL LENS WITH SMOOTH SIDE OUT.
D. ALL LENS SHALL BE A MINIMUM 0.125" THICKNESS, UNO.
E. WHERE FINISH OR FIXTURE COLOR IS INDICATED AS "TBD". IT SHALL BE SELECTED WITH THE PROJECT'S INTERIOR COLOR SELECTIONS IN ACCORDANCE WITH 09010 - PAINTING.
F. PROVIDE NUMBER OF FACES AND DIRECTIONAL CHEVRONS FOR EXIT SIGNS AS INDICATED ON DWGS.
G. PROVIDE LABEL AND LISTING DOCUMENTATION WITH LIGHTING FIXTURE SUBMITAL FOR EACH FIXTURE AND LABEL/LISTING INDICATED IN LIGHT FIXTURE SCHEDULE

OPTIONS & ACCESSORIES:

1. 90 MINUTE EMERGENCY BATTERY PACK.
2. INTEGRAL OCCUPANCY SENSOR.
3. PROVIDE AIR CRAFT CABLES TO SUSPEND FIXTURE +8'-0" AFF.

COMMENTS:

1. COORDINATE INSTALLATION OF SUSPENDED LIGHT FIXTURE WITH STRUCTURAL, MECHANICAL, PLUMBING AND FIRE PROTECTION ELEMENTS.
2. PROVIDE FIXTURE AS MAXIMUM CONTINUOUS LENGTH, 4FT LENGTHS SHOWN ON DRAWINGS SCHEMATIC ONLY.

Moseley
1414 KEY HIGHWAY, SECOND FLOOR
BALTIMORE, MD 21230
PHONE (410) 539-4300
MOSELEYDESIGNS.COM

DIGITAL SIGNATURE LOCATION:

PROFESSIONAL CERTIFICATION

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER: 22035, EXPIRATION DATE: MARCH 1, 2027.

PATTERSON PARK PUBLIC CHARTER SCHOOL

661123
Ph. 1 Fitout of St. Elizabeth's Church
2700 E. BALTIMORE ST, BALTIMORE, MD 21224

PROJECT NO: 661123 DATE: OCTOBER 23, 2026
SUBMITTAL: PERMIT SUBMISSION

REVISIONS	
DATE	DESCRIPTION

LIGHT FIXTURE SCHEDULE

E6.2

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PANELBOARD SCHEDULE — H1

400 AMP MLO | 480/277 Wye | 3 PH 4 W | LOCATION: BOILER ROOM / EQUIP. /... | MOUNT: SURFACE | FED FROM: HMDP | PANEL ASSEMBLY RATED (KAIC): 42 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1				5.8	5.3								2
3	30 A	3	VPU-1			5.8	5.3			VPU-2	3	25 A	4
5								5.8	5.3				6
7				5.3	6.0								8
9	25 A	3	VPU-3			5.3	6.0			VPU-4	3	30 A	10
11								5.3	6.0				12
13				10.4	--								14
15	70 A	3	PBD L1 VIA XFMR T-L1			11.2	--			SPACE ONLY	3	--	16
17								13.4	--				18
19				--	--								20
21	--	3	SPACE ONLY			--	--			SPACE ONLY	3	--	22
23								--	--				24
25				--	--								26
27	--	3	SPACE ONLY			--	--			SPACE ONLY	3	--	28
29								--	--				30
				33 kVA		34 kVA		36 kVA					
				118 A		122 A		130 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 210.8. PROVIDE DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. PROVIDE DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0 VA	0.00%	0 VA
EXTERIOR LIGHTING	0 VA	0.00%	0 VA
RECEPTACLES	10080 VA	99.60%	10040 VA
HVAC	74275 VA	100.00%	74275 VA
ELECTRIC HEAT	16498 VA	100.00%	16498 VA
KITCHEN	0 VA	0.00%	0 VA
MISCELLANEOUS	1100 VA	100.00%	1100 VA

Panel Totals
Total Conn. Load: 101.9 kVA
Total Est. Demand: 101.9 kVA
Total Conn. Current: 123 A
Total Est. Demand Current: 123 A

PANELBOARD SCHEDULE — L1

150 AMP MCB | 120/208 Wye | 3 PH 4 W | LOCATION: BOILER ROOM / EQUIP. /... | MOUNT: SURFACE | FED FROM: T-L1 | PANEL ASSEMBLY RATED (KAIC): 10 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1	15 A	2	ERV-1	0.7	0.9					HP-1	2	15 A	2
3						0.7	0.9						4
5	50 A	3	HP-1 HEATER					4.7	1.5	HEATER UH-1	2	20 A	6
7				4.7	1.5								8
9						4.7	2.6			CU-1	2	50 A	10
11	20 A	1	EXHAUST FANS					0.5	2.6				12
13	20 A	1	UTILITY 018 & OUTDOOR RECS	0.5	0.4					STORAGE 021 RECS 1	1	20 A	14
15	20 A	1	STORAGE 021 RECS 2			0.4	0.5			LAB 017 RECS 1	1	20 A	16
17	20 A	1	LAB 017 RECS 2					0.5	0.4	MUSIC 016 RECS 1	1	20 A	18
19	20 A	1	MUSIC 016 RECS 2	0.4	0.5					ROBOTICS/ MAKER SPACE 015 RECS 2	1	20 A	20
21	20 A	1	ROBOTICS/ MAKER SPACE 015 RECS 1			0.7	0.5			OFFICE 013 RECS	1	20 A	22
23	20 A	1	CORRIDOR RECS					1.1	0.5	MUSIC 010 RECS 1	1	20 A	24
25	20 A	1	MUSIC 010 RECS 2	0.5	0.5					MUSIC 010 VIDEO PROJECTOR & WHITE BOARD...	1	20 A	26
27	20 A	1	ART 011 RECS 2			0.5	0.4			ART 011 RECS 1	1	20 A	28
29	20 A	1	ART 011 VIDEO PROJECTOR & WHITE BOARD RECS					0.5	0.4	OFFICE 008 RECS 2	1	20 A	30
31	20 A	1	OFFICE 008 RECS 1	0.4	0.4					UTILITY 007 RECS	1	20 A	32
33	20 A	1	FACP (L)			0.1	0.0			SPARE	1	20 A	34
35	20 A	1	AREA OF REFUGE E-CALL SYSTEM (L)					1.0	0.0	SPARE	1	20 A	36
37	20 A	1	SPARE	0.0	0.0					SPARE	1	20 A	38
39	20 A	1	SPARE			0.0	0.0			SPARE	1	20 A	40
41	20 A	1	SPARE					0.0	0.0	SPARE	1	20 A	42
				10 kVA		11 kVA		13 kVA					
				87 A		94 A		113 A					

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(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE OFF.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0 VA	0.00%	0 VA
EXTERIOR LIGHTING	0 VA	0.00%	0 VA
RECEPTACLES	10080 VA	99.60%	10040 VA
HVAC	7513 VA	100.00%	7513 VA
ELECTRIC HEAT	16498 VA	100.00%	16498 VA
KITCHEN	0 VA	0.00%	0 VA
MISCELLANEOUS	1100 VA	100.00%	1100 VA

Panel Totals
Total Conn. Load: 34.9 kVA
Total Est. Demand: 34.9 kVA
Total Conn. Current: 97 A
Total Est. Demand Current: 97 A

PANELBOARD SCHEDULE — HMDP

600 AMP MLO | 480/277 Wye | 3 PH 4 W | LOCATION: MAIN ELECTRICAL ROOM | MOUNT: SURFACE | FED FROM: UTILITY | PANEL ASSEMBLY RATED (KAIC): 42 KAIC

CKT	BRKR	POLE	LOAD	A		B		C		LOAD	POLE	BRKR	CKT
1				32.6	--								2
3	300 A	3	PBD H1 (EB)			33.5	--			SPACE ONLY	3	--	4
5								35.8	--				6
7				--	0.0								8
9	--	3	SPACE ONLY			--	0.0			PBD P1 VIA XFMR T-P1	3	40 A	10
11								--	0.0				12
13				0.0	0.0								14
15	40 A	3	UPPER CHURCH			0.0	0.0			SPARE	3	20 A	16
17								0.0	0.0				18
19				0.0	0.0								20
21	20 A	3	SPARE			0.0	0.0			SPARE	3	20 A	22
23								0.0	0.0				24
25				0.0	0.0								26
27	20 A	3	SPARE			0.0	0.0			SPARE	3	15 A	28
29								0.0	0.0				30
31				0.0	0.0								32
33	15 A	3	SPARE			0.0	0.0			SPARE	3	15 A	34
35								0.0	0.0				36
37				0.0	0.0								38
39	15 A	3	SPARE			0.0	0.0			SPARE	3	15 A	40
41								0.0	0.0				42
				33 kVA		34 kVA		36 kVA					
				118 A		122 A		130 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER NEC 210.8. PROVIDE DED. NEUTRAL.
(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. PROVIDE DED. NEUTRAL.
(L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING.
(LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR.
(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE.
(EB) = REUSE EXISTING BREAKER, CONNECT LOAD INDICATED.
(RB) = REPLACE BREAKER WITH SIZE INDICATED.
(PB) = PROVIDE BREAKER IN EXISTING SPACE.
NOTE: UNLESS NOTED OTHERWISE, ALL CIRCUIT BREAKERS AND CONNECTED LOADS ARE EXISTING TO REMAIN.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0 VA	0.00%	0 VA
EXTERIOR LIGHTING	0 VA	0.00%	0 VA
RECEPTACLES	10080 VA	99.60%	10040 VA
AC / HEAT PUMP	0 VA	0.00%	0 VA
ELECTRIC HEAT	16498 VA	100.00%	16498 VA
KITCHEN	0 VA	0.00%	0 VA
MISCELLANEOUS	1100 VA	100.00%	1100 VA
EXISTING LOAD @ 125%	0 VA	0.00%	0 VA

Panel Totals
Total Conn. Load: 101.9 kVA
Total Est. Demand: 101.9 kVA
Total Conn. Current: 123 A
Total Est. Demand Current: 123 A

PANELBOARD SCHEDULE — LMDP

500 AMP MCB | 120/240 Single | 1 PH 3 W | LOCATION: MAIN ELECTRICAL ROOM | MOUNT: SURFACE | FED FROM: T-LMDP | PANEL ASSEMBLY RATED (KAIC): 10 KAIC

CKT	BRKR	POLE	LOAD	A		B		LOAD	POLE	BRKR	CKT
1	225 A	2	PBD P2	0.0	--						
3						0.0	--	SPACE ONLY	2	--	4
5	100 A	2	PBD A	0.0	0.0						6
7						0.0	0.0	SPARE	2	100 A	8
9	100 A	2	SPARE	0.0	0.0						10
11						0.0	0.0	PBD B	2	100 A	12
13	70 A	2	SPARE	0.0	0.0						14
15						0.0	0.0	SPARE	2	70 A	16
17	50 A	2	SPARE	0.0	0.0						18
19						0.0	0.0	SPARE	2	50 A	20
				0 kVA		0 kVA					
				0 A		0 A					

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(GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-6mA PER NEC 210.8. PROVIDE DED. NEUTRAL.
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(ML) = PROVIDE BREAKER WITH MAINTENANCE LOCKOUT, LOCKABLE.
(EB) = REUSE EXISTING BREAKER, CONNECT LOAD INDICATED.
(RB) = REPLACE BREAKER WITH SIZE INDICATED.
(PB) = PROVIDE BREAKER IN EXISTING SPACE.
NOTE: UNLESS NOTED OTHERWISE, ALL CIRCUIT BREAKERS AND CONNECTED LOADS ARE EXISTING TO REMAIN.

Load Classification	Connected Load	Demand Factor	Estimated Demand
INTERIOR LIGHTING	0 VA	0.00%	0 VA
EXTERIOR LIGHTING	0 VA	0.00%	0 VA
RECEPTACLES	0 VA	0.00%	0 VA
AC / HEAT PUMP	0 VA	0.00%	0 VA
ELECTRIC HEAT	0 VA	0.00%	0 VA
KITCHEN	0 VA	0.00%	0 VA
MISCELLANEOUS	0 VA	0.00%	0 VA
EXISTING LOAD @ 125%	0 VA	0.00%	0 VA

Panel Totals
Total Conn. Load: 0.0 kVA
Total Est. Demand: 0.0 kVA
Total Conn. Current: 0 A
Total Est. Demand Current: 0 A

Moseley
1414 KEY HIGHWAY, SECOND FLOOR
BALTIMORE, MD 21230
PHONE (410) 539-4300
MOSELEYDESIGNS.COM

DIGITAL SIGNATURE LOCATION:

PROFESSIONAL CERTIFICATION
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER: 22031, EXPIRATION DATE MARCH 1, 2027.

PATTERSON PARK PUBLIC CHARTER SCHOOL

661123
Ph. 1 Fitout of St. Elizabeth's Church
2700 E. BALTIMORE ST, BALTIMORE, MD 21224

PROJECT NO: 661123 | DATE: OCTOBER 23, 2026
SUBMITTAL: PERMIT SUBMISSION

REVISIONS

DATE	DESCRIPTION

PANELBOARD SCHEDULES

E7.1

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