

GENERAL NOTES - REMOVALS

A. THIS INFORMATION REPRESENTS EXISTING CONDITIONS BASED ON ORIGINAL DRAWINGS AND OBSERVED SITE CONDITIONS. NOT ALL CONDUIT, WIRE, FIXTURES AND DEVICES ARE SHOWN. FIELD VERIFY THE EXACT REQUIREMENTS IN ALL REMOVAL AREAS. DISCONNECT AND REMOVE ALL ELECTRICAL WORK THAT IS SHOWN DASHED ON REMOVAL PLANS AND ALL ELECTRICAL WORK IN RENOVATION AREAS THAT IS NOT BEING REUSED. REMOVE ALL BRANCH CIRCUITING, LOW VOLTAGE CABLING, SUPPORTING DEVICES, RACEWAY, AND ASSOCIATED TERMINATION HARDWARE.

B. "ERL" ADJACENT TO A DEVICE, FIXTURE OR PIECE OF EQUIPMENT INDICATES AN EXISTING ITEM TO BE RELOCATED. DISCONNECT AND REMOVE THE ITEM. REMOVE ALL UNNECESSARY RACEWAY AND WIRING. REINSTALL AND RECONNECT THE ITEM AS REQUIRED.

C. "EXR" ADJACENT TO A DEVICE FIXTURE OR PIECE OF EQUIPMENT INDICATES AN EXISTING ITEM TO REMAIN. MAINTAIN EXISTING CONNECTIONS TO EQUIPMENT UNLESS NOTED OTHERWISE.

D. PROVIDE FIRE STOPPING CUTTING, PATCHING AND PAINTING AS REQUIRED TO REPAIR HOLES OR OTHER PHYSICAL DEFECTS CAUSED BY THE REMOVAL OR INSTALLATION OF EQUIPMENT AND DEVICES. THE CONTRACTOR SHALL PROVIDE A QUALIFIED TRADES PERSON TO RESTORE FINISHED WALLS TO ORIGINAL CONDITIONS AND PAINT TO MATCH EXISTING COLORS.

E. PROVIDE STAINLESS STEEL BLANK COVER PLATES ON ALL UNUSED ELECTRICAL BOXES AFTER DEMOLITION AND INSTALLATION WORK IS COMPLETE. PROVIDE CEILING TILE REPLACEMENT FOR ALL ELECTRICAL ITEMS MOUNTED TO CEILING AFTER REMOVALS.

F. WHERE EXISTING DEVICES ARE BEING REMOVED AND THE REMOVAL BREAKS AN EXISTING BRANCH CIRCUIT TO DOWNSTREAM DEVICE THE CONTRACTOR SHALL PROVIDE ALL WIRING TO PERMANENTLY RECONNECT THE REMAINING DEVICE EQUIPMENT OR FIXTURE.

G. THE CONSTRUCTION MANAGER OR GENERAL CONTRACTOR WILL SCHEDULE ALL REMOVAL WORK. PRIOR TO BEGINNING REMOVAL WORK PROVIDE AN EXISTING CONDITION REPORT WITH PICTURES AND SUBMIT TO THE CONSTRUCTION MANAGER. ANY DAMAGES OR EXISTING CONDITIONS THAT ARE NOT DOCUMENTED WILL BE CORRECTED BY THE CONTRACTOR PRIOR TO FINAL COMPLETION.

H. LEGALLY DISPOSE OF ALL ELECTRICAL WIRING, DEVICES, BALLAST, LAMPS ETC. FOLLOW ALL LOCAL, STATE AND FEDERAL REGULATIONS REGARDING DISPOSAL OF HAZARDOUS WASTE.

I. FIELD VERIFY ALL IN WALL WIRING WHERE WALLS ARE BEING REMOVED. REROUTE WIRING AS REQUIRED.

J. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND CLARIFICATION.

K. THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL DEVICES AND IN-WALL BRANCH CIRCUITING WHERE WALLS ARE BEING DEMOLISHED. RELOCATE AND REWORK ALL DEVICES AND BRANCH CIRCUITING TO ALLOW FOR WALL DEMOLITION.

GENERAL NOTES - INSTALLATION

A. COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN. VERIFY DEVICE LOCATIONS ABOVE MILLWORK TO ENSURE CLEARANCE ABOVE THE COUNTER-TOP AND BACKSPLASH. DEVICES THAT INTERFERE WITH NEW CASEWORK, MILLWORK OR EQUIPMENT SHALL BE RELOCATED AT NO ADDITIONAL COST TO THE CONTRACT.

B. WHERE DEVICES ARE SCHEDULED TO BE INSTALLED IN CASEWORK AND MILLWORK SUPPLIED BY THE GENERAL CONTRACTOR, OBTAIN A SHOP DRAWING FROM THE GENERAL CONTRACTOR PRIOR TO ROUGHING. WHERE REQUIRED, CUT OPENINGS IN MILLWORK OR COORDINATE OPENINGS WITH THE GENERAL CONTRACTOR.

C. COORDINATE ALL CONDUIT RUNS WITH OTHER TRADES PRIOR TO ROUGH-IN. RELOCATE ANY CONDUITS AS NECESSARY TO PERMIT INSTALLATION OF DUCTWORK OR PIPING.

D. INSTALL ALL CIRCUITING CONCEALED INSIDE WALL CAVITY WHERE EVER POSSIBLE. PROVIDE SURFACE MOUNTED BACKBOXES AND RACEWAY FOR WIRING DEVICES LOCATED ON EXISTING SOLID WALL CONSTRUCTION. PROVIDE SHALLOW TYPE BACKBOXES FOR SURFACE MOUNTED POWER AND SWITCHING APPLICATIONS. REFER TO ARCHITECTURAL PLANS FOR WALL TYPES.

E. FIRESTOP ALL LOW VOLTAGE SLEEVES AND PENETRATIONS AFTER INSTALLATION OF CABLE.

F. PROVIDE OPEN TOP CABLE HANGERS 4' ON CENTER SUPPORTED TO SUPPORT ALL LOW VOLTAGE CABLING ABOVE ACCESSIBLE CEILINGS. PROVIDE SEPARATE CABLE HANGERS FOR BACKBONE CABLING, HORIZONTAL CABLING, PUBLIC ADDRESS & SECURITY CABLING, AND FIRE ALARM CABLING. INSTALL ALL EXPOSED CABLES IN EMT CONDUIT OR SURFACE RACEWAY IN FINISHED AREAS.

G. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.

H. OBTAIN WIRING AND INSTALLATION DIAGRAMS FOR ALL ELECTRICAL CONNECTIONS TO EQUIPMENT PROVIDED BY THE GENERAL, MECHANICAL OR PLUMBING CONTRACTORS PRIOR TO ROUGHING. WORK THAT IS NOT PROPERLY COORDINATED WILL BE RELOCATED AT NO COST TO THE OWNER.

I. COORDINATE THE LOCATION OF ALL RECEPTACLES, COMMUNICATIONS OUTLETS, AND OTHER DEVICES WITH FURNITURE AND MILLWORK CONTRACTORS PRIOR TO ROUGH-IN.

GENERAL NOTES - SITE

A. UNLESS OTHERWISE NOTED ALL CONDUITS ON THE SITE ARE DIRECT BURIED. REFER TO SITE DETAILS FOR ADDITIONAL WORK REQUIRED.

B. ALL EXCAVATION AND BACK FILL TO BE PROVIDED BY THE SITE CONTRACTOR. REFER TO SITE CONTRACTORS DETAILS AND REQUIREMENTS FOR ADDITIONAL INFORMATION.

C. UNLESS OTHERWISE NOTED, FOR UNDERGROUND CONDUIT RUNS, PROVIDE SCHEDULE 80 PVC CONDUITS FOR HORIZONTAL UNDERGROUND CONDUIT SECTIONS. PROVIDE PVC-TO-GRS-ADAPTERS, GRS 90 DEGREE SWEEPS, AND GRS VERTICAL CONDUIT SECTIONS.

D. SITE CONTRACTOR IS RESPONSIBLE TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATION WORK.

E. VERIFY FINAL GRADE ELEVATIONS WITH SITE CONTRACTOR PRIOR TO SETTING HANDHOLES, PULLBOXES AND POLES. CONDUITS, MANHOLE COVERS, HANDHOLE COVERS, AND CONCRETE EQUIPMENT PADS SHALL BE COORDINATED WITH FINAL GRADES INDICATED ON SITE CONTRACTOR'S PLANS.

GENERAL NOTES - POWER DISTRIBUTION

A. PROVIDE (2)#10, (1)#10 EGV WIRING FOR 120V, 20A BRANCH CIRCUITS EXCEEDING 100 FEET.

B. THE DRAWINGS SHOW GENERAL LOCATION OF DEVICES AND CONTROL EQUIPMENT. THE CONTRACTOR SHALL INSTALL ALL DEVICES AND CONTROLS TO MEET ALL NEC REQUIREMENTS. COORDINATE THE EXACT LOCATION IN THE FIELD.

C. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL CONNECTIONS TO ELECTRICAL EQUIPMENT PROVIDED BY OTHERS PRIOR TO ROUGH-IN.

D. PROVIDE DEDICATED NEUTRALS FOR ALL 120V, 20A, SINGLE PHASE BRANCH CIRCUITS.

E. DO NOT INSTALL NORMAL AND EMERGENCY POWER IN THE SAME RACEWAY, JUNCTION BOX, OR OUTLET BOX. PROVIDE SEPARATE OR SEGREGATED RACEWAY SYSTEMS.

F. WHERE BREAKERS ARE INSTALLED IN EXISTING PANELBOARDS, THE BREAKERS SHALL BE LISTED/LABELLED FOR USE IN THE EXISTING PANEL AND THE KAIC RATING SHALL MATCH THE KAIC RATING OF THE EXISTING PANEL.

G. WHERE BOXES ARE INSTALLED FLUSH IN A FIRE RATED WALL PROVIDE AN APPROVED ENDOTHERMIC WRAP AROUND THE ENTIRE ENCLOSURE. SEAL CONDUIT PENETRATIONS WITH APPROVED FIRE PUTTY.

H. NOT ALL FEEDERS ARE SHOWN IN PLAN. REFER TO ONE-LINE DIAGRAM. COORDINATE THE EXACT ROUTING IN THE FIELD. PROVIDE ALL REQUIRED OFFSETS AND PULL BOXES AS REQUIRED.

GENERAL NOTES - LIGHTING

A. REFER TO THE REFLECTED CEILING PLANS IN THE ARCHITECTURAL DRAWINGS FOR EXACT LIGHT FIXTURE LOCATIONS.

B. REFER TO ARCHITECTURAL ELEVATIONS FOR LOCATIONS OF ALL WALL MOUNTED FIXTURES. IF FIXTURES ARE NOT SHOWN, ISSUE AN RFI.

C. OCCUPANCY SENSOR LOCATIONS SHALL BE DETERMINED IN THE FIELD TO ACHIEVE OPTIMAL PERFORMANCE. PROVIDE ALL SENSITIVITY AND AIMING ADJUSTMENTS.

D. LIGHT FIXTURES INDICATING 0-10V DIMMING WITHIN LIGHTING FIXTURE SCHEDULE REQUIRE ADDITIONAL 2-WIRE CONTROL INTERFACE. REFER TO PLANS FOR EXACT LIGHT FIXTURES USING DIMMING. PROVIDE SEPARATE PATHWAYS FOR LINE VOLTAGE AND CONTROL WIRING.

GENERAL NOTES - FIRE ALARM

A. PROVIDE MODIFICATIONS AND WIRING AS REQUIRED TO CONNECT TO THE EDWARDS EST3 FIRE ALARM CONTROL PANEL (FACP), SERVICE PROVIDER - OPEN SYSTEMS (914) 241-0058.

B. PROVIDE FAN SHUTDOWN RELAYS FOR ALL FANS OVER 1000 CFM. VERIFY CFM ON MECHANICAL SCHEDULE AND PROVIDE SHUTDOWNS AS REQUIRED.

C. DO NOT INSTALL SMOKE DETECTORS WITHIN 3 FEET OF DIFFUSERS.

D. ALL WIRING SHALL BE IN STRICT COMPLIANCE WITH THE NATIONAL ELECTRIC CODE, AUTHORITIES HAVING JURISDICTION AND LOCAL CODES.

E. ALL WIRING TO BE INSTALLED IN POWER LIMITING FIRE PROTECTIVE SIGNALING CIRCUIT CABLING. CABLE SHALL BE PLENUM RATED.

F. ALL CONDUCTORS ARE TO BE PROPERLY TAGGED OR NUMBERED IN THE CONTROL PANEL AND CORRESPOND WITH CONTROL PANEL TERMINAL OR FIELD WIRE NUMBERS FOR IDENTIFICATION PURPOSES.

G. WIRING CIRCUITS MUST GO TO AND FROM EACH DEVICE. BRANCH CIRCUITS ARE NOT PERMITTED. POLARITY MUST BE OBSERVED THROUGHOUT.

H. EXTREME CARE MUST BE TAKEN TO AVOID GROUND FAULT CONDITIONS OF ALL CONDUCTORS.

I. PROVIDE SUPERVISED RELAY IN MOTOR CONTROL CIRCUIT FOR FAN SHUTDOWN, COORDINATE WITH DIVISION 23.

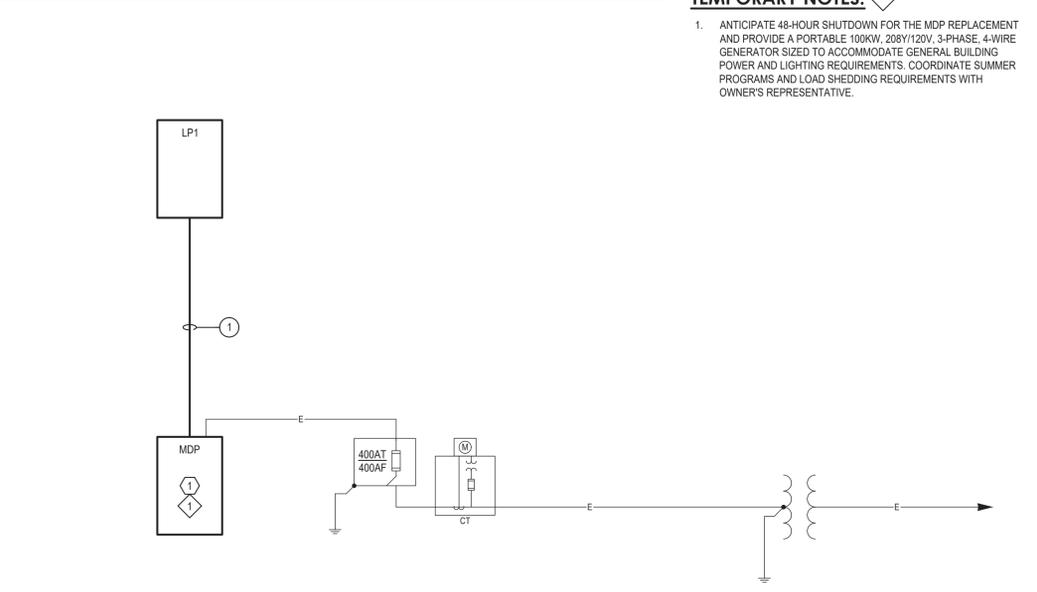
J. PROVIDE REMOTE TEST SWITCH FOR ALL DUCT MOUNTED SMOKE DETECTORS.

GENERAL NOTES - PUBLIC ADDRESS

A. PROVIDE MODIFICATIONS AND WIRING AS REQUIRED TO CONNECT TO THE RAULAND TELECENTER PUBLIC ADDRESS SYSTEM (PA), SERVICE PROVIDER - OPEN SYSTEMS (914) 241-0058.

B. WIRELESS CLOCKS PROVIDED BY OWNER.

FEEDER SCHEDULE								
DESIGNATION	SOURCE	LOAD	OCPD	PHASE	NEUTRAL	GROUND	CONDUIT	NOTES
①	MDP	LP1	225	(3)-#4/0	(1)-#4/0	(1)-#4	2-1/2"	



① ONE-LINE DIAGRAM
SCALE: NTS

DRAWING NOTES:

1. PROVIDE PANELBOARD REPLACEMENT. REFER TO PANELBOARD SCHEDULES FOR ADDITIONAL INFORMATION.

TEMPORARY NOTES:

1. ANTICIPATE 48-HOUR SHUTDOWN FOR THE MDP REPLACEMENT AND PROVIDE A PORTABLE 100KW, 208Y/120V, 3-PHASE, 4-WIRE GENERATOR SIZED TO ACCOMMODATE GENERAL BUILDING POWER AND LIGHTING REQUIREMENTS. COORDINATE SUMMER PROGRAMS AND LOAD SHEDDING REQUIREMENTS WITH OWNER'S REPRESENTATIVE.

ONE-LINE DIAGRAM

AF	FUSIBLE SWITCH
AT	AF - AMPERE FRAME AT - AMPERE TRIP
CT	CURRENT TRANSFORMER
PT	POTENTIAL TRANSFORMER
M	METER
T	TRANSFORMER REFER TO TRANSFORMER SCHEDULE
⊥	GROUND
—	FEEDER NOT CONNECTED
+	FEEDER CONNECTED
+	FEEDER CONNECTED
Ⓢ	FEEDER DESIGNATION REFER TO FEEDER SCHEDULE

SITE

—	UNDERGROUND ELECTRIC
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GENERAL

Ⓢ	REMOVAL NOTE
Ⓢ	INSTALLATION NOTE
///	OFFSET FOR CLARITY

MOUNTING HEIGHTS

UNLESS OTHERWISE NOTED, MOUNT DEVICES AND EQUIPMENT AT HEIGHTS MEASURED FROM FINISHED FLOOR TO DEVICE/ EQUIPMENT CENTERLINE AS LISTED BELOW.

COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN. WHERE STRUCTURAL OR OTHER INTERFERENCES PREVENT COMPLIANCE WITH MOUNTING HEIGHTS LISTED BELOW, CONSULT OWNER'S REPRESENTATIVE FOR APPROVAL TO CHANGE LOCATION BEFORE INSTALLATION.

TOGGLE SWITCHES	46"
RECEPTACLE OUTLETS	18"
RECEPTACLE OUTLETS ABOVE HOT WATER OR STEAM BASEBOARD HEATERS	30"
DO NOT INSTALL RECEPTACLES OVER ELECTRIC BASEBOARD HEATERS	N/A
RECEPTACLE OUTLETS, HAZARDOUS LOCATIONS	48"
RECEPTACLE OUTLETS, WEATHER PROOF, ABOVE GRADE	24"
CLOCKS, CLOCK	90"
TELECOMMUNICATION OUTLETS	18"
MULTIMEDIA OUTLETS	18"
TELEPHONE OUTLETS, WALL MOUNTED	46"
TELEVISION OUTLETS	18"
FIRE ALARM PULL STATION	46"
FIRE ALARM AUDIO/VISUAL WALL MOUNTED NOTIFICATION DEVICES	BOTTOM OF LENS
CARBON MONOXIDE DETECTOR	72"
NATURAL GAS DETECTOR	12" BELOW CEILING
PROPANE DETECTOR	12"
BRANCH CIRCUIT PANELBOARDS, TO THE TOP OF THE BACKBOX	72"
DISTRIBUTION PANELBOARDS, TO THE TOP OF THE BACKBOX	72"
TERMINAL CABINETS, CONTROL CABINETS TO THE TOP OF THE BACKBOX	72"
DISCONNECT SWITCHES, MOTOR STARTERS, ENCLOSED CIRCUIT BREAKERS	48"
"AC" ABOVE COUNTER	AC
ELEVATIONS FOR HEIGHT	

LIGHTING

F1	2'x4' LUMINAIRE CAPITAL LETTERS INDICATES FIXTURE TYPE REFER TO LUMINAIRE SCHEDULE
F2	2'x2' LUMINAIRE CAPITAL LETTERS INDICATES FIXTURE TYPE REFER TO LUMINAIRE SCHEDULE
F1	SUSPENDED DIRECT/INDIRECT OR SURFACE MOUNTED LUMINAIRE (TYPICAL) CAPITAL LETTERS INDICATES FIXTURE TYPE REFER TO LUMINAIRE SCHEDULE FOR LENGTH
F1	WALL MOUNTED LUMINAIRE (TYPICAL) CAPITAL LETTERS INDICATES FIXTURE TYPE REFER TO LUMINAIRE SCHEDULE FOR LENGTH
F1	DOWNLIGHT CAPITAL LETTERS INDICATES FIXTURE TYPE REFER TO LUMINAIRE SCHEDULE
H1	POLE MOUNTED LUMINAIRE CAPITAL LETTERS INDICATES FIXTURE TYPE REFER TO LUMINAIRE SCHEDULE
F1	EMERGENCY WALL MOUNTED LIGHT CAPITAL LETTERS INDICATE DIRECTION/EXIT REFER TO LUMINAIRE SCHEDULE
Y1	WALL MOUNTED EXIT SIGN ARROW/SHADING INDICATES DIRECTION/EXIT CAPITAL LETTERS INDICATES FIXTURE TYPE REFER TO LUMINAIRE SCHEDULE
S	SINGLE POLE SWITCH
S3	THREE WAY SWITCH
S4	FOUR WAY SWITCH
S5	DIMMER SWITCH
SOS	OCCUPANCY SENSOR LIGHT SWITCH
OS	CEILING MOUNTED OCCUPANCY SENSOR
TC	TIME CLOCK
LC	LIGHTING CONTACTOR

POWER

Ⓢ	DUPLEX RECEPTACLE
Ⓢ	DOUBLE DUPLEX RECEPTACLE
Ⓢ	PUSH BUTTON
J	JUNCTION BOX
1	HARD-WIRED ELECTRICAL CONNECTION NUMBER INDICATES ITEM REFER TO ELECTRIC EQUIPMENT AND CONTROL SCHEDULE
U	MOTOR CONNECTION NUMBER INDICATES ITEM REFER TO ELECTRIC EQUIPMENT AND CONTROL SCHEDULE
□	NON-FUSED DISCONNECT
■	SURFACE MOUNTED 208Y/120V BRANCH CIRCUIT PANELBOARD
□	EXISTING SURFACE MOUNTED 208Y/120V BRANCH CIRCUIT PANELBOARD
PNL	INDICATES HOMERUN TO PANEL
CKT#	PANEL NAME AND CKT NUMBERS INDICATED PROVIDE (2) #12 AWG, (1) #12 AWG EGC IN 3/4" UNLESS OTHERWISE NOTED

FIRE ALARM

S	SMOKE DETECTOR
S	DUCT SMOKE DETECTOR
H	HEAT DETECTOR 135° TYPE UNLESS OTHERWISE NOTED
F	FIRE ALARM PULL STATION
A	AUDIO/VISUAL NOTIFICATION DEVICE 15cd UNLESS OTHERWISE NOTED
V	VISUAL NOTIFICATION DEVICE 15cd UNLESS OTHERWISE NOTED
FACP	FIRE ALARM CONTROL PANEL
DH	DOOR HOLD OPEN
SD	SMOKE DAMPER

COMMUNICATIONS

DB	DATA BOX
▽#	EXISTING DATA DROP NUMBER = QUANTITY OF CABLES

PUBLIC ADDRESS

Ⓢ	CEILING MOUNTED SPEAKER
Ⓢ	WALL MOUNTED SPEAKER
PA	PUBLIC ADDRESS SYSTEM CONSOLE
Ⓢ	WALL MOUNTED CLOCK 12.5" DIAMETER UNLESS OTHERWISE NOTED

ABBREVIATIONS

A	AMPERE
AC	ABOVE COUNTER
AF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AIC	AMPERES INTERRUPTING CAPACITY
AL	ALUMINUM
AFC	ARC ENERGY REDUCTION
ASYM	ASYMMETRICAL
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY CONTACTS
AWG	AMERICAN WIRE GAUGE
BD	BUS DUCT
BR	BRANCH
C	CONDUIT
CB	CIRCUIT BREAKER
CD	CANDELA
CH	CABINET HEATER
CHT	CIRCUIT
CT	CURRENT TRANSFORMER
CU	COPPER
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CLG	CEILING
CONT	CONTACTOR
CP	CONTROL PANEL
DC	DIRECT CURRENT
Δ	DELTA CONNECTED
DISC	DISCONNECT
DF	DRINKING FOUNTAIN
DPST	DOUBLE POLE, SINGLE THROW
DPDT	DOUBLE POLE, DOUBLE THROW
EBB	ELECTRIC BASEBOARD
EG	ELECTRICAL CONTRACTOR
EGG	EQUIPMENT GROUND
EGC	EQUIPMENT GROUND CONDUCTOR
EM	EMERGENCY
EXP	EXPLOSION PROOF
EPR	ETHYLENE PROPYLENE RUBBER
EQ	EQUIPMENT
EXR	EXISTING TO REMAIN
ERL	EXISTING TO BE RELOCATED
EXIST	EXISTING
EX	EXISTING
EXP	EXPLOSION PROOF
ELECT	ELECTRIC
EMT	ELECTRIC METALLIC TUBING
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FARAP	FIRE ALARM REMOTE ANNUNCIATOR PANEL
FBO	FURNISHED BY OWNER
FC	FOOTCANDLE
FCAN	FULL CAPACITY ABOVE NORMAL
FCBN	FULL CAPACITY BELOW NORMAL
FLA	FULL LOAD AMPERES
FLUOR	FLUORESCENT
FWR	FULL VOLTAGE NON-REVERSING
FVR	FULL VOLTAGE, REVERSING
G	GUARD
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GF	GROUND FAULT
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GND	GROUND
GRS	GALVANIZED RIGID STEEL
H	HOSPITAL GRADE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HV	HIGH VOLTAGE
HZ	HERTZ
IC	INTERCOM
IG	ISOLATED GROUND
INCAD	INCANDESCENT
IMC	INTERMEDIATE METAL CONDUIT
JB	JUNCTION BOX
KAIC	THOUSAND AMPERE INTERRUPTING CAPACITY
KV	KILOVOLT
KVA	KILOVOLT-AMPERE
KW	KILOWATT
KILO	KILO (THOUSAND)
KCM	THOUSAND CIRCULAR MILS
KCMIL	THOUSAND CIRCULAR MILS
LTG	LIGHTING
LSIG	LONG TIME-SHORT TIME-INSTANTANEOUS-GROUND FAULT
LV	LOW VOLTAGE
M	MEGA (MILLION)
MATV	MASTER ANTENNA TELEVISION
MFS	MAIN FUSED SWITCH
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MH	METAL HALIDE
MLO	MAIN LUGS ONLY
MM	MULTI MODE FIBER
MV	MEDIUM VOLTAGE
MVA	MEGAVOLT-AMPERE
NEC	NATIONAL ELECTRICAL CODE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NL	NIGHT LIGHT
N	NEUTRAL
NF	NONFUSED
NTS	NOT IN CONTRACT
NTS	NOT TO SCALE
OCPD	OVER CURRENT PROTECTION DEVICE
OH	OVERHEAD
OL	OVERLOAD
PB	PULLBOX
PC	PLUMBING CONTRACTOR
PF	POWER FACTOR
PHL	PANEL
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE
Ø	PHASE
PH	PHASE
PL	POLE
PL	PILOT LIGHT
PM	PLUGMOLD
PP	POWER PANEL
PWR	POWER
RVNR	REDUCED VOLTAGE, NON-REVERSING
RM	ROOM
RMS	ROOT MEAN SQUARED
RTU	ROOF TOP UNIT
SM	SINGLE MODE FIBER
SS	SURGE SUPPRESSION
SST	SOLID-STATE TRIP DEVICE
ST	SHUNT-TRIP
SW	SWITCH
SWB	SWITCHBOARD
SYM	SYMMETRICAL
T	TAMPER RESISTANT
TDR	TIME DELAY RELAY
TYP	TYPICAL
TCP	TEMPERATURE CONTROL PANEL
TSTAT	THERMOSTAT
TV	TELEVISION
UG	UNDERGROUND
UH	UNIT HEATER
USB	UNIVERSAL SERIAL BUS
V	VOLT
VR	VOLT-AMPERE
VP	VAPORPROOF
W	WAIT
WG	WIRE GUARD
WM	WIREMOLD
WP	WEATHERPROOF
XFMR	TRANSFORMER
XLP	CROSS LINKED POLYETHYLENE
XP	EXPLOSION PROOF
Y	WYE CONNECTED

SED NUMBERS: 66-15-001-0009-013
BEFORE WORK IS STARTED, CONTRACTOR SHALL VERIFY ALL THE DIMENSIONS AT THE SITE AND IMMEDIATELY NOTIFY THE ARCHITECT OF ALL DISCREPANCIES. ALTERATION OF THIS DOCUMENT BY OTHER THAN AN AUTHORIZED LICENSED REGISTERED ARCHITECT IS ILLEGAL AND A VIOLATION OF SECTION 2307 OF THE NEW YORK STATE EDUCATION LAW.

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Drawing Number: **E 001**

Date: 10/11/2024
Drawn by: SJK

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Peekskill, New York

PANELBOARD SCHEDULE - LP1

LOCATION - MECHANICAL 001		SOURCE - MDP		MOUNTING - SURFACE		SE RATED <input type="checkbox"/>		FEED-THRU LUGS <input type="checkbox"/>			
RATING (AMPS) - 225A MLO		VOLTAGE - 208Y/120V		PHASE/WIRE - 3-PHASE/4-WIRE		HINGED TRIM <input type="checkbox"/>		SUB FEED LUGS <input type="checkbox"/>			
KAIC - 10		DESIGN MAKE (SQUARE D) - NQ		NEMA RATING - 1		COMPUTER GRADE <input type="checkbox"/>		ISOLATED GND BUS <input type="checkbox"/>			
CKT	DESCRIPTION	BREAKER	KVA LOAD						BREAKER	DESCRIPTION	CKT
			LTG	RCPT	MOTOR	HTG	HTG	MOTOR			
1	LTG-RM 104,B1.0,B1.2,B1.3,105,106,MECH	20A/1P	.9					.8	20A/1P	LTG - RM 101	2
3	LTG - RM 102,103	20A/1P	.8					.5	20A/1P	REC - RM B1.2,B1.3,B1.1	4
5	REC - RM 102	20A/1P		1.1				.7	20A/1P	REC - RM 101	6
7	REC - RM 101	20A/1P		.7					20A/1P	REC - CORR. B1.0 - WC	8
9	REC - RM 103	20A/1P		.9				.7	20A/1P	REC - RM 106,B1.0,23,B1.0A	10
11	REC - RM 103	20A/1P		.7				.7	20A/1P	REC - RM 001	12
13	LTG - SITE	20A/1P									14
15	VRFC-1/VRFC-2/BS-1	15A/2P		.8				2.3	15A/2P	ECH-1	16
17								1.5	15A/2P	ECH-2	18
19	VRFC-3/VRFC-4/BS-2	15A/2P		.8				1.5	15A/2P	ECH-3	22
21								1.5	15A/2P	ECH-4	24
23	VRFC-5/VRFC-6/BS-3	15A/2P		.8				1.5	15A/2P	ECH-4	26
25								1.5	15A/2P	ECH-4	28
27								1.5	15A/2P	ECH-4	30
29	ERV-1	20A/3P			5			4	15A/3P	ECH-5	32
31								4	15A/3P	ECH-5	34
33	TC	20A/1P		.5					20A/1P	HAND DRYER	36
35	LTG - SITE	20A/2P						.6	20A/1P	HAND DRYER	38
37								.6	20A/1P	HAND DRYER	40
39								.6	20A/1P	HAND DRYER	42
41	EDHC-3/EDHC-4	30A/3P				8			20A/1P	SPARE	44
43									20A/1P	SPARE	46
45									20A/1P	SPARE	48
47	EDHC-5/EDHC-6	40A/3P				9			20A/1P	SPARE	50
49									20A/1P	SPARE	52
51	SPARE	20A/1P							20A/1P	SPARE	54
53	SPARE	20A/1P							20A/1P	SPARE	56
LEFT SIDE SUB-TOTAL			-	-	-	-	-	-	RIGHT SIDE SUB-TOTAL		
CONNECTED SUB-TOTAL			-	-	-	-	-	-	-		
DEMAND FACTOR			1.0	10+1/2	.8	.8			-		
SUB-TOTAL			-	-	-	-	-	-	-		
TOTAL KVA			-	-	-	-	-	-	-		
TOTAL AMPS			-	-	-	-	-	-	-		

NOTES:
 1) PROVIDE GFCI BRANCH CIRCUIT BREAKER.

PANELBOARD SCHEDULE - MDP

LOCATION - STORAGE BR1.2		SOURCE - DISCONNECT		MOUNTING - SURFACE		SE RATED <input type="checkbox"/>		FEED-THRU LUGS <input type="checkbox"/>			
RATING (AMPS) - 400A MLO		VOLTAGE - 208Y/120V		PHASE/WIRE - 3-PHASE/4-WIRE		HINGED TRIM <input type="checkbox"/>		SUB FEED LUGS <input type="checkbox"/>			
KAIC - 65		DESIGN MAKE (SQUARE D) - NQ		NEMA RATING - 1		COMPUTER GRADE <input type="checkbox"/>		ISOLATED GND BUS <input type="checkbox"/>			
CKT	DESCRIPTION	BREAKER	KVA LOAD						BREAKER	DESCRIPTION	CKT
			LTG	RCPT	MOTOR	HTG	HTG	MOTOR			
1											2
3	EXISTING	60A/3P							70A/3P	EXISTING	4
5											6
7									20A/1P	EXISTING	8
9	EXISTING	60A/3P							15A/1P	EXISTING	10
11									15A/1P	EXISTING	12
13	EXISTING	20A/1P							50A/2P	EXISTING	14
15											16
17	EXISTING	15A/2P							40A/3P	EXISTING	18
19	EXISTING	15A/1P							20A/1P	EXISTING	20
21	EXISTING	15A/1P							20A/1P	EXISTING	22
23	EXISTING	15A/1P							20A/1P	EXISTING	24
25	EXISTING	15A/1P									26
27	EXISTING	50A/2P							100A/3P	EXISTING	28
29											30
31	EXISTING	40A/2P							20A/1P	EXISTING	32
33									20A/1P	EXISTING	34
35									20A/1P	EXISTING	36
37	EXISTING	60A/2P							15A/1P	EXISTING	38
39									20A/1P	EXISTING	40
41	EXISTING	20A/2P							15A/1P	EXISTING	42
43									20A/1P	EXISTING	44
45	EDHC-1/EDHC-2	40A/3P				10			20A/1P	EXISTING	46
47									20A/1P	SPARE	48
49									20A/1P	SPARE	50
51	SPARE	100A/3P							20A/1P	SPARE	52
53									20A/1P	SPARE	54
55	SPARE	20A/1P							20A/1P	SPARE	56
57	SPARE	20A/1P							20A/1P	SPARE	58
59	SPARE	20A/1P							20A/1P	SPARE	60
LEFT SIDE SUB-TOTAL			-	-	-	-	-	-	RIGHT SIDE SUB-TOTAL		
CONNECTED SUB-TOTAL			-	-	-	-	-	-	-		
DEMAND FACTOR			1.0	10+1/2	.8	.8			-		
SUB-TOTAL			-	-	-	-	-	-	-		
TOTAL KVA			-	-	-	-	-	-	-		
TOTAL AMPS			-	-	-	-	-	-	-		

NOTES:
 1) CONNECT TO EXISTING BRANCH CIRCUITS AND PROVIDE UPDATED PANEL DIRECTORY.
 2) PROVIDE 225A, 3-POLE SUB FEED BRANCH CIRCUIT BREAKER FOR PANELBOARD LP1.
 3) REMOVE & REWORK TOP AND SIDE FED CONDUITS AS REQUIRED TO ACCOMMODATE PANELBOARD REPLACEMENT.
 4) PROVIDE 125A, 3-POLE SUB FEED BRANCH CIRCUIT BREAKER FOR ACCU-1.

LIGHTING FIXTURE SCHEDULE

DESIGNATION	DIMENSIONS	TYPE	CONSTRUCTION	REFLECTOR/ BAFFLE	LENS	LIGHT SOURCE/LAMP	LUMENS	COLOR TEMPERATURE	BALLAST DRIVER	VOLTAGE	FIXTURE WATTAGE	MOUNTING/ CEILING TYPE	DESIGN MAKE	ACCEPTABLE MANUFACTURERS	NOTES
E1	7.32"x2.19"x4.25"	WALL MOUNTED EMERGENCY LIGHT WITH NICKEL METAL HYDRIDE BATTERY, 90 MINUTE OPERATION.	THERMOPLASTIC HOUSING WITH WHITE FINISH.	-	-	LED	-	-	-	UNV	4W	VARIOUS/-	EVENLITE "TELESIS" SERIES	PHILIPS HUBBELL	-
F1	1-3/4"x2x4"	RECESSED LED FLAT PANEL.	NARROW ALUMINUM BEZEL TIGHTLY HELD TO CODE GAUGE STEEL.	LIGHT GUIDE CONSTRUCTED OF ACRYLIC WITH SMOOTH PATTERN SCRATCH AND IMPACT RESISTANT.	WHITE FROST ACRYLIC	LED	5,000	80CRI / 3,500K	0-10V DIMMING DRIVER	UNV	40W	RECESSED/ LAY-IN	METALUX "24FP" SERIES	PHILIPS HUBBELL	-
F2	2"x2x2"	RECESSED LED FLAT PANEL.	NARROW ALUMINUM BEZEL TIGHTLY HELD TO CODE GAUGE STEEL.	LIGHT GUIDE CONSTRUCTED OF ACRYLIC WITH SMOOTH PATTERN SCRATCH AND IMPACT RESISTANT.	WHITE FROST ACRYLIC	LED	4,330	80CRI / 3,500K	0-10V DIMMING DRIVER	UNV	38W	RECESSED/ LAY-IN	METALUX "22FP" SERIES	PHILIPS HUBBELL	-
F3	49-13/16" x 6-5/8" x 5-7/8"	WET LOCATION 4" INDUSTRIAL LED LAMP WITH CHAIN HANGER SET.	FIBERGLASS HOUSING WITH SELF-EXTINGUISHING PLASTIC.	HIGH IMPACT DIFFUSER LENS.	-	LED	4,000	80CRI / 3,500K	STANDARD	UNV	51W	6"-0" CHAIN/-	METALUX "VAPORITE LED" SERIES	PHILIPS HUBBELL	SEE NOTE 5.
F4A	2'x4'	RECESSED, NOMINAL 2" WIDE PROFILE, SLOT UNIT DESIGNED FOR ARMSTRONG METAL CEILING SYSTEMS.	WHITE POWDER COAT EXTRUDED ALUMINUM TRIM RAILS, WITH FORMED 20 GAUGE GALVANIZED STEEL BACK CHANNEL.	DIRECT LIGHT DISTRIBUTION	FROSTED FLUSH LENS	LED	4,000	80CRI / 3,500K	0-10V DIMMING DRIVER	UNV	34W	RECESSED/ CUSTOM METAL ARMSTRONG CEILING	NULITE "REGOLO 2 RF2-0" SERIES	PHILIPS HUBBELL	SEE NOTE 7.
F4B	2'x6'	RECESSED, NOMINAL 2" WIDE PROFILE, SLOT UNIT DESIGNED FOR ARMSTRONG METAL CEILING SYSTEMS.	WHITE POWDER COAT EXTRUDED ALUMINUM TRIM RAILS, WITH FORMED 20 GAUGE GALVANIZED STEEL BACK CHANNEL.	DIRECT LIGHT DISTRIBUTION	FROSTED FLUSH LENS	LED	4,000	80CRI / 3,500K	0-10V DIMMING DRIVER	UNV	52W	RECESSED/ CUSTOM METAL ARMSTRONG CEILING	NULITE "REGOLO 2 RF2-0" SERIES	PHILIPS HUBBELL	SEE NOTE 7.
F5	3-3/4"x2x6"	NARROW, NOMINAL 2" WIDE PENDANT LUMINAIRE SYSTEM.	WHITE POWDER COAT EXTRUDED ALUMINUM SIDE RAILS, WITH FORMED 20 GAUGE COLD ROLLED STEEL.	BI-DIRECT LIGHT DISTRIBUTION	FROSTED FLUSH LENS	LED	5,400 DOWN/ 1,800 UP	80CRI / 3,500K	0-10V DIMMING DRIVER	UNV	103W	48" ADJUSTABLE AIRCRAFT CABLE/LAY-IN	NULITE "REGOLO 2 RP24-B" SERIES	PHILIPS HUBBELL	-
F6	3-7/8"x2x6"	RECESSED, NOMINAL 2" WIDE PROFILE, SLOT UNIT DESIGNED FOR GRID CEILING SYSTEMS.	WHITE POWDER COAT EXTRUDED ALUMINUM TRIM RAILS, WITH FORMED 20 GAUGE GALVANIZED STEEL BACK CHANNEL.	DIRECT LIGHT DISTRIBUTION	FROSTED FLUSH LENS	LED	6,000	80CRI / 3,500K	0-10V DIMMING DRIVER	UNV	52W	RECESSED/ LAY-IN	NULITE "REGOLO 2 RF2-0" SERIES	PHILIPS HUBBELL	-
F7	6"	LED SELF FLANGED, LENSED DOWNLIGHT.	BOAT SHAPED GALVANIZED STEEL PLASTER FRAME WITH ADJUSTABLE PLASTER LIP. FINISH BY ARCHITECT.	WIDE DISTRIBUTION	-	LED	3,000	80CRI / 3,500K	STANDARD	120V	26W	RECESSED/ LAY-IN	COOPER "HALO PR6" SERIES	PHILIPS HUBBELL	-
F8	6" SQUARE NEW CONSTRUCTION	6" LED SQUARE APERTURE NEW CONSTRUCTION.	BOAT SHAPED GALVANIZED STEEL PLASTER FRAME WITH ADJUSTABLE PLASTER LIP. FINISH BY ARCHITECT.	SHALLOW REFLECTOR.	MEDIUM WITH TR LENS (70° BEAM ANGLE)	LED	3,000	80CRI / 4,000K	STANDARD	120V	26W	VARIOUS/-	COOPER LIGHTING "HALO COMMERCIAL PR56/646" SERIES	PHILIPS HUBBELL	SEE NOTE 2.
P1	20"x26.5"	LANTERN STYLE IP65 RATING AREA LIGHTING WITH 20KV SURGE PROTECTOR AND POLYESTER POWDER COAT. FINISH BY ARCHITECT.	ONE PIECE UNITIZED PRECISE HEAVY WALL CAST ALUMINUM CONSTRUCTION COMPRISED OF COPPER ALUMINUM.	FIELD ADJUSTABLE OPTICAL MODULE WITH TYPE II DISTRIBUTION.	CUSTOM POLYCARBONATE	LED	7,515	4,000K	STANDARD	208V	109W	POLE	SUN VALLEY "MOZM" SERIES	PHILIPS HUBBELL	SEE NOTES 1, 3, AND 6.
	12'-0" POLE WITH 21" BASE	4" DIAMETER DECORATIVE POLE WITH POLYESTER POWDER COAT. FINISH BY ARCHITECT.	EXTRUDED FROM 6063 ALUMINUM WITH ONE PIECE CORROSION RESISTANT BASE AND HAND HOLE WITH TAMPER RESISTANT HARDWARE.	-	-	-	-	-	-	-	-	CONCRETE BASE	SUN VALLEY "MOZM" SERIES	PHILIPS HUBBELL	SEE NOTE 3.
P2	20"x26.5"	LANTERN STYLE IP65 RATING AREA LIGHTING WITH 20KV SURGE PROTECTOR AND POLYESTER POWDER COAT. FINISH BY ARCHITECT.	ONE PIECE UNITIZED PRECISE HEAVY WALL CAST ALUMINUM CONSTRUCTION COMPRISED OF COPPER ALUMINUM.	FIELD ADJUSTABLE OPTICAL MODULE WITH TYPE II DISTRIBUTION.	CUSTOM POLYCARBONATE	LED	7,515	4,000K	STANDARD	120V	109W	XMO-DT WALL MOUNT/-	SUN VALLEY "MOZ WALL MOUNT-PLD" SERIES	PHILIPS HUBBELL	SEE NOTE 4.
P3	20"x26.5"	LANTERN STYLE IP65 RATING AREA LIGHTING WITH 20KV SURGE PROTECTOR AND POLYESTER POWDER COAT. FINISH BY ARCHITECT.	ONE PIECE UNITIZED PRECISE HEAVY WALL CAST ALUMINUM CONSTRUCTION COMPRISED OF COPPER ALUMINUM.	FIELD ADJUSTABLE OPTICAL MODULE WITH TYPE V DISTRIBUTION.	CUSTOM POLYCARBONATE	LED	7,515	4,000K	STANDARD	208V	109W	POLE	SUN VALLEY "MOZM" SERIES	PHILIPS HUBBELL	SEE NOTES 1, 3, AND 6.
	12'-0" POLE WITH 21" BASE	4" DIAMETER DECORATIVE POLE WITH POLYESTER POWDER COAT. FINISH BY ARCHITECT.	EXTRUDED FROM 6063 ALUMINUM WITH ONE PIECE CORROSION RESISTANT BASE AND HAND HOLE WITH TAMPER RESISTANT HARDWARE.	-	-	-	-	-	-	-	-	CONCRETE BASE	SUN VALLEY "MOZM" SERIES	PHILIPS HUBBELL	SEE NOTE 3.
X1	12.25"x1.75" x7.5"	LED EXIT SIGN WITH BATTERY BACKUP.	LOW PROFILE ABS HOUSING WITH NICKEL CADMIUM BATTERY BACKUP AND UNIVERSAL MOUNTING. REFER TO PLANS FOR MOUNTING AND FACE DESIGNATIONS.	-	-	RED LED	-	-	-	UNV	2W	-	EVENLITE "TELESIS TLX" SERIES	PHILIPS HUBBELL	-

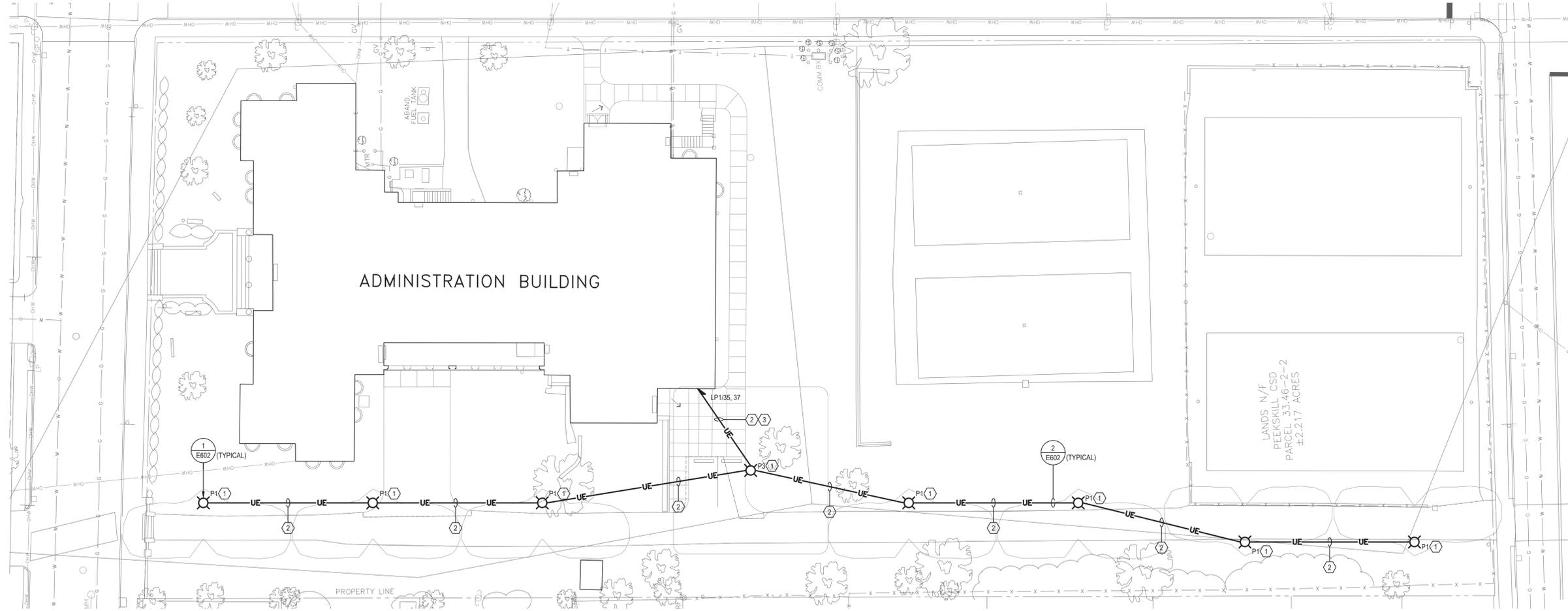
LIGHTING FIXTURE SCHEDULE GENERAL NOTES:
 A. PROVIDE MANUFACTURER APPROVED 3-TOY DIMMER SWITCHES COMPATIBLE WITH LED DRIVERS. DIMMER SWITCH QUANTITIES AS INDICATED IN PLAN.
 B. SUBSTITUTIONS SHALL PROVIDE EGC OR ENERGY STAR QUALIFIED NOTATION IN THE SUBMITTAL PACKAGE.
NOTES:
 1. ROTATE OPTICAL MODULE IN THE FIELD PER LIGHT DISTRIBUTION AS INDICATED IN PLAN. FINAL APPROVAL REQUIRED BY OWNER.
 2. REFER TO TYPES WITH EM DESIGNATION AND PROVIDE EMERGENCY LED-COOL TEMPERATURE POWER PACK.
 3. ALTERNATE 1%.
 4. PROVIDE CUSTOM BOX AND WALL PLATE WITH MATCHING FINISH TO INSTALL TO EXISTING SOLID WALL CONSTRUCTION.
 5. REFER TO PLANS FOR WALL MOUNTED LOCATION.
 6. PROVIDE IF FIELD WANNER ARM INSTALLED PERPENDICULAR TO SIDEWALK FOR BELOW LIGHT FIXTURE.
 7. COORDINATE EXACT CEILING TYPE WITH GCP PRIOR TO ORDERING LIGHT FIXTURE.

ELECTRIC EQUIPMENT AND CONTROL SCHEDULE

ITEM NO.	EQUIPMENT			SUPPLY			DISCONNECT			CONTROLS				
	NAME	ROOM LOCATION	HP KW Ø VOLTS	PANEL OR CONTROL CENTER	CIRCUIT BREAKER OR FUSE	WIRING FROM PANEL TO CONTROL UNIT	WIRING FROM FUSED DISCONNECT OR CONTROL UNIT TO EQUIPMENT	AMPS	FUSE SIZE	NEMA RATING	MOTOR STARTER/ CONTROLLER NOTES	CONTROLLER LOCATION	NEMA RATING	NOTES
1	VRFC-1/VRFC-2/BS-1	RM. 101	- - 1 208	LP1	15A/2P	(2)-#12, (1)-#12 EGC IN 3/4"	(2)-#12, (1)-#12 EGC IN 3/4"	-	-	-	-	-	-	1, 2
2	VRFC-3/VRFC-4/BS-2	RM. 102	- - 1 208	LP1	15A/2P	(2)-#12, (1)-#12 EGC IN 3/4"	(2)-#12, (1)-#12 EGC IN 3/4"	-	-	-	-	-	-	1, 2
3	VRFC-5/VRFC-6/BS-3	RM. 103	- - 1 208	LP1	15A/2P	(2)-#12, (1)-#12 EGC IN 3/4"	(2)-#12, (1)-#12 EGC IN 3/4"	-	-	-	-	-	-	1, 2
4	ACCU-1	EXTERIOR	- - 3 208	MDP	125A/3P	(3)-#1, (1)-#6 EGC IN 1-1/2"	(3)-#1, (1)-#6 EGC IN 1-1/2"	200A	NF	3R	-	-	-	-
5	ERV-1	RM. 001	- - 3 208	LP1	20A/3P	(3)-#12, (1)-#12 EGC IN 3/4"	(3)-#12, (1)-#12 EGC IN 3/4"	-	-	-	10, 16	-	-	-
6	ECH-1	RM. 104	- 2.3 1 208	LP1	15A/2P	(2)-#12, (1)-#12 EGC IN 3/4"	(2)-#12, (1)-#12 EGC IN 3/4"	-	-	-	-	-	-	-
7	ECH-2	RM. 105	- 1.5 1 208	LP1	15A/2P	(2)-#12, (1)-#12 EGC IN 3/4"	(2)-#12, (1)-#12 EGC IN 3/4"	-	-	-	-	-	-	-
8	ECH-3	RM. 106	- 1.5 1 208	LP1	15A/2P	(2)-#12, (1)-#12 EGC IN 3/4"	(2)-#12, (1)-#12 EGC IN 3/4"	-	-	-	-	-	-	-
9	ECH-4	RM. 107	- 1.5 1 208	LP1	15A/2P	(2)-#12, (1)-#12 EGC IN 3/4"	(2)-#12, (1)-#12 EGC IN 3/4"	-	-	-	-	-	-	-
10	ECH-5	VEST. B1.3	- 4 3 208	LP1	15A/3P	(3)-#12, (1)-#12 EGC IN 3/4"	(3)-#12, (1)-#12 EGC IN 3/4"	-	-	-	10	-		

DRAWING NOTES: 

1. ALTERNATE 1-E: ROTATE OPTICAL MODULE IN THE FIELD PER LIGHT DISTRIBUTIONS AS INDICATED IN PLAN. FINAL APPROVAL REQUIRED BY OWNER.
2. BASE BID: PROVIDE 1" CONDUIT AND STUB AND CAP WITHIN 3'-0" OF POLE BASE LOCATION AND WITHIN BUILDING. ALTERNATE 1-E: PROVIDE LIGHT FIXTURE AS INDICATED AND (2)-#10 AWG, (1)-#10 AWG EGC IN 1".
3. ALTERNATE 1-E: VIA LIGHTING CONTRACTOR LC-1.



1 SITE PLAN - LIGHTING
SCALE: 1"=20'-0"

SED NUMBERS: ■ Administration Building: 64-15-001-0009-013
BEFORE WORK IS STARTED, CONTRACTOR SHALL VERIFY ALL THE DIMENSIONS AT THE SITE AND IMMEDIATELY NOTIFY THE ARCHITECT OF ALL DISCREPANCIES. ALTERATION OF THIS DOCUMENT BY OTHER THAN AN AUTHORIZED LICENSED REGISTERED ARCHITECT IS ILLEGAL AND A VIOLATION OF SECTION 2307 OF THE NEW YORK STATE EDUCATION LAW.

SITE PLAN - LIGHTING
Drawing Title:
Drawing Number:
Date: 10/11/2024
Drawn by: SDK

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Peekskill City School District
Peekskill, New York

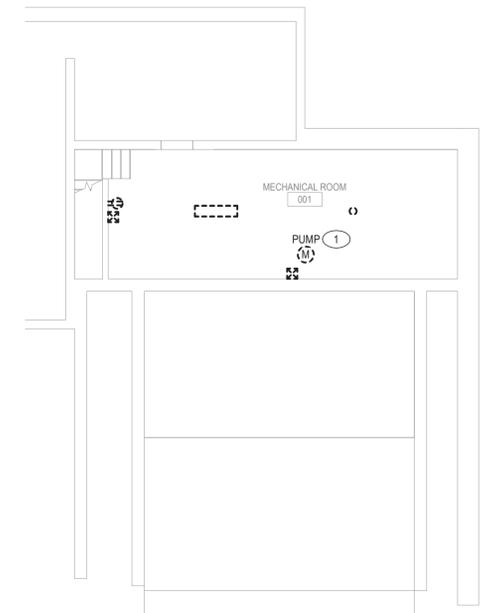
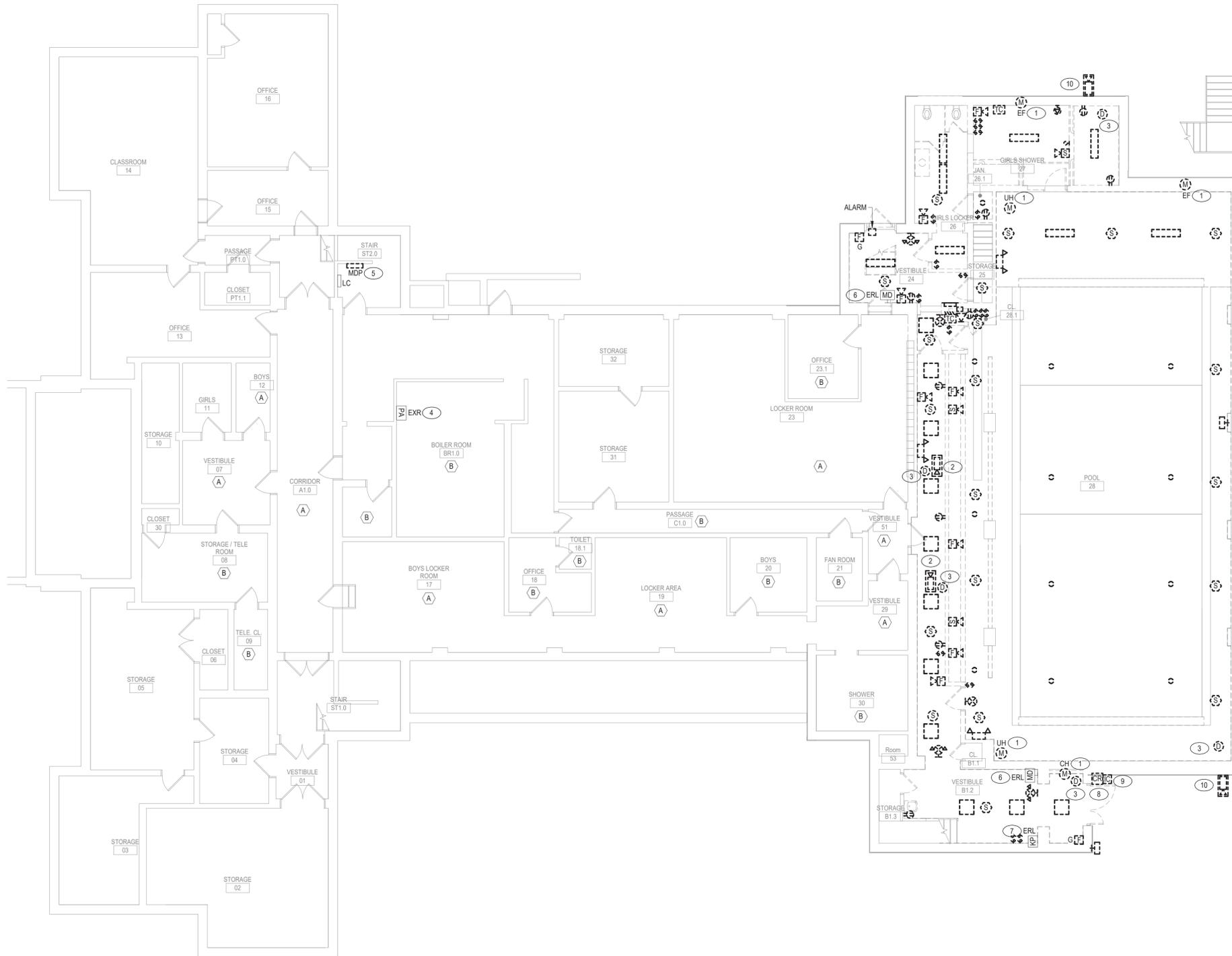
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ES # 24088

MOSAIC ASSOCIATES
Mosaic Associates Architects, DPC
The Freat Building, 2 Third Street, Suite 440, Troy, NY 12180

E 101

REMOVAL NOTES: ○

1. DISCONNECT & REMOVE HVAC BRANCH CIRCUIT IN ITS ENTIRETY.
2. REMOVE THE EXISTING CEILING MOUNTED SECURITY CAMERA AND MOUNTING BRACKET. STORE THE CAMERA AND BRACKET IN INDIVIDUAL CARDBOARD BOX FOR REINSTALLATION BY SECURITY VENDOR IN NEW WORK.
3. REMOVE CEILING MOUNTED DATA CABLE BACK TO POINT OF ORIGIN.
4. EXISTING PA SYSTEM LOCATION ON THE FIRST FLOOR.
5. DISCONNECT & REMOVE MAIN DISTRIBUTION PANELBOARD. MAINTAIN FEEDERS AND BRANCH CIRCUITS FOR REUSE.
6. REMOVE & RELOCATE MOTION DETECTOR AS REQUIRED TO ACCOMMODATE RENOVATIONS. REFER TO E500 SERIES DRAWING FOR LOCATION.
7. REMOVE & RELOCATE KEYPAD AS REQUIRED TO ACCOMMODATE RENOVATIONS. REFER TO E500 SERIES DRAWING FOR LOCATION.
8. DISCONNECT AND REMOVE DOOR ACCESS STATION. STORE AND PROTECT IN INDIVIDUAL CARDBOARD BOX FOR REINSTALLATION BY SECURITY VENDOR.
9. DISCONNECT AND REMOVE CARD READER. STORE AND PROTECT IN INDIVIDUAL CARDBOARD BOX FOR REINSTALLATION BY SECURITY VENDOR.
10. REMOVE THE EXISTING EXTERIOR SECURITY CAMERA AND MOUNTING BRACKET. STORE AND PROTECT CAMERA WITH BRACKET IN INDIVIDUAL CARDBOARD BOX FOR REINSTALLATION BY SECURITY VENDOR IN NEW WORK.



2 BASEMENT ELECTRICAL REMOVAL PLAN
SCALE: 1/8" = 1'-0"

1 LOWER LEVEL ELECTRICAL REMOVAL PLAN
SCALE: 1/8" = 1'-0"

SED NUMBERS: Administration Building: 66-15-001-0-09-013
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 Drawing Number: E 201
 Date: 10/11/2024
 APN: 2226-2A
 Drawn by: S.K.

MOSAIC ASSOCIATES

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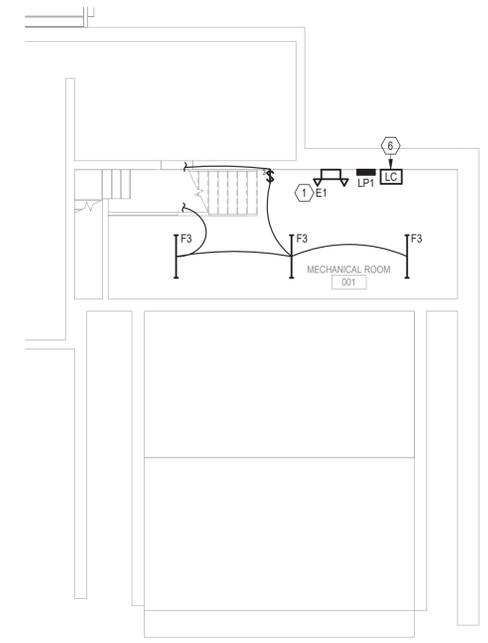
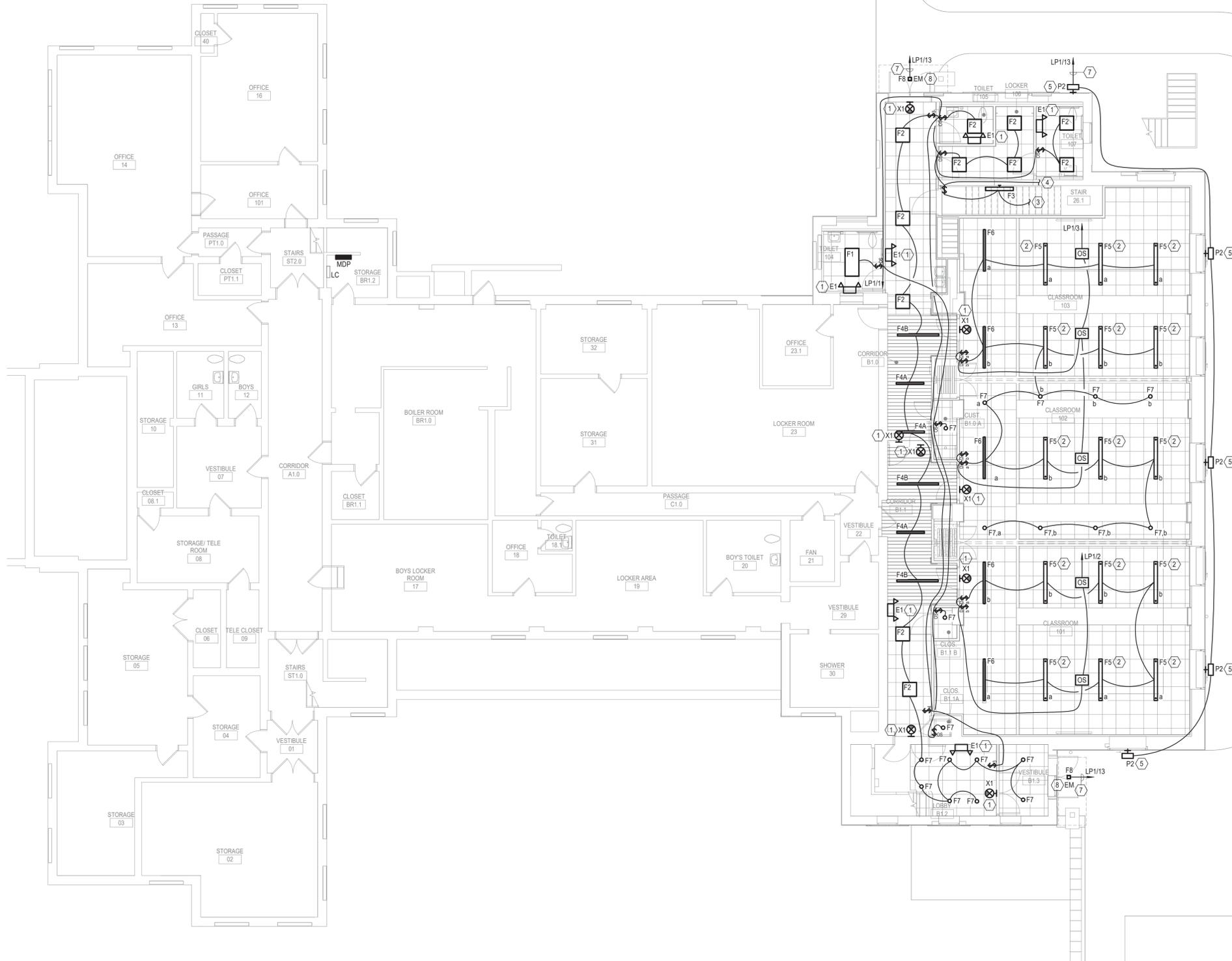
Alterations to Administration Building

Peekskill City School District
Peekskill, New York

E 201

DRAWING NOTES: ○

1. CONNECT TO UN-SWITCHED LOCAL LIGHTING CIRCUIT.
2. INSTALL LIGHT FIXTURE 8'-4" AFF.
3. CONNECT TO LIGHT FIXTURES IN MECHANICAL ROOM.
4. CONNECT TO SWITCH IN MECHANICAL ROOM.
5. INSTALL LIGHT FIXTURE 10'-6" AFG.
6. PROVIDE 30A, 208V, 4-POLE, LIGHTING CONTACTOR (LC-1). REFER TO EXTERIOR LIGHTING CONTROL SCHEMATIC 3/E02 FOR ADDITIONAL INFORMATION.
7. VIA LIGHTING CONTACTOR LC-1.
8. CONNECT EMERGENCY BATTERY PACK TO THE LINE SIDE OF LIGHTING CONTACTOR LC-1.



2 BASEMENT LIGHTING PLAN
SCALE: 1/8" = 1'-0"

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

SED NUMBERS: ■ Administration Building: 66-15-001-0-09-013
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 Drawing Number: E 301
 Date: 10/11/2024
 APN: 2226.2A
 Drawn by: S.K.

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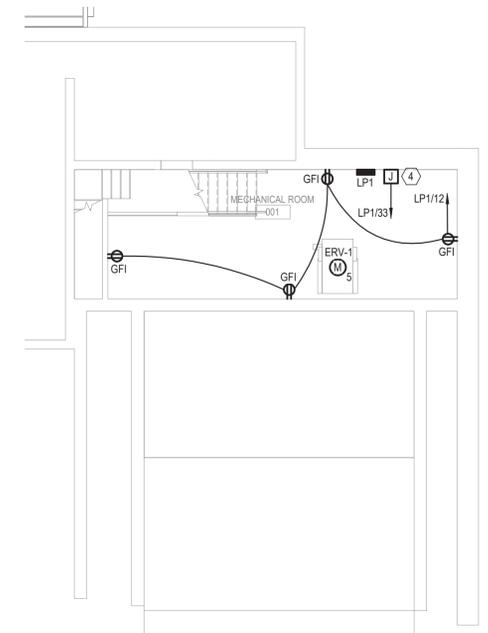
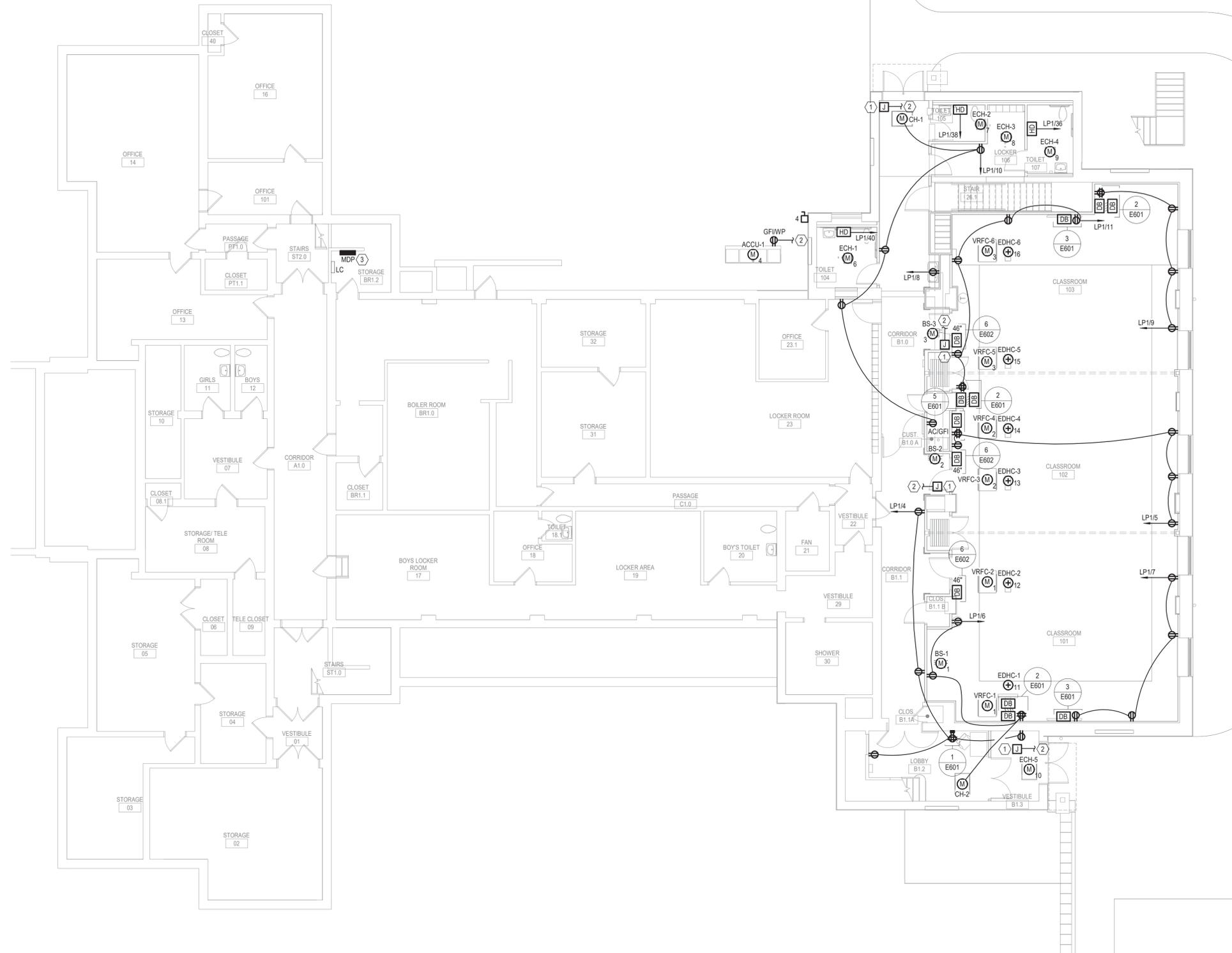
Consultant:
MOSAIC ASSOCIATES

Alterations to Administration Building
 Peekskill City School District
 Peekskill, New York

Revision: 05/21/2024
 Date: 10/11/2024
 Drawn by: S.K.

DRAWING NOTES: ○

1. PROVIDE 120V BRANCH CIRCUIT FOR DOOR HARDWARE POWER SUPPLY. PROVIDED BY GC. GC TO PROVIDE POWER FROM THIS LOCATION TO THEIR EQUIPMENT. COORDINATE FINAL LOCATION WITH GC. REFER TO DETAIL 4E601 FOR ADDITIONAL INFORMATION.
2. CONNECT TO NEAREST 120V UNSWITCHED SOURCE.
3. PROVIDE PANELBOARD REPLACEMENT. REFER TO PANELBOARD SCHEDULES FOR ADDITIONAL INFORMATION.
4. PROVIDE 120V BRANCH CIRCUIT FOR TEMPERATURE CONTROLS CONTRACTOR (TC). TC TO PROVIDE POWER FROM THIS LOCATION TO THEIR EQUIPMENT. COORDINATE FINAL LOCATION WITH TC.



2 BASEMENT POWER PLAN
SCALE: 1/8" = 1'-0"

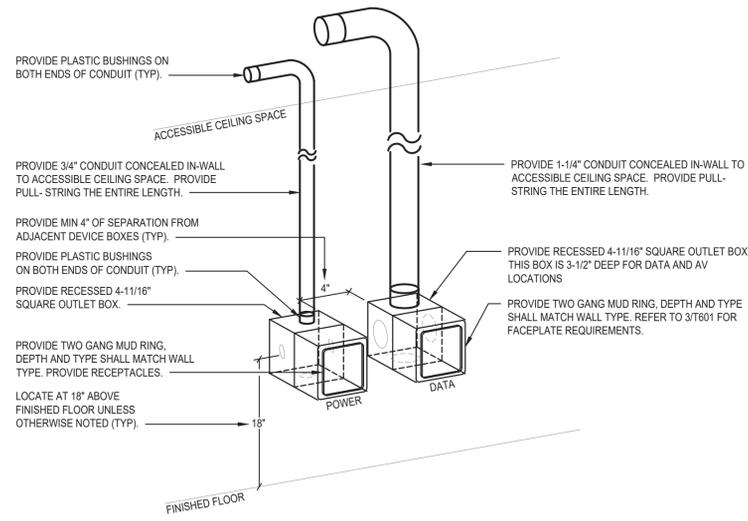
1 LOWER LEVEL POWER PLAN
SCALE: 1/8" = 1'-0"

SED NUMBERS: Administration Building: 66-15-00-01-0-09-013
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 Drawing Title: BASEMENT & LOWER LEVEL POWER PLANS
 Drawing Number: E 401
 Date: 10/11/2024
 Drawn by: CMC

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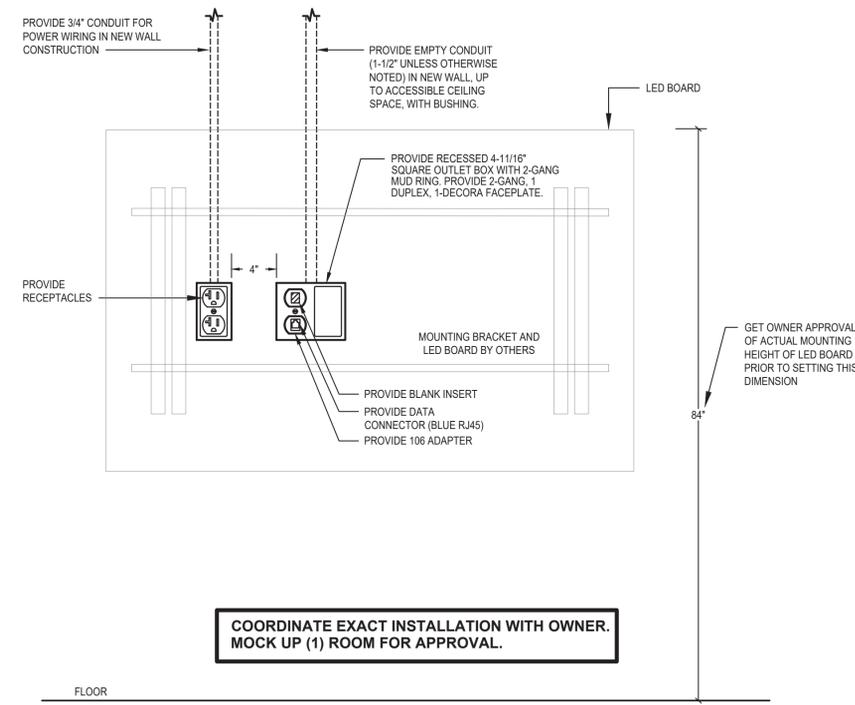
Alterations to Administration Building
 Peekskill City School District
 Peekskill, New York

Consultant:
 Seal
 Revision:
 05/21/2024



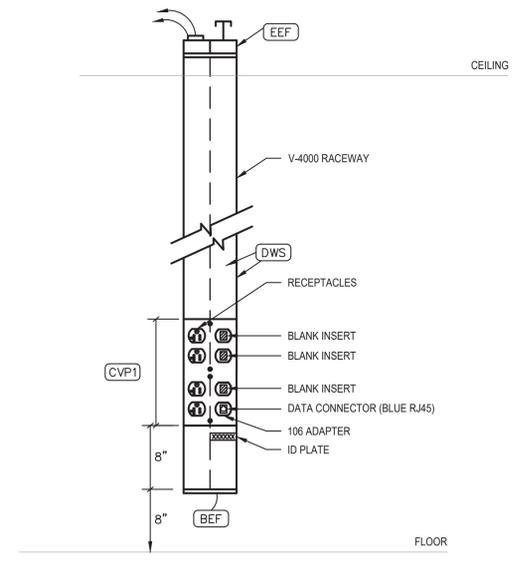
5 POWER & DATA NEW WALL CONSTRUCTION DETAIL
SCALE: NTS

- NOTES**
- A. REFER TO 8/T801 FOR MULTI-MEDIA CABLING REQUIREMENTS.
 - B. EXTEND 4-6 FEET OF AVP-1 CABLE THRU THE WALL PLATE. COIL ALL OTHER EXTRA CABLE ABOVE THE CEILING IN J-HOOK ON WALL ABOVE THE LED BOARD LOCATION. DO NOT LAY CABLING ON CEILING TILE.



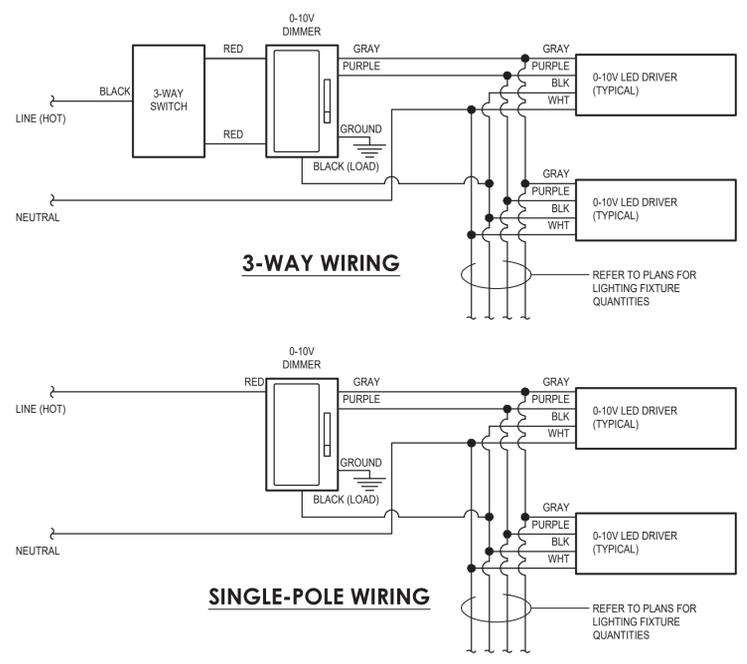
3 INTERACTIVE LED BOARD NEW WALL CONSTRUCTION DETAIL
SCALE: NTS

PARTS LIST (ALL DETAILS)		
EEF	ENTRANCE END FITTING	V4010DF0
DWS	WIREMOLD V4000 SYSTEM W/ DIVIDER	V4000B-10 V4000C, G 4000D
DEL	RADIUS ELBOW W/ DIVIDER	V4011 FO
BEF	BLANK END FITTING	V4010B
CVP1	4-GANG COVER MOUNTING BRACKETS.	V4047-28BBB
DTE	DIVIDED TEE - RADIUS FULL CAPACITY	V4015DF0

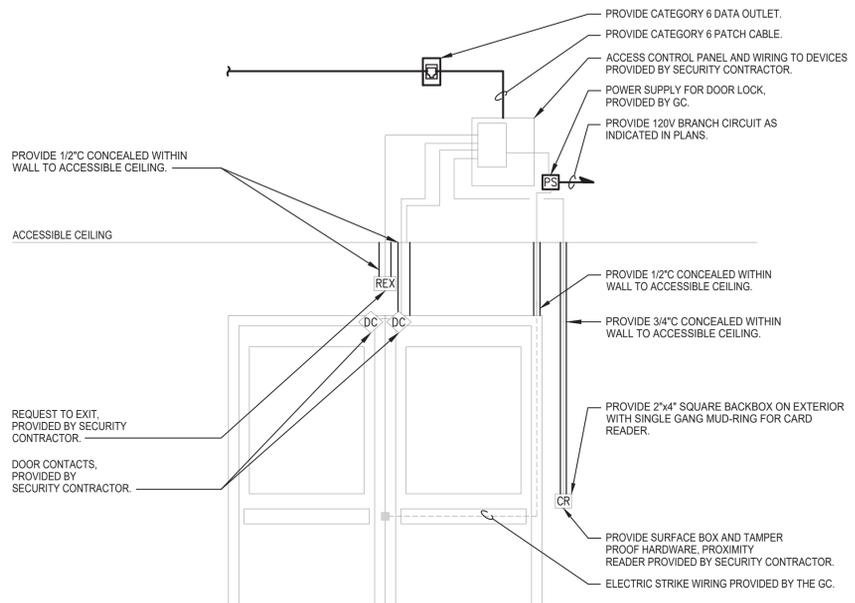


1 VERTICAL V-4000 RACEWAY DETAIL
SCALE: NTS

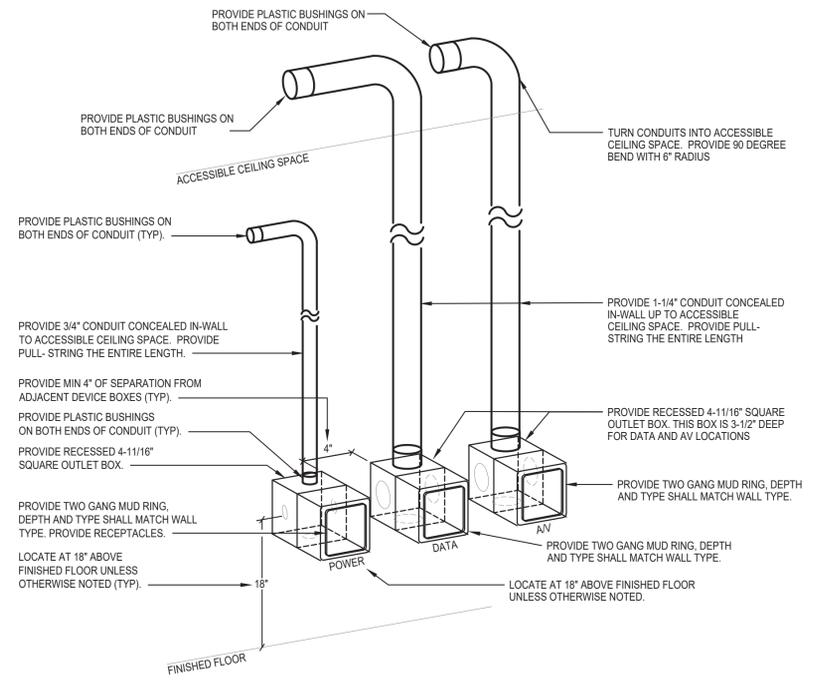
- NOTES**
- A. REFER TO PLANS FOR EXACT QUANTITIES OF DIMMERS AND SWITCH CONTROL.
 - B. COORDINATE EXACT BACKBOX SIZES WITH MANUFACTURERS MULTI GANG INSTALLATION REQUIREMENTS PRIOR TO ROUGH IN.
 - C. REFER TO LIGHTING FIXTURE SCHEDULE AND PROVIDE 0-10V LINE VOLTAGE DIMMER FOR LOADS LESS THAN 10A/120V AND SA27TV. DESIGN MAKE: WATTSTOPPER RH4FBL3P.



6 0-10V LINE VOLTAGE DIMMING WIRING SCHEMATIC
SCALE: NTS



4 DOOR ACCESS DETAIL
SCALE: NTS



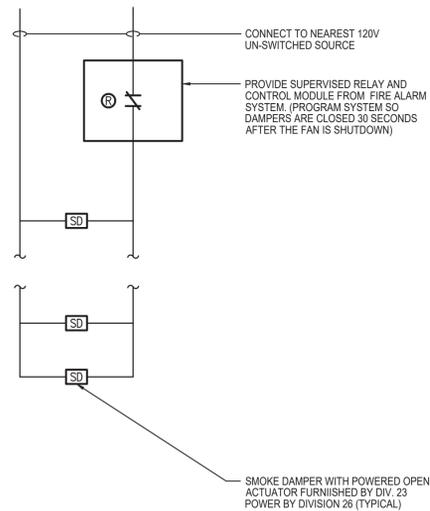
2 TEACHER STATION DETAIL
SCALE: NTS

SED NUMBERS: Administration Building, 66-15-001-0009-013
 BEFORE WORK IS STARTED, CONTRACTOR SHALL VERIFY ALL THE DIMENSIONS AT THE SITE AND IMMEDIATELY NOTIFY THE ARCHITECT OF ALL DISCREPANCIES. ALTERATION OF THIS DOCUMENT BY OTHER THAN AN AUTHORIZED LICENSED REGISTERED ARCHITECT IS ILLEGAL AND A VIOLATION OF SECTION 2307 OF THE NEW YORK STATE EDUCATION LAW.
 Revision: 06 BID 05/01/2024
 Drawing Title: DETAILS
 Drawing Number: E 601
 Date: 10/11/2024
 Drawn by: CMK
 AFN: 2224-2A

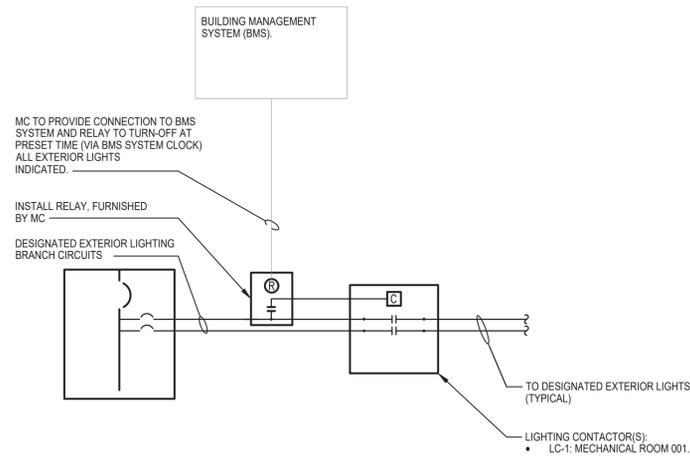
Alterations to Administration Building
 Peekskill City School District
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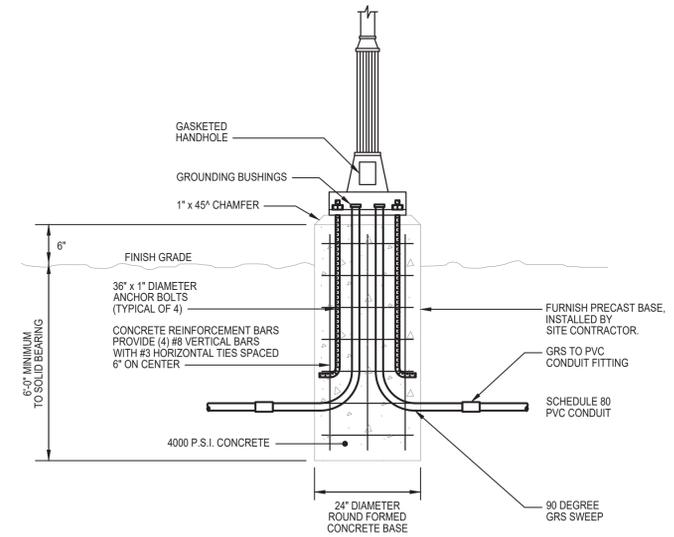
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5 SMOKE DAMPER DETAIL
SCALE: NTS

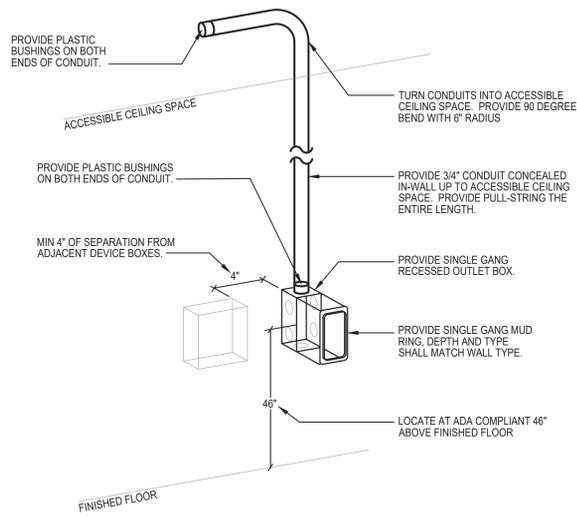


3 EXTERIOR LIGHTING CONTROL SCHEMATIC
SCALE: NTS



1 DECORATIVE POLE BASE DETAIL
SCALE: NTS

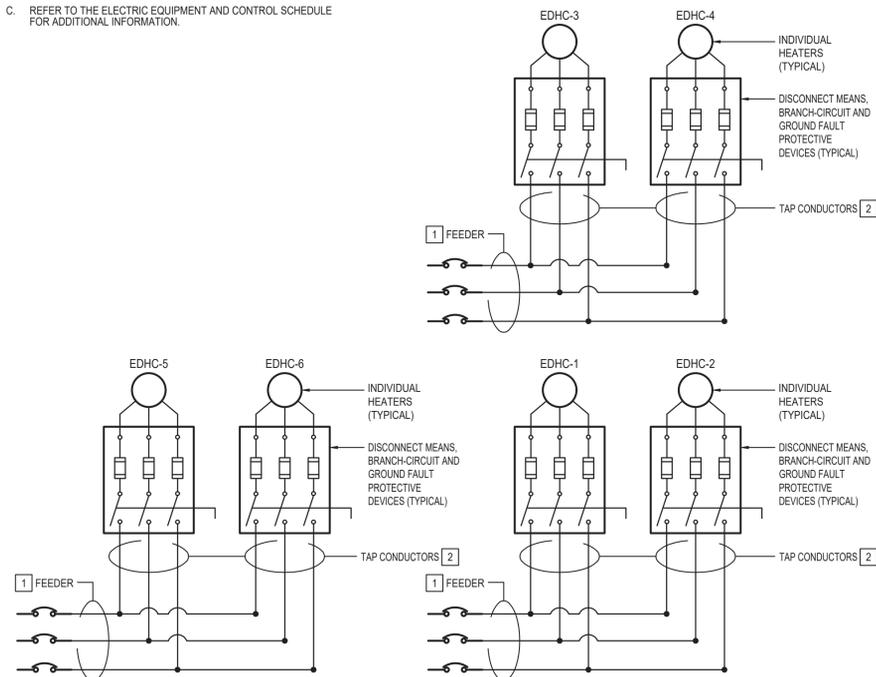
NOTES
A. WHEREVER POSSIBLE, DO NOT MOUNT TELEPHONE OUTLET BETWEEN AREA LIGHT SWITCHING AND DOOR FRAME (STRIKE SIDE).



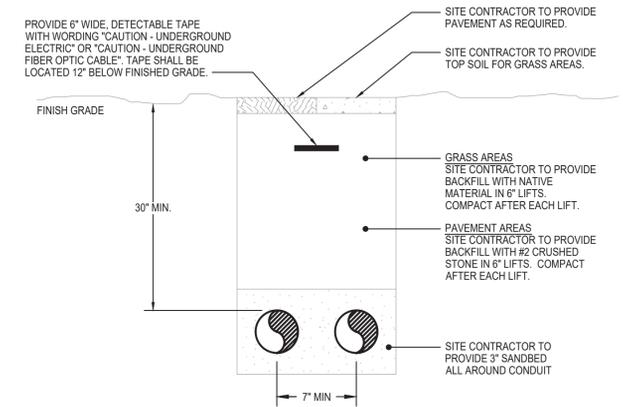
6 WALL MOUNTED TELEPHONE OUTLET DETAIL
SCALE: NTS

NOTES
A. THIS SCHEMATIC IS BASED ON A TYPICAL INSTALLATION OF EQUIPMENT WITH MULTIPLE POWER CONNECTIONS. OBTAIN WIRING AND INSTALLATION DIAGRAMS FOR ALL ELECTRICAL CONNECTIONS TO EQUIPMENT PROVIDED BY THE MECHANICAL CONTRACTOR PRIOR TO ROUGHING.
B. MECHANICAL EQUIPMENT FEEDER SHALL BE INSTALLED IN FULL COMPLIANCE WITH NEC SECTION 240.21(B) FEEDER TAPS.
C. REFER TO THE ELECTRIC EQUIPMENT AND CONTROL SCHEDULE FOR ADDITIONAL INFORMATION.

SUPPLY WIRING:
1 INDICATED AS WIRING FROM PANEL TO CONTROL UNIT WITHIN THE ELECTRIC EQUIPMENT AND CONTROL SCHEDULE.
2 INDICATED AS WIRING FROM DISCONNECT OR CONTROL UNIT TO EQUIPMENT WITHIN THE ELECTRIC EQUIPMENT AND CONTROL SCHEDULE.



4 MULTIPLE POWER CONNECTIONS EQUIPMENT WIRING SCHEMATIC
SCALE: NTS



2 DIRECT BURIED CONDUIT DETAIL
SCALE: NTS

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Revision: 06 BID 05/21/2024
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 Drawn by: CMK

E 602