GENERAL NOTES

(APPLY TO ALL DRAWINGS):

A. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES TO PERFORM ALL OPERATIONS REQUIRED FOR THE COMPLETE INSTALLATION AND RELATED WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN. ELECTRIC EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.

B. PROVIDE ALL ELECTRICAL EQUIPMENT CONNECTIONS.

C. PROVIDE ALL REQUIRED SUPPORTS AND ACCESSORIES.

D. PROVIDE ALL WORK IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE LATEST EDITION OF THE:
1. BUILDING CODE OF NEW YORK STATE
2. ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE
3. OSHA REQUIREMENTS
4. LOCAL MUNICIPAL ORDINANCES AND CODES
5. AUTHORITY HAVING JURISDICTION (AHJ)
6. SERVING UTILITY COMPANIES

E. PROVIDE ELECTRICAL INSPECTION CERTIFICATE FROM INSPECTION AGENCY RECOGNIZED AS ACCEPTABLE FROM THE AHJ.

F. ALL RECEPTACLES INDICATED AS GFI TYPE MUST BE A GFI RECEPTACLE. CONNECTING NORMAL RECEPTACLES DOWNSTREAM OF ONE GFI RECEPTACLE IS NOT ACCEPTABLE
PROVIDE TEMPORARY ELECTRICAL SERVICE IN SIZES TO ACCOMMODATE CONSTRUCTION WHERE REQUIRED.

G. REPAIR OR REPLACE ALL DEFECTS IN MATERIAL OR WORKMANSHIP WITHIN ONE YEAR OF CONSTRUCTION CLOSE OUT DATE AT NO ADDITIONAL COST TO THE OWNER.

H. PERFORM ALL OPERATIONS REQUIRED FOR A COMPLETE SYSTEM TEST. PRIOR TO CLOSE OUT DATE SUBMIT ALL SATISFACTORY SYSTEM TEST RESULTS FOR RECORD.

J. SUBMITTALS:
1. ALL ITEMS OF EQUIPMENT AND MATERIALS PROVIDED SHALL BE SUBMITTED FOR ENGINEERING REVIEW.
2. SUBMIT A MINIMUM OF THREE COPIES OF SHOP DRAWINGS/PRODUCT DATA INFORMATION.

K. CONTRACTOR IS HERE BY CAUTIONED THAT ELECTRIC POWER CHARACTERISTICS (VOLTAGE, PHASE, HORSEPOWER, AMPERAGE, ETC.) OF EQUIPMENT IS BASED ON AVAILABLE INFORMATION AT THE TIME OF PROJECT DESIGN. CONTRACTOR MUST VERIFY CHARACTERISTICS FOR EACH PIECE OF NEW EQUIPMENT PRIOR TO ORDERING ELECTRICAL EQUIPMENT. INDICATE VERIFICATION ON SUBMITTALS.

L. LOCATIONS INDICATED FOR LIGHTING FIXTURES ARE APPROXIMATE. LOCATE FIXTURES AS REQUIRED TO AVOID INTERFERENCE WITH BUILDING STEEL, PIPING, DUCTWORK, CONDUIT, DIFFUSERS, GRILLES, SPEAKERS, SMOKE DETECTORS, ETC. FIELD COORDINATE EXACT LOCATIONS AS NEAR AS POSSIBLE TO THE LOCATION INDICATED. VERIFY COMPLIANCE WITH NEC ARTICLE 410.16 FOR INSTALLATION OF LIGHT FIXTURES IN CLOTHES CLOSETS, PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.

M. EXACT LOCATIONS OF CEILING MOUNTED SMOKE DETECTORS, EXIT SIGNS, ETC. SHALL BE COORDINATED WITH OTHER CEILING MOUNTED EQUIPMENT TO AVOID CONFLICT. LOCATE DEVICES AS NEAR AS POSSIBLE TO THE LOCATION INDICATED. FIRE ALARM SMOKE AND HEAT DETECTORS SHALL BE LOCATED 3'-0 MINIMUM FROM HVAC DIFFUSERS, REGISTERS, GRILLES, ETC. SMOKE DETECTORS AT SMOKE DOORS MUST BE INSTALLED WITHIN 5'-0 OF THE DOORS (REFER TO NFPA 72).

N. ALL NEW CIRCUITING SHALL BE CONCEALED (EXCEPT IN UNFINISHED SPACES). PROVIDE ALL CUTTING AND PATCHING AS REQUIRED.

O. CONTRACTOR SHALL REVIEW ALL TRADES' CONTRACT DOCUMENTS TO DETERMINE SPECIFIC MOUNTING LOCATIONS FOR ELECTRICAL EQUIPMENT. COORDINATE EXACT MOUNTING LOCATIONS WITH THE ARCHITECT AND OTHER CONTRACTORS. REFER TO ARCHITECTURAL PLANS FOR CASEWORK LAYOUT, ELEVATIONS, ETC. COORDINATE WITH LOCATIONS OF ELECTRICAL DEVICES AND OUTLETS

P. EXACT LOCATION OF MECHANICAL AND PLUMBING EQUIPMENT THAT REQUIRE ELECTRICAL CONNECTIONS ARE SHOWN ON THE MECHANICAL AND PLUMBING DRAWINGS.

Q. PROVIDE CONDUIT/WIRING (CIRCUITING) AND REQUIRED CONNECTIONS TO ALL DEVICES/ EQUIPMENT. CONNECT TO CIRCUIT(S) AS INDICATED.

R. COORDINATE ALL WORK WITH OTHER TRADES; REFER TO ARCHITECTURAL DRAWINGS FOR COORDINATING LOCATIONS.

S. RE-INSTALL REMOVED SYSTEM DEVICES REMOVED AS A RESULT IN WALL, PARTITION OR CEILING REPLACEMENT WORK. PROVIDE POWER AND COMMUNICATION WALL AND PARTITION MOUNTED DEVICES AND RECONNECT TO EXISTING SYSTEMS. CLEAN EXISTING CEILING MOUNTED DEVICES. EXTEND EXISTING SYSTEM CIRCUITS AS REQUIRED FOR REINSTALLATION. COORDINATE WITH EXISTING SYSTEM MANUFACTURER.

T. SLEEVE AND SEAL ALL WALL AND FLOOR PENETRATIONS. PROVIDE APPROPRIATE FIRE STOPPING FOR ALL PENETRATIONS.

U. SHARED NEUTRAL SHALL NOT BE ALLOWED ON ANY BRANCH CIRCUITS. MAINTAIN SERVICE CLEARANCES OF ALL EQUIPMENT. ADVISE OTHER TRADES OF SERVICE CLEARANCES AND ENSURE NO SERVICES OR TRADES RUN THROUGH SERVICE AREA.

V. ALL WIRING INDICATED ON PLANS IS TO BE COPPER WIRING UNLESS OTHERWISE NOTED.

W. REFER TO ONE-LINE DIAGRAM. RATINGS TO MATCH THE RATING OF THE WALL/CEILING. UTILIZE FIRE RATED PUDDY PADS IN THESE LOCATIONS.

X. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING OF RECEPTACLES IN AND NEAR ALL MILLWORK AND CABINETRY.

Y. THE CONTRACTOR MUST FOLLOW FEDERAL AND STATE ELECTRICAL SAFETY PRACTICE INCLUDING LOCK OUT TAG OUT (LOTO). THE CONTRACTOR MUST AFFIX THEIR COMPANY'S INDIVIDUAL LOTO LOCKS AND TAGS TO CONTROL HAZARDOUS ENERGIES AND TO PREVENT INJURIES.

Z. PROVIDE SURFACE MOUNTED BOXES AND SURFACE METAL RACEWAY FOR ALL DEVICES INDICATED TO BE INSTALLED ON EXISTING WALLS, UNLESS OTHERWISE NOTED; COLOR TO MATCH EXISTING WALL.

AA. PROVIDE RECESSED BOXES AND RACEWAYS FOR ALL DEVICES INDICATED TO BE INSTALLED ON NEW WALLS, UNLESS OTHERWISE NOTED.

ABBREVIATIONS

ABBREV.	DESCRIPTION
A	AMPERE
AC	MOUNTED ABOVE COUNTER HEIGHT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CURRENT
AL	ALUMINUM
ASD	ADJUSTABLE SPEED DRIVE
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CU	COPPER
EC	ELECTRICAL CONTRACTOR/TRADE
FACP	FIRE ALARM CONTROL PANEL
G	GROUND
GC	GENERAL CONTRACTOR/TRADE
GEN	GENERATOR
GFCI/GFI	GROUND FAULT CIRCUIT INTERRUPTER
HH	HAND HOLE
HP	HORSE POWER
HVAC	HEATING, VENTILATION & AIR CONDITIONING CONTRACTOR/TRADE
JB	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KW	KILOWATT
LED	LIGHT EMITTING DIODE
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUG ONLY
MTS	MANUAL TRANSFER SWITCH
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NTS	NOT TO SCALE
P	POLE
SMR	SURFACE METAL RACEWAY
SPEC	SPECIFICATION
TYP	TYPICAL
UC	MOUNTED UNDER COUNTER HEIGHT
UL	UNDERWRITER'S LABORATORY
V	VOLT
W	WIRE/WATT
WP	WEATHERPROOF

BASIC MATERIALS AND METHODS

(E)	EXISTING TO REMAIN - INDICATES EXISTING ITEM SHALL REMAIN. MAINTAIN EXISTING ELECTRICAL CONNECTIONS UNLESS OTHERWISE NOTED.
(ER)	EXISTING TO BE RELOCATED - INDICATES EXISTING ITEM SHALL BE RELOCATED. DISCONNECT AND REMOVE, REINSTALL AT NEW LOCATION AND RECONNECT ITEM AS REQUIRED.
	EXISTING ELECTRICAL WIRING, EQUIPMENT OR DEVICE, DASHED LIGHT IS EXISTING TO BE REMOVED OR RELOCATED
	EXISTING ELECTRICAL WIRING, EQUIPMENT OR DEVICE, SOLID LIGHT IS EXISTING TO REMAIN
	HEAVY SOLID IS NEW
3	REFERENCE TO DRAWING NOTE
3	REFERENCE TO REMOVAL NOTE
X	KITCHEN EQUIPMENT TAG
J	JUNCTION BOX
	SPECIAL PURPOSE RECEPTACLE. PROVIDE PROPER VOLTAGE, CLASS, CURRENT RATING AND NEMA CONFIGURATION AS REQUIRED BY BRANCH CIRCUIT AND/OR MATCH CAP ON EQUIPMENT BEING FURNISHED BY OTHERS. PROVIDE CORD AND CAP.
	DUPLEX RECEPTACLE, 20 AMP, 125 VOLT SUBSCRIPTS INDICATE TYPE: AC - ABOVE THE COUNTER UC - UNDER THE COUNTER WP - WEATHER PROOF G - GROUND FAULT INTERRUPTER T - TAMPER RESISTANT
	QUAD RECEPTACLE 20 AMP, 125 VOLT
$S^{3}_{a,b,c}$	TOGGLE SWITCH, VOLTAGE AS INDICATED ON FIXTURE SCHEDULE, SUBSCRIPTS INDICATE TYPE: 3 - THREE WAY SWITCH 4 - FOUR WAY SWITCH K - KEYED SWITCH LV - LOW VOLTAGE, MOMENTARY CONTACT OS - OCCUPANCY SENSOR VS - VACANCY SENSOR a,b,c - SWITCHING DESIGNATIONS NUMBER OF LETTERS EQUALS NO. OF GANGED SWITCHES
VS	CEILING MOUNTED VACANCY SENSOR
OS	CEILING MOUNTED OCCUPANCY SENSOR
$\$^{3}_{a,b,c}$	DIMMER SWITCH, SUBSCRIPTS INDICATE TYPE: 3 - THREE WAY DIMMER SWITCH a,b,c - SWITCHING DESIGNATIONS NUMBER OF LETTERS EQUALS NO. OF GANGED SWITCHES
	GENERATOR EMERGENCY POWER OFF BUTTON
TC	TIME CLOCK

FIRE ALARM

S	SMOKE DETECTOR
F	MANUAL PULL STATION
F 15 A/V	WALL MOUNTED COMBINATION HORN AND STROBE # INDICATES STROBE CANDELA
F 15 V	WALL MOUNTED STROBE ONLY # INDICATES STROBE CANDELA
H	COMBINATION SET TEMPERATURE AND RATE OF RISE HEAT DETECTOR
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATION PANEL

POWER DISTRIBUTION AND CONTROL

	208Y/120 VOLT PANELBOARD.
M	EQUIPMENT CONNECTION. REFER TO ELECTRIC EQUIPMENT AND CONTROL SCHEDULE FOR DESCRIPTION. LETTERS AND NUMBERS INDICATE "ITEM DESIGNATION" ON THE SCHEDULE.
	SINGLE POINT CONNECTION TO EQUIPMENT, SEE DRAWING NOTES FOR REQUIREMENTS. SUBSCRIPT INDICATES ASSOCIATED EQUIPMENT/DEVICE: C - COOK TOP H - RANGE HOOD
ATS	AUTOMATIC TRANSFER SWITCH

GROUNDING

SYMBOL	DESCRIPTION
	EQUIPMENT GROUND BUSBAR

ONE LINE DIAGRAM SYMBOLS

	THERMAL MAGNETIC MOLDED CASE CIRCUIT BREAKER
	TRANSFORMER, SIZE AND TYPE AS INDICATED
	GROUND CONNECTION
A	FEEDER DESIGNATION. REFER TO FEEDER SCHEDULE
G	GENERATOR
CB-1 3Φ ---A. MLO	PANELBOARD SYMBOL PANEL NAME PHASE, AMPACITY, AND MLO/MCB
LSI	SOLID STATE TRIP BREAKER

SYSTEMS

	COMBINATION POWER AND TELE/DATA OUTLETS; REFER TO TYPICAL POWER AND TELE/DATA OUTLET DETAIL. SUBSCRIPT INDICATES QUANTITY: #P=QUANTITY OF DUPLEX RECEPTACLES. #D=QUANTITY OF DATA PORTS/CABLES. IF NO QUANTITY IS INDICATED, PROVIDE (2).
FB	FLOOR BOX; SUBSCRIPT INDICATES DEVICES: #P - NUMBER OF DUPLEX RECEPTACLES #D - NUMBER OF DATA BACKBOXES & (1)1" CONDUIT WITH PULLSTRING TO ABOVE ACCESSIBLE CEILING
TV	TELEVISION OUTLET; PROVIDE (1)DUPLEX RECEPTACLE & (1)EMPTY BACKBOX WITH (1)1" CONDUIT WITH PULLSTRING TO ABOVE ACCESSIBLE CEILING.
WAP	WIRELESS ACCESS POINT. PROVIDE (1) CAT6 CABLE FROM IT ROOM. (ACCESS POINT PROVIDED BY OTHERS).
DR	DATA RACK.
VP	VIDEO PROJECTOR (MOUNT AND PROJECTOR PROVIDED BY OTHERS). PROVIDE (1) FLUSH MOUNTED DUPLEX RECEPTACLE & (1)DATA BACKBOX WITH (1)1"CONDUIT AND PULLSTRING TO ABOVE ACCESSIBLE CEILING.
	FLUSH FLOOR POKE THROUGH; SUBSCRIPT INDICATES DEVICES: #P - NUMBER OF DUPLEX RECEPTACLES #D - NUMBER OF DATA BACKBOXES & (1)1" CONDUIT WITH PULLSTRING TO ABOVE ACCESSIBLE CEILING

LUMINARIES

A d	CEILING MOUNTED LUMINAIRE. UPPERCASE LETTERS INDICATE FIXTURE TYPE ON LUMINAIRE SCHEDULE, LOWER CASE LETTER INDICATE LIGHTING ZONE
A d	WALL MOUNTED LUMINAIRE. UPPERCASE LETTERS INDICATE FIXTURE TYPE ON LUMINAIRE SCHEDULE, LOWER CASE LETTER INDICATE LIGHTING ZONE
	SITE LIGHT. UPPERCASE LETTERS INDICATE FIXTURE TYPE ON LUMINAIRE SCHEDULE.
NL	LUMINAIRE PROVIDED WITH INTEGRAL 90-MINUTE BATTERY BACKUP; SUBSCRIPT INDICATES TYPE: NL - EMERGENCY LUMINAIRE ILLUMINATED AT ALL TIMES AND NOT CONTROLLED.
	WALL MOUNTED EMERGENCY LUMINAIRE WITH BATTERY PACK
	CEILING MOUNTED EXIT LUMINAIRE
	WALL MOUNTED EXIT LUMINAIRE

GENERAL FIRE ALARM NOTES

(APPLY TO ALL DRAWINGS):

A. THE CONTRACTOR SHALL PROVIDE A COMPLETE TEST OF THE EXISTING SYSTEM PRIOR TO MAKING MODIFICATIONS TO ASSESS THE CONDITION AND CAPABILITY OF DEVICES AND CIRCUITS TO BE REUSED. WHERE POSSIBLE, THE CONTRACTOR SHALL HAVE THE OPTION TO REUSE EXISTING DEVICES, BOXES AND WIRING.

B. IN GENERAL, EXISTING INITIATION AND NOTIFICATION APPLIANCE CIRCUITS SHALL BE RETAINED AND EXTENDED TO THE NEW CONTROL PANEL FOR DEVICES IN AREAS UNAFFECTED BY THE SCOPE OF WORK. NEW DEVICES SHALL BE TIED INTO EXISTING CIRCUITS, OR NEW CIRCUITS SHALL BE PROVIDED AS REQUIRED TO PROVIDE A COMPLETE SYSTEM AS INDICATED.

C. ALL WIRING SHALL BE COPPER, INSTALLED IN A DEDICATED/SEGREGATED EMT CONDUIT SYSTEM AND SHALL CONFORM TO THE NEC AND TO NFPA-72, NATIONAL FIRE ALARM CODE. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

D. THE COMPLETE FIRE ALARM SYSTEM SHALL BE FULLY TESTED AFTER THE WORK IS COMPLETE. TESTING SHALL INCLUDE ALL DEVICES, CONTROL PANEL, ANNUNCIATOR PANEL, OTHER PANELS, FEATURES AND FUNCTIONS. TESTING SHALL BE WITNESSED BY THE OWNER'S REPRESENTATIVE AND BE IN ACCORDANCE WITH THE NFPA. PROVIDE A TESTING REPORT TO THE AHJ AND THE ENGINEER AS A SUBMITTAL. REFER TO SPECIFICATION SECTION 283103.

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Drawing: ELECTRICAL LEGEND & ABBREVIATIONS

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Reg. Exp: 05/31/2027
Cert. of Auth: 0018443

Project:	23138	Date:	02/24/25
Drawn:	KML	Scale:	AS NOTED

Drawing Number: E-001

E-002 DRAWING NOTES (X)

1 PROVIDE HANDHOLE WITH (1)20A 120V CIRCUIT FOR SITE LIGHTING AND (1)30A 120V CIRCUIT FOR POWER TO THE DOG KENNEL.
2 PROVIDE HANDHOLE WITH (1)3" CONDUIT WITH PULLSTRING STUBBED UP INTO ELECTRICAL ROOM.
3 PROVIDE MINIMUM 2#10 & 1#10G IN 1" CONDUIT FOR CIRCUITING OF SITE LIGHTING.
4 PROVIDE MINIMUM 2#6 & 1#10G IN 1" CONDUIT FOR CIRCUITING OF DOG KENNEL.
5 RE-ROUTE EXISTING TELECOM CONDUIT. CONFIRM CONDUIT AND CABLING CHARACTERISTICS IN THE FIELD. COORDINATE RE-ROUTING WITH TELECOM COMPANY.
6 RE-ROUTE EXISTING CIRCUIT TO SEWAGE PUMP STATION. VERIFY ELECTRICAL CHARATERISTICS IN THE FIELD, MATCH EXISTING ELECTRICAL CHARACTERISTICS FOR RE-ROUTED CIRCUIT.

1 ELECTRICAL SITE PLAN
1" = 20'-0"

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NEW YORK 12549

Drawing: ELECTRICAL SITE PLAN

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Reg. Exp: 05/31/2027
Cert. of Auth: 0018443

Project: 23138 Date: 02/24/25
Drawn: KML Scale: AS NOTED
Drawing Number: E-002

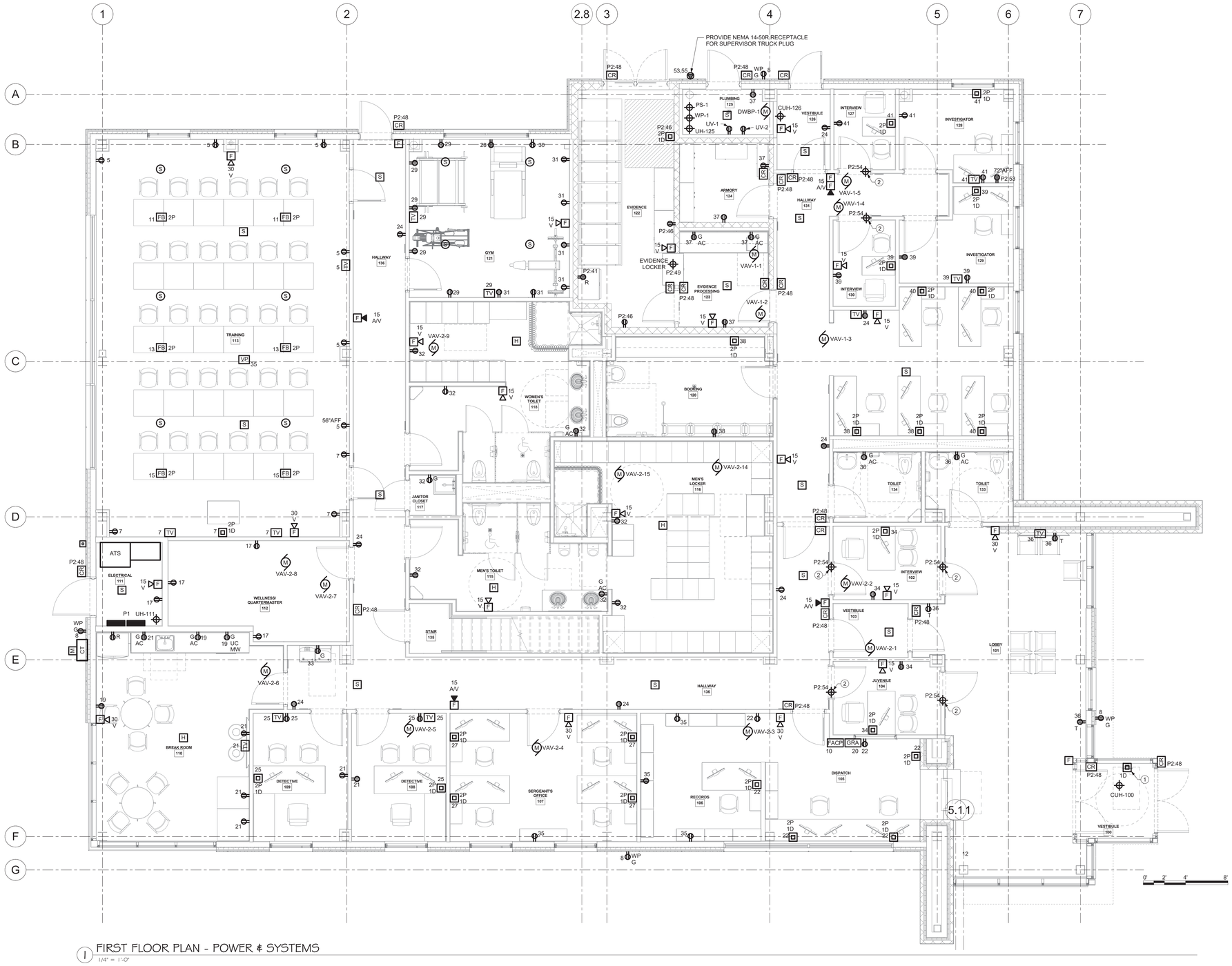
GENERAL NOTES:

A. ALL CIRCUITING SHALL BE A MINIMUM OF (2)#12 & (1)#12G IN 3/4" CONDUIT, UNLESS OTHERWISE NOTED.

B. CIRCUIT ALL EQUIPMENT AND DEVICES TO PANEL 'P1' UNLESS OTHERWISE NOTED.

E-101 DRAWING NOTES (X)

1 PROVIDE SINGLE GANG BACKBOX FOR 911 PHONE. ROUTE (1) 1" CONDUIT WITH PULL STRING UNDER SLAB TO JUNCTION BOX IN DISPATCH 105.
2 PROVIDE (1)120V 20A CIRCUIT TO INTERVIEW IN USE LIGHT.



I FIRST FLOOR PLAN - POWER & SYSTEMS
1/4" = 1'-0"

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Drawing: FIRST FLOOR PLAN - POWER & SYSTEMS

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Project: 23138	Date: 02/24/25
Drawn: KML	Scale: AS NOTED

Drawing Number: E-101

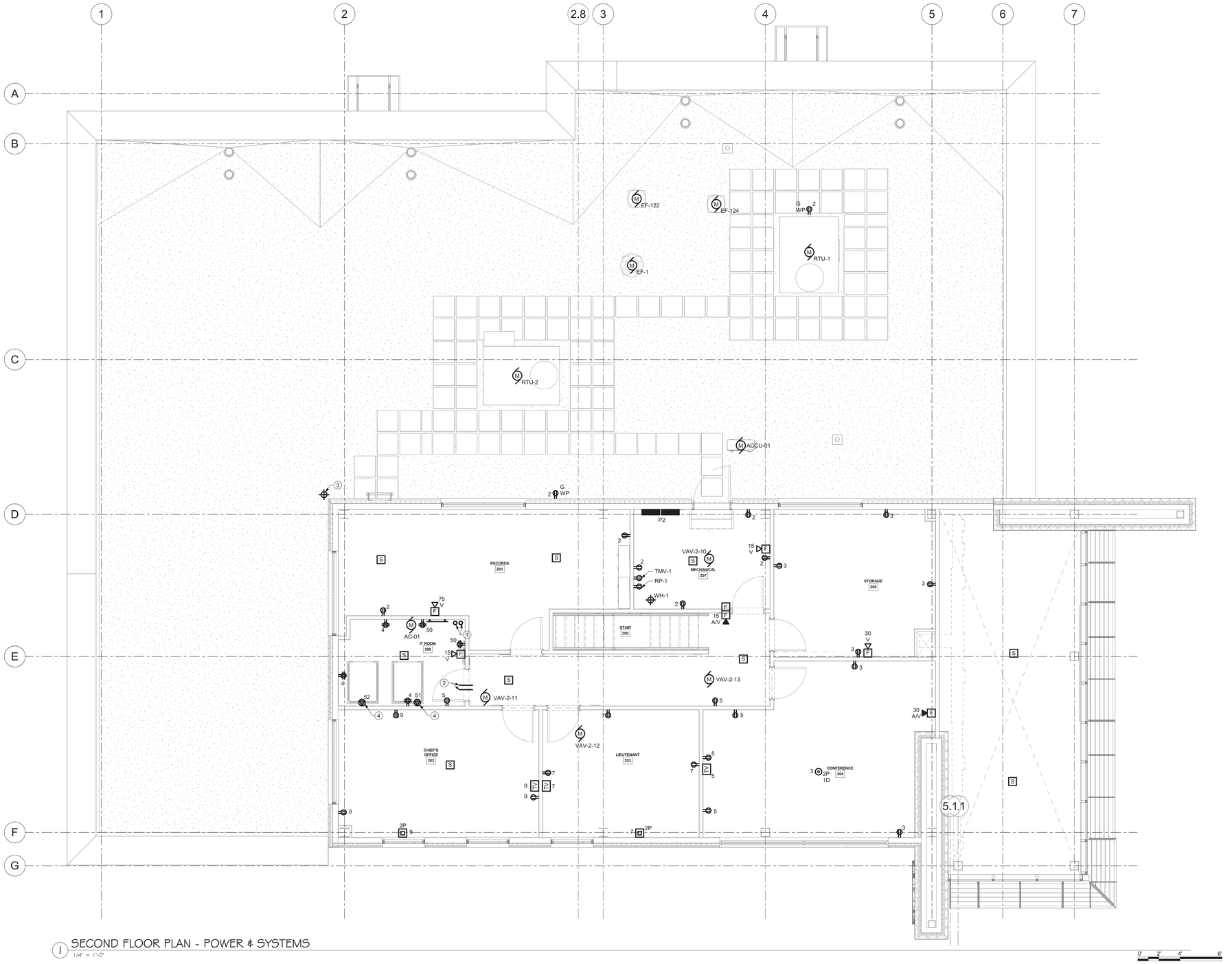
GENERAL NOTES:

A. ALL CIRCUITING SHALL BE A MINIMUM OF (2)#12 & (1)#12G IN 3/4" CONDUIT, UNLESS OTHERWISE NOTED.

B. CIRCUIT ALL EQUIPMENT AND DEVICES TO PANEL 'P2' UNLESS OTHERWISE NOTED.

E-102 DRAWING NOTES ⓧ

1 PROVIDE (2)3" CONDUIT SLEEVES IN FLOOR.
2 PROVIDE (3)3" CONDUIT SLEEVES IN IT CLOSET WALL. CONDUIT SLEEVE INTO CORRIDOR SHALL BE ABOVE ACCESSIBLE CEILING.
3 PROVIDE (1)1" CONDUIT FROM IT ROOM TO ANNTENAS LOCATION, AND (1)1" CONDUIT FROM IT ROOM DOWN TO THE DISPATCH OFFICE. CONFIRM EXACT LOCATION OF ANNTENAS WITH THE OWNER.
4 PROVIDE (1) NEMA 5-30R RECEPTACLE FOR DATA RACK.



1 SECOND FLOOR PLAN - POWER & SYSTEMS
1/4" = 1'-0"

0' 2' 4' 8'

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Drawing: SECOND FLOOR PLAN - POWER & SYSTEMS

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MICHAEL K. SULLIVAN
077887
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Project: 23138	Date: 02/24/25
Drawn: KML	Scale: AS NOTED

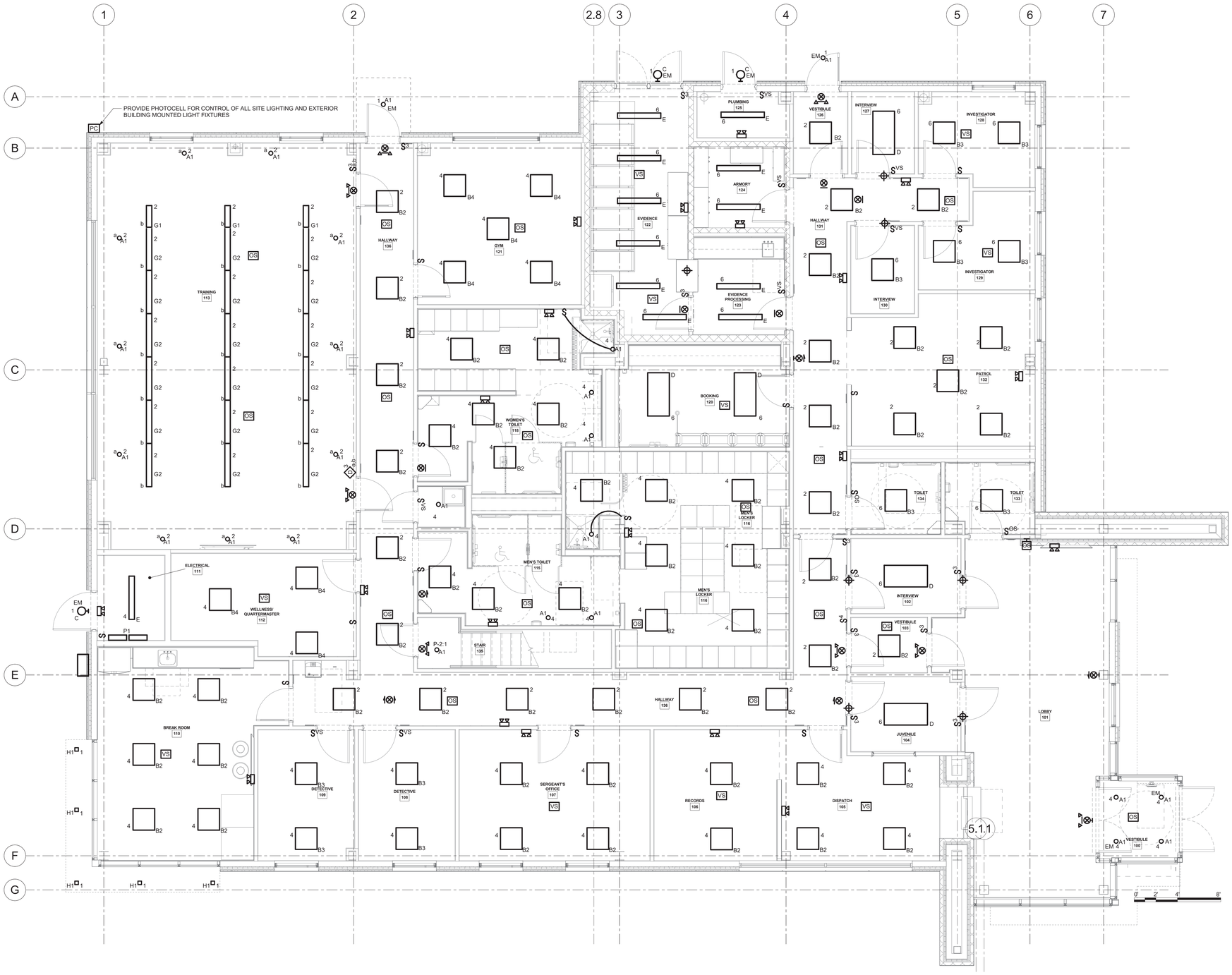
Drawing Number: E-102

GENERAL NOTES:

A. ALL CIRCUITING SHALL BE A MINIMUM OF (2)#12 & (1)#12G IN 3/4" CONDUIT, UNLESS OTHERWISE NOTED.

B. CIRCUIT ALL EQUIPMENT AND DEVICES TO PANEL 'P1' UNLESS OTHERWISE NOTED.

C. CIRCUIT ALL EXIT SIGNS AND EMERGENCY WALL PACKS AHEAD OF ANY LIGHTING CONTROLS. EXIT SIGNS SHALL ALL BE CIRCUITED TO (1)20A/1P CIRCUIT.



1 FIRST FLOOR PLAN - LIGHTING
1/4" = 1'-0"

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Drawing: FIRST FLOOR PLAN - LIGHTING

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Project: 23138	Date: 02/24/25
Drawn: KML	Scale: AS NOTED

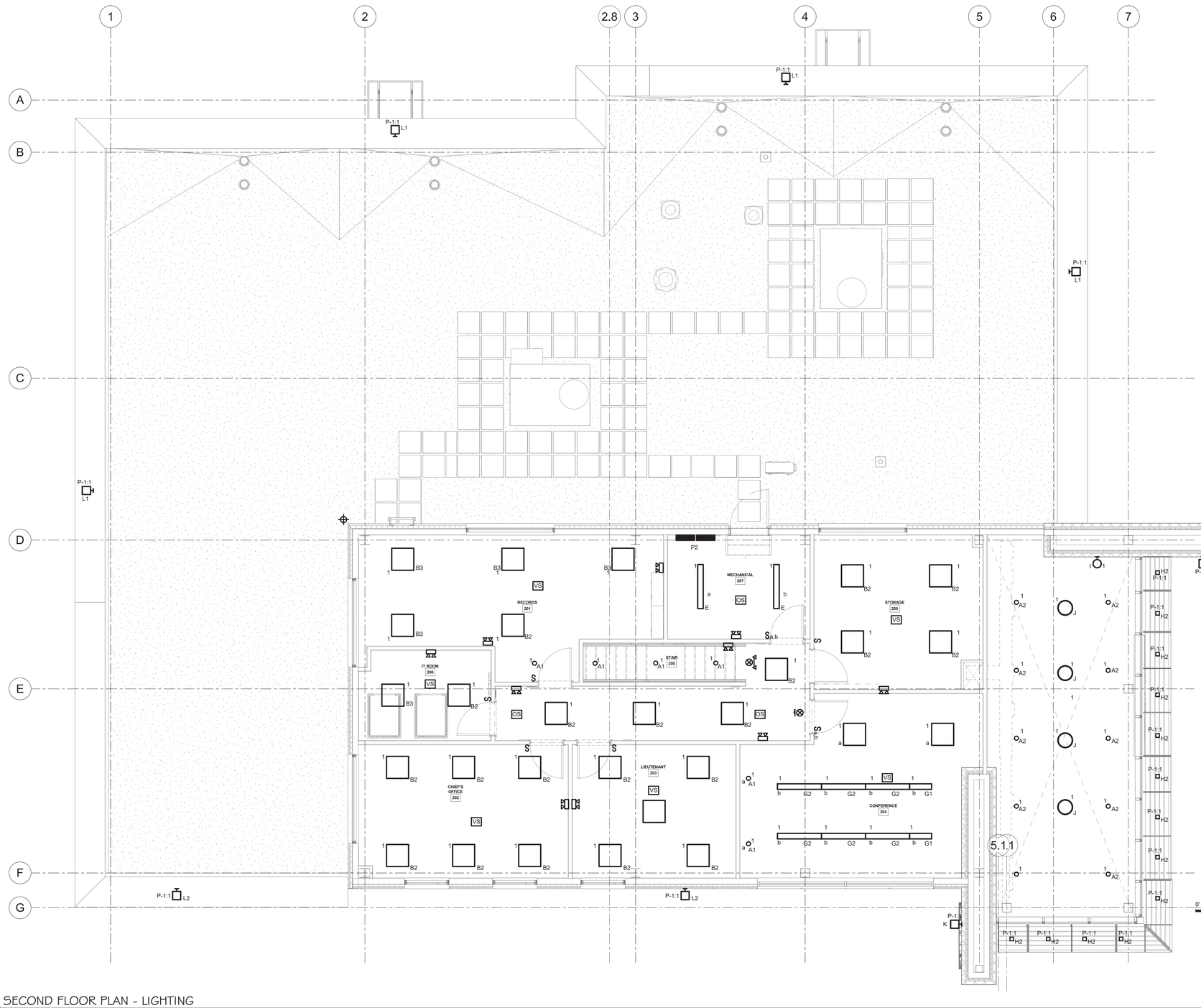
Drawing Number: E-201

GENERAL NOTES:

A. ALL CIRCUITING SHALL BE A MINIMUM OF (2)#12 & (1)#12G IN 3/4" CONDUIT, UNLESS OTHERWISE NOTED.

B. CIRCUIT ALL EQUIPMENT AND DEVICES TO PANEL 'P2' UNLESS OTHERWISE NOTED.

C. CIRCUIT ALL EXIT SIGNS AND EMERGENCY WALL PACKS AHEAD OF ANY LIGHTING CONTROLS. EXIT SIGNS SHALL ALL BE CIRCUITED TO (1)20A/1P CIRCUIT.



I SECOND FLOOR PLAN - LIGHTING
1/4" = 1'-0"

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Drawing: SECOND FLOOR PLAN - LIGHTING

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Project: 23138 | Date: 02/24/25
Drawn: KML | Scale: AS NOTED
Drawing Number: E-202

ELECTRIC EQUIPMENT AND CONTROL SCHEDULE

ABBREVIATIONS

AU	AT UNIT	IU	INTEGRAL WITH UNIT
B	ASD WITH BYPASS	M	MULTIPLE MOTOR ASD
ECB	ENCLOSED CIRCUIT BREAKER	NF	NON-FUSED
F	FUSED	R	ASD WITH REDUNDANT ASD
HOA	HAND-OFF-AUTO WITH RELAY	RE	REMOTE

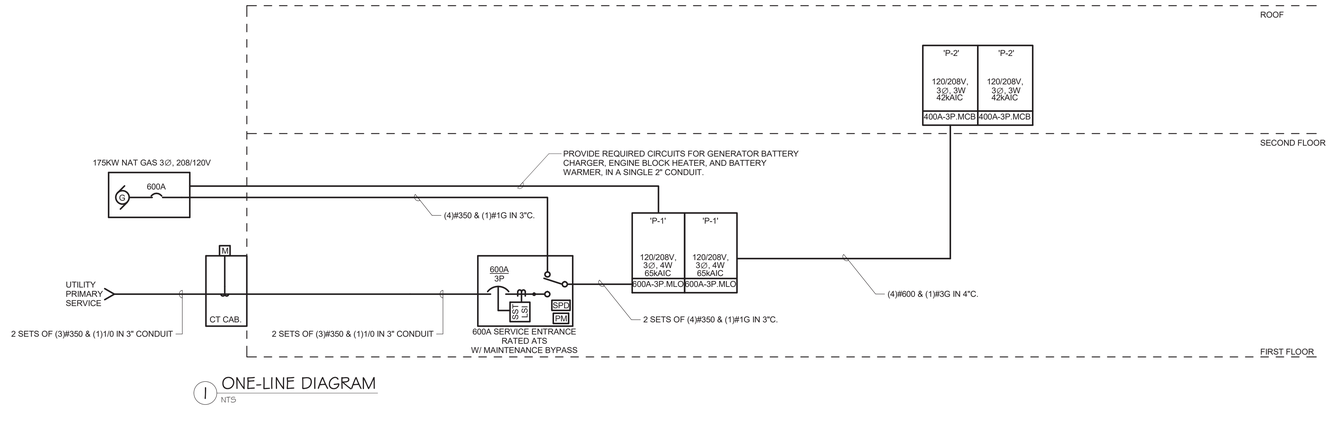
GENERAL NOTES

A.	REFER TO SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS
B.	PROVIDE CONTROLLER SIZED PER HP/AMPS.
C.	LOCATIONS/QUANTITIES OF FIRE ALARM DUCT DETECTORS ARE SHOWN ON PLANS

EQUIPMENT								POWER SOURCE, PROTECTION & WIRING					MOTOR CONTROLLER								DISCONNECTING MEANS					CONNECTIONS				EQUIPMENT	
ITEM ID	NAME	ROOM LOCATION	HP	KW	AMPERAGE	PHASE	VOLTAGE	SOURCE	OCPD RATING	WIRING FROM SOURCE TO EQUIPMENT VIA CONTROLLER / DISCONNECTING MEANS			MANUAL MOTOR STARTER	MAGNETIC MOTOR STARTER	COMBINATION MAGNETIC STARTER AND SAFETY SWITCH	ADJUSTABLE SPEED DRIVE	PACKAGED CONTROL UNIT	NEMA ENCLOSURE TYPE	NEMA STARTER SIZE	LOCATION	SAFETY SWITCH	SAFETY SWITCH AMPERE RATING	FUSE/CB AMPERE RATING	NEMA ENCLOSURE TYPE	LOCATION	FIRE ALARM SHUTDOWN	FIRE ALARM DUCT DETECTOR(S)	MOTORIZED DAMPER	LINE VOLTAGE TEMPERATURE CONTROL	REFERENCE NOTES	ITEM ID
										PHASE	GROUND	CONDUIT																				
RTU-1	ROOFTOP HANDLING UNIT	ROOF			60.7	3	208	P-2	80A/3P	3#3	1#8	1-1/4"C					X			IU					IU						RTU-1
RTU-2	ROOFTOP HANDLING UNIT	ROOF			132.2	3	208	P-2	175A/3P	3#2/0	1#6	2"C					X			IU					IU	X	X				RTU-2
VAV-1-1	AIR TERMINAL UNIT	EVIDENCE 123			8.4	1	208	P-1	15A/2P	2#12	1#12	3/4"C					X			IU					IU						VAV-1-1
VAV-1-2	AIR TERMINAL UNIT	EVIDENCE 123			8.4	1	208	P-1	15A/2P	2#12	1#12	3/4"C					X			IU					IU						VAV-1-2
VAV-1-3	AIR TERMINAL UNIT	CORRIDOR			10.8	1	208	P-1	15A/2P	2#12	1#12	3/4"C					X			IU					IU						VAV-1-3
VAV-1-4	AIR TERMINAL UNIT	CORRIDOR			6.0	1	208	P-1	15A/2P	2#12	1#12	3/4"C					X			IU					IU						VAV-1-4
VAV-1-5	AIR TERMINAL UNIT	CORRIDOR			8.4	1	208	P-1	15A/2P	2#12	1#12	3/4"C					X			IU					IU						VAV-1-5
VAV-2-1	AIR TERMINAL UNIT	CORRIDOR 103			45.1	3	208	P-2	50A/3P	3#6	1#10	3/4"C					X			IU					IU						VAV-2-1
VAV-2-2	AIR TERMINAL UNIT	CORRIDOR			4.8	1	208	P-1	15A/2P	2#12	1#12	3/4"C					X			IU					IU						VAV-2-2
VAV-2-3	AIR TERMINAL UNIT	CORRIDOR			13.2	1	208	P-1	15A/2P	2#12	1#12	3/4"C					X			IU					IU						VAV-2-3
VAV-2-4	AIR TERMINAL UNIT	CORRIDOR			10.8	1	208	P-1	15A/2P	2#12	1#12	3/4"C					X			IU					IU						VAV-2-4
VAV-2-5	AIR TERMINAL UNIT	CORRIDOR			10.8	1	208	P-1	15A/2P	2#12	1#12	3/4"C					X			IU					IU						VAV-2-5
VAV-2-6	AIR TERMINAL UNIT	BREAK ROOM 110			36.1	1	208	P-1	40A/2P	2#8	1#10	3/4"C					X			IU					IU						VAV-2-6
VAV-2-7	AIR TERMINAL UNIT	QUARTERMASTER 112			12.0	1	208	P-1	15A/2P	2#12	1#12	3/4"C					X			IU					IU						VAV-2-7
VAV-2-8	AIR TERMINAL UNIT	QUARTERMASTER 112			34.7	3	208	P-1	35A/3P	2#8	1#10	3/4"C					X			IU					IU						VAV-2-8
VAV-2-9	AIR TERMINAL UNIT	GYM 2-9			13.2	1	208	P-1	15A/2P	2#12	1#12	3/4"C					X			IU					IU						VAV-2-9
VAV-2-10	AIR TERMINAL UNIT	MECHANICAL 207			16.8	1	208	P-2	20A/2P	2#12	1#12	3/4"C					X			IU					IU						VAV-2-10
VAV-2-11	AIR TERMINAL UNIT	CORRIDOR			13.2	1	208	P-2	15A/2P	2#12	1#12	3/4"C					X			IU					IU						VAV-2-11
VAV-2-12	AIR TERMINAL UNIT	LIEUTENANT 204			8.4	1	208	P-2	15A/2P	2#12	1#12	3/4"C					X			IU					IU						VAV-2-12
VAV-2-13	AIR TERMINAL UNIT	CORRIDOR			22.8	1	208	P-2	25A/2P	2#10	1#10	3/4"C					X			IU					IU						VAV-2-13
VAV-2-14	AIR TERMINAL UNIT	MENS LOCKER 116			15.6	1	208	P-1	20A/2P	2#12	1#12	3/4"C					X			IU					IU						VAV-2-14
VAV-2-15	AIR TERMINAL UNIT	MENS LOCKER 116			9.6	1	208	P-1	15A/2P	2#12	1#12	3/4"C					X			IU					IU						VAV-2-15
CUH-100	CABINET UNIT HEATER	VESTIBULE 100		4	19.2	1	208	P-1	30A/2P	2#10	1#10	3/4"C					X			IU					IU						CUH-100
CUH-126	CABINET UNIT HEATER	CORRIDOR		4	19.2	1	208	P-1	30A/2P	2#10	1#10	3/4"C					X			IU					IU						CUH-126
UH-111	UNIT HEATER	ELECTRICAL 111		5	24.0	1	208	P-1	35A/2P	2#8	1#10	3/4"C					X			IU					IU						UH-111
UH-125	UNIT HEATER	PLUMBING 125		5	24.0	1	208	P-2	35A/2P	2#8	1#10	3/4"C					X			IU					IU						UH-125
EF-1	EXHAUST FAN	ROOF	1/4			3	208	P-2	15A/3P	3#12	1#12	3/4"C				X	X			IU					AU					2	EF-1
EF-122	EXHAUST FAN	ROOF			1.3	1	120	P-2	15A/1P	2#12	1#12	3/4"C					X			IU					IU						EF-122
EF-124	EXHAUST FAN	ROOF			1.3	1	120	P-2	15A/1P	2#12	1#12	3/4"C					X			IU					IU						EF-124
AC-01	AIR CONDITIONING UNIT	IT CLOSET 202			1.0	1	208	ACCU-01	-	2#12	1#12	3/4"C					X			IU					IU						AC-01
ACCU-01	AIR CONDITIONING UNIT	ROOF			19.0	1	208	P-2	20A/2P	2#12	1#12	3/4"C					X			IU					IU						ACCU-01
TMV-1	THERMOSTATIC MIXING VALVE	MECHANICAL 207			5.0	1	120	P-2	20A/1P	2#12	1#12	3/4"C					X			IU					AU					1	TMV-1
RP-1	RECIRC PUMP	MECHANICAL 207			1.8	1	120	P-2	20A/1P	2#12	1#12	3/4"C					X			IU					AU					1	RP-1
WH-1	WATER HEATER	MECHANICAL 207		5.5	26.4	1	208	P-2	35A/2P	2#8	1#10	3/4"C					X			IU	NF	30		1	AU						WH-1
UV-1	ULTRAVIOLET FILTER	PLUMBING 125		0.23	1.9	1	120	P-2	20A/1P	2#12	1#12	3/4"C					X			IU					AU					1	UV-1
UV-2	ULTRAVIOLET FILTER	PLUMBING 125		0.23	1.9	1	120	P-2	20A/1P	2#12	1#12	3/4"C					X			IU					AU					1	UV-2
WP-1	WELL PUMP	PLUMBING 125	10		30.8	3	208	P-2	70A/3P	3#8	1#8	3/4"C					X			IU	NF	60		1	AU						WP-1
DWBP-1	DOMESTIC WATER PUMP	PLUMBING 125	2		13.2	1	208	P-2	20A/2P	2#12	1#12	3/4"C					X			IU	NF	30		1	AU						DWBP-1
PS-1	PRESSURE SWITCH	PLUMBING 125			1.0	1	120	P-2	20A/1P	2#12	1#12	3/4"C					X			IU					AU					1	PS-1

REFERENCE NOTES

1	PLUG SERVES AS DISCONNECTING MEANS.
2	SAFETY DISCONNECT FURNISHED BY MC AND INSTALLED BY EC.



1 ONE-LINE DIAGRAM
NTS

ENGINEERING
Mechanical/Electrical Engineering Consultants
Capital District | Rochester | Buffalo | Syracuse
433 STATE STREET, 4TH FLOOR
SCHENECTADY, NY 12305
518.533.2171
www.meengineering.com

REVISIONS:

NUM.	DATE	DESCRIPTION

100% **BID DOCUMENTS**

KEY PLAN — WORK AREA

ADG ARCHITECTS
25 WALLKILL AVE • MONTGOMERY • NY 12549
O. 845.294.2724 | F. 888.305.6442
WWW.ADGARCHITECT.COM
CONTACT@ADGARCHITECT.COM
ARCHITECTURE • PLANNING • INTERIORS

Project: TOWN OF MONTGOMERY POLICE STATION
110 BRACKEN ROAD, MONTGOMERY,
NEW YORK 12549

Drawing: ELECTRICAL ONELINE DIAGRAM

STATE OF NEW YORK · MICHAEL K. SULLIVAN · 077887-1 · LICENSED PROFESSIONAL ENGINEER
Reg. Exp: 05/31/2027
Cert. of Auth: 0018443

Project:	23138	Date:	02/24/25
Drawn:	KML	Scale:	AS NOTED

Drawing Number:
E-601

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MFR. & CATALOG No.	LAMP	VOLTAGE	MOUNTING	UNIT WATTS	REFERENCE NOTES
A1	6" RECESSED DOWNLIGHT SEMI-SPECULAR REFELCTOR	LITHONIA LIGHTING LDN6 OR APPROVED EQUAL	LED 4000K 1000 LUMENS	120V	RECESSED	10.44W	
A2	SAME AS A1 EXCEPT LUMEN OUTPUT		LED 4000K 2000 LUMENS			22.52W	
B1	2X2 TROFFER WITH CURVED OPAL LENS	HOLOPHANE HVTS OR APPROVED EQUAL	LED 4000K 2000 LUMENS	120-277V	RECESSED	16.78W	
B2	SAME AS B1 EXCEPT LUMEN OUTPUT		LED 4000K 3000 LUMENS			24.15W	
B3	SAME AS B1 EXCEPT LUMEN OUTPUT		LED 4000K 4000 LUMENS			33.31W	
B4	SAME AS B1 EXCEPT LUMEN OUTPUT		LED 4000K 5000 LUMENS			42.62W	
C	WALL SCONCE VISUAL COMFORT FORWAR OPTIC	LITHONIA LIGHITNG WDGE1 OR APPROVED EQUAL	LED 4000K 2000 LUMENS	120V	WALL	15W	
D	2X4 RECESSED ELEMENT LAY-IN	HOLOPHANE HVTS OR APPROVED EQUAL	LED 4000K 5000 LUMENS	120-277V	RECESSED	41.92W	
E	48" LINEAR SUSPENDED FIXTURE	HOLOPHANE EHZL1D OR APPROVED EQUAL	LED 4000K 7000 LUMENS	120V	SUSPENDED	59.23W	
G1	2'-0" RECESSED LINEAR SLOT LED FIXTURE WITH FLUSH LENS	MARK LIGHTING SL4L OR APPROVED EQUAL	LED 4000K 400 LUMENS/FT	120V	SUSPENDED	4W/FT	
G2	SAME AS G1 EXCEPT 4'-0" LENGTH						
H1	6" RECESSED SQUARE DOWNLIGHT SEMI-SPECULAR REFELCTOR	LITHONIA LIGHTING LDN6SQ OR APPROVED EQUAL	LED 4000K 1000 LUMENS	120V	RECESSED	10.44W	
H2	SAME AS H1 EXCEPT LUMEN OUTPUT		LED 4000K 2000 LUMENS			22.52W	
I	EXTERIOR LED WALL CYLINDER UP & DOWN LIGHT	LITHONIA LIGHTING OLLWU OR APPROVED EQUAL	LED 4000K 1086 LUMENS	120V	WALL	13.8W	
J	LED HIGH BAY WITH MEDIUM GLASS REFRACTOR AND ACRYLIC REFLECTOR	HOLOPHANE PHG OR APPROVED EQUAL	LED 4000K 9000 LUMENS	120V		58.89W	
K	RUGGED EXTERIOR LED WALLPACK FIXTURE, SING-VUE OPTIC	HOLOPHANE SVLED3 OR APPROVED EQUAL	LED 4000K 9513 LUMENS	MVOLT	WALL	72.2W	
L1	FULL CUTOFF LED WALLPACK WITH TYPE FOUR MEDIUM DISTRIBUTION	HOLOPHANE HLWPC2 OR APPROVED EQUAL	LED 4000K 9882 LUMENS	MVOLT	WALL	95W	
L2	SAME AS L1 EXCEPT LUMEN PACKAGE AND FORWARD THROW MEDIUM DISTRIBUTION	HOLOPHANE HLWPC2 OR APPROVED EQUAL	LED 4000K 12125 LUMENS	MVOLT	WALL	115W	
⊗	EXIT SIGN	ISOLITE TL2 SERIES OR APPROVED EQUAL	LED		CEILING		
⊗	EXIT SIGN W/ BATTERY BACKUP LIGHTING UNIT	ISOLITE DCL SERIES OR APPROVED EQUAL	LED		CEILING		
⊠	EMERGENCY LIGHTING UNIT W/ BATTERY BACKUP	ISOLITE BUG SERIES OR APPROVED EQUAL	LED		WALL		

PANELBOARD DIRECTORY

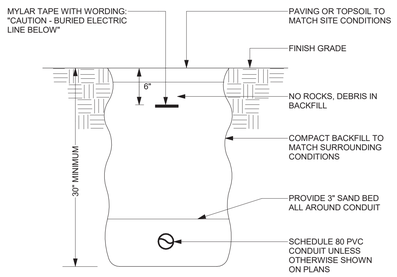
M/E PROJECT:	MONTGOMERY POLICE STATION	PANEL NAME:	P-1		TYPE:	BRANCH	
PROJECT NO.:	233326.00	VOLTAGE:	208 L - L	PHASE: 3	MOUNTING:	SURFACE	
FACILITY:		AIC:	65 k	WIRE: 4	OCP TYPE:	MLO	
LOCATION:	ELECTRICAL 111	SOURCE:	UTILITY		BUS RATING:	600	
					MCB RATING:		

DESCRIPTION	CKT NO.	TRIP	LTG. VA	RECEPT. VA	MOTOR VA	EQUIP. VA	HVAC VA	KIT VA	KIT VA	HVAC VA	EQUIP. VA	MOTOR VA	RECEPT. VA	LTG. VA	TRIP	CKT NO.	DESCRIPTION
EXTERIOR LTG	1a	20/1	500											1000	20/1	2a	LIGHTING
POLE LTG	3b	20/1	500											1000	20/1	4b	LIGHTING
REC 113	5c	20/1		1440										1000	20/1	6c	LIGHTING
REC 113	7a	20/1		1440									720		20/1	8a	EXTERIOR REC
REC 113	9b	20/1		720									500		20/1	10b	FACP
FLOOR BOX 113	11c	20/1		720									500		20/1	12c	FAAP
FLOOR BOX 113	13a	20/1		720								1200			20/1	14a	GEN CHARGER
FLOOR BOX 113	15b	20/1		720								1200			20/1	16b	GEN WARMER
REC 112	17c	20/1		720								1200			20/1	18c	GEN HEATER
KITCHEN REC	19a	20/1						720					500		20/1	20a	GRA
KITCHEN REC	21b	20/1						1080					1080		20/1	22b	DISPATCH REC
REFRIGERATOR	23c	20/1						1000					1440		20/1	24c	CORRIDOR REC
OFFICE REC	25a	20/1		1440									500		20/1	26a	ACCESS CNTRL
OFFICE REC	27b	20/1		1440								1200			20/1	28b	TREADMILL
GYM REC	29c	20/1		1260								1200			20/1	30c	TREADMILL
GYM REC	31a	20/1		1080									1440		20/1	32a	BATH REC
WATER COOLER	33b	20/1			1000								1080		20/1	34b	OFFICE REC
DISPATCH REC	35c	20/1		720									1080		20/1	36c	LOBBY REC
RECEPTACLES	37a	20/1		1080									1260		20/1	38a	OFFICE REC
OFFICE REC	39b	20/1		1440									1080		20/1	40b	OFFICE REC
OFFICE REC	41c	20/1		1440						1123					15/2	42c	VAV-1-3
VAV-1-1	43a	15/2					874			1123					15/2	44a	VAV-1-4
	45b						874			624						46b	
VAV-1-2	47c	15/2					874			624					15/2	48c	VAV-1-5
	49a						874			874						50a	
DOG KENNEL	51b	30/1								874					15/2	52b	VAV-2-2
TRUCK REC	53c	50/2								499						54c	
	55a									499						56a	
VAV-2-4	57b	15/2					1123			1373					15/2	58b	VAV-2-3
	59c						1123			1373						60c	
VAV-2-5	61a	15/2					1123			3754					40/2	62a	VAV-2-6
	63b						1123			3754						64b	
VAV-2-7	65c	15/2					1248			1622					20/2	66c	VAV-2-14
	67a						1248			1622						68a	
VAV-2-9	69b	15/2					1373			998					15/2	70b	VAV-2-15
	71c						1373			998						72c	
VAV-2-8	73a	35/3					4164			1997					30/2	74a	CUH-100
	75b						4164			1997						76b	
	77c						4164			1997					30/2	78c	CUH-126
PANEL P-2	79a	400/3	1000	2340	5479	0	35953	0		1997						80a	
	81b		0	3780	6562	0	37076	0		2496					35/2	82b	UH-111
	83c		0	1900	7988	0	35576	0		2496						84c	

PANELBOARD DIRECTORY

M/E PROJECT:	MONTGOMERY POLICE STATION	PANEL NAME:	P-2		TYPE:	BRANCH	
PROJECT NO.:	233326.00	VOLTAGE:	208 L - L	PHASE: 3	MOUNTING:	SURFACE	
FACILITY:		AIC:	42 k	WIRE: 4	OCP TYPE:	MCB	
LOCATION:	IT CLOSET 202	SOURCE:	P-1		BUS RATING:	400	
					MCB RATING:	400	

DESCRIPTION	CKT NO.	TRIP	LTG. VA	RECEPT. VA	MOTOR VA	EQUIP. VA	HVAC VA	KIT VA	KIT VA	HVAC VA	EQUIP. VA	MOTOR VA	RECEPT. VA	LTG. VA	TRIP	CKT NO.	DESCRIPTION
LIGHTING	1a	20/1	1000										1440		20/1	2a	RECEPTACLES
RECEPTACLES	3b	20/1		1440									720		20/1	4b	DATA REC
RECEPTACLES	5c	20/1		900						15864						6c	
RECEPTACLES	7a	20/1		900						15864					175/3	8a	RTU-2
RECEPTACLES	9b	20/1		900						15864						10b	
	11c						7284			300						12c	
RTU-1	13a	80/3					7284			300					15/3	14a	EF-1
	15b						7284			300						16b	
TMV-1	17c	20/1			600					351					15/1	18c	EF-122, 124
RP-1	19a	20/1			324					1976					20/2	20a	ACCU-01
WH-1	21b	35/2			2746					1976						22b	
	23c				2746							3696				24c	
UV-1, 2	25a	20/1			513							3696			70/3	26a	WP-1
PS-1	27b	20/1			120							3696				28b	
VAV-2-12	29c	15/2					874			1747					15/2	30c	VAV-2-10
	31a						874			1747						32a	
VAV-2-13	33b	25/2					2371			1373					15/2	34b	VAV-2-11
	35c						2371			1373						36c	
UH-125	37a	35/2					2496								20/1	38a	911 ANNTENA
	39b						2496								20/1	40b	WTHR ANNTENA
EVIDENCE REF	41c	20/1	1000									946			20/2	42c	DWBP-1
VAV-2-1	43a	50/3					5412					946				44a	
	45b						5412						720		20/1	46b	EVIDENCE REC
	47c						5412								20/1	48c	ELEC STRIKES
EVID. LOCKER	49a	20/1											720		20/1	50a	DATA REC
SPARE	51b	20/1													20/1	52b	SPARE
SPARE	53c	20/1													20/1	54c	SPARE
SPARE	55a	20/1													20/1	56a	SPARE
SPARE	57b	20/1													20/1	58b	SPARE
SPARE	59c	20/1													20/1	60c	SPARE



DETAIL NOTES:

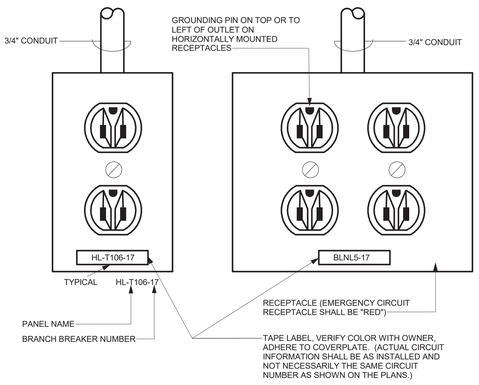
A. READ THE SPECIFICATIONS.

B. REPAIR ALL SETTLEMENT.

C. MINIMUM TOP SOIL - 6".

D. WHERE ADDITIONAL CONDUITS ARE REQUIRED, INCREASE TRENCH WIDTH AND INSTALL CONDUITS WITH 3" MINIMUM SPACING.

1 TYPICAL DIRECT BURIED CONDUIT DETAIL
NTS

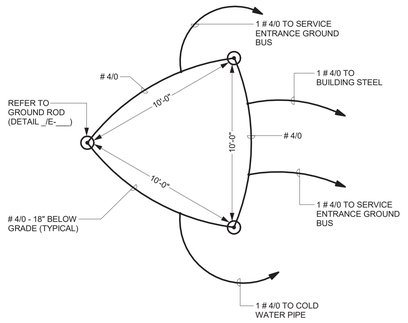


GENERAL DETAIL NOTES:

A. PROVIDE GREEN GROUND WIRE IN ALL RECEPTACLE CIRCUITS. CONNECT TO GROUND BUS IN PANEL.

B. DO NOT INSTALL RECEPTACLES, COMPUTER OR TELEPHONE OUTLETS BACK TO BACK. INSTALL IN ADJACENT STUD CAVITIES, TO REDUCE SOUND TRANSMISSION.

2 TYPICAL RECEPTACLE IDENTIFICATION REQUIREMENTS
NTS



4 GROUNDING SYSTEM DETAIL
NTS

ENGINEERING
Mechanical/Electrical Engineering Consultants
Capital District | Rochester | Buffalo | Syracuse
433 STATE STREET, 4TH FLOOR
SCHENECTADY, NY 12305
518.533.2171
www.meengineering.com

REVISIONS:

NUM.	DATE	DESCRIPTION

100% BID DOCUMENTS

KEY PLAN — WORK AREA

ADG ARCHITECTS
25 WALLKILL AVE • MONTGOMERY • NY 12549
O. 845.294.2724 | F. 888.305.6442
WWW.ADGARCHITECT.COM
CONTACT@ADGARCHITECT.COM
ARCHITECTURE • PLANNING • INTERIORS

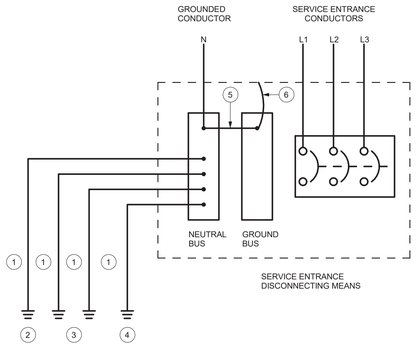
Project: TOWN OF MONTGOMERY POLICE STATION
110 BRACKEN ROAD, MONTGOMERY,
NEW YORK 12549

Drawing: ELECTRICAL SCHEDULES & DETAILS

STATE OF NEW YORK · MICHAEL K. SULTAN · LICENSED PROFESSIONAL ENGINEER · 071887-1
Reg. Exp: 05/31/2027
Cert. of Auth: 0018443

Project:	23138	Date:	02/24/25
Drawn:	KML	Scale:	AS NOTED

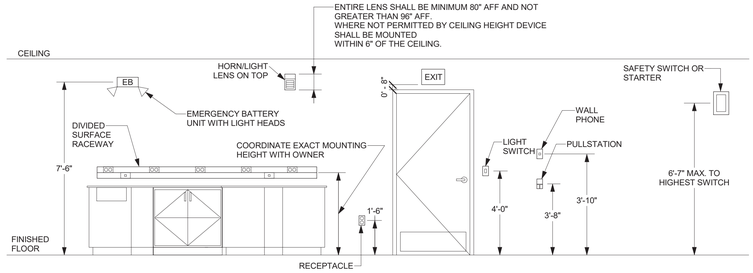
Drawing Number: E-701



DETAIL NOTES:

1. GROUNDING ELECTRODE CONDUCTOR. PROVIDE INSULATED COPPER CONDUCTOR PER SPECIFICATIONS. IF NO SIZE IS SPECIFIED, PROVIDE INSULATED COPPER CONDUCTOR SIZED PER N.E.C., TABLE 250-66. INSTALL IN RIGID, SCHEDULE 40, PVC RACEWAY.
2. METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH EARTH FOR 10 FEET OR MORE. SHALL BE SUPPLEMENTED BY ITEMS 3 & 4.
3. BUILDING STRUCTURAL STEEL.
4. MADE GROUNDING ELECTRODE. REFER TO MADE GROUNDING ELECTRODE-GROUND GRID" DETAIL & SPECIFICATIONS.
5. MAIN BONDING JUMPER. PROVIDE INSULATED COPPER CONDUCTOR PER N.E.C. ARTICLE 250-28.
6. BOND GROUND BUS TO EQUIPMENT ENCLOSURE WITH BARE COPPER BONDING JUMPER PER N.E.C ARTICLE 250-28.

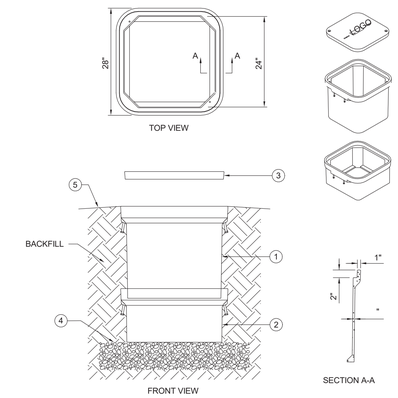
1 SERVICE ENTRANCE GROUNDING
NTS



DETAIL NOTES:

1. MOUNTING HEIGHTS TO CENTER OF OUTLETS UNLESS OTHERWISE NOTED. IN MASONRY CONSTRUCTION THE ABOVE MOUNTING HEIGHTS SHALL BE USED FOR REFERENCE TO NEAREST BLOCK OR BRICK COURSING.
2. THE ABOVE MOUNTING HEIGHTS SHALL BE ADHERED TO UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE ON THE DRAWINGS.

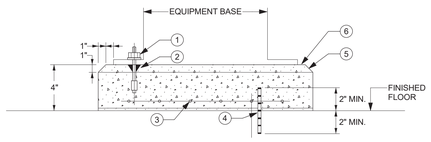
2 TYPICAL EQUIPMENT AND WIRING DEVICES MOUNTING HEIGHTS
NTS



NOTES:

1. 24" x 24" x 24" PRECAST POLYMER CONCRETE STACKABLE ENCLOSURE, OPEN BOTTOM.
2. 24" x 24" x 14" STACKABLE EXTENSION, OPEN BOTTOM.
3. BOLTED COVER.
4. 6" OF #2 CRUSHED STONE BELOW HANDHOLE. EXTEND MINIMUM OF 6" AROUND OUTSIDE EDGE.
5. SLOPE FINISHED GRADE AWAY FROM COVER.

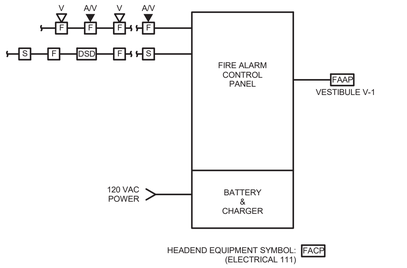
9 HANDHOLE DETAIL
NTS



DETAIL NOTES:

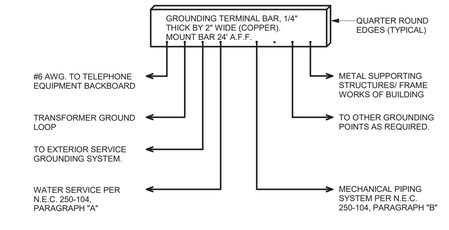
1. ANCHOR BOLT, SIZE & LOCATION AS REQUIRED TO MATCH EQUIPMENT BASE.
2. PLASTIC SLEEVE & ANCHOR.
3. #3 REINFORCING BARS, 12" O.C. EACH WAY.
4. #4 DOWEL, 12" O.C.
5. CHAMFER.
6. CONCRETE PAD 3,000 PSI CONCRETE, LENGTH & WIDTH, 6" GREATER THAN THE EQUIPMENT BASE PLATE.

4 CONCRETE EQUIPMENT BASE DETAIL (ELEC)
NTS



HEADEND EQUIPMENT SYMBOL: FACP (ELECTRICAL 111)

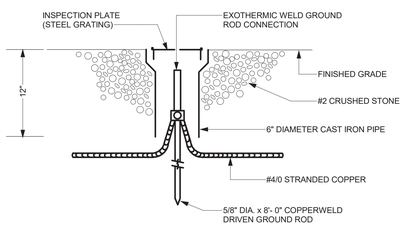
3 FIRE ALARM BLOCK DIAGRAM
NONE



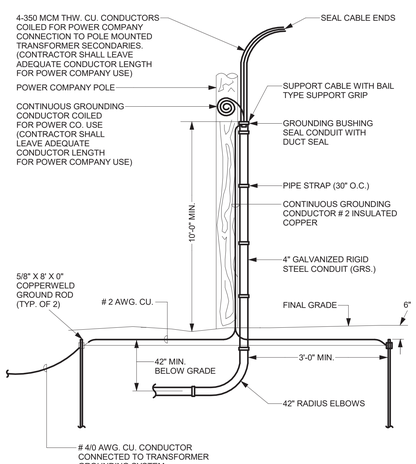
DETAIL NOTES:

A. ALL GROUND CONDUCTORS SHALL BE #4/0 BARE STRANDED COPPER INSTALLED IN A 1" PVC CONDUIT

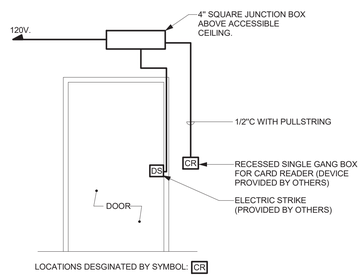
5 ELECTRICAL ROOM GROUNDING TERMINAL BAR DETAIL
NTS



6 TYPICAL GROUND ROD DETAIL
NTS



7 STEEL CONDUIT RISER AT POWER COMPANY POLE - 02
NTS



DETAIL NOTES:

A. TERMINATIONS AND TESTING BY OTHERS.

B. COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR AND DOOR INSTALLER.

C. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

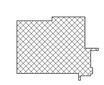
8 TYPICAL DOOR ACCESS CONTROL
NTS

ENGINEERING
Mechanical/Electrical Engineering Consultants
Capital District | Rochester | Buffalo | Syracuse
433 STATE STREET, 4TH FLOOR
SCHENECTADY, NY 12305
518.533.2171
www.meengineering.com

REVISIONS:

NUM.	DATE	DESCRIPTION

100% BID DOCUMENTS



KEY PLAN — WORK AREA

ADG ARCHITECTS
25 WALLKILL AVE • MONTGOMERY • NY 12549
O. 845.294.2724 | F. 888.305.6442
WWW.ADGARCHITECT.COM
CONTACT@ADGARCHITECT.COM
ARCHITECTURE • PLANNING • INTERIORS

Project: TOWN OF MONTGOMERY POLICE STATION
110 BRACKEN ROAD, MONTGOMERY,
NEW YORK 12549

Drawing: ELECTRICAL DETAILS

Reg. Exp: 05/31/2027
Cert. of Auth: 0018443

Project: 23138	Date: 02/24/25
Drawn: KML	Scale: AS NOTED

Drawing Number: E-702