ELECTRICAL SYMBOL LIST

(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)

SYMBOL	DESCRIPTION
	20A, 125V DECORA STYLE DUPLEX RECEPTACLE – FLUSH WALL MOUNTED
USB	20A, 125V DECORA STYLE DUPLEX RECEPTACLE WITH DUAL USB PORTS. USB, DUPLEX RECEPTACLE WITH (2) USB–C PORTS & (1) USB–A PORT. USB–A, DUPLEX RECEPTACLE WITH (1) USB–A PORTS.
	20A, 125V SINGLE RECEPTACLE – FLUSH WALL MOUNTED
	20A, 125V DECORA STYLE QUADRUPLEX RECEPTACLE – FLUSH WALL MOUNTED
	20A, 125V DECORA STYLE GFCI TYPE DUPLEX RECEPTACLE – FLUSH WALL MOUNTED
WP	20A, 125V GFCI TYPE WEATHER RESISTANT DUPLEX RECEPTACLE IN WEATHER PROOF ENCLOSURE
	SPECIAL PURPOSE RECEPTACLE – FLUSH WALL MOUNTED
	20A, 125V DECORA STYLE HALF SWITCHED DUPLEX RECEPTACLE – FLUSH WALL MOUNTED. BOTTOM HALF OF DUPLEX RECEPTACLE TO BE SWITCHED VIA WALL SWITCH
FC SC	20A, 125V DECORA CONTROLLED DUPLEX RECEPTACLE – FLUSH WALL MOUNTED. DUPLEX RECEPTACLE TO BE CONTROLLED VIA ROOM OCCUPANCY SENSORS AND OR PROGRAMMING. FC – FULLY CONTROLLED RECEPTACLE, #CAR2S–20–DTR SC – SPLIT CONTROLLED RECEPTACLE, #CAR2S–20–STR (SC QUAD IS (1)FC DUPLEX & (1) NON CONTROLLED DUPLEX
	2 HOUR RATED FLUSH FLOOR MOUNTED DUPLEX RECEPTACLE
TV	2 HOUR RATED FLUSH FLOOR MOUNTED COMBINATION DUPLEX RECEPTACLE & VOICE/DATA OUTLET. ROUTE 1 1/4" EMPTY CONDUIT WITH DRAGLINE FOR VOICE/DATA CABLING INTO NEAREST PARTITION AND EXTEND INTO NEAREST ACCESSIBLE CEILING. TERMINATE WITH ANTI–SHORT BUSHING.
TV	2 HOUR RATED FLUSH FLOOR MOUNTED COMBINATION QUADRUPLEX RECEPTACLE & VOICE/DATA OUTLET. ROUTE 1 1/4" EMPTY CONDUIT WITH DRAGLINE FOR VOICE/DATA CABLING INTO NEAREST PARTITION AND EXTEND INTO NEAREST ACCESSIBLE CEILING. TERMINATE WITH ANTI–SHORT BUSHING.
J	CEILING MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
J	FLUSH WALL MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
J	FLUSH FLOOR MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
	UNFUSED DISCONNECT SWITCH – 30A, 3P, U.O.N.
100A 60A	FUSED DISCONNECT SWITCH – 100 AMP SWITCH, 60 AMP FUSE, UNFUSED (EXCEPT WHERE FUSE SIZE IS INDICATED) 3–POLE (EXCEPT WHERE NOTED)
	COMBINATION MOTOR CONTROLLER AND DISCONNECT SWITCH FURNISHED BY MECHANICAL CONTRACTOR INSTALLED BY ELECTRICAL CONTRACTOR. COOR. LOCATION W/MECH. CONT.
CB 100A 60A	CIRCUIT BREAKER 100A FRAME/60A TRIP, 3 POLE, U.O.N. ST – SHUNT TRIP
VFD	VARIABLE FREQUENCY DRIVE (VFD), FURNISHED BY MECHANICAL CONTRACTOR INSTALLED BY ELECTRICAL CONTRACTOR. COORD. LOCATION WITH MECH. CONTRACTOR
SPD	SURGE PROTECTION DEVICE
FSCP	COMBINATION FIRE/SMOKE DAMPER – COORD. LOCATION WITH MECH. CONTRACTOR INTERCONNECT TO FIRE ALARM SYSTEM
M	MOTOR
	PULLBOX, SIZED PER NEC
T	DRY TYPE 480–208V TRANSFORMER DELTA–WYE WITH GROUNDED SECONDARY SIDE, U.O.N.
	FLUSH MOUNTED PANELBOARD
	SURFACE MOUNTED PANELBOARD
GND	GROUND BAR
	2#12+1#12G–3/4"C FOR ONE CKT. HOMERUN, U.O.N.
	3#12+1#12G–3/4"C FOR TWO CKT. HOMERUN, U.O.N.
	4#12+1#12G–3/4"C FOR THREE CKT. HOMERUN, U.O.N.
	3#12+1#12G–3/4"C HOMERUN, U.O.N.
	CONCEALED CONDUIT IN CEILING
	CONCEALED CONDUIT UNDERNEATH THE FLOOR
	CONDUIT TURNING UP
	CAPPED CONDUIT
	FLEXIBLE EQUIPMENT CONNECTION
	GROUND CONNECTION
	CIRCUIT BREAKER – MOLDED CASE TYPE
	FUSED SWITCH, TYPE 'FA' FUSE
	FUSE
	UNFUSED SWITCH – 100 AMP SWITCH
M	UTILITY METER WITH CT. COMPARTMENT
SUB M	DIGITAL SUB–METER E–MON D–MON 2000 CLASS #480100,200,400,8000 KIT, PROVIDE A 20A/3–POLE BREAKER IN LOCAL POWER PANEL
CHIME DB / DBT	DOOR BELL PUSH BUTTON / DOOR BELL CHIME AND ASSOCIATED TRANSFORMER
TV	WALL MOUNTED TELEVISION OUTLET WITH 3/4" EMPTY CONDUIT & DRAG LINE TERMINATED IN A 90° BEND 6" INTO NEAREST ACCESSIBLE CEILING
V	VOICE & DATA OUTLET LOCATION WITH 1" EMPTY CONDUIT & DRAG LINE TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING
$_{SH}$	ADA "CALL FOR ASSISTANCE" PULL CORD SWITCH, HORN/STROBE & 24V TRANS., EST EDWARDS KIT MODEL #6538–05
$_{T}$	MANUAL STARTER – TOGGLE TYPE WITH THERMAL ELEMENT – 250V HP RATED, FURNISHED BY ELEC CONTRACTOR
	WALL MOUNTED EMERGENCY LIGHTING UNIT, SEE BOH LIGHTING SCHEDULE
	RECESSED CEILING MOUNTED EMERGENCY LIGHTING UNIT, DUAL–LITE #EV4R
SPD1	SURGE PROTECTION DEVICE, CURRENT TECHNOLOGY #SL32002083YMDTM2F.
SPD2	SURGE PROTECTION DEVICE, CURRENT TECHNOLOGY #TG30502083YMDTM1F.
SPD3	SURGE PROTECTION DEVICE, CURRENT TECHNOLOGY #CG60120208 3GY FED WITH A 60A/3P CIRCUIT BREAKER.
CR KT	CARD READER/KEY FOB. PROVIDE A BACKBOX WITH 1" EMPTY CONDUIT & DRAG LINE TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING. PROVIDE A FIRE ALARM CONTROL MODULE AND RELAY FOR DOOR RELEASE UPON ACTIVATION OF THE FIRE ALARM SYSTEM. REFER TO ARCHITECTURAL AND LOW VOLTAGE DRAWINGS FOR LOCATIONS.
EPO	EMERGENCY POWER OFF PUSH BUTTON. SEE DETAIL "EMERGENCY POWER SHUTDOWN DETAIL" ON DRAWING E–803.
ARMS	ARC ENERGY REDUCTION MAINTENANCE SWITCH
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS AND GROUND FAULT PROTECTION

TWO WAY COMMUNICATION SYMBOL LIST

NOTES:
1. PROVIDE ALL CONDUIT AND WIRING BETWEEN BASE STATION AND CALL BOXES AS REQUIRED FOR A COMPLETE CODE COMPLIANT INSTALLATION

SYMBOL	DESCRIPTION
2WB	TWO WAY COMMUNICATION BASE STATION, RATH #2500–210PSS, WITH ENCLOSURE, RATH #2500–210FM, PROVIDE A 120V, 20A DEDICATED CIRCUIT LOCKABLE CIRCUIT BREAKER AND DEDICATED PHONE LINE TO CENTRAL MONITORING STATION
2W	TWO WAY COMMUNICATION CALL BOX, RATH #2100–958SSRC2, WITH DIRECTION SIGN, RATH #7049SS

BI-DIRECTIONAL AMPLIFIER (BDA) SYSTEM SYMBOL LIST

NOTES:
1. REFER TO EMERGENCY RESPONDER COMMUNICATION ENHANCEMENT SYSTEM (ERCES) RISER DIAGRAM FOR ADDITIONAL INFORMATION.

SYMBOL	DESCRIPTION
	LOW PROFILE ANTENNA (AS SHOWN ON POWER DRAWINGS)
	TACTICAL SERIES DIPOLE ANTENNA
BDA	BI–DIRECTIONAL AMPLIFIER (BDA)
BDAA	BI–DIRECTIONAL AMPLIFIER ANNUNCIATOR (BDAA)

LIGHTING CONTROL SYMBOL LIST

(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)

SYMBOL	DESCRIPTION
$	SINGLE POLE LINE VOLTAGE SWITCH
^{3}	3–WAY LINE VOLTAGE SWITCH
^{K}	KEY ACTIVATED LINE VOLTAGE SWITCH
D	LUTRON NOVA T SERIES DIMMER SWITCH, U.O.N., EXACT DEVICE SPEC SHALL BE COORDINATED WITH LIGHT FIXTURE DIMMING CAPABILITIES
PP	POWER PACK MOUNTED IN JUNCTION BOX LOCATED ABOVE FINISHED CEILING, LUTRON #PP–DV–M
VS	CEILING MOUNTED DUAL TECHNOLOGY VACANCY SENSOR, LUTRON #LOS–CDT–2000R–WH
OS	CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR, LUTRON #LOS–CUS–2000–WH
DM	0–10V DIMMING MODULE MOUNTED IN JUNCTION BOX LOCATED ABOVE FINISHED CEILING, LUTRON #RMJS–8T–DV–B (OR, LUTRON #RMKS–250NE PER FIXTURE DIMING CAPABILITIES)
DM$_{EM}$	0–10V EMERGENCY DIMMING MODULE MOUNTED IN JUNCTION BOX LOCATED ABOVE FINISHED CEILING, LUTRON #RMJS–8T–DV–B–EM
R1	5A RELAY MODULE MOUNTED IN JUNCTION BOX LOCATED ABOVE FINISHED CEILING, LUTRON #RMJS–5R–DV–B
R2	16A RELAY MODULE MOUNTED IN JUNCTION BOX LOCATED ABOVE FINISHED CEILING, LUTRON #RMJS–16R–DV–B
R2$_{EM}$	16A RELAY MODULE MOUNTED IN JUNCTION BOX LOCATED ABOVE FINISHED CEILING, LUTRON #RMJS–16R–DV–B–EM
WS	WIRELESS OCCUPANCY/VACANCY SENSOR, CEILING MOUNTED, LUTRON #LRF2–OCR2B–P–WH V – VACANCY SENSOR OPTION OS – OCCUPANCY SENSOR OPTION.
WS	WALL MTD WIRELESS OCCUPANCY SENSOR, LUTRON #LRF2–O–W–LB–P–WH
WH	VIVE WIRELESS HUB, FLUSH MOUNTED, LUTRON #HJS–1–FM + #PS–J–20W–UNV POWER SUPPLY MOUNTED IN JUNCTION BOX
VS OS	WALL MTD DUAL TECHNOLOGY VACANCY/OCCUPANCY SENSOR, LUTRON #MS–B102
DS	WIRELESS DAYLIGHT SENSOR, CEILING MOUNTED, LUTRON #LRF2–DCRB–WH
$^{LV}	LOW VOLTAGE MOMENTARY SWITCH, LUTRON #NRTCS–1–WH
$^{WS}	WIRELESS 2–BUTTON SWITCH, LUTRON #PJ2–2B–GWH–L01 + #CW–1–WH
$^{DS}	WIRELESS 2–BUTTON RAISE/LOWER SWITCH, LUTRON #PJ2–2BRL–GWH–L01 + #CW–1–WH
$^{SS}	WIRELESS 4–BUTTON SCENE SWITCH, LUTRON #PJ2–4B–GWH–L31 + #CW–1–WH
$^{OR}	REMOTE TIMED OVERRIDE SWITCH TORK #SSA200R–24
TC	DIGITAL TIME CLOCK TORK DLC SERIES #DLC400BP
VD	WALL MTD INFRARED VACANCY SENSOR DIMMER SWITCH, LUTRON MAESTRO #MS–Z101–WH
G	SINGLE FIXTURE GENERATOR TRANSFER DEVICE, PHILLIPS BODINE #GTD
K10	SINGLE CIRCUIT GENERATOR TRANSFER DEVICE WITH DIMMING CONTROL AND OVERRIDE, PHILLIPS BODINE #GTD–20A

FIRE ALARM SYMBOL LIST

(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)

SYMBOL	DESCRIPTION
S	CEILING MOUNTED ADDRESSABLE SMOKE DETECTOR
S$_{EL}$	ELEVATOR RECALL ADDRESSABLE SMOKE DETECTOR
S$_{CO}$ S$_{CO}$	LINE VOLTAGE (RESIDENTIAL TYPE) COMBINATION SMOKE/CARBON MONOXIDE DETECTOR, PHOTOELECTRIC TYPE WITH 10–YR LITHIUM ION BATTERY
S/X	CEILING MOUNTED ADDRESSABLE COMBINATION SMOKE/CARBON MONOXIDE DETECTOR WITH SOUNDERBASE
H	CEILING MOUNTED ADDRESSABLE THERMAL DETECTOR RATE–OF–RISE
H$_C$	CEILING MOUNTED CONVENTIONAL THERMAL DETECTOR RATE–OF–RISE TIED TO ADDRESSABLE MONITOR MODULE
X	CEILING MOUNTED ADDRESSABLE CARBON MONOXIDE DETECTOR
D	DUCT SMOKE DETECTOR
TS	SPRINKLER TAMPER SWITCH
WF	SPRINKLER WATER FLOW SWITCH
DGP	FIRE ALARM DATA GATHERING PANEL
FACP	FIRE ALARM CONTROL PANEL
FAP	FIRE ALARM REMOTE ANNUNCIATOR PANEL
F	COMBINATION FIRE ALARM SPEAKER/STROBE LIGHT UNIT – FLUSH WALL MOUNTED (WITH ADJUSTABLE CANDELA RATING)
F	COMBINATION FIRE ALARM SPEAKER/STROBE LIGHT UNIT – CEILING MOUNTED (WITH ADJUSTABLE CANDELA RATING)
F	FIRE ALARM STROBE LIGHT UNIT – FLUSH WALL MOUNTED (WITH ADJUSTABLE CANDELA RATING)
F	FIRE ALARM HORN UNIT – FLUSH WALL MOUNTED (LOW AM FREQUENCY 520HZ IN APTS)
F	FIRE ALARM PULL STATION
DH	DOOR HOLDER
AM	FIRE ALARM MONITOR MODULE
CM	FIRE ALARM CONTROL MODULE
FP	FIREFIGHTERS PHONE JACK
L	REMOTE LED INDICATOR FOR SMOKE OR DUCT DETECTOR

ELECTRICAL ABBREVIATIONS

(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)

A	AMPERE	KCM	THOUSAND CIRCULAR MILS
AC	ABOVE COUNTER	KV	KILOVOLT
AFF	ABOVE FINISHED FLOOR	KVA	KILOVOLT AMPERE
AIC	AMP INTERRUPTING CAPACITY	KW	KILOWATT
ATS	AUTOMATIC TRANSFER SWITCH	KWH	KILOWATT HOUR
AUTO	AUTOMATIC	LTG	LIGHTING
AWG	AMERICAN WIRE GAUGE	MAX	MAXIMUM
BLDG	BUILDING	MCB	MAIN CIRCUIT BREAKER
C	CONDUIT	MCC	MOTOR CONTROL CENTER
CB	CIRCUIT BREAKER	MIN	MINIMUM
CCTV	CLOSED CIRCUIT TELEVISION	MTD	MOUNTED
CKT	CIRCUIT	N	NEUTRAL
CO	CARBON MONOXIDE	NIC	NOT IN CONTRACT
COMM	COMMUNICATION	NTS	NOT TO SCALE
CT	CURRENT TRANSFORMER	OC	ON CENTER
CU	COPPER	P	POLE
DEG	DEGREE	# or PH	PHASE
DGP	DATA GATHERING PANEL	PNL	PANEL
DISC	DISCONNECT	PWR	POWER
DN	DOWN	R	RELOCATED
DWG	DRAWING	RECEPT	RECEPTACLE
E/EX	EXISTING TO REMAIN	TEL	TELEPHONE
EC	ELECTRICAL CONTRACTOR	TOS	TOP OF SHAFT
EM	EMERGENCY	TV	TELEVISION
ER	EXISTING TO BE REMOVED	TYP	TYPICAL
FA	FIRE ALARM	TX/T	TRANSFORMER
FACP	FIRE ALARM CONTROL PANEL	UON	UNLESS OTHERWISE NOTED
FL	FLOOR	V	VOLT OR VOLTAGE
FT	FEET OR FOOT	VA	VOLT AMPERE
GRD	GROUND	VIF	VERIFY IN FIELD
GFI	GROUND FAULT INTERRUPTER	W	WATT
HID	HIGH INTENSITY DISCHARGE	WP	WEATHERPROOF
HP	HORSE POWER	WT	WATERTIGHT
HZ	HERTZ	XP	EXPLOSION PROOF
JB	JUNCTION BOX		

ELECTRICAL GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH REQUIREMENTS OF THE NATIONAL ELECTRIC CODE, BUILDING DEPARTMENT, BUILDING MANAGEMENT, ALL AUTHORITIES HAVING JURISDICTION, AND APPLICABLE NATIONAL, STATE, AND LOCAL CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK SHALL BE INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS. CONTRACTOR IS TO INFORM THE ENGINEER OF ANY EXISTING WORK OR MATERIALS WHICH VIOLATE ANY OF THE ABOVE LAWS AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION OF LAWS AND REGULATIONS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE BY THIS CONTRACTOR AND AT NO EXPENSE TO THE OWNER.
2. PRIOR TO SUBMISSION OF BID, THIS CONTRACTOR SHALL VISIT THE JOB SITE TO ASCERTAIN THE ACTUAL FIELD CONDITIONS AS THEY RELATED TO THE WORK AS INDICATED ON THE DRAWINGS AND DESCRIBED HEREIN. DISCREPANCIES, IF ANY, SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO SUBMISSION OF BID, AND, IF NOT RESOLVED TO SATISFACTION, SHALL BE SUBMITTED AS A WRITTEN QUALIFICATION OF THE BID. SUBMISSION OF A BID SHALL BE EVIDENCE THAT SITE VERIFICATION HAS BEEN PERFORMED AS DESCRIBED ABOVE.
3. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF WORK AND APPROXIMATE LOCATION OF EQUIPMENT. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS AND COORDINATE FINAL LOCATIONS OF SWITCHES, LIGHT FIXTURES, RECEPTACLES, ETC. WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS. IF A CONFLICT OCCURS IN THE SPECIFICATIONS AND/OR ON THE DRAWINGS, THE MORE STRINGENT SITUATION SHALL APPLY.
4. PRIOR TO SUBMISSION OF BID, THIS CONTRACTOR SHALL REVIEW ALL DRAWINGS OF THE ENTIRE PROJECT INCLUDING GENERAL CONSTRUCTIONS, DEMOLITION, ARCHITECTURAL, MECHANICAL, ELECTRICAL, TELECOM/AV/SECURITY, PLUMBING, AND FIRE PROTECTION AND SHALL INCLUDE ANY WORK REQUIRED IN THE BID WHICH IS INDICATED OR IMPLIED TO BE PERFORMED BY THIS TRADE IN OTHER SECTIONS OF THE WORK.
5. ANY EQUIPMENT, PARTS, MATERIALS, ACCESSORIES, OR LABOR THAT IS NECESSARY FOR PROPER PERFORMANCE OF THE ELECTRICAL WORK, ALTHOUGH NOT SPECIFICALLY MENTIONED HEREIN, OR SHOWN ON THE DRAWINGS, SHALL BE FURNISHED AND INSTALLED AS IF CALLED FOR IN DETAIL WITHOUT ADDITIONAL COST.
6. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF THIS WORK. FINAL ACCEPTANCE SHALL BE DEFINED AS THE TIME AT WHICH THE ELECTRICAL WORK IS TAKEN OVER AND ACCEPTED BY THE OWNER, AND IS UNDER CARE, CUSTODY, AND CONTROL OF THE OWNER. ENGAGE THE SERVICES OF VARIOUS MANUFACTURER'S SUPPLYING THE EQUIPMENT FOR THE PROPER STARTUP, OPERATION, AND SERVICING OF EQUIPMENT.
7. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND CONTRACTOR'S SERVICES NECESSARY FOR THE COMPLETE AND SAFE INSTALLATION OF ALL ELECTRICAL WORK. THE SCOPE OF WORK SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
   - ELECTRICAL REQUIREMENTS SHALL BE IN CONFORMANCE WITH ENGINEERING BID DOCUMENTS AS WELL AS DOCUMENTS (SPECIFICATIONS & DRAWINGS) PREPARED BY LOCAL UTILITY COMPANY AND REFERENCED DRAWINGS IN THE UTILITY COMPANY DOCUMENTS NOT INCLUDED SHALL BE PART OF THIS CONTRACT.
   - CONTRACTOR SHALL COORDINATE AND ARRANGE TO RECEIVE AND/OR PICK UP SPECIFIC EQUIPMENT OUTLINED PRE–PURCHASE ITEMS.
   - REMOVAL AND RELOCATION OF EQUIPMENT AS REQUIRED WHEN INTERFERING WITH NEW WORK.
   - INSTALLATION OF NEW RACEWAY AND CONDUCTORS.
   - CUTTING, CHANNELING, CHASING, AND ROUGH PATCHING REQUIRED TO ACCOMMODATE THE ELECTRICAL INSTALLATION.
   - ADDITION OR MODIFICATION OF EXISTING ELECTRICAL DISTRIBUTION EQUIPMENT.
   - INSTALLATION OF CONDUIT, JUNCTION BOXES, PULL BOXES, ETC., REQUIRED FOR THE AFOREMENTIONED EQUIPMENT.
   - MAINTENANCE AND PROPER OPERATION OF EXISTING BASE BUILDING SYSTEMS WITHIN THE CONTRACT AREA IN ACCORDANCE WITH THE REQUIREMENTS OF BUILDING MANAGEMENT.
   - TEMPORARY LIGHT AND POWER DURING CONSTRUCTION.
   - GROUNDING OF ALL EQUIPMENT AS REQUIRED BY CODE AND SPECIFIED.
8. THIS CONTRACTOR IS TO OBTAIN A COPY OF THE BUILDING RULES AND REGULATIONS PRIOR TO BID SUBMISSION TO DETERMINE REQUIREMENTS AND THE EXTENT OF PREMIUM TIME WORK REQUIRED BY BUILDING MANAGEMENT. FOR THE PURPOSE OF BID, ASSUME ANY NOISY WORK (E.G., CHOPPING, CORE DRILLING, ETC.) AND BASE BUILDING SYSTEM INTERRUPTIONS ARE TO BE PERFORMED OUTSIDE NORMAL BUSINESS HOURS.
9. "THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION" AIA DOCUMENT A201 LATEST EDITION, OR AS REQUIRED BY THE ARCHITECTS DOCUMENTS AND/OR THE STRUCTURAL ENGINEERS DOCUMENTS, AS APPLICABLE, ARE PART OF THIS DOCUMENT.
10. SUBMIT SHOP DRAWINGS CERTIFIED BY ALL TRADES THAT COORDINATION HAS BEEN ESTABLISHED. SUBMIT ALL CERTIFIED EQUIPMENT CUTS WITH CONSTRUCTIONS WIRING DIAGRAMS. PROVIDE DIGITAL COPIES OF ALL DRAWINGS. SPECIFIC JOB REQUIREMENTS MAY BE MORE STRINGENT AND CONTRACTOR IS RESPONSIBLE TO OBTAIN REQUIREMENTS FROM CONSTRUCTION MANAGER, GENERATOR CONTRACTOR, OR ARCHITECT.
11. SUBMIT (4) LOOSE–LEAF BOUND OPERATING AND MAINTENANCE MANUALS WITH INDEX AND INDEX TABS TO INCLUDE ALL SHOP DRAWINGS AND OPERATING AND MAINTENANCE INSTRUCTIONS ON ALL SYSTEMS.
12. CONTRACTOR SHALL REVISE SHIP DRAWINGS TO CONFORM TO RECORD DRAWINGS AND SUBMIT AN AS–BUILT CONDITION (DEVICES, EQUIPMENT, CIRCUITRY, ETC.) DRAWINGS UPON COMPLETION OF THE PROJECT. FINAL SUBMISSION OF REPRODUCIBLE AS–BUILT DRAWINGS ARE TO BE SIGNED AND CERTIFIED BY THE INSTALLING CONTRACTOR THAT THIS IS AS–BUILT CONDITION OF THE WORK.
13. NO SUBSTITUTE MATERIAL OR MANUFACTURER OF EQUIPMENT SHALL BE PERMITTED WITHOUT A FORMAL WRITTEN SUBMITTAL TO THE ENGINEER WHICH INCLUDES ALL DIMENSION, PERFORMANCE, AND MATERIAL SPECIFICATIONS. ANY CHANGES IN LAYOUT, ELECTRICAL CHARACTERISTICS, STRUCTURAL REQUIREMENTS, OR DESIGN DUE TO THE USE OF A SUBSTITUTION SHALL BE SUBMITTED TO THE ENGINEER AS PART OF THIS PROPOSAL. THE CONTRACTOR TAKES FULL RESPONSIBILITY FOR THE SUBSTITUTION AND ALL CHANGES RESULTING FROM SUBSTITUTION.
14. THIS CONTRACTOR SHALL SUBMIT FOR APPROVAL, A PLAN INDICATING THE SIZE AND LOCATION OF ALL ACCESS DOORS REQUIRED FOR OPERATION AND MAINTENANCE OF ALL CONCEALED EQUIPMENT, DEVICES, JUNCTION BOXES, PULL BOXES, ETC. THIS CONTRACTOR SHALL ARRANGE FOR FURNISHING AND INSTALLATION OF ALL ACCESS DOORS IN FINISHED CONSTRUCTION AND INCLUDE COSTS IN THE BID.
15. REMOVAL, TEMPORARY CONNECTIONS, AND RELOCATION OF CERTAIN EXISTING WORK WILL BE NECESSARY FOR THE INSTALLATION OF THE NEW SYSTEMS. ALL EXISTING CONDITIONS ARE NOT COMPLETELY DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE AND MAKE ALL NECESSARY CHANGES REQUIRED BASED ON EXISTING CONDITIONS FOR PROPER INSTALLATION OF NEW WORK.
16. PLAN INSTALLATION OF NEW WORK AND CONNECTIONS TO EXISTING WORK TO INSURE MINIMUM INTERFERENCE WITH REGULAR OPERATION OF EXISTING FACILITIES. ALL SYSTEM SHUTDOWNS AFFECTING OTHER AREAS SHALL BE ORGANIZED WITH BUILDING MANAGEMENT. PROVIDE TEMPORARY FEEDERS, CIRCUITRY, ETC., AS REQUIRED TO MINIMIZE DOWNTIME.
17. DISCONNECTS SHALL BE 'QUICK–BREAK' HEAVY DUTY TYPE IN NEMA 1 ENCLOSURE FUSED OR UN–FUSED AS INDICATED ON THE DRAWINGS. FUSES FOR SWITCHES SHALL BE CURRENT LIMITING TYPE WITH AN INTERRUPTING CAPACITY OF 200,000 RMS AMPERES AND OF THE CONTINUOUS CURRENT RATING AS SHOWN ON THE DRAWINGS.
18. CIRCUIT BREAKERS SHALL BE 'THERMAL MAGNETIC' TYPE, QUICK–MAKE, QUICK–BREAK WITH NON–WELDING CONTACTS COMPENSATED FOR AMBIENT TEMPERATURES AND SHALL HAVE A MINIMUM SHORT CIRCUIT RATING OF 10,000 AMPERES SYMMETRICAL FOR 120/208V PANELS AND 14,000 AMPERES SYMMETRICAL FOR 277/480V PANELS OR HIGHER WHERE NOTES.
19. ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN INSULATED. ALL CONDUCTORS SHALL HAVE 600 VOLT RATED INSULATION, UNLESS OTHERWISE NOTED. UNLESS SPECIFIED ALL WIRE #10 AWG AND SMALLER SHALL BE SOLID CONDUCTORS AND #8 AWG AND LARGER SHALL BE STRANDED.
20. BRANCH CIRCUIT WIRE SIZE: THE MINIMUM WIRE SIZE FOR BRANCH CIRCUITS SHALL BE NO. 12 AWG EXCEPT 120V CIRCUITS OVER 80 FEET IN LENGTH SHALL BE 10 AWG.
21. PULL BOXES, JUNCTION BOXES, AND OUTLET BOXES SHALL BE MANUFACTURED FROM GALVANIZED INDUSTRY STANDARD SHALL STEEL.
22. PROVIDE PULL BOXES AND JUNCTION BOXES IN LONG STRAIGHT RUNS OF RACEWAY TO ASSURE THAT CABLES ARE NOT DAMAGED WHEN THEY ARE PULLED, TO FULFILL REQUIREMENTS AS TO THE NUMBER OF BENDS PERMITTED IN RACEWAY BETWEEN CABLE ACCESS POINTS, THE ACCESSIBILITY OF CABLE JOINTS AND SPLICES, AND THE APPLICATION OF CABLE SUPPORTS.
23. PULL BOXES AND JUNCTION BOXES SHALL BE SIZED SO THAT THE MINIMUM BENDING RADIUS CRITERIA SPECIFIED FOR THE WIRES AND CABLE ARE MAINTAINED.
24. ALL EQUIPMENT, DEVICE BOXES, JUNCTION BOXES, PULL BOXES, AND OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO THE BOX. IF NECESSARY AND APPROVED BY OWNER/ENGINEER, PROVIDE ACCESS DOOR OR COVER PLATES IN AREAS WHERE UNOBSTRUCTED ACCESS IS NOT POSSIBLE.
25. OPENINGS AROUND ELECTRICAL PENETRATION THROUGH FIRE RESISTANCE RATED WALL, PARTITIONS, FLOOR OR CEILING SHALL BE FIRE STOPPED USING APPROVED METHODS. SEALANT SHALL BE RATED FOR THREE (3) HOURS.
26. HEIGHTS OF OUTLETS FROM FINISHED FLOOR TO CENTERLINE OF OUTLET:
   - RECEPTACLES AND TELEPHONES 1' 6"
   - GENERALLY 3' 6"
   - OVER WORK BENCHES 4' 0"
   - WALL SWITCHES 4' 0"
   - WALL FIXTURES 6' 0"
   - MOTOR CONTROLLERS 5' 0"
   - FIRE ALARM PULL STATIONS 4' 0"
   - FIRE ALARM HORN/SPEAKER/STROBES 6' 8" AFF OR 6" BELOW CEILING (WHICHEVER IS GREATER)

   EXCEPTIONS: AT JUNCTION BOXES OF DIFFERENT WALL FINISH MATERIALS, ON MOLDING OR BREAK IN WALL SURFACE, IN VIOLATION OF CODE REQUIREMENTS, AS NOTED OR DIRECTED.
28. PROVIDE WEIGHTS, LOCATIONS, AND DIMENSIONS OF EQUIPMENT IN EXCESS OF 200 LBS. SUPPORTED ON FLOOR OR HUNG FROM BUILDING STRUCTURE TO BASE BUILDING STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
29. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH HVAC, PLUMBING, FIRE PROTECTION, TELECOM/AV/SECURITY, AND OTHER TRADES FOR EXACT LOCATION OF ALL MOTOR AND CONTROL DEVICES, BACK BOXES, AND CONDUIT REQUIREMENTS. LOCATIONS AS SHOWN ON ELECTRICAL DRAWINGS ARE APPROXIMATE.
30. PROVIDE PRICING FOR EXTENDED WARRANTIES (2–5 YEARS) FOR THE SYSTEMS NOTED ON THE ELECTRICAL DRAWINGS AND SPECIFICATIONS. PROVIDE PRICING FOR WARRANTIES BEYOND 5–YEARS WHERE POSSIBLE.
31. EXTERIOR RECEPTACLES SHALL BE PROVIDED WITH WEATHERPROOF "WHILE IN USE" COVERS.
32. ALL FIRE ALARM HORN/STROBES, SPEAKERS AND STROBE ONLY DEVICES SHALL BE "WHITE."

ELECTRICAL LIGHTING NOTES

A. FOR EXACT ELEVATION, LOCATION, QUANTITY AND SPECIFICATIONS OF LIGHTING FIXTURES AND SWITCHES REFER TO ARCHITECTURAL AND INTERIOR DESIGNER'S DRAWINGS AND COORDINATE WITH ARCHITECT IN THE FIELD.

B. LIGHTING FIXTURES SHALL BE CIRCUITED IN ACCORDANCE WITH CIRCUIT NUMBER INDICATED ADJACENT TO EACH FIXTURE. CIRCUITRY MAY BE SHOWN IN CERTAIN INSTANCES.

C. ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER. PROVIDE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.

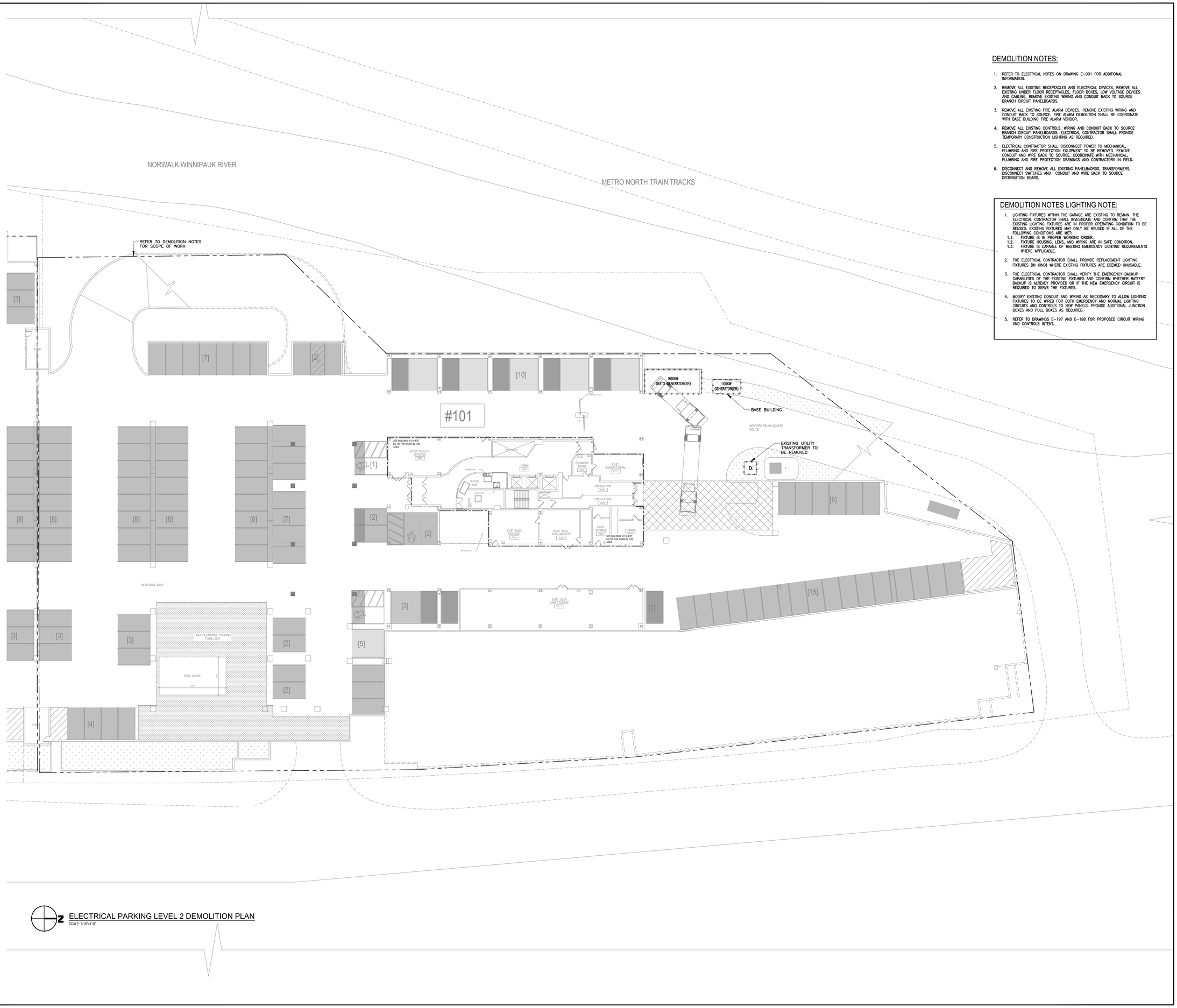
D. PRIOR TO ORDERING LIGHTING FIXTURES, COORDINATE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. IF DISCREPANCIES EXIST BETWEEN ARCHITECTURAL AND ENGINEERING INFORMATION OBTAIN CLARIFICATION PRIOR TO PROCEEDING.

E. CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. THE ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD TO BALANCE THE CIRCUITS EVENLY ON ALL PHASES.

F. MULTIPLE SWITCHES SHOWN IN SAME LOCATION SHALL BE GANGED TOGETHER WITH A COMMON FACEPLATE.

G. ALL LIGHTING FIXTURES UTILIZING ELECTRONIC BALLASTS SHALL BE PROVIDED WITH A DEDICATED NEUTRAL OR AN OVERSIZED NEUTRAL WHEN SHARED.

H. ALL LIGHTING FIXTURES CONTROLLED BY DIMMER SWITCHES SHALL BE PROVIDED WITH DEDICATED N



DEMOLITION NOTES:

1. REFER TO ELECTRICAL NOTES ON DRAWING E-001 FOR ADDITIONAL INFORMATION.
2. REMOVE ALL EXISTING RECEPTACLES AND ELECTRICAL DEVICES, REMOVE ALL EXISTING UNDER FLOOR RECEPTACLES, FLOOR BOXES, LOW VOLTAGE DEVICES AND CABLING, REMOVE EXISTING WIRING AND CONDUIT BACK TO SOURCE BRANCH CIRCUIT PANELBOARDS.
3. REMOVE ALL EXISTING FIRE ALARM DEVICES. REMOVE EXISTING WIRING AND CONDUIT BACK TO SOURCE. FIRE ALARM DEMOLITION SHALL BE COORDINATE WITH BASE BUILDING FIRE ALARM VENDOR.
4. REMOVE ALL EXISTING CONTROLS, WIRING AND CONDUIT BACK TO SOURCE BRANCH CIRCUIT PANELBOARDS. ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY CONSTRUCTION LIGHTING AS REQUIRED.
5. ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER TO MECHANICAL, PLUMBING AND FIRE PROTECTION EQUIPMENT TO BE REMOVED. REMOVE CONDUIT AND WIRE BACK TO SOURCE. COORDINATE WITH MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS AND CONTRACTORS IN FIELD.
6. DISCONNECT AND REMOVE ALL EXISTING PANELBAORDS, TRANSFORMERS, DISCONNECT SWITCHES AND CONDUIT AND WIRE BACK TO SOURCE DISTRIBUTION BOARD.

DEMOLITION NOTES LIGHTING NOTE:

1. LIGHTING FIXTURES WITHIN THE GARAGE ARE EXISTING TO REMAIN. THE ELECTRICAL CONTRACTOR SHALL INVESTIGATE AND CONFIRM THAT THE EXISTING LIGHTING FIXTURES ARE IN PROPER OPERATING CONDITION TO BE REUSED. EXISTING FIXTURES MAY ONLY BE REUSED IF ALL OF THE FOLLOWING CONDITIONS ARE MET:
   - 1.1. FIXTURE IS IN PROPER WORKING ORDER.
   - 1.2. FIXTURE HOUSING, LENS, AND WIRING ARE IN SAFE CONDITION.
   - 1.3. FIXTURE IS CAPABLE OF MEETING EMERGENCY LIGHTING REQUIREMENTS WHERE APPLICABLE.
2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE REPLACEMENT LIGHTING FIXTURES (IN KIND) WHERE EXISTING FIXTURES ARE DEEMED UNUSABLE.
3. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE EMERGENCY BACKUP CAPABILITIES OF THE EXISTING FIXTURES AND CONFIRM WHETHER BATTERY BACKUP IS ALREADY PROVIDED OR IF THE NEW EMERGENCY CIRCUIT IS REQUIRED TO SERVE THE FIXTURES.
4. MODIFY EXISTING CONDUIT AND WIRING AS NECESSARY TO ALLOW LIGHTING FIXTURES TO BE WIRED FOR BOTH EMERGENCY AND NORMAL LIGHTING CIRCUITS AND CONTROLS TO NEW PANELS. PROVIDE ADDITIONAL JUNCTION BOXES AND PULL BOXES AS REQUIRED.
5. REFER TO DRAWINGS E-197 AND E-198 FOR PROPOSED CIRCUIT WIRING AND CONTROLS INTENT.

ELECTRICAL PARKING LEVEL 2 DEMOLITION PLAN

SCALE: 1/16"=1'-0"

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06/26/2026

PROJECT NAME

MERRITT 7
BUILDING 101

101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595

DRAWN BY: - PROJ. MANAGER: PC

DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE

ELECTRICAL PARKING LEVEL 2
DEMOLITION PLAN

DRAWING NO.

ED-097

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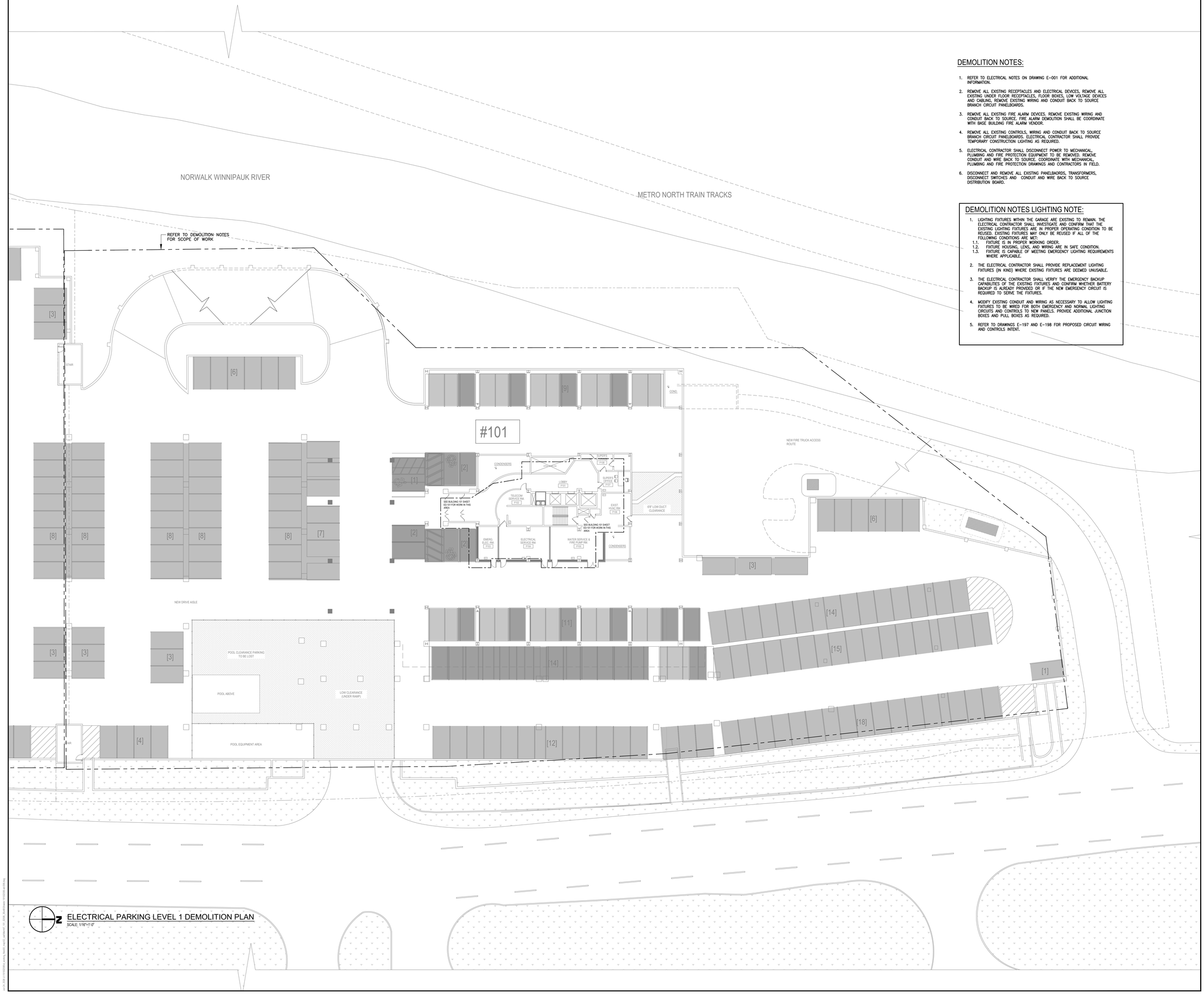

ELECTRICAL PARKING LEVEL 1 DEMOLITION PLAN

SCALE: 1/16"=1'-0"

DEMOLITION NOTES:

1. REFER TO ELECTRICAL NOTES ON DRAWING E-001 FOR ADDITIONAL INFORMATION.
2. REMOVE ALL EXISTING RECEPTACLES AND ELECTRICAL DEVICES, REMOVE ALL EXISTING UNDER FLOOR RECEPTACLES, FLOOR BOXES, LOW VOLTAGE DEVICES AND CABLING, REMOVE EXISTING WIRING AND CONDUIT BACK TO SOURCE BRANCH CIRCUIT PANELBOARDS.
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PROJECT NAME

MERRITT 7
BUILDING 101

101 MERRITT 7
NORWALK, CT 06851

JOB NO.:	191502595		
DRAWN BY:	-	PROJ. MANAGER:	PC
DATE:	09/03/2025	SCALE:	AS NOTED

DRAWING TITLE

ELECTRICAL PARKING LEVEL 1
DEMOLITION PLAN

DRAWING NO.

ED-098

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G:\A 2025\191502595\Drawing Sheets\Current\ - ED_ELECTRICAL\ED-098 ELECTRICAL PARKING LEVEL 1 DEMOLITION PLAN.dwg

DEMOLITION NOTES:

1. REFER TO ELECTRICAL NOTES ON DRAWING E-001 FOR ADDITIONAL INFORMATION.
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NORWALK WINNIPAUK RIVER

METRO NORTH TRAIN TRACKS

REFER TO DEMOLITION NOTES FOR SCOPE OF WORK

RESIDENT PARKING [12]

SEE BUILDING 101 SHEET ED-102 FOR WORK IN THIS AREA

COMMUNITY GREEN
SYNTHETIC TURF

SYNTHETIC TURF

CANOPY
16'x47'

POOL
21'x37'

DRINKING FTN

HOSE BIB

OPEN TO BELOW

SIGN

NEW FIRE TRUCK ACCESS ROUTE

PROPOSED RETAINING WALL

PROPOSED TRANSFORMERS WITH 3' CLEARANCE ON BACKSIDES AND 10' MIN. IN FRONT

TRANSFORMERS

GENERATOR LOCATION

RESIDENT EV PARKING [11]

BIKE RACK LOCATION [20 SPACES]

RESIDENT PARKING [23]

RESIDENT PARKING [7]

SEE BUILDING 101 SHEET ED-102 FOR WORK IN THIS AREA

M A I N A V E N U E

ELECTRICAL PARKING PLAZA LEVEL DEMOLITION PLAN
SCALE: 1/32"=1'-0"

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BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL PARKING PLAZA LEVEL DEMOLITION PLAN

DRAWING NO.
ED-099

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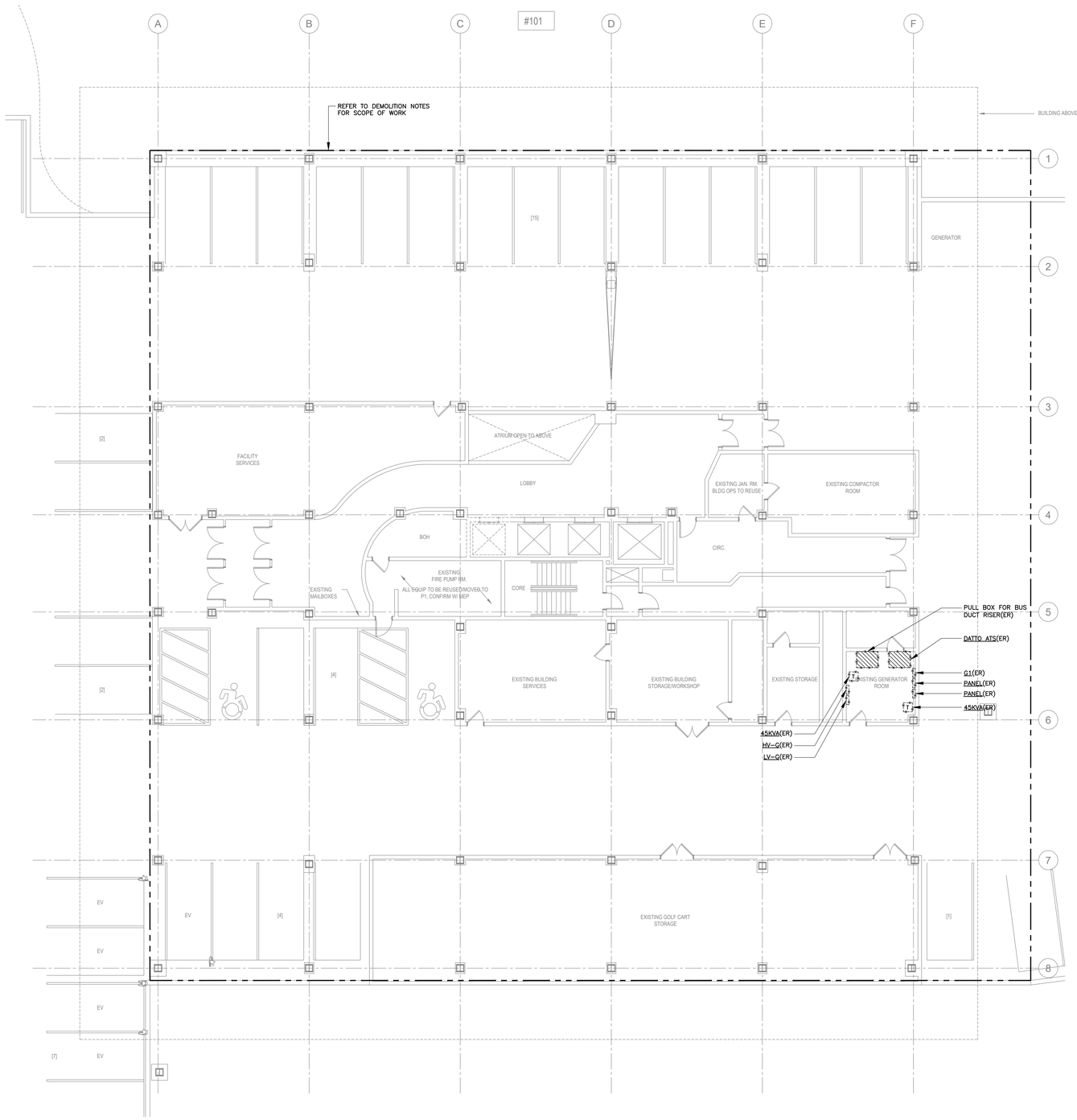

ELECTRICAL PARKING LEVEL 2 DEMOLITION PLAN

SCALE: 1/8"=1'-0"

DEMOLITION KEY NOTES:

1. REFER TO ELECTRICAL NOTES ON DRAWING E-001 FOR ADDITIONAL INFORMATION.
2. REMOVE ALL EXISTING RECEPTACLES AND ELECTRICAL DEVICES. REMOVE ALL EXISTING UNDER FLOOR RECEPTACLES, FLOOR BOXES, LOW VOLTAGE DEVICES AND CABLING. REMOVE EXISTING WIRING AND CONDUIT BACK TO SOURCE BRANCH CIRCUIT PANELBOARDS.
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PROJECT NAME

MERRITT 7
BUILDING 101

101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595

DRAWN BY: - PROJ. MANAGER: PC

DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE

ELECTRICAL PARKING LEVEL 2
DEMOLITION PLAN

DRAWING NO.

ED-100

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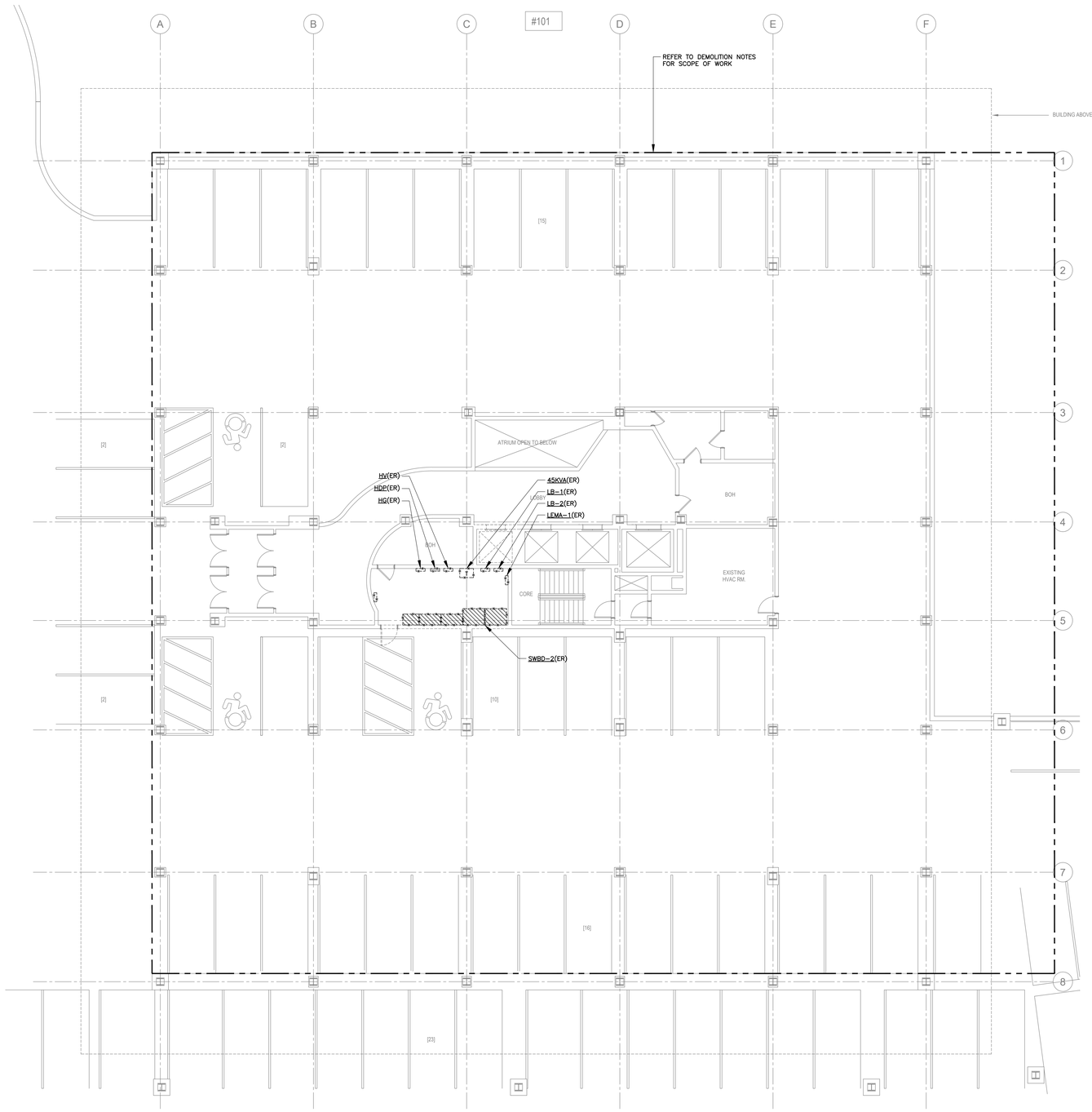

ELECTRICAL PARKING LEVEL 1 DEMOLITION PLAN

SCALE: 1/8"=1'-0"

DEMOLITION KEY NOTES:

1. REFER TO ELECTRICAL NOTES ON DRAWING E–001 FOR ADDITIONAL INFORMATION.
2. REMOVE ALL EXISTING RECEPTACLES AND ELECTRICAL DEVICES, REMOVE ALL EXISTING UNDER FLOOR RECEPTACLES, FLOOR BOXES, LOW VOLTAGE DEVICES AND CABLING, REMOVE EXISTING WIRING AND CONDUIT BACK TO SOURCE BRANCH CIRCUIT PANELBOARDS.
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PROJECT NAME

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BUILDING 101

101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595

DRAWN BY: - PROJ. MANAGER: PC

DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE

ELECTRICAL PARKING LEVEL 1 DEMOLITION PLAN

DRAWING NO.

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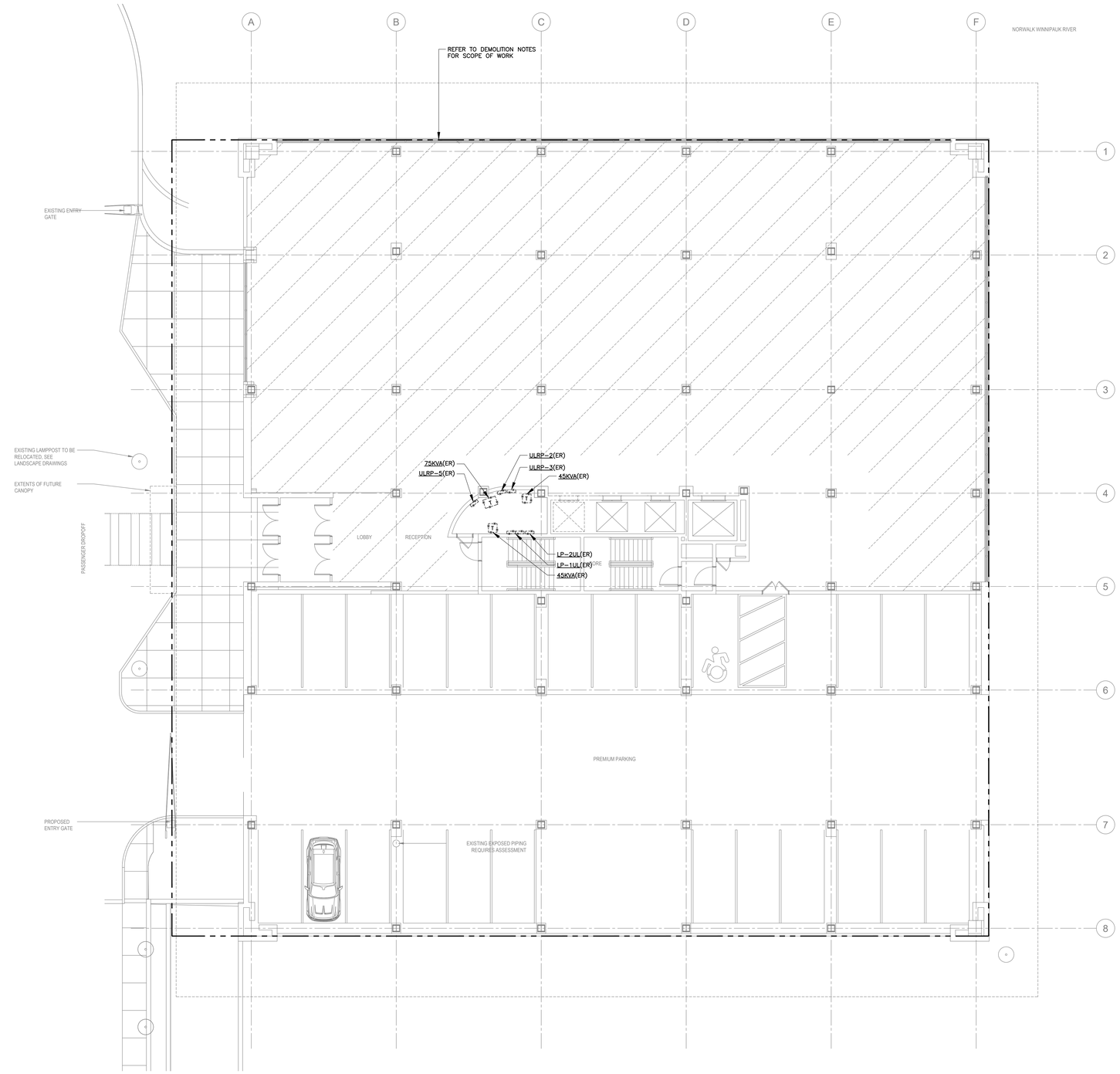

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ELECTRICAL FIRST FLOOR DEMOLITION PLAN

SCALE: 1/8"=1'-0"

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BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL FIRST FLOOR DEMOLITION PLAN

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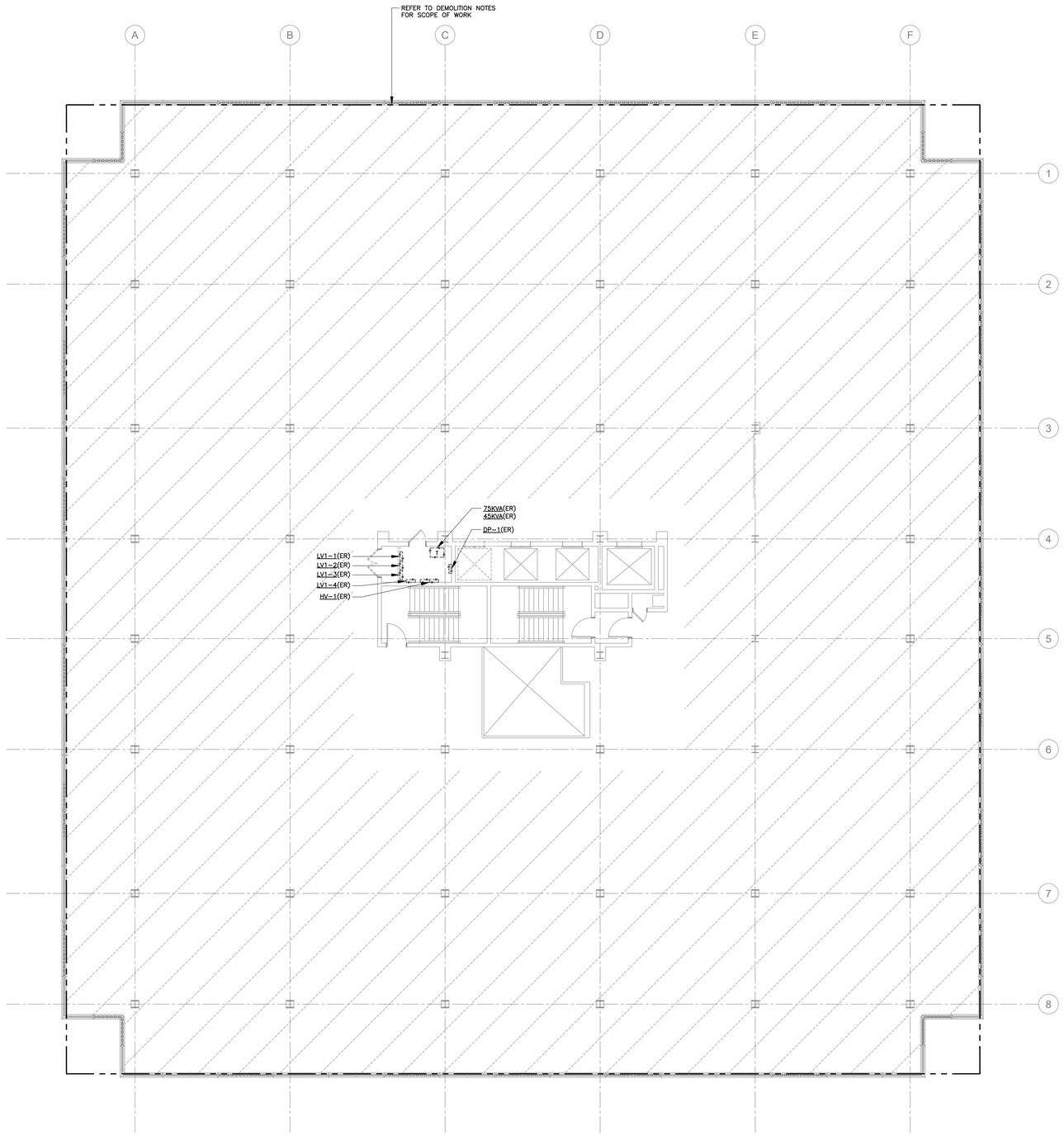

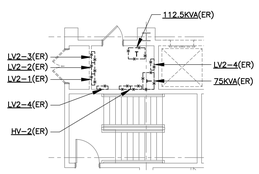

2 ELECTRICAL THIRD FLOOR PART PLAN
SCALE: 1/8" = 1'-0"

DEMOLITION KEY NOTES:

1. REFER TO ELECTRICAL NOTES ON DRAWING E-001 FOR ADDITIONAL INFORMATION.
2. REMOVE ALL EXISTING RECEPTACLES AND ELECTRICAL DEVICES, REMOVE ALL EXISTING UNDER FLOOR RECEPTACLES, FLOOR BOXES, LOW VOLTAGE DEVICES AND CABLING, REMOVE EXISTING WIRING AND CONDUIT BACK TO SOURCE BRANCH CIRCUIT PANELBOARDS.
3. REMOVE ALL EXISTING FIRE ALARM DEVICES. REMOVE EXISTING WIRING AND CONDUIT BACK TO SOURCE. FIRE ALARM DEMOLITION SHALL BE COORDINATE WITH BASE BUILDING FIRE ALARM VENDOR.
4. REMOVE ALL EXISTING LIGHTING FIXTURES AND CONTROLS. REMOVE EXISTING WIRING AND CONDUIT BACK TO SOURCE BRANCH CIRCUIT PANELBOARDS. ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY CONSTRUCTION LIGHTING AS REQUIRED.
5. ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER TO MECHANICAL, PLUMBING AND FIRE PROTECTION EQUIPMENT TO BE REMOVED. REMOVE CONDUIT AND WIRE BACK TO SOURCE. COORDINATE WITH MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS AND CONTRACTORS IN FIELD.
6. DISCONNECT AND REMOVE ALL EXISTING PANELBAORDS, TRANSFORMERS, DISCONNECT SWITCHES AND CONDUIT AND WIRE BACK TO SOURCE DISTRIBUTION BOARD.

Z ELECTRICAL SECOND - THIRD FLOOR DEMOLITION PLAN
SCALE: 1/8"=1'-0"

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PHASE
PERMIT SET

NOT FOR CONSTRUCTION
06/26/2026

PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL SECOND - THIRD FLOOR DEMOLITION PLAN

DRAWING NO.
ED-103

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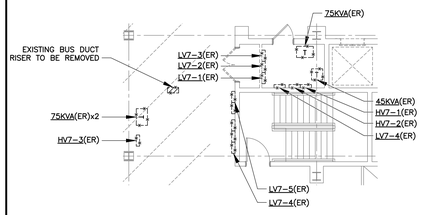
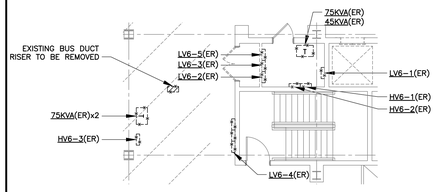
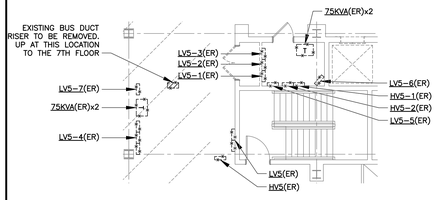


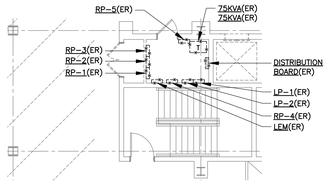
5 ELECTRICAL EIGHTH FLOOR PART PLAN
SCALE: 1/8" = 1'-0"



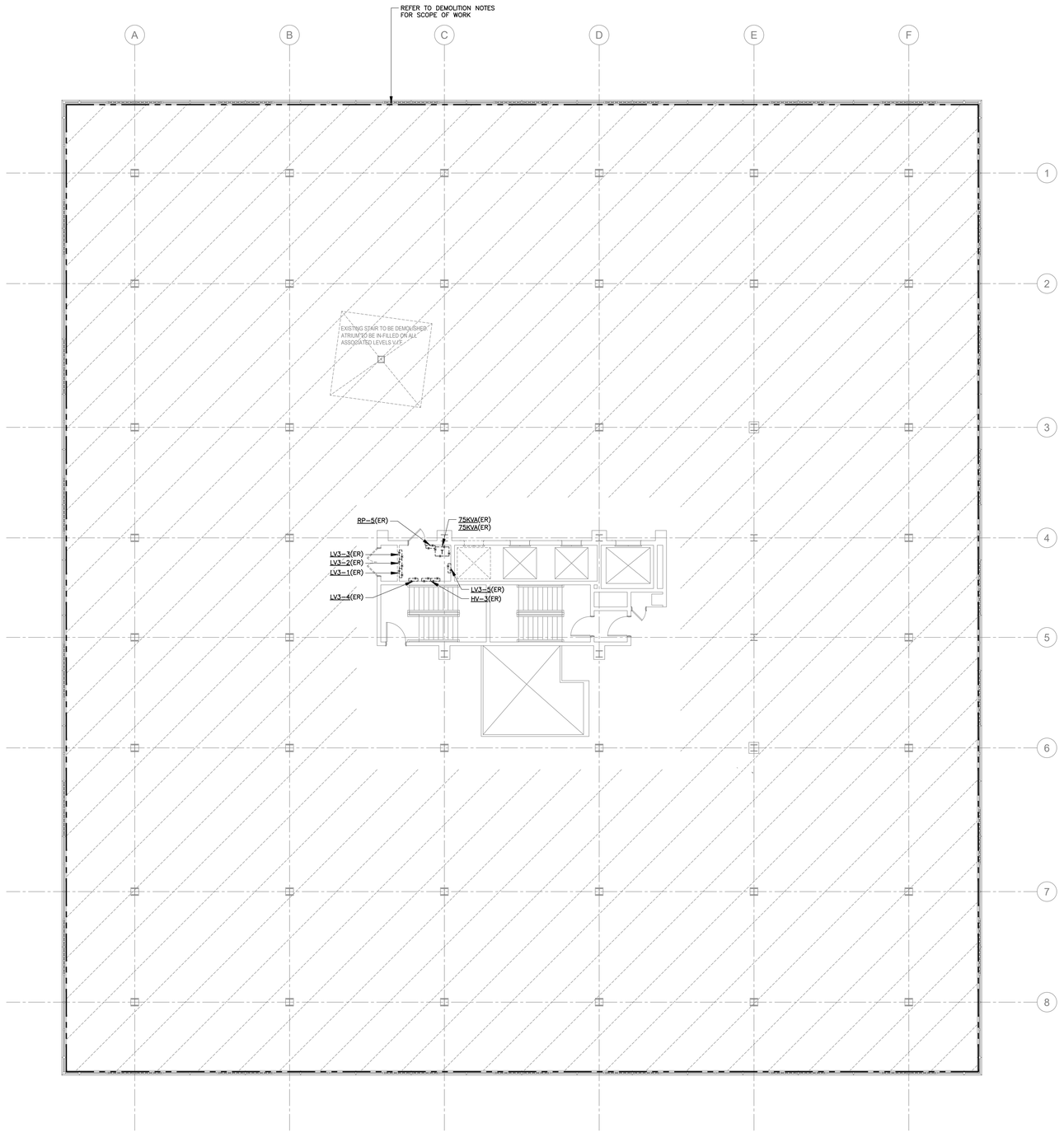
4 ELECTRICAL SEVENTH FLOOR PART PLAN
SCALE: 1/8" = 1'-0"



3 ELECTRICAL SIXTH FLOOR PART PLAN
SCALE: 1/8" = 1'-0"



2 ELECTRICAL FIFTH FLOOR PART PLAN
SCALE: 1/8" = 1'-0"



Z ELECTRICAL FOURTH - EIGHT FLOOR DEMOLITION PLAN
SCALE: 1/8"=1'-0"

DEMOLITION KEY NOTES:

1. REFER TO ELECTRICAL NOTES ON DRAWING E–001 FOR ADDITIONAL INFORMATION.
2. REMOVE ALL EXISTING RECEPTACLES AND ELECTRICAL DEVICES, REMOVE ALL EXISTING UNDER FLOOR RECEPTACLES, FLOOR BOXES, LOW VOLTAGE DEVICES AND CABLING, REMOVE EXISTING WIRING AND CONDUIT BACK TO SOURCE BRANCH CIRCUIT PANELBOARDS.
3. REMOVE ALL EXISTING FIRE ALARM DEVICES. REMOVE EXISTING WIRING AND CONDUIT BACK TO SOURCE. FIRE ALARM DEMOLITION SHALL BE COORDINATE WITH BASE BUILDING FIRE ALARM VENDOR.
4. REMOVE ALL EXISTING LIGHTING FIXTURES AND CONTROLS. REMOVE EXISTING WIRING AND CONDUIT BACK TO SOURCE BRANCH CIRCUIT PANELBOARDS. ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY CONSTRUCTION LIGHTING AS REQUIRED.
5. ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER TO MECHANICAL, PLUMBING AND FIRE PROTECTION EQUIPMENT TO BE REMOVED. REMOVE CONDUIT AND WIRE BACK TO SOURCE. COORDINATE WITH MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS AND CONTRACTORS IN FIELD.
6. DISCONNECT AND REMOVE ALL EXISTING PANELBOARDS, TRANSFORMERS, DISCONNECT SWITCHES AND CONDUIT AND WIRE BACK TO SOURCE DISTRIBUTION BOARD.

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06/26/2026

PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 19150295
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL FOURTH - EIGHT FLOOR DEMOLITION PLAN

DRAWING NO.
ED-104

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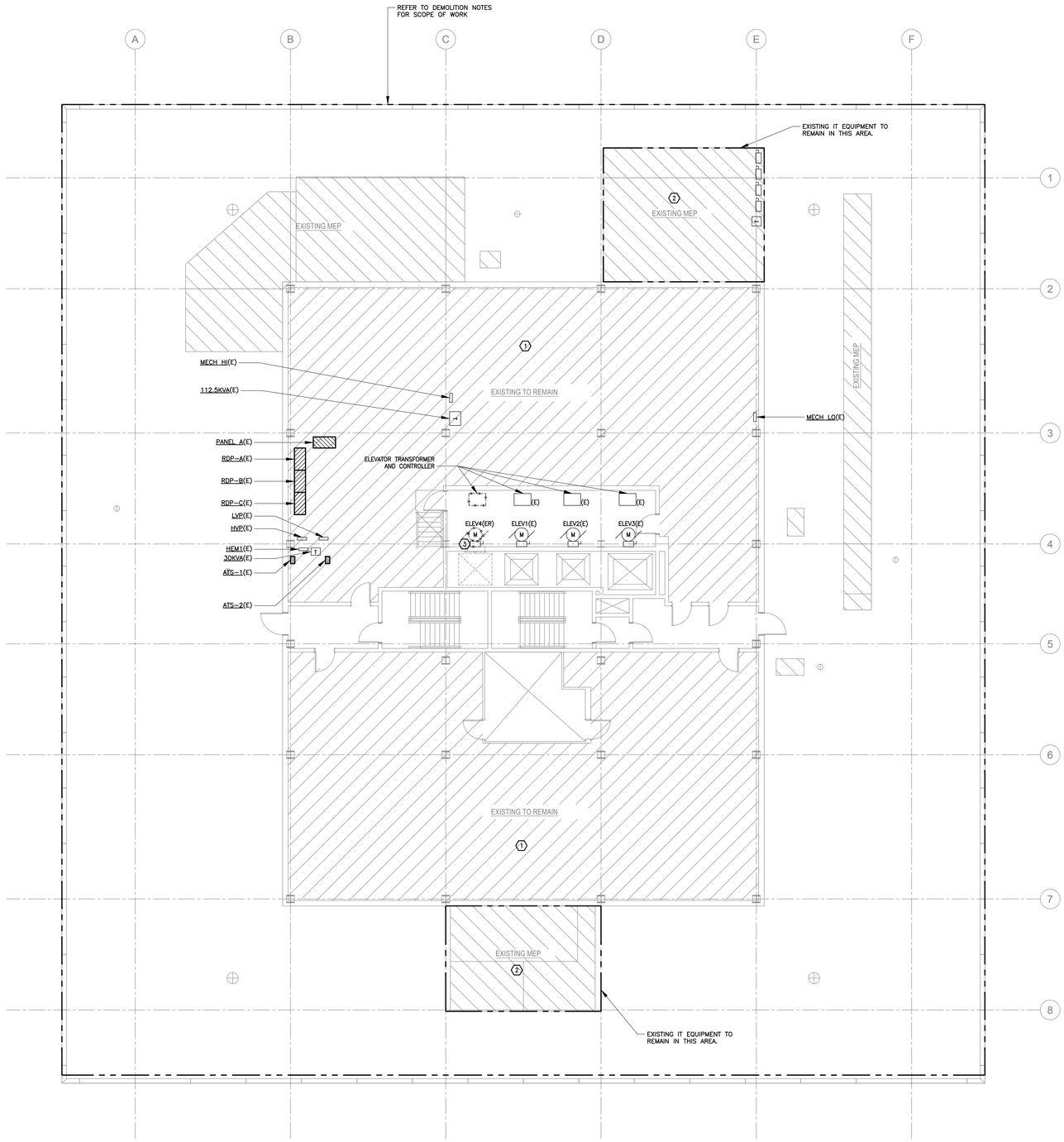

ELECTRICAL ROOF DEMOLITION PLAN

SCALE: 1/8"=1'-0"

DEMOLITION KEY NOTES:

1. REFER TO ELECTRICAL NOTES ON DRAWING E-001 FOR ADDITIONAL INFORMATION.
2. REMOVE ALL EXISTING FIRE ALARM DEVICES. REMOVE EXISTING WIRING AND CONDUIT BACK TO SOURCE. FIRE ALARM DEMOLITION SHALL BE COORDINATE WITH BASE BUILDING FIRE ALARM VENDOR.
3. ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER TO MECHANICAL, PLUMBING AND FIRE PROTECTION EQUIPMENT TO BE REMOVED. REMOVE CONDUIT AND WIRE BACK TO SOURCE. COORDINATE WITH MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS AND CONTRACTORS IN FIELD.
4. ALL EXISTING ELECTRICAL PANELBOARDS, ATS'S, TRANSFORMERS, DISCONNECTS AND ANY OTHER ELECTRICAL DEVICES AND EQUIPMENT ARE ALL EXISTING TO BE ABANDONED U.O.N.

DEMOLITION KEY NOTES:

(1) EXISTING LIGHTING FIXTURES TO REMAIN IN PENTHOUSE MECHANICAL ROOMS. ELECTRICAL CONTRACTOR SHALL REMOVE ALL EXISTING CONDUIT AND WIRE FROM LIGHTING FIXTURES AND RE-CIRCUIT EXISTING FIXTURES WITH NEW CIRCUITS. REFER TO NEW WORK DRAWINGS AND PANEL SCHEDULES FOR CIRCUITS TO BE USED.

(2) EXISTING TELECOM EQUIPMENT SHALL BE RECRUITED TO NEW ELECTRICAL DISTRIBUTION. COORDINATE WITH BUILDING MANAGEMENT AND TELECOM PROVIDER FOR SWITCHING OVER POWER AND ALL NECESSARY REQUIREMENTS FOR A FULLY FUNCTIONAL SYSTEM.

(3) EXISTING ELEVATOR MACHINE MOTOR TO BE DISCONNECTED AND REMOVED. COORDINATE ALL EQUIPMENT REMOVAL AND DEMOLITION WITH ELEVATOR VENDOR.

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PHASE
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06/26/2026

PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL ROOF DEMOLITION PLAN

DRAWING NO.
ED-105

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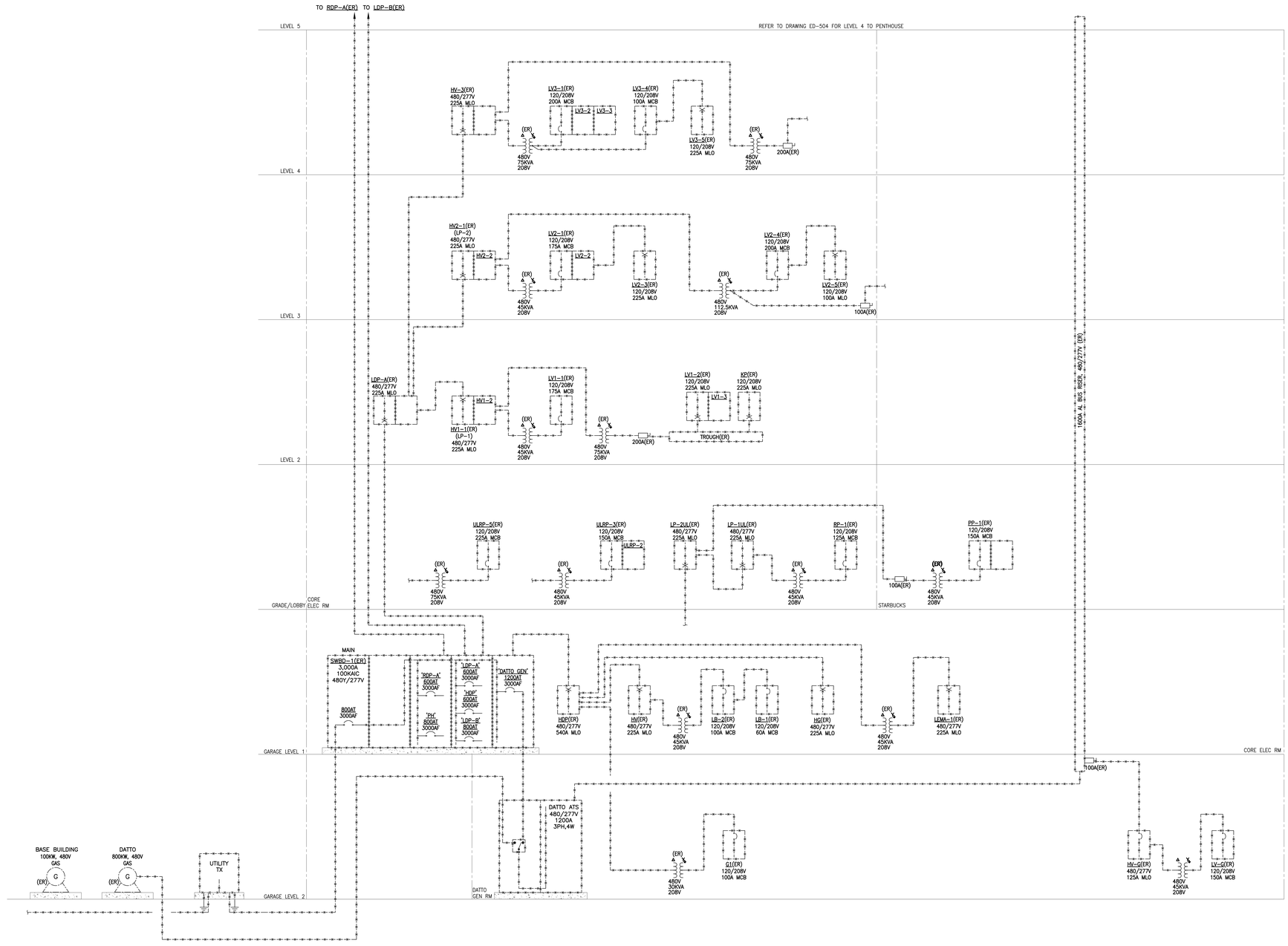

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PHASE
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06/26/2026

PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL DEMOLITION POWER RISER DIAGRAM

DRAWING NO.
ED-501A

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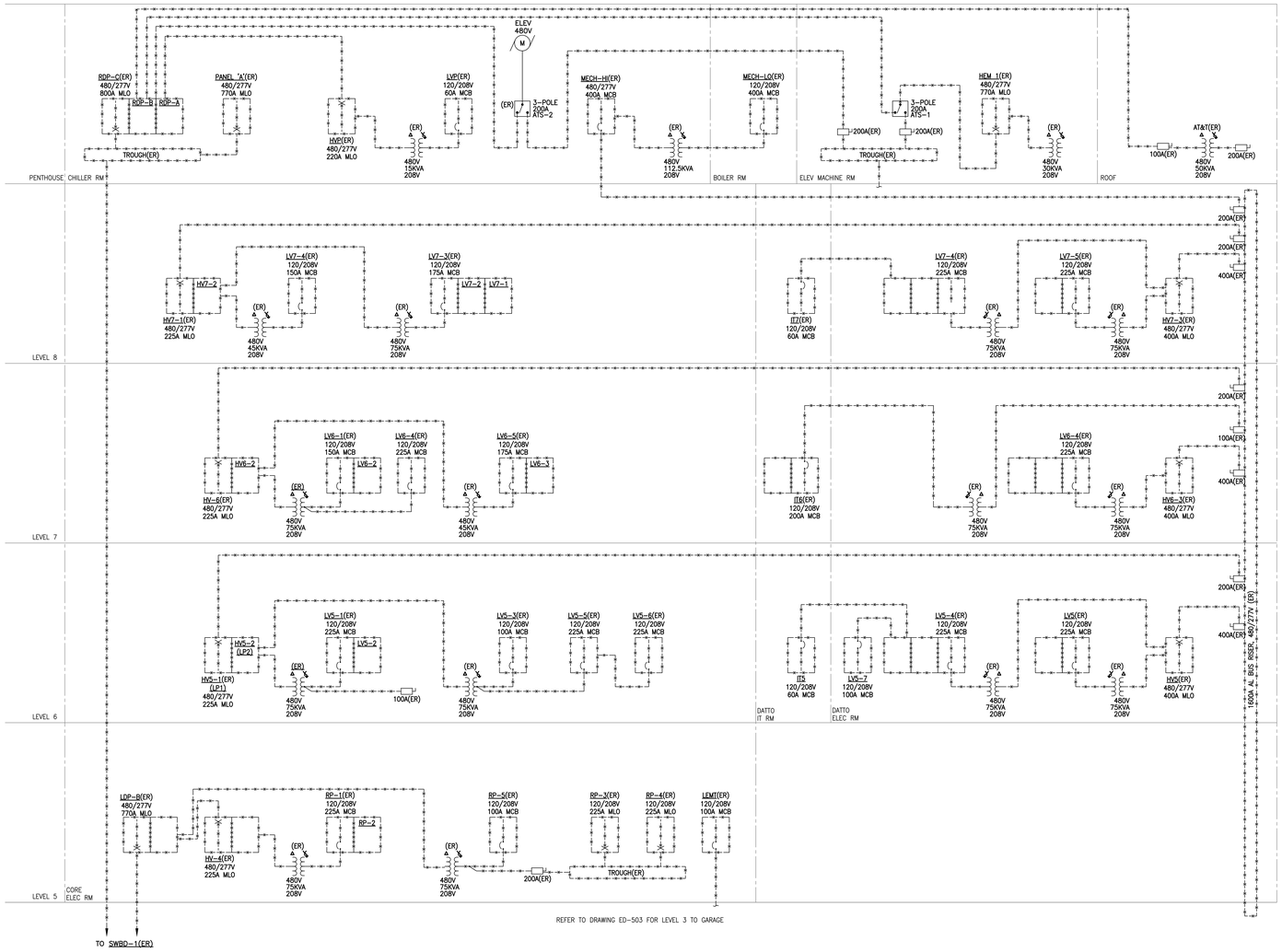

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PHASE
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06/26/2026

PROJECT NAME
MERRITT 7
BUILDING 101
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NORWALK, CT 06851

JOB NO.: 191502595

DRAWN BY: - PROJ. MANAGER: PC

DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL DEMOLITION POWER RISER DIAGRAM

DRAWING NO.

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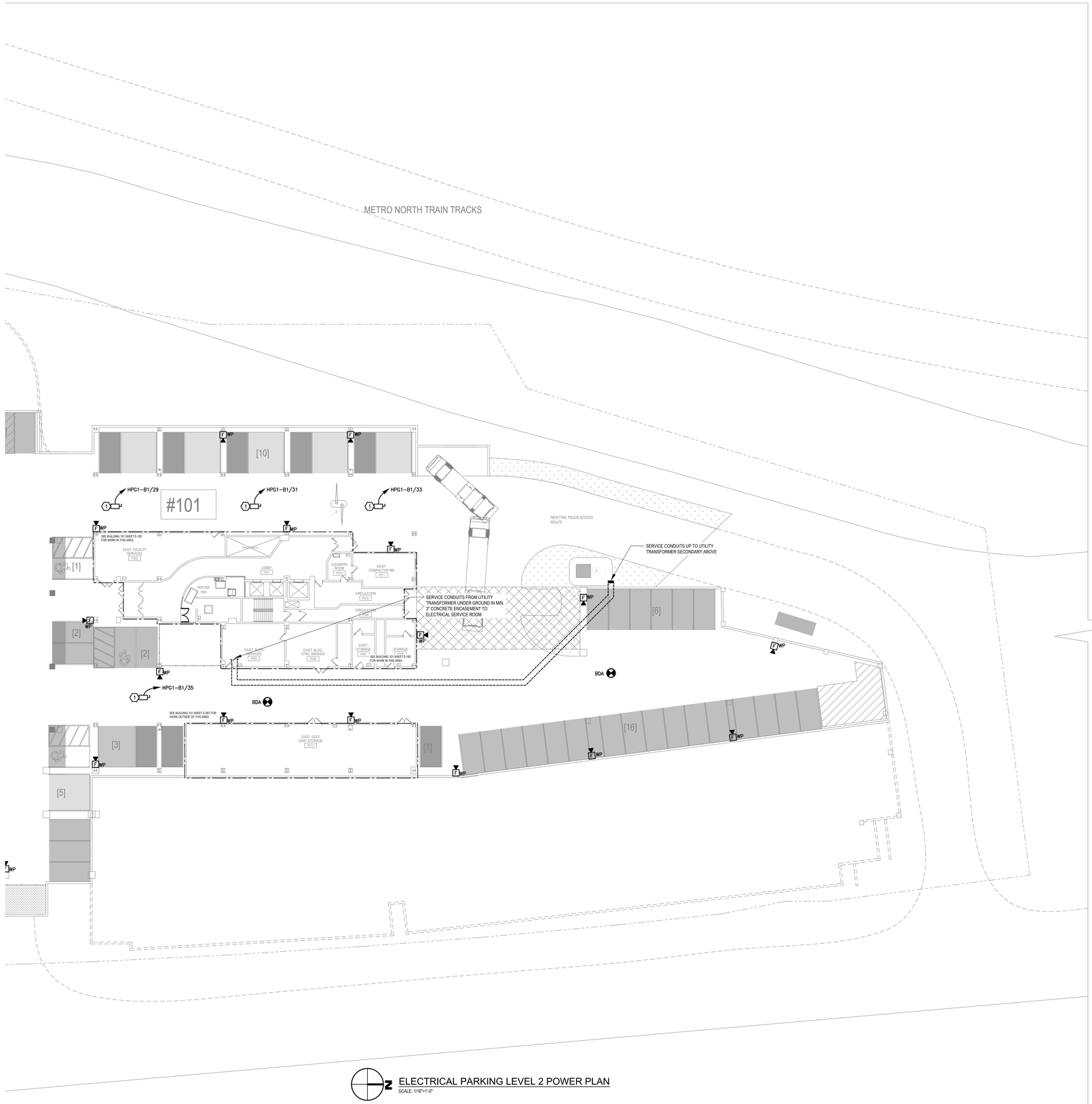
ELECTRICAL GENERAL NOTES:

1. REFER TO SHEET E-001 FOR COMPLETE LIST OF ELECTRICAL POWER NOTES.

ELECTRICAL POWER PLAN KEYNOTES:

(1) POWER FOR PLUMBING HEAT TRACE. PROVIDE FINAL TERMINATIONS TO ALL HEAT TRACE, COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT LOCATIONS. PROVIDE 30mA GROUND FAULT TYPE CIRCUIT BREAKER.



ELECTRICAL PARKING LEVEL 2 POWER PLAN
SCALE: 1/16"=1'-0"

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PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL PARKING LEVEL 2 POWER PLAN

DRAWING NO.
E-097

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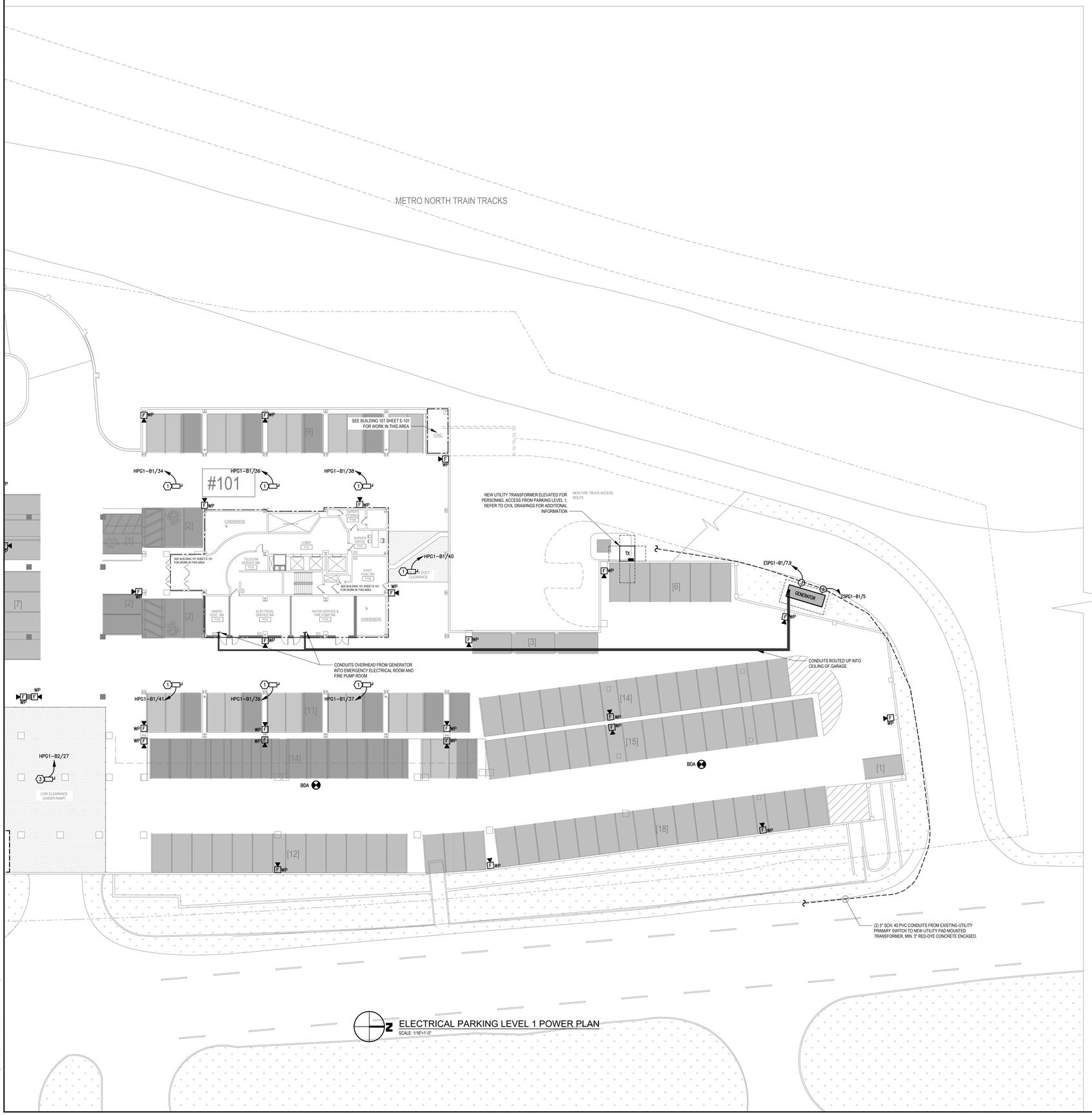
ELECTRICAL GENERAL NOTES:

1. REFER TO SHEET E-002 FOR COMPLETE LIST OF ELECTRICAL POWER NOTES.

ELECTRICAL POWER PLAN KEYNOTES:

(1) POWER FOR PLUMBING HEAT TRACE. PROVIDE FINAL TERMINATIONS TO ALL HEAT TRACE. COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT LOCATIONS. PROVIDE 30mA GROUND FAULT TYPE CIRCUIT BREAKER.



2 ELECTRICAL PARKING LEVEL 1 POWER PLAN

SCALE: 1/16"=1'-0"

REVISIONS

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06/26/2026

PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL PARKING LEVEL 1 POWER PLAN

DRAWING NO.
E-098

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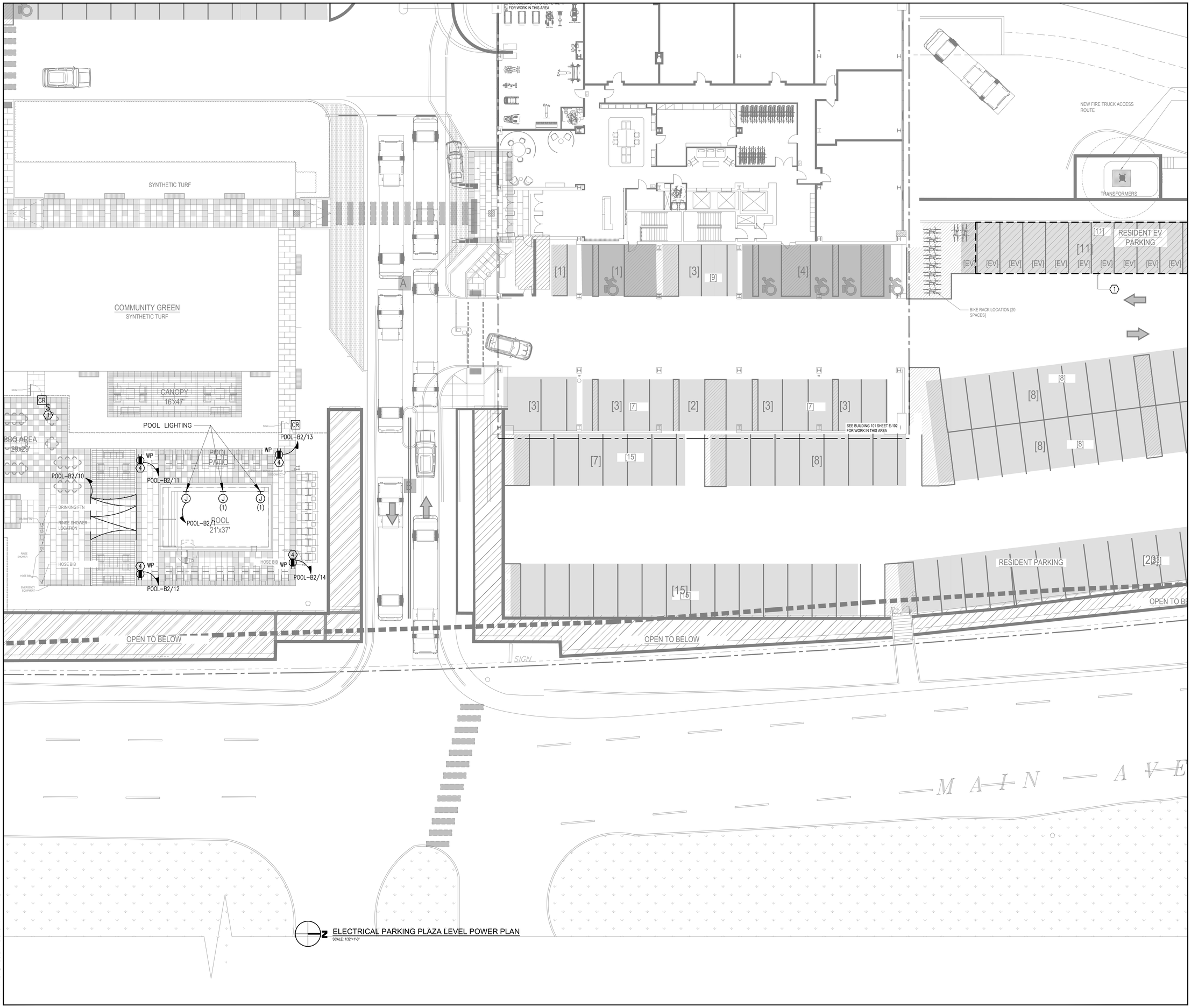

ELECTRICAL PARKING PLAZA LEVEL POWER PLAN

SCALE: 1/32"=1'-0"

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Plumbing:
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PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 19150595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL PARKING PLAZA LEVEL POWER PLAN

DRAWING NO.
E-099

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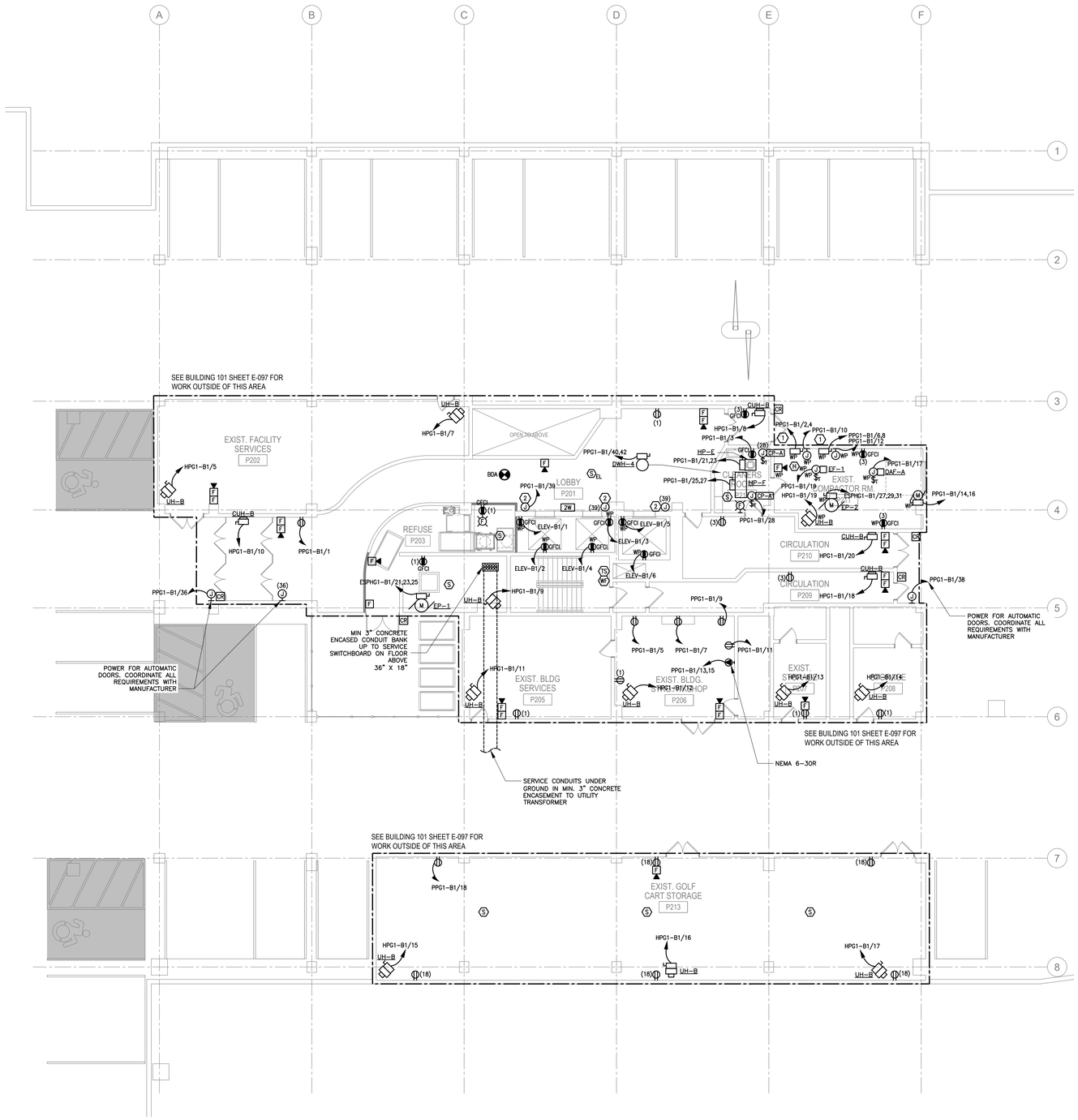

ELECTRICAL PARKING LEVEL 2 POWER PLAN

SCALE: 1/8"=1'-0"

POWER PLAN NOTES:

1. REFER TO SHEET E-001 FOR COMPLETE LIST OF ELECTRICAL POWER NOTES.
2. REFER TO TELECOMMUNICATIONS DRAWINGS FOR EXACT LOCATIONS OF LOW VOLTAGE EQUIPMENT.

POWER PLAN KEY NOTES:

(1) POWER FOR TRASH CHUTE INTERLOCK AND TRASH COMPACTOR. COORDINATE EXACT INSTALLATION REQUIREMENTS WITH MANUFACTURER.

(2) POWER FOR SMOKE SHIELD CONTAINMENT.

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REVISIONS

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PHASE

PERMIT SET

NOT FOR CONSTRUCTION
06/26/2026

PROJECT NAME

MERRITT 7
BUILDING 101

101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 19150595

DRAWN BY: - PROJ. MANAGER: PC

DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE

ELECTRICAL PARKING LEVEL 2 POWER PLAN

DRAWING NO.

E-100

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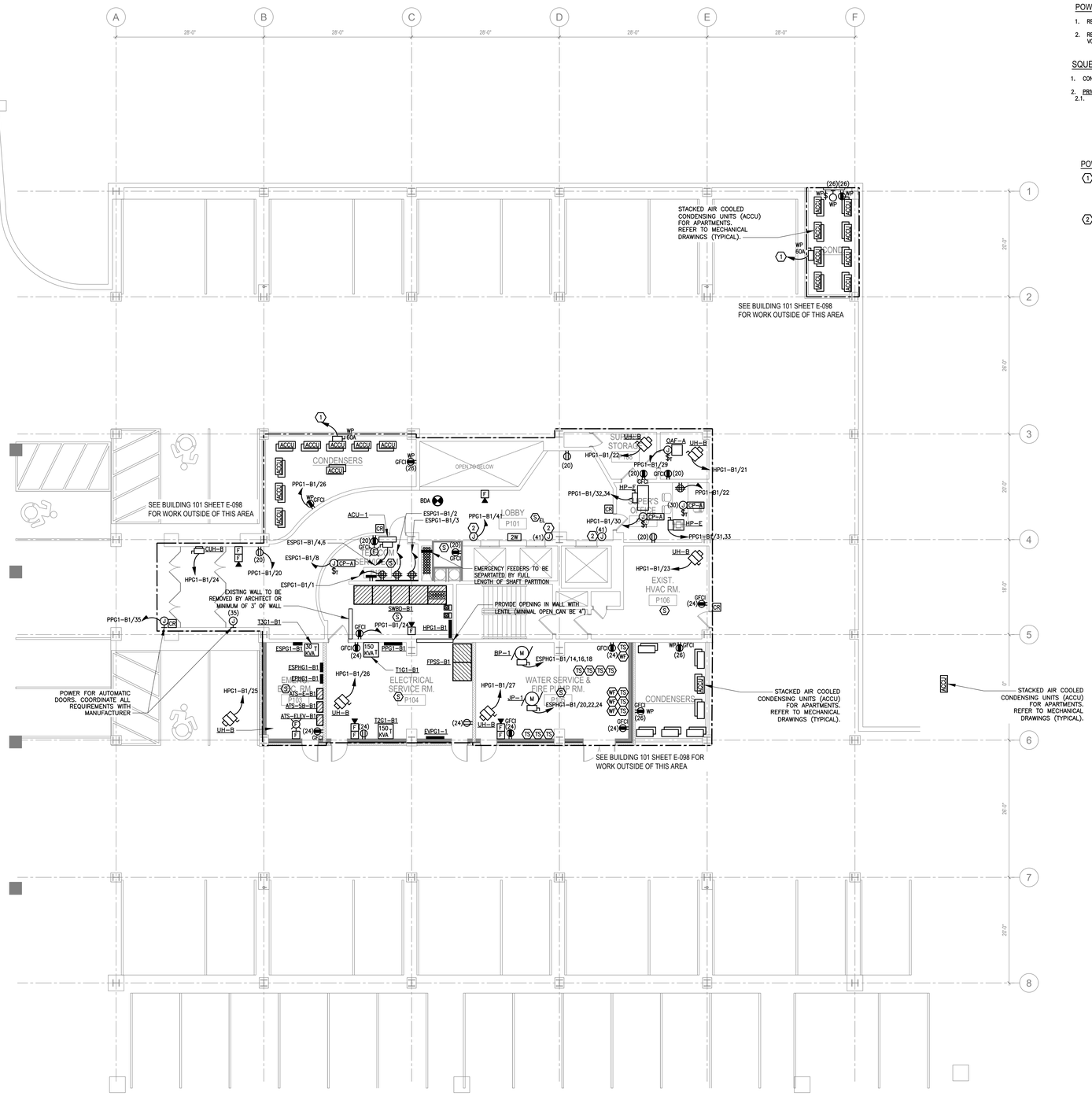
Plotted on 9/3/2025 at 2:44:00 PM by Patrick Cavanaugh using Autodesk Docs: 19150595-MERRITT 7 BUILDING 101_R24_CENTRAL_PC.rvt



ELECTRICAL PARKING LEVEL 1 POWER PLAN

SCALE: 1/8"=1'-0"

POWER PLAN NOTES:

1. REFER TO SHEET E-001 FOR COMPLETE LIST OF ELECTRICAL POWER NOTES.
2. REFER TO TELECOMMUNICATIONS DRAWINGS FOR EXACT LOCATIONS OF LOW VOLTAGE EQUIPMENT.

SQUENCE OF OPERATIONS FOR CONTROLLED RECEPTACLES:

1. CONTROLLED RECEPTACLES SHALL BE TIED TO THE LUTRON VIVE WIRELESS HUB.
2. PRIVATE OFFICES, CONFERENCE ROOMS, BREAK ROOMS & COPY ROOMS:
   2.1. CONTROLLED RECEPTACLES SHALL BE CONTROLLED ON THE LUTRON VIVE SYSTEM VIA TIME SETTING. DURING ANY "OFF" HOURS PROGRAMMING, THE WIRELESS SENSORS SHALL TAKE OVER IN "VACANCY" MODE TO AUTOMATICALLY TURN OFF THE RECEPTACLES WHEN THE AREA IS UNOCCUPIED AFTER 20 MINUTES. 50% OF ALL OFFICE, CONFERENCE ROOM, BREAK ROOM, COPY ROOM & INDIVIDUAL WORKSTATION RECEPTACLES SHALL BE CONTROLLED.

POWER PLAN KEY NOTES:

1. CIRCUIT ALL APARTMENT CONDENSING UNITS (ACCU-#) TO ASSOCIATED APARTMENT UNIT LOAD CENTERS. PROVIDE LOCAL 60A WEATHER PROOF DISCONNECT SWITCHES TYPICAL FOR ALL. REFER TO APARTMENT UNIT TYPICAL PANEL "AP" AND MECHANICAL EQUIPMENT SCHEDULE FOR EXACT DISCONNECT AND POWER REQUIREMENTS.
2. POWER FOR SMOKE SHIELD CONTAINMENT.

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06/26/2026

PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL PARKING LEVEL 1 POWER PLAN

DRAWING NO.
E-101

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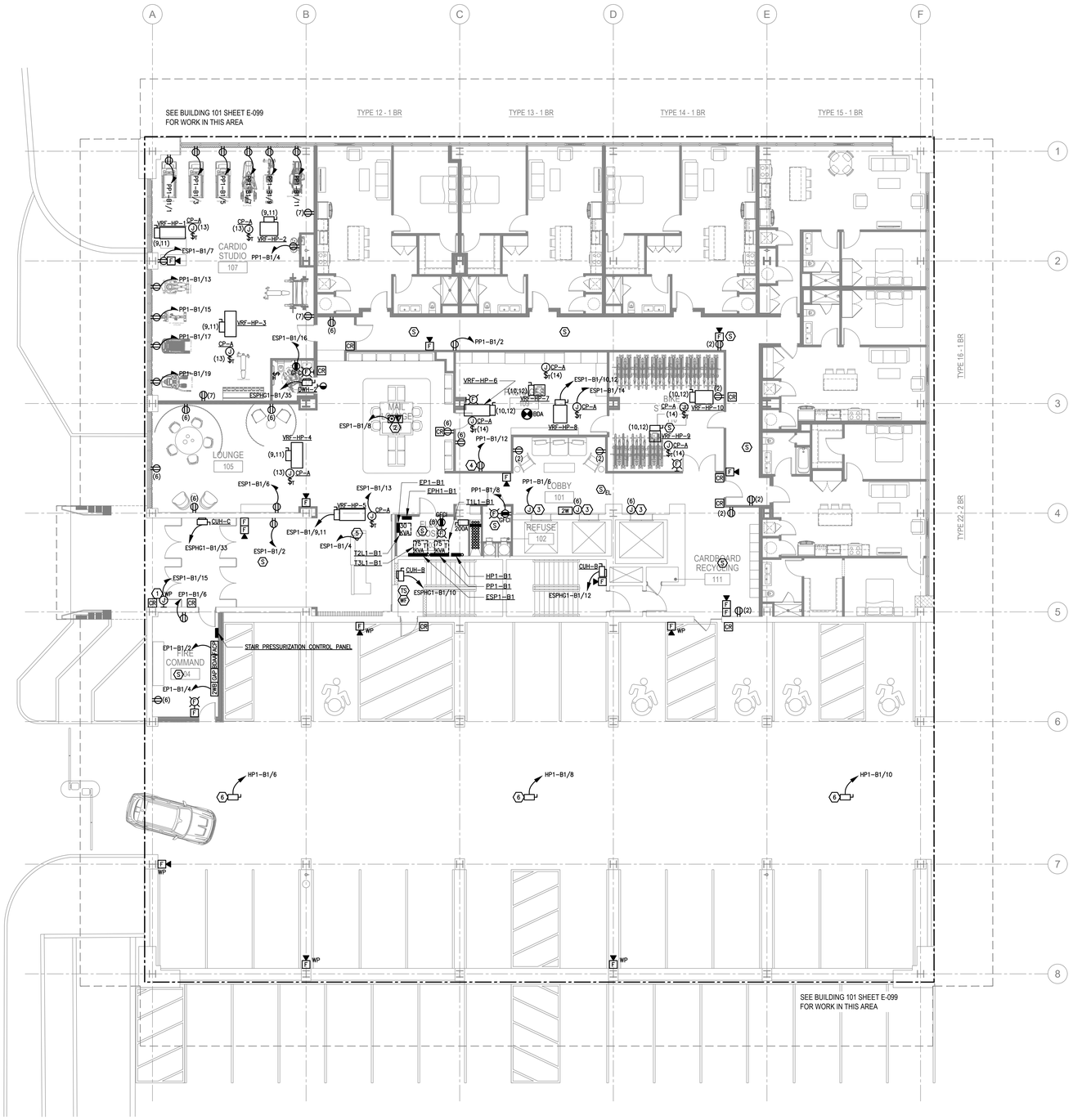
Plot Date: 9/3/2025 2:44:44 PM By: Jonathan Cuevas Plotted By: Jonathan Cuevas Plotted By: Jonathan Cuevas



ELECTRICAL FIRST FLOOR POWER PLAN

SCALE: 1/8"=1'-0"

POWER PLAN NOTES:

1. REFER TO SHEET E-001 FOR COMPLETE LIST OF ELECTRICAL POWER NOTES.
2. REFER TO TELECOMMUNICATIONS DRAWINGS FOR EXACT LOCATIONS OF LOW VOLTAGE EQUIPMENT.

POWER PLAN KEY NOTES:

1. POWER FOR INTERCOM
2. ELECTRICAL CONTRACTOR TO PROVIDE LEGRAND EVOLUTION 6AT SERIES POKE-THRU DEVICE. PROVIDE (1) 3/4"C FOR POWER AND 1"C FOR DATA.
3. POWER FOR SMOKE SHIELD CONTAINMENT.
4. POWER FOR AMAZON LOCKERS. COORDINATE WITH MANUFACTURER FOR ALL INSTALLATION REQUIREMENTS.
5. ELECTRICAL CONTRACTOR SHALL STUB UP (1) 3/4"C FOR POWER INTO OUTLETS INSTALLED WITHIN MILLWORK AND (1) 1-1/2" EMPTY CONDUIT WITH DRAGLINE FOR VOICE/DATA FROM IT CLOSET ACROSS THE CEILING FROM THE FLOOR BELOW AND UP INTO BACK BOX IN MILLWORK. COORDINATE EXACT INSTALLATION WITH MILLWORK CONTRACTOR. PROVIDE A MINIMUM OF TWO (2) DUPLEX RECEPTACLES TO BE MOUNTED TO THE MILLWORK.
6. POWER FOR PLUMBING HEAT TRACE. PROVIDE FINAL TERMINATIONS TO ALL HEAT TRACE. COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT LOCATIONS. PROVIDE 30mA GROUND FAULT TYPE CIRCUIT BREAKER.

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PHASE

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06/26/2026

PROJECT NAME

MERRITT 7
BUILDING 101

101 MERRITT 7
NORWALK, CT 06851

JOB NO.:	191502595		
DRAWN BY:	-	PROJ. MANAGER:	PC
DATE:	09/03/2025	SCALE:	AS NOTED

DRAWING TITLE

ELECTRICAL FIRST FLOOR POWER PLAN

DRAWING NO.

E-102

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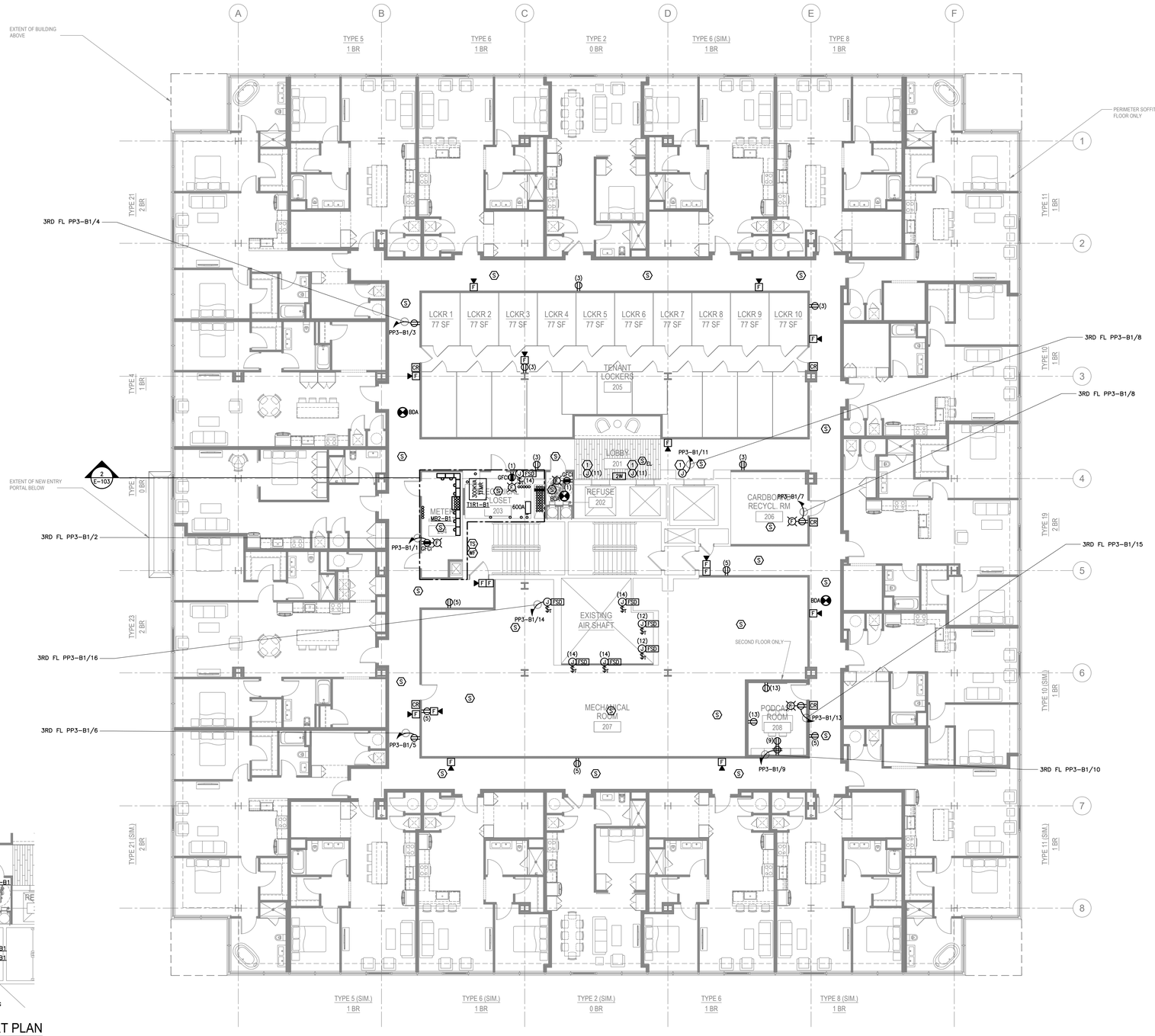

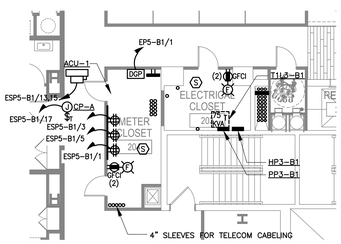

2 ELECTRICAL THIRD FLOOR PART PLAN
SCALE: 1/8" = 1'-0"

Z ELECTRICAL SECOND - THIRD FLOOR POWER PLAN
SCALE: 1/8"=1'-0"

POWER PLAN NOTES:

1. REFER TO SHEET E-001 FOR COMPLETE LIST OF ELECTRICAL POWER NOTES.
2. ELECTRICAL DEVICE LAYOUT AND CIRCUIT IS SHOWN FOR LEVEL 2 ONLY. REFER TO ELECTRICAL PANEL SCHEDULES FOR CIRCUITING ON LEVEL 3 U.O.N.
3. REFER TO PART PLANS ON THIS SHEET FOR ELECTRICAL AND TELECOM CLOSET EQUIPMENT AND DEVICE LAYOUTS AND CIRCUITING.

POWER PLAN KEY NOTES:

(1) POWER FOR SMOKE SHIELD CONTAINMENT.

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PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 19150259S

DRAWN BY: - PROJ. MANAGER: PC

DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL SECOND - THIRD FLOOR POWER PLAN

DRAWING NO.
E-103

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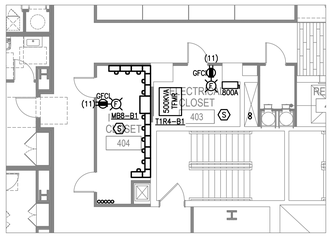
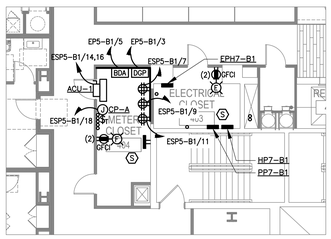
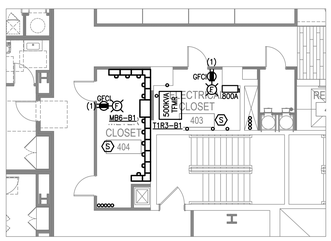


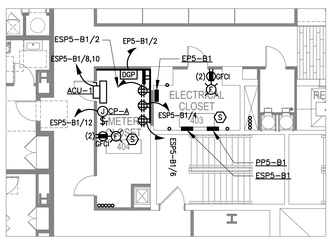
5 ELECTRICAL EIGHTH FLOOR PART PLAN
SCALE: 1/8" = 1'-0"



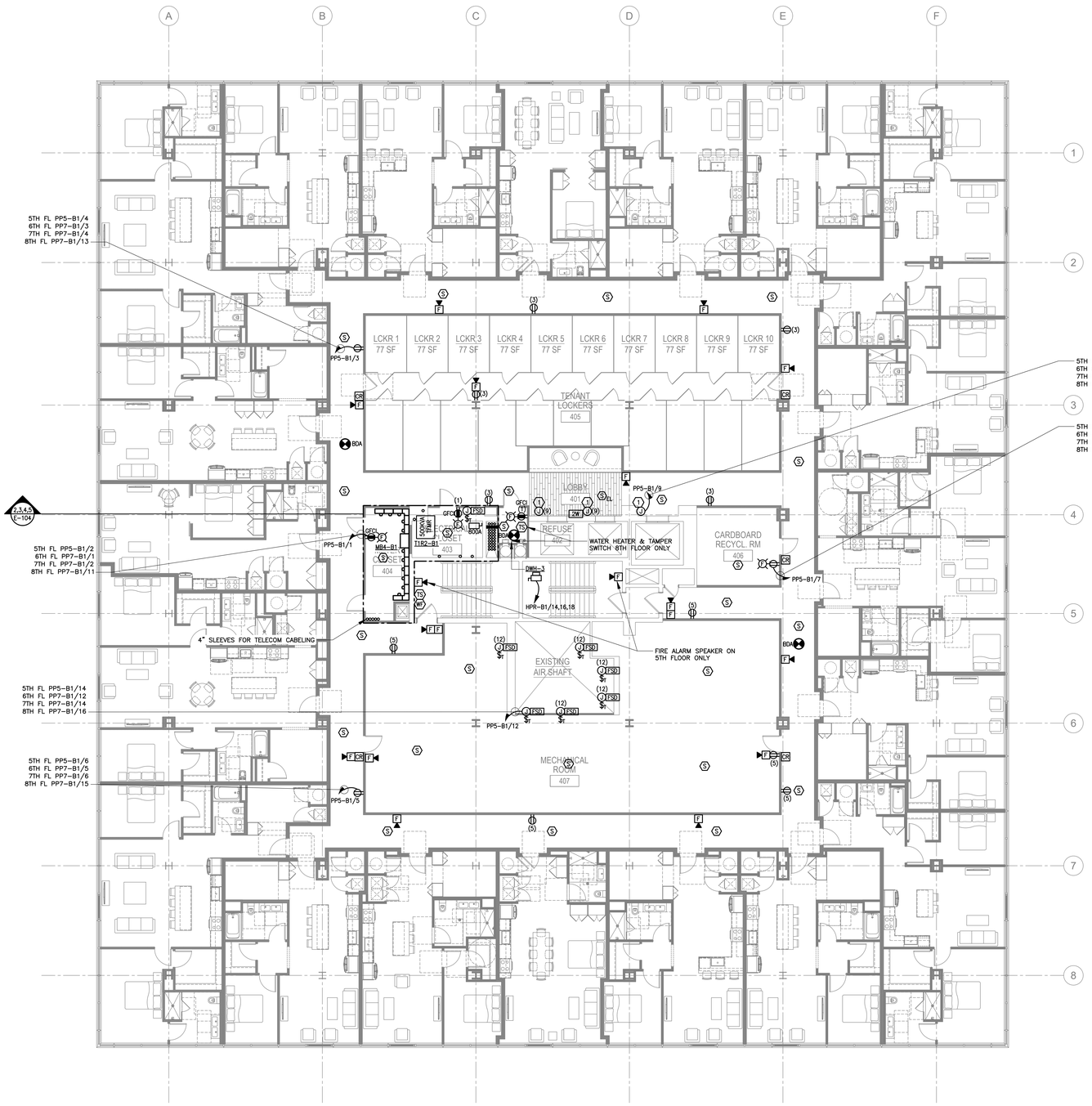
4 ELECTRICAL SEVENTH FLOOR PART PLAN
SCALE: 1/8" = 1'-0"



3 ELECTRICAL SIXTH FLOOR PART PLAN
SCALE: 1/8" = 1'-0"



2 ELECTRICAL FIFTH FLOOR PART PLAN
SCALE: 1/8" = 1'-0"



Z ELECTRICAL FOURTH - EIGHT FLOOR POWER PLAN
SCALE: 1/8"=1'-0"

POWER PLAN NOTES:

1. REFER TO SHEET E–001 FOR COMPLETE LIST OF ELECTRICAL POWER NOTES.
2. ELECTRICAL DEVICE LAYOUT AND CIRCUIT IS SHOWN FOR LEVEL 4 ONLY. REFER TO ELECTRICAL PANEL SCHEDULES FOR CIRCUITING ON LEVEL 5, 6, 7, & 8 U.O.N.
3. REFER TO PART PLANS ON THIS SHEET FOR ELECTRICAL AND TELECOM CLOSET EQUIPMENT AND DEVICE LAYOUTS AND CIRCUITING.

POWER PLAN KEY NOTES:

(1) POWER FOR SMOKE SHIELD CONTAINMENT.

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PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL FOURTH - EIGHT FLOOR POWER PLAN

DRAWING NO.
E-104

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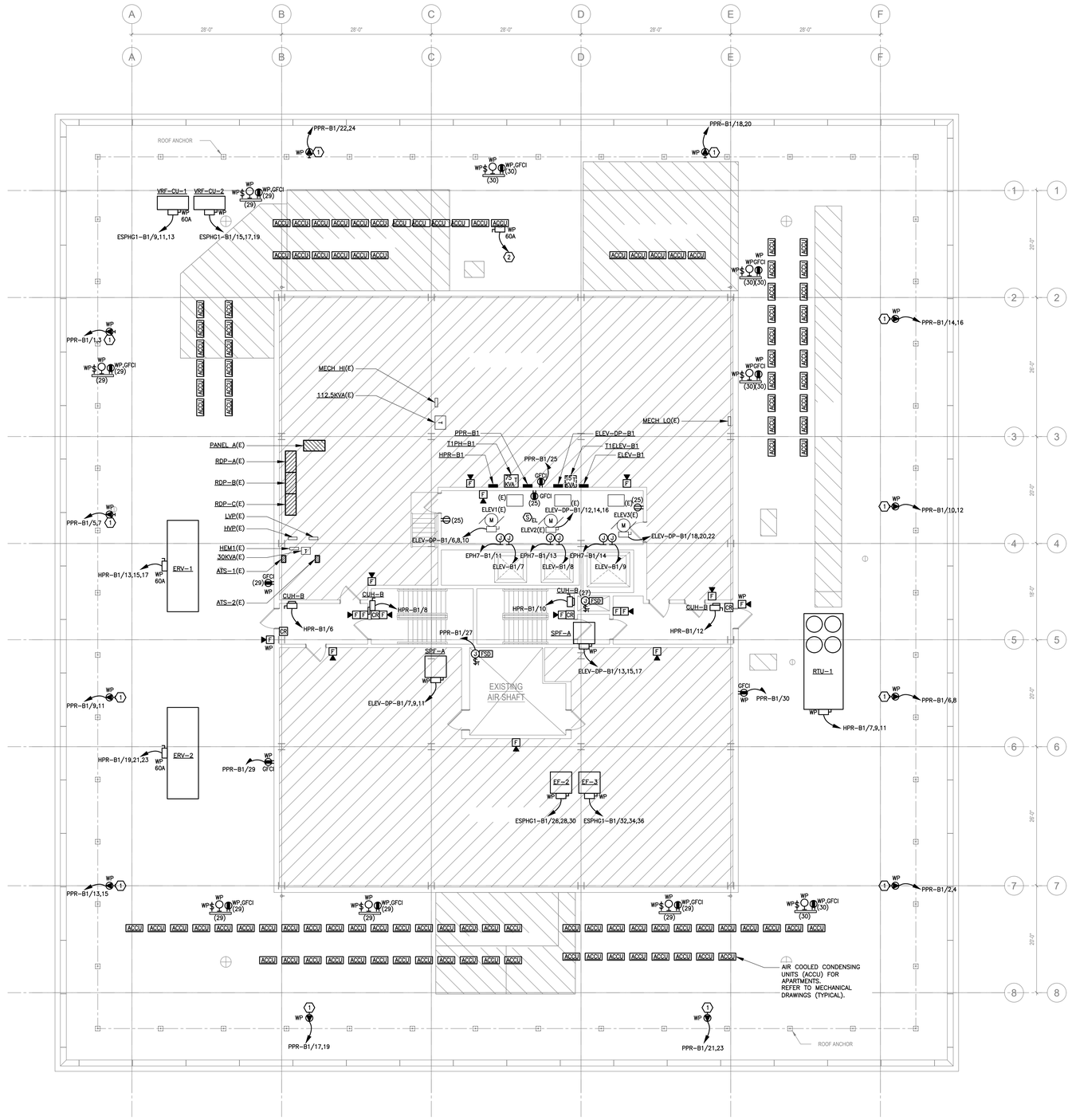

ELECTRICAL ROOF POWER PLAN
SCALE: 1/8"=1'-0"

POWER PLAN NOTES:

1. REFER TO SHEET E-001 FOR COMPLETE LIST OF ELECTRICAL POWER NOTES.
2. REFER TO TELECOMMUNICATIONS DRAWINGS FOR EXACT LOCATIONS OF LOW VOLTAGE EQUIPMENT.

POWER PLAN KEY NOTES:

1. ELECTRICAL WEATHERPROOF NEMA L6-30R RECEPTACLE; TWIST-LOCK; 30A; 208V; 1PH; 60HZ; PROVIDE 1/2" PHASE STAINLESS STEEL EYEBOLT FOR STRAIN RELIEF ANCHOR AT EACH OUTLET. LOCATIONS SHOWN ARE APPROXIMATE, FINAL LOCATIONS TO BE DETERMINED BY THE OWNER (TYPICAL).
2. CIRCUIT ALL APARTMENT CONDENSING UNITS (ACCU-#) TO ASSOCIATED APARTMENT UNIT LOAD CENTERS, PROVIDE LOCAL 60A WEATHER PROOF DISCONNECT SWITCHES TYPICAL FOR ALL. REFER TO APARTMENT UNIT TYPICAL PANEL "AP" AND MECHANICAL EQUIPMENT SCHEDULE FOR EXACT DISCONNECT AND POWER REQUIREMENTS.

ADD ALTERNATE:

1. PROVIDE ALTERNATE BUDGET PRICE FOR MULTI POINT LIGHTNING PROTECTION SYSTEM BY HEARY BROS LIGHTNING PROTECTION CO. TO REVIEW, TEST, AND INSTALL A NEW SYSTEM. PROVIDE NEW POINTS OF PROTECTION PER NEW ROOFTOP PROGRAMMING AND MECHANICAL EQUIPMENT LAYOUT.
   - CAROLYN YAGER, 716-941-6141

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BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL ROOF POWER PLAN

DRAWING NO.
E-105

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LIGHTING PLAN NOTES:

1. REFER TO LIGHTING NOTES ON DRAWING E-001 FOR ADDITIONAL INFORMATION.
2. NON EMERGENCY LIGHTING FIXTURES IN RESIDENTIAL CORRIDORS SHALL BE CONTROLLED VIA OCCUPANCY SENSORS. EMERGENCY LIGHTS AND ELEVATOR LOBBY LIGHTS SHALL REMAIN ON 24/7.
3. ALL SITE & EXTERIOR AMENITY LIGHTING SHALL BE CONTROLLED VIA DIGITAL TIME CLOCK & PHOTOCELL. PROVIDE RELAY CONTACTOR PANEL AS REQUIRED. COORDINATE EXACT TIME SETTING WITH OWNER.

RIVER

METRO NORTH TRAIN TRACKS

ALL CIRCUITS LEFT OF MATCHLINE SHALL BE CIRCUITED TO PANEL 'HPG1-B2' AND 'EPHG1-B2' U.O.N.

ALL CIRCUITS RIGHT OF MATCHLINE SHALL BE CIRCUITED TO PANEL 'HPG1-B1' AND 'EPHG1-B1' U.O.N.

#101

SEE BUILDING 101 SHEET E-200 FOR WORK IN THIS AREA

EXIST. FACILITY SERVICES P202

EXIST. OFFICE P201

LOBBY P201

CLEANERS ROOM P201

EXIST. COMPACTOR RM. P211

REFUSE P203

COMPACTOR

CIRCULATION P210

CIRCULATION P209

EXIST. BLDG SERVICES P205

EXIST. BLDG STRG./WKSHOP P206

EXIST. STORAGE P207

STORAGE P208

SEE BUILDING 101 SHEET E-200 FOR WORK IN THIS AREA

EXIST. GOLF CART STORAGE P213

NEW FIRE TRUCK ACCESS ROUTE

EPHG1-B1/9

TYPICAL FOR LIGHTING CIRCUIT, REFER TO PANEL SCHEDULE

EPHG1-B1/7

HPG1-B1/1

SEE BUILDING 101 SHEET E-200 FOR WORK IN THIS AREA

[1] [2] [3] [5] [6] [7] [8] [10] [16]

E2 ELECTRICAL PARKING LEVEL 2 LIGHTING PLAN

SCALE: 1/16"=1'-0"

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BUILDING 101

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NORWALK, CT 06851

JOB NO.: 19150259S

DRAWN BY: - PROJ. MANAGER: PC

DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE

ELECTRICAL PARKING LEVEL 2 LIGHTING PLAN

DRAWING NO.

E-197

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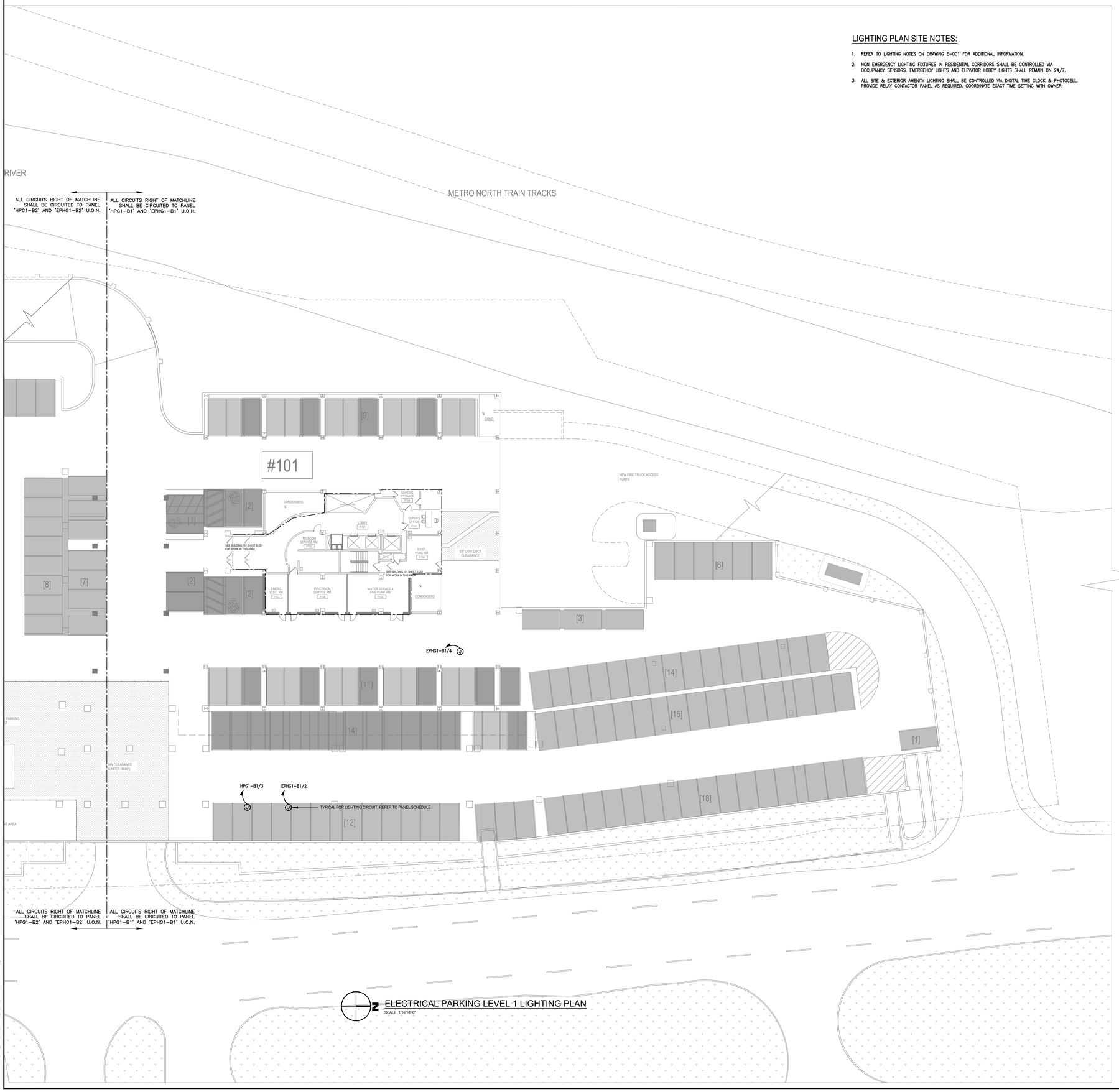
LIGHTING PLAN SITE NOTES:

1. REFER TO LIGHTING NOTES ON DRAWING E-001 FOR ADDITIONAL INFORMATION.
2. NON EMERGENCY LIGHTING FIXTURES IN RESIDENTIAL CORRIDORS SHALL BE CONTROLLED VIA OCCUPANCY SENSORS. EMERGENCY LIGHTS AND ELEVATOR LOBBY LIGHTS SHALL REMAIN ON 24/7.
3. ALL SITE & EXTERIOR AMENITY LIGHTING SHALL BE CONTROLLED VIA DIGITAL TIME CLOCK & PHOTOCELL. PROVIDE RELAY CONTACTOR PANEL AS REQUIRED. COORDINATE EXACT TIME SETTING WITH OWNER.



ELECTRICAL PARKING LEVEL 1 LIGHTING PLAN

SCALE: 1/16"=1'-0"

REVISIONS

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NORWALK, CT 06851

JOB NO.: 191502595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL PARKING LEVEL 1 LIGHTING PLAN

DRAWING NO.
E-198

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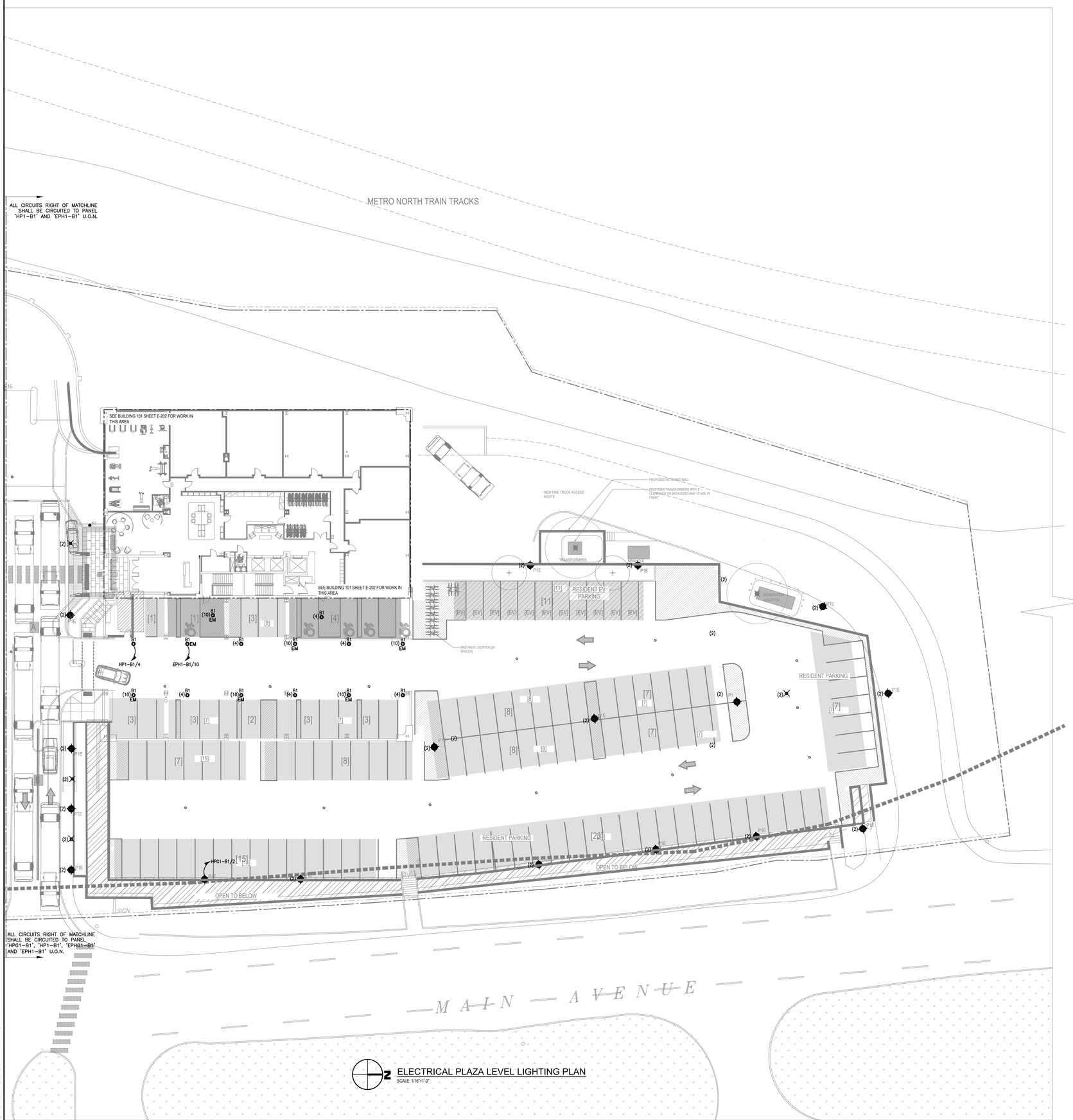

ELECTRICAL PLAZA LEVEL LIGHTING PLAN

SCALE: 1/16"=1'-0"

ELECTRICAL SITE PLAN NOTES:

1. REFER TO CIVIL UTILITY DRAWINGS FOR ELECTRICAL UTILITY PRIMARY AND SECONDARY SERVICE DISTRIBUTION AND EQUIPMENT. ALSO REFER TO ELECTRICAL POWER RISER DIAGRAM FOR ADDITIONAL INFORMATION.
2. ELECTRICAL CONTRACTOR SHALL REFER TO LANDSCAPE SITE PLAN FOR EXACT LOCATIONS AND SPECIFICATIONS OF LIGHT FIXTURES.
3. ELECTRICAL CONTRACTOR SHALL VERIFY EXACT ROUTING OF CONDUITS IN FIELD DURING CONSTRUCTION. REFER TO CIVIL DRAWINGS FOR APPROXIMATE CONDUIT ROUTING.
4. ALL EXTERIOR LIGHTING SHALL BE CONTROLLED VIA PHOTOCELL AND DIGITAL TIME CLOCK. PROVIDE RELAY CONTACTOR PANEL AS REQUIRED. COORDINATE EXACT TIME SETTING WITH OWNER.
5. ALL EXTERIOR POWER AND LIGHTING CIRCUIT SHALL BE A MINIMUM OF 2#8 + 1#10 GND IN 1-1/2" PVC CONDUIT, UNLESS OTHERWISE NOTED. ELECTRICAL CONTRACTOR SHALL VERIFY VOLTAGE DROP OF CIRCUITS IN FIELD AND MAINTAIN 2% MAX VOLTAGE DROP.
6. ALL CONDUIT SHALL BE SCHEDULE 40 PVC AND BURIED 24" MINIMUM BELOW GRADE, U.O.N. UTILITY SERVICE PRIMARY AND SECONDARY CONDUIT SHALL BE 36" MINIMUM BELOW GRADE.
7. TRENCHING FOR CONDUITS SHALL BE KEPT TO A MINIMUM WIDTH TO ACCOMMODATE ONLY THE NUMBER OF CONDUITS REQUIRED. A RED CAUTION TAPE SHALL BE PLACED ALONG THE LENGTH OF THE TRENCH AT A MINIMUM OF 6"-10" BELOW FINISHED GRADE BUT NO CLOSER THAN 12" TO THE BURIED CONDUITS. UNDERGROUND-TYPE PLASTIC LINE MARKER NOT LESS THAN 6" WIDE AND 4 MILS THICK.
8. MATERIAL FOR BACKFILLING SHALL BE EARTH MATERIALS ENTIRELY FREE FROM VEGETATION, TRASH, LUMBER, AND FROZEN, SOFT OR ORGANIC MATERIALS. NO STONES OR ROCK LARGER THAN 1" WILL BE PERMITTED IN THE FILL.
9. ELECTRICAL CONTRACTOR SHALL PROVIDE HAND HOLES EVERY 200' SIZED PER NEC. NO MORE THAN (4) 90 DEGREE BENDS SHALL BE ALLOWED WITHOUT A HANDHOLE. ALL HANDHOLES SHALL BE H-20 RATED IN DRIVABLE AREAS. ELECTRICAL HANDHOLES SHALL HAVE A COVER PLATE READING "ELECTRIC" WITH CIRCUIT DESIGNATION INDICATED INSIDE.
10. REFER TO ELECTRICAL GROUND LEVEL LIGHTING PLAN FOR EXTERIOR BUILDING MOUNTED LIGHTING.

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PHASE
PERMIT SET

NOT FOR CONSTRUCTION
06/26/2026

PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL PLAZA LEVEL LIGHTING PLAN

DRAWING NO.
E-199

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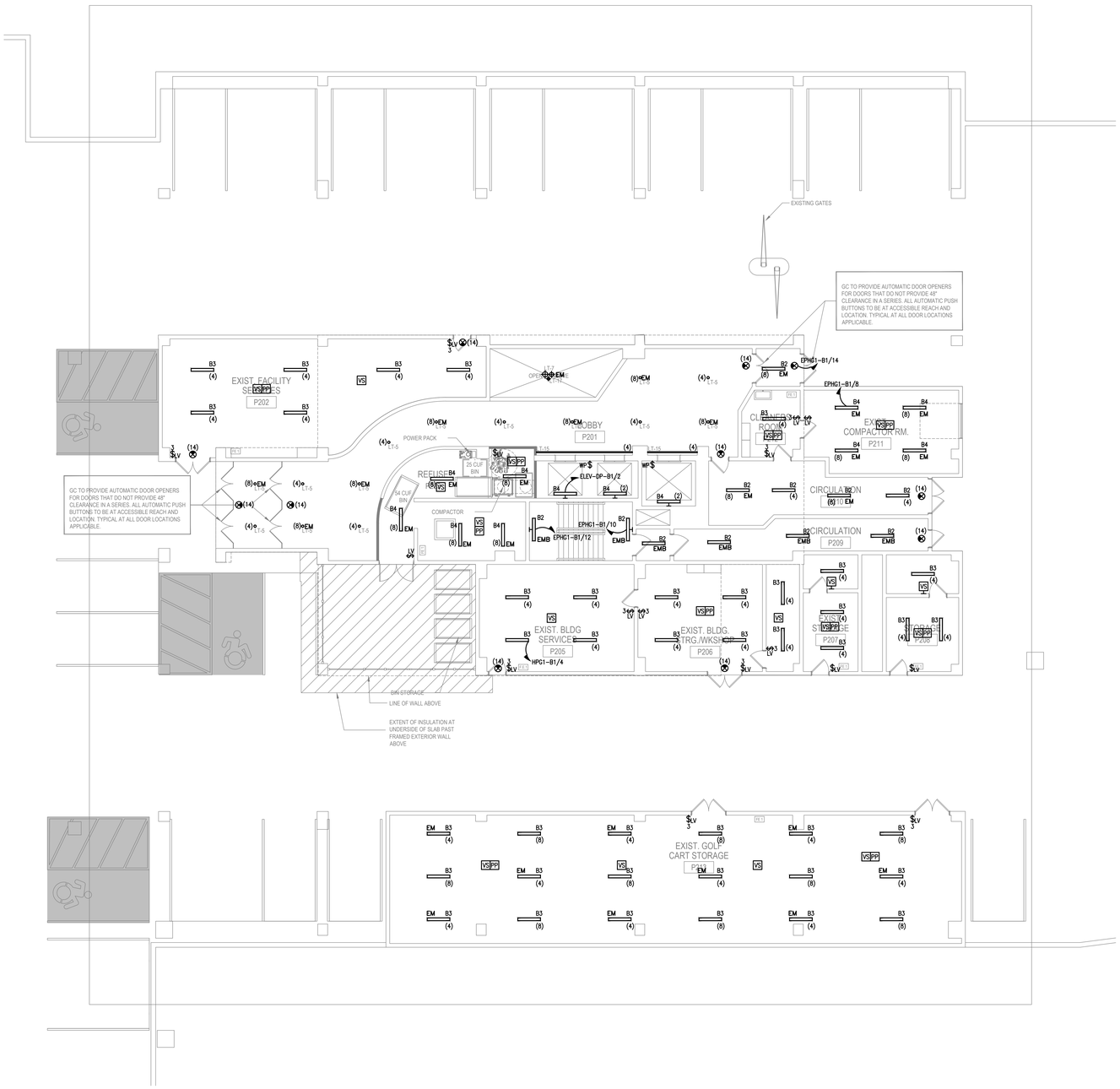
LIGHTING PLAN NOTES:

1. REFER TO LIGHTING NOTES ON DRAWING E-001 FOR ADDITIONAL INFORMATION.
2. NON EMERGENCY LIGHTING FIXTURES IN RESIDENTIAL CORRIDORS SHALL BE CONTROLLED VIA OCCUPANCY SENSORS. EMERGENCY LIGHTS AND ELEVATOR LOBBY LIGHTS SHALL REMAIN ON 24/7.
3. ALL SITE & EXTERIOR AMENITY LIGHTING SHALL BE CONTROLLED VIA DIGITAL TIME CLOCK & PHOTOCELL. PROVIDE RELAY CONTACTOR PANEL AS REQUIRED. COORDINATE EXACT TIME SETTING WITH OWNER.



ELECTRICAL PARKING LEVEL 2 LIGHTING PLAN

SCALE: 1/8"=1'-0"

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ELECTRICAL PARKING LEVEL 2 LIGHTING PLAN

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E-200

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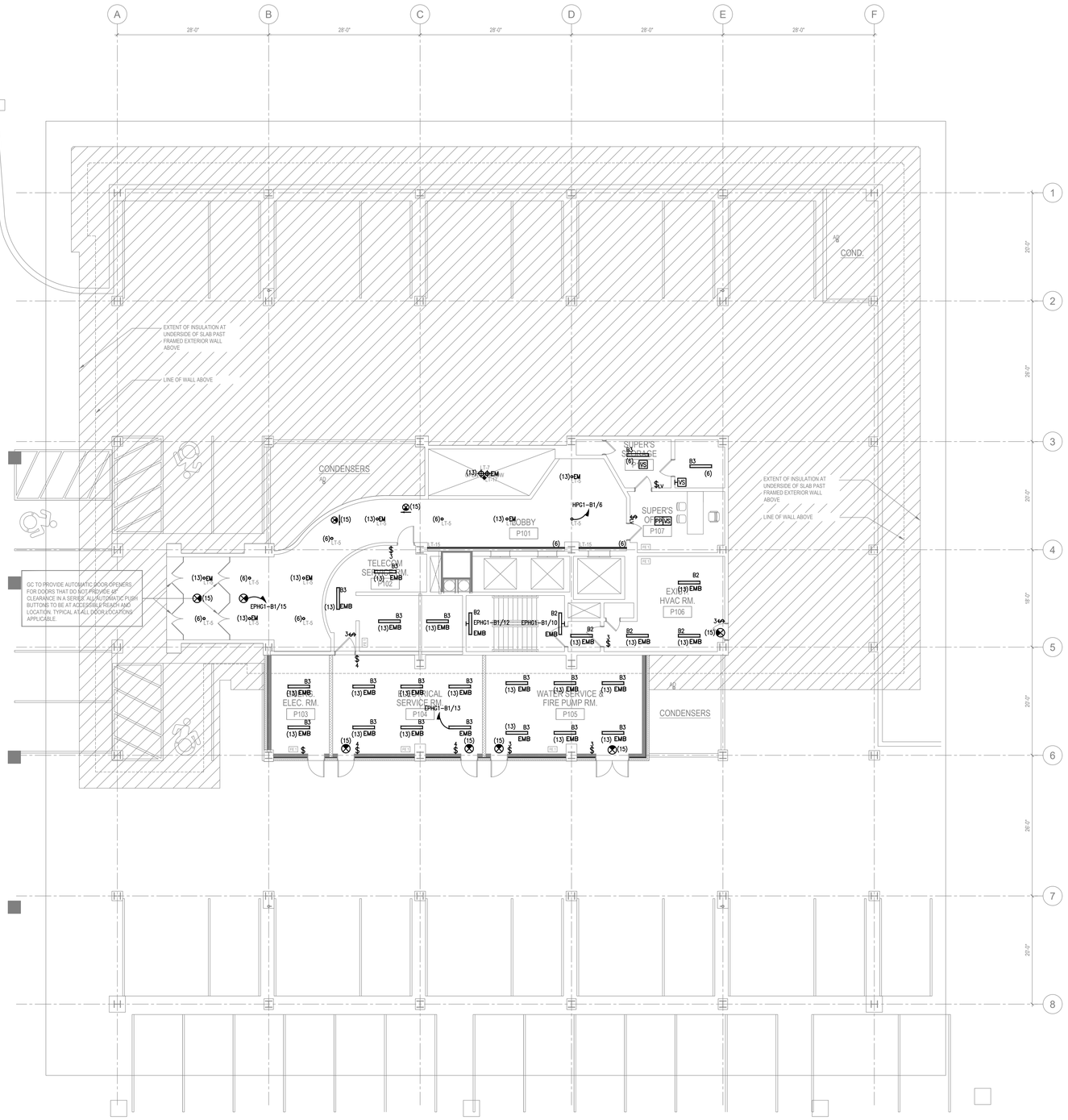

ELECTRICAL PARKING LEVEL 1 LIGHTING PLAN

SCALE: 1/8"=1'-0"

LIGHTING PLAN NOTES:

1. REFER TO LIGHTING NOTES ON DRAWING E-001 FOR ADDITIONAL INFORMATION.
2. NON EMERGENCY LIGHTING FIXTURES IN RESIDENTIAL CORRIDORS SHALL BE CONTROLLED VIA OCCUPANCY SENSORS. EMERGENCY LIGHTS AND ELEVATOR LOBBY LIGHTS SHALL REMAIN ON 24/7.
3. ALL SITE & EXTERIOR AMENITY LIGHTING SHALL BE CONTROLLED VIA DIGITAL TIME CLOCK & PHOTOCELL. PROVIDE RELAY CONTACTOR PANEL AS REQUIRED. COORDINATE EXACT TIME SETTING WITH OWNER.

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ELECTRICAL PARKING LEVEL 1 LIGHTING PLAN

DRAWING NO.

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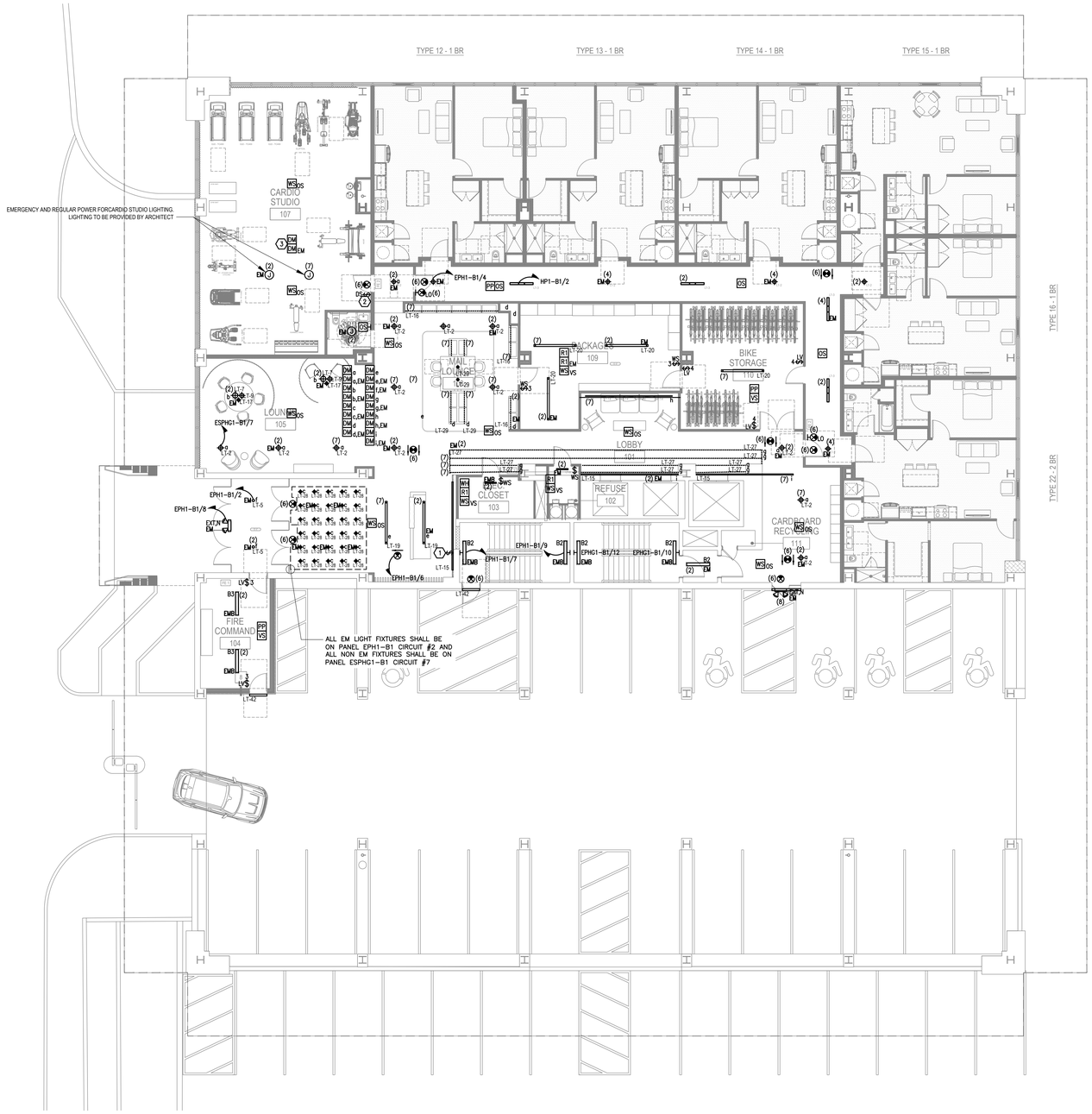
Plot date: 6/26/2026 9:44am by jpalmer | Drawing file: C:\Users\jpalmer\Granoff Dropbox\Projects\191502595 Merritt 7 Building 101\Drawings\Electrical\E-201 Electrical Parking Level 1 Lighting Plan.dwg



ELECTRICAL FIRST FLOOR LIGHTING PLAN
SCALE: 1/8"=1'-0"

LIGHTING PLAN NOTES:

1. REFER TO LIGHTING NOTES ON DRAWING E-001 FOR ADDITIONAL INFORMATION.
2. NON EMERGENCY LIGHTING FIXTURES IN RESIDENTIAL CORRIDORS SHALL BE CONTROLLED VIA OCCUPANCY SENSORS. EMERGENCY LIGHTS AND ELEVATOR LOBBY LIGHTS SHALL REMAIN ON 24/7.
3. LOCATE ALL DIMMING AND RELAY MODULES IN HUNG/CLOUD CEILING OR CLOSETS WITHIN 30FT OF THE CONTROLLED LIGHTING ZONE. DIMMING MODULES AND RELAYS SHALL NOT BE LOCATED IN ANY OF THE OPEN CEILING AREAS. DIMMING AND RELAY MODULES LOCATED ON PLAN IN OPEN CEILING AREAS ARE FOR REFERENCE ONLY. COORDINATE FINAL LOCATION PER MANUFACTURER INSTALLATION REQUIREMENTS.
4. ALL SITE & EXTERIOR AMENITY LIGHTING SHALL BE CONTROLLED VIA DIGITAL TIME CLOCK & PHOTOCELL. PROVIDE RELAY CONTRACTOR PANEL AS REQUIRED. COORDINATE EXACT TIME SETTING WITH OWNER.

LIGHTING PLAN KEY NOTES:

1. PROVIDE APPLE IPAD WITH LUTRON VIVE SOFTWARE INSTALLED FOR SCENE SELECTION AND MANUAL PROGRAMMING/CONTROL OF ALL ZONES.
2. PROVIDE (1) DIMMER SWITCH PER LIGHTING ZONE. FINAL FIXTURE LAYOUT TO BE PROVIDED BY ARCHITECT.
3. PROVIDE (1) DIMMING MODULE PER LIGHTING ZONE. PROVIDE (1) EMERGENCY DIMMING MODULE WHERE LIGHTING FIXTURES WITHIN THE ZONE REQUIRE EMERGENCY POWER. FINAL FIXTURE LAYOUT TO BE PROVIDED BY ARCHITECT.

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PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.:	191502595		
DRAWN BY:	-	PROJ. MANAGER:	PC
DATE:	09/03/2025	SCALE:	AS NOTED

DRAWING TITLE
ELECTRICAL FIRST FLOOR LIGHTING PLAN

DRAWING NO.
E-202

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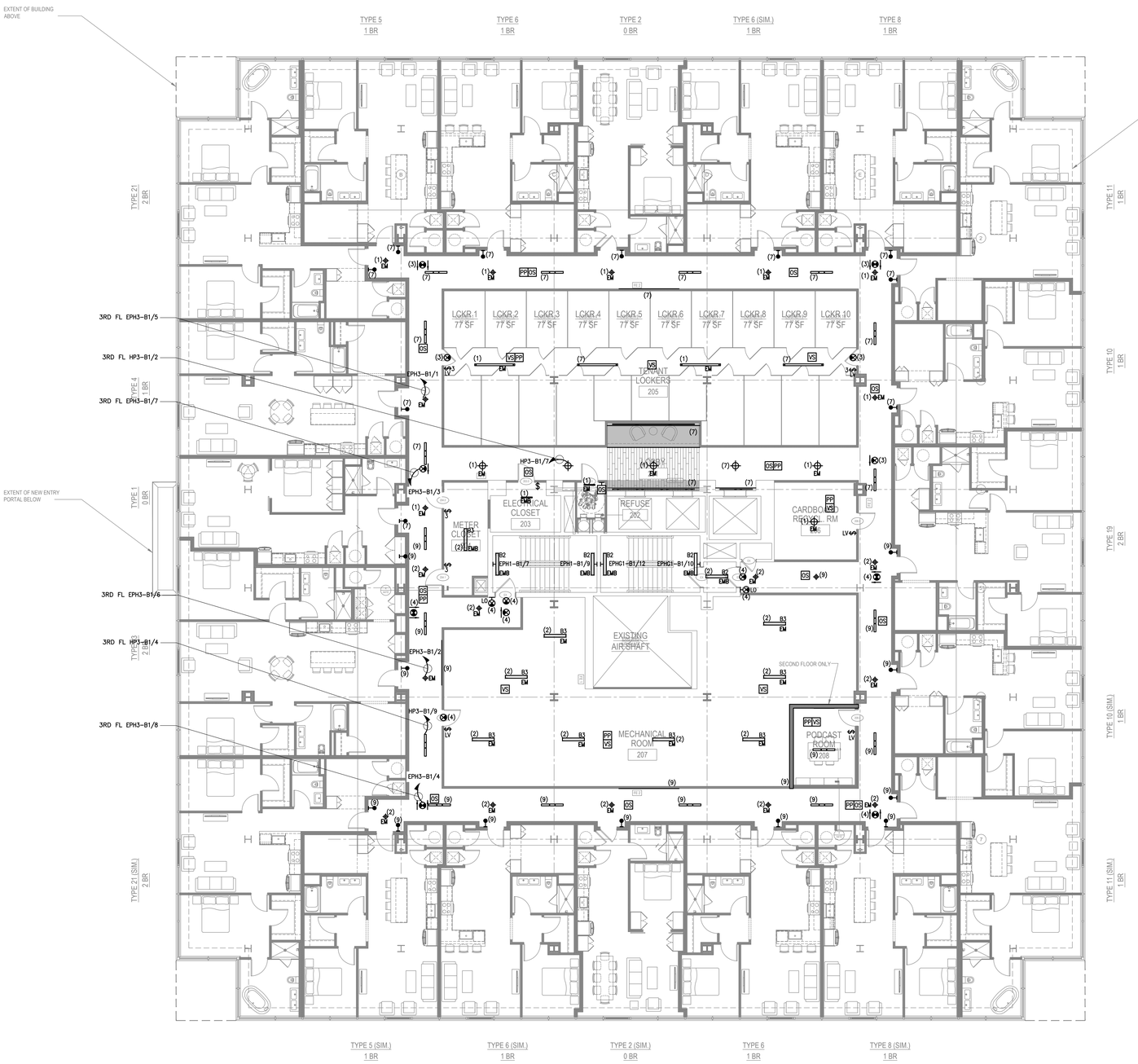

ELECTRICAL SECOND - THIRD FLOOR LIGHTING PLAN

SCALE: 1/8"=1'-0"

LIGHTING PLAN NOTES:

1. REFER TO LIGHTING NOTES ON DRAWING E-001 FOR ADDITIONAL INFORMATION.
2. NON EMERGENCY LIGHTING FIXTURES IN RESIDENTIAL CORRIDORS SHALL BE CONTROLLED VIA OCCUPANCY SENSORS. EMERGENCY LIGHTS AND ELEVATOR LOBBY LIGHTS SHALL REMAIN ON 24/7.

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PROJECT NAME

MERRITT 7
BUILDING 101

101 MERRITT 7
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JOB NO.: 19150259S

DRAWN BY: - PROJ. MANAGER: PC

DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE

ELECTRICAL SECOND - THIRD FLOOR LIGHTING PLAN

DRAWING NO.

E-203

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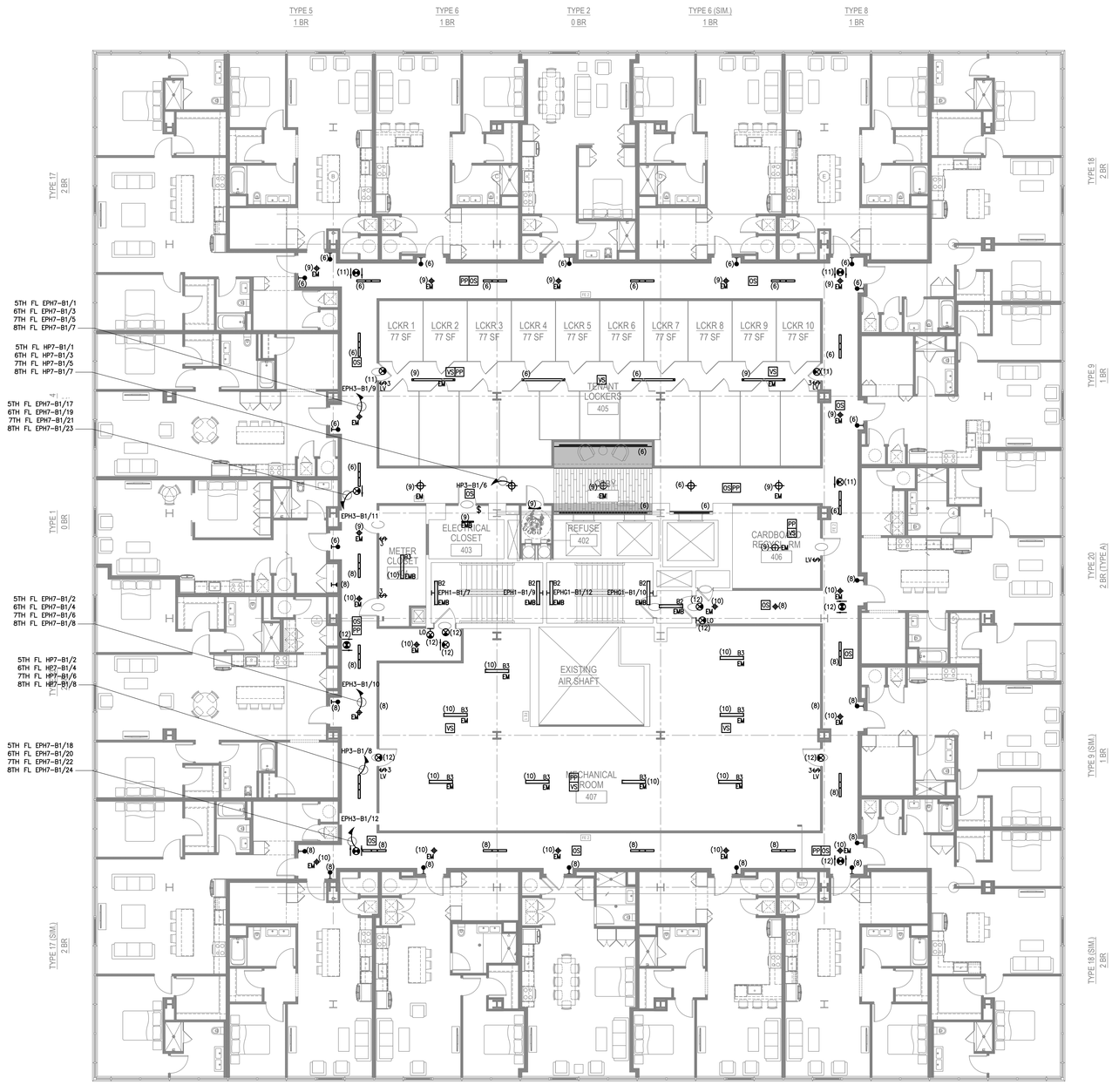

ELECTRICAL FOURTH - EIGHT FLOOR LIGHTING PLAN

SCALE: 1/8"=1'-0"

LIGHTING PLAN NOTES:

1. REFER TO LIGHTING NOTES ON DRAWING E-001 FOR ADDITIONAL INFORMATION.
2. NON EMERGENCY LIGHTING FIXTURES IN RESIDENTIAL CORRIDORS SHALL BE CONTROLLED VIA OCCUPANCY SENSORS. EMERGENCY LIGHTS AND ELEVATOR LOBBY LIGHTS SHALL REMAIN ON 24/7.

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PROJECT NAME

MERRITT 7
BUILDING 101

101 MERRITT 7
NORWALK, CT 06851

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DATE: 09/03/2025 SCALE: AS NOTED

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ELECTRICAL FOURTH - EIGHT FLOOR LIGHTING PLAN

DRAWING NO.

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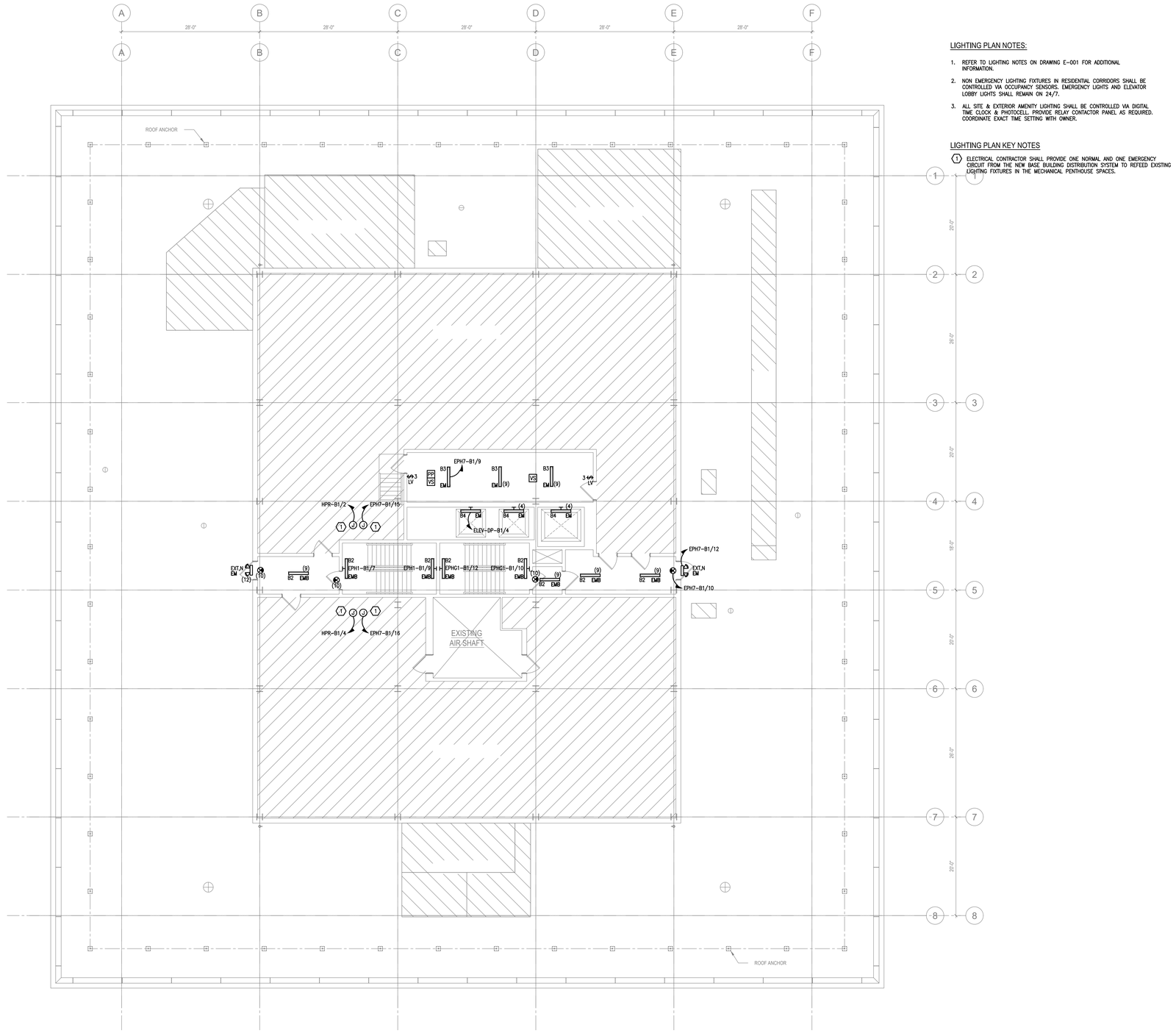

ELECTRICAL ROOF LIGHTING PLAN
SCALE: 1/8"=1'-0"

LIGHTING PLAN NOTES:

1. REFER TO LIGHTING NOTES ON DRAWING E-001 FOR ADDITIONAL INFORMATION.
2. NON EMERGENCY LIGHTING FIXTURES IN RESIDENTIAL CORRIDORS SHALL BE CONTROLLED VIA OCCUPANCY SENSORS. EMERGENCY LIGHTS AND ELEVATOR LOBBY LIGHTS SHALL REMAIN ON 24/7.
3. ALL SITE & EXTERIOR AMENITY LIGHTING SHALL BE CONTROLLED VIA DIGITAL TIME CLOCK & PHOTOCELL. PROVIDE RELAY CONTACTOR PANEL AS REQUIRED. COORDINATE EXACT TIME SETTING WITH OWNER.

LIGHTING PLAN KEY NOTES

(1) ELECTRICAL CONTRACTOR SHALL PROVIDE ONE NORMAL AND ONE EMERGENCY CIRCUIT FROM THE NEW BASE BUILDING DISTRIBUTION SYSTEM TO REFEED EXISTING LIGHTING FIXTURES IN THE MECHANICAL PENTHOUSE SPACES.

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06/26/2026

PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595
DRAWN BY: - PROJ. MANAGER: PC
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DRAWING TITLE
ELECTRICAL ROOF LIGHTING PLAN

DRAWING NO.
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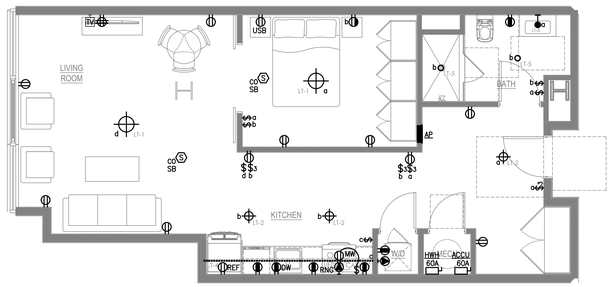

ELECTRICAL STUDIO UNIT: TYPE 1

SCALE: 1/4"=1'-0"

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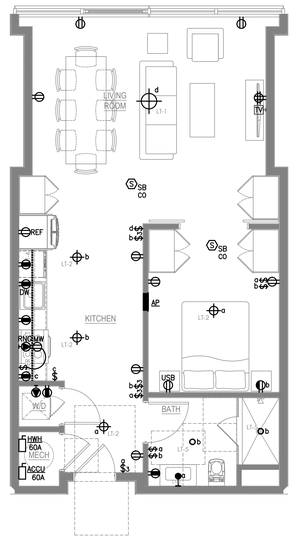
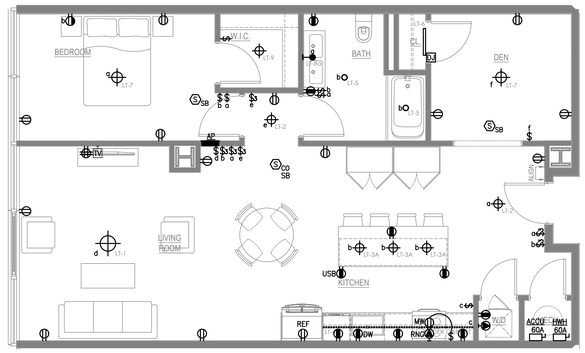


ELECTRICAL STUDIO UNIT: TYPE 2

SCALE: 1/4"=1'-0"



ELECTRICAL 1-BEDROOM UNIT: TYPE 4

SCALE: 1/4"=1'-0"

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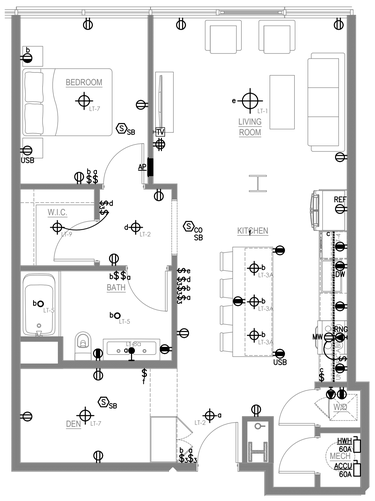
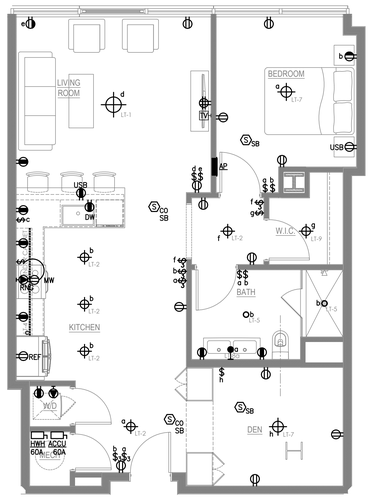


ELECTRICAL 1-BEDROOM UNIT: TYPE 5

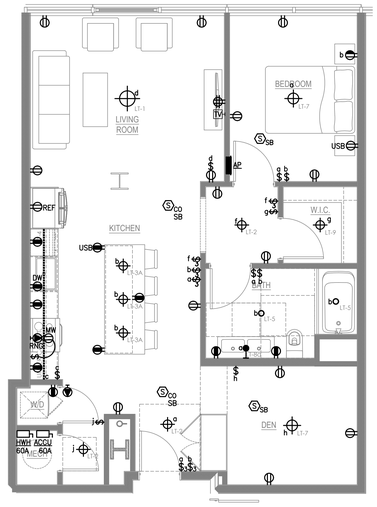
SCALE: 1/4"=1'-0"

1 BR



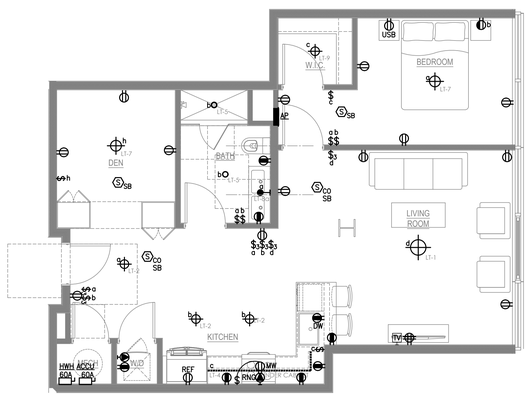
ELECTRICAL 1-BEDROOM UNIT: TYPE 6

SCALE: 1/4"=1'-0"



ELECTRICAL 1-BEDROOM UNIT: TYPE 8

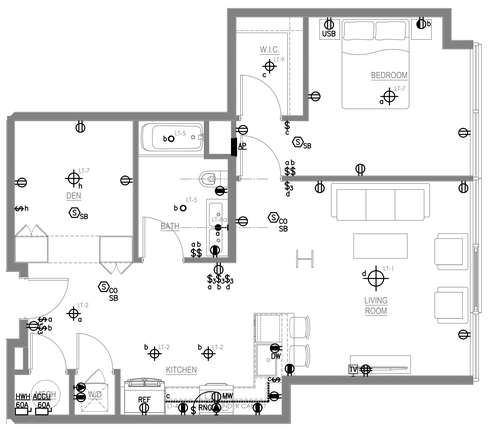
SCALE: 1/4"=1'-0"



ELECTRICAL 1-BEDROOM UNIT: TYPE 9

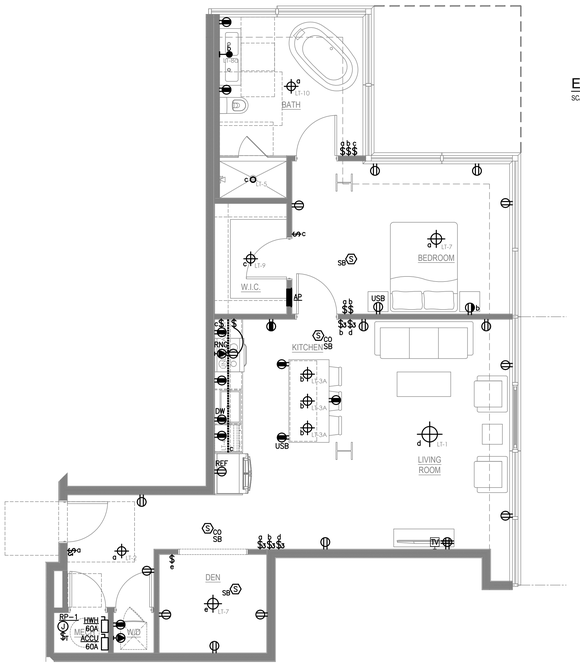
SCALE: 1/4"=1'-0"

TYPE C



ELECTRICAL 1-BEDROOM UNIT: TYPE 10

SCALE: 1/4"=1'-0"



ELECTRICAL 1-BEDROOM UNIT: TYPE 11

SCALE: 1/4"=1'-0"

UNIT PLAN NOTES:

1. ARC-FAULT CIRCUIT INTERRUPTERS (AFCI): ALL 120V BRANCH CIRCUITS SHALL BE PROVIDED WITH AN ARC FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER, FOR ALL LOCATIONS IDENTIFIED IN, AND IN ACCORDANCE WITH NEC 210.12.
2. GROUND-FAULT CIRCUIT INTERRUPTERS (GFCI): ALL 120V AND 208V RECEPTACLES SUPPLIED BY 120V OR 208V BRANCH CIRCUITS SHALL BE PROVIDED WITH GFCI PROTECTION FOR ALL LOCATIONS IDENTIFIED IN, AND INSTALLED IN ACCORDANCE WITH NEC 210.8(A). WHERE GFCI TYPE RECEPTACLES ARE NOT READILY ACCESSIBLE, GFCI TYPE CIRCUIT BREAKERS SHALL BE USED. PROVIDE COMBINATION TYPE AFCI/GFCI TYPE BREAKERS, AS REQUIRED.
3. ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE.
4. UNIT LOAD CENTERS SHALL BE MOUNTED SUCH THAT THE HEIGHT OF TALLEST CIRCUIT BREAKER IS 48"H MAXIMUM.
5. ELECTRICAL DEVICE HEIGHTS SHALL COMPLY WITH ADA REQUIREMENTS, COORDINATE WITH ARCHITECT FOR EXACT HEIGHTS AND LOCATIONS:
   -16" AFF MINIMUM TO BOTTOM OF RECEPTACLE
   -47" AFF MAXIMUM TO TOP OF SWITCH
   -46" AFF MAXIMUM TO TOP OF COUNTERTOP RECEPTACLES & SWITCHES.
6. PROVIDE (1) CAT-6 TO ALL 'TV' OUTLETS NOTED ON PLANS.
7. FIRE ALARM SYSTEM CAPABILITY TO SUPPORT HEARING-IMPAIRED TENANTS: THE FIRE ALARM SYSTEM SHALL BE PROVIDED WITH NOT LESS THAN 5% SPARE POWER SUPPLY AND CIRCUIT CAPACITY FOR FUTURE VISIBLE ALARM NOTIFICATION APPLIANCES. FOR HIGH-RISE VOICE EVACUATION SYSTEMS, PROVIDE A SPARE 2-WIRE STROBE NAC CIRCUIT FROM THE FIRE ALARM CONTROL PANEL, TERMINATED IN A FIRE ALARM SYSTEM TERMINATION BOX LOCATED IN THE CORE ELECTRICAL CLOSET ON EACH FLOOR. THE TERMINATION BOX SHALL BE CLEARLY LABELED "FUTURE STROBE CIRCUIT." FIRE ALARM SHOP DRAWINGS PREPARED BY THE FIRE ALARM CONTRACTOR SHALL INCLUDE DOCUMENTATION OF POWER SUPPLY LOADING, SPARE CAPACITY, AND CIRCUIT ROUTING TO ACCOMMODATE FUTURE INSTALLATION OF VISIBLE NOTIFICATION APPLIANCES.
8. PROVIDE (1) 2" EMPTY FLEXIBLE NON-METALLIC CONDUIT WITH THREE (3) DRAG LINES FROM EACH NID PANEL TO TELECOM CLOSET SERVING THAT UNIT. COORDINATE WITH TELECOM VENDOR. NID PANELS SHALL BE PRIMEX #P4200, OR SIMILAR. PROVIDE 4-PORT RJ-45 CONNECTOR AND TERMINATE ALL CAT-6 FROM APARTMENT DEVICES IN NID BOX.
9. FOR UNITS WITH EXPOSED CEILINGS, ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CIRCUITS (POWER, LIGHTING, FIRE ALARM, LOW VOLTAGE, ETC.) IN EMT CONDUIT. COORDINATE WITH ARCHITECTURAL DRAWINGS. CONDUITS SHALL BE INSTALLED AT RIGHT ANGLES ONLY.
10. ALL BACK BOXES IN DEMISING WALLS BETWEEN RESIDENTIAL UNITS SHALL BE SEPARATED BY AT LEAST 24" OR ONE FULL STUD SPACE. SEAL ALL BACK BOXES IN DEMISING AND UNIT CORRIDOR PARTITIONS WITH FIRE-RATED PUTTY PADS.
11. ELECTRICAL CONTRACTOR SHALL PROVIDE A HARDWIRED ELECTRIC DOOR BELL PUSH BUTTON. DOOR BELL CHIME, AND ASSOCIATED TRANSFORMER FOR ACCESSIBLE UNITS. THE PUSH BUTTON SHALL BE INSTALLED ON THE PUBLIC CORRIDOR SIDE OF THE UNIT'S ENTRANCE. ACTIVATION OF THE BUTTON SHALL INITIATE THE DOOR BELL CHIME WITHIN THE UNIT. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ACCESSIBLE UNITS.
12. PROVIDE CLOCK TYPE DUPLEX RECESSED RECEPTACLE IN CABINET ABOVE RANGE HOOD IN TYPE 'A' UNITS OR COMBINATION RANGE HOOD/MICROWAVE IN TYPE 'B' UNITS. PROVIDE SWITCH AT COUNTERTOP, AS INDICATED, TO CONTROL RANGE HOODS. SWITCH SHALL BE IN GANGED BACK BOX WITH THE COUNTERTOP RECEPTACLES DIRECTLY ADJACENT TO THE RANGE. WHERE FEASIBLE, COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL DRAWINGS.
13. WHERE RECEPTACLES CANNOT BE INSTALLED ON WALLS AS SHOWN DUE TO STUDS, WINDOWS, ETC. PROVIDE A FLOOR RECEPTACLE WITHIN 18" OF THE WALL.
14. LIGHTING CONTROL SWITCH AND SWITCHED OUTLET ZONES ARE INDICATED BY "Z1", "Z2", ETC. ON A ROOM BY ROOM BASIS. COORDINATE EXACT LOCATIONS OF LIGHTING SWITCHES WITH ARCHITECTURAL DRAWINGS, ARCHITECT, AND OWNER IN FIELD.
15. IS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL DEVICES AND CIRCUITING IN RESIDENTIAL APARTMENT UNITS IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE NEC. WHERE DEVIATIONS BETWEEN THE NEC AND THESE DOCUMENTS EXIST, THE MORE STRINGENT CONDITION SHALL PREVAIL.

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REVISIONS

#	DATE	REVISION DESCRIPTION	BY:
.	03/25/2026	85% CD	--
.	06/26/2026	100% CONSTRUCTION DOCUMENTS	--
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PHASE

PERMIT SET

NOT FOR CONSTRUCTION
06/26/2026

PROJECT NAME

MERRITT 7
BUILDING 101

101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595

DRAWN BY: - PROJ. MANAGER: PC

DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE

ELECTRICAL UNIT PLANS

DRAWING NO.

E-301

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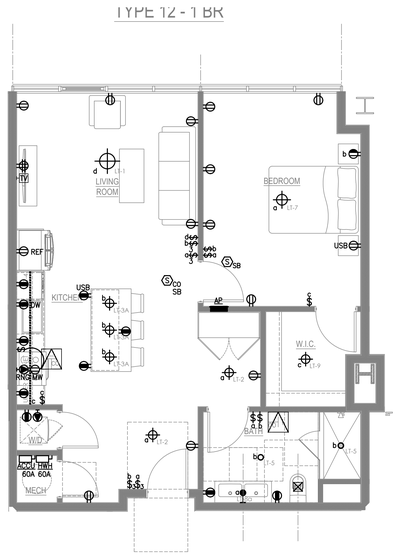
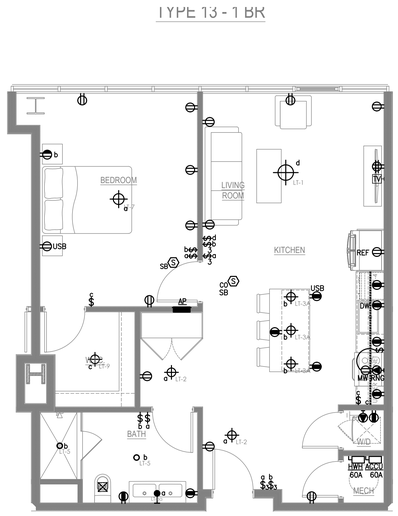


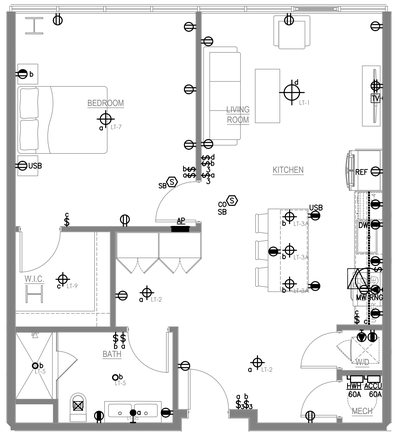
ELECTRICAL 1-BEDROOM UNIT: TYPE 12

SCALE: 1/4"=1'-0"



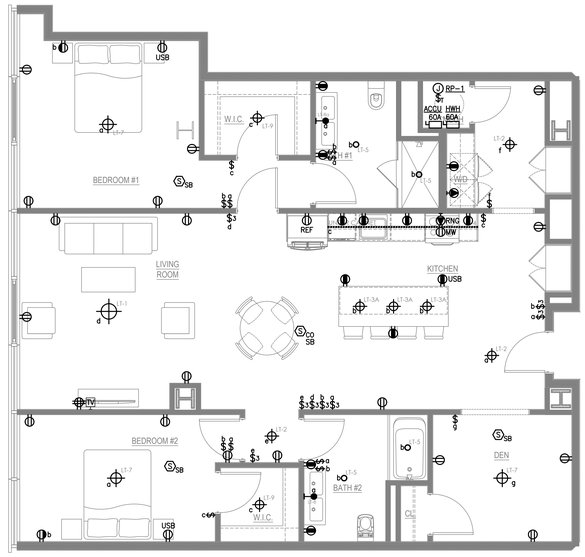
ELECTRICAL 1-BEDROOM UNIT: TYPE 13

SCALE: 1/4"=1'-0"



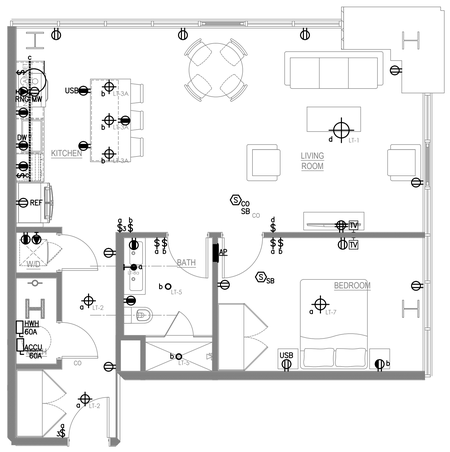
ELECTRICAL 1-BEDROOM UNIT: TYPE 14

SCALE: 1/4"=1'-0"



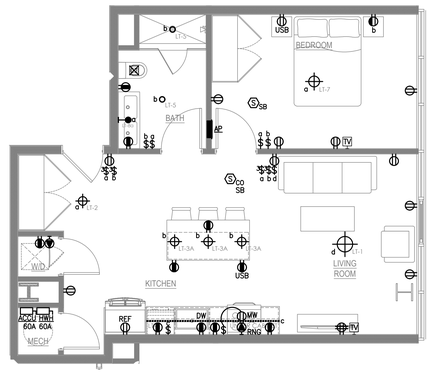
ELECTRICAL 2-BEDROOM UNIT: TYPE 23

SCALE: 1/4"=1'-0"



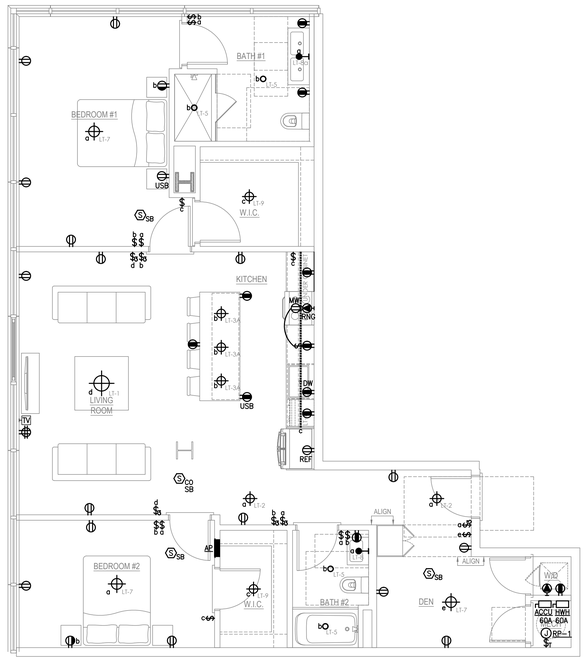
ELECTRICAL 1-BEDROOM UNIT: TYPE 15

SCALE: 1/4"=1'-0"



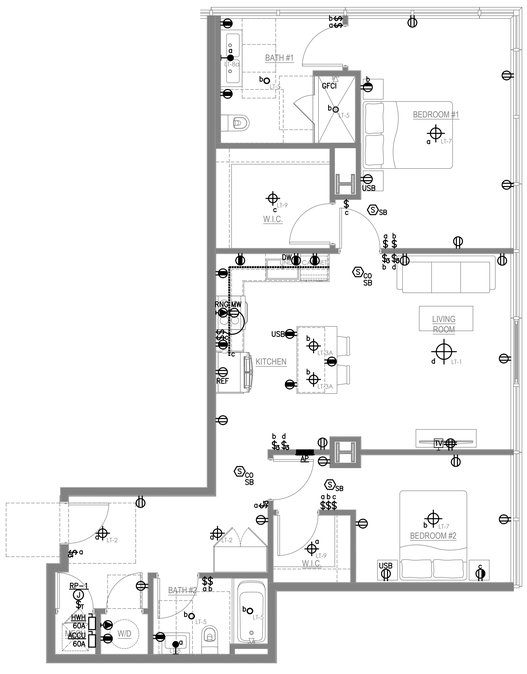
ELECTRICAL 1-BEDROOM UNIT: TYPE 16

SCALE: 1/4"=1'-0"



ELECTRICAL 2-BEDROOM UNIT: TYPE 17

SCALE: 1/4"=1'-0"



ELECTRICAL 2-BEDROOM UNIT: TYPE 18

SCALE: 1/4"=1'-0"

UNIT PLAN NOTES:

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   -15" AFF MINIMUM TO BOTTOM OF RECEPTACLE
   -47" AFF MAXIMUM TO TOP OF SWITCH
   -46" AFF MAXIMUM TO TOP OF COUNTERTOP RECEPTACLES & SWITCHES.
6. PROVIDE (1) CAT-6 TO ALL 'TV' OUTLETS NOTED ON PLANS.
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8. PROVIDE (1) 2" EMPTY FLEXIBLE NON-METALLIC CONDUIT WITH THREE (3) DRAG LINES FROM EACH NID PANEL TO TELECOM CLOSET SERVING THAT UNIT. COORDINATE WITH TELECOM VENDOR. NID PANELS SHALL BE PRIMEX #P200, OR SIMILAR. PROVIDE 4 PORT RJ-45 CONNECTOR AND TERMINATE ALL CAT-6 FROM APARTMENT DEVICES IN NID BOX.
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11. ELECTRICAL CONTRACTOR SHALL PROVIDE A HARDWIRED ELECTRIC DOOR BELL PUSH BUTTON, DOOR BELL CHIME, AND ASSOCIATED TRANSFORMER FOR ACCESSIBLE UNITS. THE PUSH BUTTON SHALL BE INSTALLED ON THE PUBLIC CORRIDOR SIDE OF THE UNIT'S ENTRANCE. ACTIVATION OF THE BUTTON SHALL INITIATE THE DOOR BELL CHIME WITHIN THE UNIT. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ACCESSIBLE UNITS.
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TYDE 1Q

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REVISIONS

#	DATE	REVISION DESCRIPTION	BY:
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.	06/26/2026	100% CONSTRUCTION DOCUMENTS	--
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PERMIT SET

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06/26/2026

PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL UNIT PLANS

DRAWING NO.
E-302

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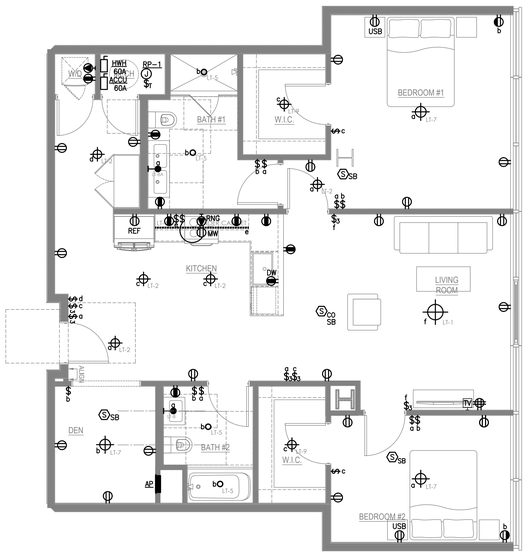
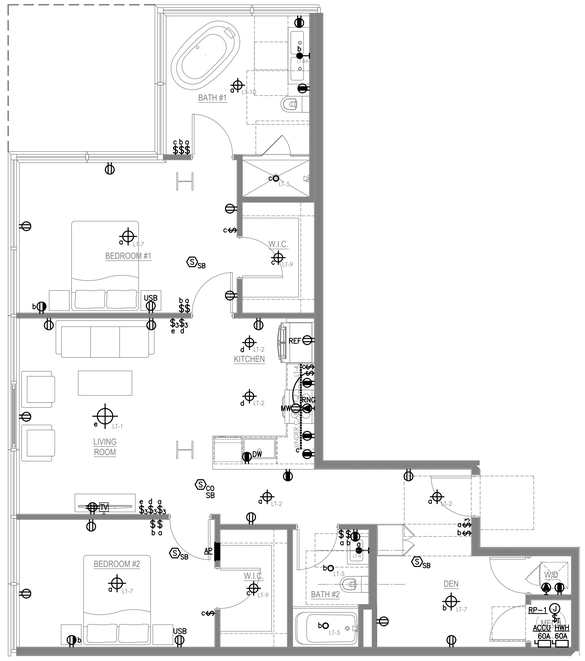
Jul 24, 2026 - 3:19:03 PM | Merritt 7 | 191502595 | Granoff Architects | 330 RAILROAD AVENUE, GREENWICH, CT 06830 | 203.625.9460 | WWW.GRANOFFARCHITECTS.COM



TYPE 19

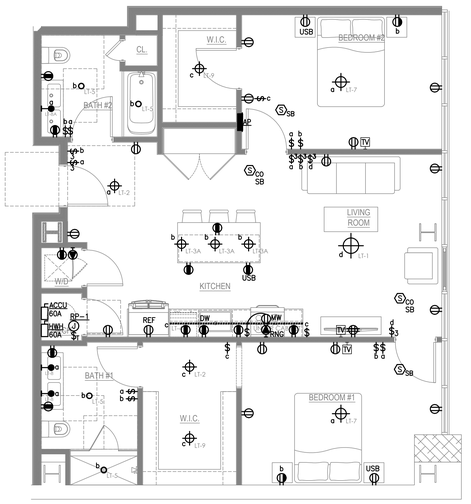
ELECTRICAL 2-BEDROOM UNIT: TYPE 19

SCALE: 1/4"=1'-0"



ELECTRICAL 2-BEDROOM UNIT: TYPE 21

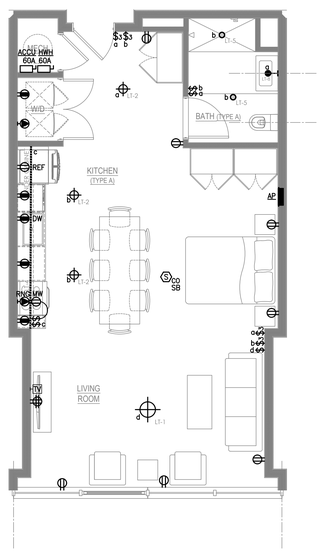
SCALE: 1/4"=1'-0"



TYPE 22 - 2 BR

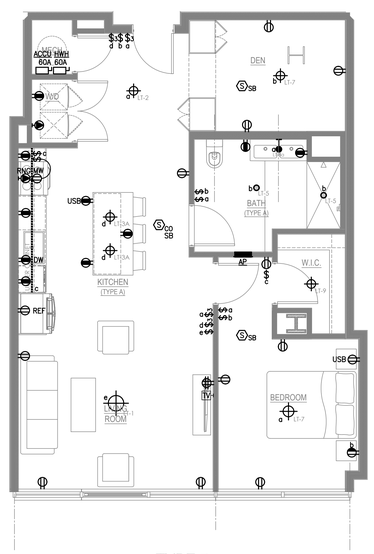
ELECTRICAL 2-BEDROOM UNIT: TYPE 22

SCALE: 1/4"=1'-0"



ELECTRICAL 0-BEDROOM UNIT: TYPE 3 - ADA

SCALE: 1/4"=1'-0"

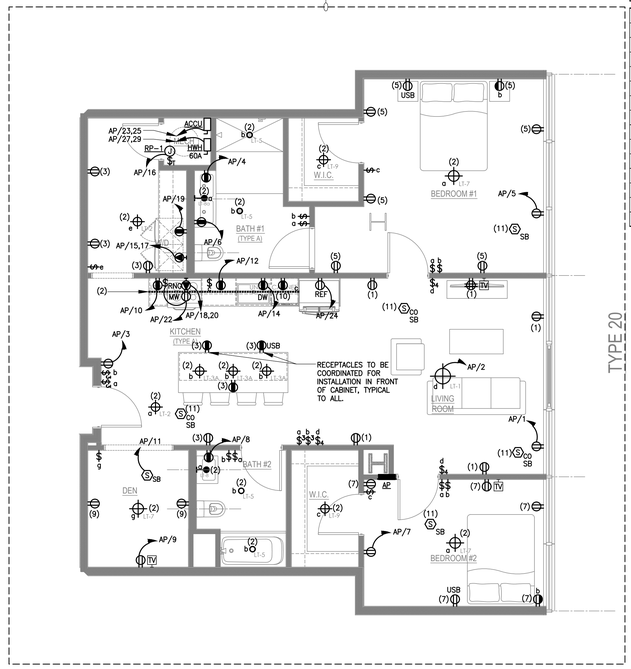


TYPE 7

ELECTRICAL 1-BEDROOM UNIT: TYPE 7 - ADA

SCALE: 1/4"=1'-0"

TYPICAL APARTMENT UNIT CIRCUITING, APPLICABLE TO ALL UNITS, ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT CIRCUITING IN FIELD BASED ON NEC REQUIREMENTS, REFER TO TYPICAL APARTMENT UNIT LOAD CENTER PANEL SCHEDULE ON SHEET



TYPE 20

ELECTRICAL 2-BEDROOM UNIT: TYPE 20 - ADA

SCALE: 1/4"=1'-0"

PANEL DESIGNATION : AP

VOLTAGE	120/208 V	NEUTRAL	100%	QUANTITY OF POLES	30
PHASE	1 Ø	SCC RATING (SYM)	10 K.A.I.C.	MAIN LUGS ONLY	N/A
WIRE	3 W + G			MAIN BUS	150 A
FLUSH MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
N/A					

REMARKS : PROVIDE SURGE PROTECTIVE DEVICE (SPD).

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	20A	LIVING ROOM REC. - *A	1580		LIGHTING - *A	20A	2
3	20A	ENTRY/CORRIDOR REC. - *A		900	BATHROOM REC.	20A	4
5	20A	PRIMARY BEDROOM REC. - *A	1440		BATHROOM REC.	20A	6
7	20A	SECOND BEDROOM REC. - *A		1260	BATHROOM REC.	20A	8
9	20A	THIRD BEDROOM REC - *A	1880		KITCHEN SMALL APPLIANCE REC. - *A	20A	10
11	20A	SMOKE DETECTOR - *A		900	KITCHEN SMALL APPLIANCE REC. - *A	20A	12
13	20A	COMM. PANEL QUAD REC. - *A	1212		DISHWASHER REC. - *A	20A	14
15				1330	RE-CIRC PUMP	20A	16
17	20A	CLOTHES DRYER REC. *G	2935		RANGE - *G	40A	18
19	20A	LAUNDRY REC. - *A/G		2905	(3)#8 + (1)#10 IN 3/4"C		20
21	20A	SPARE	1000		MICROWAVE REC. - *A/G	20A	22
23	40A	ACCU/SUPP		5800	REFRIGERATOR REC. - *A/G	20A	24
25		(2)#8 + (1)#10GND IN 1"C	4000		SPARE	20A	26
27	40A	WATER HEATER		3000	SPD	30A	28
29		(2)#8 + (1)#10G IN 3/4"C	3000				30
TOTAL CONNECTED LOAD PER PHASE			17.05	16.10	NOTES: REFER TO MECH EQUIPMENT SCHEDULES FOR ACCU-# OCPD SIZES: *G: DENOTES GFCI CB/ GFEPD - GROUND FAULT CB *A: DENOTES A FCI CIRCUIT BREAKER		
TOTAL CONNECTED LOAD			33.14 KVA	159.3 A			
TOTAL DEMAND LOAD			23.08 KVA	111.0 A			

UNIT PLAN NOTES:

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9. FOR UNITS WITH EXPOSED CEILINGS, ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CIRCUITS (POWER, LIGHTING, FIRE ALARM, LOW VOLTAGE, ETC.) IN EMT CONDUIT. COORDINATE WITH ARCHITECTURAL DRAWINGS. CONDUITS SHALL BE INSTALLED AT RIGHT ANGLES ONLY.
10. ALL BACK BOXES IN DEMISING WALLS BETWEEN RESIDENTIAL UNITS SHALL BE SEPARATED BY AT LEAST 24" OR ONE FULL STUD SPACE. SEAL ALL BACK BOXES IN DEMISING AND UNIT CORRIDOR PARTITIONS WITH FIRE-RATED PUTTY PADS.
11. ELECTRICAL CONTRACTOR SHALL PROVIDE A HARDWIRED ELECTRIC DOOR BELL PUSH BUTTON, DOOR BELL CHIME, AND ASSOCIATED TRANSFORMER FOR ACCESSIBLE UNITS. THE PUSH BUTTON SHALL BE INSTALLED ON THE PUBLIC CORRIDOR SIDE OF THE UNIT'S ENTRANCE. ACTIVATION OF THE BUTTON SHALL INITIATE THE DOOR BELL CHIME WITHIN THE UNIT. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ACCESSIBLE UNITS.
12. PROVIDE CLOCK TYPE DUPLEX RECESSED RECEPTACLE IN CABINET ABOVE RANGE HOOD IN TYPE 'A' UNITS OR COMBINATION RANGE HOOD/MICROWAVE IN TYPE 'B' UNITS. PROVIDE SWITCH AT COUNTERTOP, AS INDICATED, TO CONTROL RANGE HOODS. SWITCH SHALL BE IN GANGED BACK BOX WITH THE COUNTERTOP RECEPTACLES DIRECTLY ADJACENT TO THE RANGE, WHERE FEASIBLE. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL DRAWINGS.
13. WHERE RECEPTACLES CANNOT BE INSTALLED ON WALLS AS SHOWN DUE TO STUDS, WINDOWS, ETC. PROVIDE A FLOOR RECEPTACLE WITHIN 18" OF THE WALL.
14. LIGHTING CONTROL SWITCH AND SWITCHED OUTLET ZONES ARE INDICATED BY "Z1", "Z2", ETC. ON A ROOM BY ROOM BASIS. COORDINATE EXACT LOCATIONS OF LIGHTING SWITCHES WITH ARCHITECTURAL DRAWINGS, ARCHITECT, AND OWNER IN FIELD.
15. IS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL DEVICES AND CIRCUITING IN RESIDENTIAL APARTMENT UNITS IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE NEC. WHERE DEVIATIONS BETWEEN THE NEC AND THESE DOCUMENTS EXIST, THE MORE STRINGENT CONDITION SHALL PREVAIL.

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-	03/25/2026	85% CD	--
-	06/26/2026	100% CONSTRUCTION DOCUMENTS	--
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-	-	-	-

PHASE

PERMIT SET

NOT FOR CONSTRUCTION
06/26/2026

PROJECT NAME

MERRITT 7
BUILDING 101

101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595

DRAWN BY: - PROJ. MANAGER: PC

DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE

ELECTRICAL UNIT PLANS

DRAWING NO.

E-303

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Plot: 9/3/2025 11:09:00 AM
Plotted By: Kelsey Kelly
Last Saved By: kkelly
Last Saved: 9/3/2025 11:08:59 AM
Drawing Name: E-303 ELECTRICAL UNIT PLANS.dwg

FEEDER SCHEDULE
3Ø, 4W (ALUMINUM, U.O.N.)

TAG	FEEDER SIZES	RATING
A	(4) #8 & (1) #8 GRD – 1 1/4"C	40A
B	(4) #6 & (1) #8 GRD – 1 1/4"C	50A
C	(4) #4 & (1) #6 GRD – 1 1/2"C	65A
D	(4) #3 & (1) #6 GRD – 1 1/2"C	75A
E	(4) #2 & (1) #6 GRD – 2"C	90A
F	(4) #1 & (1) #6 GRD – 2"C	100A
G	(4) #1/0 & (1) #4 GRD – 2 1/2"C	120A
H	(4) #2/0 & (1) #4 GRD – 2 1/2"C	135A
I	(4) #3/0 & (1) #4 GRD – 2 1/2"C	155A
J	(4) #4/0 & (1) #4 GRD – 3"C	180A
K	(4) #250 & (1) #4 GRD – 3"C	205A
L	(4) #300 & (1) #2 GRD – 4"C	230A
M	(4) #350 & (1) #2 GRD – 4"C	250A
N	(4) #400 & (1) #2 GRD – 4"C	270A
O	(4) #500 & (1) #2 GRD – 4"C	310A
P	(4) #600 & (1) #1 GRD – 4"C	340A
Q	2 SETS (4) #4/0 & (1) #1 GRD – 3"C	360A
R	2 SETS (4) #250 & (1) #1 GRD – 3"C	410A
S	2 SETS (4) #300 & (1) #1/0 GRD – 4"C	460A
T	2 SETS (4) #350 & (1) #1/0 GRD – 4"C	500A
U	2 SETS (4) #400 & (1) #2/0 GRD – 4"C	540A
V	2 SETS (4) #500 & (1) #2/0 GRD – 4"C	620A
W	2 SETS (4) #600 & (1) #3/0 GRD – 4"C	680A
X	3 SETS (4) #300 & (1) #3/0 GRD – 4"C	690A
Y	3 SETS (4) #350 & (1) #3/0 GRD – 4"C	750A
Z	3 SETS (4) #400 & (1) #3/0 GRD – 4"C	810A
AA	3 SETS (4) #500 & (1) #4/0 GRD – 4"C	930A
AB	3 SETS (4) #600 & (1) #250 GRD – 4"C	1020A
BB	4 SETS (4) #500 & (1) #250 GRD – 4"C	1240A
CC	4 SETS (4) #600 & (1) #350 GRD – 4"C	1360A
DD	5 SETS (4) #600 & (1) #350 GRD – 4"C	1700A
EE	6 SETS (4) #600 & (1) #400 GRD – 4"C	2040A
FF	6 SETS (4) #750 & (1) #600 GRD – 4"C	2310A
GG	8 SETS (4) #600 & (1) #600 GRD – 4"C	2720A
HH	9 SETS (4) #600 & (1) #600 GRD – 4"C	3060A
II	9 SETS (4) #750 & (1) #600 GRD – 4"C	3465A
JJ	12 SETS (4) #600 & (1) #600 GRD – 4"C	4080A
KK	13 SETS (4) #750 & (1) #600 GRD – 4"C	5005A
CU	COPPER FEEDER, REFER TO COPPER FEEDER SCHEDULE	
VD	INCREASED FEEDER SIZE DUE TO VOLTAGE DROP	
CE	FEEDER ENCASED MIN. 2" CONCRETE	
US	CONDUIT RUN OUTSIDE OF BUILDING UNDER SLAB	
2HR	2 HOUR RATED CABLE. OMNICABLE UTILITY OR SIMILAR	

FEEDER SCHEDULE
3Ø, 4W (COPPER, FOR LIFE SAFETY FEEDERS)

TAG	FEEDER SIZES	RATING
A CU	(4) #6 & (1) #8 GRD – 1 1/4"C	65A
B CU	(4) #4 & (1) #8 GRD – 1 1/4"C	85A
C CU	(4) #3 & (1) #8 GRD – 1 1/2"C	100A
D CU	(4) #2 & (1) #6 GRD – 1 1/2"C	115A
E CU	(4) #1 & (1) #6 GRD – 2"C	130A
F CU	(4) #1/0 & (1) #6 GRD – 2"C	150A
G CU	(4) #2/0 & (1) #6 GRD – 2 1/2"C	175A
H CU	(4) #3/0 & (1) #6 GRD – 2 1/2"C	200A
I CU	(4) #4/0 & (1) #4 GRD – 2 1/2"C	230A
J CU	(4) #250 & (1) #4 GRD – 3"C	255A
K CU	(4) #300 & (1) #4 GRD – 3"C	285A
L CU	(4) #350 & (1) #4 GRD – 4"C	310A
M CU	(4) #400 & (1) #3 GRD – 4"C	335A
N CU	(4) #500 & (1) #3 GRD – 4"C	380A
O CU	(4) #600 & (1) #3 GRD – 4"C	420A
2HR	2 HOUR RATED CABLE. OMNICABLE UTILITY OR SIMILAR	

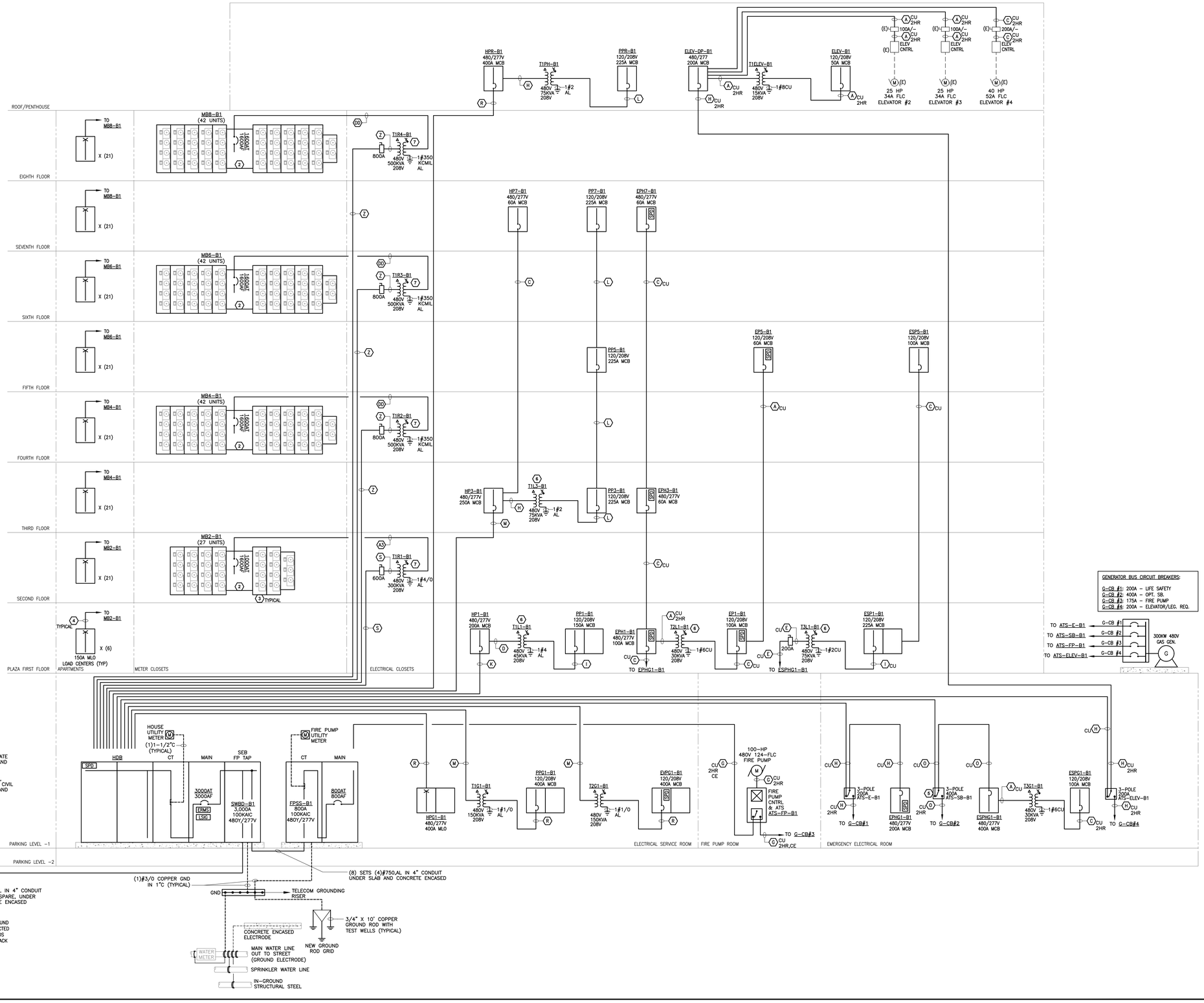
POWER RISER GENERAL NOTES:

1. ALL ELECTRICAL PANELS TO BE PROVIDED WITH COPPER BUSING AND LOADS TO BE PHASE BALANCED.
2. ALL ELECTRICAL FEEDERS TO BE ALUMINUM UNLESS OTHERWISE NOTED BY SUBSCRIPT "CU", AND ALL BRANCH CIRCUITING SHALL BE COPPER.
3. ALL ELECTRICAL FEEDERS RUNNING UNDER DRIVEWAY OR ROADWAY SHALL BE MIN. 3" CONCRETE ENCASED.
4. ELECTRICAL CONTRACTOR SHALL ENGAGE LOCAL UTILITY CO. AND REFER TO APPLICABLE UTILITY CO. SPECIFICATIONS AND DETAILS TO COORDINATE AND PROVIDE ALL REQUIREMENTS FOR ELECTRICAL SERVICE.
5. ELECTRICAL CONTRACTOR SHALL ISSUE METERING EQUIPMENT SHOP DRAWINGS TO LOCAL UTILITY CO. FOR APPROVAL PRIOR TO ORDERING ANY EQUIPMENT. COORDINATE AVAILABLE FAULT CURRENT AT POINT OF SERVICE TERMINATION WITH UTILITY CO.
6. FEEDERS MARKED "VD" HAVE BEEN INCREASED IN SIZE TO ACCOUNT FOR VOLTAGE DROP BASED ON DESIGNED ROUTING. ELECTRICAL CONTRACTOR SHALL VERIFY VOLTAGE DROP ON FEEDERS BASED ON EXACT ROUTING OF FEEDER CHOSEN IN FIELD. VOLTAGE DROP SHALL NOT EXCEED 5% IN TOTAL FROM THE UTILITY TRANSFORMER TO THE FINAL LOAD, INCLUDING A MAXIMUM OF 3% FOR ANY FEEDER AND 2% FOR ANY BRANCH CIRCUIT.
7. ALL EMERGENCY/LIFE-SAFETY FEEDERS, STAIR PRESSURIZATION FAN FEEDERS, ELEVATOR, AND FIRE PUMP FEEDERS SHALL BE 2-HR RATED COPPER CABLE, UON.
8. PROVIDE CABLE SUPPORTS FOR ALL VERTICAL RISERS PER NEC TABLE 300.19(A).
9. PROVIDE PULL BOXES AS REQUIRED, SIZED PER NEC. SEPARATE PULL BOXES SHALL BE PROVIDED FOR NORMAL AND EMERGENCY FEEDERS. PULL BOXES INSTALLED IN THE GARAGE SHALL BE STAINLESS STEEL.
10. ELECTRICAL CONTRACTOR SHALL PROVIDE (6)#14 CONTROL WIRE IN 1-1/2"C FOR CONTROL BETWEEN THE GENERATOR AND EACH ATS. COORDINATE EXACT REQUIREMENTS WITH MANUFACTURER.
11. ELECTRICAL CONTRACTOR SHALL PROVIDE A GENERATOR ANNUNCIATOR PANEL WITH PROVISIONS TO MONITOR AND CONTROL THE GENERATOR AND ALL AUTOMATIC TRANSFER SWITCHES. PROVIDE CONDUIT AND WIRING AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH GENERATOR MANUFACTURER. GENERATOR ANNUNCIATOR PANEL SHALL BE LOCATED IN THE FIRE COMMAND CENTER.
12. THE GENERATOR IS SIZED TO ACCOMMODATE ONE (1) ELEVATOR RUNNING, THE GENERAL CONTRACTOR AND ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE ELEVATOR MANUFACTURER TO PROVIDE SELECTOR SWITCH, AS REQUIRED. PROVIDE CONDUIT AND WIRING AS REQUIRED, COORDINATE WITH ELEVATOR VENDOR FOR EXACT INSTALLATION REQUIREMENTS.
13. ELEVATOR DISCONNECTS SHALL BE PROVIDED WITH A SET OF DRY CONTACTS FOR CONNECTION WITH THE ELEVATOR MOTOR CONTROLLER, PROVIDE WIRING AND CONDUIT AS REQUIRED.
14. ELECTRICAL CONTRACTOR SHALL PROVIDE THE APPROPRIATE QUANTITY/SIZE OF LUGS IN PANELBOARDS, SWITCHBOARDS, AND METER BANKS, INCLUDING CIRCUIT BREAKER FRAME SIZES, TO ACCOMMODATE THE QUANTITY/SIZE OF CONDUCTORS TO BE TERMINATED. IF UPSIZED LUGS ARE NOT AVAILABLE, THEN PROVIDE SUITABLE COMPRESSION TYPE CABLE REDUCERS WITH ASSOCIATED SPLICE BOXES, PIN ADAPTERS, OR LISTED OTHER MEANS.
15. ELECTRICAL CONTRACTOR SHALL PROVIDE BUSSED CORNER SECTIONS FOR METER BANKS AS REQUIRED. REFER TO FLOOR PLANS FOR LOCATIONS.
16. INDIVIDUAL BARRIERS, SEALS, AND BARREL LOCKS BETWEEN METER POSITIONS ARE REQUIRED IN METER BANKS.
17. ELECTRICAL CONTRACTOR SHALL PROVIDE MOUNTING AND SUPPORT FOR PANELBOARDS, AS REQUIRED.
18. THE ELECTRICAL DISTRIBUTION SYSTEM SHALL BE EQUIPPED TO MEASURE, MONITOR, RECORD, AND REPORT ENERGY CONSUMPTION DATA IN ACCORDANCE WITH ECC C406. ALL PANELBOARDS AND DISTRIBUTION BOARDS, EXCEPT THOSE SERVING APARTMENT UNITS, SHALL BE PROVIDED WITH SCHNEIDER ELECTRIC POWERLOGIC BCPM BRANCH CIRCUIT POWER METERING AND ASSOCIATED EXOSTRUCTURE SOFTWARE (OR APPROVED EQUAL). ALTERNATE METHODS OF COMPLYING WITH THIS REQUIREMENT WILL CONSIDERED IF PROPOSED BY ELECTRICAL CONTRACTOR, I.E. REMOTE SUB-METER SYSTEM AND BRANCH CIRCUIT CT'S.

POWER RISER KEY NOTES:

1. PROVIDE NEW 300KW NATURAL GAS FIRED EMERGENCY/STANDBY GENERATOR, BASIS OF DESIGN GENERAC #SG300:
   - 300KW NATURAL GAS
   - 480Y/277V 3Ø-4W
   - LEVEL 2 ACOUSTIC STEEL WP ENCLOSURE
   - MOUNTED ON CONCRETE PAD, BY OTHERS
2. 1600A METER CENTER MAIN TERMINAL BOX WITH A 1600A MAIN CIRCUIT BREAKER, 208Y/120V 3PH, 4W IN-FEED, AS INDICATED. BASIS OF DESIGN MODEL SQUARE D, #EZM31600GCBCMS, PER EVERSOURCE REQUIREMENTS.
3. 125A METER BRANCH, 208Y/120V 3PH, 4W IN / 120/208V 1PH, 3W OUT, RINGLESS, LEVER BYPASS, 1-, 2-, 3-, OR 4-GANG, AS INDICATED. BASIS OF DESIGN SQUARE D, #EZML31x225, PER EVERSOURCE REQUIREMENTS. PROVIDE 125A/2P TENANT CIRCUIT BREAKERS.
4. APARTMENT UNIT FEEDERS SHALL BE SER CABLE WHERE PERMITTED AND MC WHERE REQUIRED, PER NEC, SIZES PER BELOW:
   - (3)#1,AL + (1)#6,AL GND, UP TO 110'
   - (3)#1/0,AL + (1)#4,AL GND, FROM 111' TO 140'
   - (3)#2/0,AL + (1)#4,AL GND, FROM 141' TO 170'
   - (3)#3/0,AL + (1)#4,AL GND, FROM 171' TO 200'
   - (3)#4/0,AL + (1)#4,AL GND, FROM 201' TO 250'
   - (3)#3/0,CU + (1)#6,CU GND, FROM 251' TO 310'
   - (3)#4/0,CU + (1)#4,CU GND, FROM 311' TO 360'

   THE EC SHALL VERIFY EXACT FEEDER ROUTING AND LENGTH IN FIELD.
5. PROVIDE DELAYED TRANSITION AUTOMATIC TRANSFER SWITCH WITH LOAD SHED CAPABILITIES FOR CENTER/NEUTRAL OFF POSITION WITH CONTROL MODULES AS REQUIRED, SUCH THAT ATS-SB-B1 SHALL DROP THE OPTIONAL STANDBY LOADS UPON ACTIVATION OF FIRE PUMP.
6. TRANSFORMER SHALL BE TRAPEZE MOUNTED. COORDINATE ALL MOUNTING REQUIREMENTS WITH STRUCTURAL ENGINEER.
7. TRANSFORMER SHALL BE LOCATED SUCH THAT THE SECONDARY CONDUCTOR LENGTH DO NOT EXCEED 25'-0" TO BE IN COMPLIANCE WITH NEC 240.21 AND 450.



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PHASE
PERMIT SET

NOT FOR CONSTRUCTION 06/26/2026

PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 19150595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL POWER RISER DIAGRAM

DRAWING NO.
E-501

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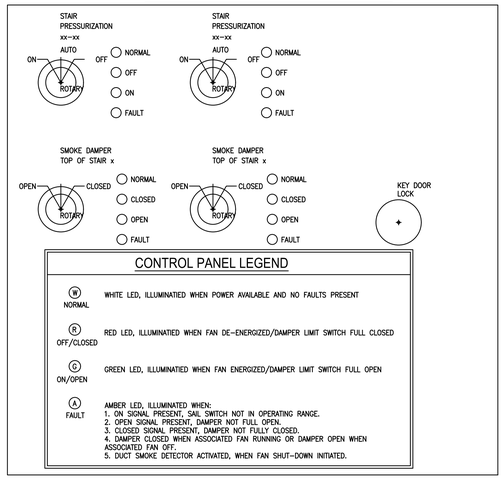
Autodesk Docs://19150595 Building Merritt 7/Merritt 7 Bldg 101_CentralModel_R24_2026.rvt

STAIR PRESSURIZATION CONTROL PANEL



CONTROL PANEL LEGEND

(W) NORMAL	WHITE LED, ILLUMINATIED WHEN POWER AVAILABLE AND NO FAULTS PRESENT
(R) OFF/CLOSED	RED LED, ILLUMINATIED WHEN FAN DE-ENERGIZED/DAMPER LIMIT SWITCH FULL CLOSED
(G) ON/OPEN	GREEN LED, ILLUMINATIED WHEN FAN ENERGIZED/DAMPER LIMIT SWITCH FULL OPEN
(A) FAULT	AMBER LED, ILLUMINATED WHEN: 1. ON SIGNAL PRESENT, SAIL SWITCH NOT IN OPERATING RANGE. 2. OPEN SIGNAL PRESENT, DAMPER NOT FULL OPEN. 3. CLOSED SIGNAL PRESENT, DAMPER NOT FULLY CLOSED. 4. DAMPER CLOSED WHEN ASSOCIATED FAN RUNNING OR DAMPER OPEN WHEN ASSOCIATED FAN OFF. 5. DUCT SMOKE DETECTOR ACTIVATED, WHEN FAN SHUT-DOWN INITIATED.

FIRE ALARM - PATHWAY SURVIVABILITY REQUIREMENTS

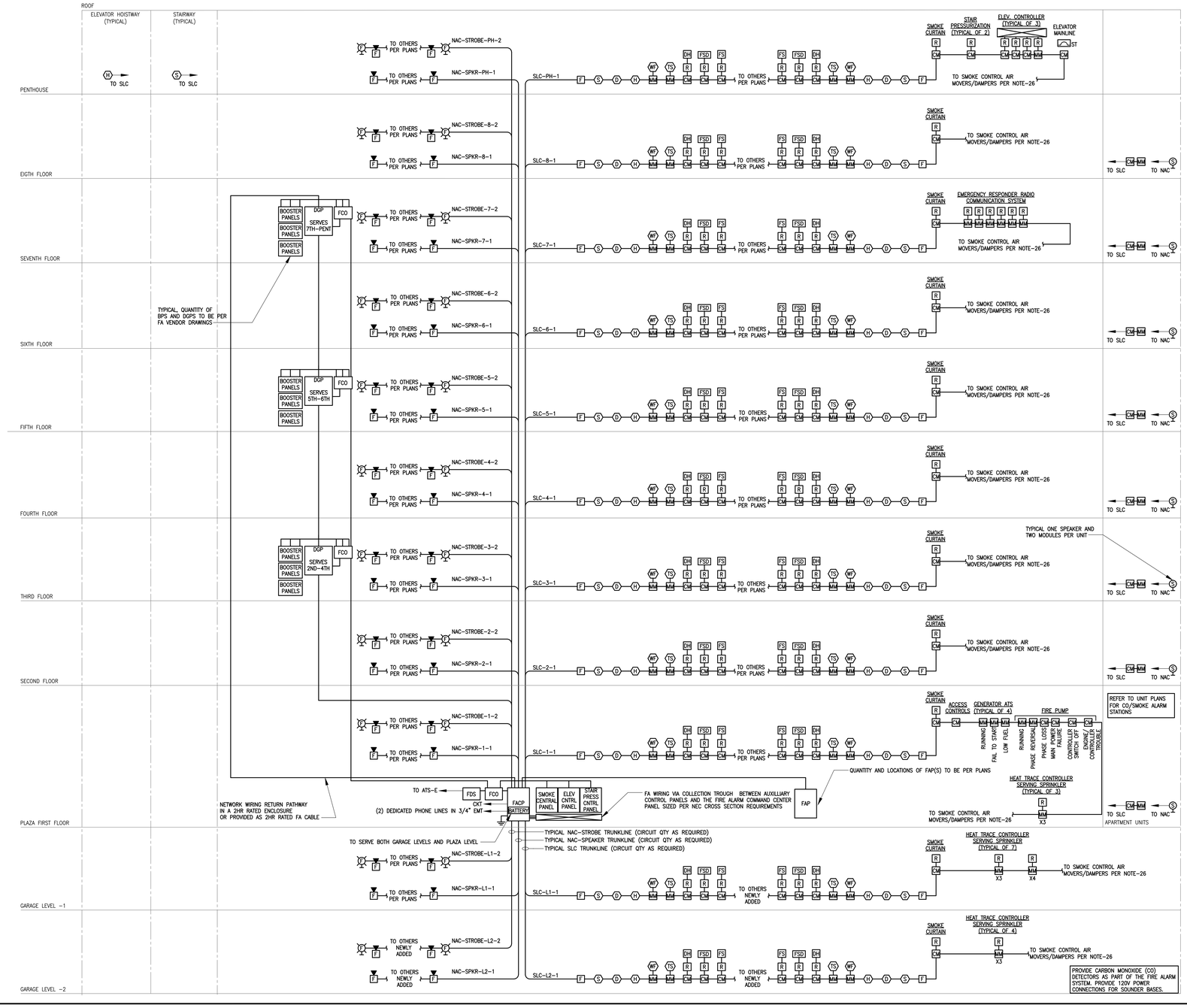
TYPE OF CIRCUIT	CLASS	STYLE	PATHWAY SURVIVABILITY	NOTES
NETWORK RISERS	X	7	LOW RISE (TEMPORAL 3 GENERAL EVACUATION) : LEVEL 0	LEVEL 0 IS CONSIDERED LEVEL 1 IF THE BUILDING IS FULLY SPRINKLERED
			HIGH RISE / PARTIAL EVACUATION OUTSIDE THE EVACUATION ZONE : LEVEL 2	
			HIGH RISE / PARTIAL EVACUATION INSIDE THE EVACUATION SIGNALING ZONE : LEVEL 0	
SIGNALING LINE CIRCUITS	B	6	LEVEL 0	
INITIATING APPLIANCE CIRCUITS	B	B	LEVEL 0	
NOTIFICATION APPLIANCE CIRCUITS	B (SPLIT A/B)	Y (SPLIT A/B)	LEVEL 0	
TELEPHONE CIRCUITS	B	Y	LEVEL 2	
RADIO ARCS PATHWAYS	N/A	N/A	LEVEL 2	

PATHWAY CLASS DESIGNATIONS:

1. CLASS A :
   (a) INCLUDES A REDUNDANT PATH
   (b) MAINTAINS OPERATIONAL CAPABILITY PAST A SINGLE OPEN
   (c) ANNUNCIATES CONDITIONS THAT AFFECT THE INTENDED OPERATION OF THE PATH
2. CLASS B :
   (a) DOES NOT INCLUDE A REDUNDANT PATH
   (b) DOES NOT MAINTAIN OPERATIONAL CAPABILITY PAST A SINGLE OPEN
   (c) ANNUNCIATES CONDITIONS THAT AFFECT THE INTENDED OPERATION OF THE PATH
3. CLASS C :
   (a) INCLUDES ONE OR MORE PATHWAYS WHERE OPERATIONAL CAPABILITY IS VERIFIED VIA END-TO-END COMMUNICATION
   (b) THE INTEGRITY OF INDIVIDUAL PATHS IS NOT MONITORED
   (c) A LOSS OF END-TO-END COMMUNICATIONS IS ANNUNCIATED
4. CLASS D :
   (a) HAS FAIL-SAFE OPERATION CAPABILITY
   (b) NO FAULT IS ANNUNCIATED
   (c) INTENDED OPERATION IS PERFORMED IN THE EVENT OF A PATHWAY FAILURE
5. CLASS E : NOT MONITORED FOR INTEGRITY
6. CLASS X :
   (a) INCLUDES REDUNDANT PATH
   (b) MAINTAINS OPERATIONAL CAPABILITY PAST A SINGLE OPEN OR A SINGLE SHORT CIRCUIT
   (c) ANNUNCIATES CONDITIONS THAT AFFECT THE INTENDED OPERATION OF THE PATH

PATHWAY SURVIVABILITY LEVELS:

1. LEVEL 0 : NOT REQUIRED TO HAVE ANY PROVISIONS FOR PATHWAY SURVIVABILITY
2. LEVEL 1 : SHALL CONSIST OF PATHWAYS IN BUILDINGS THAT ARE FULLY SPRINKLERED IN WHICH ANY INTERCONNECTING CONDUCTOR CABLES OR OTHER PHYSICAL PATHWAYS ARE INSTALLED IN METAL RACEWAYS
   LEVEL 2 : SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING:
   - 2 HOUR CI CABLE
   - 2 HOUR FIRE RATED CABLE SYSTEM
   - 2 HOUR FIRE RATED ENCLOSURE OR PROTECTED AREA
   - 2 HOUR PERFORMANCE ALTERNATIVE APPROVED BY AHJ
3. LEVEL 3 : SHALL CONSIST OF A LEVEL 2 PATHWAY THAT IS INSTALLED IN A FULLY SPRINKLERED BUILDING



GENERAL NOTES:

1. PROVIDE ALL EQUIPMENT, PROGRAMMING & WIRING REQUIRED FOR A COMPLETE CODE COMPLIANT SYSTEM.
2. PROVIDE ALL FILING, PERMIT & FIRE DEPARTMENT INSPECTION FEES.
3. ALL NOTIFICATION AND SIGNAL LINE CIRCUITS SHALL BE CLASS B WIRING WITHOUT T-TAPPING OF CIRCUITS.
4. PROVIDE PRIMARY & SECONDARY PHONE LINES FOR CENTRAL OFFICE CONNECTION. CENTRAL OFFICE TELEPHONE WIRING SHALL BE INSTALLED IN 1" RGS CONDUIT.
5. ALL 120V CIRCUITS FOR THE FIRE ALARM SYSTEM SHALL BE DEDICATED EMERGENCY CIRCUITS FROM FUSED CUTOUT MULTIPOLE BREAKER PANELS FED INLINE VIA 60A/3PH/4W POWER RISER SOURCED FROM A 60A/3P/4W FUSED DISCONNECT SWITCH, BOTH THE FDS AND FCO ARE TO BE LOCKABLE AND FINISHED RED, SEE ELECT FOR CONDUIT/WIRE SIZING.
6. REFER TO FLOOR PLANS FOR EXACT NUMBER AND LOCATION OF FIRE ALARM DEVICES, INTERFACES, AND THE LIKES.
7. COORDINATE WITH THE LOCAL AUTHORITY HAVING JURISDICTION FOR THE EXACT SEQUENCE OF OPERATIONS.
8. SMOKE DETECTORS SHALL BE A MINIMUM OF 3 FEET FROM ALL SUPPLY DIFFUSERS.
9. PROVIDE STYLE 7 WIRING FOR ALL NETWORK WIRING BETWEEN DGP'S AND MAIN FIRE CONTROL PANEL. RETURN CIRCUIT SHALL BE IN A SEPARATE CONDUIT.
10. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN CONDUIT WHEN RUN EXPOSED IN MECHANICAL ROOMS. PROVIDE CONDUIT CONCEALED IN WALLS UP TO ACCESSIBLE CEILING WITH INSULATING BUSHING FOR ALL WALL MOUNTED FIRE ALARM DEVICES.
11. PROVIDE A MINIMUM OF TWO ALTERNATELY CIRCUITED SPEAKER AND TWO ALTERNATELY CIRCUITED STROBE CIRCUITS PER FLOOR. MAINTAIN A MINIMUM OF 25% SPARE CAPACITY ON ALL ADDRESSABLE LOOPS AND ALL SPEAKER AND STROBE CIRCUITS.
12. STROBE LIGHTS SHALL BE ARRANGED FOR SYNCHRONIZED OPERATION ON A PER FLOOR BASIS.
13. ALL FIRE ALARM EQUIPMENT SHALL BE APPROVED BY LOCAL AHJ PRIOR TO ORDERING.
14. FIRE ALARM RISER IS A DIAGRAMMATIC REPRESENTATION OF THE SYSTEM FOR FA VENDOR TO CREATE SUBMITTAL.
15. PROVIDE STAIR PRESSURIZATION AND SMOKE PURGE CONTROL PANELS WITH FAN STATUS AND CONTROL SWITCHES. PROVIDE ALL AIR FLOW SWITCHES AND CURRENT MONITORING DEVICES REQUIRED FOR POSITIVE CONFIRMATION FOR ALL REQUIRED STATUS CONDITIONS. SEE DETAIL BELOW.
16. ALL FIRE ALARM CABLING SHALL BE PLENUM RATED AND MEET PATHWAY SURVIVABILITY LEVEL 2.
17. ALL FIRE ALARM ANNUNCIATING DEVICES SHALL BE "WHITE".
18. ALL ELECTRONICALLY SECURED DOORS AND SLIDING FIRE DOORS SHALL BE TIED TO THE BUILDING'S FIRE ALARM SYSTEM SUCH THAT IN THE EVENT THAT THE FIRE ALARM SYSTEM IS ACTIVATED, THESE DOORS FAILSAFE CLOSE.
19. PROVIDE A 20A, 120V CIRCUIT FROM NEAREST CORRIDOR RECEPTACLE TO ALL DOORS WITH MAGNETIC HOLD OPENS.
20. ALL CONTROL WIRING FOR STAIR PRESSURIZATION AND SMOKE PURGE CONTROL SHALL BE RUN IN EMT CONDUIT.
21. PROVIDE FIRE ALARM COMMAND CENTER WITH INTEGRAL SMOKE PURGE CONTROL ARRANGED IN OWN PANEL SECTION.
22. PROVIDE A CONTROL MODULE AND RELAY FOR ALL FIRE SMOKE DAMPERS. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND QUANTITIES. PROVIDE DUCT SMOKE DETECTORS TO ACTIVATE FIRE SMOKE DAMPERS AS REQUIRED.
23. PROVIDE (3) FIRE ALARM MONITOR MODULES FOR EACH HEAT TRACE CONTROLLER SERVING SPRINKLER PIPES. PROVIDE (4) MONITOR MODULES FOR EACH DRY PIPE COMPRESSOR.
24. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS THAT INCLUDE MANUFACTURER'S CUT SHEETS THAT INCLUDE EQUIPMENT MODEL NUMBERS, BATTERY CALCULATIONS, CONDUCTOR TYPE AND SIZES, AND VOLTAGE DROP CALCULATIONS.
25. THE FIRE ALARM INSTALLER AND VENDOR MUST BE LICENSED FOR FIRE ALARM INSTALLATION WITH THE STATE OF CONNECTICUT.
26. PROVIDE SMOKE CONTROL SYSTEM PER SEQUENCE OF OPERATION INDICATED PER MECHANICAL SPECIFICATIONS. INCLUDE A CONTROL AND MONITOR MODULE FOR EACH UNIT AND/OR ASSOCIATED DAMPER TO SUIT OPERATIONS

FIRE ALARM - SEQUENCE OF OPERATIONS

NOTES:

- ACTIVATION OF A MANUAL PULL STATION SHALL:
  a. ANNUNCIATE AT THE MAIN FIRE ALARM CONTROL PANEL AND AT THE REMOTE ANNUNCIATOR.
  b. SEND ALARM INDICATION TO CENTRAL STATION COMPANY TO NOTIFY THE FIRE DEPARTMENT.
  c. ACTIVATE ALARM TONES ON FLOOR OF ALARM, FLOOR BELOW AND ABOVE. VOICE INSTRUCTIONS SHALL FOLLOW THE ALARM TONE.
- ACTIVATION OF A SMOKE DETECTOR, HEAT DETECTOR, DUCT SMOKE DETECTOR, WATER FLOW SWITCH, IN COMMON AREAS SHALL PERFORM FUNCTIONS LISTED IN a, b & c ABOVE AND:
  d. SHUTDOWN ALL FAN SYSTEMS
  e. CLOSE ALL SMOKE DAMPERS
  f. CLOSE ALL SMOKE CONTROL DOORS IN ALL BUILDINGS.
- ACTIVATION OF AN ELEVATOR LOBBY, ELEVATOR MACHINE ROOM AND HOIST WAY SMOKE DETECTOR SHALL PERFORM FUNCTIONS LISTED IN a, b, c, & d ABOVE AND:
  g. RECALL ALL ELEVATORS TO THE GROUND FLOOR (PROVIDE ALTERNATE RECALL AS PER NFPA) AND OPEN ASSOCIATED HOIST WAY VENT.
- ACTIVATION OF A TOP OR BOTTOM SHAFT HEAT DETECTOR SHALL ACTIVATE ELEVATOR SHUNT TRIP BREAKER TO DISCONNECT POWER FROM ELEVATOR CAB(S) OF THAT SHAFT. FIRE SERVICE ACCESS ELEVATORS SHALL NOT BE SHUNT TRIPPED.
- ACTIVATION OF SPRINKLER TAMPER SWITCH SHALL ACTIVATE A SUPERVISORY SIGNAL AT THE THE FIRE CONTROL PANEL.
- STAIR PRESSURIZATION SYSTEM SHALL START AUTOMATICALLY UPON THE ACTIVATION OF ANY FIRE ALARM DEVICES. ACTIVATION OF A STAIR PRESSURIZATION FAN DUCT SMOKE DETECTOR SHALL SHUT DOWN ITS ASSOCIATED PRESSURIZATION FAN.
- PROVIDE STATUS AT THE MAIN FIRE CONTROL PANEL FOR PRESSURIZATION FANS AND DAMPERS AS FOLLOWS:
  a. WHITE - NORMAL STATUS
  b. RED - OFF/CLOSED
  c. GREEN - ON/OPEN
  d. YELLOW/AMBER - FAULT
- PROVIDE STATUS FOR ALL HVAC SYSTEMS CONNECTED TO THE FIRE ALARM SYSTEM. STATUS SHALL BE ACCOMPLISHED VIA AIR FLOW SWITCHES FOR POSITIVE INDICATION. STATUS SHALL BE INDICATED VIA LED ON FIRE ALARM CONTROL PANEL.

FIRE ALARM - ONE-WAY VOICE COMMUNICATION SYSTEM

ONE-WAY VOICE COMMUNICATION SYSTEM

ONE-WAY EMERGENCY VOICE COMMUNICATION SYSTEMS SHALL HAVE THE CAPABILITY FOR AN ALL-CALL FUNCTION TO ALL SPEAKER STATIONS, AND SHALL HAVE THE CAPABILITY OF PERMITTING SIMULTANEOUS OPERATION OF ANY AND ALL OF THE FOLLOWING SELECTABLE ZONES:

(1) ALL SPEAKER STATIONS WITHIN THE DWELLING UNITS ON ANY GIVEN FLOOR (ZONED BY FLOOR); AND

(2) ALL SPEAKER STATIONS WITHIN EACH INDIVIDUAL STAIRWELL. (ZONED BY STAIR).

(3) EACH ELEVATOR LOBBY

FIRE ALARM - STAIR PRESSURIZATION FANS

STAIR PRESSURIZATION FANS

CONTROL PANEL:

1. STATUS INDICATORS SHALL BE PROVIDED FOR ALL FAN CONTROL EQUIPMENT ANNUNCIATED BY STAIR PRESSURIZATION FANS. DAMPERS AND FANS SHALL BE INDICATED BY LAMP COLOR AS FOLLOWS:
   NORMAL: WHITE,
   OFF/CLOSED: RED,
   ON/OPEN: GREEN,
   FAULT: YELLOW.
2. PROVIDE "ON-AUTO-OFF" OR "OPEN-AUTO-CLOSE" CONTROL SWITCHES FOR EACH INDIVIDUAL PIECE OF OPERATING CONTROL EQUIPMENT. THIS SHALL INCLUDE, STAIR PRESSURIZATION FANS AND INDIVIDUAL DAMPERS RELATING TO FUNCTION.
3. A CLEAR GRAPHIC REPRESENTATION SHALL BE PROVIDED ON THE PANEL INDICATING AIR FLOW DIAGRAMS AND LOCATION OF CONTROL EQUIPMENT.

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REVISIONS

#	DATE	REVISION DESCRIPTION	BY:
.	03/25/2026	85% CD	--
.	06/26/2026	100% CONSTRUCTION DOCUMENTS	--
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PHASE
PERMIT SET

NOT FOR CONSTRUCTION 06/26/2026

PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
FIRE ALARM RISER DIAGRAM

DRAWING NO.
E-502

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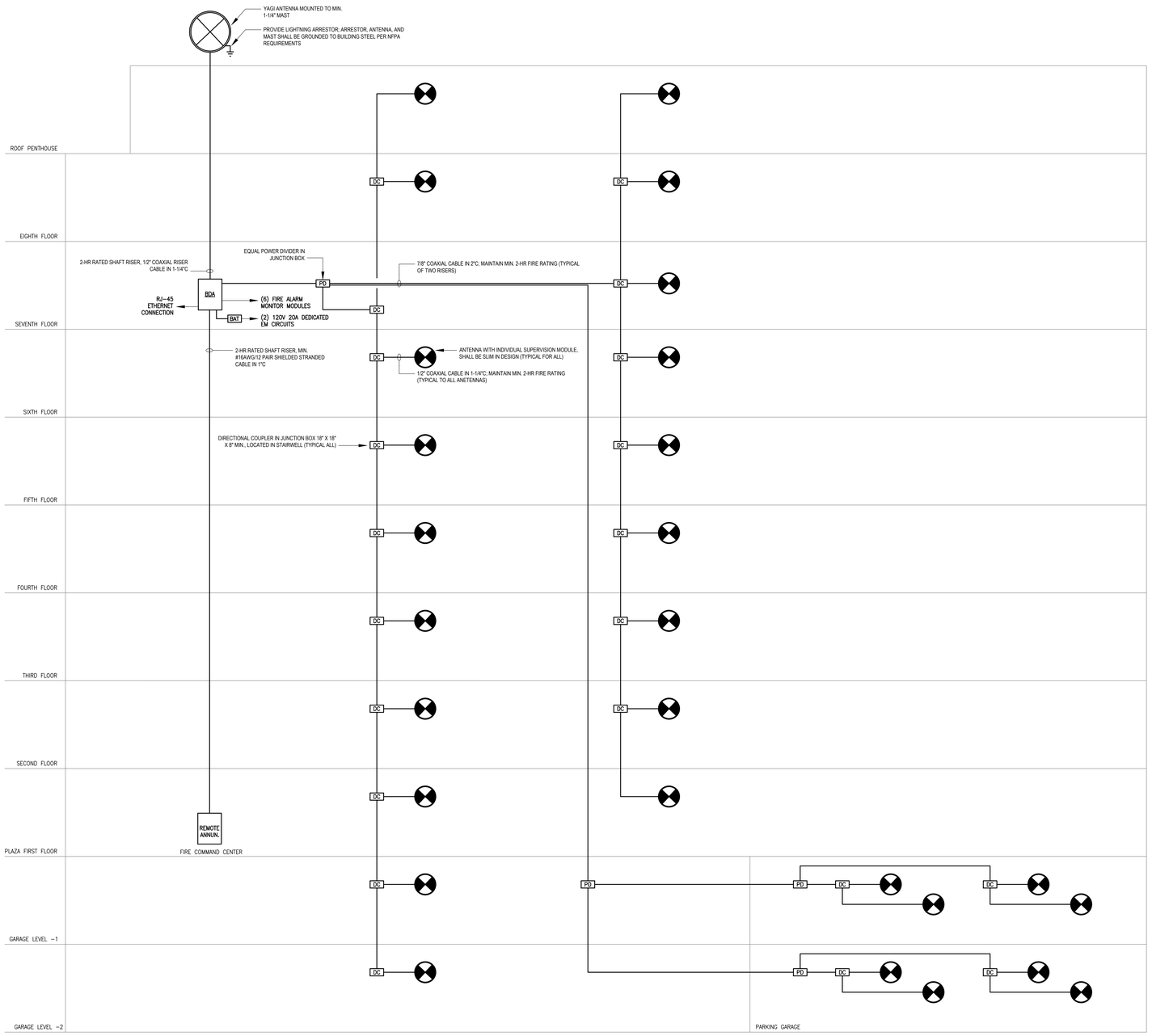
Plotted: 09/03/2025 10:05:00 AM By: Tracy.Lowell Filename: C:\Users\Tracy.Lowell\Documents\191502595_MERRITT 7_BUILDING 101_R24_TRACY.LOWELL.rvt Central Model: Autodesk Docs://191502595_MERRITT 7_BUILDING 101/191502595_MERRITT 7_BUILDING 101_R24_TRACY.LOWELL.rvt

EMERGENCY RESPONDER RADIO COVERAGE

ELECTRICAL CONTRACTOR SHALL SUB-CONTRACT AN AUTHORIZED BI-DIRECTIONAL AMPLIFIER (BDA) CONTRACTOR TO SURVEY, DESIGN, FURNISH, AND INSTALL A COMPLETE AND FUNCTIONING CODE COMPLIANT BDA SYSTEM IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE AS ADOPTED BY THE STATE CODE, NFPA 1221, AND THAT MEETS ALL LOCAL AHJ, FIRE DEPARTMENT, AND MUNICIPALITY REQUIREMENTS.

NOTES & SEQUENCE:

1. BDA RISER IS DIAGRAMMATIC AND COMPLETE SHOP DRAWINGS SHALL BE PRODUCED PRIOR TO INSTALLING RACEWAY AND BOXES.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL RACEWAY IN SLAB, AS INDICATED DURING DURING CONSTRUCTION OF BUILDING STRUCTURE.
3. BDA VENDOR SHALL REQUEST DOCUMENTATION FROM THE AHJ AND/OR FIRE MARSHAL AS TO ALL THE REQUIRED PUBLIC EMERGENCY RESPONSE FREQUENCIES, BOTH DAY 1 AND FUTURE. THE BDA SYSTEM SHALL HAVE THE CAPABILITIES TO MODIFY AND ADD FREQUENCIES TO BE ADAPTABLE TO FUTURE MUNICIPALITY CHANGES.
4. AFTER COMPLETION OF BUILDING STRUCTURE AND ENVELOPE, BDA CONTRACTOR/VENDOR SHALL SURVEY TO ASSESS RADIO COVERAGE AVAILABLE IN ALL AREAS OF THE BUILDING AND TO DETERMINE THE EXACT REQUIREMENTS OF THE BDA INSTALLATION, REQUIRED EQUIPMENT, CABLE ROUTING, ANTENNA LOCATIONS/QUANTITIES, ETC..
5. BDA CONTRACTOR/VENDOR SHALL PROVIDE ALL EQUIPMENT, ANTENNAS, COUPLERS, POWER SUPPLIES, POWER DIVIDERS, AND CABLING AS REQUIRED FOR A COMPLETE, FUNCTIONING, AND CODE COMPLIANT INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL RACEWAYS, BACK BOXES, GROUND & BOND CONNECTIONS, AND CIRCUITS REQUIRED FOR A COMPLETE, FUNCTIONING, AND CODE COMPLIANT INSTALLATION.
7. ALL CABLING SHALL HAVE A FIRE RESISTANCE RATING OF 2-HR OR SHALL BE ROUTED IN A 2-HR RATED ASSEMBLY.
8. ALL CABLING SHALL BE PLENUM RATED.
9. ALL POWER SPLITTERS SHALL BE LOCATED WITHIN THE 2-HR STAIRWELL ENCLOSURE FOR ACCESSIBILITY. WHERE SPLITTERS CANNOT BE LOCATED IN AN ACCESSIBLE AREA ACCESS PANELS SHALL BE PROVIDED AND COORDINATED WITH THE GENERAL CONTRACTOR AND ARCHITECT.
10. BDA CONTRACTOR SHALL BE RESPONSIBLE FOR ACTIVELY COORDINATING BETWEEN OTHER TRADES DURING INSTALLATION; ELECTRICAL, FIRE ALARM, TELECOM & SECURITY, AND THE GC/CM.
11. WHERE ANY RISER AND/OR BRANCH CABLING IS EXPOSED TO THE GENERAL PUBLIC, IT MUST BE MECHANICALLY PROTECTED FROM ACCIDENTAL AND INTENTIONAL PHYSICAL DAMAGE.
12. BDA SYSTEM SHALL BE PROPERLY MONITORED BY THE FIRE ALARM SYSTEM.
13. CABINETS FOR EQUIPMENT AND BATTERY BACKUP SHALL BE IN NEMA 4X.



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-	-		

PHASE

PERMIT SET

NOT FOR CONSTRUCTION
06/26/2026

PROJECT NAME

MERRITT 7
BUILDING 101

101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595

DRAWN BY: - PROJ. MANAGER: PC

DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE

EMERGENCY RESPONDER RADIO COVERAGE SYSTEM

DRAWING NO.

E-503

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DISTRIBUTION PANELBOARD DESIGNATION : **SWBD-B1**

VOLTAGE	480Y/277 V	NEUTRAL	N/A	BUS RATING	3000 A
PHASE	3 Ø	MIN. K.A.I.C. SYM	100 K.A.I.C.	MAIN FUSED SWITCH	3000 A
WIRE	4 W + G	REMARKS	100% RATED		

CIRCUIT BREAKER NO.	FRAME	TRIP	ø	LOAD DESCRIPTION	LOAD	QUANTITY OF FEEDERS (SETS)	FEEDER (EACH) PHASE LEGS NO.	PHASE LEGS SIZE	NEUTRAL NO.	NEUTRAL SIZE	GROUND NO.	GROUND SIZE	INSULATION TYPE	CONDUIT SIZE	REMARKS
1	3000A	3000A	3	MAIN											MAIN
2	400A	400A	3	HPG1-B1	121.7 KVA										REFER TO POWER RISER DIAGRAM
3	225A	225A	3	PPG1-B1 VIA 150KVA T/F	31.1 KVA										REFER TO POWER RISER DIAGRAM
4	225A	225A	3	EVPG1-B1 VIA 150KVA T/F	24.4 KVA										REFER TO POWER RISER DIAGRAM
5	225A	200A	3	EPHG1-B1	26.1 KVA										REFER TO POWER RISER DIAGRAM
6	400A	400A	3	ESPHG1-B1	125.5 KVA										REFER TO POWER RISER DIAGRAM
7	225A	200A	3	HP1-B1 (1ST FLOOR)	15.8 KVA										REFER TO POWER RISER DIAGRAM
8	400A	250A	3	HP3-B1 & HP7-B1	37.3 KVA										REFER TO POWER RISER DIAGRAM
9	400A	400A	3	HPR-B1 (PENTHOUSE)	137.9 KVA										REFER TO POWER RISER DIAGRAM
10	800A	600A	3	MB2-B1 VIA 300KVA T/F	133.0 KVA										REFER TO POWER RISER DIAGRAM
11	800A	800A	3	MB4-B1 VIA 500KVA T/F	133.0 KVA										REFER TO POWER RISER DIAGRAM
12	800A	800A	3	MB6-B1 VIA 500KVA T/F	133.0 KVA										REFER TO POWER RISER DIAGRAM
13	800A	800A	3	MB8-B1 VIA 500KVA T/F	133.0 KVA										REFER TO POWER RISER DIAGRAM
14	225A	200A	3	ELEV-DP-B1	113.7 KVA										REFER TO POWER RISER DIAGRAM
15	800A	800A	3	**SPARE**											
16	100A	-	3	SPACE											
17	225A	-	3												
18															

TOTAL CONNECTED LOAD =	**1189.8 KVA**	**1431 A**
TOTAL DEMAND LOAD =	**1165.4 KVA**	**1402 A**

PANEL DESIGNATION : **HPG1-B1**

VOLTAGE	480Y/277 V	NEUTRAL	100%	QUANTITY OF POLES	84
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN LUGS ONLY	N/A
WIRE	4 W + G			MAIN BUS	400 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
N/A		NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	20A	LEVEL 2 EXTERIOR GARAGE LIGHTING	3840			PLAZA LEVEL EXTERIOR LIGHTING	20A	2
3	20A	LEVEL 1 EXTERIOR GARAGE LIGHTING		6042		LEVEL 2 GARAGE INTERIOR LIGHTING	20A	4
5	25A	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C			5336	LEVEL 1 GARAGE INTERIOR LIGHTING	20A	6
7	25A	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C	9000			LEVEL 2 CUH-B	20A	8
9	25A	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C		9000		LEVEL 2 CUH-B	20A	10
11	25A	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C			10000	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C	25A	12
13	25A	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C	10000			LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C	25A	14
15	25A	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C		10000		LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C	25A	16
17	25A	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C			9000	LEVEL 2 CUH-B	20A	18
19	25A	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C	9000			LEVEL 2 CUH-B	20A	20
21	25A	LEVEL 1 UH-B 1#10 + 1#10GND IN 3/4"C		10000		LEVEL 1 UH-B 1#10 + 1#10GND IN 3/4"C	25A	22
23	25A	LEVEL 1 UH-B 1#10 + 1#10GND IN 3/4"C			9000	LEVEL 1 CUH-B	20A	24
25	25A	LEVEL 1 UH-B 1#10 + 1#10GND IN 3/4"C	10000			LEVEL 1 UH-B 1#10 + 1#10GND IN 3/4"C	25A	26
27	25A	LEVEL 1 UH-B 1#10 + 1#10GND IN 3/4"C		5000		**SPARE**	20A	28
29	20A	LEVEL 2 GARAGE HEAT TRACE (30mA GFPE)			1500	**SPARE**	20A	30
31	20A	LEVEL 2 GARAGE HEAT TRACE (30mA GFPE)	1500			**SPARE**	20A	32
33	20A	LEVEL 2 GARAGE HEAT TRACE (30mA GFPE)		3000		LEVEL 1 GARAGE HEAT TRACE (30mA GFPE)	20A	34
35	20A	LEVEL 2 GARAGE HEAT TRACE (30mA GFPE)			3000	LEVEL 1 GARAGE HEAT TRACE (30mA GFPE)	20A	36
37	20A	LEVEL 1 GARAGE HEAT TRACE (30mA GFPE)	3000			LEVEL 1 GARAGE HEAT TRACE (30mA GFPE)	20A	38
39	20A	LEVEL 1 GARAGE HEAT TRACE (30mA GFPE)		3000		LEVEL 1 GARAGE HEAT TRACE (30mA GFPE)	20A	40
41	20A	LEVEL 1 GARAGE HEAT TRACE (30mA GFPE)			1500	**SPARE**	20A	42
43	20A	**SPARE**	0			**SPARE**	20A	44
45	20A	**SPARE**		0		**SPARE**	20A	46
47	20A	**SPARE**			0	**SPARE**	20A	48
49	20A	**SPARE**	0			**SPARE**	20A	50
51	20A	**SPARE**		0		**SPARE**	20A	52
53	20A	SPACE			0	SPACE	20A	54
55	20A	SPACE	0			SPACE	20A	56
57	20A	SPACE		0		SPACE	20A	58
59	20A	SPACE			0	SPACE	20A	60
61	20A	SPACE	0			SPACE	20A	62
63	20A	SPACE		0		SPACE	20A	64
65	20A	SPACE			0	SPACE	20A	66
67	20A	SPACE	0			SPACE	20A	68
69	20A	SPACE		0		SPACE	20A	70
71	20A	SPACE			0	SPACE	20A	72
73	20A	SPACE	0			SPACE	20A	74
75	20A	SPACE		0		SPACE	20A	76
77	20A	SPACE			0	SPACE	20A	78
79	20A	SPACE	0			SPACE	20A	80
81	20A	SPACE		0		SPACE	20A	82
83	20A	SPACE			0	SPACE	20A	84
		TOTAL CONNECTED LOAD PER PHASE (kVA)	46.34	46.04	39.34			
		TOTAL CONNECTED LOAD	131.72 KVA		158.4 A			
		TOTAL DEMAND LOAD	121.72 KVA		146.4 A			

PANEL DESIGNATION : **PPG1-B1**

VOLTAGE	208Y/120 V	NEUTRAL	100%	QUANTITY OF POLES	84
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	400 A
WIRE	4 W + G			MAIN BUS	400 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
N/A		NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	20A	PARKING LEVEL 2 LOBBY& BOH RECS	2240			PARKING LEVEL 2 TRASH COMPACTOR POWER 2#10 + 1#10GRD IN 3/4"C	30A	2
3	20A	PARKING LEVEL 2 TRASH RM & CLEANERS REC		1340				4
5	20A	DEDICATED PARKING LEVEL 2 WORKSHOP REC			2000	PARKING LEVEL 2 TRASH COMPACTOR POWER 2#10 + 1#10GRD IN 3/4"C	30A	6
7	20A	DEDICATED PARKING LEVEL 2 WORKSHOP REC	2000					8
9	20A	DEDICATED PARKING LEVEL 2 WORKSHOP REC		1400		PARKING LEVEL 2 TRASH ROOM INTERLOCK	20A	10
11	20A	DEDICATED PARKING LEVEL 2 WORKSHOP REC			1400	PARKING LEVEL 2 TRASHROOM INTERLOCK	20A	12
13	30A	PARKING LEVEL 2 WORKSHOP REC 2#10 + 1#10GRD IN 3/4"C	1700			PARKING LEVEL 2 TRASH ROOM ROLL UP DOOR	20A	14
15				1700				16
17	20A	PARKING LEVEL 2 OAF-A COMPACTOR ROOM			1776	PARKING LEVEL 2 CART STORAGE RECS	20A	18
19	20A	PARKING LEVEL 2 EF-1 COMPACTOR ROOM	1608			PARKING LEVEL 1 LOBBY REC	20A	20
21	15A	PARKING LEVEL 2 HP-1 CLEANERS ROOM		657		RKING LEVEL 1 SUPER OFFICE COMPUTER REC	20A	22
23					1737	PARKING LEVEL 1 BOH RECS	20A	24
25	15A	PARKING LEVEL 2 HP-2 CLEANERS ROOM	1599			PARKING LEVEL 1 CONDENSER RECS	20A	26
27				559		PARKING LEVEL 2 CP-A	20A	28
29	20A	PARKING LEVEL 1 SUPERS STORAGE OAF-A			1296	PARKING LEVEL 1 CP-A	20A	30
31	15A	PARKING LEVEL 1 SUPERS OFFICE HP-E	483			PARKING LEVEL 1 HP-F SUPERS OFFICE	15A	32
33				483				34
35	20A	PL1 POWER FOR AUTOMATIC DOORS			1600	PL2 POWER FOR AUTOMATIC DOORS	20A	36
37	20A	**SPARE**	800			PL2 POWER FOR AUTOMATIC DOORS	20A	38
39	20A	LEVEL 2 GARAGE ELEV FIRE CURTAIN		3500		PARKING LEVEL 2 DWH-4 3#8 + 1#10G IN 3/4"C	40A	40
41	20A	LEVEL 1 GARAGE ELEV FIRE CURTAIN			3500			42
43	20A	***SPARE***	0			**SPARE**	20A	44
45	20A	***SPARE***		0		**SPARE**	20A	46
47	20A	***SPARE***			0	**SPARE**	20A	48
49	20A	***SPARE***	0			**SPARE**	20A	50
51	20A	***SPARE***		0		**SPARE**	20A	52
53	20A	SPACE			0	SPACE	20A	54
55	20A	SPACE	0			SPACE	20A	56
57	20A	SPACE		0		SPACE	20A	58
59	20A	SPACE			0	SPACE	20A	60
61	20A	SPACE	0			SPACE	20A	62
63	20A	SPACE		0		SPACE	20A	64
65	20A	SPACE			0	SPACE	20A	66
67	20A	SPACE	0			SPACE	20A	68
69	20A	SPACE		0		SPACE	20A	70
71	20A	SPACE			0	SPACE	20A	72
73	20A	SPACE	0			SPACE	20A	74
75	20A	SPACE		0		SPACE	20A	76
77	20A	SPACE			0	SPACE	20A	78
79	20A	SPACE	0			SPACE	20A	80
81	20A	SPACE		0		SPACE	20A	82
83	20A	SPACE			0	SPACE	20A	84
		TOTAL CONNECTED LOAD PER PHASE (kVA)	10.43	9.64	13.31			
		TOTAL CONNECTED LOAD	33.38 KVA		92.6 A			
		TOTAL DEMAND LOAD	31.09 KVA		86.3 A			

PANEL DESIGNATION : **EVPG1-B1**

VOLTAGE	208Y/120 V	NEUTRAL	100%	QUANTITY OF POLES	84
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	400 A
WIRE	4 W + G			MAIN BUS	400 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
N/A		NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	40A	EV CHARGING 2#8 + 1#10GRD IN 1"C	4436			EV CHARGING 2#8 + 1#10GRD IN 1"C	40A	2
3				4436				4
5	40A	EV CHARGING 2#8 + 1#10GRD IN 1"C			4436	EV CHARGING 2#8 + 1#10GRD IN 1"C	40A	6
7			4436					8
9	40A	EV CHARGING 2#8 + 1#10GRD IN 1"C		4436		EV CHARGING 2#8 + 1#10GRD IN 1"C	40A	10
11					4436			12
13	40A	EV CHARGING 2#8 + 1#10GRD IN 1"C	4436			EV CHARGING 2#8 + 1#10GRD IN 1"C	40A	14
15				4436				16
17	40A	EV CHARGING 2#8 + 1#10GRD IN 1"C			4436	EV CHARGING 2#8 + 1#10GRD IN 1"C	40A	18
19			4436					20
21	40A	EV CHARGING 2#8 + 1#10GRD IN 1"C		2218				22
23					2218			24
25			0					26
27				0				28
29					0			30
31			0					32
33				0				34
35					0			36
37			0					38
39				0				40
41					0			42
43			0					44
45				0				46
47					0			48
49			0					50
51				0				52
53					0			54
55			0					56
57				0				58
59					0			60
61			0					62
63				0				64
65					0			66
67			0					68
69				0				70
71					0			72
73			0					74
75				0				76
77					0			78
79			0					80
81				0		SPD	30A	82
83					0			84
		TOTAL CONNECTED LOAD PER PHASE (kVA)	17.74	15.53	15.53			
		TOTAL CONNECTED LOAD	48.80 KVA		135.4 A			
		TOTAL DEMAND LOAD	48.80 KVA		135.4 A			

PANEL DESIGNATION : **EPHG1-B1**

VOLTAGE	480Y/277 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	200 A
WIRE	4 W + G			MAIN BUS	225 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
N/A		NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	100A	EPH1-B1, EPH3-B1 & EPH7-B1	11159			LEVEL 1 EXTERIOR GARAGE LIGHTING	20A	2
3				5414		LEVEL 1 GARAGE EXIT SIGNS	20A	4
5					4160	***SPARE***	20A	6
7	20A	LEVEL 2 EXTERIOR GARAGE LIGHTING	2943			LEVEL 2 INTERIOR LIGHTING	20A	8
9	20A	LEVEL 2 GARAGE EXIT SIGNS		606		STAIR LIGHTING	20A	10
11	20A	**SPARE**			506	STAIR LIGHTING	20A	12
13	20A	LEVEL 1 INTERIOR LIGHTING	1192			LEVEL 2 INTERIOR EXIT SIGNS	20A	14
15	20A	LEVEL 1 INTERIOR EXIT SIGNS		100		***SPARE***	20A	16
17	20A	**SPARE**			0	***SPARE***	20A	18
19	20A	**SPARE**	0			***SPARE***	20A	20
21	20A	**SPARE**		0		***SPARE***	20A	22
23	20A	**SPARE**			0	***SPARE***	20A	24
25	20A	**SPARE**	0			***SPARE***	20A	26
27	20A	**SPARE**		0		***SPARE***	20A	28
29	20A	**SPARE**			0	***SPARE***	20A	30
31	20A	**SPARE**	0			***SPARE***	20A	32
33	20A	**SPARE**		0		***SPARE***	20A	34
35	20A	**SPARE**			0	***SPARE***	20A	36
37	20A	**SPARE**	0			***SPARE***	20A	38
39	20A	**SPARE**		0		***SPARE***	20A	40
41	20A	**SPARE**			0	***SPARE***	20A	42
		TOTAL CONNECTED LOAD PER PHASE (kVA)	15.29	6.12	4.67			
		TOTAL CONNECTED LOAD	26.08 KVA		31.4 A			
		TOTAL DEMAND LOAD	26.08 KVA		31.4 A			

PANEL DESIGNATION : **ESPHG1-B1**

VOLTAGE	480Y/277 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	400 A
WIRE	4 W + G			MAIN BUS	400 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
N/A		NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1			13055					2
3	50A	ESPG1-B1 VIA 30KVA T/F		11820		ESP1-B1 VIA 75KVA T/F 1ST FL	125A	4
5					8825			6
7	20A	1ST FL AMENITY LIGHTING	1000			**SPARE**	20A	8
9				13814		FIRST FL STAIR CUH-B	20A	10
11	50A	VRF-CU-1 3#6 + 1#10GND IN 1"C			13814	FIRST FL STAIR CUH-B	20A	12
13			12862					14
15	30A	VRF-CU-2 3#10 + 1#10GND IN 3/4"C		9548		LEVEL 1 GARAGE BP-1	20A	16
17					9548			18
19			8607					20
21				2689		LEVEL 1 GARAGE JP-1	20A	22
23	20A	EP-1			2689			24
25			2600					26
27				2462		ROOF EF-2	20A	28
29	20A	EP-2			2462			30
31			749					32
33	25A	1ST FL AMENITY CUH-C 1#10 + 1#10GND IN 3/4"C		5105		ROOF EF-3	20A	34
35	20A	1ST FL AMENITY ADA DWH-2			3805			36
37	20A	**SPARE**	0			**SPARE**	20A	38
39	20A	**SPARE**		0		**SPARE**	20A	40
41	20A	**SPARE**			0	**SPARE**	20A	42
		TOTAL CONNECTED LOAD PER PHASE (kVA)	38.87	45.44	41.14			
		TOTAL CONNECTED LOAD	125.45 KVA		150.9 A			
		TOTAL DEMAND LOAD	125.45 KVA		150.9 A			

PANEL DESIGNATION : **ESPG1-B1**

VOLTAGE	208Y/120 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	100 A
WIRE	4 W + G			MAIN BUS	100 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
N/A		NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	20A	FIRST FL GARAGE DEDICATED IT REC	720			FIRST FL GARAGE DEDICATED IT REC	20A	2
3	20A	FIRST FL GARAGE DEDICATED IT REC		1525		FIRST FL GARAGE ACU-1	15A	4
5	20A	GENERATOR BATTERY CHARGER			1365			6
7	20A	GENERATOR JACKET HEATER	400			FIRST FL GARAGE CP-A	20A	8
9				200		***SPARE***	20A	10
11	20A	**SPARE**			0	***SPARE***	20A	12
13	20A	**SPARE**	0			***SPARE***	20A	14
15	20A	**SPARE**		0		***SPARE***	20A	16
17	20A	**SPARE**			0	***SPARE***	20A	18
19	20A	**SPARE**	0			***SPARE***	20A	20
21	20A	**SPARE**		0		***SPARE***	20A	22
23	20A	**SPARE**			0	***SPARE***	20A	24
25	20A	**SPARE**	0			***SPARE***	20A	26
27	20A	**SPARE**		0		***SPARE***	20A	28
29	20A	**SPARE**			0	***SPARE***	20A	30
31	20A	**SPARE**	0			***SPARE***	20A	32
33	20A	**SPARE**		0		***SPARE***	20A	34
35	20A	**SPARE**			0	***SPARE***	20A	36
37	20A	**SPARE**	0			***SPARE***	20A	38
39	20A	**SPARE**		0		***SPARE***	20A	40
41	20A	**SPARE**			0	***SPARE***	20A	42
		TOTAL CONNECTED LOAD PER PHASE (kVA)	1.12	1.73	1.37			
		TOTAL CONNECTED LOAD	4.21 KVA		11.7 A			
		TOTAL DEMAND LOAD	4.21 KVA		11.7 A			

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REVISIONS

#	DATE	REVISION DESCRIPTION	BY:
.	03/25/2026	85% CD	--
.	06/26/2026	100% CONSTRUCTION DOCUMENTS	--
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PHASE
PERMIT SET

NOT FOR CONSTRUCTION
06/26/2026

PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL PANEL SCHEDULES SHEET 1

DRAWING NO.
E-601

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PANEL DESIGNATION : **HPG1-B1**

VOLTAGE	480Y/277 V	NEUTRAL	100%	QUANTITY OF POLES	84
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN LUGS ONLY	N/A
WIRE	4 W + G			MAIN BUS	400 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
N/A		NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	20A	LEVEL 2 EXTERIOR GARAGE LIGHTING	3840			PLAZA LEVEL EXTERIOR LIGHTING	20A	2
3	20A	LEVEL 1 EXTERIOR GARAGE LIGHTING		6042		LEVEL 2 GARAGE INTERIOR LIGHTING	20A	4
5	25A	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C			5336	LEVEL 1 GARAGE INTERIOR LIGHTING	20A	6
7	25A	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C	9000			LEVEL 2 CUH-B	20A	8
9	25A	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C		9000		LEVEL 2 CUH-B	20A	10
11	25A	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C			10000	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C	25A	12
13	25A	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C	10000			LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C	25A	14
15	25A	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C		10000		LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C	25A	16
17	25A	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C			9000	LEVEL 2 CUH-B	20A	18
19	25A	LEVEL 2 UH-B 1#10 + 1#10GND IN 3/4"C	9000			LEVEL 2 CUH-B	20A	20
21	25A	LEVEL 1 UH-B 1#10 + 1#10GND IN 3/4"C		10000		LEVEL 1 UH-B 1#10 + 1#10GND IN 3/4"C	25A	22
23	25A	LEVEL 1 UH-B 1#10 + 1#10GND IN 3/4"C			9000	LEVEL 1 CUH-B	20A	24
25	25A	LEVEL 1 UH-B 1#10 + 1#10GND IN 3/4"C	10000			LEVEL 1 UH-B 1#10 + 1#10GND IN 3/4"C	25A	26
27	25A	LEVEL 1 UH-B 1#10 + 1#10GND IN 3/4"C		5000		**SPARE**	20A	28
29	20A	LEVEL 2 GARAGE HEAT TRACE (30mA GFPE)			1500	**SPARE**	20A	30
31	20A	LEVEL 2 GARAGE HEAT TRACE (30mA GFPE)	1500			**SPARE**	20A	32
33	20A	LEVEL 2 GARAGE HEAT TRACE (30mA GFPE)		3000		LEVEL 1 GARAGE HEAT TRACE (30mA GFPE)	20A	34
35	20A	LEVEL 2 GARAGE HEAT TRACE (30mA GFPE)			3000	LEVEL 1 GARAGE HEAT TRACE (30mA GFPE)	20A	36
37	20A	LEVEL 1 GARAGE HEAT TRACE (30mA GFPE)	3000			LEVEL 1 GARAGE HEAT TRACE (30mA GFPE)	20A	38
39	20A	LEVEL 1 GARAGE HEAT TRACE (30mA GFPE)		3000		LEVEL 1 GARAGE HEAT TRACE (30mA GFPE)	20A	40
41	20A	LEVEL 1 GARAGE HEAT TRACE (30mA GFPE)			1500	**SPARE**	20A	42
43	20A	**SPARE**	0			**SPARE**	20A	44
45	20A	**SPARE**		0		**SPARE**	20A	46
47	20A	**SPARE**			0	**SPARE**	20A	48
49	20A	**SPARE**	0			**SPARE**	20A	50
51	20A	**SPARE**		0		**SPARE**	20A	52
53	20A	SPACE			0	SPACE	20A	54
55	20A	SPACE	0			SPACE	20A	56
57	20A	SPACE		0		SPACE	20A	58
59	20A	SPACE			0	SPACE	20A	60
61	20A	SPACE	0			SPACE	20A	62
63	20A	SPACE		0		SPACE	20A	64
65	20A	SPACE			0	SPACE	20A	66
67	20A	SPACE	0			SPACE	20A	68
69	20A	SPACE		0		SPACE	20A	70
71	20A	SPACE			0	SPACE	20A	72
73	20A	SPACE	0			SPACE	20A	74
75	20A	SPACE		0		SPACE	20A	76
77	20A	SPACE			0	SPACE	20A	78
79	20A	SPACE	0			SPACE	20A	80
81	20A	SPACE		0		SPACE	20A	82
83	20A	SPACE			0	SPACE	20A	84

TOTAL CONNECTED LOAD PER PHASE (kVA)	46.34	46.04	39.34
TOTAL CONNECTED LOAD	131.72 KVA		158.4 A
TOTAL DEMAND LOAD	121.72 KVA		146.4 A

PANEL DESIGNATION : **PP1-B1**

VOLTAGE	208Y/120 V	NEUTRAL	100%	QUANTITY OF POLES	84
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	150 A
WIRE	4 W + G			MAIN BUS	225 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
N/A		NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	20A	1ST FL DEDICATED GYM EQUIPMENT	1920			1ST FL RESIDENTIAL CORIDOR REC	20A	2
3	20A	1ST FL DEDICATED GYM EQUIPMENT		1400		1ST FL WATER FOUNTAIN REC - *G	20A	4
5	20A	1ST FL DEDICATED GYM EQUIPMENT			2200	1ST FL POWER FOR SMOKE SHEILD	20A	6
7	20A	1ST FL DEDICATED GYM EQUIPMENT	1380			1ST FL ELEC TRASH ROOM REC	20A	8
9	20A	1ST FL DEDICATED GYM EQUIPMENT		1400		POWER FOR LOUNGE FIRE PLACE STARTER	20A	10
11	20A	1ST FL DEDICATED GYM EQUIPMENT			2000	1ST FL AMAZON LOCKERS	20A	12
13	20A	1ST FL DEDICATED GYM EQUIPMENT	1200			**SPARE**	20A	14
15	20A	1ST FL DEDICATED GYM EQUIPMENT		1200		**SPARE**	20A	16
17	20A	1ST FL DEDICATED GYM EQUIPMENT			1200	**SPARE**	20A	18
19	20A	1ST FL DEDICATED GYM EQUIPMENT	1200			**SPARE**	20A	20
21	20A	**SPARE**		0		**SPARE**	20A	22
23	20A	**SPARE**			0	**SPARE**	20A	24
25	20A	**SPARE**	0			**SPARE**	20A	26
27	20A	**SPARE**		0		**SPARE**	20A	28
29	20A	**SPARE**			0	**SPARE**	20A	30
31	20A	**SPARE**	0			**SPARE**	20A	32
33	20A	**SPARE**		0		**SPARE**	20A	34
35	20A	**SPARE**			0	**SPARE**	20A	36
37	20A	**SPARE**	0			**SPARE**	20A	38
39	20A	**SPARE**		0		**SPARE**	20A	40
41	20A	**SPARE**			0	**SPARE**	20A	42
43	20A	**SPARE**	0			**SPARE**	20A	44
45	20A	**SPARE**		0		**SPARE**	20A	46
47	20A	**SPARE**			0	**SPARE**	20A	48
49	20A	**SPARE**	0			**SPARE**	20A	50
51	20A	**SPARE**		0		**SPARE**	20A	52
53	20A	**SPARE**			0	**SPARE**	20A	54
55	20A	**SPARE**	0			**SPARE**	20A	56
57	20A	**SPARE**		0		**SPARE**	20A	58
59	20A	**SPARE**			0	**SPARE**	20A	60
61	20A	**SPARE**	0			**SPARE**	20A	62
63	20A	**SPARE**		0		**SPARE**	20A	64
65	20A	**SPARE**			0	**SPARE**	20A	66
67	20A	**SPARE**	0			**SPARE**	20A	68
69	20A	**SPARE**		0		**SPARE**	20A	70
71	20A	**SPARE**			0	**SPARE**	20A	72
73	20A	**SPARE**	0			**SPARE**	20A	74
75	20A	**SPARE**		0		**SPARE**	20A	76
77	20A	**SPARE**			0	**SPARE**	20A	78
79	20A	**SPARE**	0			**SPARE**	20A	80
81	20A	**SPARE**		0		**SPARE**	20A	82
83	20A	**SPARE**			0	**SPARE**	20A	84

TOTAL CONNECTED LOAD PER PHASE (kVA)	5.70	4.00	5.40
TOTAL CONNECTED LOAD	15.10 KVA		41.9 A
TOTAL DEMAND LOAD	13.25 KVA		36.8 A

*G - DENOTES GFCI BREAKER

PANEL DESIGNATION : **EPH1-B1**

VOLTAGE	480Y/277 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	100 A
WIRE	4 W + G			MAIN BUS	100 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
N/A		NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1			3400			1ST FL AMENITY LIGHTING	20A	2
3	50A	EP1-B1 VIA 30KVA T/F		1500		1ST FL CORRIDOR LIGHTING	20A	4
5					1260	1ST FL EXIT SIGNS	20A	6
7	20A	STAIR LIGHTING	514			1ST FL BUG EYES	20A	8
9	20A	STAIR LIGHTING		714		EXTERIOR OVER HANG PARKING	20A	10
11	20A	**SPARE**			0	**SPARE**	20A	12
13	20A	**SPARE**	0			**SPARE**	20A	14
15	20A	**SPARE**		0		**SPARE**	20A	16
17	20A	**SPARE**			0	**SPARE**	20A	18
19	20A	**SPARE**	0			**SPARE**	20A	20
21	20A	**SPARE**		0		**SPARE**	20A	22
23	20A	**SPARE**			0	**SPARE**	20A	24
25	20A	**SPARE**	0			**SPARE**	20A	26
27	20A	**SPARE**		0		**SPARE**	20A	28
29	20A	**SPARE**			0	**SPARE**	20A	30
31	20A	**SPARE**	0			**SPARE**	20A	32
33	20A	**SPARE**		0		**SPARE**	20A	34
35	20A	**SPARE**			0	**SPARE**	20A	36
37	20A	**SPARE**	0			**SPARE**	20A	38
39	20A	**SPARE**		0		**SPARE**	20A	40
41	20A	**SPARE**			0	**SPARE**	20A	42

TOTAL CONNECTED LOAD PER PHASE (kVA)	3.91	2.21	1.26
TOTAL CONNECTED LOAD	7.39 KVA		8.9 A
TOTAL DEMAND LOAD	6.39 KVA		7.7 A

PANEL DESIGNATION : **EP1-B1**

VOLTAGE	208Y/120 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	100 A
WIRE	4 W + G			MAIN BUS	100 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
N/A		NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1			2400			FACP	20A	2
3	60A	EP5-B1		1300		2WB	20A	4
5					1160	1ST FL FIRE COMMAND CENTER REC	20A	6
7	20A	**SPARE**	0			**SPARE**	20A	8
9	20A	**SPARE**		0		**SPARE**	20A	10
11	20A	**SPARE**			0	**SPARE**	20A	12
13	20A	**SPARE**	0			**SPARE**	20A	14
15	20A	**SPARE**		0		**SPARE**	20A	16
17	20A	**SPARE**			0	**SPARE**	20A	18
19	20A	**SPARE**	0			**SPARE**	20A	20
21	20A	**SPARE**		0		**SPARE**	20A	22
23	20A	**SPARE**			0	**SPARE**	20A	24
25	20A	**SPARE**	0			**SPARE**	20A	26
27				0				28
29					0			30
31			0					32
33				0				34
35					0			36
37			0					38
39				0				40
41					0			42

TOTAL CONNECTED LOAD PER PHASE (kVA)	2.40	1.30	1.16
TOTAL CONNECTED LOAD	4.86 KVA		13.5 A
TOTAL DEMAND LOAD	4.86 KVA		13.5 A

PANEL DESIGNATION : **ESP1-B1**

VOLTAGE	208Y/120 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	225 A
WIRE	4 W + G			MAIN BUS	225 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE		GROUND BUS	X
FEED THROUGH LUGS	X	NEMA 3R ENCLOSURE	X		

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1			8175			1ST FL LOBBY RECS	20A	2
3	100A	ESP5-B1		7595		1ST FL RECEPTION DESK REC	20A	4
5					5460	1ST FL LOUNGE AREA RECS	20A	6
7	20A	1ST FL GYM REC	1760			1ST FL LOUNGE AREA FLOOR BOX	20A	8
9	15A	1ST FL HEAT PUMPS		2000		1ST FL HEAT PUMPS	15A	10
11					2000			12
13	20A	1ST FL CP-A	2000			1ST FL CP-A	20A	14
15	20A	INTERCOM		500		1ST FL BATHROOM	20A	16
17	20A	**SPARE**			0	**SPARE**	20A	18
19	20A	**SPARE**	0			**SPARE**	20A	20
21	20A	**SPARE**		0		**SPARE**	20A	22
23	20A	**SPARE**			0	**SPARE**	20A	24
25	20A	**SPARE**	0			**SPARE**	20A	26
27	20A	**SPARE**		0		**SPARE**	20A	28
29	20A	**SPARE**			0	**SPARE**	20A	30
31	20A	**SPARE**	0			**SPARE**	20A	32
33	20A	**SPARE**		0		**SPARE**	20A	34
35	20A	**SPARE**			0	**SPARE**	20A	36
37	20A	**SPARE**	0			**SPARE**	20A	38
39	20A	**SPARE**		0		**SPARE**	20A	40
41	20A	**SPARE**			0	**SPARE**	20A	42

TOTAL CONNECTED LOAD PER PHASE (kVA)	11.94	10.10	7.46
TOTAL CONNECTED LOAD	29.49 KVA		81.9 A
TOTAL DEMAND LOAD	29.49 KVA		81.9 A

PANEL DESIGNATION : **HP3-B1**

VOLTAGE	480Y/277 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	60 A
WIRE	4 W + G			MAIN BUS	400 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
N/A	X	NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1			11100			3RD FL LIGHTING	20A	2
3	125A	PP3-B1, PP5-B1, PP7-B1 V/A 75KVA T/F		14500		3RD FL LIGHTING	20A	4
5					10160	4TH FL LIGHTING	20A	6
7	20A	2ND FL LIGHTING	1000			4TH FL LIGHTING	20A	8
9	20A	2ND FL LIGHTING		500		**SPARE**	20A	10
11	20A	**SPARE**			0	**SPARE**	20A	12
13	20A	**SPARE**	0			**SPARE**	20A	14
15	20A	**SPARE**		0		**SPARE**	20A	16
17	20A	**SPARE**			0	**SPARE**	20A	18
19	20A	**SPARE**	0			**SPARE**	20A	20
21	20A	**SPARE**		0		**SPARE**	20A	22
23	20A	**SPARE**			0	**SPARE**	20A	24
25	20A	**SPARE**	0			**SPARE**	20A	26
27	20A	**SPARE**		0		**SPARE**	20A	28
29	20A				0			30
31	20A		0					32
33	20A			0				34
35	20A				0			36
37			2000					38
39	60A	HP7-B1		1000				40
41					1000			42

TOTAL CONNECTED LOAD PER PHASE (kVA)	14.10	16.00	11.16
TOTAL CONNECTED LOAD	41.26 KVA		49.6 A
TOTAL DEMAND LOAD	37.26 KVA		44.8 A

PANEL DESIGNATION : **PP3-B1**

VOLTAGE	208Y/120 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	225 A
WIRE	4 W + G			MAIN BUS	225 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
FEED THROUGH LUGS	X	NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	20A	2ND FL ELEC, METER & TRASH ROOM REC	1080			3RD FL ELEC, METER & TRASH ROOM REC	20A	2
3	20A	2ND FL CORRIDOR REC		2160		3RD FL CORRIDOR REC	20A	4
5	20A	2ND FL CORRIDOR REC			1800	3RD FL CORRIDOR REC	20A	6
7	20A	2ND FL CARDBOARD RM REC	360			3RD FL CARDBOARD RM REC	20A	8
9	20A	2ND FL PODCAST TV REC		1080		3RD FL PODCAST TV REC	20A	10
11	20A	2ND FL POWER FOR SMOKE SHEILD			2000	3RD FL POWER FOR SMOKE SHEILD	20A	12
13	20A	2ND FL PODCAST RM REC	1040			2ND FL FSD	20A	14
15	20A	3RD FL PODCAST RM REC		1040		3RD FL FSD	20A	16
17	20A	**SPARE**			0	**SPARE**	20A	18
19	20A	**SPARE**	0			**SPARE**	20A	20
21	20A	**SPARE**		0		**SPARE**	20A	22
23	20A	**SPARE**			0	**SPARE**	20A	24
25	20A	**SPARE**	0			**SPARE**	20A	26
27	20A	**SPARE**		0		**SPARE**	20A	28
29	20A	**SPARE**			0	**SPARE**	20A	30
31	20A	**SPARE**	0			**SPARE**	20A	32
33	20A	**SPARE**		0		**SPARE**	20A	34
35	20A	**SPARE**			0	**SPARE**	20A	36
37	20A	**SPARE**	0			**SPARE**	20A	38
39	20A	**SPARE**		0		**SPARE**	20A	40
41	20A	**SPARE**			0	**SPARE**	20A	42

TOTAL CONNECTED LOAD PER PHASE (kVA)	2.48	4.28	3.80
TOTAL CONNECTED LOAD	10.56 KVA		29.3 A
TOTAL DEMAND LOAD	10.56 KVA		29.3 A

PANEL DESIGNATION : **EPH3-B1**

VOLTAGE	480Y/277 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	60 A
WIRE	4 W + G			MAIN BUS	100 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
FEED THROUGH LUGS	X	NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	20A	2ND FL LIGHTING	1000			2ND FL LIGHTING	20A	2
3	20A	2ND FL EXIT SIGNS		200		2ND FL EXIT SIGNS	20A	4
5	20A	3RD FL LIGHTING			1000	3RD FL LIGHTING	20A	6
7	20A	3RD FL EXIT SIGNS	200			3RD FL EXIT SIGNS	20A	8
9	20A	4TH FL LIGHTING		1000		4TH FL LIGHTING	20A	10
11	20A	4TH FL EXIT SIGNS			200	4TH FL EXIT SIGNS	20A	12
13	20A	**SPARE**	0			**SPARE**	20A	14
15	20A	**SPARE**		0		**SPARE**	20A	16
17	20A	**SPARE**			0	**SPARE**	20A	18
19	20A	**SPARE**	0			**SPARE**	20A	20
21	20A	**SPARE**		0		**SPARE**	20A	22
23	20A	**SPARE**			0	**SPARE**	20A	24
25	20A	**SPARE**	0			**SPARE**	20A	26
27	20A	**SPARE**		0		**SPARE**	20A	28
29					0			30
31			0					32
33				0				34
35					0			36
37			0					38
39				0				40
41					0			42

TOTAL CONNECTED LOAD PER PHASE (kVA)	1.20	1.20	1.20
TOTAL CONNECTED LOAD	3.60 KVA		4.3 A
TOTAL DEMAND LOAD	3.60 KVA		4.3 A

Mechanical:
Stantec
750 E Main St. Suite 610
Stamford, CT 203.352.1717

Electrical:
Stantec
750 E Main St. Suite 610
Stamford, CT 203.352.1717

Plumbing:
Stantec
750 E Main St. Suite 610
Stamford, CT 203.352.1717

REVISIONS

#	DATE	REVISION DESCRIPTION	BY:
.	03/25/2026	85% CD	--
.	06/26/2026	100% CONSTRUCTION DOCUMENTS	--
-	-		
-	-		
-	-		
-	-	-	
-	-	-	
-	-	-	

PHASE

PERMIT SET

NOT FOR CONSTRUCTION
06/26/2026

PROJECT NAME

MERRITT 7
BUILDING 101

101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595

DRAWN BY: - PROJ. MANAGER: PC

DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE

ELECTRICAL PANEL SCHEDULES SHEET 2

DRAWING NO.

E-602

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PP5-B1

VOLTAGE	208Y/120 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	225 A
WIRE	4 W + G			MAIN BUS	225 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
FEED THROUGH LUGS	X	NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	20A	4TH FL ELEC, METER & TRASH ROOM REC	1080			5TH FL ELEC, METER & TRASH ROOM REC	20A	2
3	20A	4TH FL CORRIDOR REC		2160		5TH FL CORRIDOR REC	20A	4
5	20A	4TH FL CORRIDOR REC			1800	5TH FL CORRIDOR REC	20A	6
7	20A	4TH FL MULTI PURPOSE RM REC	1440			5TH FL MULTI PURPOSE RM REC	20A	8
9	20A	4TH FL POWER FOR SMOKE SHIELD		2000		5TH FL POWER FOR SMOKE SHIELD	20A	10
11	20A	**SPARE**			500	4TH FL FSD	20A	12
13	20A	**SPARE**	500			5TH FL FSD	20A	14
15	20A	**SPARE**		0		**SPARE**	20A	16
17	20A	**SPARE**			0	**SPARE**	20A	18
19	20A	**SPARE**	0			**SPARE**	20A	20
21	20A	**SPARE**		0		**SPARE**	20A	22
23	20A	**SPARE**			0	**SPARE**	20A	24
25	20A	**SPARE**	0			**SPARE**	20A	26
27	20A	**SPARE**		0		**SPARE**	20A	28
29	20A	**SPARE**			0	**SPARE**	20A	30
31	20A	**SPARE**	0			**SPARE**	20A	32
33	20A	**SPARE**		0		**SPARE**	20A	34
35	20A	**SPARE**			0	**SPARE**	20A	36
37	20A	**SPARE**	0			**SPARE**	20A	38
39	20A	**SPARE**		0		**SPARE**	20A	40
41	20A	**SPARE**			0	**SPARE**	20A	42
		TOTAL CONNECTED LOAD PER PHASE (kVA)	3.02	4.16	2.30			
		TOTAL CONNECTED LOAD	9.48 KVA		26.3 A			
		TOTAL DEMAND LOAD	9.48 KVA		26.3 A			

EP5-B1

VOLTAGE	208Y/120 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	60 A
WIRE	4 W + G			MAIN BUS	100 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
N/A		NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	20A	3RD FL DPG	1600			5TH FL DGP	20A	2
3	20A	7TH FL DGP		800		**SPARE**	20A	4
5	20A	7TH FL BDA			800	**SPARE**	20A	6
7	20A	**SPARE**	0			**SPARE**	20A	8
9	20A	**SPARE**		0		**SPARE**	20A	10
11	20A	**SPARE**			0	**SPARE**	20A	12
13	20A	**SPARE**	0			**SPARE**	20A	14
15	20A	**SPARE**		0		**SPARE**	20A	16
17	20A	**SPARE**			0	**SPARE**	20A	18
19	20A	**SPARE**	0			**SPARE**	20A	20
21	20A	**SPARE**		0		**SPARE**	20A	22
23	20A	**SPARE**			0	**SPARE**	20A	24
25	20A	**SPARE**	0			**SPARE**	20A	26
27	20A	**SPARE**		0		**SPARE**	20A	28
29	20A	**SPARE**			0	**SPARE**	20A	30
31	20A	**SPARE**	0			**SPARE**	20A	32
33	20A	**SPARE**		0		**SPARE**	20A	34
35	20A	**SPARE**			0	**SPARE**	20A	36
37	20A	**SPARE**	0			**SPARE**	20A	38
39	20A	**SPARE**		0		**SPARE**	20A	40
41	20A	**SPARE**			0	**SPARE**	20A	42
		TOTAL CONNECTED LOAD PER PHASE (kVA)	1.60	0.80	0.80			
		TOTAL CONNECTED LOAD	3.20 KVA		8.9 A			
		TOTAL DEMAND LOAD	3.20 KVA		8.9 A			

ESP5-B1

VOLTAGE	208Y/120 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	100 A
WIRE	4 W + G			MAIN BUS	100 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
N/A		NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	20A	3RD FL DEDIOCATED IT REC	2400			5TH FL DEDICATED IT REC	20A	2
3	20A	3RD FL DEDIOCATED IT REC		2400		5TH FL DEDICATED IT REC	20A	4
5	20A	3RD FL DEDIOCATED IT REC			2400	5TH FL DEDICATED IT REC	20A	6
7	20A	7TH FL DEDICATED IT REC	2365			5TH FL ACU-1	15A	8
9	20A	7TH FL DEDICATED IT REC		2365				10
11	20A	7TH FL DEDICATED IT REC			1400	5TH FL CP-A	20A	12
13	15A	3RD FL ACU-1	2330			7TH FL ACU-1	15A	14
15				2330				16
17	20A	3RD FL CP-A			400	7TH FL CP-A	20A	18
19	20A	**SPARE**	0			**SPARE**	20A	20
21	20A	**SPARE**		0		**SPARE**	20A	22
23	20A	**SPARE**			0	**SPARE**	20A	24
25	20A	**SPARE**	0			**SPARE**	20A	26
27	20A	**SPARE**		0		**SPARE**	20A	28
29	20A	**SPARE**			0	**SPARE**	20A	30
31	20A	**SPARE**	0			**SPARE**	20A	32
33	20A	**SPARE**		0		**SPARE**	20A	34
35	20A	**SPARE**			0	**SPARE**	20A	36
37	20A	**SPARE**	0			**SPARE**	20A	38
39	20A	**SPARE**		0		**SPARE**	20A	40
41	20A	**SPARE**			0	**SPARE**	20A	42
		TOTAL CONNECTED LOAD PER PHASE (kVA)	7.10	7.10	4.20			
		TOTAL CONNECTED LOAD	18.39 KVA		51.0 A			
		TOTAL DEMAND LOAD	17.99 KVA		49.9 A			

HP7-B1

VOLTAGE	480Y/277 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	60 A
WIRE	4 W + G			MAIN BUS	100 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
FEED THROUGH LUGS	X	NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	20A	5TH FL LIGHTING	1000			5TH FL LIGHTING	20A	2
3	20A	6TH FL LIGHTING		1000		6TH FL LIGHTING	20A	4
5	20A	7TH FL LIGHTING			1000	7TH FL LIGHTING	20A	6
7	20A	8TH FL LIGHTING	1000			8TH FL LIGHTING	20A	8
9	20A	**SPARE**		0		**SPARE**	20A	10
11	20A	**SPARE**			0	**SPARE**	20A	12
13	20A	**SPARE**	0			**SPARE**	20A	14
15	20A	**SPARE**		0		**SPARE**	20A	16
17	20A	**SPARE**			0	**SPARE**	20A	18
19	20A	**SPARE**	0			**SPARE**	20A	20
21	20A	**SPARE**		0		**SPARE**	20A	22
23	20A	**SPARE**			0	**SPARE**	20A	24
25	20A	**SPARE**	0			**SPARE**	20A	26
27	20A	**SPARE**		0		**SPARE**	20A	28
29	20A	**SPARE**			0	**SPARE**	20A	30
31	20A	**SPARE**	0			**SPARE**	20A	32
33	20A	**SPARE**		0		**SPARE**	20A	34
35	20A	**SPARE**			0	**SPARE**	20A	36
37	20A	**SPARE**	0			**SPARE**	20A	38
39	20A	**SPARE**		0		**SPARE**	20A	40
41	20A	**SPARE**			0	**SPARE**	20A	42
		TOTAL CONNECTED LOAD PER PHASE (kVA)	2.00	1.00	1.00			
		TOTAL CONNECTED LOAD	4.00 KVA		4.8 A			
		TOTAL DEMAND LOAD	4.00 KVA		4.8 A			

PP7-B1

VOLTAGE	208Y/120 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	225 A
WIRE	4 W + G			MAIN BUS	225 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
FEED THROUGH LUGS	X	NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	20A	6TH FL ELEC, METER & TRASH ROOM REC	1080			7TH FL ELEC, METER & TRASH ROOM REC	20A	2
3	20A	6TH FL CORRIDOR REC		2160		7TH FL CORRIDOR REC	20A	4
5	20A	6TH FL CORRIDOR REC			1800	7TH FL CORRIDOR REC	20A	6
7	20A	6TH FL MULTI PURPOSE RM REC	1440			7TH FL MULTI PURPOSE RM REC	20A	8
9	20A	6TH FL POWER FOR SMOKE SHIELD		2000		7TH FL POWER FOR SMOKE SHIELD	20A	10
11	20A	8TH FL ELEC, METER & TRASH ROOM REC			1040	6TH FL FSD	20A	12
13	20A	8TH FL CORRIDOR REC	1580			7TH FL FSD	20A	14
15	20A	8TH FL CORRIDOR REC		1400		8TH FL FSD	20A	16
17	20A	8TH FL MULTI PURPOSE RM REC			720	**SPARE**	20A	18
19	20A	8TH FL POWER FOR SMOKE SHIELD	1000			**SPARE**	20A	20
21	20A	**SPARE**		0		**SPARE**	20A	22
23	20A	**SPARE**			0	**SPARE**	20A	24
25	20A	**SPARE**	0			**SPARE**	20A	26
27	20A	**SPARE**		0		**SPARE**	20A	28
29	20A	**SPARE**			0	**SPARE**	20A	30
31	20A	**SPARE**	0			**SPARE**	20A	32
33	20A	**SPARE**		0		**SPARE**	20A	34
35	20A	**SPARE**			0	**SPARE**	20A	36
37	20A	**SPARE**	0			**SPARE**	20A	38
39	20A	**SPARE**		0		**SPARE**	20A	40
41	20A	**SPARE**			0	**SPARE**	20A	42
		TOTAL CONNECTED LOAD PER PHASE (kVA)	5.10	5.56	3.56			
		TOTAL CONNECTED LOAD	14.22 KVA		39.5 A			
		TOTAL DEMAND LOAD	14.22 KVA		39.5 A			

HPR-B1

VOLTAGE	480Y/277 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	400 A
WIRE	4 W + G			MAIN BUS	400 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
FEED THROUGH LUGS	X	NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1			12380			PENTHOUSE MECHANICAL ROOM LIGHTING	20A	2
3	125A	PPR-B1 VIA 75KA T/F		12400		PENTHOUSE MECHANICAL ROOM LIGHTING	20A	4
5					18160	ROOFTOP CUH-B TOP OF STAIR	20A	6
7		RTU-1	10631			ROOFTOP CUH-B TOP OF STAIR	20A	8
9	30A	3#10 + 1#10GND IN 3/4"C		10631		ROOFTOP CUH-B TOP OF STAIR	20A	10
11					10631	ROOFTOP CUH-B TOP OF STAIR	20A	12
13			13837					14
15	35A	ERV-1 3#10 + 1#10GND IN 3/4"C		13837		8TH FL DW/H-3 3#10 + 1#10GND IN 3/4"C	35A	16
17					13837			18
19			7170			**SPARE**	20A	20
21	35A	ERV-2 3#10 + 1#10GND IN 3/4"C		7170		**SPARE**	20A	22
23					7170	**SPARE**	20A	24
25	20A	**SPARE**	0			**SPARE**	20A	26
27	20A	**SPARE**		0		**SPARE**	20A	28
29	20A	**SPARE**			0	**SPARE**	20A	30
31	20A	**SPARE**	0			**SPARE**	20A	32
33	20A	**SPARE**		0		**SPARE**	20A	34
35	20A	**SPARE**			0	**SPARE**	20A	36
37	20A	**SPARE**	0			**SPARE**	20A	38
39	20A	**SPARE**		0		**SPARE**	20A	40
41	20A	**SPARE**			0	**SPARE**	20A	42
		TOTAL CONNECTED LOAD PER PHASE (kVA)	44.02	44.04	49.80			
		TOTAL CONNECTED LOAD	137.85 KVA		165.8 A			
		TOTAL DEMAND LOAD	137.85 KVA		165.8 A			

PPR-B1

VOLTAGE	208Y/120 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	225 A
WIRE	4 W + G			MAIN BUS	225 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
N/A		NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	30A	WINDOW WASHING REC 2#10 + 1#10GND IN 3/4"C	3000			WINDOW WASHING REC 2#10 + 1#10GND IN 3/4"C	30A	2
3				3000				4
5	30A	WINDOW WASHING REC 2#10 + 1#10GND IN 3/4"C			3000	WINDOW WASHING REC 2#10 + 1#10GND IN 3/4"C	30A	6
7			3000					8
9	30A	WINDOW WASHING REC 2#10 + 1#10GND IN 3/4"C		3000		WINDOW WASHING REC 2#10 + 1#10GND IN 3/4"C	30A	10
11					3000			12
13	30A	WINDOW WASHING REC 2#10 + 1#10GND IN 3/4"C	3000			WINDOW WASHING REC 2#10 + 1#10GND IN 3/4"C	30A	14
15				3000				16
17	30A	WINDOW WASHING REC 2#10 + 1#10GND IN 3/4"C			3000	WINDOW WASHING REC 2#10 + 1#10GND IN 3/4"C	30A	18
19			3000					20
21	30A	WINDOW WASHING REC 2#10 + 1#10GND IN 3/4"C		3000		WINDOW WASHING REC 2#10 + 1#10GND IN 3/4"C	30A	22
23					3000			24
25	20A	PENTHOUSE REC	180			**SPARE**	20A	26
27	20A	ROOFTOP FSD		200		**SPARE**	20A	28
29	20A	ROOFTOP REC			2160	ROOFTOP REC	20A	30
31	20A	**SPARE**	0			**SPARE**	20A	32
33	20A	**SPARE**		0		**SPARE**	20A	34
35	20A	**SPARE**			0	**SPARE**	20A	36
37	20A	**SPARE**	0			**SPARE**	20A	38
39	20A	**SPARE**		0		**SPARE**	20A	40
41	20A	**SPARE**			0	**SPARE**	20A	42
43	20A	**SPARE**	0			**SPARE**	20A	44
45	20A	**SPARE**		0		**SPARE**	20A	46
47	20A	**SPARE**			0	**SPARE**	20A	48
49	20A	**SPARE**	0			**SPARE**	20A	50
51	20A	**SPARE**		0		**SPARE**	20A	52
53	20A	**SPARE**			0	**SPARE**	20A	54
55	20A	**SPARE**	0			**SPARE**	20A	56
57	20A	**SPARE**		0		**SPARE**	20A	58
59	20A	**SPARE**			0	**SPARE**	20A	60
61	20A	**SPARE**	0			**SPARE**	20A	62
63	20A	**SPARE**		0		**SPARE**	20A	64
65	20A	**SPARE**			0	**SPARE**	20A	66
67	20A	**SPARE**	0			**SPARE**	20A	68
69	20A	**SPARE**		0		**SPARE**	20A	70
71	20A	**SPARE**			0	**SPARE**	20A	72
73	20A	**SPARE**	0			**SPARE**	20A	74
75	20A	**SPARE**		0		**SPARE**	20A	76
77	20A	**SPARE**			0	**SPARE**	20A	78
79	20A	**SPARE**	0			**SPARE**	20A	80
81	20A	**SPARE**		0		**SPARE**	20A	82
83	20A	**SPARE**			0	**SPARE**	20A	84
		TOTAL CONNECTED LOAD PER PHASE (kVA)	12.18	12.20	14.16			
		TOTAL CONNECTED LOAD	38.54 KVA		107.0 A			
		TOTAL DEMAND LOAD	23.79 KVA		66.0 A			

ELEV-DP-B1

VOLTAGE	480Y/277 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	200 A
WIRE	4 W + G			MAIN BUS	225 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
FEED THROUGH LUGS	X	NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1			500			ELEVATOR PIT LIGHTING	20A	2
3	50A	ELEV-B1 VIA 15KVA T/F		480		TOP OF SHAFT LIGHTING	20A	4
5					10282			6
7			11440			ELEVATOR 1 (REFER TO POWER RISER FOR WIRE SIZE)	60A	8
9	20A	SPF-A		11440				10
11					11440			12
13			11440			ELEVATOR 2 (REFER TO POWER RISER FOR WIRE SIZE)	60A	14
15	20A	SPF-A		11440				16
17					16429			18
19	20A	**SPARE**	14411			ELEVATOR 3 (REFER TO POWER RISER FOR WIRE SIZE)	80A	20
21	20A	**SPARE**		14411				22
23	20A	**SPARE**			0	**SPARE**	20A	24
25	20A	**SPARE**	0			**SPARE**	20A	26
27	20A	**SPARE**		0		**SPARE**	20A	28
29	20A	**SPARE**			0	**SPARE**	20A	30
31			0					32
33				0				34
35					0			36
37			0					38
39				0				40
41					0			42
		TOTAL CONNECTED LOAD PER PHASE (kVA)	37.79	37.77	38.15			
		TOTAL CONNECTED LOAD	113.71 KVA		136.8 A			
		TOTAL DEMAND LOAD	113.71 KVA		136.8 A			

ELEV-B1

VOLTAGE	208Y/120 V	NEUTRAL	100%	QUANTITY OF POLES	42
PHASE	3 Ø	SCC RATING (SYM)	65 K.A.I.C.	MAIN CIRCUIT BREAKER	50 A
WIRE	4 W + G			MAIN BUS	100 A
SURFACE MOUNTED	X	NEMA 1 ENCLOSURE	X	GROUND BUS	X
N/A		NEMA 3R ENCLOSURE			

REMARKS :

CKT #	TRIP	LOAD DESCRIPTION	ØA (VA)	ØB (VA)	ØC (VA)	LOAD DESCRIPTION	TRIP	CKT #
1	20A	ELEV PIT REC	360			ELEV SUMP PIT REC	20A	2
3	20A	ELEV PIT REC		360		ELEV SUMP PIT REC	20A	4
5	20A	ELEV PIT REC			360	ELEV SUMP PIT REC	20A	6
7	20A	ELEVATOR CONTROLS	40			ELEVATOR CONTROLS	20A	8
9	20A	ELEVATOR CONTROLS		20		**SPARE**	20A	10
11	20A	STAIR PRESSURIZATION CONTROL PANEL			500	**SPARE**	20A	12
13	20A	**SPARE**	0			**SPARE**	20A	14
15	20A	**SPARE**		0		**SPARE**	20A	16
17	20A	**SPARE**			0	**SPARE**	20A	18
19	20A	**SPARE**	0			**SPARE**	20A	20
21				0				22
23					0			24
25			0					26
27				0				28
29					0			30
		TOTAL CONNECTED LOAD PER PHASE (kVA)	0.40	0.38	0.86			
		TOTAL CONNECTED LOAD	1.64 KVA		4.6 A			
		TOTAL DEMAND LOAD	1.64 KVA		4.6 A			

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REVISIONS

#	DATE	REVISION DESCRIPTION	BY:
-	03/25/2026	85% CD	--
-	06/26/2026	100% CONSTRUCTION DOCUMENTS	--
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	

PHASE

PERMIT SET

NOT FOR CONSTRUCTION
06/26/2026

PROJECT NAME

MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595

DRAWN BY: - PROJ. MANAGER: PC

DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE

ELECTRICAL PANEL SCHEDULES SHEET 3

DRAWING NO.

E-603

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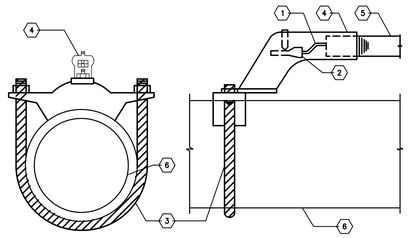
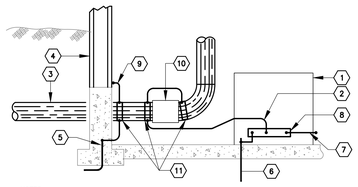
Plotted on 9/3/2025 by jmartinez (Stantec) 2025_10_Landlord panel schedule_R25.rvt



NOTES:

1. GROUNDING ELECTRODE CONDUCTOR
2. CONDUCTOR TERMINAL
3. GROUND CLAMP ASSEMBLY
4. THREADED GROUND HUB OR GROUNDING BUSHING
5. CONDUIT
6. WATER SERVICE PIPE

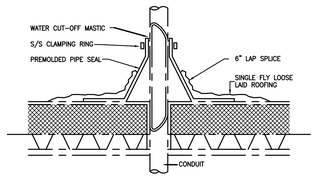
MAIN WATER PIPE ELECTRODE CONNECTION
N.T.S.



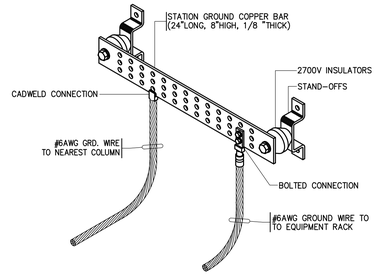
NOTES:

1. SERVICE EQUIPMENT ENCLOSURE
2. GROUNDING ELECTRODE CONDUCTOR
3. COLD WATER GROUNDING ELECTRODE (U.G. METAL PIPE)
4. GROUNDING ELECTRODE (BUILDING STEEL IF APPLICABLE)
5. GROUNDING ELECTRODE (RE-BARS AT BOTTOM OF FOOTING)
6. GROUNDING ELECTRODE (RODS)
7. BOND TO ENCLOSURE (NEUTRAL DISCONNECT LINK IN NYC)
8. NEUTRAL BUS
9. BONDING JUMPER
10. WATER METER WITH JUMPER
11. BRONZE CLAMP (ONE PER JUMPER CABLE)

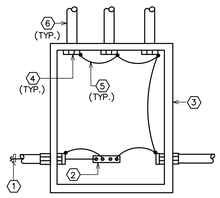
GROUNDING ELECTRODE SYSTEM
N.T.S.



CONDUIT ROOF PENETRATION DETAIL
N.T.S.



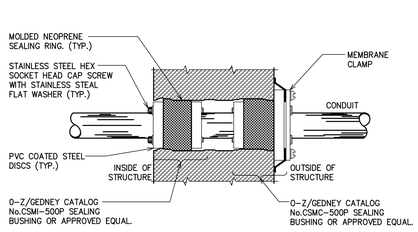
EQUIPMENT GROUNDING BAR ASSEMBLY
N.T.S.



RACEWAY EQUIPMENT GROUNDING SYSTEM
N.T.S.

NOTES:

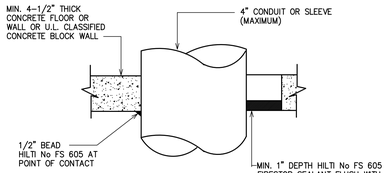
1. SYSTEM EQUIPMENT GROUNDING CONDUCTOR SIZED AS PER NEC TABLE 250.122
2. PANELBOARD EQUIPMENT GROUND BUS
3. SERVICE ENTRANCE EQUIPMENT SWITCHBOARD/ PANELBOARD ENCLOSURE.
4. GROUNDING BUSHING
5. BONDING JUMPER INSTALLED AS PER NEC ARTICLE 250
6. METAL CONDUIT, TYPICAL



EXTERIOR WALL PENETRATION DETAIL
N.T.S.



TOP VIEW

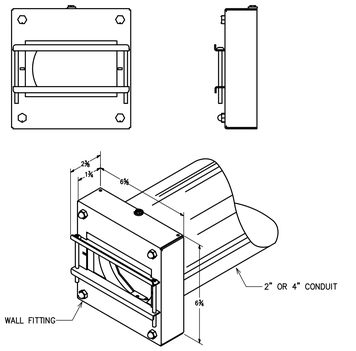


SECTION A-A

DETAIL OF CONDUIT THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL
N.T.S.

NOTES:

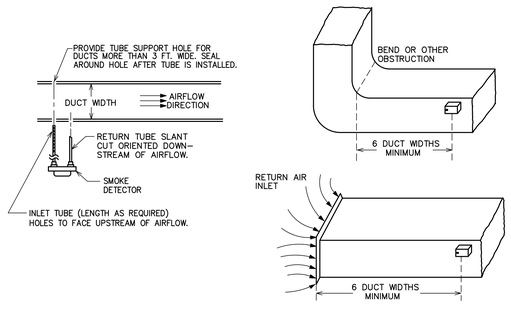
1. CONDUIT MAY BE CENTERED OR OFFSET IN HOLE. MAXIMUM DIAMETER OF HOLE OPENING IS 14 INCHES.
2. TEMPORARY FORMS MAY BE REQUIRED TO SUPPORT THE FIRESTOP SEALANT WHILE IT CURES.
3. FOR CONDUIT SLEEVE INSTALATIONS PROVIDE AROUND CONDUCTORS WITHIN SLEEVE.



TYPICAL CONDUIT THRU-WALL FIRESTOPPING DETAIL
N.T.S.

NOTES:

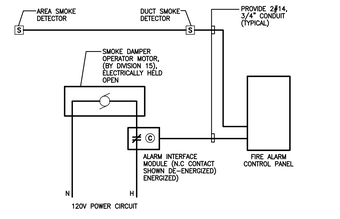
1. CONTRACTOR TO PROVIDE FITTING ON EACH END OF CONDUIT(S). FOR 4" CONDUITS UTILIZE WIREMOLD FLAMSTOPPER CAT No.FS4-FY. FOR 2" CONDUITS UTILIZE WIREMOLD FLAMSTOPPER CAT No.FS2-FY. AT CONTRACTORS OPTION, UTILIZE PRE-CUT 2", 4" CONDUITS, WIREMOLD CAT No.FSPCC2725 OR FSPCC4725 RESPECTIVELY. PRE-CUT CONDUITS ARE 7-5/16" IN LENGTH. PROVIDE ADEQUATE SPACING BETWEEN CONDUIT BANKS TO ALLOW FOR INSTALLATION OF FITTING.
2. DETAIL/SPECIFICATIONS APPLICABLE FOR ALL LOW VOLTAGE CABLING PASSING THROUGH ALL FIRE RATED WALLS. CONTRACTOR SHALL REFERENCE ARCHITECTURAL DRAWINGS FOR RATED WALL LOCATIONS.
3. IF UTILIZED IN CONJUNCTION WITH CABLE TRAY, PROVIDE GROUND HARDWARE AND CONNECTIONS AS REQUIRED.



NOTE:

1. DUCT DETECTOR LOCATIONS SHALL BE DETERMINED IN FIELD WITH ENGINEER AND FIRE ALARM VENDOR.

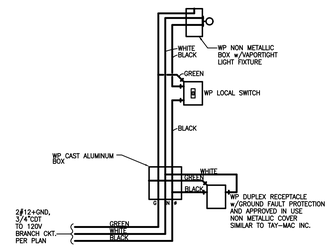
TYPICAL DUCT SMOKE DETECTOR PLACEMENT & INSTALLATION DETAIL (PLAN VIEW)
N.T.S.



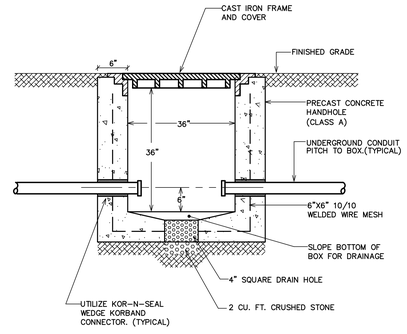
NOTE:

1. ACTIVATION OF AREA SMOKE DETECTOR(S) SHALL SIGNAL FIRE ALARM CONTROL PANEL, WHICH WILL THEN SIGNAL RESPECTIVE SMOKE DAMPER ZONE ADDRESSABLE MODEL (ZAM), OPEN ZAM N.C. CONTACT, INTERUPT POWER TO DAMPER MOTOR AND CAUSE DAMPER TO CLOSE. DAMPER REOPENS ON RESET OF FIRE ALARM SYSTEM.

TYPICAL FIRE ALARM/SMOKE DAMPER INTERFACE
N.T.S.



ROOF TOP MAINTENENCE UNIT LTG/PWR DETAIL
N.T.S.



UNDERGROUND HANDHOLD DETAIL
N.T.S.

NOTES:

1. HANDHOLE DEPTH SHALL BE 36" CLEAR.

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-	06/26/2026	100% CONSTRUCTION DOCUMENTS	--
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PHASE

PERMIT SET

NOT FOR CONSTRUCTION 06/26/2026

PROJECT NAME

MERRITT 7
BUILDING 101

101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595

DRAWN BY: - PROJ. MANAGER: PC

DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE

ELECTRICAL DETAILS SHEET 1

DRAWING NO.

E-701

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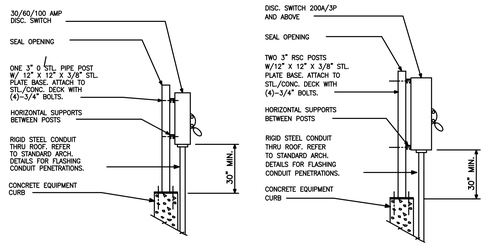
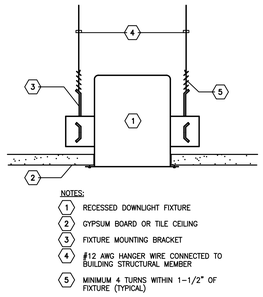
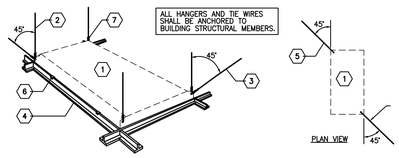


ROOF MOUNTED DISCONNECT SWITCH DETAIL
N.T.S.



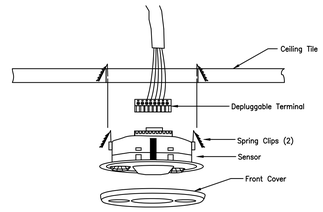
NOTES:
1. RECESSED DOWNLIGHT FIXTURE
2. GYPSUM BOARD OR TILE CEILING
3. FIXTURE MOUNTING BRACKET
4. #12 AWG HANGER WIRE CONNECTED TO BUILDING STRUCTURAL MEMBER
5. MINIMUM 4 TURNS WITHIN 1-1/2" OF FIXTURE (TYPICAL)

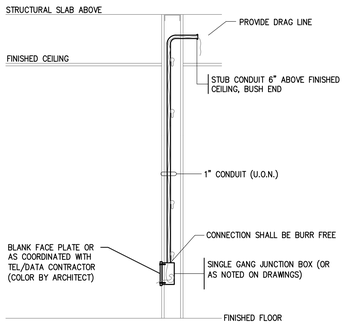
RECESSED DOWNLIGHT SEISMIC BRACING
N.T.S.



NOTES:
1. RECESSED FLUORESCENT LIGHT FIXTURE
2. #12 AWG HANGER WIRE (VERTICAL AT FOUR CORNERS)
3. #12 AWG TIE WIRE (45° DIAGONAL AT OPPOSITE CORNERS)
4. T-BAR GRID (TYPICAL)
5. TIE WIRE
6. CADDY T-BAR CLIP FOR SECURING FIXTURE TO T-BAR GRID (4/FIXT.)
7. MINIMUM 4 TURNS WITHIN FIRST 1-1/2" (VERTICAL)

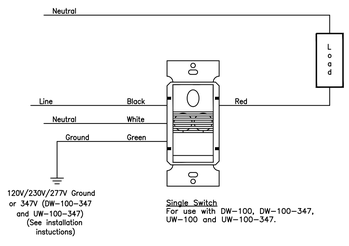
RECESSED LAY-IN FIXTURE SEISMIC BRACING
N.T.S.





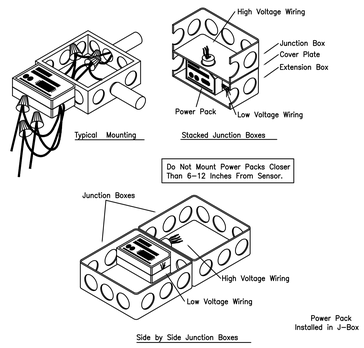
NOTE: ALL DATA AND TEL. CABLING IS BY OTHERS

COMMUNICATION RECEPTACLE DETAIL (TYPCIAL)
N.T.S.

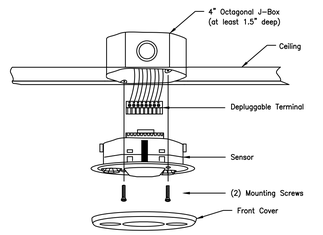


Typical Wiring for Switches
DW-100/DW-100-347/UW-100/UW-100-347

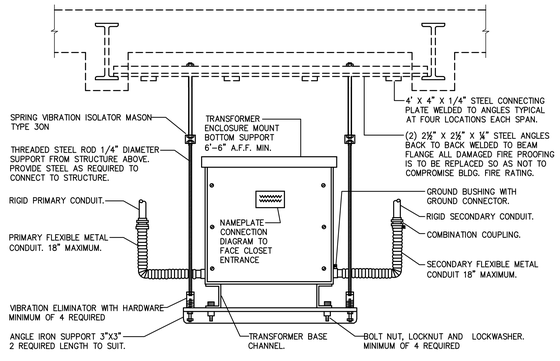
WALL MTD. OCUPANCY SENSOR WIRING DIAGRAM
N.T.S.



POWER PACK INSTALLATION DETAIL
N.T.S.

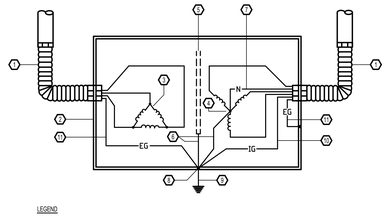


MOUNTING DETAIL FOR CEILING MTD. OCCUPANCY SENSOR
N.T.S.



TRANSFORMER TRAPEZE MOUNTING DETAIL
N.T.S.

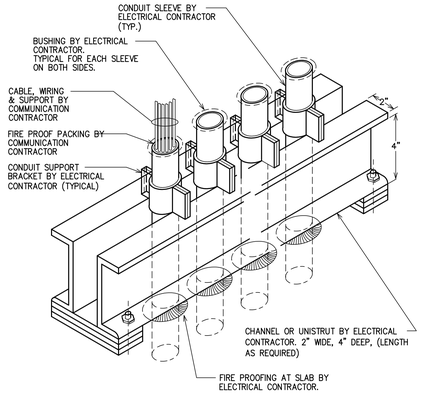
NOTES:
1. HANGING DETAIL APPLIES TO INSTALLATIONS UP TO 75 KVA. INSTALLATIONS ABOVE 75 KVA MUST BE REVIEWED/DESIGNED BY A STRUCTURAL ENGINEER.
2. TRANSFORMER SHALL BE MOUNTED AT MIN. 6'6" A.F.F. TO BOTTOM OF ANGLE IRON.



LEGEND
1. FLEXIBLE METAL CONDUIT INSTALLED AS PER NEC ARTICLE 348
2. TRANSFORMER ENCLOSURE
3. PRIMARY WINDING
4. SECONDARY WINDING
5. ELECTROSTATIC SHIELD
6. BONDING JUMPER SIZED AS PER NEC TABLE 250.66
7. NEUTRAL CONDUCTOR
8. SINGLE POINT GROUND
9. GROUNDING ELECTRODE CONDUCTOR SIZED AS PER NEC TABLE 250.66 RUN IN NON-FERROUS CONDUIT TO METAL WATER PIPING SYSTEM MAIN. PROVIDE ALL REQUIRED GROUNDING HARDWARE.
10. ISOLATED GROUND CONDUCTOR EQUIVALENT IN SIZE TO THE PHASE CONDUCTORS UNLESS OTHERWISE INDICATED ON DRAWINGS.
11. EQUIPMENT GROUNDING CONDUCTOR SIZED AS PER NEC TABLE 250.122

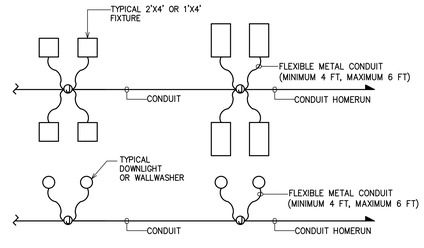
TRANSFORMER INSTALLATION DETAIL
N.T.S.

NOTES:
1. INSTALLATION SHALL BE IN ACCORDANCE WITH NEC ARTICLE 450.



COMMUNICATION CONDUIT VERTICAL SUPPORT DETAIL
N.T.S.

NOTES:
1. ELECTRICAL CONTRACTOR SHALL SUBMIT SHOP DRAWING OF CONDUIT SUPPORT FOR REVIEW BY STRUCTURAL ENGINEER.
2. CONDUIT SUPPORT SHALL BE PROVIDED IN QUANTITIES AS REQUIRED TO ACCOMMODATE ALL VERTICAL COMMUNICATION CONDUITS.



TYPICAL LIGHTING FIXTURE CIRCUITING DETAIL
N.T.S.

NOTE:
1. LIGHTING FIXTURES SHALL BE CIRCUITED IN ACCORDANCE WITH CIRCUIT NUMBER INDICATED ADJACENT TO EACH FIXTURE ON THE LIGHTING DRAWINGS.
2. ARMORED CABLE MAYBE PROPOSED AS AN ALTERNATE TO CONDUIT. REFER TO SPECIFICATION.

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REVISIONS

#	DATE	REVISION DESCRIPTION	BY:
.	03/25/2026	85% CD	--
.	06/26/2026	100% CONSTRUCTION DOCUMENTS	--
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.	-		
.	-		
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PHASE
PERMIT SET

NOT FOR CONSTRUCTION 06/26/2026

PROJECT NAME
MERRITT 7
BUILDING 101
101 MERRITT 7
NORWALK, CT 06851

JOB NO.: 191502595
DRAWN BY: - PROJ. MANAGER: PC
DATE: 09/03/2025 SCALE: AS NOTED

DRAWING TITLE
ELECTRICAL DETAILS SHEET 2

DRAWING NO.
E-702

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