ABBREVIATIONS

A	AMP/AMPERE
ACU	AIR CONDITIONING UNIT
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FURNISHED FLOOR
AHJ	AUTHORITIES HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BDS	BATTERY DIAGNOSTIC SYSTEM
C, CDT	CONDUIT
CAC	COMPUTER ROOM GRADE AIR CONDITIONING UNIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CP	CONDENSATE PUMP
CT	COOLING TOWER
CU	COPPER
DISC	DISCONNECT
DWG	DRAWING
E	EXISTING TO REMAIN
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EHC	ELECTRIC HEAT COIL
ELEC	ELECTRICAL
EM	EMERGENCY
EPO	EMERGENCY POWER OFF
EWH	ELECTRIC HOT WATER HEATER
(ER)	EXISTING TO BE RELOCATED
FA	FIRE ALARM
FBO	FURNISHED BY OTHERS, INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR
FCU	FAN COIL UNIT
FIBO	FURNISHED AND INSTALLED BY OTHERS, WIRED BY THE ELECTRICAL CONTRACTOR
FT	FEET
G, GND	GROUND
GEN	GENERATOR
GFI	GROUND FAULT INTERRUPTER
HZ	HERTZ
IG	ISOLATED GROUND
IDF	INFORMATION DISTRIBUTION FRAME
IT	INFORMATION TECHNOLOGY
JB	JUNCTION BOX
KVA	KILOVOLT AMPERE
KCMIL	THOUSAND CIRCULAR MILS
LCP	LIGHTING CONTROL PANEL
LD	LEAK DETECTOR
LDP	LEAK DETECTION PANEL
LTG	LIGHTING
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MER	MECHANICAL EQUIPMENT ROOM
MLO	MAIN LUG ONLY
MS	MOTORIZED SHADE
MTD	MOUNTED
(N)	NEW
N	NEUTRAL
NE	NEW TO REPLACE EXISTING
NF	NON-FUSED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NTS	NOT TO SCALE
NYCEC	NEW YORK CITY ELECTRIC CODE
NYCECC	NEW YORK CITY ENERGY CONSERVATION CODE
P	POLE
PB	PULL BOX
PDU	POWER DISTRIBUTION UNIT
PH	PHASE
PS	PROJECTION SCREEN
PNL	PANEL
R	REMOVE EXISTING EQUIPMENT
RE	RELOCATED EXISTING (NEW LOCATION)
RECEPT	RECEPTACLE
RGB	REFERENCE GROUND BAR
RM	ROOM
SD	SMOKE DETECTOR
SRG	SIGNAL REFERENCE GROUND BAR
SPEC	SPECIFICATION
SW	SWITCH
SWBD	SWITCHBOARD
TEL	TELEPHONE
TF	TRANSFER FAN
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UNF	UNFUSED
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT/VOLTAGE
VA	VOLTAMPERE
VAV	VARIABLE AIR VOLUME
W	WIRE
WP	WEATHERPROOF
X	REMOVE

POWER LEGEND

A	WALL MOUNTED SPECIAL RECEPTACLE. LETTER DENOTES TYPE.
	WALL MOUNTED DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W NEMA 5-20R.
IG	WALL MOUNTED DUPLEX RECEPTACLE, ISOLATED GROUND, 20A, 125V, 2P, 3W.
GFI	WALL MOUNTED DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTING, 20A, 125V, 2P, 3W.
	WALL MOUNTED DEDICATED DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W NEMA CONFIGURATION 5-20R.
	WALL MOUNTED DOUBLE DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W (GROUNDED) NEMA CONFIGURATION 5-20R, IN 2 GANG BOX.
	SURFACE FLOOR MOUNTED DUPLEX
	WALL MOUNTED DATA OUTLET
	WALL MOUNTED TELEPHONE OUTLET
	WALL MOUNTED TELEPHONE/DATA OUTLET

LIGHTING LEGEND

E–1	BALCONY LIGHT
E	MANSARD WALL MOUNT (UNDERSIDE OF AWNING)
H	SIGN / ACCENT LIGHT
D	SOFFIT RECESSED BALCONY (SUPPLIED BY SIGN SUPPLIER)
D1	WALL PAK LIGHT
S	EXTERIOR SPEAKER
	EMERGENCY LIGHT / EXIT SIGN
	EXTERIOR EMERGENCY LIGHTING
	INTERIOR EMERGENCY LIGHTING
S	INTERIOR SPEAKER
	CRABPOT PENDANT LIGHT
	CYLINDRICAL IPENDANT LIGHT
	MULTI-COLOR PENDANT LIGHT
	RECESSED DOWNLIGHT
	RECESSED SPOTLIGHT
	2 X 4 COMMERCIAL LED TROFFER MOUNT NO LOWER THAN 8'
	2 X 2 COMMERCIAL LED TROFFER MOUNT NO LOWER THAN 8'
	1 X 4 LED FIXTURE
a	20A, 120/277V LIGHTING CONTROL SWITCH ("a" DENOTES LIGHTING FIXTURES CONTROLLED). IF NO LETTER SHOWN SWITCH SHALL CONTROL ALL LIGHT FIXTURES IN THE ROOM OR SPACE.
WP	WEATHERPROOF SWITCH
3	3-WAY LIGHTING CONTROL SWITCH
OC	WALL MOUNTED OCCUPANCY SENSOR
OC	CEILING MOUNTED OCCUPANCY SENSOR

ELECTRICAL LEGEND - RISER

PL-XXX	PANELBOARD
	DISCONNECT SWITCH
	DISCONNECT SWITCH
M	METER AND CURRENT TRANSFORMER
	GROUND CONNECTION
	TRANSFORMER
T	FLOOR MOUNTED TRANSFORMER

ELECTRICAL LEGEND

PNL-1 1	HOMERUN WITH PANEL DESIGNATION. NUMERAL WHERE USED INDICATES CIRCUIT NUMBER. IT SHALL CONSIST OF 2#12-3"C, UNLESS OTHERWISE NOTED.
	CONCEALED WIRING (IN WALL OR CEILING)
	EXPOSED WIRING
J	CEILING MOUNTED JUNCTION BOX
J	WALL MOUNTED JUNCTION BOX
J	SLAB MOUNTED JUNCTION BOX
	MOTOR
	FINAL EQUIPMENT CONNECTION
$T	MANUAL MOTOR SWITCH WITH THERMAL OVERLOAD PROTECTION
J	TOGGLE-TYPE DISCONNECT SWITCH WITH FLEXIBLE EQUIPMENT CONNECTION.
J	ELECTRICAL SYMBOL FOR MISCELLANEOUS CONNECTION: PS-PROJECTION SCREEN PJ-PROJECTION EQUIPMENT MS-MOTORIZED SHADE MD-MOTORIZED DRAPE SEC SECURITY EQUIPMENT FA-FIRE ALARM
	UNFUSED DISCONNECT SWITCH U.O.N.
	FUSED DISCONNECT SWITCH U.O.N.
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH
J	ELECTRICAL SYMBOL FOR MECHANICAL EQUIPMENT CONNECTION. AHU-AIR HANDLING UNIT FVAV-FAN POWERED VAV BOX FCU-FAN COIL UNIT AC-AIR CONDITIONING UNIT VAV-VARIABLE AIR VOLUME BOX UH-UNIT HEATER EHC-ELECTRIC HEAT COIL EWC-ELECTRIC WATER COOLER MD-MOTORIZED DAMPER HWH-HOT WATER HEATER ECH-ELECTRIC CABINET HEATER CP-CONDENSATE PUMP
	NEW SURFACE MOUNTED PANELBOARD
	NEW FLUSH MOUNTED PANELBOARD
T	TRANSFORMER

DRAWING NOTATIONS

#	DRAWING KEYNOTE TAG
A / B	SECTION DESIGNATION ON DRAWING WHERE SECTION IS CUT A-SECTION DESIGNATION B-DRAWING NO.
1	REVISION DELTA

LINE REPRESENTATION

	NEW WIRING
	EXISTING WIRING TO REMAIN
	EXISTING WIRING BE REMOVED
	NEW EQUIPMENT
	EXISTING EQUIPMENT TO REMAIN
ER	EXISTING EQUIPMENT TO BE RELOCATED
RE	RELOCATED POSITION OF EXISTING EQUIPMENT
	EXISTING EQUIPMENT TO BE REMOVED

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Revisions

No.	Description	Date

DOB Approval Stamp:

Popeyes Louisiana Kitchen

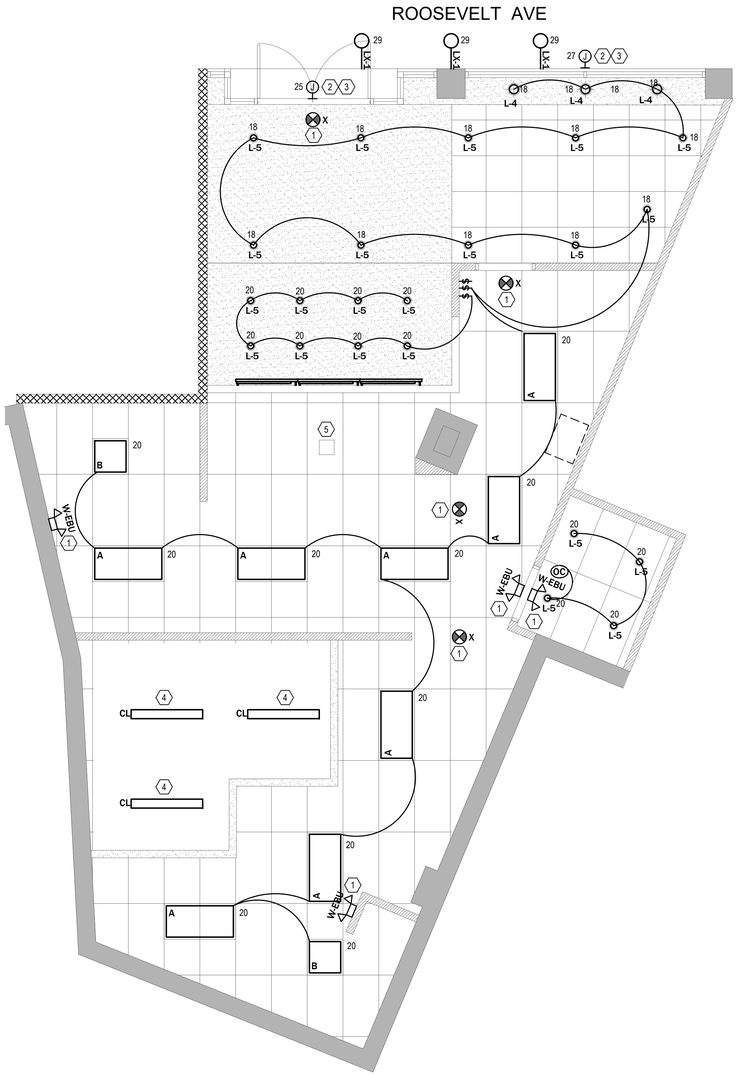
102-18 Roosevelt Avenue
Queens, NY 11368

Electrical
Symbols and Notes

Project No. Z012-20	
Date: 03/10/2021	
Drawn By: RSE	
Scale: Not to Scale	
NY License No. 042821	

DOB NOW Job No:

T-100.00



1 **ELECTRICAL FIRST FLOOR - LIGHTING PLAN**

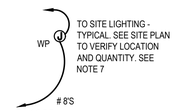
1/4"=1'-0"

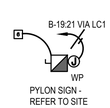
LIGHTING NOTES

1. ALL LIGHTING IS FED FROM PANEL 'B' UNLESS OTHERWISE NOTED.
2. REFER TO DRAWING E-001 FOR GENERAL NOTES AND OCCUPANCY SENSOR SPECIFICATIONS AND NOTES.
3. REFER TO ARCHITECTURAL LIGHTING SPECIFICATION FOR DETAILED FIXTURE INFORMATION.
4. ALL LIGHTING IN EXISTING CORE ROOMS SHALL REMAIN UNLESS OTHERWISE NOTED.
5. REFER TO POWER PLAN DRAWING FOR PANEL LOCATIONS.
6. ALL HOMERUNS SHALL BE INSTALLED IN CONDUIT THROUGHOUT.
7. UNLESS OTHERWISE NOTED, EMERGENCY LIGHTING FIXTURES DESIGNATED WITH EM SHALL BE CONTROLLED BY LIGHTING CONTROL DEVICES. PROVIDE ADDITIONAL SENSING CIRCUIT AHEAD RELAY CONTROL PANEL FOR EM FIXTURES ON LIGHTING CONTROL SYSTEM OR AHEAD OF LIGHTING CONTROL DEVICES FOR FIXTURES NOT ON THE LIGHTING CONTROL SYSTEM. FIXTURES DESIGNATED WITH EM SHALL BE PROVIDED WITH 90 MINUTE INTEGRAL BATTERY BACK UP WITH TEST LIGHT AND TEST SWITCH.
8. ALL SINGLE FACE AND DOUBLE FACE EXIT SIGNS SHALL BE PROVIDED WITH WHITE BACKING. ALL EXIT SIGNS SHALL BE PROVIDED WITH EMERGENCY BATTERY BALLAST.
9. ALL OPEN AREA LIGHTING CIRCUITS SHALL BE CONTROLLED BY THE EATON WAVE LINKS SYSTEM, OCCUPANCY SENSORS, DAY LIGHT CONTROLS, ETC.
10. ALL PRIVATE OFFICES AND ENCLOSED ROOMS SHALL BE PROVIDED WITH A WALL MOUNTED, LINE VOLTAGE LIGHT SWITCH UNLESS OTHERWISE NOTED. SEE ARCHITECTURAL PLANS FOR SWITCH LOCATION. PROVIDE MULTIPLE SWITCHES TO CONTROL EACH FIXTURE TYPE IN AN ENCLOSED ROOM.
11. INFRARED COMPONENT OF ALL CEILING MOUNTED OCCUPANCY SENSORS SHALL BE MASKED TO AVOID NUISANCE TRIPPING IN PRIVATE OFFICES.
12. SET OCCUPANCY/VACANCY SENSOR FOR MANUAL ON, AUTO OFF FUNCTION IN COMPLIANCE WITH NYCECC & LOCAL LAW 48.
13. CONTRACTOR SHALL COMPLY WITH WIRING REQUIREMENTS OF NEW YORK CITY ELECTRICAL CODE, TABLE 310.15(B)(2)(a) FOR ADJUSTMENT FACTORS ASSOCIATED WITH MORE THAN THREE CURRENT CARRYING CONDUCTORS IN A RACEWAY. UTILIZE #10 AWG, SOLID CONDUCTORS, FOR ALL HOMERUNS CONTAINING 4 OR MORE CURRENT CARRYING CONDUCTORS.
14. CONTRACTOR SHALL LIMIT MAXIMUM CURRENT CARRYING CONDUCTORS TO 9 PER CONDUIT. NEUTRAL CONDUCTORS UTILIZED IN 120V SINGLE PHASE CIRCUITS AND SHARED BETWEEN TWO (2) 120V, SINGLE PHASE CIRCUITS ARE DEFINED AS CURRENT CARRYING.
15. ALL FLUORESCENT LIGHTING FIXTURES THAT UTILIZE DOUBLE ENDED LAMPS OR ARE SUPPLIED FROM MULTIWIRE BRANCH CIRCUITS AND CONTAIN BALLASTS THAT CAN BE SERVICED IN PLACE SHALL BE PROVIDED WITH A DISCONNECTING MEANS.
16. ANY ROOM WITH LESS THAN 150 WATTS IN LIGHTS INSTALLED IS EXEMPT FOR DAY LIGHTING SENSORS.
17. CONTRACTOR TO MAINTAIN CONTINUITY OF THE ELECTRICAL LIGHT FIXTURES AND SWITCHES IN THE BATHROOMS.
18. ELECTRICAL CONTRACTOR TO COORDINATE WITH LOW VOLTAGE CONTRACTOR TO RUN CONDUITS FOR ALL LOW VOLTAGE TERMINATIONS.
19. CONTRACTOR SHOULD FOLLOW BUILDING STANDARDS AND CONSTRUCTION RULES FOR ALTERATION CONSTRUCTION.
20. FOR ALL ENERGY RELATED ITEMS IN THIS DESIGN REFER TO 2020 NYCECC.
21. ALL LIGHTS & BALLASTS THAT ARE BEING DISCARDED ARE TO BE RECYCLED AND PROVIDE BUILDING MANAGEMENT WITH WASTE MANIFEST CERTIFICATE.
22. ALL TEMPORARY LIGHTING AND ANY WIRE IN THE CEILING THAT IS NOT BEING USED MUST BE REMOVED AFTER AFTER CONSTRUCTION.
23. POWER AND DATA LINES CANNOT BLOCK OR REST ON FIN TUBE OF VALVES AND MUST NOT BLOCK THE REMOVAL OF CONVECTOR COVERS.

KEY NOTES

1. ALL "EX" EMERGENCY & EXIT LIGHTING FIXTURES SHALL BE CONNECTED AHEAD OF ROOM/AREA SWITCHES PER NATIONAL ELECTRICAL CODE (NEC) ARTICLE 700-12(f).
2. VERIFY THE EXACT LOCATION OF SIGNS BEFORE INSTALLATION OF JUNCTION BOXES.
3. ELECTRICAL CONTRACTOR SHALL VERIFY EXACT SIGN(S) POWER AND WIRING REQUIREMENTS WITH THE SIGN SUPPLIER PRIOR TO SUBMITTING A BID FOR THE ELECTRICAL.
4. PROVIDE RACEWAYS, WIRING, AND LAMPS (F40T8) FOR ALL LIGHT FIXTURES FURNISHED W/ THE FREEZER/COOLER/STORAGE UNIT. LIGHT FIXTURES SHALL BE INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE THE INSTALLATION OF SWITCHES AND PLATES WITH THE EQUIP. SUPPLIER.
5. J-BOX ON HOOD FOR PRE-WIRED HOOD LIGHTS.





NOTE:

REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, EXTERIOR ELEVATIONS AND WALL SECTIONS FOR DIMENSIONED LOCATIONS OF LIGHTING FIXTURES.

NOTE:

CRABPOT LIGHTS AT "H" COUNTER TO BE MOUNTED 84" ABOVE FINISH FLOOR. PENDANT AND CRABPOT LIGHTS AT TABLES TO BE MOUNTED 66" ABOVE FINISH FLOOR.

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Revisions

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Electrical
First Floor
Lighting Plan

Project No. Z012-20	
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NY License No. 042821	

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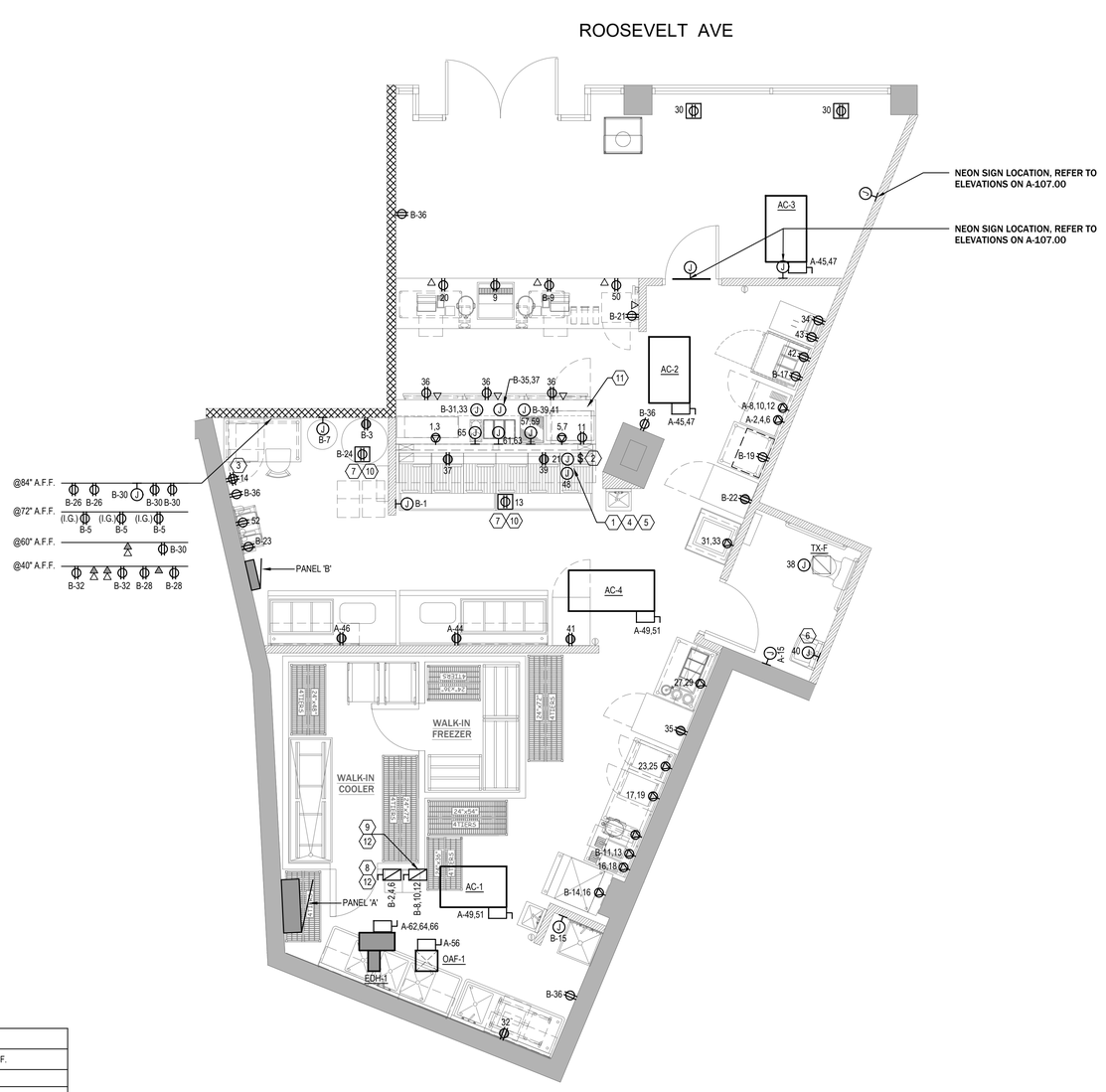


1 ELECTRICAL FIRST FLOOR - POWER PLAN

1/4"=1'-0"

BACK OF HOUSE EQUIPMENT RECEPTACLE SCHEDULE			
TAG	DESCRIPTION	RECEPTACLE	HEIGHT A.F.F.
A10.U3	Fryer Battery, 3 – 20", Gas	SUPPLIED WITH FRYER	
A31	Marinator - (reduced height)	NEMA 5-15	24
A47.3	Ice Batter/Sifter Table, 3 Pans	NEMA 5-15	24
A54	Freezer, Upright	NEMA 5-15	54
A93.1	Grease Collection System, Interior Unit	NEMA 5-15	76
B10	Oven, 1/2 Size, Double Deck Convection, Elec.	NEMA 5-30	24 & 54
B60	Refrigerator, Upright	NEMA 5-15	54
C17	Sandwich Product Holding Unit	NEMA 5-15	72
C18	Refrigerator, Undercounter	NEMA 5-15	24
C21	Toaster, Vertical Contact	NEMA 5-15	46
D20	Microwave Oven	NEMA 6-15	56 & 80
D30	Packing Station w/ Cup Dispenser & Dipper Well	HARD WIRED	24
D81	Chubb Warmer, Elec. Rethermalizer	HARD WIRED	24
D90	Holding Cabinet, Reach - In	NEMA 5-20	76
D96.1	Product Holding Bin - Side Holding Unit	SUPPLIED W/ PRODUCTION COUNTER	
D96.2	Product Holding Bin - Protein Rail Unit	SUPPLIED W/ PRODUCTION COUNTER	
D96.3	Product Holding Bin - Biscuit Warmer Unit	SUPPLIED W/ PRODUCTION COUNTER	
D96.4	Product Holding Bin - Bird Cage Unit	HARD WIRED CONNECTION	
D96.5	Forced Air Fry Holding Unit	COORDINATE W/ EQUIPMENT SUPPLIER	
J40	Refrigerator, Undercounter	SUPPLIED W/ PRODUCTION COUNTER	
K10	Ice Cuber w/ Remote Condenser	NEMA 5-15	84
K10F	Ice Cuber Self Contained (Above Freestyle)	NEMA 5-15	84
K15	Ice Bin, 570 lbs	NEMA 5-15	54
K32F	Soda Freestyle	NEMA 5-15	48
K71	Brewer, Tea & Coffee	NEMA 6-30	80
K42L	Bag - N - Box Rack w/ 2 Carbonators on Shelves (Legacy)	NEMA 5-15	84
M30	Safe	NEMA 5-15	24
N32	Tankless Hot Water Heater	HARD WIRED	PER MANUFACTURER INSTRUCTIONS
P10	Cash Drawer	NEMA 5-15	24
P20	Cash Register	NEMA 5-15 & DATA PORT	24 (AT FRONT COUNTER)
P30	Printer	NEMA 5-15 & DATA PORT	24
Q11	Menuboard, Digital 3 Panels	NEMA 5-15 & JBOX FOR DATA	92
Q12	Pre - Sell Menuboard, Digital 1 Panels	NEMA 5-15 & JBOX FOR DATA	72

P.O.S. NOTES:

1. ALL P.O.S. (POINT OF SALE) CIRCUITS SHALL HAVE AN ISOLATED GROUND WIRE BACK TO THE PANEL. ALL P.O.S. EQUIP. SHALL BE WIRED INDEPENDENTLY OF ANY NON-P.O.S. EQUIPMENT.
2. ALL RECEPTACLES FOR P.O.S. EQUIPMENT SHALL BE ISOLATED GROUND WITH SURGE SUPPRESSOR TYPE. ALL RECEPTACLES FOR P.O.S. EQUIPMENT SHALL BE SINGLE UNIT, UNLESS A DUPLEX RECEPTACLE CAN BE USED TO SUPPLY TWO P.O.S. UNITS. DUPLEX RECEPTACLES MAY BE USED IN THE MANAGER'S OFFICE FOR NON-P.O.S. EQUIPMENT (COMPUTER, MUSIC, FIRE ALARM, SECURITY, ETC.)
3. ALL CIRCUITS FOR P.O.S. EQUIPMENT SHALL BE CONNECTED TO THE SAME PHASE OF POWER IN THE PANEL. ALL BRANCH CIRCUIT BREAKERS SUPPLYING P.O.S. EQUIPMENT SHALL HAVE LOCKING HANDLES DEVICES.
4. EACH RECEPTACLE TYPE (LOCKING OR STRAIGHT BLADE) SHALL MATCH THAT OF THE EQUIPMENT FURNISHED. WHERE P.O.S. EQUIPMENT IS FURNISHED WITHOUT A PLUG THE RECEPTACLE SHALL BE LOCKING TYPE. COORDINATE RECEPTACLE TYPES WITH THE P.O.S. EQUIPMENT SUPPLIER.

GENERAL NOTES:

A. VERIFY MOUNTING HEIGHTS OF ALL RECEPTACLES WITH EQUIPMENT SUPPLIED PRIOR TO INSTALLATION.

B. ALL EQUIPMENT ELECTRICAL OUTLETS ARE DIMENSIONED TO CENTERLINE OF BOX FROM ABOVE FINISHED FLOOR.

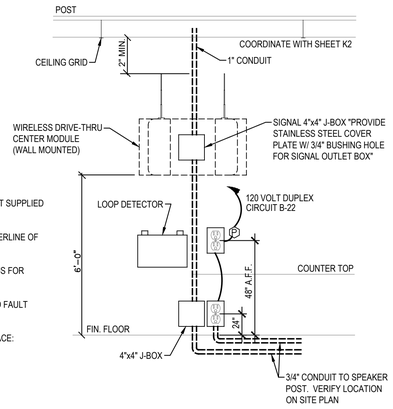
C. ELECTRICAL CONTRACTOR TO PROVIDE CORD & PLUG CONNECTIONS FOR EQUIPMENT AS REQUIRED.

D. ALL 120V, 20A OUTLETS IN THE FOOD PREP AREA SHALL BE GROUND FAULT INTERUPT TYPE.

E. BEFORE PHONE IS INSTALLED, THE FOLLOWING NEEDS TO BE IN PLACE:
E.A. CONDUIT AND PULL STRING
E.B. BACK BOARD - GROUNDED ON FIRE RETARDENT WALL.

F. KVS 3 ON BACK LINE NEEDS TO BE A POLE MOUNT.

G. PROVIDE "UP" OUTLET AT ROOFTOP EQUIPMENT.



POWER PLAN NOTES

1. ALL POWER IF FED FROM PANEL 'A' UNLESS OTHERWISE NOTED.
2. FOR GENERAL NOTES AND SYMBOL LIST, SEE DWG. E- 001.
3. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
4. ALL RECEPTACLES AND MECHANICAL EQUIPMENT SHALL BE CIRCUITED TO THE EXISTING ELECTRICAL PANELS LOCATED IN THE SPACE. REFER TO DRAWING E-401 FOR CIRCUITING REQUIREMENTS.
5. BEFORE BID SUBMISSION AND COMMENCING WORK, CONTRACTOR SHALL FIELD INSPECT SCOPE OF PROJECT, AND SUBMIT A REQUEST OF INFORMATION TO THE ENGINEER FOR ANY DISCREPANCIES OR INCOMPATIBILITIES FOUND BETWEEN DESIGN AND ACTUAL CONDITIONS.
6. 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.
7. ALL BRANCH CIRCUIT WIRING SHALL BE ROUTED CONCEALED IN WALLS AND IN HUNG CEILING CAVITY, U.O.N. FINAL CONNECTIONS TO LIGHTING FIXTURES SHALL BE MADE WITH WIRING HAVING 90°C RATED INSULATION.
8. EQUIPMENT LOCATIONS, WHERE SHOWN, ARE APPROXIMATE. FIELD VERIFY AND REFER TO ARCHITECTURAL DRAWINGS FOR MORE DETAILED DIMENSIONS AND OTHER CONSTRUCTION RELATED INFORMATION.
9. ALL CIRCUITS TO COMPUTERS, LASER PRINTERS, COPIERS, FAX MACHINES AND ANY OTHER LOADS OF NON-LINEAR NATURE OUTLETS SHALL HAVE SEPARATE NEUTRAL WIRES. STANDARD SHARED NEUTRAL HOMERUNS ARE NOT PERMITTED.
10. EXISTING CONDUIT RISER AND PANEL LOCATIONS (WHERE SHOWN) ARE FOR INFORMATIONAL / REFERENCE PURPOSES.
11. WHEN TRANSITIONING EXISTING EQUIPMENT FROM TEMPORARY TO PERMANENT SOURCE, ELECTRICAL CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO SAFE-OFF ALL EXISTING DOWNSTREAM LOADS PRIOR TO RE-ENERGIZING ON NEW PERMANENT POWER. DOWNSTREAM LOADS SHALL BE RE-ENERGIZED ONE AT A TIME SO AS TO ISOLATE SHORT CIRCUITS, VERIFY PROPER CONNECTIONS, PHASE ROTATION, ETC. ELECTRICAL CONTRACTOR SHALL THOROUGHLY VERIFY AND UNDERSTAND EXISTING FIELD CONDITIONS AND PROJECT SCOPE. DEVELOP AND DOUBLE CHECK RESPECTIVE METHODS OF PROCEDURE (MOP) PRIOR TO PERFORMING WORK.
12. CIRCUIT ALL NEW OUTLETS PER CIRCUITING NOTES. ALL OUTLETS (NEW AND EXISTING) SHALL BE LABELED WITH ITS SOURCE PANEL AND CIRCUIT NUMBER. PROVIDE AS-BUILT DRAWINGS SHOWING FINAL CIRCUIT NUMBERS OF ALL DEVICES AT COMPLETION OF WORK.
13. REFER TO ARCHITECTURAL DRAWING FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES AND OUTLETS.
14. CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. THE ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD TO BALANCE THE CIRCUITS EVENLY ON ALL PHASES.
15. CIRCUITS ARE DESIGNATED BY THE NUMBER SHOWN ADJACENT TO EACH RECEPTACLE. WIRING IS SHOWN ONLY UNDER SPECIAL CIRCUMSTANCES. PROVIDE CONDUITS, WIRES, AND BOXES REQUIRED TO ENERGIZE THE EQUIPMENT AS SHOWN.
16. 3/4" SHALL BE THE MINIMUM CONDUIT SIZE. NO.12 THHN SHALL BE MINIMUM WIRE SIZE AND SHALL BE USED FOR ALL BRANCH WIRING UNLESS OTHERWISE NOTED.
17. ALL VOICE/DATA CABLING SHALL BE PROVIDED BY OTHERS. THE ELECTRICAL CONTRACTOR IS ONLY RESPONSIBLE FOR PROVIDING CONDUIT AND BACKBOXES ASSOCIATED WITH THESE EQUIPMENT AND DEVICES. REFER TO TELECOM, SECURITY & CCTV DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS. SUBMIT BID ACCORDINGLY.
18. ACCEPTABLE WIRING METHODS:
    EXPOSED LOCATIONS - EMT CONDUIT
    CONCEALED LOCATIONS - METAL CLAD (TYPE MC) CABLE.
19. ALL RECEPTACLES IN PANTRY SHALL BE 'GFI' TYPE.
20. ALL RECEPTACLES ARE FOR 24 HOUR USE, TIME CLOCK SHALL NOT INCLUDE RECEPTACLES IN THE PROGRAMMING FOR ENERGY CODE REQUIREMENTS.
21. COORDINATE WITH PLUMBING DRAWINGS FOR EXACT LOCATION OF DISCONNECT SWITCH FOR WATER HEATERS SEE PANEL SCHEDULES FOR DISCONNECT AND WIRE SIZE.
22. COORDINATE EXACT LOCATION OF WATER HEATER WITH THE PLUMBING DRAWINGS.
23. ELECTRICAL CONTRACTOR TO COORDINATE WITH LOW VOLTAGE CONTRACTOR TO RUN CONDUITS FOR ALL LOW VOLTAGE TERMINATIONS.
24. CONTRACTOR SHOULD FOLLOW BUILDING STANDARDS AND CONSTRUCTION RULES FOR ALTERATION CONSTRUCTION.

KEY NOTES

1. E.C. SHALL INSTALL AND WIRE RELAY CONTROL PANEL PACKAGE FOR HOOD EXHAUST FAN. PROVIDE POWER AND INTERLOCK CONTROL WIRING FOR CONTROL PANEL AND HOOD FIRE SUPPRESSION SYSTEM. SEE HOOD FAN CONTROL INTERLOCK WIRING DIAGRAM, SHEET M2. MOUNT STARTERS AND CONTROLS ON WALL.
2. "ON/OFF" SELECTOR SWITCH AND PILOT LIGHT IN NEMA 4X STAINLESS STEEL ENCLOSURE MOUNTED ON THE FACE OF THE HOOD. PROVIDED BY HOOD MFR.
3. PROVIDE 3/4" x 18"H x 24"W PLYWOOD TELEPHONE BOARD PAINTED WITH 2 COATS OF "LISTED" FIRE RETARDANT LIGHT GRAY COLOR PAINT AT 96" A.F.F. PROVIDE QUAD RECEPTACLE ADJACENT TO BOARD. PROVIDE #6 CU. GROUND TO SERVICE ENTRANCE GROUND, SEE DETAIL ARCHITECTURAL ELEVATIONS.
4. HOOD ANSUL FIRE SUPPRESSION SYSTEM.
5. MAKE FINAL CONNECTION TO EQUIPMENT.
6. PROVIDE JUNCTION BOX FOR ELECTRIC MOTION SENSING SINK FAUCET POWER.
7. FOR HEAT TRACE AT GREASE RECOVERY UNIT. VERIFY EXACT LOCATION IN FIELD.
8. MAKE FINAL POWER CONNECTION TO WALK-IN COOLER EVAPORATOR, PROVIDE MOTOR SWITCH IN CAST BOX.
9. MAKE FINAL POWER CONNECTION TO WALK-IN FREEZER EVAPORATOR, DEFROSTER, HEAT TAPE AND DOOR HEATER.
10. CONFIRM HEAT TRACE REQUIREMENTS AND LOCATION WITH PLUMBING DRAWINGS.
11. CONFIRM WITH EQUIPMENT SUPPLIER SHOP DRAWINGS FOR EXACT LOCATIONS AND TYPE OF CONNECTIONS FOR EQUIPMENT AND HEAT LIGHTS IN/OR ON PRODUCTION COUNTER.
12. ROUTE ALL CONDUIT ROOF PENETRATIONS THRU (WITHIN) ROOF CURBS FOR THE EQUIPMENT. REFER TO MECH. PLANS FOR CURB DETAILS (TYPICAL).

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Revisions

No.	Description	Date

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LOUISIANA KITCHEN 19 72

Popeyes Louisiana Kitchen

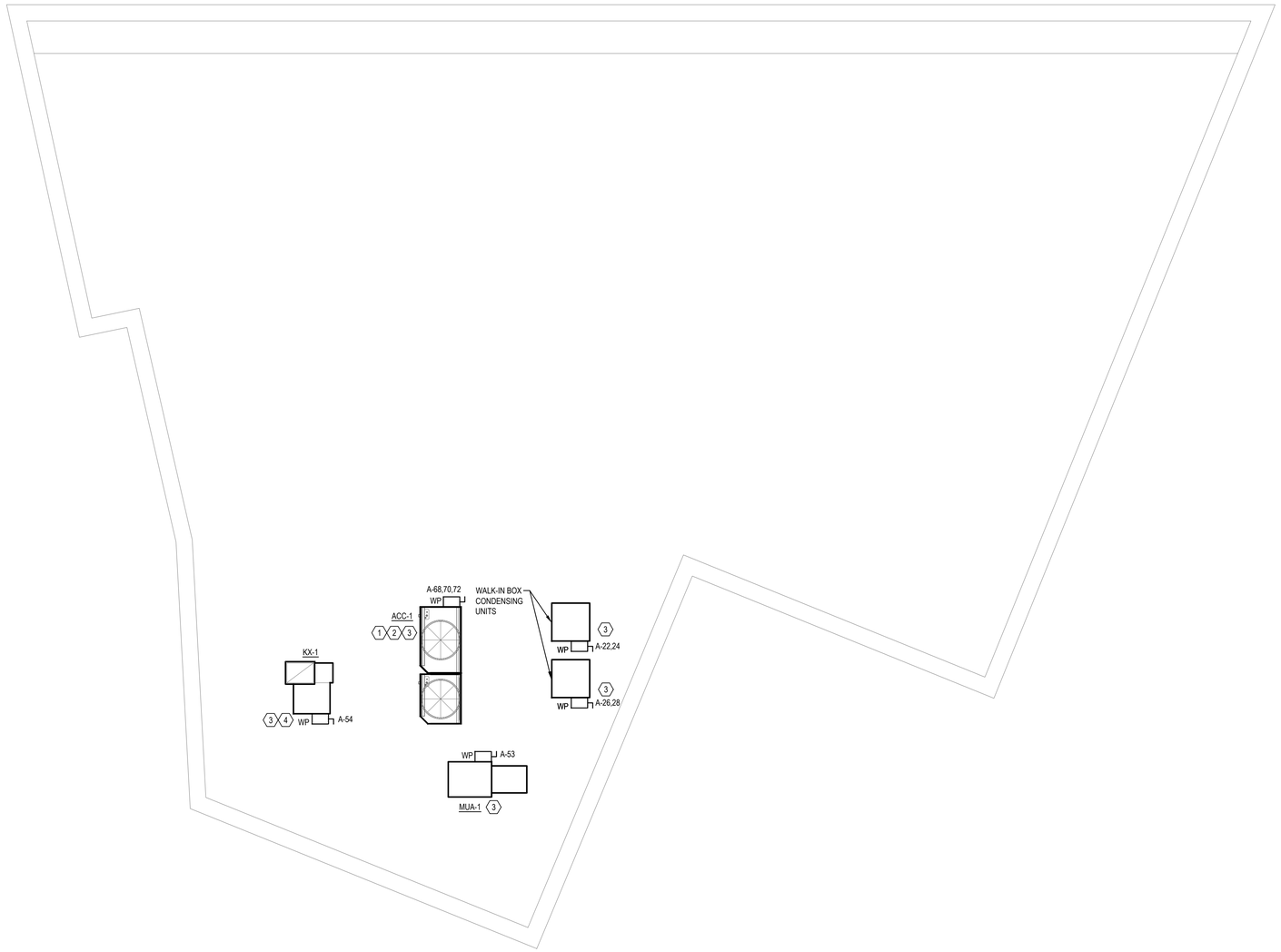
102-18 Roosevelt Avenue
Queens, NY 11368

Electrical
First Floor
Power Plan

Project No. Z012-20	
Date: 03/10/2021	
Drawn By: RSE	
Scale: 1/4" = 1'-0"	
NY License No. 042821	

DOB NOW Job No:

E-302.00



1 **ELECTRICAL PLAN - ROOF**

1/4"=1'-0"

POWER NOTES

1. FOR GENERAL NOTES AND SYMBOL LIST, SEE DWG. E- 001.
2. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
3. REFER TO DRAWING E-601 FOR CIRCUITING REQUIREMENTS.
4. BEFORE BID SUBMISSION AND COMMENCING WORK, CONTRACTOR SHALL FIELD INSPECT SCOPE OF PROJECT, AND SUBMIT A REQUEST OF INFORMATION TO THE ENGINEER FOR ANY DISCREPANCIES OR INCOMPATIBILITIES FOUND BETWEEN DESIGN AND ACTUAL CONDITIONS.
5. EQUIPMENT LOCATIONS, WHERE SHOWN, ARE APPROXIMATE. FIELD VERIFY AND REFER TO ARCHITECTURAL DRAWINGS FOR MORE DETAILED DIMENSIONS AND OTHER CONSTRUCTION RELATED INFORMATION.
6. CIRCUIT ALL NEW OUTLETS PER CIRCUITING NOTES. ALL OUTLETS (NEW AND EXISTING) SHALL BE LABELED WITH ITS SOURCE PANEL AND CIRCUIT NUMBER. PROVIDE AS-BUILT DRAWINGS SHOWING FINAL CIRCUIT NUMBERS OF ALL DEVICES AT COMPLETION OF WORK.
7. CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. THE ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD TO BALANCE THE CIRCUITS EVENLY ON ALL PHASES.
8. CIRCUITS ARE DESIGNATED BY THE NUMBER SHOWN ADJACENT TO EACH RECEPTACLE. WIRING IS SHOWN ONLY UNDER SPECIAL CIRCUMSTANCES. PROVIDE CONDUITS, WIRES, AND BOXES REQUIRED TO ENERGIZE THE EQUIPMENT AS SHOWN.
9. 3/4" SHALL BE THE MINIMUM CONDUIT SIZE. NO.12 THHN SHALL BE MINIMUM WIRE SIZE AND SHALL BE USED FOR ALL BRANCH WIRING UNLESS OTHERWISE NOTED.
10. ACCEPTABLE WIRING METHODS:
    EXPOSED LOCATIONS - EMT CONDUIT
    CONCEALED LOCATIONS - METAL CLAD (TYPE MC) CABLE.
11. ALL RECEPTACLES ARE FOR 24 HOUR USE, TIME CLOCK SHALL NOT INCLUDE RECEPTACLES IN THE PROGRAMMING FOR ENERGY CODE REQUIREMENTS.
12. ELECTRICAL CONTRACTOR TO COORDINATE WITH LOW VOLTAGE CONTRACTOR TO RUN CONDUITS FOR ALL LOW VOLTAGE TERMINATIONS.
13. CONTRACTOR SHOULD FOLLOW BUILDING STANDARDS AND CONSTRUCTION RULES FOR ALTERATION CONSTRUCTION.

KEY NOTES

1. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF MECHANICAL HVAC EQUIPMENT.
2. PROVIDE LOCAL 3P NEMA 3R NON-FUSED DISCONNECT SWITCH ON A/C UNITS LOCATED ON ROOF PER EQUIPMENT NAMEPLATE. PROVIDE LIQUID TIGHT FLEX CONNECTION TO UNIT. REFER TO PANEL SCHEDULES FOR DISCONNECT SWITCH SIZE.
3. ROUTE ALL CONDUIT ROOF PENETRATIONS THRU (WITHIN) ROOF CURBS FOR THE EQUIPMENT. REFER TO MECHANICAL PLANS FOR CURB DETAILS (TYPICAL).
4. E.C. SHALL INSTALL AND WIRE RELAY CONTROL PANEL PACKAGE FOR HOOD EXHAUST FAN. PROVIDE POWER AND INTERLOCK CONTROL WIRING FOR CONTROL PANEL AND HOOD FIRE SUPPRESSION SYSTEM. SEE HOOD FAN CONTROL INTERLOCK WIRING DIAGRAM, SHEET M2. MOUNT STARTERS AND CONTROLS ON WALL.

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Electrical
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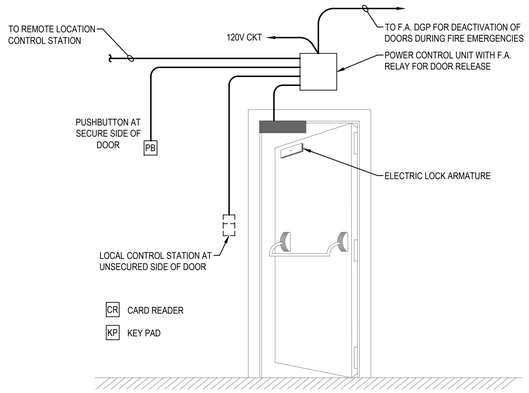
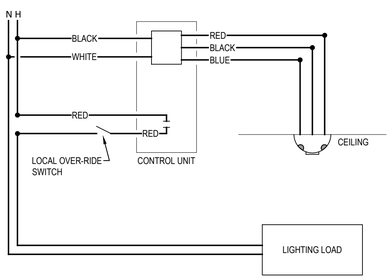


NOTES:
1. MODIFY AS REQUIRED FOR DOUBLE DOORS.
2. EQUIPMENT FURNISHED BY OTHERS, WIRED BY CONTRACTOR.

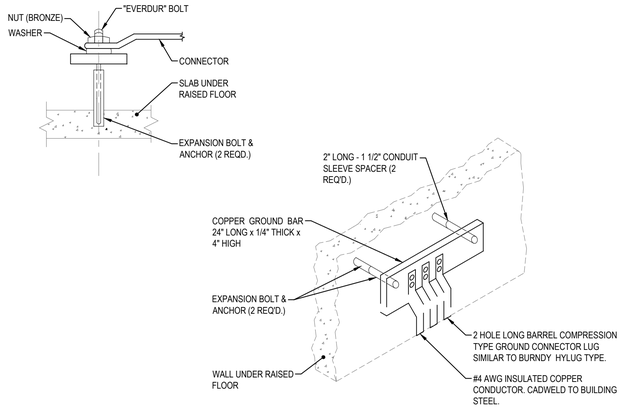
TYPICAL DOOR LAYOUT FOR ELECTROMAGNETIC LOCK SYSTEM

NOT TO SCALE



TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM

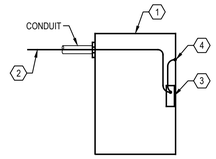
NOT TO SCALE



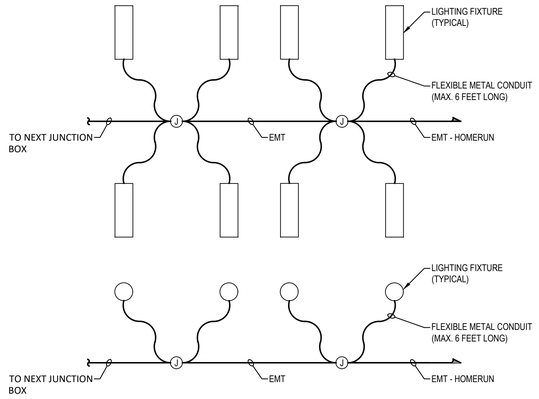
TYPICAL COPPER GROUND BAR

NOT TO SCALE

1. 120/208 VOLT ELECTRIC PANEL ENCLOSURE
2. BRANCH CIRCUIT COPPER EQUIPMENT GROUND CONDUCTOR
3. COPPER EQUIPMENT GROUND BAR
4. BRAZED TO PANEL BACK BOX

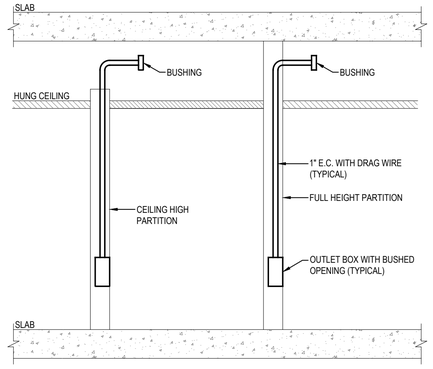


120/208 VOLT PANEL GROUNDING



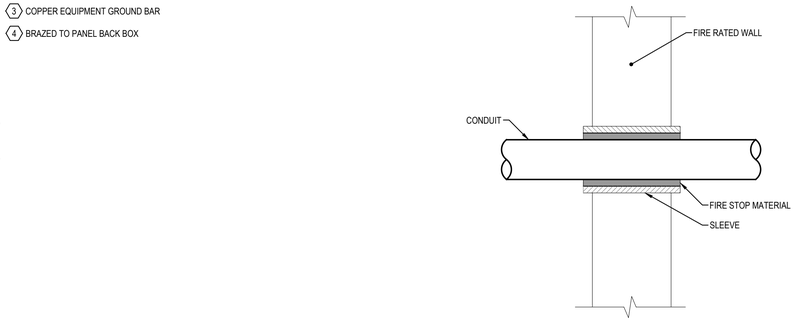
TYPICAL LIGHTING FIXTURE CIRCUITING DETAIL

NOT TO SCALE



TYPICAL EMPTY CONDUITS STUB-UP FOR TELEPHONE & DATA OUTLETS IN OFFICE AREA

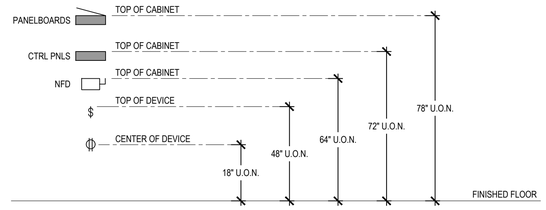
NOT TO SCALE



FIRE RATED WALL CONDUIT PENETRATION

NOT TO SCALE

NOTES:
1. ALL DUPLEX RECEPTACLES SHALL BE MOUNTED VERTICALLY.
2. WHEREVER DEVICES ARE INDICATED TO BE ABOVE DOORS, DEVICE SHALL BE CENTERED BETWEEN TOP OF DOOR TRIM AND CEILING LINE.
3. MOUNTING HEIGHTS SHOWN ON ARCHITECTURAL ELEVATION SHALL GOVERN OVER THOSE SHOWN ABOVE.
4. ALL DEVICES INDICATED TO BE INSTALLED AT DIFFERENT MOUNTING HEIGHTS AND LOCATED WITHIN ONE STUD SPACE FROM EACH OTHER SHALL ALIGN ON THE STUD.



TYPICAL MOUNTING HEIGHTS

NOT TO SCALE

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Electrical Details

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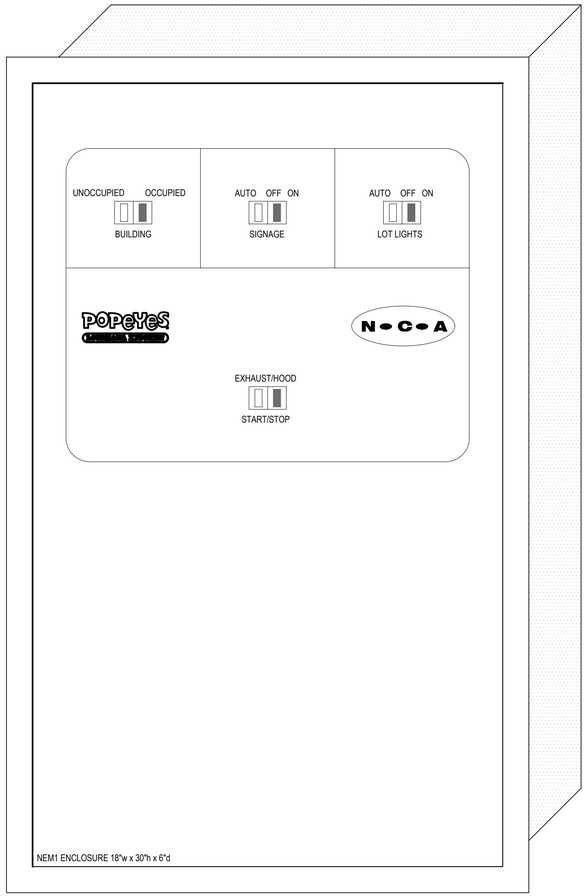
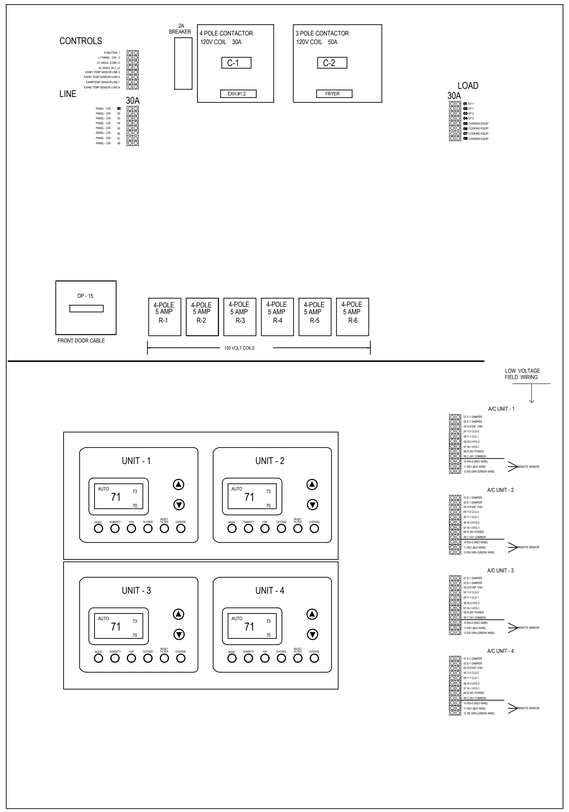
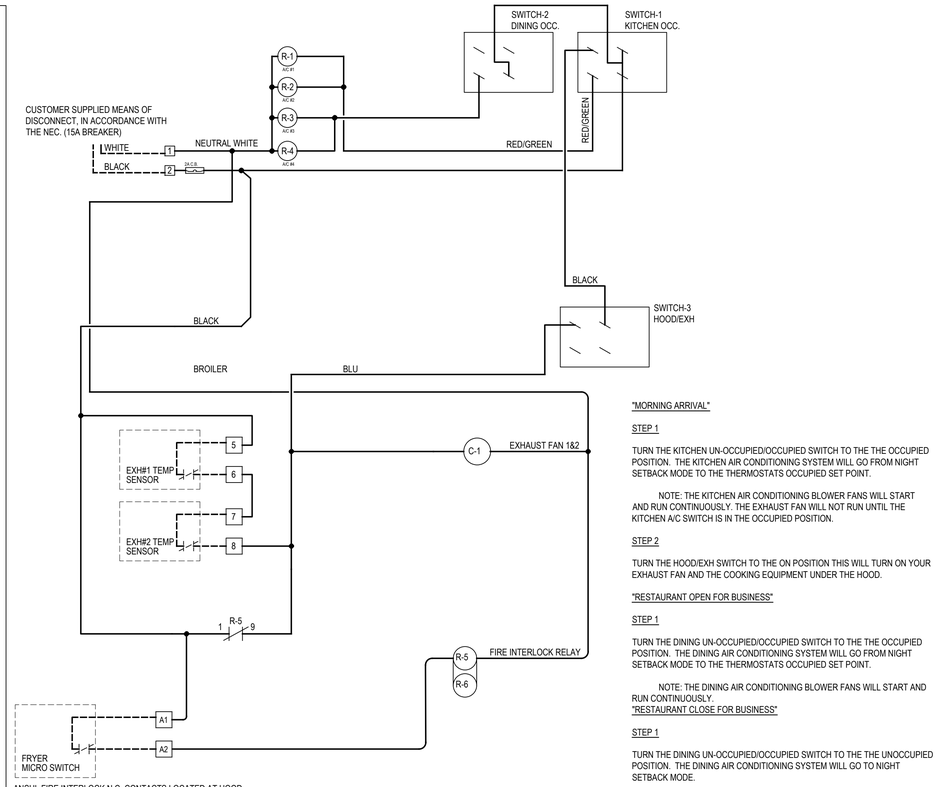




CONTACTOR PANEL--18"wX30"hX6"d

ON-OFF CONTROL PANEL WIRING



ANSUL FIRE INTERLOCK N.C. CONTACTS LOCATED AT HOOD

"MORNING ARRIVAL"

STEP 1

TURN THE KITCHEN UN-OCCUPIED/OCCUPIED SWITCH TO THE THE OCCUPIED POSITION. THE KITCHEN AIR CONDITIONING SYSTEM WILL GO FROM NIGHT SETBACK MODE TO THE THERMOSTATS OCCUPIED SET POINT.

NOTE: THE KITCHEN AIR CONDITIONING BLOWER FANS WILL START AND RUN CONTINUOUSLY. THE EXHAUST FAN WILL NOT RUN UNTIL THE KITCHEN A/C SWITCH IS IN THE OCCUPIED POSITION.

STEP 2

TURN THE HOOD/EXH SWITCH TO THE ON POSITION THIS WILL TURN ON YOUR EXHAUST FAN AND THE COOKING EQUIPMENT UNDER THE HOOD.

"RESTAURANT OPEN FOR BUSINESS"

STEP 1

TURN THE DINING UN-OCCUPIED/OCCUPIED SWITCH TO THE THE OCCUPIED POSITION. THE DINING AIR CONDITIONING SYSTEM WILL GO FROM NIGHT SETBACK MODE TO THE THERMOSTATS OCCUPIED SET POINT.

NOTE: THE DINING AIR CONDITIONING BLOWER FANS WILL START AND RUN CONTINUOUSLY.

"RESTAURANT CLOSE FOR BUSINESS"

STEP 1

TURN THE DINING UN-OCCUPIED/OCCUPIED SWITCH TO THE THE UNOCCUPIED POSITION. THE DINING AIR CONDITIONING SYSTEM WILL GO TO NIGHT SETBACK MODE.

STEP 2

TURN THE EXHAUST FAN SWITCH TO THE OFF POSITION.

"MANAGER/LAST PERSON LEAVING THE BUILDING"

STEP 1

TURN THE KITCHEN UN-OCCUPIED/OCCUPIED SWITCH TO THE UN-OCCUPIED POSITION. THE KITCHENS THERMOSTATS WILL SWITCH FROM THEIR OCCUPIED SETPOINTS TO THIER NIGHTSETBACK SETPOINTS.

NOTE:
ELECTRICAL CONTRACTOR OR HVAC SHALL ORDER THE HVAC CONTROL PANEL BY CALLING MARKETING AT NCA TOLL-FREE (877) 530-0078

NOTE:

THE CONTROL PANEL SHALL BE COMPLETE WHEN SHIPPED TO THE JOB SITE. NO INTERNAL WIRING SHALL BE REQUIRED. MAKE ALL EXTERNAL WIRING CONNECTIONS AS REQUIRED.

ELECTRICAL CONTRACTOR NOTES:

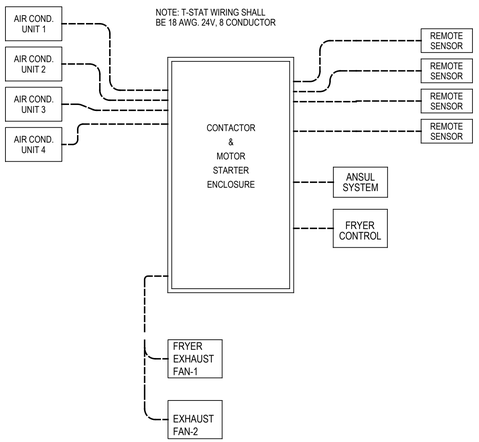
1. RUN ONE (10) CONDUCTOR 18 GAUGE THERMOSTAT CABLE FROM EACH ROOFTOP AIR CONDITIONING UNIT TO THE CONTROL PANEL.

2. RUN ONE (3) CONDUCTOR 18 GAUGE THERMOSTAT CABLE FROM THE CONTROL PANEL TO EACH REMOTE SENSOR LOCATION.

3. RUN ONE (10) CONDUCTOR 18 GAUGE THERMOSTAT CABLE FROM EACH SMOKE DETECTOR TO THE ATTENDANT AUDIO-VISUAL ANNUNCIATOR.

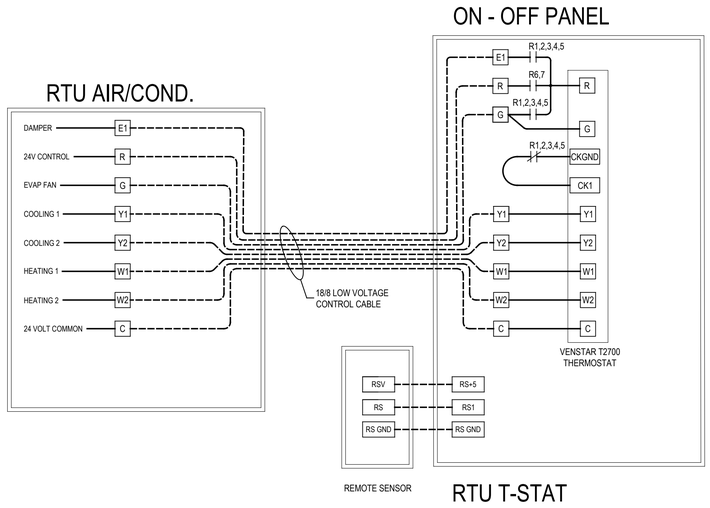
4. TERMINATION OF ALL 24 VOLT AIR CONDITIONING CONTROL WIRING SHALL BE DONE BY THE MECHANICAL CONTRACTOR.

PANEL LAYOUT



CONTROL RISER DIAGRAM

PANEL SCHEMATIC DIAGRAMS



LOW VOLTAGE CONTROL WIRING

ONE AIR CONDITIONING SYSTEM SHOWN

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DOB Approval Stamp:

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Electrical Details

Project No. Z012-20	
Date: 03/10/2021	
Drawn By: RSE	
Scale: Not to Scale	
NY License No. 042821	

DOB NOW Job No:

E-402.00

PANEL DESIGNATION: A - NEW | **MAIN: MAIN CIRCUIT BREAKER**
PANEL LOCATION: KITCHEN | **SHORT CIRCUIT RATING: 22,000**
PANEL RATING: 208Y/120V, 3 PHASE, 4W, 600A | **BRANCH C.B. TYPE: BOLT ON**

CKT No.	LOAD DESCRIPTION	WIRING	C.B. POLE	C.B. AMP	LOAD kVA	PHASE A	PHASE B	PHASE C	LOAD kVA	C.B. AMP	C.B. POLE	WIRING	LOAD DESCRIPTION	CKT No.
1	Dedicated Holding Unit (D94)	3#10+1#10G in 3/4"C	2	30	2.50	6.23			3.73	40	3	4#8+1#10G in 3/4"C	B10 Convection Oven	2
3					2.50		6.23		3.73					4
5					1.44			5.17	3.73					6
7	Holding Unit (D92)	3#12+1#12G in 3/4"C	2	20	1.44	5.17			3.73					8
9	Soda Dispenser (K31)	2#12+1#12G in 3/4"C	1	20	0.18		3.91		3.73	40	3	4#8+1#10G in 3/4"C	B10 Convection Oven	10
11	Undercounter Refrigerator (J40)	2#12+1#12G in 3/4"C	1	20	0.59			4.32	3.73					12
13	Heat Trap	2#12+1#12G in 3/4"C	1	20	1.20	1.56			0.36	20	1	2#12+1#12G in 3/4"C	Tele. Terminal Board	14
15	Hand dryer	2#12+1#12G in 3/4"C	1	20	0.75		2.78		2.03	30	2	3#10+1#10G in 3/4"C	D70 Hot Water Dispenser	16
17	D20 Microw ave	3#12+1#12G in 3/4"C	2	20	1.49			3.52	2.03					18
19					1.49	2.93			1.44	20	1	2#12+1#12G in 3/4"C	POS System	20
21	F15 Exhaust Hood	2#12+1#12G in 3/4"C	1	20	1.00		3.20		2.20	30	2	3#10+1#10G in 3/4"C	Freezer condenser	22
23	D20 Microw ave	3#12+1#12G in 3/4"C	2	20	1.49			3.69	2.20					24
25					1.49	2.69			1.20	20	2	3#12+1#12G in 3/4"C	Cooler condenser	26
27	D30 Hot Food Well	3#12+1#12G in 3/4"C	2	20	0.62		1.82		1.20					28
29					0.62			1.37	0.75	20	1	2#12+1#12G in 3/4"C	Neon Signs	30
31	Chub Warmer (D81)	3#4+1#10G in 1"C	2	60	4.75	5.35			0.60	20	1	2#12+1#12G in 3/4"C	A31 Marinator	32
33					4.75		6.55		1.80	20	1	2#12+1#12G in 3/4"C	Bun Storage (C16)	34
35	D90 Holding Cabinet	2#10+1#10G in 3/4"C	1	25	2.11			3.15	1.04	20	1	2#12+1#12G in 3/4"C	Q11 Menuboard	36
37	A10.U3 Fryer Battery	2#12+1#12G in 3/4"C	1	20	1.02	1.42			0.40	20	1	2#12+1#12G in 3/4"C	TX-F	38
39	A10.U3 Fryer Battery	2#12+1#12G in 3/4"C	1	20	1.02		1.74		0.72	20	1	2#12+1#12G in 3/4"C	Faucets	40
41	(A54) Freezer	2#12+1#12G in 3/4"C	1	20	1.08			1.67	0.59	20	1	2#12+1#12G in 3/4"C	C18 Undercounter Refrigerator	42
43	Toaster (C21)	2#12+1#12G in 3/4"C	1	20	1.80	2.08			0.28	20	1	2#12+1#12G in 3/4"C	A47.4 - Ice Batter/Sifter Table	44
45	AC-2 & AC-3	3#12+1#12G in 3/4"C	2	20	0.68		0.96		0.28	20	1	2#12+1#12G in 3/4"C	A47.3 - Ice Batter/Sifter Table	46
47					0.68			0.98	0.30	20	1	2#12+1#12G in 3/4"C	Hood Controls	48
49	AC-1 & AC-4	3#12+1#12G in 3/4"C	2	20	1.16	1.76			0.60	20	1	2#12+1#12G in 3/4"C	Safe	50
51					1.16		1.64		0.48	20	1	2#12+1#12G in 3/4"C	Water Filter	52
53	MUA-1	2#12+1#12G in 3/4"C	1	20	1.20			3.12	1.92	20	1	2#12+1#12G in 3/4"C	KX-1	54
55	Spare		1	20		0.74			0.74	20	1	2#12+1#12G in 3/4"C	OAF-1	56
57	Fry Dump Heat Panel	3#12+1#12G in 3/4"C	2	20	0.65		0.65			20	1		Spare	58
59					0.65			0.65		20	1		Spare	60
61	Hot Food Well	3#12+1#12G in 3/4"C	2	20	0.62	3.96			3.34	40	3	4#8+1#10G in 3/4"C	EDH-1	62
63					0.62		3.96		3.34					64
65	Display Light	2#12+1#12G in 3/4"C	1	20	0.60			3.94	3.34					66
67	Panel 'B'	4#1/0+1#6G in 2"C	3	150	13.99	24.91			10.92	110	3	4#1+1#6G in 1 1/2"C	ACC-1	68
69					15.29		26.21		10.92					70
71					13.55			24.47	10.92					72
	CONNECTED LOAD PER PHASE IN kVA					58.80	59.65	56.04						
	TOTAL CONNECTED LOAD IN kVA					174.50								
	WEIGHTED AVERAGE DEMAND FACTOR					0.84								
	TOTAL DEMAND LOAD IN kVA					147.08								
	TOTAL DEMAND LOAD IN AMPS					408.27								

PANEL TYPE: NEMA 1
MOUNTING: SURFACE
COPPER BUS EQUIP. GROUND BAR & CLASS B SURGE PROTECTOR
DOOR-IN DOOR TYPE

PANEL DESIGNATION: B - EXISTING | **MAIN: MAIN CIRCUIT BREAKER**
PANEL LOCATION: KITCHEN | **SHORT CIRCUIT RATING: 22,000**
PANEL RATING: 208Y/120V, 3 PHASE, 4W, 150A | **BRANCH C.B. TYPE: BOLT ON**

CKT No.	LOAD DESCRIPTION	WIRING	C.B. POLE	C.B. AMP	LOAD kVA	PHASE A	PHASE B	PHASE C	LOAD kVA	C.B. AMP	C.B. POLE	WIRING	LOAD DESCRIPTION	CKT No.
1	Ansul system	2#12+1#12G in 3/4"C	1	20	1.00	1.62			0.62	20	3	4#12+1#12G in 3/4"C	Walk In Cooler	2
3	A93.1 Grease Collection System	2#12+1#12G in 3/4"C	1	20	1.20		1.82		0.62					4
5	POS System	2#12+1#12G in 3/4"C	1	20	1.44			2.06	0.62					6
7	Heat trace	2#12+1#12G in 3/4"C	1	20	0.28	0.93			0.65					8
9	POS System	2#12+1#12G in 3/4"C	1	20	1.44		2.09		0.65	20	3	4#12+1#12G in 3/4"C	Walk In Freezer	10
11	D70 Hot Water Dispenser	3#10+1#10G in 3/4"C	2	30	2.03			2.68	0.65					12
13					2.03	3.27			1.24	20	2	3#12+1#12G in 3/4"C	Ice Machine (K10)	14
15	Water Heaters	2#12+1#12G in 3/4"C	1	20	0.96		2.20		1.24					16
17	Sandw ich Holding Unit (C17)	2#12+1#12G in 3/4"C	1	20	1.44			1.94	0.50	20	1	2#12+1#12G in 3/4"C	Lighting Customer Area	18
19	Biscuit Holding (B65)	2#12+1#12G in 3/4"C	1	20	0.54	1.24			0.70	20	1	2#12+1#12G in 3/4"C	Lighting BOH	20
21	Q12 Pre-Sell Menuboard, Digital	2#12+1#12G in 3/4"C	1	20	0.50		1.94		1.44	20	1	2#12+1#12G in 3/4"C	B60 Refrigerator	22
23	Carbonator (K42)	2#12+1#12G in 3/4"C	1	20	0.86			2.06	1.20	20	1	2#12+1#12G in 3/4"C	Heat Trap	24
25	Building Signage	2#12+1#12G in 3/4"C	1	20	1.00	1.54			0.54	20	1	2#12+1#12G in 3/4"C	Security System	26
27	Building Signage	2#12+1#12G in 3/4"C	1	20	1.00		1.36		0.36	20	1	2#12+1#12G in 3/4"C	Office Receptacles	28
29	Exterior Lighting	2#12+1#12G in 3/4"C	1	20	0.25			0.97	0.72	20	1	2#12+1#12G in 3/4"C	Music/Sound	30
31	Heat Lamps (Birdcage)	3#12+1#12G in 3/4"C	2	20	1.56	2.28			0.72	20	1	2#12+1#12G in 3/4"C	Computer Equipment	32
33					1.56		2.76		1.20	20	1	2#12+1#12G in 3/4"C	Heat Trap	34
35	Heat Lamps (Birdcage)	3#12+1#12G in 3/4"C	2	20	1.56			2.28	0.72	20	1	2#12+1#12G in 3/4"C	Convenience Receptacles	36
37	Heat Lamps (Birdcage)	3#12+1#12G in 3/4"C	2	20	1.56	3.12			1.56	20	2	3#12+1#12G in 3/4"C	Heat Lamps (Birdcage)	38
39					1.56		3.12		1.56					40
41					1.56			1.56		20	1		Spare	42
	CONNECTED LOAD PER PHASE IN kVA					13.99	15.29	13.55						
	TOTAL CONNECTED LOAD IN kVA					42.84								
	WEIGHTED AVERAGE DEMAND FACTOR					0.88								
	TOTAL DEMAND LOAD IN kVA					37.54								
	TOTAL DEMAND LOAD IN AMPS					104.20								

PANEL TYPE: NEMA 1
MOUNTING: SURFACE
COPPER BUS EQUIP. GROUND BAR & CLASS B SURGE PROTECTOR
DOOR-IN DOOR TYPE

DEMAND FACTORS AND LOAD CALCULATION								
LIGHTING LOAD	9.46	kVA	x	125%	=	11.8	kVA
AIR CONDITIONING LOAD	47.06	kVA	x	100%	=	47.1	kVA
ELECTRIC HEAT LOAD	13.90	kVA	x	100%		13.9	kVA
VENTILATION LOAD	5.26	kVA	x	100%	=	5.3	kVA
WATER HEATER	0.96	kVA	x	100%		1.0	kVA
RECEPTACLE LOAD	12.79	kVA	x	100%	=	12.8	kVA
KITCHEN EQUIPMENT	85.07	kVA	x	65%	=	55.3	kVA
TOTAL LOAD	174.50				=	147.1	kVA
@ 120/208V, 3ϕ, 4W						408	AMPS

NOTE TO CONTRACTORS

1. ALL CONTRACTORS PRIOR TO BID SUBMISSION PROCESS SHALL VISIT PROPOSED WORK SITE AND FIELD VERIFY ALL EXISTING CONDITIONS. ANY CONDITIIOON THAT DIFFERS FROM THAT SHOWN ON THESE PLANS SHALL BE REPORTED TO THE TENANT'S ARCHITECT/ENGINEER SO THAT NEW AND REVISED BID DRAWINGS OR INFORMATION MAY BE ISSUED. MODIFICATIONS TO THE SCOPE OF WORK WHICH RESULTS FROM THE CONTRACTORS NEGLECT TO VISIT THE SITE PRIOR TO SUBMITTING BID, SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY TO OBTAIN UTILITY AIC RATING PRIOR TO PURCHASING PANELS OR CIRCUIT BREAKERS. IF AVAILABLE AIC RATING FROM UTILITY IS DIFFERENT THAN WHAT IS SHOWN ON PANEL SCHEDULES, UTILITY AIC RATING SHALL PREVAIL.

PANEL SCHEDULES NOTES

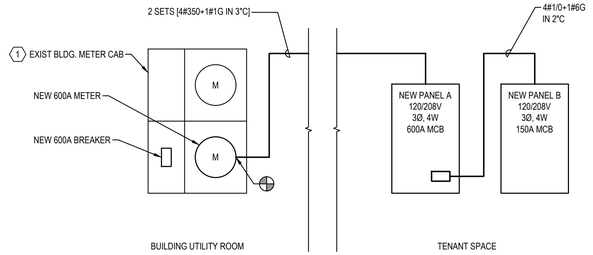
1. CIRCUIT NUMBERS ARE FOR REFERENCE ONLY. CIRCUIT NUMBERS ARE INTENDED TO BE USED FOR QUANTITIES AND FOR DESIGNATING WHAT OUTLETS (FIXTURES, EQUIPMENT, ETC.) WILL BE ON THE SAME CIRCUIT. CONTRACTOR SHALL REARRANGE CIRCUITS PER FIELD CONDITIONS SO THAT LOAD VALUES FOR EACH PHASE DO NOT EXCEED CODE REQUIREMENTS AND TO BALANCE THE LOADS AT THE PANELS PER SPECIFICATIONS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUITS WITH PROPER PHASE SEQUENCES FOR EVERY REQUIRED NEUTRAL WIRE THAT IS SHARED. ELECTRICAL CONTRACTOR SHALL DOCUMENT ALL AFFECTED CIRCUITS, LABEL EACH OUTLET COVER WITH ACTUAL PANEL DESIGNATION AND CIRCUIT NUMBER, AND PROVIDE AS-BUILT PANEL DIRECTORIES AND DRAWINGS PER SPECIFICATIONS.
2. CONTRACTOR MUST TRACE ALL EXISTING CIRCUITS PRIOR TO ANY DEMOLITION.
3. PROVIDE A LOCAL DISCONNECT SWITCH FOR ALL WATER HEATERS IN THE PANEL SCHEDULE AS PER THE SIZE INDICATED. COORDINATE EXACT LOCATION WITH PLUMBING DRAWINGS.

GENERAL NOTES

1. SEE SCOPE OF WORK FOR DETAILS REGARDING OWNER SUPPLIED AND/OR INSTALLED PRODUCTS. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL OTHER ASPECTS OF THE PROJECT
2. IF UTILITY COMPANY PROPOSES A SERVICE DIFFERENT FROM THAT ILLUSTRATED, CONTACT THE CONSTRUCTION ENGINEER FOR A DECISION BEFORE PROCEEDING. COORDINATE AVAILABLE SHORT CIRCUIT CURRENT W/ LOCAL UTILITY AND PROVIDE CIRCUIT BREAKERS W/ SUFFICIENT INTERRUPTING CAPACITY.
3. COORDINATE CT METERING COMPARTMENT SIZE WITH LOCAL UTILITY COMPANY, THE LOCAL ELECTRICAL INSPECTOR AND THE NATIONAL ELECTRICAL CODE TO MEET ALL REQUIREMENTS BEFORE PURCHASE AND INSTALLATION. NEW METER BY LOCAL UTILITY COMPANY.

KEY NOTES

(1) VERIFY AVAILABLE FAULT CURRENT AT SERVICE ENTRANCE WITH THE UTILITY COMPANY. IF THE AIC RATING AS INDICATED IS NOT SUFFICIENT, CONTACT PROJECT MANAGER AND ENGINEER PRIOR TO BID/PRICING TO UPDATE EQUIPMENT RATING.



PARTIAL SINGLE LINE DIAGRAM

SCALE: NOT TO SCALE

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Revisions

No.	Description	Date

DOB Approval Stamp:

Popeyes Louisiana Kitchen

102-18 Roosevelt Avenue
Queens, NY 11368

Electrical Schedules

Project No. Z012-20
Date: 03/10/2021
Drawn By: RSE
Scale: Not to Scale
NY License No. 042821

DOB NOW Job No:

E-601.00