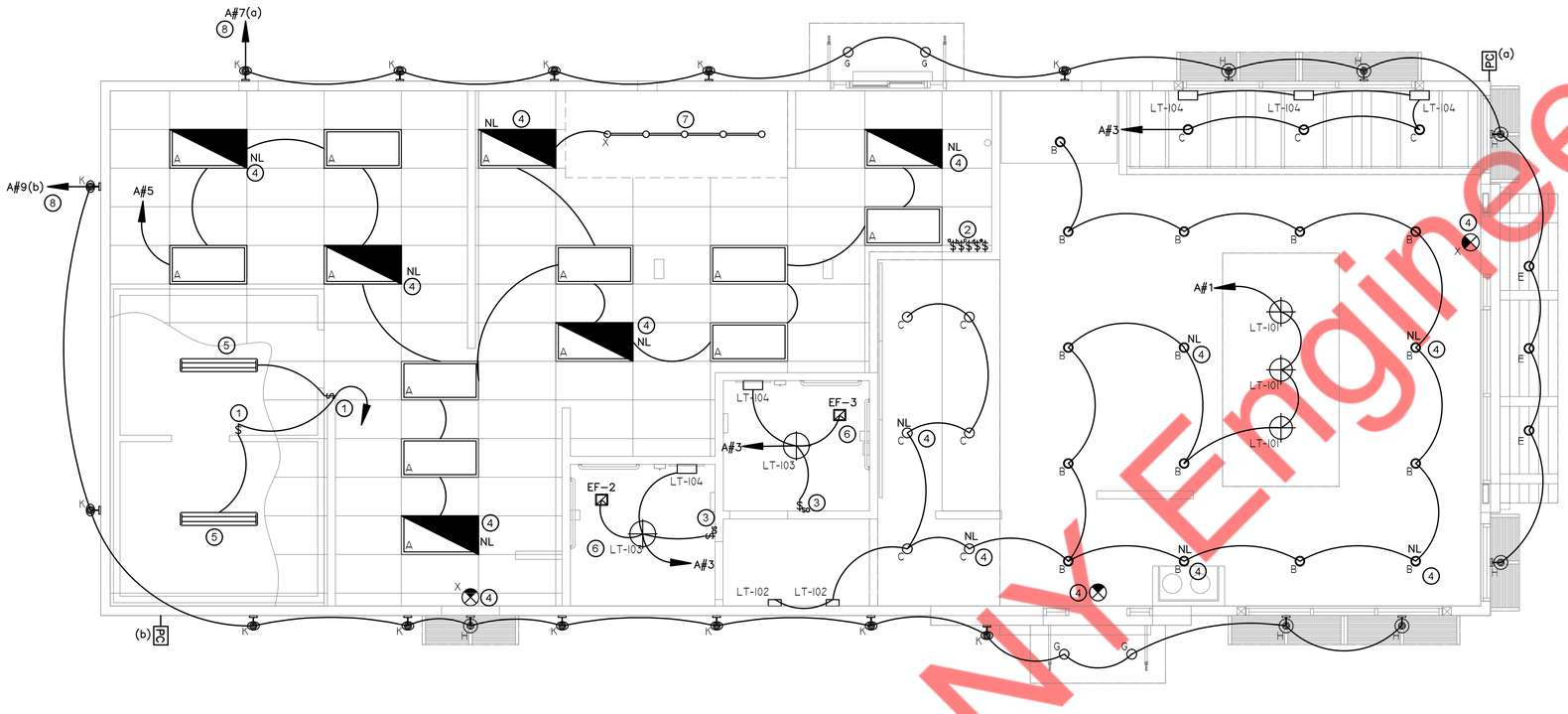


LIGHTING DIAGRAM 1
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1.	REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT FIXTURE LOCATIONS.
2.	CONFIRM LIGHTING FIXTURE QUANTITIES WITH SUPPLIER.
3.	ALL CONDUITS ENTERING OR LEAVING COOLER/FREEZER SHALL BE PROVIDED WITH SEAL-OFF FITTING WITH COMPOUND PER NEC 300-(7a).
4.	UNLESS NOTED OTHERWISE ON THE PLAN ALL ELECTRICAL LIGHT FIXTURE HEIGHTS SHALL BE FOLLOWED PER THE LIGHTING FIXTURE SCHEDULE.
5.	ALL EMERGENCY LIGHTING AND EXIT SIGNAGE SHALL BE CONNECTED AHEAD OF SWITCHING FOR CONTINUOUS OPERATION.
6.	PLENUM RATED CABLE TO BE USED WHERE REQUIRED WITHIN PLENUM RATED SPACES ABOVE CEILING.
7.	CONTRACTOR TO FIELD VERIFY CEILING TYPE AND PROVIDE PROPER MOUNTING HARDWARE.

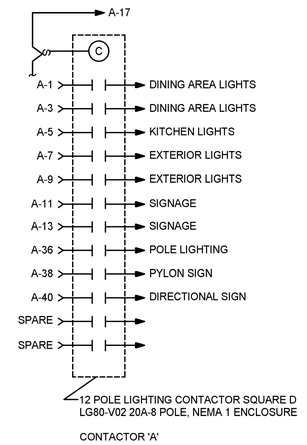
KEY NOTES

1	PROVIDE SEAL-OFFS AT ALL COOLER WALL PENETRATIONS.
2	SWITCHBANK FOR LIGHTING CONTROL. CONNECT TO FIXTURES AS INDICATED.
3	DUAL RELAY MULTI-TECH WALL SWITCH OCCUPANCY SENSOR WITH 10 MIN DELAYED-OFF FOR SECOND RELAY, 120/277V. LEVITION, MODEL #OSSMD-FTx.
4	WIRE ALL EMERGENCY, EXIT, AND NIGHT LIGHTS AHEAD OF SWITCHING FOR CONTINUOUS OPERATION.
5	CONNECT TO COOLER/FREEZER LIGHT FIXTURE. ELECTRICAL CONTRACTOR SHALL PROVIDE LAMPS FOR FIXTURE, FIELD VERIFY LAMPING.
6	RESTROOM EXHAUST FAN TO BE WIRED THRU RESTROOM LIGHTING AND SWITCHING.
7	HOOD LIGHTS POWER FROM HOOD CONTROL PANEL AND INSTALLED BY THE HOOD INSTALLER.
8	EXTERIOR LIGHT FIXTURES SHALL BE CONTROLLED BY PHOTOCELL.

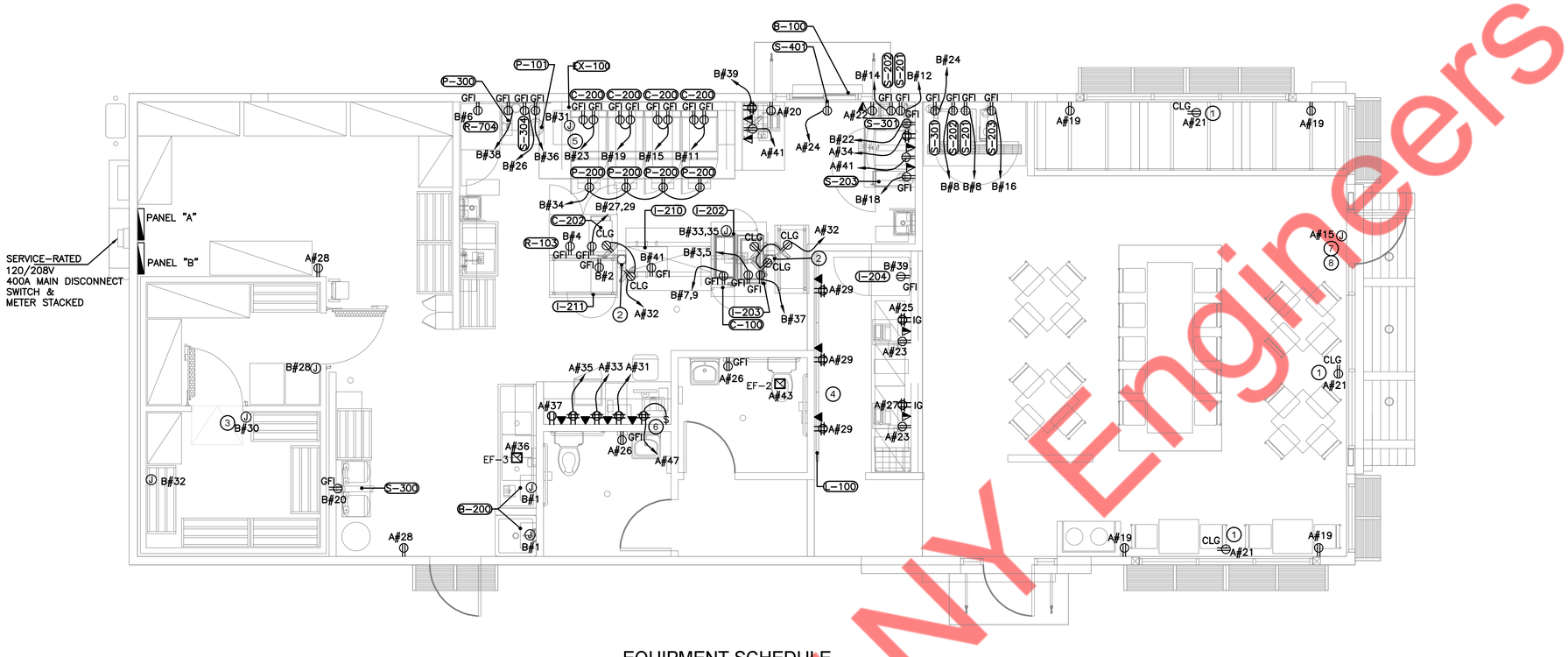
LIGHT FIXTURE SCHEDULE

Fixture Type	Discription	Manufacturer	Model Number	Bulb Type	Bulb Wattage
A	2 X 4 TROFFER	LITHONIA LIGHTING	2GTL440L	LED	30.8W
B	6" CYLINDER PENDANT	LBRP6	BAVE LED 2.1	LED	16W
C	6" RECESSED CAN	HALO	PD6-15-D010B-PDM6B-835-61V-H	LED	13.7W
E	GROUND UPLIGHT	KICHLER	15495CBR	INCANDESCENT	7.2 W
G	EXTERIOR CAN LIGHTS	PHILIPS GRACO DESIGNER CANOPY	LUMINAIRE 220	LED	50W
H	OUTDOOR WALL LANTERN	GLOBE LIGHTING	50330-WB	INCANDESCENT	60W
K	OUTDOOR WALL LANTERN	SHADES OF LIGHT	SKU 0L16133 BK	INCANDESCENT	100W
X	EXIT/EMERGENCY LIGHT	SURE-LITES	SEL50	LED	1W
LT-101	PENDANT FIXTURE	MILLENIUM LIGHTING	Product #121MB	INCANDESCENT	100W
LT-102	9.5" FLUSH WALL MOUNTED	BULKHEAD MARINE	20296-BL/FST SATIN	INCANDESCENT	100W
LT-103	11.25" FLUSH MOUNTED	SEAGULL LIGHTING	8869-98	INCANDESCENT	100W
LT-104	LED SCONCE LIGHT	DESTINATION LIGHTING	P1796949	LED	9W

LIGHT FIXTURE SCHEDULE
NONE 2



LIGHTING CONTROL DIAGRAM
NONE 3



EQUIPMENT SCHEDULE

TAG	QTY.	FURN. BY	INST. BY	ITEM DESCRIPTION	MANUFACTURER	MODEL	PLUM	ELEC	GAS	REMARKS
				B – CONTRACTOR BUILDING ELEMENTS						
B-200	2	–	G.C.	TANKLESS WATER HEATER	TAKAGI	T-H3-DV-N	X	X	X	–
				C – COOKING EQUIPMENT						
C-100	2	–	G.C.	MICROWAVE OVEN 1800W	AMANA	HDC182	–	X	–	–
C-200	4	–	G.C.	FRYER 24" FLAT BOTTOM	PITCO	FBG24	–	X	X	(2) CRUMB DUMP. COMES WITH GAS HOSE KIT.
C-202	1	–	G.C.	OVEN	TURBO CHEF	ECO	–	X	–	–
				E – EXHAUST HOOD / FIRE SUPPRESSION						
EX-100	1	–	G.C.	HOOD	STRATOVENT	9'-10"	–	–	–	–
				L – LIGHTING / SIGNAGE / MENUBOARDS						
L-100	3	–	G.C.	INTERIOR MENU BOARD PACKAGE	ONDISPLAY	–	–	–	–	SEE SCOPE OF WORK
				I – LINE						
I-202	1	–	G.C.	HOT WELLS	WELLS	MOD-127T	–	X	–	FURNISHED WITH I-100
I-203	1	–	G.C.	COLD WELLS	WELLS	RCP-7143	–	X	–	FURNISHED WITH I-100
I-204	1	–	G.C.	UNDERCOUNTER REGRIGERATOR	DELFIELD	406-CAP	–	–	–	–
I-210	1	–	G.C.	PRODUCT HOLDING UNIT	DUKE	FWM3-23	–	X	–	–
I-211	1	–	G.C.	INSULATED COUNTERTOP HOT CABINET	CRESCOR	H-339-12-135C	–	X	–	–
				P – FOOD PREPARATION						
P-101	1	–	G.C.	BATTER MIXER	K-TECH	62601	–	–	–	–
P-200	4	–	G.C.	18 CHANNEL TIMER	FAST	TX0602210	–	X	–	–
P-300	1	–	G.C.	WATER DISPENSER AND ACCESSORIES	BUNN	39100	X	X	–	–
				R – REFRIGERATION						
R-103	1	–	G.C.	FLAT TOP REFRIGERATED BASE	DELFIELD	UC4048	–	X	–	–
R-704	1	–	G.C.	FULL HEIGHT FREEZER (SINGLE DOOR)	DELFIELD	6151XL-S	–	X	–	–
				S – SERVING LINE / DRIVE-THRU						
S-201	2	–	–	8-HEAD DRINK DISPENSER – SELF-SERVE (PEPSI SUPPLIED)	CORNELIUS	IDC215	X	X	–	WITH OPTFILL VALUES AND STRAW AND LID HOLDER
S-202	2	–	G.C.	ICE MAKER	MANITOWOC	IY-0454A	X	X	–	WITH SERVEND MODEL SL36 ADAPTER KIT S/SV SERIES 020001311
S-203	2	–	G.C.	TEA BREWER	BUNN-O-MATIC	35700-0019	X	X	–	–
S-300	1	–	–	BAG-N-BOX (PEPSI SUPPLIED)	–	MBS-8-2-2W-SF-MBS	X	X	–	–
S-301	2	–	–	CARBONATOR	CORNELIUS	REMCOR	X	X	–	–
S-304	1	–	–	WATER FILTER SYSTEM	SELECTO	80-6200 (BY PEPSI)	–	–	–	–
S-401	1	–	G.C.	DRIVE-THRU TIMER	ACRELEC	Q TIMER 2.0	–	X	–	INCLUDES (1) DUAL OUTPUT DETECTOR AND (2) DISPLAY UNITS
				U – SECURITY / COMMUNICATION / FIRE PROTECTION / POS						
U-100	1	–	G.C.	BASE STATION – D/T COMM SYSTEM	HME	EOS HD	–	X	–	3 COMMUNICATORS +7'-0" A.F.F.
U-101	1	–	G.C.	SECURITY SYSTEM	ADT	–	–	X	–	WITH WALL MOUNT BRACKETS
U-200	4	–	–	POS/ORDER ENTRY TERMINAL	POS PROVIDED	–	–	X	–	–
U-201	4	–	–	RECEIPT PRINTER	POS PROVIDED	–	–	X	–	2 FOR FRONT COUNTER AND 1 DRIVE-THRU
U-205	7	–	G.C.	17" MONITOR FLAT SCREEN	POS PROVIDED	–	–	X	–	–

GENERAL NOTES

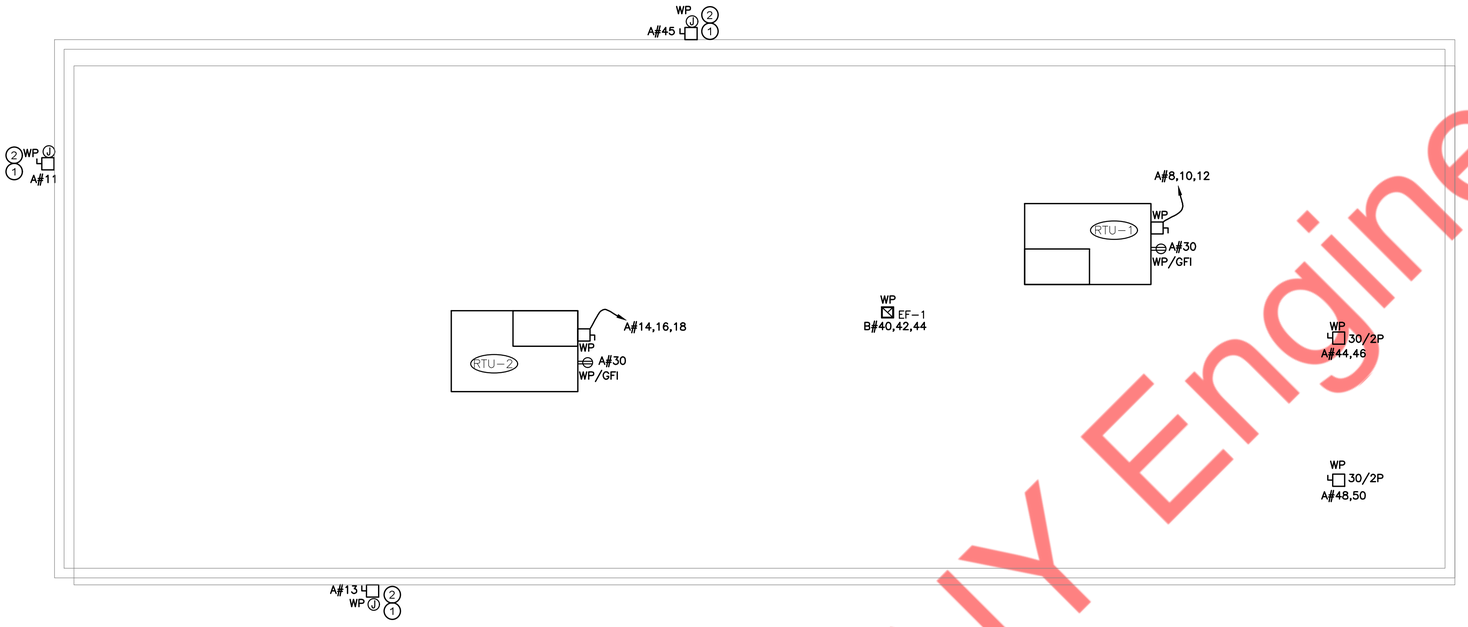
1. INSTALL ALL PIPE, ECT. AS HIGH AS POSSIBLE.
2. COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACE AVAILABLE, AND WITHOUT INTERFERENCES.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF FIXTURES.
4. REFER TO ARCHITECTURAL & STRUCTURAL DRAWINGS FOR REQUIREMENTS FOR SUPPORTING PIPING, EQUIPMENT, ETC. FROM THE STRUCTURE. PROVIDE ADDITIONAL STEEL AS REQUIRED TO PROPERLY SUPPORT SYSTEMS FROM THE STRUCTURE.
5. SAWCUT EXISTING FLOOR AS REQUIRED FOR INSTALLATION OF UNDER FLOOR PIPING. PATCH FLOOR TO MATCH EXISTING.
6. PROVIDE 1" SCH. 40 PVC CONDENSATE DRAIN PIPE FOR EACH ROOFTOP UNIT LAID DIRECTLY ON ROOF TO NEAREST ROOF DRAIN. PROVIDE WATER TRAP AND CLEAN OUTS AS DETAILED. SECURE PVC PIPE TO DRAIN WITH NYLON STRAP.
7. NO PIPING SHALL BE ROUTED OVER THE TOP OF THE ELECTRICAL PANELS.
8. ALL MATERIALS EXPOSED WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DELEVOLPMENT INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84.
9. GC TO PROVIDE ELECTRICAL DISCONNECTS PER LOCAL AND/OR STATE CODES TO ALL SIGNS. COORDINATE WITH SIGN VENDOR PRIOR TO INSTALLATION.

KEY NOTES

1	DUPLEX RECEPTACLE MOUNTED ABOVE STOREFRONT GLASS FOR DISPLAY WINDOW SIGNAGE PER NEC.
2	HOLLOW COLUMN TO RUN POWER AND DATA ROUTED FROM ABOVE. COORDINATE WITH ARCHITECT/OWNER.
3	CONNECT TO WALK-IN COOLER DOOR LIGHTS AND HEATERS PER MANUFACTUER'S REQUIREMENTS.
4	ELECTRICAL CONTRACTOR SHALL COORDINATE FOR EXACT ELECTRICAL POWER REQUIREMENTS FOR MENUBOARDS.
5	JUNCTION BOX FOR HOOD FIRE SUPPRESSION PULL STATION. COORDINATE WITH HOOD SUPPLIER. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
6	ELECTRICAL OUTLET WITH ITS OWN SWITCH FOR FUTURE NETWORK CONNECTION. E.C. SHALL COORDINATE WITH OWNER FOR EXACT REQUIREMENTS.
7	JUNCTION BOX WITH TOGGLE DISCONNECT PER NEC FOR CONNECTION TO BUILDING MOUNTED SIGNAGE. VERIFY EXACT LOCATION AND CONNECT TO SIGN PER MANUFACTURER'S INSTRUCTIONS. ROUTE CIRCUIT TO PANEL VIA EXTERIOR LIGHTING/SIGNAGE CONTROLLER, SEE DETAIL ON SHEET E1.
8	ROUTE CIRCUIT TO PANEL INDICATED VIA EXTERIOR LIGHTING CONTROLLER, SEE DETAIL.

ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'-0"

1



GENERAL NOTES

1.	INSTALL ALL PIPE, ECT. AS HIGH AS POSSIBLE.
2.	COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACE AVAILABLE, AND WITHOUT INTERFERENCES.
3.	REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF FIXTURES.
4.	REFER TO ARCHITECTURAL & STRUCTURAL DRAWINGS FOR REQUIREMENTS FOR SUPPORTING PIPING, EQUIPMENT, ETC. FROM THE STRUCTURE. PROVIDE ADDITIONAL STEEL AS REQUIRED TO PROPERLY SUPPORT SYSTEMS FROM THE STRUCTURE.
5.	SAWCUT EXISTING FLOOR AS REQUIRED FOR INSTALLATION OF UNDER FLOOR PIPING. PATCH FLOOR TO MATCH EXISTING.
6.	PROVIDE 1" SCH. 40 PVC CONDENSATE DRAIN PIPE FOR EACH ROOFTOP UNIT LAID DIRECTLY ON ROOF TO NEAREST ROOF DRAIN. PROVIDE WATER TRAP AND CLEAN OUTS AS DETAILED. SECURE PVC PIPE TO DRAIN WITH NYLON STRAP.
7.	NO PIPING SHALL BE ROUTED OVER THE TOP OF THE ELECTRICAL PANELS.
8.	ALL MATERIALS EXPOSED WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DELEVOLPMENT INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84.
9.	GC TO PROVIDE ELECTRICAL DISCONNECTS PER LOCAL AND/OR STATE CODES TO ALL SIGNS. COORDINATE WITH SIGN VENDOR PRIOR TO INSTALLATION.

KEY NOTES

(1)	JUNCTION BOX WITH TOGGLE DISCONNECT PER NEC FOR CONNECTION TO BUILDING MOUNTED SIGNAGE. VERIFY EXACT LOCATION AND CONNECT TO SIGN PER MANUFACTURER'S INSTRUCTIONS. ROUTE CIRCUIT TO PANEL VIA EXTERIOR LIGHTING/SIGNAGE CONTROLLER, SEE DETAIL ON SHEET E1.
(2)	ROUTE CIRCUIT TO PANEL INDICATED VIA EXTERIOR LIGHTING CONTROLLER, SEE DETAIL.

ELECTRICAL ROOF POWER PLAN
SCALE: 1/4" = 1'-0"

1

PANEL:	A													MOUNTING:	SURFACE		
208Y/120	VOLTS,		**3**	PHASE,			**4**	WIRE									
MAIN CB	**400A**			BUS	**400A**		MIN,	INTERRUPTING RATING				**22 KAIC**					

CKT NO.	TRIP AMPS	DESCRIPTION OF LOAD	LOAD TYPE	LOAD (KVA)	MINIMUM BRANCH CIRCUIT	PER PHASE (KVA) A	B	C	MINIMUM BRANCH CIRCUIT	LOAD (KVA)	LOAD TYPE	DESCRIPTION OF LOAD	TRIP AMPS	CKT NO.
1	20	DINING AREA LIGHITING	L	0.50	2#12, #12G, 3/4"C	8.62			4#3/0, #6G, 1 1/2"C	8.12	H			2
3	20	DINING AREA LIGHITING	L	0.40	2#12, #12G, 3/4"C		10.64			10.24	H	TO PANEL B	200/3P	4
5	20	KITCHEN AREA LIGHITING	L	0.70	2#12, #12G, 3/4"C			11.58		10.88	H			6
7	20	EXTERIOR LIGHITING	L	0.45	2#12, #12G, 3/4"C	4.35				3.90	H			8
9	20	EXTERIOR LIGHITING	L	0.45	2#12, #12G, 3/4"C		4.35		3#8, #10G, 3/4"C	3.90	H	RTU-1**	45/3P	10
11	20	SIGNAGE	L	1.20	2#12, #12G, 3/4"C			5.10		3.90	H			12
13	20	SIGNAGE	L	1.20	2#12, #12G, 3/4"C	8.34				7.14	H			14
15	20	OPEN SIGN	L	0.40	2#12, #12G, 3/4"C		7.54		3#4, 1#8, 1"C	7.14	H	RTU-2**	90/3P	16
17	20	TIME CLOCK	M	0.50	2#12, #12G, 3/4"C			7.64		7.14	H			18
19	20	RECEPTACLES DINING AREA	R	0.72	2#12, #12G, 3/4"C	1.08			2#12, #12G, 3/4"C	0.36	R	RECEIPT PRINTER (U-201)	20	20
21	20	WINDOW SIGN	R	0.54	2#12, #12G, 3/4"C		0.74		2#12, #12G, 3/4"C	0.20	R	D/T SYSTEM BASE	20	22
23	20	RECEIPT PRINTER (U-201)	R	0.36	2#12, #12G, 3/4"C			0.54	2#12, #12G, 3/4"C	0.18	R	DRIVE THRU TIMER (S-401)	20	24
25	20	POS (U-200)	R	0.36	2#12, #12G, 3/4"C	0.72			2#12, #12G, 3/4"C	0.36	R	RESTROOM RECEPTACLES	20	26
27	20	POS (U-200)	R	0.36	2#12, #12G, 3/4"C		0.72		2#12, #12G, 3/4"C	0.36	R	BOH RECEPTACLES	20	28
29	20	MENUBOARD RECEPTACLE (L-100)	R	1.08	2#12, #12G, 3/4"C			1.44	2#12, #12G, 3/4"C	0.36	R	RTU RECEPTACLES	20	30
31	20	OFFICE COMPUTER (F-300)	R	0.36	2#12, #12G, 3/4"C	1.26			2#12, #12G, 3/4"C	0.90	R	MONITORS (U-205)	20	32
33	20	UPS(F-302)	R	0.36	2#12, #12G, 3/4"C		0.72		2#12, #12G, 3/4"C	0.36	R	POS (U-200)	20	34
35	20	MUSIC (F-400)	R	0.36	2#12, #12G, 3/4"C			0.41	2#12, #12G, 3/4"C	0.05	H	EF-3	20	36
37	20	SAFE (F-500)	R	0.18	2#12, #12G, 3/4"C	1.38			2#12, #12G, 3/4"C	1.20	L	PYLON SIGN	20	38
39	20	POS (U-200)	R	0.36	2#12, #12G, 3/4"C		1.56		2#12, #12G, 3/4"C	1.20	L	DIRECTIONAL SIGN	20	40
41	20	MONITOR VIEW SONIC (U-205)	R	0.36	2#12, #12G, 3/4"C			1.56	2#12, #12G, 3/4"C	1.20	L	MENUBOARD/SPEAKER POST	20	42
43	20	EF-2	M	0.05	2#12, #12G, 3/4"C	1.55			2#12, #12G, 3/4"C	1.50	H	WALK-IN COOLER CONDENSER	20/2P	44
45	20	SIGNAGE	L	1.20	2#12, #12G, 3/4"C		2.70			1.50	H			46
47	20	FOR FUTURE NETWORK	R	0.36	2#12, #12G, 3/4"C			1.86	2#12, #12G, 3/4"C	1.50	H	WALK-IN FREEZER CONDENSER	20/2P	48
49	20	SITE LIGHTING	L	0.20	2#12, #12G, 3/4"C	1.70				1.50	H			50
51	20	SITE LIGHTING	L	0.20	2#12, #12G, 3/4"C		0.20					SPARE	20	52
53	20	SPARE						0.00				SPARE	20	54
		TOTAL LOAD (KVA)				29.00	29.17	30.13						

PANEL:	B													MOUNTING:	SURFACE		
208Y/120	VOLTS,		**3**	PHASE,			**4**	WIRE									
MAIN CB		**MLO**	**200A**	BUS	**225A**		MIN,	INTERRUPTING RATING				**22 KAIC**					

CKT NO.	TRIP AMPS	DESCRIPTION OF LOAD	LOAD TYPE	LOAD (KVA)	MINIMUM BRANCH CIRCUIT	PER PHASE (KVA) A	B	C	MINIMUM BRANCH CIRCUIT	LOAD (KVA)	LOAD TYPE	DESCRIPTION OF LOAD	TRIP AMPS	CKT NO.
1	20	TANKLESS WATER HEATER (B-200)*	H	0.07	2#12, #12G, 3/4"C	0.97			2#12, #12G, 3/4"C	0.90	F	COUNTERTOP HOT CABINET (I-211)*	20	2
3	20/2P	MICROWAVE OVEN (C-100)*	F	0.90	2#12, #12G, 3/4"C		1.36		2#12, #12G, 3/4"C	0.46	F	REFRIGERATED BASE (R-103)*	20	4
5			F	0.90				2.28	2#12, #12G, 3/4"C	1.38	F	FULL HEIGHT FREEZER (R-704)*	20	6
7	20/2P	MICROWAVE OVEN (C-100)*	F	0.90	2#12, #12G, 3/4"C	2.01			2#12, #12G, 3/4"C	1.11	F	DRINK DISPENSER (S-201)*	20	8
9			F	0.90			2.01		2#12, #12G, 3/4"C	1.11	F	DRINK DISPENSER (S-201)*	20	10
11	20	FRYER (C-200)	F	0.08	2#12, #12G, 3/4"C			1.29	2#12, #12G, 3/4"C	1.21	F	ICE MAKER (S-202)*	20	12
13	20	SHUNT TRIP				1.21			2#12, #12G, 3/4"C	1.21	F	ICE MAKER (S-202)*	20	14
15	20	FRYER (C-200)	F	0.08	2#12, #12G, 3/4"C		1.78		2#12, #12G, 3/4"C	1.70	F	TEA BREWER (S-203)*	20	16
17	20	SHUNT TRIP						1.70	2#12, #12G, 3/4"C	1.70	F	TEA BREWER (S-203)*	20	18
19	20	FRYER (C-200)	F	0.08	2#12, #12G, 3/4"C	0.79			2#12, #12G, 3/4"C	0.71	F	BAG-N-BOX (S-300)*	20	20
21	20	SHUNT TRIP					0.71		2#12, #12G, 3/4"C	0.71	F	CARBONATOR (S-301)*	20	22
23	20	FRYER (C-200)	F	0.08	2#12, #12G, 3/4"C			0.79	2#12, #12G, 3/4"C	0.71	F	CARBONATOR (S-301)*	20	24
25	20	SHUNT TRIP				0.72			2#12, #12G, 3/4"C	0.72	F	WATER FILTER SYSTEM (S-304)*	20	26
27	20/2P	OVEN (C-202)*	F	1.80	2#12, #12G, 3/4"C		2.00		2#12, #12G, 3/4"C	0.20	F	WALK-IN COOLER CONTROL (W-100)*	20	28
29			F	1.80				2.00	2#12, #12G, 3/4"C	0.20	F	WALK-IN FREEZERR CONTROL (W-101)*	20	30
31	20	HOOD*	F	1.00	2#12, #12G, 3/4"C	1.30			2#12, #12G, 3/4"C	0.30	F	HEAT TRACE	20	32
33	20/2P	HOT WELLS (I-202)*	F	0.62	2#12, #12G, 3/4"C		1.42		2#12, #12G, 3/4"C	0.80	F	18 CHANNEL TIMER (P-200)	20	34
35			F	0.62				1.12	2#12, #12G, 3/4"C	0.50	F	BITTER MIXER (P-101)*	20	36
37	20	COLD WELL (I-203)*	F	0.62	2#12, #12G, 3/4"C	1.12			2#12, #12G, 3/4"C	0.50	F	WATER DISPENSER (P-300)*	20	38
39	20	UC REFRIGERATOR (I-204)*	F	0.46	2#12, #12G, 3/4"C		0.96			0.50	F		20	40
41	20	PRODUCT HOLDING UNIT (I-210)*	F	1.20	2#12, #12G, 3/4"C			1.70		0.50	F	EF-1	20	42
43	20	SPARE								0.50	F		21	44
45	20	SPARE										SPARE	22	46
47	20	SPARE										SPARE	23	48
49	20	SPARE										SPARE	24	50
51	20	SPARE										SPARE	25	52
53	20	SPARE										SPARE	26	54
		TOTAL LOAD (KVA)				8.12	10.24	10.88						

* – PROVIDE GFCI BREAKER.
** – PROVIDE HACR BREAKER.

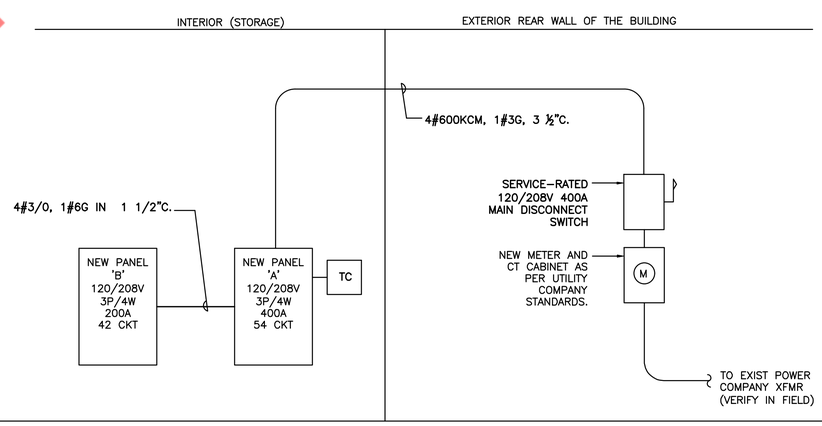
FUSES FOR MAIN SWITCH AND AHU SHALL BE BUSSMANN LOW–PEAK CLASS RK1 TIME DELAY – LPN–RK–SP

GC SHALL VERIFY WITH LOCAL AUTHORITY HAVING JURISDICTION IF ELECTRICAL DISCONNECT IS REQUIRED.

PROVIDE #1/0 CU. – 3/4" C. TO BOND GAS, WATER AND SPRINKLER PIPING PER N.E.C. ARTICLE 250–104

GROUNDING NOTE: VERIFY EXISTING SYSTEM IS GROUNDED PER N.E.C. ART. 250. UPGRADE AS REQUIRED. CONNECT NEW SYSTEM TO EXISTING GROUND.

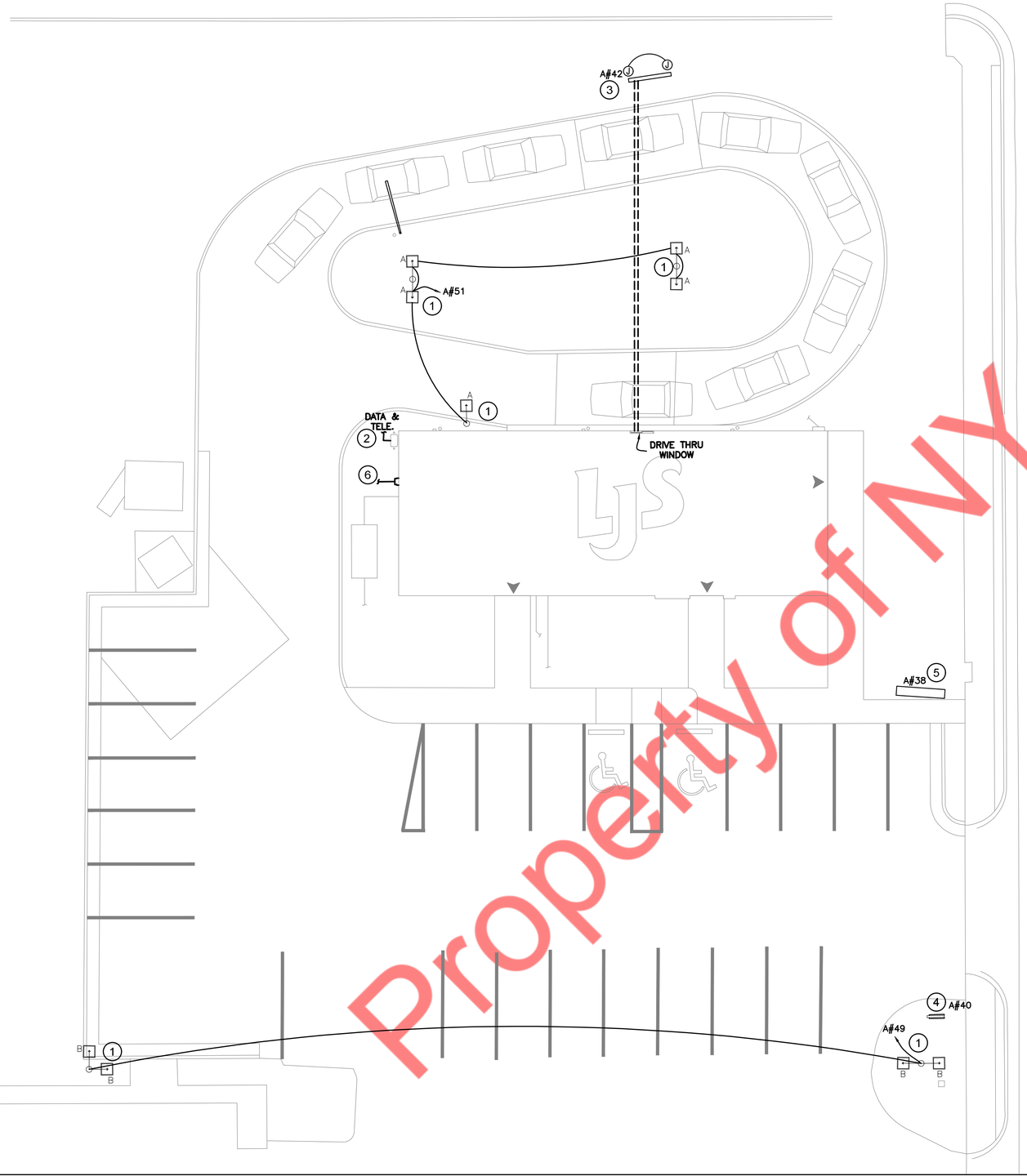
REMOVE MAIN BONDING JUMPER BETWEEN NEUTRAL BUS AND GROUND LUG IF EXISTING SERVICE EQUIPMENT NEUTRAL IS ALREADY BONDED PER N.E.C.



ELECTRICAL PANEL SCHEDULE 2
SCALE: NONE

ELECTRICAL RISER DIAGRAM 1
SCALE: NONE

LUMINAIRE SCHEDULE						
LABEL	QTY	ARRANGMENT	LUM. LUMENS	LLF	WATTAGE	DESCRIPTION
A	2	SINGLE	26089	0.9	175	RAR2-480L-185-4K7-2-UNV-ASQ-DB /SES-25-40-01-A-B3-DB
B	2	SINGLE	42426	0.9	294	RAR2-480L-295-4K7-4W-UNV-ASQ-DB /SES-25-40-01-A-B3-DB



GENERAL NOTES

1. SEE CIVIL SITE PLAN FOR EXACT LOCATION OF PLANTERS, LANDSCAPE, TREES, CURBS, LIGHT STANDARDS, SITE SIGNS, WALKS, ETC., AND COORDINATE EXACT INSTALLATION OF ELECTRICAL WORK WITH THE OTHER TRADES.
2. SOME HOOK UPS OR POINTS OF CONNECTION OF SERVICE, SIGNS, EQUIPMENT, OR OTHER ELECTRICAL ITEMS COULD PROJECT BEYOND "LIMITS OF CONSTRUCTION" LINE. IF SO, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY REQUIREMENTS AND PROVIDE A COMPLETE INSTALLATION.
3. THE EXISTING CONDITIONS OF THE SITE SHALL BE VERIFIED IN THE FIELD AND ALL REQUIRED TRENCHING, BACK FILL, AND PATCHING FOR ELECTRICAL WORK SHALL BE INCLUDED IN THIS WORK.
4. ALL EXPOSED JUNCTION BOXES SHALL BE SUPPORTED IN ACCORDANCE WITH NEC SECTION 370-13. NO OPEN BOTTOM CONCRETE BOXES SHALL BE ALLOWED.
5. WHERE CONDUITS ARE USED, ALL RISERS, ELL'S WHERE STUBBED ABOVE GROUND SHALL BE PVC COATED GALVANIZED RIGID STEEL OR SCHED 80 PVC. THE SIZE SHALL BE INCREASED AS REQUIRED TO INCLUDE SEPARATE GREEN GROUND COPPER CONDUCTOR. ALL CONDUIT SHALL BE MIN 24" BELOW GRADE.
6. NORMAL DELIVERY TIME FOR LIGHT FIXTURES IS 6 TO 8 WEEKS. CONTRACTOR SHALL PLACE ORDER IMMEDIATELY AFTER AWARD OF CONTRACT. MAPCO WILL NOT BE RESPONSIBLE FOR DELAYS OF LIGHTS, BY ORDERS NOT BEING PLACED ON COMMENCEMENT OF CONSTRUCTION & NO EXTENSION WILL BE GRANTED TO CONTRACTOR'S COMPLETION DATE.
7. PROVIDE MEANS TO "PROVIDE AND INSTALL."
8. ELECTRICAL CONTRACTOR (EC), CONTRACTOR, ELECTRICIAN AS USED IN THESE ELECTRICAL DRAWINGS IS THE SAME BUSINESS ENTITY.
9. UTILITY SERVICE CONDUITS TO BE MINIMUM 36" BELOW GRADE TO TOP OF CONDUITS. COORDINATE WITH MECHANICAL, CIVIL, LANDSCAPE AND IRRIGATION SITE DRAWINGS.
10. PROVIDE PULL WIRES IN ALL EMPTY CONDUITS.
11. UTILITY PAD TO BE FURNISHED PER LOCAL POWER COMPANY STANDARDS.
12. COORDINATE UTILITIES WITH POWER AND TELEPHONE COMPANIES.
13. PROVIDE IDENTIFIABLE MARKERS AT ALL CONDUIT STUBS. STATING ORIGIN OF CONDUIT AND ITS USE.
14. CONDUITS FOR BRANCH CIRCUITS POWER, TELEPHONE, SPEAKER, SECURITY, DATA, IRRIGATION, ROUTED OUTDOORS SHALL BE MINIMUM 24" BELOW GRADE.

KEY NOTES

1. ROUTE CIRCUIT TO PANEL INDICATED VIA EXTERIOR LIGHTING CONTROLLER, SEE DETAIL ON SHEET E1.1. E.C. SHALL REPLACE THE HEADS WITH NEW ON THE EXISTING POLES AS PER LUMINAIRE SCHEDULE.
2. UNDERGROUND, CABLE, INTERNET & TELEPHONE SERVICE. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.
3. EXISTING MENUBOARDS SHALL BE REPLACED WITH NEW STATIC MENUBOARDS. E.C. SHALL SALVAGE AND USE EXISTING POWER CONNECTION.
4. EXISTING DIRECTION SIGN SHALL BE REPLACED WITH NEW DIRECTIONAL SIGN. E.C. SHALL SALVAGE AND USE EXISTING POWER CONNECTION.
5. EXISTING PYLON SIGN TO RECEIVE NEW SIGNAGE. COORDINATE WITH ARCHITECT.
6. SERVICE RATED 120/208V, 400A MAIN DISCONNECT AND METER STACKED

ELECTRICAL SITE PLAN
SCALE: 3/32" = 1'-0"

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