

GENERAL NOTES

1. EC SHALL PROVIDE GFI BREAKERS FOR ALL SINGLE PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50A OR LESS. FOR THREE PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100A OR LESS IN THE KITCHEN AND SERVING AREAS TO COMPLY WITH NEC 210.8.B.2. EC SHALL NOT USE GFI OUTLETS, UNLESS OTHERWISE NOTED. COORDINATE WITH PANEL SCHEDULES.
2. EC SHALL PROVIDE 150A PANEL FOR TEMPORARY POWER DURING CONSTRUCTION WITH GFI PROTECTION AS REQUIRED.
3. REFER TO EQUIPMENT SCHEDULE FOR CIRCUITS, RECEPTACLE TYPES AND POWER CORD REQUIREMENTS.
4. ELECTRICAL CONTRACTOR SHALL REFER TO "Q" SHEETS FOR INFORMATION PERTAINING TO REQUIREMENTS FOR FOOD SERVICE EQUIPMENT.
5. EC SHALL PROVIDE LABEL FOR ALL EQUIPMENT SPECIFIC RECEPTACLES.
6. ALL P.O.S., KIOSK, AND CBT SYSTEMS SHALL HAVE AN ISOLATED GROUND OUTLET.
7. EC SHALL PROVIDE ARC FLASH WARNING LABELS FOR ALL PANELS PER NEC 110.16.
8. EC SHALL COORDINATE THE ELECTRICAL CONNECTION WITH THE EQUIPMENT SERVED. CONTACT ENGINEER FOR CLARIFICATION OF ANY EQUIPMENT PRIOR TO INSTALLATION, IF REQUIRED.

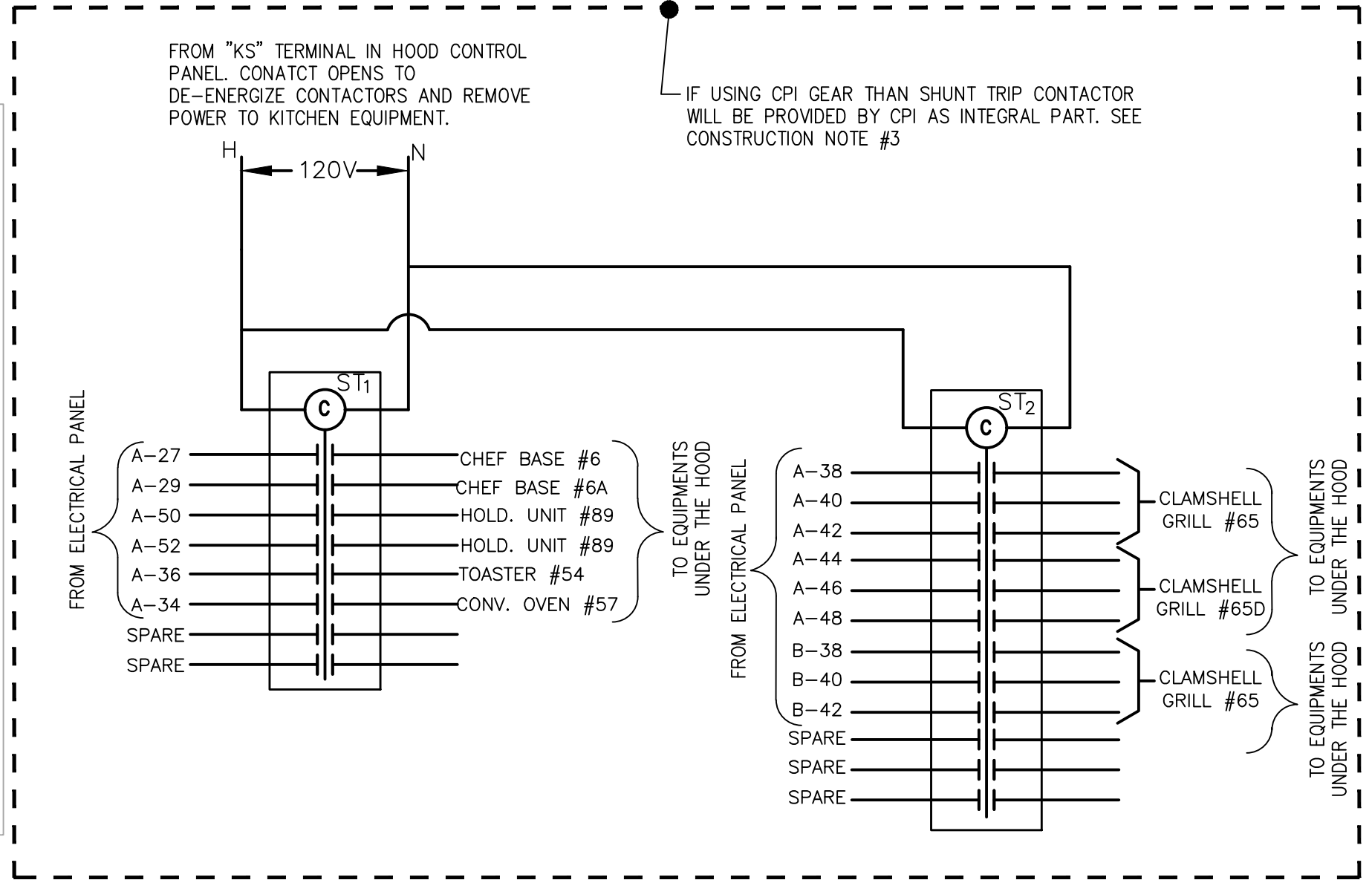
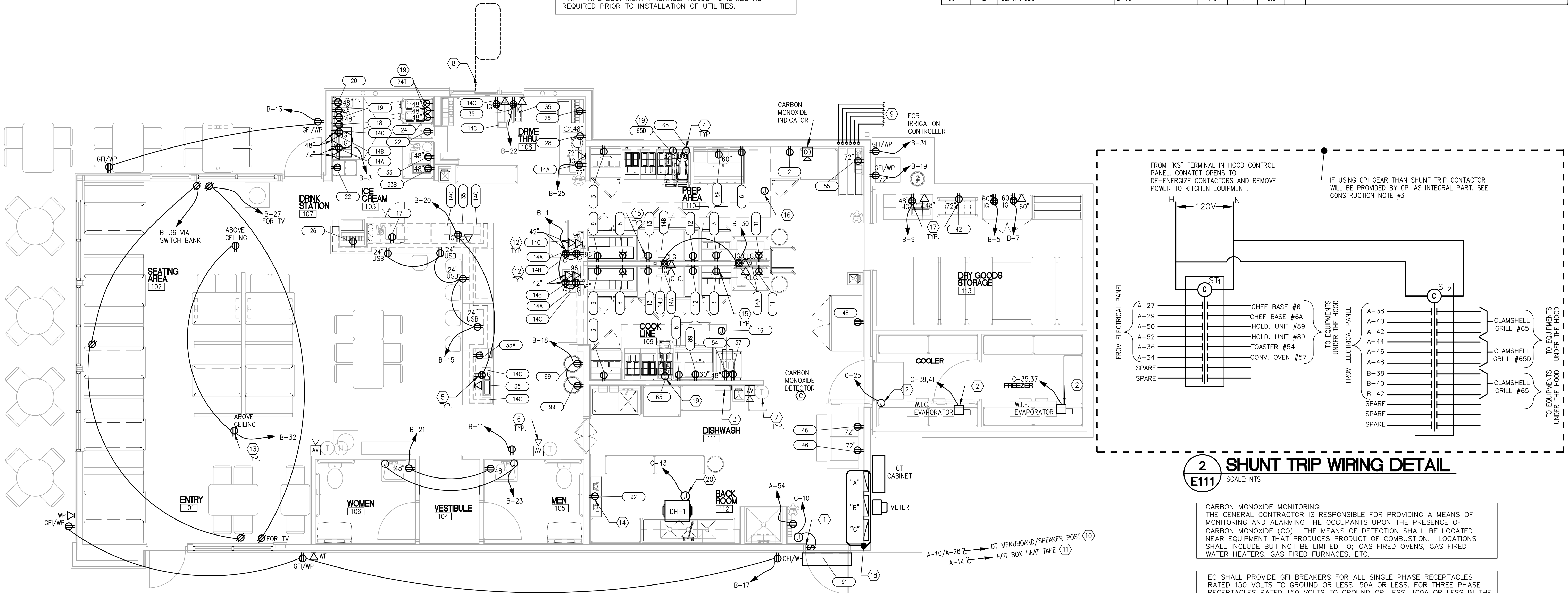
CONSTRUCTION NOTES

- ① ELECTRICAL CONTRACTOR TO INSTALL 1/2 HP 120V SNAP ACTION SWITCH TO ACTIVATE AIR CURTAIN FAN (MOUNT IN DOOR FRAME) J-BOX AND MOTOR SWITCH FURNISHED WITH AIR CURTAIN. SEE DETAIL ON SHEET E000.
- ② ALL CONDUITS ENTERING FREEZERS OR COOLERS SHALL BE INSTALLED WITH SEALS AND EXPANSION FITTINGS IN ACCORDANCE WITH NEC 300.7. EC SHALL PROVIDE NEMA 3R DISCONNECTS FOR WALK-IN EVAPORATORS. VERIFY EXACT POWER REQUIREMENTS AND FINAL LOCATION PRIOR TO ROUGH-IN.
- ③ IF NOT USING CPI GEAR THAN INSTALL SHUNT TRIP CONTACTOR HIGH ON WALL. EC SHALL WIRE 2-#12, 1/2" C. SHUNT CONTROL FROM HOOD CONTROL PANEL TO SHUNT TRIP CONTACTOR. TO DE-ENERGIZE CIRCUIT UPON ACTIVATION OF MANUAL PULL STATION, OR DETECTION BY SENSORS WITHIN THE HOOD. SEE HOOD SHEETS AND DETAIL 2/E111. IF USING CPI GEAR THAN SHUNT TRIP CONTACTOR WILL BE PROVIDED BY CPI AS INTEGRAL PART.
- ④ PERMANENTLY CONNECTED EQUIPMENT SHALL BE PROVIDED WITH A LOCKABLE BREAKER CAPABLE OF BEING LOCKED IN THE OFF POSITION IN ACCORDANCE WITH NEC 422.31(B). EXTEND LIQUIDTIGHT FLEXIBLE METAL CONDUIT FROM JUNCTION BOX TO EQUIPMENT, AS REQUIRED.
- ⑤ RECEPTACLE SHOWN SHALL BE INSTALLED IN CABINET OF SERVING COUNTER. GENERAL CONTRACTOR SHALL DRILL HOLES IN BOTTOM AND TOP OF COUNTER (REMOVE ALL BURRS AND PAINT THE PENETRATION) FOR CONDUIT STUB-UP AND CORD EXTENSIONS FROM APPLIANCE TO RECEPTACLE.
- ⑥ AUDIO/VISUAL DEVICES FURNISHED BY HVAC SUPPLIER & INSTALLED BY EC IN APPROVED LOCATION TO SIGNAL DUCT DETECTOR ACTIVATION. MOUNT AT 6'-6" AFF. MC AND EC SHALL TEST AND VERIFY THE SMOKE DETECTION SYSTEM WORKS PROPERLY AND MEETS ALL LOCAL AND STATE CODE REQUIREMENTS.
- ⑦ EC SHALL PROVIDE 3/4"C WITH PULLSTRING TO ABOVE CEILING AND OUTLET BOXES FOR T-STATS, SENSORS AND OVER RIDE BUTTONS. LOW VOLTAGE CONTROL WIRING BY MC. MOUNT ON S/S COVER PLATE.COORDINATE MOUNTING HEIGHT WITH MC PRIOR TO ROUGH -IN. SEE MECHANICAL DRAWINGS.
- ⑧ (1) 1"CONDUIT FOR DETECTOR LOOP. VERIFY EXACT REQUIREMENTS AND LOCATION WITH DRIVE THRU SYSTEM INSTALLER PRIOR TO ROUGH IN.
- ⑨ EC SHALL PROVIDE (3) 1" CONDUITS FROM JUNCTION BOX TO DRIVE-THRU MENU BOARD FOR EACH LOCATION. (1) 1" CONDUIT FOR SPEAKER, (1) 1" CONDUIT FOR ELECTRICAL POWER IN MENU BOARD, AND (1) 1" CONDUIT DETECTOR LOOP. EC SHALL VERIFY ELECTRICAL REQUIREMENTS FOR MENU BOARD AND MAKE FINAL CONNECTIONS. ALL CONDUITS SHALL BE CONCEALED WITHIN WALL FRAMING.
- ⑩ SEE ARCHITECTURAL AND CIVIL SHEETS FOR DRIVE THRU MENU BOARD DETAILS. EC TO COORDINATE AND EXTEND WIRING TO ACTUAL LOCATION SHOWN ON CIVIL DRAWINGS.
- ⑪ SEE CIVIL SHEETS FOR HOT BOX LOCATION. EC TO COORDINATE AND EXTEND WIRING TO ACTUAL LOCATION SHOWN ON CIVIL DRAWINGS.
- ⑫ PROVIDE RECEPTACLE AND 2-GANG DATA BOXES WITH CONDUIT FOR TV, BUMP BAR AND PRINTER. VERIFY EXACT LOCATION AND MOUNTING REQUIREMENTS WITH LL/TENANT AND LL'S/TENANT'S VENDOR PRIOR TO ROUGH-IN. PROVIDE ADDITIONAL RECEPTACLE AND DATA AS REQUIRED.
- ⑬ PROVIDE RECEPTACLE ABOVE CEILING. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH IN.
- ⑭ COORDINATE MOUNTING HEIGHT REQUIREMENTS FOR WATER HEATER WITH PLUMBING CONTRACTOR PRIOR TO ROUGH IN.
- ⑮ EC SHALL RUN POWER AND DATA CONDUITS FROM NEAREST FULL HEIGHT WALL TO LOW HEIGHT WALL.
- ⑯ EC SHALL PROVIDE 120V INTERLOCK WIRING BETWEEN HOOD CONTROL PANEL AND ANSUL SYSTEM. REFER TO HOOD SHOP DRAWINGS. COORDINATE EXACT REQUIREMENT WITH HOOD INSTALLER.
- ⑰ EC SHALL SURFACE MOUNT RECEPTACLES AND DATA IN PREFAB WALK-IN BOX.
- ⑱ EC SHALL PROVIDE ALTERNATIVE BID TO USE UNITIZED CPI POWER DISTRIBUTION SYSTEM IN LIEU OF LOOSE ELECTRICAL PANELS. REFER TO SHEET E601 FOR MORE INFORMATION.
- ⑲ OPTIONAL EQUIPMENT - EC TO VERIFY/COORDINATE FINAL EQUIPMENT PACKAGE PRIOR TO INSTALLING UTILITIES OR CONNECTING EQUIPMENT.
- ⑳ DEHUMIDIFIER ABOVE CEILING. EC SHALL VERIFY EXACT LOCATION AND POWER REQUIREMENTS WITH MC PRIOR TO ROUGH IN.

EC SHALL VERIFY ALL EQUIPMENT AND POWER REQUIREMENTS WITH FINAL EQUIPMENT PACKAGE. ADJUST UTILITIES AS REQUIRED PRIOR TO INSTALLATION OF UTILITIES.

ELECTRICAL SCHEDULE

ITEM	QTY.	DESCRIPTION	CIRCUIT #	VOLT	PHASE	AMPS	HP	ELECTRICAL REMARKS
2	1	1-DOOR FREEZER	A-15	115	1	3.2	1/3	
3	4	REFRIG. PREPBOX - 29"W	A-17/19/21/23	115	1	7	1/5	
6	1	REFRIG. CHEFBASE - 48"W	A-27	115	1	6	1/4	
6A	1	REFRIG. CHEFBASE - 36"W	A-29	115	1	6	1/4	
8	2	WARMING STATION	A-31,33/A-35,37	120/208	1	14.3		NEMA L14-20P
9	2	WORKTOP FREEZER	A-39/A-41	115	1	3	1/5	
11	2	STEAMER	B-35,37/B-39,41	208	1	15.9		NEMA 6-20P
12	2	COOKER/WARMER	B-29/B-34	120	1	15.0		
13	2	REFRIG. PREPBOX - 60"W	A-16/A-25	115	1	6.5	1/2	
14A	7	MONITOR	B-1/B-3/B-30/B-23	120	1	-		
14B	5	BUMPBAR	B-1/B-3/B-30	120	1	-		
14C	9	PRINTER	B-1/3/20/22	120	1	-		
16	2	HOOD SYSTEM	C-19	120	1	-		REFER TO HOOD SHOP DRAWINGS
17	1	REFRIG. PREPBOX - 36"W	B-14	115	1	2.0	1/6	
18	1	REFRIG. PREPBOX	A-18	115	1	6.5	1/3	
19	2	MIX-IN BLENDER	A-20/A-32	115	1	2.1	3/4	
20	1	COOKER/WARMER	A-22	120	1	8.3		
22	2	DIPPING CABINET	B-2/B-28	115	1	1.4	1/8	
24	1	FROZEN CUSTARD MACHINE	A-24,26	208	1	15.0	1 1/2	NEMA 6-20P
24T	1	OPTIONAL FROZEN CUSTARD MACHINE	A-43,45/47,49	208	1	24/22	(2) 2	(2) NEMA 6-30P
26	2	SODA MACHINE	B-4/B-6	120	1	1.0		
28	1	ELEC. JUICE DISPENSER	B-10	120	1	3.0		
33	1	COFFEE/TEA BREWER	B-8	120	1	14.0		
33B	1	COFFEE BREWER	B-12	120	1	15		
35	4	POS TERMINAL SYSTEM	B-20/B-22	120	1	.37		
35A	1	DROP SAFE - UNDERCOUNTER	A-30	120	1	-		
42	1	MODULAR BIB RACK	B-33	120	1	1.5		
46	2	ICE MACHINE W/ FLAKER HEAD	C-11/C-13	115	1	11.8		
47C	1	OUTSIDE WALK-IN COOLER (BUILT w/#47F)	C-39,41/C-38,40,42	208	3/1	5/2.9		
47F	1	OUTSIDE WALK-IN FREEZER (BUILT w/#47C)	C-35,37/C-32,34,36	208	3/1	5/2.9		
48	1	2-DOOR COOLER	B-16	115	1	9	1/2	
54	1	TOASTER - 4 SLOT	A-36	120	1	15.0		
55	1	WATER FILTRATION SYS. w/BOOSTER PUMP	C-12	120	1	0.08		
57	1	CONVECTION OVEN	A-34	120	1	13.3		
65	2	ELECTRIC 12" CLAMSHELL GRILL	A-38,40,42/B-38,40,42	208	3	26.2		
65D	1	OPTIONAL ELECTRIC 24" CLAMSHELL GRILL	A-44,46,48	208	3	52.4		
89	2	DEDICATED HOLDING CABINET	A-50/A-52	120	1	10		
91	1	AIR CURTAIN	C-10	120	1	5.1		
92	2	INSTANTANEOUS WATER HEATER	C-23	120	1	59W		
99	2	SERV. ROBOT	B-18	110	1	3.5		



2 SHUNT TRIP WIRING DETAIL

SCALE: NTS

CARBON MONOXIDE MONITORING:  
THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING A MEANS OF MONITORING AND ALARMING THE OCCUPANTS UPON THE PRESENCE OF CARBON MONOXIDE (CO). THE MEANS OF DETECTION SHALL BE LOCATED NEAR EQUIPMENT THAT PRODUCES PRODUCT OF COMBUSTION. LOCATIONS SHALL INCLUDE BUT NOT BE LIMITED TO; GAS FIRED OVENS, GAS FIRED WATER HEATERS, GAS FIRED FURNACES, ETC.

EC SHALL PROVIDE GFI BREAKERS FOR ALL SINGLE PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50A OR LESS. FOR THREE PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100A OR LESS IN THE KITCHEN AND SERVING AREAS TO COMPLY WITH NEC 210.8.B.2. EC SHALL NOT USE GFI OUTLETS, UNLESS OTHERWISE NOTED. COORDINATE WITH PANEL SCHEDULES.

1 ELECTRICAL POWER PLAN

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

LMHT Project No. 21318

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06.24.2022

SEAL  
049994

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LMHT ENGINEER LICENSE  
NUMBER - C-1369

PROJECT: **HIGHWAY 55**  
30 PROTOTYPE  
1424 CURTIS BRIDGE ROAD  
WILKESBORO, NC 28697

DRAWING: ELECTRICAL POWER PLAN

Revisions

THRU ADDENDUM	"A"
01/20/2022	

△EQUIP. UPDATE - 06.24.2022

PROJECT DATE  
01/07/2022

Drawn By  
JP

Checked By  
JP

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