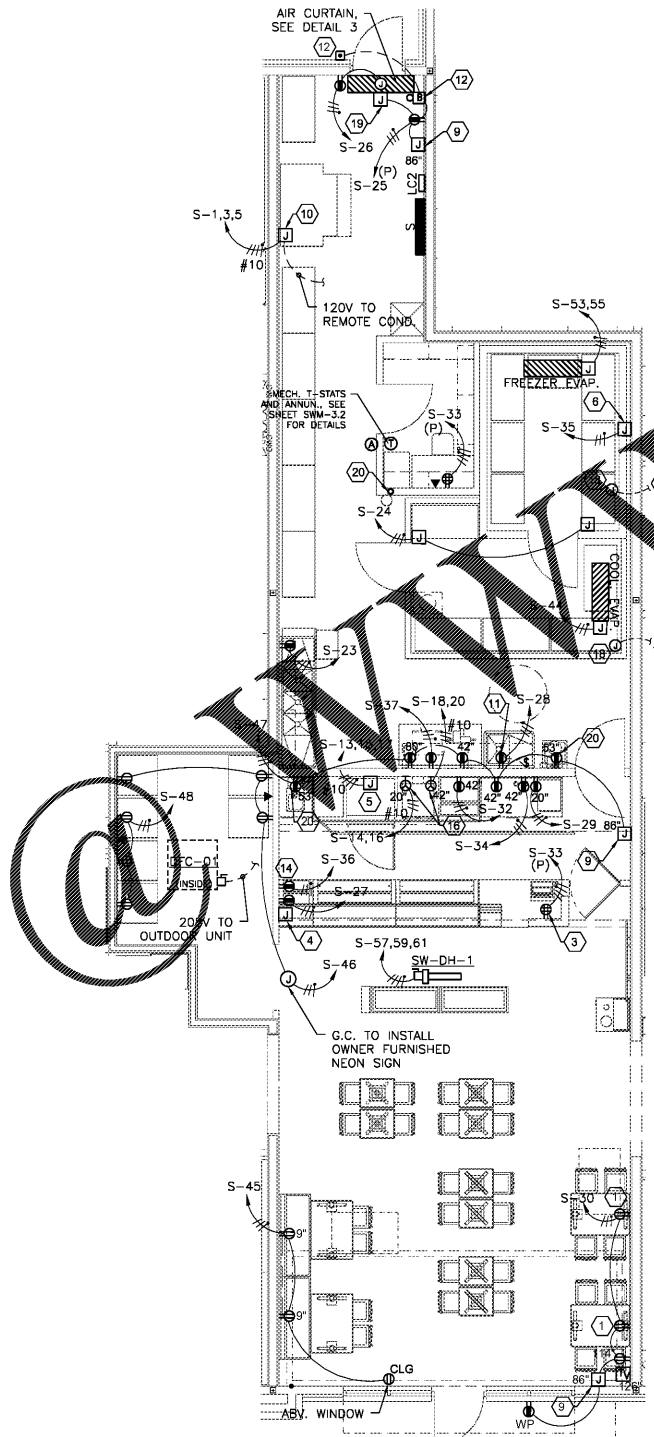


PANEL S													
VOLTAGE (L-N): 120				ENCLOSURE TYPE: NEMA 1									
VOLTAGE (L-L): 208				MOUNTING: SURFACE									
PHASES, WIRES: 3 Ø, 4 W				AIC RATING (A): 22000									
MINIMUM BUS CAPACITY: 400 A				NOTES: PROVIDE W/ I.G. BAR									
MAIN O.C. DEVICE: 400 A MLO													
CKT. NO.	TRIP AMPS	POLE	DESCRIPTION	LOAD (VA)			DESCRIPTION	POLE	TRIP AMPS	CKT. NO.	LOAD (VA)		
				A	B	C					A	B	C
1,3,5	30	3	ICE MAKER	2220			SW-RTU-1 *2	3	70	2,4,6			
1,3,5	30	3	ICE MAKER	2220			SW-RTU-1 *2	3	70	2,4,6			
1,3,5	30	3	ICE MAKER	2220			SW-RTU-1 *2	3	70	2,4,6			
7,9,11	20	3	COOLER COND.	500			WALK-IN FREEZER	3	20	8,10,12			
7,9,11	20	3	COOLER COND.	500			WALK-IN FREEZER	3	20	8,10,12			
7,9,11	20	3	COOLER COND.	500			WALK-IN FREEZER	3	20	8,10,12			
13,15,17	30	3	BAKING OVEN	2928			CONVECTION OVEN	2	30	14,16			
13,15,17	30	3	BAKING OVEN	2928			CONVECTION OVEN	2	30	14,16			
13,15,17	30	3	BAKING OVEN	2928			CONVECTION OVEN	2	30	18,20			
19,21	40	2	HP-01 *2	3432			CONVECTION OVEN	2	30	18,20			
19,21	40	2	HP-01 *2	3432			INTERIOR SIGN	1	20	22			
23	20	1	DISHWASHER	1440			WALK-IN DOOR HTRS	1	20	24			
25	20	1	REC - KITCHEN, DOOR ALARM	630			AIR CURTAINS	1	20	26			
27	20	1	REC - HOT COUNTER	1800			REC - DISPOSAL	1	20	28			
29	20	1	REFRIGERATORS	960			REC - DINING	1	20	30			
31	20	1	SUBWAY MENU	360			FRESH DISPLAY	1	20	32			
33	20	1	IG REC - COMPUTER, REG.	720			COFFEE BREWER	1	20	34			
35	20	1	REC - WALK-IN HEAT TAPE	180			REC - COLD COUNTER	1	20	36			
37	20	1	MICROWAVE	1200			SW-EF-1	1	20	38			
39	20	1	LTG - DINING	594			BLDG. SIGN *1	1	20	40			
41	20	1	LTG - EXTERIOR *1	250			STREET SIGN *1	1	20	42			
43	20	1	LTG - KITCHEN	1133			COOLER FANS	1	20	44			
45	20	1	REC - DINING	540			REC - GAMEROOM	1	20	46			
47	20	1	REC - KITCHEN	810			REC - GAMEROOM	1	20	48			
49	20	1	LTG - GAMEROOM	180			HOOD LIGHTS & CNTRL.	1	20	50			
51	20	1	SPARE	0			SW-RTU-2 *2	3	50	52,54,56			
53,55	20	2	WALK-IN FREEZER EVAP.	1650			SW-RTU-2 *2	3	50	52,54,56			
53,55	20	2	WALK-IN FREEZER EVAP.	1650			SW-RTU-2 *2	3	50	52,54,56			
57,59,61	20	3	SW-DH-1	1333			SPARE	1	20	58			
57,59,61	20	3	SW-DH-1	1333			SPARE	1	20	60			
57,59,61	20	3	SW-DH-1	1334			SPARE	1	20	62			
63	20	1	SPARE	0			SPARE	1	20	64			
65	20	1	SPARE	0			SPARE	1	20	66			
				CONNECTED LOAD PHASE TOTALS (VA)									
				35789	33909	33383							
CIRCUIT NOTES:				CONN. LOAD (KVA)		DEMAND FACTOR		DEMAND LOAD (KVA)		CONNECTED LOAD			
1. ROUTE THROUGH LIGHTING CONTACTOR (LC2)				37.3	0.80	29.8	103.1 KVA						
2. HACR CIRCUIT BREAKERS				32.7	1.00	32.7	285.2 AMPS						
Equipment				4.6	1.25	5.8	92.1 KVA						
Heating				19.2	0.70	13.4	255.8 AMPS						
Kitchen Equipment - Non-Dwelling Unit				2.2	1.25	2.7	52.0 KVA						
Lighting				1.2	1.25	1.5	144.2 AMPS						
Lighting - Exterior				1.1	1.00	1.1	36 %						
Motors				1.1	1.25	1.4							
Motors (Largest)				1.1	1.25	1.4							
Receptacles (0 - 10 KVA)				3.8	1.00	3.8							



1 FLOOR PLAN - POWER
3/16" = 1'-0"

ELECTRICAL GENERAL NOTES

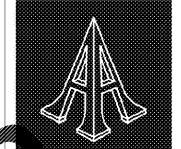
- ALL OUTLET ELEVATIONS ARE MINIMUM TO BOTTOM OF COVER PLATES AND ARE BASED ABOVE CONCRETE SLAB. TYPICAL ELEVATION IS 15" AFF U.O.N.
- ALL 15A & 20A 120V RECEPTACLES IN FOOD PREPARATION AREAS SHALL BE GFCL.
- ALL SWITCHGEAR SHALL BE CUTLER-HAMMER, PROVIDED BY OWNER. ANY REQUIRED FUSES BY E.C.

ELECTRICAL KEYED NOTES:

- LOCATE THE RECEPTACLES AT WINDOWS TO BE HORIZONTAL JUST BELOW WINDOW SILL FRAMING. AT OTHER LOCATIONS, MOUNT HORIZONTAL AT BOTTOM OF FACEPLATE AT 32" AFF. RECEPTACLES SHALL HAVE DUAL CHARGING PORTS (HUBBELL USB15X2).
- NOTE NOT USED
- MOUNT RECEPTACLE AT 24" A.F.F. RECEPTACLE SHALL BE HUBBELL TYPE 120 QUAD WITH ISOLATED GROUND. ROUTE FLEX CONDUIT BACK THROUGH COUNTER TO SIDE WALL.
- RECESSED JUNCTION BOX AT 12" AFF WITH PHOTO DATA PROVISIONS FOR CASH SECTION OF COUNTER.
- E.C. SHALL PROVIDE CONNECTION FROM J-BOX TO OVEN. IF PLUG CONNECTION IS PROVIDED WITH HOOD, INSTALL A NEMA 15-50 IN PLACE OF DIRECT CONNECTION.
- WRAP CONDENSER LINES WITH HEAT TAPE AND PROVIDE 120V CONNECTION. REFER TO HEAT TAPE MANUFACTURER INSTRUCTIONS.
- PROVIDE CONTROL CIRCUIT AND 3/4" CONDUIT TO CONDENSING UNIT ON ROOF.
- NOTE NOT USED
- HARDWARE CONNECTION TO FLY TRAP. E.C. SHALL MODIFY CORD FOR HARDWARE.
- REFER TO MANUFACTURER'S REQUIREMENTS FOR ICE MACHINE WIRING.
- DUPLEX RECEPTACLE UNDER COUNTER FOR DISPOSAL. LOCATE SWITCH ABOVE COUNTER.
- PROVIDE WEATHERPROOF DOORBELL BUTTON WITH STAINLESS STEEL COVER MOUNTED AT 48" A.F.F. NEAR REAR DOOR ON EXTERIOR. CONNECT BELL AND TRANSFORMER (AT CEILING HEIGHT). PROVIDE 2-NOTE DOORBELL.
- NOTE NOT USED
- RUN ALL CONDUITS FOR SERVICE COUNTER CIRCUITS DOWN THIS WALL. UTILIZE THE COUNTER'S CHASE FOR EXTENDING THE CIRCUITS TO THE DEDICATED OUTLETS OR J-BOXES OF THE EQUIPMENT. E.C. SHALL PROVIDE OUTLETS AND J-BOXES REQUIRED FOR THE SERVICE COUNTER EQUIPMENT.
- NOTE NOT USED
- PROVIDE NEMA 6-30 RECEPTACLE FOR CONNECTION TO MICROWAVE / CONVECTION OVEN.
- NOTE NOT USED
- ALL CONDUIT AND WIRE FOR WALK-INS SHALL BE DONE OUTSIDE OF WALK-INS AND ALL PENETRATIONS SHALL BE SEALED PER THE NEC.
- J-BOX FOR DOOR ALARM ABOVE CEILING. SEE DETAIL 3 THIS SHEET.
- 3" CONDUIT UNDER SLAB TO ELECTRICAL ROOM. STUB UP IN OFFICE WALL AND TERMINATE INTO A 4"x4" BOX. SEE SHEET E-4.1 FOR CONTINUATION. EXTEND A 2" CONDUIT TO ABOVE CEILING.

POWER LEGEND

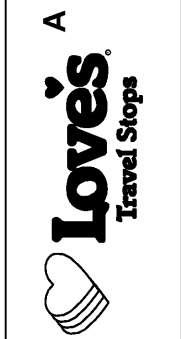
SYMBOL	DENOTES
	JUNCTION BOX
	NEMA 5-20R SINGLE RECEPTACLE
	NEMA 5-20R DUPLEX RECEPTACLE
	NEMA 5-20R GFI RECEPTACLE
	NEMA 5-20R QUADRUPLIX RECEPTACLE
	SINGLE PHASE RECEPTACLE, CONFIGURATION AS NOTED
	FLUSH FLOOR NEMA 5-20R DUPLEX RECEPTACLE
	CEILING MOUNTED NEMA 5-20R DUPLEX RECEPTACLE
	CLOCK OUTLET
	MULTIOUTLET SURFACE METAL RACEWAY
	CIRCUIT HOMERUN - HOT, NEUTRAL & GROUND #12 THHN IN 1/2" EMT CONDUIT UNLESS OTHERWISE NOTED
	PARTIAL CIRCUIT
	MOTOR CONNECTION
	MANUAL MOTOR STARTER W/ THERMAL OVERLOAD
	NON-FUSIBLE SAFETY SWITCH (FRAME SIZE/# POLES)
	FUSIBLE SAFETY SWITCH (FRAME SIZE/# POLES/FUSE SIZE)
	BRANCH CIRCUIT PANELBOARD - SURFACE MOUNTED
	BRANCH CIRCUIT PANELBOARD - FLUSH MOUNTED
	DISTRIBUTION PANELBOARD



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A NEW TRAVEL STOP
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SWE-3.1

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