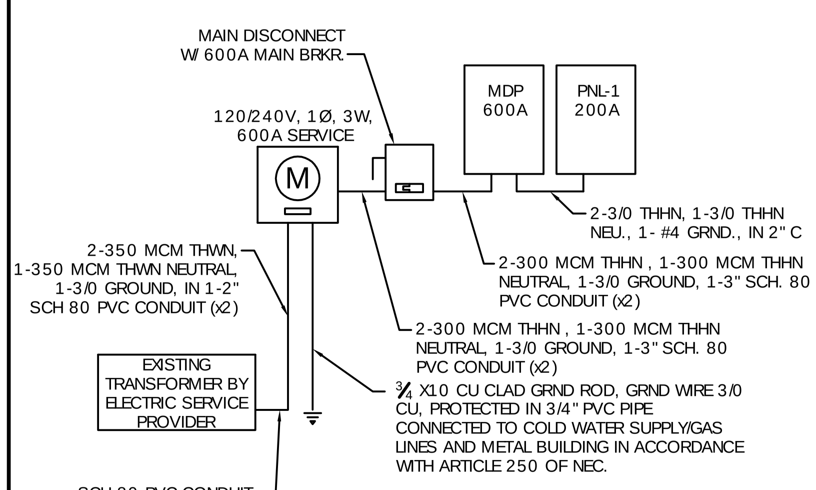
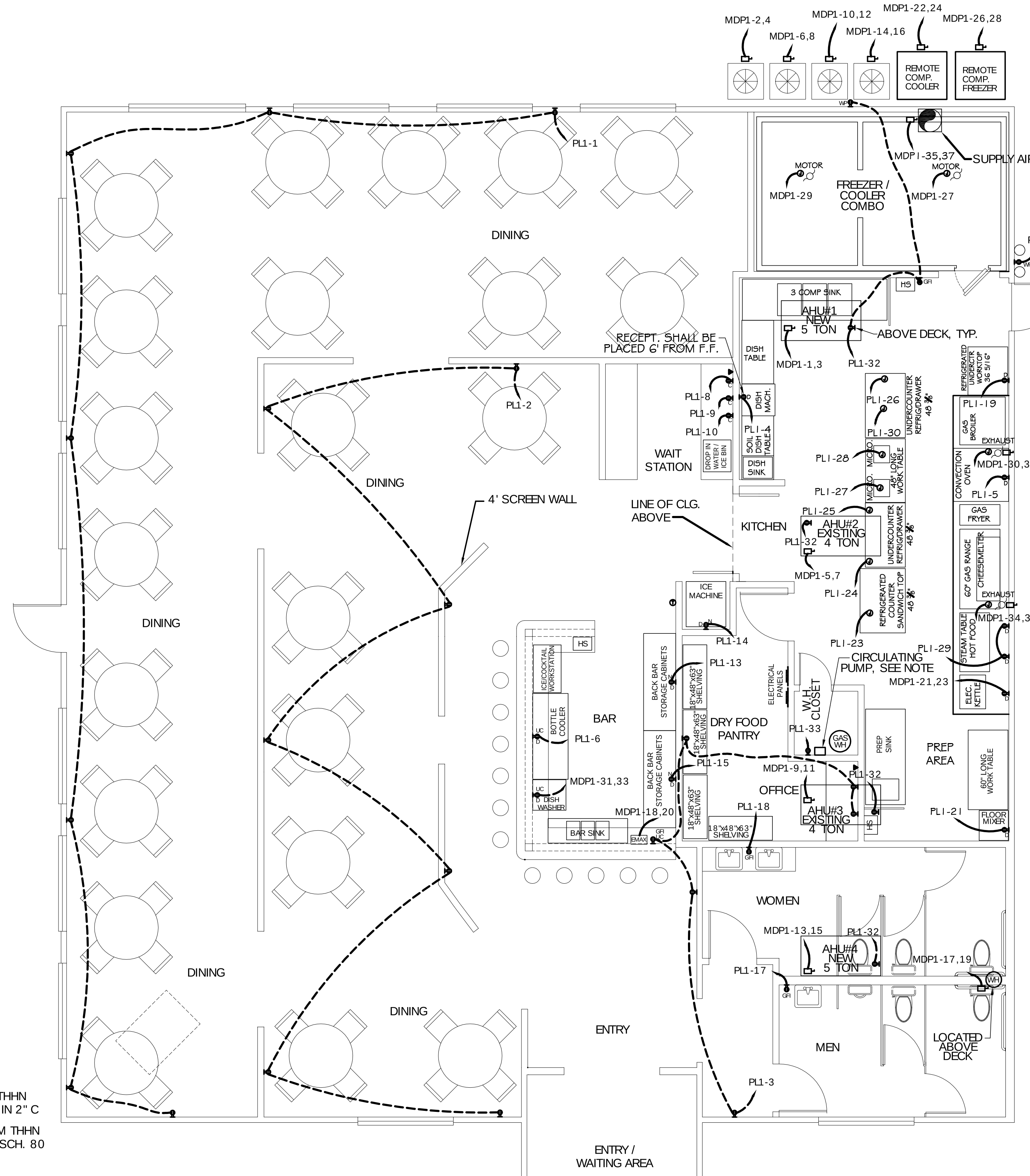
ELECTRICAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
8. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
9. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT. AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS. M-2 MC MAY BE USED FOR LIGHTING WHIPS.
10. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.
11. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
12. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE ¾" EMT OR MC CABLE FOR INTERIOR USE, AND ¾" RIGID ALUMINUM OR SCH 80 PVC FOR EXTERIOR USE. USE TYPE MC CABLE COPPER, FOR LIGHTS AND RECEPTACLE CIRCUITS. EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS/. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS. STAMPED BOXES MAY BE USED ABOVE CEILINGS IN AIR CONDITIONED SPACES.
13. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
14. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
15. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPR 250-23, 250-71 &250-72.
16. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
17. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
18. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL.
19. EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
20. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)



ELECTRICAL ONE LINE

N.T.S.



POWER PLAN

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

LEGEND

- 120V, 20A DUPLEX RECEPTACLE
- 120V, GFI RECEPTACLE
- 120V, DEDICATED RECEPTACLE
- 120V, RECEPTACLE AT COUNTER HEIGHT
- 115V, NEMA 5-15R RECEPTACLE
- 120V, RECEPTACLE UNDER COUNTER
- 120V, WEATHERPROOF RECEPTACLE
- DISCONNECT
- POWER PANEL
- THERMOSTAT
- TELEPHONE / COMPUTER
- EXHAUST FAN
- (WH) 15 GAL WATER HEATER
- J-BOX 220V

NOTE:
HOT WATER CIRCULATING PUMP - ARMSTRONG S-25, 1/12 HP 115V, 1 PHASE PROVIDE PROGRAMMABLE TIMER FOR PUMP CONT.

PANEL: MDP-1
LOCATION: OFFICE AREA / PANTRY
FEEDER SOURCE: UTILITY CO
VOLTAGE: 120/240V, 600A 1ф, 3W
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR MLO, W- BOLT ON BRK

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA) A/B	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT. NO.
1, 3	#6	AHU #1 15 KW HEAT	65	2	7500 / 7500	4800 / 4800	2	60	A/C #1 (NEW) 5 TONS	#6	2, 4
5, 7	#6	AHU #2 15KW HEAT	65	2	7500 / 7500	3480 / 3480	2	40	A/C #2 (EXISTING) 4 TONS	#8	6, 8
9, 11	#6	AHU #3 15KW HEAT	65	2	7500 / 7500	3480 / 3480	2	40	A/C #3 (EXISTING) 4 TONS	#8	10, 12
13, 15	#6	AHU #4 15KW HEAT	65	2	7500 / 7500	4800 / 4800	2	60	A/C #4 (NEW) 5 TONS	#6	14, 16
17, 19	#10	WATER HEATER 15 GAL	30	2	1000 / 1000	4750 / 4750	2	40	EMAX 220V	#8	18, 20
21, 23	#6	KETTLE SHUNT TRIP BREAKER	50	2	6000 / 6000	888 / 888	2	20	REMOTE COOLER COMP.	#12	22, 24
25	#12	SWITCH "H" ALL EXTERIOR LIGHTS	20	1	800	1104	2	20	REMOTE FREEZER COMP.	#12	26, 28
27	#12	COOLER EVAP.	20	1	1008	1104					
29	#12	FREEZER EVAP.	20	1	1080	882	2	20	EXHAUST HOOD #1 SHUNT TRIP BREAKER	#12	30, 32
31, 33	#10	UNDERCOUNTER DISH WASHER	30	2	3000 / 3000	882 / 882	2	20	EXHAUST HOOD #2 SHUNT TRIP BREAKER	#12	34, 36
35, 37	#12	EXHAUST HOOD SUPPLY AIR	20	2	882 / 882	882					
						–	–	–	SPACE		38
39		SPACE	–	–	–	28078	2	200	PANEL PL-1		40, 42
41		SPACE	–	–	–	27582					

SOLID NEUTRAL NEUTRAL WIRE (#) | TOTAL CONNECTED LOAD (VA): A= 57,199 B= 55,680 | GROUND BUS GROUND WIRE (#)

PANEL: PL-1
LOCATION: OFFICE AREA / PANTRY
FEEDER SOURCE: MDP-1
VOLTAGE: 120/240V, 200A 1ф, 3W
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR MLO, W- BOLT ON BRK

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT. NO.
1	#12	DINING RECEPTACLES	20	1	1120	1120	1	20	DINING RECEPTACLES	#12	2
3	#12	ENTRY, BAR, AND OFFICE RECEPT.	20	1	960	3600	1	20	DISH MACHINE IN KITCHEN	#12	4
5	#12	CONVECTION OVEN SHUNT TRIP BREAKER	20	1	2160	1752	1	20	UNDERCOUNTER BEER COOLER	#12	6
7	#12	ICE / COCKTAIL STATION	20	1	200	840	1	20	COFFEE MACHINE	#12	8
9	#12	SODA MACHINE	20	1	1080	840	1	20	TEA BREWER	#12	10
11	#12	SWITCH "A" 18 SCONCE LIGHTS	20	1	1700	1200	1	20	SWITCH "B" 12 PENDANT LIGHTS	#12	12
13	#12	BACK BAR BEER STORAGE	20	1	1800	1380	1	20	ICE MACHINE	#12	14
15	#12	BACK BAR BEER STORAGE	20	1	1800	180	1	20	CO2 RECEPTACLE OUTSIDE	#12	16
17	#12	MENS ROOM RECEPTACLE	20	1	180	180	1	20	WOMENS ROOM RECEPTACLE	#12	18
19	#12	REF. UNDERCTR. WORKTOP 36"	20	1	1128	1680	1	20	OFFICE/PANTRY, BOTH R.R., W.H. AND AHU #3 & 4 LIGHTS	#12	20
21	#12	FLOOR MIXER	20	1	2040	1700	1	20	KITCHEN, AHU #1 & 2 AND EXTERIOR SIDE LIGHTS	#12	22
23	#12	SANDWICH TOP REFRIG. 48"	20	1	2004	2004	1	20	48" UNDER COUNTER REFRIG.	#12	24
25	#12	HEAT LAMP	20	1	1800	1800	1	20	HEAT LAMP	#12	26
27	#12	MICROWAVE	20	1	1200	1200	1	20	MICROWAVE	#12	28
29	#12	STEAM TABLE SHUNT TRIP BREAKER	20	1	2256	1680	1	20	48" UNDER COUNTER REFRIG.	#12	30
31	#12	SWITCH "C" 18 CAN LIGHTS	20	1	1800	960	1	20	ALL AHU RECEPTACLES AND HAND SINK (KITCHEN) RECEPT.	#12	32
33	#12	CIRCULATING PUMP	20	1	240	600	1	20	LIGHT HOOD #1& #2	#12	34
35	#12	SWITCH "D" 14 SCON. LIGHTS AND 4 PENDANTS	20	1	1800	1800	1	20	SWITCH "E" 8 CAN / 10 PEND.	#12	36
37	#12	SWITCH "F" 18 CAN LIGHTS	20	1	1800	1800	1	20	SWITCH "G" 6 PEND. / 3 CAN AND 1 CHANDELIER	#12	38
39		SPACE	–	–	–	–	–	–	SPACE		40
41		SPACE	–	–	–	–	–	–	SPACE		42

SOLID NEUTRAL NEUTRAL WIRE (#) | TOTAL CONNECTED LOAD (VA): A= 27,558 B= 28,078 | GROUND BUS GROUND WIRE (#)

NEW WALK IN COOLER / FREEZER

TO BE KOLPAK, OR EQUAL, NOMINAL DIMENSION AS SHOWN ON PLANS, STANDARD HEIGHT. PROVIDE COMPLETE OPERATING SYSTEM. START, TEST, OPERATE, AND DEMONSTRATE SYSTEM PRIOR TO ACCEPTANCE. STANDARD WALL PANELS TO BE 4" THICK FOAMED IN PLACE URETHANE SANDWICH BETWEEN METAL SURFACES. FOAM PLASTICS SHALL MEET THE REQUIREMENTS OF SOUTHERN BUILDING CODE SECTION 717. EXTERIOR FLOOR, CEILING, TO BE 26-GAUGE GALVALUME. CONCEALED EXTERIOR WALLS TO BE 26 GAUGE EMBOSSED GALVALUME. INTERIOR WALLS AND CEILING TO BE 22-GAUGE STAINLESS STEEL, INTERIOR FLOOR TO BE 1/8" THICK ALUMINUM TREAD PLATE. EXPOSED EXTERIOR WALLS TO BE 22-GAUGE STAINLESS STEEL. ENTRANCE DOORS TO BE STANDARD 34" X 78", WITH CYLINDER LOCK AND INSIDE SAFETY RELEASE HANDLE. UNIT TO HAVE NSF LABEL AND BE COMPLETE WITH REFRIGERATION LINES, MATCHING CLOSURE TRIM, SKIRTS, BASE COVE, ETC. PROVIDE STANDARD REFRIGERATION SYSTEM WITH REMOTE ALL WEATHER CONDENSING UNIT, AIR COOLED. PROVIDE COPPER CONDENSATE AND DRAIN LINES. PROVIDE PROPER ELECTRICAL CONNECTIONS, WIRING, SERVICE, FITTINGS, ETC. PROVIDE STANDARD 10 YEAR PANEL WARRANTY AND 5-YEAR REFRIGERATION WARRANTY, OPERATION AND MAINTENANCE INSTRUCTIONS.

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ARCHITECTURE
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NEW RESTAURANT

CHRISTIANO'S RISTORANTE
OAK HARBOR BLVD
LOT 29
SLIDELL, LA 70458

POWER PLAN

REV:

SCALE: AS NOTED
JOB#: 1955
DATE: 5-16-08
SHEET 8

E-1

OF 11