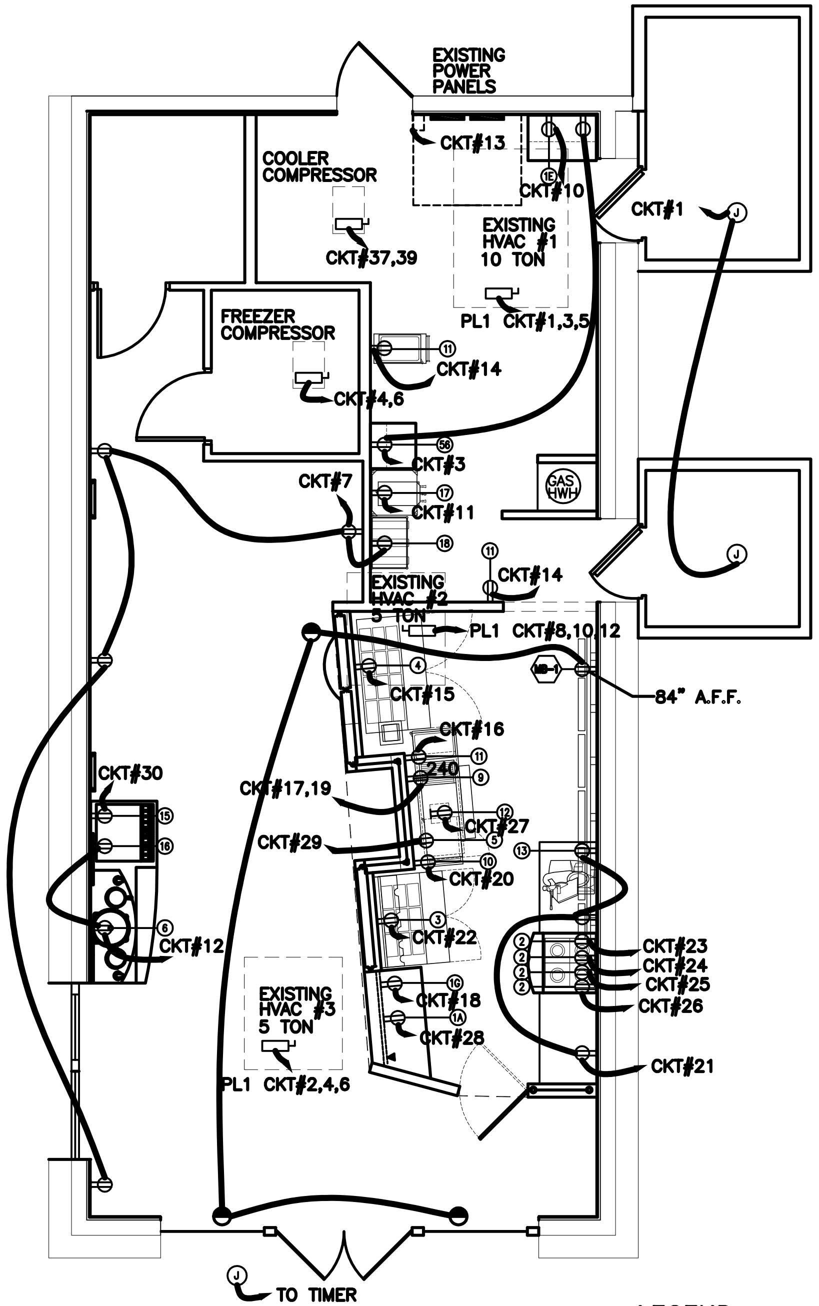
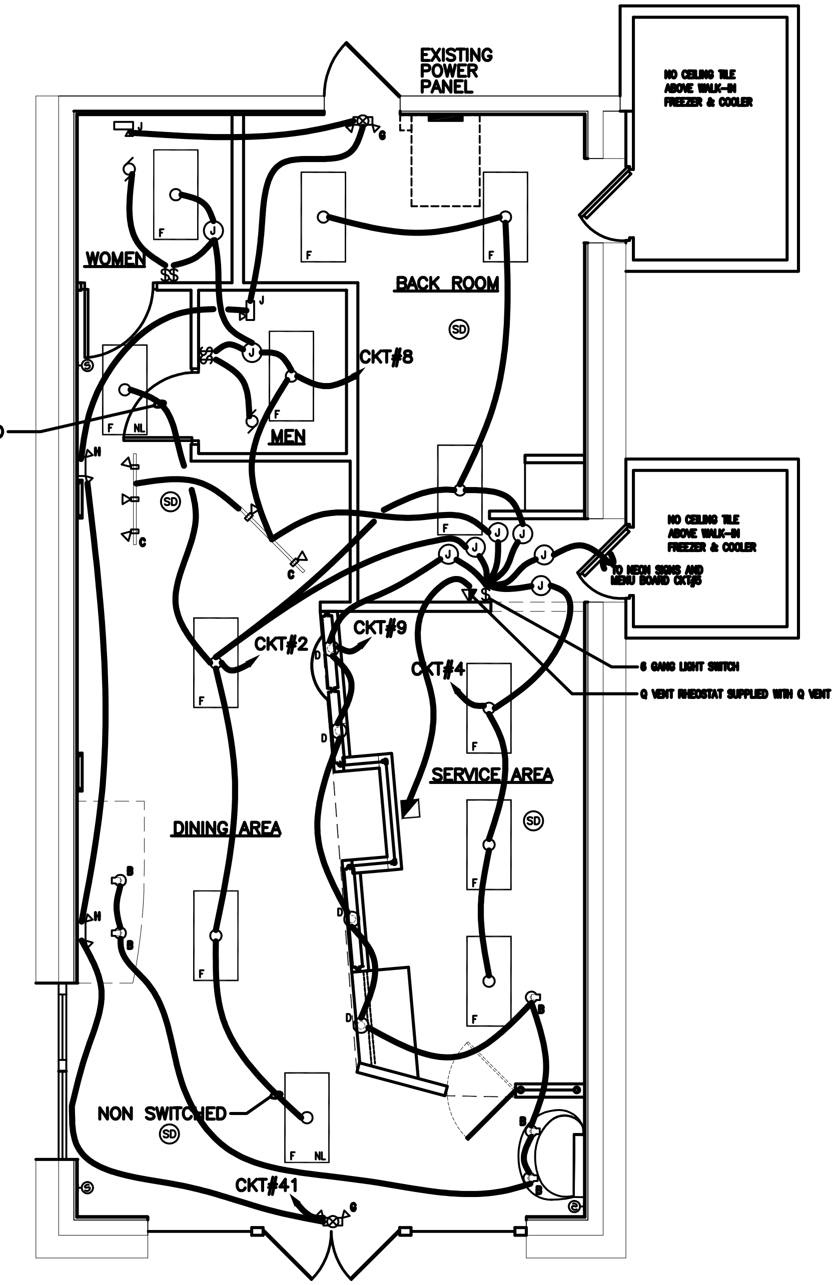


POWER PLAN
SCALE:1/4"=1'-0"



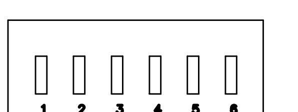
LIGHTING PLAN
SCALE:1/4"=1'-0"

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 ELEVATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD, UNLESS NOTED OTHERWISE.
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.
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 3/4" EMT FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. USE TYPE NMC CABLE COPPER, FOR LIGHTS & 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 WEATHERPROOF.
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 & ALARM COMPANY TO DESIGN & 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 & 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.)
21. ALL ELECTRICAL COMPONENTS SHALL BE SIZED TO MEET THE REQUIREMENTS OF THE EQUIPMENT BEING INSTALLED.
22. ELECTRICAL CONTRACTOR SHALL INSTALL SAFETY SWITCH OR CIRCUIT BREAKER AT SECONDARY SIDE OF POWER COMPANY METER, IF NOT EXISTING.
23. ELECTRICIAN IS TO CONTACT ENGINEER PRIOR TO CONNECTING THE TOASTER TO ELECTRICAL PANEL. IF THE VOLTAGE READ AT THE PANEL DOES NOT MATCH VOLTAGE CALLED FOR ON THIS DRAWING THE ELECTRICIAN IS TO INSTALL A BUCKING OR BOOSTER TRANSFORMER AS NEEDED.

LEGEND

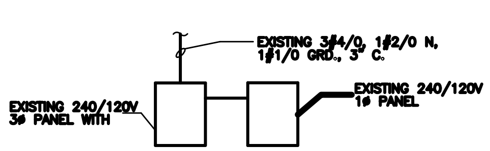
- B – FLUSH MOUNT FIXTURE
- C – TRACK FIXTURE
- D – PENDANT FIXTURE
- F – TROFFER – 2'x4'
- F NL – TROFFER – 2'x4' NIGHT LIGHT
- WALL MOUNTED LIGHT
- S – SPEAKER
- $ – SWITCH
- HWH – HOT WATER HEATER
- DUPLEX RECEPTACLE
- GFI – DUPLEX RECEPTACLE GFI
- POWER PANEL
- TELEPHONE/COMPUTER
- DISCONNECT SWITCH
- SD – SMOKE DETECTOR
- J – JUNCTION BOX
- SPECIAL RECEPTACLE MOUNT ON CEILING
- G – EXIT/EMERGENCY LIGHT
- H – EMERGENCY LIGHT
- J – EMERGENCY LIGHT
- EXHAUST FAN



NAMEPLATES

1–PENDANT AND FLUSH MOUNT FIXTURES
2–NEON SIGNS AND MENU BOARD
3–DINING AREA FLUORESCENTS
4–SERVICE FLUORESCENTS
5–BACK ROOM FLUORESCENCE
6–TRACK LIGHTS

NAMEPLATES FOR LIGHT SWITCHES
N.T.S.



ONE LINE DIAGRAM
N.T.S.

Q.P.O.S. EQUIPMENT SCHEDULE (X)

	MARK	QTY	DESCRIPTION	MANUFACTURER	MODEL NO
POS	1A	1	ORDER TERMINAL		
	1B	1	COIN DISPENSER – OPTIONAL	TELEQUIP	TRANSACT 2+
	1C	1	CASH TRAY DRAWER		
	1D	1	TELEPHONE		
	1E	1	FAX MACHINE		
	1G	1	RECEIPT PRINTER		

IG RECEPTACLE
FOH (front of house)
CONTRACTOR TO INSTALL AT MANAGER'S DESK
PER FOLLOWING SPECIFICATIONS:
• ONE (1) IG RECEPTACLE REQUIRED FOR EACH Q.P.O.S. STATION.
• 120 VOLT AC. 15 AMP OR 20 AMP (recommended)
• SHALL BE DEDICATED CIRCUITS (INDIVIDUAL BRANCH CIRCUITS)
SURGE SUPPRESSER IS REQUIRED.

BOH (back of house)
CONTRACTOR TO INSTALL AT MANAGER'S DESK
PER FOLLOWING SPECIFICATIONS:
• ONE (1) IG RECEPTACLE REQUIRED FOR DESK AREA.
• 120 VOLT AC. 15 AMP OR 20 AMP (recommended)
• SHALL BE DEDICATED CIRCUITS (INDIVIDUAL BRANCH CIRCUITS)
• SURGE SUPPRESSER IS REQUIRED.

TELEPHONE LINE SPECIFICATIONS:
• POTS LINE 1 – VOICE
• POTS LINE 2 – VOICE ROLLOVER & FAX MACHINE, SPLIT USING A COM SWITCH
• LINE 3 – CREDIT CARD BOX & QPOS

Q.P.O.S. OPERATING SPECIFICATIONS:
• TO ASSURE THAT FLUCTUATIONS IN POWER OR "NOISE" GENERATED BY OTHER ELECTRONIC EQUIPMENT WILL NOT INTERFERE WITH THE PROPER OPERATION OF THE Q.P.O.S. THE FOLLOWING SITE CIRCUIT SPECIFICATIONS SHOULD BE FOLLOWED:
• THE CIRCUIT SHOULD BE ISOLATED FROM OTHER CIRCUITRY (DEDICATED) AT THE MAIN ELECTRICAL JUNCTION BOX.
• THE CIRCUIT SHOULD BE PROTECTED BY A 20 AMP BREAKER SWITCH.
• THE NEUTRAL AND GROUND WIRES MUST REMAIN ISOLATED AND SHOULD BE JOINED ONLY AT THE JUNCTION BOX. DO NOT USE CONDUIT, DUCTS, OR WATER PIPE FOR THE GROUND.
• THERE MUST NOT BE ANY OTHER ELECTRICAL EQUIPMENT ON THE CIRCUIT DEDICATED TO THE Q.P.O.S. EQUIPMENT OR IT'S PERIPHERALS.
• ALWAYS CONSULT LOCAL GOVERNING AGENCIES FOR SPECIFIC CODE REQUIREMENTS.
• SURGE SUPPRESSER IS REQUIRED.

NOTE:
TO COORDINATE THE INSTALLATION OF THE MUSIC AND POS SYSTEMS CALL:
CAPOTECK AT 800-208-4820

ELECTRICIAN IS TO LABEL THIS PANEL: 240V WITH STINGER LEG

EXISTING PANEL: PL-1
LOCATION: BACK ROOM
EXISTING PROVIDER
VOLTAGE: 240/120V, 250A 3Φ, 4W WITH STINGER
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GRND BAR
250A, MLO

CKT. NO.	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	CKT. NO.
1	A/C COMPRESSOR #1	60	3	2917	1148	3	45	A/C COMPRESSOR #5	2
3				2917	1148				4
5				2917	1148				6
7	SUB PANEL	200	2		1148	3	45	A/C COMPRESSOR #2	8
9					1148				10
11	BLANK				1148				12
13	BLANK							BLANK	14
15	BLANK							BLANK	16
17	BLANK							BLANK	18

SOLID NEUTRAL / NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AΦ = [illegible] BΦ = [illegible] CΦ = 4,313VA
GROUND BUS / GROUND WIRE (W)

EXISITING PANEL: 2
LOCATION: BACK ROOM
SUB PANEL
VOLTAGE: 240/120V, 200A 1Φ, 3W
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GRND BAR
200A, MLO

CKT. NO.	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	CKT. NO.
1	FREEZER AND COOLER LIGHTS	20	1	400	960	1	20	DINING, SERVICE AND BACK AREA LIGHTS	2
3	TRAINING DESK & MUSIC SYSTEM	20	1	2200	575	2	20	FREEZER COMPRESSOR	4
5	MENU BOARD & NEON SIGNS	20	1	1330	575				6
7	DINING AREA & BAG-N-BOX OUTLETS	20	1	808	1250	1	20	MEN/WOMEN VENT/LIGHT & TRACK LIGHTING	8
9	PENDANT AND SURFACE LIGHTING	20	1	500	2200	1	20	OUTLET FOR FAX MACHINE	10
11	COFFEE/TEA BREWER OUTLET	20	1	2160	1035	1	20	DRINK DISPENSER OUTLET & SINGLE FLAV DRINK DISP. OULTET	12
13	TIMER FOR EXTERIOR SIGN	20	1	2200	1150	1	20	COOKER/WARMER OUTLET	14
15	SANDWICH TABLE OUTLET	20	1	1265	1150	1	20	COOKER/WARMER OUTLET	16
17	TOASTER	50	2	3800	55	1	20	RECEIPT PRINTER OUTLET	18
19				3800	1725	1	20	MICROWAVE OVEN OUTLET	20
21	SLICER OUTLET & SERVICE AREA OUTLETS	20	1	744	1265	1	20	SANDWICH TABLE OUTLET	22
23	SOUP STATION OUTLET	20	1	1375	1375	1	20	SOUP STATION OUTLET	24
25	SOUP STATION OUTLET	20	1	1375	1375	1	20	SOUP STATION OUTLET	26
27	EXHAUST HOOD	20	1	2200	2200	1	20	ORDER TERMINAL OUTLET	28
29	DELI CASE OUTLET	20	1	2300	1472	1	20	ICE MAKER OUTLET	30
31	SPARE	20	1			1	20	SPARE	32
33	SPARE	20	1			1	20	SPARE	34
35	SPARE	20	1			1	20	SPARE	36
37	COOLER COMPRESSOR	20	2	575		1	20	SPARE	38
39				575		1	20	SPARE	40
41	SMOKE DETECTORS EXIT/EMERGENCY LIGHTS	20	1	2200		1	20	SPARE	42

SOLID NEUTRAL / NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA): AΦ 24,615VA BΦ 25,791VA
GROUND BUS / GROUND WIRE (W)

REVISION: 12-28-2004

ELECTRICAL PLAN

STEVE CHARBONNET & ANETTA WALKER
3008 NAPOLEON AVENUE
NEW ORLEANS, LOUISIANA

QUIZNOS SUB SHOP #7687

DAMMON ENGINEERING. INC.
1095 FLORIDA AVENUE 985-649-5832 SLIDELL, LA. 70458
DAMMONENGINEERING.COM

SCALE: AS NOTED
FILE:
JOB NO. 1618
DATE: 10-18-04
SHEET 6
E-1
OF 8