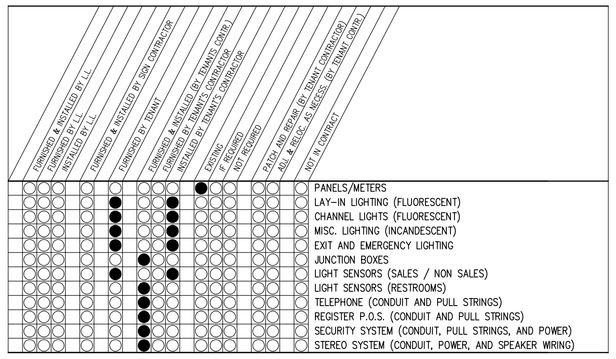
SYMBOL	DESCRIPTION	CSI PART NUMBER	MANUFACTURE & MODEL NUMBER	COLOR	LAMP	VOLTS	FIXTURE WATTAGE
A	2'x2' RECESSED FLUORESCENT W/ 9 CELL PARABOLIC LOUVER	----------	MANUFACTURER: LIGHTOLIER MODEL #: PLA2G9LP3FTUNVNJ	WHITE	MANUF: SYLVANIA MODEL #: FT40DL/28W/835/SS/ECO (3 REQ'D PER FIXTURE)	120/277	94
AE	2'x2' RECESSED FLUORESCENT W/ 9 CELL PARABOLIC LOUVER w/ EMERGENCY BATTERY	----------	MANUFACTURER: LIGHTOLIER MODEL #: PLA2G9LP3FTUNVNJ-V47	WHITE	MANUF: SYLVANIA MODEL #: FT40DL/28W/835/SS/ECO (3 REQ'D PER FIXTURE)	120/277	94
B	2'x4' RECESSED FLUORESCENT W/ 9 CELL PARABOLIC LOUVER	----------	MANUFACTURER: LIGHTOLIER MODEL #: DPA2G18LS332UNVH3	WHITE	MANUF: SYLVANIA MODEL #: SYLV FO32/735/XP/ECO (3 REQ'D PER FIXTURE)	120/277	86
C	CALCULITE 7" COMPACT FLUORESCENT RECESSED DOWNLIGHT	----------	MANUFACTURER: LIGHTOLIER MODEL #: 8037CCDW/S7142HU/1951/1956	WHITE	MANUF: SYLVANIA MODEL #: SYLV CF42DT/E/IN/835 (1 REQ'D PER FIXTURE)	120/277	46
C	CALCULITE 7" COMPACT FLUORESCENT RECESSED DOWNLIGHT w/ INTEGRATED EMERGENCY BATTERY PACK	----------	MANUFACTURER: LIGHTOLIER MODEL #: 8037CCDW/S7142HUEM/1951/195	WHITE	MANUF: SYLVANIA MODEL #: SYLV CF42DT/E/IN/835 (1 REQ'D PER FIXTURE)	120/277	46
CASCADE	CACIQUE DECORATIVE PENDANT - 5'-0"ø	----------	MANUFACTURER: CRW LIGHTING MODEL #: CRW 11889	BRUSHED ALUMINUM	MANUF: SYLVANIA MODEL #: SYLV CF260T/E/IN/835 (8 REQ'D PER FIXTURE)	120	162
D	RECESSED DOWNLIGHT W/ ADJUSTABLE ELBOW - MOUNTED IN 603MR TRIPLE MULTIPLE FRAME	----------	MANUFACTURER: LIGHTOLIER MODEL #: 603MR120/603WH/(3)478WHX/195	WHITE	MANUF: SYLVANIA MODEL #: SYLV 37MR16/IR/NFL25-12V (3 REQ'D PER FIXTURE)	120	225
D2	RECESSED DOWNLIGHT W/ ADJUSTABLE ELBOW - MOUNTED IN 602MR DOUBLE MULTIPLE FRAME	----------	MANUFACTURER: LIGHTOLIER MODEL #: 602MR120/602WH/(2)478WHX/195	WHITE	MANUF: SYLVANIA MODEL #: SYLV 37MR16/IR/NFL25-12V (2 REQ'D PER FIXTURE)	120	150
E	RECESSED DOWNLIGHT W/ ADJUSTABLE ELBOW	----------	MANUFACTURER: LIGHTOLIER MODEL #: 402MREX/478WHX	WHITE	MANUF: SYLVANIA MODEL #: SYLV 37MR16/IR/NFL25-12V (1 REQ'D PER FIXTURE)	NOT USED	
F4	4'-0" SURFACE MOUNTED FLUORESCENT	----------	MANUFACTURER: LIGHTOLIER MODEL #: SN4S132HPFUNVH1	WHITE	MANUF: SYLVANIA MODEL #: FO32/735/XP/ECO (1 REQ'D PER FIXTURE)	120/277	28
G	WALLMASTER 4' BIAX UNIT (WALLWASHER)	----------	MANUFACTURER: LIGHTOLIER MODEL #: WMRL244UNVPRQGNC	WHITE	MANUF: SYLVANIA MODEL #: FT40DL/28W/835/SS/ECO (2 REQ'D PER FIXTURE)	120/277	69
G2	WALLMASTER 2' BIAX UNIT (WALLWASHER)	----------	MANUFACTURER: LIGHTOLIER MODEL #: WMRL124UNVPR	WHITE	MANUF: SYLVANIA MODEL #: FT40DL/28W/835/SS/ECO (1 REQ'D PER FIXTURE)	120/277	35
H	CALCULITE 7" APERATURE CFL RECESSED OPEN WALL WASHER	----------	MANUFACTURER: LIGHTOLIER MODEL #: 8087CCDW/S7142BU/1951/1956	WHITE	MANUF: SYLVANIA MODEL #: SYLV CF42DT/E/IN/835 (1 REQ'D PER FIXTURE)	120/277	46
J	CALCULITE 6" APERATURE CFL RECESSED DOWNLIGHT	----------	MANUFACTURER: LIGHTOLIER MODEL #: 8031CCDW/S6132BUES/1951/195	WHITE	MANUF: SYLVANIA MODEL #: SYLV CF32DT/E/IN/835 (1 REQ'D PER FIXTURE)	NOT USED	
K	4 ¾" ADJUSTABLE DOWNLIGHT	----------	MANUFACTURER: LIGHTOLIER MODEL #: 404CDX/400MRX	WHITE	MANUF: SYLVANIA MODEL #: SYLV 37MR16/IR/NFL125-12V (1 REQ'D PER FIXTURE)	120	75
N	ACCENT SCONCE AT FITTING ROOM MIRRORS (2 PER FITTING ROOM)	----------	MANUFACTURER: LIGHTOLIER MODEL #: F3506-36U SATIN NICKEL	WHITE	MANUF: SYLVANIA MODEL #: FP24/835/HO/ECO (1 REQ'D PER FIXTURE)	120/277	24
RP	DECORATIVE CORD HUNG CF GLASS SHADE SINCLARE WHITE OPAL	----------	MANUFACTURER: PRIMA MODEL #: 7909763W	WHITE	MANUF: SYLVANIA MODEL #: SYLV CF18DT/E/IN/835 (1 REQ'D PER FIXTURE)	120	20
TA	PAR 38 METAL HALIDE TRACK FLOOD W/ HEX LOUVER	----------	MANUFACTURER: LIGHTOLIER MODEL #: 8108WH	WHITE	MANUF: SYLVANIA MODEL #: SYLV MP70PAR38/U/FL35/ECO (1 REQ'D PER FIXTURE)	120	77
TB	MR 16 TRACK SPOT W/ 18" STEM	----------	MANUFACTURER: LIGHTOLIER MODEL #: 627BWH/6074WH	WHITE	MANUF: SYLVANIA MODEL #: SYLV 20MR16/IR/NFL25C-12V (1 REQ'D PER FIXTURE)	120	50
TR4	4'-0" TRACK W/ POWER STRIP	----------	MANUFACTURER: LIGHTOLIER MODEL #: 6001WH/6099WH/CLD120WH	WHITE		120	
TR8	8'-0" TRACK W/ POWER STRIP	----------	MANUFACTURER: LIGHTOLIER MODEL #: 6003WH/6099WH/CLD300WH	WHITE		300	
Y	7" APERTURE DOWNLIGHT w/ CROSS BLADE	----------	MANUFACTURER: LIGHTOLIER MODEL #: 8065CCDW/7126HU/1951/1956	WHITE	MANUF: SYLVANIA MODEL #: SYLV CF26DT/IN/835 (1 REQ'D PER FIXTURE)	120	26
EM1	UNIVERSAL DUAL HD EMERGENCY LIGHT	----------	MANUFACTURER: LIGHTOLIER MODEL #: E611W	WHITE	INTEGRATED LAMPS	120/277	11
EM3	REMOTE EMERG HEAD w/ MOUNTING PLATE	----------	MANUFACTURER: LIGHTOLIER MODEL #: PH812W/MG2WP	WHITE	INTEGRATED LAMPS	120/277	12
EM4	UNIT w/ EMERG LIGHT BATTERY	----------	MANUFACTURER: LIGHTOLIER MODEL #: E4250LW	WHITE		120/277	
EX1	UNIVERSAL LED EXIT SIGN RED ON WHITE	----------	MANUFACTURER: LIGHTOLIER MODEL #: LUNURW	WHITE	INTEGRATED LAMPS	120/277	
EX2	EDGE LIT CEILING MTD EXIT SIGN- DOUBLE FACE/ARROW	----------	MANUFACTURER: LIGHTOLIER MODEL #: LUNWR	WHITE	INTEGRATED LAMPS	120/277	
EX3	EDGE LIT WALL MTD EXIT SIGN	----------	MANUFACTURER: LIGHTOLIER MODEL #: LUNWR	WHITE	INTEGRATED LAMPS	NOT USED	
EX4	UNIVER EXIT/DUAL HD EMERG LIGHT COMBO	----------	MANUFACTURER: LIGHTOLIER MODEL #: LLC2URW12R	WHITE	INTEGRATED LAMPS	120/277	

NOTE:
ALL FLUORESCENT LUMINAIRES SHALL BE PROVIDED WITH DISCONNECTING MEANS AS REQUIRED PER N.E.C. 410.73(G).

1 LIGHTING FIXTURE SCHEDULE
NOT TO SCALE



NOTES:
1. TENANT'S CONTRACTOR IS RESPONSIBLE FOR UNLOADING ALL OWNER SUPPLIED MATERIALS AT JOB SITE.
2. TENANT'S CONTRACTOR SHALL INVENTORY THOSE QUANTITIES AGAINST PURCHASE ORDER AND NOTIFY OWNERS CONSTRUCTION COORDINATOR OF ANY DISCREPANCIES.

18 RESPONSIBILITY
NOT TO SCALE

TOTAL ELECTRIC LOAD SUMMARY

DESCRIPTION	N.E.C. CONNECTED KW	N.E.C. DEMAND FACTOR	N.E.C. DEMAND KW
LIGHTING (W/O TRACK & SHOW WINDOW)	9.2	1.25	11.5
TRACK LIGHTING (W/O SHOW WINDOW) *	–	1.25	–
SIGN	1.2	1.25	1.5
SHOW WINDOW LIGHTING AND RECEPTACLES *	8.6	1.0	8.6
RECEPTACLES (W/O SHOW WINDOW)	7.9	1.0 <1.0KW 0.5 REMAINING KW	7.9
APPLIANCES	1.9	1.0	1.9
WATER HEATER	1.7	1.0	1.7
HVAC **	63.0	1.0	63.0
UNIT HEATER	–	1.0	–
MISCELLANEOUS	3.1	1.0	3.1
25% LARGEST MOTOR ***	0.6	1.0	0.6
TOTAL =	97.2		99.8

NOTES:
* TRACK LIGHTING LOAD CALCULATED AT 75W/FOOT PER N.E.C. 220-43 (B). SHOW WINDOW LOAD CALCULATED AT 200W/FOOT PER N.E.C. 220-43 (A).
** GREATER OF COOLING OR HEATING.
*** 125% OF THE LARGEST MOTOR OR COMPRESSOR IN SYSTEM APPLIED ONLY ON ONE UNIT.

N.E.C. DEMAND KVA x 1000 / SYSTEM VOLTAGE x $\sqrt{3}$ = MINIMUM FEEDER AMPERAGE

99.8 x 1000 / 480 $\sqrt{3}$ = 120.0 AMPS — USE EXISTING 200 AMP SERVICE

ELECTRIC LOAD SUMMARY FOR PANEL 'A'

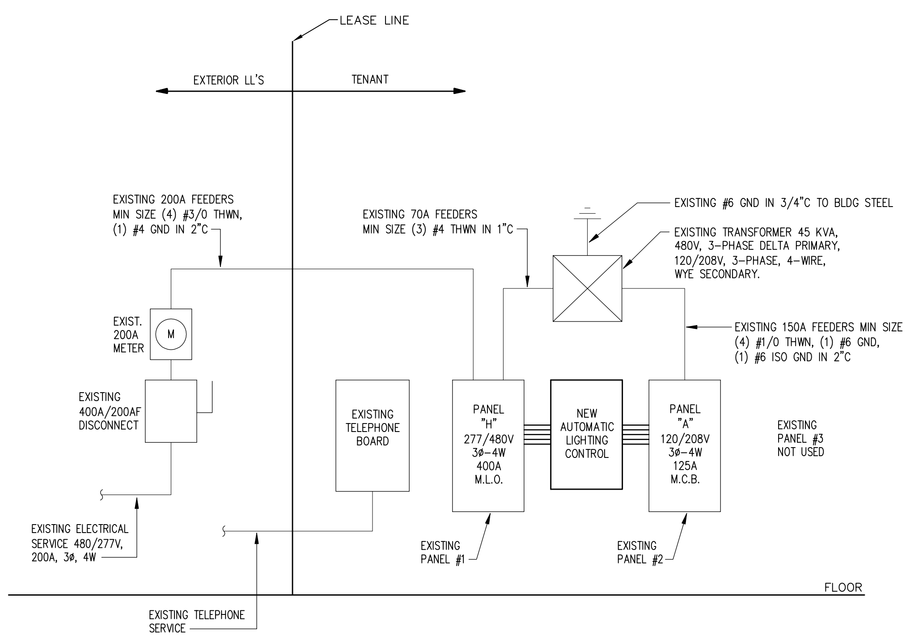
DESCRIPTION	N.E.C. CONNECTED KW	N.E.C. DEMAND FACTOR	N.E.C. DEMAND KW
LIGHTING (W/O TRACK & SHOW WINDOW)	3.4	1.25	4.3
TRACK LIGHTING (W/O SHOW WINDOW) *	–	1.25	–
SIGN	1.2	1.25	1.5
SHOW WINDOW LIGHTING AND RECEPTACLES *	8.6	1.0	8.6
RECEPTACLES (W/O SHOW WINDOW)	7.9	1.0 <1.0KW 0.5 REMAINING KW	7.9
APPLIANCES	1.9	1.0	1.9
WATER HEATER	1.7	1.0	1.7
HVAC **	–	1.0	–
UNIT HEATER	–	1.0	–
MISCELLANEOUS	3.1	1.0	3.1
25% LARGEST MOTOR ***	0.6	1.0	0.6
TOTAL =	28.4		29.6

NOTES:
* TRACK LIGHTING LOAD CALCULATED AT 75W/FOOT PER N.E.C. 220-43 (B). SHOW WINDOW LOAD CALCULATED AT 200W/FOOT PER N.E.C. 220-43 (A).
** GREATER OF COOLING OR HEATING.
*** 125% OF THE LARGEST MOTOR OR COMPRESSOR IN SYSTEM APPLIED ONLY ON ONE UNIT.

N.E.C. DEMAND KVA x 1000 / SYSTEM VOLTAGE x $\sqrt{3}$ = MINIMUM FEEDER AMPERAGE

29.6 x 1000 / 208 $\sqrt{3}$ = 82.2 AMPS — USE EXISTING 45 KVA TRANSFORMER

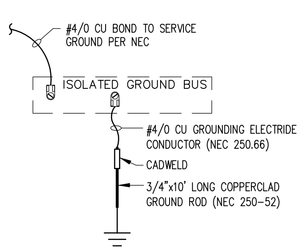
13 ELECTRIC LOAD SUMMARY
NOT TO SCALE



RISER GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXACT K.A.I.C. RATING OF LANDLORD'S DISTRIBUTION EQUIPMENT.
2. ELECTRICAL CONTRACTOR SHALL BALANCE ALL PANELS AND ELECTRICAL EQUIPMENT TO 7% (+) BETWEEN PHASES: A/B, B/C AND A/C AS INDICATED ON PANEL WIRING SCHEDULES. SUBMIT REPORTS TO MALL CONSTRUCTION MANAGER
3. PROPER CLEARANCE MUST BE MAINTAINED ABOUT ELECTRICAL EQUIPMENT PER N.E.C. FIELD VERIFY EXACT MOUNTING SPACE AVAILABLE IN ELECTRICAL ROOM/AREA PRIOR TO INSTALLATION OF ELECTRICAL EQUIPMENT.
4. ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS FOR A COMPLETE SYSTEM.
5. CONTRACTOR SHALL FURNISH AND INSTALL A TYPEWRITTEN DIRECTORY CARD OF CIRCUITS AND PLACE IN PANEL DOOR.
6. ELECTRICAL CONTRACTOR SHALL DIRECT ALL INQUIRIES TO THE C.S.I. PROJECT MANAGER.

ISOLATED GROUND ROD



3 POWER DISTRIBUTION RISER
NOT TO SCALE

EXISTING PANEL #1

PANELBOARD LOADING SCHEDULE				VOLTS: 277/480V			PANELBOARD: H			AIC RATING:			
SURFACE MOUNTING				PHASE: 3						OPTIONS: GROUND BUS			
NEMA TYPE 1 ENCLOSURE				WIRE: 4			MAINS AMPS: 400A						
CKT	LOAD									LOAD			CKT
No	DESCRIPTION	WIRE	VA	POLE	AMPS	A	B	C	AMPS	POLE	VA	WIRE	DESCRIPTION	No
	1	10	2600			3540			20	1	940	12	SALES RECESSED 2x2 LIGHTS	2
H	3 RTU-1	10	2600	3	30		3634		20	1	1034	12	SALES RECESSED 2x2 LIGHTS	4
	5	10	2600					3014	20	1	414	12	FLUORESCENT DOWNLIGHTS	6
	7	10	2600			11695					9095	4		8
H	9 RTU-2	10	2600	3	30		11826		70	3	9226	4	45 KVA TRANSFORMER	10
	11	10	2600					12084			9484	4		12
	13	10	3300			4286			20	1	986	12	EXIT/EMERGENCY LIGHTS	14 LO
H	15 RTU-3	10	3300	3	30		3300							16
	17	10	3300					3300	30	3			SPARE	18
	19	8	6000			6000								20
H	21 RTU-1 RE-HEAT	8	6000	3	45		15000				9000	8		22
	23	8	6000					15000	45	3	9000	8	RTU-3 RE-HEAT	24 H
	25	8	6000			15000					9000	8		26
H	27 RTU-2 RE-HEAT	8	6000	3	45		6663		20	1	663	12	WALLWASHERS	28 NB
	29	8	6000					6664	20	1	664	12	WALLWASHERS	30 NB
	31 SPACE					516			20	1	516	12	FITTING ROOM LIGHTS	32 NB
	33 SPACE												SPACE	34
	35 SPACE							618	20	1	618	12	STORAGE/COR./NOT OC. SP. LTS	36 NB
	37 SPACE												SPACE	38
	39 SPACE												SPACE	40
	41 SPACE												SPACE	42

LO – CIRCUITS ON HANDLE LOCK-OFF DEVICE. H – HEATING, A/C, REF. RATED BREAKER (HACR). IG – CIRCUITS MUST BE WIRED TO THE ISOLATED GROUND BAR. NO EXCEPTIONS. NB – NEW CIRCUIT BREAKER INSTALLED INSTEAD EXISTING SPACE

TOTAL CONNECTED LOAD	122140	41037	40423	40680
TOTAL AMPERTS	146.9	148.1	145.9	146.9

EXISTING PANEL #2

PANELBOARD LOADING SCHEDULE				VOLTS: 208/120V			PANELBOARD: A			AIC RATING:			
SURFACE MOUNTING				PHASE: 3						OPTIONS: GROUND BUS			
NEMA TYPE 1 ENCLOSURE				WIRE: 4			MAINS AMPS: 150/3 MCB			NOTE: ISOLATED GROUND BUS			
CKT	LOAD									LOAD			CKT
No	DESCRIPTION	WIRE	VA	POLE	AMPS	A	B	C	AMPS	POLE	VA	WIRE	DESCRIPTION	No
	1 STOREFRONT RECEPTACLES	12	1210	1	20	2485			20	1	1275	12	DOWNLIGHTS	2
	3 STOREFRONT RECEPTACLES	12	1210	1	20		2560		20	1	1350	12	DOWNLIGHTS	4
	5 STOREFRONT RECEPTACLES	12	1210	1	20			1934	20	1	724	12	DOWNLIGHTS/PENDANT/CHANDELIER	6
	7 STOREFRONT RECEPTACLES	12	1450	1	20	1450			20	1			SPARE	8
	9 STOREFRONT RECEPTACLES	12	1450	1	20		2650		20	1	1200	12	EXTERIOR SIGN	10
IG,LO	11 SENSORSENCE	12	200	1	20			1400	20	1	1200	12	STOREFRONT LIGHTS	12
	13 SALES RECEPTACLES	12	720	1	20	1620			20	1	900	12	STOREFRONT LIGHTS	14
	15 SALES RECEPTACLES	12	720	1	20		876		20	1	156	12	RESTROMS EXH. FAN/LTS	16
IG	17 FRONT CASH WRAP/BACK WRAP	12	900	1	20			1100	20	1	200	12	LIGHTING CONTROL	18 LO
IG	19 FRONT CASHWRAP	12	720	1	20	720			20	1			SPARE	20
IG	21 FRONT CASH WRAP/BACK WRAP	12	540	1	20		540		20	1			SPARE	22
IG	23 TELEPHONE BOARD	12	360	1	20			360	20	1			SPARE	24
	25 STORAGE RECEPTS/BUZZER SYST.	12	1000	1	20	1700			20	1	700	12	REFRIGERATOR	26
IG	27 OFFICE QUAD RECEPTACLE	12	360	1	20		1560		20	1	1200	12	MICROWAVE	28
IG	29 PHONES	12	540	1	20			2190	20	1	1650	12	WATER HEATER	30
IG	31 WALKIE TALKIES	12	360	1	20	1120			20	1	760	12	EWC/RESTROOM RECEPTS	32
	33 SOUND SYSTEM	12	500	1	20		1040		20	1	540	12	RTU RECEPTACLES	34
	35 DUCT SMOKE DETECT.	12	300	1	20			2500	20	1	2200	12	LIHGT LIFT	36
	37 SPARE			1	20				20	1			SPARE	38
	39 SPARE			1	20				20	1			SPARE	40
	41 SPARE			1	20				20	1			SPARE	42

LO – CIRCUITS ON HANDLE LOCK-OFF DEVICE. H – HEATING, A/C, REF. RATED BREAKER (HACR). IG – CIRCUITS MUST BE WIRED TO THE ISOLATED GROUND BAR. NO EXCEPTIONS. NB – NEW CIRCUIT BREAKER INSTALLED INSTEAD EXISTING SPACE

TOTAL CONNECTED LOAD	27805	9095	9226	9484
TOTAL AMPERTS	77.2	75.8	76.9	79.0

NOTE:
CIRCUITS AND LOAD SHOWN WITH LIGHT LINES ARE EXISTING.
CIRCUITS AND LOAD SHOWN WITH HEAVY LINES ARE NEW.

E L E C T R I C A L V E R I F I C A T I O N N O T E :
PRIOR TO INSTALLATION OF ROUGH ELECTRICAL WIRING, CONTRACTOR SHALL CHECK NAMEPLATE DATA OF ALL H.V.A.C. EQUIPMENT, WATER HEATERS, AND OTHER EQUIPMENT, IN ORDER TO OBTAIN CORRECT WIRE SIZES, VOLTAGES, AND OVER-CURRENT PROTECTION. ADEQUATE SERVICE CAPACITY MUST BE PROVIDED. SUBJECT TO ELECTRICAL INSPECTION.

5 ELECTRIC PANELBOARD SCHEDULES
NOT TO SCALE

LANE BRYANT
CHARMING SHOPPES, INC
BENSALEM, PA 19020

CASCO
10877 WATSON ROAD
ST. LOUIS, MO 63127
PROJECT MANAGERS
PH: 314-821-1100
FAX: 314-821-4162
EMAIL: charming@cascocorp.com

Professional of record practicing as an individual.
PAUL J. HUBER
License Number: 14103
PROFESSIONAL OF RECORD
Expiration Date: 3/31/09

NO.	DATE	REVISION DESCRIPTION	BY
	09/05/08	ISSUED FOR PERMIT AND BID	

NOTE: CONTRACTOR AND SUBCONTRACTORS TO CHECK AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN FIELD BEFORE WORK IS STARTED.

STORE NO.	PROJECT NUMBER	DATE	SCALE	DRAWN BY	CHECKED BY
4732	308258	09/05/08	AS NOTED	VTM	VTM

PROJECT TITLE
LANE BRYANT
61123 AIRPORT DRIVE SPAVE 8 SLIDELL, LA
STIRLING SLIDELL

SHEET TITLE
ELECTRICAL SCHEDULES

PROJECT DESIGN:
P-2009

SHEET NO.
E4.10