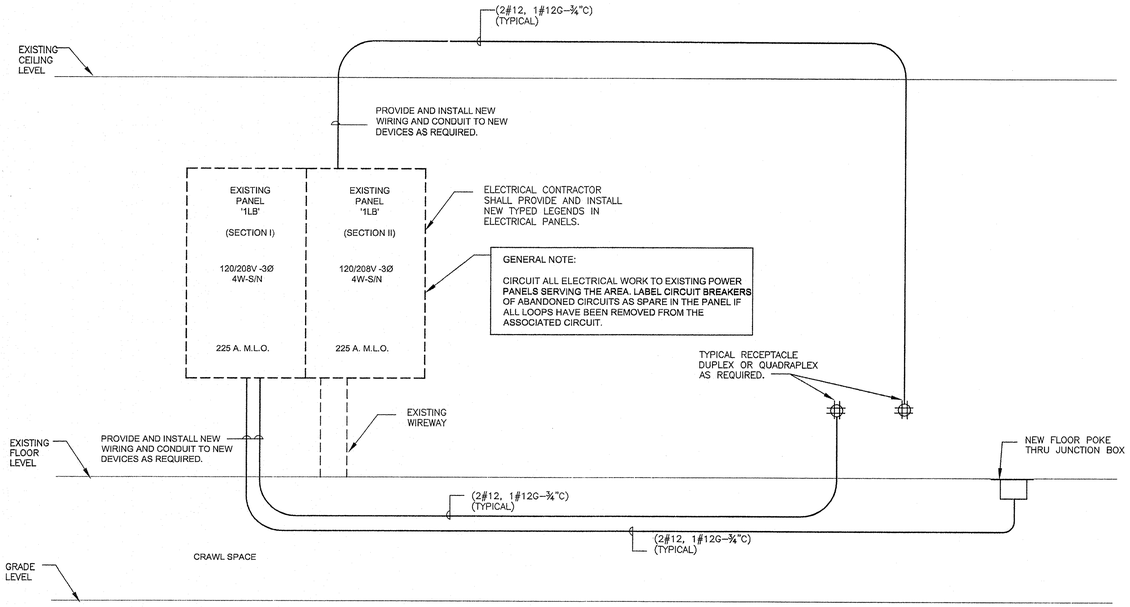

01 PARTIAL POWER RISER DIAGRAM

NOT TO SCALE

PANELBOARD: EXISTING "1LB" (SECTION I)

L-L VOLTAGE: 208 VOLTS	L-N VOLTAGE: 120 VOLTS	CONNECTION TYPE: 3 PHASE, 4 WIRE PLUS GND	MAINS: 225 A.M.L.O.	MOUNTING: SURFACE	AIC RATING: 10,000 AMPS

CKT	LOAD DESCRIPTION	WIRE & CONDUIT	BKR	LTG	RCPT	M&A	
1	EXISTING TO REMAIN		20/1				A
3	EXISTING TO REMAIN		20/1				B
5	EXISTING TO REMAIN		20/1				C
7	EXISTING TO REMAIN		20/1				A
9	EXISTING TO REMAIN		20/1				B
11	EXISTING TO REMAIN		20/1				C
13	EXISTING TO REMAIN		20/1				A
15	EXISTING TO REMAIN		20/1				B
17	EXISTING TO REMAIN		20/1				C
19	EXISTING TO REMAIN		20/1				A
21	EXISTING TO REMAIN		20/1				B
23	RECEPTACLES ADA CASHIER	2#12,1#12G, 3/4"C.	20/1		400		C
25	EXISTING TO REMAIN		20/1				A
27	EXISTING TO REMAIN		20/1				B
29	RECEPTACLES ADA CASHIER	2#12,1#12G, 3/4"C.	20/1		400		C
31	EXISTING TO REMAIN		20/1				A
33	EXISTING TO REMAIN		20/1				B
35	EXISTING TO REMAIN		20/1				C
37	RECEPTACLES CASHIER #1	2#12,1#12G, 3/4"C.	20/1		400		A
39	TELEVISION RECEPTACLE	2#12,1#12G, 3/4"C.	20/1		400		B
41	RECEPTACLES CASHIER #1	2#12,1#12G, 3/4"C.	20/1		400		C
2	EXISTING TO REMAIN		20/1				A
4	EXISTING TO REMAIN		20/1				B
6	EXISTING TO REMAIN		20/1				C
8	EXISTING TO REMAIN		20/1				A
10	EXISTING TO REMAIN		20/1				B
12	EXISTING TO REMAIN		20/1				C
14	EXISTING TO REMAIN		20/1				A
16	EXISTING TO REMAIN		20/1				B
18	RECEPTACLES CASHIER #2	2#12,1#12G, 3/4"C.	20/1		400		C
20	EXISTING TO REMAIN		20/1				A
22	EXISTING TO REMAIN		20/1				B
24	EXISTING TO REMAIN		20/1				C
26	EXISTING TO REMAIN		20/1				A
28	EXISTING TO REMAIN		20/1				B
30	EXISTING TO REMAIN		20/1				C
32	EXISTING TO REMAIN		20/1				A
34	RECEPTACLES CASHIER #2	2#12,1#12G, 3/4"C.	20/1		400		B
36	RECEPTACLES AT COUNTER	2#12,1#12G, 3/4"C.	20/1		400		C
38	RECEPTACLES AT COUNTER	2#12,1#12G, 3/4"C.	20/1		400		A
40	RECEPTACLE PRINTER	2#12,1#12G, 3/4"C.	20/1		1200		B
42	EXISTING TO REMAIN		20/1				C
		SUB-FEED PANELBOARD					A
		CONNECTED LOAD					B
		SUMMARY			1200		C
		TOTALS PER TYPE (kVA):			6.00		
		LOADS PER PHASE:	0.8 kVA		6.7 Amps		A
			2.0 kVA		16.7 Amps		B
			3.2 kVA		26.7 Amps		C
		PANEL TOTALS	6.0 kVA		16.7 AMPS		

GENERAL NOTES:
1. ALL WIRE & CONDUIT SIZES SHALL BE 2#12, 1#12G, 3/4"C. UNLESS OTHERWISE NOTED.

PANELBOARD: EXISTING "1LB" (SECTION II)

L-L VOLTAGE: 208 VOLTS	L-N VOLTAGE: 120 VOLTS	CONNECTION TYPE: 3 PHASE, 4 WIRE PLUS GND	MAINS: 225 A.M.L.O.	MOUNTING: SURFACE	AIC RATING: 10,000 AMPS	GEN. NOTES

CKT	LOAD DESCRIPTION	WIRE & CONDUIT	BKR	LTG	RCPT	M&A	
43	EXISTING TO REMIAN		20/1				A
45	EXISTING TO REMIAN		20/1				B
47	EXISTING TO REMIAN		20/1				C
49	EXISTING TO REMIAN		20/1				A
51	EXISTING TO REMIAN		20/1				B
53	EXISTING TO REMIAN		20/1				C
55	EXISTING TO REMIAN		20/1				A
57	EXISTING TO REMIAN		20/1				B
59	EXISTING TO REMIAN		20/1				C
61	EXISTING TO REMIAN		20/1				A
63	EXISTING TO REMIAN		20/1				B
65	EXISTING TO REMIAN		20/1				C
67	EXISTING TO REMIAN		20/1				A
69	EXISTING TO REMIAN		20/1				B
71	EXISTING TO REMIAN		20/1				C
73	EXISTING TO REMIAN		20/1				A
75	EXISTING TO REMIAN		20/1				B
77	EXISTING TO REMIAN		20/1				C
79	EXISTING TO REMIAN		20/1				A
81	EXISTING TO REMIAN		20/1				B
83	EXISTING TO REMIAN		20/1				C
44	EXISTING TO REMIAN		20/1				A
46	EXISTING TO REMIAN		20/1				B
48	EXISTING TO REMIAN		20/1				C
50	EXISTING TO REMIAN		20/1				A
52	EXISTING TO REMIAN		20/1				B
54	EXISTING TO REMIAN		20/1				C
56	EXISTING TO REMIAN		20/1				A
58	EXISTING TO REMIAN		20/1				B
60	EXISTING TO REMIAN		20/1				C
62	EXISTING TO REMIAN		20/1				A
64	EXISTING TO REMIAN		20/1				B
66	EXISTING TO REMIAN		20/1				C
68	EXISTING TO REMIAN		20/1				A
70	EXISTING TO REMIAN		20/1				B
72	EXISTING TO REMIAN		20/1				C
74	EXISTING TO REMIAN		20/1				A
76	EXISTING TO REMIAN		20/1				B
78	EXISTING TO REMIAN		20/1				C
80	EXISTING TO REMIAN		20/1				A
82	EXISTING TO REMIAN		20/1				B
84	RECEPTACLE PRINTER	2#12, 1#12G, 3/4"C.	20/1		1200		C
		SUB-FEED PANELBOARD					A
		CONNECTED LOAD					B
		SUMMARY					C
		TOTALS PER TYPE (kVA):			1.20		
		LOADS PER PHASE:	kVA		Amps		A
			kVA		Amps		B
			1.2 kVA		10.0 Amps		C
		PANEL TOTALS	1.2 kVA		3.3 AMPS		

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	RACEWAY IN WALL ABOVE CEILING
A–4	HOME RUN, LETTER DENOTES PANEL, NUMBER DENOTES CIRCUIT
	RACEWAY IN OR BELOW FLOOR
FA	FIRE ALARM SYSTEM RACEWAY IN WALL ABOVE CEILING
$	SINGLE POLE WALL SWITCH
$3	THREE–WAY WALL SWITCH
$4	FOUR–WAY WALL SWITCH
$D	WALL DIMMER SWITCH
$M	MOTOR RATED SWITCH
SK	KEYED WALL TOGGLE SWITCH
$P	WALL TOGGLE SWITCH WITH PILOT LIGHT
WP	WEATHER PROOF DEVICE
	125V GROUNDING DUPLEX RECEPTACLE
	125V SIMPLEX RECEPTACLE
	250V, 3 WIRE RECEPTACLE
	250V, 50 AMP , 3 WIRE RECEPTACLE
2	RECEPTACLE MOUNTED ABOVE COUNTER
4	QUADRAPLEX RECEPTACLE
G	GROUND FAULT INTERRUPT DEVICE
	ISOLATED GROUND DUPLEX RECEPTACLE
X1	WALL MOUNTED EXIT SIGN – TYPE NOTED
X1	CEILING MOUNTED SINGLE FACE EXIT SIGN–TYPE NOTED
X1	CEILING MOUNTED DOUBLE FACE EXIT SIGN–TYPE NOTED
	WALL MOUNTED EMERGENCY FIXTURE–TYPE NOTED
MC	CEILING MOUNTED MOTION DETECTOR
	MOTOR LOCATION
C	DIGITAL CLOCK
	BRANCH PANEL
	DISTRIBUTION PANEL
2	TELEPHONE OUTLET WITH 2 PORTS
4	WALL DATA OUTLET WITH 4 PORTS
	VOICE/DATA OUTLET
D	WALL CLOCK OUTLET
A	CEILING LIGHTING OUTLET–LETTER DENOTES FIXTURE TYPE
A	WALL LIGHTING OUTLET–LETTER DENOTES FIXTURE TYPE
S	FIRE ALARM STROBE LIGHT
PS	125V. PLUG STRIP
	POWER/DATA SURFACE RACEWAY
	DISCONNECT SWITCH
	WALL OUTLET W/FLUSH COVERPLATE
	TELEVISION OUTLET
	CEILING SPEAKER
F	VOICE/DATA OUTLET IN FLOOR
F 4	QUADRAPLEX FLOOR OUTLET

NOTE: NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED

02 WIRING DEVICE MOUNTING HEIGHTS - TYPICAL

NOT TO SCALE

03 FLOOR BOX POWER TO FURNITURE

NOT TO SCALE

04 TYPICAL VOICE/DATA WALL OUTLET

NOT TO SCALE

05 TYPICAL VOICE/DATA WALL OUTLET

NOT TO SCALE

06 DATA POKE-THRU - OUTLET BOX

NOT TO SCALE

DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
CONSTRUCTION MANAGEMENT DIV.
ARLINGTON, TEXAS

ARLINGTON

CASHIER COUNTER UPGRADE
FOR WATER UTILITIES DEPARTMENT
101 WEST ABRAM STREET
ARLINGTON, TEXAS 76010

REVISIONS:

1 6-6-10

FILE:

PROJ: WUD-0901

DATE: 05-24-2010

DWG BY: SH

CHK BY: PAE

STATE OF TEXAS
PAUL A. EASUM
62815
REGISTERED
PROFESSIONAL ENGINEER
6/6/2010

EASUM ENGINEERING F-7494

2740 State Hwy. 276, Ste. 100-03
Rockwall, Texas 75032
(972) 722-8222 FAX (972) 722-8265

SHEET OF

E2.00