

ELECTRICAL SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION
	2X4 FLUORESCENT LIGHTING FIXTURE - TYPE NOTED
	FLUORESCENT LIGHTING FIXTURE WITH EMERGENCY BATTERY
	1X1 SQUARE H.I.D. DOWNLIGHT FIXTURE - TYPE NOTED
	FLUORESCENT LIGHTING FIXTURE - TYPE NOTED
	WALL MOUNTED EXTERIOR FIXTURE - TYPE NOTED
	EXIT LIGHT - TYPE NOTED
	FLUORESCENT OR INCANDESCENT DOWNLIGHT - TYPE NOTED
	POLE MOUNTED LUMINAIRE - TYPE NOTED
	SPST, 3-WAY, 4-WAY WALL SWITCH
	WALL BOX DIMMER
	DUPLEX RECEPTACLE - 20A, 12V, 2P, 3W, GROUNDING
	DUPLEX RECEPTACLE WITH GFI
	ISOLATED GROUND DUPLEX RECEPTACLE
	WEATHER PROOF DUPLEX RECEPTACLE
	QUADRIPLEX RECEPTACLE LOCATION
	COMBINATION DATA/TELEPHONE OUTLET LOCATION
	MOTOR LOCATION
	DISCONNECT SWITCH
	ISOLATED GROUND QUADRIPLEX RECEPTACLE
	MULTISERVICE FLOORBOX
	CIRCUIT RUN TO PANELBOARD - NUMBER OF WIRES SHOWN
	CIRCUIT INDICATION - PHASE, NEUTRAL, SWITCH LEG, GROUND
	SURFACE MOUNTED ELECTRICAL PANELBOARD
	JUNCTION BOX

WIRE AND CONDUIT SIZING CHART																		
BREAKER	15	20	25	30	35	40	45	50	60	70	80	90	100	125	150	175	200	225
PHASE	#12	#12	#10	#10	#8	#8	#8	#8	#6	#4	#4	#2	#2	#1	#1/0	#2/0	#3/0	#4/0
NEUTRAL	#12	#12	#10	#10	#8	#8	#8	#8	#6	#4	#4	#2	#2	#1	#1/0	#2/0	#3/0	#4/0
GROUND	#12	#12	#10	#10	#10	#10	#10	#10	#8	#8	#8	#6	#6	#4	#4	#2	#2	#2
CONDUIT	1/2"	1/2"	1/2"	1/2"	1"	1"	1"	1"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	2"	2"	2"	2"	2-1/2"	

NOTE: UNLESS OTHERWISE INDICATED ON THE DRAWINGS, ALL CONDUCTORS AND CONDUIT SHALL BE SIZED FROM THIS CHART

LIGHTING FIXTURE SCHEDULE						
TYPE	VOLT.	MOUNTING	MANUFACTURER	CATALOG NUMBER	LAMPS	DESCRIPTION/REMARKS
A	120	RECESSED	H.E. WILLIAMS	USG-A24-332OC-39M-EB81-120	(3) F32T8/SP35	2'X4' 27 CELL RECESSED PARABOLIC FLUORESCENT
A1	120	RECESSED	H.E. WILLIAMS	50G-S24-332OC-RWKA.125-EB81-120-B50ST	(3) F32T8/SP35	PROVIDE WITH BODINE B50ST EMERGENCY BALLAST
A2	120	RECESSED	H.E. WILLIAMS	50G-S24-332OC-RWKA.125-EB81-120	(3) F32T8/SP35	2'X4' STATIC RECESSD FLUORESCENT
A3	120	RECESSED	H.E. WILLIAMS	USG-A24-332OC-39M-EB81-120-B50ST	(3) F32T8/SP35	PROVIDE WITH BODINE B50ST EMERGENCY BALLAST
A4	120	RECESSED	H.E. WILLIAMS	50F-S24-232OC-RWKA.125-EB81-120	(2) F32T8/SP35	2'X4' STATIC RECESSED FLUORESCENT WITH FLANGE KIT
A5	120	RECESSED	H.E. WILLIAMS	78-4-232OC-WG-EB81-120-B50ST	(2) F32T8/SP35	4' STRIP, PROVIDE WITH BODINE B50ST EMERGENCY BALLAST
B	120	RECESSED	EDISON-PRICE	MP38/6AA-30-COLWH	(1) GE 150PAR38/3SP	6" APERTURE, ADJUSTABLE ACCENT, CLEAR REFLECTOR, PROVIDE WITH SLOPE ADAPTER
C	120	PENDANT	OFCI	OFCI	OFCI	OFCI=OWNER FURNISHED CONTRACTOR INSTALLED
D	120	RECESSED	KIRLIN	RS51060-DH	(1) 100W MH	-20 DEGREE F BALLAST, SQUARE DOWNLIGHT WITH HPF BALLAST AND GLASS LENSE
E	120	RECESSED	EDISON-PRICE	12RTL54-2	(1) GE 150PAR38/3SP	6" APERTURE, ADJUSTABLE ACCENT, CLEAR REFLECTOR
EM	120	WALL FLUSH	EMERGITLITE	FRLEDP-XN-1R	INCLUDED	RETRACTABLE EMERGENCY LITE RECESS MOUNTED ABOVE EXIT LIGHT
F	120	RECESSED	CAPRI	MH72-V1F-T042	(1) 100W MH	-20 DEGREE F BALLAST, 6" APERTURE H.I.D. DOWNLIGHT
G	120	RECESSED	EDISON-PRICE	DL20 COLWH	GE 50PAR20/NFL25"	3-3/8" APERTURE DOWNLIGHT WITH CLEAR REFLECTOR
H	120/12	RECESSED	EDISON-PRICE	ANGLUX MR COLWH	(1) GE Q50MR16/C/NFL25" EXZ	4" APERTURE, LOW VOLTAGE, ADJUSTABLE
J	120/12	RECESSED	EDISON-PRICE	DLMR/4 COLWH	(1) GE Q50MR16/C/NFL25" EXZ	4" APERTURE, LOW VOLTAGE
K	120	WALL	DAY-BRITE	WLA-175-MH-120	(1)100W MH	H.I.D. WALL PACK, VERIFY MOUNTING HEIGHT WITH ARCHITECT
L	120	GROUND	KIM	LTV1D-SP-100MH-120	(1) 100W MH	GROUND MOUNTED WELL LIGHT, MOUNT IN CONCRETE
M	120	SURFACE	OFCI	OFCI	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED LANE LIGHT, VERIFY INSTALLATION WITH OWNER
N	208	WALL	DAY-BRITE	CB217B-120	(2) F17T8/SP35	MOUNT OVER MIRROR
P	208	POLE	GARDCO	BE-13-175MH-208-BRA	(1) 175W MH	POLE SHALL BE GARDCO CA4-15-D1-BRA
P1	208	POLE	GARDCO	BE-23-175MH-208-BRA	(2) 175W MH	POLE SHALL BE GARDCO CA4-15-D2-BRA
X	120	WALL FLUSH	EMERGITLITE	FRLEDP-XN-1R	INCLUDED	SELF-POWERED LED EXIT WITH RED LETTERS. RECESS MOUNTING AS REQUIRED

PANELBOARD 'DP'										
CIRCUIT BREAKER TYPE		SURFACE MOUNTED			22,000			SYM. A.I.C. MIN.		
208Y/120		400 AMP. MAIN BREAKER W/			400 AMP. TRIP			400 AMP. MAIN LUGS		
208Y/120		3 PHASE			4 WIRE			400 AMP. MAIN LUGS		
CKT. NO.	TRIP AMPS	NO. POLE	LOAD SERVED	LOAD - V.A.			CKT. NO.	TRIP AMPS	NO. POLE	LOAD SERVED
1				A Ø	B Ø	C Ø	2			
3	150	3	PANEL 'A'	12000	11285	3060	4	40	3	CU#1-00
5				3060	11400	3060	6			
7				1464	3060		8			
9	25	3	CU#2-00	1464	3060		10	40	3	CU#3-00
11				1464	3060		12			
13				3060	1656		14	25	1	FC#1-00
15	40	3	CU#4-00	3060	1656		16	25	1	FC#2-00
17				3060	1656		18	25	1	FC#3-00
19	20	1	DRIVE-UP CUSTOMER UNIT	1200	1656		20	25	1	FC#4-00
21	20	1	DRIVE-UP TELLAR UNIT	1200	2880		22	30	1	DRIVE-UP BLOWER MOTORS
23	20	1	DEALERS DRAWER	1000	800		24	20	1	VAULT VENTILATORS
25	20	1	SPARE				26	20	1	SPARE
27	20	2	HOT WATER HEATER	1000			28	20	1	SPARE
29							30			
31	20	1	ILLUMINATED SIGNS	600			32	60	3	SPARE
33	20	1	ILLUMINATED SIGNS	600			34			
35	20	2	UNIT HEATER	1500	1230		36	20	2	POLE LIGHTING
37				1230			38			
39	20	1	SPARE				40	20	1	SPARE
41	20	1	SPARE				42	20	1	SPARE
CONNECTED LOADS				29288	29875	28930	TOTAL CONNECTED LOAD: 88091 VA			

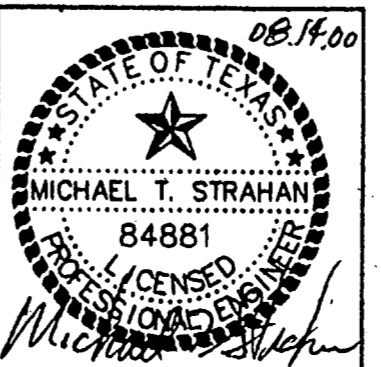
PANELBOARD 'A'										
CIRCUIT BREAKER TYPE		SURFACE MOUNTED			10,000			SYM. A.I.C. MIN.		W/ ISOL GR. BAR
208Y/120		N/A AMP. MAIN BREAKER W/			N/A AMP. TRIP			225 AMP. MAIN LUGS		
208Y/120		3 PHASE			5 WIRE			225 AMP. MAIN LUGS		
CKT. NO.	TRIP AMPS	NO. POLE	LOAD SERVED	LOAD - V.A.			CKT. NO.	TRIP AMPS	NO. POLE	LOAD SERVED
1	20	1	LIGHTS	A Ø	B Ø	C Ø	2	20	1	LIGHTS
3	20	1	LIGHTS	1520	1120	1100	4	20	1	LIGHTS
5	20	1	LIGHTS	1680	1100	1500	6	20	1	LIGHTS
7	20	1	LIGHTS	1000	1600		8	20	1	EXT. LIGHTS
9	20	1	RECEPTACLES	800	800		10	20	1	RECEPTACLES
11	20	1	RECEPTACLES	1200	800		12	20	1	RECEPTACLES
13	20	1	RECEPTACLES	1000	1200		14	20	1	RECEPTACLES
15	20	1	RECEPTACLES	800	800		16	20	1	RECEPTACLES
17	20	1	MICROWAVE	800	1500		18	20	1	COFFEE/RCPT
19	20	1	DISPOSER	500	1500		20	20	1	DISHWASHER
21	20	1	REFRIGERATOR	500	1600		22	20	1	COPY MACHINE
23	20	1	CLEAN POWR RCPT ①	400	400		24	20	1	CLEAN POWR RCPT ①
25	20	1	CLEAN POWR RCPT ①	400	400		26	20	1	CLEAN POWR RCPT ①
27	20	1	TELEPHONE EQUIPMENT ①	800	400		28	20	1	CLEAN POWR RCPT ①
29	20	1	CLEAN POWR RCPT ①	800	800		30	20	1	CLEAN POWR RCPT ①
31	20	1	CLEAN POWR RCPT ①	400	800		32	20	1	RECEPTACLES
33	20	1	CLEAN POWR RCPT ①	800	800		34	20	1	CLEAN POWR RCPT ①
35	20	1	CLEAN POWR RCPT ①	400	1200		36	20	1	COFFEE MACHINE
37	20	1	SPARE	500			38	20	1	FIRE ALARM - ②
39	20	1	ATM ①	875	500		40	20	1	IRRIGATION CONTROLLER
41	20	1	SPARE				42	20	1	SPARE
CONNECTED LOADS				12000	11795	11400	TOTAL CONNECTED LOAD: 34695 VA			

① PROVIDE ADDITIONAL GREEN WITH YELLOW STRIPE #12 ISOLATED GROUND CONDUCTOR WITH THIS CIRCUIT.  
 ② VERIFY LOCATION OF REQUIRED POWER CIRCUIT WITH FIRE ALARM CONTRACTOR.

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LONE STAR BANK  
 Beltwood Parkway East  
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 Addison, TX  
 Project # 1804

847-2000 ISSUE FOR BIDS

E3.01