LIGHT FIXTURE SCHEDULE

MARK	DESCRIPTION	LENS / LAMPS	REMARKS
A	6" APERTURE ROUND VERTICAL RECESSED FLUORESCENT DOWNLIGHT WITH CLEAR SEMI-SPECULAR REFLECTOR AND ELECTRONIC BALLAST. 120 VOLT LITHONIA #LP6FN-32TRT-609AZ-MVOLT	(1)-32W CFL	TYPE 'AE' IS THE SAME AS TYPE 'A' EXCEPT WITH BATTERY PACK TO DRIVE ONE LAMP FOR 90 MIN. LITHONIA #EL OPTION
B	FLOOD LIGHT MOUNTED ABOVE CEILING ON A BOX SUSPENDED FROM STRUCTURE ABOVE. 4x4 DISTRIBUTION - 120 VOLT LITHONIA #TFM100M-RG-120-TFMTS	CLEAR GLASS (1)-100 W MH CLEAR	
C	6" DOWNLIGHT, SHALLOW HOUSING, HORZ LAMP WITH DAMP LOCATION LABEL - 120 VOLT - 8" MAX DEPTH LITHONIA #AF-132-6AR-MVOLT-DL	(1)-32W CFL	TYPE 'CE' IS THE SAME AS TYPE 'C' EXCEPT WITH BATTERY PACK TO DRIVE ONE LAMP FOR 90 MIN. LITHONIA #EL OPTION
D	WALL THROUGH PERIMETER WALL WASH LIGHTING SYSTEM OF CUSTOM LENGTHS. NATURAL ALZAK BAFFLE, ELECTRONIC BALLAST - 120 V. MARK ARCHITECTURAL LIGHTING PPL-XX-SL-0-2T8S-E8PR-120	NATURAL ALZAK REFLECTOR (2)-32W T8	TYPE 'D3' IS THE SAME AS TYPE 'D' EXCEPT 3 FT LONG.
E	RECESSED FLUORESCENT LENSED WALL WASHER, WIDE DISTRIBUTION, 120 VOLT GOTHAM #DLWF-132TRT-8-AR-120	RIBBED GLASS LENS (1)-32W CFL TRIPLE TUBE	
F	WALL MOUNTED SECURITY LIGHT W/ ELECTRONIC BALLAST. 120 VOLT ECLIPSE #KVA-WS-DTT-120-WH	CLEAR GLASS (2)-26W CFL	
G	SURFACE MOUNTED FLUORESCENT STRIP LIGHT W/ ELECTRONIC BALLAST. 120 VOLT LITHONIA # C132-120	(1)-32W T8	TYPE 'GE' IS THE SAME AS TYPE 'G' EXCEPT WITH BATTERY PACK TO DRIVE ONE LAMP FOR 90 MIN. LITHONIA #EL OPTION
X	EXIT LIGHT - UNIVERSAL MOUNT, UNIVERSAL ARROWS, STENCLED FACE, RED LETTERS, LED LAMPS, 120 VOLT, WHITE PLACTIC FINISH LITHONIA #LQM-S-W-1-R-120-ELN	RED LENS LED LAMP PANEL	

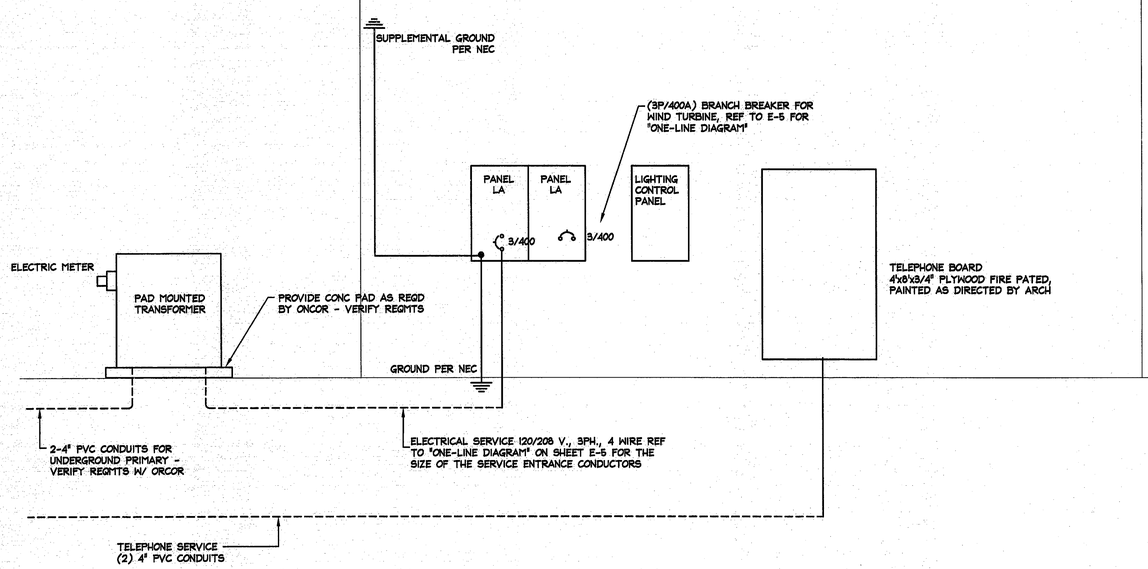
PANEL 'LA'

DESCRIPTION	POLES	TRIP	CIRCUIT	LIGHTING	POWER	POWER	LIGHTING	CIRCUIT	TRIP	POLES	DESCRIPTION
Lights	1P	20	1	600			670	2	20	1P	Lighted Wall
Lights	1P	20	3	800			500	4	20	1P	Spot Lights
Spot Lights	1P	20	5	160		540		6	20	1P	3 Recepts
Outdoor Lights	1P	20	7	750		540		8	20	1P	3 Recepts
Multi Media Rack	1P	20	9		1000	360		10	20	1P	2 Recepts
Multi Media Rack	1P	20	11		1000	1200		12	20	1P	6 Recepts
Obstruction Lights	1P	20	13	1500		500		14	20	1P	Tele Board
RTU Cab	1P	20	15		500	500		16	20	1P	Chlorine Recepts
Kitchen Recepts	1P	20	17		1200	500		18	20	1P	F.A.C.P.
Door Locks	1P	20	19		100		100	20	20	1P	Exit Lights
Refrigerator	1P	20	21		750	250		22	20	1P	Automated Ticker
Toilet Ex Fans	1P	20	23		300	360	390	24	20	1P	Mezzanine Lighting & Receptacles
Heat Pump - Indoor Unit Ckt 1	3P	50	25		4000	2700		26	40	3P	Heat Pump Indoor Unit Ckt 2
			27		4000	2700		28			
			29		4000	2700		30			
Heat Pump - Outdoor Unit	3P	40	31		2500	1000		32	20	1P	HAND DRYER
			33		2500	1000		34	20	1P	HAND DRYER
			35		2500	1500		36	25	2P	Heat Pump Indoor HPU-2
Water Heater	2P	20	37		1000	1500		38			
			39		1000	1632		40			Heat Pump Outdoor HCU-2
	1P	20	41			1632		42	25		
Pedistal Ladder Lighting	1P	20	43	1000			650	44	20	2P	Bowl Lighting
Pedistal Emergency Ltg.	1P	20	45	200			650	46			
Demonstration Turbo	1P	20	47		800	450		48	20	1P	Valve Vault Fan
Pedistal Base Ltg.	1P	20	49	1000			1400	50	20	1P	Turbine Lighting
Valve Vault Ltg.	1P	20	51	240				52	20	1P	Spare
Valve Vault Recepts. (2)	1P	20	53		360	180		54	20	1P	Gazebo Receptacle. (1)
East Gate	1P	20	55		600	800		56	20	1P	Tank Mixer
South Gate	1P	20	57		600	300		58	20	1P	Irrigation Controller
	1P	20	59			180		60	20	1P	Receptacle On Bowl
	1P	20	61					62	20	1P	
	1P	20	63					64	20	1P	
	1P	20	65					66	20	1P	
	1P	20	67					68	20	1P	
	1P	20	69					70	20	1P	
	1P	20	71					72	20	1P	
	1P	20	73					74	20	1P	
	1P	20	75					76	20	1P	
	1P	20	77					78	20	1P	
	1P	20	79					80	400	3P	WIND TURBINE ELEC PANEL
	1P	20	81					82			
	1P	20	83					84			

GROUND BUSS

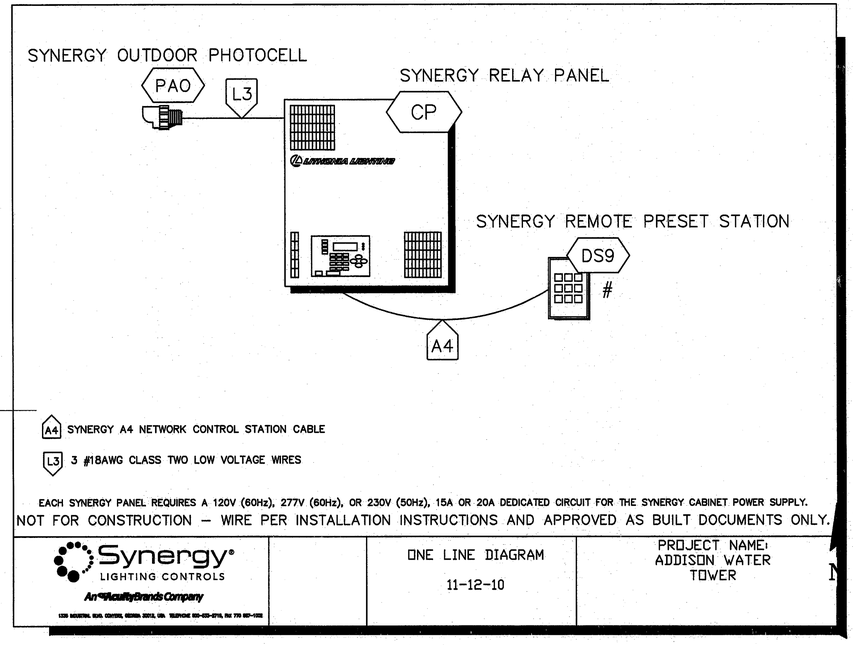
CONNECTED LIGHTING	10610	X 1.25	13263
CONNECTED POWER			51734
TOTAL DESIGN LOAD			64997
TOTAL CONNECTED AMPS			180.63

DESIGNATION	PANEL 'LA'
MOUNTING	SURFACE
VOLTAGE-PHASE-WIRE	120/208 3 PH 4 WIRE
MAINS TYPE	MCB
MAINS AMPS	400



01 ELECTRICAL RISER DIAGRAM

SCALE: NONE



02 LIGHTING CONTROL PACKAGE

SCALE: NONE

0 8' 16' 32'
1/16"=1'-0"

S. Toub & Associates Inc.
Consulting Mechanical / Electrical
Firm Registration No. - F-1584
13841 Omega Road, Dallas, Texas 75244
972-387-9400

The seal on this document was authorized by Richard L. Norris P.E. 10089 on the date shown below.

cn=Richard L. Norris P.E. o=S. Toub & Associates Inc. c=US email=norris@stoubassociates.com. 2011.05.11 14:25:56 -05'00'

STATE OF TEXAS Richard L. Norris 100089 LICENSED PROFESSIONAL ENGINEER

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2220 San Jacinto Blvd., Suite 330
Denton, Texas 76205-7589
Phone - (940) 387-4600
Fax - (940) 387-4677

TOWN OF ADDISON, TEXAS

SURVEYOR 1.5 MG EST

M.E.P.

ELECTRICAL RISER DIAGRAM

NO.	ISSUE	BY	DATE

F&N JOB NO. ADD08459
DATE 01/18/11
DESIGNED GCH
DRAWN TRB
REVISED
CHECKED RLN
FILE NAME 4049-E-3.dwg

VERIFY SCALE Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

SHEET EP-3