ELECTRICAL LOAD ANALYSIS
OVERLAND TRAILS - SHELL BUILDING

SERVICE VOLTAGE : 208/120V, 3 PHASE, 4 WIRE
OCCUPANCY : HOUSE PANEL

LOAD DESCRIPTION		DIV. %	DESIGN LOAD KVA	REMARKS
1 LIGHTS				
EMERGENCY LIGHTS & WALL PACKS			6.2	
(b) CONNECTED INTERIOR LIGHTING LOAD	0	125%	0	Code loads larger than connected
2 RECEPTACLES, 0	0		0	First 10KVA + 50% Remaining N.E.C. Article 220-13
3 COOLING LOADS	0		0	
4 HEATING LOADS	0		0	
5 MOTORS	0		0	
6 EQUIPMENT (WATER HEATER)	0		0	
7 220V OUTLETS	0		0	
8 KITCHEN	0	65%	0	N.E.C. Article 220-20
9 OUTSIDE LIGHTING (BLDG MT)	0	125%	0	
10 EXHAUST FANS + SUPPLY	0		0	
11 25% LARGEST MOTOR 25% x Amp x0.480x1.732	0		0	
SUBTOTAL	N/A KVA		6.2 KVA	21.5 AMP.
PROPOSED SERVICE CAPACITY AT 208/120V			144.1 KVA.	400 AMP.
Provide service feeder from Power Company :			1 SETS 4-500	
Ampacity of service feeder :			1-350	400 AMP
SPARE CAPACITY AVAILABLE			. KVA.	
PERCENT SPARE CAPACITY AVAILABLE			. %	

PANEL 'H' (NEW) CU BUS 22 KAIC					208/120V 3PH 4W 400A MCB 400A BUS		SURFACE MOUNT NEMA 1 NEUTRAL+GND BUS		
NO.	DESCRIPTION	LOAD	WIRE	OCP	NO.	DESCRIPTION	LOAD	WIRE	OCP
1	WALL PACKS	720	12	20	2				
3	TIME CLOCK	100	12	20	4				
5	EXIT, EMERG LIGHTS	300	12	20	6				
7					8				
9					10				
11					12				
13					14				
15					16				
17					18				
19					20				
21					22				
23					24				
25					26				
27					28				
29					30				
31					32				
33					34				
35					36				
37					38				
39					40				
41					42				
		34320					2280		

AMPACITY REQ'D=36600/208/1.732 X 1.25= 127.0 AMPS

LIGHT FIXTURE SCHEDULE						
TYPE	MANUFACTURER & MODEL		MOUNTING	LAMP	VOLTAGE	REMARKS
C	LSI	LSI-LTE, W11	SURFACE	10W LED	120	THERMOPLASTIC EMERGENCY UNIT, 10W LED W/BATT HEAD TO ILLUMINATE FOR 90 MINUTES, NICAD
EM	LSI	LTEM WH	SURFACE	INCL	120/277	SURFACE MOUNT 2 HEAD EMERG FIXT WHITE FINISH
X	LSI	EX R U WB WH	SURFACE	INCL	120/277	THERMOPLASTIC UNIVERSAL EXIT W/BATT. WHITE FINISH, RED LETTERS
A	LSI	PTWS-3-150-MH-F-XX-XX	SURFACE	INCL	120/277	THERMOPLASTIC UNIVERSAL EXIT W/BATT. WHITE FINISH, RED LETTERS

NOTES

1. VERIFY VOLTAGES BEFORE ORDERING ANY FIXTURES.
2. WHERE DESIGNATED, PROVIDE 90 MINUTE BATTERY BACKUP.
3. FIXTURES TO BE "OR EQUAL".

ELECTRICAL SCHEDULES

SCALE: NTS

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RECORD OF ISSUE

Issue:	Date:	Revision
		Client
		Architect
		Engineer
		General Contractor
		Sub- contractor

PREPARED FOR:

NEW PROJECT
SHELL BUILDING 1
OVERLAND TRAILS DRIVE
17211 IH 45
HOUSTON, TX 77090

Project Name:

	Name	Date
Drawn By:	SR	12/26/17
Check By PIC:	JET	12/26/17
Check by PM:	JET	12/26/17
Approved By:	JET	12/26/17

0 10 20
SCALE: 1"=10'

Date Created: 12/26/17

Project Number: -

Drawing Title: ELECTRICAL SCHEDULES

Sheet Number: E4.0

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