

### Wire Size Chart

Breaker Size	Wire Size	Breaker Size	Wire Size
15A	#14	80A	#3
20A	#12	90A	#2
30A	#10	100A	#1
40A	#8	115A	1/0
50A	#6	130A	2/0
60A	#4	150A	3/0

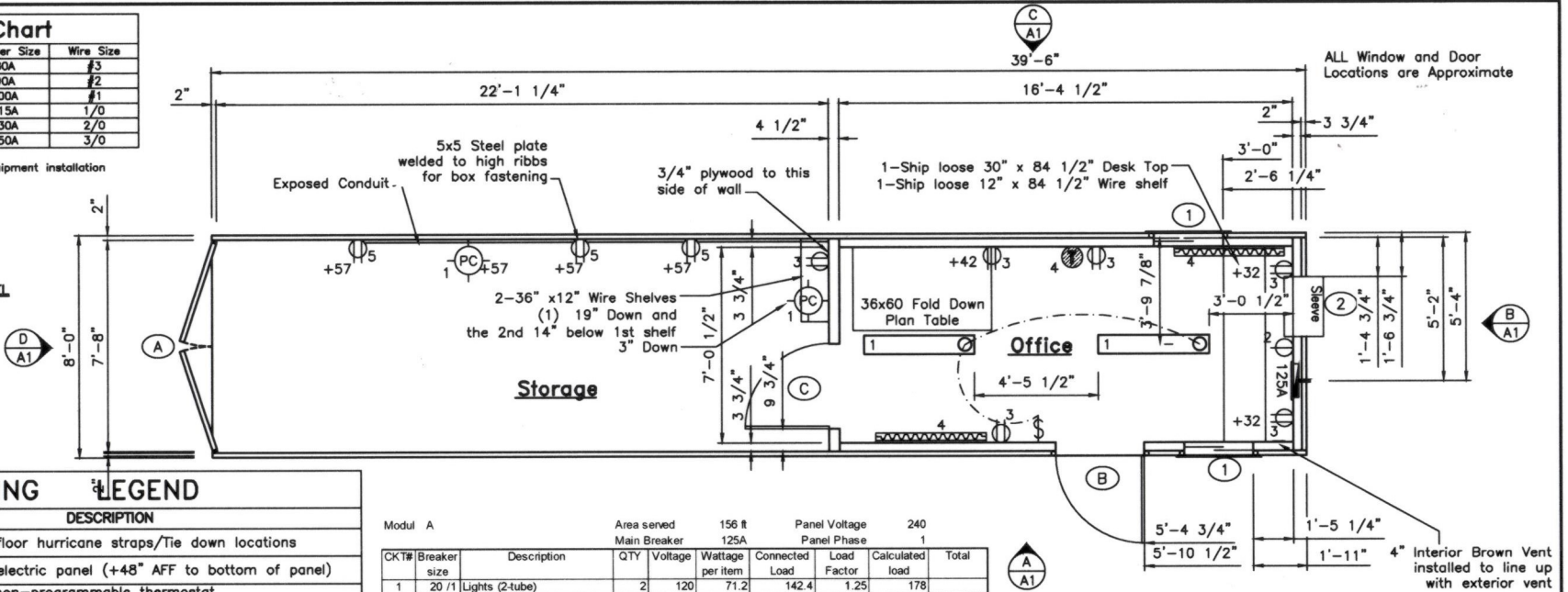
**Wire Size Notes:**  
 - Wiresizes to coordinate with equipment installation instructions and NEC



**120/240v 1PH 60HZ PANEL**  
**125A 2-pole breaker**  
 1 1/2" EMT conduit  
 (3) #1 THW feeders  
 #6 GRND

### Electrical Riser Diagram

NTS



### DRAWING LEGEND

SYMBOL	QTY.	DESCRIPTION
▶	0	Over the floor hurricane straps/Tie down locations
■	1	120/240 electric panel (+48" AFF to bottom of panel)
⊙	1	120 volt non-programmable thermostat (+48" AFF to top)
▨	2	120V 1KW Electric 48" Baseboard heater (+4" A.F.F.)
⊕	8	120V ivory duplex grounding type (+18" AFF unless noted)
⊖	1	120V ivory single A/C Recept (+54" AFF unless noted)
⚡	1	120V ivory toggle type (+42" AFF unless noted)
□	2	120V 4' (2) tube surface mount w/diffuser
⊕	2	120v light with pull chain and 10W LED Bulb (Wall Mount per print)

Modul A	Area served	156 ft	Panel Voltage	240					
CKT#	Breaker size	Description	QTY	Voltage	Wattage per item	Connected Load	Load Factor	Calculated load	Total
1	20 /1	Lights (2-tube)	2	120	71.2	142.4	1.25	178	
		Pull chain Lights	2	120	10	20	1.25	25	203
2	20 /1	A/C Recept	1	120	684	684	1.00	684	684
3	20 /1	Recepts	5	120	180	900	1.00	900	900
4	20 /1	1KW Baseboard Htr.	2	120	1000	2000	1.00	2000	2000
5	20 /1	Recepts	3	120	180	540	1.00	540	540
Total connected load									4327.00
Actual light load									203.00
TCL - ACL									4124.00
NEC LT load factor									3.5 682.50
Total Load									4806.50
Panel load amps									20.03

### DOOR, WINDOW AND OPENING SCHEDULE

SYMBOL	QTY.	DESCRIPTION	ROUGH OPENING
A	1	Door: Existing double cam-lock door Handle: Other: DO NOT Weld shut, DO NOT Remove hardware Frame: Closer:	x
B	1	Door: 36x80 Tell ins/steel w/ 10x10 sg light Handle: Tell keyed knob - KC2381 EMP32D /Tell Deabolt #082051 US32 Other: Drip cap, threshold, weather stripping. Frame: Tell Steel Closer: HD Stay Chain	36 1/4 x 80 1/4 2x2 Tube Steel Framing
C	1	Door: 36x80 prefinished hollow core wood door Handle: Fas-Tec passage knob Other: Butterfly hinge, floor mounted door stop Frame: Panel Closer:	36 3/4 x 81 3/4
1	2	Window: 30x27 Win-Tec G225 horizontal slider w/ single clear glass Frame: Aluminum (Bronze Finish) Acc. bug screen, drip cap, exterior security bars, Mini Blinds	30 1/4 x 27 1/4 up 41 1/4" A.F.F. 2x2 Tube Steel Framing
2	1	Window: Sleeve for Thru wall Air conditioner Frame: Acc. security cage	26 1/4 x 16 up 52 1/2" A.F.F. Tube Steel Framing



ID	Revision	Date
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