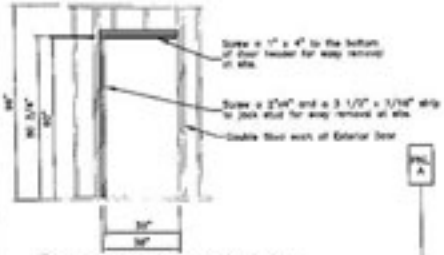
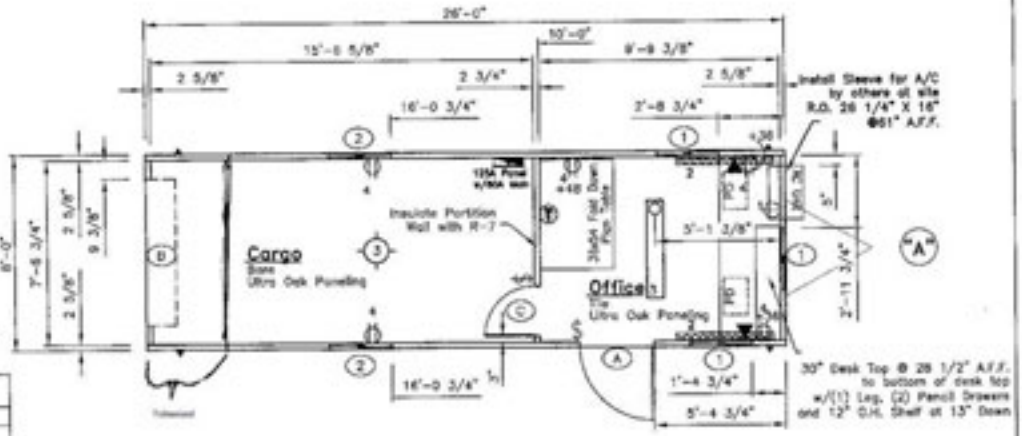


Framing for Exterior Door "A"

A 120/240v 12W 60HZ PANEL
60A 3-pole breaker
1 1/2" EMT conduit
(3) #6 THW feeders
#6 GRND

Electrical Riser Diagram



DRAWING LEGEND

SYMBOL	QTY.	DESCRIPTION
▶	2	Over the floor hurricane straps/Tie down locations
	1	120/240 electric panel
	2	120V Electric 48" baseboard heater (+4" A.F.F.)
	1	Thermostat (+54" A.F.F.)
	5	120V ivory duplex grounding type (+18" AFF unless noted)
	1	120V Ivory single A/C Recept (+54" AFF)
◀	2	2x4-jbox w/3/4" conduit thru floor for phone/data (+36" AFF unless noted)
	2	120V ivory toggle type (+48" AFF unless noted)
	1	120V 4' (2) tube surface mount w/diffuser
	1	120V Porcelain base incandescent light

Model: A Area behind 308 ft Panel Voltage 240
Main Breaker 60A Panel Phase 1

CAT#	Breaker size	Description	QTY	Voltage	Voltage per item	Connected Load	Load Factor	Calculated load	Total
1	20 (1)	A/C	1	120	940	940	1.00	940	940
2	20 (1)	Baseboard Heater	2	120	1000	2000	1.00	2000	2000
3	15 (1)	Lights	1	120	84	84	1.25	105	
		Fan Light	1	120	50	50	1.25	75	180
4	15 (1)	Receptn	5	120	180	900	1.00	900	900

Total connected load	4020.00
Actual light load	105.00
TCL - A/C	3940.00
NEC LT load factor 3.5	840.00
Total Load	4905.00
Panel load amps	20.10

DOOR & WINDOW SCHEDULE

SYMBOL	QTY.	DESCRIPTION	ROUGH OPENING
A	2	36x80 standard vinyl clad door w/alum. frame and 10x10 safety glazed tile stay chain, knob lock set, weatherstripping and threshold	36 x 80 see R.O. Detail
B	1	72 X 68 Steel roll-up overhead	72 x 68 1/2
C	1	24x80 hollow core door w/factory frame and passage knob set	24 5/8 x 81 5/8
1	3	horizontal slider w/aluminum mill frame single glass, blinds and bug screen 46X27	30 1/4" x 27 1/4" up 41 1/4" A.F.F.
2	2	30x14 horizontal slider w/aluminum mill frame single obscure glass and bug screen	30 1/4" x 14 1/4" up 54 1/4" A.F.F.

Wire Size Chart

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