

Design Criteria

Square Footage: 470 Sq. ft.
 Occupancy load: 5 (Egress load)
 Floor dead load: 18 PSF.
 Floor live load: 50 PSF.
 Roof dead load: 7 PSF.
 Ground snow load: 40 PSF.
 Roof snow load: 40 PSF.
 Building Weight 12,000 LBS.

APPROVED FOR PRODUCTION

Armstrong Trailers
1244 Office
11'-9" x 40'-0"

FRAME – OUTRIGGER

MAIN I-BEAM: M10x8 I-Beam (ASTM A36) (Fy=36ksi)
 CROSSMEMBER: ANGLE & ROD AND 13GA FORMED STEEL OUTRIGGER @ 48" O.C.
 NOTE: SOLID REAR CROSSMEMBERS AND RECESSED TAIL LIGHTS
 HITCH: DETACHABLE W/ 2 5/16" CUP AND JACK
 AXLES: 2 W/ BRAKES, 6-MULTI-LEAF SPRINGS OVERSLUNG (SINGLE TANDEM)
 NOTE: 75 1/2" SPRING CENTERS
 MISC: 1 BARGEMAN PLUG
 TIRES: 14-PLY
 PAINT: MIN 3 MIL BLACK ASPHALT
 TIE DOWNS: FRAME TIES, IF REQUIRED, ON SITE BY OTHERS

FLOOR – TRANSVERSE

BOTTOM BOARD: WOVEN PLASTIC INSULATION SUPPORT
 NOTE: FASTEN TO BOTTOM OF JOIST 24" OC MAX
 INSULATION: R-11 UNFACED FIBERGLASS
 JOISTS: 2X6 #2 SPF EQUAL OR BETTER @ 16" O.C. (TRANSVERSE)
 RIM JOIST: 2X6 #2 SPF EQUAL OR BETTER
 DECKING: 5/8" (19/32") T&G DOUGLAS FIR PLYWOOD 16" O.C. MIN. SPAN INDEX
 COVERING: 1/8" VINYL COMPOSITION TILE (CLASS A/1 F.S.)
 (COLOR = #51839 FORTRESS WHITE)

EXTERIOR WALLS

STUDS: 2X4 STUD GRADE SPF EQUAL OR BETTER @ 16" O.C.
 BOTTOM PLATE: SINGLE 2X4 #3 SPF EQUAL OR BETTER
 TOP PLATE(S): SINGLE 2X4 #3 SPF EQUAL OR BETTER
 WALL HEIGHT: 8' -0"
 WALL COVERING: 1/4" NATURAL BIRCH PANELING (CLASS C/3 F.S.)
 WALL COVERING: 1/4" VINYL COVERED PANELING (CLASS C/3 F.S.) END WALLS
 (COLOR = HAMPTON GRAY)
 INSULATION: R-11 UNFACED FIBERGLASS BATTS
 SHEATHING: 3/8" OSB
 SIDING: .019 SMOOTH ALUMINUM (COLOR = SMOOTH- COLONIAL WHITE)
 NOTE: SCREW EVERY MESA
 TRIM: .019 RCE ALUMINUM (TOP, BOTTOM AND CORNERS)
 (COLOR = RCE- EARTH BROWN)
DO NOT INSTALL DEALER DECALS
 MISC: ANSI CONSTRUCTION

INTERIOR WALLS

STUDS: 2X4 STUD GRADE SPF EQUAL OR BETTER @ 16" O.C.
 BOTTOM PLATE: SINGLE 2X4 #3 SPF EQUAL OR BETTER
 TOP PLATE(S): SINGLE 2X4 #3 SPF EQUAL OR BETTER
 WALL HEIGHT: 8' -0"
 WALL COVERING: 1/4" NATURAL BIRCH PANELING (CLASS C/3 F.S.)
 TRIM: STANDARD WOOD PROFILES
 TRIM: VINYL BATTENS AT TOP, VERTICAL SEAMS AND CORNERS
 TRIM: 4" VINYL COVE BASE (COLOR = BLACK #P100)

ROOF

RAFTERS: BOW TRUSSES @ 16" O.C. W/40# LIVE LOAD
 5 1/2" HEEL X 12 1/4" CROWN 11' - 6" LONG TRUSS#CS-120
 CEILING PANEL: 1/2" PREFINISHED GYPSUM W/VAPOR BARRIER (CLASS A/1 F.S.)
 INSULATION: R-11 INSULATION
 SHEATHING: 3/8" OSB
 ROOFING: 30 GA GALVANIZED STEEL (CLASS C/3 F.S.)
 GUTTERS: K-60 J-RAIL

EXTERIOR DOORS

A: 2 36X80 ELIXER VINYL CLAD DOOR W/ALUM. FRAME, 10X10 SAFETY GLAZED LITE, LOCKWARE # 5401 KNOB LOCK SET, DRIP CAP, WEATHER STRIPPING, STAY-CHAIN, LATCH GUARD AND THRESHOLD. (COLOR = IVORY)

INTERIOR DOORS

B: 1 36X80 PREFINISHED (IMPERIAL OAK / EQUAL) HOLLOW CORE WOOD DOOR W/ BUTTERFLY HINGES, PANEL JAMBS
 HARDWARE: 1 FAS-TEC PASSAGE #DL22-SS KNOB SET US32D GRADE 3

WINDOWS

1: 3 46X27 HORIZONTAL SLIDER W/SINGLE CLEAR GLASS, ALUM. EXTRUDED MILL FINISH FRAME, BUG SCREEN AND SELF STORING STORMS (WHITE FRAME)
 2: 4 30X27 HORIZONTAL SLIDER W/SINGLE CLEAR GLASS, ALUM. EXTRUDED MILL FINISH FRAME, BUG SCREEN AND SELF STORING STORMS (WHITE FRAME)

ELECTRICAL

NOTE: ALL ELECTRICAL TO MEET CSA STANDARDS
 SERVICE: 120/240V SINGLE PHASE, 3 WIRE, 60HZ W/GROUND
 LOAD CENTER: 1 24 CIRCUIT WITH MAIN 100AMP BREAKER CQ0124M125C100
 NOTE: CSA HEIGHT TO BE 36" TO BOTTOM.
 RACEWAY: MIN. #14 AWG NM UP TO 40A. > 40A IN SE TYPE WIRE. (CSA)
 ENTRANCE: 1 1/2" EMT CONDUIT STUB THRU SIDEWALL
 LIGHTS: 5 4' 2 32W T8-TUBE FLUOR. W/DIFFUSER & ELECTRONIC BALLAST W/LUMINAIR DISCT. (SB 232 120 RE)
 NOTE: CSA, ALL SWITCHES AND RECEIPT TO BE GROUND TO BOX
 RECEPTACLES: 7 120V 15A IVORY DUPLEX GROUNDING TYPE # 5320ICP
 RECEPTACLES: 2 120V 20A IVORY SINGLE GROUNDING TYPE A/C RECEIPT
 SWITCHES: 2 120V 15 AMP IVORY TOGGLE TYPE #CSB115I
 MISC: 2 2x4 WALL MTD. J-BOXES W/ 1/2" CONDUIT STUBBED BELOW FLOOR

HVAC

HEATING: 5 6' 1.5KW 120 VOLT BASEBOARD HEATER #2516
 THERMOSTAT: 5 120V WALL MOUNT #MS26
 COOLING: 2 5,000 BTU 120v THRU-WALL AIR CONDITIONER (PERFECT AIRE PAC 5000) W/ 20A IVORY SINGLE GROUNDING TYPE A/C RECEIPT # 5801I

SPECIALTIES

EXTINGUISHER: IF REQUIRED BY OTHERS AT SITE
 MISC:

Building Notes:

- All materials are C and B Custom Modular's standards unless otherwise specified.
- All door adjustments are on site by others.
- C and B Custom Modular Inc. is not responsible for local codes or permits.
- Construction type trailer

VIN#

16-19575 = RP9FT4026HA028001
 16-19630 = RP9FT4028HA028002

Drawing Index

Page	Page Description
C1	Building Specifications
A1	Building Elevations
A2	Production / Electrical Floor Plan

ID	Revision	Date

Scale: N/A	Drawn: Becky B.	Date: 12/7/16	Plot Date: Dec 12, 2016
Serial Numbers: 16-19575 & 16-19630	Drawing Number: 1584	DWG File Name: 16-19575_19630.dwg	
Approval Numbers: QPS Electric	Sales Representative: Lewis Chadwick		

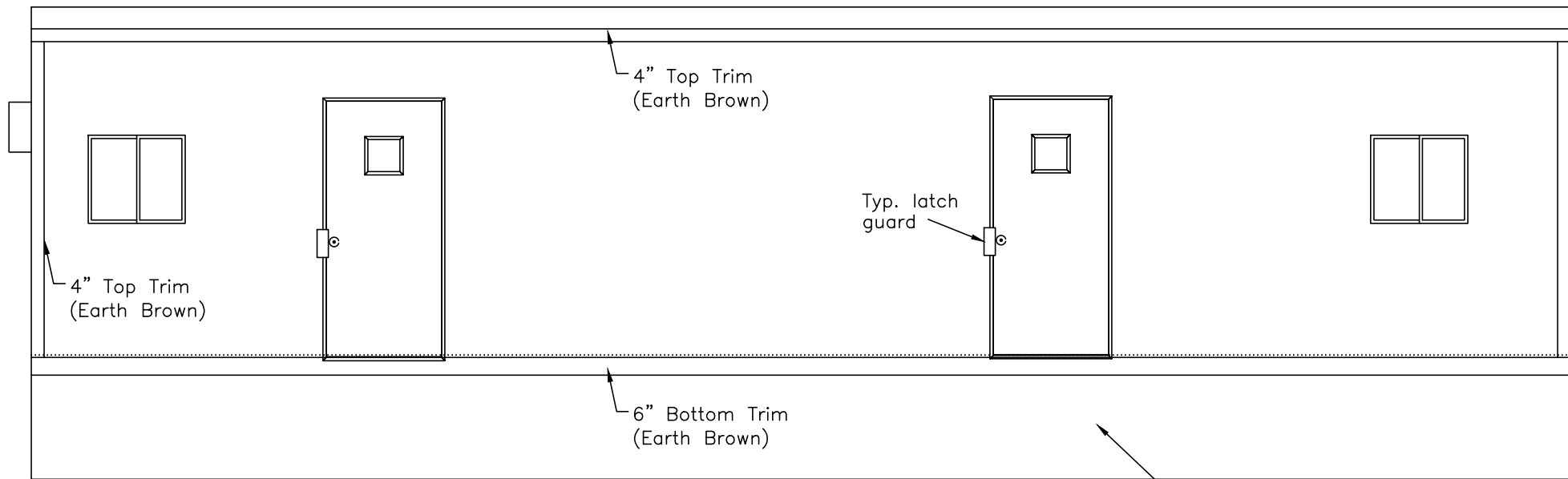
ARMSTRONG
 Manufactured Homes - Office Trailers

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 PH: (574) 848-7300
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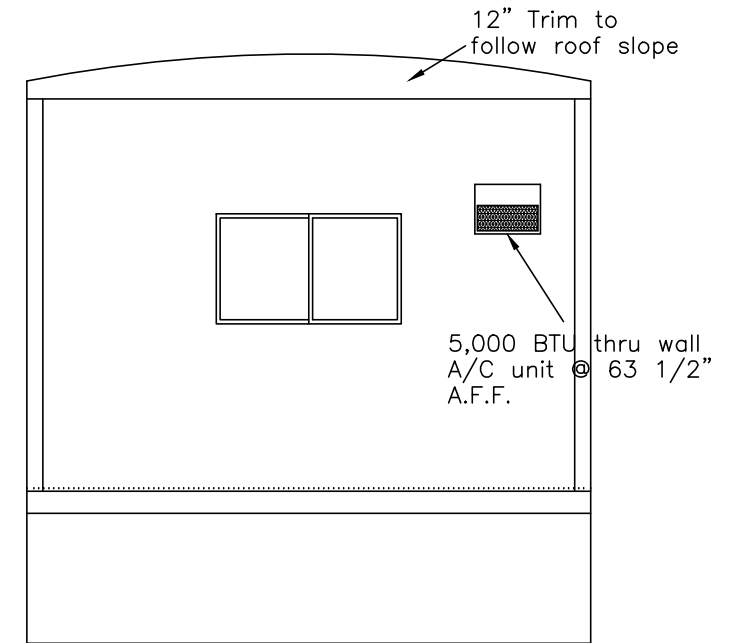
C & B
 MODULAR, INC.

Title: **Armstrong Trailers**
1244 Office (11'-9" x 40'-0")

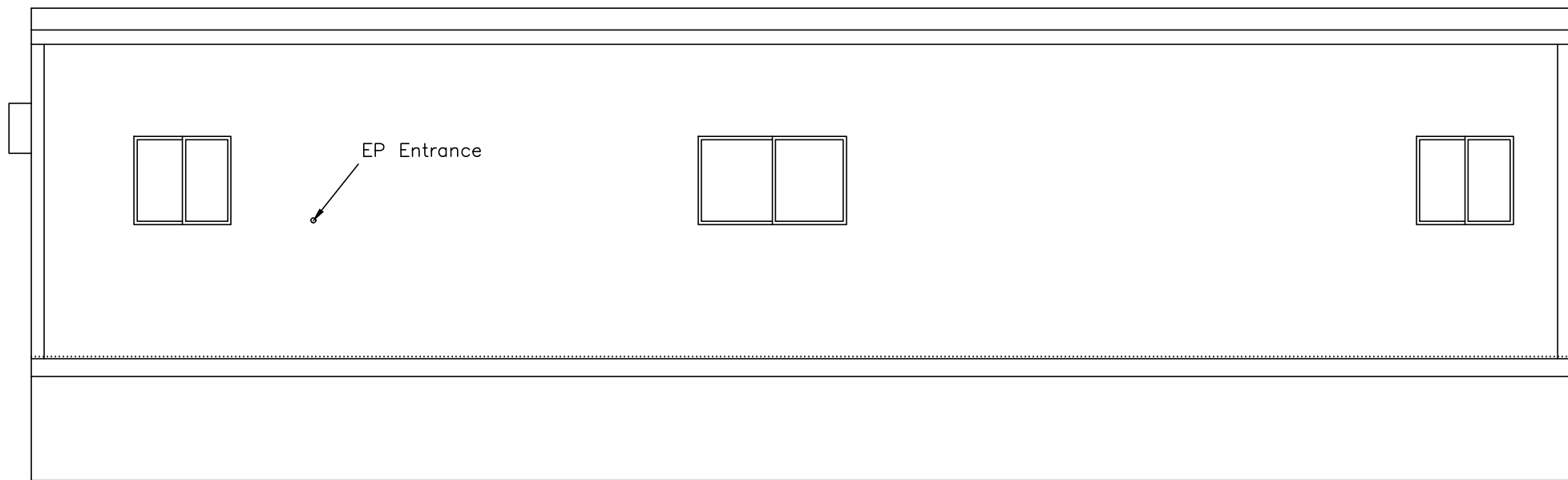
Sheet Description: Building Cover Sheet	Page #: C1
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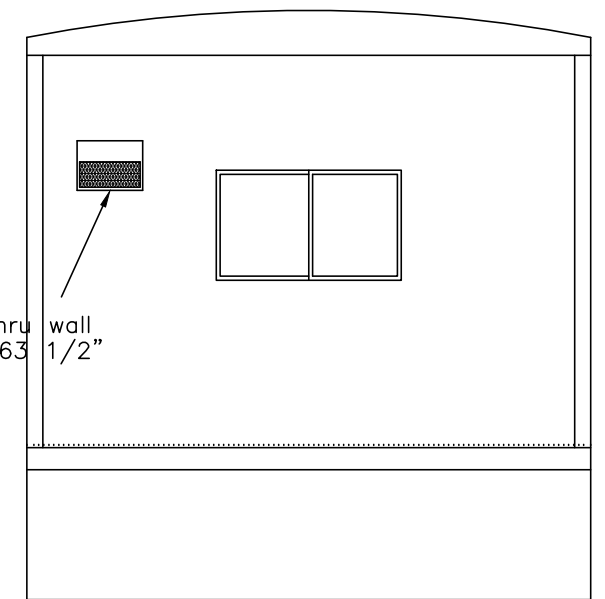
Elevation A



Elevation B



Elevation C



Elevation D

Skirting supplied and installed by others on site

12'-4 5/8" Shipping Height

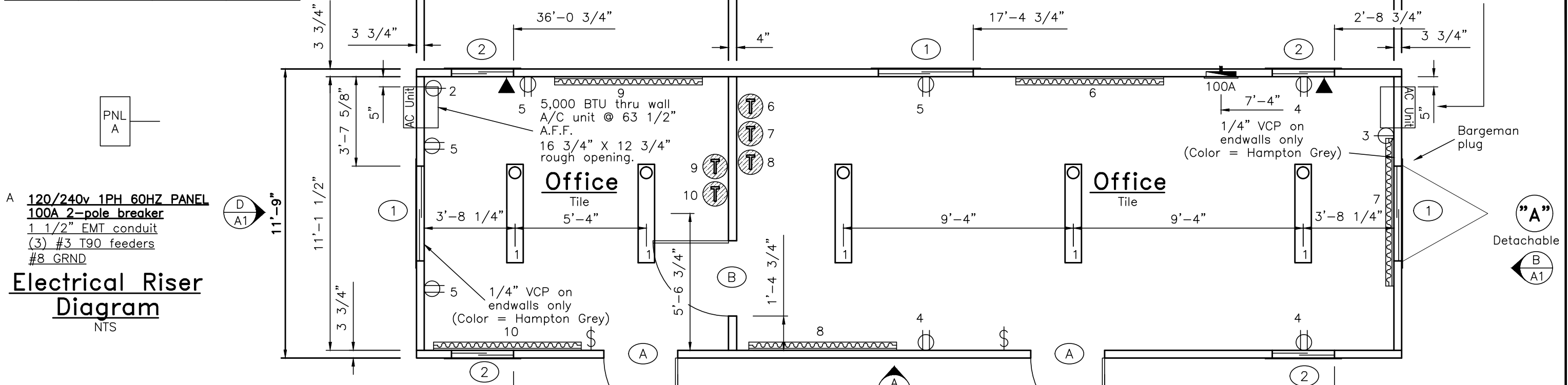
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Title: Armstrong Trailres 1244 Office (11'-9" x 40'-0")		
Sheet Description: Building Elevations		Page #: A1

Wire Size Chart (90° C)

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



DRAWING LEGEND

SYMBOL	QTY.	DESCRIPTION
	1	120/240 electric panel (+36" AFF to bottom of panel)
	5	Wall mtd 120V thermostat (+48" AFF to top)
	7	120V ivory duplex grounding type (+18" AFF unless noted)
	2	120V ivory toggle type (+42" AFF unless noted)
	5	120V 4' (2) tube surface mount w/diffuser
	5	120V 1.5KW Electric 72" Baseboard heater (+4" A.F.F.)
	2	120V 20A ivory single grounding type A/C recept (+54" AFF unless noted)
	2	2x4-jbox w/blank cover and 1/2" conduit thru floor for phone/data. (+18" AFF unless noted)

DOOR, WINDOW AND OPENING SCHEDULE

SYMBOL	QTY.	DESCRIPTION	ROUGH OPENING
A	2	Door: 36x80 Elixer vinyl clad w/ 10x10 S.G. light Handle: Lockware 5401 Knob Other: Drip cap, threshold, weather stripping, stay chain, latchguard Frame: Aluminum Closer:	36 x 80
B	1	Door: 36x80 prefinished hollow core wood door Handle: FAS-TEC PASSAGE #DL22-SS KNOB SET US32D Other: Butterfly hinge Frame: Panel Jamb's Closer:	36 3/4" x 81 3/4"
1	3	Window: 46x27 horizontal slider w/ single clear glass Frame: Aluminum (Mill Finish) Acc. bug screen, Self storing storm window with white frame	46 1/2" x 27 1/4" up 41 1/4" A.F.F.
2	4	Window: 30x27 horizontal slider w/ single clear glass Frame: Aluminum (Mill Finish) Acc. bug screen, Self storing storm window with white frame	30 1/2" x 27 1/4" up 41 1/4" A.F.F.

Modul	A	Area Served Sq. Meter	Area served	470 ft	Panel Voltage	240			
		43.664288 ft	Main Breaker	100A	Panel Phase	1			
CKT#	Breaker size	Description	QTY	Voltage	Wattage per item	Connected Load	Load Factor	Calculated load	Total
1	15 /1	Lights (2-tube)	5	120	71.2	356	1.25	445	
2	20 /1	A/C Recept	1	120	515	515	1.00	515	515
3	20 /1	A/C Recept	1	120	515	515	1.00	515	515
4	15 /1	Recepts	3	120	180	540	1.00	540	540
5	15 /1	Recepts	4	120	180	720	1.00	720	720
6	20 /1	Baseboard Heater	1	120	1500	1500	1.25	1875	1875
7	20 /1	Baseboard Heater	1	120	1500	1500	1.25	1875	1875
8	20 /1	Baseboard Heater	1	120	1500	1500	1.25	1875	1875
9	20 /1	Baseboard Heater	1	120	1500	1500	1.25	1875	1875
10	20 /1	Baseboard Heater	1	120	1500	1500	1.25	1875	1875
Total connected load									12110.00
Total connected load amps									50.46
Load factor									50 2183.22
Appliance Load									10405.00
CEC 2012 Elec Load Amps									52.45

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