Indiana Mobile Building Codes

2008 NATIONAL ELECTRIC CODE*	OCCUPANCY GROUP:	"B"
1997 INDIANA BUILDING CODE	CONSTRUCTION TYPE:	5B
1997 INDIANA MECHANICAL CODE	WIND LOAD:	90MPH
1992 INDIANA ENERGY CONSERVATION CODE	Wind Exposure:	"C"
	SEISMIC ZONE:	Av=<.07

* = W/STATE AMENDMENTS
State Review, Label and Inspection

Design Criteria

Square Footage:	658	Sq. ft.
Occpancy load:	7	(Egress load)
Floor dead load:	15	PSF.
Floor live load:	50	PSF.
Roof dead load:	7	PSF.
Ground snow load:	30	PSF.
Roof snow load:	30	PSF.

Dear John, Inc.
12 x 60 Office
11'-9" x 56'-0" Actual Size

FRAME - OUTRIGGER

MAIN I-BEAM:		M12X10.8
CROSSMEMBER:		ANGLE & ROD AND 13GA FORMED STEEL OUTRIGGER @ 48" O.C.
HITCH:		DETACHABLE W/2 5/16" CUP AND JACK
AXLES:		3 W/BRAKES, 6-MULTI-LEAF SPRINGS OVERSLUNG (SINGLE TRIPLE)
NOTE:		75 1/2" SPRING CENTERS
TIRES:		14-PLY
PAINT:		MIN 3 MIL BLACK ASPHALT

FLOOR - TRANSVERSE

BOTTOM BOARD:		32GA GALVANIZED
INSULATION:		R-11 UNFACED FIBERGLASS
JOISTS:		2X6 #2 SPF EQUAL OR BETTER @ 16" O.C. (TRANSVERSE)
NOTE:		8" O.C. AT EXTERIOR DOOR LOCATIONS
RIM JOIST:		2X6 #2 SPF EQUAL OR BETTER
TIE DOWNS:	4	OVER THE FLOOR HURRICANE STRAPS
DECKING:		1ST LAYER 3/4" T&G FIR PLYWOOD 16" O.C. MIN. SPAN INDEX
COVERING:		1/8" VINYL COMPOSITION TILE (CLASS A/1 F.S.)USE E700 GLUE (COLOR = AZROCK 824 SESAME)W/1-COAT WAX

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" ULTRA OAK PANELING (CLASS 3 F.S.)
INSULATION:		R-11 UNFACED FIBERGLASS BATTS
SIDING:		.019 ALUMINUM SMT ALUMINUM WITH RCE CORNERS
NOTE		SHIP LOOSE ONE CORNER (COLOR = COLONIAL WHITE - SMOOTH)
NOTES:		USE STAINLESS STEEL SCREWS
TRIM:		.019 ALUMINUM 5" RCE TOP STARTER (COLOR = IVY GREEN - RCE)
NOTE:		INSTALL DEALER DECALS
MISC:		ANSI CONSTRUCTION

INTERIOR TRIM

TRIM:		STANDARD WOOD PROFILES

ROOF

RAFTERS:		BOW TRUSSES @ 16" O.C. W/30# LIVE LOAD 3 1/2" HEEL X 11 1/2" CROWN 138' - 6" LONG TRUSS#H0966T1437
CEILING PANEL:		1/2" PREFINISHED GYPSUM W/VAPOR BARRIER (CLASS A/1 F.S.)
INSULATION:		R-11 BLOWN INSULATION
SHEATHING:		7/16" OSB 16/0 SPAN INDEX
ROOFING:		30 GA GALVANIZED (CLASS C/3 F.S.)
ROOF VENTING:	1	POWERED SCREENED GABLE VENT TO ACTIVATE @ 60% RELATIVE HUMIDITY
ROOF VENTING:	2	NON-POWERED SCREENED GABLE VENT (4X16) (VENT COLOR = BLACK)
GUTTERS:		K-60 J-RAIL END IVY GREEN MINI GUTTER FRONT AND BACK

EXTERIOR DOORS

A:	2	36X80 ELIXER VINYL CLAD DOOR W/ALUM. FRAME, 10X10 SAFETY GLAZED LITE, DRIP CAP, WEATHER STRIPPING, STAY-CHAIN, STD. THRESHOLD, LOCKWARE # 5401 KNOB (KEYED ALIKE) AND COLONIAL WHITE 40" MINI GUTTER ABOVE DOOR (DOOR COLOR = COLONIAL WHITE)
NOTE:		SEE FRAMING A2

WINDOWS

1:	7	CREATION 46X36 HORIZONTAL SLIDER W/ALUM. EXTRUDED MILL FRAME SINGLE CLEAR GLASS, WHITE MINIBLINDS AND BUG SCREEN

ELECTRICAL

SERVICE:		120/240V SINGLE PHASE, 3 WIRE, 60HZ W/GROUND
LOAD CENTER:	1	24 CIRCUIT WITH MAIN 125AMP BREAKER
ENTRANCE:		1 1/2" EMT CONDUIT STUB THRU FLOOR
RACEWAY:		MIN. #14 AWG NM UP TO 40A. > 40A IN SE TYPE WIRE.
LIGHTS:	10	4' 2 T8-TUBE FLUORESCENT W/DIFFUSER & ELECT. BALLAST W/LUM. DISCT.
RECEPTACLES:	12	120V 15A IVORY DUPLEX GROUNDING TYPE
	1	120V 20A BLACK DUPLEX WEATHER RESISTANT GFCI PROTECTED W/WP IN-USE COVER
SWITCHES:	2	120V IVORY TOGGLE TYPE
MISC:	6	2X4 EMPTY J-BOXES W/ COVER AND 3/4" CONDUIT STUBBED THRU FLOOR FOR PHONE/DATA (SYSTEMS TO BE INSTALLED ON SITE BY OTHERS)

HVAC

HEATING:	1	15KW 240V ELECTRIC RESISTANT HEAT IN WALL HUNG UNIT
COOLING:	1	3-TON 240V SINGLE PHASE BARD WALL HUNG UNIT
THERMOSTAT	1	HONEYWELL DIGITAL NON-PROGRAMMABLE
DUCTS:		FIBERGLASS 16" X 6" IN ROOF FOR S/A
DIFFUSERS:	6	10X10 WHITE W/ADJUSTABLE DAMPER IN CEILING.
RETURN AIR:	1	FRG3 FILTER GRILLE WITH 70004-39 FLITER

SPECIALTIES

COAT RACK:	APPR 74.5 LF STAINED 1X4 WITH COAT HOOKS 8" O.C. BELOW WIRE SHELF
SHELVES:	APPR 74.5 LF OF 12" WHITE WIRE SHELF .
EXTINGUISHER:	IF REQUIRED BY OTHERS AT SITE

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

APPROVED AS IS	☐	SIGNATURE DATE
APPROVED AS NOTED	☐	SIGNATURE DATE
REVISE AND RESUBMIT	☐	SIGNATURE DATE

TRANSPORTATION IS THE RESPONSIBILITY OF THE DEALER AND OR OWNER. C&B SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO BUILDING CAUSED BY SHIPPING COMPANY BECAUSE OF WIDTH AND OR HEIGHT OF UNIT

See Building Elevation
Building Height

Drawing Index

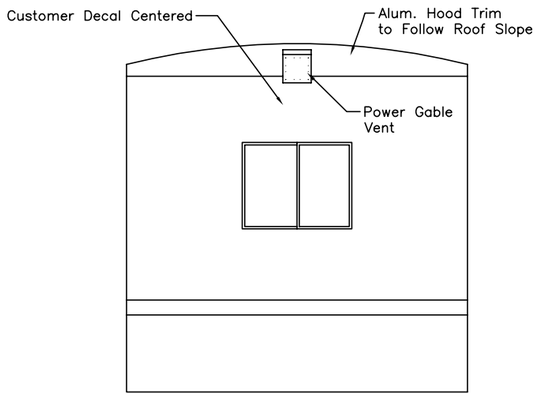
Page	Page Description
C1	Project Cover Sheet
A1	Building Elevations
A2	Production Floor /Electrical Plan

ID	Revision	Date

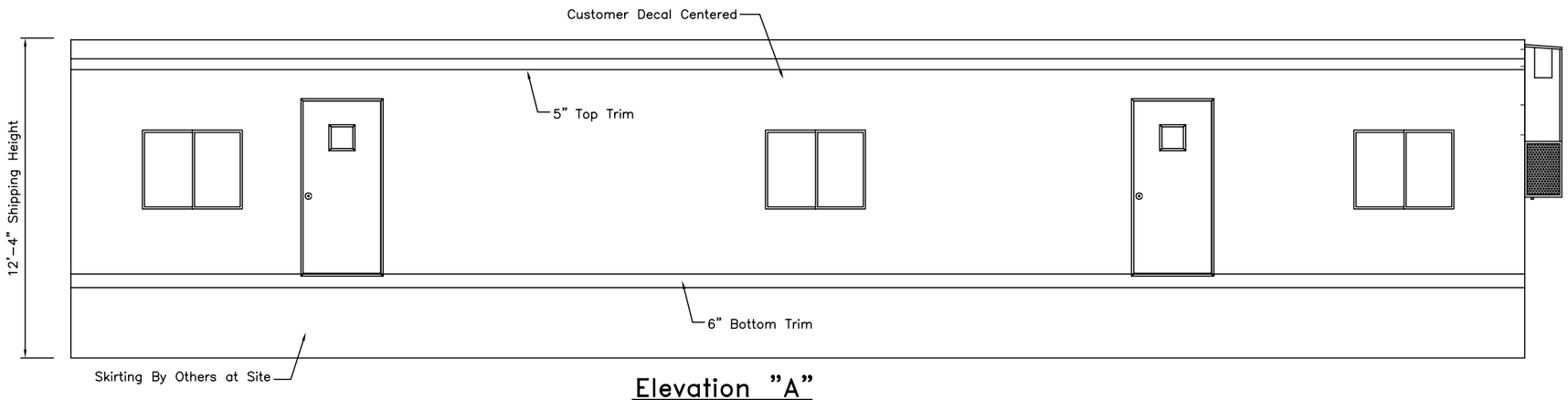
Dear John® Inc.

C & B CUSTOM MODULAR, INC.
2224 Bloomingdale Drive
Bristol, Indiana 46507
PH: (574) 848-7300
FX: (574) 848-1950

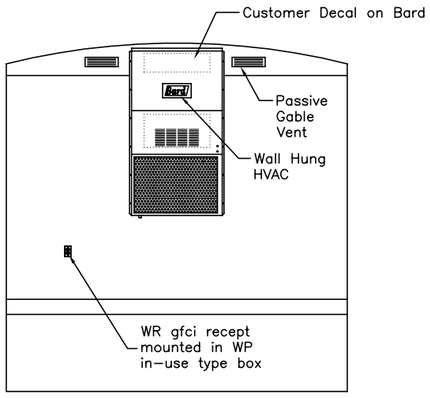
Scale: N/A	Drawn: BB	Date: 1/11/10	Plot Date: Jan 13, 2010
Serial Numbers: 10-16434-39	Drawing Number: 1196	DWG File Name: 10-16434-39.dwg	
Approval Numbers: MT 20065911	Sales Representitive: Jay/Lewis		
Title: Dear John, Inc. 12 x 60 Office (11'-9" x 56'-0")			
Sheet Description: Building Cover Sheet	Page #: C1		



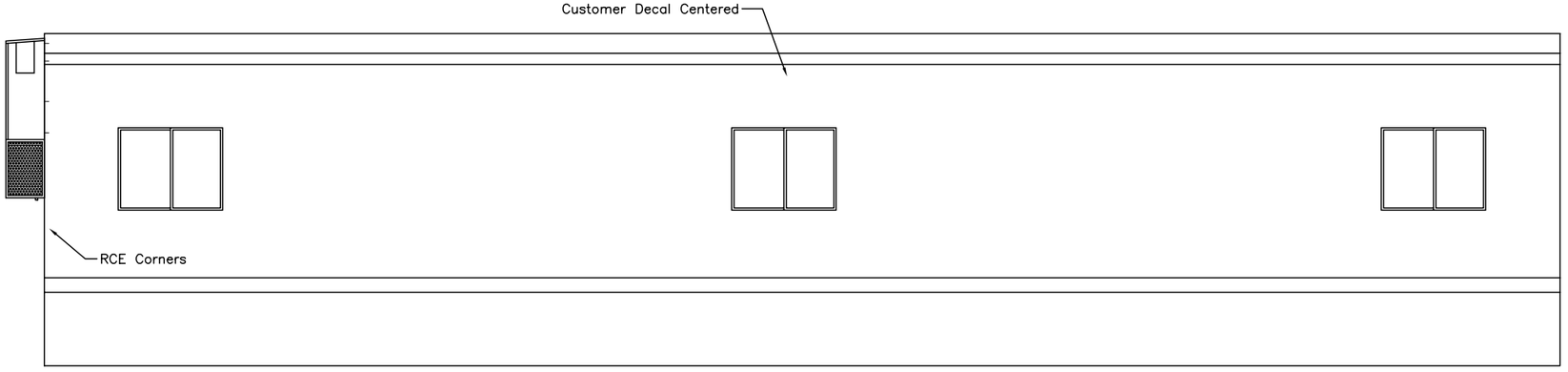
Elevation "D"



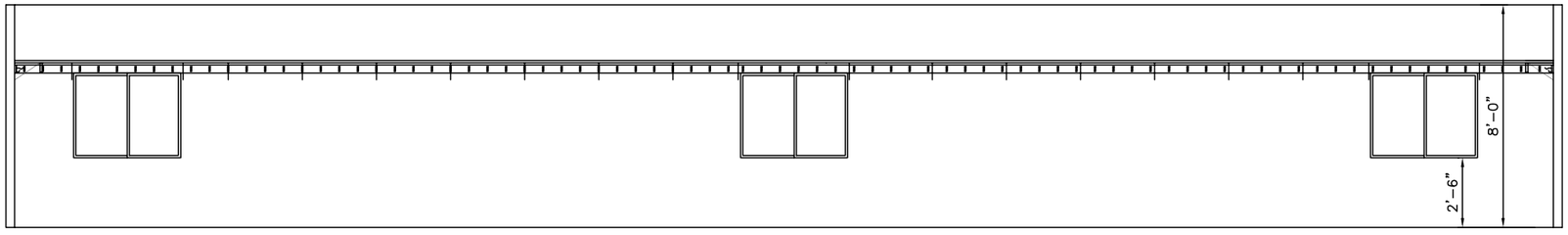
Elevation "A"



Elevation "B"



Elevation "C"



Elevation "E"

APPROVED AS IS ☐ SIGNATURE DATE

APPROVED AS NOTED ☐ SIGNATURE DATE

REVISE AND RESUBMIT ☐ SIGNATURE DATE

TRANSPORTATION IS THE RESPONSIBILITY OF THE DEALER AND OR OWNER. C&B SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO BUILDING CAUSED BY SHIPPING COMPANY BECAUSE OF WIDTH AND OR HEIGHT OF UNIT

See Building Elevation
Building Height

ID	Revision	Date

Dear John® Inc.

CUSTOM C&B MODULAR, INC.
2224 Bloomingdale Drive
Bristol, Indiana 46507
PH: (574) 848-7300
FX: (574) 848-1950

Scale:	Drawn:	Date:	Plot Date:
Noted	BB	1/11/10	Jan 13, 2010

Serial Numbers:	Drawing Number:	DWG File Name:
10-16434-39	1196	10-16434-39.dwg

Approval Numbers:	Sales Representitive:
MT 20065911	Jay/Lewis

Title:
Dear John, Inc.
12 x 60 Office (11'-9" x 56'-0")

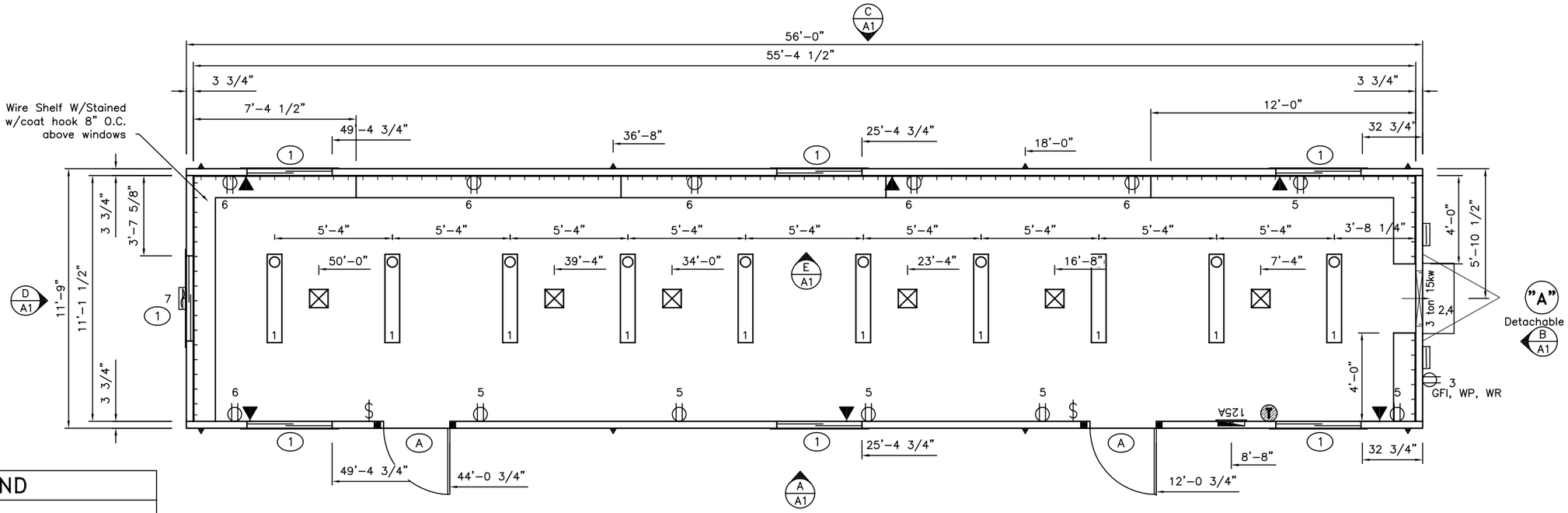
Sheet Description: Building Elevations

Page #: A1

PNL
A

A 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
▶	4	Over the floor hurricane straps/Tie down locations
	1	120/240 electric panel (+30" AFF to bottom of panel)
	1	Low voltage programmable thermostat (+48" AFF to top)
	1	Power gable vent
	6	10x10 white SA diffuser with adjustable damper.
	1	R/A Filter grille through wall (30x16)
	2	Gable vent
	12	120V ivory duplex grounding type (+18" AFF unless noted)
GFI, WP, WR	1	120V Black duplex weather resistant, GFCI protected exterior recept w/IN-USE WP cover (+18" AFF unless noted)
◀	6	2x4-jbox w/blank cover and 3/4" conduit thru floor for phone/data. (+18" AFF unless noted)
	2	120V ivory toggle type (+42" AFF unless noted)
	10	120V 4' (2) tube surface mount w/diffuser

Modul A

Area served 658 ft | Panel Voltage 240
Main Breaker 125A | 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)	10	120	71.2	712	1.25	890	
		Exterior Lights	0	120	13	0	1.25	0	890
2 4	90 /2	3-ton, 15kw HVAC	1	240	15564	15564	1.00	15564	15564
3	20 /1	GFCI Recept	1	120	180	180	1.00	180	180
5	15 /1	Recepts	6	120	180	1080	1.00	1080	1080
6	15 /1	Recepts	6	120	180	1080	1.00	1080	1080
7	15 /1	Gable Vent	1	120	130	130	1.00	130	130

Total connected load	18924.00
Actual light load	890.00
TCL - ACL	18034.00
NEC LT load factor 3.5	2878.75
Total Load	20912.75
Panel load amps	87.14

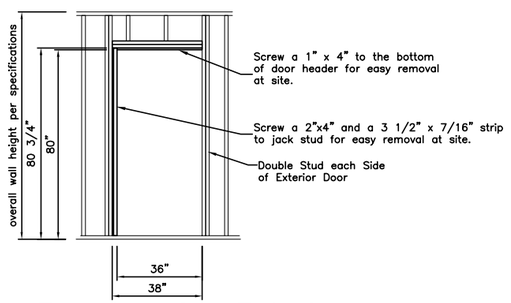
Wire Size Chart

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

DOOR & WINDOW SCHEDULE

SYMBOL	QTY.	DESCRIPTION	ROUGH OPENING
A	2	36x80 vinyl clad door w/alum. frame and 10x10 safety glazed lite, drip cap, stay chain. knob lock set, weatherstripping, minigutter and threashold	36 x 80 see R.O. Detail
1	7	46x36 horizontal slider w/aluminum mill frame single glass, blinds and bug screen	46 1/4" x 36 1/4" up 30" A.F.F.



Framing for Exterior Door "A"

APPROVED AS IS ☐ SIGNATURE DATE
APPROVED AS NOTED ☐ SIGNATURE DATE
REVISE AND RESUBMIT ☐ SIGNATURE DATE

TRANSPORTATION IS THE RESPONSIBILITY OF THE DEALER AND OR OWNER. C&B SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO BUILDING CAUSED BY SHIPPING COMPANY BECAUSE OF WIDTH AND OR HEIGHT OF UNIT

See Building Elevation
Building Height

ID	Revision	Date

Dear John® Inc.

C&B CUSTOM MODULAR, INC.
2224 Bloomingdale Drive
Bristol, Indiana 46507
PH: (574) 848-7300
FX: (574) 848-1950

Scale: 3/16" = 1'-0"	Drawn: BB	Date: 1/11/10	Plot Date: Jan 13, 2010
Serial Numbers: 10-16434-39	Drawing Number: 1196	DWG File Name: 10-16434-39.dwg	
Approval Numbers: MT 20065911	Sales Representitive: Jay/Lewis		

Title: Dear John, Inc.
12 x 60 Office (11'-9" x 56'-0")

Sheet Description: Production Floor /Electrical Plan
Page #: A2