

# Colorado State Building Codes

2002 NATIONAL ELECTRIC CODE	OCCUPANCY GROUP: "B"
2003 INTERNATIONAL BUILDING CODE	CONSTRUCTION TYPE: V-B
2003 INTERNATIONAL MECHANICAL CODE	
2003 INTERNATIONAL ENERGY CONSERVATION CODE	WIND LOAD:
2003 INTERNATIONAL PLUMBING CODE	50MPH 3 SEC. GUSTS
1998 A117.1 HANDICAP GUIDELINES	SEISMIC DESIGN CATEGORY: SM=2.5; S1=2.0; S2=1.5; S3=1.0; S4=0.5

<b>Design Criteria</b>	1974 SF	<b>FRAME - PERIMETER</b>
SQUARE FOOTAGE:	20	MAIN 1-BEAM:
OCCUPANCY LOAD:	25 PSF	CROSSMEMBER:
FLOOR DEAD LOAD:	50 PSF	NOTE:
FLOOR LIVE LOAD:	3 PSF	HITCH:
ROOF DEAD LOAD:		AXLES:
		NOTE:
		TIRES:
		PAINT:

<b>Roof Snow Load</b>	
Ground Snow Load:	50 PSF
Roof Design Load:	50 PSF
Unbalanced Snow Load:	n/a PSF
Snow Exposure:	1.00
Snow Importance Factor:	1.00
Thermal Factor:	1.10

<b>Wind Load</b>	
Wind Speed:	90 MPH
Wind Importance Factor:	1.00
Wind Exposure:	"C"
Building Category:	"B"

<b>Seismic Load</b>	
Seismic Use Group:	"B"
Seismic Importance Factor:	1.00
Site Class:	"D"
Design Category:	"B"

- Building Notes:**
- All materials are C and B Custom Modular's standards unless otherwise specified.
  - Locate state seals, 3rd party seals and data plate on face of electrical panel.
  - All door adjustments are on site by others.
  - C and B Custom Modular Inc. is not responsible for local codes or permits.
  - Building to be erected >10'-0" from existing or assumed property line and >20'-0" from an existing building.
  - Buildings on the same property shall be assumed to have a property line between them.
  - the building exterior and the facilities within the building shall be identified with the international symbol of accessibility. (Signage by others)
  - The dealer/owner shall be responsible for an site barrier free provisions, i.e.: Steps, ramps, parking signs etc.
  - Building approach (walkway or ramp) to be 5'-0" wide minimum and a gradient of not more than 1" in 20'.
  - Exit doors to remain operable during business hours from the inside without the use of a key or any special knowledge.
  - Corrosion resistant flooring at top and sides of doors, windows and at roof penetrations shall be provided.
  - If required, adequate accessible restroom facilities at site by others within 500' of new structure.
  - Building shall not be located in areas that exceed those listed on the cover sheet design criteria and state codes.

- Electrical Notes:**
- All receptacles to be grounding type.
  - All wiring to be per the current code in effect.
  - Main panel to be marked "Suitable for use as service equipment" and be equipped with breaker/fuse type over current protection.
  - Proper thermal overload protection to be provided for all motors.
  - Weatherproof protection required for all outdoor lights, receptacles and disconnects.
  - Proper working clearances to be provided and maintained about all electrical equipment.
  - All fluorescent fixtures require thermal protection and proper clearances from insulation also applicable for incandescent fixtures.
  - Combination exhaust fan/light and all recessed incandescent fixtures to be thermally protected.
  - Exit lights "if electric" must be fed from an approved emergency service connected ahead of but not within main service disconnecting means enclosure and installed as per service requirements or be battery backup type units.
  - All exterior metal to be grounded per N.E.C. or applicable code.
  - In cavities used as return air chases, there shall be no exposed romex and wiring should be run in conduit/MC type cables.

W12X10.8	
M10X8 1-BEAM @ 48" O.C. (M12X10.8 IN AXLE AREA)	
WITH RECESSED TAILLIGHTS	
DETACHABLE W/ 2 5/16" CLIP AND JACK	
4 W/BRAKES, SPRINGS OVERSLUNG (DUAL TANDEM ASSEMBLY)	
75 1/2" SPRING CENTERS	
14-PLY	
MIN 3 MIL BLACK ASPHALT	

<b>FLOOR - LONGITUDINAL</b>	
BOTTOM BOARD:	WOVEN PLASTIC INSULATION SUPPORT
NOTE:	FASTENED TO BOTTOM OF JOISTS 24" O.C. MAX.
INSULATION:	R-19 FACED FIBERGLASS
NOTE:	FACING OF INSULATION TO BE INSTALLED TIGHT TO WARMSIDE OF CAVITY.
JOISTS:	2X6 #2 SPF EQUAL OR BETTER @ 16" O.C. (LONGITUDINAL)
TOP JOIST:	2X6 #2 SPF EQUAL OR BETTER (DOUBLE FULL PERIMETER)
TIE DOWNS:	OVER THE FLOOR HURRICANE STRAPS
DECKING:	1ST LAYER 3/4" TAG PLYWOOD 16" O.C. MIN. SPAN INDEX
NOTE:	HOLDBACK TOP LAYER OF DECKING 10" EACH SIDE W/ATLENE
COVERING:	1/8" VINYL COMPOSITION TILE (CLASS A/1 F.S.)
	(COLOR = #51599 COOL WHITE)

<b>EXTERIOR WALLS</b>	
STUDS:	2X4 STUD GRADE SPF EQUAL OR BETTER @ 16" O.C.
BOTTOM PLATE:	SINGLE 2X4 #3 SPF EQUAL OR BETTER
TOP PLATE(S):	DOUBLE 2X4 #3 SPF EQUAL OR BETTER
WALL HEIGHT:	8'-0"
WALL COVERING:	1/2" VCG (CLASS A/1 F.S.)
	(COLOR = LOUWA BEIGE)
INSULATION:	R-13 KRAFT FACED FIBERGLASS BATTS
SHEATHING:	HOUSEWAP UNDER SIDING
SIDING:	7/16" SMART PANEL WOOD SIDING WITH GROOVES EVERY 8" O.C.
	(COLOR = SW. ANTIQUE WHITE)
TRIM:	1X4 TOP, BOTTOM, MANSARD, CORNERS, DOORS AND WINDOWS
	(COLOR = SW. LATTIE)
TRIM:	SNIP LOOSE 1X4 W/ATLENE TRIM (TO MATCH SIDING/MANSARD)
SKIRTING:	17 SNIP LOOSE (4X9 SHEETS) 7/16" SMART PANEL SIDING (4X9 SHEETS)
	(COLOR = SW. ANTIQUE WHITE)

<b>INTERIOR WALLS</b>	
STUDS:	2X4 STUD GRADE SPF EQUAL OR BETTER @ 16" O.C.
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TOP PLATE(S):	DOUBLE 2X4 #3 SPF EQUAL OR BETTER
WALL HEIGHT:	8'-0"
WALL COVERING:	1/2" VCG (CLASS A/1 F.S.)
INSULATION:	R-11 UNFACED FIBERGLASS
CLOSET:	
TRIM:	DELUXE WOOD PROFILES @ WINDOWS AND DOORS
TRIM:	VINYL BATTERNS AT TOP VERTICAL SEAMS AND CORNERS
NOTES:	SNIP LOOSE BATTERNS FOR WALL AND CEILING W/ATLENE
TRIM:	4" VINYL COVE BASE (6" IN RESTROOM)
	(COLOR = #P182 TOFFEE)

<b>ROOF</b>	
RAFTERS:	FLAT TRUSSES @ 16" O.C. GRADUATED IN HEIGHT
	16" TO 23" LENGTH PER SHEET SS TRUSS#
WATE-BEAM:	1-LAYER OF 1 1/2" X 16" 2 CE LVL PER SHEET SS
MANSARD:	SMART PANEL W/DROOVES @ 8" O.C. (SEE CROSS SECTION FOR DETAIL)
	(COLOR = SW LATTIE)
CEILING PANEL:	1/2" PREFINISHED GYPSUM W/VAPOR BARRIER (CLASS A/1 F.S.)
INSULATION:	R-35 UNFACED FIBERGLASS (2-LYRS R19)
SHEATHING:	7/16" OSB 16/0 SPAN INDEX W/BLAZEGUARD C" (FOR CLASS C/3 F.S.)
ROOFING:	045 BLACK EPDM RUBBER ROOF FULLY ADHERED
ROOF VENTING:	3 POWERED SCREENED GABLE VENT TO ACTIVATE @ 60% RELATIVE HUMIDITY (WHITE)
ROOF VENTING:	6 NON-POWERED SCREENED GABLE VENT (WHITE 8X8)
OUTTERS:	K-60 J-RAIL

<b>EXTERIOR DOORS</b>	
A:	2 36X80 TELL INS STEEL W/STEEL TELL JAMBS AND 10X10 SAFETY GLAZED LITE
	HEAVY DUTY STAY CHAIN, LATCH GUARD, TELL LEVER LOCK SET #LT20815,
	WEATHER STRIPPING AND H/C THRESHOLD.
	(COLOR = COLONIAL WHITE) (KEY CODE # AT EP)

<b>INTERIOR DOORS</b>	
B:	8 36X80 SOLID CORE DOOR W/STEEL JAMBS
	PASSAGE LEVER SET #LT3575 AND DOOR STOP
C:	2 36X80 SOLID CORE DOOR W/STEEL JAMBS
	PRIVACY LEVER SET #LT3576 AND DOOR STOP
D:	1 26X80 SOLID CORE DOOR W/STEEL JAMBS
	PASSAGE LEVER SET #LT3575 AND DOOR STOP
FOI:	1 36X80 FINISHED OPENING (FINISH W/PINE JAMBS)

<b>WINDOWS</b>	
1:	11 WINTTECH G225 24X53 VERTICAL SLIDER W/WHITE VINYL FRAME
	DOUBLE GLASS, BUG SCREEN AND WHITE MINI-BLINDS

<b>ELECTRICAL</b>	
SERVICE:	120/240V SINGLE PHASE, 3 WIRE, 60HZ W/GROUND
LOAD CENTER:	3 16 CIRCUIT WITH MAIN 150AMP BREAKER
ENTRANCE:	1 1/2" EMT CONDUIT STUB THRU FLOOR
RACEWAY:	ANY WIRING IN FLENUMS TO BE FLENUM RATED
NOTE:	MIN #12 AWG NM UP TO 40A, >40A IN SE TYPE WIRE (SEE WIRE SIZE TABLE)
LIGHTS:	28 4' 2 TB-TUBE FLOURESCENT W/DIFFUSER AND ELECTRONIC BALLAST
EXTERIOR LIGHTS:	2 13W FLOURESCENT WP EXTERIOR LIGHT W/PHOTOCELL (300-W/1300-120PC-3WB)
NOTE:	EXTERIOR LTS MAY NEED TO BE SHIPPED LOOSE DUE TO SHIPPING REQUIREMENTS.
EM-LIGHTS:	2 COMBO DUAL BULB FLOOD LIGHT & EXIT LIGHT W/BATT BACKUP
REMOTE HDS:	2 SINGLE EXTERIOR REMOTE FOR ABOVE LT.
NOTE:	ATTACHMENT FOR REMOTE HEADS W/AY NEED TO BE DONE AT SITE.
EXHAUST FAN:	2 100 CFM EXHAUST FAN/ALT COMBO W/13w bulb
RECEPTILES:	33 120V 20A IVORY DUPLEX GROUNDING TYPE
	3 120V 20A IVORY DUPLEX GFCI PROTECTED
	1 120V 20A IVORY DUPLEX GFCI PROTECTED, WP FOR HEATTAPE
	3 120V 20A IVORY DUPLEX GFCI PROTECTED, W/IN-USE COVER
SWITCHES:	22 120V IVORY TOGGLE TYPE (1 W/RED COVER FOR W/H DISCONNECT)
MISC:	14 J-BOXES W/ CONDUIT STUBBED THRU FLOOR FOR PHONE/DATA
	(SYSTEMS TO BE INSTALLED ON SITE BY OTHERS)

<b>PLUMBING</b>	
SUPPLY LINES:	TYPE L COPPER (PRESSURE REGULATOR VALVE SUPPLIED BY OTHERS AT SITE)
WASTE LINES:	SCHEDULE 40 P/C
NOTE:	MANIFOLDING BELOW FLOOR AND ACROSS WALLS TO BE BY OTHERS AT SITE
WATER HEATER:	1 120V, LOCAL WATER HEATER W/PAN AND SWITCH W/RED COVER FOR DISCONNECT
WATER CLOSET:	2 H/C TYPE, WHITE W/ELONGATED BOWL AND GREEN FRONT SEAT W/1.6GAL FLUSH TANK
LAVATORY:	2 H/C TYPE, 19X17 WHITE W/H/C FAUCET
NOTE:	INSULATE W/FRAP ON H/C LAVS
	HOT WATER TEMPERING VALVE PER ASSE 1016 AND/OR 1070
SINK:	1 15X15 STAINLESS STEEL W/ GOOSENECK LEVER HANDED FAUCET
FLOOR DRAIN:	2 2" FLOOR DRAIN
MISC:	2 SETS CRAWBARS (1) 36, (1) 18 AND (1) 42, 1 1/2 DIAMETER
	18X36 BEVELED EDGE MIRROR W/CLIPS
	2 T.P. HOLDER

<b>HVAC</b>	
HEATING:	3 15KW 240V ELECTRIC RESISTANT HEAT IN WALL HUNG UNIT
COOLING:	3 3-TON 240V SINGLE PHASE BARD WALL HUNG UNIT
NOTE:	(COLOR = BEIGE)
THERMOSTAT:	3 HONEYWELL DIGITAL THERMOSTAT, TH3110D
DUCTS:	FIBERGLASS 16" X 6" IN ROOF FOR S/A
DUCTS:	FIBERGLASS 16" X 6" IN ROOF FOR R/A
DIFFUSERS:	16 10X10 WHITE W/ADJUSTABLE DAMPER IN CEILING
RETURN AIR:	16 10X10 WHITE REGISTERS IN CEILING

<b>SPECIALTIES</b>	
COUNTERTOP:	1 25' X 73' HPL COUNTER W/BACK SPLASH
	(COLOR = ALMOND)
BASE CABINET:	1 S648 MERILAT SPRING VALLEY OAK SINK BASE CABINET
	1 S24 MERILAT SPRING VALLEY OAK BASE CABINET
WALL CABINET:	1 W4824 MERILAT SPRING VALLEY OAK WALL CABINET
	1 W2424 MERILAT SPRING VALLEY OAK WALL CABINET
EXTINGUISHER:	IF REQUIRED BY OTHERS AT SITE

Satellite Shelters  
36 x 60 Office  
35'-3" x 56'-0" Actual Size

APPROVED AS IS  SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_  
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TRANSPORTATION IS THE RESPONSIBILITY OF THE DEALER AND OR OWNER. CAB SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO BUILDING CAUSED BY SHIPPING COMPANY BECAUSE OF WIDTH AND OR HEIGHT OF UNIT

See Building Cross Section

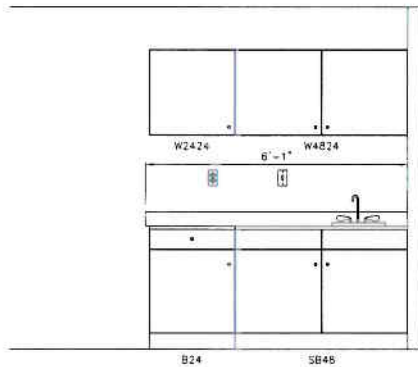
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**Satellite**  
The First In Space

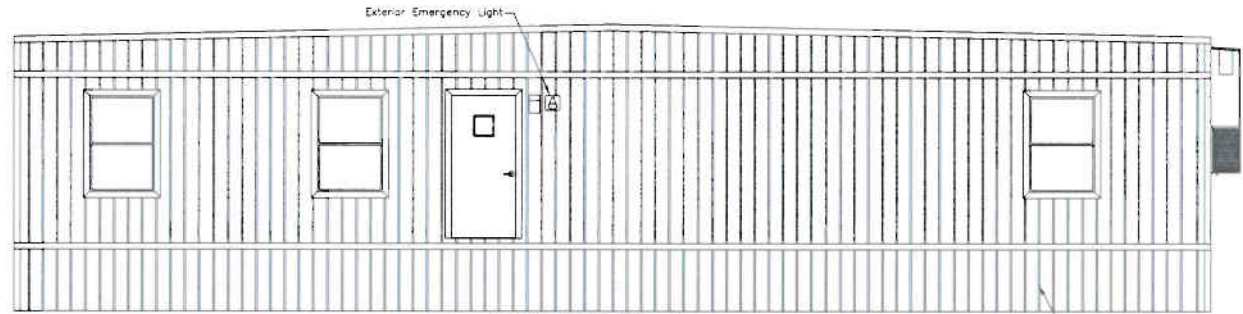
2224 Bloomington Drive  
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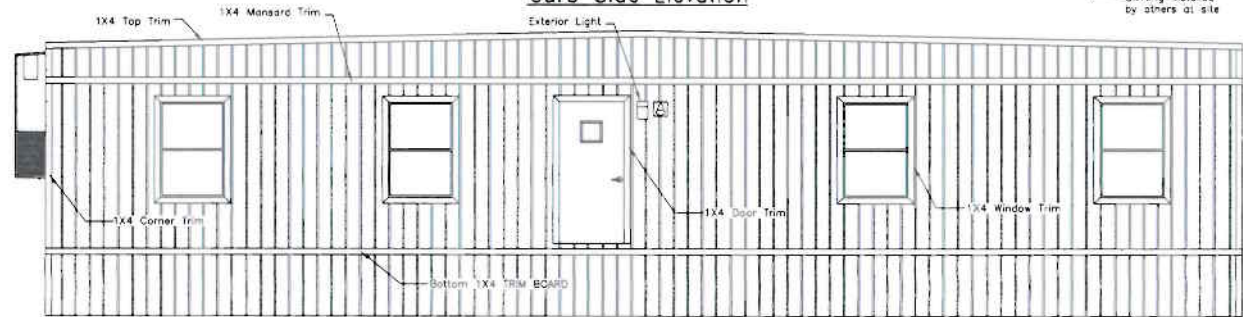
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Sheet Number:	823	Sheet Total:	88-15172-74.dwg	Page #:	C1



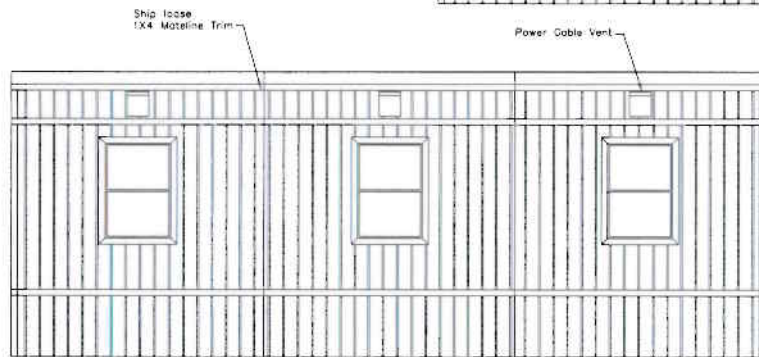
**Cabinet Elevation**



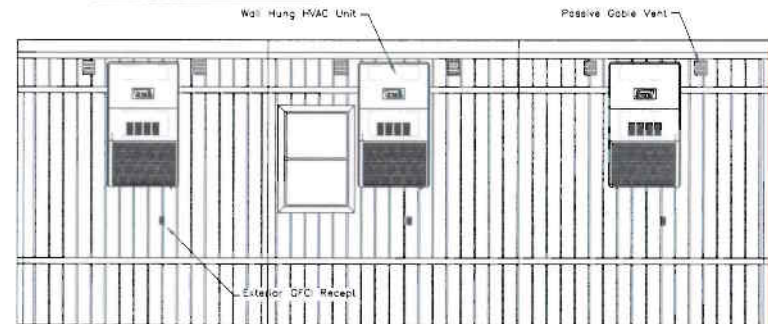
**Curb Side Elevation**



**Road Side Elevation**



**Rear Elevation**



**Hitch End Elevation**

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See Building Cross Section

Rev	Revision	Date

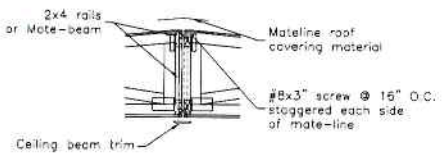
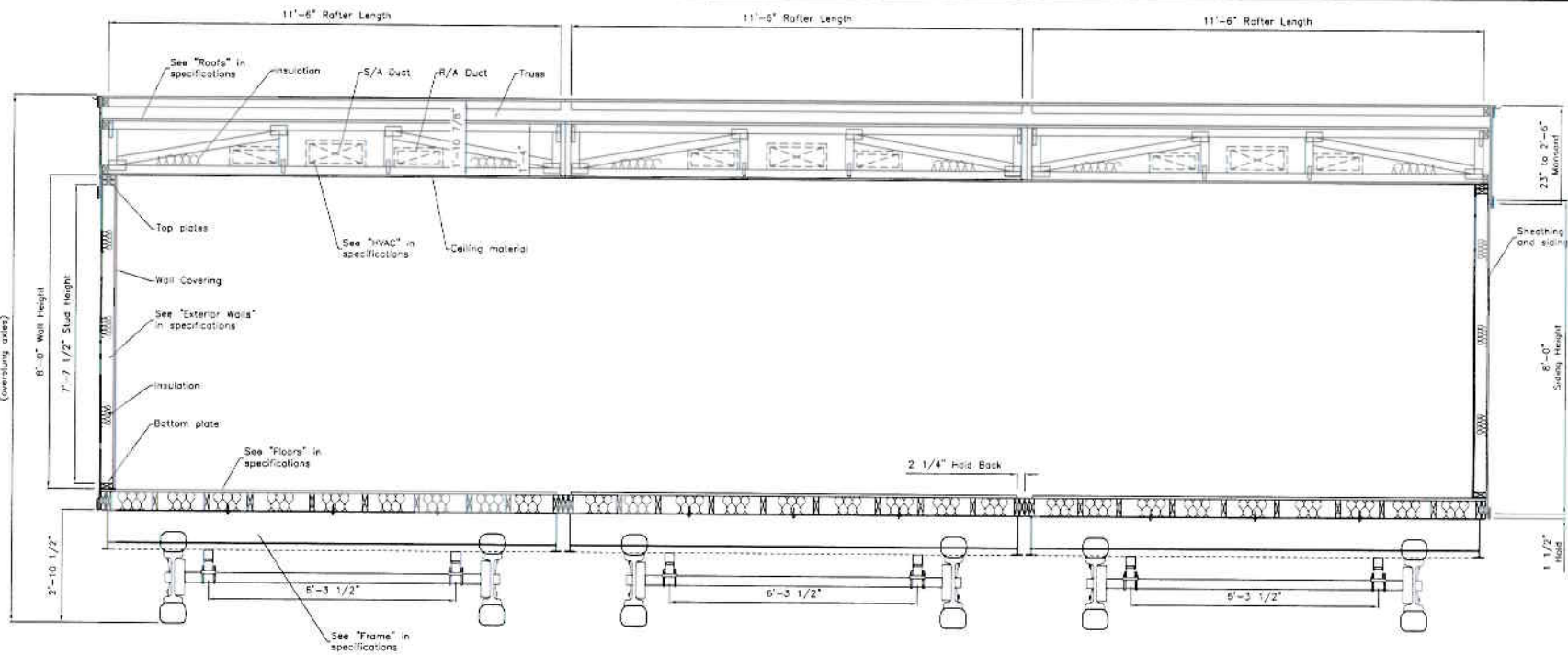
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 Feb 20, 2008  
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 Approval Number: \_\_\_\_\_

**Satellite**  
*The First In Space*

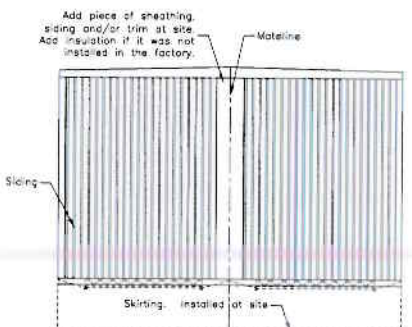
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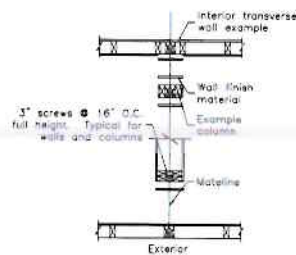
Title: Satellite Shelters  
 36 x 60 Office (35'-3" x 56'-0")  
 Sheet Description: Building Elevations



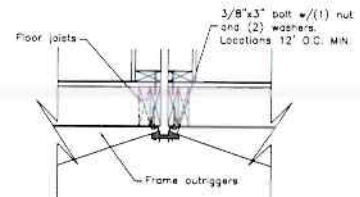
**Roof to Roof Mate-line Connection Detail**  
NTS



Sheathing, siding and/or trim pieces to be installed per manufacturer's recommendations to provide a waterproof seal from the inside of the building. Caulking may be required to meet this criteria.  
**Exterior Wall Mate-up Connection Detail**  
NTS



**Mate-up Wall Connection Detail**  
NTS



**Frame Mate-up Connection Detail**  
NTS

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REVISE AND RESUBMIT \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_  
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See Building Cross Section

ID	Revised	Date



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Sheet Number: 06-15172-74	Issuing Number: #23	DWG File Name: 08-15172-74.dwg	

Site: Satellite Shelters  
36 x 60 Office (35'-3" x 55'-0")  
Sheet Description: Building Cross Section and Details  
Page #: 52