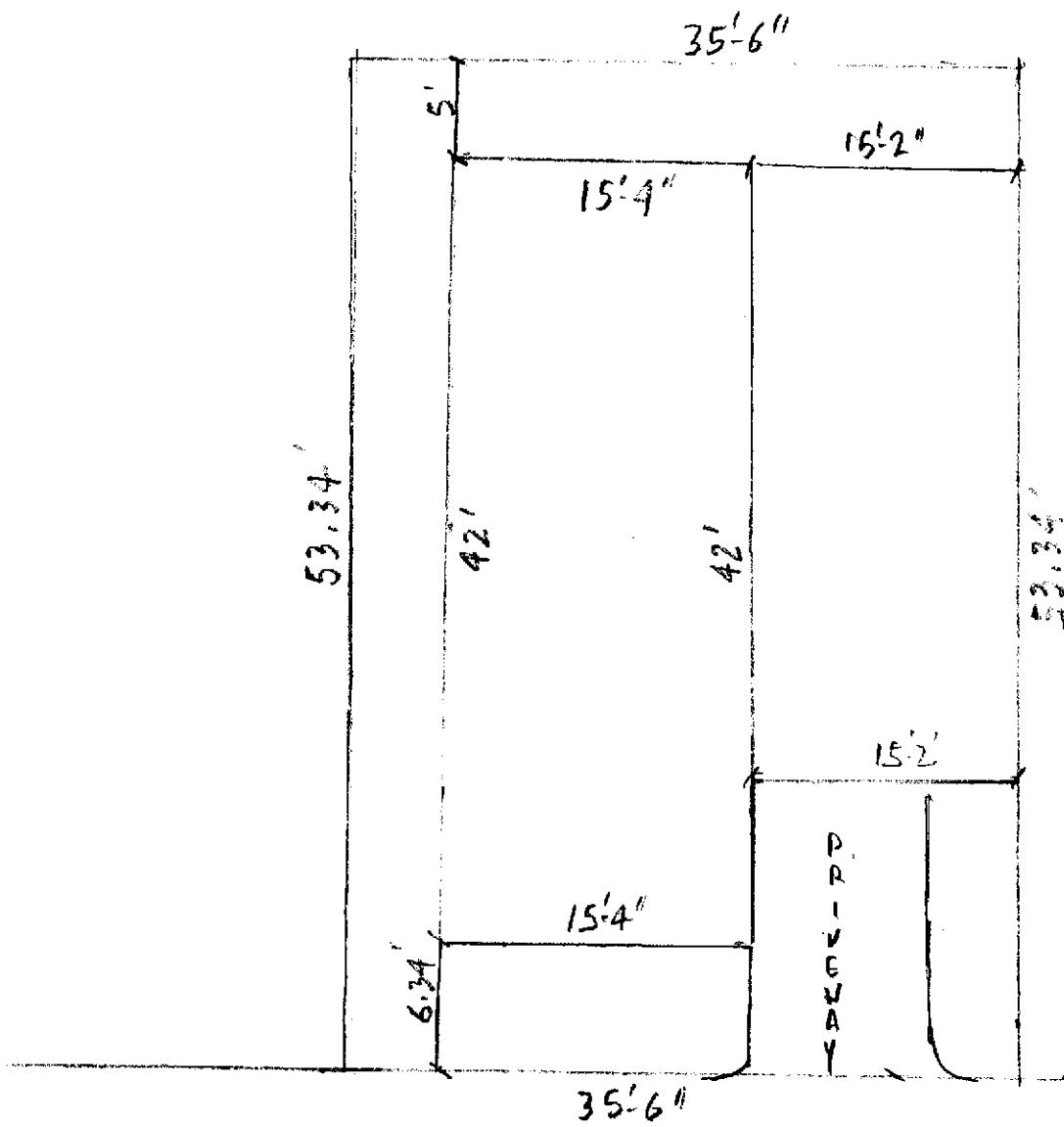


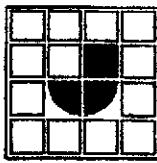
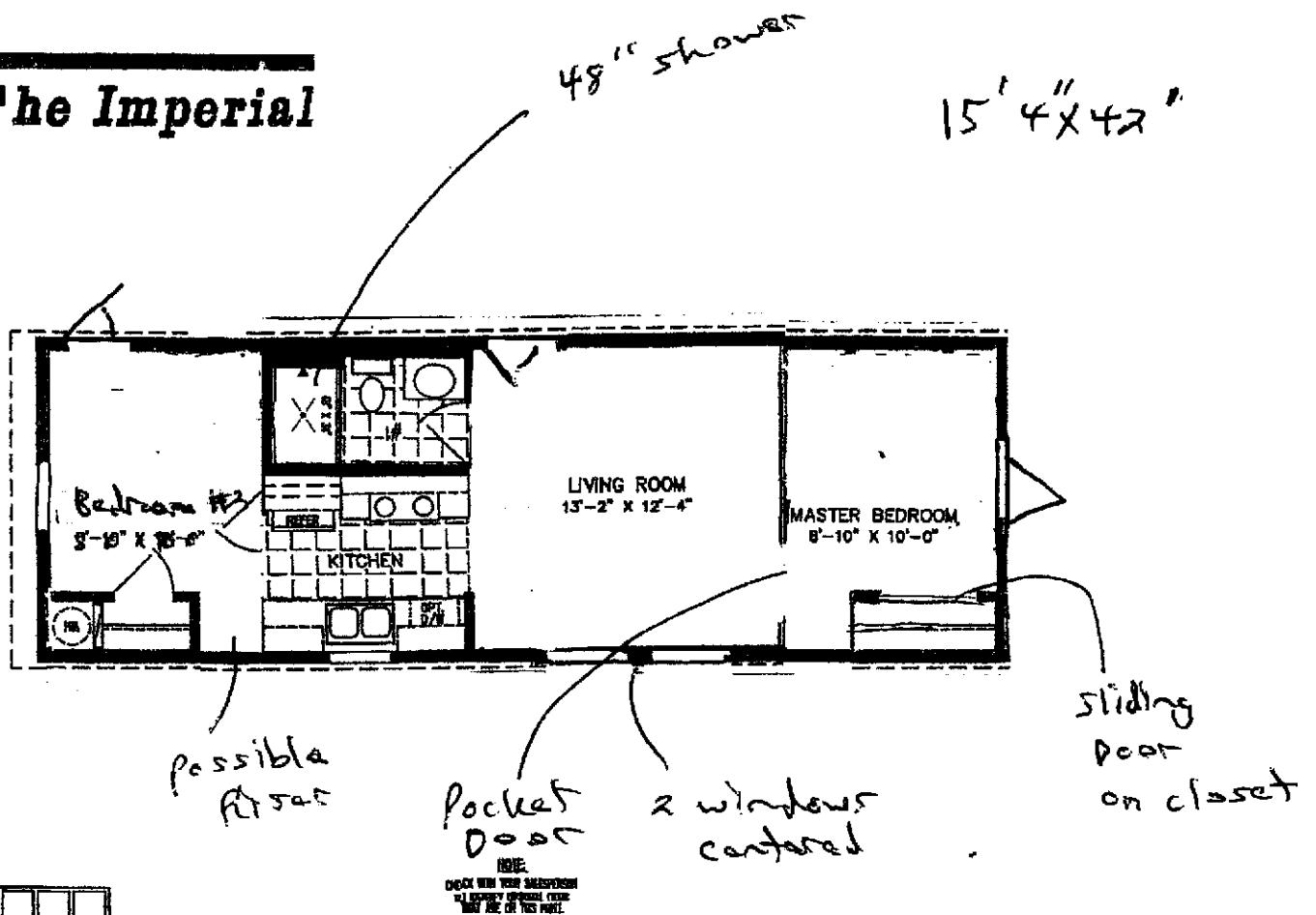
# SITE PLAN

6' 11" : 1" = 12'



STREET

# The Imperial



JACOBSEN  
HOMES

600 Packard Court ■ Safety Harbor, Florida 34695 ■ Telephone (727) 726-1138  
[www.jachomes.com/Floor-Plans](http://www.jachomes.com/Floor-Plans)

# Mobile Home Permit Worksheet

Application Number: \_\_\_\_\_

New Home     Used Home     Date: \_\_\_\_\_

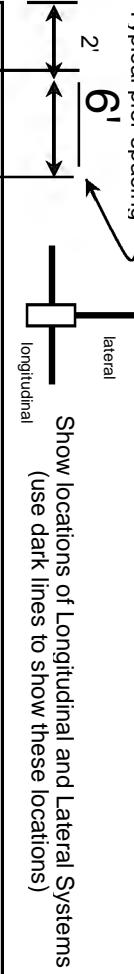
Installer: KENNETH KINNEY JR License # IH1126379  
 Address of home 1704 27TH AVE W, BRADENTON, FL 34205  
 being installed

Manufacturer JACOBSON Length x width 15'4"X42'

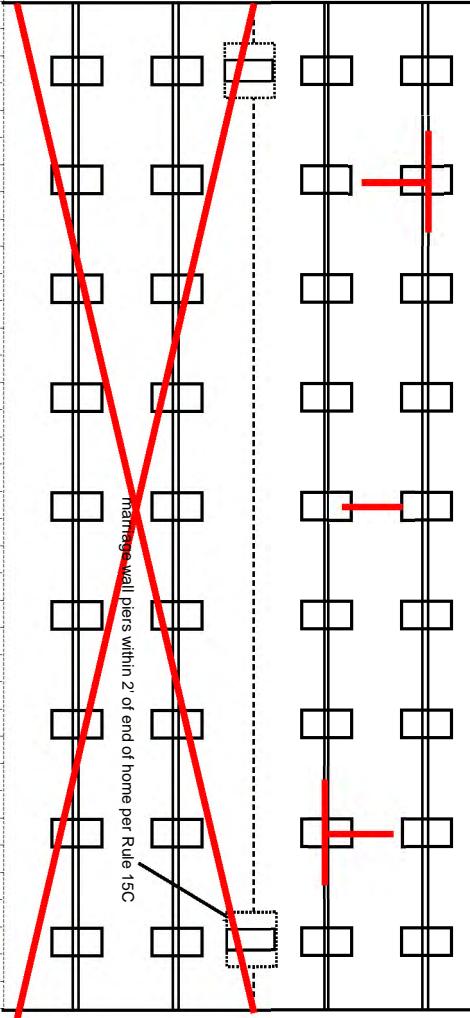
**NOTE:** *If home is a single wide fill out one half of the blocking plan*

I understand Lateral Arm Systems cannot be used on any home (new or used) where the sidewall ties exceed 5 ft 4 in.

Installer's initials KK



Show locations of Longitudinal and Lateral Systems  
(use dark lines to show these locations)



Load bearing capacity (sq in)	Footer size (256)	16" x 16"	18 1/2" x 18	20" x 20"	22" x 22"	24" X 24"	26" x 26"
		(256)	1/2" (342)	(400)	(484)*	(576)*	(676)
1000 psf	3"	4'	5'	6'	7'	8'	8'
1500 psf	4 1/6"	6'	7'	8'	8'	8'	8'
2000 psf	6"	8'	8'	8'	8'	8'	8'
2500 psf	7" 6"	8'	8'	8'	8'	8'	8'
3000 psf	8"	8'	8'	8'	8'	8'	8'
3500 psf	8"	8'	8'	8'	8'	8'	8'

\* interpolated from Rule 15C-1 pier spacing table.

## PIER PAD SIZES

I-beam pier pad size 17X22.5  
 Perimeter pier pad size 16X16

Other pier pad sizes  
(required by the mfg.)

Draw the approximate locations of marriage wall openings 4 foot or greater. Use this symbol to show the piers.

List all marriage wall openings greater than 4 foot and their pier pad sizes below.

## POPULAR PAD SIZES

Pad Size	Sq In
16x16	256
16x18	288
18.5x18.5	342
16x22.5	360
17x22	374
13 1/4 x 26 1/4	348
20 x 20	400
17 3/16 x 25 3/16	441
17 1/2 x 25 1/2	446
24 x 24	576
26 x 26	676

## ANCHORS

Opening 4 ft ✓ 5 ft

## FRAME TIES

within 2' of end of home  
spaced at 5' 4" OC

## TIEDOWN COMPONENTS

## OTHER TIES

Sidewall  
Longitudinal  
Marriage wall  
Shearwall

**Longitudinal Stabilizing Device (LSD)**  
 Manufacturer OLIVER SYSTEM

**Longitudinal Stabilizing Device w/ Lateral Arms**  
 Manufacturer OLIVER SYSTEM

# Mobile Home Permit Worksheet

Application Number: \_\_\_\_\_ Date: \_\_\_\_\_

## POCKET PENETROMETER TEST

The pocket penetrometer tests are rounded down to 1500 psf or check here to declare 1000 lb. soil \_\_\_\_\_ without testing.

1,500       1,500       1,500

## POCKET PENETROMETER TESTING METHOD

1. Test the perimeter of the home at 6 locations.
2. Take the reading at the depth of the footer.
3. Using 500 lb. increments, take the lowest reading and round down to that increment.

1,500       1,500       1,500

## TORQUE PROBE TEST

The results of the torque probe test is 280 inch pounds or check here if you are declaring 5' anchors without testing \_\_\_\_\_. A test showing 275 inch pounds or less will require 5 foot anchors.

**Note:** A state approved lateral arm system is being used and 4 ft. anchors are allowed at the sidewall locations. I understand 5 ft. anchors are required at all centerline tie points where the torque test reading is 275 or less and where the mobile home manufacturer may requires anchors with 4000 lb holding capacity.

\_\_\_\_\_  
Installer's initials

## ALL TESTS MUST BE PERFORMED BY A LICENSED INSTALLER

Installer Name

KENNETH KINNEY JR

Date Tested

\_\_\_\_\_  
Electrical

Connect electrical conductors between multi-wide units, but not to the main power source. This includes the bonding wire between multi-wide units. Pg. \_\_\_\_\_

\_\_\_\_\_  
Plumbing

Connect all sewer drains to an existing sewer tap or septic tank. Pg. \_\_\_\_\_  
Connect all potable water supply piping to an existing water meter, water tap, or other independent water supply systems. Pg. \_\_\_\_\_

## Site Preparation

Debris and organic material removed Yes

Water drainage: Natural \_\_\_\_\_ Swale \_\_\_\_\_ Pad  Other \_\_\_\_\_

## Fastening multi wide units

Floor: Type Fastener: \_\_\_\_\_ Length: \_\_\_\_\_ Spacing: \_\_\_\_\_  
Walls: Type Fastener: \_\_\_\_\_ Length: \_\_\_\_\_ Spacing: \_\_\_\_\_  
Roof: Type Fastener: \_\_\_\_\_ Length: \_\_\_\_\_ Spacing: \_\_\_\_\_  
For used homes a min. 30 gauge, 8" wide, galvanized metal strip will be centered over the peak of the roof and fastened with galv. roofing nails at 2" on center on both sides of the centerline.

## Gasket (weatherproofing requirement)

I understand a properly installed gasket is a requirement of all new and used homes and that condensation, mold, mildew and buckled marriage walls are a result of a poorly installed or no gasket being installed. I understand a strip of tape will not serve as a gasket.

Installer's initials \_\_\_\_\_

Type gasket \_\_\_\_\_  
Pg. \_\_\_\_\_

Installed:  
Between Floors Yes \_\_\_\_\_  
Between Walls Yes \_\_\_\_\_  
Bottom of ridgebeam Yes \_\_\_\_\_

## Weatherproofing

The bottomboard will be repainted and/or taped. Yes \_\_\_\_\_ Pg. \_\_\_\_\_  
Siding on units is installed to manufacturer's specifications. Yes \_\_\_\_\_  
Fireplace chimney installed so as not to allow intrusion of rain water. Yes \_\_\_\_\_

## Miscellaneous

Skirting to be installed. Yes \_\_\_\_\_ No \_\_\_\_\_  
Dryer vent installed outside of skirting. Yes \_\_\_\_\_ N/A \_\_\_\_\_  
Range downflow vent installed outside of skirting. Yes \_\_\_\_\_ N/A \_\_\_\_\_  
Drain lines supported at 4 foot intervals. Yes \_\_\_\_\_  
Electrical crossovers protected. Yes \_\_\_\_\_  
Other: \_\_\_\_\_

\_\_\_\_\_  
Electrical

**Installer verifies all information given with this permit worksheet  
is accurate and true based on the  
manufacturer's installation instructions and or Rule 15C-1 & 2**

Installer Signature \_\_\_\_\_ Date \_\_\_\_\_



## OLIVER TECHNOLOGIES, INC.

FLORIDA INSTALLATION INSTRUCTIONS FOR THE  
MODEL 1101 "V" SERIES ALL STEEL FOUNDATION SYSTEM

## MODEL 1101"V" (Steps 1-14)

LONGITUDINAL ONLY: Follow Steps 1-9

LATERAL ONLY: Follow Steps 1-3 and Steps 10-14

FOR CONCRETE APPLICATIONS: Follow Steps 15-18

ENGINEERS STAMP

ENGINEERS STAMP

1. SPECIAL CIRCUMSTANCES: If the following conditions occur - **STOP! Contact Oliver Technologies at 1-800-284-7437:**

- a) Pier height exceeds 48"
- c) Roof eaves exceed 16"
- e) Location is within 1500 feet of coast
- b) length of home exceeds 76'
- d) Sidewall height exceed 96"

INSTALLATION OF GROUND PAN

2. Remove weeds and debris in an approximate two foot square to expose firm soil for each ground pan (C).

3. Place ground pan (C) directly below chassis I-beam. Press or drive pan firmly into soil until flush or below soil then install pier per manufacturer's instructions or per Florida Regs.

**SPECIAL NOTE:** The longitudinal "V" brace system may also serve as a pier under the home and should be loaded as any other pier. It is recommended that after leveling piers, and one-third inch (1/3") before home is lowered completely on to piers, complete steps 4 through 9 below then remove jacks.

INSTALLATION OF LONGITUDINAL "V" BRACE SYSTEM (Model 1101 L "V")

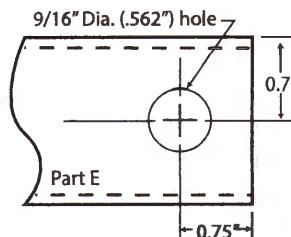
**NOTE:** WHEN INSTALLING THE LONGITUDINAL SYSTEM ONLY, A MINIMUM OF 2 SYSTEMS PER FLOOR SECTION IS REQUIRED. SOIL TEST PROBE SHOULD BE USED TO DETERMINE CORRECT TYPE OF ANCHOR PER SOIL CLASSIFICATION. IF PROBE TEST READINGS ARE BETWEEN 175 & 275 A 5 FOOT ANCHOR MUST BE USED. IF PROBE TEST READINGS ARE BETWEEN 276 & 350 A 4 FOOT ANCHOR MAY BE USED. USE GROUND ANCHORS WITH DIAGONAL TIES AND STABILIZER PLATES EVERY 5'4". VERTICAL TIES ARE ALSO REQUIRED ON HOMES SUPPLIED WITH VERTICAL TIE CONNECTION POINTS (PER FLORIDA REG.).

4. Choose one of the approved longitudinal tube installations; either Diagram A or B. Then select the correct square tube (E) length from the diagram for appropriate pier height at support location or cut and drill 1.5" square tube to achieve appropriate length.

PIER HEIGHT (40° Min. - 45° Max.)	1.25" Tube Length	1.50" Tube Length
--------------------------------------	----------------------	----------------------

7 3/4" to 25"	22"	18"
24 3/4" to 32 1/4"	32"	18"
33" to 41"	44"	18"
40" to 48"	54"	18"

Diagram A



PIER HEIGHT (40° Min. - 60° Max.)	1.50" Tube Length
--------------------------------------	----------------------

14" to 18"	20"
18" to 25"	28"
24" to 35"	39"
30" to 40"	44"
36" to 48"	54"

Diagram B

5. Install (2) of the 1.50" square tubes (E) into the "U" bracket (J), insert carriage bolt and leave nut loose for final adjustment.

6. Place I-beam connector (F) loosely on the bottom flange of the I-beam.

7. (For Diagram A installation) Slide the selected 1.25" tube (E) into a 1.50" tube (E) and attach to I-beam connectors (F) and fasten loosely with bolt and nut. (For Diagram B installation) Attach the selected 1.5" tubes (E) to the I-beam connectors (F) and fasten loosely with bolts and nuts.

8. Repeat steps 6 through 7 to create the "V" pattern of the square tubes loosely in place.

9. Using standard hand tools tighten all nuts and bolts. (For Diagram A installation only, secure 1.25" and 1.50" tubes using four(4) 1 1/4"-14 x 3/4" self-tapping screws in pre-drilled holes.)

INSTALLATION OF LATERAL TELESCOPING TRANSVERSE ARM SYSTEM (Model 1101 T "V")

THE MODEL 1101 "V" (LONGITUDINAL &amp; LATERAL PROTECTION) ELIMINATES THE NEED FOR STABILIZER PLATES &amp; FRAME TIES.

**NOTE:** THE USE OF THIS SYSTEM REQUIRES VERTICAL TIES SPACED AT 5'4".

FOUR FOOT (4') GROUND ANCHOR MAY BE USED EXCEPT WHERE THE HOME MANUFACTURER SPECIFIES DIFFERENT.

10. Install remaining vertical tie-down straps and 4' ground anchors per home manufacturer's instructions. NOTE: Centerline anchors to be sized according to soil torque condition. Any manufacturer's specifications for sidewall anchor loads in excess of 4,000 lbs. require a 5' anchor per Florida Code.
11. Select the correct square tube brace (H) length for set-up lateral transverse at support location. The lengths come in either 60" or 72" lengths. (With the 1.50" tube as the bottom tube, and the 1.25" tube as the inserted tube.)
12. Install the 1.50 transverse brace (H) to the ground pan connector (D) with bolt and nut.
13. Slide 1.25" transverse brace into the 1.50" brace and attach to adjacent I-beam connector (I) with bolt and nut.
14. Secure 1.50" transverse arm to 1.25" transverse arm using four (4) 1 1/4"-14 x 3/4" self-tapping screws in pre-drilled holes.



### INSTALLATION USING CONCRETE RUNNER/ FOOTER

15. A concrete runner, footer or slab may be used in place of the steel ground pan.
  - a) The concrete shall be minimum 2500 psi mix
  - b) A concrete runner may be either longitudinal or transverse, and must be a minimum of 8' deep with a minimum width of 16 inches longitudinally or 18 inches transverse to allow proper distance between the concrete bolt and the edge of the concrete (see below).
  - c) Footers must have minimum surface area of 441 sq. in. (i.e. 21" square), and must be a minimum of 8' deep.
  - d) If a full slab is used, the depth must be a 4" minimum. Special inspection of the system bracket installation is not required. Footers must allow for at least 4" from the concrete bolt to the edge of the concrete.

**NOTE:** The bottom of all footings, pads, slabs and runners must be per local jurisdiction.

#### LONGITUDINAL: (Model 1101 LC "V")

16. When using Part# 1101-W-CPCA (wetset) simply install the bracket in runner/footer **OR** When installing in cured concrete use Part# 101-D-CPCA (dryset). The 1101 (dryset) CA bracket is attached to the concrete using (2) S/8"x3" concrete wedge bolts (Simpson part# S162300H 5/8" X 3' or Powers equivalent). Place the CA bracket in desired location. Mark bolt hole locations, then using a 5/8" diameter masonry bit, drill a hole to a minimum depth of 3'. Make sure all dust and concrete is blown out of the holes. Place wedge bolts into drilled holes, then place 1101 (dry set) CA bracket onto wedge bolts and start wedge bolt nuts. Take a hammer and lightly drive the wedge bolts down by hitting the nut (making sure not to hit the top of threads on bolt). The sleeve of concrete wedge bolt needs to be at or below the top of concrete. Complete by tightening nuts.

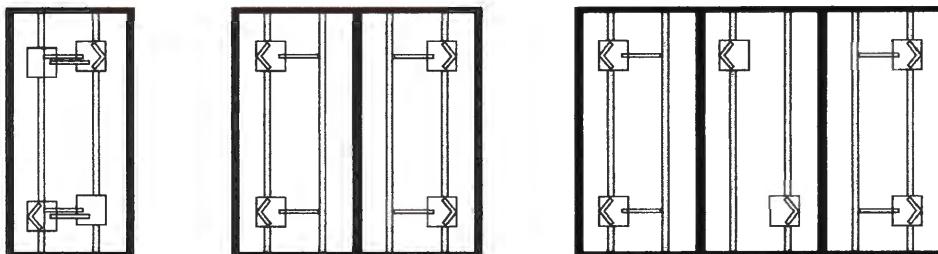
#### LATERAL: (Model 1101 TC "V")

17. For wet set (part# 1101-W-TACA) installation simply install the anchor bolt into runner/footer. For dry set installation (part# 1101-D-TACA) mark bolt hole locations, then using a 5/8" diam. masonry bit. drill a hole to a minimum depth of 3'. Make sure all dust and concrete is blown out of the hole. Place wedge bolts (Simpson part #5162300H 5/8" X 3' or Powers equivalent) into (D) concrete dry transverse connector and into drilled hole. If needed, take a hammer and lightly drive the wedge bolts down by hitting the nut (making sure not to hit the top of threads on bolt), then remove the nut. The sleeve of concrete wedge bolt needs to be at or below the top of concrete.
18. When using part# 1101 CVW (wetset) or 1101 CVD (dryset), install per steps 17 & 18.

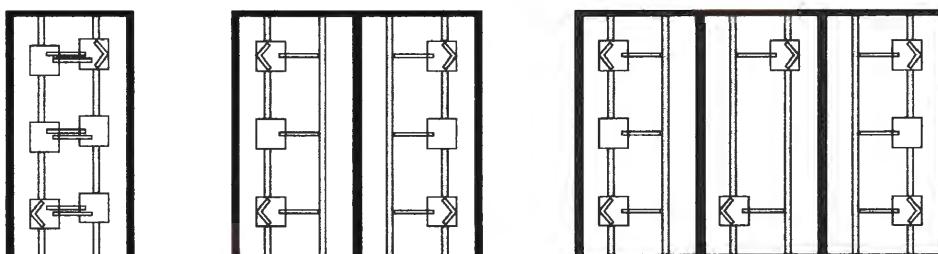
**Notes:**

- 1 **LENGTH OF HOUSE IS THE ACTUAL BOX SIZE**
- 2 **0 == LOCATION OF TRANSVERSE BRACING ONLY**
- 3 **[ ] =LOCATION OF LONGITUDINAL BRACING ONLY**
4. **[3]= =TRANSVERSE AND LONGITUDINAL LOCATIONS**

ALL WIDTHS AND LENGTHS UP TO 52'

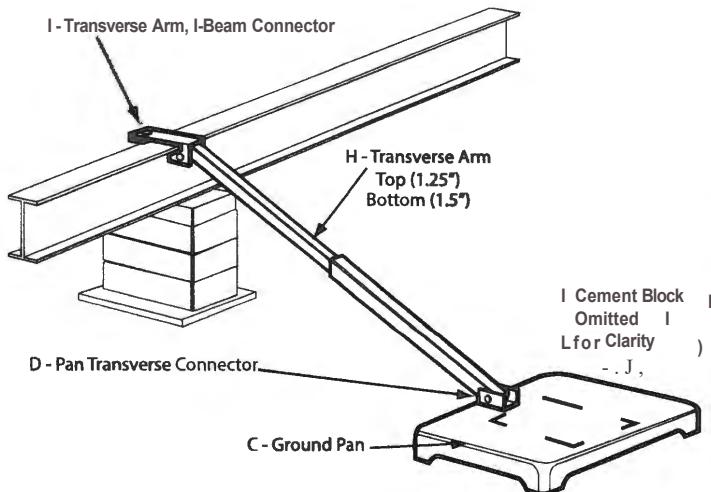


ALL WIDTHS AND LENGTHS OVER 52' TO 80'

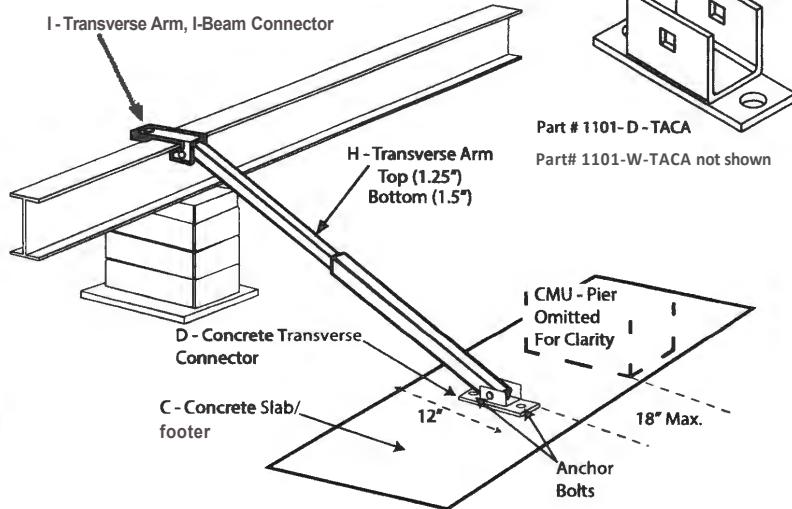


HOMES WITH 5/12 ROOF PITCH REQUIRE: PER FLORIDA REGULATIONS

6 systems for home lengths up to 52' and 8 systems for homes over 52' and up 80'.



Model # 1101 T "V"



Model # 1101 TC "V"

Florida approved 4' ground anchors may be used in all locations except where home manufacturers specifications for sidewall straps are in excess of 4,000 lbs. These locations require a 5' anchor. Per Florida code.

C = GROUND PAN / CONCRETE FOOTER OR RUNNER

D = GROUND PAN/ CONCRETE U BRACKETS TRANSVERSE CONNECTOR (connects with grade 5 -1/2"x 1" 1/2" carriage bolt and nut)

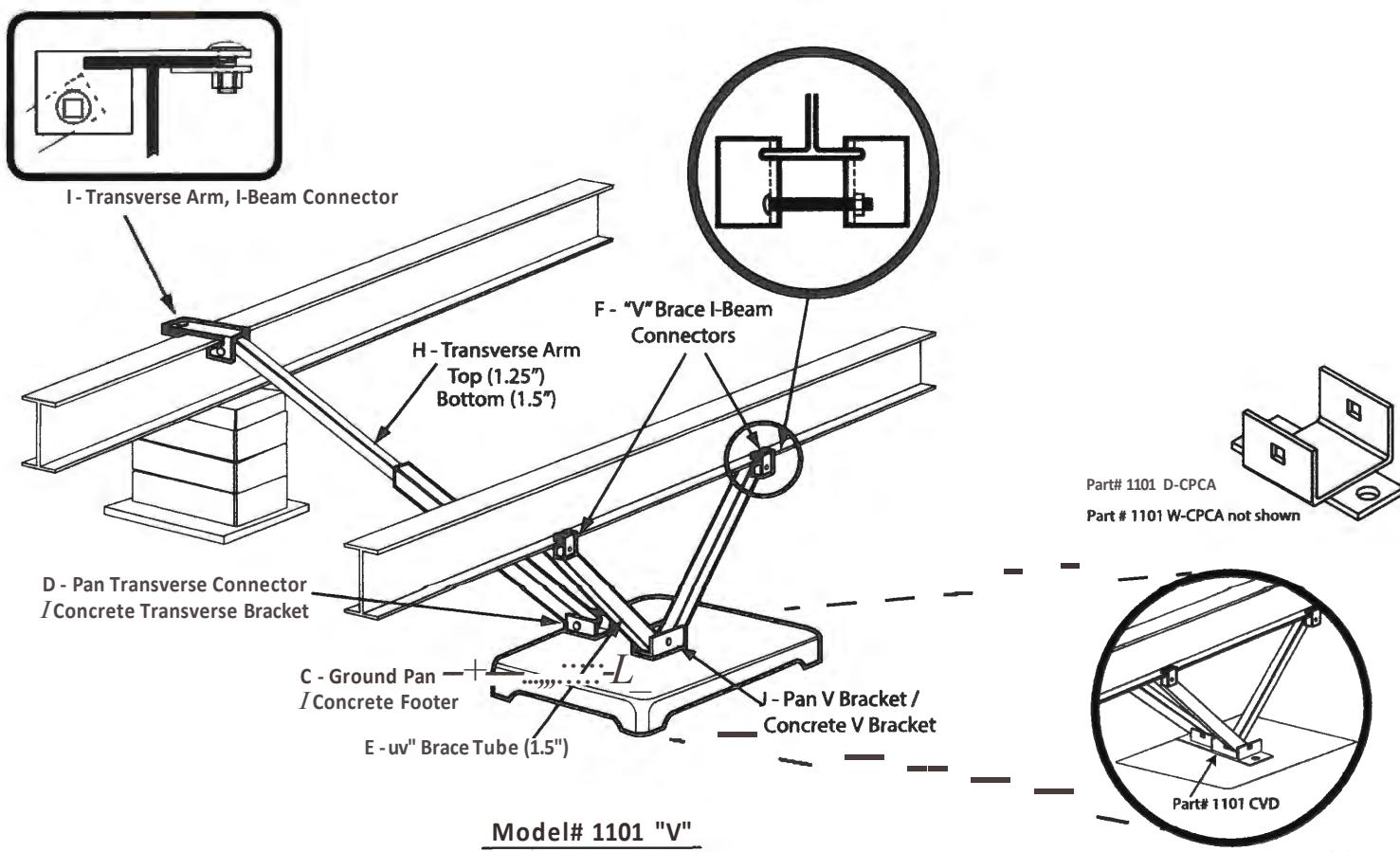
E = TELESCOPING V BRACE TUBE ASSEMBLY (1.5" TUBE BOTTOM AND 1.25" TUBE INSERT) OR 1.5" TUBE

F = "V" BRACE I-BEAM CONNECTOR ASSEMBLY

H = TELESCOPING TRANSVERSE ARM ASSEMBLY

I = TRANSVERSE ARM I-BEAM CONNECTOR (connects with grade 5 - 1/2"x 2" 1/2" carriage bolt and nut)

J = V PAN BRACKET (connects with grade 5 - 1/2"x 1" 1/2" carriage bolt and nut)



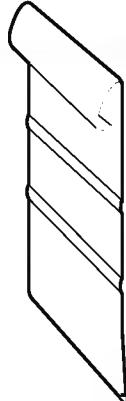
Model# 1101 "V"

Model # 1101 C IV"

# Vinyl Skirting Installations

## Installation Details

Careful attention to a few basic details will insure that your vinyl skirting will provide a beautiful, easily installed, completely accessible exterior with a minimum of maintenance. Vinyl skirting is easily installed over any terrain, requires no special tools and never needs painting. Following these basic installation techniques will assure that our skirting will contribute to the beauty of your home's exterior.



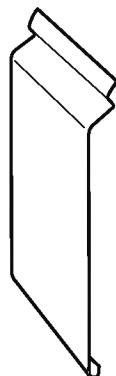
Top Trim Back Component

## Tools you will need

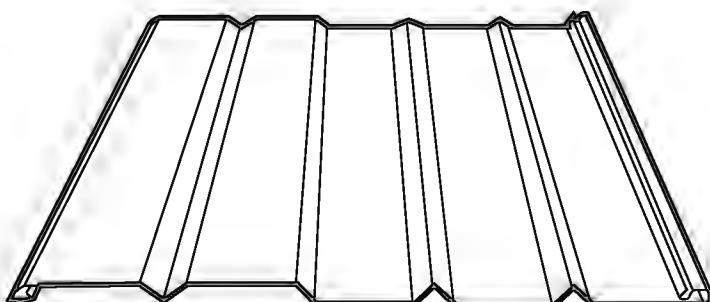
Hammer • Screwdriver • Snips • Plumb Bob or Level • Tape Measure  
Power Saw with Fine Tooth Blade • Snap Lock Tool • Chalk Line  
• Utility Knife

## Important

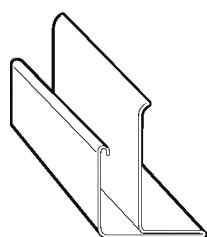
- 1) Use either a power saw with a fine tooth blade mounted with reverse rotation, or aviation snips to cut skirting components.
- 2) To allow for normal expansion and contraction, fasten the Top Trim Back component(s) in the center of the nailing slots. Fasten positively to the surface of the unit at every slotted hole, leaving 1/2" between lengths. **Do not butt the ends.** Overlap the Top Trim Front component(s) approximately 1" at joints. Allow 1/2" between pieces of the Bottom Channel component(s) when installing.
- 3) **Do not drive the fasteners too tightly.** Nails or screws offer excellent holding power, but if driven too tightly, the vinyl can, under normal expansion and contraction, become distorted. These fasteners should be driven in the middle of the nailing slot just short of touching the Top Trim Back component(s). Nail or screw to achieve 3/4" penetration into a solid wood substance. Fasten to allow part to expand and contract during the normal change in ambient temperature. **Do not fasten tight.** Allow 1/16" gap between fastener head and part.



Top Trim Front Component



Skirting Panel



Bottom Channel Component

# Vinyl Skirting Installations

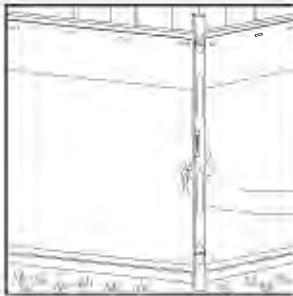


Figure 1

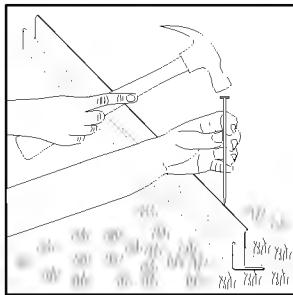


Figure 2

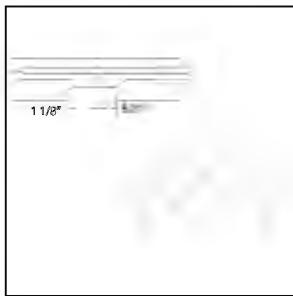


Figure 3

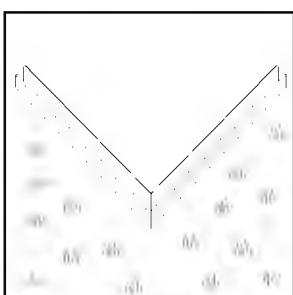


Figure 4

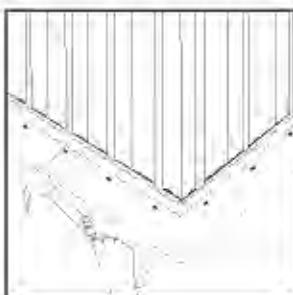


Figure 5

## Step 1...

### Laying the Bottom Channel Components

A level or plumb line should be used to establish the location of the Bottom Channel. The taller backside of the Bottom Channel should be located directly beneath the outside bottom edge of the home, where the Top Trim Back component will be attached (*see figure 1*). To prevent grass from growing around the base of the skirting and provide a non-shifting base for the ground spikes, 9" asphalt roof starter should be installed around the home. The roof starter also reduces the possibility of the vinyl skirting panels being damaged from the use of a powered string trimmer. "Weed-Eater" type trim units will damage the skirting and is not covered by the warranty.

Attach the Bottom Channel component directly to the ground through the prepunched holes (*see figure 2*). Spikes are required every 24 inches...extra holes are provided in the Bottom Channel component for convenience. Another spike or a drift punch may be used to drive spikes in completely. To allow for expansion, leave a 1/2" gap between each section of the Bottom Channel component. To form clean, attractive corners, the Bottom Channel component can be notched with snips (*see figure 3*) and then bent to the desired angle. (*Attached to the ground as shown in figure 4*).

**Note:** in high wind areas; where ground below the unit is spongy; or where ground is loose from recent excavation and has not yet settled, it is advisable to fasten bottom channel to treated wooden stakes. For installation on concrete, use 3/4" masonry nail instead of ground spike. "Liquid Nail" cement or other similar methods of setting a fastener directly to concrete can also be used.

## Step 2...

### Mounting Top Trim Back Components

First determine where the Top Trim Back component(s) will mount on the lower part of the home. The bottom edge of the Top Trim Back component can extend below the bottom edge of the home if there is a solid support for nailing and a solid bearing for the Top Trim Front component against the side of the home. It is helpful to mark a line around the bottom of the home with a chalk line or other method to assure a straight line where the Top Trim Back component is to be installed.

The Top Trim Back component is installed by driving the fasteners in the middle of every slot (*see figure 5*). ***Do not fasten tightly!*** (see fastening instructions on front page.) ***Do not cut Top Trim Back components at the corners.*** Gently bend over a sharp edge of a cutting table or a similar surface to form a corner (*see figure 6*).

If the installation is made in extremely cold weather, the vinyl should be warmed to room temperature before bending. Warming will avoid the likelihood of cracking.

## Step 3...

### Cutting Top Trim Back Components

The Top Trim Back component is constructed with two parallel ridges at intervals below the nailing slots (see figure 7). These ridges may be used to measure the distance from the ground to the lower ridge. In cold weather, measure to the top ridge; In warm weather, measure to the bottom ridge. If the ground is level, several panels may be cut at one time using a hand power saw. **Remember, if a power saw is to be used, mount a fine-toothed blade in reverse position (see figure 8).**

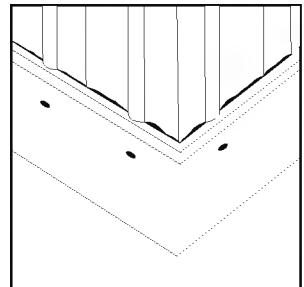


Figure 6

### Locking the Skirting Panels

A snap lock tool is used to punch locking tabs on the outside bottom edge of each skirting panel (see figure 9). When the panel is installed, it becomes locked in the Bottom Channel component. This feature assures retention of the panel in the Bottom Channel.

**Note:** When installing in a high wind area, you may also punch locking tabs at the top of the panel for added locking strength.

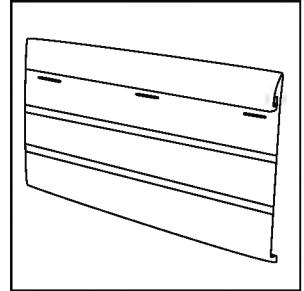


Figure 7

Self-aligning panels easily snap and slide into place (see figure 10). Be certain that each skirting panel positively interlocks with the skirting panel adjoining it.

**Note:** (above 36" panel height, a framing support system should be considered.)

### Installing the Skirting Panels

Panel can be installed by setting into the Bottom Channel and leaning against the top trim back. Lock the next panel as shown in figure 10. Panels should not be cut but bent around corners as shown in figure 11.

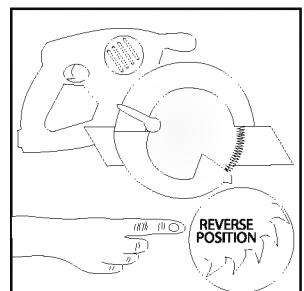


Figure 8

### Fitting Skirting Panels Around Service Connections

Cutting and fitting to virtually any shape or radius is easily done with Vinyl Skirting. Using aviation snips, cut the panel to fit around the connection. Cut the panel from the side – **not from the top or bottom**. Keep snip points open as if cutting cloth to avoid cracking panels.

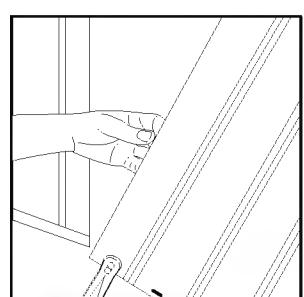


Figure 9

### CAUTION

Proper installation of manufactured home skirting requires that the Top Back component be fastened loosely so the panel will slide freely in the nail slots. This can be accomplished by leaving the fastener 1/16" to 1/8" from the face of the panel. The fastener must penetrate a solid surface by 3/4".

*Do not place outdoor cookers near the vinyl skirting because the heat will distort the panels. Any heat source must be kept away from the panels or damage may occur.*



Figure 11

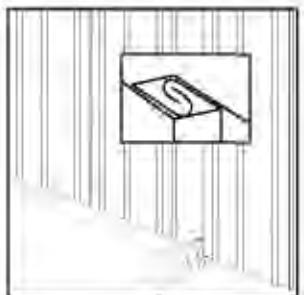


Figure 10

# Vinyl Skirting Installations

## Step 4...

### Installing the Top Trim Front Component

The Top Trim Front component(s) installs easily by snapping the top edge of its spring lock into the installed Top Trim Back component. Be sure to push the Top Trim Front component all the way into the Top Trim Back component **until it “snaps” into place**.

Each of the 15 pieces of the Top Trim Front components in the trim kit are notched 2" on one end (*see figure 12*) to permit overlapping. Overlap ends of adjoining Top Trim Front component(s) approximately 1".

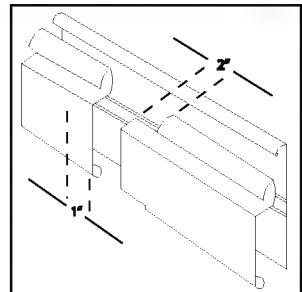


Figure 12

### Cutting Additional Corners

If inside corners are needed, trim strips can be easily cut with aviation snips to form attractive corner joints by cutting a 45° mitre on adjacent ends and butting. If extra outside corners are required (for porches or add-on rooms), notch the trim strips as shown (*see figure 13*), bend around the corner and snap into place. Allow at least 3' of trim strip on each side of the corner.

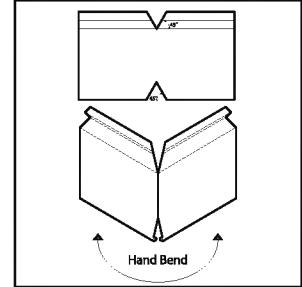
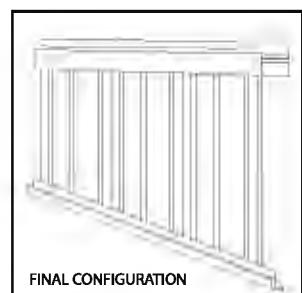


Figure 13

### Easy Access

Access can be gained at virtually any point by simply lifting the Top Trim Front component and sliding out the desired number of panels. Accessibility to the area under the unit is available whenever desired.



FINAL CONFIGURATION

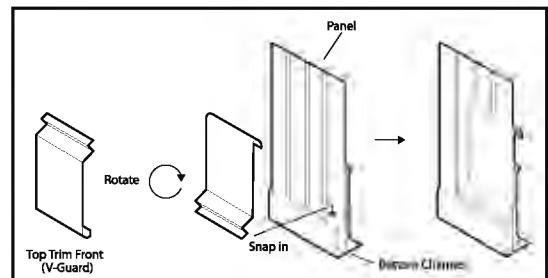


Figure 14

### V-Guard Installation - (if applicable)

#### Installing the V-Guard Component

V-Guard Vinyl Skirting Protector component(s) installs easily by snapping the bottom edge of its spring lock into the Bottom Channel component. Be sure to push the V-Guard trim all the way into the Bottom Channel component **until it “snaps” into place**. (*see figure 14*)



### Cutting additional corners

If inside corners are needed, V-Guard trim can be easily cut with aviation snips to form attractive corner joints by cutting a 45° mitre on adjacent ends and butting. If extra outside corners are required (for porches or add-on rooms), notch the V-Guard trim component, bend around the corner and snap into place. Allow at least 3" of V-Guard component trim on each side of the corner.



In accordance with ACCA Manual J

**Report Prepared By:****For:****Design Conditions:** West Pam Beach**Indoor:**

Summer temperature: 70  
 Winter temperature: 70  
 Relative humidity: 55

**Outdoor:**

Summer temperature: 90  
 Winter temperature: 42  
 Summer grains of moisture: 127  
 Daily temperature range: Medium

<b>Building Component</b>	<b>Sensible Gain (BTUH)</b>	<b>Latent Gain (BTUH)</b>	<b>Total Heat Gain (BTUH)</b>	<b>Total Heat Loss (BTUH)</b>
Duct	711	0	711	719
Floors	1,048	0	1,048	1,864
Walls	1,376	0	1,376	1,632
Ceilings	1,977	0	1,977	1,538
People	1,200	920	2,120	0
Fireplaces	0	0	0	0
Misc	1,200	0	1,200	0
Windows	4,317	0	4,317	1,568
Doors	483	0	483	573
Glassdoors	766	0	766	891
Skylights	0	0	0	0
Infiltration	1,858	3,848	5,706	6,305
<b>Whole House</b>	<b>14,936</b>	<b>4,768</b>	<b>19,704</b> <b>( 1.5 tons )</b>	<b>15,090</b>

## OVERHEAD/UNDERGROUND ELECTRIC SERVICE DIAGRAM

20' POLE

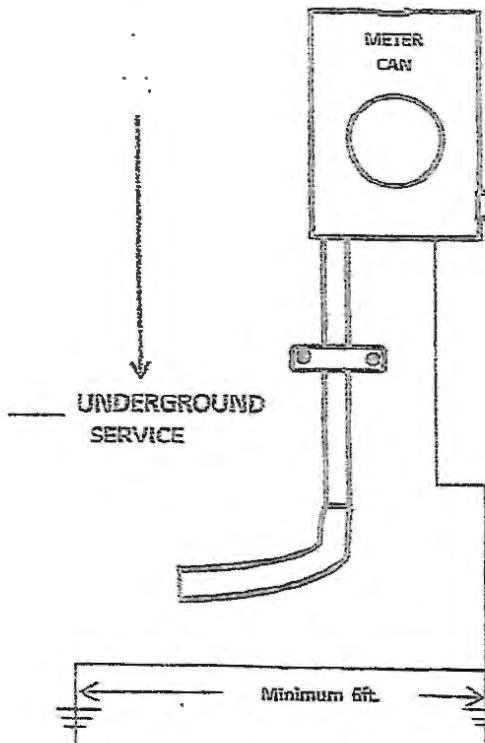
SERVICE AMPERAGE 150 AMPS

Service Wire Type (AL/CU) Aluminum

Service Conductor Size 2/0

Conduit Type PVC

Conduit Size 2"



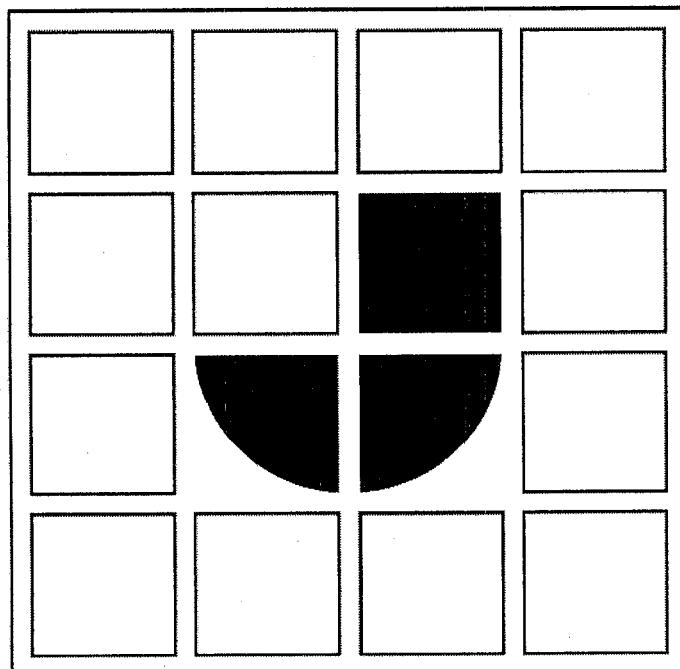
Ground Wire Type # 4 Bare

Ground Conductor Size # 4

5/8

Ground Rod Size/Type Galvanized

# SET-UP MANUAL



JACOBSEN  
HOMES

600 PACKARD COURT  
SAFETY HARBOR, FLORIDA 34695  
(727) 726-1138

## NOTICE

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## MANUFACTURED HOME SET-UP

- \*SITE PREPARATION
  - (A.) BLOCKING
  - (B.) LEVELING
  - (C.) ASSEMBLY AND CLOSE-UP
- \*TIEDOWNS (SEE SET-UP MANUAL ADDENDUM)
- \*ELECTRICAL CONNECTIONS
- \*PLUMBING CONNECTIONS
- \*A.C. CONNECTIONS
- \*ON SITE VENT CONNECTIONS
- \*MISCELLANEOUS DETAILS

### SITE PREPARATION

IF YOU ARE GOING TO LIVE IN A PARK, YOUR HOME SITE WILL BE READY OR BE PREPARED FOR YOUR HOME. IF YOU INTEND TO INSTALL YOUR HOME ON YOUR OWN LOT (NOT IN A PARK), SOME SITE PREPARATION WILL BE NECESSARY.

ALL DRAINAGE (AT THE INSTALLATION SITE) MUST BE DIVERTED AWAY FROM THE HOME AND MUST SLOPE A MINIMUM OF 1/2" PER FOOT AWAY FROM THE FOUNDATION OR SKIRTING FOR THE FIRST 10'.

THE SITE MUST BE GRADED TO PROVIDE FOR STORM RUN-OFF. SPECIAL CARE MUST BE TAKEN WITH THE AREA DIRECTLY BELOW YOUR HOME TO PREVENT WATER FROM PONDING AND/OR PUDDLING UNDER YOUR HOME AND SUPPORTS. IF THE SPACE UNDER THE HOME IS TO BE ENCLOSED WITH SKIRTING OR OTHER MATERIALS, A VAPOR RETARDER (I.E. POLY...) MUST BE INSTALLED TO COVER THE GROUND UNDER THE HOME (SHALL BE 6 MIL. AND ALL SEAMS TO OVERLAP 12" MIN.).

REPAIR ANY TEARS OR VOIDS IN THE RETARDER BY PATCHING WITH LIKE MATERIAL, MAINTAINING A MINIMUM 12" OVERLAP AND SEALING JOINTS WITH DUCT TAPE OR MASTIC.

PIER SUPPORTS MUST BE PLACED ON UNDISTURBED SOIL (ALL GRASS AND ORGANIC MATERIAL MUST BE REMOVED) OR FILL WHICH IS COMPACTED OR FULLY SETTLED (SEE SU-4.1, DETAIL 'A' AND DETAIL 'B'). IN AREAS THAT ARE SUSCEPTIBLE TO FROST, PIER SUPPORTS MUST BE BELOW THE FROST LINE.

OPTIONAL: PIERS MAY BE PLACED ON CONCRETE RIBBONS  
6" X 16" X LENGTH OF HOME MINUS 18",  
REINFORCED WITH WELDED WIRE MESH.

### (A.) BLOCKING

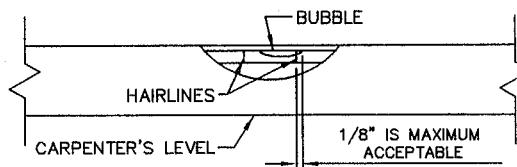
UNLIKE A STANDARD HOUSE, YOUR MANUFACTURED HOUSE DOES NOT NEED A FOUNDATION TO SUPPORT IT COMPLETELY AROUND ITS PERIMETER. THE STEEL FRAME OR CHASSIS USED FOR TRANSPORTATION ALSO SUPPORTS THE HOME AT ITS HOME SITE. THE STEEL FRAME MUST BE SUPPORTED (SEE SU-01-0003 & 0004) TO PREVENT YOUR HOME FROM SAGGING, AND TO KEEP IT LEVEL. NOTE: ADDITIONAL PIERS ARE REQUIRED AT ALL RIDGE BEAM SUPPORT COLUMNS (EXCEPT AT THE FRAME HEADER), SHEARWALLS, AND AROUND THE PERIMETER OF YOUR HOME. CHECK FOR THE APPROPRIATE DETAILS FOUND IN THIS AND THE SET-UP MANUAL ADDENDUM FOR SPECIFICS FOR EACH TYPE OF ADDITIONAL BLOCKING REQUIRED. SPECIFIC BLOCKING LABELS ARE FOUND ON THE EXTERIOR SIDES OF YOUR HOME.

MAXIMUM HEIGHT OF A PIER IS DETERMINED BY THE TYPE OF PIER USED, CHECK THE APPROPRIATE DETAILS FOR THE PROPER CONSTRUCTION OF EACH DIFFERENT TYPE OF PIER. (ALSO SEE TIE-DOWN REQUIREMENTS TO DETERMINE MAXIMUM HEIGHT FROM GROUND.)

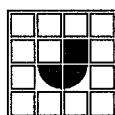
ALL SUPPORTING STRUCTURES NOT LISTED OR SHOWN IN THIS MANUAL OR SET-UP MANUAL ADDENDUM MUST BE APPROVED BY A REGISTERED PROFESSIONAL ENGINEER.

### (B.) LEVELING

PROPER BLOCKING SEQUENCE IS ESSENTIAL IN THE LEVELING OF YOUR HOME. (SEE BLOCKING DETAILS ON SU-01-0002, 0003, & 0004) FOR THE RECOMMENDED BLOCKING SEQUENCE, TAKING CARE TO CHECK YOUR LEVEL BETWEEN EACH STEP AND SUPPORT. RECOMMENDED LEVEL IS A 48" CARPENTER'S LEVEL. (SEE ACCEPTABLE LEVELING GUIDE BELOW)



SPECIAL NOTE FOR ALL HOMES SET IN FLORIDA  
CHECK FLORIDA STATUTE 15C FOR ANY LIMITATIONS THAT MAY AFFECT THESE INSTRUCTIONS.



JACOBSEN HOMES

P.O. BOX 368  
SAFETY HARBOR, FLORIDA 34695  
PHONE (727) 726-1138

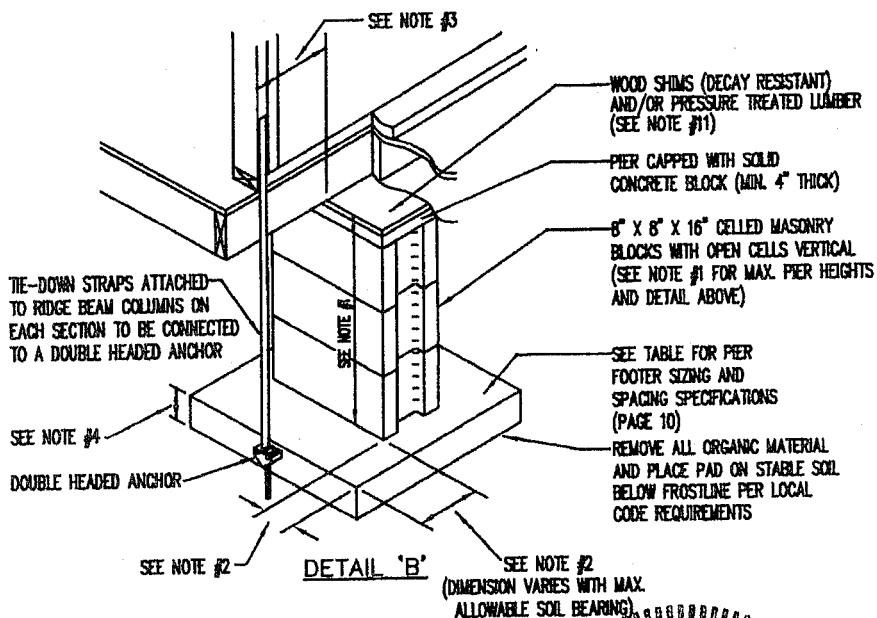
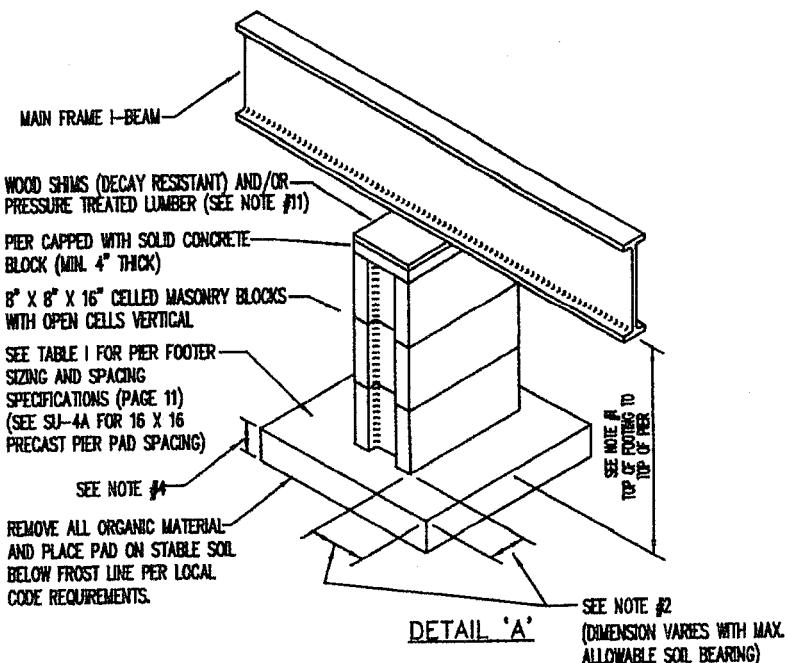
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DRAWING TITLE:	MANUFACTURED HOME SET-UP			
DRAWING NUMBER:	SU-01-0001			

B

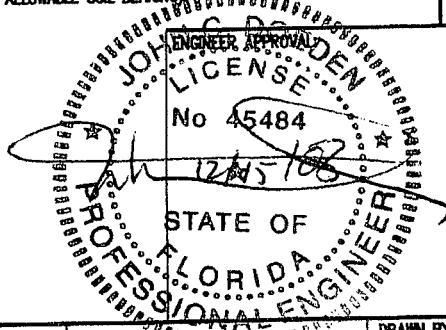
(10-08-08)

## DETAILS "A" AND "B"



### NOTES:

1. 36" MAX. SINGLE STACKED FOR HOLLOW BLOCKS AT I-BEAMS.  
54" MAX. PIER BLOCK DRY STACKED AT PERIMETER & MATING LINE.  
(PIER SYSTEMS ANY TALLER MUST BE APPROVED BY A LICENSED ARCHITECT OR ENGINEER)
2. MAXIMUM PIER/PAD PROJECTION:  
SEE OTHER DETAILS
3. ALL PIERS MUST BE CENTERED ON FOOTERS MUST BE WITHIN 1/2" OF PLUMB PER 3285 STANDARDS.
4. MARRIAGE WALL OPENING PIERS TO BE WITHIN 6" OF OPENING ON EITHER SIDE OF COLUMN.  
(WHEN REQUIRED FOOTER SIZE PREVENTS A SINGLE STACKED PIER FROM MEETING THIS, USE A DOUBLE STACKED PIER. GOOD UP TO 28 X 28 FOOTER.)
5. MINIMUM PIER PAD THICKNESS:  
A. 4" MIN. FOR PRECAST UNITS UP TO 16" X 16"  
B. FOR CAST IN PLACE FOOTINGS ON 2000 PSF SOIL (MAX.) THE MIN. THICKNESS IS MAX. FOOTING DIMENSION DIVIDED BY 4. (BUT NOT LESS THAN 6")
6. ALL FOOTING CONCRETE TO HAVE COMPRESSIVE STRENGTH.  
( $f_c$ ) = 3000 PSI (MIN.)
7. PLACE 6 MIL POLY ON GROUND PRIOR TO POURING FOOTING CONCRETE.  
(ALL SEAMS TO OVERLAP 12" MIN.)
8. PIERS SUPPORTING THE I-BEAMS TO BE WITHIN 24" OF BOTH ENDS AND NO MORE THAN 10' O.C.
9. PIERS MAY BE OFFSET UP TO 6" IN EITHER DIRECTION ALONG THE I-BEAMS TO ALLOW FOR PLUMBING, ELECTRICAL, ETC.
10. FOOTING CONSTRUCTION MUST COMPLY WITH LOCAL BUILDING CODES.
11. WOOD SHIMS, WHEN REQUIRED ARE TO BE USED IN PAIRS INSTALLED IN OPPOSITE DIRECTIONS AND FITTED TIGHT BETWEEN THE I-BEAM AND PIER CAP. SHIMS MUST BE MIN. 4" LONG BY 6" WIDE AND NO MORE THAN 1" IN THICKNESS.



DAPIA APPROVAL:

APPROVED BY  
**NA INC.**  
Revised  
Dec 17, 2008  
FEDERAL MANUFACTURED HOME  
CONSTRUCTION AND SAFETY STANDARDS



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DRAWN BY:	O.A.	DATE:	09-07-93	REV. LETTER:
DRAWING TITLE:	DETAILS "A" & "B"			
DRAWING NUMBER:	SU-01-0001.1 (12-15-08)			

## MOBILE HOME SET-UP

### NOTES:

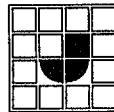
1. JACKS TO BE RATED AT 5 TONS.
2. ALWAYS USE A SUPPORT UNDER JACKS.
3. FOLLOW BLOCKING INSTRUCTIONS.
4. FOR MULTIPLE WIDES SET HEAVY SECTION FIRST.

### BLOCKING SEQUENCE

1. LOCATE HOME ON SITE AND LEVEL AS CLOSE AS POSSIBLE USING HITCH JACK.
2. SET SUPPORTS (BLOCKS #1) UNDER BOTH I-BEAMS JUST FORWARD OF THE FRONT SPRING HANGERS.
3. SET SUPPORTS (BLOCKS #2) UNDER BOTH I-BEAMS JUST BEHIND THE REAR SPRING HANGERS.
4. LOCATE SUPPORTS (BLOCKS #3) MAXIMUM 24" BEHIND THE FRONT CROSMEMBER.
5. LOCATE SUPPORTS (BLOCKS #4) MAXIMUM 24" FROM THE END OF THE HOME.
6. ADDITIONAL SUPPORTS (BLOCKS #5) MAY BE NECESSARY BETWEEN 1 & 3 AND 2 & 4, IF THEY ARE NEEDED THEY SHOULD BE SPACED EQUALLY, MAXIMUM SPACING 10'-0".
7. IF YOUR HOME HAS 4 AXLES ADD BLOCKING BETWEEN THE MIDDLE SET OF AXLES.
8. FOR SINGLE WIDES BLOCKING IS COMPLETE.
9. FOR MULTIPLE WIDES REMOVE ALL SHIPPING BATTENS AND VISQUEEN AND SET LIGHT SECTION(S) AS CLOSE AS POSSIBLE TO THE ALREADY SET HEAVY SECTION.
10. JACK THE LIGHT SECTION(S) TO THE HEAVY SECTION USING JACKS AND COME-ALONGS.
11. FOLLOW BLOCKING SEQUENCES 1 THRU 7.

### NOTES:

1. THESE FOUNDATION SPECIFICATIONS HAVE NOT BEEN DESIGNED FOR FLOOD-RESISTANT SPECIFICATIONS.
2. PERIODIC RELEVELING MAY BE NECESSARY BECAUSE OF THE WEIGHT OF THE HOME AND SETTLING THAT MAY OCCUR.



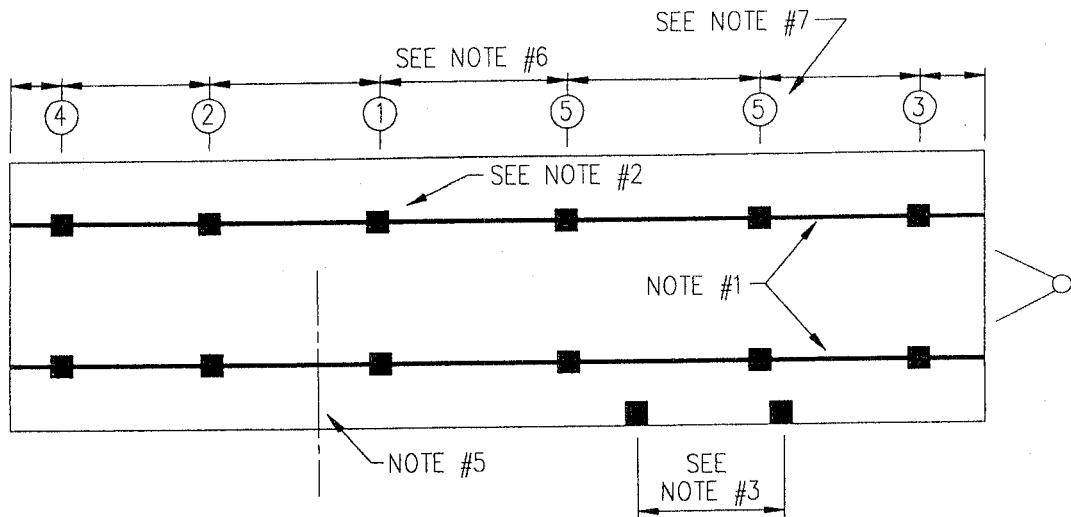
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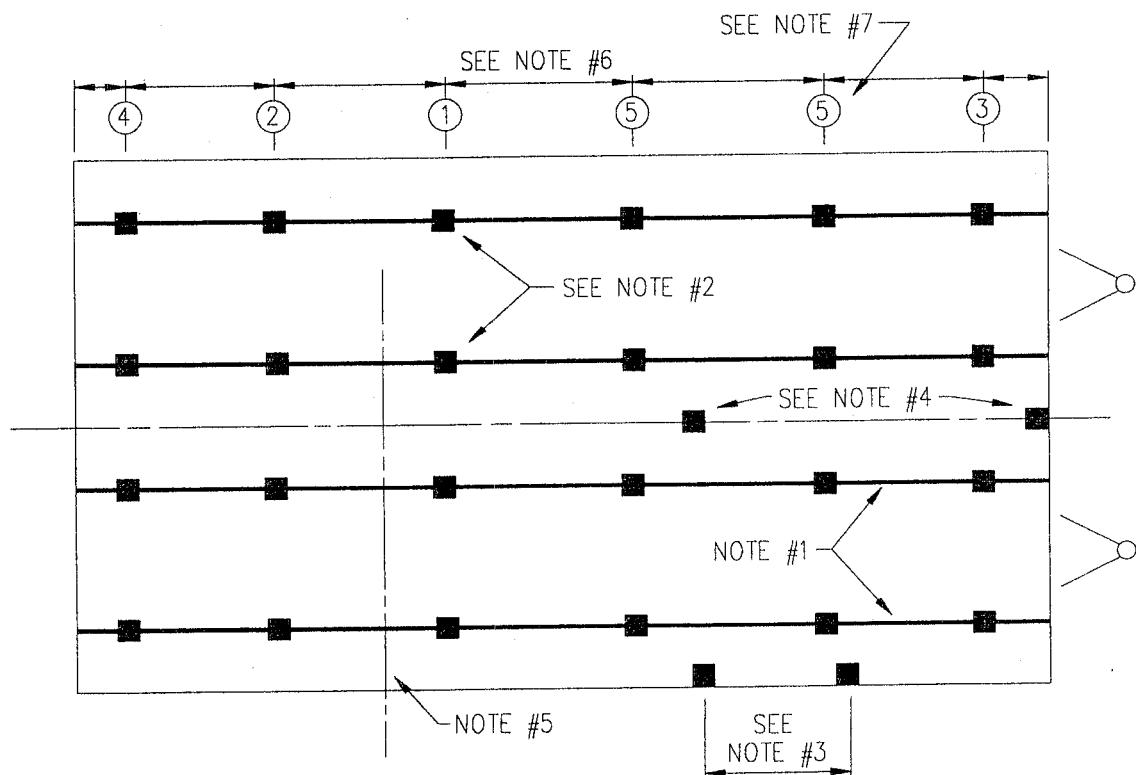
DRAWN BY: O.A. | DATE: 06-06-94  
DRAWING TITLE: MOBILE HOME SET-UP #2  
DRAWING NUMBER: SU-01-0002

REV. LETTER: A  
(09-30-08)



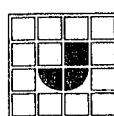
### TYPICAL SINGLE WIDE BLOCKING

(SEE SU-01-0004 FOR NOTES)



### TYPICAL DOUBLE WIDE BLOCKING

(SEE SU-01-0004 FOR NOTES)



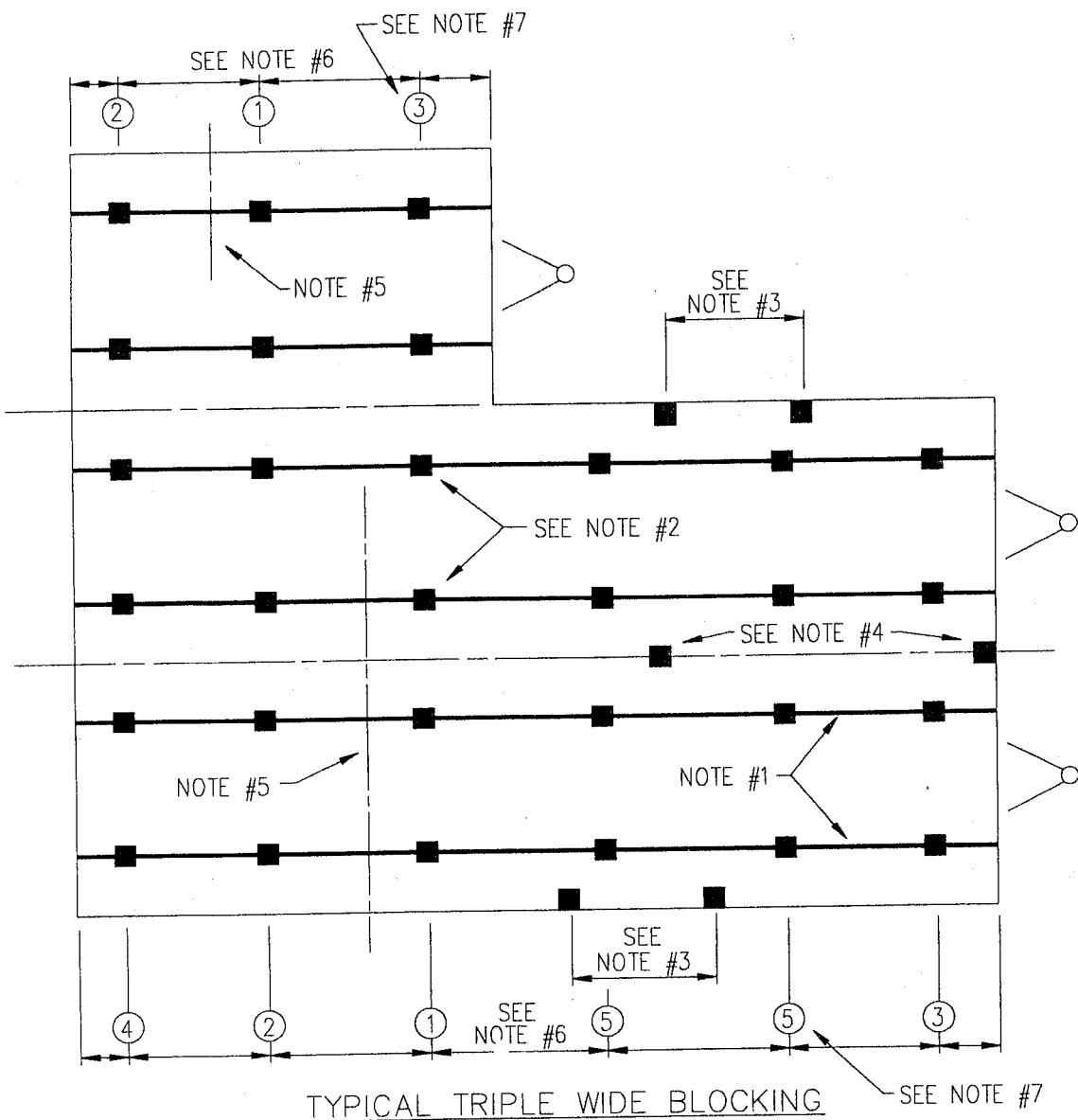
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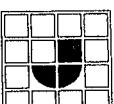
DRAWN BY:	S.A.	DATE:	6-6-94
DRAWING TITLE:	DOUBLE WIDE BLOCKING		
DRAWING NUMBER:	SU-01-0003		

REV. LETTER:



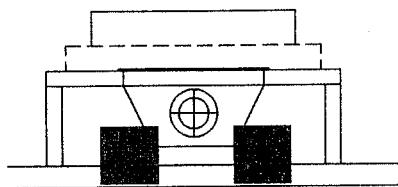
### NOTES

- #1-MAIN FRAME I-BEAMS
- #2-LOCATE PIERS UNDER FRAME I-BEAMS
- #3-LOCATE PIERS UNDER CLOSEST FLOOR JOIST EACH SIDE OF OPENINGS 48" AND LARGER.  
(I.E.-RECESSED ENTRIES AND SL. GL. DRS.) SEE TABLE FOR PIER FOOTER SIZING PAGE 10.
- #4-LOCATE PIERS UNDER MARRIAGE WALL PERIMETER JOISTS WITHIN 6" OF EACH SIDE OF OPENINGS.  
48" & LARGER AND RIDGE BEAM COLUMNS. SEE TABLE FOR PIER FOOTER SIZING SU-01-0030 AND SEE  
DETAIL 'B', SU-01-0010.
- #5-AXLE ASSEMBLY CENTER LINE
- #6-SEE TABLE I FOR PIER FOOTER SIZING AND PIER SPACING INFORMATION SU-01-0040, AND DETAIL 'A' SU-01-0010.
- #7 BLOCKING SEQUENCE NUMBERS, SEE SU-01-0002 FOR PROPER BLOCKING PROCEDURES.

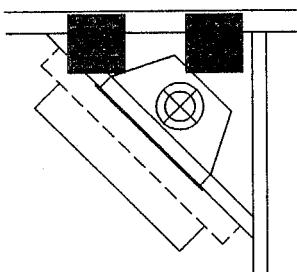
 <p>JACOBSEN HOMES P.O. BOX 368 SAFETY HARBOR, FLORIDA 34695 PHONE (727) 726-1138</p>	NOTICE:	DRAWN BY:	DATE:	REV. LETTER:
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	DRAWING TITLE:	TRIPLE WIDE BLOCKING		
	DRAWING NUMBER:	SU-01-0004		

## ADDITIONAL PERIMETER BLOCKING

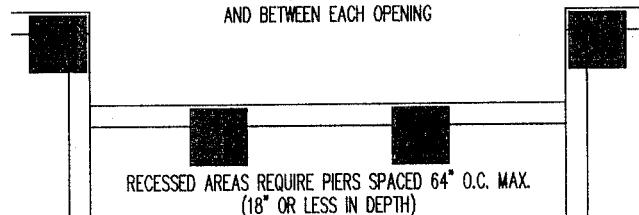
(THIS BLOCKING IS IN ADDITION TO BLOCKING REQUIRED IN THIS MANUAL)



UNDER EACH SIDE OF ALL EXTERIOR DOORS LOCATED ON SIDEWALLS



2 OR MORE 46 1/2" WINDOWS  
PIERS REQUIRED AT EACH END  
AND BETWEEN EACH OPENING



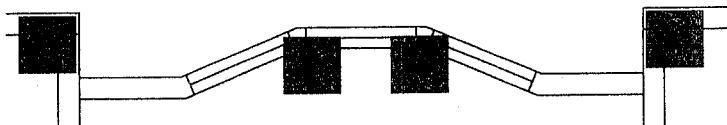
RECESSED AREAS REQUIRE PIERS SPACED 64" O.C. MAX.  
(18" OR LESS IN DEPTH)

TYP. FIREPLACES ON SIDEWALL OR MARRIAGE WALL

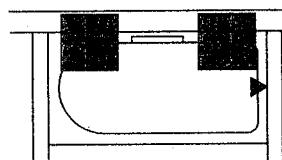
EACH END OF RECESSED AREAS

### **HOT BEAM NOTE**

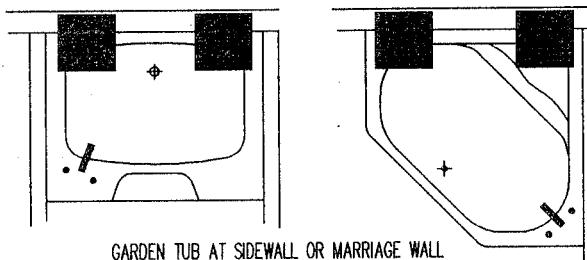
PERIMETER BLOCKING REQUIRED AT 48" O.C. MAX.



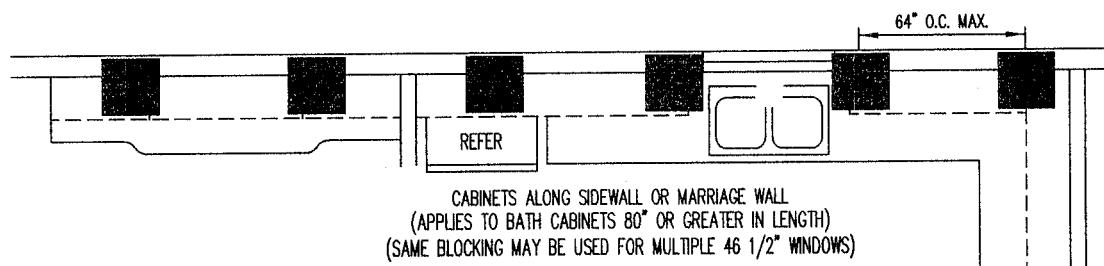
RECESSED AREAS W/SIDE BAY REQUIRE PIERS SPACED 64" O.C. MAX.  
THIS ALSO APPLIES TO ALL ENDWALL BAY WINDOWS  
UNLESS SUPPORTED BY A FRAME MEMBER



54" OR 60" TUB AT SIDEWALL OR MARRIAGE WALL



GARDEN TUB AT SIDEWALL OR MARRIAGE WALL



CABINETS ALONG SIDEWALL OR MARRIAGE WALL  
(APPLIES TO BATH CABINETS 80" OR GREATER IN LENGTH)  
(SAME BLOCKING MAY BE USED FOR MULTIPLE 46 1/2" WINDOWS)

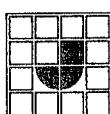
### SPECIAL BLOCKING NOTE FOR 15'-4" (184") WIDE FLOOR SECTIONS

PERIMETER BLOCKING IS REQUIRED (MARRIAGE AND SIDEWALLS) 64" ON CENTER MAX. SPACING

NOTE: LEVEL FLOOR SYSTEM FIRST (SIDEWALL TO SIDEWALL OR MARRIAGE WALL) BEFORE INSTALLING PERIMETER BLOCKS

NOTES:

1. ADDITIONAL BLOCKING REQUIRED AS INDICATED ABOVE (USE 16" X 16" PIER PADS).
2. LOCATE BLOCKING UNDER PERIMETER JOIST OR WITHIN 8" OF END OF 16" O.C. JOISTS.
3. COLUMN PIERS ARE IN ADDITION TO REQUIRED PIERS UNDER FULL-HEIGHT MATING WALLS.
4. PERIMETER BLOCKING IS REQUIRED UNDER TILE FLOORS (MARRIAGE & SIDEWALLS) 64" O.C. MAX.
5. PIERS USED FOR PERIMETER SUPPORT MUST BE INSTALLED WITH THE LONG DIMENSION PARALLEL TO THE PERIMETER RAIL.
6. WHEN PERIMETER BLOCKING IS REQUIRED ANY MATING LINE OPEN SPAN GREATER THAN 10', MUST HAVE INTERMEDIATE PIERS PLACED AT MAX. 10' O.C. EXCEPT 15'-4" WIDE, SEE SPECIAL NOTE.



JACOBSEN HOMES

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DRAWN BY:	O.A.	DATE:
4-12-00		
DRAWING TITLE: ADDITIONAL BLOCKING		
DRAWING NUMBER: SU-01-0005		

REV. LETTER:  
**C**  
(09-30-08)

## BLOCKING (PIER) LABELS

LOCATE THESE LABELS AND CHECK THE APPROPRIATE  
MANUAL FOR PROPER INSTALLATION OF BLOCKING AND PIERS..

### SHEARWALL PIER LOCATIONS

SEE SET-UP ADDENDUM  
FOR SPECIFICS

### COLUMN PIER LOCATION

SEE SET-UP MANUAL  
FOR SPECIFICS  
(LOCATE THESE PIERS AT  
THE MARRIAGE LINE)

---

BOTTOM OF EXTERIOR SIDING AT SIDEWALL

### SPECIFIC PERIMETER PIER LOCATION

SEE SET-UP MANUAL  
FOR SPECIFICS

### GENERAL PERIMETER BLOCKING 64" O.C. MAX.

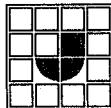
(SEE SET-MANUAL  
FOR SPECIFICS)

---

BOTTOM OF EXTERIOR SIDING AT SIDEWALL

#### NOTES:

1. THIS IS INCLUDED IN THE HOME OWNERS PACKAGE.



JACOBSEN HOMES

P.O. BOX 368  
SAFETY HARBOR, FLORIDA 34695  
PHONE (727) 726-1138

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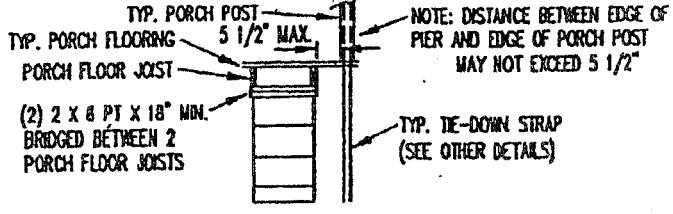
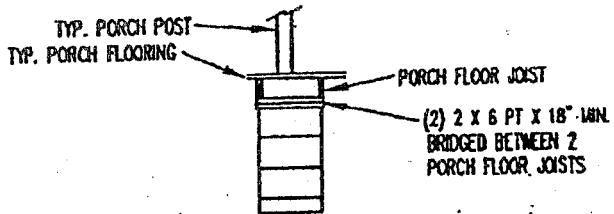
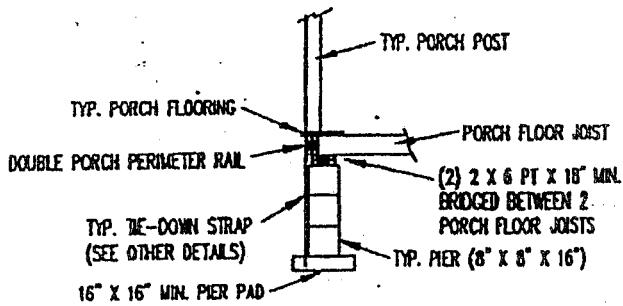
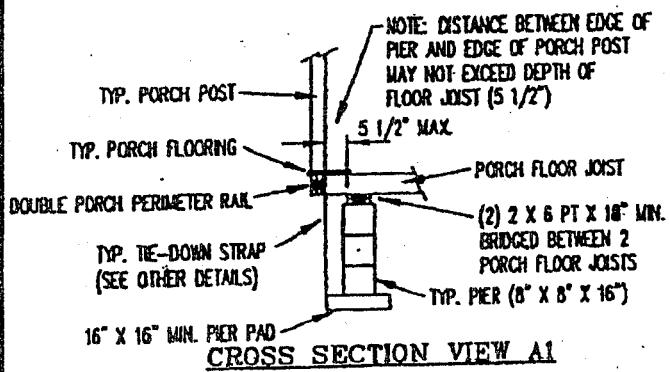
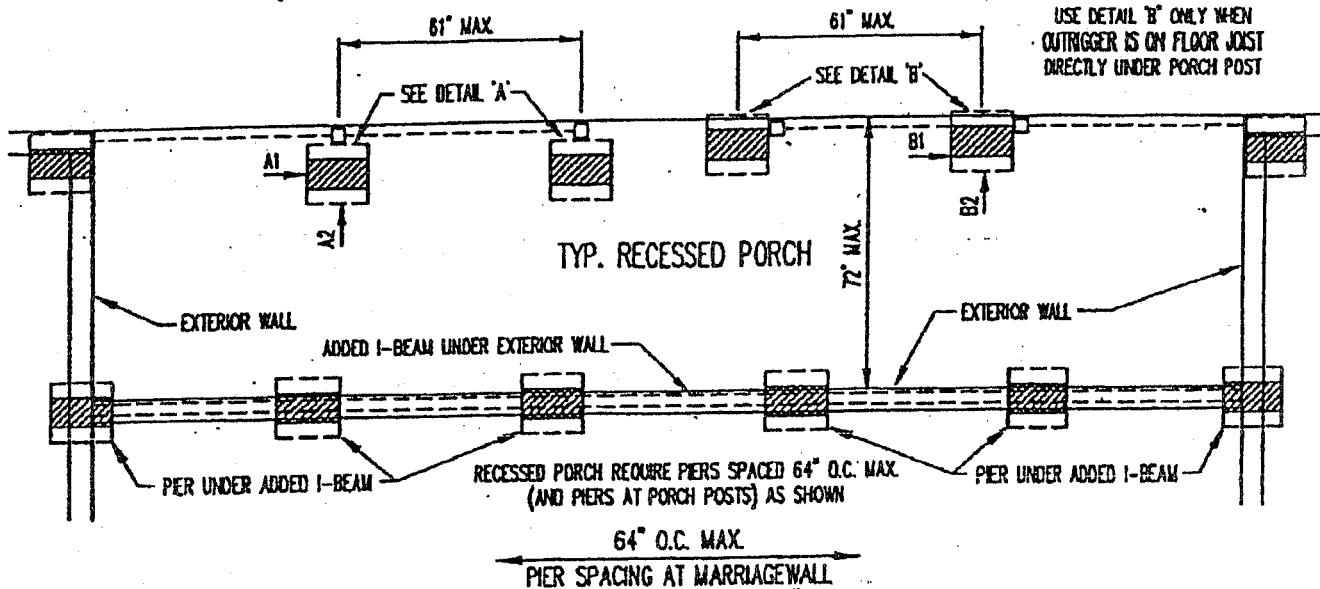
DRAWN BY:	M.T.	DATE:	05-20-06
DRAWING TITLE:	BLOCKING (PIER) LABELS		
DRAWING NUMBER:	SU-01-0006		

REV. LETTER:

—

## ADDITIONAL RECESSED PORCH BLOCKING

(THIS BLOCKING IS IN ADDITION TO BLOCKING REQUIRED IN THIS MANUAL)

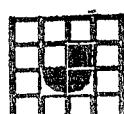


### DETAIL 'A'

### DETAIL 'B'

#### NOTES:

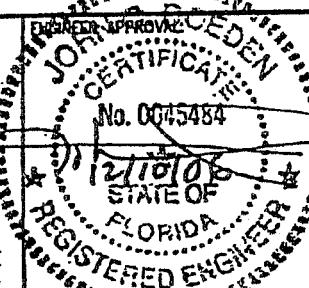
1. ADDITIONAL BLOCKING REQUIRED AS INDICATED ABOVE (USE 16" X 16" PIER PADS ON 1000 PSF SOIL CAPACITY)
2. LOCATE BLOCKING UNDER PERIMETER JOIST OR WITHIN 5 1/2" OF END OF 16" O.C. JOISTS
3. PERIMETER BLOCKING IS REQUIRED UNDER PORCH AT EACH POST (61" O.C. MAX.)
4. ADDITIONAL BLOCKING REQUIRED AS INDICATED ABOVE UNDER CENTER OF ADDED I-BEAM (64" O.C. MAX.)
5. SEE OTHER DETAILS FOR OTHER REQUIRED BLOCKING LOCATIONS
6. ADDED I-BEAM AT PORCH/EXTERIOR WALL MAY DIFFER IN SIZE FROM MAIN HOUSE I-BEAM.



JACOBSEN HOMES

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DRAFT APPROVAL:

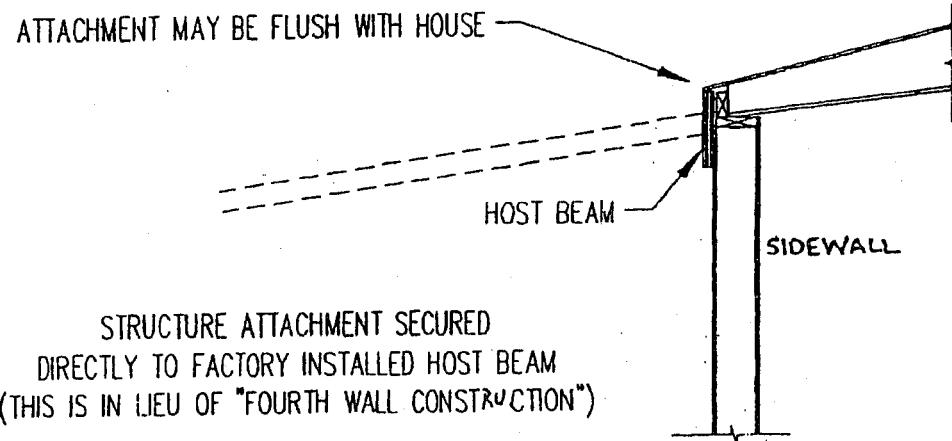
APPROVED BY

**NA** INC.

Dec 13, 2006

DRAWN BY:	R.R.	DATE:	11-28-06
DRAWING TITLE:	ADDITIONAL RECESSED PORCH BLOCKING	REV. LETTER:	
DRAWING NUMBER:	SU-01-0007		

## ATTACHMENT TO HOST BEAM



STRUCTURE ATTACHMENT INSTALLED ON-SITE  
BY OTHERS AND MUST MEET LOCAL CODES

PERIMETER BLOCKING ON-SITE 48" O.C. MAX.

DESIGN MEETS FBC AND ASCE FOR 140MPH (3 SEC. GUSTS)  
EXP. B LOADING FOR PARTIALLY ENCLOSED STRUCTURES.

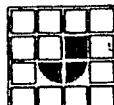
REF. PG. 07-0050, 07-0051

ALSO MEETS  
WINDZONE III  
EXPOSURE C  
20 PSF ROOF  
10 PSF D.L.

NDS01

NOTES:

- HOST BEAM INSTALLATION IS FOR ON-SITE STRUCTURE ATTACHMENT:  
20' WIDE MAX WIND ZONE 2 OR 120MPH EXP. B SITES.  
16' WIDE MAX WIND ZONE 3 OR 140MPH EXP. B SITES
- MIN. BRACKET LOAD CAPACITY FOR VERTICAL TIE-DOWNS IS  
2450# WIND ZONE 2, 2960# WIND ZONE 3
- WALL FRAMING IS 2 X 6 SPF /3 16" O.C.
- 48" O.C. PERIMETER BLOCKING REQUIRED ON HOST BEAM SIDE OF HOUSE

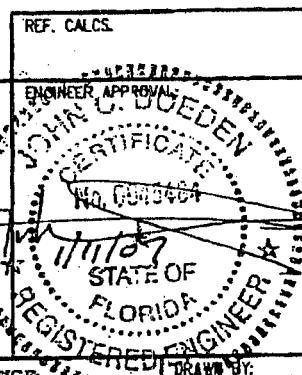


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9



DAPIA APPROVAL:

APPROVED BY

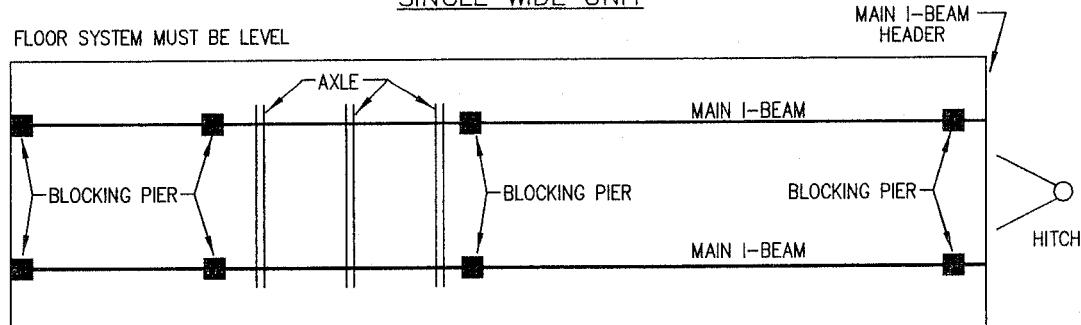


DRAWN BY:	D.M.T.	DATE:	01-10-07	REV. LETTER:
DRAWING TITLE:	ATT. TO HOST BEAM			
DRAWING NUMBER:	SU-01-0008			

## BLOCKING FOR TEMPORARY SET

### SINGLE WIDE UNIT

FLOOR SYSTEM MUST BE LEVEL

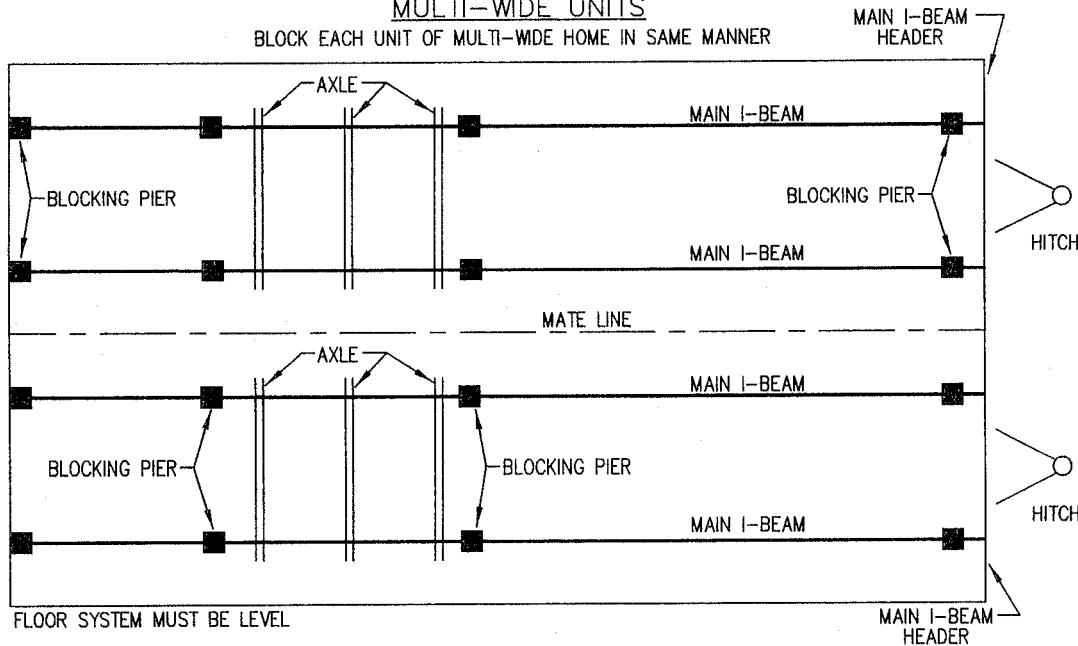


TEMPORARY BLOCKING IS REQUIRED ON HOMES LOCATED AT THE DEALERS LOT OR PARKED AT HOME SITE FOR ANY PERIOD OF TIME.

BLOCKING PIERS ARE TO BE LOCATED UNDER MAIN I-BEAM AT THE REAR, AT THE HITCH, IN BACK OF AND IN THE FRONT OF AXLE AREA.

### MULTI-WIDE UNITS

BLOCK EACH UNIT OF MULTI-WIDE HOME IN SAME MANNER

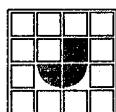


FLOOR SYSTEM MUST BE LEVEL

TEMPORARY BLOCKING IS REQUIRED ON HOMES LOCATED AT THE DEALERS LOT OR PARKED AT HOME SITE FOR ANY PERIOD OF TIME.

BLOCKING PIERS ARE TO BE LOCATED UNDER MAIN I-BEAM AT THE REAR, AT THE HITCH, IN BACK OF AND IN THE FRONT OF AXLE AREA.

15'-4" (184") WIDTH UNIT REQUIRES PERIMETER BLOCKING 96" O.C AT SIDEWALL AND MARRIAGE WALL.



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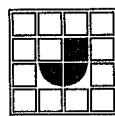
DRAWN BY:	D.M.T.	DATE:	10-10-08
DRAWING TITLE:	TEMP. BLOCKING		
DRAWING NUMBER:	SU-01-0009		

REV. LETTER:

—

BLOCKING NOTE

HORIZONTAL OFFSETS FROM THE TOP TO  
THE BOTTOM OF THE PIER MUST NOT EXCEED 1/2".  
(THIS APPLIES TO ALL BLOCKING.)



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DRAWN BY:	O.A.	DATE:	10-17-08
DRAWING TITLE:	BLOCKING NOTE		
DRAWING NUMBER:	SU-01-0010		

REV. LETTER:  
—

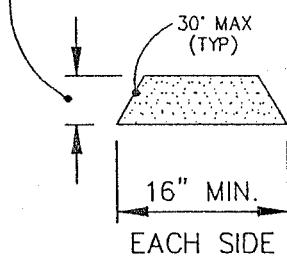
## 16" X 16" PIER FOOTER SPACINGS\*

### MAXIMUM I-BEAM PIER SPACING

FLOOR WIDTH	MAXIMUM PIER SPACING (SOIL BEARING CAPACITY)					
	1000 (PSF)	1500 (PSF)	2000 (PSF)	2500 (PSF)	3000 (PSF)	3500 (PSF)
120" WIDE FLOOR	39"	62"	86"	110"	134"	157"
144" WIDE FLOOR	33"	53"	73"	93"	113"	133"
160" WIDE FLOOR	30"	48"	66"	85"	103"	121"
184" WIDE FLOOR	26"	42"	58"	74"	90"	107"
MIN. PIER CAPACITY	1778 LBS.	2667 LBS.	3556 LBS.	4444 LBS.	5333 LBS.	6222 LBS.

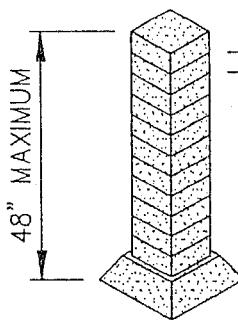
NOTE: ALL UNIT WIDTHS INCLUDES A 6" OVERHANG ON BOTH SIDES MAXIMUM.

4" MINIMUM, AND/OR  
PER LOCAL CODE  
REQUIREMENTS

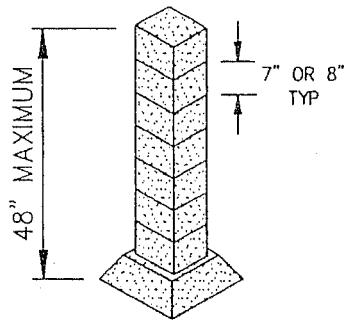


TYPICAL PIER FOOTER

NOMINAL 16" X 16"  
SQUARE PRECAST  
CONCRETE FOOTING



4 X 8 X 8 SOLID  
CONC. BLOCKS



6 X 7 X 8 SOLID  
CONC. BLOCKS

TYPICAL PIER CONFIGURATIONS

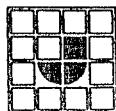
(THE CAPACITY OF THESE PIERS EXCEEDS MIN. REQUIRED)

### CONCRETE NOTES

1. ALL FOOTINGS CONCRETE TO HAVE  $f'_c$  = 3000 PSI MIN AT 28 DAYS;
2. ALL SOLID CONCRETE BLOCKS TO HAVE  $f'_m$  = 1500 PSI MIN;
3. CENTER ALL PIERS ON FOOTINGS

WINDZONE III  
(110 MPH)  
ALL EXPOSURES  
20 PSF ROOF  
10 PSF D.L.

REF. CALCS.	CWA - 85.01 - 85.02										
<u>NOTES:</u> <ol style="list-style-type: none"> <li>1. REFER TO OTHER DETAILS FOR ADDITIONAL PIER FOOTER SIZES AND SPACINGS.</li> <li>2. START I-BEAM PIER SPACING 1/2 THE ALLOWABLE SPACING FROM EACH END OF THE HOME AT EACH I-BEAM, AND MAXIMUM SPACING SHOWN IN THE CHART ABOVE FOR FULL LENGTH OF HOME.</li> <li>3. SEE OTHER DETAILS FOR PIER REQUIREMENTS AND MAXIMUM OPENINGS AT MATING LINE OF MULTIPLE WIDE HOMES.</li> <li>4. SEE OTHER DETAILS FOR TIE-DOWN REQUIREMENTS.</li> </ol>											
<p>ENGINEER APPROVAL GARY C. STILWELL REGISTERED No. 910334 --- PROFESSIONAL ENGINEER STATE OF INDIANA APPROVED BY NAI INC. FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS MAR 01 1999</p>											
<p>NOTICE: THESE SPECIFICATIONS AND DRAWINGS ARE ORIGINAL, PROPRIETARY, AND CONFIDENTIAL MATERIALS OF JACOBSEN MANUFACTURING INC. SUCH MATERIALS ARE PROVIDED TO THE RECIPIENT FOR SPECIFIC PURPOSES AND MUST BE KEPT CONFIDENTIAL AND SECRET FROM OTHERS.</p> <table border="1"> <tr> <td>DRAWN BY: M.T.</td> <td>DATE: 2-8-99</td> <td>REV. LETTER: B</td> </tr> <tr> <td colspan="2">DRAWING TITLE: 16" x 16" PIER SPACING</td> <td></td> </tr> <tr> <td colspan="2">DRAWING NUMBER: SU-01-0020</td> <td></td> </tr> </table>			DRAWN BY: M.T.	DATE: 2-8-99	REV. LETTER: B	DRAWING TITLE: 16" x 16" PIER SPACING			DRAWING NUMBER: SU-01-0020		
DRAWN BY: M.T.	DATE: 2-8-99	REV. LETTER: B									
DRAWING TITLE: 16" x 16" PIER SPACING											
DRAWING NUMBER: SU-01-0020											

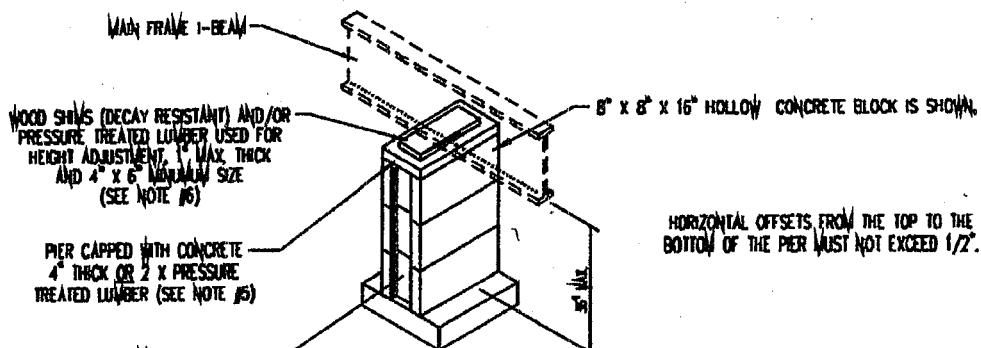


JACOBSEN HOMES

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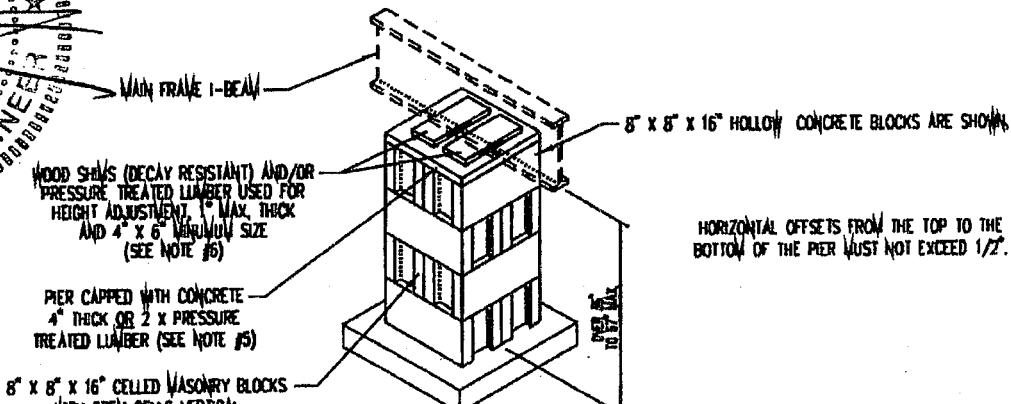
## ALTERNATE MAIN BEAM PIERS

(8" x 8" x 16" HOLLOW CONCRETE MASONRY BLOCKS)  
(NO MORTAR OR GROUT REQUIRED)



**SINGLE STACK BLOCK PIER**  
(PERPENDICULAR TO MAIN BEAM)  
8,000 LBS. MAX. CAPACITY-SEE NOTE #1

JOHN C. DOEDEN  
LICENSÉ  
No 45484  
PROFESSIONAL ENGINEER  
FLORIDA  
10/15/08  
STATE OF FLORIDA



**DOUBLE STACK BLOCK PIER**  
16,000 LBS. CAPACITY  
(SEE NOTES #1 & #2)

FLOOR WIDTH MAX.	MAXIMUM I-BEAM PIER SPACING (CONTROLLED BY PIER LOAD CAPACITIES)			
	48" O.C.	72" O.C.	96" O.C.	120" O.C.
144" WIDE FLOOR	2428 LBS.	3488 LBS.	4548 LBS.	5608 LBS.
160" WIDE FLOOR	2661 LBS.	3838 LBS.	5014 LBS.	6191 LBS.
184" WIDE FLOOR	2961 LBS.	4288 LBS.	5615 LBS.	6941 LBS.

PIER LOADS INCLUDE HEIGHT OF PIER UP TO 250" - ADD DIFFERENCE WHEN PIER HEIGHT IS GREATER.

NOTE: UNIT WIDTHS INCLUDES A 6" OVERHANG ON BOTH SIDES MAXIMUM.  
(CHECK PIER PAD LOAD CAPACITIES BASED ON SOIL BEARING PSF)

REF. CALCS.

**NOTES:**

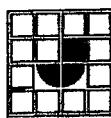
- SEE SU-01-0020 FOR PIER SPACING WHEN USING 16" X 16" PIER PADS. WHEN USING 16" X 16" MIN. PIER PADS OTHER THAN CONCRETE THEY MUST BE LISTED AND CERTIFIED TO EXCEED OR EQUAL MIN. PIER CAPACITY.
- WHEN USING PIER PADS THEY MUST BE LISTED & CERTIFIED TO EXCEED OR EQUAL MIN. PIER CAPACITY.
- START I-BEAM PIER SPACING 24" FROM EACH END OF THE HOME AT EACH I-BEAM AND MAXIMUM SPACING SHOWN IN THE CHART ABOVE FOR FULL LENGTH OF HOME.
- ANY PIER HEIGHTS ABOVE 67" MUST BE DESIGNED BY A P.E. OR ARCHITECT.
- GAPS MUST BE SAME LENGTH AND WIDTH AS THE PIERS ON WHICH THEY REST.
- HARDWOOD PLATES NO THICKER THAN 1 1/2" OR 2 OR 4 INCH NOMINAL SOLID CONCRETE BLOCK MAY BE USED TO FILL ANY REMAINING VERTICAL GAPS.

ENGINEER APPROVAL:

DAPIA APPROVAL:

APPROVED BY

**NIA INC.**  
Revised Oct 17, 2008  
FEDERAL MANUFACTURED HOME  
CONSTRUCTION AND SAFETY STANDARDS



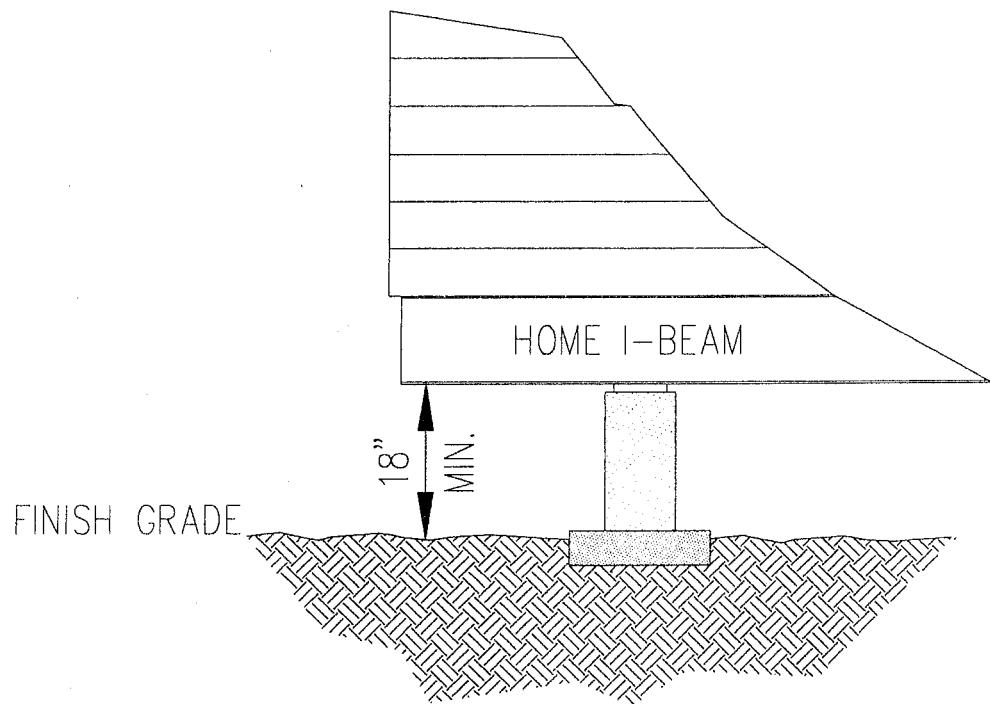
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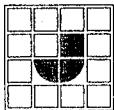
DRAWN BY:	O.A.	DATE:	2-8-99	REV. LETTER:
DRAWING TITLE:	ALT. MAIN BEAM PIERS			B
DRAWING NUMBER:	SU-01-0021			(10-08-08)

## MINIMUM HOME SET HEIGHT



### NOTES:

WHERE THE GRADE IS SLOPED, 25% OF THE LOWEST MEMBER OF THE MAIN FRAME MAY BE SET BELOW 18"; HOWEVER, UNDER NO CIRCUMSTANCES MAY THE BOTTOM OF THE I-BEAM BE SET BELOW 12" FROM THE FINISHED GRADE.

	<b>JACOBSEN HOMES</b> P.O. BOX 368 SAFETY HARBOR, FLORIDA 34695 PHONE (727) 726-1138	<b>NOTICE:</b> THESE SPECIFICATIONS AND DRAWINGS ARE ORIGINAL, PROPRIETARY, AND CONFIDENTIAL MATERIALS OF JACOBSEN MANUFACTURING INC. SUCH MATERIALS ARE PROVIDED TO THE RECIPIENT FOR SPECIFIC PURPOSES AND MUST BE KEPT CONFIDENTIAL AND SECRET FROM OTHERS.	DRAWN BY: B.E.M. DATE: 2-11-99	REV. LETTER:
			DRAWING TITLE: MIN. HOME SET HEIGHT	
			DRAWING NUMBER: SU-01-0022	

16" X 16" PIER FOOTER SPACINGS\*  
(MIN. 256 SQ.IN)

MAXIMUM I-BEAM PIER SPACING

FLOOR WIDTH	MAXIMUM PIER SPACING (SOIL BEARING CAPACITY)					
	1000 (PSF)	1500 (PSF)	2000 (PSF)	2500 (PSF)	3000 (PSF)	3500 (PSF)
120" WIDE FLOOR**	39"	62 1/2"	86 1/2"	110"	SEE NOTE #4	SEE NOTE #4
144" WIDE FLOOR**	33"	53"	73 1/2"	93 1/2"	113 1/2"	SEE NOTE #4
160" WIDE FLOOR**	30"	48 1/2"	66 1/2"	85"	103"	SEE NOTE #4
184" WIDE FLOOR**	26 1/2"	42 1/2"	58 1/2"	74 1/2"	90 1/2"	107"
MIN. PIER CAPACITY	1778 LBS	2667 LBS	3556 LBS	4444 LBS	5333 LBS	6222 LBS

18 1/2" X 18 1/2" PIER FOOTER SPACINGS\*  
(MIN. 342 1/4 SQ.IN)

MAXIMUM I-BEAM PIER SPACING

FLOOR WIDTH	MAXIMUM PIER SPACING (SOIL BEARING CAPACITY)					
	1000 (PSF)	1500 (PSF)	2000 (PSF)	2500 (PSF)	3000 (PSF)	3500 (PSF)
120" WIDE FLOOR**	54 1/2"	86"	117 1/2"	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4
144" WIDE FLOOR**	46"	73"	100"	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4
160" WIDE FLOOR**	42"	66 1/2"	90 1/2	115"	SEE NOTE #4	SEE NOTE #4
184" WIDE FLOOR**	37"	58 1/2"	79 1/2"	101"	SEE NOTE #4	SEE NOTE #4
MIN. PIER CAPACITY	2377 LBS.	3565 LBS.	4753 LBS.	5942 LBS.	7130 LBS.	8319 LBS.

NOTE: UNIT WIDTHS WITH \*\* INCLUDES A 6" OVERHANG ON BOTH SIDES MAXIMUM.

FOR TYPICAL PIERS SEE PAGE SU-01-0021

10/3/01

NOTES:

1. PRE-FABRICATED PIER PADS MAY BE USED AS AN ALTERNATE TO THE CONCRETE FOOTINGS SPECIFIED IN THE JACOBSEN HOMES SET-UP MANUAL.
2. THE PRE-FABRICATED PIER PADS ARE TO BE INSTALLED PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS AND MEET THE MINIMUM PIER CAPACITIES SHOWN ABOVE.
3. ALL OTHER REQUIREMENTS ARE TO BE ADHERED TO AS SPECIFIED IN THE JACOBSEN HOMES INSTALLATION INSTRUCTIONS.
4. MAX. PIER SPACING 8' FOR UNITS WITH 8" I-BEAMS / 10' FOR UNITS WITH 10" OR 12" I-BEAMS (24" MAX. FROM ENDS).

ENGINEER APPROVAL:

No. 1000

910334

PROFESSIONAL

STATE OF FLORIDA

JAY THOMAS

DAPIA APPROVAL:

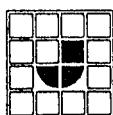
(SEE CALCS.  
(C-TY- 14.01))

APPROVED BY



OCT 11 2001

FEDERAL MANUFACTURED HOME  
CONSTRUCTION AND SAFETY STANDARDS



JACOBSEN HOMES

P.O. BOX 368  
SAFETY HARBOR, FLORIDA 34695  
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DRAWN BY: D.M.T.

DATE: 09-22-01

REV. LETTER:

DRAWING TITLE: PRE-FAB. 16" & 18 1/2" PIER PAD SPACING

DRAWING NUMBER: SU-01-0023

18" X 22" PIER FOOTER SPACINGS\*  
(MIN. 396 SQ.IN)

MAXIMUM I-BEAM PIER SPACING

FLOOR WIDTH	MAXIMUM PIER SPACING (SOIL BEARING CAPACITY)					
	1000 (PSF)	1500 (PSF)	2000 (PSF)	2500 (PSF)	3000 (PSF)	3500 (PSF)
120" WIDE FLOOR**	63 1/2"	100 1/2"	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4
144" WIDE FLOOR**	54"	85"	116 1/2"	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4
160" WIDE FLOOR**	49"	77 1/2"	105 1/2"	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4
184" WIDE FLOOR**	43"	68"	93"	117 1/2"	SEE NOTE #4	SEE NOTE #4
MIN. PIER CAPACITY	2747 LBS	4121 LBS	5495 LBS	6868 LBS	8242 LBS	9616 LBS

20" X 20" PIER FOOTER SPACINGS\*  
(MIN. 400 SQ.IN)

MAXIMUM I-BEAM PIER SPACING

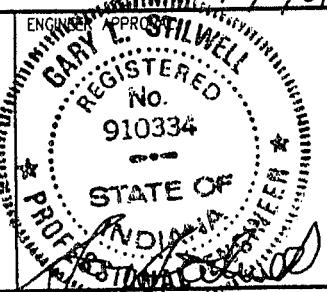
FLOOR WIDTH	MAXIMUM PIER SPACING (SOIL BEARING CAPACITY)					
	1000 (PSF)	1500 (PSF)	2000 (PSF)	2500 (PSF)	3000 (PSF)	3500 (PSF)
120" WIDE FLOOR**	64 1/2"	101 1/2"	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4
144" WIDE FLOOR**	54 1/2"	86"	117 1/2"	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4
160" WIDE FLOOR**	49 1/2"	78 1/2"	107"	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4
184" WIDE FLOOR**	43 1/2"	69"	94"	119"	SEE NOTE #4	SEE NOTE #4
MIN. PIER CAPACITY	2778 LBS.	4167 LBS.	5556 LBS.	6944 LBS.	8333 LBS.	9722 LBS.

NOTE: UNIT WIDTHS WITH \*\* INCLUDES A 6" OVERHANG ON BOTH SIDES MAXIMUM.

FOR TYPICAL PIERS SEE PAGE SU-01-0021

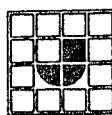
NOTES:

1. PRE-FABRICATED PIER PADS MAY BE USED AS AN ALTERNATE TO THE CONCRETE FOOTINGS SPECIFIED IN THE JACOBSEN HOMES SET-UP MANUAL.
2. THE PRE-FABRICATED PIER PADS ARE TO BE INSTALLED PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS AND MEET THE MINIMUM PIER CAPACITIES SHOWN ABOVE.
3. ALL OTHER REQUIREMENTS ARE TO BE ADHERED TO AS SPECIFIED IN THE JACOBSEN HOMES INSTALLATION INSTRUCTIONS.
4. MAX. PIER SPACING 8' FOR UNITS WITH 8" I-BEAMS / 10' FOR UNITS WITH 10" OR 12" I-BEAMS (24" MAX. FROM ENDS).



DAPIA APPROVAL:  
 (SEE CALC. PG.)  
 C-TY - 14.02

APPROVED BY



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DRAWN BY: D.M.T. DATE: 09-22-01  
 DRAWING TITLE: PRE-FAB. 18" X 22" & 20" PIER PAD SPACING  
 DRAWING NUMBER: SU-01-0024

REV. LETTER:

17 3/16" X 25 3/16" PIER FOOTER SPACINGS\*  
(MIN. 432 7/8 SQ.IN)

MAXIMUM I-BEAM PIER SPACING

FLOOR WIDTH	MAXIMUM PIER SPACING (SOIL BEARING CAPACITY)					
	1000 (PSF)	1500 (PSF)	2000 (PSF)	2500 (PSF)	3000 (PSF)	3500 (PSF)
120" WIDE FLOOR**	70 1/2"	110 1/2"	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4
144" WIDE FLOOR**	59 1/2"	93 1/2"	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4
160" WIDE FLOOR**	54"	85"	116"	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4
184" WIDE FLOOR**	47 1/2"	75"	102"	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4
MIN. PIER CAPACITY	3004 LBS.	4507 LBS.	6009 LBS.	7511 LBS.	9013 LBS.	10,516 LBS.

24" X 24" PIER FOOTER SPACINGS\*  
(MIN. 576 SQ.IN)

MAXIMUM I-BEAM PIER SPACING

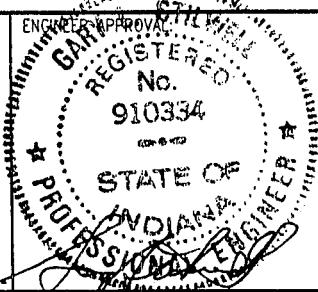
FLOOR WIDTH	MAXIMUM PIER SPACING (SOIL BEARING CAPACITY)					
	1000 (PSF)	1500 (PSF)	2000 (PSF)	2500 (PSF)	3000 (PSF)	3500 (PSF)
120" WIDE FLOOR**	95 1/2"	SEE NOTE #4				
144" WIDE FLOOR**	81"	SEE NOTE #4				
160" WIDE FLOOR**	74"	115"	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4
184" WIDE FLOOR**	65"	101"	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4
MIN. PIER CAPACITY	4000 LBS	6000 LBS	8000 LBS.	10,000 LBS.	12,000 LBS.	14,000 LBS.

NOTE: UNIT WIDTHS WITH \*\* INCLUDES A 6" OVERHANG ON BOTH SIDES MAXIMUM.

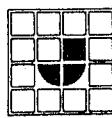
FOR TYPICAL PIERS SEE PAGE SU-01-0021

NOTES:

1. PRE-FABRICATED PIER PADS MAY BE USED AS AN ALTERNATE TO THE CONCRETE FOOTINGS SPECIFIED IN THE JACOBSEN HOMES SET-UP MANUAL.
2. THE PRE-FABRICATED PIER PADS ARE TO BE INSTALLED PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS AND MEET THE MINIMUM PIER CAPACITIES SHOWN ABOVE.
3. ALL OTHER REQUIREMENTS ARE TO BE ADHERED TO AS SPECIFIED IN THE JACOBSEN HOMES INSTALLATION INSTRUCTIONS.
4. MAX. PIER SPACING 8' FOR UNITS WITH 8" I-BEAMS / 10' FOR UNITS WITH 10" OR 12" I-BEAMS (24" MAX. FROM ENDS).



DAPIA APPROVAL:  
*(SEE CALCS. PG. C-TY - 14.03 - 14.06)*



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DRAWN BY: D.M.T.	DATE: 09-22-01	REV. LETTER:
DRAWING TITLE: PRE-FAB. 17 X 25 & 24" PIER PAD SPACING		—
DRAWING NUMBER: SU-01-0025		

26" X 26" PIER FOOTER SPACINGS\*  
(MIN. 676 SQ.IN)

MAXIMUM I-BEAM PIER SPACING

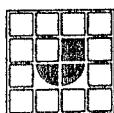
FLOOR WIDTH	MAXIMUM PIER SPACING (SOIL BEARING CAPACITY)					
	1000 (PSF)	1500 (PSF)	2000 (PSF)	2500 (PSF)	3000 (PSF)	3500 (PSF)
120" WIDE FLOOR**	113 1/2"	SEE NOTE #4				
144" WIDE FLOOR**	96 1/2"	SEE NOTE #4				
160" WIDE FLOOR**	87 1/2"	SEE NOTE #4				
184" WIDE FLOOR**	77"	119 1/2"	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4	SEE NOTE #4
MIN. PIER CAPACITY	4694 LBS.	7042 LBS.	9389 LBS.	11,736 LBS.	14,083 LBS.	16,431

NOTE: UNIT WIDTHS WITH \*\* INCLUDES A 6" OVERHANG ON BOTH SIDES MAXIMUM.

FOR TYPICAL PIERS SEE PAGE SU-01-0021

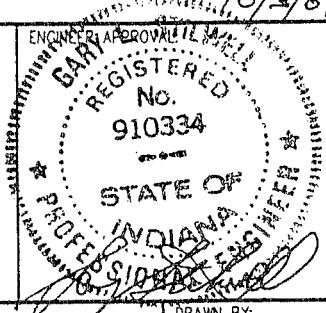
**NOTES:**

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4. MAX. PIER SPACING 8' FOR UNITS WITH 8" I-BEAMS / 10' FOR UNITS WITH 10" OR 12" I-BEAMS (24" MAX. FROM ENDS).



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BARRY  
REGISTERED  
No. 910334

STATE OF  
INDIANA  
CONTRACTOR  
REGISTRATION

DAPIA APPROVAL:  
SEE CALL. PG.  
C-TY-14.07  
APPROVED BY



OCT 11 2001

FEDERAL MANUFACTURED HOME  
INC.

CONSTRUCTION AND SAFETY INSPECTOR:

09-22-01

DRAWN BY: D.M.T.	REVISION NUMBER:
DRAWING TITLE: PRE-FAB. 26" PIER PAD SPACING	DATE DRAWN: 09-22-01
DRAWING NUMBER: SU-01-0026	REVISION NUMBER:

**PIER FOOTER SIZING CHART FOR MARRIAGE WALL OPENINGS ①**

(FOR SIDEWALL OPENINGS SEE NOTE ③)

		LOAD SPANS ④					
24' WIDE	SOIL BEARING CAPACITY PSF	8'-12'	12'-16'	16'-20'	20'-24'	24'-28'	28'-32'
	1000	390 sq. in.	494 sq. in.	597 sq. in.	701 sq. in.	805 sq. in.	908 sq. in.
	1500	260 sq. in.	329 sq. in.	398 sq. in.	467 sq. in.	536 sq. in.	606 sq. in.
	2000	195 sq. in.	247 sq. in.	299 sq. in.	351 sq. in.	402 sq. in.	454 sq. in.
	2500	156 sq. in.	197 sq. in.	239 sq. in.	280 sq. in.	322 sq. in.	363 sq. in.
MIN. PIER CAP.		2708 lbs.	3428 lbs.	4148 lbs.	4868 lbs.	5588 lbs.	6308 lbs.

		LOAD SPANS ④					
25'-4" WIDE	SOIL BEARING CAPACITY PSF	8'-12'	12'-16'	16'-20'	20'-24'	24'-28'	28'-32'
	1000	409 sq. in.	519 sq. in.	628 sq. in.	737 sq. in.	847 sq. in.	956 sq. in.
	1500	273 sq. in.	346 sq. in.	419 sq. in.	492 sq. in.	565 sq. in.	638 sq. in.
	2000	205 sq. in.	259 sq. in.	314 sq. in.	369 sq. in.	423 sq. in.	478 sq. in.
	2500	164 sq. in.	207 sq. in.	251 sq. in.	295 sq. in.	339 sq. in.	383 sq. in.
MIN. PIER CAP.		2841 lbs.	3601 lbs.	4361 lbs.	5121 lbs.	5881 lbs.	6641 lbs.

		LOAD SPANS ④					
26'-8" WIDE	SOIL BEARING CAPACITY PSF	8'-12'	12'-16'	16'-20'	20'-24'	24'-28'	28'-32'
	1000	428 sq. in.	544 sq. in.	659 sq. in.	774 sq. in.	889 sq. in.	1004 sq. in.
	1500	286 sq. in.	362 sq. in.	439 sq. in.	516 sq. in.	593 sq. in.	670 sq. in.
	2000	214 sq. in.	272 sq. in.	329 sq. in.	387 sq. in.	445 sq. in.	502 sq. in.
	2500	171 sq. in.	217 sq. in.	264 sq. in.	310 sq. in.	356 sq. in.	402 sq. in.
MIN. PIER CAP.		2975 lbs	3775 lbs	4575 lbs	5375 lbs	6175 lbs	6975 lbs

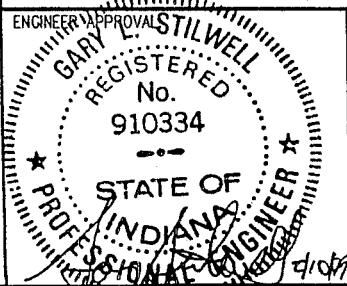
		LOAD SPANS ④					
30'-8" WIDE	SOIL BEARING CAPACITY PSF	8'-12'	12'-16'	16'-20'	20'-24'	24'-28'	28'-32'
	1000	486 sq. in.	618 sq. in.	751 sq. in.	883 sq. in.	1016 sq. in.	1148 sq. in.
	1500	324 sq. in.	412 sq. in.	501 sq. in.	589 sq. in.	677 sq. in.	766 sq. in.
	2000	243 sq. in.	309 sq. in.	375 sq. in.	442 sq. in.	508 sq. in.	574 sq. in.
	2500	194 sq. in.	247 sq. in.	300 sq. in.	353 sq. in.	406 sq. in.	459 sq. in.
MIN. PIER CAP.		3375 lbs	4295 lbs	5215 lbs	6135 lbs	7055 lbs	7975 lbs

WINDZONE III  
(110 MPH)  
ALL EXPOSURES  
20 PSF ROOF  
10 PSF D.L.

NOTES:

- ① SEE DETAIL 'B' PAGE SU-01-0001 FOR BLOCKING AND ANCHORING OF MARRIAGE WALL OPENINGS WIDER THAN 49 INCHES.
- ② SEE NOTES: ②, ③, AND ④ UNDER TABLE I, PAGE SU-01-0040.
- ③ FOR ALL UNIT WIDTHS, USE 177 sq/in PIER FOOTER UNDER SIDEWALL OPENINGS THAT ARE 49 INCHES TO 96 INCHES WIDE. FOR OPENINGS THAT ARE 96 INCHES TO 144 INCHES, USE 242 sq/in PIER FOOTER UNDER SIDEWALL OPENINGS. (MIN. 1000 PSF SOIL BEARING REQ'D)
- ④ FOR PROPER LOAD SPANS, SEE SU-03-0001. ("LOAD SPANS" ARE CLEARSPANS; PIER SPECIFICATIONS ABOVE ASSUME CLEARSPLAN OCCURS ON ONE SIDE OF PIER ONLY - IF CLEARSPLAN OCCURS ON BOTH SIDES, ADD VALUES LISTED ABOVE FOR EACH CLEARSPLAN)
- ⑤ CHECK WITH LOCAL JURISDICTION TO DETERMINE THE SOIL VALUE ON YOUR SITE OR HAVE A SOIL BEARING TEST PERFORMED ON YOUR SOIL TO DETERMINE THE VALUE.

REF. CALCS.



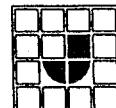
DAPIA APPROVAL:

APPROVED BY



REV. LETTER:

A



JACOBSEN HOMES

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DRAWN BY: B.E.M. DATE: 2-6-99  
DRAWING TITLE: PIER FOOTER SIZING CHART  
FOR MARR. WALL OPENINGS  
DRAWING NUMBER: SU-01-0030

TABLE I  
PIER FOOTER SIZING AND PIER SPACING CHART  
(SEE NOTES BELOW)

12'-WIDE WIDTH MAXIMUM ① ⑤

PIER SPACING	SOIL BEARING PSF CAPACITY ② ⑥	REQUIRED PIER FOOTER AREA, SQ. IN. ④
3'-0" MAXIMUM FROM EACH END AND 8'-0" ON CENTER MAXIMUM (MINIMUM PIER CAPACITY 4548#)	1000 1500 2000 2500	655 437 327 262
4'-0" MAXIMUM FROM EACH END AND 10'-0" ON CENTER MAXIMUM (MINIMUM PIER CAPACITY 5608#)	1000 1500 2000 2500	808 538 404 323

13'-4"-WIDE WIDTH MAXIMUM ① ⑤

PIER SPACING	SOIL BEARING PSF CAPACITY ② ⑥	REQUIRED PIER FOOTER AREA, SQ. IN. ④
3'-0" MAXIMUM FROM EACH END AND 8'-0" ON CENTER MAXIMUM (MINIMUM PIER CAPACITY 5014#)	1000 1500 2000 2500	716 478 358 287
4'-0" MAXIMUM FROM EACH END AND 10'-0" ON CENTER MAXIMUM (MINIMUM PIER CAPACITY 6191#)	1000 1500 2000 2500	884 590 442 354

15'-4"-WIDE WIDTH MAXIMUM ⑤

PIER SPACING	SOIL BEARING PSF CAPACITY ② ⑥	REQUIRED PIER FOOTER AREA, SQ. IN. ④
3'-0" MAXIMUM FROM EACH END AND 8'-0" ON CENTER MAXIMUM (MINIMUM PIER CAPACITY 5615#)	1000 1500 2000 2500	807 539 404 323
4'-0" MAXIMUM FROM EACH END AND 10'-0" ON CENTER MAXIMUM (MINIMUM PIER CAPACITY 6941#)	1000 1500 2000 2500	1000 666 500 400

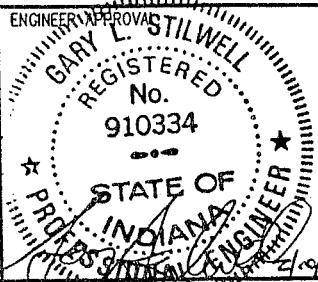
ALL ZONES  
ALL EXPOSURES  
20 PSF ROOF  
10 PSF D.L.

NOTES:

- ① ON MULTIPLE SECTION HOUSES, CHECK EACH SECTION INDIVIDUALLY.
- ② UNDISTURBED SOIL OR 90% COMPACTION FOR FILL.
- ③ ALL FOOTERS TO BE BELOW FROST LINE.
- ④ MORE THAN ONE PIER MAY BE USED TO ACHIEVE THE MINIMUM SQUARE INCHES REQUIRED.
- ⑤ ALL UNIT WIDTHS TO INCLUDE 6" SIDE OVERHANG ONE SIDE OR ONE 3" OVERHANG ON EACH SIDE MAXIMUM.
- ⑥ CHECK WITH LOCAL JURISDICTION TO DETERMINE THE SOIL VALUE ON YOUR SITE OR HAVE A SOIL BEARING TEST PERFORMED ON YOUR SOIL TO DETERMINE THE VALUE.

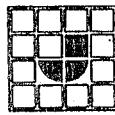
REF. CALCS.

CWA-85.01- 85, 02



DAPIA APPROVAL:

APPROVED BY



JACOBSEN HOMES

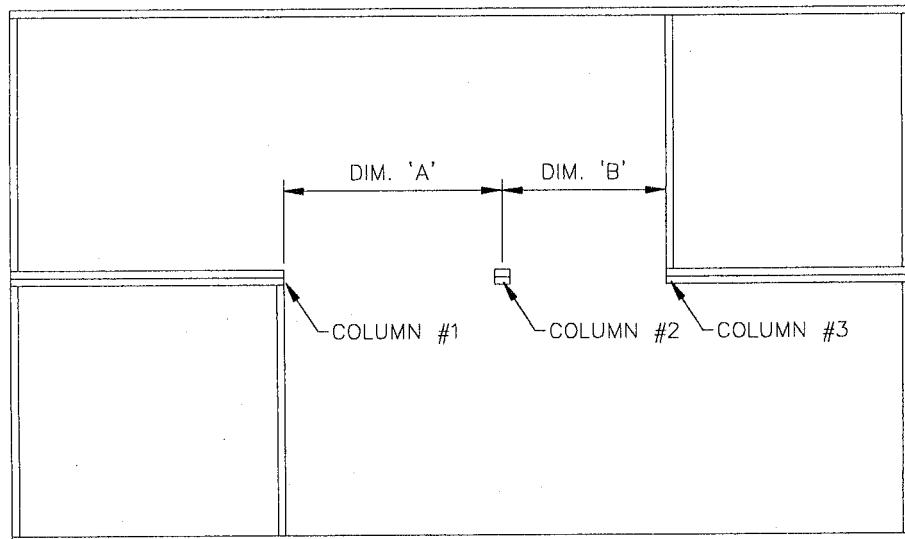
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DRAWN BY: M.T. DATE: 2-8-99  
DRAWING TITLE: PIER FOOTER SPECS CHART  
DRAWING NUMBER: SU-01-0040

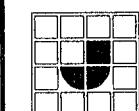
REV. LETTER: A

## MOBILE HOME SET-UP



## COLUMN SUPPORT SPANS

TO PROPERLY SIZE PIERS LOCATED AT RIDGE BEAM SUPPORT COLUMNS, SURVEY THE ARRANGEMENT OF THE ROOMS IN THE MOBILE HOME TO LOCATE THE OPENINGS ALONG THE MARRIAGE WALL OF THE HOME. MEASURE EACH OPENING IN THE MARRIAGE WALL PAYING ATTENTION PARTICULARLY TO OPENINGS GREATER THAN 4 FEET WIDE. IN THE EXAMPLE ABOVE TO DETERMINE THE SPAN FOR COLUMN #1 SIMPLY USE DIMENSION 'A'. TO DETERMINE THE SPAN FOR COLUMN #2 ADD DIMENSION 'A' AND DIMENSION 'B' TOGETHER. THE SPAN FOR COLUMN #3 CAN BE DETERMINED THE SAME WAY AS COLUMN #1 SIMPLY USE DIMENSION 'B'. ONCE THE COLUMN SPANS HAVE BEEN DETERMINED, FIND THE CORRESPONDING PIER FOOTING SIZE IN THE CHART (SU-01-0030).



JACOBSEN HOMES

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DRAWN BY:	S.A.	DATE:	6-6-94	REV. LETTER:
DRAWING TITLE:	COLUMN SUPPORT SPANS			-
DRAWING NUMBER:	SU-03-0001			

## SET UP NOTES

### (CLOSE UP)

#### **YOUR HOME IS EQUIPPED WITH A FACTORY INSTALLED MATE LINE GASKET.**

THE MATE LINE GASKET MUST BE INSPECTED BEFORE BRINGING THE HOME SECTIONS TOGETHER-IF THE GASKET IS DAMAGED, IT MAY BE REPAIRED WITH A FABRIC TYPE TAPE, AND IF DISLODGED, IT MUST BE REATTACHED.

THESE ARE (3) SUGGESTED (NOT REQUIRED) ITEMS TO HELP ELIMINATE AIR INFILTRATION.

1. FABRIC TYPE TAPE ADHERED TO BOTH SECTIONS BEFORE APPLYING ON-SITE FINISH MATERIALS.
2. THERMO-PLY STRIPS OR EQUIVALENT (2" WIDE MIN.) FASTENED TO BOTH SECTIONS WITH NAILS OR STAPLES BEFORE APPLYING EXTERIOR FINISH MATERIALS.  
(NOTE: THE ROOF IS MATERIAL AND APPLICATION SPECIFIC.)
3. SMALLER GAPS APPROX. 1/4" WIDE MAY BE SEALED WITH A BEAD OF LATEX CAULK.  
(NOTE: A FOAM SEALANT MAY BE USED IN LIEU OF A LATEX CAULK.)

BEFORE SETTING MULTIPLE WIDE UNITS, THE CLOSE-UP PLASTIC SHIPPING MATERIAL MUST BE REMOVED FROM ALL EXTERIOR WALLS OF ALL SECTIONS. THE SHIPPING PLASTIC MAY BE LEFT IN PLACE ON ALL MATING OR MARRIAGE WALLS OF EACH SECTION, BUT THE PANEL STRIPPING MATERIAL SECURING THE CLOSE-UP SHIPPING PLASTIC MUST BE REMOVED TO ALLOW THE MULTIPLE WIDE SECTIONS TO BE BROUGHT TOGETHER WITH MINIMUM GAPPING BETWEEN THE SECTIONS. THE SHIPPING PLASTIC IS TO BE LEFT IN PLACE AT THE ROOF LINE TO KEEP THE ROOF INSULATION IN PLACE (TACK IN PLACE BEFORE REMOVING SHIPPING STRIPS). AFTER THE SECTIONS ARE SET TOGETHER THE CLOSE-UP PLASTIC, IF LEFT ON THE MARRIAGE WALLS, IS TO BE CUT OUT AT ALL OPENINGS TO THE OTHER SECTIONS. WHEN THE HOME'S RETURN AIR GRILLE IS LOCATED IN THE MARRIAGE WALL, THE FRAMING IS TO BE SEALED WITH LATEX CAULK OR FOAM SEALANT.

AFTER REMOVAL OF THE GALVANIZED WIND DEFLECTOR(S) LOCATED ON THE ROOF AT THE HITCH END OF EACH SECTION OF THE HOME, SEAL ALL FASTENER PENETRATIONS OF THE ROOF SHINGLES WITH A ROOFING CEMENT OR OTHER SUITABLE MATERIAL. THE GALVANIZED WIND DEFLECTOR IS TO BE USED FOR THE ROOF CLOSE-UP, SEE AD-FA-0025 (AD-FA-0026 FOR TRIPLE WIDES).

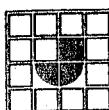
NOTE: BEFORE INSTALLING A CEILING FAN, INSTALL A 4 CU. IN. MINIMUM BOX EXTENSION. (CHECK FACTORY INSTALLED CEILING BOX FOR LABELING INDICATING SUITABLE FOR DIRECT ATTACHMENT OF CEILING FAN FIXTURE-IF NOT LABELED AS BEING SUITABLE, YOU MUST INSTALL A HOOK TYPE CEILING FAN-INSTALL HOOK THROUGH BOX INTO LUMBER BACKER BEHIND FAN BOX.)

THE SAFETY CHAIN FOR ALL EXTERIOR OUTSWING DOORS SHALL BE INCLUDED IN THE SET-UP KIT. THE SAFETY CHAIN SHALL BE INSTALLED WHEN THE HOME IS SET-UP. INSTALL THE SAFETY CHAIN PER THE MANUFACTURERS SPECIFICATIONS INCLUDED WITH THE SAFETY CHAIN HARDWARE.

FASTEN ALL EXTERIOR SIDING TRIM WITH 7/16" X 1" x 16 GA. STAPLES (OR EQUIVALENT) 6" O.C. MAXIMUM THROUGH SHEATHING INTO WALL OR FLOOR FRAMING.

### (UNDER HOME VENTILATION)

WHEN ENCLOSING THE SPACE FROM THE BOTTOM OF YOUR HOME TO THE GROUND (SKIRTING, FOUNDATION WALLS, OR OTHER METHODS) THE AMOUNT OF VENTILATION REQUIRED IS TO BE DONE TO THE LOCAL CODES AND INSPECTED BY THE AUTHORITIES HAVING JURIDICATION.



JACOBSEN HOMES

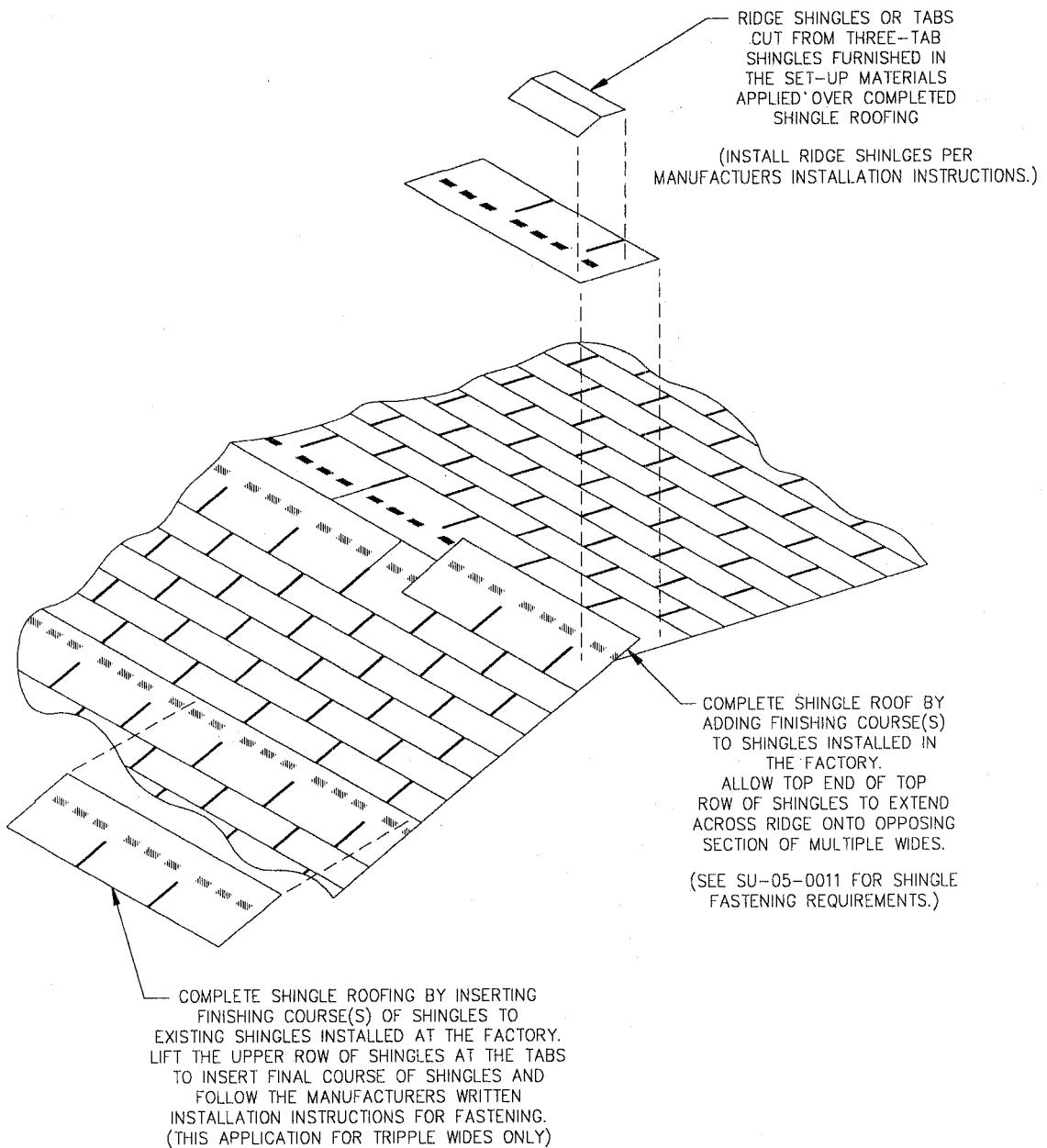
P.O. BOX 368  
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PHONE (727) 726-1138

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DRAWN BY: M.T. DATE: 12-22-94  
DRAWING TITLE: SET UP NOTES  
DRAWING NUMBER: SU-05-0001

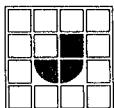
REV. LETTER: A  
02-12-08

## EXTERIOR ROOFING CLOSE-UP



### NOTES:

1. RIDGE SHINGLES ARE FACTORY APPLIED ON TRIPPLE WIDE HOMES, AND MUST BE APPLIED DURING SET-UP FOR DOUBLE WIDE HOMES.



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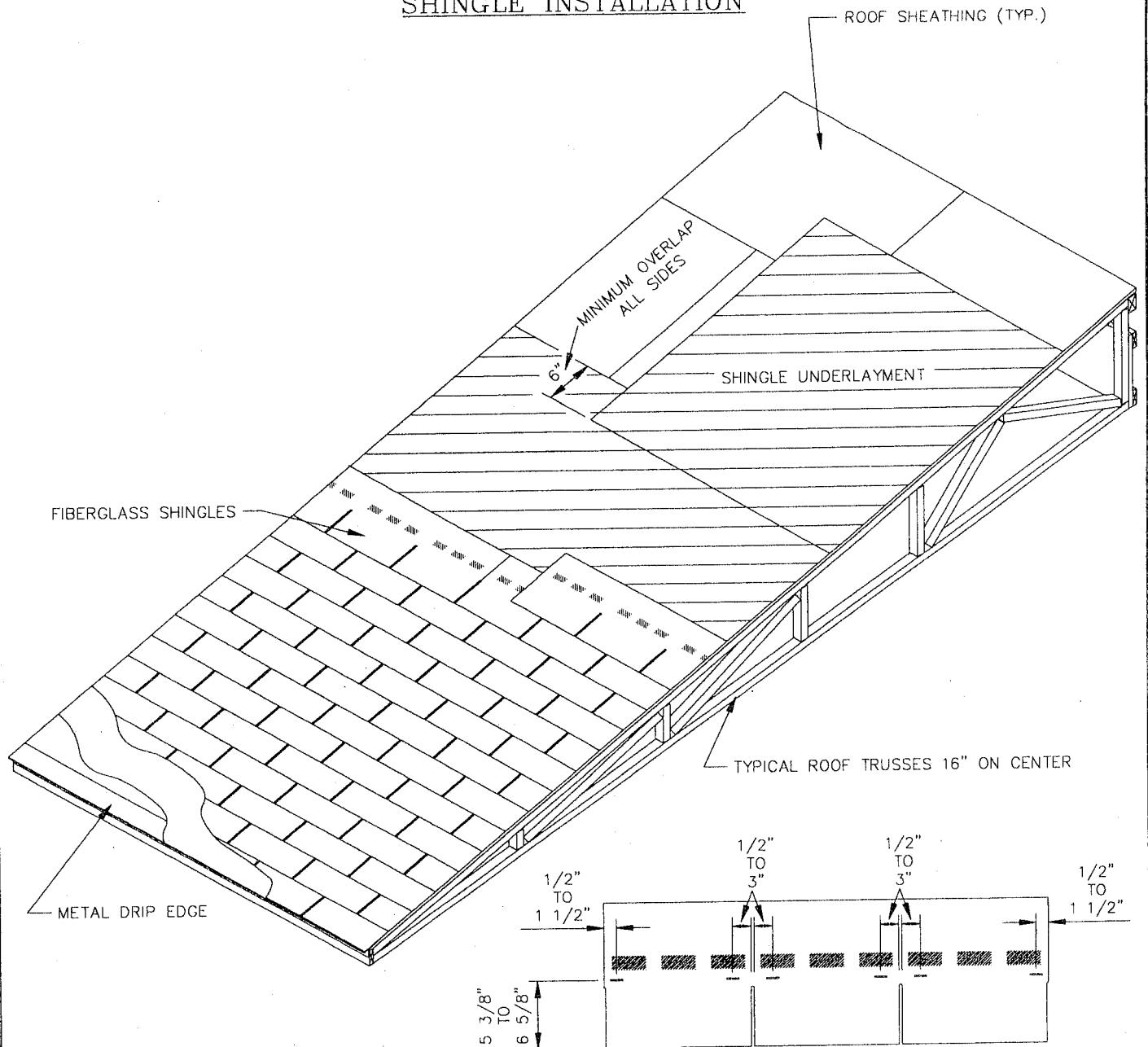
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DRAWN BY:	S.A.	DATE:	6-6-94
DRAWING TITLE:	EXTERIOR ROOFING CLOSE-UP		
DRAWING NUMBER:	SU-05-0010		

REV. LETTER:

—

## SHINGLE INSTALLATION



SEE PAGE RC-19-0002

### NOTES:

1. SHINGLES FASTENED W/ MIN. 1" X 3/4" X 16 GA. STAPLES AS SHOWN IN THE SHINGLE FASTENING DETAIL. IF A STAPLE IS OVER-DRIVEN, PROPERLY INSTALL ANOTHER STAPLE RIGHT OR LEFT OF OVER-DRIVEN STAPLE AND SEAL OVER-DRIVEN STAPLE WITH ROOFING CEMENT.
2. WHEN METAL DRIP EDGE IS INSTALLED, IT IS NOT NECESSARY FOR SHINGLES TO OVERHANG THE RAKE (FRONT & REAR) EDGE OF THE ROOF.
3. SHINGLE UNDERLayment FASTENED TO DECKING W/ MIN. 3/8" X 3/4" X 18 GA. STAPLES MIN. (TACKED DOWN UNTIL SHINGLES ARE APPLIED).
4. METAL DRIP EDGE FASTENED TO DECKING W/ MIN. 3/8" X 3/4" X 18 GA. STAPLES 12" O.C. MAXIMUM.
5. SHINGLE ROOF COVERINGS WHICH ARE SECURED W/ 6 FASTENERS PER SHINGLE THROUGH AN UNDERLayment WHICH IS CEMENTED DOWN TO 3/8" STRUCTURAL RATED ROOF SHEATHING NEED NOT BE EVALUATED FOR DESIGN WIND PRESSURES.

NOTE:  
SHINGLES INSTALLED PER MANUFACTURERS INSTALLATION INSTRUCTIONS ONLY WHEN SPECIFIC APPLICATIONS ARE NOT COVERED WITHIN THIS MANUAL.



JACOBSEN HOMES

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PHONE (813) 726-1138

### SHINGLE INSTALLATION

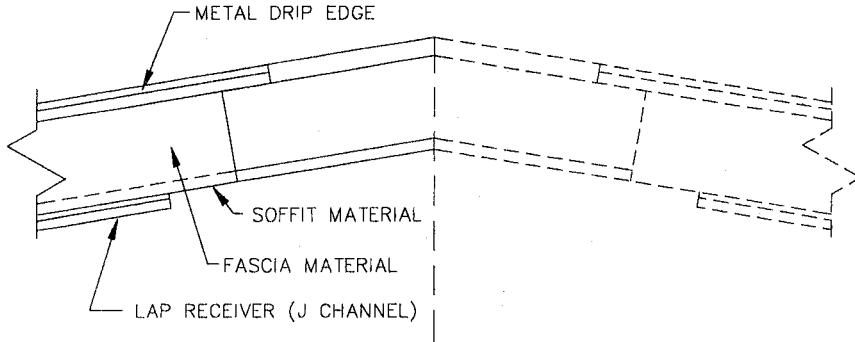
© 6-6-94

REVISIONS:

DATE: 12-21-94

SU-05-0011

EXTERIOR FINISH CLOSE-UP  
SOFFIT AND FASCIA APPLICATION DETAIL

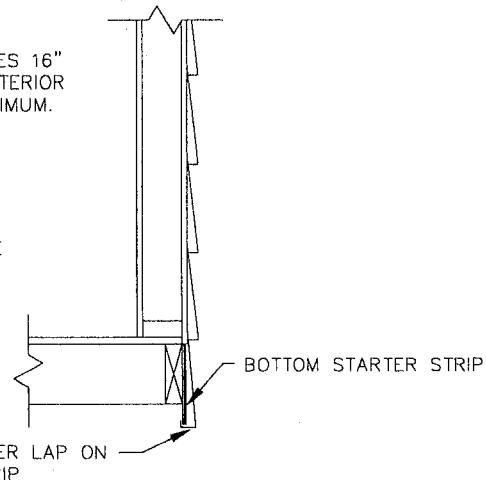


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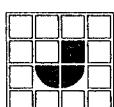
1. ALL MATERIALS REQUIRED FOR ON SITE COMPLETION OF THE LAP SIDING APPLICATION IS SHIPPED INSIDE THE HOME WITH THE SET-UP KIT.
2. FIRST LOCATE AND SECURE THE SOFFIT MATERIAL TO EACH SECTION OF THE HOME WITH EITHER STAPLES, NAILS, OR SHEET METAL SCREWS 6" O.C.
3. NEXT LOCATE AND SECURE THE FASCIA MATERIAL IN THE SAME MANNER AS LISTED ABOVE FOR THE SOFFIT.
4. THEN COMPLETE THE APPLICATION OF BOTH THE METAL DRIP EDGE AND THE LAP SIDING RECEIVER.
5. AFTER ALL PARTS HAVE BEEN JOINED AT THE MATING EDGES OF EACH SECTION OF THE HOME, BEGIN WITH THE LAP SIDING APPLICATION. START THE LAP SIDING APPLICATION AT THE BOTTOM OF THE HOME AS SHOWN IN THE LAP SIDING APPLICATION DETAIL BELOW. ALL TRIM AROUND OPENINGS (ie. WINDOWS AND DOORS) IS COMPLETED BEFORE THE HOME IS SHIPPED. LEAVE AMPLE ROOM AT ALL TRIM FOR THE LAP SIDING TO EXPAND AND CONTRACT WITH TEMPERATURE CHANGES. FOR ANY ADDITIONAL INFORMATION REQUIRED SEE THE MANUFACTURERS INSTALLATION INSTRUCTIONS PLACED INSIDE THE SET-UP KIT SHIPPED WITH THE HOME.

LAP SIDING FASTENING:

1. SECURE HORIZ. LAP SIDING W/ MIN. 7/16" X 1" X 16 GA. STAPLES 16" O. C. MAXIMUM THROUGH SHEATHING INTO STUD. SECURE ALL EXTERIOR TRIM W/ MIN. 7/16" x 5/8" x 16 GA. STAPLES AT 6" O. C. MAXIMUM.
2. WITH METAL LAP STAPLE CROWNS MAY BE EITHER PARALLEL OR PERPENDICULAR TO NAILING FLANGE WITH BOTH LEGS OF STAPLE PENETRATING THE NAILING FLANGE.
3. WITH VINYL SIDING STAPLE CROWNS TO BE PERPENDICULAR TO NAILING FLANGE WITH ONE LEG CENTERED IN SLOT AND OTHER LEG ON OUTSIDE OF NAILING FLANGE WITH APPROX. 1/32" SPACE BETWEEN STAPLE CROWN AND NAILING FLANGE.
4. ALL FASTENERS TO BE WEATHER RESISTANT.



LAP SIDING APPLICATION DETAIL



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DRAWN BY:	S.A.	DATE:	12-22-94	REV. LETTER:
DRAWING TITLE:	EXTERIOR FINISH CLOSE-UP			
DRAWING NUMBER:	SU-05-0020			

MOBILE HOME SET-UP/CLOSE-UP  
SITE INSTALLED EXTERIOR SIDING APPLICATION

SEE OTHER DETAILS (SU-05-0031 THRU 0034) FOR PLAN VIEW DETAILS IDENTIFYING AREAS REQUIRING EXTERIOR SIDING TO BE SITE INSTALLED. SEE SU-05-0020 FOR LAP SIDING FASTENING, AND SOFFIT AND FACIA APPLICATION. ALL AREAS WHERE THE EXTERIOR SIDING MATERIALS EXTEND ACROSS THE MATING LINE BETWEEN MULTIPLE WIDE UNITS ARE REQUIRED TO BE FINISHED ON SITE TO PREVENT A CONTINUOUS SEAM IN THE EXTERIOR SIDING LOCATED AT THE MATING LINE(S) OF THE HOME.

ALL TRIM AND EXTERIOR SIDING MATERIALS ARE PROVIDED IN THE HOME SET-UP KIT FOR COMPLETION OF ALL EXTERIOR SIDING APPLICATIONS FOR THE HOME. THE STARTER STRIP FOR THE LAP SIDING APPLICATION IS INSTALLED AT THE FACTORY TO ENSURE STRAIGHT ALIGNED APPLICATION OF THE SIDING. ALL TRIM MATERIALS NOT REQUIRING FASTENING TO MORE THAN ONE SECTION OF MULTIPLE SECTION HOMES IS ALSO FACTORY INSTALLED TO ENSURE PROPER CLEARANCES AND AN ASSURED MATCH TO THE REMAINDER OF THE HOME.

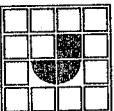
ALL TRIM MATERIALS SECURED TO MORE THAN ONE SECTION OF THE HOME ARE TO BE FASTENED TO THE WALL FRAMING MEMBERS WITH MIN. 7/16" X 5/8" X 16 GA. STAPLES OR 1" ROOFING NAILS 6" O.C. MAXIMUM. TAKE CARE IN LOCATING TRIM MATERIALS TO ENSURE PROPER ALIGNMENT WITH THE FACTORY INSTALLED MATERIALS. ALL FASTENERS USED MUST BE WEATHER RESISTANT TO INSURE DURABILITY.

ENCLOSED WITH THE EXTERIOR SIDING MATERIALS ARE THE MANUFACTURERS INSTALLATION INSTRUCTIONS DETAILING THE RECOMMENDED INSTALLATION PROCEDURES AND SPECIFICATIONS FOR THE TYPE OF SIDING BEING USED ON THE HOME.

CAREFULLY EXAMINE THE MANUFACTURERS INSTALLATION INSTRUCTIONS BEFORE ANY ATTEMPT TO COMPLETE THE REQUIRED INSTALLATION OF THE EXTERIOR SIDING MATERIALS. SHOULD FOR ANY REASON THE MANUFACTURERS INSTALLATION INSTRUCTIONS BE LOST OR MISSING, CONTACT JACOBSEN HOMES AT 901 4th Street North Safety Harbor, Florida 34695 OR CALL (813) 726-1138 FOR REQUESTING THE INSTALLATION INSTRUCTIONS.

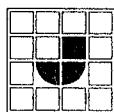
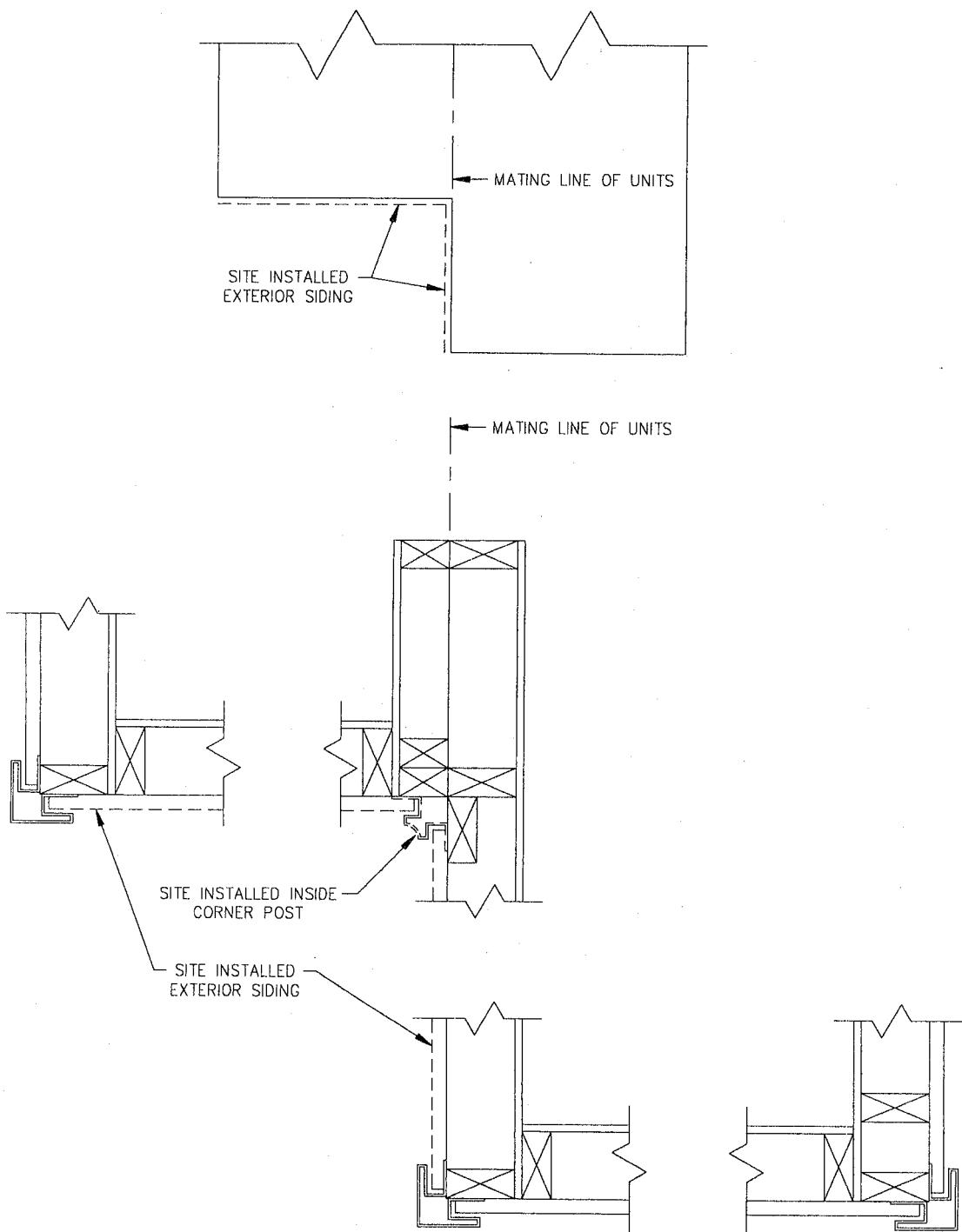
SKIRTING MUST BE ATTACHED IN A MANNER SO THE VINYL WILL SLIDE (EXPAND AND CONTRACT).

WHEN 6 MIL PLASTIC UNDER HOMES, THE VENTILATION OF THE CRAWL SPACE CAN BE REDUCED TO 1 SQUARE FEET OF VENTILATION PER EVERY 1500 SQUARE FEET.

 <b>JACOBSEN HOMES</b> P.O. BOX 368 SAFETY HARBOR, FLORIDA 34695 PHONE (727) 726-1138	<b>NOTICE:</b> THESE SPECIFICATIONS AND DRAWINGS ARE ORIGINAL, PROPRIETARY, AND CONFIDENTIAL MATERIALS OF JACOBSEN MANUFACTURING INC. SUCH MATERIALS ARE PROVIDED TO THE RECIPIENT FOR SPECIFIC PURPOSES AND MUST BE KEPT CONFIDENTIAL AND SECRET FROM OTHERS.	DRAWN BY: O.A.   DATE: 06-06-94	REV. LETTER:  <b>A</b> (09-30-08)
		DRAWING TITLE: EXTERIOR SIDING APPLICATION	
		DRAWING NUMBER: SU-05-0030	

## MOBILE HOME SET-UP/CLOSE-UP

### SITE INSTALLED EXTERIOR SIDING APPLICATION (FOR SLIP UNIT MULTIPLE WIDES)



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DRAWN BY:	S.A.	DATE:	6-6-94	REV. LETTER:
DRAWING TITLE:	EXT.SID.APPL. FOR SLIP UNIT			
DRAWING NUMBER:	SU-05-0031			

APPROVED BY



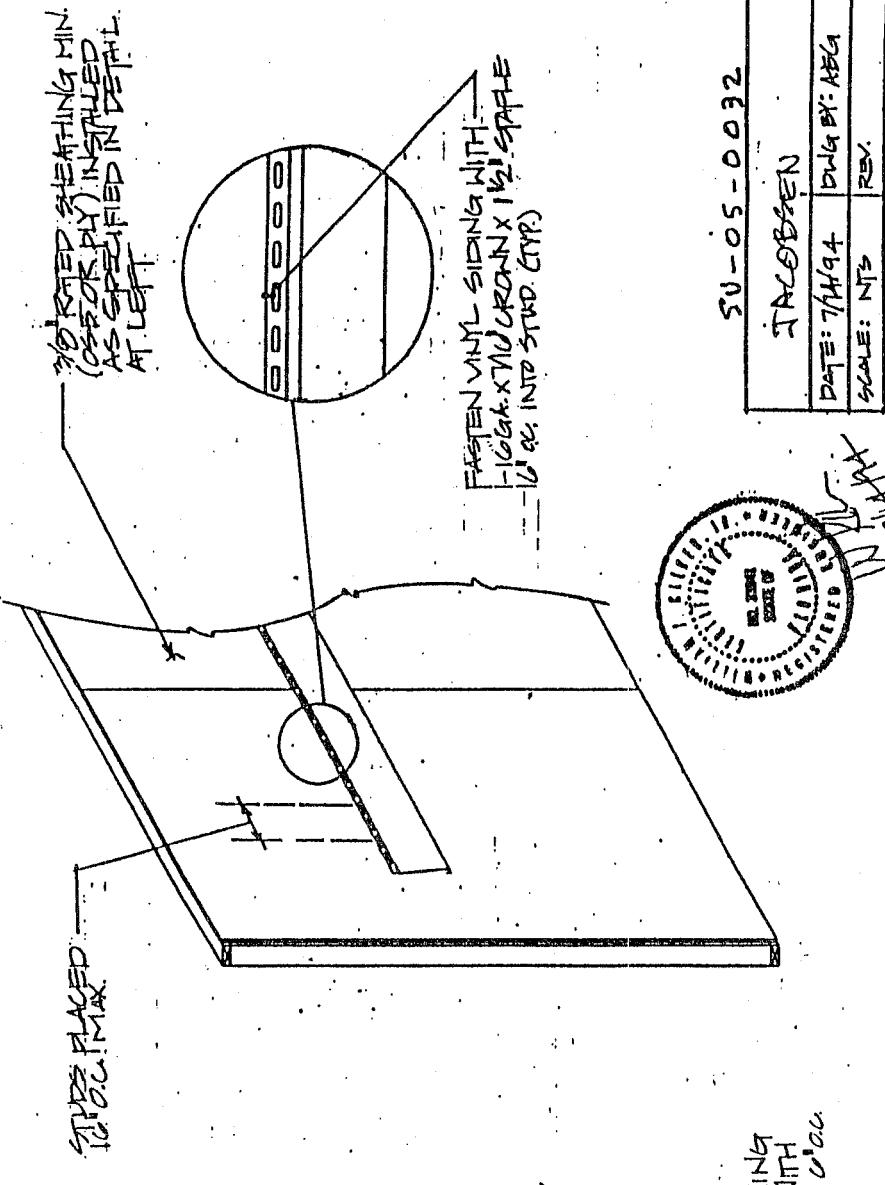
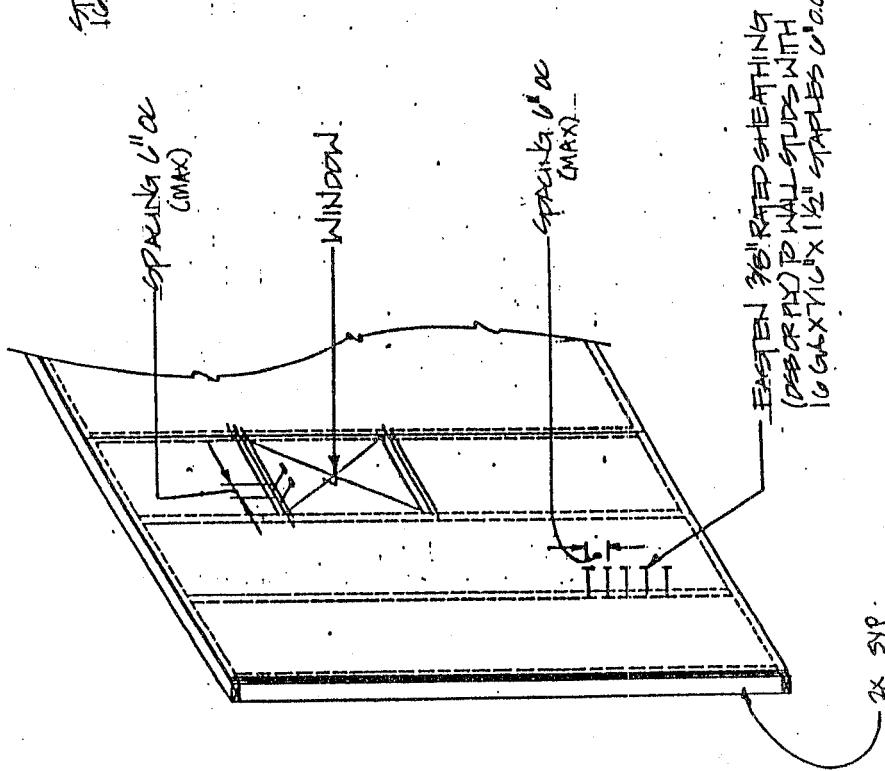
JUL 13 1994

CONSTRUCTION AND SAFETY INSURANCE

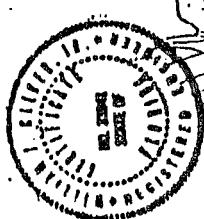
EXTERIOR WALL SHEATHING  
INSTALLATION (UNDER VINYL SIDING)

VARIIFORM

VINYL SIDING INSTALLATION (C.R.P. STUDS)  
(.035" MIN. VINYL THICKNESS)



FASTEN VINYL SIDING WITH  
1/2" GALV. X 1 1/2" SPLASH  
INTO STUD (C.R.P.)



SV-05-0032

TALEBZEEB

Date: 7/14/94 Drawn by: ABGA

Scale: NTS Rev.

Type: VINYL SIDING INSTALLATION

Date No. UAH-1-B

W. KALKER ASSOC.

ZONE 2 AND 3

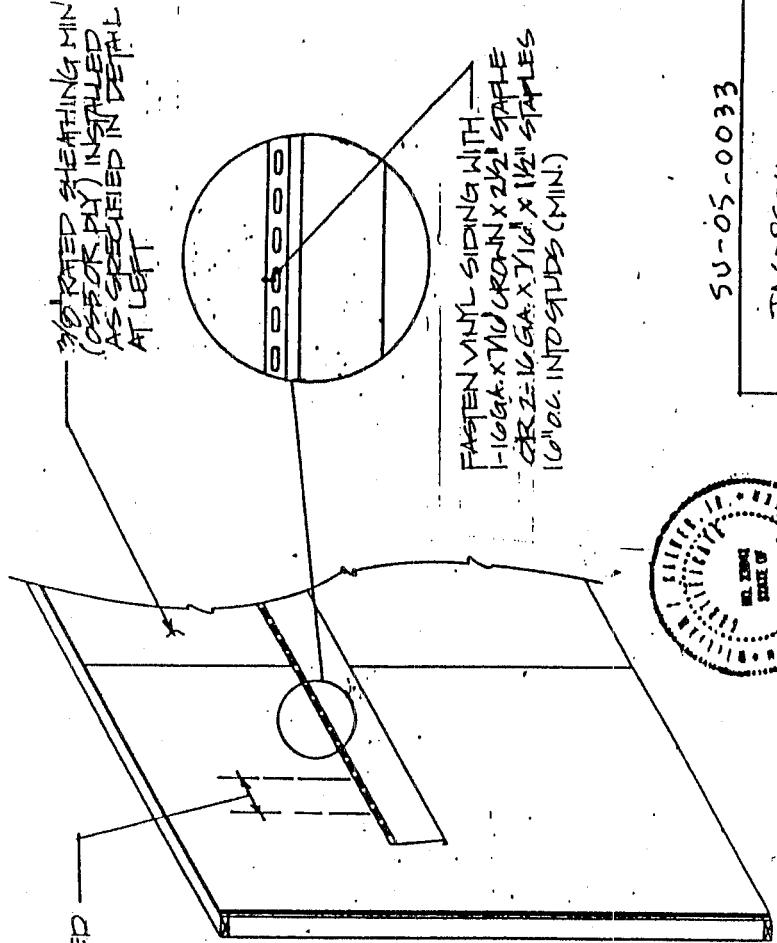
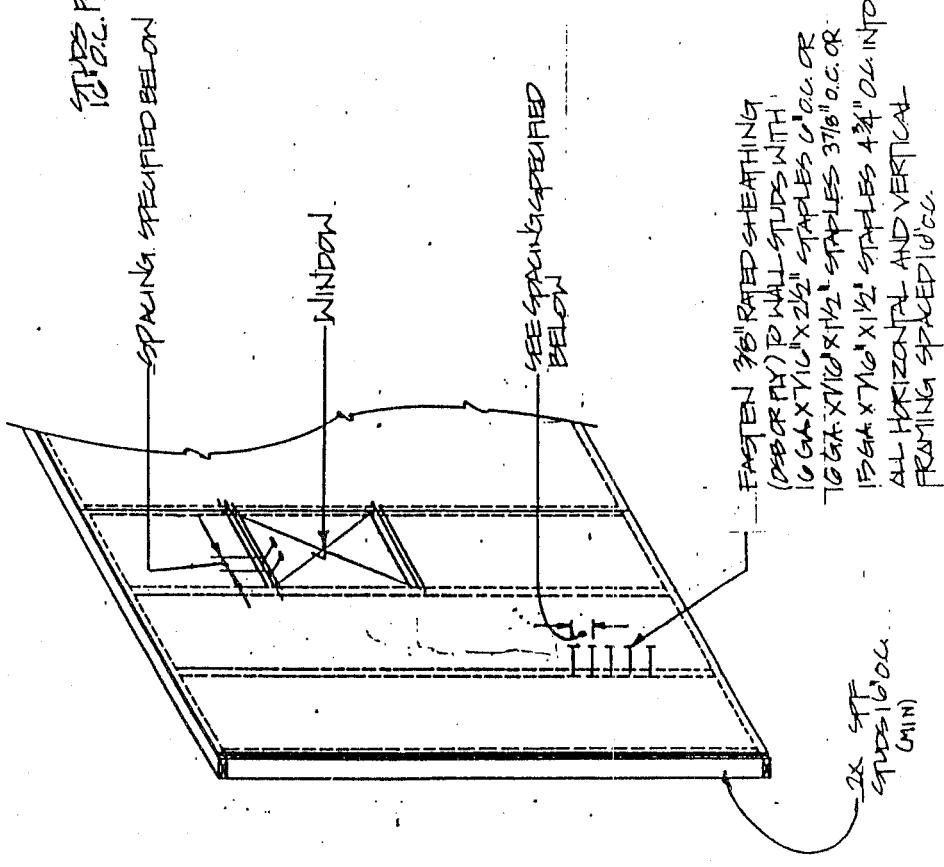
APPROVED BY



JUL 13 1994

EXTERIOR WALL SHEATHING  
INSTALLATION (UNDER VINYL SIDING)

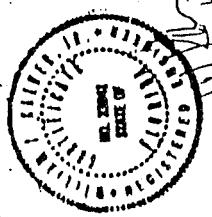
VINYL SIDING INSTALLATION (SPF STUDS)  
(-0.35" MIN. VINYL THICKNESS)



SU-05-0033

JACOBSEN

DATE: 7/14/94	DRG BY: ABGA
SCALE: NTS	REV:
TYPE: VINYL SIDING INSTALLATION	
DRA. NO. WALL 1-A	



ZONE 2 AND 3

## MOBILE HOME SET-UP

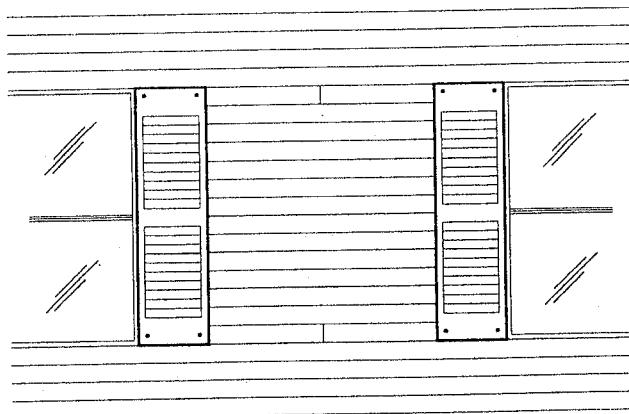
### SHUTTER INSTALLATION:

SHUTTERS ARE NORMALLY FASTENED BY SCREWING DIRECTLY THROUGH THE VINYL SIDING. THIS TENDS TO RESTRICT SIDE-TO-SIDE MOVEMENT OF THE VINYL SIDING PANELS. HOWEVER, SEVERAL THINGS CAN BE DONE TO ELIMINATE BUCKLING OR OIL CANNING OF THE VINYL SIDING IN THESE AREAS:

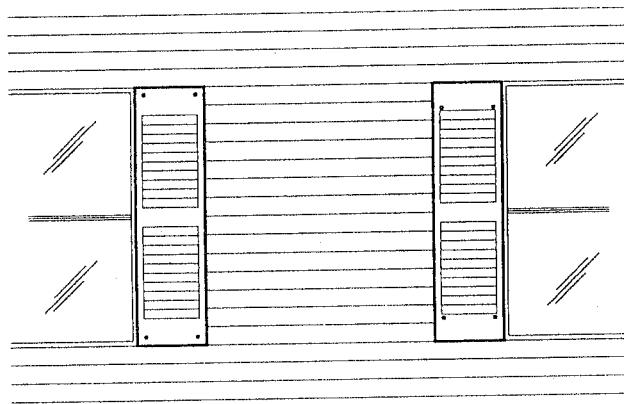
- A. WHEN PANELS RUN FROM WINDOW AREA TO A CORNER POST OR OR J-CHANNEL (OR ANY TYP. VINYL SIDING TRIM) AT THE OPPOSITE END, BE SURE TO LEAVE PROPER CLEARANCE IN THE "POCKET" - THEN SIDING WILL EXPAND TOTALLY IN THAT DIRECTION.
- B. TWO SHUTTERS BETWEEN WINDOWS:  
THE PANELS THAT WILL BE RESTRICTED BY THE SHUTTER SCREWS SHOULD BE SHORTER LENGTHS (SEAM BETWEEN WINDOWS - NOT ONE CONTINUOUS PIECE OF VINYL) - SIMPLY OVERLAP TWO PANELS IN THIS AREA. PANELS WILL THEN EXPAND TOWARD THE OVERLAP JOINT (SEE DETAIL "A").

OR

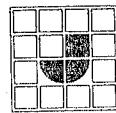
STAGGER THE SHUTTER SCREWS - INSTALL FIRST SHUTTER, TAKE NOTE OF WHICH PANELS ARE RESTRICTED BY THE SCREWS. THEN INSTALL THE OPPOSITE SHUTTER, POSITION THE SCREWS FOR THIS SHUTTER THROUGH PANELS EITHER ABOVE OR BELOW THE PANELS RESTRICTED BY THE SCREWS FROM THE FIRST SHUTTER. BY DOING THIS THE PANELS OF VINYL SIDING WILL BE ABLE TO EXPAND IN AT LEAST ONE DIRECTION, SO LONG AS PROPER CLEARANCE HAS BEEN MAINTAINED IN THE "POCKET" AREA OF THE CHANNEL.  
(SEE DETAIL "B")



DETAIL "A"



DETAIL "B"



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DRAWN BY:	S.A.	DATE:	6-6-94	REV. LETTER:
DRAWING TITLE:	SHUTTER INSTALLATION			
DRAWING NUMBER:	SU-05-0034			

## MOBILE HOME SET-UP

### TIEDOWNS

THERE ARE TWO TYPES OF WIND THAT CAUSE DAMAGE: HORIZONTAL AND UPLIFT. YOUR HOME IS DESIGNED FOR THE HURRICANE ZONE (ZONE III). IF YOU FOLLOW OUR RECOMMENDATIONS YOU WILL PROTECT YOUR HOME FROM BOTH TYPES OF WIND FORCES.

IN TIEING DOWN YOUR HOME, YOU MUST USE MATERIALS OF ADEQUATE STRENGTH AND SPECIFICATIONS.

ANCHORING EQUIPMENT- (LOAD RESISTANCE) ANCHORING EQUIPMENT SHALL BE CAPABLE OF RESISTING AN ALLOWABLE WORKING LOAD EQUAL TO OR EXCEEDING 3,150 POUNDS AND SHALL BE CAPABLE OF WITHSTANDING A 50 PERCENT OVERLOAD (4,725 POUNDS TOTAL) WITHOUT FAILURE OF THE ANCHORING EQUIPMENT.

ANCHORING EQUIPMENT- (WEATHERIZATION) ANCHORING EQUIPMENT (STRAPS, ETC...) EXPOSED TO WEATHERING SHALL HAVE A RESISTANCE TO WEATHER DETERIORATION AT LEAST EQUIVALENT TO THAT PROVIDED BY A COATING OF ZINC ON STEEL OF NOT LESS THAN 0.30 OUNCES PER SQUARE FOOT OF SURFACE COATED, AND IN ACCORDANCE WITH THE FOLLOWING:

SLIT OR CUT EDGES OF ZINC-COATED STEEL STRAPPING NEED NOT BE ZINC COATED.

TIE-DOWN STRAPS SHALL BE TYPE 1, FINISH B, GRADE 1 STEEL STRAPPING, 1 1/4 INCHES WIDE AND 0.035 INCHES IN THICKNESS, CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER OR ARCHITECT AS CONFORMING WITH ASTM STANDARD SPECIFICATION D3953-91, STANDARD SPECIFICATION FOR STRAPPING, FLAT STEEL, AND SEALS.

### ANCHORING NOTE:

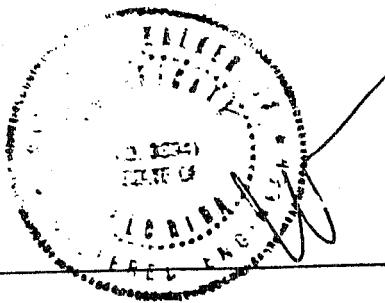
THERE IS A TENDENCY FOR THE TOP OF THE ANCHOR ROD TO DEFLECT AND MOVE OR "SLICE" THROUGH THE SOIL WHEN LOADED WITH THE FRAME TIE. THIS IS NOT DESIRABLE, SINCE IT PERMITS THE MOBILE HOME TO BE DISPLACED DOWNWIND AND TEND TO SLIDE OFF THE PIERS. TO MINIMIZE DEFLECTIONS, AUGER-TYPE AND OTHER ANCHORS USING STEEL RODS SHOULD BE PUT ON AT AN ANGLE SO THEY ARE MORE IN LINE WITH THE DIRECTION OF PULL. THIS CAN BEST BE ACCOMPLISHED BY INSTALLING THE ANCHORS PRIOR TO PLACEMENT OF THE MOBILE HOME ON THE LOT. IF VERTICAL ANCHORS ARE DESIRED, THE ANCHOR MUST BE LISTED FOR USE VERTICALLY AT THE CAPACITY REQUIRED FOR THE STRAPPING BEING ATTACHED.

### APPROVED BY



JUL 13 1994

CAUTION: DO NOT PRETENSION TIE-DOWN STRAPS ON ONE SIDE OF THE HOME ONLY. IF TENSION IS NOT APPLIED TO TIE-DOWNS ALTERNATELY ON OPPOSITE SIDES, THE HOME MAY BE PULLED OFF THE SUPPORTS.



6-6-94

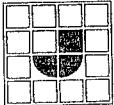
SU-07-0001

## TIE-DOWN STRAPS

SEE ADDENDUM TO SET-UP MANUAL FOR  
SPECIFIC TIE-DOWN INFORMATION.

THE DETAILS IN THIS MANUAL ARE ONLY TYPICALS, SEE ADDENDUM FOR SPECIFICS.

DANGER: DO NOT PRETENSION TIE-DOWN STRAPS ON ONE SIDE OF THE HOME ONLY. IF TENSION IS NOT APPLIED TO TIE-DOWNS ALTERNATELY ON OPPOSITE SIDES, THE HOME MAY BE PULLED OFF THE SUPPORTS.

 <b>JACOBSEN HOMES</b> P.O. BOX 368 SAFETY HARBOR, FLORIDA 34695 PHONE (727) 726-1138	NOTICE:	DRAWN BY:	S.A.	DATE:	7-20-94	REV. LETTER: ____
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		DRAWING NUMBER:	SU-07-0002			

## MOBILE HOME SET-UP/ELECTRICAL

### ELECTRICAL CONNECTIONS BETWEEN HOME SECTIONS

NOTE: NO ELECTRICAL POWER SHOULD BE CONNECTED TO HOMES WHILE MAKING ELECTRICAL CONNECTIONS.

ALL ELECTRICAL WORK SHOULD BE DONE BY A QUALIFIED ELECTRICIAN.

### MATERIAL SUPPLIED

1. APPROPRIATE NUMBER OF JUNCTION BOXES TO MAKE 2 CONNECTIONS PER JUNCTION BOX. (SHIPPED LOOSE IN THE SET-UP KIT)
2. WIRE NUTS.
3. JUNCTION BOX COVERS.

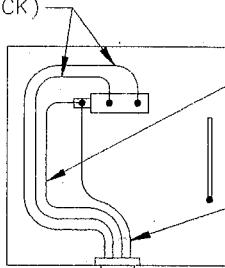
### INSTRUCTIONS

- A. SECURE JUNCTION BOXES UNDER HOME.
- B. WIRES HAVE BEEN COLOR CODED; SIMPLY MATCH UP COLOR CO-ORDINATED WIRES WITHIN A JUNCTION BOX AND CONNECT WITH WIRE NUTS.
- C. PLACE COVERS OVER JUNCTION BOXES.

### OMITTED CEILING FIXTURES

FIXTURES TO BE INSTALLED AT THESE LOCATIONS MUST BE A TWO WIRE FIXTURE WITH GROUND. INSTALL ALL FIXTURES BEFORE TURNING ON MAIN BREAKERS.

HOT LEADS (RED & BLACK)  
CONNECTED TO MAIN  
BREAKER



NOTE: SEE BELOW  
FOR SERVICE  
CONDUCTOR  
SIZES

NO. 6 BARE COPPER GROUNDING  
ELECTRODE CONDUCTOR BONDED TO  
NEUTRAL BUS IN SERVICE PANEL, EXTEND  
TO GROUNDING ELECTRODE PER NEC 250-83

MINIMUM CONDUIT SIZES:  
1 1/2" MINIMUM - 150 AMP  
2" MINIMUM - 200 AMP

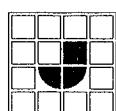
CONDUIT DROP FROM HOME - EXTEND  
TO BELOW GROUND LEVEL OR SEE  
LOCAL CODES

### TYPICAL ELECTRICAL CONNECTIONS

CROSS-OVER CONNECTIONS			
CROSS-OVER			
INFORMATION APPLIES			
TO MULTI-SECTION UNITS			
CROSS-OVER WIRES ARE COLOR-CODED			
SERVICE CONDUCTORS			
MAIN BREAKER	HOT	NEUTRAL	GROUND
150	(2) NO. 1	NO. 1	NO. 6
200	(2) NO. 2/0	NO. 2/0	NO. 6
NOTE: ABOVE SERVICE CONDUCTORS ARE FOR COPPER ONLY. FOR COPPER-CLAD ALUMINUM REFER TO LOCAL CODES			

### ELECTRICAL PANEL LABEL

THIS LABEL IS LOCATED ON OR NEAR THE ELECTRICAL PANEL.  
THE MINIMUM SIZE JUNCTION BOX ATTACHED TO THE CONDUIT FOR SERVICE CONDUCTORS ARE:  
9" X 9" X 4" - 150 AMP OR 12" X 12" X 4" - 200 AMP



JACOBSEN HOMES

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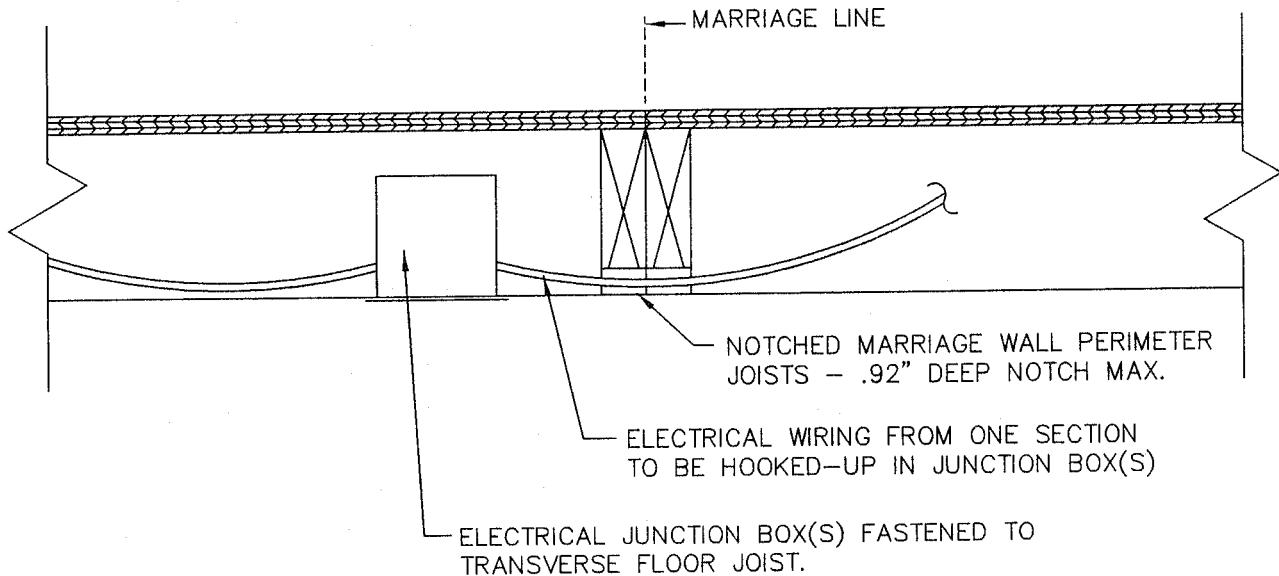
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DRAWN BY:	D.M.T.	DATE:	01-24-02
DRAWING TITLE:	SET-UP/ELECTRICAL		
DRAWING NUMBER:	SU-09-0001		

REV. LETTER:

A

## ELECTRICAL CROSS-OVER & TESTING PROCEDURES



AFTER ALL ELECTRICAL WIRING CONNECTIONS ARE MADE, SYSTEM MUST BE INSPECTED AND TESTED. (FOR CONTINUITY TEST PROCEDURES SEE SU-09-0020)

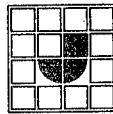
TESTING THE POLARITY OF THE ELECTRICAL SYSTEM WILL REQUIRE TEST EQUIPMENT CAPABLE OF DETERMING INCORRECT WIRING CONFIGURATIONS, AND ALSO SHOULD INCLUDE ADAPTERS FOR VARIOUS CONFIGURATIONS (POLARITY TESTER). USING THIS DEVICE ALL ELECTRICAL CONNECTIONS (INCLUDING OUTSIDE FIXTURES SUCH AS HEAT TAPE RECEPTACLE) ARE INDIVIDUAL TESTED TO ENSURE ALL CONNECTIONS HAVE BEEN PROPERLY MADE. A PIGTAIL CIRCUIT TESTER MAY BE USED AS AN ALTERNATE TEST METHOD FOR LIGHT FIXTURES. PIGTAIL TEST IS AS FOLLOWS: HOT IN BASE OF SOCKET TO GROUNDED FIXTURE CANOPY (LIGHT MUST LIGHT), NEUTRAL TO FIXTURE CANOPY (LIGHT MUST NOT LIGHT), AND A GROUND CHECK TO DETERMINE NO OPEN GROUND. FAILURE AT ANY FIXTURE REQUIRES REPAIR AND RETEST.

NOTE: ALL GROUND LEADS ARE SECURED TOGETHER AND BONDED TO THE JUNCTION BOXES W/ THE LARGEST SIZE CONDUCTOR IN BOX.

(ALL REQUIRED JUNCTION BOXES ARE SHIPPED LOOSE IN THE SET-UP KIT)

### NOTES:

1. ALL ELECTRICAL WIRING CONNECTIONS TO BE MADE INSIDE LISTED JUNCTION BOX(S) IN COMPLIANCE WITH N.E.C. - 2005
2. WIRING IN LISTED JUNCTION BOX(S) NOT TO EXCEED CAPACITY OF THE JUNCTION BOX(S) PER N.E.C. - 2005.
3. WIRING TO BE PROTECTED AND SECURED AT MARRIAGE WALL JOISTS WITH WIRE PROTECTOR PLATES INCLUDED IN SET-UP KIT.
4. ELECTRICAL CROSSOVER WIRING TO BE DONE ONLY BY QUALIFIED PERSONNEL. MATCHING IDENTIFIED CIRCUIT WIRING FROM EACH SECTION OF MULTIPLE WIDE HOMES.
5. AFTER WIRING CONNECTIONS HAVE BEEN MADE, REPLACE COVER ON JUNCTION BOX(S), AND REPAIR ANY CUTS OR VOIDS IN THE BOTTOM BOARD WITH DUCT TAPE.



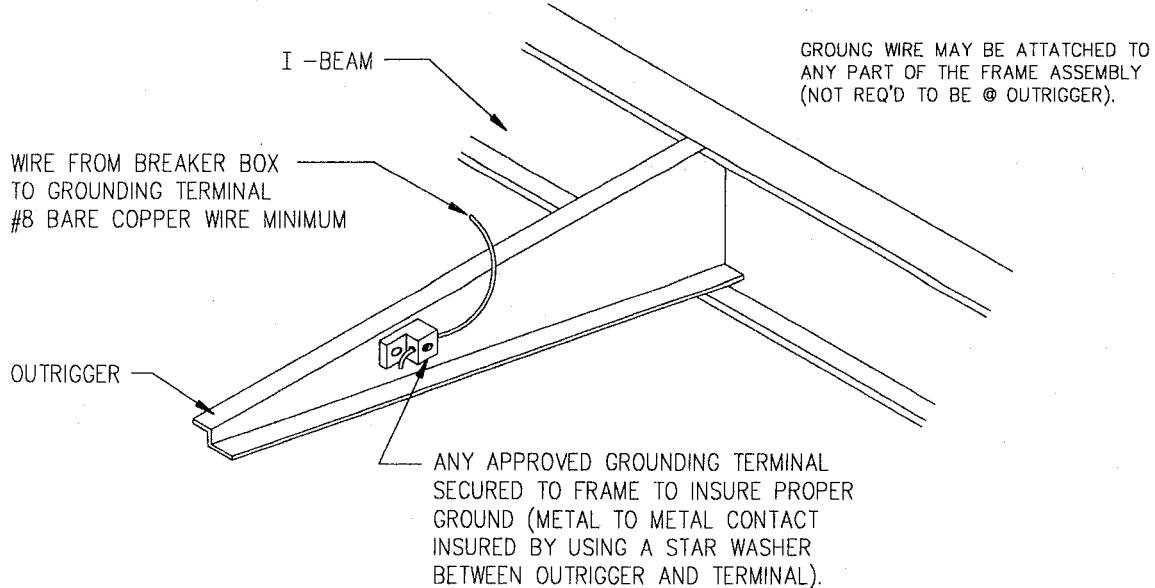
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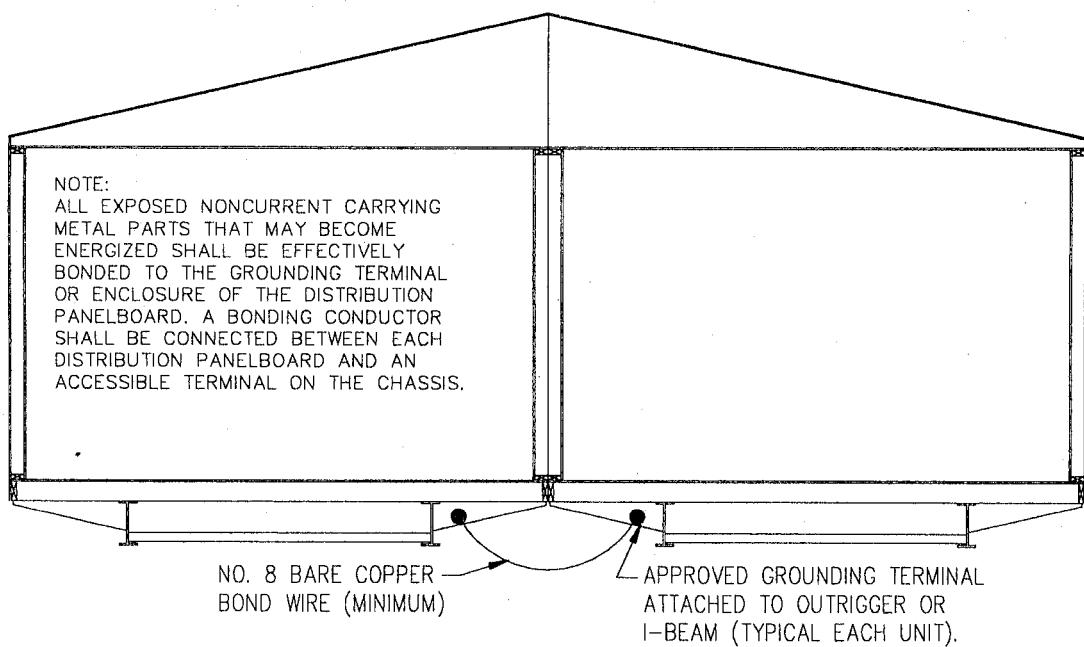
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DRAWN BY:	D.M.T.	DATE:	05-25-06	REV. LETTER:     C (09-29-08)	
DRAWING TITLE:	ELECTRICAL CROSS-OVER				
DRAWING NUMBER:	SU-09-0010				

## MOBILE HOME SET-UP/ELECTRICAL



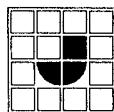
### TYPICAL ELECTRICAL GROUND



### TYPICAL ELECTRICAL BONDING

#### GROUNDING AND CONTINUITY TEST

- THE GROUNDING CONTINUITY TEST MUST BE PERFORMED BEFORE THE FEEDER CONDUCTORS ARE CONNECTED. PERFORM THE FOLLOWING TEST AFTER ALL STRUCTURAL ASSEMBLY, METAL AND TRIM INSTALLATION IS FINISHED:
- CONNECT ONE CLIP OF A FLASHLIGHT CONTINUITY TESTER TO A CONVENIENT GROUND (METAL SKIN, WINDOW FRAME ON METAL SKINNED UNITS, FLOOR DUCT RISER, SCREW HEAD ON RECEPTACLE OR SWITCH PLATE, ETC.) AND TOUCH THE OTHER CLIP TO EACH LIGHT FIXTURE CANOPY (WHERE LIGHT IS MOUNTED TO CEILING OR WALL). THE CONTINUITY TESTER SHOULD LIGHT IF EACH FIXTURE IS PROPERLY GROUNDED.
  - REPEAT THESE PROCEDURES FOR ALL DIRECT WIRED APPLIANCES AND FIXTURES.
  - USING THE SAME PROCEDURES, CHECK THE CONTINUITY BETWEEN THE FOLLOWING:
    - BETWEEN METAL ROOF AND STEEL FRAME.
    - BETWEEN METAL SKIN AND STEEL FRAME.
    - BETWEEN STEEL FRAME AND GAS PIPING.
  - ANY LOSS OF GROUNDING CONTINUITY FOUND IN THE ABOVE WILL REQUIRE INVESTIGATION, CORRECTION, AND RETESTING FOR CONTINUITY.



JACOBSEN HOMES

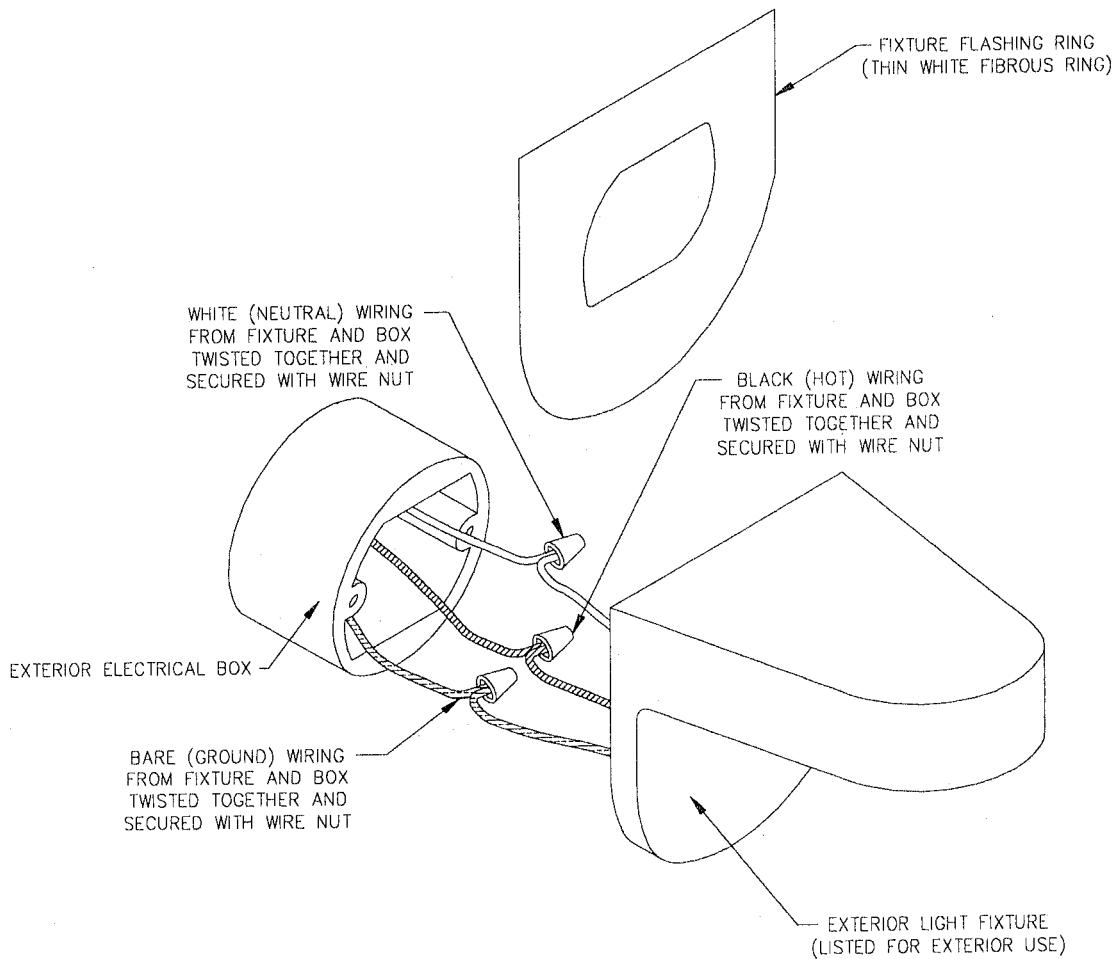
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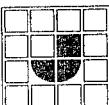
DRAWN BY:	S.A.	DATE:	6-6-94	REV. LETTER:
DRAWING TITLE:	TYPICAL ELECTRICAL GROUND			
DRAWING NUMBER:	SU-09-0020			

## EXTERIOR LIGHT FIXTURE INSTALLATION

BE SURE ELECTRICAL SERVICE IS DISCONNECTED  
BEFORE COMING IN CONTACT WITH ELECTRICAL CONDUCTORS



BEFORE ELECTRICAL SERVICE IS CONNECTED TO THE HOME, INSPECT THE EXTERIOR OF THE HOME AND LOCATE ALL THE EXTERIOR LIGHT LOCATIONS TO BE INSTALLED ON SITE. (ALL EXTERIOR LIGHT FIXTURES IN PORCH AND OTHER AREAS NOT ALONG THE EXTERIOR WALL AREAS OF THE HOME ARE INSTALLED AT THE FACTORY). THE EXTERIOR LIGHT LOCATIONS CAN BE IDENTIFIED AS EXTERIOR ELECTRICAL BOXES IN THE WALLS USUALLY LOCATED ADJACENT TO EXTERIOR DOORS THAT ARE COVERED WITH BLANK (SOLID) COVERS. TO INSTALL THE EXTERIOR LIGHT FIXTURES, REMOVE THE BLANK COVERS FROM THE ELECTRICAL BOXES AND FEED THE THREE WIRES (IDENTIFIED IN THE DETAIL ABOVE) THROUGH THE FIXTURE FLASHING RING BEFORE THE CONNECTIONS OF THE CONDUCTORS ARE MADE. THE FIXTURE FLASHING RINGS MUST EXTEND FROM THE OPENING OF THE ELECTRICAL BOX TO THE OUTERMOST EDGES OF THE EXTERIOR LIGHT FIXTURE (EXCESS AMOUNT OF THE FLASHING RING MAY BE TRIMMED OFF AFTER THE FIXTURE IS SECURED TO THE ELECTRICAL BOX). TO INSURE AGAINST THE POSSIBILITY OF AN ELECTRICAL SHOCK, ALL ELECTRICAL CONNECTIONS SHOULD BE DONE WITH THE ELECTRICAL SERVICE SHUT OFF TO THE HOME. THE WIRE NUTS REQUIRED FOR SECURING THE WIRES WILL BE FOUND INSIDE THE ELECTRICAL BOX FOR THE FIXTURE (THESE WIRE NUTS ARE INSTALLED AT THE FACTORY TO CAP THE CONDUCTORS IN THE ELECTRICAL BOX). THE FIXTURE FLASHING RING IS LOCATED IN THE SHIPPING KIT INSIDE THE HOME.

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## MOBILE HOME SET-UP

### PLUMBING CONNECTIONS

CHECK WATER AND DRAIN LINES FOR ANY CONNECTIONS THAT MAY HAVE COME LOOSE DURING SHIPMENT.

SHOULD YOUR HOME NOT BE EQUIPPED WITH A MASTER SHUT-OFF VALVE, ONE MUST BE INSTALLED BETWEEN THE HOME AND THE WATER SUPPLY.

THE WATER SUPPLY SYSTEM IS DESIGNED FOR A MAXIMUM INLET WATER PRESSURE OF 80 PSI. IF THE LOCAL WATER SUPPLY PRESSURE TO WHICH THE HOME IS BEING CONNECTED EXCEEDS 80 PSI, A PRESSURE REDUCING VALVE SHOULD BE INSTALLED TO LIMIT THE SUPPLY PRESSURE.

WHEN HOMES ARE SET IN AREAS SUBJECT TO FREEZING THE EXPOSED WATER SUPPLY LINES MUST BE PROTECTED. AN ELECTRICAL RECEPTACLE IS LOCATED ON THE UNDERSIDE OF THE HOME NEAR THE WATER INLET, AND NEAR ANY CROSSOVER LOCATION WHERE THE WATER LINES ARE EXPOSED. THESE ELECTRICAL RECEPTACLES ARE FOR THE CONNECTION OF AN ELECTRICAL HEAT TAPE. HEAT TAPE USED MUST BE LISTED FOR USE WITH MOBILE HOMES.

FOR MULTIPLE SECTION HOMES WITH PLUMBING IN MORE THAN ONE SECTION, LOCATE AND CONNECT THE WATER CROSSOVERS LOCATED UNDER THE FLOOR ALONG THE MARRIAGE LINE BETWEEN THE SECTIONS. TURN THE WATER SUPPLY ON AND CHECK FOR LEAKAGE.

CAUTION: DO NOT TURN THE POWER ON TO THE WATER HEATER UNTIL THE TANK IS FULL OF WATER.

CONNECT DRAIN DROP OUTS TO COMPLETE ALL FIXTURE DRAINS AND MAIN DRAIN. BE SURE ALL CONNECTIONS ARE MADE TO COMPLY WITH LOCAL PLUMBING CODES.

### GAS PIPING

HOMES WITH GAS PIPING HAVE BEEN FACTORY TESTED FOR LEAKS, HOWEVER, BEFORE CONNECTING THE GAS SUPPLY TO THE SYSTEM ANOTHER PRESSURE TEST IS REQUIRED TO INSURE THAT THERE ARE NO LEAKS AFTER THE HOME HAS BEEN TRANSPORTED AND SET-UP.

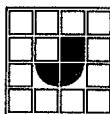
1. CLOSE OFF ALL THE GAS APPLIANCE SHUT OFF VALVES.
2. ATTACH THE GAS TEST FITTING GAUGE.
3. PRESUREIZE THE SYSTEM UNTIL 3 PSI OF AIR PRESSURE IS REACHED.
4. PRESSURE MUST BE MAINTAINED FOR 10 MINUTES WITHOUT ANY INDICATED PRESSURE LOSS.

CAUTION: DAMAGE MAY RESULT IF THE SYSTEM IS OVER PRESSUREIZED, THE GAS PIPING SUPPLY SYSTEM HAS BEEN DESIGNED FOR A MAXIMUM PRESSURE OF 14" WATER COLUMN (1/2 PSI) AND NOT LESS THAN 7" WATER COLUMN (1/4 PSI).

THE GAS PIPING SYSTEM IS DESIGNED TO USE EITHER LIQUIFIED PETROLEUM GAS OR NATURAL GAS.

### BEFORE TURNING THE GAS ON:

1. BE SURE THE APPLIANCES IN YOUR HOME ARE DESIGNED FOR THE TYPE OF GAS BEING CONNECTED.
2. WHERE APPLICABLE ON MULTIPLE WIDE HOMES, LOCATE "QUICK-DISCONNECT" AND CONNECT. THE "QUICK-DISCONNECT" IS LOCATED UNDER THE FLOOR AT THE MARRIAGE LINE.
3. MAKE SURE ALL CONNECTIONS ARE TIGHT, AND ALL APPLIANCES ARE TURNED OFF.
4. AFTER THE GAS HAS BEEN CONNECTED AND TURNED ON, MAKE SURE ALL THE PILOT LIGHTS ARE LIT.



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DRAWN BY: D.M.T. DATE: 3-22-95  
DRAWING TITLE: PLUMB. CON. & GAS TEST  
DRAWING NUMBER: SU-11-0001

REV. LETTER: A  
(09-29-08)

## PLUMBING TESTS

### WATER SUPPLY PIPING TEST

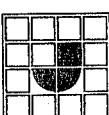
ALL PIPING IN THE WATER DISTRIBUTION SYSTEM SHALL BE SUBJECTED TO A PRESSURE TEST. (MULTI-WIDE UNITS SEE SU-11-0020A FOR CROSS-OVER CONNECTION) PRIOR TO TESTING BE SURE ALL PLUMBING FIXTURES ARE CONNECTED EXCEPT WATER HEATER. CLOSE ALL FAUCETS AND RAISE AND HOLD THE FLOAT ARM IN THE TOILET TANK TO SHUT-OFF LEVEL. ALL SHUT-OFF VALVES IN PIPING SYSTEM ARE OPENED FULLY (EXCEPTIONS ARE DISHWASHER AND ICE-MAKER SHUT-OFF VALVE WHICH WILL REMAIN CLOSED) TAKE THE HOT AND COLD SUPPLY LINES AT WATER HEATER AND (FOR TEST PROCEDURE ONLY) CONNECT THEM TOGETHER. OR IF YOU CHOOSE YOU MAY TEST HOT LINES AND COLD LINES SEPARATELY (IN THIS CASE DO NOT CONNECT HOT TO COLD AT WATER HEATER). CONNECT TEST GAUGE AND THEN CONNECT SOURCE OF PRESSURE (AIR OR WATER MAY BE USED) TO PIPING SUPPLY SYSTEM. PRESSURIZE SYSTEM TO 100 PSI NO LESS AND THEN ISOLATE / DISCONNECT SOURCE OF PRESSURE. 100 PSI MUST BE MAINTAINED FOR AT LEAST 15 MINUTES. IF GAUGE SHOWS A DROP IN PRESSURE THERE IS A LEAK IN THE SYSTEM THAT REQUIRES REPAIR. AFTER REPAIR IS MADE RETEST THE SYSTEM, 100 PSI MUST BE MAINTAINED FOR AT LEAST 15 MINUTES. DISCONNECT HOT FROM COLD SUPPLY LINE AT WATER HEATER, AND CONNECT TO WATER HEATER.

### DRAINAGE SYSTEM TEST

CONNECT ALL DRAIN DROP OUTS TO COMPLETE ALL FIXTURE DRAINS AND MAIN DRAIN. BE SURE ALL CONNECTIONS ARE MADE PER ENCLOSED DRAIN LAYOUT OR TO COMPLY WITH LOCAL PLUMBING CODES. CAP OR PLUG THE MAIN DRAIN OUTLET. LOCATE THE LOWEST FIXTURE (USUALLY THE SHOWER), THIS WILL BE WHERE YOU NEED TO OBSERVE THE WATER LEVEL. INTRODUCE WATER INTO THE SYSTEM (SEE NOTE #2) UNTIL WATER REACHES DEPTH OF 2" MIN. IN LOWEST FIXTURE. THE TEST SHALL BE SUSTAINED FOR NO LESS THAN 15 MINUTES WITHOUT EVIDENCE OF LEAKS. VISUALLY CHECK ALL CONNECTIONS MADE ON-SITE FOR LEAKS (FACTORY CONNECTIONS HAVE ALREADY BEEN TESTED). IF WATER LEVEL IN LOWEST FIXTURE HAS NOT CHANGED WITHIN THE MINIMUM 15 MINUTES, AND THERE WAS NO EVIDENCE OF LEAKS AT FITTINGS, THEN THE DRAINAGE SYSTEM TEST IS COMPLETE. FAILURE TO MAINTAIN WATER LEVEL INDICATES A LEAK IN THE SYSTEM AND REQUIRES REPAIR AND RETESTING.

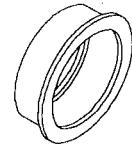
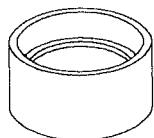
#### NOTES:

1. HOME SHALL BE IN A LEVEL POSITION.
2. INTRODUCE WATER TO SYSTEM AT SINK, SHOWER OR TUB. DO NOT INTRODUCE WATER TO SYSTEM AT TOILET BOWL FOR THIS MAY TRAP AIR WITHIN THE SYSTEM.

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		DRAWING TITLE: PLUMBING TEST		
		DRAWING NUMBER: SU-11-0002		

# MOBILE HOME SET-UP

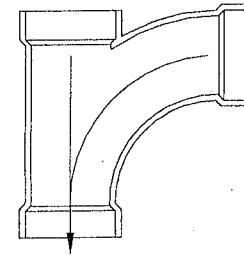
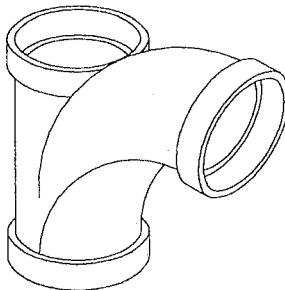
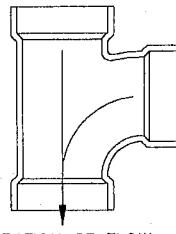
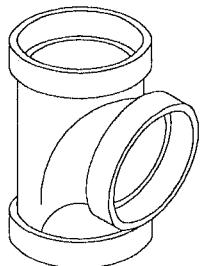
## SET-UP KIT PLUMBING FITTINGS



DIRECTION OF FLOW

FITTING NAME:	
<b>COUPLER</b>	
SYMBOL	ORIENTATION / USE
COUPLING	PIPE SPLICING

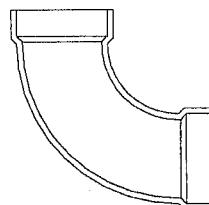
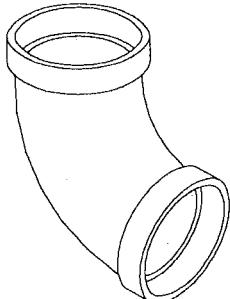
FITTING NAME:	
<b>REDUCER BUSHING</b>	
SYMBOL	ORIENTATION / USE
BUSHING	REDUCE FITTING PIPE SIZE



DIRECTION OF FLOW

FITTING NAME:	
<b>SANITARY TEE</b>	
SYMBOL	ORIENTATION / USE
SAN. TEE	HORIZONTAL TO VERTICAL ONLY

FITTING NAME:	
<b>LONG TURN TEE WYE</b>	
SYMBOL	ORIENTATION / USE
LTTW	MAY BE USED IN ANY ORIENTATION



FITTING NAME:	
<b>LONG TURN 90° ELL</b>	
SYMBOL	ORIENTATION / USE
90° ELL	MAY BE USED IN ANY ORIENTATION

### SET-UP INSTRUCTION SYMBOLS

○ = 1 1/2" DROP      ○ = 1 1/2" DRY VENT

○ = 2" DROP      ○ = 2" WET VENT

○ = 3" DROP      ○ = 3" MAIN DRAIN

— — — — = 1 1/2" DRAIN LINE

— — — — = 2" DRAIN LINE

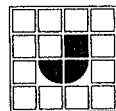
— — — — = 3" DRAIN LINE

NOTE: USE A GOOD QUALITY CLEANER AND CEMENT LISTED FOR USE WITH PVC PIPING CONNECTIONS. BE SURE TO FOLLOW THE MANUFACTURERS INSTRUCTIONS ON THE CONTAINERS.

CHECK THE INSTALLATION INSTRUCTIONS FOR MATERIALS REQUIRED AND PLACEMENT OF FITTINGS. NOTE AS SHOWN IN THE DETAILS THE DIRECTION OF FLOW FOR FITTINGS.

ALL PIPING REQUIRED TO FIT BETWEEN FITTINGS IS INCLUDED IN THE SET-UP MATERIALS. THE LENGTHS OF PIPE SHOULD BE CHECKED BEFORE CUTTING TO ENSURE THAT PROPER DROP-OFF IS REMAINING FOR COMPLETION OF PIPE RUNS.

DRY FITTING ALL PARTS TOGETHER IS RECOMMENDED BEFORE ANY FITTING AND PIPE JOINT IS GLUED.



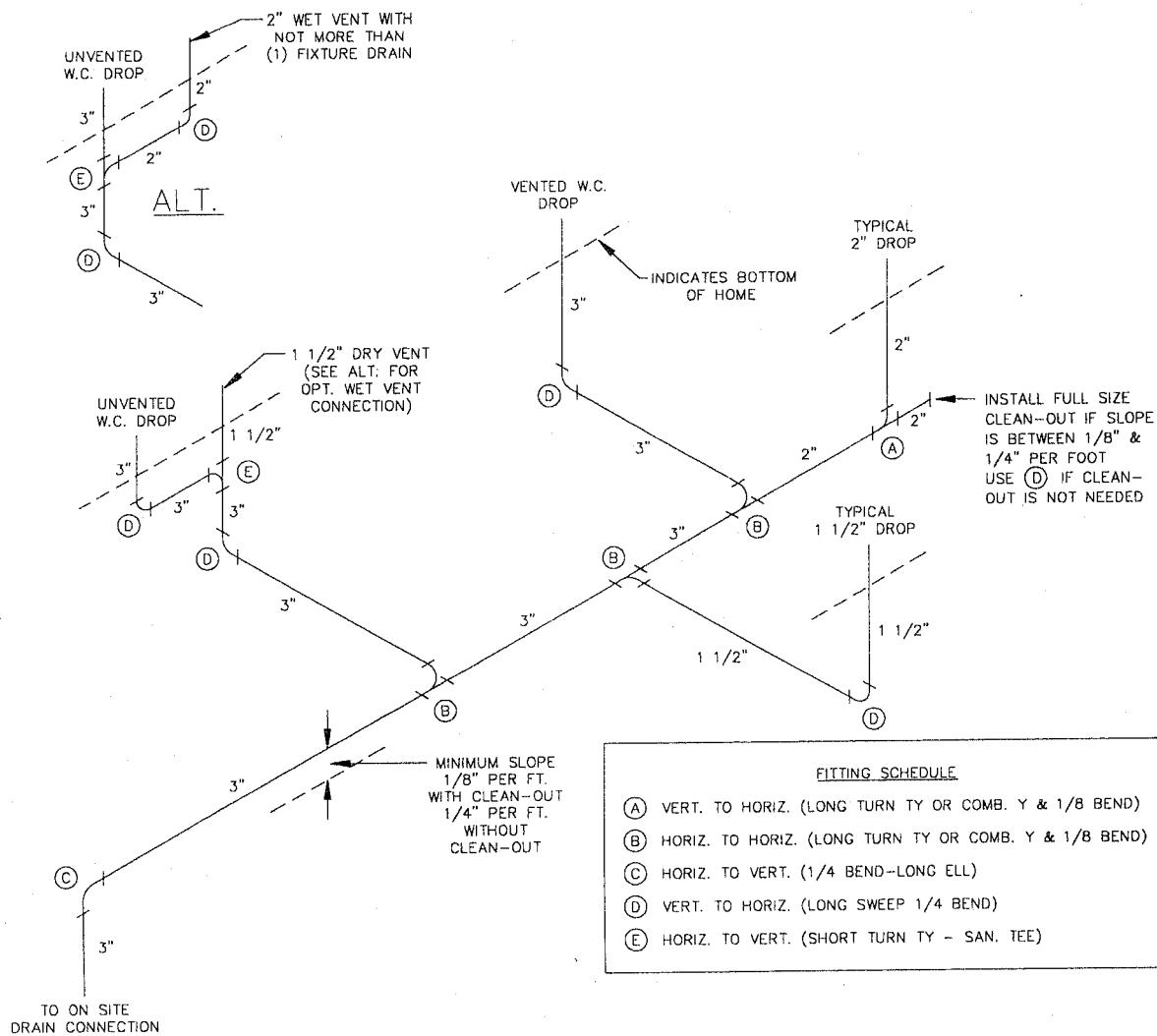
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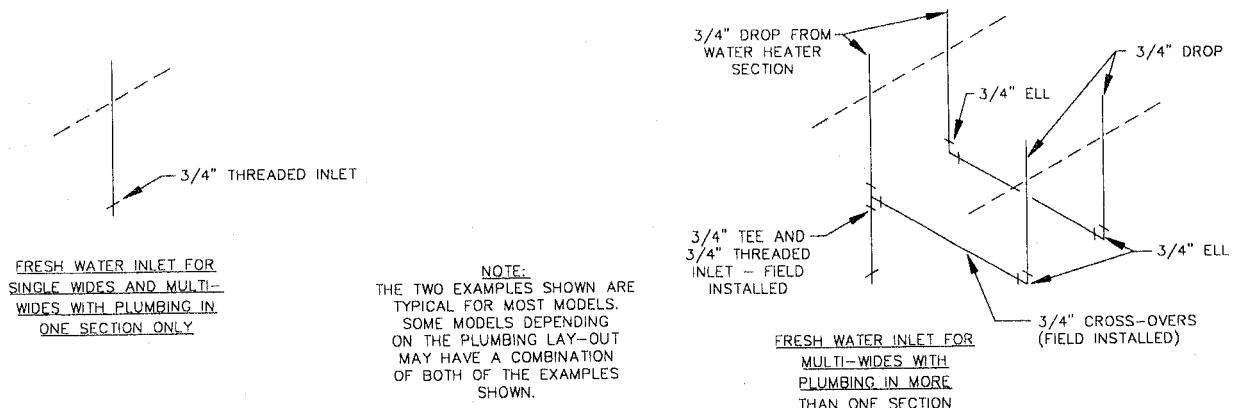
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DRAWN BY: S.A.	DATE: 6-6-94	REV. LETTER:
DRAWING TITLE: SET-UP KIT, PL. FITTINGS		—
DRAWING NUMBER: SU-11-0010		

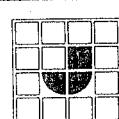
## MOBILE HOME SET-UP



## TYPICAL ON SITE DRAIN CONNECTIONS



## TYPICAL FRESH WATER ENTRANCES



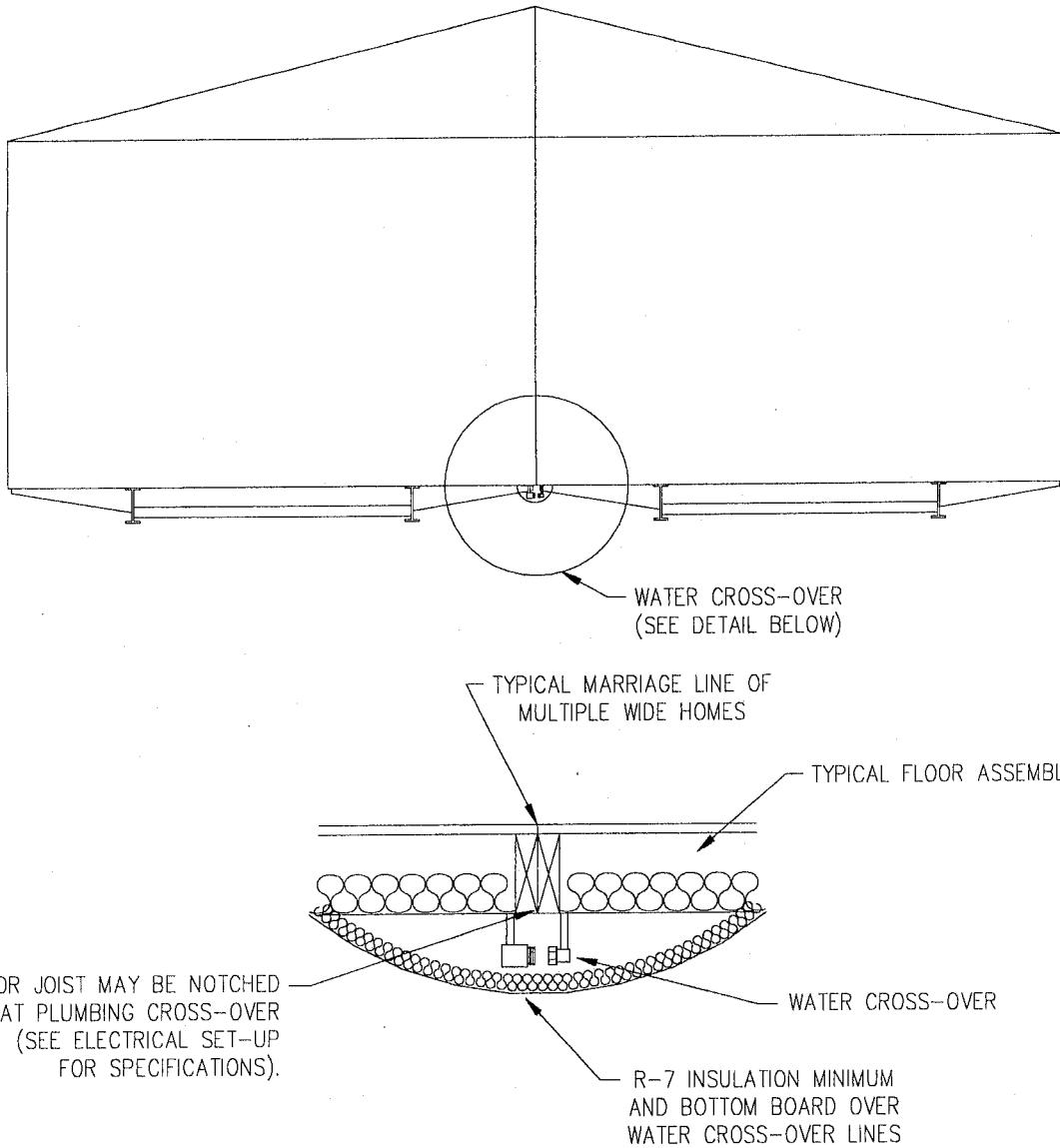
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DRAWN BY:	S.A.	DATE:	6-6-94	REV. LETTER:
DRAWING TITLE:	DRAIN SET-UP			
DRAWING NUMBER:	SU-11-0005			

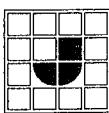
## WATER LINE CROSS-OVER



NOTE: NO HEAT TAPE RECEPT. REQUIRED AT INSULATED WATER CROSS-OVER.

### NOTES:

1. CONNECT WATER LINES TOGETHER AT ALL CROSSOVER LOCATIONS.
2. INSTALL R-7 MINIMUM INSULATION BLANKET OVER THE WATER CROSS-OVER LINES AND SECURE INTO PLACE WITH DUCT TAPE.
3. PLACE A PIECE OF BOTTOM BOARD MATERIAL LARGE ENOUGH TO COVER WATER CROSS-OVER LINES AND INSULATION AND SECURE TO FLOOR FRAMING MEMBERS WITH 1" X 1" X 16 GA. STAPLES MINIMUM AT EACH FRAMING MEMBER, AND TAPE OVER SEAMS WITH CLOTH DUCT TAPE OR EQUAL.



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DRAWN BY:	C.L.Y.	DATE:	10-23-95
DRAWING TITLE:	WATER CROSS-OVER		
DRAWING NUMBER:	SU-11-0020		

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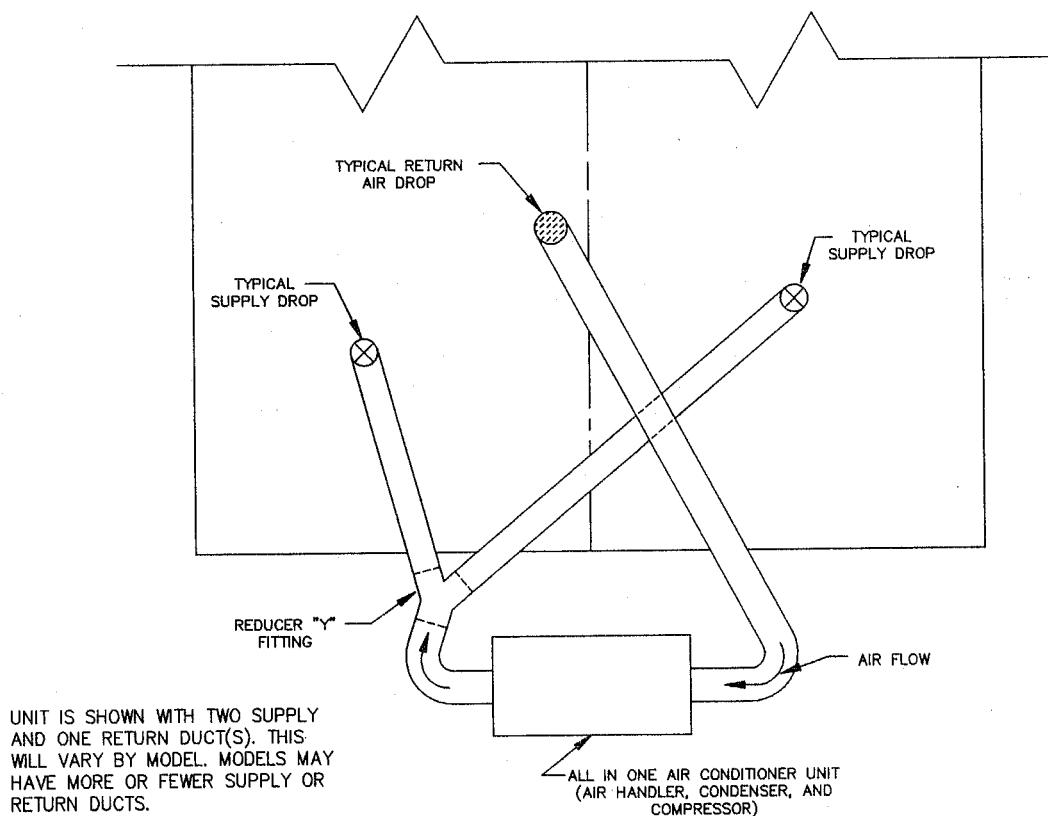
## MOBILE HOME SET-UP

### 6. A.C. CONNECTIONS

JACOBSEN MOBILE HOMES ARE MADE AIR CONDITIONER READY, WHICH MEANS THE REGISTERS, SUPPLY DUCTS, AND RETURN AIR FACILITIES ARE ALREADY INSTALLED IN YOUR HOME. IN A MULTI-SECTION HOME THERE IS ONE SUPPLY DROP PER SECTION, AND ONE RETURN AIR DROP FOR THE ENTIRE HOME. CONNECT THE RETURN AIR DROP TO THE INTAKE SIDE OF THE AIR CONDITIONING UNIT, AND CONNECT THE SUPPLY DROPS REDUCER "Y" FITTING(S) (i.e., (1) 12" TO (2) 10") TO THE BLOWER SIDE. FOR SINGLE UNIT HOMES, THERE IS ONE SUPPLY DROP, CONNECT THAT ONE DROP DIRECTLY TO THE BLOWER SIDE OF THE AIR CONDITIONING UNIT. ALL CONNECTIONS BETWEEN THE AIR CONDITIONER AND DROPS CAN BE MADE WITH INSULATED FLEXIBLE DUCT.

CHECK THESE ITEMS AFTER THE AIR CONDITIONER IS INSTALLED.

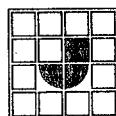
1. ALL DUCT WORK BELOW THE HOME IS INSULATED.
2. ALL SEAMS ARE SEALED.
3. ALL CONNECTIONS ARE INSULATED AND TIGHT FITTING.
4. CROSS-OVER DUCT MUST BE SUPPORTED EVERY 4'-0" O.C.



### TYPICAL MULTIPLE SECTION A.C. CONNECTIONS

NOTE: ON SOME MODELS THE SUPPLY AND/OR RETURN AIR DROPS PROVIDED ON THE HOME MAY BE LOCATED DIRECTLY OVER THE RUNNING GEAR (TIRE AND/OR AXLE).

ON HOMES WITH THE DROP LOCATIONS LOCATED ABOVE THE RUNNING GEAR IT IS NECESSARY TO REMOVE THE RUNNING GEAR BEFORE HOOKING UP THE SUPPLY AND/OR RETURN AIR DUCT FROM THE AIR CONDITIONER UNIT TO THE HOME.



**JACOBSEN HOMES**

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PHONE (727) 726-1138

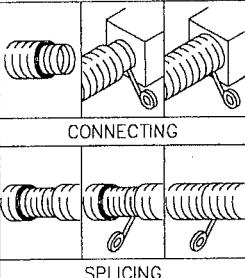
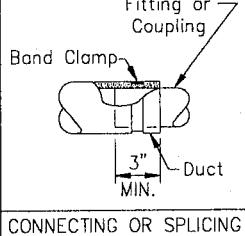
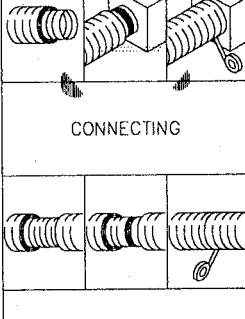
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DRAWN BY: O.A. DATE: 06-06-94  
DRAWING TITLE: DOUBLE WIDE A.C. CONNECTIONS  
DRAWING NUMBER: SU-13-0001

REV. LETTER: A  
(09-30-08)

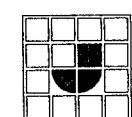
## MOBILE HOME SET-UP

USE THE FOLLOWING INSTRUCTIONS WHERE APPLIED TO DUCTWORK PROVIDED BY JACOBSEN HOMES FOR AIR CONDITIONER INSTALLATION. CHECK THE MANUFACTURERS INSTALLATION INSTRUCTIONS FOR ALL ADDITIONAL DUCTS USED DURING AIR CONDITIONER HOOK-UP FOR RECOMMENDED INSTALLATION PROCEDURES FOR THE TYPE DUCT BEING USED.

METHOD PRESSURE LIMITATIONS	DETAILS	CONNECTIONS	SPLICES
TAPE ONLY  (FOR LOW PRESSURE NOT TO EXCEED 2 IN. W.G.)	 <p>CONNECTING</p> <p>SPlicing</p>	<p>A) FOLD BACK JACKET AND INSULATION FROM END OF DUCT EXPOSING CORE.      B) SLIP CORE OVER FITTING AT LEAST 1 1/2 INCHES.      C) APPLY DUCT TAPE* AROUND CORE AND FITTING WITH AN EQUAL TAPE WIDTH ON EACH.      D) PULL BACK INSULATION AND JACKET OVER FITTING.      E) APPLY DUCT TAPE* AROUND JACKET AND FITTING WITH AN EQUAL TAPE WIDTH ON EACH.</p>	<p>A) FOLD BACK JACKET AND INSULATION FROM END OF DUCTS EXPOSING CORE.      B) INSERT ONE CORE INTO THE OTHER ABOUT THREE INCHES.      C) APPLY DUCT TAPE* AROUND OUTSIDE OF CORE EDGE WITH EQUAL WIDTH ON EACH CORE.      D) BUTT INSULATION AND PULL JACKET FROM ONE DUCT OVER OTHER DUCT.      E) APPLY DUCT TAPE* AROUND OUTSIDE OF JACKET EDGE WITH EQUAL TAPE WIDTH ON EACH JACKET.</p>
CLAMP ONLY  METAL CLAMP (FOR LOW TO MEDIUM PRESSURE NOT TO EXCEED 4 IN. W.G.)  SEE PRESSURE LIMITATIONS FOR PLASTIC CLAMPS**	 <p>Fitting or Coupling</p> <p>Band Clamp</p> <p>3" Duct MIN.</p> <p>CONNECTING OR SPlicing</p>	<p>A) SLIP DUCT OVER FITTING AT LEAST THREE INCHES.      B) PLACE CLAMP** AROUND DUCT AT FITTING AND TIGHTEN WITH APPROPRIATE TOOL UNTIL ALL MATERIAL UNDER CLAMP HAS BEEN COMPRESSED AND CLAMPING PRESSURE IS ASSURED.      C) CHECK CONNECTION BY PULLING ON DUCT WITH A FORCE OF AT LEAST 25 LBS. TO INSURE DUCT HAS BEEN ADEQUATELY CLAMPED.</p>	<p>A) FOLLOW AS DIRECTED UNDER 'CONNECTIONS' BUTTING TWO DUCTS TOGETHER ON A STANDARD SHEET METAL COUPLING AT LEAST SIX INCHES IN LENGTH.</p>
TAPE & CLAMP  (FOR LOW, MEDIUM OR HIGH PRESSURE NOT TO EXCEED 10 IN. W.G.)  SEE PRESSURE LIMITATIONS FOR PLASTIC CLAMPS**	 <p>CONNECTING</p> <p>SPlicing</p>	<p>A) PULL BACK JACKET AND INSULATION FROM END OF DUCT EXPOSING CORE.      B) SLIP CORE OVER FITTING AT LEAST 1 1/2 INCHES.      C) APPLY DUCT TAPE* AROUND CORE AND FITTING WITH EQUAL TAPE WIDTH ON EACH.      D) PLACE CLAMP** AROUND TAPE AND CORE AND TIGHTEN WITH APPROPRIATE TOOL.      E) PULL BACK INSULATION AND JACKET AND APPLY DUCT TAPE* AROUND JACKET AND FITTING.      F) WITH TABBED DUCTBOARD FITTINGS, OUTER JACKET MAY BE 'DIAPERED' INSTEAD OF TAPE (SEE STEP F).      G) PULL JACKET OVER RING, THROUGH HOLE, AND FOLD UP WITH TABS.</p>	<p>A) BUTT TWO CORES TOGETHER ON A SIX INCH METAL COUPLING AND FOLLOW DIRECTIONS UNDER 'CONNECTIONS'.</p>

\* DUCT TAPE: USE A MINIMUM OF ONE WRAP OF 2 INCH OR TWO WRAPS OF 1 1/2 INCH WIDTH OF TYPE SHUFORD #PC622, TUCK #92T, ARNO #C520, POLYKEN #222, OR NASHUA #357.

\*\* PLASTIC CLAMPS: PLASTIC CLAMPS ARE NOT RECOMMENDED FOR PRESSURES EXCEEDING 4 IN. W.G. (DIAMETERS 3" - 10") AND 2 IN. W.G. (DIAMETERS 12" AND OVER) TO ACHIEVE PROPER TENSIONING OF PLASTIC CLAMP, SET CORRESPONDING TOOL AT MAXIMUM TENSION SETTING. APPROVED TYPES: PANDUIT TYPE PLT-H (TOOL G); CATAMOUNT L-175 (TOOL L-300); OR TYTON T-150 (TOOL T-150).



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DRAWN BY:	S.A.	DATE:	6-6-94	REV. LETTER:
DRAWING TITLE:	MOBILE HOME SET-UP DUCTWORK			
DRAWING NUMBER:	SU-13-0010			

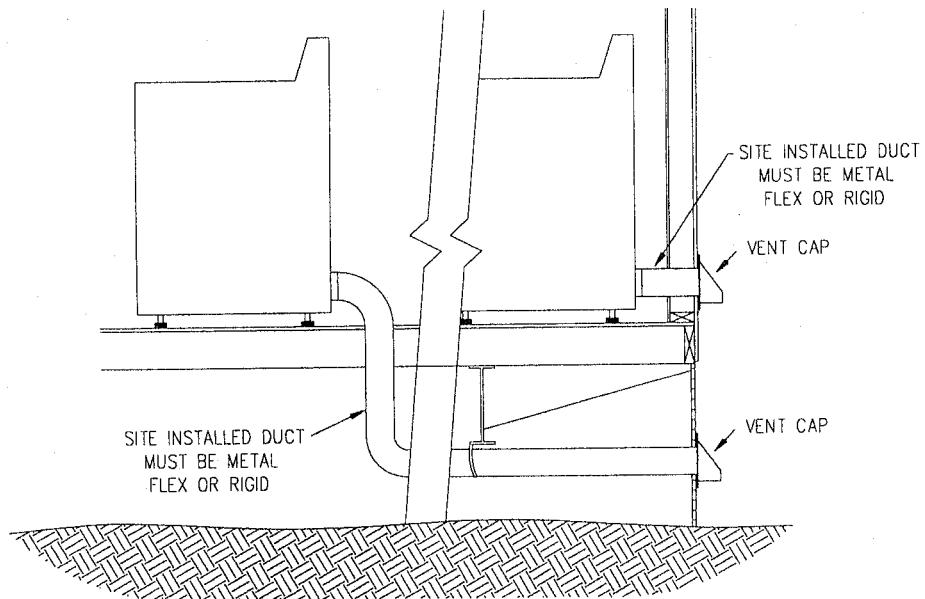
## ELECTRIC CLOTHES DRYER VENTING

IMPORTANT - BEFORE DRYER IS USED IT MUST BE VENTED TO THE OUTSIDE OF THE HOME. THE VENT MUST NOT TERMINATE INSIDE THE SKIRTED AREA UNDER THE HOME, THIS WOULD RESULT IN EXCESSIVE HUMIDITY IN THE HOME.

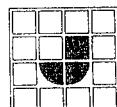
HOMES SET UP TO RECEIVE A DRYER ARE EQUIPPED WITH A VENT HOLE PRE-DRILLED THROUGH THE FLOOR AT THE DRYER LOCATION. TO COMPLETE THE DRYER EXHAUST SYSTEM, FOLLOW THESE PROCEDURES:

1. REMOVE THE DRYER VENT ACCESS HOLE COVER.
2. CUT DRYER VENT DUCT TO THE PROPER LENGTH, AND CHECK FOR OBSTRUCTIONS. THEN CONNECT TO DRYER IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
3. SECURE THE VENT CAP TO THE OUTSIDE OF THE SKIRTING AT THE APPROPRIATE LOCATION.
4. SECURE THE END OF THE FLEXIBLE DRYER DUCT TO THE VENT CAP AT THE EXTERIOR OF THE HOME WITH CLAMPS. NOTE: DO NOT USE ANY SCREWS OR OTHER DEVICES THAT EXTEND INTO THE DUCT.
5. STRAP THE DRYER DUCT TO THE UNDERSIDE OF THE HOME TO PREVENT THE DUCT FROM COMING IN CONTACT WITH THE GROUND.
6. SEAL THE OPENINGS AROUND THE DUCT WHERE IT PASSES THROUGH THE FLOOR WITH CAULK OR DUCT TAPE, AND THE BOTTOM BOARD WITH DUCT TAPE.

JACOBSEN HOMES WILL NOT BE RESPONSIBLE FOR DAMAGE TO THE HOME RESULTING FROM FAILURE TO INSTALL THE DRYER EXHAUST SYSTEM IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS AND THE INSTRUCTIONS LISTED ABOVE. NOTE: GAS DRYER INSTALLATION MUST BE DONE BY QUALIFIED PERSONNEL. THE CUTTING OF STRUCTURAL ELEMENTS OF THE HOME, SUCH AS RAFTERS OR FLOOR JOISTS TO EXPEDITE INSTALLATION IS PROHIBITED. ANY WEAKENING OF THE STRUCTURE RESULTING FROM SUCH CUTTING IS NOT THE RESPONSIBILITY OF JACOBSEN HOMES, AND MAY RESULT IN NEGATING YOUR WARRANTY.



### NOTES:



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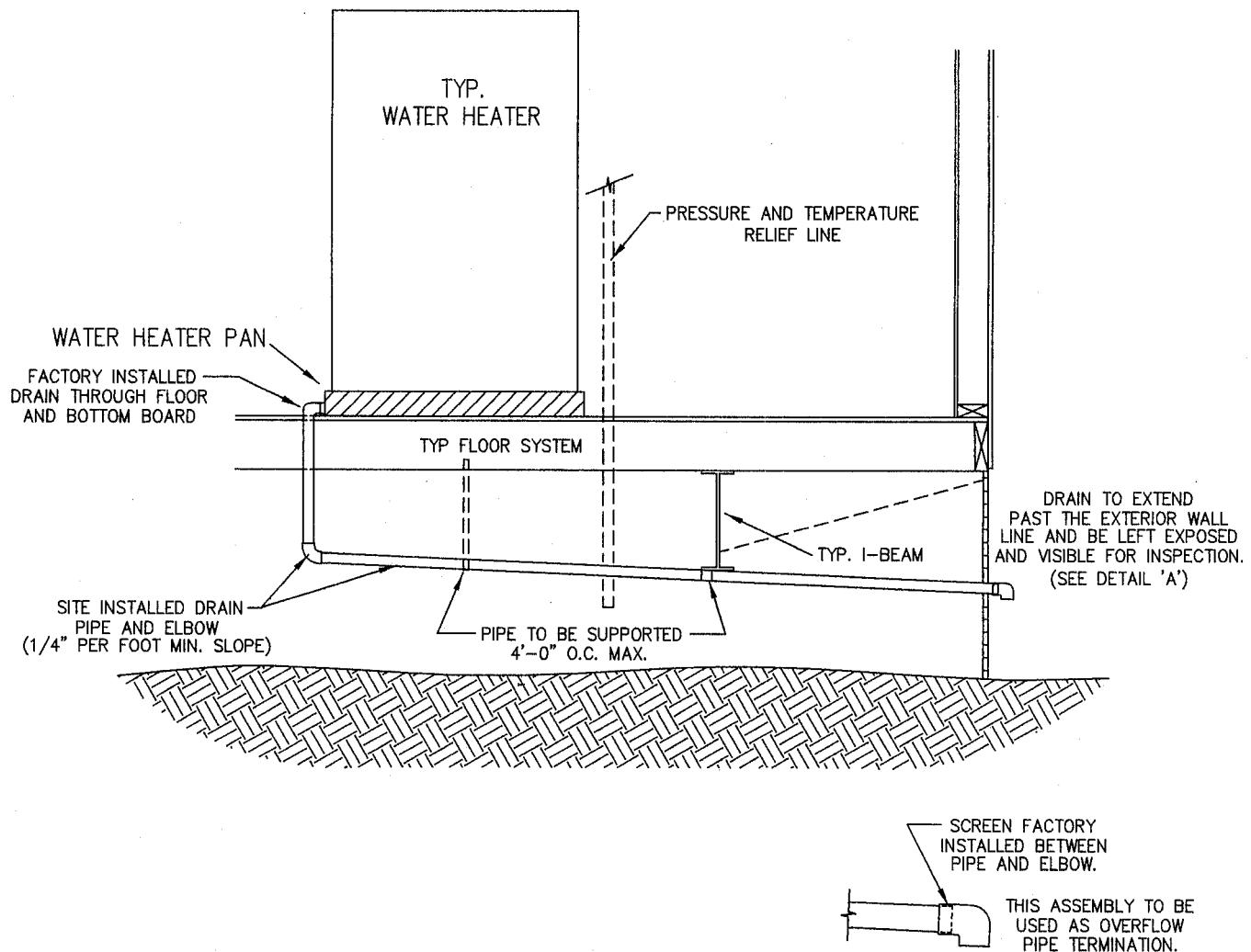
DRAWN BY:	R.R.	DATE:	01-21-00
DRAWING TITLE:		ELECT. CLOTHES DRYER VENTING	
DRAWING NUMBER:		SU-15-0001	

REV. LETTER:

A

## SITE INSTALLED WATER HEATER PAN DRAIN

**IMPORTANT - SET-UP OF THIS HOME REQUIRES THAT AN ON-SITE DRAIN BE INSTALLED FROM THE WATER HEATER PAN TO THE EXTERIOR OF THE HOME BEFORE THE WATER HEATER MAY BE USED.**

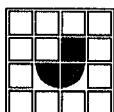


**DETAIL 'A'**

(DEALER IS RESPONSIBLE FOR THE SHIP LOOSE W/H PAN PIPE ON SITE INSTALLATION)

**NOTES:**

- 1.) SITE INSTALLED STRAPPING USED TO MAINTAIN THE REQUIRED SLOPE MAY BE SECURED TO FLOOR FRAMING AND/OR CHASSIS MEMBERS.
- 2.) SHIP LOOSE DRAIN LINE TO BE THE SAME MATERIALS AS THE FACTORY INSTALLED W/H PAN PIPE. ALL MATERIALS FOR THE COMPLETION OF THE ON SITE DRAIN WILL BE SHIPPED LOOSE.
- 3.) THE WATER HEATER PRESSURE AND TEMPERATURE RELIEF LINE MAY TERMINATE UNDER THE HOME.



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DRAWN BY:	M.T.	DATE:	03-08-07	REV. LETTER:
DRAWING TITLE:	W/H PAN DRAIN			
DRAWING NUMBER:	SU-15-0003			

B

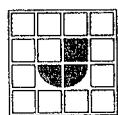
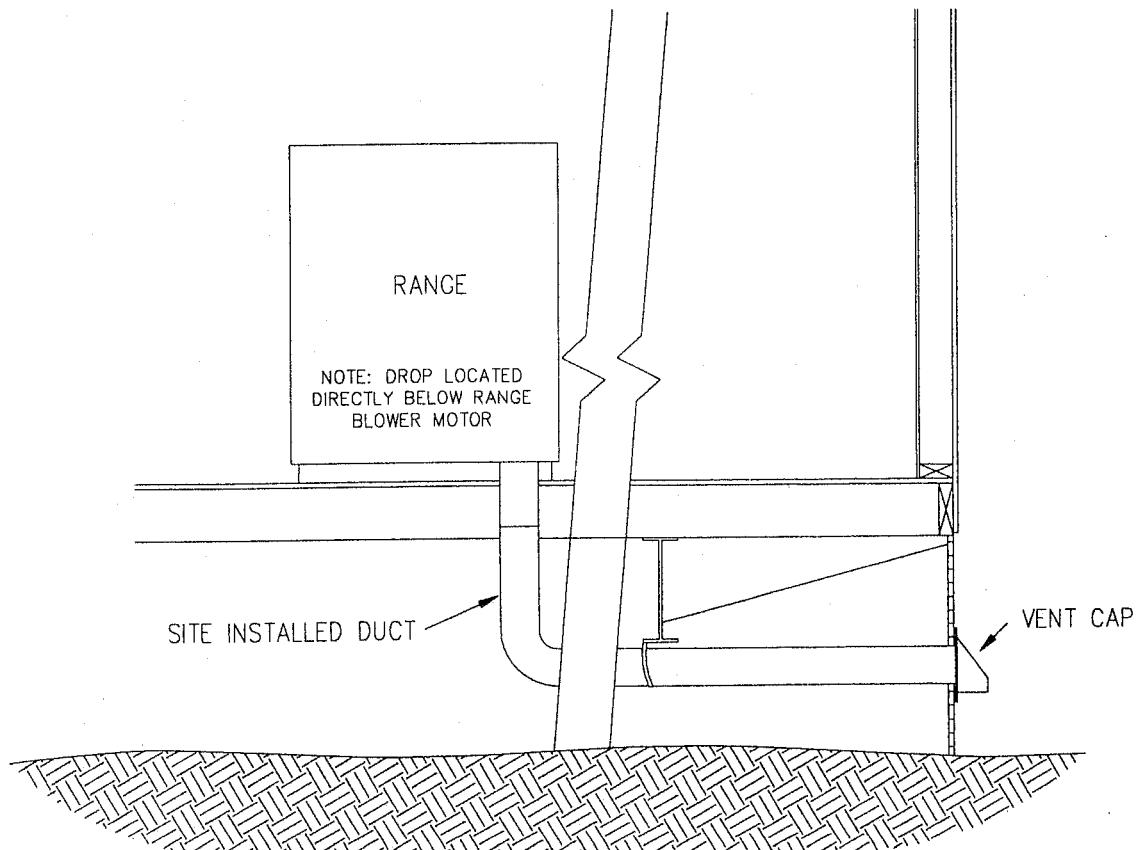
## DOWN DRAFT RANGE VENTING

IMPORTANT - BEFORE RANGE IS USED IT MUST BE VENTED TO THE OUTSIDE OF THE HOME. THE VENT MUST NOT TERMINATE INSIDE THE SKIRTED AREA UNDER THE HOME, THIS WOULD RESULT IN EXCESSIVE HUMIDITY IN THE HOME.

HOMES WITH A DOWN DRAFT RANGE ARE EQUIPPED WITH EXHAUST DUCT INSTALLED FROM THE RANGE THROUGH THE FLOOR, THE REMAINING DUCT IS SENT WITH THE HOME AND MUST BE INSTALLED ON SITE.

1. LOCATE DUCT DROP FROM RANGE. (MAY BE EXTENDING THROUGH BOTTOM BOARD, OR SEALED INSIDE)
2. CHECK DUCT PROVIDED FOR PROPER LENGTH, AND OBSTRUCTIONS. THEN CONNECT TO DUCT DROP FROM RANGE IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
3. SECURE THE VENT CAP TO THE OUTSIDE OF THE SKIRTING AT THE APPROPRIATE LOCATION.
4. SECURE THE END OF THE DOWN DRAFT RANGE DUCT TO THE VENT CAP AT THE EXTERIOR OF THE HOME WITH CLAMPS OR SCREWS. NOTE: DO NOT USE ANY FASTENERS THAT CRUSH OR BLOCK THE DUCT.
5. STRAP THE DUCT TO THE UNDERSIDE OF THE HOME TO PREVENT THE DUCT FROM BENDING OR COMING IN CONTACT WITH THE GROUND.
6. SEAL THE OPENINGS AROUND THE DUCT WHERE IT PASSES THROUGH THE FLOOR WITH CAULK OR DUCT TAPE, AND THE BOTTOM BOARD WITH DUCT TAPE.

JACOBSEN HOMES WILL NOT BE RESPONSIBLE FOR DAMAGE TO THE HOME RESULTING FROM FAILURE TO INSTALL THE RANGE EXHAUST SYSTEM IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS, AND THE INSTRUCTIONS LISTED ABOVE.

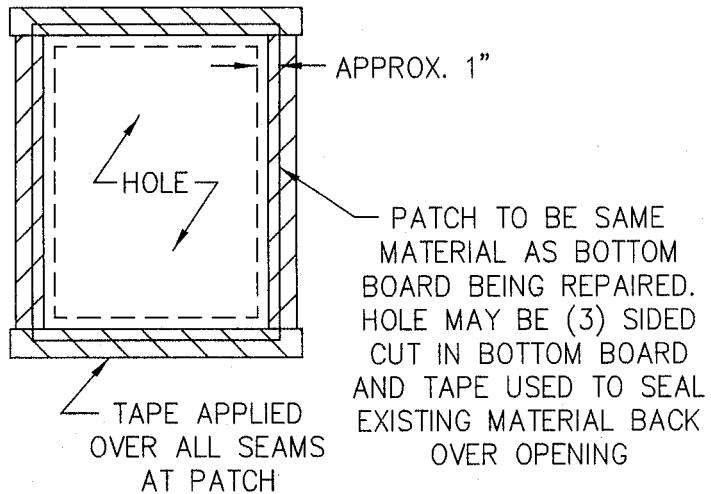


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DRAWN BY:	S.A.	DATE:	6-6-94	REV. LETTER:
DRAWING TITLE:				—
DOWN DRAFT RANGE VENTING				—
DRAWING NUMBER:				SU-15-0002

## BOTTOM BOARD P-TRAP ACCESS PANELS

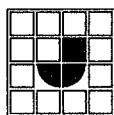


VISUALLY INSPECT BOTTOM BOARD OF THE ENTIRE HOUSE TO ASSURE THAT THERE IS NO DAMAGE (RIPS OR TEARS ) AND THE AREA AROUND PROTRUSIONS ARE REPAIRED.

P-TRAPS MUST BE CHECKED TO BE SURE THEY ARE WELL INSULATED AND COVERED.

### NOTES:

1. P-TRAP ACCESS PANELS WILL BE BELOW P-TRAP AREA IN FLOOR.
2. P-TRAP ACCESS PANELS MAY BE 3 OR 4 SIDED, AND WILL HAVE 1 OR 2 ROWS OF TAPE AT THE PERIMETER OF THE PANEL.
3. NORMAL BOTTOM BOARD REPAIRS WILL HAVE ONLY TAPE OVER THE CUT OR DAMAGED AREA.
4. MINOR HOLES AROUND PIPES ETC. MAY BE SEALED WITH TAPE
5. THESE ARE SOME ACCEPTABLE TAPES TO USE FOR REPAIR; SHURTAPE PC658, FIRST LINE 620



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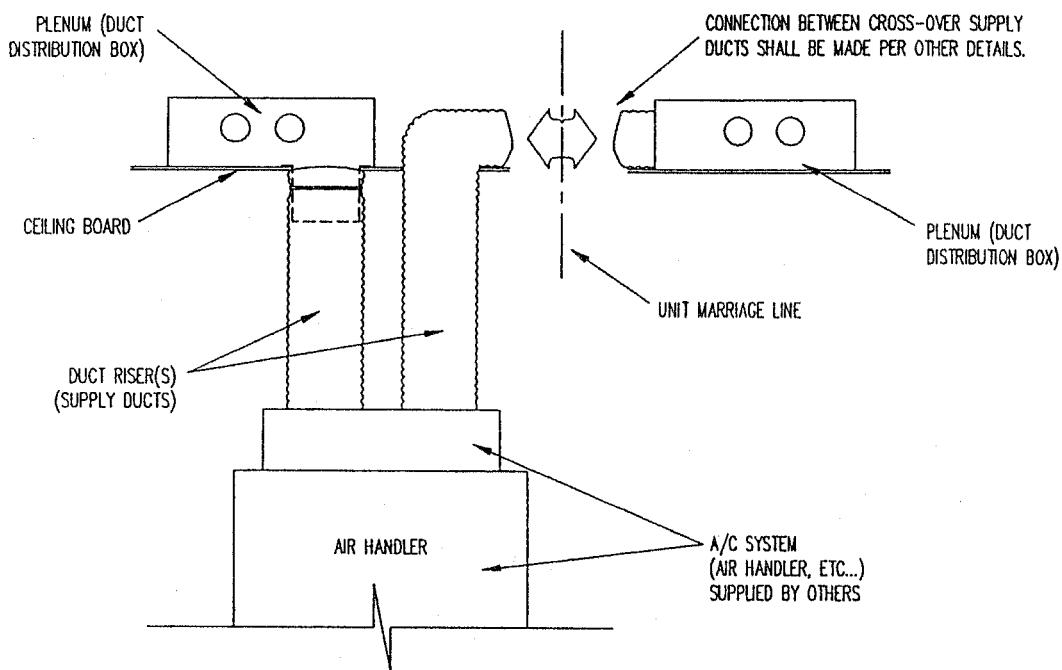
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DRAWN BY:	D.M.T.	DATE:	10-31-01	REV. LETTER:
DRAWING TITLE:	BOTTOM BOARD P-TRAP ACCESS			
DRAWING NUMBER:	SU-15-0010			

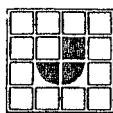
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(10-08-08)

## AIR HANDLER CROSS-OVER CONNECTIONS



AIR HANDLER CROSS-OVER  
ELEVATION VIEW

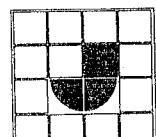


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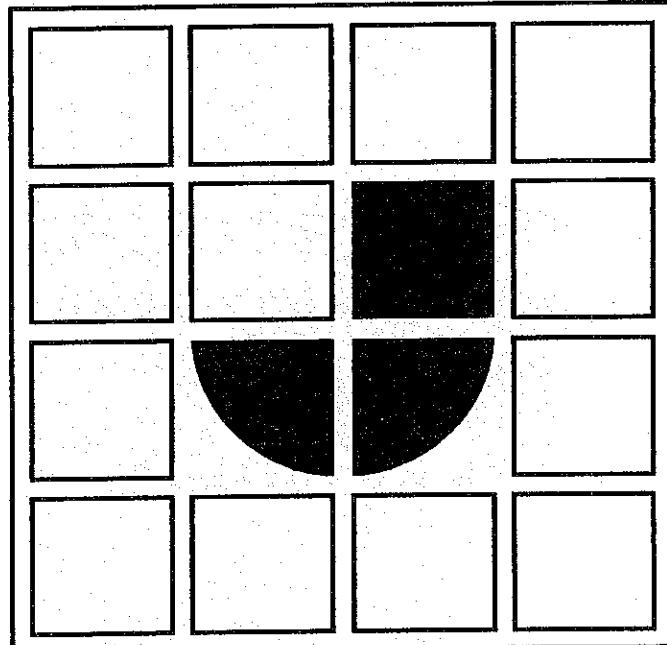
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DRAWN BY:	C.L.Y.	DATE:	3-21-95	REV. LETTER:
DRAWING TITLE:	AIR HANDLER CROSS-OVER			
DRAWING NUMBER:	SU-AC-0100			



JACOBSEN  
Homes

# **SET-UP MANUAL ADDENDUM**



**JACOBSEN  
HOMES**

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ALL HOMES SET IN FLORIDA  
MUST COMPLY WITH  
DMV RULE 15C  
EFFECTIVE MARCH 29, 1999

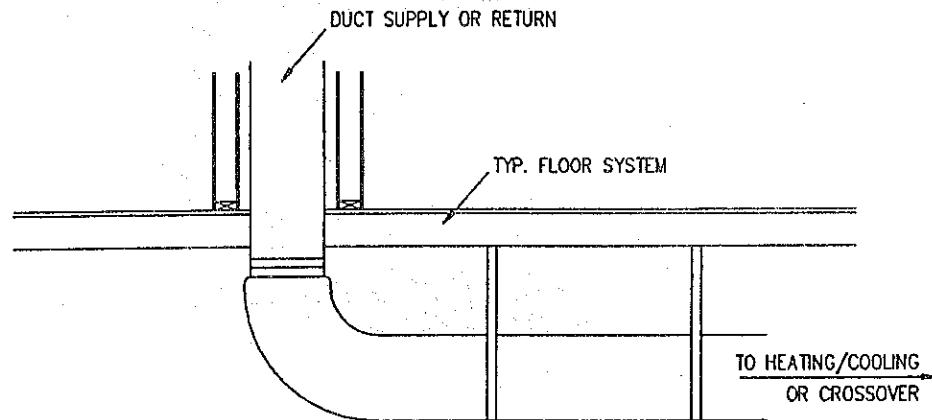
For information on 15C  
contact the Department of Motor Vehicles  
**850-413-7600**

# ADDENDUM

## EXTERIOR HEATING/COOLING DUCT

DUE TO THE NEW THERMAL REQUIREMENTS INSTITUTED BY HUD, THE INSULATION VALUES OF THE MANUFACTURED HOME HAVE INCREASED. IT IS NOW NECESSARY FOR ALL EXTERIOR DUCTS INSTALLED ON JACOBSEN HOMES HAVE A MINIMUM R-VALUE OF 8.

ALL HEATING AND/OR COOLING SUPPLY AND RETURN DUCTS EXPOSED DIRECTLY TO THE OUTSIDE AIR, SUCH AS UNDER CHASSIS CROSSOVER DUCTS OR DUCTS CONNECTING EXTERNAL HEATING, COOLING OR COMBINATION HEATING/COOLING APPLIANCES SHALL BE INSULATED WITH MATERIAL HAVING A MINIMUM THERMAL RESISTANCE OF R=8.0, WITH A CONTINUOUS VAPOR BARRIER HAVING A PERM RATING OF NOT MORE THAN 1 PERM. WHERE EXPOSED UNDERNEATH THE MANUFACTURED HOME, THE DUCT SHALL NOT BE IN CONTACT WITH THE GROUND.



USE MINIMAL AMOUNT OF DUCT. LIMIT DUCT USAGE TO REDUCE THE AMOUNT OF BTU/HOUR LOSS.

DO NOT OVER BEND OR CRIMP FLEX DUCT, THIS WILL RESTRICT THE AMOUNT OF AIR FLOW THROUGH THE DUCT.

USE STRAPPING OR OTHER MEANS OF SUPPORT TO PREVENT THE DUCT FROM COMING IN CONTACT WITH THE GROUND. PLACE STRAPS AS NEEDED TO SUPPORT DUCT (DO NOT RESTRICT AIR FLOW BY OVER TIGHTENING SUPPORT STRAPS). ALSO SEE MANUFACTURERS INSTALLATION INSTRUCTIONS FOR DUCT INSTALLATION AND SUPPORT.

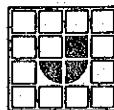
### NOTES:

DAPIA APPROVAL:

APPROVED BY



JUN 15 1995



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DRAWN BY: C.L.Y. DATE: 5-30-95  
DRAWING TITLE: EXTERIOR A/C DUCT  
DRAWING NUMBER: AD-AC-0001

REV. LETTER:

# ADDENDUM

## WHOLE HOUSE VENTILATION SYSTEM

YOUR HOME HAS BEEN EQUIPPED WITH A 'WHOLE HOUSE' VENTILATION SYSTEM. THIS SYSTEM HAS BEEN DESIGNED TO MEET ALL THE REQUIREMENTS SET FORTH BY THE UNITED STATES DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT. THE WHOLE HOUSE VENTILATION SYSTEM IS REQUIRED (BY HUD) TO EXCHANGE AIR DIRECTLY WITH THE EXTERIOR OF THE HOME. THE PURPOSE OF THIS SYSTEM IS TO GIVE THE HOME OWNER THE ABILITY TO INTRODUCE FRESH OUTSIDE AIR INTO THE INTERIOR OF THE MANUFACTURED HOME, INSTEAD OF SIMPLY RE-CIRCULATING THE SAME OLD, STALE AIR THROUGHOUT THE HOME, THUS IMPROVING THE INDOOR AIR QUALITY. THE SYSTEM INSTALLED IN YOUR HOME HAS BEEN DESIGNED TO GIVE YOU COMPLETE CONTROL OF WHEN AND HOW THIS SYSTEM IS USED.

YOUR HOME IS EQUIPPED WITH A FAN THAT WILL EXHAUST STALE INDOOR AIR (TO THE EXTERIOR OF THE HOME). THIS FAN IS SWITCH CONTROLLED AND MAY BE MANUALLY OPERATED. TO DISCONTINUE USE OF THIS SYSTEM, SIMPLY 'TURN OFF' THE SWITCH THAT CONTROLS THE FAN.

### NOTICE TO HOMEOWNER

Whole house ventilation switch

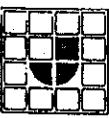
You will be able to locate the switch that controls this fan by locating the switch that is labeled-**WHOLE HOUSE VENTILATION**.

(See AD-AC-0100)

NOTES:

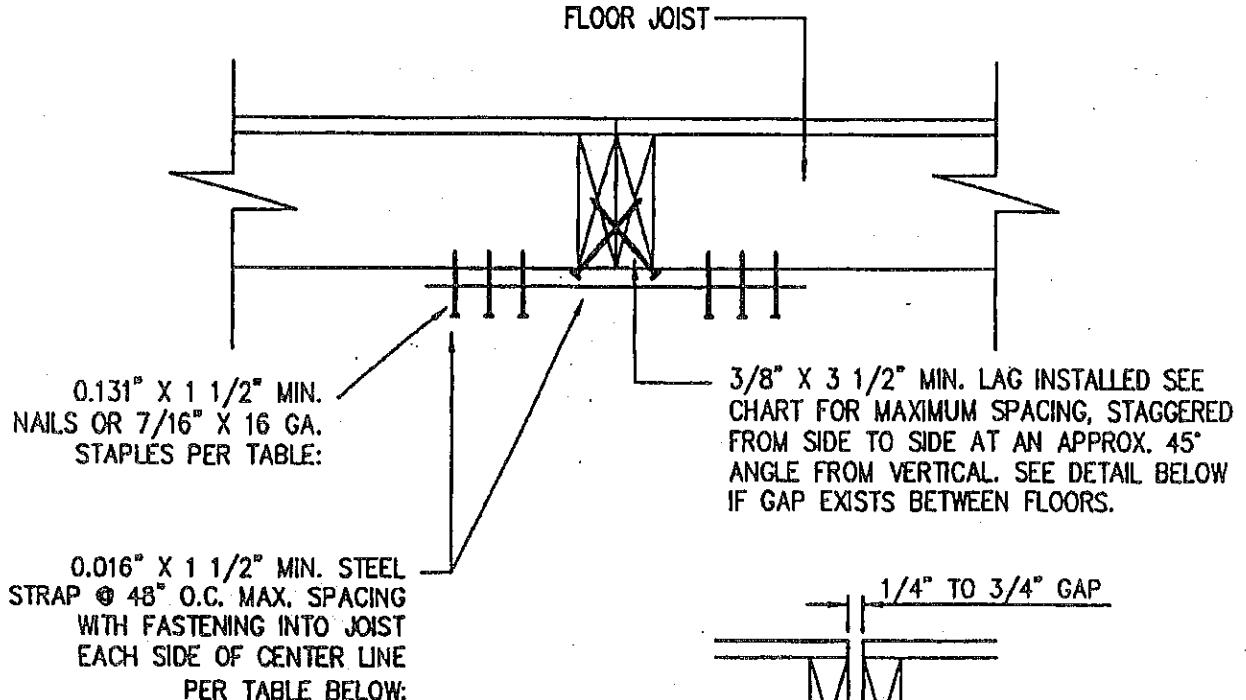
DAPIA APPROVAL:



 <b>JACOBSEN HOMES</b> P.O. BOX 368 SAFETY HARBOR, FLORIDA 34695 PHONE (813) 726-1138	<b>NOTICE:</b> THESE SPECIFICATIONS AND DRAWINGS ARE ORIGINAL, PROPRIETARY, AND CONFIDENTIAL MATERIALS OF JACOBSEN MANUFACTURING INC. SUCH MATERIALS ARE PROVIDED TO THE RECIPIENT FOR SPECIFIC PURPOSES AND MUST BE KEPT CONFIDENTIAL AND SECRET FROM OTHERS.	DRAWN BY: C.L.Y. DATE: 9-28-95 DRAWING TITLE: W.H. VENT. SYS. DRAWING NUMBER: AD-AC-0100	REV. LETTER: <b>B</b>
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# ADDENDUM

## MULTI-WIDE UNIT FLOOR FASTENING



NDS01  
(ALL ZONES)  
(ALL EXPOSURES)

FOR GAPS IN FLOOR SYSTEMS  
TO 1/2", INCREASE LAG LENGTH 1"  
AND FOR GAPS TO 3/4", INCREASE  
LAG LENGTH 1 1/2".

INSTALL WOOD SHIM AT ALL LAG  
LOCATIONS FOR LAG SCREW TO GO  
THROUGH AND TO KEEP CONNECTION  
TIGHT. (SEE NOTE 2)

WIND ZONE	EXPOSURE	3/8" X 3 1/2" LAG SCREW MAXIMUM SPACING	30 GA. STRAP FASTENED W/ 7/16" X 16 GA. STAPLES MAXIMUM SPACING	WIND ZONE	EXPOSURE	MINIMUM NUMBER OF FASTENERS REQUIRED	
						0.131" X 1 1/2" NAILS	7/16" X 16 GA. STAPLES
2	'C'	18" O.C.	2 1/4" O.C.	2	'C'	3	5
	'D'	17" O.C.	1 7/8" O.C.		'D'	4	7
3	'C'	18" O.C.	2" O.C.	3	'C'	4	7
	'D'	16" O.C.	1 1/2" O.C.		'D'	5	8

NOTES:

- 1" MIN. PENETRATION IS REQUIRED ON STAPLES FOR MIN. 0.016" STRAP.
- WOOD SHIMS TO BE RIPPED FROM SPF #3 MIN. OR BETTER.  
(3" X 4" X GAP WIDTH MIN. SIZE)  
(OSB OR PLYWOOD MAY BE USED IF THICKNESS EQUALS GAP WIDTH-4" X 4" MIN. SIZE)
- 102" MAXIMUM SIDEWALL HEIGHT.
- SEE OTHER DETAILS FOR SEALING FLOORS FOR AIR INFILTRATION.

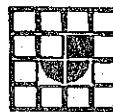
ENGINEER APPROVAL:

*John C. Doeden, P.E.*  
5/23/06  
John C. Doeden, P.E.  
K2 Engineering, Inc.

DAPIA APPROVAL:

APPROVED BY

**NF** Revised  
INC. May 24, 2006  
FEDERAL MANUFACTURED HOME  
CONSTRUCTION AND SAFETY STANDARDS



JACOBSEN HOMES

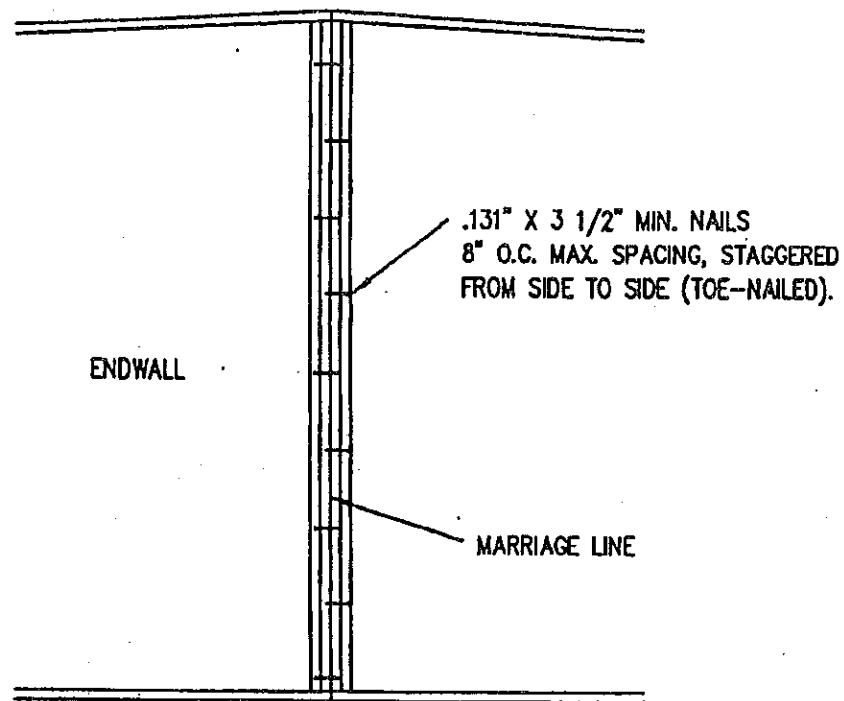
P.O. BOX 368  
SAFETY HARBOR, FLORIDA 34695  
PHONE (813) 726-1138

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DRAWN BY: M.T.	DATE: 05-22-06	REV. LETTER: C
DRAWING TITLE: M/W FLOOR FASTENING		
DRAWING NUMBER: AD-FA-0001		

# ADDENDUM

## MULTI-WIDE UNIT WALL FASTENING



NDS01

NOTES:

1. FASTENING REQUIRED ONLY AT MARRIAGE LINE OF EXTERIOR WALLS.

ENGINEER APPROVAL:

*J.C. Doedan*  
5/23/06  
John C. Doedan, P.E.  
K2 Engineering, Inc.

DAPIA APPROVAL:

APPROVED BY  
**NF** Revised  
INC. May 24, 2006  
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DRAWN BY:

M.T.

DATE: 05-22-06

REV. LETTER:

DRAWING TITLE: M/W WALL FASTENING

DRAWING NUMBER: AD-FA-0010

B

# ADDENDUM

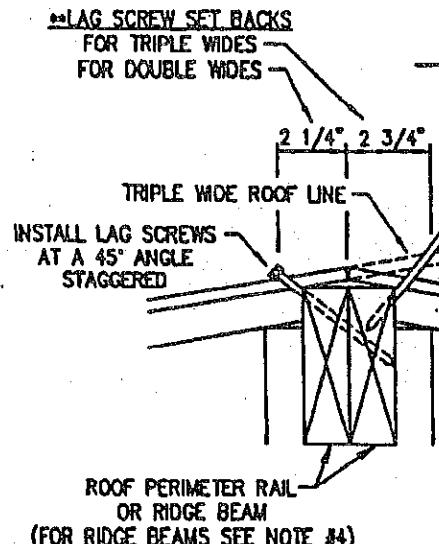
## MULTI-WIDE ROOF FASTENING

 CENTER LINE OR MATING  
LINE OF TRIPLE WIDE UNITS

30 GA. GALV. STEEL STRIP  
SECURED WITH 7/16" X 16 GA. STAPLES  
FULL PENETRATION INTO DECKING  
(SEE CHART ON AD-FA-0001 MAX. SPACING).

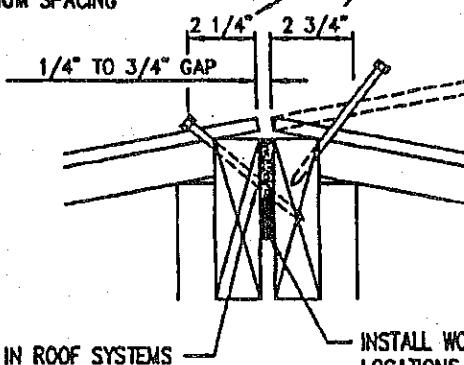
30 GA. GALV. STEEL STRIP  
8" X LENGTH OF ROOF (SECTIONS  
MAY BE OVERLAPPED 2" MIN.)  
W/STAPLES AS SHOWN.  
INSTALL ROOF CAP PER SET-  
UP MAN. OVER GAL. STRIP.  
(30 GA. GALV. STRIPS USED MAY BE  
WIND DEFLECTORS REMOVED FROM  
ROOF IN ORIGINAL CONDITION,  
EXCEPT FOR STAPLE HOLES.)

PLAN VIEW



3/8" X 5" LAG SCREWS  
(2 1/4" SMOOTH SHANK)  
SEE CHART ON AD-FA-0001  
FOR MAXIMUM SPACING

LAG SCREW SET BACKS  
FOR DOUBLE WIDES  
FOR TRIPLE WIDES



FOR GAPS IN ROOF SYSTEMS  
TO 1/2", INCREASE LAG LENGTH 1"  
AND FOR GAPS TO 3/4", INCREASE  
LAG LENGTH 1 1/2".

INSTALL WOOD SHIM AT ALL LAG  
LOCATIONS FOR LAG SCREW TO GO  
THROUGH AND TO KEEP CONNECTION  
TIGHT. (SEE NOTE 2)

REF CALC. PG.  
C WA-91.01-91.07

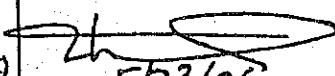
NDS01  
(ALL ZONES)  
(ALL EXPOSURES)

CROSS-SECTION (W/GAP)

**NOTES:**

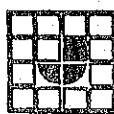
1. 2 1/8" MIL PENETRATION INTO RECEIVING MEMBER IS REQUIRED FOR LAG SCREWS.
2. WOOD SHIMS TO BE RIPPED FROM SPF 13 MIN. OR BETTER.  
(3" X 6" X 1/8" CAP WIDTH MIN. SIZE)  
(OSB OR PLYWOOD MAY BE USED IF THICKNESS EQUALS CAP WIDTH-4" X 6" MIL. SIZE)
3. SEE OTHER DETAILS FOR COMPLETING ROOF INTERSECTION.
4. WHEN INSTALLING A LAG SCREW INTO A RIDGE BEAM, FIRST-DRILL A 3/8" CLEARANCE HOLE THROUGH THE FIRST RIDGE BEAM, SECOND-DRILL A 1/4" HOLE THROUGH THE RECEIVING RIDGE BEAM FOR THE THREADED PORTION OF LAG SCREW. THESE DMS. ARE FOR 3/8" LAG SCREWS ONLY.
5. 108" MAXIMUM SIDEWALL HEIGHT.

ENGINEER APPROVAL:

  
5/23/06  
John C. Doeden, P.E.  
K2 Engineering, Inc.

DAPL APPROVAL:

APPROVED BY  
  
Revised  
May 24, 2006  
FEDERAL MANUFACTURED HOME  
CONSTRUCTION AND SAFETY STANDARDS



JACOBSEN HOMES

P.O. BOX 368  
SAFETY HARBOR, FLORIDA 34695  
PHONE (813) 728-1138

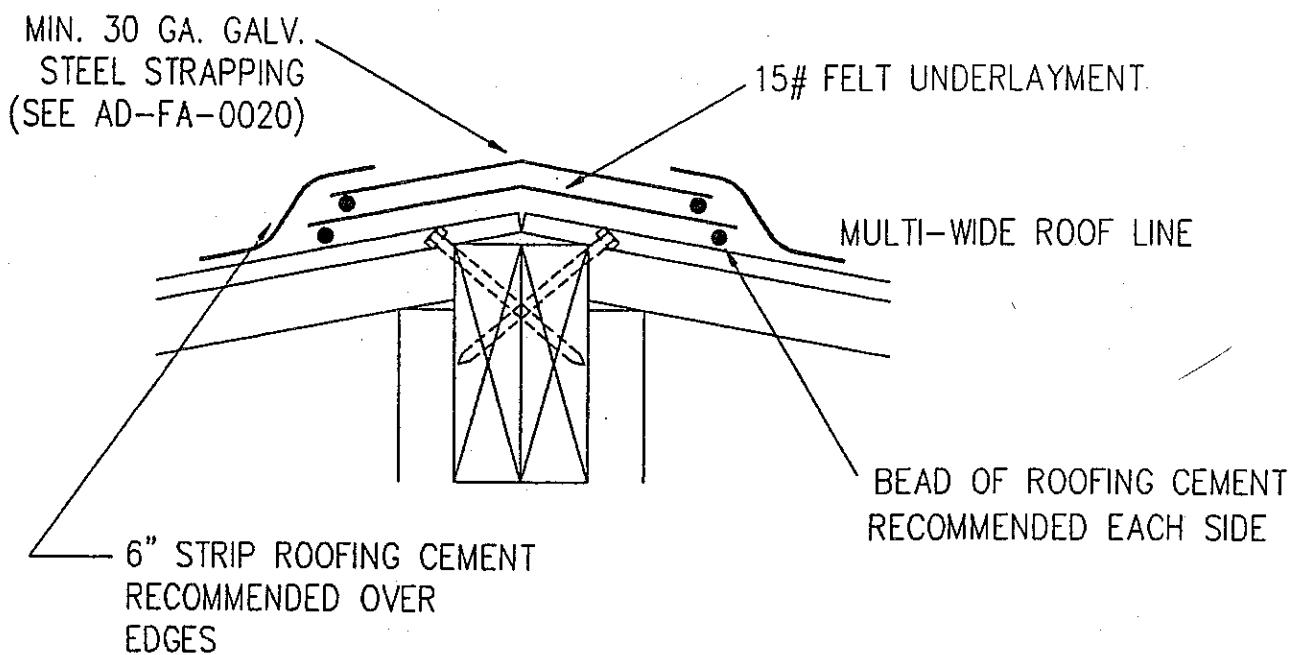
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DRAWN BY:	M.T.	DATE:	05-22-06	REV. LETTER:
DRAWING TITLE:	M/W ROOF FASTENING			
DRAWING NUMBER:	AD-FA-0020			

C

# ADDENDUM

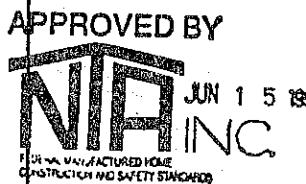
## MULTI-WIDE ROOF SEALING/CLOSE-UP



### NOTES:

1. 30 GA. GALV. STRIPS USED MAY BE WIND DEFLECTORS REMOVED FROM ROOF IN ORIGINAL CONDITION (EXCEPT FOR STAPLE HOLES).

DAPIA APPROVAL:



JACOBSEN HOMES

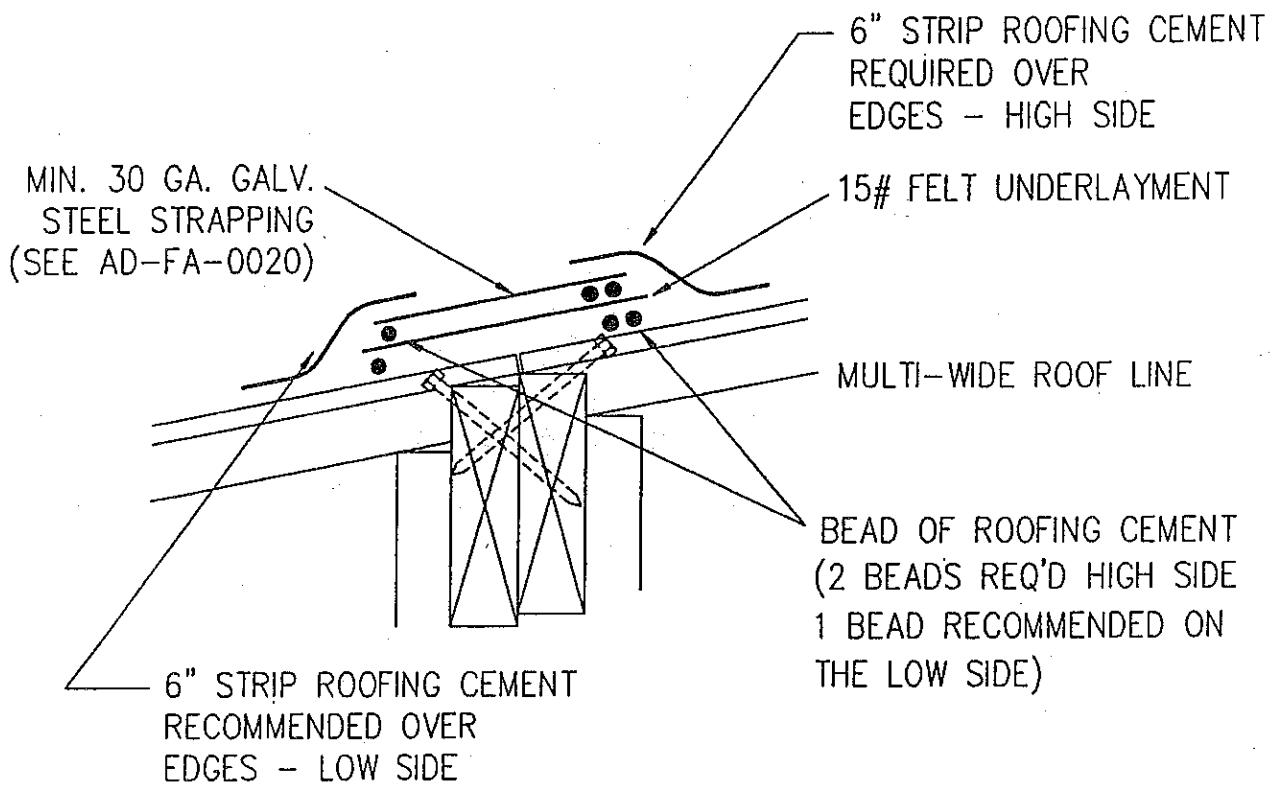
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DRAWN BY: C.L.Y.	DATE: 6-5-95	REV. LETTER:
DRAWING TITLE: M/W ROOF SEALING		
DRAWING NUMBER: AD-FA-0025		

# ADDENDUM

## MULTI-WIDE ROOF SEALING/CLOSE-UP



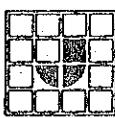
NOTES:

1. 30 GA. GALV. STRIPS USED MAY BE WIND DEFLECTORS REMOVED FROM ROOF IN ORIGINAL CONDITION (EXCEPT FOR STAPLE HOLES).

DAPIA APPROVAL:



JUN 15 1995



JACOBSEN HOMES  
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PHONE (813) 726-1138

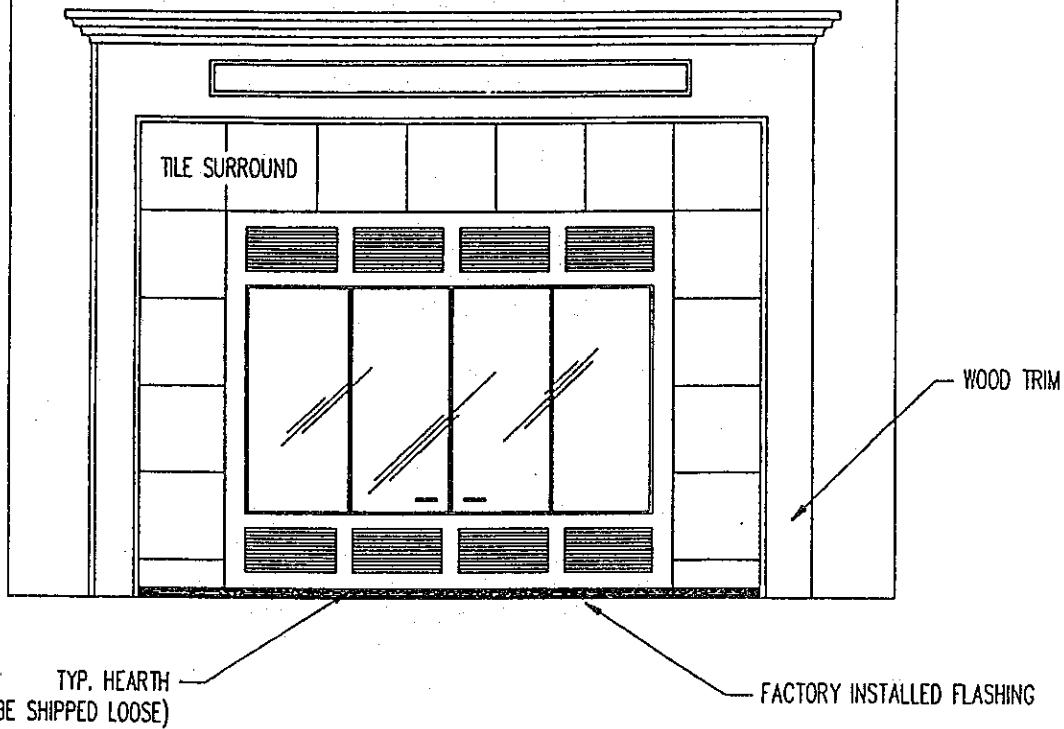
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DRAWN BY:	C.L.Y.	DATE:	6-5-95	REV. LETTER:	
DRAWING TITLE:	M/W ROOF SEALING				
DRAWING NUMBER:	AD-FA-0026				

## SHIPPED LOOSE HEARTH EXTENSIONS

### **HEARTH INSTALLATION:**

1. REMOVE ANY CARPET AND/OR PAD FROM UNDER THE HEARTH EXTENSION AREA.
2. INSPECT THE METAL FLASHING IN THE HEARTH AREA TO INSURE THAT IT HAS BEEN INSTALLED (THIS FLASHING MUST BE PLACED ON THE FLOOR TO PROTECT THE AREA BETWEEN THE FIREPLACE AND THE HEARTH).
3. LOCATE THE HEARTH EXTENSION (SHIPPED LOOSE IN THE HOME) AND INSTALL FOLLOWING THESE STEPS:
  - A. CAREFULLY PLACE THE HEARTH EXTENSION IN THE PROPER LOCATION IN FRONT OF THE FIREPLACE ASSEMBLY.
  - B. SECURE THE HEARTH EXTENSION TO THE FLOOR W/ 4 #8 x 2" WOOD SCREWS.
  - C. FILL THE AREA BETWEEN THE FACE OF THE FIREPLACE AND THE HEARTH EXTENSION WITH A NON-COMBUSTABLE CAULKING OR MORTAR.
  - D. OR FOLLOW THE HEARTH MANUFACTURERS INSTRUCTIONS FOR INSTALLATION.

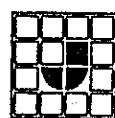


### **NOTES:**

1. A TYPICAL TILE FRONT FIREPLACE IS SHOWN, HOWEVER THIS DETAIL APPLIES TO ALL FACTORY INSTALLED FIREPLACES. (STONE, WOOD, GYPSUM, TILE, STUCCO, ETC... MAY BE USED IN LIEU OF THE TYPE OF FIREPLACE SURROUND SHOWN ABOVE.)

DAIA APPROVAL:

APPROVED BY



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DRAWN BY:	C.L.Y.	DATE:	6-16-95	REV. LETTER:
DRAWING TITLE:	SHIP-LOOSE HEARTH			
DRAWING NUMBER:	AD-FP-0001			

## **SMOKE ALARM ADDENDUM**

Enclosed in the home owner's packet is the smoke alarm user's manual, (if it is not there, contact Jacobsen Homes and one will be sent to you.

### **NOTICE TO DEALER AND SET-UP PERSONNEL**

This home is equipped with a smoke alarm system and must be tested in accordance with the smoke alarm user's manual after the home is completely set-up and all the electrical connections are done.

### **NOTICE TO CUSTOMER**

**Smoke Alarms** have been installed in your Jacobsen Homes. You should be familiar with the locations and operation, and learn how the alarms can be silenced once they have sounded and be familiar with its use. This is a very important safety device installed for your protection. Be sure that it is kept in A-1 working condition by testing if frequently in accordance with the manufacturer's instructions.

The alarms operate on household current, and have battery backups. Its purpose is to provide early warning in case of a fire. Again we stress the importance of keeping your smoke alarms in proper working order.

### **TESTING SMOKE ALARM**

Test smoke alarms after home has been set-up completely. To test the smoke alarm, press and hold the test button on the cover of the unit, until the alarm sounds. All smoke alarms should sound alarms. If all units do not alarm, replace units immediately. This test should be given to all smoke alarms individually.



SET-UP MANUAL ADDENDUM  
AD-FS-0001-A

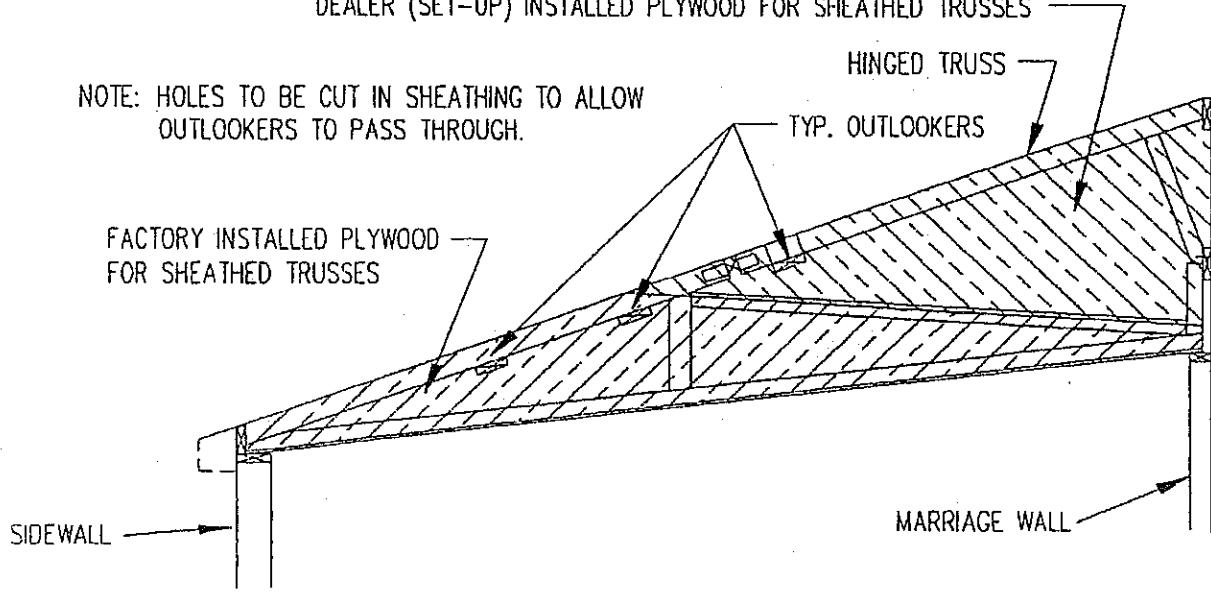
## TRUSS SHEATHING

APPROVED BY

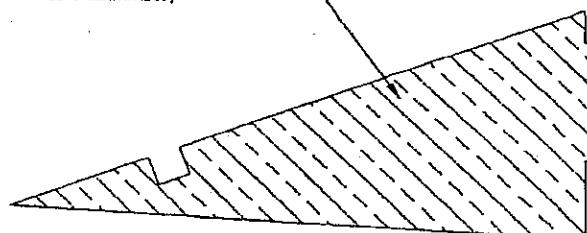


DEALER (SET-UP) INSTALLED PLYWOOD FOR SHEATHED TRUSSES

NOTE: HOLES TO BE CUT IN SHEATHING TO ALLOW  
OUTLOOKERS TO PASS THROUGH.



3/8" MIN. APA OR TECO RATED SHEATHING  
APPLIED TO ROOF TRUSSES LOCATED  
DIRECTLY ABOVE SHEARWALLS  
(APPLICABLE TO ALL SHEARWALLS)



PENETRATIONS OF THE SHEATHING ON THE TRUSS(ES) FOR  
THE OVERHANG OUTLOOKERS (PURLINS), ATTIC VENTILATION.

3/8" SHEATHING TO BE INSTALLED ON-SITE

OPENINGS IN TRUSS SHEATHING MAY BE LOCATED AT ANY LOCATION  
ALONG THE LENGTH OF THE TRUSS.

(18" X 14 1/2" MAXIMUM SINGLE OPENING SIZE IN TRUSS SHEATHING)

WINDZONE III  
(110 MPH)  
ALL EXPOSURES

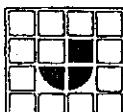
### NOTES:

1. 3/8" MIN. RATED SHEATHING FASTENED TO ROOF TRUSS WITH 7/16" X  
1 1/2" X 16 GA. MIN. STAPLES 1 1/4" O.C. AT PANEL EDGES AND 3" O.C.  
AT ALL FRAMING MEMBERS. (NO GLUE REQUIRED)

ENGINEER APPROVAL:

Gary Stilwell, P.E.  
K2 Engineering, Inc.  
4/29/98

DAPIA APPROVAL:



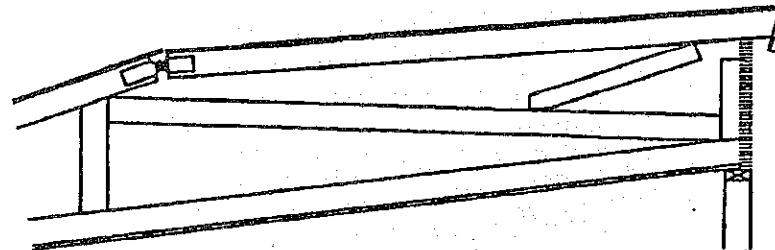
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P.O. BOX 368  
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PHONE (813) 726-1138

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DRAWN BY:	R.R.	DATE:	4-27-98	REV. LETTER:
DRAWING TITLE:	TRUSS SHEATHING			
DRAWING NUMBER:	AD-HR-0001			

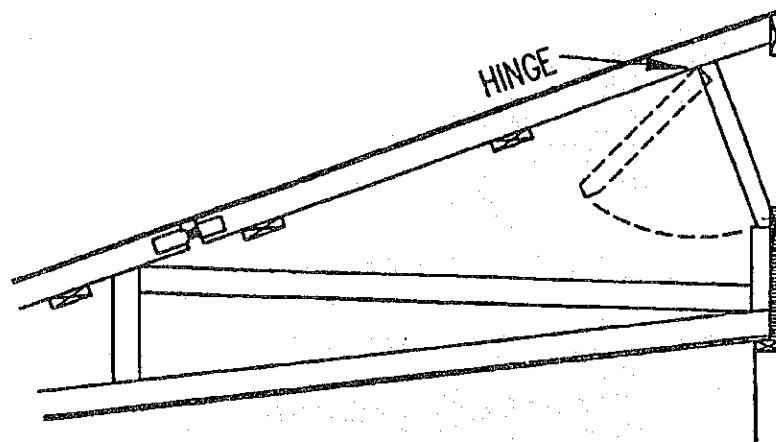
## HINGED ROOF DETAIL



DISTANCE OF TRAVEL TO RAISE ROOF FROM SHIPPING POSITION TO SET-UP POSITION IS APPROX. 22 1/2".

LIFT HINGED ROOF SECTION SYSTEMATICALLY WITH MECHANICAL DEVICES NO MORE THAN 12 FEET APART. LOCATE LIFTING POINTS WITHIN 36" OF END OF ROOF SECTION, AND AVOID LIFTING WITHIN 2 FEET OF A SPlice IN THE RIDGE RAIL.

### HINGED ROOF IN SHIPPING POSITION



SECURE HINGED KING POST TO RIDGE BEAM, OR 2 X 6 SPF #8 FIXED KING POST TOP RAIL, WITH 3- #10 X 3" WOOD SCREW OR 3- #8 X 3" WOOD SCREWS.

### HINGED ROOF IN SET-UP POSITION

NDS01

REF. CALC. PG. C-RF-223.0 - 223.6

#### NOTES:

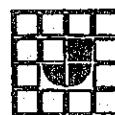
1. BRACE RAISED ROOF SECTION IN THE RAISED POSITION BEFORE SWINGING HINGED KING POSTS INTO POSITION.

#### ENGINEER APPROVAL:

*John C. Doeden, P.E.  
K2 Engineering, Inc.*

#### DAPIA APPROVAL:

APPROVED BY  
**NIA INC.** Revised Jun 06, 2006  
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS



JACOBSEN HOMES

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SAFETY HARBOR, FLORIDA 34695  
PHONE (813) 726-1138

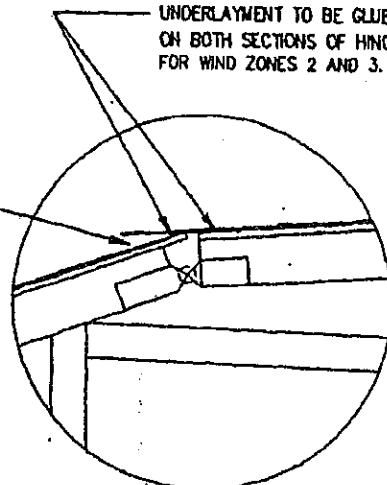
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DRAWN BY:	O.A.	DATE:	06-02-06
DRAWING TITLE:	HINGED ROOF DETAIL		
DRAWING NUMBER:	AD-HR-0002		
		REV. LETTER:	
		A	

## HINGED ROOF DETAIL

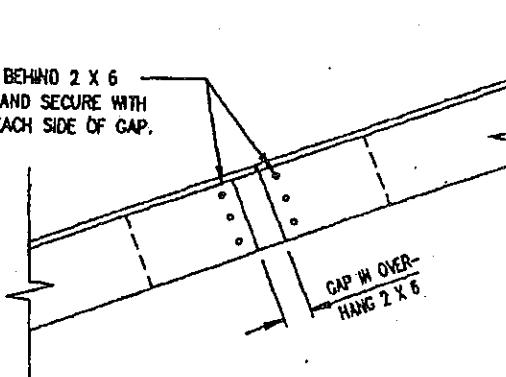
RAISE EXTENDED SHINGLE AND UNDERLAYMENT AND  
AND A MIN. 4 1/2" WIDTH OF ROOFING CEMENT TO  
TOP OF LAST SHINGLE ROW ON FIXED ROOF SECTION.  
(THIS IS TO BE DONE BEFORE RAISING HINGED  
ROOF SECTION.)

UNDERLAYMENT TO BE GLUED 3" MIN.  
ON BOTH SECTIONS OF HINGE ROOF.  
FOR WIND ZONES 2 AND 3.



## SHINGLE AND UNDERLAYMENT CEMENTING AT HINGED AREA

ATTACH 2 X 6 X 8" BLOCK BEHIND 2 X 6  
OVERHANG FASCIA BOARDS AND SECURE WITH  
3-#8 X 3" WOOD SCREWS EACH SIDE OF GAP.



APPROVED BY



Revised  
Nov 30, 2006

FEDERAL MANUFACTURED HOME  
CONSTRUCTION AND SAFETY STANDARDS

## BLOCK ATTACHMENT AT FRONT AND REAR OVERHANGS

WINDZONE III  
(110 MPH)  
ALL EXPOSURES

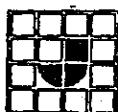
### NOTES:

1. BRACE RAISED ROOF SECTION IN THE RAISED POSITION BEFORE SWINGING HINGED KING POSTS INTO POSITION.

ENGINEER APPROVAL:

11/28/06  
John C. Doeden, P.E.  
K2 Engineering, Inc.

DAPIA APPROVAL:



JACOBSEN HOMES

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DRAWN BY:

D.T. DATE: 10-02-06

REV. LETTER: A

DRAWING TITLE:

HINGED ROOF DETAIL

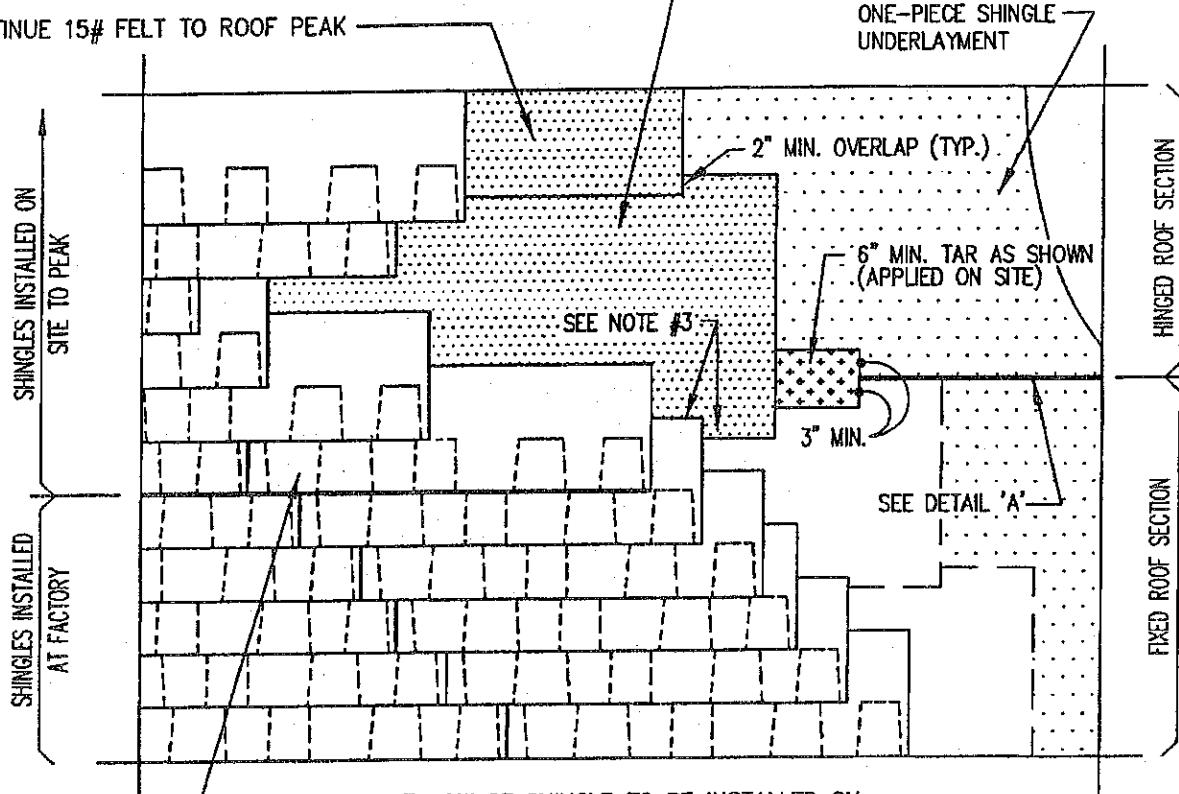
DRAWING NUMBER:

AD-HR-0003

# SHINGLE AND UNDERLAYMENT APPLICATION ON HINGED SECTION

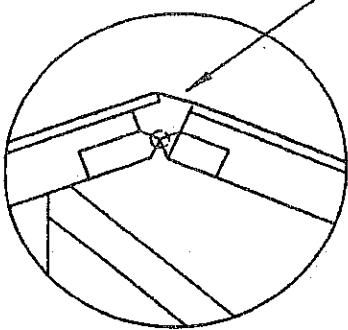
INSTALL ON SITE 15# FELT WITH A 6" MIN. OVERLAP ONTO MAIN ROOF CEMENTED WITH ROOF TAR AND SECURED PER NOTE #2

CONTINUE 15# FELT TO ROOF PEAK



SECURE FIRST ROW OF SHINGLE TO BE INSTALLED ON SITE WITH 6 STAPLES (1" X 3/4" X 16 GA OR ROOFING NAILS) PER SHINGLE MANUFACTURER'S INSTRUCTIONS AND CONTINUE TO PEAK.

REMOVE THE ONE PIECE SHINGLE UNDERLAYMENT IN THE GAP (HINGE SECTION IN DOWN POSITION) BEFORE LIFTING THE HINGED SECTION OF THE ROOF TO ITS FINAL POSITION AND BEFORE INSTALLING THE 15# FELT AND SHINGLES.



DETAIL 'A'

WINDZONE III  
(110 MPH)  
ALL EXPOSURES

## NOTES:

1. CEMENTING OF 15# FELT IS NOT REQUIRED IN ANY AREA EXCEPT WHERE NOTED.
2. FASTENING OF 15# FELT IS NOT REQUIRED. (FASTENERS APPLIED JUST TO HOLD FELT IN PLACE UNTIL SHINGLES ARE INSTALLED.)
3. EXTEND THE FIRST LAYER OF ON SITE 15# FELT ONTO THE FIXED ROOF A MIN. OF 6" AND UNDER THE LAST COURSE OF FACTORY INSTALLED SHINGLES IF NEEDED TO MAINTAIN THE 6" MIN. OVERLAP ONTO THE FIXED ROOF.
4. INCLUDED IN THE HINGED ROOF ADDENDUM ARE DETAILS: AD-HR-0001 (WITH SPECIFIC END PANEL LAYOUT), AD-HR-0002, AD-HR-0003, AND AD-HR-0004.

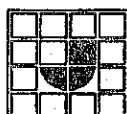
DAPIA APPROVAL:

APPROVED BY



SEP 22 2003

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FEDERAL MANUFACTURED HOME  
CONSTRUCTION AND SAFETY STANDARDS



JACOBSEN HOMES

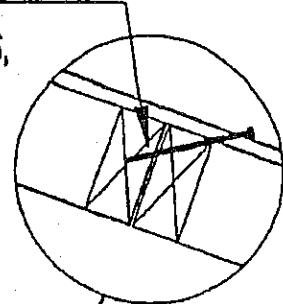
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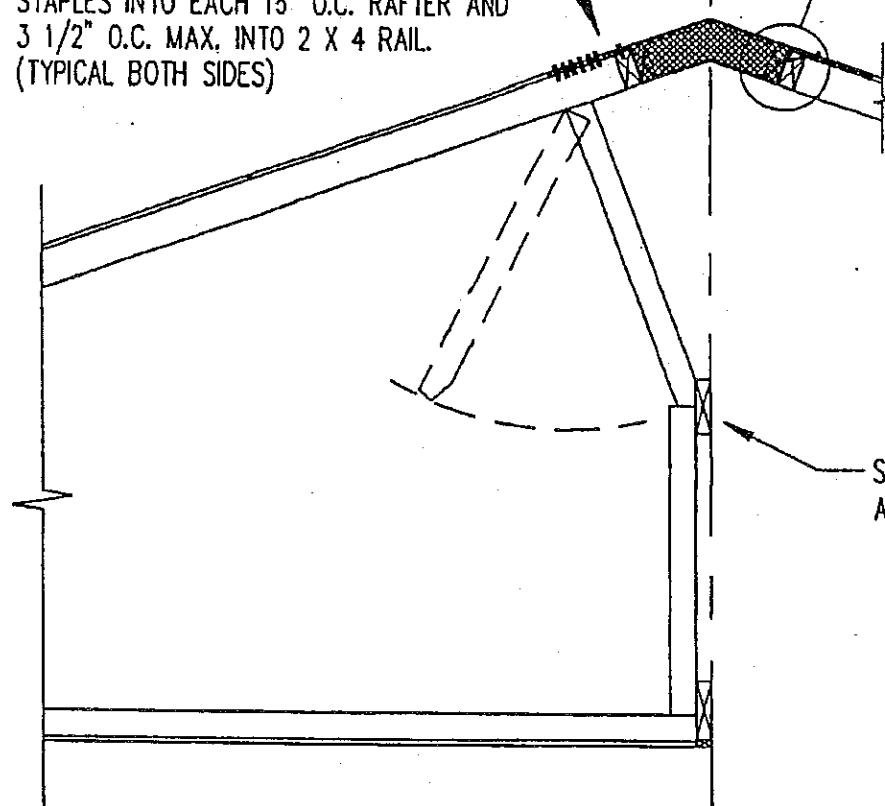
DRAWN BY:	M.T.	DATE:	9-20-03
DRAWING TITLE:	SHINGLE AND UNDERLAYMENT APPLICATION ON HINGED SECTION		
DRAWING NUMBER:	AD-HR-0005		

## PEAK INSTALLATION DETAILS

SECURE ROOF PEAK ASSEMBLIES TO  
HINGED RAFTER WITH #8 X 4" SCREWS,  
6 1/2" O.C. MAX.



DECKING ON RIDGE BLOCK ASSEMBLIES  
FASTENED WITH (6) 7/16" X 1 1/2" X 16 GA.  
STAPLES INTO EACH 15" O.C. RAFTER AND  
3 1/2" O.C. MAX, INTO 2 X 4 RAIL.  
(TYPICAL BOTH SIDES)



SEE AD-HR-0002 FOR  
ASSEMBLY DETAILS.

ALL WINDZONES  
ALL EXPOSURES  
20 PSF ROOF  
10 PSF D.L.

NDS01

### NOTES:

- I. SEE AD-HR-0007 FOR INSTALLATION OF UNDERLAYMENT AND SHINGLES.

REF. CALCS. CRC - 167.01 - 167.02

ENGINEER APPROVAL:

John C. Doederl, P.E.

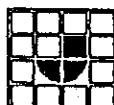
K2 Engineering, Inc.

DAPIA APPROVAL: -

APPROVED BY



Revised  
Jun 09, 2006



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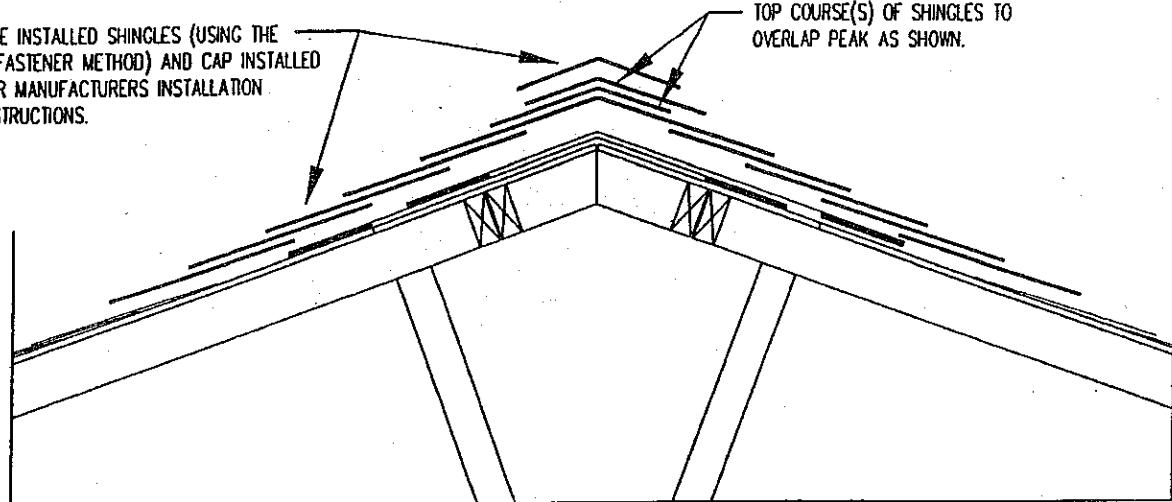
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DRAWN BY: O.A.	DATE: 06-06-06	REV. LETTER: A
DRAWING TITLE: PEAK INSTALLATION DETAILS		
DRAWING NUMBER: AD-HR-0006		

## SHINGLE/UNDERLayment INSTALLATION

SITE INSTALLED SHINGLES (USING THE 6 FASTENER METHOD) AND CAP INSTALLED PER MANUFACTURERS INSTALLATION INSTRUCTIONS.

TOP COURSE(S) OF SHINGLES TO OVERLAP PEAK AS SHOWN.

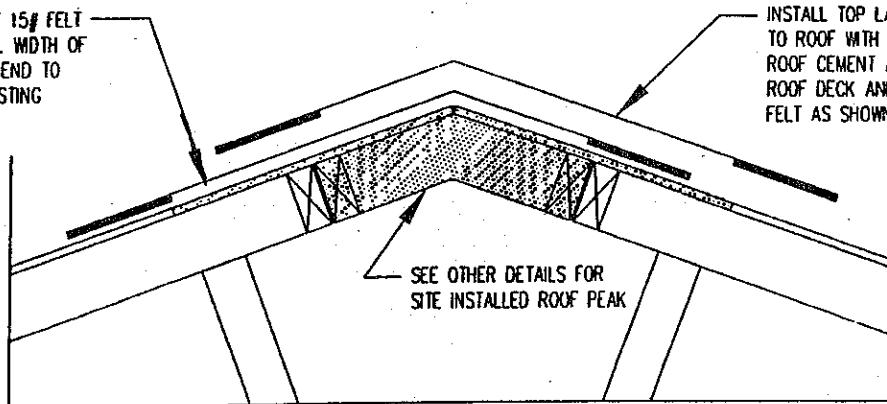


## SHINGLE INSTALLATION

INSTALL FIRST LAYER OF 15# FELT TO ROOF WITH A 6" MIN. WIDTH OF ROOF CEMENT AT EACH END TO ROOF DECK AND/OR EXISTING FELT AS SHOWN.

INSTALL TOP LAYER OF 15# FELT TO ROOF WITH A 6" MIN. WIDTH OF ROOF CEMENT AT EACH END TO ROOF DECK AND/OR EXISTING FELT AS SHOWN.

SEE OTHER DETAILS FOR SITE INSTALLED ROOF PEAK



## UNDERLayment INSTALLATION

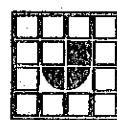
### NOTES:

DAPIA APPROVAL:

APPROVED BY



AUG 02 2004



JACOBSEN HOMES

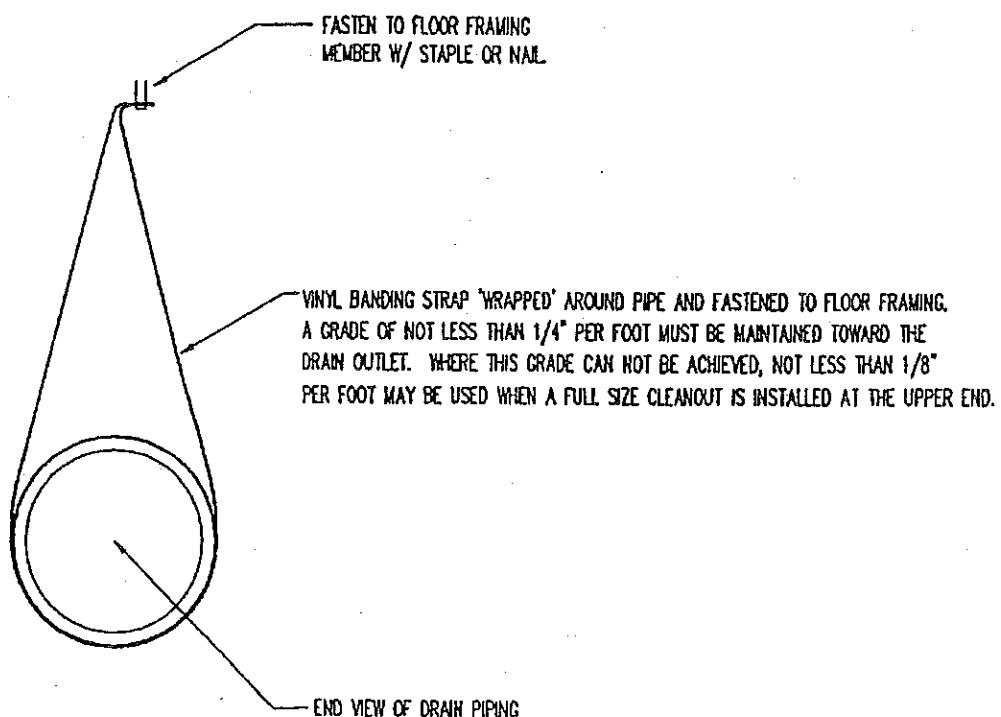
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DRAWN BY:	M.T.	DATE:	7-28-04	REV. LETTER:
DRAWING TITLE:	SHINGLE/UNDERLayment INSTALLATION			
DRAWING NUMBER:	AD-HR-0007			

# ADDENDUM

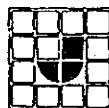
## TYP. SHIP-LOOSE PLUMBING SUPPORT



NOTES:

1. PIPE CLEANER AND GLUE SHALL ALSO BE SUPPLIED BY THE MANUFACTURER FOR PLUMBING CONNECTIONS.
2. 48" O.C. MAX. SUPPORT SPACING.

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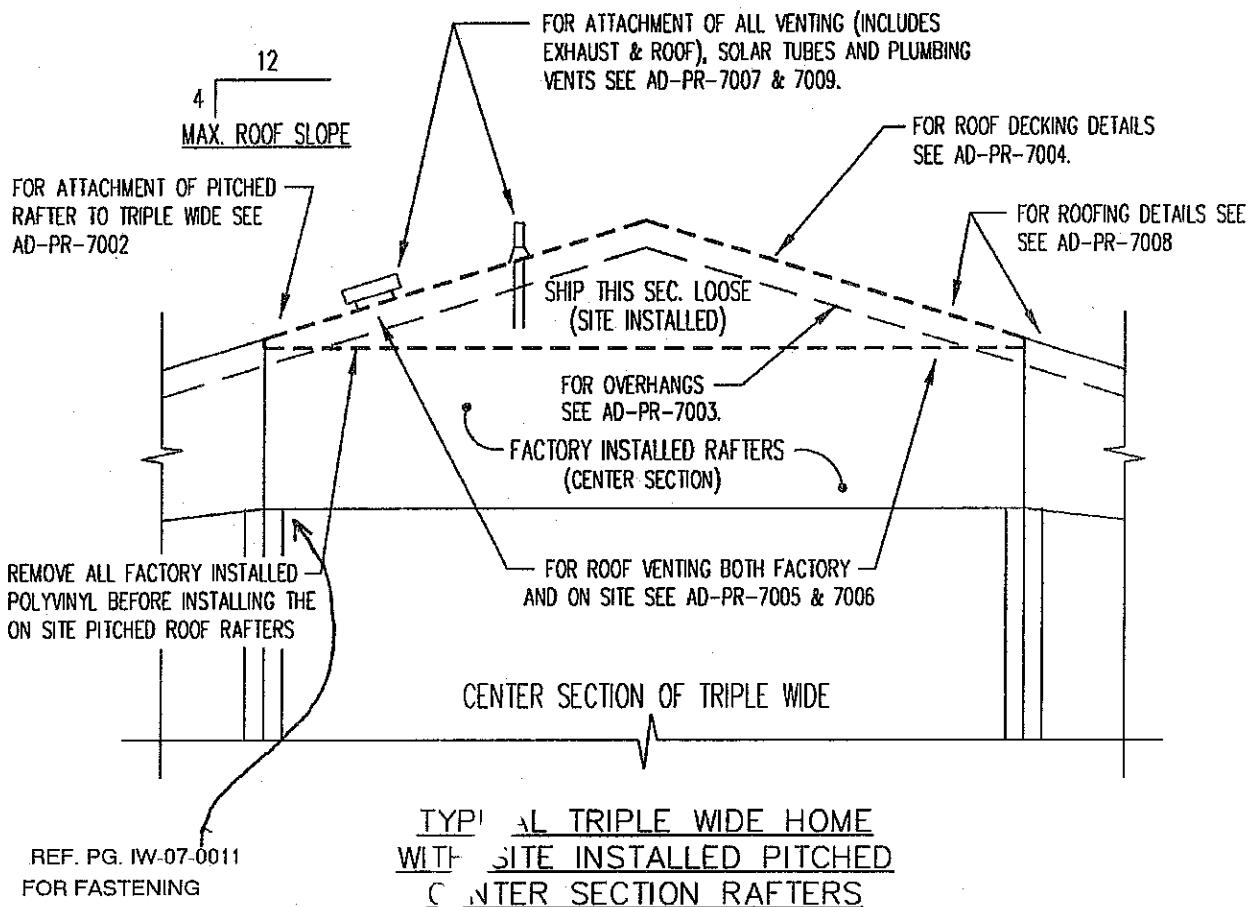
DRAWN BY:	R.R.	DATE:	7-17-97
DRAWING TITLE:	PLUMBING SUPPORT		
DRAWING NUMBER:	AD-PL-0001		

REV. LETTER:  
A

## ON SITE PITCHED ROOF DETAILS

### IMPORTANT NOTICE

THE ON SITE PITCHED ROOF INSTALLATION  
(INCLUDING SHINGLES AND CAP) MUST  
BE COMPLETED WITHIN 60 DAYS OF  
DELIVERY TO THE HOME SITE.



### NOTES:

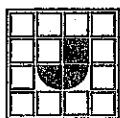
DAPIA APPROVAL:

APPROVED BY



Revised  
Oct 25, 2007

FEDERAL MANUFACTURED HOME  
CONSTRUCTION AND SAFETY STANDARDS



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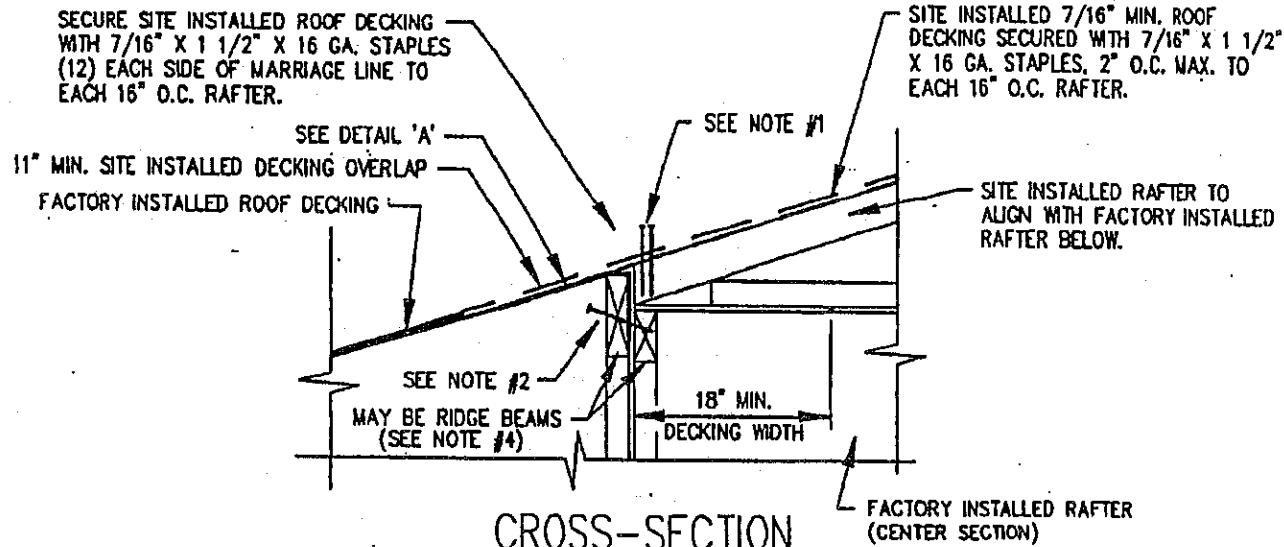
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DRAWN BY: O.A. DATE: 10-24-07  
DRAWING TITLE: ON SITE PITCHED ROOF DETAILS  
DRAWING NUMBER: AD-PR-7001

REV. LETTER: B

## ROOF TO ROOF ATTACHMENT



WINDZONE IN  
ALL EXPOSURES  
(110 MPH)  
20 PSF ROOF  
10 PSF D.L.

REF. PG. RC-07-0044

NDS01

**NOTES:**

1. SECURE EACH 16" O.C. RAFTER TO RAIL BELOW WITH 2-#10 X 4 1/2" SCREWS AT EACH RAFTER END. SITE INSTALLED PITCHED RAFTER TO ALIGN WITH FACTORY INSTALLED RAFTER. (EA. SCREW TO HAVE 1 1/4" PENETRATION MIN.)
2. ATTACH MATE LINE RAFTER RAILS (OR RIDGE BEAMS) WITH #10 X 4 1/2" SCREWS 9" O.C. MAX. SPACING.
3. SEE AD-FA-0020 FOR GAP TREATMENT BETWEEN SECTIONS.

REF. CALCS.  
C-FS3 - 88.01

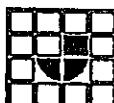
ENGINEER APPROVAL:

John C. Doedens, P.E.  
K2 Engineering, Inc.

DAPIA APPROVAL:

APPROVED BY

Jun 09, 2006  
NHF INC.  
FEDERAL MANUFACTURED HOME  
CONSTRUCTION AND SAFETY STANDARDS



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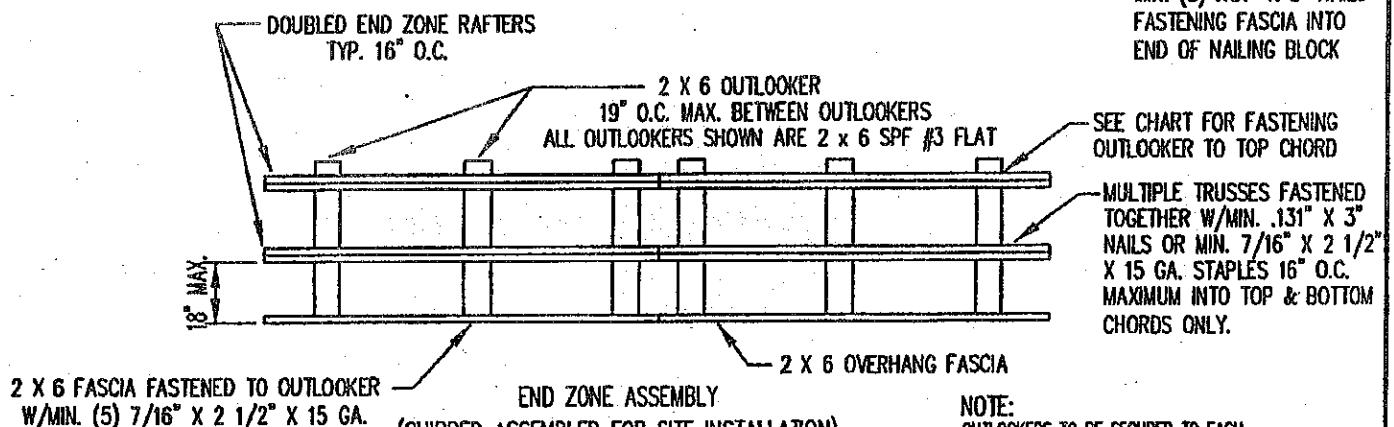
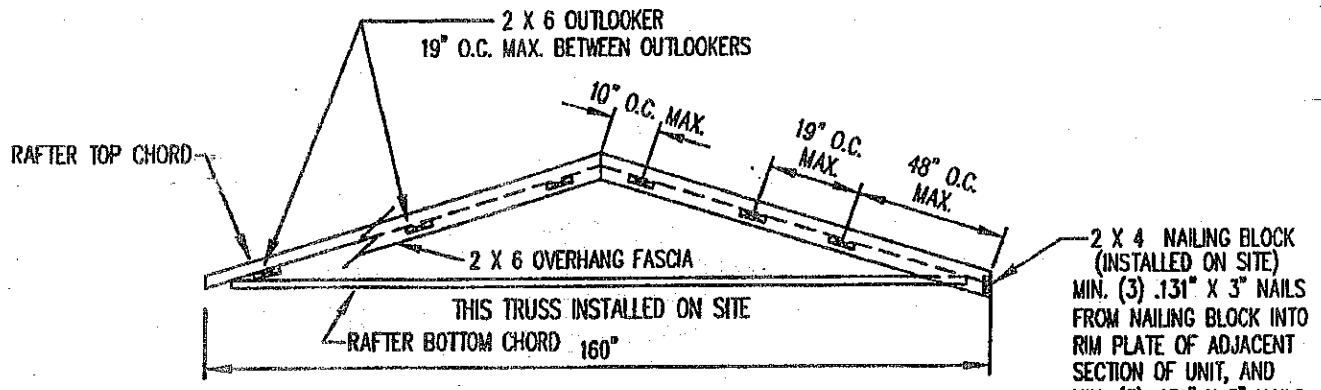
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DRAWN BY:	O.A.	DATE:	06-02-06	REV. LETTER:
DRAWING TITLE:	ROOF TO ROOF ATTACHMENT			
DRAWING NUMBER:	AD-PR-7002			

A

# END ZONE RAFTER/OVERHANG ASSEMBLY

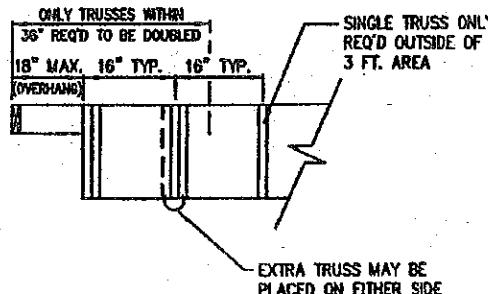
## ALT. CONSTR. R AFTERS



2 X 6 FASCIA FASTENED TO OUTLOOKER  
W/MIN. (5) 7/16" X 2 1/2" X 15 GA.  
STAPLES OR MIN. (3) .131" X 3" NAILS  
(TYPICAL AT ALL CENTER BRACES)

END ZONE ASSEMBLY  
(SHIPPED ASSEMBLED FOR SITE INSTALLATION)

NOTE:  
OUTLOOKERS TO BE SECURED TO EACH  
TRUSS OF THE DOUBLE TRUSSES LOCATED  
IN THE ENDZONE PER FASTENER CHART.



TYP. OUTLOOKER FASTENING:		
FASTENERS:	QUANTITY:	PENETRATION:
.131 PD NAIL	5	1 1/2"
15 GA. STAPLE	8	1"
#8 SCREW	2	1" (INCL. TIP)

OUTLOOKER FASTENERS MAY BE INSTALLED FROM TOP CHORD DOWN IF PENETRATION IS MAINTAINED.  
WINDZONE 111  
ALL EXPOSURES (110 MPH)  
20 PSF ROOF  
10 PSF D.L.

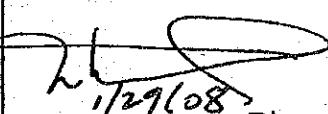
NDS01

### NOTES:

1. ALL TRUSSES LOCATED WITHIN 36" OF THE END OF THE ROOF SECTION TO BE DOUBLED.
2. SEE OTHER DETAILS FOR TYPICAL ROOF FRAMING.
3. EACH TRUSS IN END ZONE AREAS ARE REQUIRED TO BE FASTENED PER AD-PR-7002.

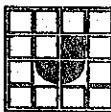
REF. CALCS. C-RC-197.01-197.02

ENGINEER APPROVAL:

  
1/29/08  
John C. Doeden, P.E.  
K2 Engineering, Inc.

DAPIA APPROVAL:

APPROVED BY  
  
Feb 05, 2008  
NFI INC.  
FEDERAL MANUFACTURED HOME  
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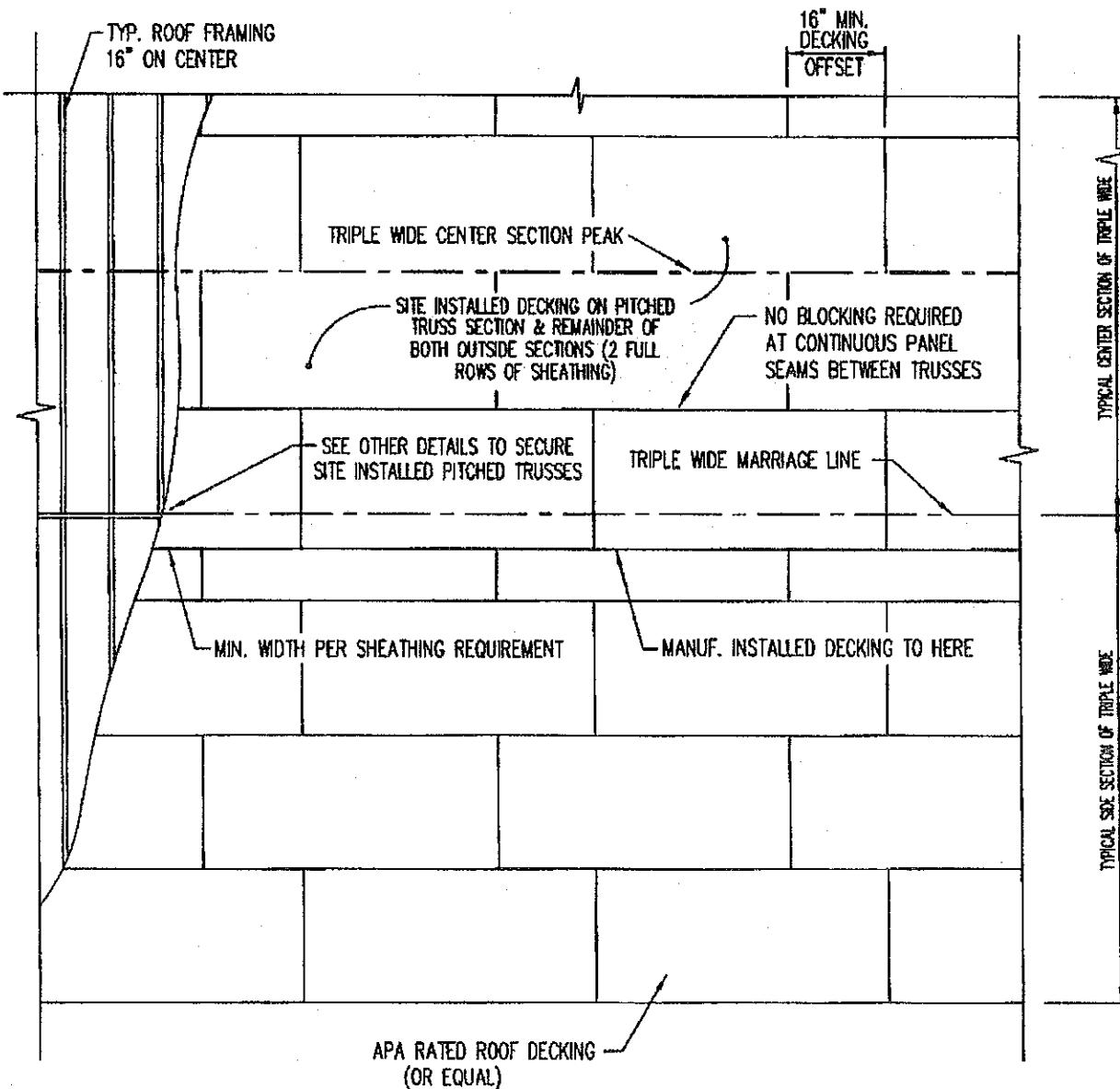
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DRAWN BY: O.A.	DATE: 1-29-08	REV. LETTER: A
DRAWING TITLE: END ZONE RAFTER/OVERHANG ASSEMBLY		
DRAWING NUMBER: AD-PR-7003		

## ON SITE PITCHED ROOF DECKING INSTALLATION

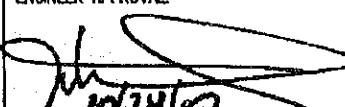


WINDZONE III  
ALL EXPOSURES  
(110 MPH)  
20 PSF ROOF  
10 PSF D.L.

### NOTES:

1.  $1/8"$  MAXIMUM GAP AND  $1/16"$  MINIMUM GAP BETWEEN DECKING PERPENDICULAR AND PARALLEL TO TRUSSES.
2. ROOF DECKING MATERIAL TO BE  $7/16"$  APA RATED ROOF (24/0 SPAN RATED) DECKING (EQUAL OR BETTER).
3. OTHER TRIPLE WIDE SECTION (NOT SHOWN) WILL BE THE SAME DECKING PATTERN.
4. FASTEN DECKING TO ROOF FRAMING WITH  $7/16 \times 1 1/2" \times 15$  GA. STAPLES AT  $3" O/C$  EDGES AND FIELD

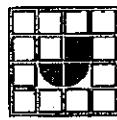
### ENGINEER APPROVAL:

  
John C. Doedens, P.E.  
K2 Engineering, Inc.

### DAPIA APPROVAL:

#### APPROVED BY

  
Revised  
Oct 29, 2007  
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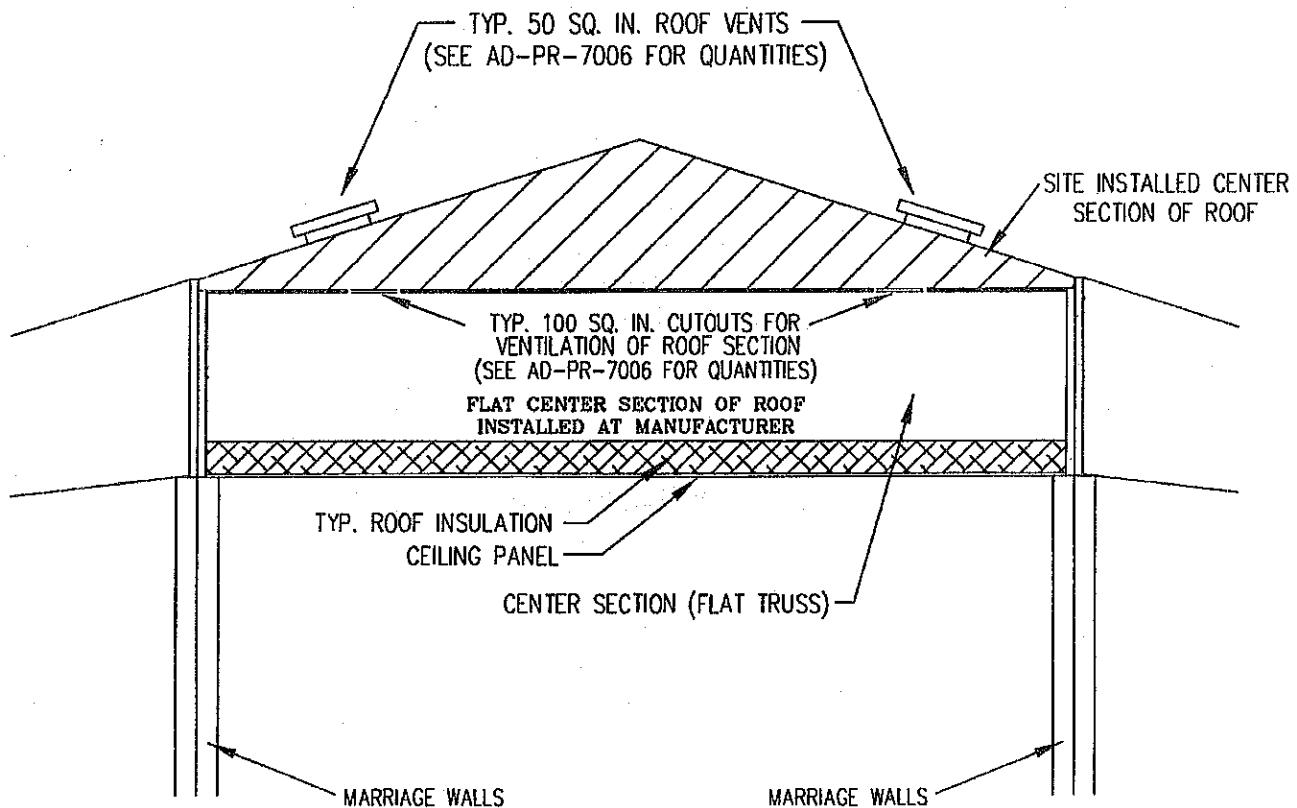
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DRAWN BY:	O.A.	DATE:	10-24-07
DRAWING TITLE:		ON SITE PITCHED ROOF DECKING INST.	
DRAWING NUMBER:			
AD-PR-7004			

REV. LETTER:

A

## SITE INSTALLED PITCHED ROOF VENTING



## FLAT CENTER SECTION

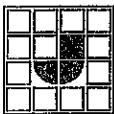
### NOTES:

DAPIA APPROVAL:



Revised  
Oct 25, 2007

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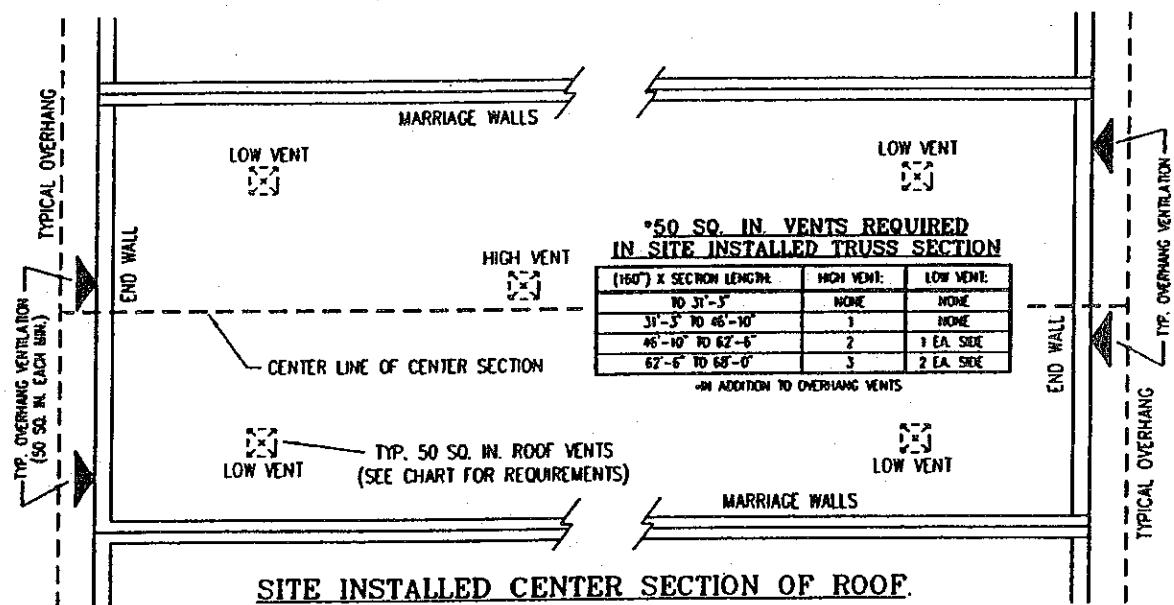
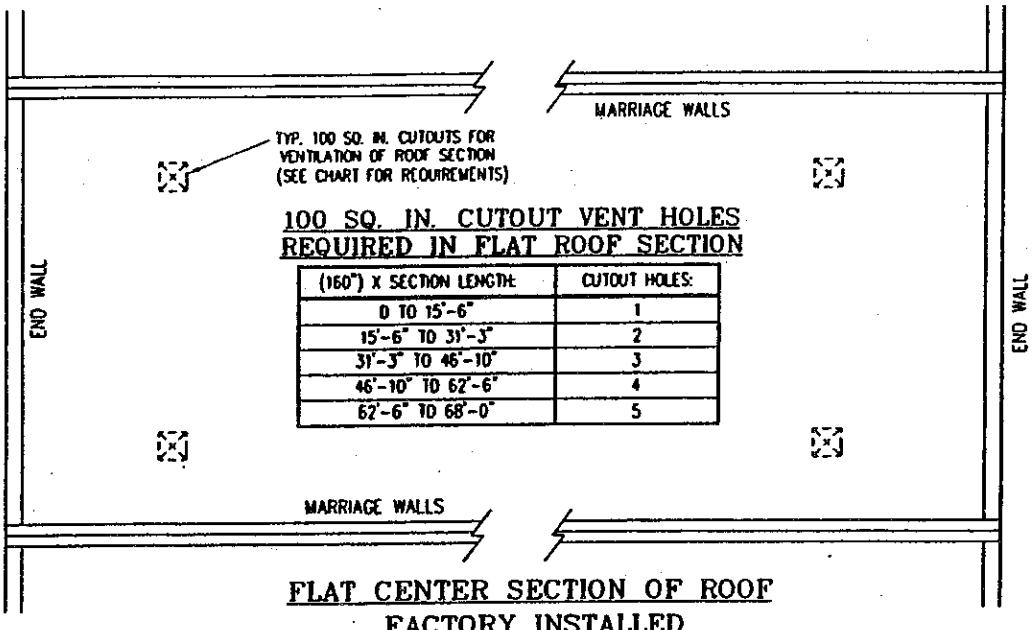
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DRAWN BY: O.A. DATE: 10-24-07  
DRAWING TITLE: SITE INSTALLED PITCHED ROOF VENTS  
DRAWING NUMBER: AD-PR-7005

REV. LETTER:

A

# ROOF VENTING



NOTES:

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JUN 10 2004

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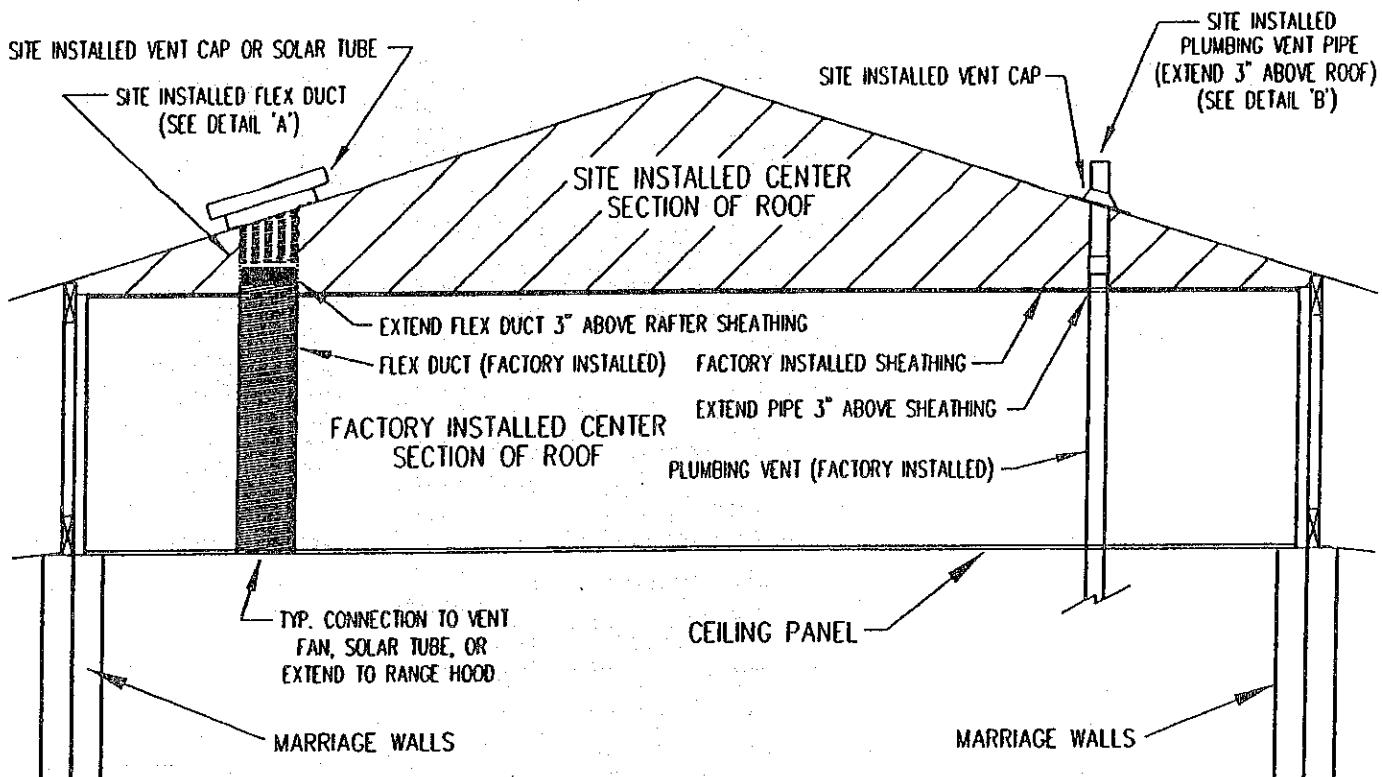
DRAWN BY: R.R. DATE: 01-22-04

DRAWING TITLE: ROOF VENTING

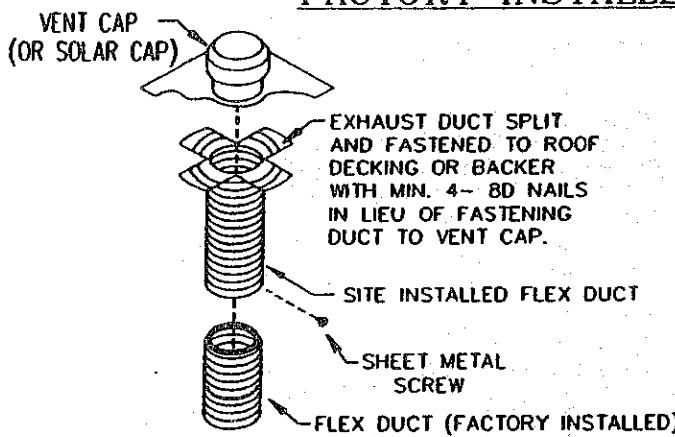
DRAWING NUMBER: AD-PR-7006

REV. LETTER:

## PITCHED ROOF EXTENDED VENTS



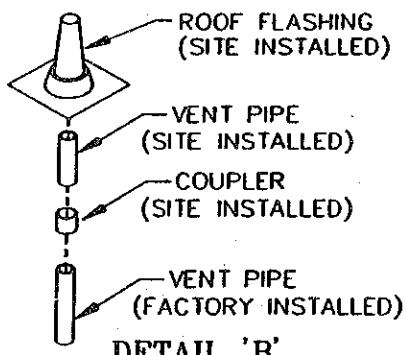
### FACTORY INSTALLED FLAT CENTER SECTION



NOTE: EXHAUST DUCT (FLEX DUCT OR RIGID) SECURED WITH 1 SHEET METAL SCREW MINIMUM AND ALUMINUM TAPE TO SEAL AROUND DUCT AFTER SCREW IS IN PLACE.

### DETAIL 'A'

### PLUMBING VENT



#### NOTES:

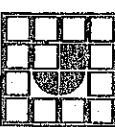
1. FOR VENTS NOT SHOWN INSTALL PER MANUFACTURERS SPECIFICATIONS.
2. SEE OTHER DETAILS FOR ROOF FLASHING INSTALLATION.
3. EXHAUST DUCT MAY BE RUN THROUGH EITHER A SQUARE OR ROUND HOLE CUT IN ROOF DECKING.
4. RANGE AND BATH/AIR QUALITY FLEX DUCTS TO BE SPLICED WITH ALUMINUM TAPE AS SHOWN IN THE DETAIL ABOVE.
5. SECURE SITE INSTALLED PLUMBING VENT PIPE INTO COUPLER WITH APPROVED GLUE.

DAPIA APPROVAL:

APPROVED BY



JUN 10 2004



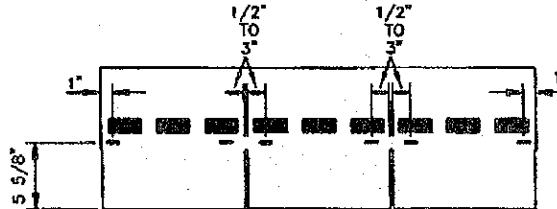
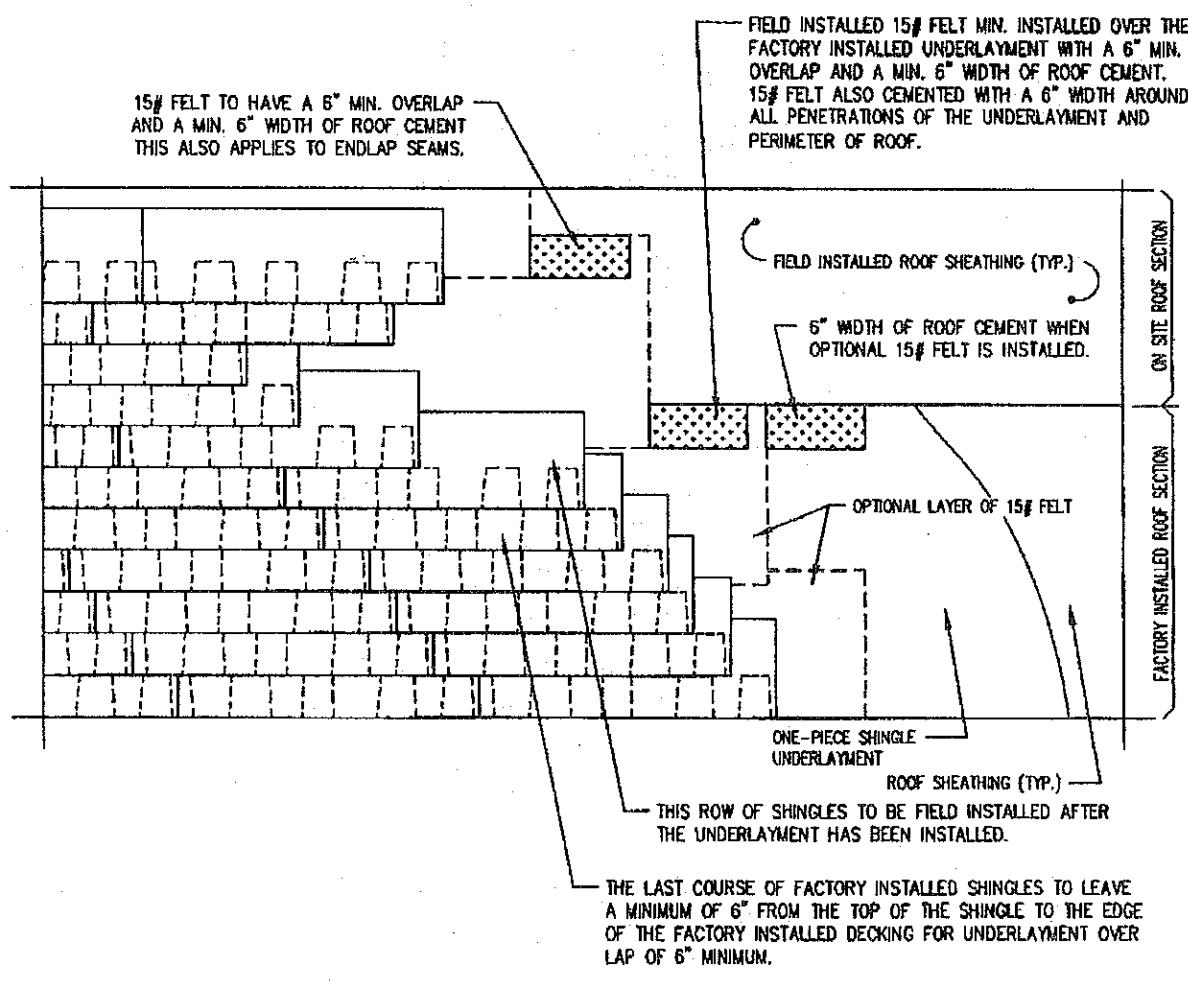
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DRAWN BY:	R.R.	DATE:	01-23-04	REV. LETTER:
DRAWING TITLE:	PITCHED ROOF EXTENDED VENTS			
DRAWING NUMBER:	AD-PR-7007			

## SITE INSTALLED SHINGLE AND UNDERLAYMENT



WINDZONE III  
(110 MPH)  
ALL EXPOSURES

NOTES:

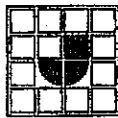
1. CEMENTING OF OPTIONAL 15# FELT IS NOT REQUIRED IN ANY AREA EXCEPT WHERE NOTED.
2. FASTENING OF OPTIONAL 15# FELT IS NOT REQUIRED. (FASTENERS APPLIED ARE JUST TO HOLD FELT IN PLACE UNTIL SHINGLES ARE INSTALLED.)
3. SHINGLES INSTALLED PER MANUFACTURERS INSTALLATION INSTRUCTIONS ONLY WHEN SPECIFIC APPLICATIONS ARE NOT COVERED.

ENGINEER APPROVAL:

*[Signature]*  
John C. Odeeden, P.E.  
K2 Engineering, Inc.

DAPIA APPROVAL:

APPROVED BY  
**NA INC.** Revised Oct 29, 2007  
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS



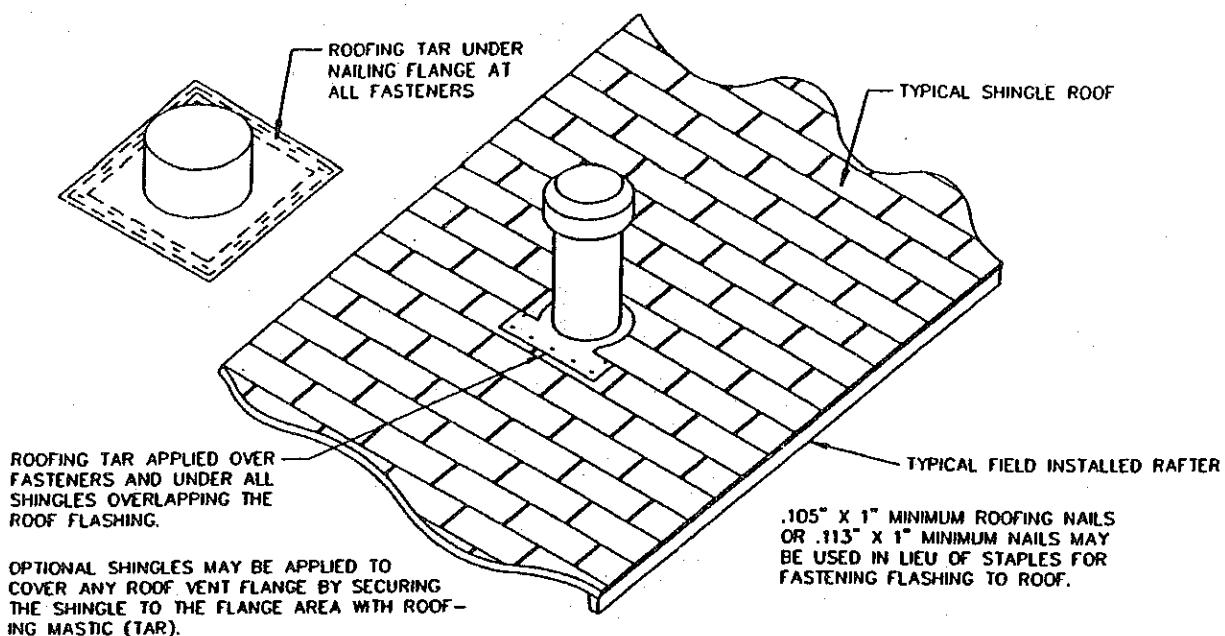
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PHONE (813) 726-1138

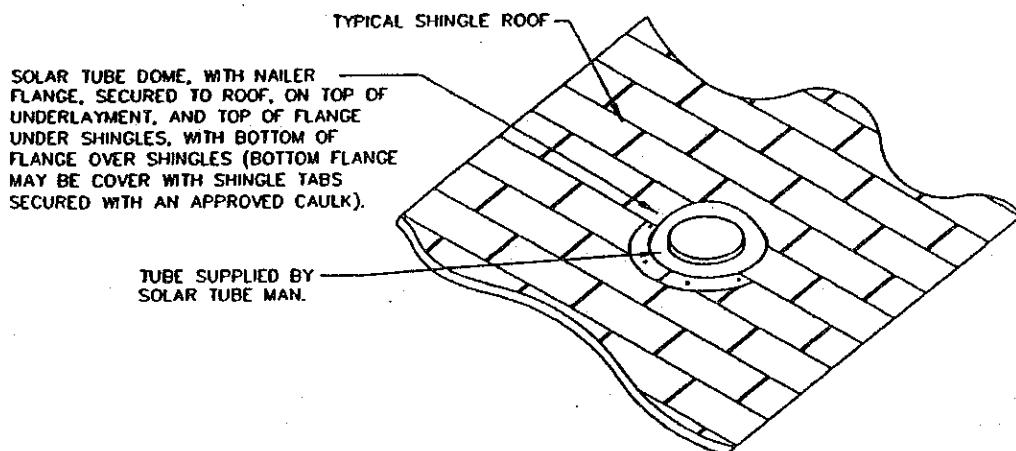
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DRAWN BY:	O.A.	DATE:	10-24-07	REV. LETTER: A
DRAWING TITLE:	SITE INSTALLED SHINGLE AND UNDERLAYMENT			
DRAWING NUMBER:	AD-PR-7008			

## TYPICAL FLASHING INSTALLATION



## OPT. SOLAR TUBE INSTALLATION



### NOTES:

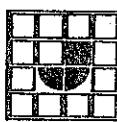
1. ROOF FLANGE FASTENED TO SHINGLE ROOF WITH MIN. 1" X 1" X 16 GA. STAPLES 6" O.C. (SHINGLES APPLIED UNDER LOWER END OF FLANGE).

DAPIA APPROVAL:

APPROVED BY



JUN 10 2004



**JACOBSEN HOMES**

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DRAWN BY:	M.T.	DATE:	02-04-04	REV. LETTER:
DRAWING TITLE:	TYP. FLASHING INSTALLATION			
DRAWING NUMBER:	AD-PR-7009			

# ADDENDUM

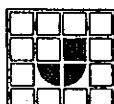
## GENERAL NOTES / TIE-DOWNS

### NOTES:

1. FRAME TIE-DOWNS SHALL BE INSTALLED TO PROPERLY SECURE THE HOME.
2. VERTICAL TIE-DOWNS ARE REQUIRED IN ADDITION TO THE FRAME TIE-DOWNS.
3. VERTICAL TIES MAY BE SECURED TO THE SAME GROUND ANCHOR AS THE FRAME TIE-DOWNS WHEN A DOUBLE HEADED ANCHOR IS USED AND IS CAPABLE OF RESISTING THE COMBINED LOADING. WHEN ANCHORS ARE NOT INSTALLED AT THE ANGLE(S) SPECIFIED IN THE TABLE(S), A STABILIZER PLATE MUST BE INSTALLED IN ACCORDANCE WITH THE ANCHOR MANUFACTURER'S INSTRUCTIONS.
4. FRAME TIE-DOWNS AND ANCHORS ARE NOT SUPPLIED BY JACOBSEN HOMES (TO BE SUPPLIED BY OTHERS).
5. VERTICAL TIE STRAPS MAY BE SUPPLIED BY JACOBSEN HOMES OR ANCHOR BRACKET MAY BE INSTALLED BY JACOBSEN HOMES FOR ATTACHMENT OF VERTICAL TIE STRAPS. IN EITHER CASE ALL ANCHORS AND END TREATMENTS ARE TO BE SUPPLIED BY OTHERS.
6. ALL GROUND ANCHORS AND FRAME TIES SHALL BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. GROUND ANCHORS AND FRAME TIES ARE NOT TO EXTEND BEYOND THE EXTERIOR WALL OF THE UNIT.
7. STEEL ANCHORING EQUIPMENT EXPOSED TO THE WEATHER SHALL BE PROTECTED WITH A MIN. OF 0.30 OZ. OF ZINC COATING PER SQUARE FOOT OF STEEL.
8. DESIGN BASED ON 95 1/2" I-BEAM SPACING AND A MAXIMUM SIDEWALL HEIGHT OF 8'-0" (82" I-BEAM SPACING IS ACCEPTABLE FOR 10' WIDE SECTIONS OF MULTI-WIDE UNITS W/ 90" SIDEWALL HEIGHT ONLY).
9. LONGITUDINAL TIES SHALL BE INSTALLED ON THE INSIDE OF EACH I-BEAM AT THE CROSS-MEMBER LOCATIONS OR PER ALTERNATE DETAILS IN ACCORDANCE WITH THE SPACING TABLES AND NOTES 4, 6, 7 AND 16.
10. FRAME TIE-DOWNS SHALL BE "WRAPPED" AROUND THE MAIN I-BEAM (AS SHOWN ON TYP. CROSS-SECTION DETAILS) AND SHALL COME OFF THE TOP FLANGE OF THE I-BEAM WITH AN APPROVED BUCKLE OR LOOP.
11. ANCHORS SHOULD BE CERTIFIED FOR THESE CONDITIONS BY A PROFESSIONAL ENGINEER ARCHITECT OR A NATIONALLY RECOGNIZED TESTING LABORATORY AS TO THEIR RESISTANCE BASED ON THE INSTALLED ANGLE OF THE DIAGONAL TIE AND/OR VERTICAL LOADING AND ANGLE OF ANCHOR INSTALLATION AND TYPE OF SOIL IN WHICH THE ANCHOR IS TO BE INSTALLED.
12. GROUND ANCHORS SHOULD BE EMBEDDED BELOW THE FROST LINE AND BE AT LEAST 12" ABOVE THE WATER TABLE.
13. GROUND ANCHORS SHOULD BE INSTALLED TO THEIR FULL DEPTH, AND STABILIZER PLATES SHOULD BE INSTALLED TO PROVIDE ADDED RESISTANCE TO OVERTURNING OR SLIDING FORCES.
14. ANCHORING EQUIPMENT SHOULD BE BY A REGISTERED PROFESSIONAL ENGINEER OR ARCHITECT TO RESIST THESE SPECIFIED FORCES IN ACCORDANCE WITH TESTING PROCEDURES IN ASTM STANDARD SPECIFICATION D3593-91, STANDARD SPECIFICATION FOR STRAPPING, FLAT STEEL AND SEALS.
15. ALL GROUND ANCHORS TO BE RATED FOR LOAD LISTED IN TABLES, TIMES 1.5 SAFETY FACTOR OR AN ULTIMATE LOAD OF 4725# (3150# DESIGN LOAD), WHICHEVER IS GREATER. VALUES IN THE TABLES ARE DESIGN LOAD VALUES.
16. A MAXIMUM OF TWO LONGITUDINAL TIE-DOWN STRAPS MAY BE INSTALLED AT A SINGLE CROSS-MEMBER LOCATION. IF MORE THAN TWO LONGITUDINAL TIE-DOWNS ARE REQUIRED (SEE APPROPRIATE SPACING TABLES) ADDITIONAL CROSS-MEMBERS MUST BE USED FOR ATTACHMENT OF STRAP(S) (OR SEE OTHER DETAILS FOR ALTERNATE STRAP ATTACHMENT).
17. LONGITUDINAL TIE-DOWN STRAP(S) MAY BE INSTALLED AT AN ANGLE NOT PERPENDICULAR TO THE CROSS-MEMBER TO WHICH IT IS ATTACHED (SEE NOTE 16) IF REQUIRED TO MISS PIER LOCATIONS OR OTHER OBSTRUCTION(S).
18. ALL FIGURES (DETAILS) SHOWN IN THIS SECTION ARE TYPICALS ONLY. REFER TO THE APPROPRIATE TABLES FOR THE REQUIRED NUMBER, SPACING AND/OR SPECS OF SPECIFIC TIE-DOWNS AND ANCHORS REQUIRED.
19. SEE OTHER DETAILS IN THE SET-UP MANUAL AND ADDENDUM FOR BLOCKING REQUIREMENTS. ALL BLOCKING DETAILS CONTAINED WITHIN THIS MANUAL ARE APPLICABLE FOR ALL ZONES AND ALL EXPOSURES.

### NOTES:

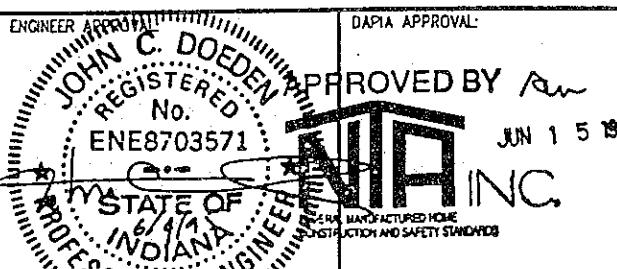
THESE NOTES AND DETAILS ARE APPLICABLE FOR WIND ZONE II AND/OR WIND ZONE III. THEY ARE ALSO APPLICABLE TO BOTH EXPOSURE 'C' AND EXPOSURE 'D'. SEE APPROPRIATE TABLES FOR SPECIFIC INFORMATION ON EACH.



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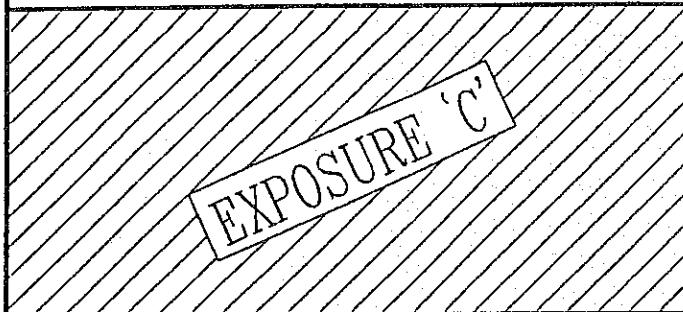
DRAWN BY:	C.L.Y.	DATE:	5-19-95
DRAWING TITLE:	TD-GENERAL NOTES		
DRAWING NUMBER:	AD-TD-0001		

A

# ADDENDUM

## NORMAL TIE-DOWN SPACING TABLES ZONE II & III/EXP. C & D

SEE FIGURES  
1.0 & 1.1

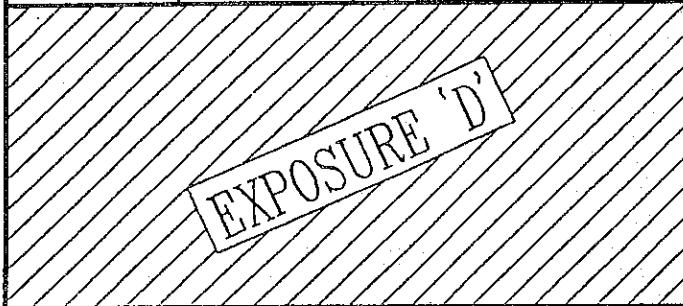


**LONGITUDINAL TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. 0	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. 0
20'-0"	2	36°	2	45°
24'-0"	2	46°	2	60°
25'-4"	2	50°	3	38°
26'-8"	2	54°	3	41°

**VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II			WIND ZONE III		
		SPACING	DBL HEAD LOAD	ANCHOR ANGLE	SPACING	DBL HEAD LOAD	ANCHOR ANGLE
20'-0"	12"	8'-0"	3150#	40°-50°	6'-8"	3150#	40°-50°
24'-0"	12"	8'-0"	3150#	40°-50°	6'-8"	3150#	40°-50°
25'-4"	12"	8'-0"	3150#	40°-50°	6'-8"	3150#	40°-50°
26'-8"	12"	8'-0"	3150#	40°-50°	6'-8"	3150#	40°-50°



**LONGITUDINAL TIE-DOWN SPACING TABLE**

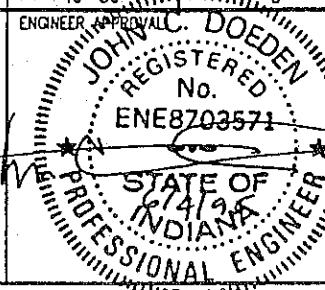
MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. 0	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. 0
20'-0"	2	50°	2	68°
24'-0"	2	70°	3	50°
25'-4"	3	45°	3	60°
26'-8"	3	45°	3	60°

**VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II			WIND ZONE III		
		SPACING	DBL HEAD LOAD	ANCHOR ANGLE	SPACING	DBL HEAD LOAD	ANCHOR ANGLE
20'-0"	12"	5'-4"	3150#	40°-45°	4'-0"	3150#	40°-50°
24'-0"	12"	5'-4"	3150#	40°-50°	4'-0"	3150#	40°-50°
25'-4"	12"	5'-4"	3150#	40°-50°	4'-0"	3150#	40°-50°
26'-8"	12"	5'-4"	3150#	40°-50°	4'-0"	3150#	40°-50°

**NOTES:**

1. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.
2. SEE AD-TD-0011 FOR MAXIMUM PIER HEIGHTS REQUIRED FOR THE LOADS TABULATED ABOVE.



DAPIA APPROVAL:

APPROVED BY [Signature]



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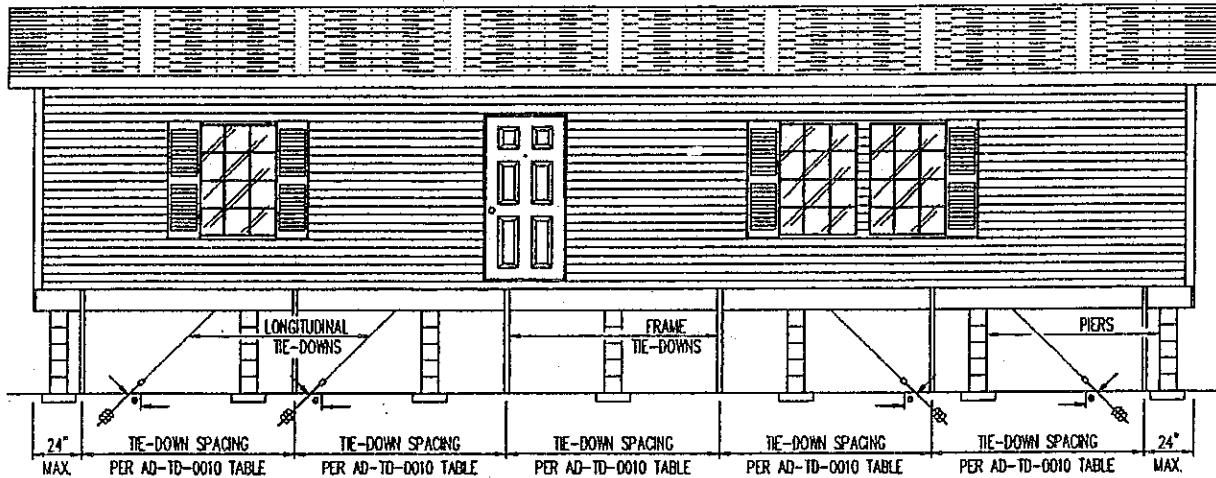
DRAWING NO.: C.L.Y. DATE: 5-30-95  
DRAWING TITLE: NORM. SPACING TABLES  
DRAWING NUMBER: AD-TD-0010

REV. LETTER:  
A

# ADDENDUM

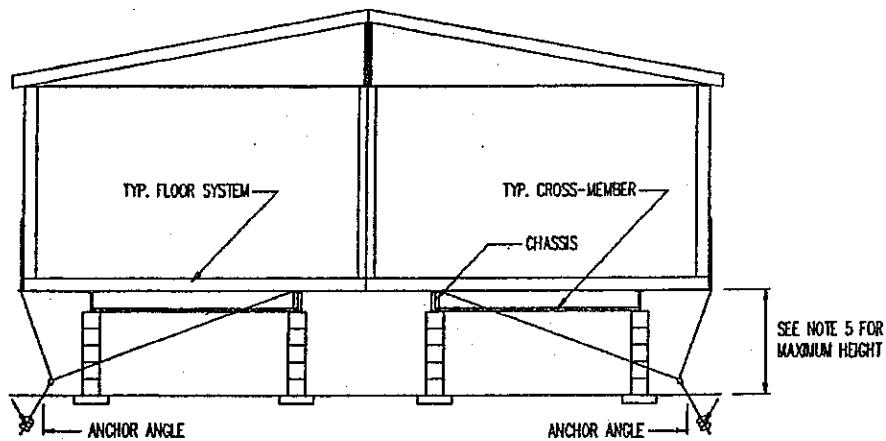
## TIE-DOWN SYSTEM

TYPICAL SIDE ELEVATION  
SHOWING TIE-DOWN SPACINGS



**FIGURE 1.0**  
SEE FIGURE 2.0 FOR ALTERNATE TIE-DOWN METHOD

TYPICAL CROSS SECTION  
SHOWING TIEDOWNS



**FIGURE 1.1**  
SEE FIGURE 5.0 FOR ALTERNATE TIE-DOWN METHOD

NOTES:

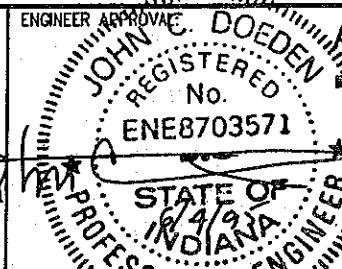
1. SEE AD-TD-0010 FOR SPACING TABLES.
2. SEE AD-TD-0010 FOR QUANTITY OF LONGITUDINAL TIE-DOWN STRAPS REQUIRED.
3. SEE OTHER DETAILS FOR BLOCKING (PIER) QUANTITY AND OTHER REQUIREMENTS.
4. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.
5. ZONE 2/EXPOSURE 'C': 60" MAXIMUM HEIGHT  
ZONE 2/EXPOSURE 'D': 44" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'C': 40" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'D': 36" MAXIMUM HEIGHT



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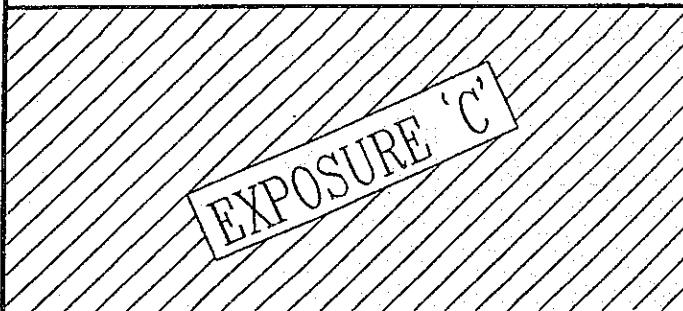


DRAWING BY:	C.L.Y.	DATE:	3-27-95
DRAWING TITLE:	FIGURES 1.0 AND 1.1		
DRAWING NUMBER:	AD-TD-0011	REV. LETTER:	

# ADDENDUM

## NORMAL TIE-DOWN SPACING TABLES ZONE II & III/EXP. C & D

*SEE FIGURES  
1.2 & 1.3*

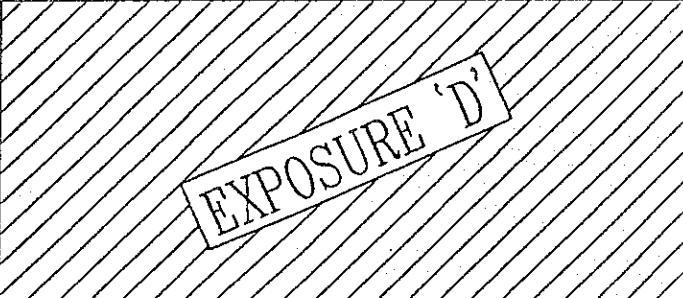


**LONGITUDINAL TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. 0	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. 0
12'-0"	2	43°	2	55°
13'-4"	2	50°	2	68°

**VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II			WIND ZONE III		
		SPACING	DBL HEAD LOAD	ANCHOR ANGLE	SPACING	DBL HEAD LOAD	ANCHOR ANGLE
12'-0"	6"	8'-0"	3150#	40°-50°	6'-8"	3150#	40°-50°
13'-4"	6"	8'-0"	3150#	40°-50°	6'-8"	3150#	40°-50°



**LONGITUDINAL TIE-DOWN SPACING TABLE**

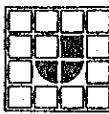
MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. 0	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. 0
12'-0"	2	64°	3	47°
12'-0"	3	37°	4	33°
13'-4"	3	42°	3	55°
13'-4"	4	30°	4	38°

**VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II			WIND ZONE III		
		SPACING	DBL HEAD LOAD	ANCHOR ANGLE	SPACING	DBL HEAD LOAD	ANCHOR ANGLE
12'-0"	6"	5'-4"	3150#	40°-45°	4'-0"	3150#	40°-50°
13'-4"	6"	5'-4"	3150#	40°-50°	4'-0"	3150#	40°-50°

**NOTES:**

1. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.
2. SEE AD-TD-0013 FOR MAXIMUM PIER HEIGHTS REQUIRED FOR THE LOADS TABULATED ABOVE.
3. MAX. EAVE OVERHANG REFERS TO OVERHANG AT SIDEWALL NOT FRONT OR REAR.
4. ABOVE TABLES APPLY TO 160" FLOOR OR 144" FLOOR WIDTHS WITH 95 1/2" I-BEAM SPACING, 96" MAXIMUM SIDEWALL HEIGHT AND 6" MAXIMUM SIDE OVERHANG (6" OVERHANG MAX. EACH SIDE OF UNIT).



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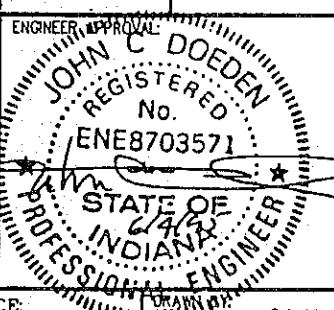
DRAWING BY: C.L.Y.

DATE: 5-30-95

REV. LETTER:

DRAWING TITLE: NORM. SPACING TABLES

DRAWING NUMBER: AD-TD-0012



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Rev JUN 1 5 1995

INC.

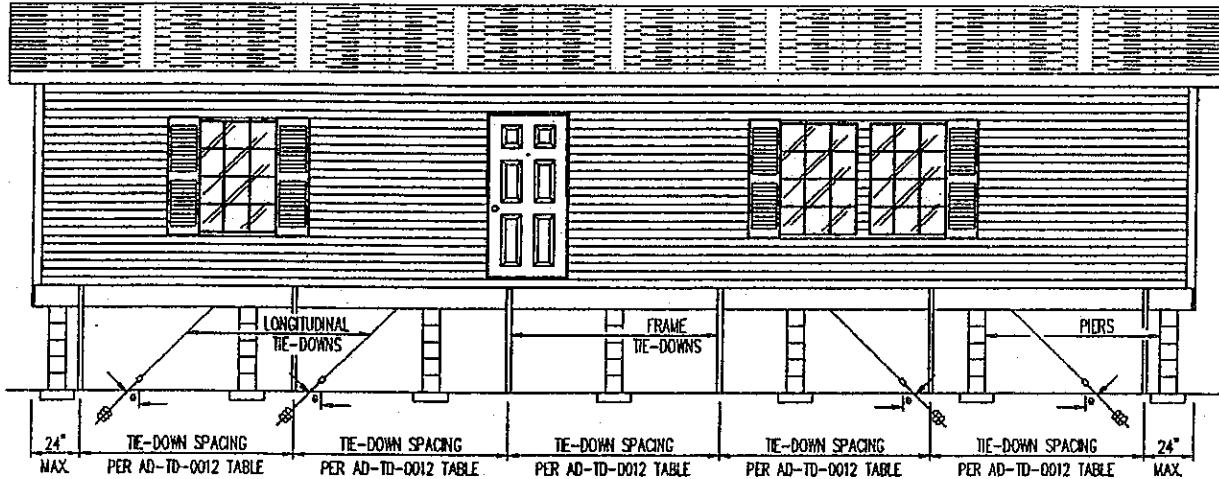
FEDERAL MANUFACTURED HOME  
CONSTRUCTION AND SAFETY STANDARDS

A

# ADDENDUM

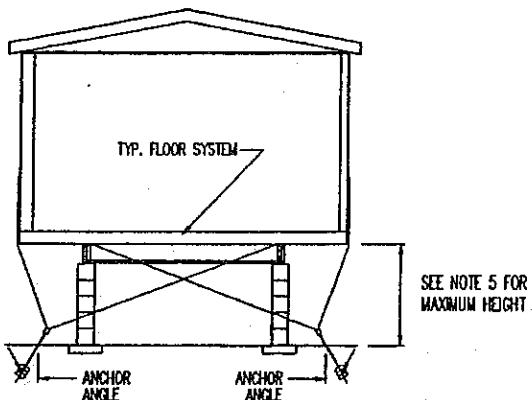
## TIE-DOWN SYSTEM

TYPICAL SIDE ELEVATION  
SHOWING TIE-DOWN SPACINGS



**FIGURE 1.2**  
SEE FIGURE 2.0 FOR ALTERNATE TIE-DOWN METHOD

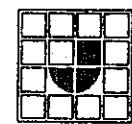
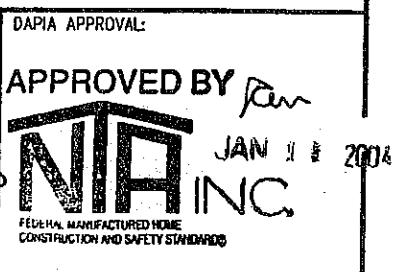
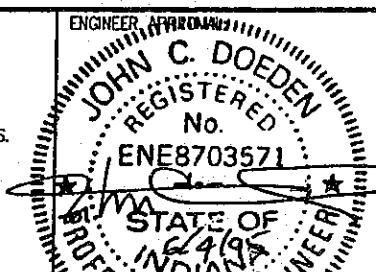
TYPICAL CROSS SECTION  
SHOWING TIEDOWNS



**FIGURE 1.3**  
SEE FIGURE 7.0 FOR ALTERNATE TIE-DOWN METHOD

NOTES:

1. SEE AD-TD-0012 FOR SPACING TABLES AND NOTES.
2. SEE AD-TD-0012 FOR QUANTITY OF LONGITUDINAL TIE-DOWN STRAPS REQUIRED.
3. SEE OTHER DETAILS FOR BLOCKING (PIER) QUANTITY AND OTHER REQUIREMENTS.
4. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.
5. ZONE 2/EXPOSURE 'C': 30" MAXIMUM HEIGHT  
ZONE 2/EXPOSURE 'D': 48" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'C': 28" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'D': 60" MAXIMUM HEIGHT



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DRAWN BY C.L.Y.

DATE: 5-19-95

REV. LETTER:

DRAWING TITLE: FIGURES 1.2 AND 1.3

DRAWING NUMBER: AD-TD-0013

A

# ADDENDUM

## ALTERNATE TIE-DOWN SYSTEM

TYPICAL SIDE ELEVATION  
SHOWING TIE-DOWN SPACINGS:

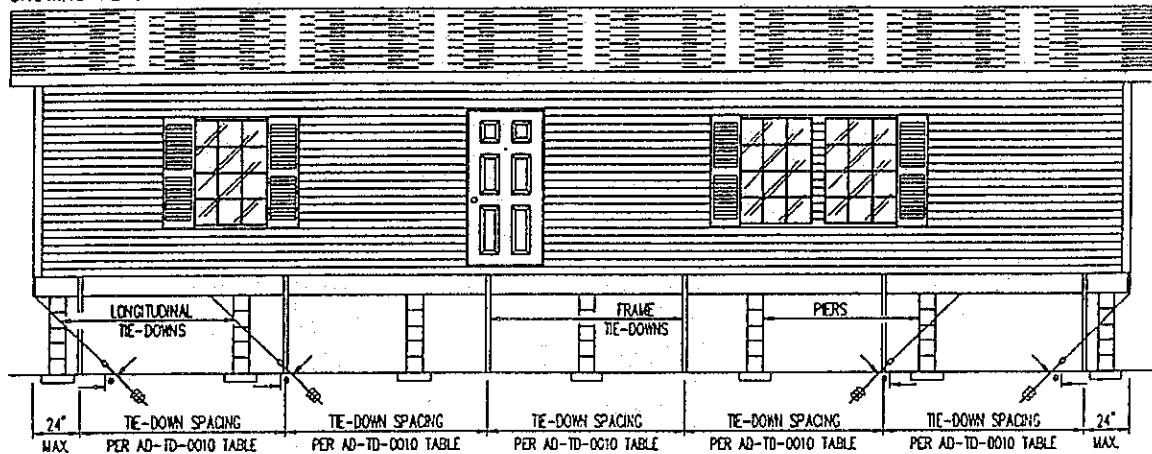
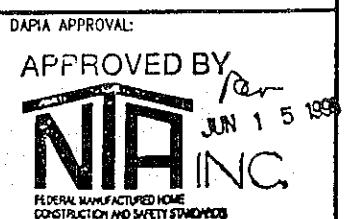
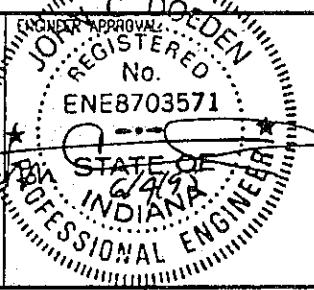


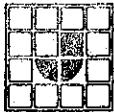
FIGURE 2.0

SEE FIGURES 1.1 AND 1.3 FOR TYP. CROSS-SECTION(S)

NOTES:

1. SEE AD-TD-0010 FOR SPACING TABLES.
2. SEE AD-TD-0010 FOR QUANTITY OF LONGITUDINAL TIE-DOWN STRAPS REQUIRED.
3. SEE OTHER DETAILS FOR BLOCKING (PIER) QUANTITY AND OTHER REQUIREMENTS.
4. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.



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		DRAWING TITLE:	FIGURE 2.0			
		DRAWING NUMBER:	AD-TD-0014			

ADDENDUM  
**ALTERNATE TIE-DOWN SYSTEM(S)**  
 ALTERNATE LONGITUDINAL TIE-DOWN INSTALLATION METHODS

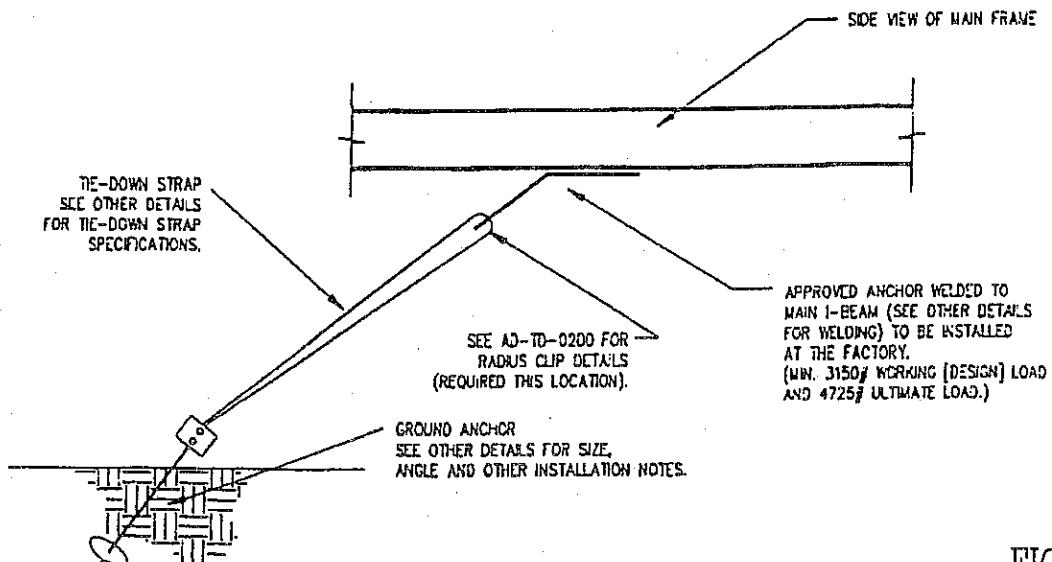


FIGURE 2.1

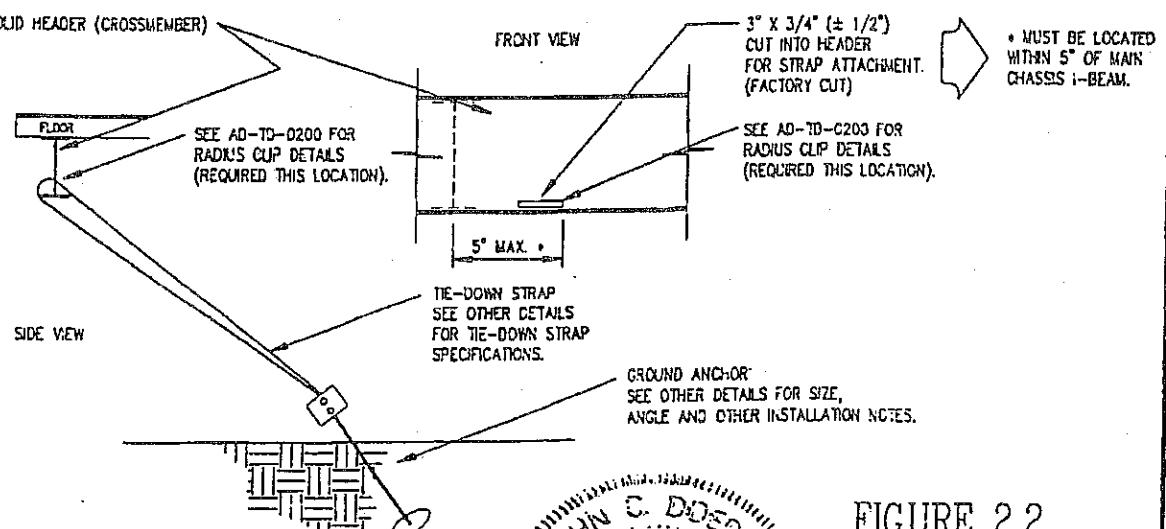


FIGURE 2.2

NOTES:

1. SEE AD-TD-0010 FOR SPACING TABLES.
2. SEE AD-TD-0010 FOR QUANTITY OF LONGITUDINAL TIE-DOWN STRAPS REQUIRED.
3. SEE OTHER DETAILS FOR BLOCKING (PIER) QUANTITY AND OTHER REQUIREMENTS.
4. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.

JOHN C. DOEDD  
REGISTERED

ENDER APPROVAL:	ENE87-03571	D.A.P. APPROVAL:
STATE OF FLORIDA		
PROFESSIONAL		
6/21/95		

ANCHOR BRACKET AND TIE-DOWN  
DEVICES ARE CERTIFIED BY OTHERS



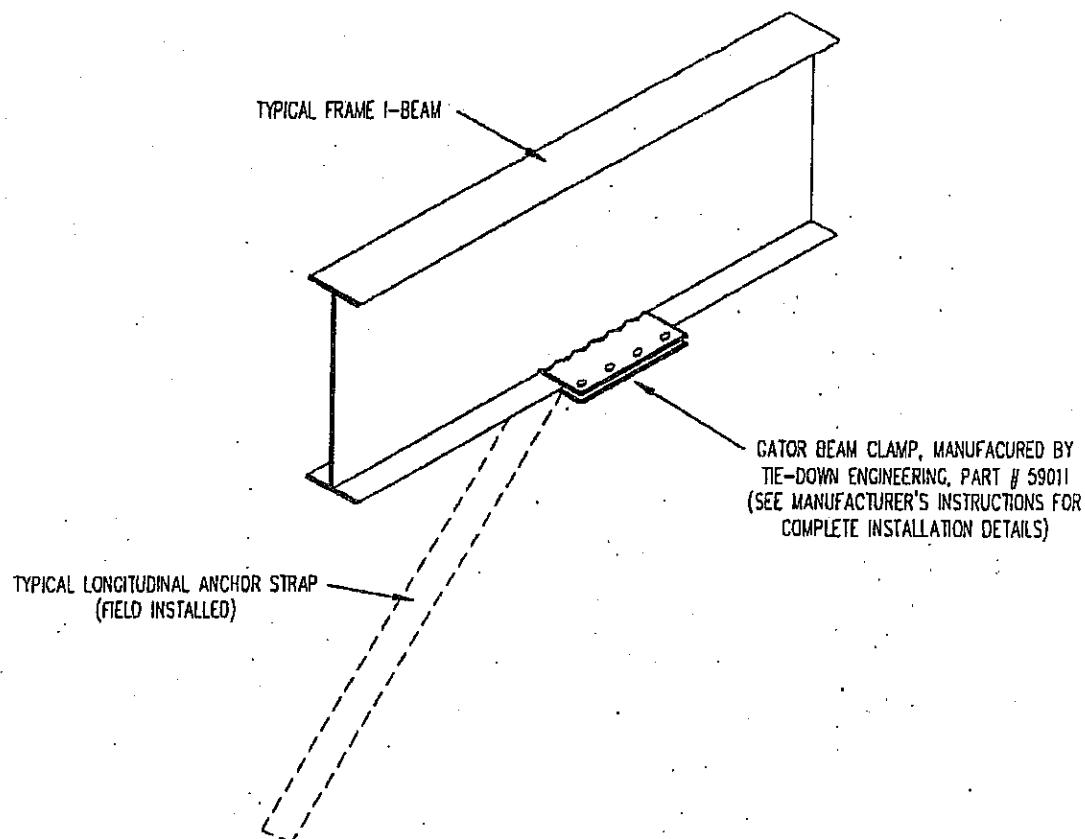
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DRAWN BY:	C.L.Y.	DATE:	6-13-95	REV. LETTER:	
DRAWING TITLE:	FIGURES 2.1 & 2.2				
DRAWING NUMBER:	AD-TD-0015				

## LONGITUDINAL STRAP ATTACHMENT



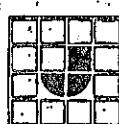
GATOR BEAM CLAMP, MANUFACTURED BY  
TIE-DOWN ENGINEERING, PART # 59011  
(SEE MANUFACTURER'S INSTRUCTIONS FOR  
COMPLETE INSTALLATION DETAILS)

### NOTES:

1. SEE OTHER DETAILS FOR STRAP PROTECTION AT ALL SHARP CORNERS
2. ALL STRAPS TO BE TYPE 1, FINISH B, GRADE 1 STEEL STRAPPING, 1 1/4" WIDE AND 0.035 INCHES IN THICKNESS, CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER OR ARCHITECT AS CONFORMING WITH ASTM STANDARD SPECIFICATION D 3953-91, STANDARD SPECIFICATION FOR STRAPPING, FLAT STEEL, AND SEALS.

DAPIA APPROVAL

APPROVED BY



JACOBSEN HOMES

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### NOTICE:

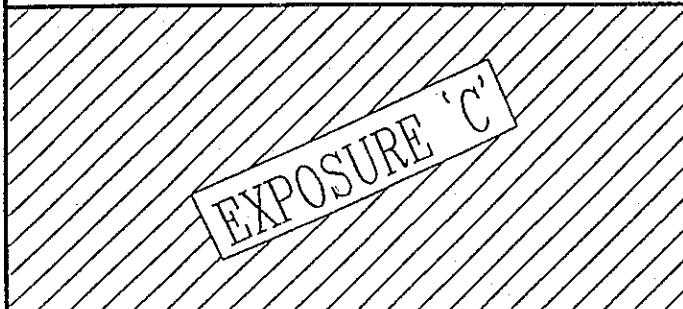
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DRAWN BY:	M.T.	DATE:	5-12-01	REV. LETTER:
DRAWING TITLE:	LONGITUDINAL STRAP ATTACHMENT			
DRAWING NUMBER:	AD-TD-0016			

# ADDENDUM

## OFFSET UNIT TIE-DOWN SPACING TABLES ZONE II & III/EXP. C & D

*SEE FIGURES  
3.0, 3.1 & 3.2*

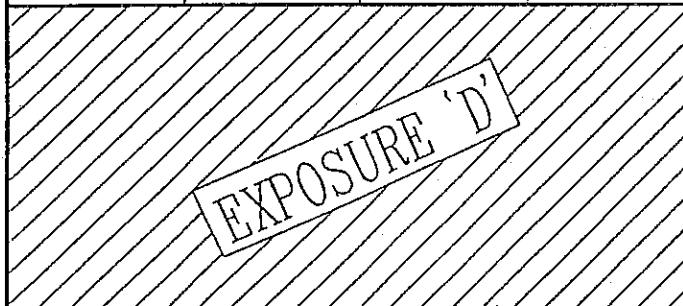


**LONGITUDINAL TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. Ø	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. Ø
10'-0"	2	44°	2	56°
12'-0"	2	57°	3	42°
13'-4"	3	38°	3	50°

**VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II		WIND ZONE III	
		SPACING	DBL HEAD LOAD	ANCHOR ANGLE	SPACING
10'-0"	12"	4'-0"	3150#	40°-50°	4'-0"
12'-0"	12"	4'-0"	3000#	40°-50°	4'-0"
13'-4"	12"	5'-3"	3150#	40°-50°	4'-0"



**LONGITUDINAL TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. Ø	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. Ø
10'-0"	2	64°	3	46°
12'-0"	3	50°	3	68°
13'-4"	3	58°	4	48°

**VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II		WIND ZONE III	
		SPACING	DBL HEAD LOAD	ANCHOR ANGLE	SPACING
10'-0"	12"	4'-0"	3150#	40°-50°	2'-8"
12'-0"	12"	4'-0"	3100#	40°-50°	2'-8"
13'-4"	12"	4'-0"	3065#	40°-50°	2'-8"

NOTES:

1. OFFSET SECTION WITH THE MARRIAGE LINE WALL EXTENDING BEYOND THE ENDWALL OF THE ADJACENT SECTION MUST BE TIED DOWN AT THE MARRIAGE LINE IN ACCORDANCE WITH THE TABLES ABOVE. THE SIDEWALL SIDE AND THE ADJACENT SECTION(S) ARE TO BE TIED DOWN IN ACCORDANCE WITH THE NORMAL SPACING TABLES (AD-TD-0010).
2. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.
3. SEE AD-TD-0021 FOR MAXIMUM PIER HEIGHT REQUIRED FOR THE LOADS TABULATED ABOVE.

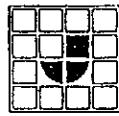
PROFESSIONAL ENGINEER
REGISTERED
INDIA
ENR
9/4/96
R.R.
DATE
REV. LETTER
B

DRAWING TITLE:	R.R.	DATE:
OFFSET SPACING TABLES		8-27-96
DRAWING NUMBER:		AD-TD-0020

F
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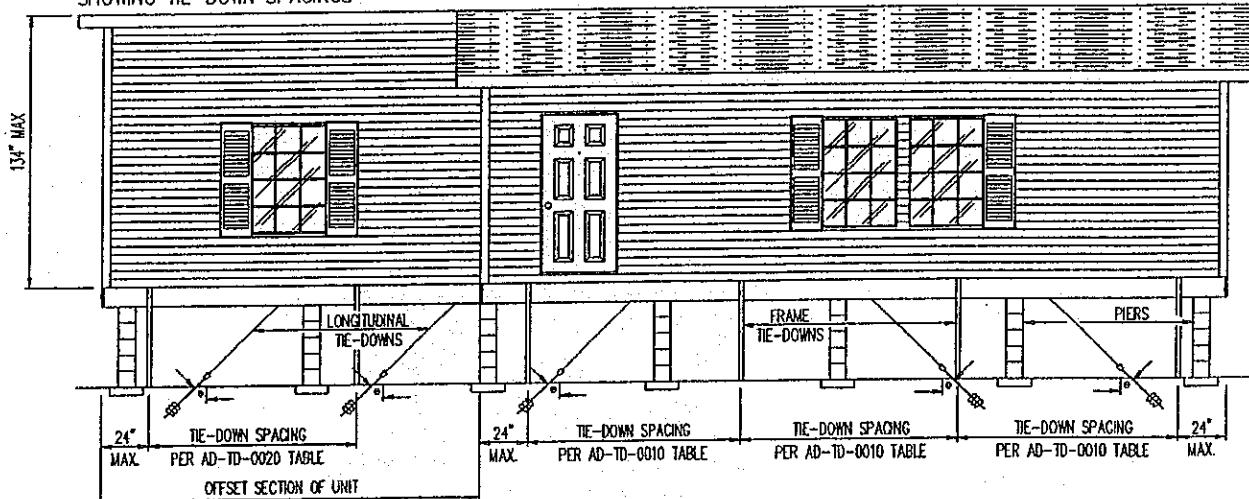
JACOBSEN HOMES  
P.O. BOX 368  
SAFETY HARBOR, FLORIDA 34695  
PHONE (813) 726-1138

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# ADDENDUM

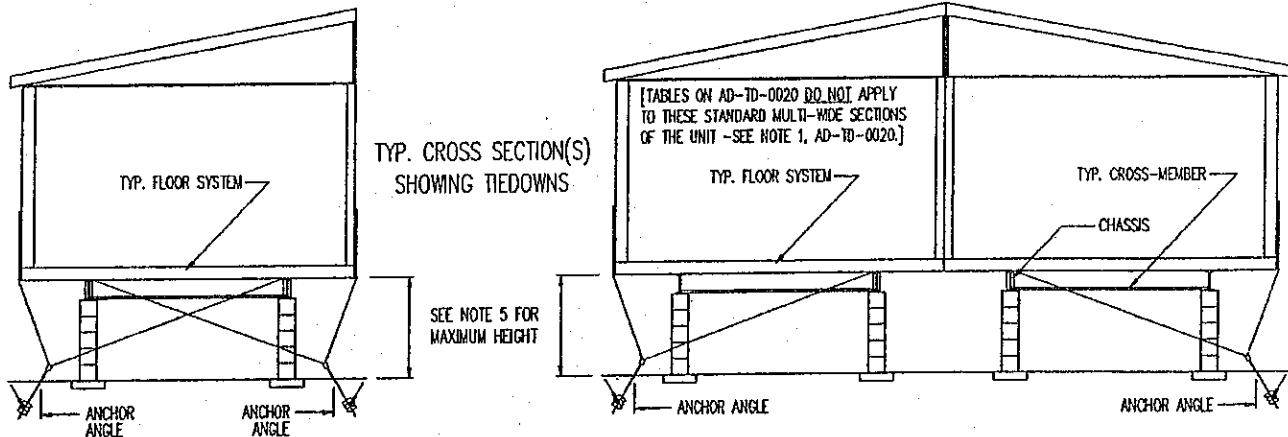
## OFFSET UNIT TIE-DOWN SYSTEM

TYPICAL SIDE ELEVATION (W/ OFFSET SECTION)  
SHOWING TIE-DOWN SPACINGS



**FIGURE 3.0**

SEE FIGURE 4.0 FOR ALTERNATE TIE-DOWN METHOD

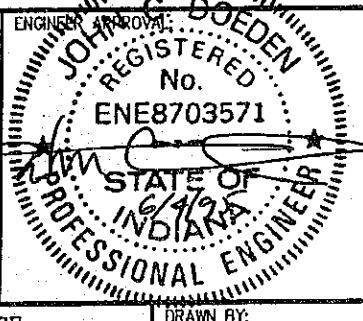


**FIGURE 3.1**

SEE FIGURE 6.0 FOR ALTERNATE TIE-DOWN METHOD

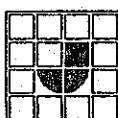
**NOTES:**

1. SEE AD-TD-0020 FOR SPACING TABLES (OFFSET SECTION ONLY).
2. SEE AD-TD-0020 FOR QUANTITY OF LONGITUDINAL TIE-DOWN STRAPS REQUIRED. (OFFSET SECTION ONLY)
3. SEE OTHER DETAILS FOR BLOCKING (PIER) QUANTITY AND OTHER REQUIREMENTS.
4. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.
5. ZONE 2/EXPOSURE 'C': 44" MAXIMUM HEIGHT  
ZONE 2/EXPOSURE 'D': 24" MAXIMUM HEIGHT (32" @ 24" WIDE MIN.)  
ZONE 3/EXPOSURE 'C': 32" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'D': 32" MAXIMUM HEIGHT (44" @ 24" WIDE MIN.)



SEE FIGURE 6.0 FOR ALTERNATE TIE-DOWN METHOD

DAPIA APPROVAL:



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DRAWN BY: C.L.Y.	DATE: 5-11-95	REV. LETTER: A
DRAWING TITLE: FIG. 3.0, 3.1 & 3.2		
DRAWING NUMBER: AD-TD-0021		

# ADDENDUM

## ALTERNATE OFFSET UNIT TIE-DOWN SYSTEM

TYPICAL SIDE ELEVATION (W/ OFFSET SECTION)  
SHOWING TIE-DOWN SPACINGS

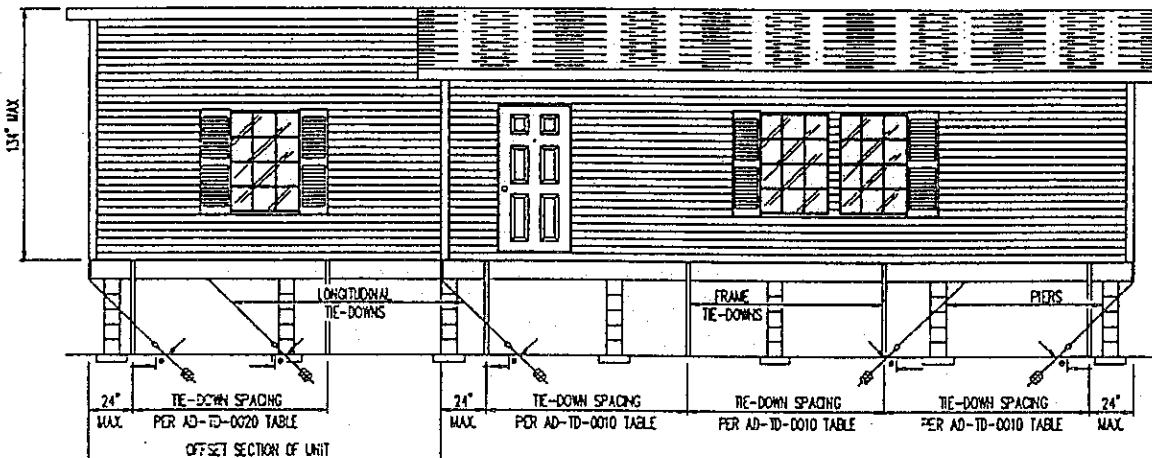
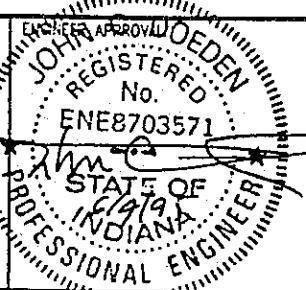


FIGURE 4.0

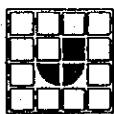
SEE FIGURES 3.1 AND 3.2 FOR TYP. CROSS-SECTION

NOTES:

1. SEE AD-TD-0020 FOR SPACING TABLES (OFFSET SECTION ONLY).
2. SEE AD-TD-0020 FOR QUANTITY OF LONGITUDINAL TIE-DOWN STRAPS REQUIRED. (OFFSET SECTION ONLY)
3. SEE OTHER DETAILS FOR BLOCKING (PIER) QUANTITY AND OTHER REQUIREMENTS.
4. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.



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DRAWN BY:

C.L.Y.

DATE: 5-11-95

REV. LETTER:

A

DRAWING TITLE:

FIG. 4.0

DRAWING NUMBER:

AD-TD-0022

4000# ANCHORS REQ'D

# ADDENDUM

SEE FIGURE  
5.0

## ALTERNATE UNIT TIE-DOWN SPACING TABLES ZONE II & III/EXP. C & D

EXPOSURE 'C'

### LONGITUDINAL TIE-DOWN SPACING TABLE

MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. θ	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. θ
20'-0"	2	36°	2	45°
24'-0"	2	46°	2	60°
25'-4"	2	50°	2	67°
26'-8"	2	55°	3	30°

### VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE

MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II			WIND ZONE III		
		SPACING	DBL HEAD LOAD	ANCHOR ANGLE	SPACING	DBL HEAD LOAD	ANCHOR ANGLE
20'-0"	12"	4'-0"	3670#	20°	4'-0"	3900#	20°
24'-0"	12"	4'-0"	3700#	20°	4'-0"	3950#	20°
25'-4"	12"	6'-8"	4000#	15°	4'-0"	3950#	22°
26'-8"	12"	6'-8"	3950#	28°	4'-0"	3950#	22°

### LONGITUDINAL TIE-DOWN SPACING TABLE

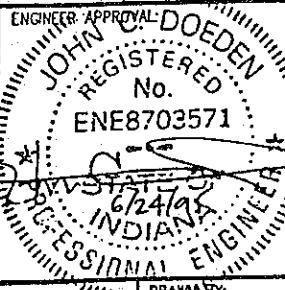
MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. θ	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. θ
20'-0"	2	50°	N/A	N/A
24'-0"	2	70°	N/A	N/A
25'-4"	3	42°	N/A	N/A
26'-8"	N/A	N/A	N/A	N/A

### VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE

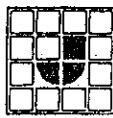
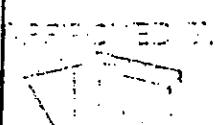
MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II			WIND ZONE III		
		SPACING	DBL HEAD LOAD	ANCHOR ANGLE	SPACING	DBL HEAD LOAD	ANCHOR ANGLE
20'-0"	12"	4'-0"	4000#	20°	N/A	N/A	N/A
24'-0"	12"	4'-0"	4000#	24°	N/A	N/A	N/A
25'-4"	12"	4'-0"	4000#	26°	N/A	N/A	N/A
26'-8"	12"	4'-0"	4000#	27°	N/A	N/A	N/A

#### NOTES:

- SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.
- SEE AD-TD-0031 FOR MAXIMUM PIER HEIGHT REQUIRED FOR THE LOADS TABULATED ABOVE.
- 20' WDES -82" MAXIMUM I-BEAM SPACING ONLY.
- 4" MAXIMUM INSET TO ANCHOR HEADS (SEE AD-TD-0031).



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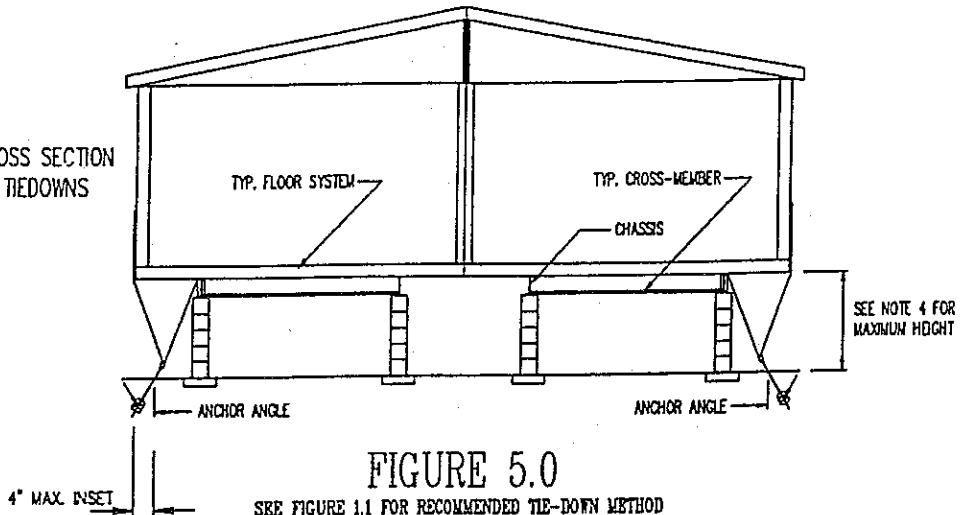
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PREPARED BY: C.L.Y.	DATE: 6-13-95	REV. LETTER:
DRAWING TITLE: ALT. SPACING TABLES		
DRAWING NUMBER: AD-TD-0030		

4000# ANCHORS REQ'D

ADDENDUM  
ALTERNATE TIE-DOWN SYSTEM(S)

TYPICAL CROSS SECTION  
SHOWING TIEDOWNS



IMPORTANT NOTICE:

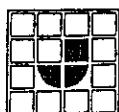
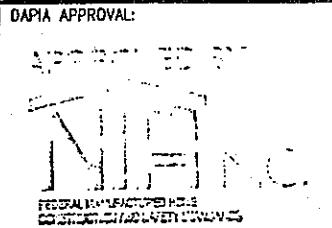
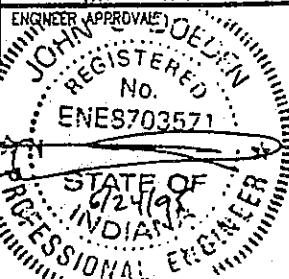
THIS ALTERNATE APPLICATION REQUIRES 4,000 POUND ANCHORS

WHEN USING THIS TIE-DOWN CONFIGURATION A STYLE CREST PRODUCTS MODEL 57SH (TYPE 2) AUGER ANCHOR WITH A DESIGN LOAD (WORKING LOAD) RATING OF 4,000 POUNDS AND AN ULTIMATE LOAD RATING OF 6,000 POUNDS MUST BE USED. AN EQUIVILANT ANCHOR MEETING THE ABOVE SPECIFICATIONS MADE BY ANOTHER MANUFACTURER MAY BE USED IN LIEU OF THE STYLE CREST PRODUCTS ANCHOR.

NOTES:

1. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.
2. SEE OTHER DETAILS FOR BLOCKING (PIER) QUANTITY AND OTHER REQUIREMENTS.
3. FOR FIGURE 5.0 SEE ALTERNATE TIE-DOWN SPACING TABLES (AD-TD-0030).
4. ZONE 2/EXPOSURE 'C': 32" MAXIMUM HEIGHT  
ZONE 2/EXPOSURE 'D': 27" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'C': 30" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'D': THIS APPLICATION IS NOT APPLICABLE.

THE ALTERNATE TIE-DOWN METHODS SHOWN ABOVE ARE ACCEPTABLE FOR USE IN ALL WIND ZONES AND IN BOTH EXPOSURE 'C' AND EXPOSURE 'D', HOWEVER, BY INSTALLING THE FRAME TIE-DOWN STRAPS AT THE 'OUTBOARD' I-BEAM THE MAX. HEIGHT OFF THE GROUND IS GREATLY REDUCED. SEE OTHER DETAILS FOR THE RECOMMENDED METHODS FOR INSTALLING FRAME TIE-DOWNS.



JACOBSEN HOMES

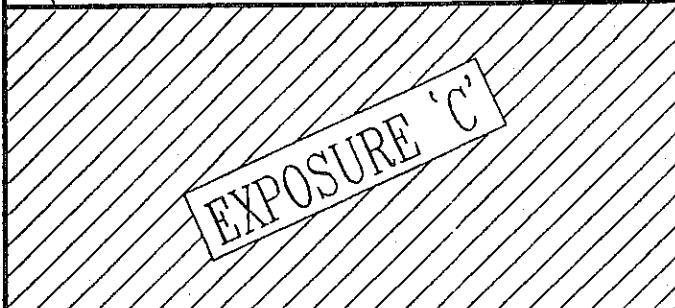
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DRAWING TITLE:	FIG. 5.0			
DRAWING NUMBER:	AD-TD-0031			

THIS ALT. APPLICATION IS NOT APPLICABLE  
FOR 120° FLOOR WIDTHS - SEE NORMAL  
TIE-DOWN CONFIGURATIONS.  
**4000# ANCHORS REQ'D**

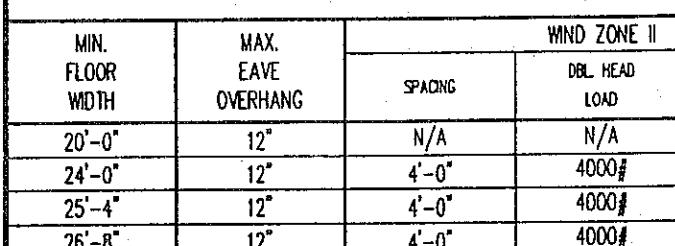
**ADDENDUM**  
ALT. OFFSET UNIT TIE-DOWN SPACING TABLES SEE FIGURES  
ZONE II & III/EXP. C & D 6.0 & 6.1



LONGITUDINAL TIE-DOWN SPACING TABLE

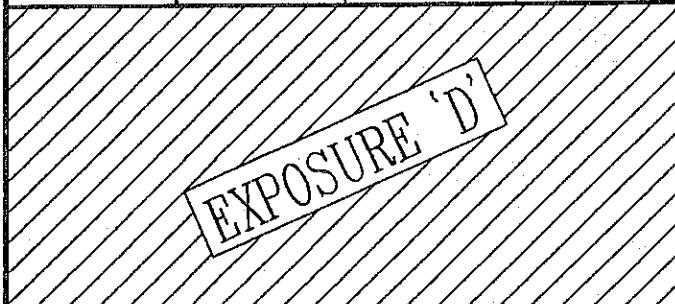
MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. Ø	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. Ø
20'-0"	N/A	N/A	N/A	N/A
24'-0"	2	42°	2	53°
25'-4"	2	45°	2	58°
26'-8"	2	48°	3	37°

VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE



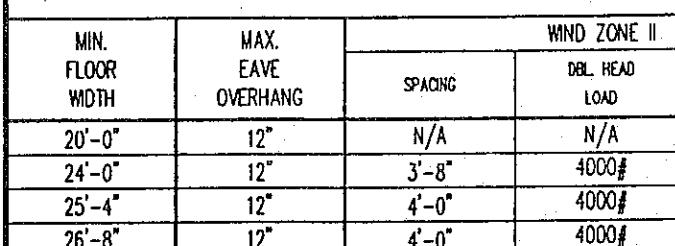
MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	SPACING	DBL. HEAD LOAD	SPACING	DBL. HEAD LOAD
20'-0"	12"	N/A	N/A	N/A
24'-0"	12"	4'-0"	4000#	20°-30°
25'-4"	12"	4'-0"	4000#	20°-30°
26'-8"	12"	4'-0"	4000#	20°-30°

LONGITUDINAL TIE-DOWN SPACING TABLE



MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. Ø	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. Ø
20'-0"	N/A	N/A	N/A	N/A
24'-0"	2	60°	3	45°
25'-4"	2	66°	3	48°
26'-8"	3	41°	3	52°

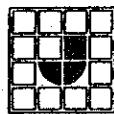
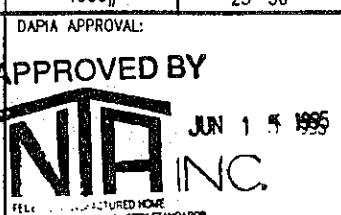
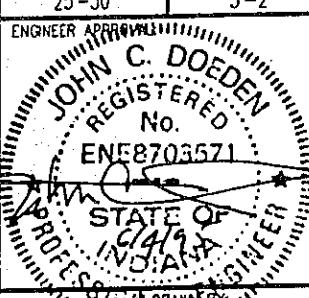
VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE



MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	SPACING	DBL. HEAD LOAD	SPACING	DBL. HEAD LOAD
20'-0"	12"	N/A	N/A	N/A
24'-0"	12"	3'-8"	4000#	20°-30°
25'-4"	12"	4'-0"	4000#	25°-30°
26'-8"	12"	4'-0"	4000#	25°-30°

NOTES:

1. OFFSET SECTION WITH THE MARRIAGE LINE WALL EXTENDING BEYOND THE ENDWALL OF THE ADJACENT SECTION MUST BE TIED DOWN AT THE MARRIAGE LINE IN ACCORDANCE WITH THE TABLES ABOVE. THE SIDEWALL SIDE AND THE ADJACENT SECTION(S) ARE TO BE TIED DOWN IN ACCORDANCE WITH THE ALT. SPACING TABLES (AD-TD-0030).
2. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.
3. SEE AD-TD-0033 FOR MAXIMUM PIER HEIGHT REQUIRED FOR THE LOADS TABULATED ABOVE.



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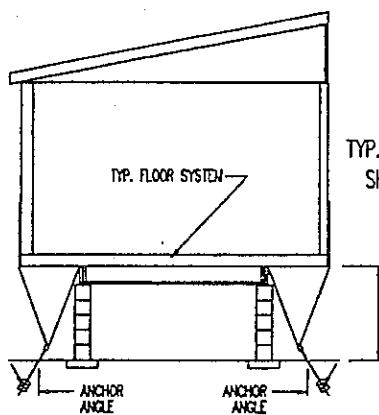
DRAWING BY: C.L.Y. DATE: 5-30-95  
DRAWING TITLE: ALT. SPACING TABLES  
DRAWING NUMBER: AD-TD-0032

REV. LETTER:

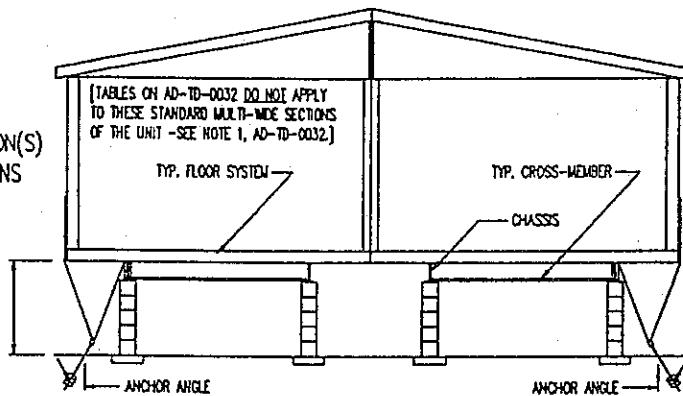
THIS ALT. APPLICATION IS NOT APPLICABLE  
FOR 120° FLOOR WIDTHS - SEE NORMAL  
TIE-DOWN CONFIGURATIONS  
**4000# ANCHORS REQ'D**

## ADDENDUM

### ALTERNATE TIE-DOWN SYSTEM



TYP. CROSS SECTION(S)  
SHOWING TIEDOWNS



**FIGURE 6.0**

SEE FIGURE 3.1 FOR RECOMMENDED TIE-DOWN METHOD

**FIGURE 6.1**

SEE FIGURE 3.2 FOR RECOMMENDED TIE-DOWN METHOD

### IMPORTANT NOTICE:

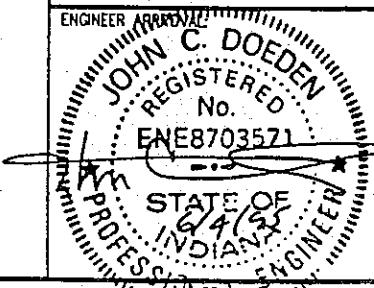
#### THIS ALTERNATE APPLICATION REQUIRES 4,000 POUND ANCHORS

WHEN USING THIS TIE-DOWN CONFIGURATION A STYLE CREST PRODUCTS MODEL 57SH (TYPE 2), AUGER ANCHOR WITH A DESIGN LOAD (WORKING LOAD) RATING OF 4,000 POUNDS AND AN ULTIMATE LOAD RATING OF 6,000 POUNDS MUST BE USED. AN EQUIVANT ANCHOR MEETING THE ABOVE SPECIFICATIONS MADE BY ANOTHER MANUFACTURER MAY BE USED IN LIEU OF THE STYLE CREST PRODUCTS ANCHOR.

#### NOTES:

1. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.
2. SEE OTHER DETAILS FOR BLOCKING (PIER) QUANTITY AND OTHER REQUIREMENTS.
3. FOR FIGURE 6.0 SEE OFFSET UNIT TIE-DOWN SPACING TABLES (AD-TD-0020).
4. FOR FIGURE 6.1 SEE NORMAL TIE-DOWN SPACING TABLES (AD-TD-0010). (ALSO SEE AD-TD-0020 AND AD-TD-0021)
5. ZONE 2/EXPOSURE 'C': 32" MAXIMUM HEIGHT  
ZONE 2/EXPOSURE 'D': 24" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'C': 24" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'D': 28" MAXIMUM HEIGHT

THE ALTERNATE TIE-DOWN METHODS SHOWN ABOVE ARE ACCEPTABLE FOR USE IN ALL WIND ZONES AND IN BOTH EXPOSURE 'C' AND EXPOSURE 'D'; HOWEVER, BY INSTALLING THE FRAME TIE-DOWN STRAPS AT THE 'OUTBOARD' I-BEAM THE MAX. HEIGHT OFF THE GROUND IS GREATLY REDUCED. SEE OTHER DETAILS FOR THE RECOMMENDED METHODS FOR INSTALLING FRAME TIE-DOWNS.

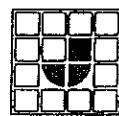


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APPROVED BY



JUN 15 1995



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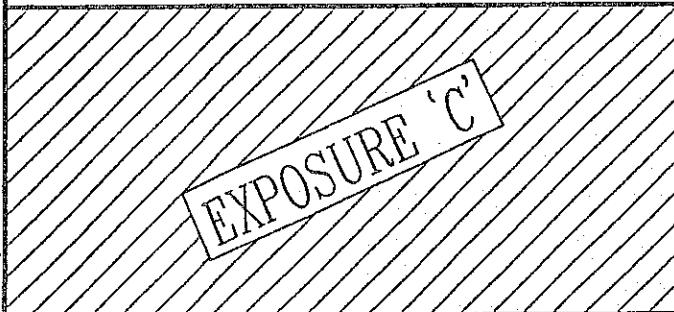
DRAWN BY:	C.L.Y.	DATE:	5-30-95
DRAWING TITLE:	FIG. 6.0 & 6.1		
DRAWING NUMBER:	AD-TD-0033		

4000# ANCHORS REQ'D

# ADDENDUM

## ALTERNATE TIE-DOWN SPACING TABLES ZONE II & III/EXP. C & D

SEE FIGURE  
7.0



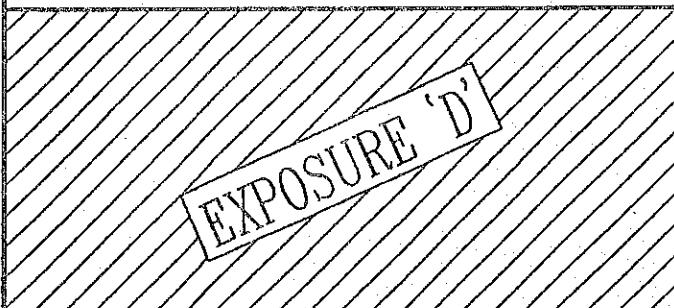
### LONGITUDINAL TIE-DOWN SPACING TABLE

MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. 0	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. 0
12'-0"	2	43°	2	55°
13'-4"	2	50°	2	68°

### VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE

MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II			WIND ZONE III		
		SPACING	DBL. HEAD LOAD	ANCHOR ANGLE	SPACING	DBL. HEAD LOAD	ANCHOR ANGLE
12'-0"	6"	4'-0"	3750#	20°	4'-0"	3900#	22°
13'-4"	6"	5'-4"	3850#	25°	5'-4"	3960#	30°

THIS ALTERNATE APPLICATION REQUIRES 4,000 POUND ANCHORS



### LONGITUDINAL TIE-DOWN SPACING TABLE

MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. 0	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. 0
12'-0"	2	64°	3	47°
12'-0"	3	37°	4	33°
13'-4"	3	42°	3	55°
13'-4"	4	30°	4	38°

### VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE

MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II			WIND ZONE III		
		SPACING	DBL. HEAD LOAD	ANCHOR ANGLE	SPACING	DBL. HEAD LOAD	ANCHOR ANGLE
12'-0"	6"	4'-0"	3950#	25°	2'-8"	3930#	20°
13'-4"	6"	4'-0"	3960#	25°	2'-8"	4000#	30°

THIS ALTERNATE APPLICATION REQUIRES 4,000 POUND ANCHORS

#### NOTES:

- SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.
- SEE AD-TD-0036 FOR MAXIMUM PIER HEIGHTS REQUIRED FOR THE LOADS TABULATED ABOVE.
- MAX. EAVE OVERHANG REFERS TO OVERHANG AT SIDEWALL NOT FRONT OR REAR.
- ABOVE TABLES APPLY TO 160" FLOOR OR 144" FLOOR WIDTHS WITH 95 1/2" 1-BEAM SPACING, 96" MAXIMUM SIDEWALL HEIGHT AND 6" MAXIMUM SIDE OVERHANG (6" OVERHANG MAX. EACH SIDE OF UNIT).



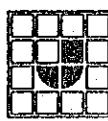
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FEDERAL MANUFACTURED HOME  
CONSTRUCTION AND SAFETY STANDARDS



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DRAWING BY: C.L.Y. DATE: 5-30-95  
DRAWING TITLE: ALT. SPACING TABLES  
DRAWING NUMBER: AD-TD-0040

REV. LETTER:

A

4000# ANCHORS REQ'D

## ADDENDUM

### ALTERNATE TIE-DOWN SYSTEM

TYPICAL CROSS SECTION  
SHOWING TIEDOWNS

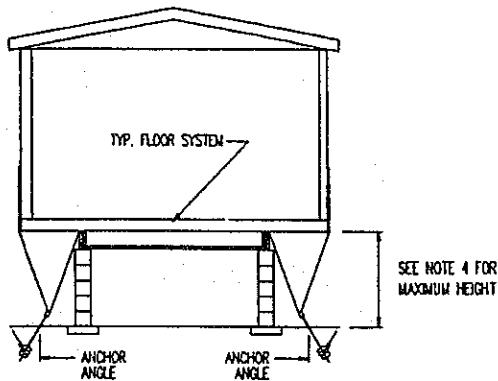


FIGURE 7.0

SEE FIGURE 1.3 FOR RECOMMENDED TIE-DOWN METHOD

### IMPORTANT NOTICE:

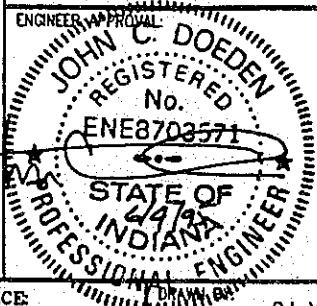
#### THIS ALTERNATE APPLICATION REQUIRES 4,000 POUND ANCHORS

WHEN USING THIS TIE-DOWN CONFIGURATION A STYLE CREST PRODUCTS MODEL 575H (TYPE 2), AUGER ANCHOR WITH A DESIGN LOAD (WORKING LOAD) RATING OF 4,000 POUNDS AND AN ULTIMATE LOAD RATING OF 6,000 POUNDS MUST BE USED. AN EQUIVANT ANCHOR MEETING THE ABOVE SPECIFICATIONS MADE BY ANOTHER MANUFACTURER MAY BE USED IN LIEU OF THE STYLE CREST PRODUCTS ANCHOR.

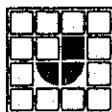
#### NOTES:

1. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.
2. SEE OTHER DETAILS FOR BLOCKING (PIER) QUANTITY AND OTHER REQUIREMENTS.
3. FOR FIGURE 7.0 SEE ALTERNATE TIE-DOWN SPACING TABLES (AD-TD-0035).
4. ZONE 2/EXPOSURE 'C': 38" MAXIMUM HEIGHT  
ZONE 2/EXPOSURE 'D': 28" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'C': 28" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'D': 28" MAXIMUM HEIGHT
5. SEE AD-TD-0035 FOR ADDITIONAL NOTES.

THE ALTERNATE TIE-DOWN METHODS SHOWN ABOVE ARE ACCEPTABLE FOR USE IN ALL WIND ZONES AND IN BOTH EXPOSURE 'C' AND EXPOSURE 'D', HOWEVER, BY INSTALLING THE FRAME TIE-DOWN STRAPS AT THE 'OUTBOARD' I-BEAM THE MAX. HEIGHT OFF THE GROUND IS GREATLY REDUCED. SEE OTHER DETAILS FOR THE RECOMMENDED METHODS FOR INSTALLING FRAME TIE-DOWNS.



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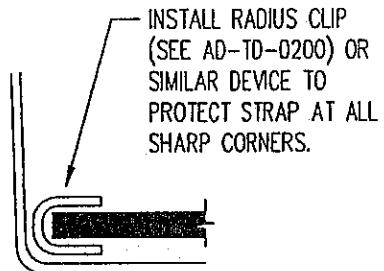
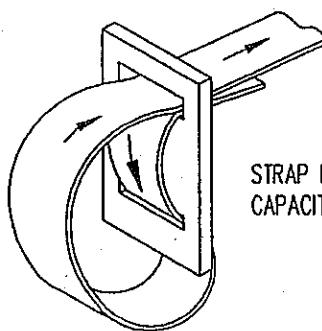
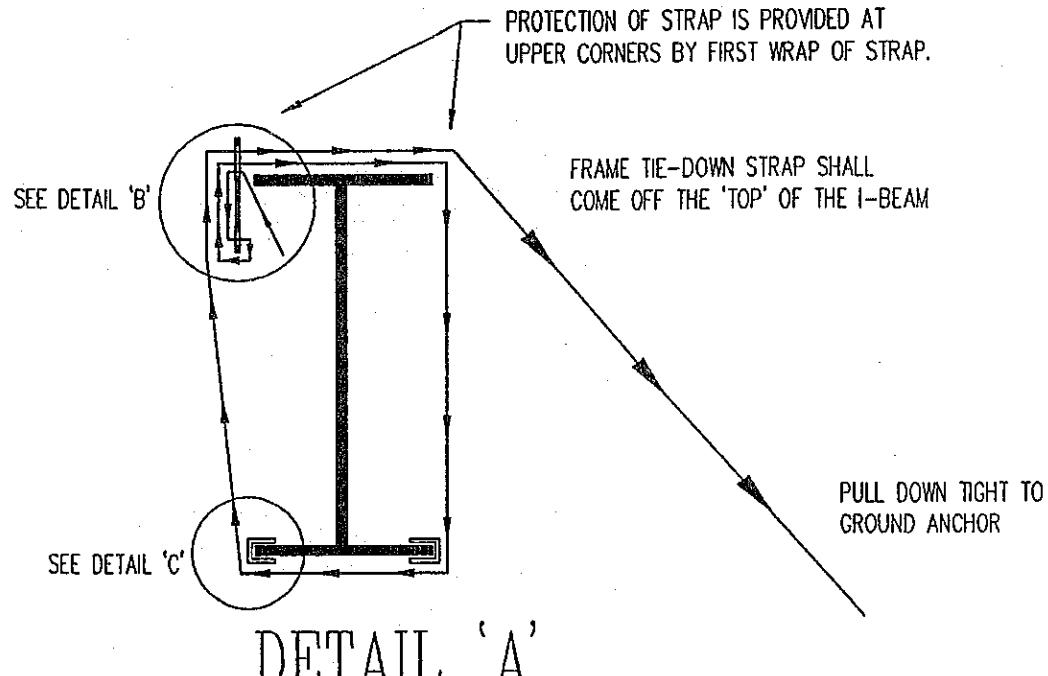
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DRAWING TITLE:			FIG. 7.0	
DRAWING NUMBER:			AD-TD-0041	A

# ADDENDUM

## MISC. TIE-DOWN



**DETAIL 'B'**

**DETAIL 'C'**

THIS TYPE OF PROTECTION MAY BE USED FOR  
PROTECTION AT LONGITUDINAL TIE CONNECTIONS ALSO.

**NOTES:**

1. SHOWN ABOVE IS ONLY ONE METHOD OF STRAP ATTACHMENT AT BEAM—OTHER METHODS THAT ARE CERTIFIED TO MEET THE REQUIRED DESIGN LOAD OF 3150# MAY BE USED.
2. PROTECTION SHALL BE PROVIDED AT SHARP CORNERS WHERE THE ANCHORING SYSTEM REQUIRES THE USE OF EXTERNAL STRAPS OR CABLES (SEE RADIUS CLIP).



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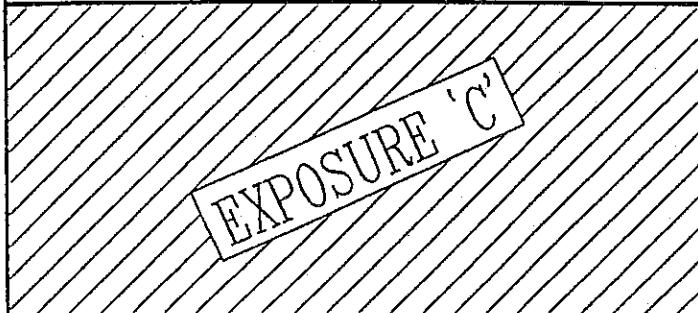
DRAWN BY:	M.T.	DATE:	11-18-98
DRAWING TITLE:	MISC. TIE-DOWN		
DRAWING NUMBER:	AD-TD-0050		

B

# ADDENDUM

## NORMAL TIE-DOWN SPACING TABLES ZONE II & III/EXP. C & D

SEE FIGURES  
10.0 & 10.1

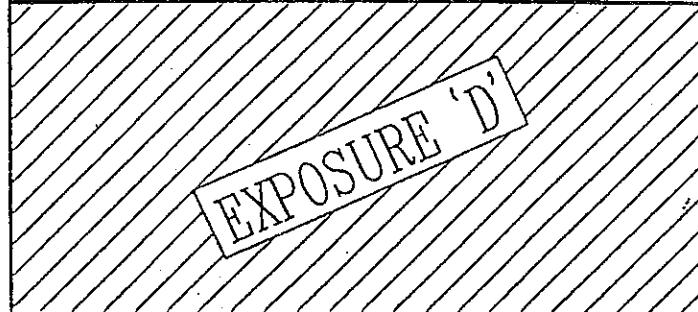


**LONGITUDINAL TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. θ	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. θ
30'-8"	3	40	3	25

**VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II		WIND ZONE III	
		SPACING	DBL HEAD LOAD	ANCHOR ANGLE	SPACING
30'-8"	6"	6'-9"	3150#	41-46	5'-5"



**LONGITUDINAL TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. θ	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. θ
30'-8"	4	42	4	25

**VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE**

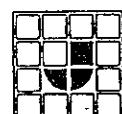
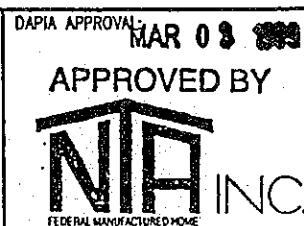
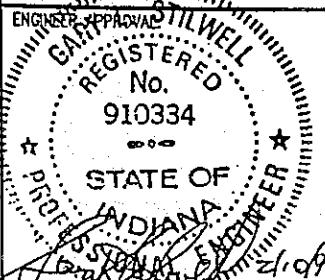
MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II		WIND ZONE III	
		SPACING	DBL HEAD LOAD	ANCHOR ANGLE	SPACING
30'-8"	6"	4'-6"	3150#	46-50	4'-0"

WINDZONE III  
(110 MPH)  
20 PSF ROOF  
10 PSF D.L.

REF. CALCS. CVA - 94.01- 94.16

**NOTES:**

1. SEE FULL ADDENDUM FOR ADDITIONAL REQUIREMENTS.
2. SEE AD-TD-0071 FOR MAXIMUM PIER HEIGHTS REQUIRED FOR THE LOADS TABULATED ABOVE.



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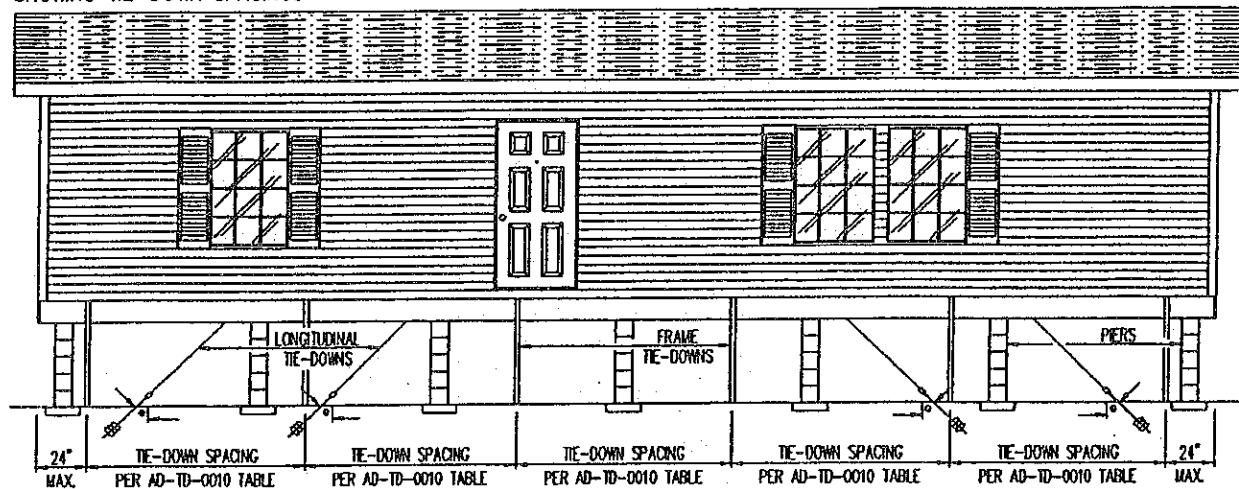
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DRAWING TITLE: NORM. SPACING TABLES		
DRAWING NUMBER: AD-TD-0070		

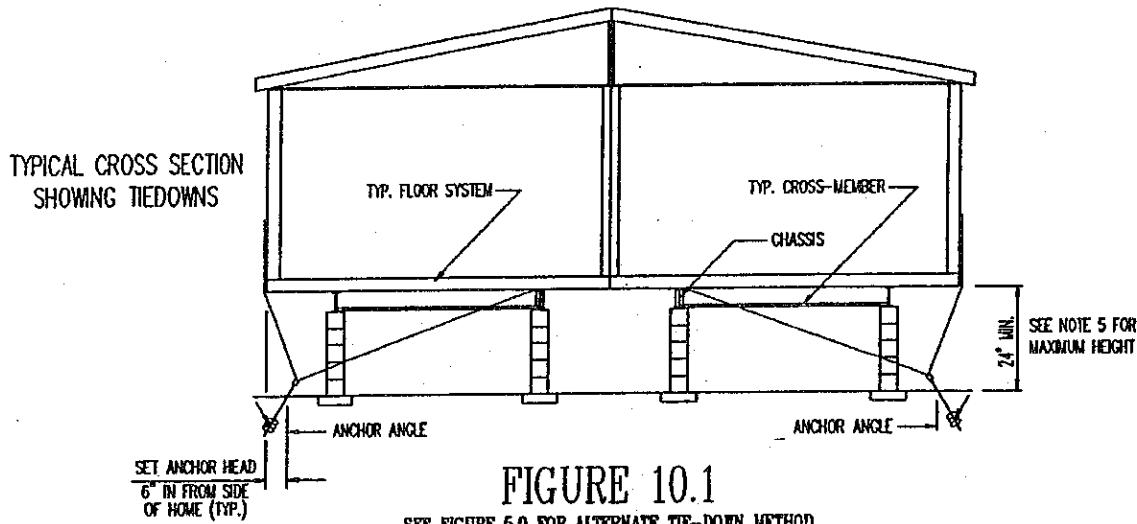
# ADDENDUM

## TIE-DOWN SYSTEM

TYPICAL SIDE ELEVATION  
SHOWING TIE-DOWN SPACINGS



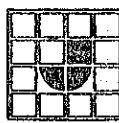
**FIGURE 10.0**  
SEE FIGURE 2.0 FOR ALTERNATE TIE-DOWN METHOD



**FIGURE 10.1**  
SEE FIGURE 5.0 FOR ALTERNATE TIE-DOWN METHOD

**NOTES:**

1. SEE AD-TD-0070 FOR SPACING TABLES.
2. SEE AD-TD-0070 FOR QUANTITY OF LONGITUDINAL TIE-DOWN STRAPS REQUIRED.
3. SEE OTHER DETAILS FOR BLOCKING (PIER) QUANTITY AND OTHER REQUIREMENTS.
4. SEE FULL ADDENDUM FOR ADDITIONAL REQUIREMENTS.
5. ZONE 2/EXPOSURE 'C': 56" MAXIMUM HEIGHT  
ZONE 2/EXPOSURE 'D': 40" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'C': 56" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'D': 40" MAXIMUM HEIGHT



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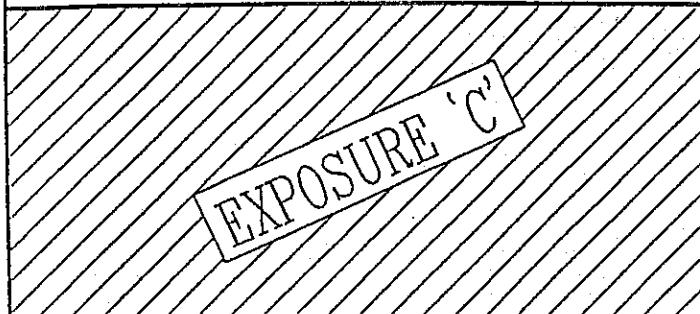
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DRAWING TITLE: FIGURES 10.0 AND 10.1		
DRAWING NUMBER: AD-TD-0071		

# ADDENDUM

NORMAL TIE-DOWN SPACING TABLES  
ZONE II & III/EXP. C & D

SEE FIGURES  
10.2 & 10.3

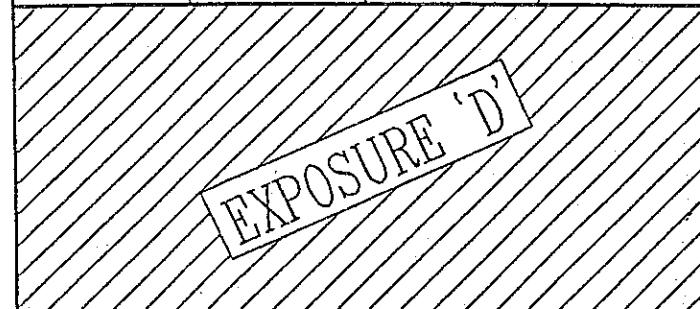


**LONGITUDINAL TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. Ø	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. Ø
15'-4"	3	45	3	35

**VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II		WIND ZONE III	
		SPACING	DBL HEAD LOAD	ANCHOR ANGLE	SPACING
15'-4"	6" EACH SIDE	6'-10"	3150#	40-46	5'-6"



**LONGITUDINAL TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. Ø	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. Ø
15'-4"	3	30	4	35

**VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE**

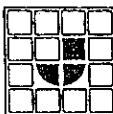
MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II		WIND ZONE III	
		SPACING	DBL HEAD LOAD	ANCHOR ANGLE	SPACING
15'-4"	6" EACH SIDE	4'-6"	3150#	42-50	4'-0"

WINDZONE III  
(110 MPH)  
20 PSF ROOF  
10 PSF D.L.

REF. CALCS. CWA-92.01- 92.16

**NOTES:**

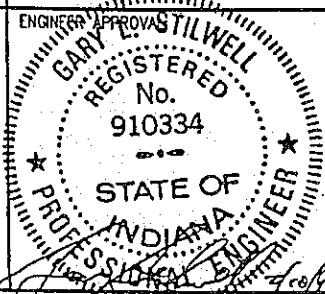
1. SEE FULL ADDENDUM FOR ADDITIONAL REQUIREMENTS.
2. SEE AD-TD-0073 FOR MAXIMUM PIER HEIGHTS REQUIRED FOR THE LOADS TABULATED ABOVE.
3. MAX. EAVE OVERHANG REFERS TO OVERHANG AT SIDEWALL NOT FRONT OR REAR.
4. ABOVE TABLES APPLY TO 184" FLOOR WIDTHS WITH 95 1/2" I-BEAM SPACING, 96" MAXIMUM SIDEWALL HEIGHT AND 6" MAXIMUM SIDE OVERHANG (6" OVERHANG MAX. EACH SIDE OF UNIT).



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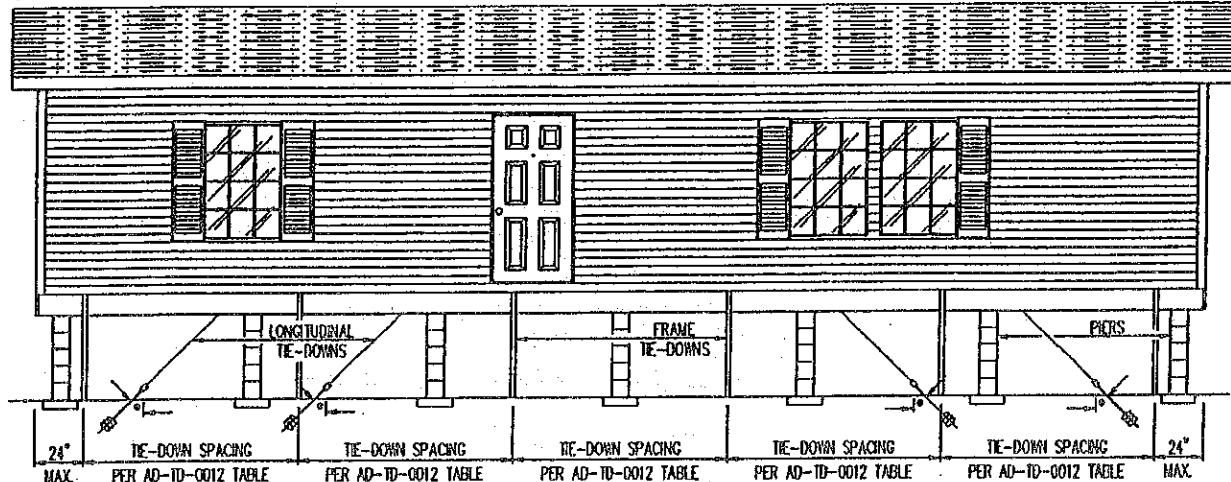
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DRAWING BY:	M.T.	DATE:	2-8-99	REV. LETTER:
DRAWING TITLE:	NORM. SPACING TABLES			
DRAWING NUMBER:	AD-TD-0072			

# ADDENDUM

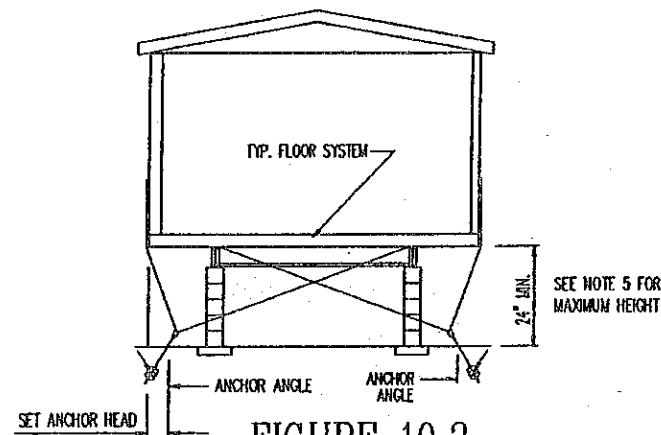
## TIE-DOWN SYSTEM

TYPICAL SIDE ELEVATION  
SHOWING TIE-DOWN SPACINGS



**FIGURE 10.2**  
SEE FIGURE 2.0 FOR ALTERNATE TIE-DOWN METHOD

TYPICAL CROSS SECTION  
SHOWING TIEDOWNS

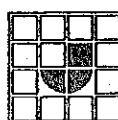


**FIGURE 10.3**  
SEE FIGURE 7.0 FOR ALTERNATE TIE-DOWN METHOD

WINDZONE III  
(110 MPH)  
20 PSF ROOF  
10 PSF D.L.

**NOTES:**

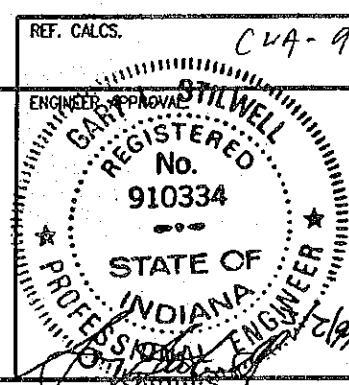
1. SEE AD-TD-0072 FOR SPACING TABLES AND NOTES.
2. SEE AD-TD-0072 FOR QUANTITY OF LONGITUDINAL TIE-DOWN STRAPS REQUIRED.
3. SEE OTHER DETAILS FOR BLOCKING (PIER) QUANTITY AND OTHER REQUIREMENTS.
4. SEE FULL ADDENDUM FOR ADDITIONAL REQUIREMENTS.
5. ZONE 2/EXPOSURE 'C': 56" MAXIMUM HEIGHT  
ZONE 2/EXPOSURE 'D': 56" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'C': 56" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'D': 56" MAXIMUM HEIGHT



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DRAWING TITLE:	FIGURES 10.2 AND 10.3			
DRAWING NUMBER:	AD-TD-0073			

# ADDENDUM

## OFFSET UNIT TIE-DOWN SPACING TABLES ZONE II & III/EXP. C & D

SEE FIGURES  
11.0, 11.1 & 11.2

EXPOSURE 'C'

### LONGITUDINAL TIE-DOWN SPACING TABLE

MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. Ø	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. Ø
12'-0"	3	47°	3	61°
13'-4"	2	54°	3	41°
15'-4"	2	54°	3	41°

### VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE

MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II			WIND ZONE III		
		SPACING	DBL. HEAD LOAD	ANCHOR ANGLE	SPACING	DBL. HEAD LOAD	ANCHOR ANGLE
12'-0"	12"	5'-0"	3150#	40°	4'-0"	3150#	39°
13'-4"	12"	5'-0"	3150#	41°	4'-0"	3000#	40°
15'-4"	12"	5'-0"	3150#	43°	4'-0"	3000#	42°

EXPOSURE 'D'

### LONGITUDINAL TIE-DOWN SPACING TABLE

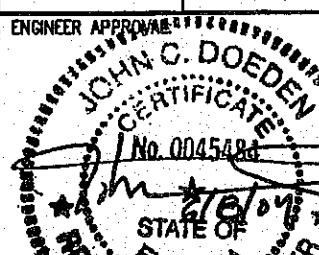
MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. Ø	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MIN. Ø
12'-0"	4	45°	4	60°
13'-4"	3	45°	3	60°
15'-4"	3	45°	3	60°

### VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE

MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II			WIND ZONE III		
		SPACING	DBL. HEAD LOAD	ANCHOR ANGLE	SPACING	DBL. HEAD LOAD	ANCHOR ANGLE
12'-0"	12"	4'-0"	3150#	40°	3'-0"	3000#	38°
13'-4"	12"	4'-0"	3065#	41°	3'-0"	3000#	39°
15'-4"	12"	4'-0"	3065#	43°	3'-0"	3000#	41°

NOTES: R66-CALCS. C-5U-16-01-16.12

1. OFFSET SECTION WITH THE MARRIAGE LINE WALL EXTENDING BEYOND THE ENDWALL OF THE ADJACENT SECTION MUST BE TIED DOWN AT THE MARRIAGE LINE IN ACCORDANCE WITH THE TABLES ABOVE. THE SIDEWALL SIDE AND THE ADJACENT SECTION(S) ARE TO BE TIED DOWN IN ACCORDANCE WITH THE NORMAL SPACING TABLES (SEE AD-TD-0010 FOR 12'-0" & 13'-4" WDES, AND AD-TD-0070 FOR 15'-4" WDES).
2. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.
3. SEE AD-TD-0081 FOR MAXIMUM PIER HEIGHT REQUIRED FOR THE LOADS TABULATED ABOVE.

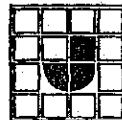


REF. CALCS. (C-30-17-01-)  
17.08

DATE APPROVAL APPROVED BY

JUN 11 2004

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CONSTRUCTION AND SAFETY STANDARDS



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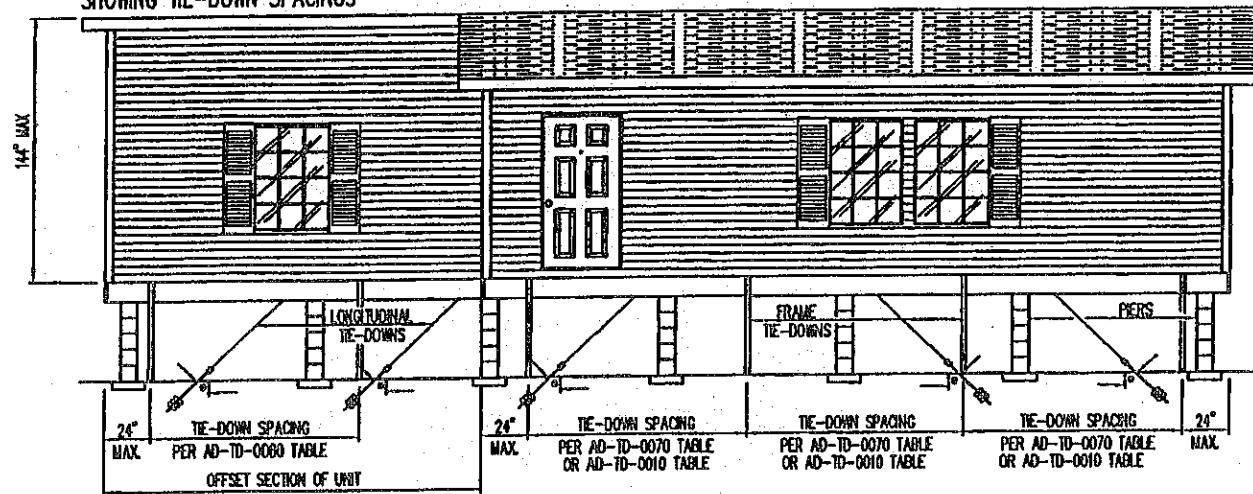
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NAME: M.T.  
DRAWING TITLE: OFFSET SPACING TABLES  
DRAWING NUMBER: AD-TD-0080  
DATE: 6-8-04  
REV. LETTER: A

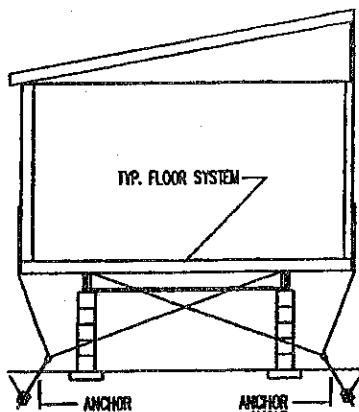
# ADDENDUM

## OFFSET UNIT TIE-DOWN SYSTEM

TYPICAL SIDE ELEVATION (W/ OFFSET SECTION)  
SHOWING TIE-DOWN SPACINGS



**FIGURE 11.0**  
SEE FIGURE 4.0 FOR ALTERNATE TIE-DOWN METHOD

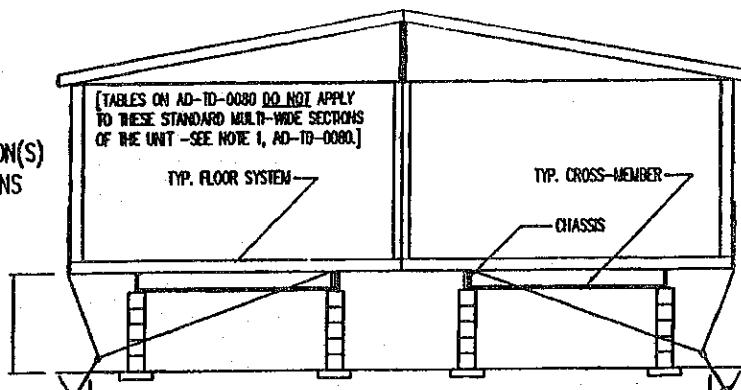


TYP. CROSS SECTION(S)  
SHOWING TIEDOWNS

SEE NOTE 5 FOR  
MAXIMUM HEIGHT

**FIGURE 11.1**

SEE FIGURE 6.0 FOR ALTERNATE TIE-DOWN METHOD

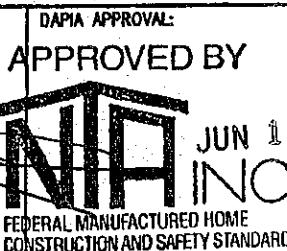
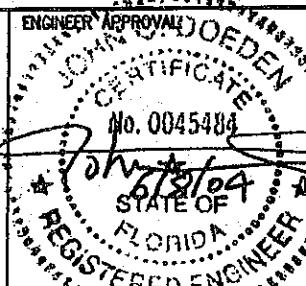


**FIGURE 11.2**

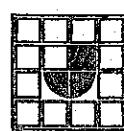
SEE FIGURE 6.1 FOR ALTERNATE TIE-DOWN METHOD

**NOTES:**

1. SEE AD-TD-0080 FOR SPACING TABLES (OFFSET SECTION ONLY).
2. SEE AD-TD-0080 FOR QUANTITY OF LONGITUDINAL TIE-DOWN STRAPS REQUIRED. (OFFSET SECTION ONLY)
3. SEE OTHER DETAILS FOR BLOCKING (PIER) QUANTITY AND OTHER REQUIREMENTS.
4. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.
5. ZONE 2/EXPOSURE 'C': 48" MAXIMUM HEIGHT  
ZONE 2/EXPOSURE 'D': 40" MAXIMUM HEIGHT-36" FOR 12'-0" WIDE UNITS  
ZONE 3/EXPOSURE 'C': 48" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'D': 40" MAXIMUM HEIGHT



JUN 11 2004



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DRAWN BY:	M.T.	DATE:	6-8-04	REV. LETTER:
DRAWING TITLE:	FIG. 11.0, 11.1 & 11.2			
DRAWING NUMBER:	AD-TD-0081			

A

# ADDENDUM

## ALTERNATE OFFSET UNIT TIE-DOWN SYSTEM

TYPICAL SIDE ELEVATION (W/ OFFSET SECTION)  
SHOWING TIE-DOWN SPACINGS

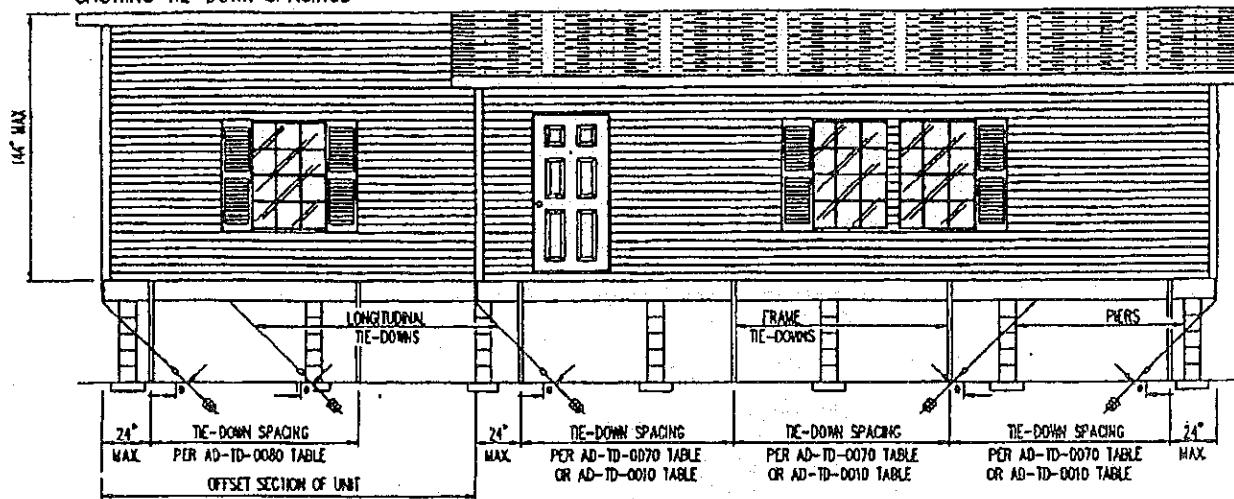


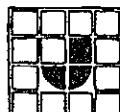
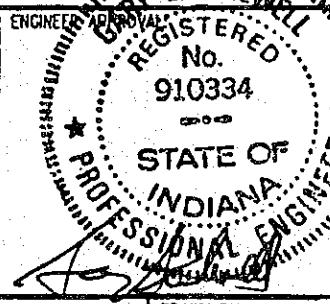
FIGURE 12.0

(SEE CALCS, PG.  
C-SU-16-01-16.12)

SEE FIGURES 11.1 AND 11.2 FOR TYP. CROSS-SECTION

NOTES:

1. SEE AD-TD-0080 FOR SPACING TABLES (OFFSET SECTION ONLY).
2. SEE AD-TD-0080 FOR QUANTITY OF LONGITUDINAL TIE-DOWN STRAPS REQUIRED. (OFFSET SECTION ONLY)
3. SEE OTHER DETAILS FOR BLOCKING (PIER) QUANTITY AND OTHER REQUIREMENTS.
4. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.



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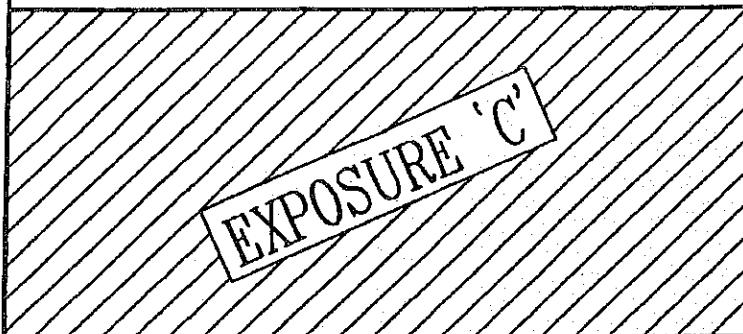
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DRAWN BY: R.R.	DATE: 5-9-01	REV. LETTER: —
DRAWING TITLE: FIG. 12.0		
DRAWING NUMBER: AD-TD-0082		

# ADDENDUM

108" HIGH SIDEWALL TIE-DOWN SPACING TABLES  
ZONE II & III/EXP. C & D

SEE FIGURES  
10.0 & 10.1



**LONGITUDINAL TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MRL. 0	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MRL. 0
26'-8"	3	42°	3	53°
30'-8"	3	52°	4	45°

**VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II		WIND ZONE III	
		SPACING	DOL. HEAD LOAD	ANCHOR ANGLE	SPACING
26'-8"	6"	6'-8"	3150#	40°-50°	5'-4"
30'-8"	6"	6'-8"	3150#	40°-50°	5'-4"

MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MRL. 0	MIN. QTY. EA. END OF EA. SECTION	ANCHOR ANGLE MRL. 0
26'-8"	4	41°	4	52°
30'-8"	4	51°	4	70°

**VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II		WIND ZONE III	
		SPACING	DOL. HEAD LOAD	ANCHOR ANGLE	SPACING
26'-8"	6"	5'-4"	3150#	40°-50°	4'-0"
30'-8"	6"	5'-4"	3150#	40°-50°	4'-0"

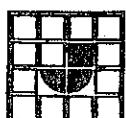
WINDZONE III  
(110 MPH)  
20 PSF ROOF  
10 PSF D.L.

REF. CALCS. CSV - 18.01 - 18.23

ENGINEER APPROVAL: <b>J.O. D.C.</b> CERTIFICATE No. 0045484	DPAIA APPROVAL: <b>APPROVED BY</b>  <b>NIA INC.</b> FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS JUL 27 2004
--	--

**NOTES:**

1. SEE FULL ADDENDUM FOR ADDITIONAL REQUIREMENTS.
2. SEE AD-TD-0084 FOR MAXIMUM PIER HEIGHTS REQUIRED FOR THE LOADS TABULATED ABOVE.



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DRAWN BY:	M.T.	DATE:	07-20-04
DRAWING TITLE:		108" HIGH SIDEWALL SPACING TABLES	
DRAWING NUMBER:		AD-TD-0083	

# ADDENDUM

## TIE-DOWN SYSTEM

TYPICAL SIDE ELEVATION  
SHOWING TIE-DOWN SPACINGS

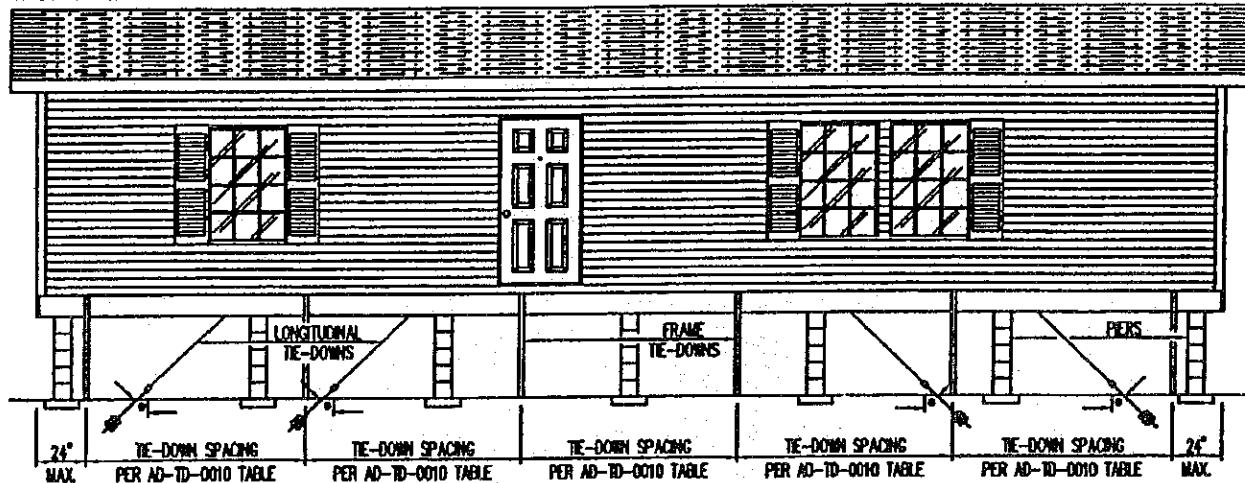


FIGURE 10.0

TYPICAL CROSS SECTION  
SHOWING TIEDOWNS

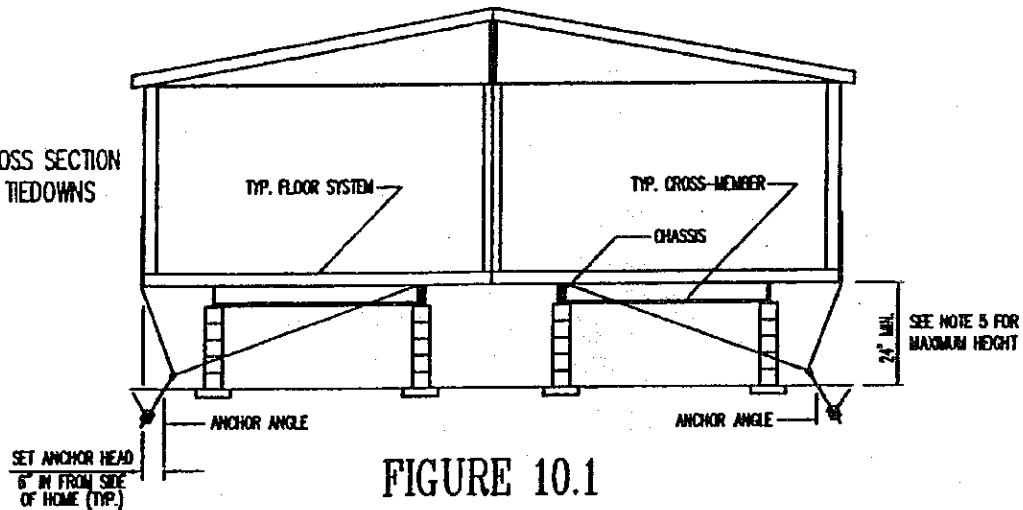
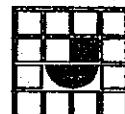


FIGURE 10.1

WINDZONE III  
(110 MPH)  
20 PSF ROOF  
10 PSF D.L.

**NOTES:**

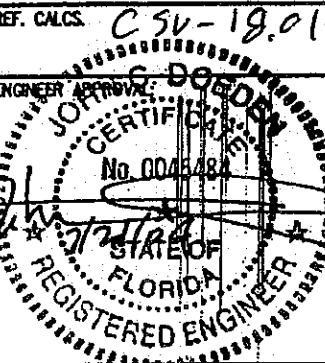
1. SEE AD-TD-0083 FOR SPACING TABLES.
2. SEE AD-TD-0083 FOR QUANTITY OF LONGITUDINAL TIE-DOWN STRAPS REQUIRED.
3. SEE OTHER DETAILS FOR BLOCKING (PIER) QUANTITY AND OTHER REQUIREMENTS.
4. SEE FULL ADDENDUM FOR ADDITIONAL REQUIREMENTS.
5. ZONE 2/EXPOSURE 'C': 36" MAXIMUM HEIGHT  
ZONE 2/EXPOSURE 'D': 27" MAXIMUM HEIGHT
6. ALL SPECIFICATIONS ARE BASED ON 20° ROOF ANGLE MAX.



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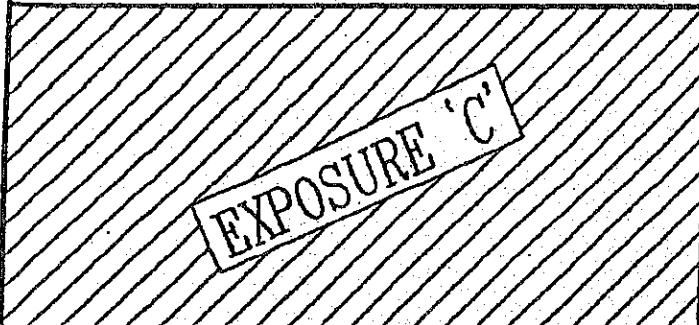
7/27/2004

DRAWN BY:	M.T.	DATE:	07-20-04	REV. LETTER:
DRAWING TITLE:	FIGURES 10.0 AND 10.1			
DRAWING NUMBER:	AD-TD-0084			

# ADDENDUM

108" HIGH SIDEWALL TIE-DOWN SPACING TABLES  
ZONE II & III/EXP. C & D

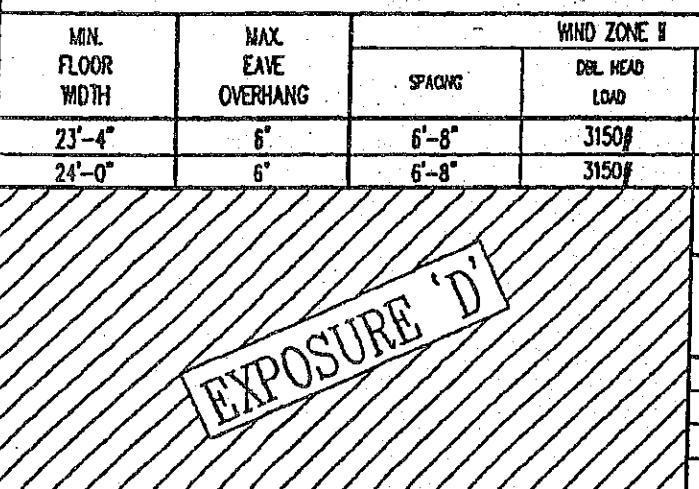
SEE FIGURES  
10.0 & 10.1



**LONGITUDINAL TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA END OF EA SECTION	ANCHOR ANGLE MIN. 0	MIN. QTY. EA END OF EA SECTION	ANCHOR ANGLE MIN. 0
23'-4"	2	58°	3	43°
24'-0"	2	62°	3	45°

**VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE**



**WIND ZONE II**

MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II		WIND ZONE III		
		SPACING	DBL HEAD LOAD	ANCHOR ANGLE	SPACING	
23'-4"	6"	6'-8"	3150#	45°	5'-4"	3150#
24'-0"	6"	6'-8"	3150#	45°	5'-4"	3150#

**LONGITUDINAL TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	WIND ZONE II		WIND ZONE III	
	MIN. QTY. EA END OF EA SECTION	ANCHOR ANGLE MIN. 0	MIN. QTY. EA END OF EA SECTION	ANCHOR ANGLE MIN. 0
23'-4"	3	48°	4	43°
24'-0"	3	50°	4	45°

**VERTICAL TIE-DOWN / FRAME TIE-DOWN SPACING TABLE**

MIN. FLOOR WIDTH	MAX. EAVE OVERHANG	WIND ZONE II		WIND ZONE III		
		SPACING	DBL HEAD LOAD	ANCHOR ANGLE	SPACING	
23'-4"	6"	5'-4"	3150#	47°	4'-0"	3150#
24'-0"	6"	5'-4"	3150#	47°	4'-0"	3150#

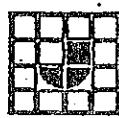
108" MAX. SIDEWALL HEIGHT

WINDZONE II/III  
(110 MPH)  
20 PSF ROOF  
10 PSF D.L.

**NOTES:**

1. SEE FULL ADDENDUM FOR ADDITIONAL REQUIREMENTS.
2. SEE AD-TD-0086 FOR MAXIMUM PIER HEIGHTS REQUIRED FOR THE LOADS TABULATED ABOVE.

REF. CALC'S.		JOHN JACOBSEN REGISTERED ENGINEER FLORIDA STATE NATIONAL ASSOCIATION OF REGISTERED ENGINEERS APPROVAL	
ENGINEER APPROVAL DATE: NOV 10 2006 125501 STATE OF FLORIDA REGISTERED ENGINEER			
APPROVED BY <b>NIA INC.</b> Dec. 13, 2006 FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS			

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			DRAWING TITLE: 108" HIGH SIDEWALL SPACING TABLES	DRAWING NUMBER: AD-TD-0085	

# ADDENDUM

## TIE-DOWN SYSTEM

TYPICAL SIDE ELEVATION  
SHOWING TIE-DOWN SPACINGS.

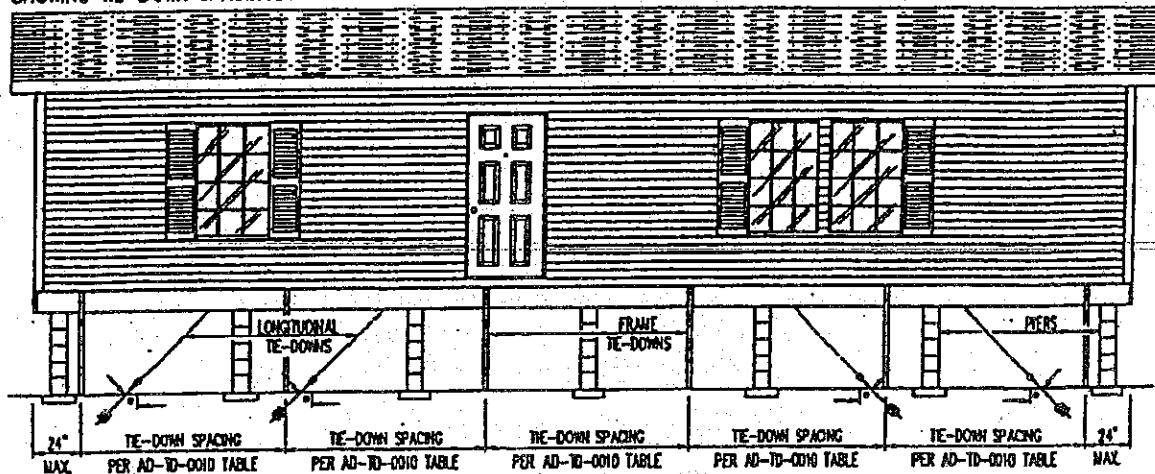


FIGURE 10.0

TYPICAL CROSS SECTION  
SHOWING TIEDOWNS

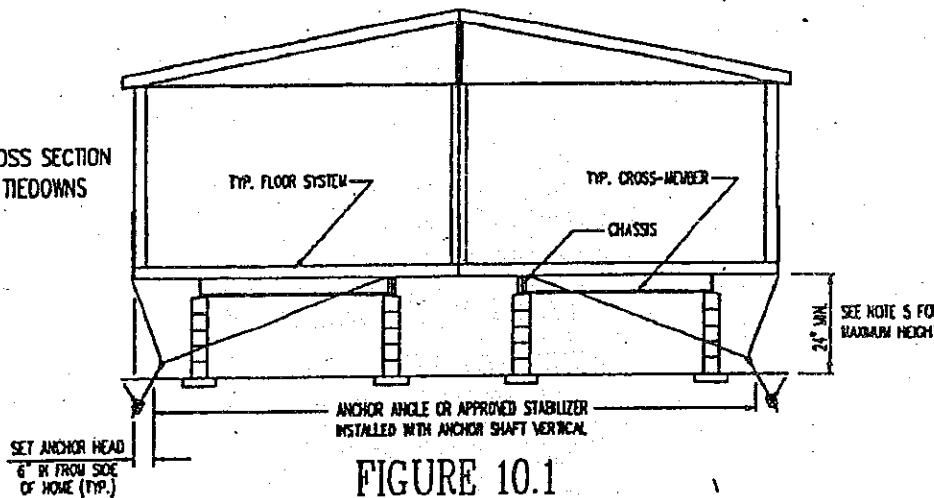


FIGURE 10.1

**NOTES:**

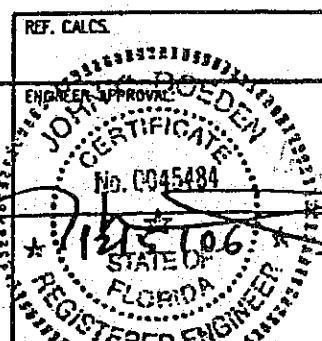
1. SEE AD-TD-0085 FOR SPACING TABLES.
2. SEE AD-TD-0085 FOR QUANTITY OF LONGITUDINAL TIE-DOWN STRAPS REQUIRED.
3. SEE OTHER DETAILS FOR BLOCKING (PIER) QUANTITY AND OTHER REQUIREMENTS.
4. SEE FULL ADDENDUM FOR ADDITIONAL REQUIREMENTS.
5. ZONE 2/EXPOSURE 'C': 44" MAXIMUM HEIGHT  
ZONE 2/EXPOSURE 'D': 28" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'C': 44" MAXIMUM HEIGHT  
ZONE 3/EXPOSURE 'D': 35" MAXIMUM HEIGHT
6. ALL SPECIFICATIONS ARE BASED ON 20° ROOF ANGLE MAX. AND 108° MAX. SIDEWALL HEIGHT.



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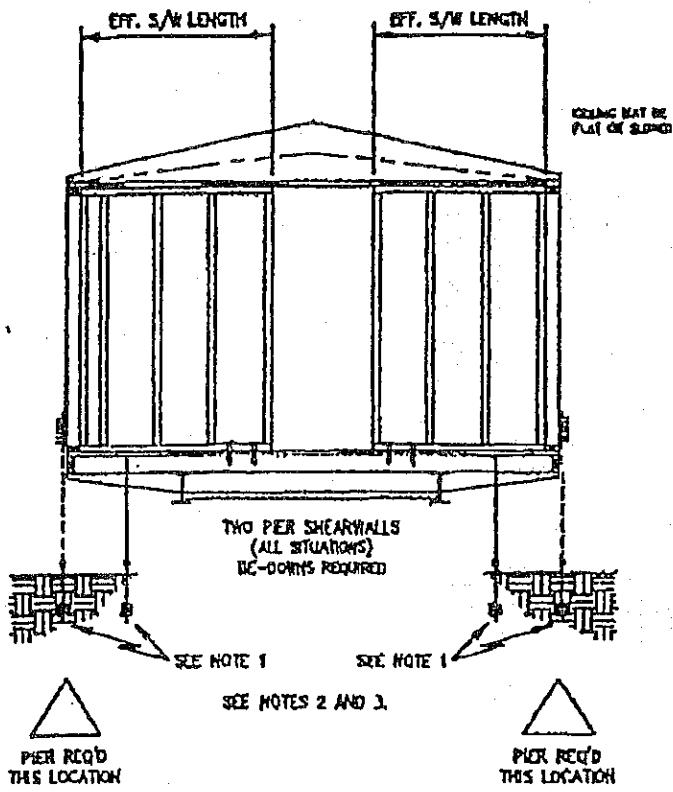
WINDZONE II/III  
(110 MPH)  
20 PSF ROOF  
10 PSF D.L.

Dec 13, 2006

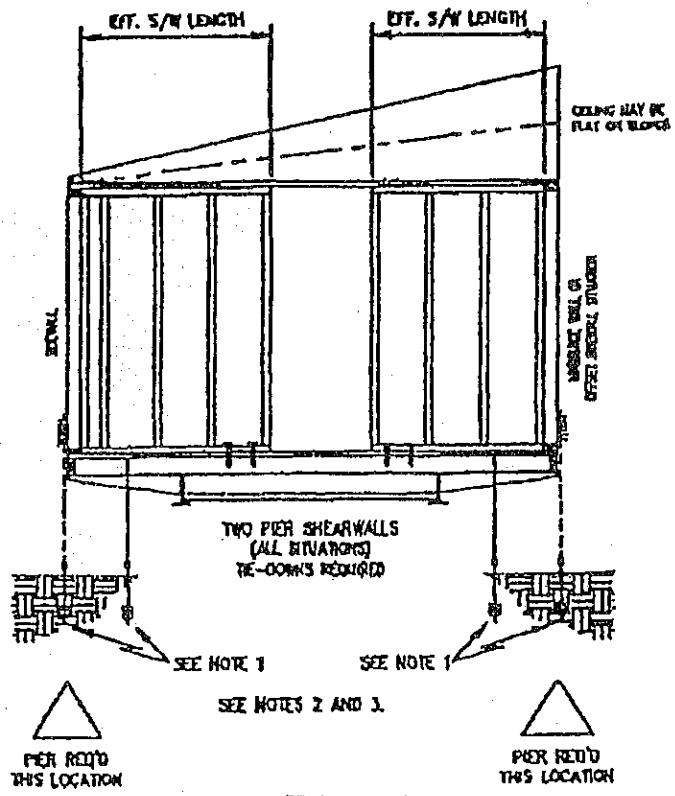
REV. LETTER:	R.R. 11-28-06	
DRAWING TITLE:	FIGURES 10.0 AND 10.1	
DRAWING NUMBER:	AD-TD-0086	

# ADDENDUM

## SHEARWALL TIE-DOWN/PIER REQUIREMENTS



**FIGURE 8.0**

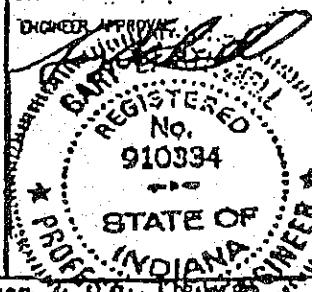


**FIGURE 8.1**

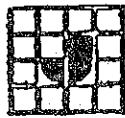
THE DETAIL ABOVE IS SHOWN WITH A TWO PIER SHEARWALL CONFIGURATION, HOWEVER, THIS DETAIL APPLIES TO ALL SHEARWALL CONFIGURATIONS, ALL ZONES, AND ALL PLF VALUES.

### NOTES:

1. RE-DOWNS REQUIRED IN THESE AREAS. TIE-DOWN STRAP MAY BE LOCATED IN EITHER OF THE AREAS SHOWN ABOVE (NOT REQUIRED AT BOTH). GROUND ANCHORS TO BE RATED FOR AN ULTIMATE LOAD OF 4725L [3120 DESIGN LOAD] (SEE AD-TD-100 [TD-GENERAL NOTES] FOR NOTES ON GROUND ANCHOR INSTALLATION.)
2. INSTALL A PIKE AT EACH END OF THE SHEARWALL JOISTS (PER THE ABOVE DETAILS). (PIKE REQUIRED AT EACH END OF JOISTS REGARDLESS OF TIE-DOWN STRAP REQUIREMENTS.)
3. WHEN SHEARWALL IS LOCATED ABOVE A SOLID HEADER (FULL HEIGHT CROSS-WALLS) NO TIE-DOWN STRAPS OR PIKES ARE REQUIRED (ALL SHEARWALL CONFIGURATIONS, ALL ZONES AND ALL EXPOSURES).



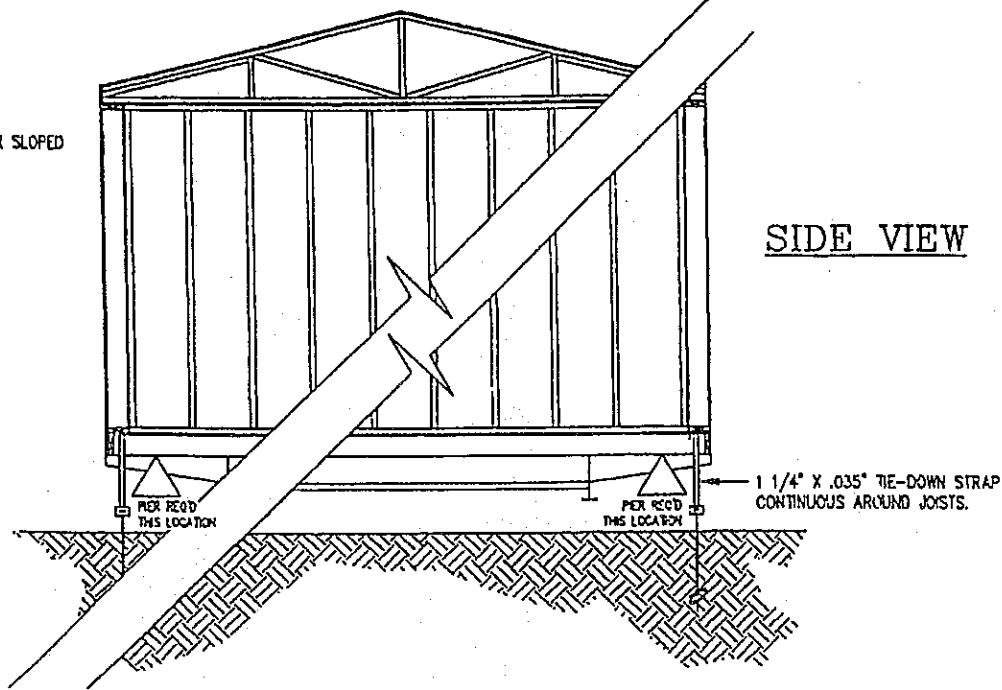
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			DATE: <b>02-01-00</b>

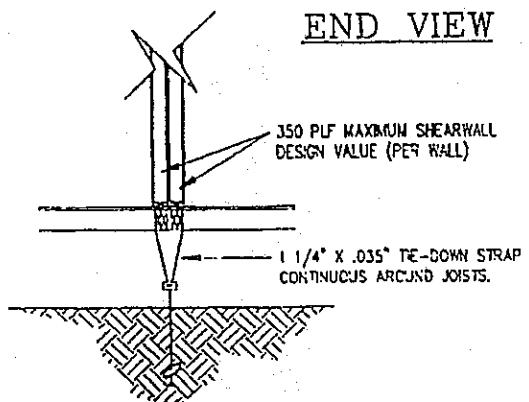
ADDENDUM  
DOUBLE SHEARWALL CONFIGURATION  
SINGLE-SECTION TIE-DOWNS

CEILING MAY BE FLAT OR SLOPED

SIDE VIEW



END VIEW



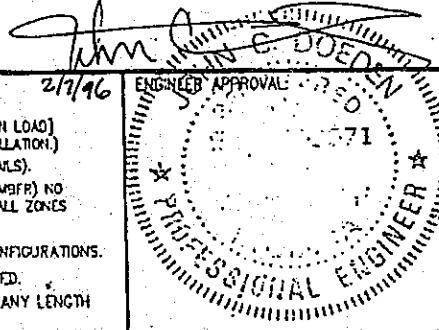
NOTES:

1. GROUND ANCHORS TO BE RATED FOR AN ULTIMATE LOAD OF 4725# (3150 DESIGN LOAD) (SEE AD-TD-0001 (TD-GENERAL NOTES) FOR NOTES ON GROUND ANCHOR INSTALLATION.)
2. INSTALL A PIER AT EACH END OF THE SHEARWALL JOISTS (PER THE ABOVE DETAILS).
3. WHEN SHEARWALL IS LOCATED ABOVE A SOLID HEADER (FULL HEIGHT CROSS-WALLS) NO TIE-DOWN STRAPS OR PIERS ARE REQUIRED (ALL SHEARWALL CONFIGURATIONS, ALL ZONES AND ALL EXPOSURES).
4. TIE-DOWN STRAP REQUIRED AT EACH END OF JOISTS, ALL DBL-S/W CONFIGURATIONS.
5. CEILING SHOWS FLAT - OPT. CATHEDRAL OR SLOPED CEILING MAY BE USED.
6. FULL WIDTH SHEARWALLS ARE SHOWN IN THE DETAIL ABOVE, HOWEVER, ANY LENGTH OR CONFIGURATION SHEARWALL MAY BE USED.

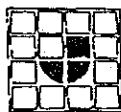
2/7/96

ENGINEER APPROVAL

DAPIA APPROVAL



FEDERAL MANUFACTURED HOME  
CONSTRUCTION AND SAFETY STANDARDS



JACOBSEN HOMES

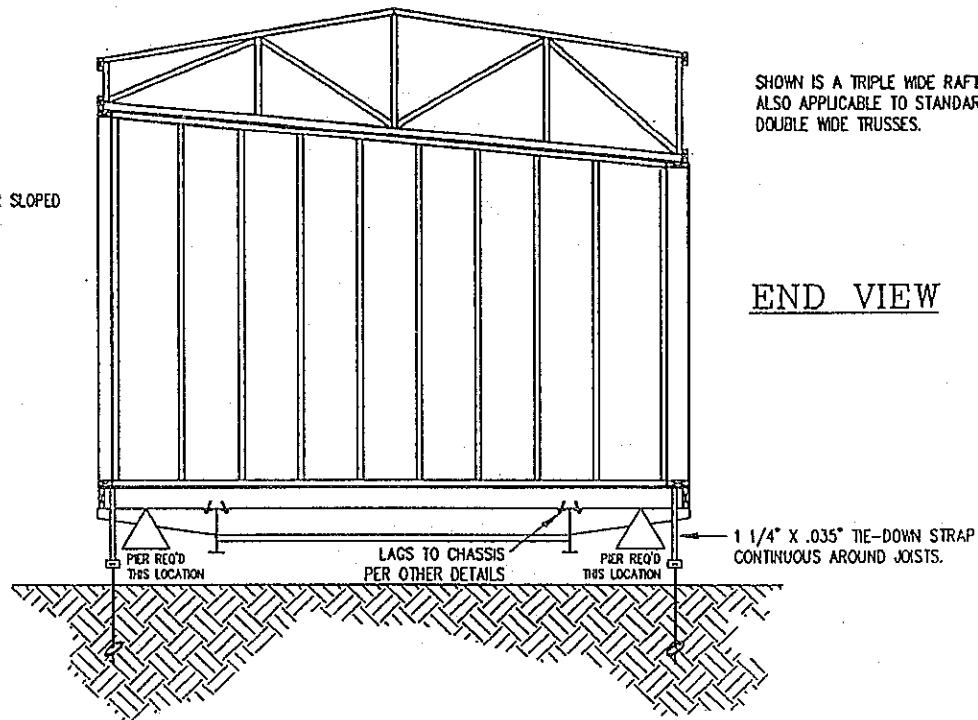
P.O. BOX 368  
SAFETY HARBOR, FLORIDA 34695  
PHONE (813) 726-1138

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DRAWN BY:	R.R	DATE:	2-6-96	REV. LETTER:
DRAWING TITLE:	DBL. S/W CONFIG. TIE-DOWN			
DRAWING NUMBER:	AD-TD-0110			

**DOUBLE SHEARWALL CONFIGURATION**  
**TRIPLE & MULTI SECTIONS**

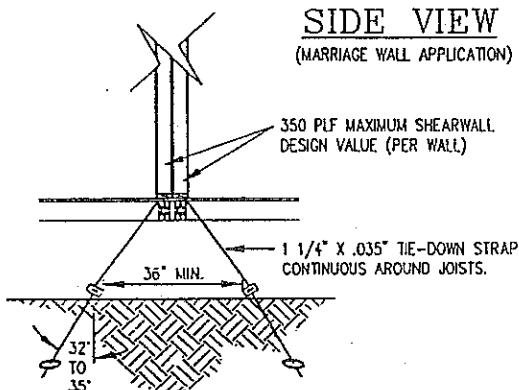
CEILING MAY BE FLAT OR SLOPED



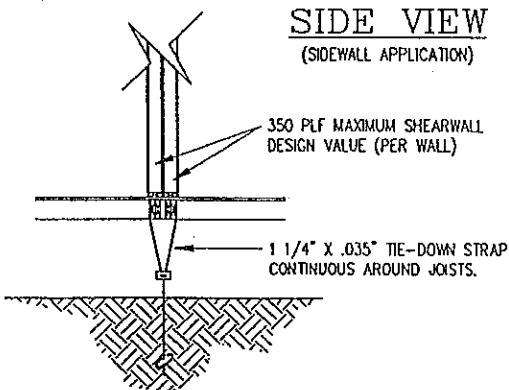
END VIEW

SHOWN IS A TRIPLE WIDE RAFTER,  
ALSO APPLICABLE TO STANDARD  
DOUBLE WIDE TRUSSES.

**SIDE VIEW**  
(MARRIAGE WALL APPLICATION)



**SIDE VIEW**  
(SIDEWALL APPLICATION)



NOTE:  
ALSO APPLICABLE TO 'SLIP SIDE'  
MARRIAGE WALLS WHEN AT LEAST  
2 STANDARD VERTICAL TIES ARE  
INSTALLED, (1 EACH SIDE ADJACENT  
TO SHEARWALL LOCATION)

**NOTES:**

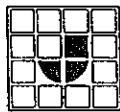
1. GROUND ANCHORS TO BE RATED FOR AN ULTIMATE LOAD OF 4725/[3150 DESIGN LOAD] (SEE AD-TD-DOO1 [TD-GENERAL NOTES] FOR NOTES ON GROUND ANCHOR INSTALLATION.)
2. INSTALL A PIER AT EACH END OF THE SHEARWALL JOISTS (PER THE ABOVE DETAILS).
3. WHEN SHEARWALL IS LOCATED ABOVE A SOLID HEADER (FULL HEIGHT CROSS-MEMBER) NO TIE-DOWN STRAPS OR PIERS ARE REQUIRED (ALL SHEARWALL CONFIGURATIONS, ALL ZONES AND ALL EXPOSURES).
4. TIE-DOWN STRAP REQUIRED AT EACH END OF JOISTS, ALL DBL S/W CONFIGURATIONS.
5. CEILING SHOWN CATHEDRAL OR SLOPED, FLAT CEILING MAY BE USED.
6. FULL WIDTH SHEARWALLS ARE SHOWN IN THE DETAIL ABOVE, HOWEVER, ANY LENGTH OR CONFIGURATION SHEARWALL MAY BE USED.
7. THIS DETAIL MAY APPLY TO TRIPLE AND/OR DOUBLE WIDE SECTIONS.

ENGINEER APPROVAL:

*John C. Doeden, P.E.*  
John C. Doeden, P.E.  
15133 C. R. 22  
Goshen, IN 46526

DAPIA APPROVAL:

**APPROVED BY**  
**NIA** INC.  
APR 15 1996  
FEDERAL MANUFACTURED HOME  
CONSTRUCTION AND SAFETY STANDARDS

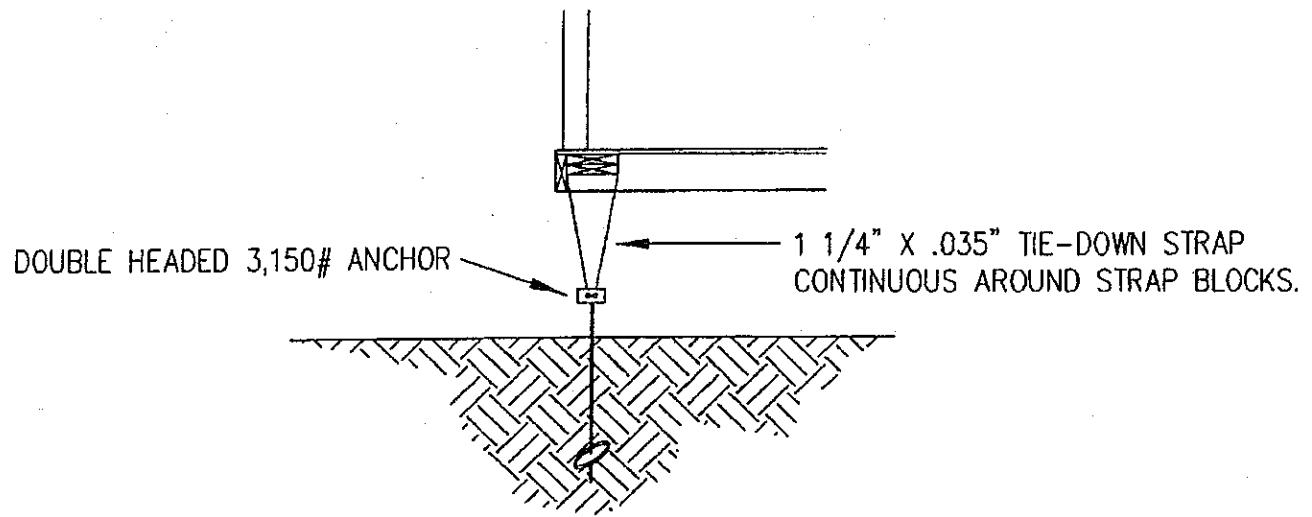


**JACOBSEN HOMES**  
P.O. BOX 368  
SAFETY HARBOR, FLORIDA 34695  
PHONE (813) 726-1138

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DRAWN BY:	R.R.	DATE:	4-09-96	REV. LETTER: A
DRAWING TITLE:	DBL. S/W CONFIG. TIE-DOWN			
DRAWING NUMBER:	AD-TD-0111			

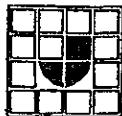
## PORCH ANCHORING



WIND ZONE III  
EXPOSURE C  
(110 MPH)  
20 PSF ROOF  
10 PSF D.L.

CWA-108.01 -  
108.07

REF. CALCS.	ENGINEER APPROVAL: <i>[Signature]</i> 12/12/03 JACOBSEN, DOUGAL, P.E. Jacobsen Manufacturing Inc.	DAPIA APPROVAL: <i>[Signature]</i> APPROVED BY <b>NA INC.</b> FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS DEC 18 2003
NOTES: 1. SEE SET-UP MANUAL AND ADDENDUM FOR APPLICABLE BLOCKING		DRAWN BY: M.T. DATE: 12-13-03 DRAWING TITLE: PORCH ANCHORING DRAWING NUMBER: AD-TD-0112
REV. LETTER: _____		



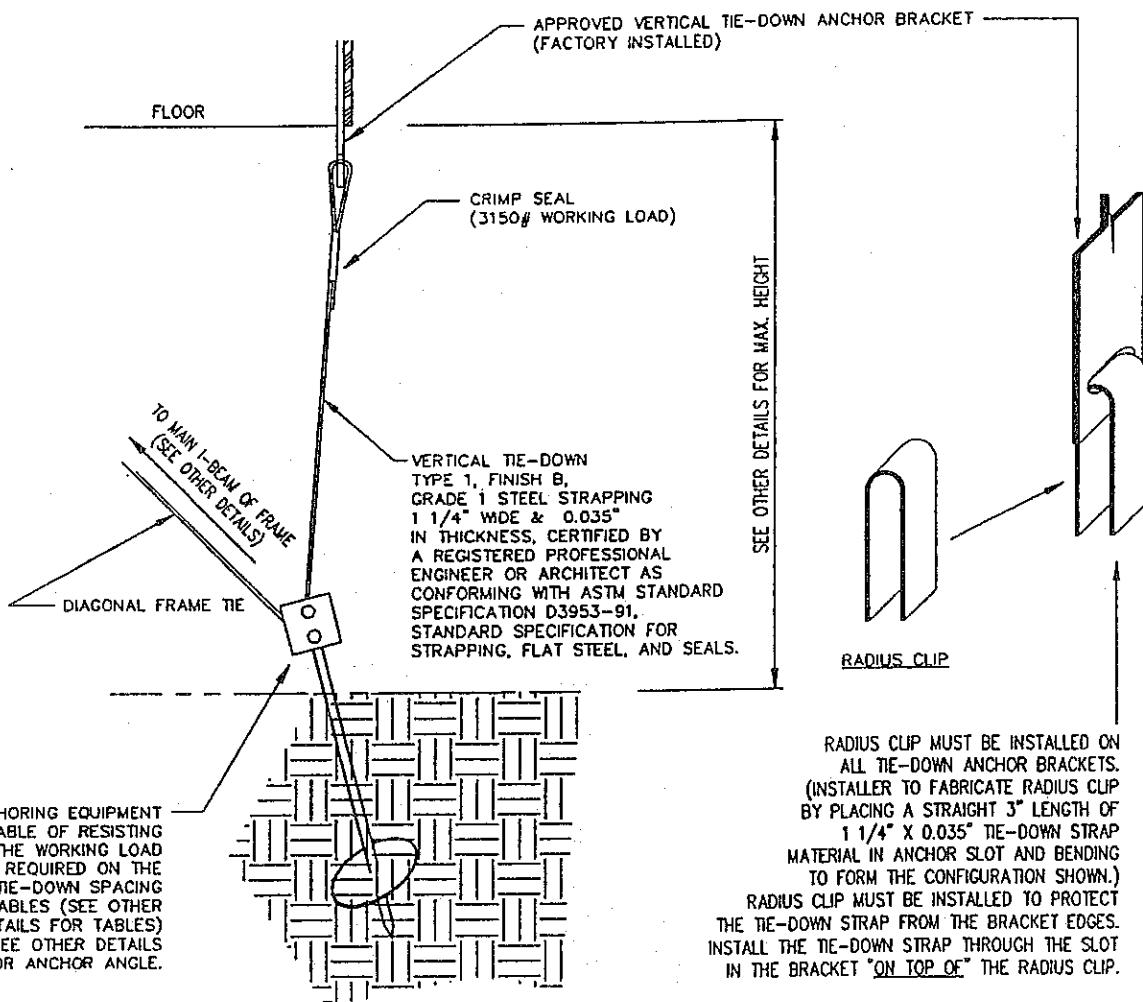
JACOBSEN HOMES

P.O. BOX 368  
SAFETY HARBOR, FLORIDA 34695  
PHONE (727) 726-1138

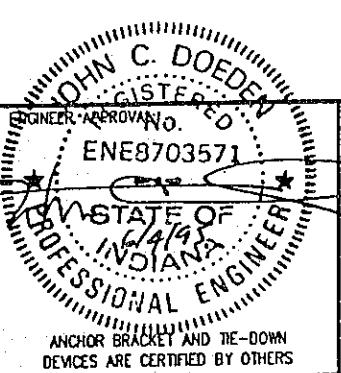
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# ADDENDUM

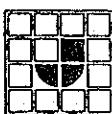
## ALTERNATE VERTICAL TIE-DOWN APPLICATION


**NOTES:**

- ALL VERTICAL TIE-DOWN STRAPS, DIAGONAL FRAME TIE-DOWN STRAPS AND ANCHORING EQUIPMENT SUPPLIED BY AND INSTALLED BY OTHERS - ON SITE.
- ANCHORING EQUIPMENT EXPOSED TO WEATHERING SHALL HAVE A RESISTANCE TO WEATHER DETERIORATION.
- PROTECTION SHALL BE PROVIDED AT SHARP CORNERS WHERE THE ANCHORING SYSTEM REQUIRES THE USE OF EXTERNAL STRAPS OR CABLES (SEE RADIUS CLIP).



DAPIA APPROVAL:



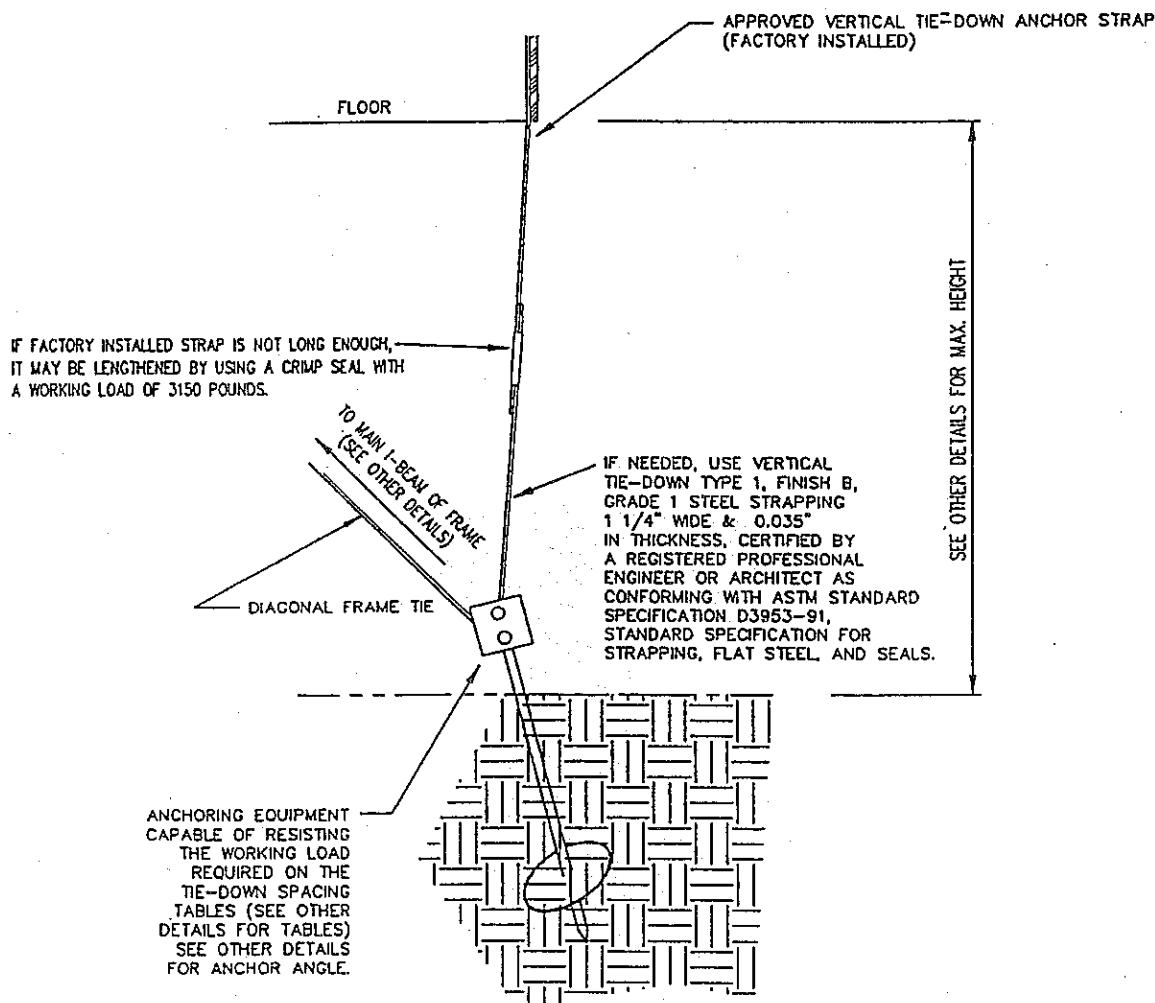
**JACOBSEN HOMES**  
P.O. BOX 368  
SAFETY HARBOR, FLORIDA 34695  
PHONE (813) 726-1138

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DRAWN BY:	C.L.Y.	DATE:	5-31-95	REV. LETTER:
DRAWING TITLE:	ALT. TIE-DOWN APPL.			
DRAWING NUMBER:	AD-TD-0200		A	

# ADDENDUM

## ALTERNATE VERTICAL TIE-DOWN APPLICATION



NOTES:

1. ANY ADDITIONAL VERTICAL TIE-DOWN STRAPS, DIAGONAL FRAME TIE-DOWN STRAPS AND ANCHORING EQUIPMENT SUPPLIED BY AND INSTALLED BY OTHERS- ON SITE.
2. ANCHORING EQUIPMENT EXPOSED TO WEATHERING SHALL HAVE A RESISTANCE TO WEATHER DETERIORATION.
3. PROTECTION SHALL BE PROVIDED AT SHARP CORNERS WHERE THE ANCHORING SYSTEM REQUIRES THE USE OF EXTERNAL STRAPS OR CABLES (SEE RADIUS CLIP).



DAPIA APPROVAL:

APPROVED BY



REVISED  
10/23/96



JACOBSEN HOMES

P.O. BOX 368  
SAFETY HARBOR, FLORIDA 34695  
PHONE (813) 726-1138

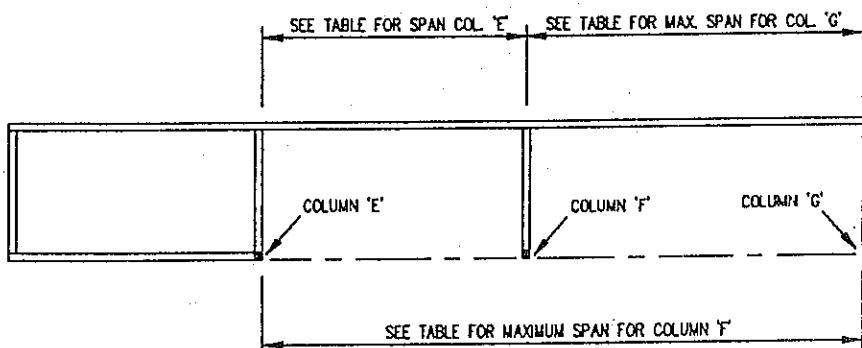
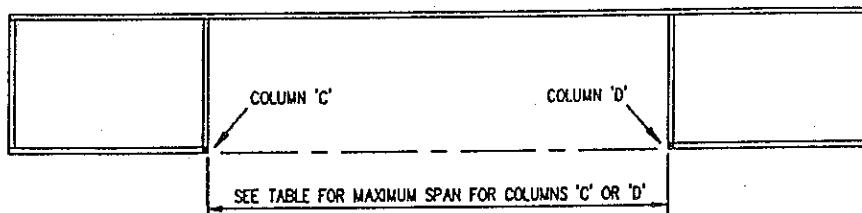
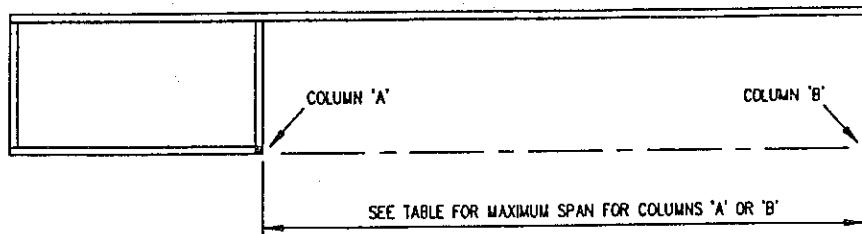
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DRAWN BY:	R.R.	DATE:	10-05-96	REV. LETTER:
DRAWING TITLE:	ALT. TIE-DOWN APPL.			
DRAWING NUMBER:	AD-TD-0210			

A

# ADDENDUM

## COLUMN TIE-DOWN APPLICATION



TYPE OF ANCHORING REQ'D (SEE AD-TD-0251, AD-TD-0252 AND AD-TD-0253) SEE NOTE 1	MAXIMUM ALLOWABLE SPAN											
	COLUMNS 'A', 'C', 'D' OR 'E'				COLUMNS 'B' OR 'G'				COLUMN 'F'			
	ZONE 2		ZONE 3		ZONE 2		ZONE 3		ZONE 2		ZONE 3	
	EXP. 'C'	EXP. 'D'	EXP. 'C'	EXP. 'D'	EXP. 'C'	EXP. 'D'	EXP. 'C'	EXP. 'D'	EXP. 'C'	EXP. 'D'	EXP. 'C'	EXP. 'D'
2 - 3150# ANCHORS	43'-0"	29'-6"	33'-9"	23'-7"	43'-0"	29'-6"	33'-9"	23'-7"	43'-0"	29'-6"	33'-9"	23'-7"
1 - 3150# ANCHOR	21'-6"	14'-9"	16'-10"	11'-10"	21'-6"	14'-9"	16'-10"	11'-10"	21'-6"	14'-9"	16'-10"	11'-10"
1 - 4000# ANCHOR	27'-3"	18'-9"	21'-5"	15'-0"	27'-3"	18'-9"	21'-5"	15'-0"	27'-3"	18'-9"	21'-5"	15'-0"

NOTES:

1. SEE AD-TD-0251, AD-TD-0252 AND AD-TD-0253 FOR SPECIFIC INFO. ON ANCHORS.
2. SEE AD-TD-0001 FOR ADDITIONAL NOTES ON ANCHOR INSTALLATION.

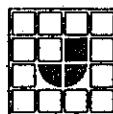
ENGINEER APPROVAL:

*John C. Doedens*  
John C. Doedens, P.E.  
15133 C.R. 22  
Goshen, IN 46526

DAPIA APPROVAL:  
**APPROVED BY**

*John C. Doedens*  
**NIA** INC.  
FEDERAL MANUFACTURED HOME  
CONSTRUCTION AND SAFETY STANDARDS

JUN 1 5 1995



**JACOBSEN HOMES**  
P.O. BOX 368  
SAFETY HARBOR, FLORIDA 34695  
PHONE (813) 726-1138

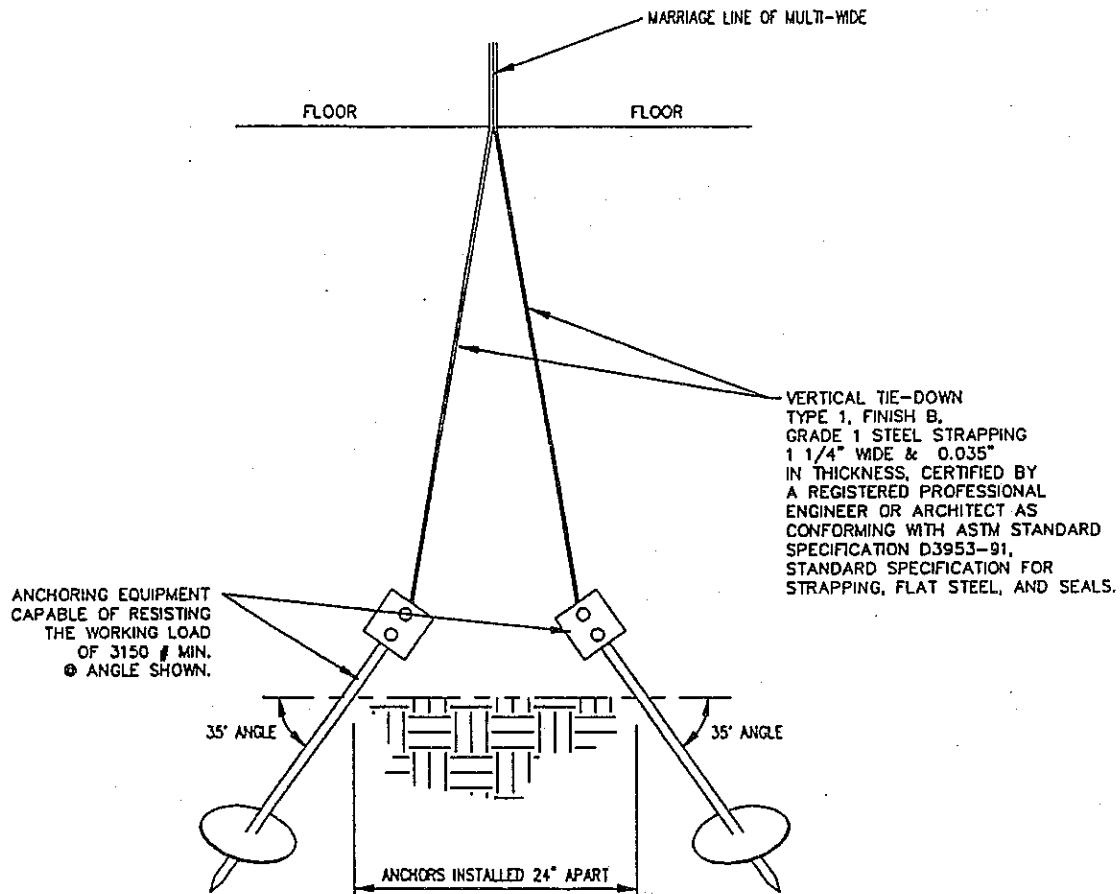
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DRAWN BY:	C.L.Y.	DATE:	5-31-95
DRAWING TITLE:	COL. TIE-DOWN APPL.		
DRAWING NUMBER:	AD-TD-0250		

REV. LETTER:  
**A**

# ADDENDUM

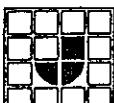
## COLUMN TIE-DOWN APPLICATION



**COLUMN STRAPS ATTACHED TO TWO  
SEPERATE GROUND ANCHORS (3150# EA.)**

NOTES:

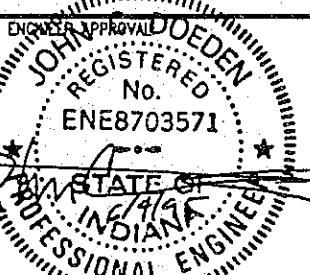
1. ALL ANCHORING EQUIPMENT SUPPLIED BY AND INSTALLED BY OTHERS- ON SITE.
2. ANCHORING EQUIPMENT EXPOSED TO WEATHERING SHALL HAVE A RESISTANCE TO WEATHER DETERIORATION.
3. PROTECTION SHALL BE PROVIDED AT SHARP CORNERS WHERE THE ANCHORING SYSTEM REQUIRES THE USE OF EXTERNAL STRAPS OR CABLES.



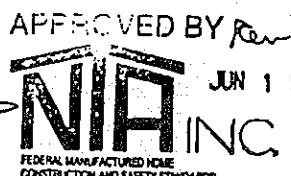
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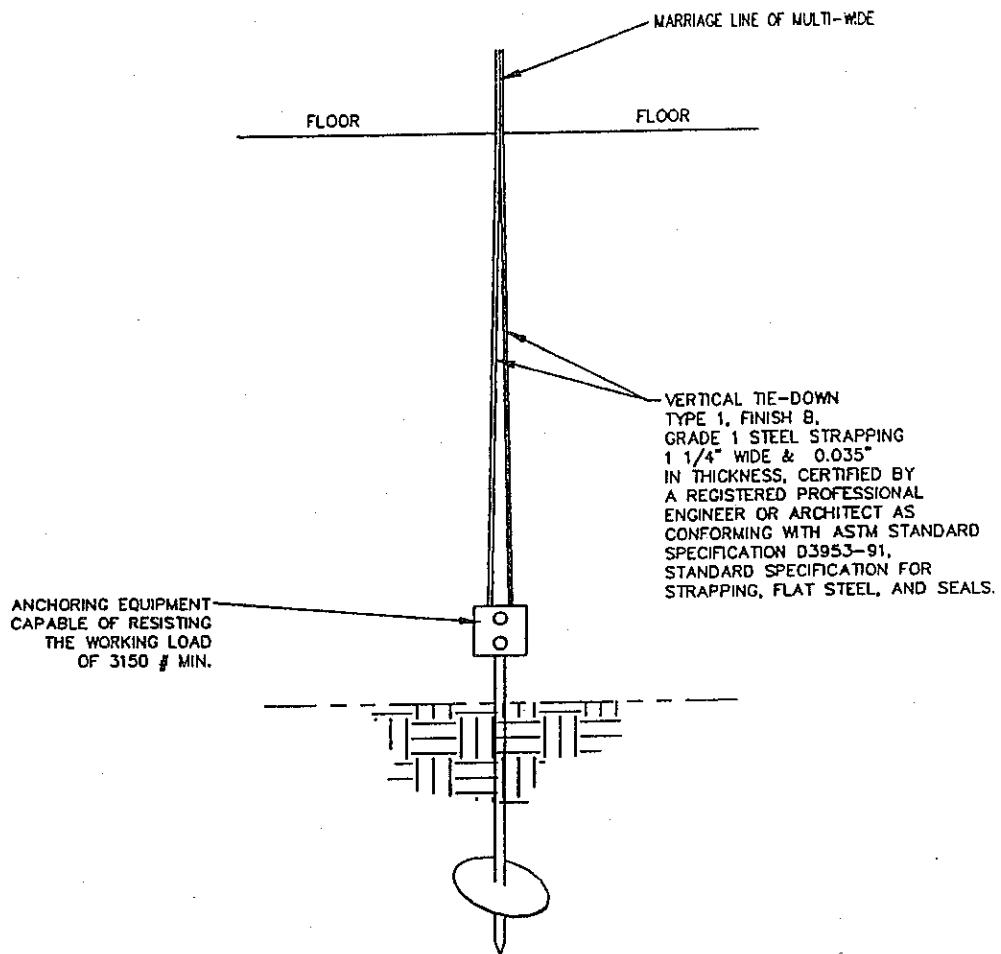
DAPIA APPROVAL:



DRAWN BY: C.L.Y.	DATE: 5-31-95	REV. LETTER: A
DRAWING TITLE: COL. TIE-DOWN APPL.		
DRAWING NUMBER: AD-TD-0251		

# ADDENDUM

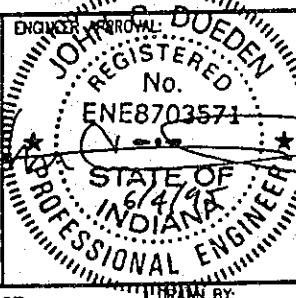
## COLUMN TIE-DOWN APPLICATION



**COLUMN STRAPS ATTACHED TO A  
SINGLE GROUND ANCHOR (3150#)**

**NOTES:**

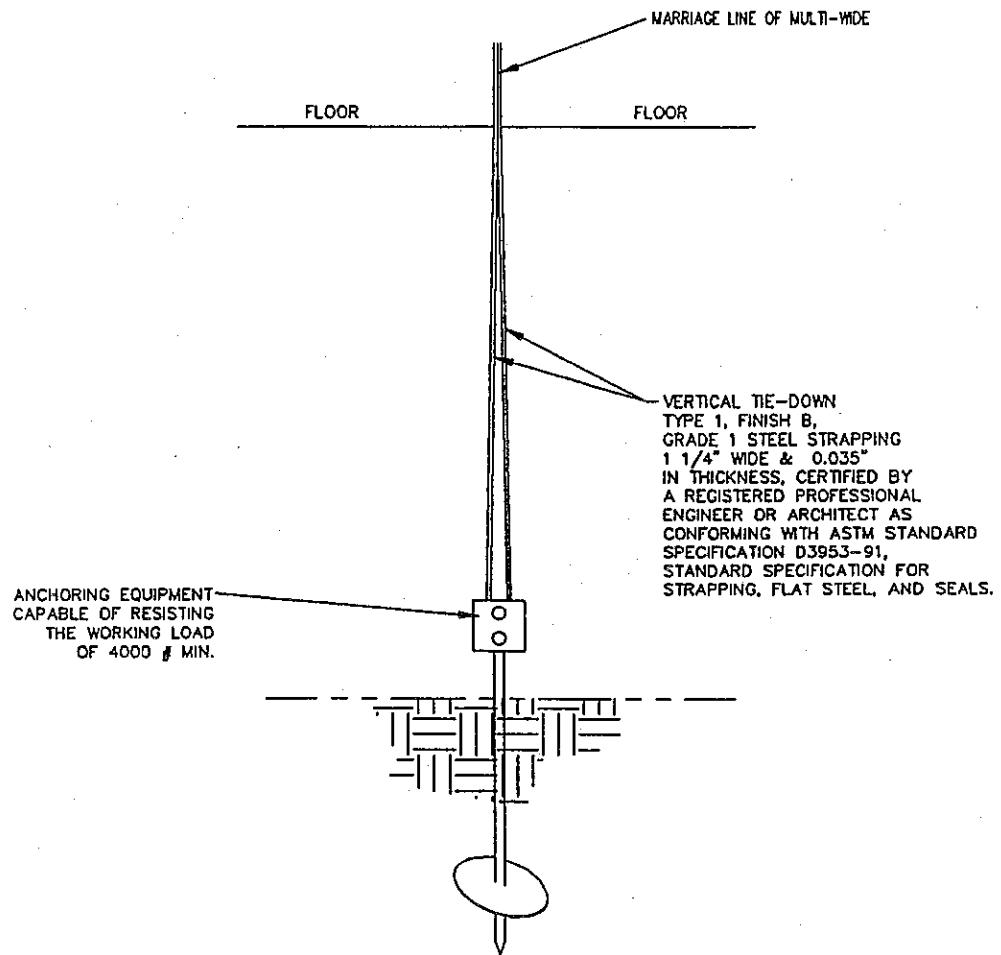
1. ALL ANCHORING EQUIPMENT SUPPLIED BY AND INSTALLED BY OTHERS- ON SITE.
2. ANCHORING EQUIPMENT EXPOSED TO WEATHERING SHALL HAVE A RESISTANCE TO WEATHER DETERIORATION.
3. PROTECTION SHALL BE PROVIDED AT SHARP CORNERS WHERE THE ANCHORING SYSTEM REQUIRES THE USE OF EXTERNAL STRAPS OR CABLES.



 <b>JACOBSEN HOMES</b> P.O. BOX 368 SAFETY HARBOR, FLORIDA 34695 PHONE (813) 726-1138	<b>NOTICE:</b> THESE SPECIFICATIONS AND DRAWINGS ARE ORIGINAL, PROPRIETARY, AND CONFIDENTIAL MATERIALS OF JACOBSEN MANUFACTURING INC. SUCH MATERIALS ARE PROVIDED TO THE RECIPIENT FOR SPECIFIC PURPOSES AND MUST BE KEPT CONFIDENTIAL AND SECRET FROM OTHERS.	DRAWN BY:	C.L.Y.	DATE:	5-25-95	REV. LETTER:	
		DRAWING TITLE:	COL TIE-DOWN APPL.				
		DRAWING NUMBER:	AD-TD-0252				

# ADDENDUM

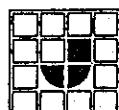
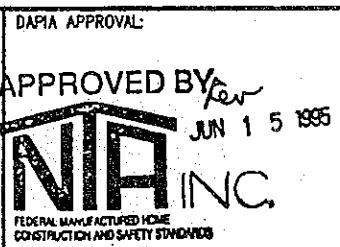
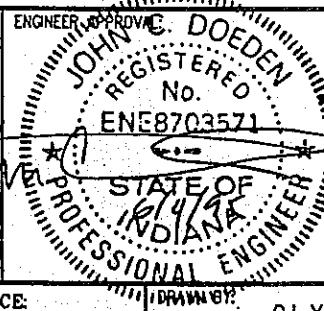
## COLUMN TIE-DOWN APPLICATION



### COLUMN STRAPS ATTACHED TO A SINGLE GROUND ANCHOR (4000#)

NOTES:

1. ALL ANCHORING EQUIPMENT SUPPLIED BY AND INSTALLED BY OTHERS- ON SITE.
2. ANCHORING EQUIPMENT EXPOSED TO WEATHERING SHALL HAVE A RESISTANCE TO WEATHER DETERIORATION.
3. PROTECTION SHALL BE PROVIDED AT SHARP CORNERS WHERE THE ANCHORING SYSTEM REQUIRES THE USE OF EXTERNAL STRAPS OR CABLES.



JACOBSEN HOMES

P.O. BOX 368  
SAFETY HARBOR, FLORIDA 34695  
PHONE (813) 725-1138

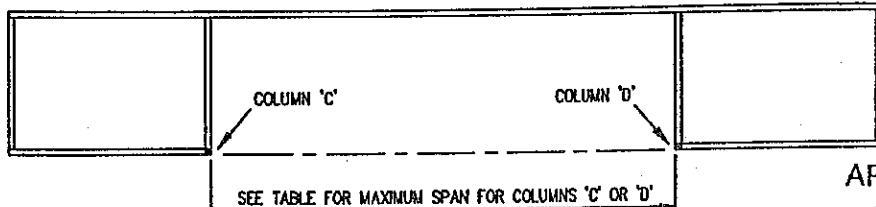
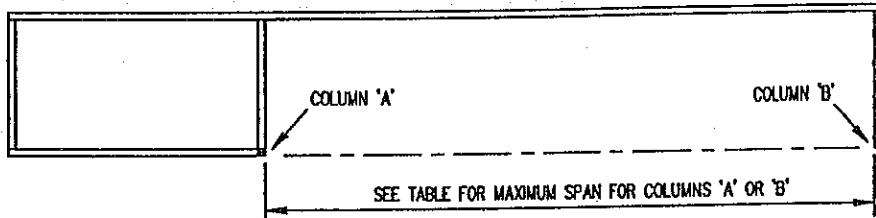
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DRAWING BY:	C.L.Y.	DATE:	5-25-95
DRAWING TITLE:		COL. TIE-DOWN APPL.	
DRAWING NUMBER: AD-TD-0253			

REV. LETTER:

## ADDENDUM

## 184" WIDE COLUMN TIE-DOWN APPLICATION

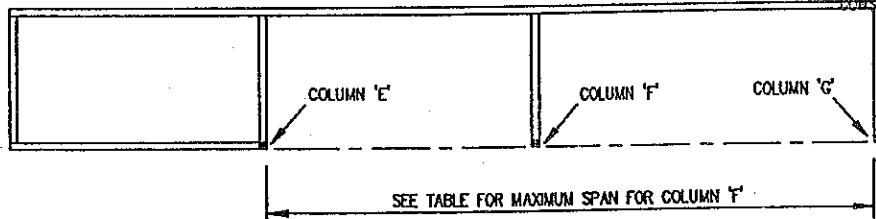


APPROVED BY



**FEDERAL MANUFACTURED HOME  
CONSTRUCTION AND SAFETY STANDARDS**

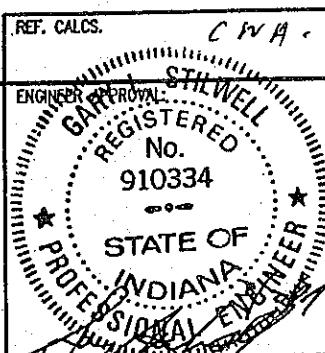
MAR 03 1999



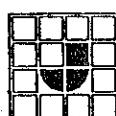
TYPE OF ANCHORING REQ'D (SEE AD-TD-0251, AD-TD-0252 AND AD-TD-0253) SEE NOTE 1	MAXIMUM ALLOWABLE SPAN											
	COLUMNS 'A', 'C', 'D' OR 'E'				COLUMNS 'B' OR 'G'				COLUMN 'F'			
	ZONE 2		ZONE 3		ZONE 2		ZONE 3		ZONE 2		ZONE 3	
	EXP. 'C'	EXP. 'D'	EXP. 'C'	EXP. 'D'	EXP. 'C'	EXP. 'D'	EXP. 'C'	EXP. 'D'	EXP. 'C'	EXP. 'D'	EXP. 'C'	EXP. 'D'
2 - 3150# ANCHORS	37'-4"	25'-6"	29'-4"	20'-4"	37'-4"	25'-6"	29'-4"	20'-4"	37'-4"	25'-6"	29'-4"	20'-4"
1 - 3150# ANCHOR	18'-6"	12'-10"	14'-7"	10'-3"	18'-6"	12'-10"	14'-7"	10'-3"	18'-6"	12'-10"	14'-7"	10'-3"
1 - 4000# ANCHOR	23'-6"	16'-4"	18'-7"	13'-0"	23'-8"	16'-4"	18'-7"	13'-0"	23'-8"	16'-4"	18'-7"	13'-0"

**NOTES:**

1. SEE AD-TD-0251, AD-TD-0252 AND AD-TD-0253 FOR SPECIFIC INFO. ON ANCHORS.
  2. SEE AD-TD-0001 FOR ADDITIONAL NOTES ON ANCHOR INSTALLATION.



DAPIA APPROVAL MAR 03 1999



JACOBSEN HOMES

P.O. BOX 368  
SAFETY HARBOR, FLORIDA 34695  
PHONE (727) 726-1138

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NOTE

CR

11

2000

REV. LETTERS

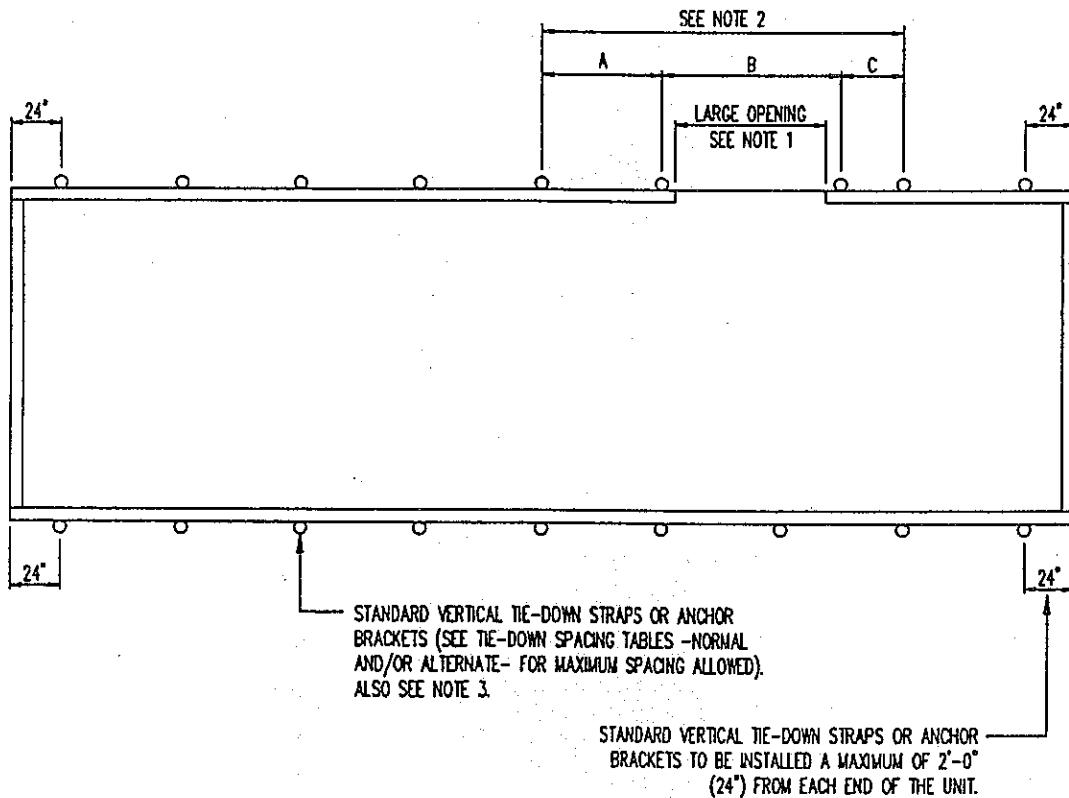
DRAWING TITLE:

184" WDE COL. TIE-DOWN APPL.

DRAWING NUMBER: AD-1D-0254

# ADDENDUM

## TYPICAL SINGLE WIDE TIE-DOWN PLACEMENT



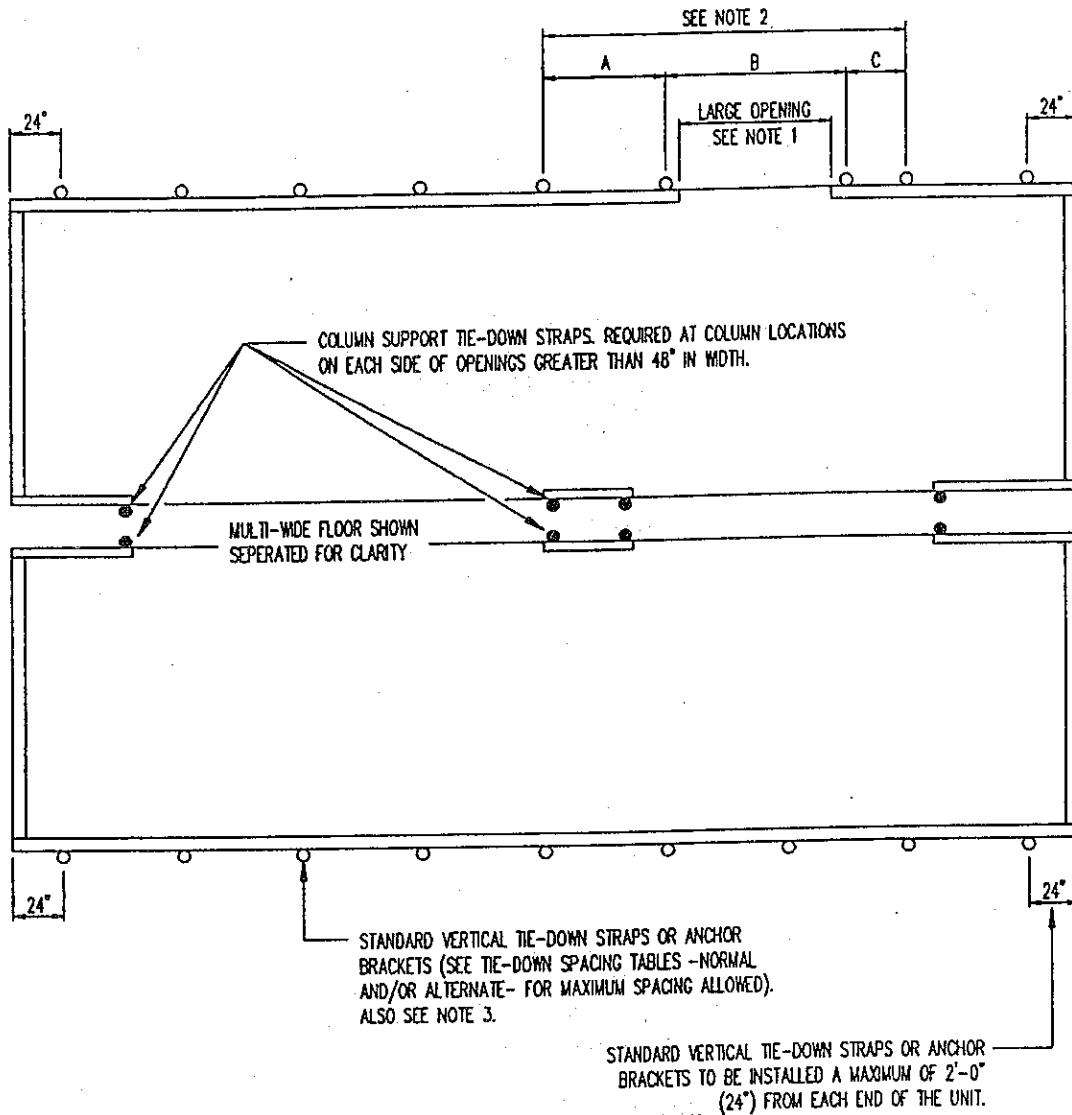
NOTES:

1. LARGE OPENING = ANY OPENING WIDER THAN MAX TIE-DOWN SPACING ALLOWED.
2. VERTICAL TIE-DOWNS MAY EXCEED THE STANDARD VERTICAL TIE-DOWN SPACING SO LONG AS, THE AVERAGE SPACING [ (A+B+C) / 3 ] DOES NOT EXCEED THE MAXIMUM TIE-DOWN SPACING REQUIRED ON THE APPROPRIATE VERTICAL/FRAME TIE-DOWN SPACING TABLES (SEE OTHER DETAILS).
3. INSTALL FRAME TIES AT ALL VERTICAL TIE-DOWN LOCATIONS.
4. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.

		<small>ENGINEER APPROVAL:</small> <b>ENE8703571</b>	<small>DAPIA APPROVAL:</small> <b>APPROVED BY</b>  <small>MANUFACTURED HOME INSTALLED ON SITE SAFETY STANDARDS</small>		
<b>STATE OF INDIANA</b> <b>PROFESSIONAL ENGINEERS</b>		<small>JUN 15 1995</small>			
<small>ANCHOR BRACKET AND TIE-DOWN DEVICES ARE CERTIFIED BY OTHERS</small>					
<b>JACOBSEN HOMES</b> <small>P.O. BOX 368 SAFETY HARBOR, FLORIDA 34695 PHONE (813) 726-1138</small>		<small>NOTICE:</small> <small>THESE SPECIFICATIONS AND DRAWINGS ARE ORIGINAL, PROPRIETARY, AND CONFIDENTIAL MATERIALS OF JACOBSEN MANUFACTURING INC. SUCH MATERIALS ARE PROVIDED TO THE RECIPIENT FOR SPECIFIC PURPOSES AND MUST BE KEPT CONFIDENTIAL AND SECRET FROM OTHERS.</small>	<small>DRAWN BY:</small> <b>C.L.Y.</b>	<small>DATE:</small> <b>5-31-95</b>	<small>REV. LETTER:</small> <b>A</b>
		<small>DRAWING TITLE:</small> <b>TYP. SINGLE WIDE T/D</b>			
		<small>DRAWING NUMBER:</small> <b>AD-TD-0300</b>			

# ADDENDUM

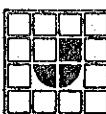
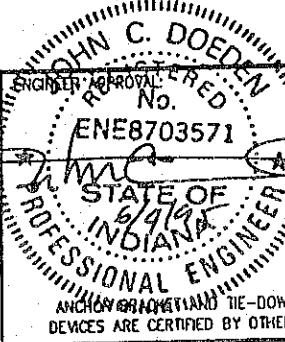
## TYPICAL MULTI-WIDE TIE-DOWN PLACEMENT



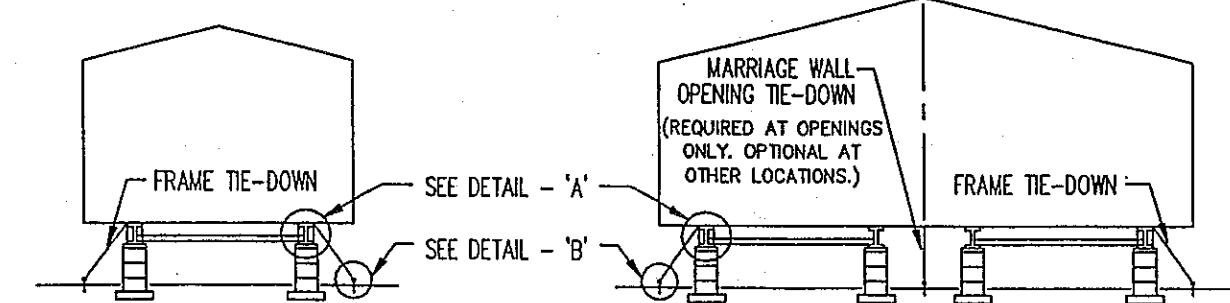
FOR TRIPLE WIDE AND LARGER UNIT DESIGNS, INSTALL  
ALL TIE-DOWN STRAPS AS SHOWN IN THIS DETAIL.

### NOTES:

1. LARGE OPENING = ANY OPENING WIDER THAN MAX. TIE-DOWN SPACING ALLOWED.
2. VERTICAL TIE-DOWNS MAY EXCEED THE STANDARD VERTICAL TIE-DOWN SPACING, SO LONG AS, THE AVERAGE SPACING [ (A+B+C) / 3 ] DOES NOT EXCEED THE MAXIMUM TIE-DOWN SPACING REQUIRED ON THE APPROPRIATE VERTICAL/FRAME TIE-DOWN SPACING TABLES (SEE OTHER DETAILS).
3. INSTALL FRAME TIES AT ALL VERTICAL TIE-DOWN LOCATIONS.
4. SEE AD-TD-0001 FOR ADDITIONAL REQUIREMENTS.

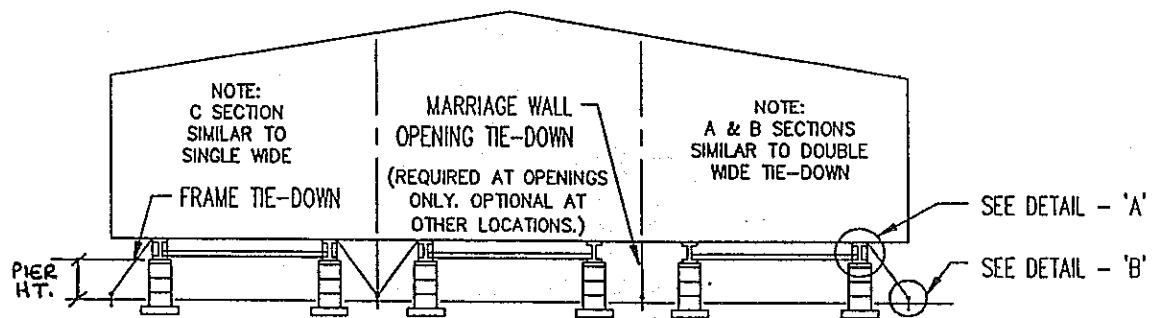
 <b>JACOBSEN HOMES</b> P.O. BOX 368 SAFETY HARBOR, FLORIDA 34695 PHONE (813) 726-1138	<b>NOTICE:</b> THESE SPECIFICATIONS AND DRAWINGS ARE ORIGINAL, PROPRIETARY, AND CONFIDENTIAL MATERIALS OF JACOBSEN MANUFACTURING INC. SUCH MATERIALS ARE PROVIDED TO THE RECIPIENT FOR SPECIFIC PURPOSES AND MUST BE KEPT CONFIDENTIAL AND SECRET FROM OTHERS.	ENGINEER APPROVAL NUMBER: ENE8703571  <b>APPROVED BY</b>  <small>FEDERAL MANUFACTURED HOME CONTRACTOR AND SAFETY STANDARDS</small> JUN 1 5 1995
DRAWN BY: C.I.Y. DATE: 6-1-95 DRAWING TITLE: TYP. MULTI-WIDE T/D DRAWING NUMBER: AD-TD-0310		REV. LETTER: A

## ZONE I TIE-DOWNS

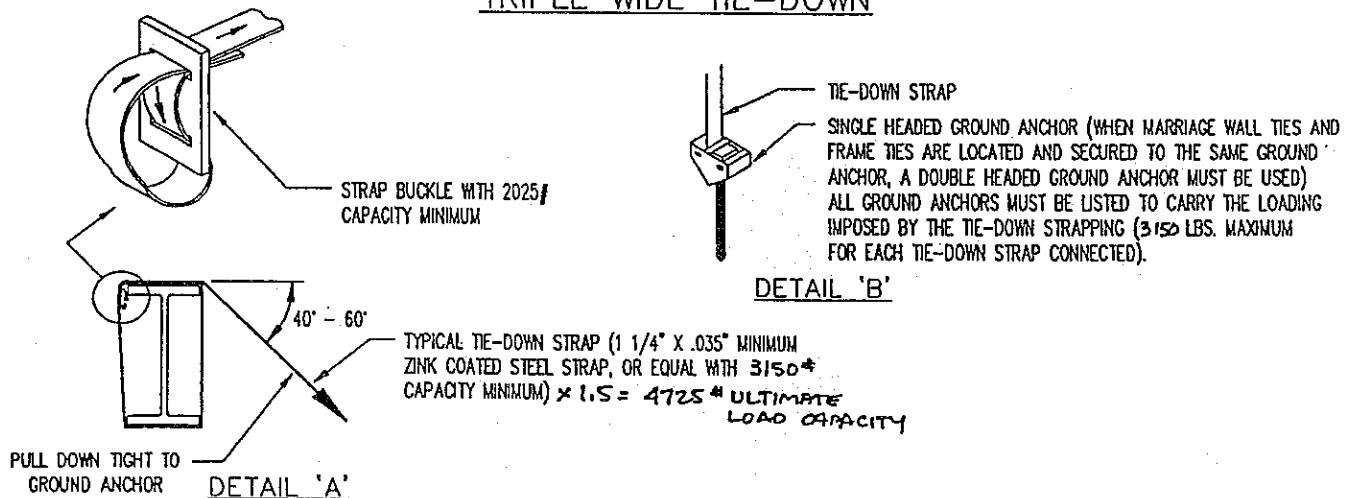


SINGLE WIDE TIE-DOWN

DOUBLE WIDE TIE-DOWN

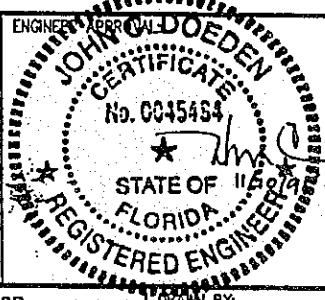


TRIPLE WIDE TIE-DOWN

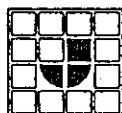


NOTES:

1. SEE DETAIL 'B' PAGE 4 FOR MARRIAGE WALL  
OPENINGS GREATER THAN 49 INCHES. & UP TO 17'-6" TRIBUTARY SPAN.
2. SEE TIE-DOWN SPACING CHART ON PAGE 2 FOR  
ANCHOR AND TIE-DOWN PLACEMENT.
3. SEE DETAIL 'A' PAGE FOR TYPICAL I-BEAM  
PIER CONSTRUCTION.



DAPIA APPROVAL:



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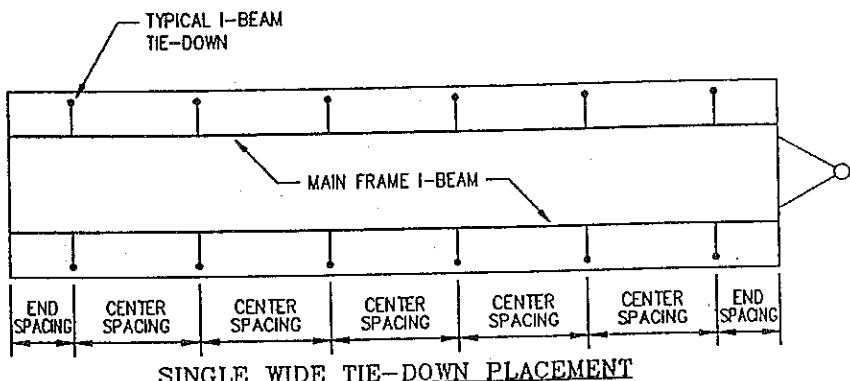
DRAWN BY:	RR	DATE:	10-31-95
DRAWING TITLE:	ZONE I TIE-DOWNS	REV. LETTER:	
DRAWING NUMBER:	AD-Z1-0001		

## ZONE 1 TIE-DOWN SPACING CHART

TIE-DOWN SPACING (MAX I-BEAM PIER HEIGHT 33")*				
SECTION WIDTH	I-BEAM SPACING	SIDE OVERHANG	MAX CENTER SPACING	MAX END SPACING
14' (166")	95"	0"	10'-10"	2'-0"
14' (160")	95"	6"	10'-3"	2'-0"
12'	95"	13"	8'-4"	2'-0"
12'	82"	0"	9'-11"	2'-0"
12'	82"	13"	9'-11"	2'-0"
12'	75"	0"	10'-8"	2'-0"
12'	75"	13"	10'-8"	2'-0"

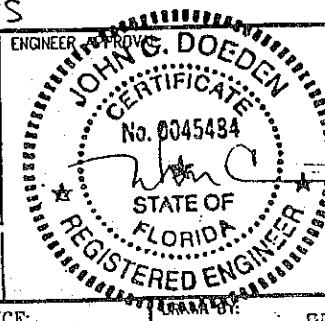
TIE-DOWN SPACING (MAX I-BEAM PIER HEIGHT 48")*				
SECTION WIDTH	I-BEAM SPACING	SIDE OVERHANG	MAX CENTER SPACING	MAX END SPACING
14' (166")	95"	0"	8'-11"	2'-0"
14' (160")	95"	6"	8'-4"	2'-0"
12'	95"	13"	6'-8"	2'-0"
12'	82"	0"	8'-0"	2'-0"
12'	82"	13"	8'-0"	2'-0"
12'	75"	0"	8'-8"	2'-0"
12'	75"	13"	8'-8"	2'-0"



### SINGLEWIDES & DOUBLEWIDES

#### NOTES:

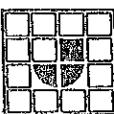
1. TIE-DOWN ANCHORS MUST BE PLACED INSIDE THE OUTLINE OF THE EXTERIOR WALLS OF THE HOME.
2. THE ANGLE BETWEEN THE TIE-DOWN STRAP AND THE GROUND MUST BE BETWEEN 40° AND 50° FOR PIERS UP TO 33 INCHES HIGH, AND NOT GREATER THAN 60° FOR PIERS UP TO 48 INCHES HIGH, UNLESS OTHERWISE SPECIFIED.



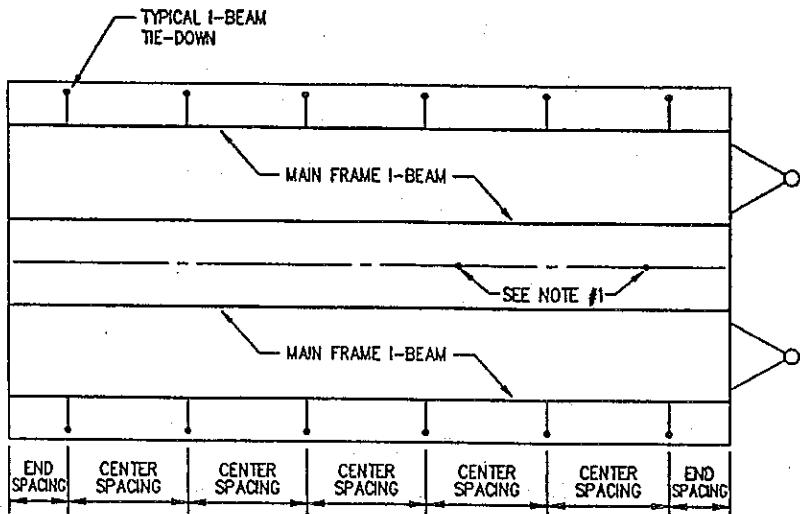
DAMA APPROVAL:

APPROVED BY

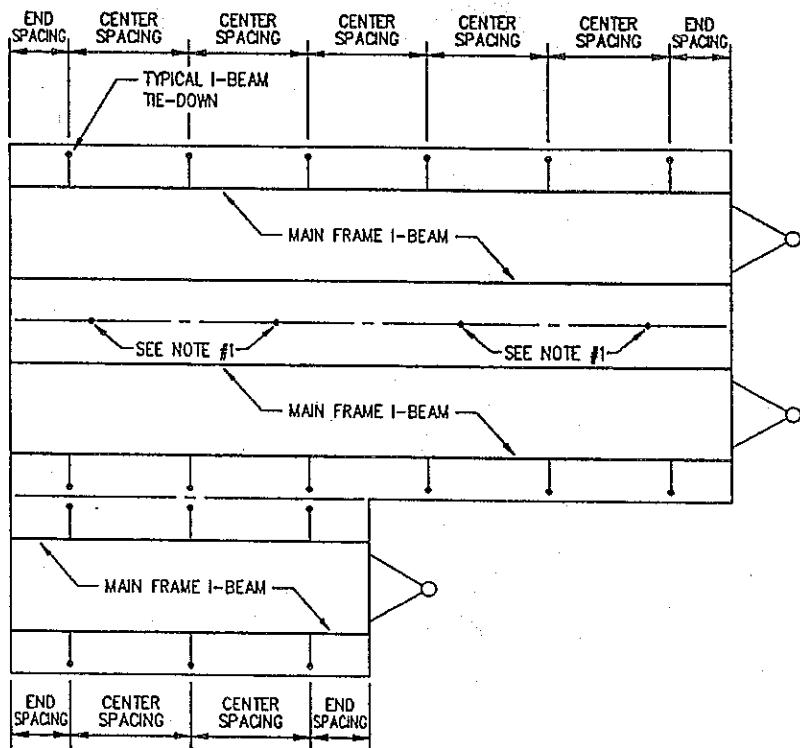


 <b>JACOBSEN HOMES</b> P.O. BOX 368 SAFETY HARBOR, FLORIDA 34695 PHONE (813) 726-1138	NOTICE:	DRAWING BY: RR DATE: 10-31-95 REV. LETTER:  DRAWING TITLE: TIE-DOWN SPACING DRAWING NUMBER: AD-Z1-0010
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## ZONE I TIE-DOWN PLACEMENT



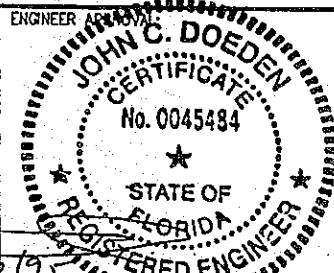
### DOUBLE WIDE TIE-DOWN PLACEMENT



### TRIPLE WIDE TIE-DOWN PLACEMENT

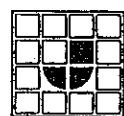
#### NOTES:

- SEE DETAIL 'B' PAGE 4 FOR BLOCKING AND ANCHORING OF MARRIAGE WALL OPENINGS WIDER THAN 49 INCHES.



DAPIA APPROVAL:

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RR	DATE: 10-31-95	REV. LETTER:
DRAWING TITLE: TIE-DOWN PLACEMENT		
DRAWING NUMBER: AD-Z1-0020		

## ZONE 1 INSTALLATIONS

1. FOR HOMES LOCATED IN ZONE 1, FOLLOW THE MANUFACTURER'S ZONE 2 INSTALLATION INSTRUCTIONS FOR THE INSTALLATION OF LONGITUDINAL ANCHORS.
2. FOR HOMES LOCATED IN ZONE 1 ONLY, FOLLOW THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE INSTALLATION OF SHINGLES AND/OR LAP SIDING. FOR ALL OTHER WIND ZONES REFER TO DETAILS IN THE SET-UP MANUAL AND/OR THIS ADDENDUM.

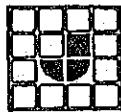
NOTES:

DAPIA APPROVAL:

APPROVED BY

KCV.

FEB 01 2000



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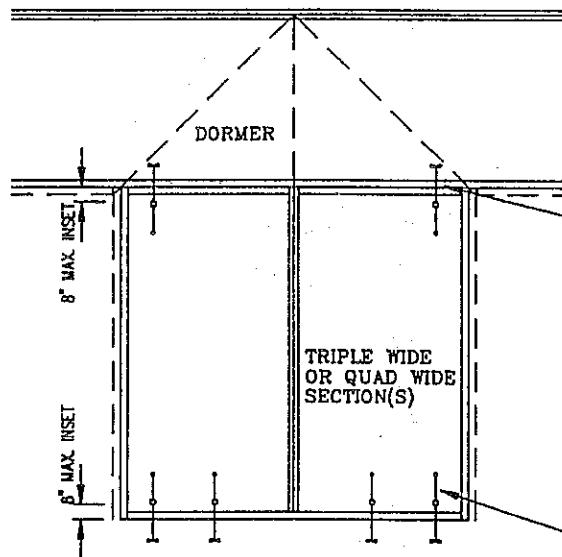
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DRAWN BY:	M.T.	DATE:	2-1-00	REV. LETTER:
DRAWING TITLE:	ZONE 1 INST.			A
DRAWING NUMBER:	AD-Z1-0100			

ADDENDUM  
FOR INTERSECTING UNITS

MAIN UNIT



LONGITUDINAL TIES ONLY REQUIRED @ EA. HALF OUTSIDE BEAM THIS END, EXCEPT FOR ZONE 3 EXP. 'D' THEN 2 REQUIRED EA. HALF (IE. ONE EA. BEAM, ETC...)

VERTICAL AND DIAGONAL TIES INSTALLED ALONG THE SIDEWALLS SAME AS THE MAIN UNIT.

VERTICAL TIES AT CENTER LINE REQUIRED ONLY AT COLUMN SUPPORTS PER DOUBLE WIDE CONNECTION REQUIREMENTS.

24" MAXIMUM SPACING TO FIRST SIDEWALL TIE FROM EACH END OF THE UNIT (SAME AS TYP. DOUBLE WIDE TIE-DOWN REQUIREMENTS).

2 LONGITUDINAL TIES REQUIRED AT EACH HALF THIS END ONLY.

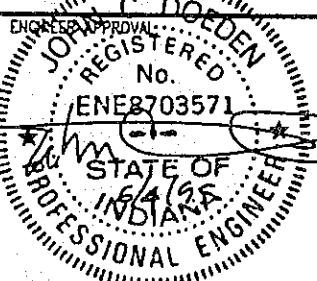
MAXIMUM PIER HEIGHT FOR VARIOUS ZONES  
(REFER ALSO TO SIDEWALL TIE-DOWNS MAXIMUM HEIGHT):

	ZONE 2	ZONE 3
EXPOSURE 'C'	90"	56"
EXPOSURE 'D'	39"	46"

CONNECT THE TRIPLE WIDE OR QUAD. WIDE SECTION(S) TO THE DORMER AND MAIN UNIT PER DOUBLE WIDE MARRIAGE LINE DETAILS AS OUTLINED IN THE SET-UP MANUAL (EXCEPTION: NAILING ONLY IS REQUIRED AT FLOOR CONNECTION, NO STRAPS ARE REQUIRED TO BE INSTALLED ACROSS THE FLOOR CONNECTION AT THIS AREA.)

NOTES:

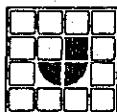
1. FOR QUAD SECTIONS, EACH 'DOUBLE SECTION' OF THE UNIT SHALL BE DESIGNED INDEPENDENT OF THE OTHER STRUCTURE. (IE. SHEARWALLS, TIE-DOWNS, RIDGE-BEAMS, COLUMN SUPPORTS, ETC... ARE CALCULATED FOR EACH MULTI-SECTION.)



DAPIA APPROVAL:

APPROVED BY *[Signature]*

JUN 15 1985



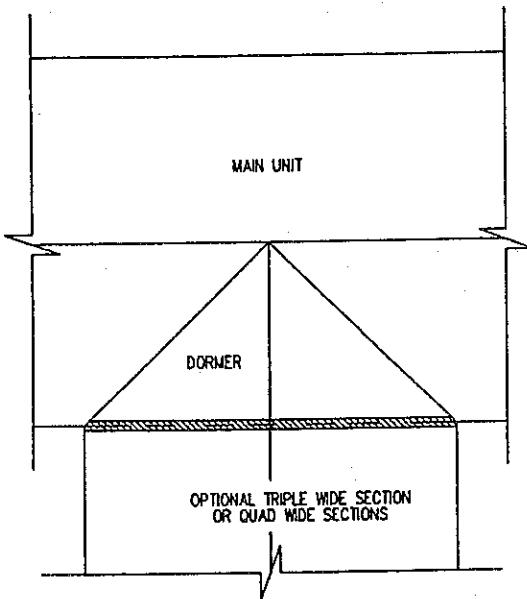
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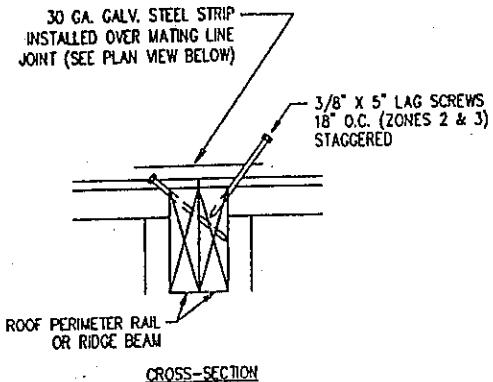
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DRAWN BY:	C.L.Y.	DATE:	5-16-95
DRAWING TITLE:	ADDENDUM - INT. UNITS		
DRAWING NUMBER:	QUADADD1		

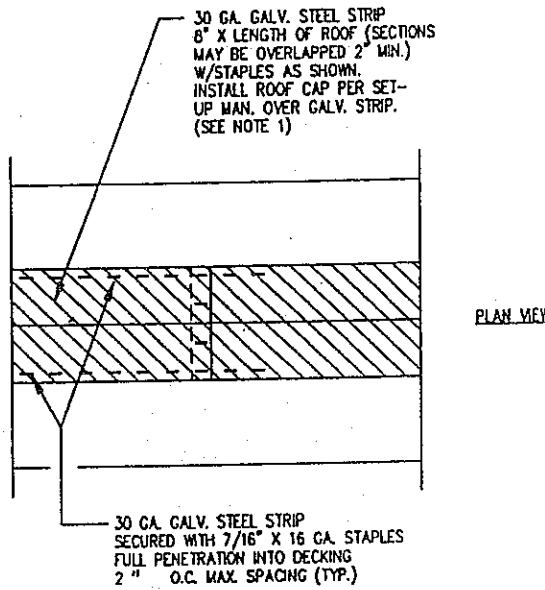
# ALT. ROOF ASSEMBLY FOR MULTI-WIDES



CENTERLINE CONNECTION FOR QUAD UNITS IS THE SAME AS FOR THE MAIN UNIT (REFER TO SET-UP DETAILS).



CROSS-SECTION



## NOTES:

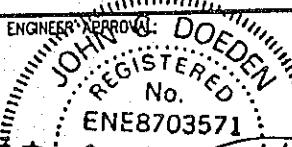
1. 30 GA. GALV. STRIPS USED MAY BE WIND DEFLECTORS REMOVED FROM ROOF IN ORIGINAL CONDITION (EXCEPT FOR STAPLE HOLES). STEEL STRIP MAY BE CONTINUOUS OR PIECED.
2. SHINGLES IN THE DORMER AREA OF THE MAIN UNIT MAY BE SHIPPED LOOSE AND INSTALLED ON SITE AFTER THE UNITS HAVE BEEN ATTACHED TO PREVENT ANY TRANSIT DAMAGE AND TO ENSURE THE SHINGLES LINE-UP FROM ONE SECTION TO THE NEXT.



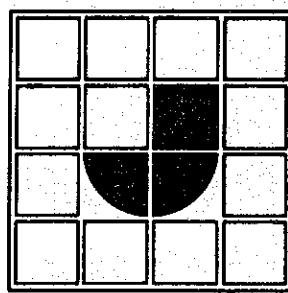
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DRAWN BY:	C.L.Y.	DATE:	5-16-95	REV. LETTER:
DRAWING TITLE:	ALT. ROOF ASSEMBLY			
DRAWING NUMBER:	QUADADD2			



JACOBSEN  
HOMES

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