

LAMINATED WOOD ARCHES SHELTER SETUP INSTRUCTIONS

A strong foundation wall will make a strong shelter.

—going cheap here will cost you later.

A level site is best.

- A 6x6 treated post or railroad tie can be used on 26-38 wide shelters.

- On 40-44 wide shelters use 6x8 or 8x8 posts, depending on height of the wall.

1. A layout site (setup measurement width is outside to outside. Length is center to center.) See figure 1

2. Fill postholes with crushed rock.

-Post should be buried 4 ft, on wider shelters and on a higher wall post should be buried deeper.

3. Cut 1 3/4" wide by 6" deep slot on top of post. See figure 2

4. Nail 2x6 backer board to the outside of wall behind groove the whole length of wall. See figure 3

5. On rope tie shelter attach 2x6 tie board 24" from top of post using 5 inch long x 3/8" leg bolts.

- If you are using ratches attach them 24" from the top of the post.

ASSEMBLING RAFTERS

6. The rafter will be in two halves, a right and left. Lay out with top together and tails at width, measured at outside points. Nail top using 1x6x4 plate one on each side. Making a jig out of 2x4 will speed assembly. A smoothly plane rafter is used as first rafter on each end.

7. Rafters are then set into the pockets. They can be nailed or bolted using 3/8" x 6 1/2" long bolts.

8. Perlins (2-4,s) are nailed or screwed to the under side of rafter at about 8 ft spacing between them. Can also be placed in between allowing a 1 to 2 inch drop below top of rafter.

-Perlins needed for a 26' and 30' shelter are 4 rows for a 36', 38" are 6 rows for 40', 44' are 8 rows

- More perlins may be added if you wish to. In high wind and high snow load areas this may be required for added strength.

-Add on ends between 1st and 2nd rafters. Halfway between the perlins that run the length of shelter; add a short piece of perlin, these will help keep rafter straight when tightening tarp.

PULLING TARP

Do not attempt to pull tarp in a wind greater than 5 mph. No way, absolutely not, don't even dream about it. Repairs can be very expensive.

9. Make sure the tape on the rafters is in good shape, you may repair with duct tape.

10. Throw ropes over about every 20 feet, lay tarp out next to shelter top down.

-Tie short piece of rope to tie board and near side of tarp

-Long ropes are tied to tarp side you are pulling over

****WATCH FOR SNAGS****

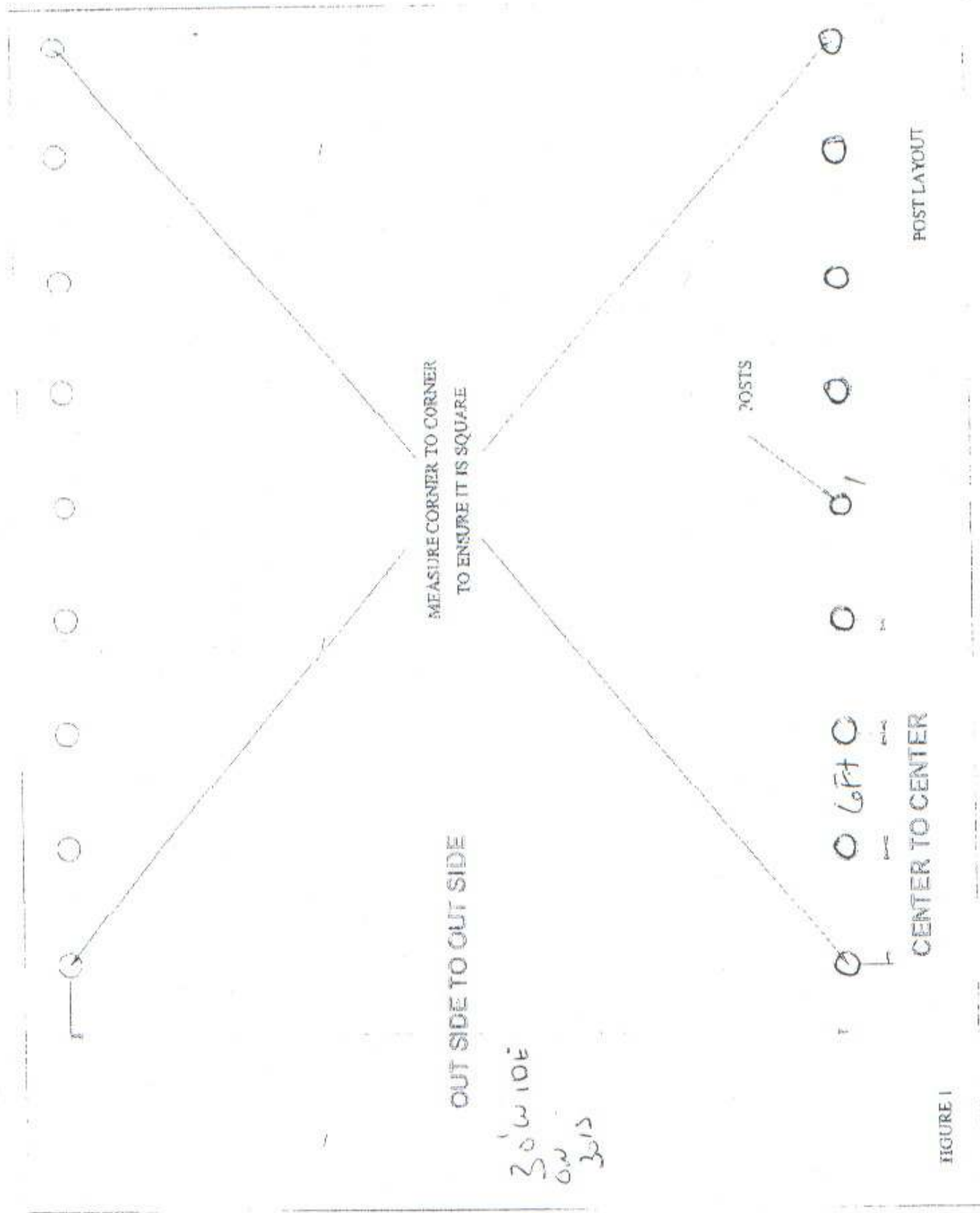
11. When tarp is pulled over even it out, side to side, and end to end, tie it off temporarily to hold it when you are tightening ends.

-When tarp is tight end to end (see figure 4) you can lace or ratchet sides tight.

-Retighten in about 10 days, the warmer the better.

12. Ratchet drawstring tight.

If you have any problems putting up the shelter you may contact your sales rep or Silver Stream @1-877-547-4738



MEASURE CORNER TO CORNER
TO ENSURE IT IS SQUARE

OUT SIDE TO OUT SIDE

30' WIDE
30' H

POSTS

CENTER TO CENTER
6 FT

POST LAYOUT

FIGURE 1

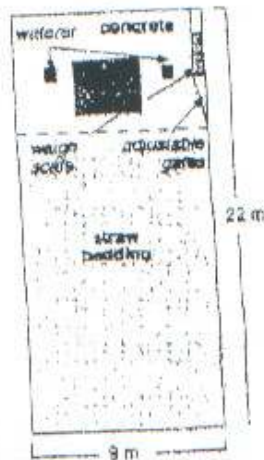
Homing in on BioTech's hog housing

These uninsulated hog barns cost about one-third of conventional barns to erect. Research shows the BioTech hog shelter is a viable, year-round way to raise market hogs.

In winter, curtains or hay bales shelter each end of the barn, but at least 0.9 m of space needs to be open at the top for ventilation.



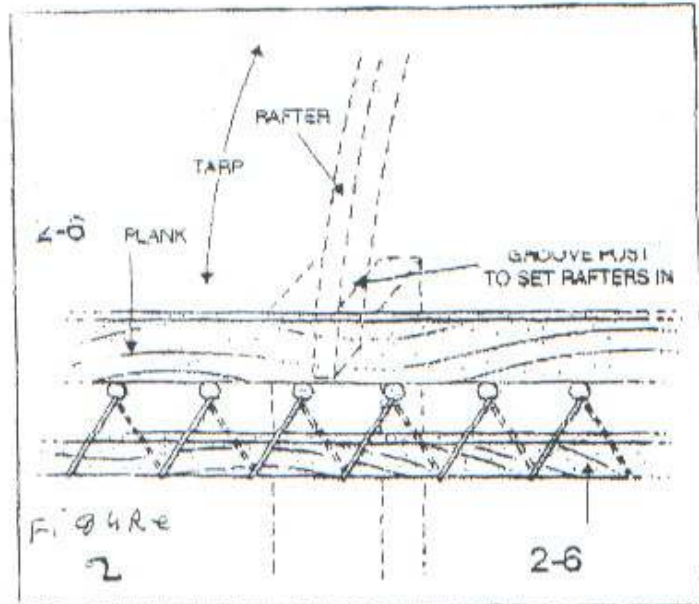
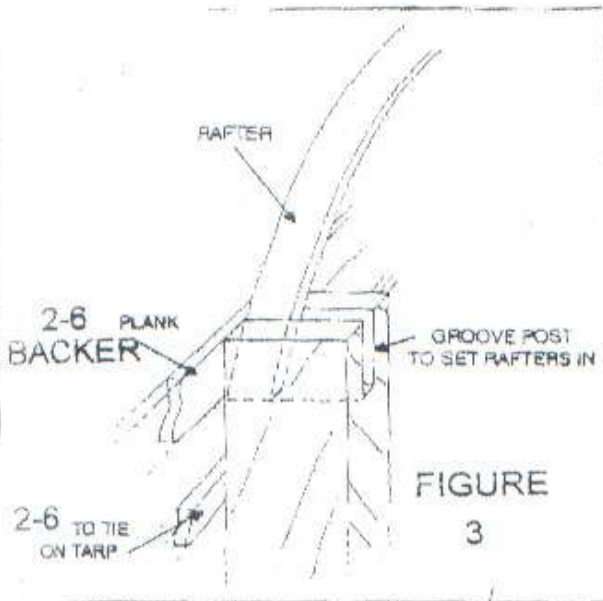
floor plan:

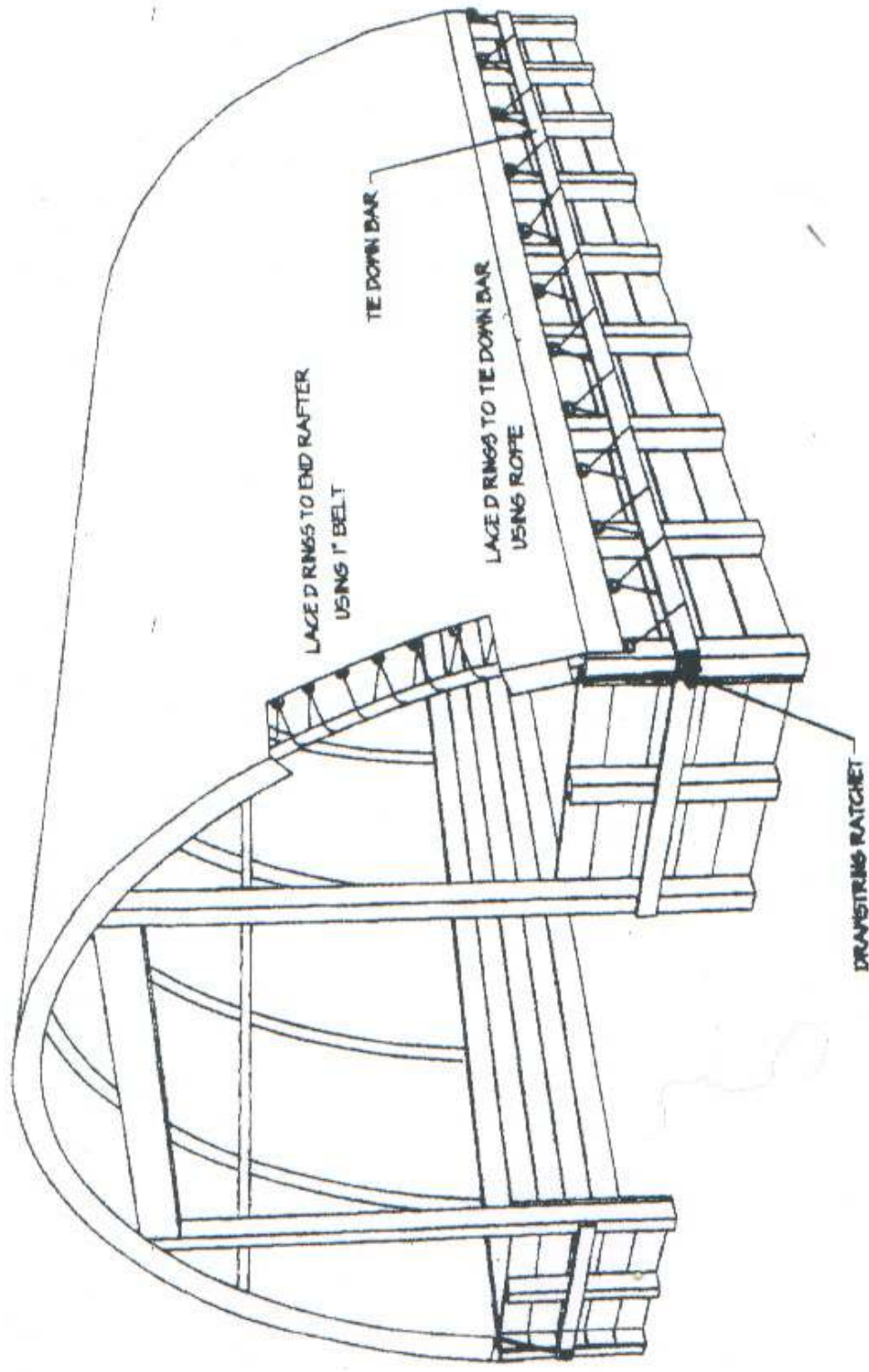


Groups of up to 180 weanings raised in a BioTech shelter are just as healthy and have comparable feed conversions and carcasses to weanings raised indoors.

Source: University of Manitoba

NR graphic by Michelle Fitz





LACE D RINGS TO END RAFTER
USING 1" BELT

TE DOWN BAR

LACE D RINGS TO TE DOWN BAR
USING ROPE

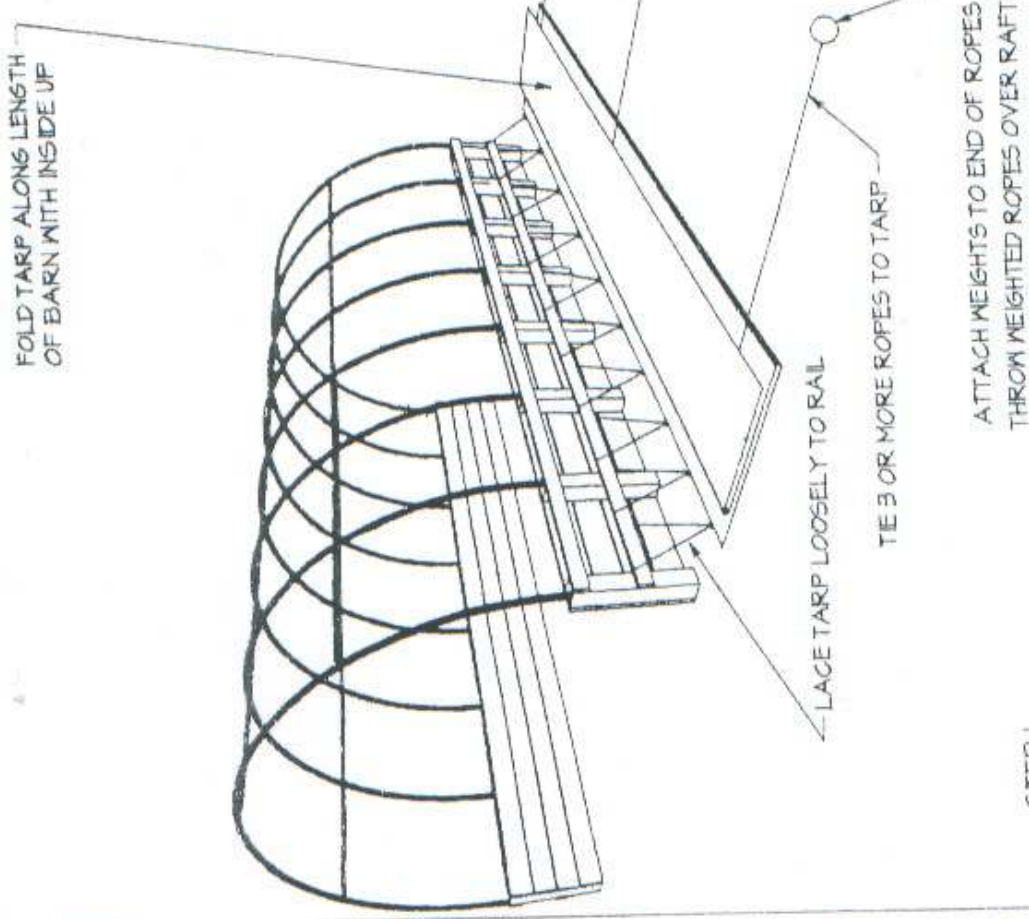
DRAGSTRING RATCHET

FOLD TARP ALONG LENGTH
OF BARN WITH INSIDE UP

PULL TARP OVER RAFTERS
USING WEIGHTED ROPES



STEP 2

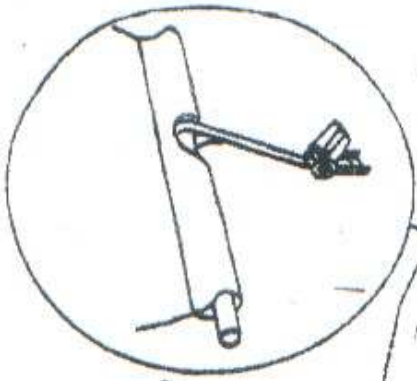


LACE TARP LOOSELY TO RAIL

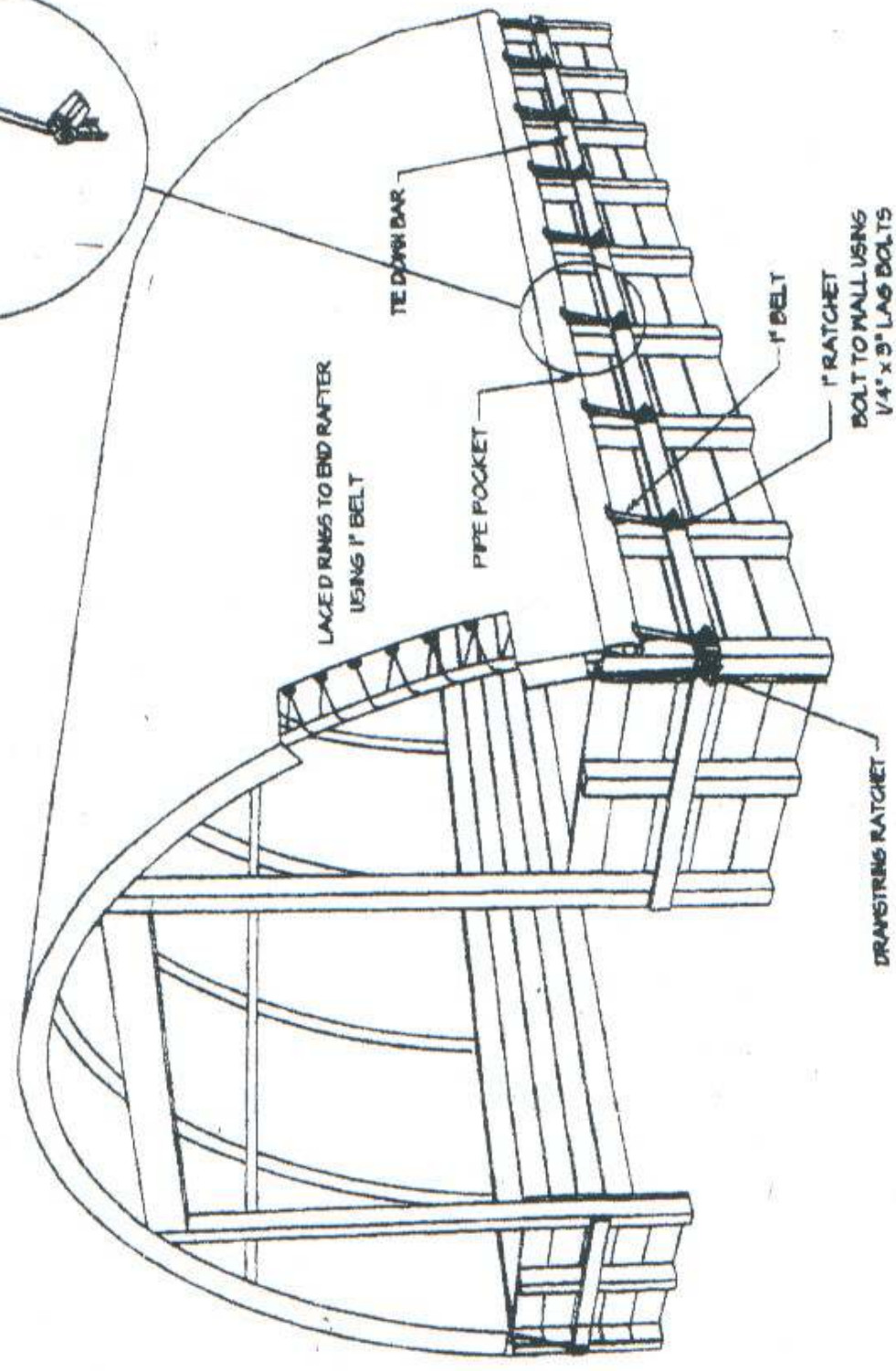
TIE 3 OR MORE ROPES TO TARP

ATTACH WEIGHTS TO END OF ROPES
THROW WEIGHTED ROPES OVER RAFTER

STEP 1



LOOP BELT AROUND PIPE
 BRING BACK TO RATCHET
 USE RATCHET TO TIGHTEN TARP



PIPE & RATCHET TE DOWN

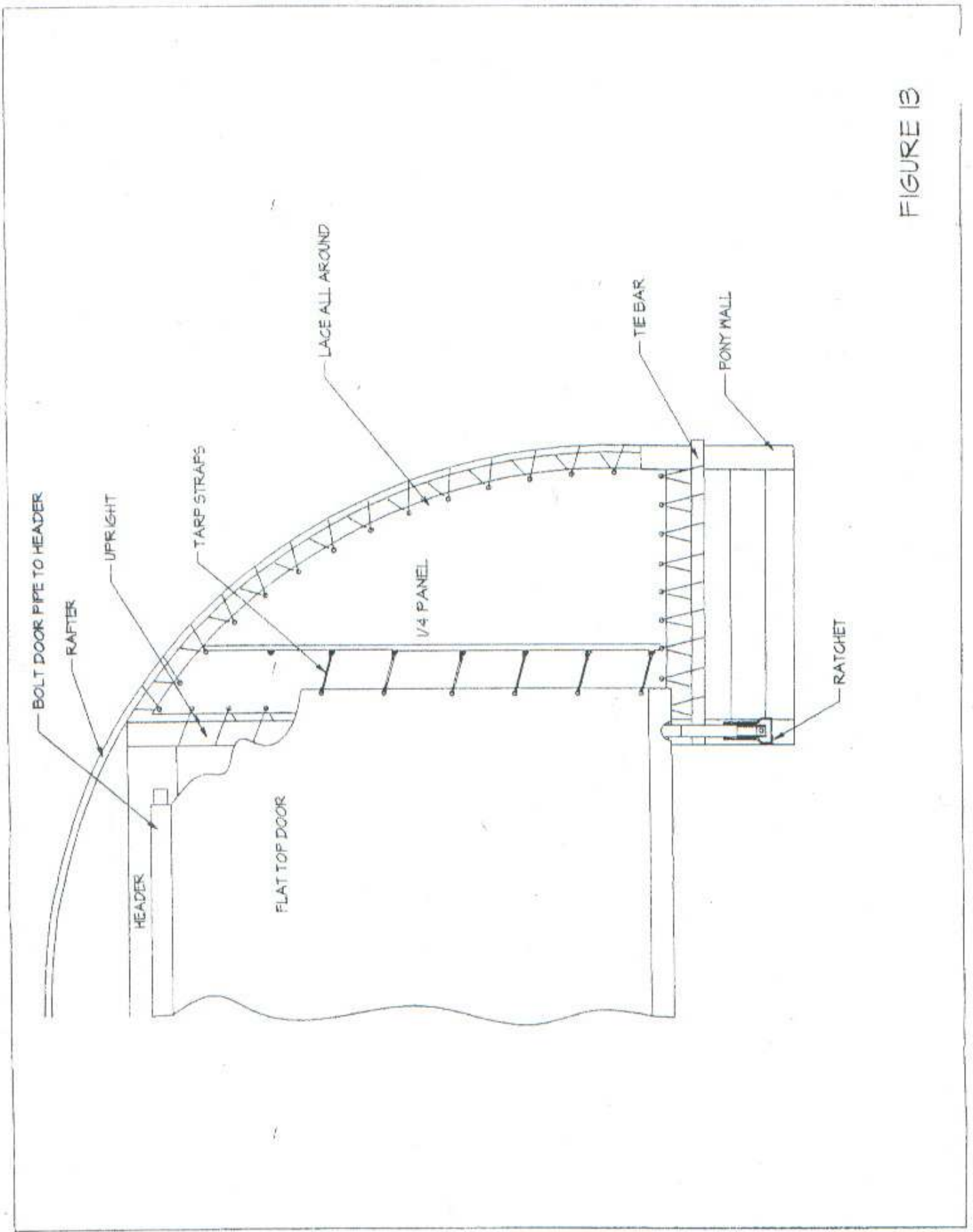


FIGURE 13

