

NOTICE

This tower has bowed legs.

The dimensions given may are may not fit your situation.

The dimensions given are to be used as a starting point only.

Shown is a 6 ft. mill It can be adapted to an 8 ft. mill. (the tower will be taller and the width of the tower at the platform will be wider)

This plan makes a nice looking tower for 26 ft. long legs.

Depending on the amount of bend you can get in the legs will determine the base of the tower. (If you are going to haul it anywhere to put it up, check with the state on maximum width. Texas is 8 foot 6 inches)

The plan calls for 5X5 timbers. A full cut 4X4 will hold up a 6 or 8 foot mill. 3 1/2 X3 1/2 from the lumber yard will not.

A longer pump rod may be needed because of the small amount of clearance at the top of the legs.

I and most commercial windmillers are now welding the towers down to steel plates.

This saves a bundle of cash on crane time.

The holes can be dug and the plate anchors set before the crane ever comes.

There is no tedious measuring.

If the plates are level with each other then the mill will be level.

I have included a drawing off what I recommend for anchors.

Be sure to attach the angle iron to the inside of the leg so that the tower can be taken down.

AERMOTOR BOWED TOWER

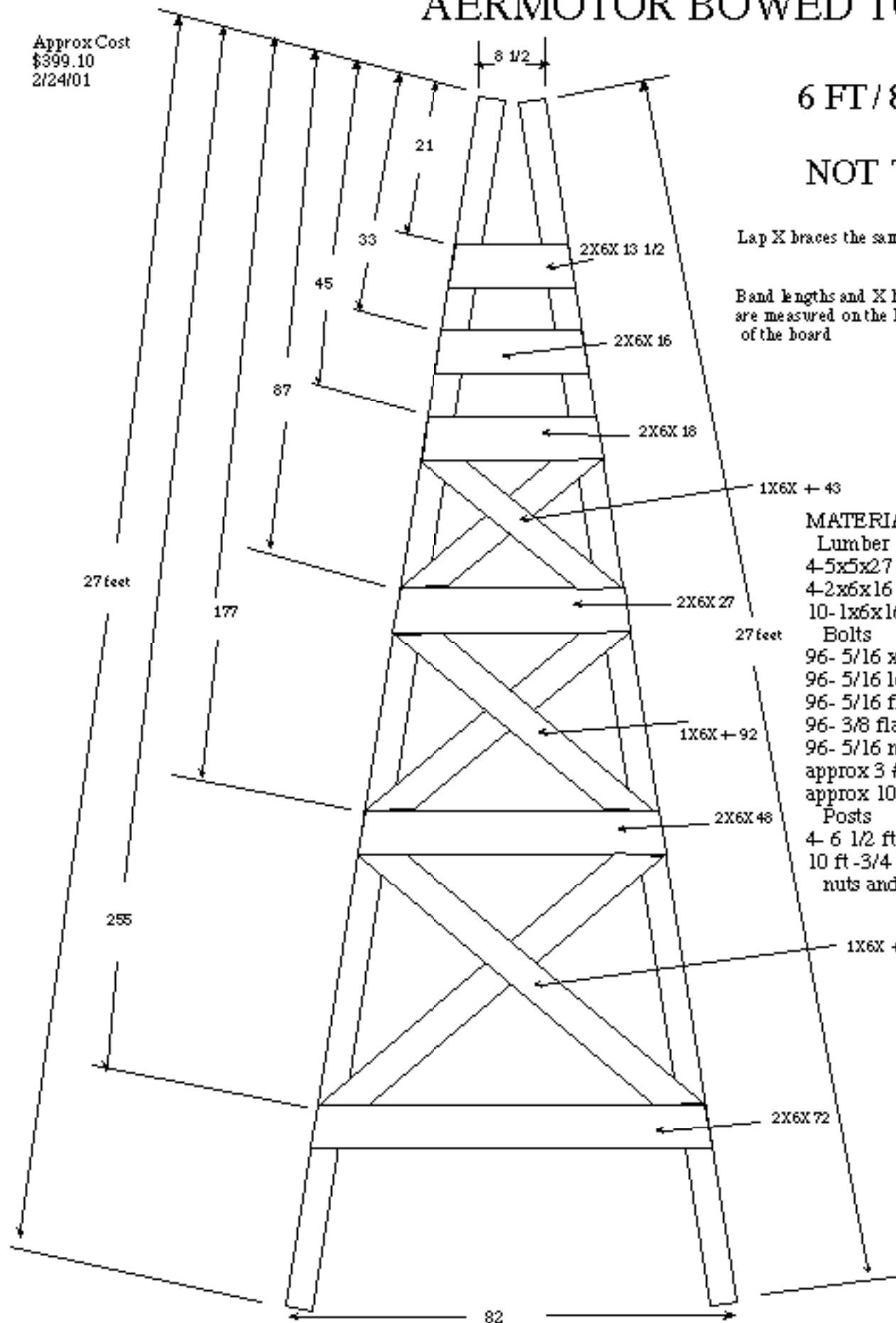
Approx Cost
\$399.10
2/24/01

6 FT / 8 FT

NOT TO SCALE

Lap X braces the same around the tower

Band lengths and X brace lengths
are measured on the long side
of the board



MATERIAL LIST

Lumber

4-5x5x27 feet
4-2x6x16 feet
10-1x6x16 feet

Bolts

96- 5/16 x 8 carriage bolts
96- 5/16 lock washers
96- 5/16 flat washers
96- 3/8 flat washers
96- 5/16 nuts
approx 3 # 4" screws
approx 10 # 3 1/2" screws

Posts

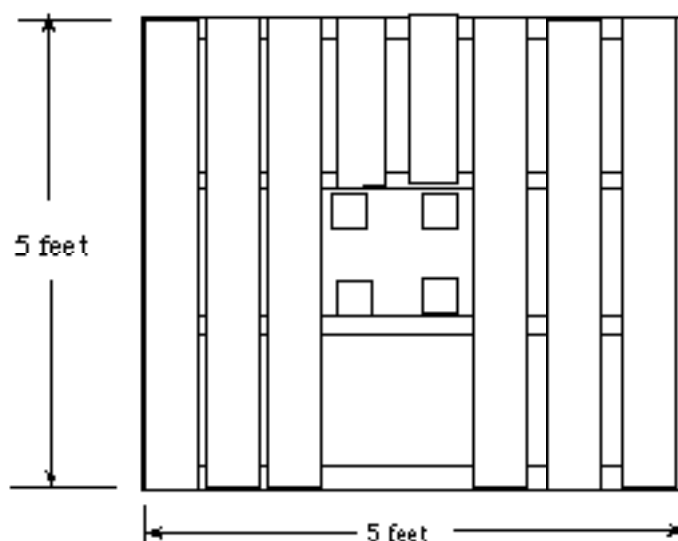
4- 6 1/2 ft 4 in top cedar po
10 ft - 3/4 in all thread w/ 1/2
nuts and washers

Platform and stub placement for Aermotor stub

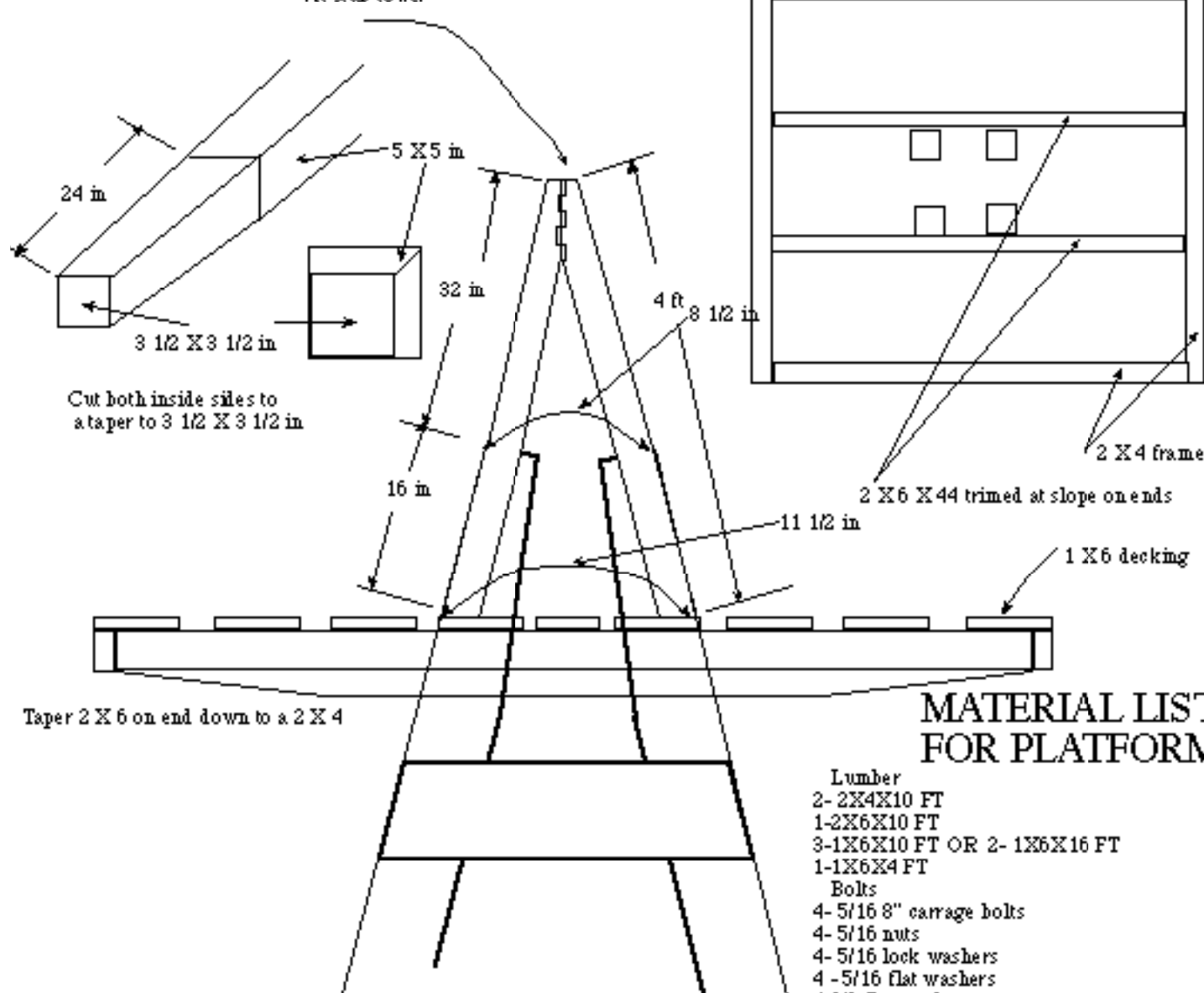
Bolt on stub with all thread with nut on inside
(4 per leg)

Pump rod must be cut and made longer
for access to the pump pole adaptor

Aermotor stub does not have to be bent
BUT other stubs will have to be bent



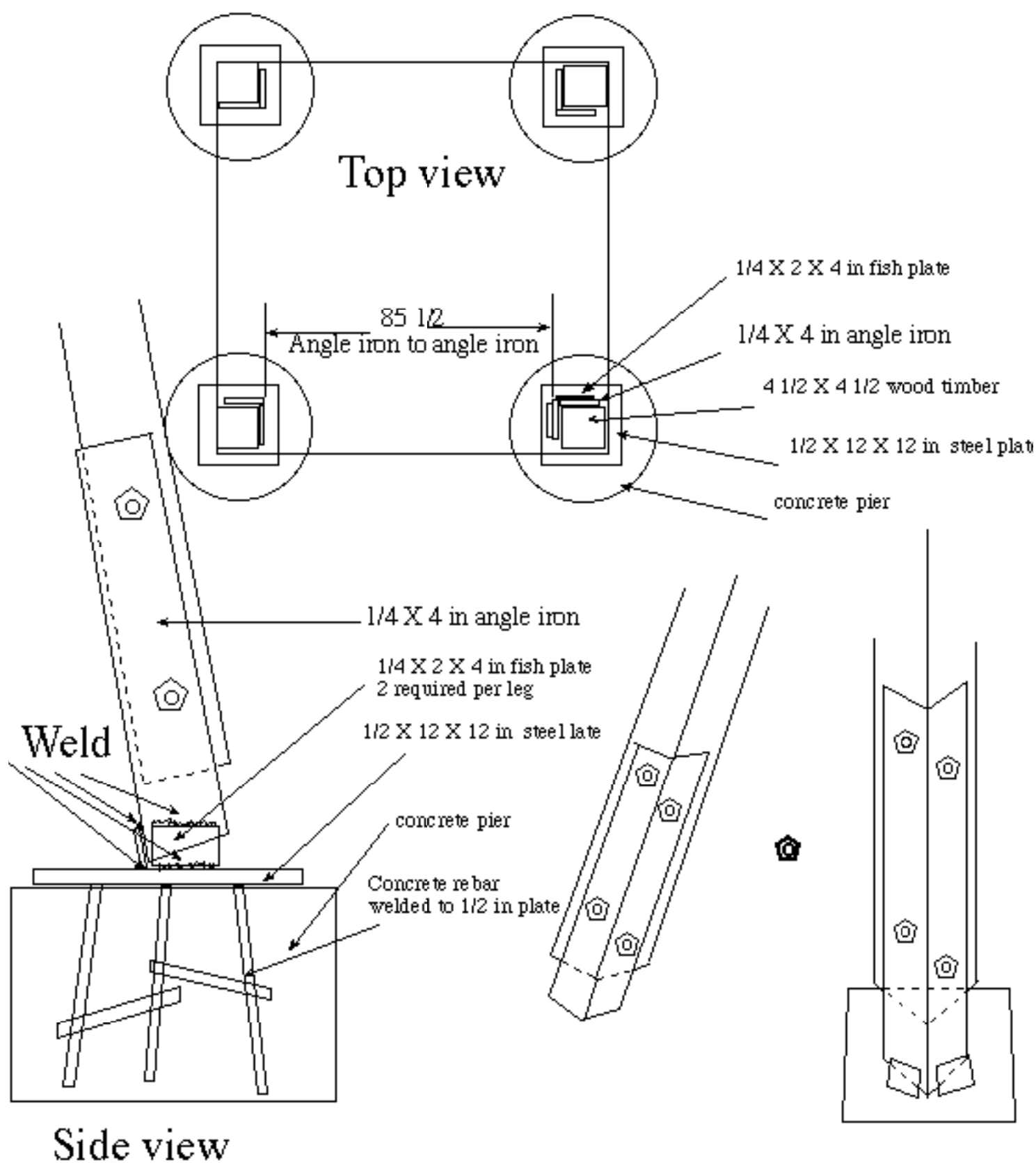
Standard 6 ft/ 8 ft Aermotor
4 ft stub tower



MATERIAL LIST FOR PLATFORM

Lumber
2- 2X4X10 FT
1-2X6X10 FT
3-1X6X10 FT OR 2- 1X6X16 FT
1-1X6X4 FT
Bolts
4- 5/16 8" carriage bolts
4- 5/16 nuts
4- 5/16 lock washers
4 - 5/16 flat washers
4 3/8 flat washers
approx 2# 3 1/2 in screws
approx 1/2# 4 in screws

Stub
10 ft- 3/8 in all thread w/ 16 nuts and washers



Enlarged top view of one leg

