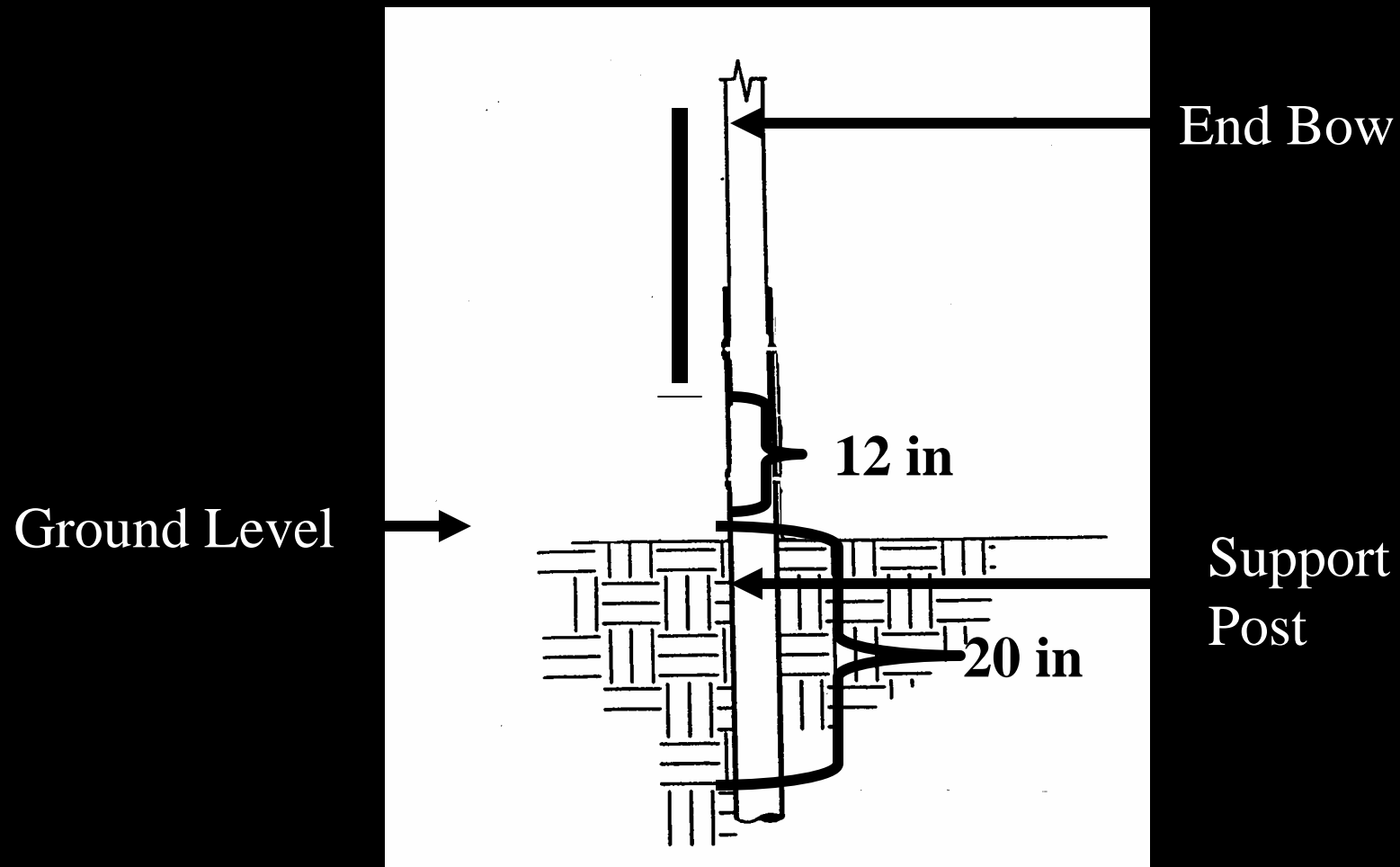


Construction

- Select site that is flat with minimal weed problems
- Orient so prevailing winds are perpendicular to sides of tunnel.
- Detailed information available at:

[http://plasticulture.cas.psu.edu/
Design_construction.pdf](http://plasticulture.cas.psu.edu/Design_construction.pdf)

First, sink support posts (supplied by manufacturer). This depth is for tunnels 14-17' wide. Wider tunnels need longer posts sunk deeper.



Lamont, et al. 2002. Design and Construction of the Penn State High Tunnel. HortTechnology

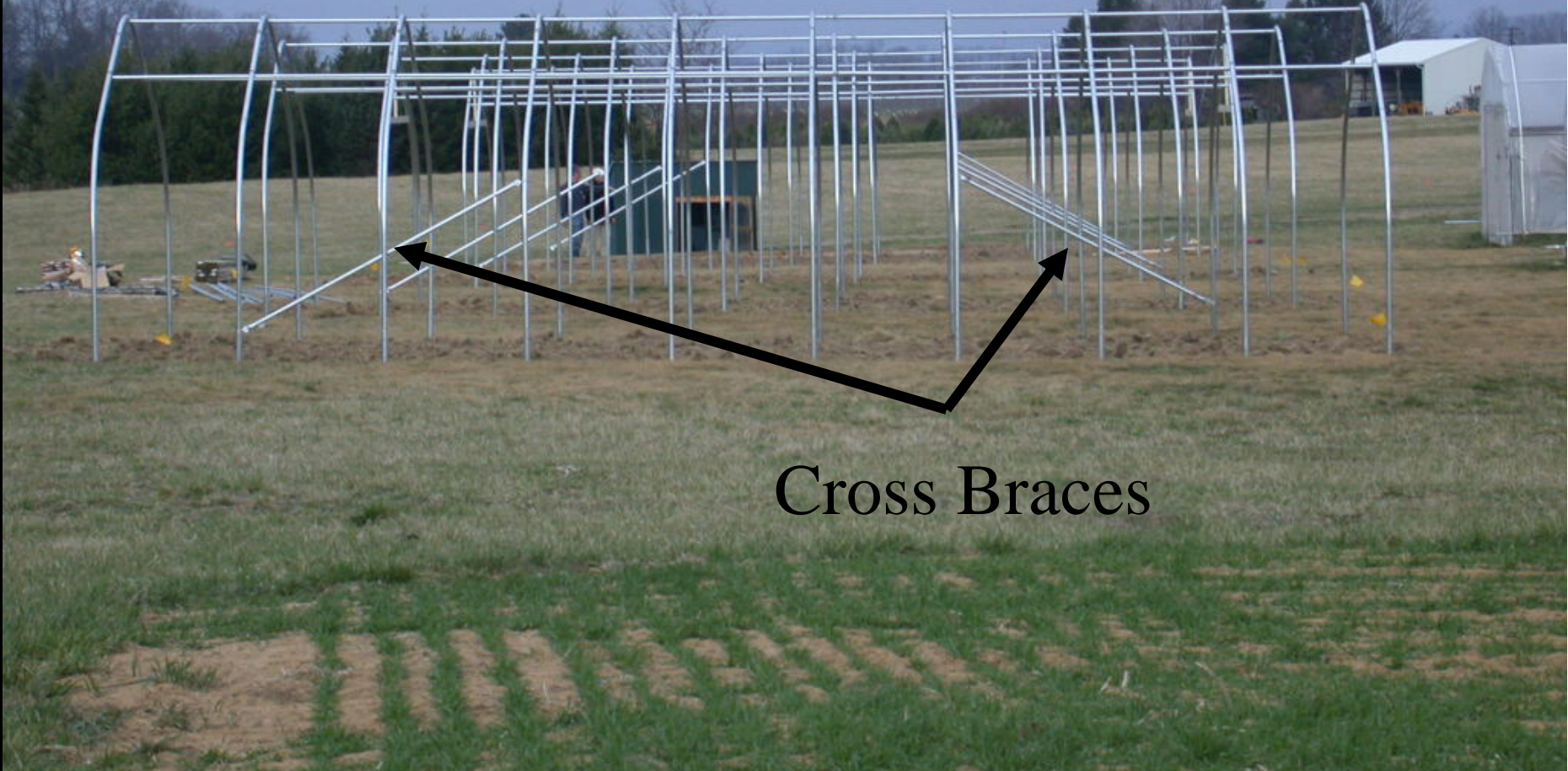
Assemble bows and insert into support posts
Bolt on purlins.



Bow

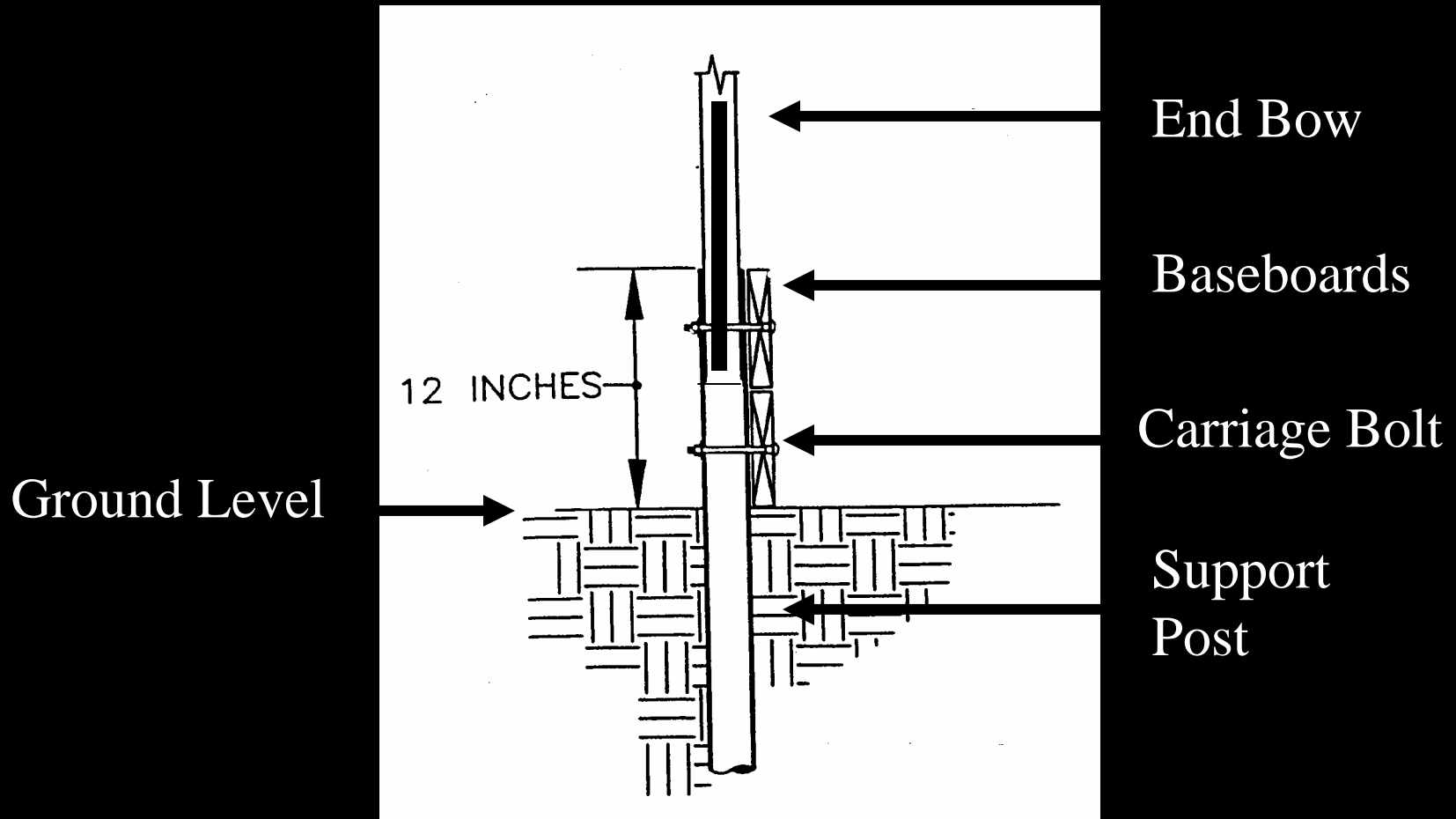
Purlins

Bolt on cross braces



Cross Braces

Attach baseboards



Lamont, et al. 2002. Design and Construction of the Penn State High Tunnel. HortTechnology.

Attach hipboard and double rail track to hipboard



Construct and attach T-frame.



Pipe Conduit

Mending Plate



Cover with plastic (6-mil).

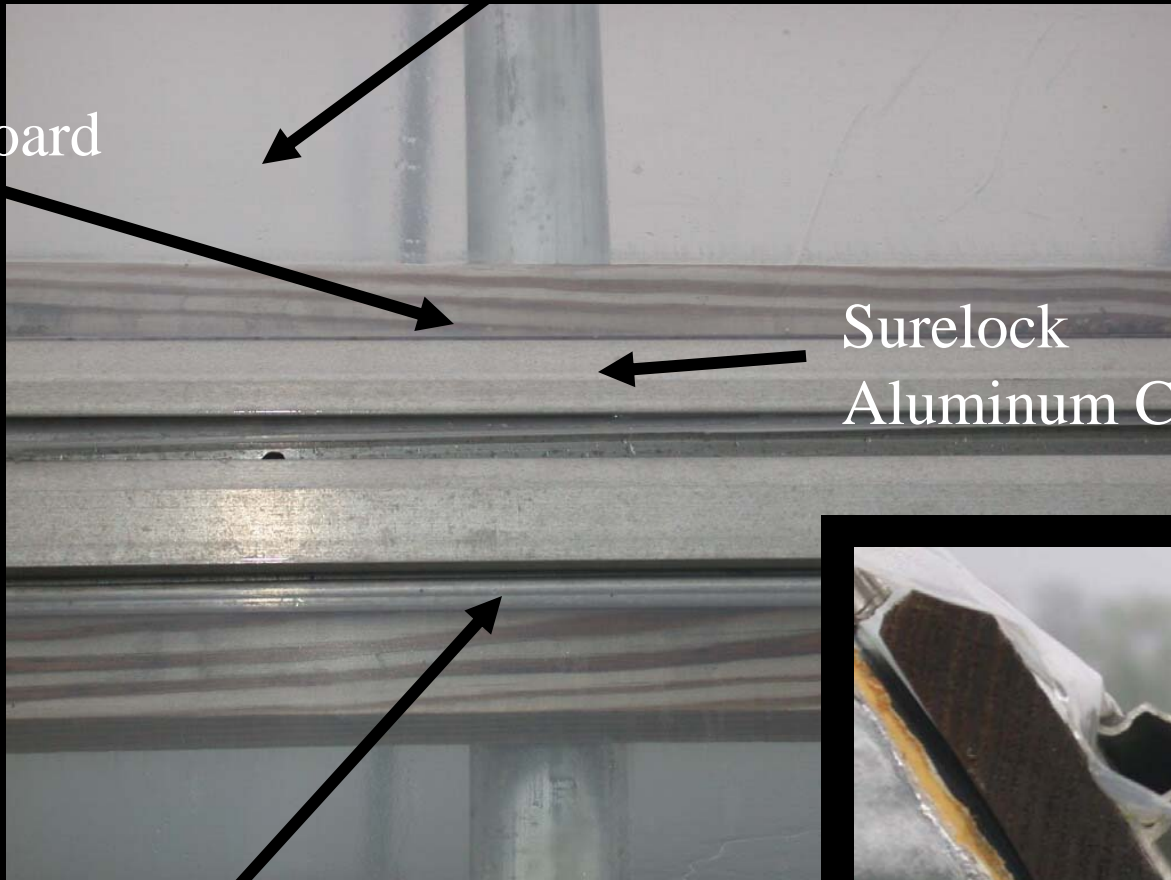


<http://plasticulture.cas.psu.edu/>

Plastic

Hip Board

Surelock
Aluminum Cap



“Surelock” Aluminum
Double-rail Track

Add end-wall frame (flips up).



Photo: <http://plasticulture.cas.psu.edu/>







<http://plasticulture.cas.psu.edu/>

Cost

- PSU High Tunnel
- \$2.75-\$3.00 per square foot
- Supplier: Ledgewood Farms, Moultonboro, NH
- Many other suppliers of different designs