8"

54"

6" under

10"

Joint detail:
Scale   1" = 1'0"

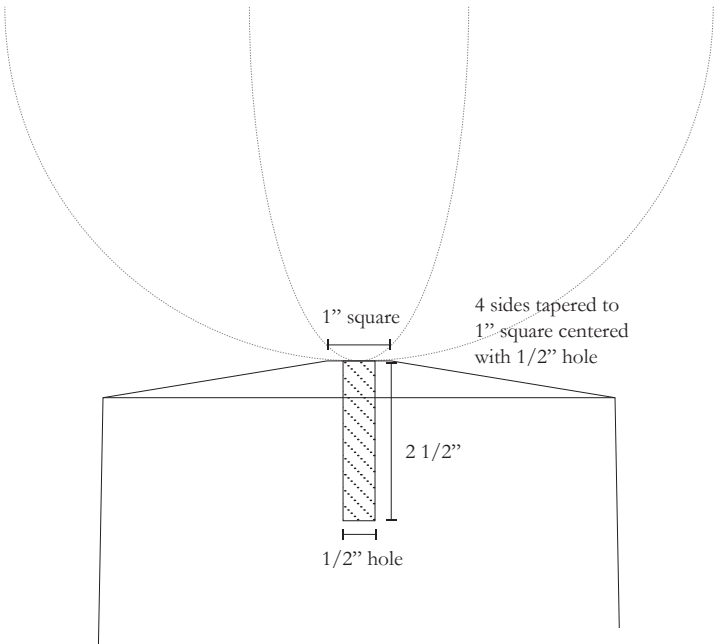1" square

4 sides tapered to
1" square centered
with 1/2" hole

2 1/2"

1/2" hole

Scale   2" = 1'0"

Questions/Comments:

Verify post size and dimension of the sphere with ND.