End Elevation 10’x16’  
Scale \( \frac{1}{4}’ = 1’-0’\)

Side Elevation 10’x16’  
Scale \( \frac{1}{4}’ = 1’-0’\)
Post Layout Plan

Foundation Note:
The foundation for this pavilion is to be designed according to local code requirements using the design reactions from the chart on the cover sheet of the drawings by Timber Tech Engineering, Inc. having the same job number referenced above. The general pier and slab foundation concepts shown on page 4 and 5 have been designed as per the IBC 2009 using an allowable soil bearing pressure of 2000 psf. The turn down slab concept should only be used in locations with a design frost depth equal to or less than the depth of the thickened edge. This is not a site specific design, consult your local building department for specific foundation design criteria for your area before using these details.
Roof Framing Plan

Scale 1/4" = 1'-0"
5 1/2"x5 1/2" treated laminated post in 9 3/4" vinyl column

Finished grade

1 3/8"x3 1/2"x1 3/4"x2 1/2" angle, fasten to post w/
(4) #10x3 1/2" screws and to concrete pier w/
(1) 3/4"x4" Powers Wedge-Bolt screw anchor

#3 stirrup wrapped around vertical bars, equally spaced (1 of 3)

Concrete sonotube, 3000 psi

#4 vertical rebar (1 of 4)

Pier Concept

Scale 1" = 1'-0"

Provide 3" min. concrete cover for vertical rebar

5 1/2"x5 1/2" treated laminated post in 9 3/4" vinyl column

16'4" concrete sonotube

9 3/4" vinyl column w/ flared base

Edge of flared vinyl base trim

#4 vertical rebar below (1 of 4)

#3 stirrup below (1 of 3)

View 1 Pier Concept

Scale 1" = 1'-0"

See foundation note on page 2 for design information
5 ½"x5 ½" treated laminated post in 9 ¾" vinyl column
1 3/8"x3 ¼"x1 ½"x2 ½" angle, fasten to post w/
(4) #10x3 ½" screws and to concrete w/
1/2"x4" Powers Wedge-Bolt screw anchor
Concrete turn down slab, 3000 psi min.
4' Concrete slab w/ 6x6
W2.9xW2.9 welded wire reinforcement
Sand fill, compacted to 95% modified proctor under 6 mil. vapor barrier
#3 Stirrups wrapped around horizontal bars, 24" o/c
#4 Continuous rebar (1 of 4)

Slab Concept  Scale 1" = 1'-0"

5 ½"x5 ½" treated laminated post in 9 ¾" vinyl column
1 3/8"x3 ¼"x1 ½"x2 ½" angle, fasten to post w/
(4) #10x3 ½" screws and to concrete w/
1/2"x4" Powers Wedge-Bolt screw anchor

Corner Post Top View Concept  Scale 1" = 1'-0"

See foundation note on page 2 for design information