End Elevation 12’x18’

Side Elevation 12’x18’
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 $\frac{1}{4}' = 1'-0'$

- 5½" x 8½" vinyl face board
- 1x6 T+G #1 SYP decking
- (1) 2x10 and (1) 2x8 top plate, flat, side by side
- (2) 2x4 hip rafter
- 5½" x 5½" treated laminated post in 9½' 1½" vinyl column
- 2x4 rafter, spaced as shown
**5 1/2'' x 5 1/2'' treated laminated post in 9 3/4'' vinyl column**

**Finished grade**

1 3/8'' x 3 1/2'' x 1 1/2'' angle, fasten to post w/ (4) #10 x 3 1/2'' screws and to concrete pier w/ (1) 3/4'' x 4'' 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'' x 5 1/2'' treated laminated post in 9 3/4'' vinyl column**

16' 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''
5 1/2 x 5 1/2 treated laminated post in 9 3/4 vinyl column
1 3/8 x 3 1/2 x 1 1/2 angle, fasten to post w/
(4) 10 x 3 1/2 screws and to concrete w/ (1)
1/2 x 4" Powers Wedge-Bolt screw anchor
Concrete turn down slab, 3000 psi min.
4" Concrete slab w/ 6x6 W2,9xW2.9 welded wire reinforcing
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 1/2 x 5 1/2 treated laminated post in 9 3/4 vinyl column
1 3/8 x 3 1/2 x 1 1/2 angle, fasten to post w/
(4) 10 x 3 1/2 screws and to concrete w/ (1)
1/2 x 4" Powers Wedge-Bolt screw anchor
#4 Continuous rebar below (1 of 4)
#3 Stirrups below, 24" o/c
Edge of flared vinyl base trim

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

See foundation note on page 2 for design information