

1. Type of foundation system

- a. 4' tapered pier 23"x23" base 8x8 at top
- b. Depth below grade = 4'
- c. 4' pier spacing supporting deck at top of stairs

2. Posts (members supporting framing of floor system)

- a. 6x6 PT posts
- b. Anchorage of post to footing : SIMPSON BC4Z BC-4 CAP AND BASE POST ANCHOR Z MAX

3. Framing members

- a. Ledger size attached to building : 4x8 4'
- b. Lag bolt size and spacing on ledger: FASTENMASTER LEDGERLOK 1/2"x3-5/8" SCREW
- c. Lateral attachment to building : SIMPSON DTT1Z DECK TENSION TIE KIT
- d. Location and type of flashing : at leger bituthene membrane to building lapping over existing housewrap. 1/2" spacer applied between building and ledger for drainage plain. Aluminum Flashing applied to top of ledger and taped to building before reapplication of siding
- e. Girder size and spans carrying floor system: (2)2x8 pt boards with 1/2" PT Plywood spacer glued and nailed to posts
- f. Joist size, span, spacing and hanger type: 2x8 pt spanning 3'5" 16"OC.
Joist hanger:
SIMPSON LUS28Z 2X8-10 JOIST HANGER Z MAX 18GA
- g. Decking size : 1x6 PT
- h. Post connection : FASTENMASTER LEDGERLOK 1/2"x3-5/8" SCREW
Girder to floor joist connection : SIMPSON H1Z HURRICANE AND SEISMIC RAFTER TIE Z MAZ

4. Guardrails and handrail details

- a. Guardrail height 32"
- b. Baluster spacing <4"
- c. Handrail height 32"

5. Stair details total Rise =4'5" Total Run = 6'

- a. Tread depth (measured nosing to nosing) : x 10.75"
- b. Riser height :7.25"
- c. Nosing projection of tread : 1"
- d. Width of stairs 36"
- e. Landing size(s) : Top – 48"wide x 48"deep
Bottom of stairs to patio