

1. Post to sonik tube connection- A 6x6 metal post base will be secured to the concrete footing with a J bolt, washer and nut. The 6x6 pressure treated post will be secured to the metal post base with galvanized nails.
2. Post to framing connection- All posts (3) will be set inside the joists of the 1st floor deck framing; two set within the outside corners; one set in the outside center. Post will be secured with 3.5" galvanized 1/4" lags.
3. Column connections- At the base the columns will be secured with 3.5" deck screws set an an angle, tying into both decking and joists. At the top the deck and roof framing will rest on top of the columns and be secured using 3.5" deck screws set an angle.
4. All balusters will be spaced 3.5 inches apart from inside edge to inside edge.
5. All rail heights to be set at 36"
6. We will not be removing the existing decking on the first floor landing nor will we be making any changes to the current layout of joists and ledger.
7. To support the roof, we will be using 2x8's sistered together to hold up the roof. There will be 4 in total. One on either end and two along the length. They will be secured to the roof framing using 3.5" decking screws. They will be secured to the ground using stakes that have been properly set into the earth
8. Existing stair to remain
9. Existing Stair rise= 8.5". We will not be making any changes to the stair stringers, rise and run.
10. Existing Stair run=10.5". We will not be making any changes to the stair stringers, rise and run.