

Lumber Estimate & Cut List

Thursday, March 20, 2014 4:49 AM

Nominal size of 5/4" lumber is 1 1/8"

$$1 \frac{1}{8}'' * 2 = 2 \frac{1}{4}''$$

Stile:

$$12' - 2 \frac{1}{4}'' = 11' 12'' - 2 \frac{1}{4}'' = 11' 9 \frac{3}{4}'' \rightarrow 18$$

Rail:

- 1'6" → 1
- 2' 9 1/2" → 2
- 2' → 4
- 3' → 2
- 4' → 1
- 5' → 2
- 6' → 4

Toggle:

- 1' 6" - 2 1/4" = 1' 3 3/4" → 4
- 2' 9 1/2" - 2 1/4" = 2' 7 1/4" → 7
- 2' - 2 1/4" = 1' 12" - 2 1/4" = 1' 9 3/4" → 14
- 3' - 2 1/4" = 2' 12" - 2 1/4" = 2' 9 3/4" → 7
- 4' - 2 1/4" = 3' 12" - 2 1/4" = 3' 9 3/4" → 4
- 5' - 2 1/4" = 4' 12" - 2 1/4" = 4' 9 3/4" → 7
- 6' - 2 1/4" = 5' 12" - 2 1/4" = 5' 9 3/4" → 14

2 extra 16' sticks to use for bracing in between the main walls and masking wall

Nailing blocks for molding

31' of flat wall

6' flat + 2' flat = 8' of 16" of nailing block

5' flat + 3' flat = 8' of 16" of nailing block

4' flat + 2'9" flat = ~7' of nailing block

2 sheets of ply for flat wall flats nailing blocks

3 sheets of ply for constructing the curved sweeps and top/bottom of curved flats

Estimate of stick lumber:

Want to purchase 16' sticks

18 stiles @ 12' + 10 rails [1@1'6", 2@2' 9 1/2", 4@2', 2@3', 1@4'] + 11 toggles [4@ 1' 3 3/4", 7@2' 7 1/4"] = 18 sticks

49 toggles [14@5' 9 3/4", 7@ 4' 9 3/4", 4@ 3' 9 3/4", 7@ 2' 9 3/4", 14@ 1' 9 3/4"] = 14 sticks

18 sticks + 14 sticks + 2 sticks = 34 sticks

34 sticks + 10% = **38 sticks of 16' lumber**

Estimate of sheet goods:

Want to purchase 3/4" ply for sweeps and nailing blocks

2 sheets of ply for nailing block strips on flat walls

3 sheets of ply for sweeps

2 sheets of ply for nailing blocks as needed on curved walls

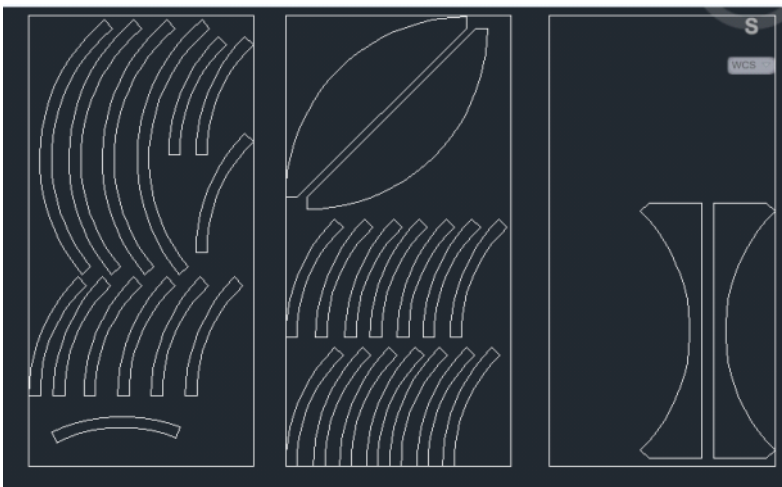
7 sheets of ply

Want to purchase 1/8" luan for skinning

8' sheet + 4' cut = 12' flat → flat flats

3@ 8' sheets running horizontally → 12' curved flats

18 sheets of luan to cover all flats



Screen clipping taken: 3/31/2014 3:02 PM