

Grand Portico Mansion



Tools Needed:

- Cordless Drill (12V or higher)
- #2 square drive bit
- Hammer
- 6' step ladder
- Tape measure
- Square utility knife w/ blade & hook blade
- Speed Square



*Little Cottage Co.
PO Box 455
Berlin, OH 44610
330-893-4212*

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Grand Portico Mansion



1



Thank You for purchasing from Little Cottage Company. You will find all components necessary to complete your Grand Portico Mansion. Refer to your buy list for specific contents.

2



Your 4x4 layout: 3= 4x4x156 and 2=4x4x192 pressure treated runners as shown. Once you fasten the 2x4 floor sections and the floor sheeting the runners will line up correctly. (refer to diagram)

3



Start laying floor on top of the 4x4's. Look to floor diagram for 4x4's.

4



Fasten small floor section into big section with 2 1/2" screws.

5



Using your speed square, make sure the floor is flush with the 4x4 and fasten with 2 1/2" screw.

6



Locate 6- 76 1/4" 2x4 floor joist, 2- 56 1/2" 2x4 rim, and fasten with 2 1/2" screws.

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7



Use speed square to make flush and fasten with 2 1/2" screw.

8



Continue installing floor.

9



Use speed square to make sure 2x4's are flush. Fasten with 2 1/2" screws.

10



Using speed square, again, make sure 2x4's are flush on top and side. Fasten with 2 1/2" screws.

11



Use angle to make flush and fasten with 2 1/2" screw.

12



Again, use your speed square and make sure the 2x4 is flush with the 4x4 and then fasten with 2 1/2" screws.

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13



Before installing floor sheeting, make sure the floor is square.

14



See diagram for 4x4 layout. Once floor is square, fasten 2x4 into 4x4 runners through the middle with 2 1/2" screws.

15



Continue installing floor.

16



Using your speed square make sure plywood is flush. Fasten with 1 1/4" blackhead screws.

17



Once the flooring is in place, fasten with 1 1/4" screws every 8".

18



You are now ready to begin installing the wall panels. Start by installing A-panel.

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19



Measure 2 1/2" from edge of floor to wall and fasten with 2 1/2" screw.

20



Fasten with 2 1/2" screw on the inside every 16" on center.

21



Now install B-panel.

22



Using your speed square, make sure the corners are flush and fasten with 2 1/2" screws.

23



Continue installing wall panels.

24



Fasten the top of the wall with 2 1/2" screw.

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25



Install wall, and measure 1/2" against the wall to the edge of the floor and fasten with 2 1/2" screw.

26



Install H-panel and use your speed square to make sure inside is flush with G-panel. Fasten with 2 1/2" screw.

27



Use your speed square and make sure the inside is flush on top and fasten with 2 1/2" screw.

28



Now measure to make sure that you have 20" between child door opening.

29



Continue installing walls. This is O-panel be sure you have 2 1/2" from edge of floor to the end of the wall. Then fasten with 2 1/2" screw.

30



Tie the turret walls together by fastening with 2 1/2" screws.

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31



Continue to tie the turret walls together with 2 1/2" screws, all the way down.

32



Install P-panel and fasten with 2 1/2" screw.

33



Fasten inside corner with 2 1/2" screw to tie walls together.

34



Install Q-panel and fasten with 2 1/2" screws.

35



Install U-panel next.

36



Next hang your tape over 2x3 and measure 4 1/4" on inside of wall, fasten with 2 1/2" screws.

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37



Place 2x3 on end of O-panel on inside.

38



Fasten with 2 1/2" screw.

39



Loft brace layout.

40



Install loft braces and fasten with 2 1/2" screws.

41



Continue to install the loft braces.

42



Install the 2x3 door studs on the R-panel.
Fasten with 2 1/2" screws.

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43



Now install R-panel.

44



Fasten with the R-panel with 2 1/2" screws.

45



Install 4 1/4" Top Plate on top of P-panel.

46



Fasten 4 1/4" Top plate on top of P-panel with 2 1/2" screws.

47



Install wall brace from front to back and fasten with 2 1/2" screws. Remove brace when roof is finished.

48



Loft layout.

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49



Use your speed square and make sure 2x4's are flush. Fasten loft together with 2 1/2" screws.

50



Slide loft over P-panel to install.

51



Install 1 1/4" blackhead screw every 8" on bottom.

52



Install 1 1/4" black head screws every 8" on corners and splices.

53



Install trim with 1 1/4" screws on O-panel.

54



Measure 11 1/4" from top of 2x3 on porch ceiling to top of G-panel top plate. Fasten with 1 1/4" screw from inside thru Duratemp siding into 2x3.

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55



Install treated deck in front of child door.

56



Layout porch columns for front of Grand Portico Mansion.

57



Measure 13 3/4" from wall to inside edge of column base and fasten with 2 1/2" screw.

58



Measure 15 1/4" from wall to inside edge of column base, and fasten with 2 1/2" screws on all corners.

59



Measure 14 1/2" from wall to the inside edge of column base and fasten with 2 1/2" screw.

60



Measure 16 9/8" from wall to the inside edge of column trim top. Fasten with 2 1/2" screw.

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61



Install column in center from wall and column base on picture 70 before fastening as shown on 70.

62



Continue installing columns.

63



T-bar layout from A-panel. 4' 2x2 below T-bar to keep T-bar sturdy. Fasten with 2 1/2" screws.

64



Fasten T-bar with 2 1/2" screw.

65



Turret rafter layout.

66



Match numbers on turret block with turret rafters.

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67



Fasten with 2 1/2" screws.

68



This is how it looks once it is completely assembled.

69



Set assembled turret on top of turret walls as shown.

70



Make sure rafter is centered in each outside corner as shown and fasten with 2 1/2" screw.

71



Install T-bar. Same T-bar as pictured in #63 and #64.

72



Fasten T-bar with 2 1/2" screws into A-panel and O-panel.

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73



Install rafter using your speed square to make sure it is flush with the top 4 1/4" top plate on outside edge.

74



Using your speed square, make sure the 2x4 rafter is flush on top of the T-bar.

75



Now you are ready to install the turret T-bar.

76



Use your speed square to make sure that the turret T-bar is flush on top of turret block.

77



Again, use your speed square to make sure the turret T-bar is flush with the main T-bar.

78



Continue installing rafters and fasten with 2 1/2" screws.

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79



Install T-bar on R-panel. Use the speed square to make sure top is flush with main T-bar and fasten with 2 1/2" screws.

80



Use the speed square to make sure the outside edges of the T-bar are flush with the Gable and fasten with 2 1/2" screws.

81



Install brace (use railing post as temporary brace then remove once roof is done)

82



Install S-panel.

83



Fasten S-panel with 1 1/4" screw from bottom of porch ceiling into 2x3 in S-panel.

84



Fasten S-panel from inside out with 2 1/2" screws.

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79



Install T-bar on R-panel. Use the speed square to make sure top is flush with main T-bar and fasten with 2 1/2" screws.

80



Use the speed square to make sure the outside edges of the T-bar are flush with the Gable and fasten with 2 1/2" screws.

81



Install brace (use railing post as temporary brace then remove once roof is done)

82



Install S-panel.

83



Fasten S-panel with 1 1/4" screw from bottom of porch ceiling into 2x3 in S-panel.

84



Fasten S-panel from inside out with 2 1/2" screws.

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91



Each piece of sheathing should be securely fastened with 1 1/4" screws.

92



Continue to install sheathing...

93



...continue following the diagram.

94



Start sheathing turret as shown, using #7 and continue all the way around the turret.

95



Fasten each sheet with 1 1/4" screws.

96



Install sheet #8 and fasten with 1 1/4" screw.

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97



Install sheet #9 and fasten with 1 1/4" screw.

98



99



Install oblong sheet #14 and fasten with 1 1/4" screws.

100



Install sheet #17 and fasten with 1 1/4" screws.

101



Install sheet #15

102



Install sheet #16.

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103



Remove trim to install sheet #30.

104



Install sheet #30 and fasten with 1 1/4" screws.

105



Once you have completed sheathing installation you may begin installing the drip edge. Drip edge will be installed all around the edge of the building and should be fasten with 1 1/4" screws.

106



Continue to install drip edge and cut at the peak so it will bend.

107



Continue installing drip edge on turret walls.

108



Install metal flashing #1 as shown.

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109



Install U-channel from the inside under sheet #8 and #9.

110



Fasten with 1 1/4" screws from the outside.

111



Place shingle starter strip (refer to shingle package on how to cut)...

112



...continue to top.

113



Install several courses of shingles. Next place Ice guard as shown.

114



Place your piece of #2 flashing in place and fasten.

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115



Continue with shingles.

116



Snap a chalk line down the center of each valley.

117



Place shingles in this area to fit.

118



Next you will want to cut a ridge cap to cover the peak, cut ridge cap 6" for the turret. The smaller size will give it the correct dimensions.

119



Continue with ridge caps and take all the way to the peak.

120



Place Ice Guard on top of sheathing. Next place flashing on top of the Ice Guard.

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121



122



Continue installing shingles as shown.

123



The trim that was removed to install sheathing #30, can now be installed, fasten with 1 1/4" screws.

124



125



Continue installing shingles.

126



Next mark each valley with a chalk line and cut shingles to fit.

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127



Cut shingles to fit each section.

128



Ridge caps are being installed.

129



Install ridge caps along each peak...

130



Fasten ridge cap as shown.

131



Layout your starter strips and fasten.

132



Continue to top...

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133



Continue installing shingles.

134



Run shingles to the top. Snap chalk line down the center of the valley. Install shingles on gable and cut to fit.

135



Be sure shingles are secure.

136



Once shingles are complete, measure 6" from peak and snap with chalk line for ridge cap placement.

137



Fasten ridge cap on each side.

138



Continue along the entire peak.

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139



Install ridge caps as shown.

140



This is what it should look like on turret ridge once complete.

141



Place starter strip on back side as shown.

142



Continue to fasten shingles all the way to the top.

143



Continue...

144



Continue installing the shingles. Snap chalk line from top to bottom on center of valley.

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145



Use 2' square to cut shingles to fit in valley.

146



This is what it should look like when finished.

147



Fasten loft with 2 1/2" screws into outside wall studs.

148



Fit the loft railing into place...

149



Install loft railing and fasten with 2 1/2" screws.

150



Fasten loft railing with 2 1/2" screws as shown.

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151



Install ladder. Use speed square on top and make sure it is flush. Fasten with 2 1/2" screws.

152



You will also want to fasten the ladder to the floor with 2 1/2" screws.

153



Next you will want to install your railing post...

154



Install railing post and fasten with 2 1/2" screws.

155



Next you will need to install the 2 3/4" trim onto the French door and fasten with 1 1/4" screws every 8" to 12".

156



Install treated 2x4 flush with floor, fasten with 2 1/2" screws.

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157



Once trim is fasten on all three sides, you are ready to install the door.

158



Install door.

159



Make sure the door is centered and leveled before fastening. Fasten with 1 1/4" screws every 8".

160



Once door is fastened on the outside open the door and fasten with 2 1/2" screws through the hinges to secure the door.

170



Install the outside corner trim. Fasten with 1 1/4" screws every 8".

171



Now install the turret corner trim.

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172



Install window trim, fasten with 1 1/4" screw.

173



Continue installing window trim.

174



Install flower boxes and fasten with 2 1/2" nails.

175



Install child door pull and fasten with 1 1/4" screw.

176



Fasten exterior door knob with 1 1/4" screw through center, as shown.