

# Octagon Greenhouse Manual



## Tools Needed:

- Cordless Drill (12V or higher)
- #2 Square Drive Bit
- Hammer
- 6' Step Ladder
- Tape Measure
- Utility knife  
w/ blade & hook blade
- Speed Square
- 5/16" Wood Drill bit



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# Octagon Greenhouse Manual



1



Locate 4x4 runners for 8x8 Octagon Greenhouse. Layout 4x4's as shown.

2



Next locate the 8 pieces of rim and joist.

3



Here you see the 8 pieces of rim.

4



The rims are numbered as shown. Make sure matching numbers are connected.

5



Continue with rim and make sure all numbers match.

6



Next secure rim with 2 1/2" Zinc screws as shown. Make sure all points are flush as shown.

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7



Next layout the floor joist.

8



The rims are also marked off where the joist need to go. Secure joist with 2 1/2" Zinc screws.

9



Next check floor framing for square as shown.

10



Next place floor on top of 4x4's as shown.

11



The 2 longest 4x4's need to be in the center. Keep 4x4 flush with rim and secure with 2 1/2" Zinc Screws as shown.

12



Next place shorter 4x4's as shown. Next picture will be more detailed.

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13



Hang tape over 4x4 and measure to corner of rim. Both reveals need to be the same.

15



Once floor is square secure all the joist to the 4x4 runners as shown. Angle 2 1/2" screws thru joist into 4x4 runner. One on each side.

17



The plywood is all cut. You may have to lay the flooring out before you fasten anything to make sure the pieces are placed properly.

14



Secure all corners of 4x4s with 2 1/2" Screws. Next measure floor for square as shown.

16



Next locate 5/8" plywood flooring.

18



Next secure plywood to joint and rim as shown using 1 1/4" Zinc Screws.

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19



Continue with fastening floor. Secure 1 1/4" screw every 8" to 10".

20



Securing the last piece of flooring.

21



Next locate wall panels.

22



Start with panel A and continue thru panel H.

23



Secure wall panel A with 2 1/2" screws as shown. make sure corners line up and put pressure on the outside pushing in so wall is tight against floor as shown.

24



Repeat on opposite end.

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25



Continue with walls.

26



Secure all corners with 2 1/2" Zinc Screws.

27



Continue with walls.

28



Make sure the inside corner is in place and secure with 2 1/2" Zinc screws as shown.

29



Installing walls.

30



All walls are installed except door wall.

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31



Next locate wall with door and install.

32



Install barrel bolt.

33



Secure with 1 1/4" screws. Use hammer and tap on top of bolt as shown to locate hole to drill.

34



Use 3/16" bit and drill hole in bottom of door as shown.

35



Barrel bolt is installed and 3/16" hole is drilled. This is what it looks like when completed.

36



Locate door latch which will be in a white box.

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37



Install door latch as shown.

38



Use 1 1/4" black headed screws to secure door latch.

39



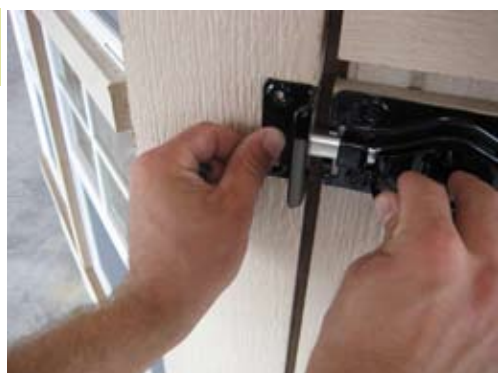
Next secure D-lever on inside.

40



Secure D-lever with 1 1/4" black headed screws.

41



Install L-bracket to keep door closed.  
Use 1 1/4" blackhead screws to secure L-bracket.

42



Door latch is completed.



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43



Locate 2x6 top plate with trim attached.

44



Install top plates as shown. Keep flush on the inside and make sure corners line up. Secure with 2 1/2" screws.

45



Continue with top plates as shown.

46



Insert 2 1/2" screws in an angle to tie top plates together.

47



Next locate all the rafters and roof parts.

48



Install first rafter to Octagon as shown at pencil marked as shown.

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49



Secure with 2 1/2" screws.

50



Next install second rafter and repeat.

51



Now partial rafter is ready to install.

52



have 2 guys pickup the rafter as shown and set on top of building.

53



Secure rafter to top plate and make sure corners of rafters line up with the edge of the top plate as shown.

54



Secure 2x3 that is attached to rafters into 2x6 top plate with 2 1/2" screws.

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55



Install rafters as shown.

56



Next install last 2 rafters.

57



Secure bottom of rafters on top plate before doing the top.

58



Secure rafter with 2 1/2" screws.

59



After all rafters are installed and fastened, fill in blocks that are cut on angles in between rafters.

60



Secure blocks with 2 1/2" screws as shown.

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61



Continue with rafter blocks.

62



Halfway down from the top you will install 2x3's in between rafters as shown and secure with 2 1/2" screws.

63



Continue installing 2x3 rafters.

64



Next locate metal roof corners and sunsky.

65



Metal corners installed.

66



Push metal corner up until it is against top and secure with 1 1/4" Zinc Screws.

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67



Metal corners are marked underneath bottom, so you need to make sure they are on the bottom.

68



Secure with (3) 1 1/4" screws per side.

69



Metal corner installed.

70



Metal corners are done.

71



Next locate sunsky roofing.

72



Install as shown.

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73



Roof will overhang trim roughly 1".

74



Secure with 1" white screws with rubber washer.

75



Install second piece as shown and repeat.

76



1" overhang

77



insert screws beside each rip as shown.

78



Continue with screws.

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79



Locate outside corners.

80



Next place corners as shown.

81



Once corner in place.

82



Secure with 1 1/4" Zinc screws, roughly 10 to 12" apart.

83



Secure all corners and bottom edge of siding with 1 1/4" screws 8" to 10" apart.

84



Locate treated shelves.

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85



Place treated shelves on inside as shown.

86



Place treated shelves on inside as shown.

87



Next start installing shelves at corner as shown. Keep flush with top of window sill and secure with 2 1/2" screws. Deck screws are provided for treated shelves.

88



Continue with shelf installation.

89



Continue installing shelves on 7 walls.

90



To tie shelves together insert 2 1/2" deck screw as shown.



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91



Make sure all tops are flush before fastening.

92



Next install brace as shown.

93



The short braces will be installed on end shelves.

94



If wood wants to split use 1/8" drill bit and drill hole where screw is shown to go through.

95



Same on the bottom.

96



Shelves are completed.

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97



8x8 Octagon greenhouse is complete!