

SUMMERWOOD GAZEBOS

SITE PREPARATION



GAZEBO SITE PREPARATION

A level and secure base is required for your Summerwood gazebo. There are three methods provided on how to prepare such a base. You can either use a concrete pad, footings or patio stones. Follow the instructions and drawings below on how to prepare your gazebo site. *Please note, due to local building codes and their various requirements, this document focuses mainly on providing sizes and dimensions for each type of base. Local building codes should always be checked in accordance before proceeding with such a project.*

Method 1: Concrete Pad

The size of your concrete pad depends on whether you choose a gazebo with a floor or without. The pad of the gazebo with a floor is slightly smaller so it can be hidden with skirting, whereas, the pad for a gazebo without a floor is slightly larger to accommodate mounting brackets if necessary. Make sure you use the correct drawing and chart corresponding to a pad for a gazebo with a floor or without a floor. See *Figure 1 – Gazebo Concrete Pad (No Floor)*. See *Figure 2 – Gazebo Concrete Pad (With Floor)*.

Please note the garden house style (San Cristobal) without a floor has a separate size pad to the gazebo without a floor. Use the corresponding drawings and charts provided for a garden house without a floor. See *Figure 3 and 4*.

Procedure:

1. Depending on your landscape, the front wall of your gazebo may line up with the end of a path for example. You therefore need to determine the position of the front wall and use that as a reference for outlining the gazebo area.
2. Outlining: See *Figure 5*
 - a. Place two stakes in the ground, along the line of the desired position of the front wall, at a distance B apart corresponding with the chart. Join the stakes with a string and pull tight.
 - b. Position a third stake at a right angle to one of the first stakes at the same distance B apart. Join these stakes with a string. These two string lines must be square. Using the “3,4,5” rule, squareness can be achieved. The rule states, if 3’ is measured on one string and 4’ on the other string that is at a right angle, the distance between those two points should equal 5’. If this is true then your lines are square.
 - c. Use measurement B again and place a fourth stake to complete a square by joining the remaining sides with a string pulled tight. Use a measuring tape and check measurements corner to corner. If they are equal then your square is correct. Mark the center spot while you diagonally check.
 - d. From each corner of the square, measure in on each side using measurement D from the chart. Mark each location with a stake. Now run string between the new stakes and you will have formed the area of your gazebo.

3. Form concrete hold using 2x8 lumber around the area of your gazebo
4. Lay base material for your pad
5. Pour concrete and any reinforcement. When pouring your concrete pad, it is highly recommended to refer to your local building codes to ensure all clearances are adhered to. Concrete pads vary for each jurisdiction.

Method 2: Concrete Footings

Footings "Without Floor"

Use the same procedure described in Method 1 for outlining your gazebo area using the drawings and charts provided in *Figure 6 and 7*.

Auger eight 10" diameter holes to a depth below the frost lines, center them according to your layout. Insert sono tubes in all eight holes and fill with concrete to the top of the tubes. The Gazebo uprights should rest directly on your footings.

Note: If you are interlocking bricks around the base of the gazebo, the top of the sono tubes should be level with the grade before the bricks are laid. This will allow the bricks to hide the footings.

Footings "With Floor"

Use the same procedure described in Method 1 for outlining your gazebo area using the drawings and charts provided in *Figure 8 and 9*.

Auger nine 10" diameter holes to a depth below the frost lines, center them according to your layout. Ensure the holes are set in from the edge of the gazebo uprights so that the outside footings will bisect the midpoint of the uprights. This ensures that the uprights may be used to frame for skirting once the gazebo is assembled.

Insert sono tubes in all nine holes, they should be a minimum of 6" above grade to comply with most building codes. Proceed by pouring concrete into the top of the tubes.

Note: If the grade level is severely sloped, install 4x4 saddle brackets in the center of the sono tubes while concrete is still wet, posts can be installed and leveled afterwards.

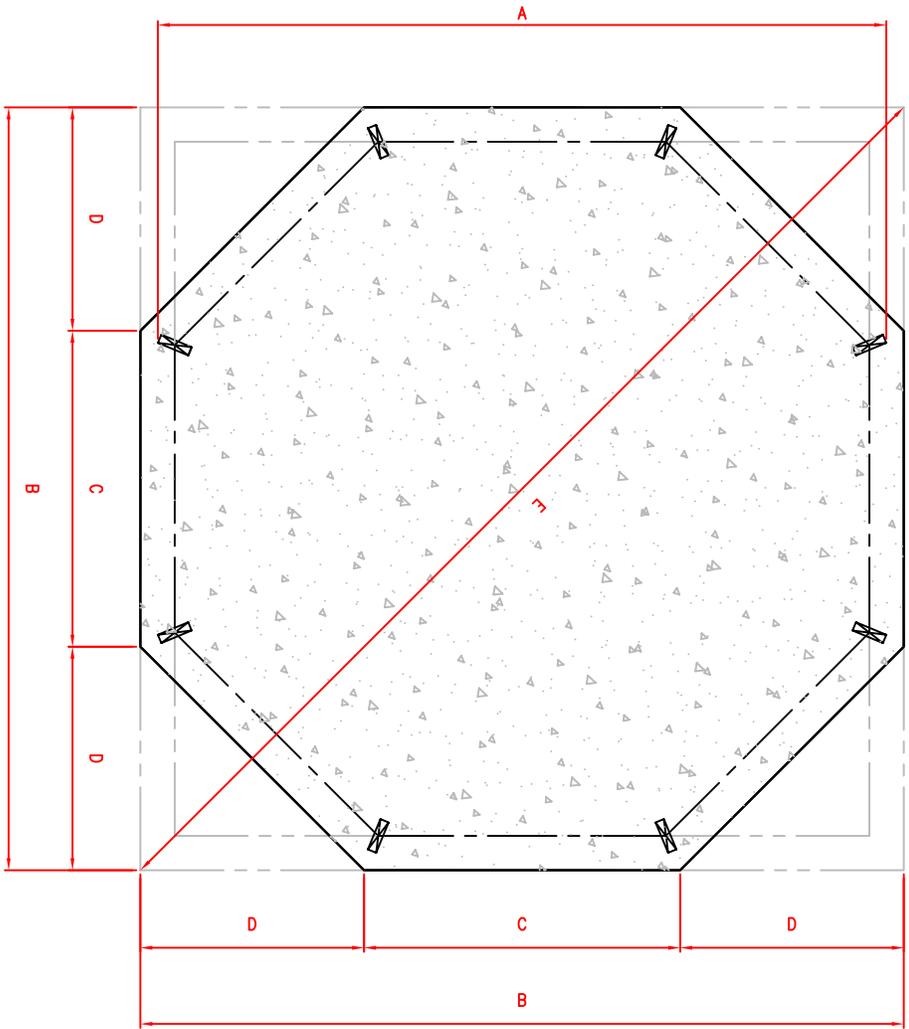
Method 3: Patio Stones

The easiest and most cost efficient foundation is provided by using 12"x24" patio stones placed in the center and under each corner of the gazebo. The patio stones should be positioned according to *Figure 10*.

Note: If the desired location is more than 12" out of level, it is recommended a more secure foundation be used.

FIGURE 1.

GAZEBO CONCRETE PAD (NO FLOOR)



Notes:
 This drawing shows the concrete pad footprint for a gazebo without a floor. Use the dimensions shown to mark out a square. From the square you can then mark the corners of the pad. The dimensions shown are for a pad offset 3" from the outside edge of the uprights.

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 UNLESS STATED OTHERWISE

DIMENSION LABELS

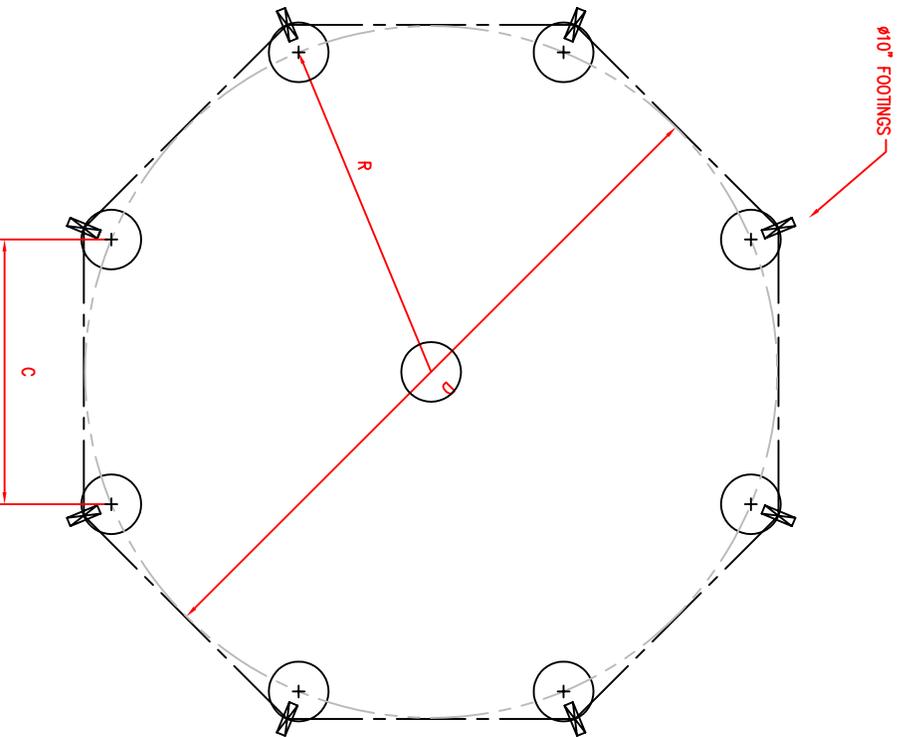
- A – OUTSIDE DIMENSION ACROSS FLAT
- B – PAD OVERALL DIMENSION
- C – CORNER TO CORNER DIMENSION OF PAD
- D – OFFSET DIMENSION PAD CORNER TO SQUARE END
- E – DIAGONAL DIMENSION

DIM(IN)	SIZE	8FT	10FT	11FT	12FT	14FT	16FT
A		99 1/8	122	133 7/16	144 7/8	167	190 5/8
B		105 1/8	128	139 7/16	150 7/8	173	196 5/8
C		43 1/2	53	57 3/4	62 1/2	71 3/4	81 1/2
D		30 3/4	37 1/2	40 7/8	44 1/8	50 5/8	57 5/8
E		148 5/8	181	197 3/16	213 3/8	244 5/8	278

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Project: plansupport@summerwood.com	
STYLE: GAZEBO	
SIZE: CONCRETE PAD DETAILS (NO FLOOR)	
Scale:	Version No.: 1.01 Item No.:

FIGURE 9.

GAZEBO FOOTINGS (WITH FLOOR)



Notes:
 This drawing shows the footing placements for a gazebo without a floor. You can use the dimensions shown to double check your footing placement.

DIMENSION LABELS

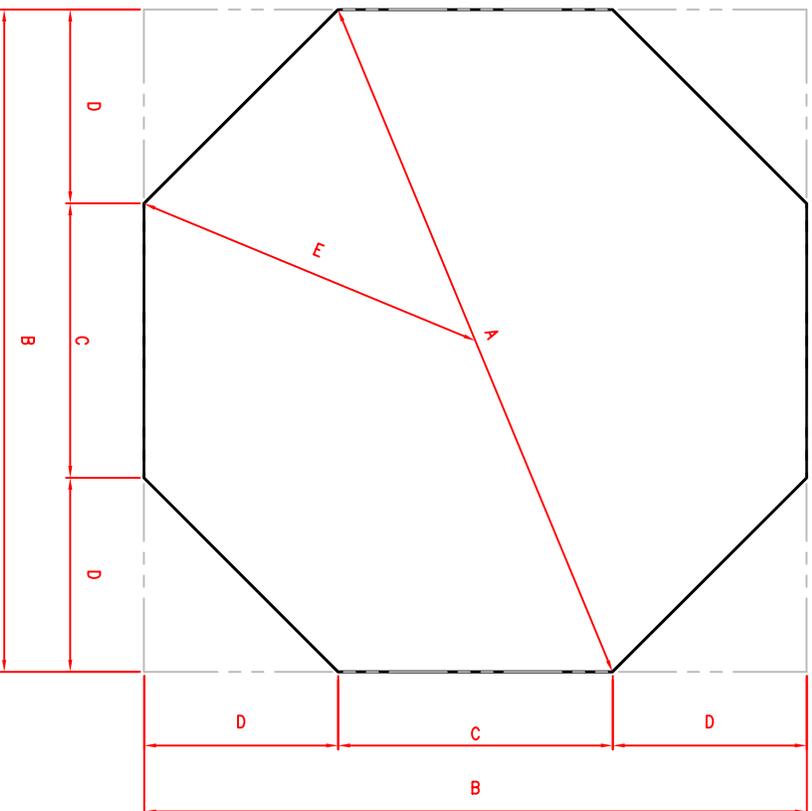
- D - DIAMETER ON CENTER
- R - RADIUS ON CENTER
- C - POST TO POST DIMENSION ON CENTERS

SIZE	8FT	10FT	11FT	12FT	14FT	16FT
DIM(IN)						
D	81 1/4	116	133 3/8	140 3/4	164 3/4	188 1/2
R	40 5/8	58	66 11/16	70 3/8	82 3/8	94 1/4
C	34 7/8	44 3/8	49 1/8	53 7/8	63	72 1/8

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FIGURE 4.

SAN CRISTOBAL CONCRETE PAD (NO FLOOR)



Notes:
 This drawing shows the concrete pad footprint for a garden house without a floor. The dimensions shown give you the corner to corner measurements to help verify the squareness of your pad.

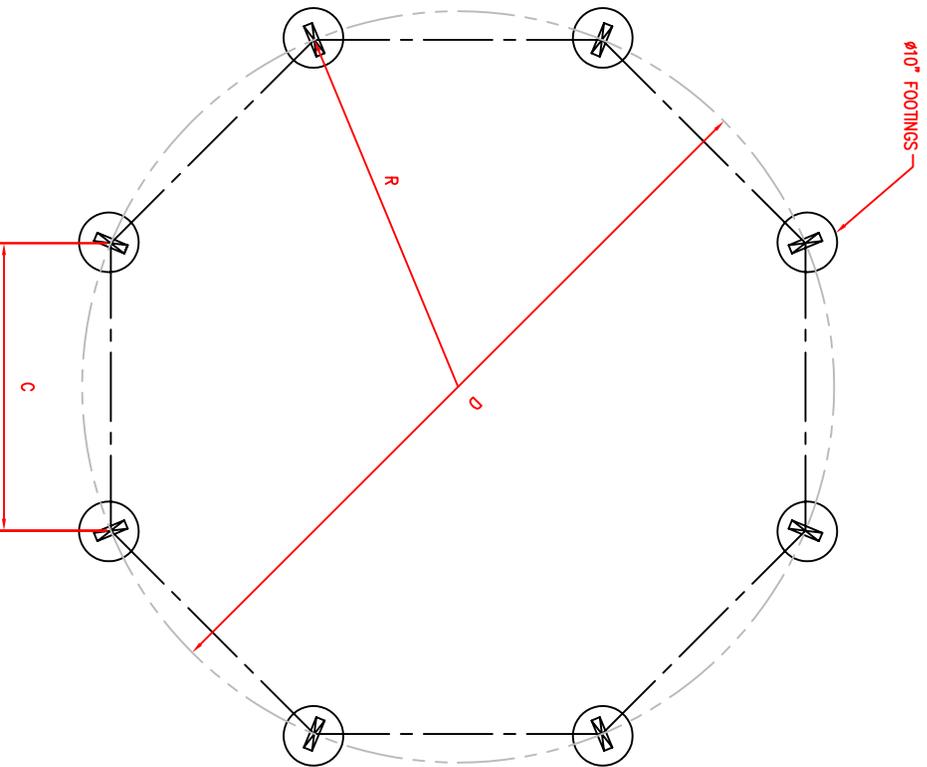
ALL DIMENSIONS IN INCHES
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SIZE	8FT	10FT	11FT	12FT	14FT	16FT
DIM (IN)						
A	106 5/8	131 1/4	143 9/16	156 1/8	180 1/4	205 5/8
B	98 1/2	121 1/4	132 5/8	144 1/4	166 1/2	190
C	40 3/4	50 1/4	55	59 3/4	66 7/8	78 3/4
D	28 7/8	35 1/2	38 13/16	42 1/8	47 1/4	55 5/8
E	53 5/16	65 5/8	71 3/4	78 1/16	90 1/8	102 13/16

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Project:		STYLE: SAN CRISTOBAL	
Size:		CONCRETE PAD DETAILS (NO FLOOR)	
Scale:	Version No.:	Item No.:	
	1.01	SANC	

FIGURE 7.

GAZEBO FOOTINGS (NO FLOOR)



Notes:
 This drawing shows the footing placements for a gazebo without a floor. You can use the dimensions shown to double check your footing placement.

DIMENSION LABELS

- D - DIAMETER ON CENTER
- R - RADIUS ON CENTER
- C - POST TO POST DIMENSION ON CENTERS

SIZE	8FT	10FT	11FT	12FT	14FT	16FT
DIM(IN)	8FT	10FT	11FT	12FT	14FT	16FT
D	101 1/4	126	138 3/8	150 3/4	174 3/4	198 1/2
R	50 5/8	63	69 3/16	75 3/8	87 3/8	99 1/4
C	38 3/4	48 3/8	53 3/16	57 5/8	66 7/8	76

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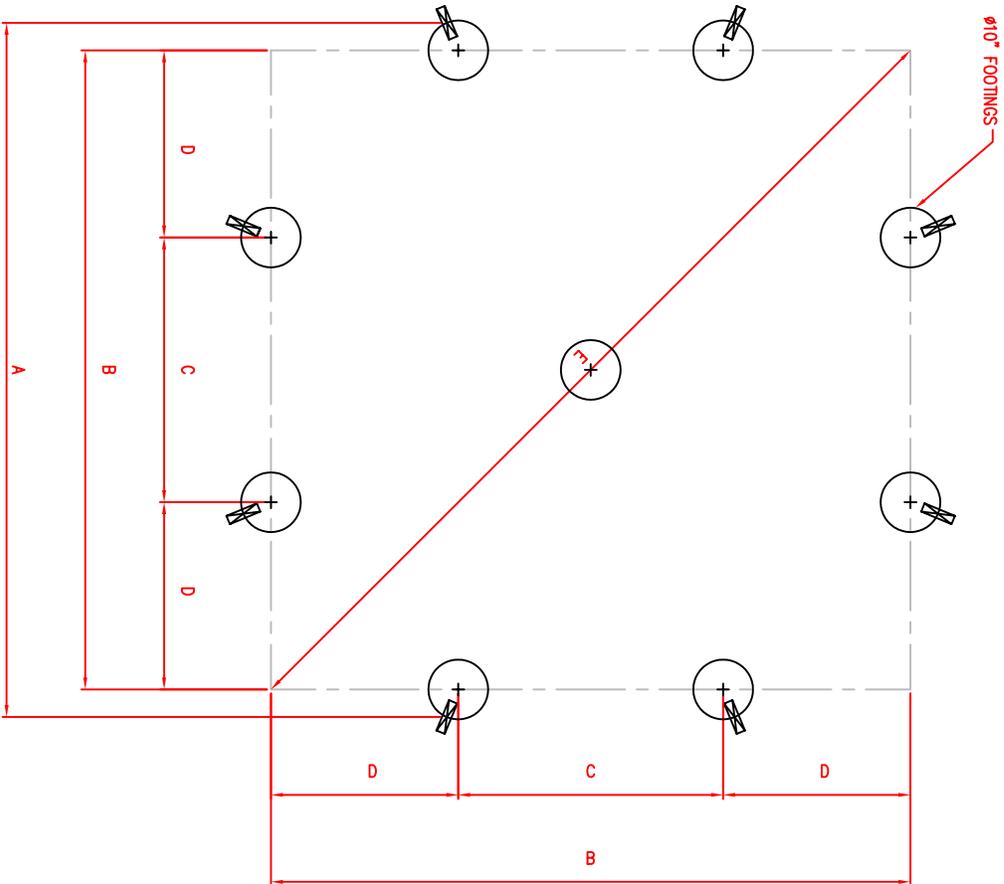
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STYLE: GAZEBO
SIZE:
FOOTING PLACEMENT (NO FLOOR)

Scale: Version No.: 1.01 Item No.:

FIGURE 8.

GAZEBO FOOTINGS (WITH FLOOR)



Notes:

This drawing shows the footing placements for a gazebo with a floor. Use the dimensions shown to mark out a square. From the square you can then mark the centers of the uprights and footings.

DIMENSION LABELS

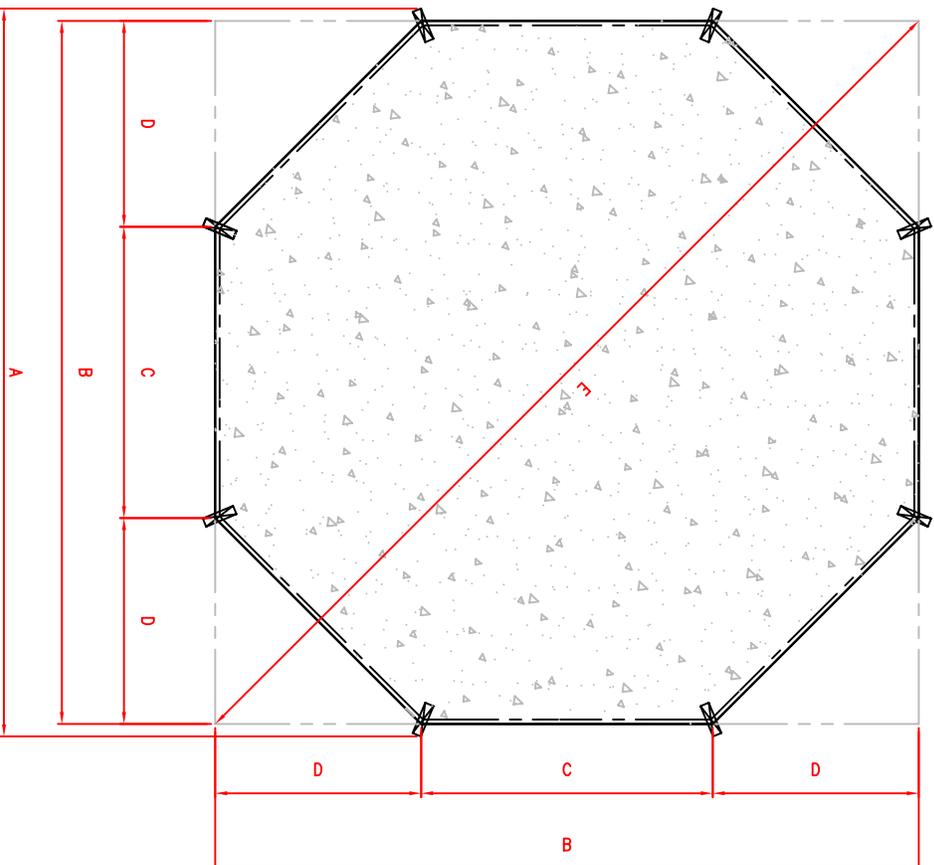
- A – OUTSIDE DIMENSION ACROSS FLAT
- B – OVERALL DIMENSION ON CENTER
- C – POST TO POST DIMENSION ON CENTERS
- D – OFFSET DIMENSION CORNER TO POST CENTER
- E – DIAGONAL DIMENSION

DIM/(N)	SIZE	8FT	10FT	11FT	12FT	14FT	16FT
A	93 1/2	116 3/8	127 13/16	139 1/4	161 3/8	183 3/8	
B	84 1/4	107 1/8	118 9/16	130	152 1/8	174 1/8	
C	34 7/8	44 3/8	49 1/8	53 7/8	63	72 1/8	
D	24 11/16	31 3/8	34 3/4	38 1/16	44 9/16	51	
E	119 1/8	151 1/2	167 11/16	183 7/8	215 1/8	246 1/4	

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Scale:	Version No.:	Item No.:	
	1.01		

FIGURE 2.

GAZEBO CONCRETE PAD (WITH FLOOR)



Notes:
 This drawing shows the concrete pad footprint for a gazebo with a floor. Use the dimensions shown to mark out a square. From the square you can then mark the corners of the pad. The dimensions shown are for a pad offset 2" in from the outside edge of the uprights.

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 UNLESS STATED OTHERWISE

DIMENSION LABELS

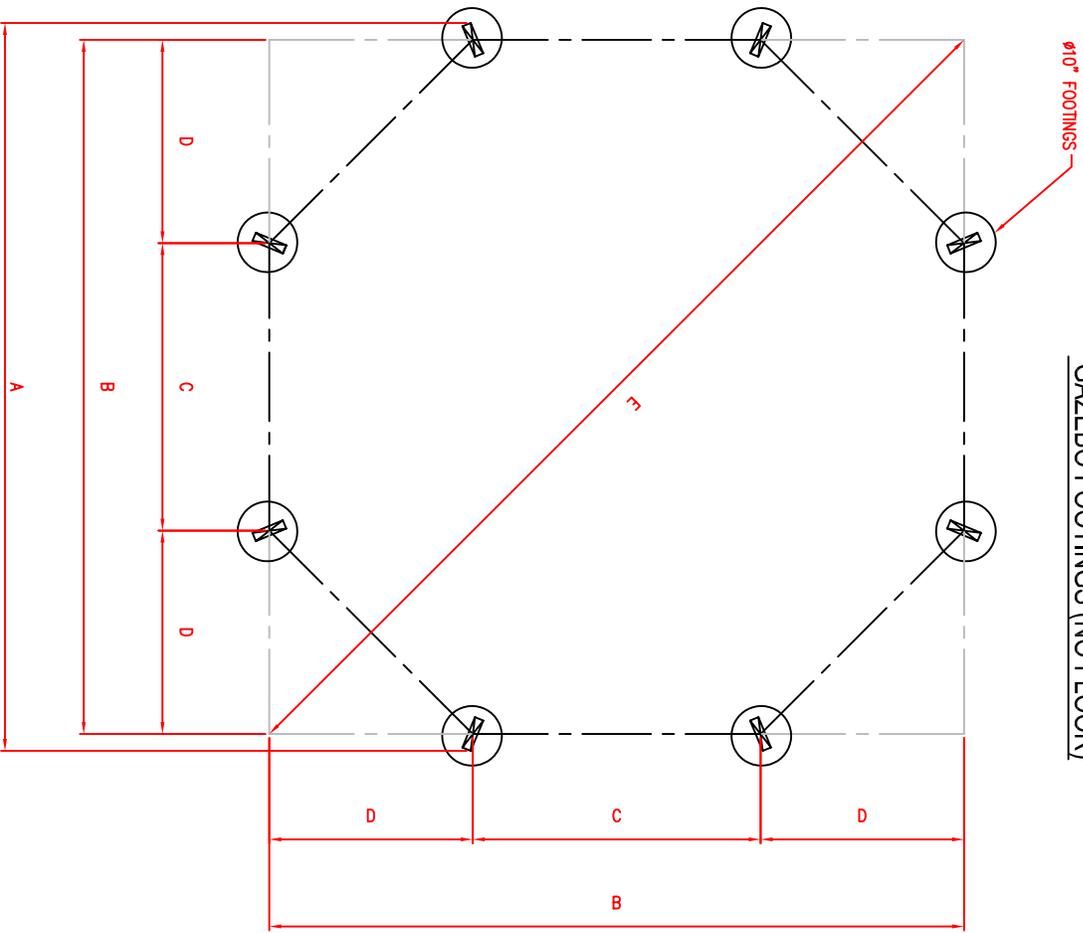
- A – OUTSIDE DIMENSION ACROSS FLAT
- B – PAD OVERALL DIMENSION
- C – CORNER TO CORNER DIMENSION OF PAD
- D – OFFSET DIMENSION PAD CORNER TO SQUARE END
- E – DIAGONAL DIMENSION

DIM(IN)	SIZE	8FT	10FT	11FT	12FT	14FT	16FT
A		99 1/8	122	133 7/16	144 7/8	167	190 5/8
B		95 1/8	118	129 7/16	140 7/8	163	186 5/8
C		39 3/8	49	53 13/16	58 3/8	67 1/2	77 1/4
D		27 7/8	34 1/2	37 13/16	41 1/4	47 3/4	54 5/8
E		134 1/2	166 7/8	183 1/16	199 1/4	230 1/2	264

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STYLE:GAZEBO			
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CONCRETE PAD DETAILS (WITH FLOOR)			
Scale:	Version No.:	Item No.:	
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FIGURE 6.

GAZEBO FOOTINGS (NO FLOOR)



Notes:

This drawing shows the footing placements for a gazebo without a floor. Use the dimensions shown to mark out a square. From the square you can then mark the centers of the uprights and footings.

DIMENSION LABELS

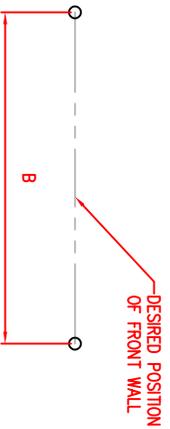
- A – OUTSIDE DIMENSION ACROSS FLAT
- B – OVERALL DIMENSION ON CENTER
- C – POST TO POST DIMENSION ON CENTERS
- D – OFFSET DIMENSION CORNER TO POST CENTER
- E – DIAGONAL DIMENSION

DIM/(N)	SIZE	8FT	10FT	11FT	12FT	14FT	16FT
A	99 1/8	122	133 7/16	144 7/8	167	190 5/8	
B	93 1/2	116 3/8	127 13/16	139 1/4	161 3/8	183 3/8	
C	38 3/4	48 3/8	53 3/16	57 5/8	66 7/8	76	
D	27 3/8	34	37 5/16	40 3/4	47 1/4	53 5/8	
E	132 1/4	164 1/2	180 5/8	197	228 1/4	259 3/8	

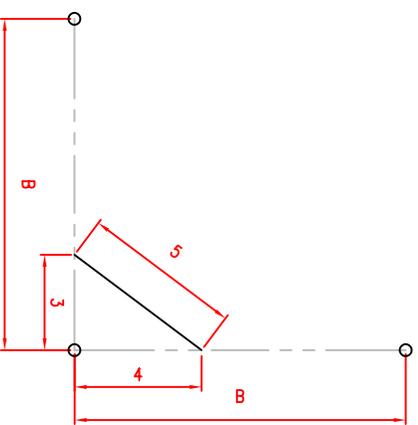
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Project		STYLE: GAZEBO	
Size:		FOOTING PLACEMENT (NO FLOOR)	
Scale:	Version No.:	Item No.:	
	1.01		

FIGURE 5.

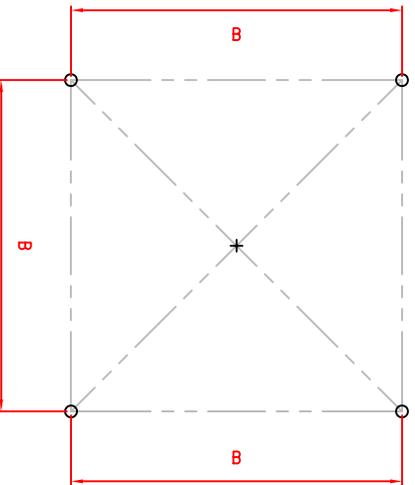
a. Place two stakes in the ground, along the line of the desired position of the front wall, at a distance B apart corresponding with your chart. Join the stakes with a string and pull tight.



b. Position a third stake at a right angle to one of the first stakes at the same distance B apart. Join these stakes with a string. Use the "3,4,5" rule to achieve squareness.



c. Use measurement B again and place a fourth stake to complete a square by joining the remaining sides with a string pulled tight. Use a measuring tape and check measurements corner to corner. If they are equal then your square is correct. Mark the center spot while you diagonally check.



d. From each corner of the square, measure in on each side using measurement D from your chart. Mark each location with a stake. Now run string between the new stakes and you will have formed the area of your gazebo.

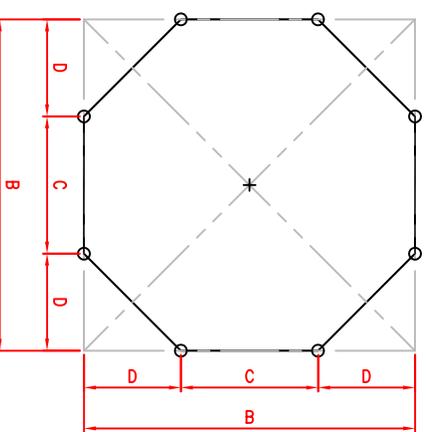
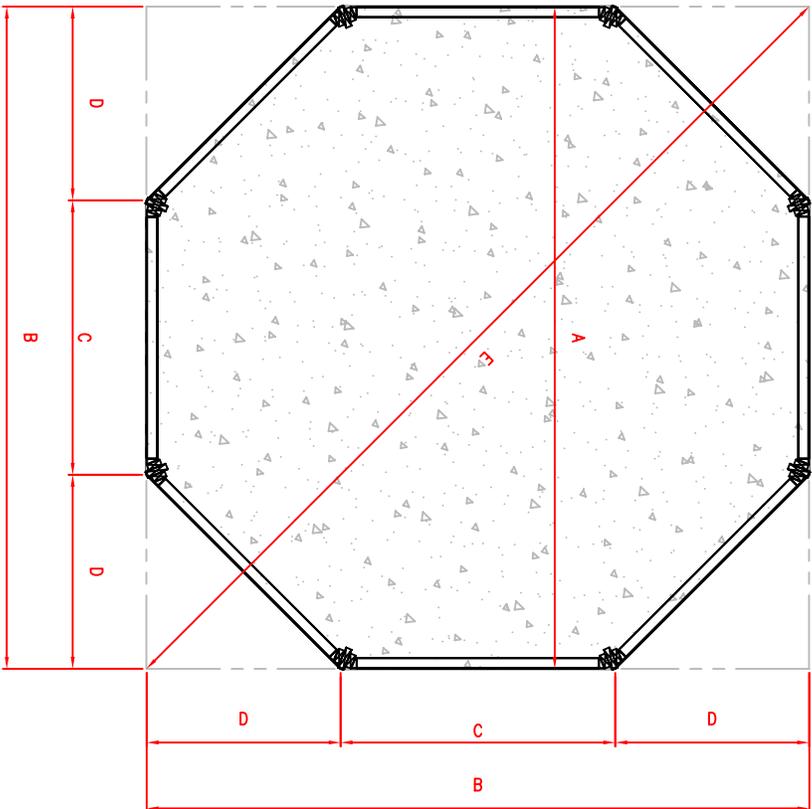


FIGURE 3.

SAN CRISTOBAL CONCRETE PAD (NO FLOOR)



Notes:
 This drawing shows the concrete pad footprint for a garden house without a floor. Use the dimensions shown to mark out a square. From the square you can then mark the corners of the pad. The dimensions shown are for a pad the same size as the outside footprint of the walls.

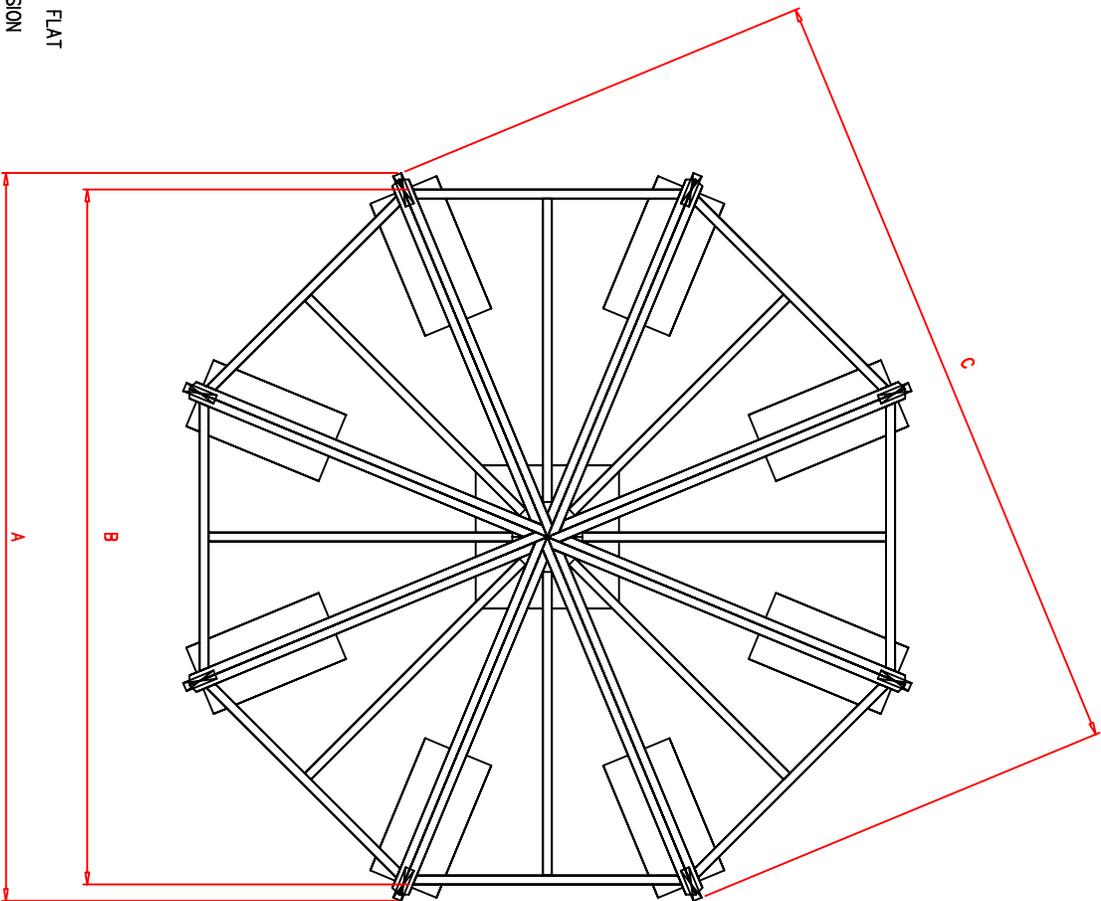
ALL DIMENSIONS IN INCHES
 UNLESS STATED OTHERWISE

SIZE	8FT	10FT	11FT	12FT	14FT	16FT
DIM(IN)						
A	98 1/2	121 1/4	132 5/8	144 1/4	166 1/2	190
B	98 1/2	121 1/4	132 5/8	144 1/4	166 1/2	190
C	40 3/4	50 1/4	55	59 3/4	66 7/8	78 3/4
D	28 7/8	35 1/2	38 13/16	42 1/8	47 1/4	55 5/8
E	139 1/4	171 1/2	187 5/8	204	228 1/4	268 3/4

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Scale:	Version No.:	Item No.:	
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FIGURE 10.

GAZEBO FLOOR FRAME & PATIO STONE LAYOUT



DIMENSION LABELS

- A - OUTSIDE DIMENSION ACROSS FLAT
- B - FACE JOIST OVERALL DIMENSION
- C - OUTSIDE DIMENSION POST TO POST

DIM(IN)	SIZE	8FT	10FT	11FT	12FT	14FT	16FT
A		99 1/8	122	133 7/16	144 7/8	167	190 5/8
B		93 1/2	116 1/2	17 1/8	139 3/4	162	183 3/4
C		106 3/4	131 1/2	143 7/8	156 1/4	180 1/4	205 3/4

Notes:
 This drawing shows the assembly of the floor frame. It also shows the positioning of patio stones as a foundation.
 If the desired location is more than 12" out of level, it is recommended a more secure foundation be used.

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Scale:	Version No.:	1.01	Revis No.: