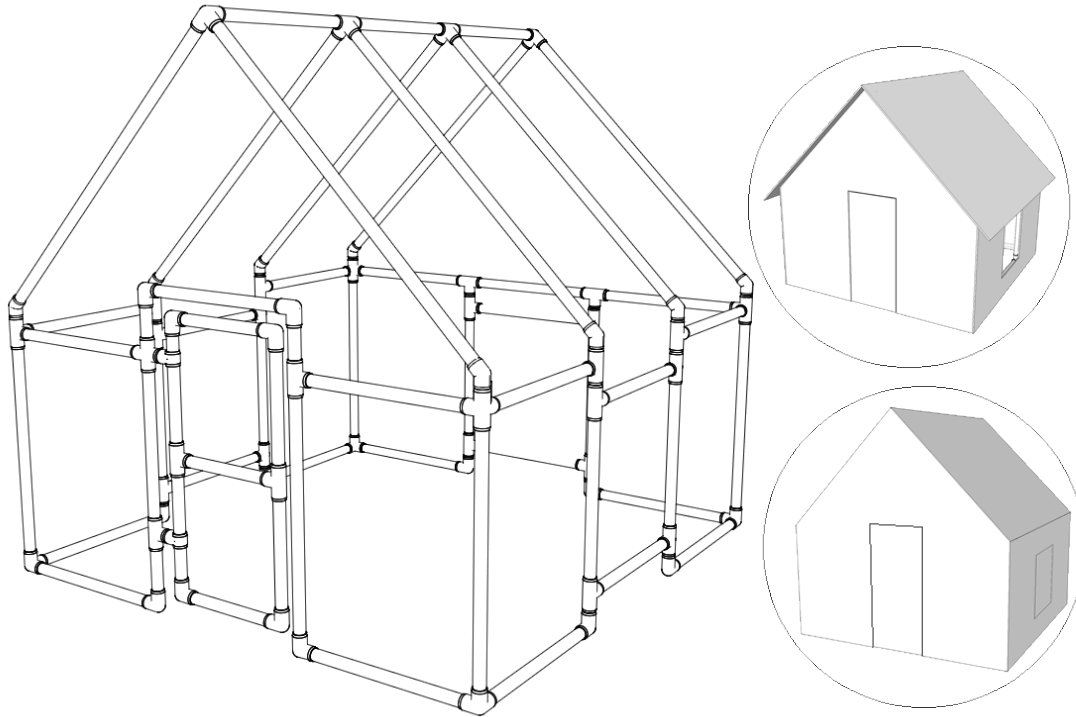


PVC Large Playhouse

a FORMUFIT PVC Plan





Important information.
Read carefully.
Keep this information for further reference.

WARNING

Serious or fatal injuries can occur from using power tools when cutting PVC pipe. Be sure to read and understand the instructions that came with your power tools before using them.

PVC cement is a noxious chemical that should be used in a well ventilated area. If you become dizzy, light-headed or disoriented, move to fresh air.

Legal

DISCLAIMER: The information provided within this manual is for informational purposes only. FORMUFIT accepts no responsibility, and is excluded from all liability for damage and/or loss which may be suffered by any other party as a result of using or in connection with such use or loss of use of this information, including but not limited to loss of profit, loss of opportunity, loss of business, indirect damages, incidental damages, special or consequential loss, injury or loss of life.

Additional Information

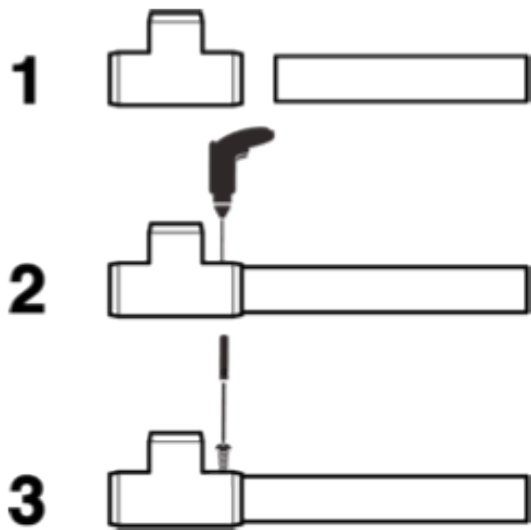
For additional information on how to cut, prepare and assemble PVC, please review our FORMUFIT PVC Field Manuals available at:

<http://www.formufit.com/guides>

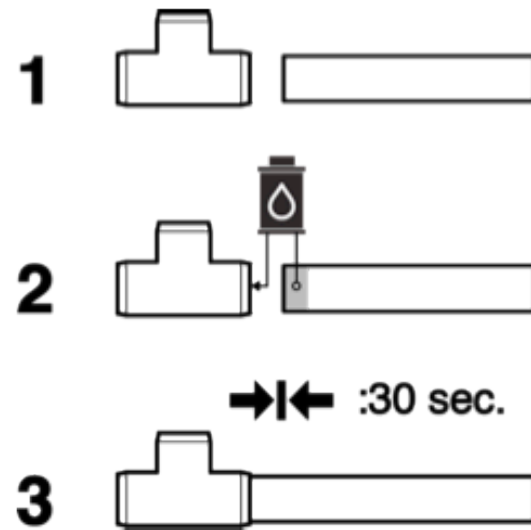
To order fittings, connectors, pipe or accessories for this project, visit FORMUFIT online at:

<http://www.formufit.com>

Tools



or



Symbols

Some of the following symbols may be used in this assembly guide. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to assemble the project quicker and more efficiently

SYMBOL	NAME	DESIGNATION
4W	4-WAY PVC FITTING	Instructs the user that a 4-Way Tee PVC Fitting is used in this position.
3W	3-WAY PVC FITTING	Instructs the user that a 3-Way Elbow PVC Fitting is used in this position.
STE	SLIP TEE FITTING	Instructs the user that a Slip Tee PVC Fitting is used in this position.
X	CROSS FITTING	Instructs the user that a 4-Way Cross PVC Fitting is used in this position.
T	TEE FITTING	Instructs the user that a Tee PVC Fitting is used in this position.
90	90 DEGREE FITTING	Instructs the user that a 90 Degree Elbow PVC Fitting is used in this position.
45	45 DEGREE FITTING	Instructs the user that a 45 Degree Elbow PVC Fitting is used in this position.
22"	PIPE LENGTH	Instructs the user that the specified cut pipe size is used in this position.

Features







The FORMUFIT plans for the Large Playhouse provide the following features:

- 7'H x 7'W x 7'D High for large indoor space.
- Fully hinged door.
- Three large 24" square windows.
- Can be tailored for indoor or outdoor use.
- Includes measurements for wood paneling or cloth/canvas covering.

Specifications

SPECIFICATION	SIZE
HEIGHT (OVERALL)	84 inches
LENGTH (OVERALL)	84 inches
WIDTH (OVERALL)	84 inches
WINDOWS SIZE	24" x 24"
DOOR SIZE	21"W x 46"H

Parts (PVC Structure)

PART IMAGE	PART	QUANTITY	PART NUMBER
	1-1/4" 4-Way PVC Tee	6	F1144WT
	1-1/4" 3-Way PVC Elbow	6	F1143WE
	1-1/4" Slip Tee	2	F114STE
	1-1/4" 4-Way PVC Cross	1	F1144WC
	1-1/4" PVC Tee	22	F114TEE
	1-1/4" 90 Degree PVC Elbow	14	F11490E

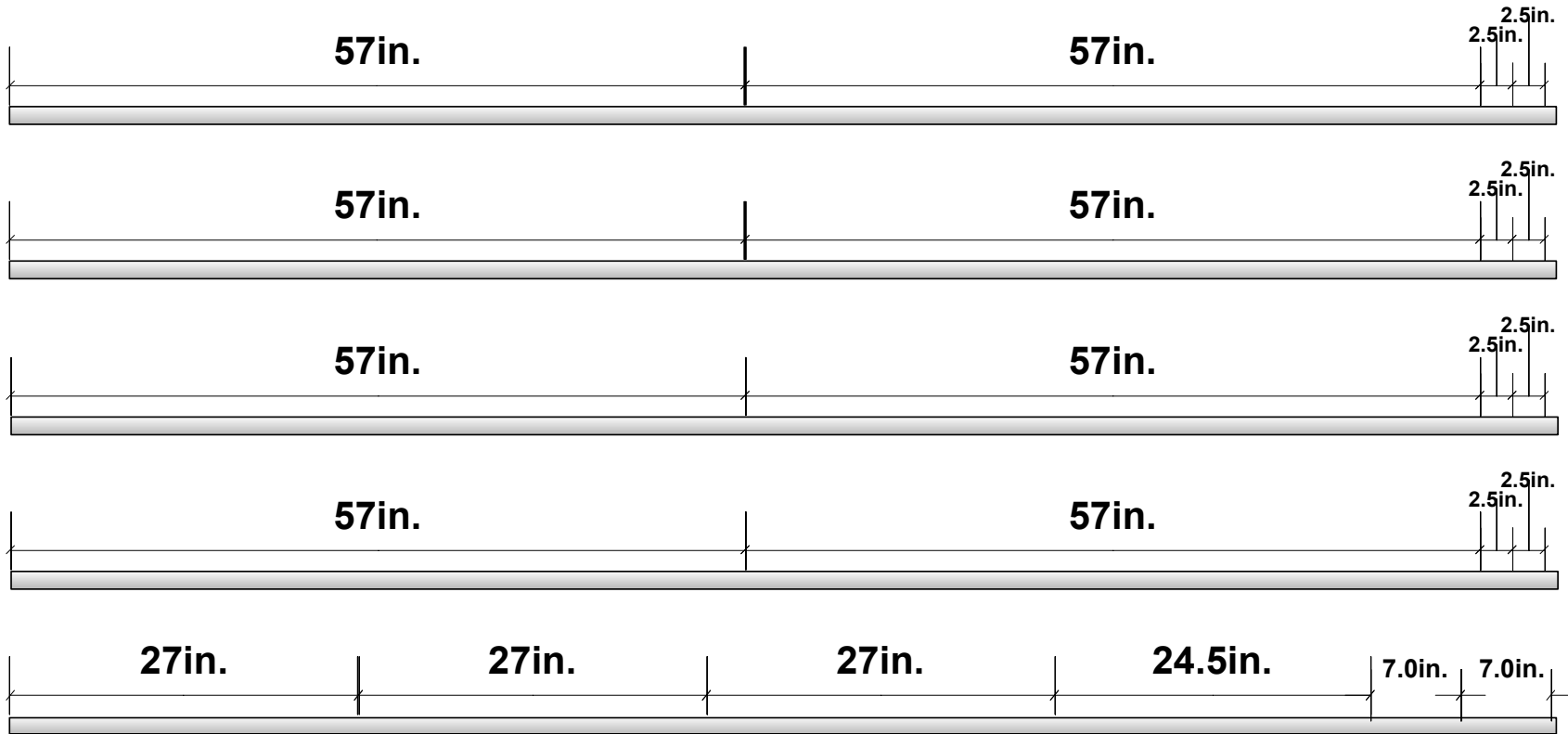
	1-1/4" 45 Degree PVC Elbow	8	F11445E
	1-1/4" PVC Pipe	150 feet	P114FGP*

*While it is recommended, FORMUFIT Furniture Grade PVC pipe is not required for this project, and Plumbing Grade pipe can be substituted.

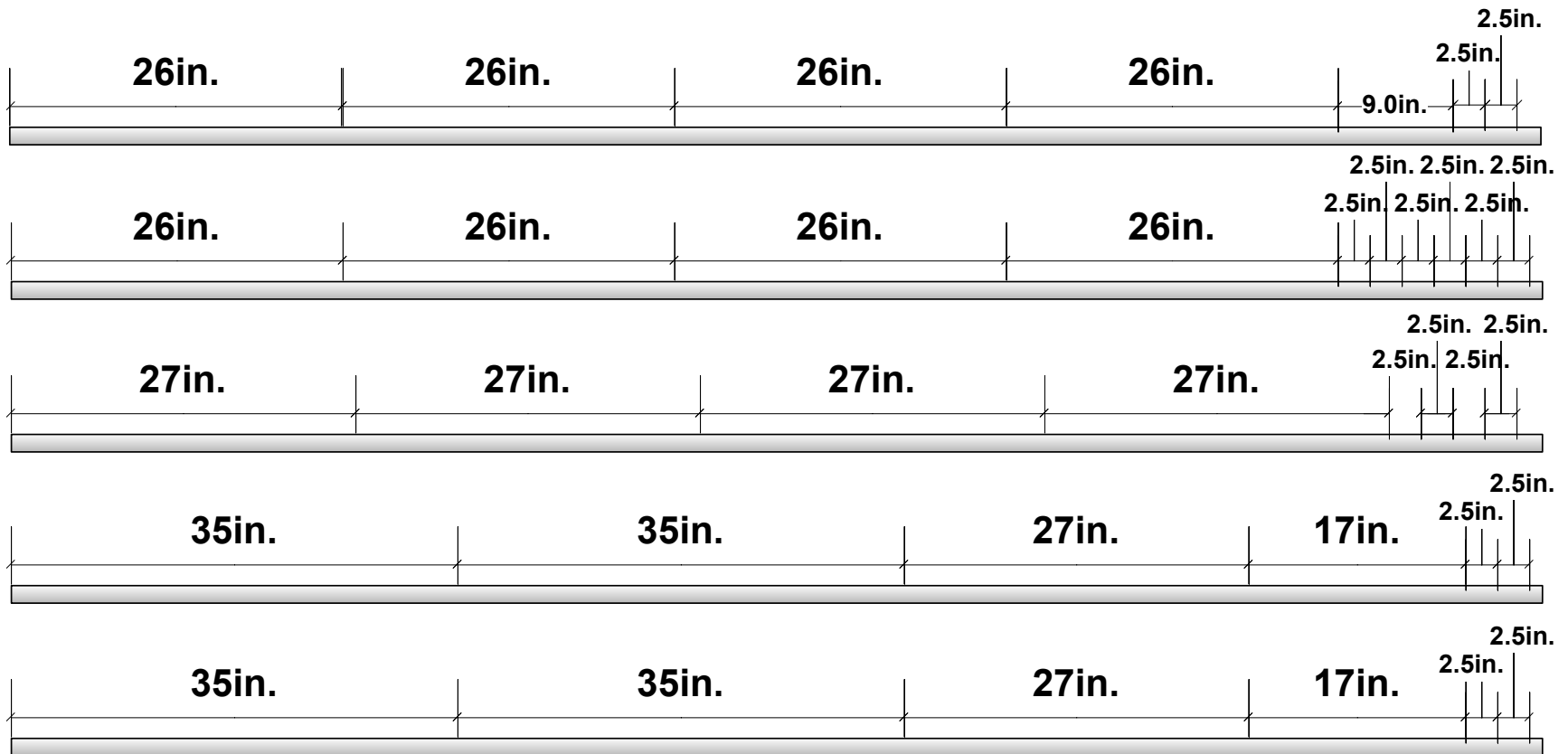
Pipe Cutting Diagram

The following diagram is provided on how to efficiently cut 10' sections of PVC pipe. The layout of the pipe cuts has been positioned to maximize pipe usage and eliminate waste.

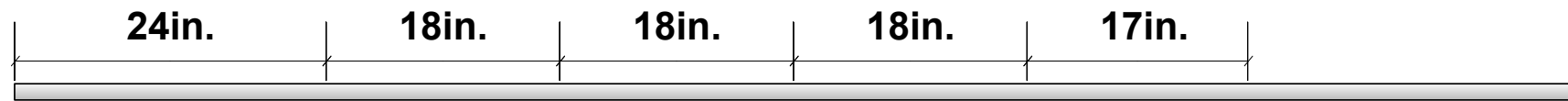
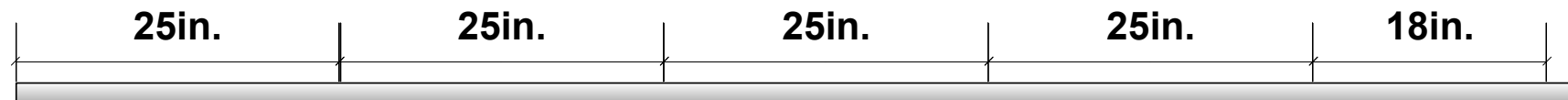
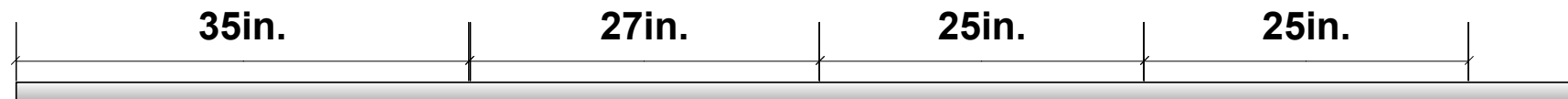
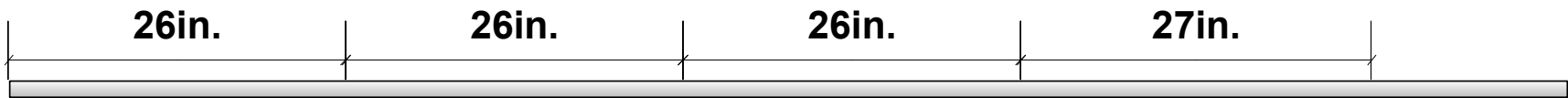
A standard plastic pipe cutter, hacksaw or miter saw can be used.



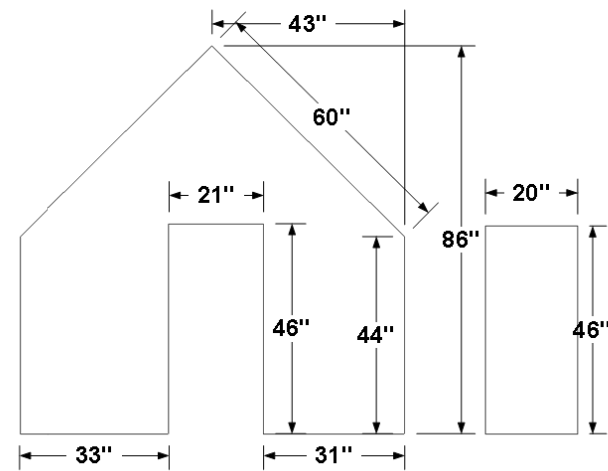
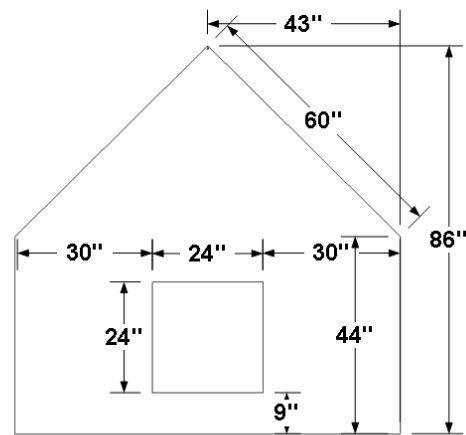
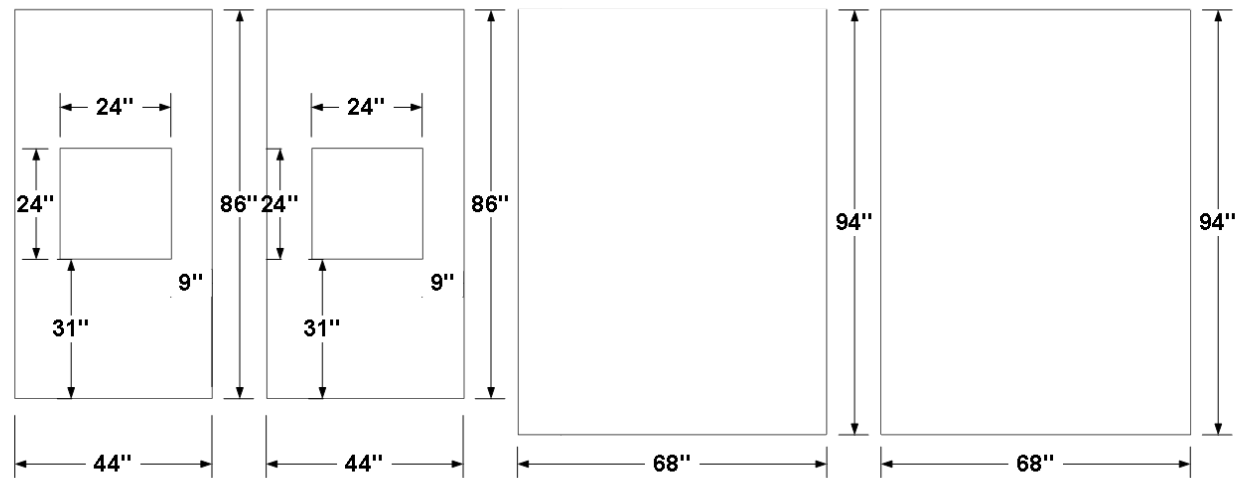
Pipe Cutting Diagram (continued)



Pipe Cutting Diagram (continued)

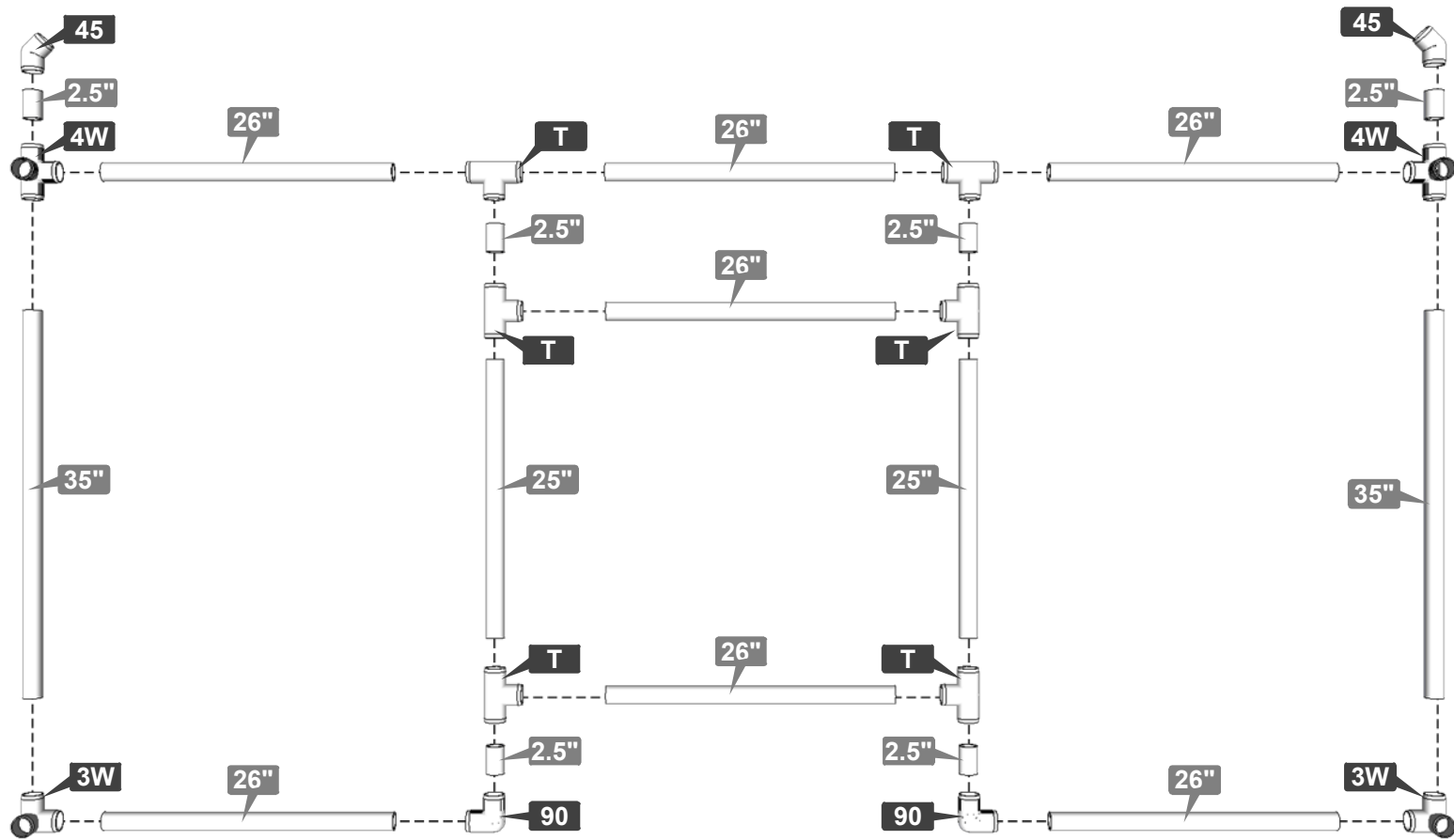


Wood and Canvas Cutting Diagram



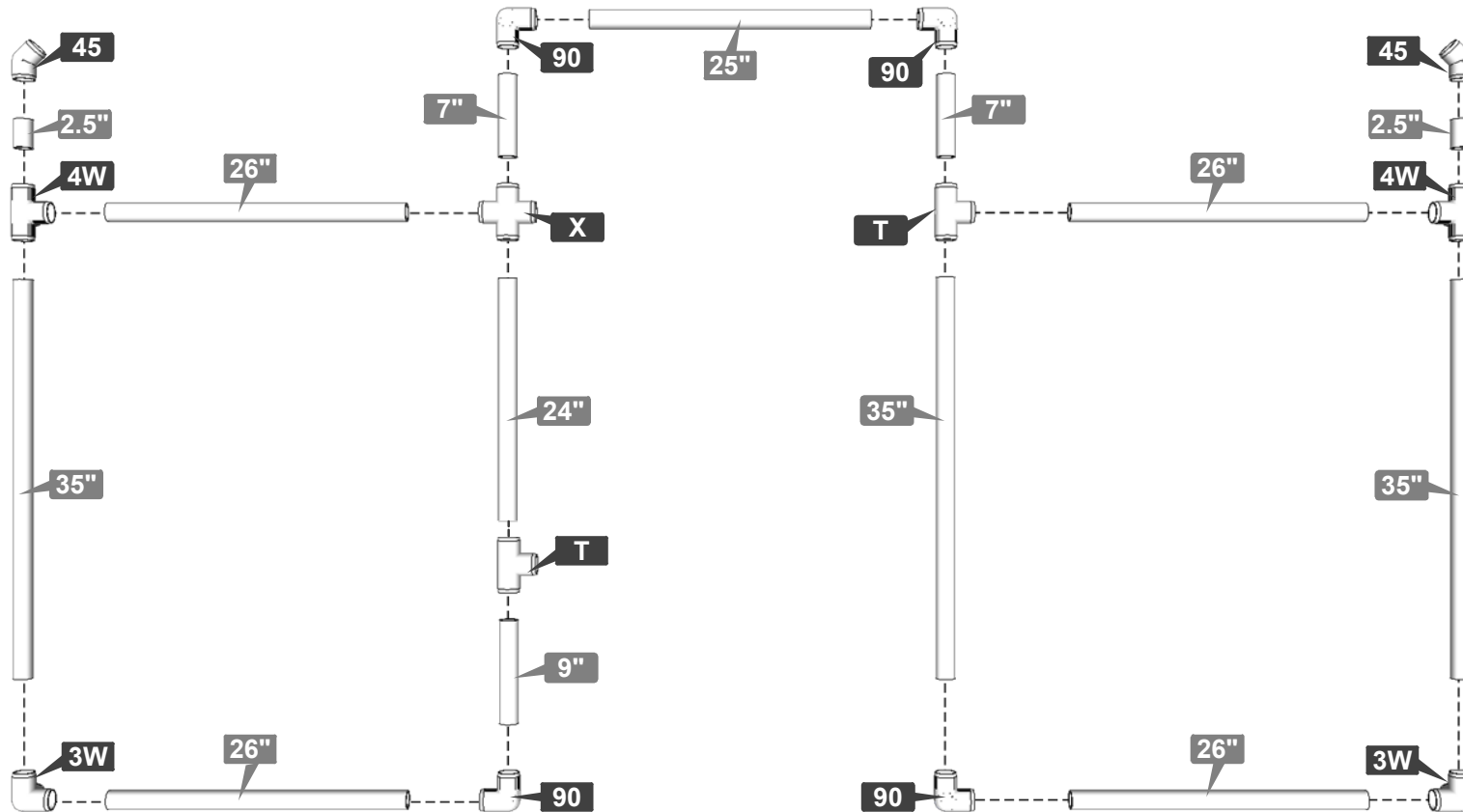
1

Assemble the lower half of the REAR WALL structure of the Large Playhouse first, using the 4-Way Tee (4W) PVC fittings, 3-Way Elbow (3W), 90° Elbows PVC fittings, 45° Elbow PVC Fittings, Tee PVC Fittings and PVC pipe, as depicted in the exploded diagram shown below:



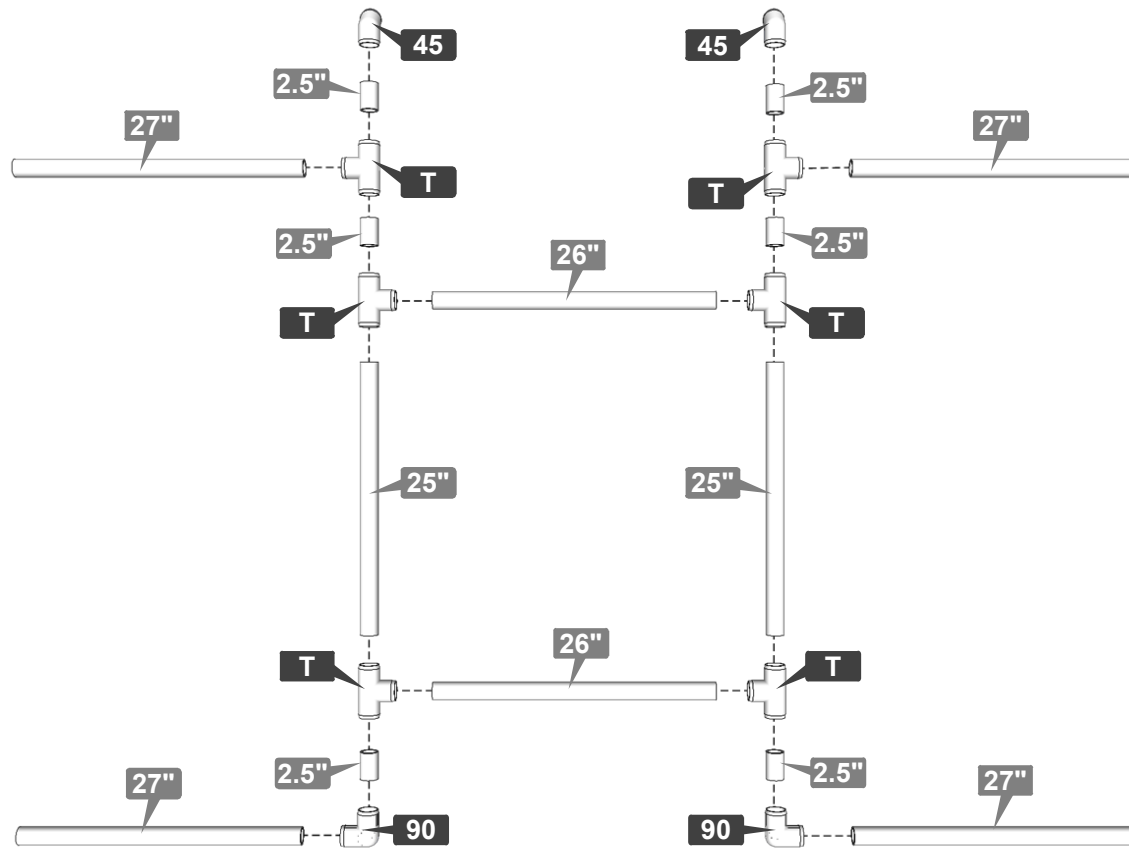
2

Assemble the lower half of the FRONT WALL structure of the Large Playhouse next, using the 4-Way Tee PVC Fittings (4W), 3-Way Elbow (3W), 90° Elbows PVC fittings (90), 45° Elbow PVC Fittings (45), Tee PVC Fittings (T), 4-Way Cross PVC Fitting (X) and PVC pipe, as depicted in the exploded diagram shown below:



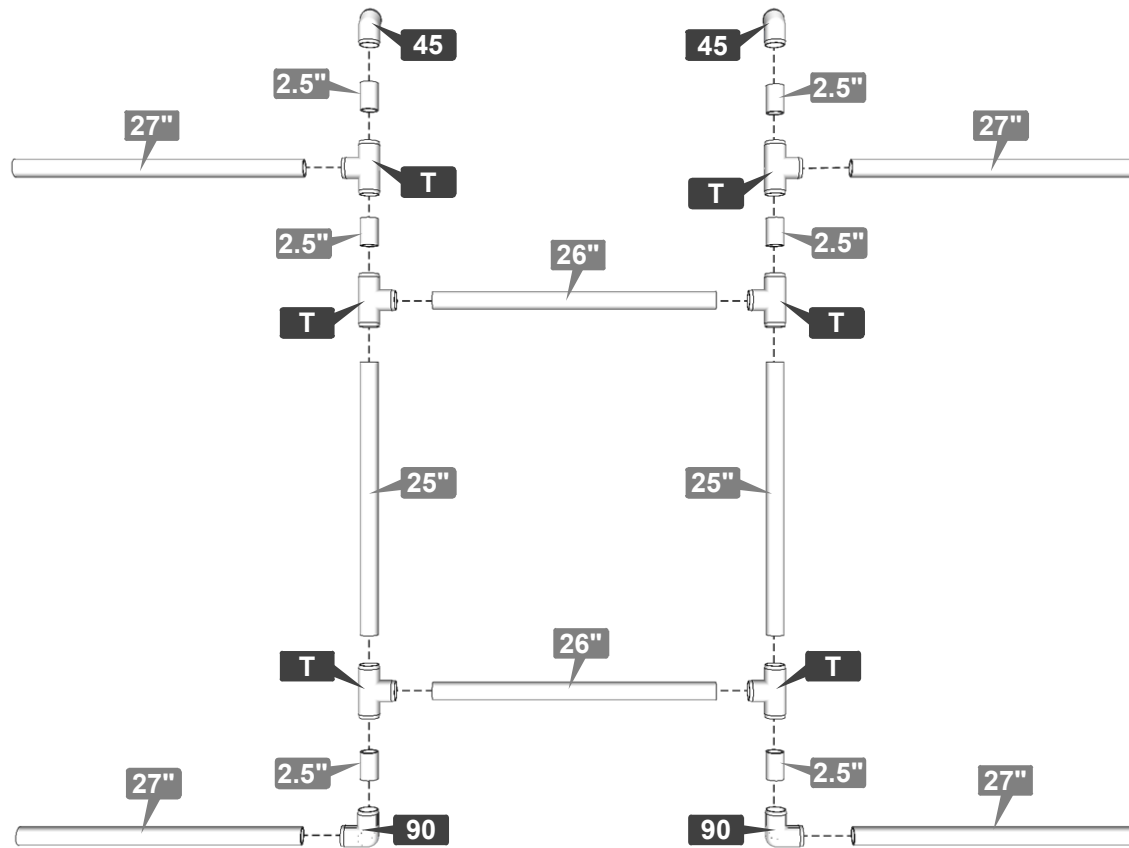
3

Assemble the lower half of the RIGHT WALL structure of the Large Playhouse, using the 4-Way Tee PVC fittings (4W), 90° Elbows PVC fittings (90), 45° Elbow PVC Fittings (45), Tee PVC Fittings (T) and PVC pipe, as depicted in the exploded diagram shown below:



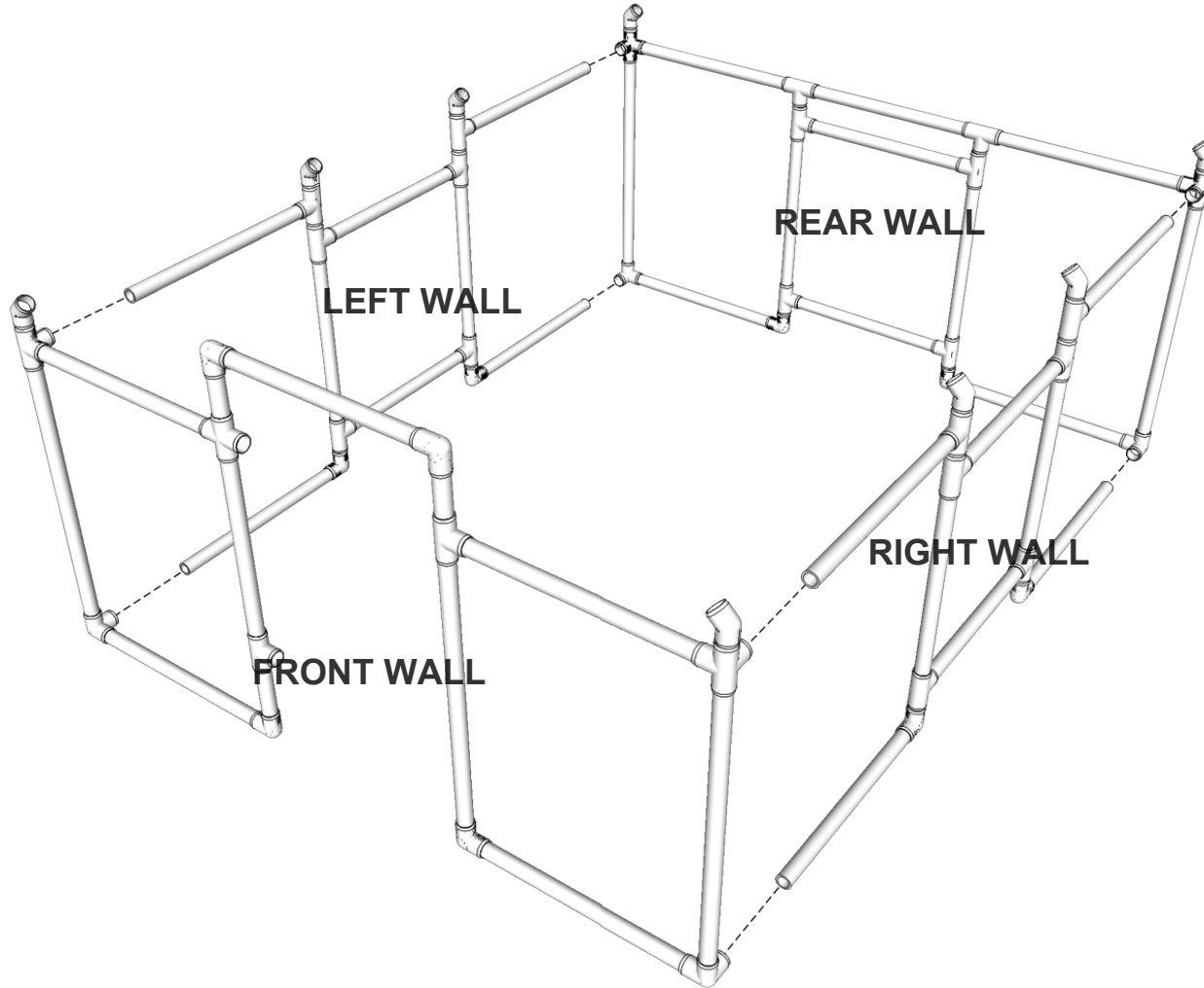
4

Assemble the lower half of the LEFT WALL structure of the Large Playhouse, using the 4-Way Tee PVC fittings (4W), 90° Elbows PVC fittings (90), 45° Elbow PVC Fittings (45), Tee PVC Fittings (T) and PVC pipe, as depicted in the exploded diagram shown below:



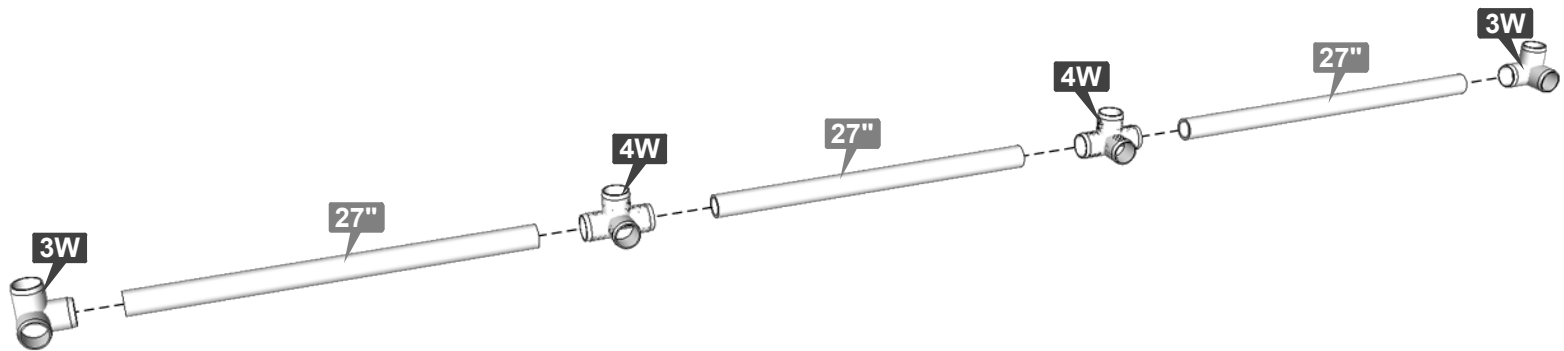
5

Connect the open ends of 27" PVC pipe of the LEFT WALL and RIGHT WALL into the 3-Way PVC Fittings and 4-Way PVC Fittings of the REAR WALL and FRONT WALL to create the COMPLETE WALL STRUCTURE:



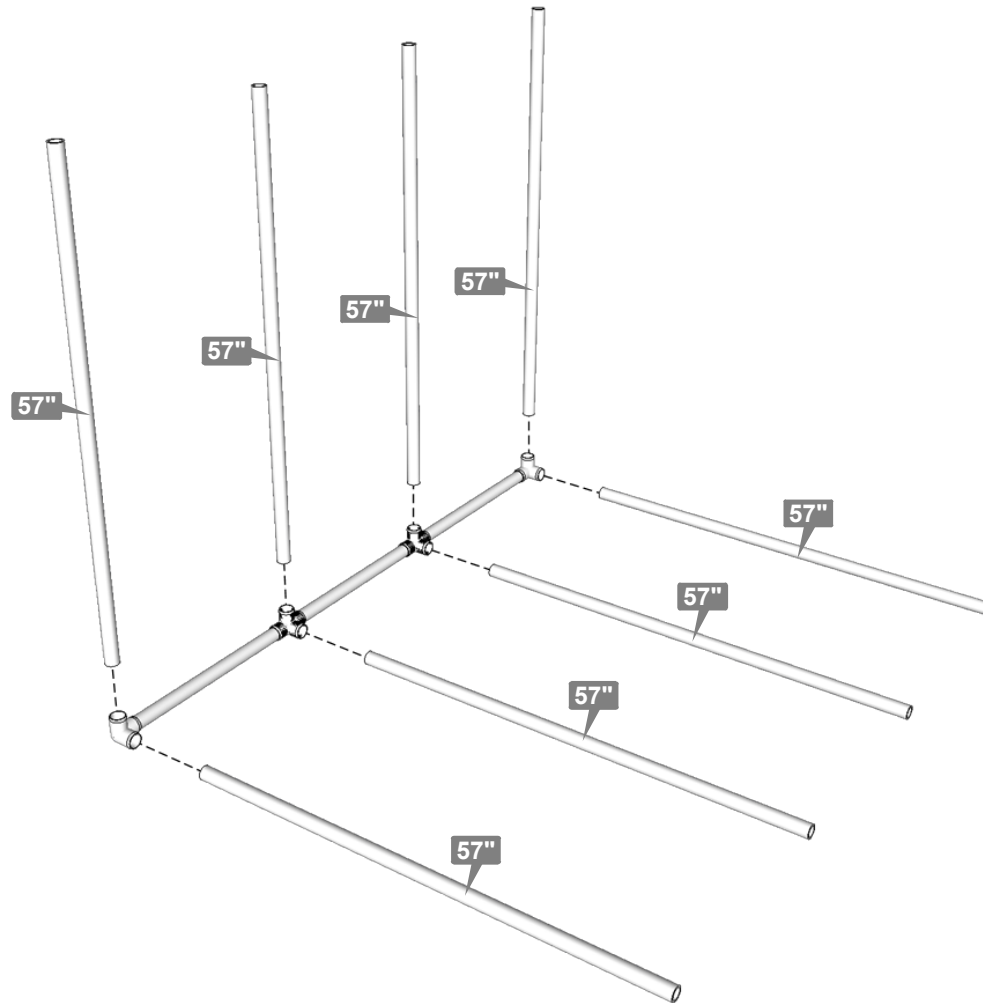
6

Connect the ROOF RIDGE element as shown in the diagram below, using the 3-Way PVC Elbows (3W), 4-Way Tees (4W) and the 27" PVC Pipe segments:



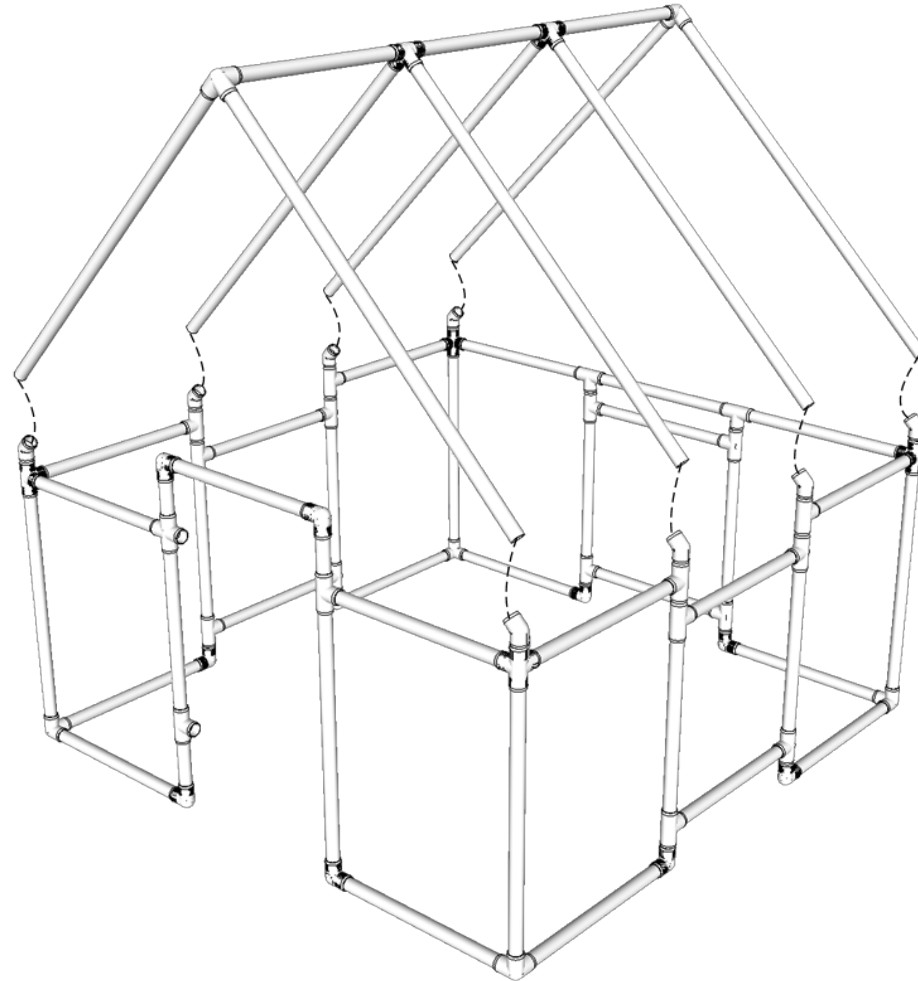
7

Insert the eight (8) 57" PVC Pipe joist segments into each of the remaining 3-Way PVC Elbow (3W) and 4-Way PVC Tee (4W) ports on the ROOF RIDGE to create the entire ROOF JOIST section:



8

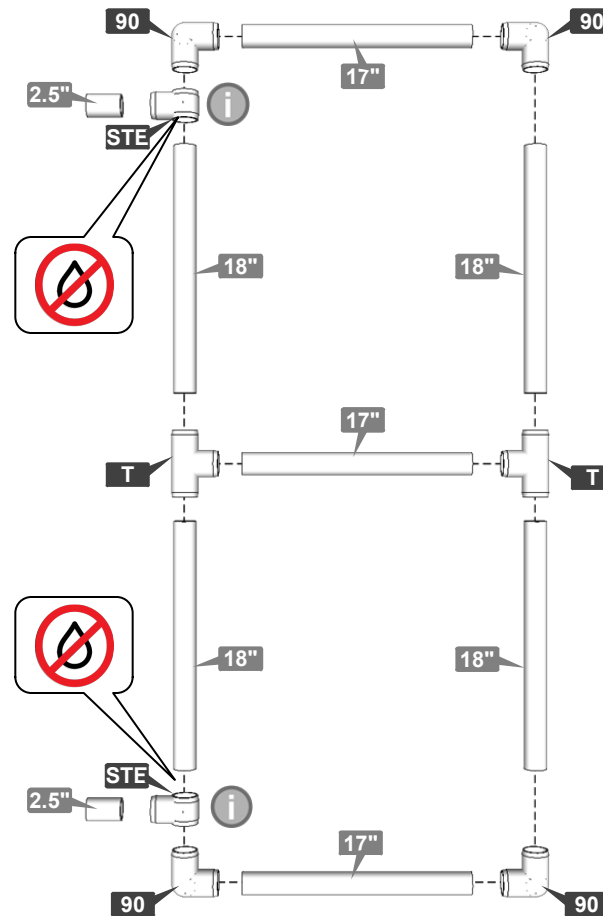
With assistance, lift the ROOF JOIST section over the COMPLETE WALL STRUCTURE. Insert each pipe end of the ROOF JOIST section into the 45 Degree Fittings (45) on the COMPLETE WALL STRUCTURE.



9

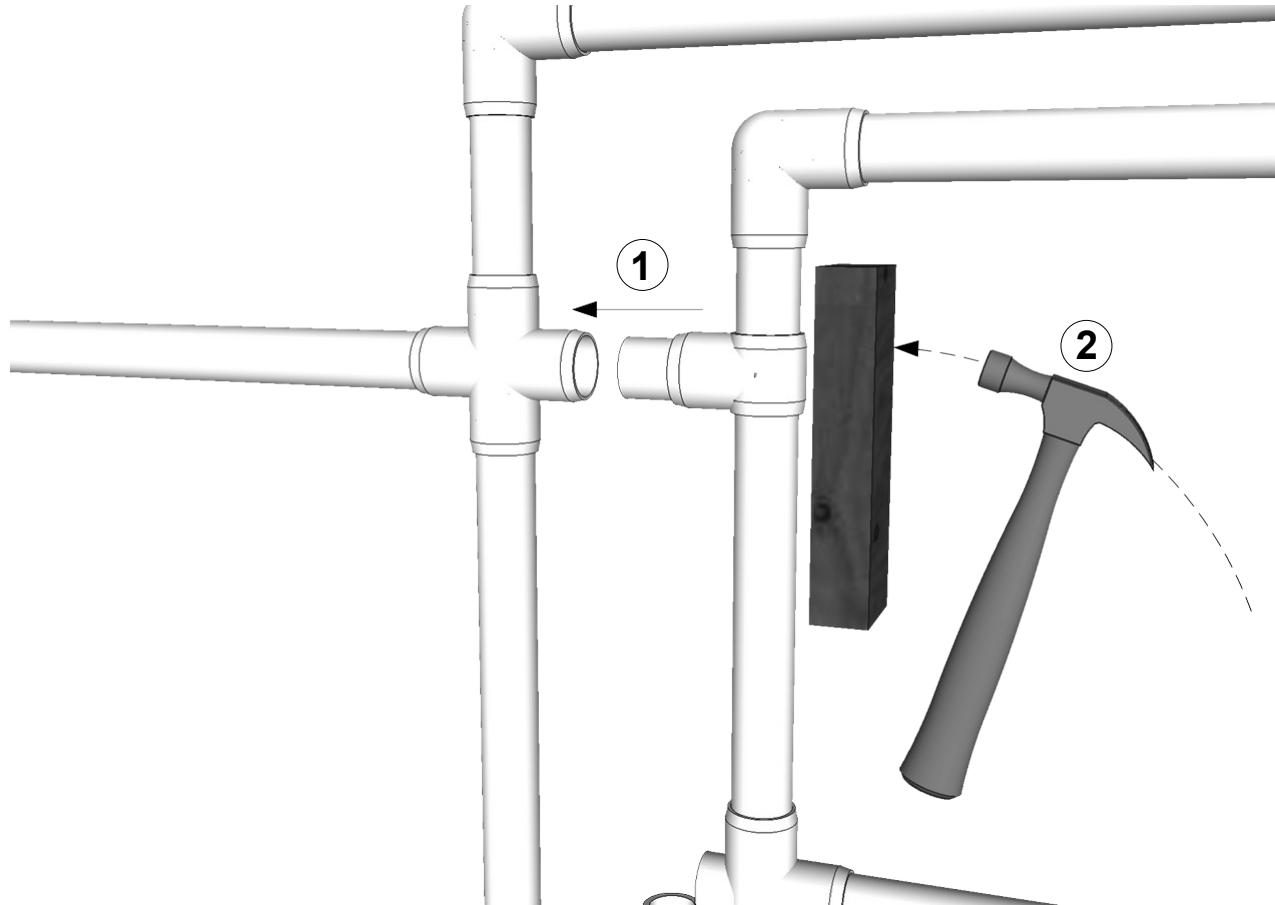
Build the door of the Large Playhouse using the 90 Degree PVC Fittings (90), the Tee PVC Fittings (T), the Slip Tees (STE) and the PVC pipe segments as shown in the diagram below:

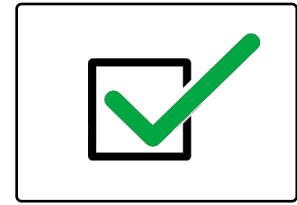
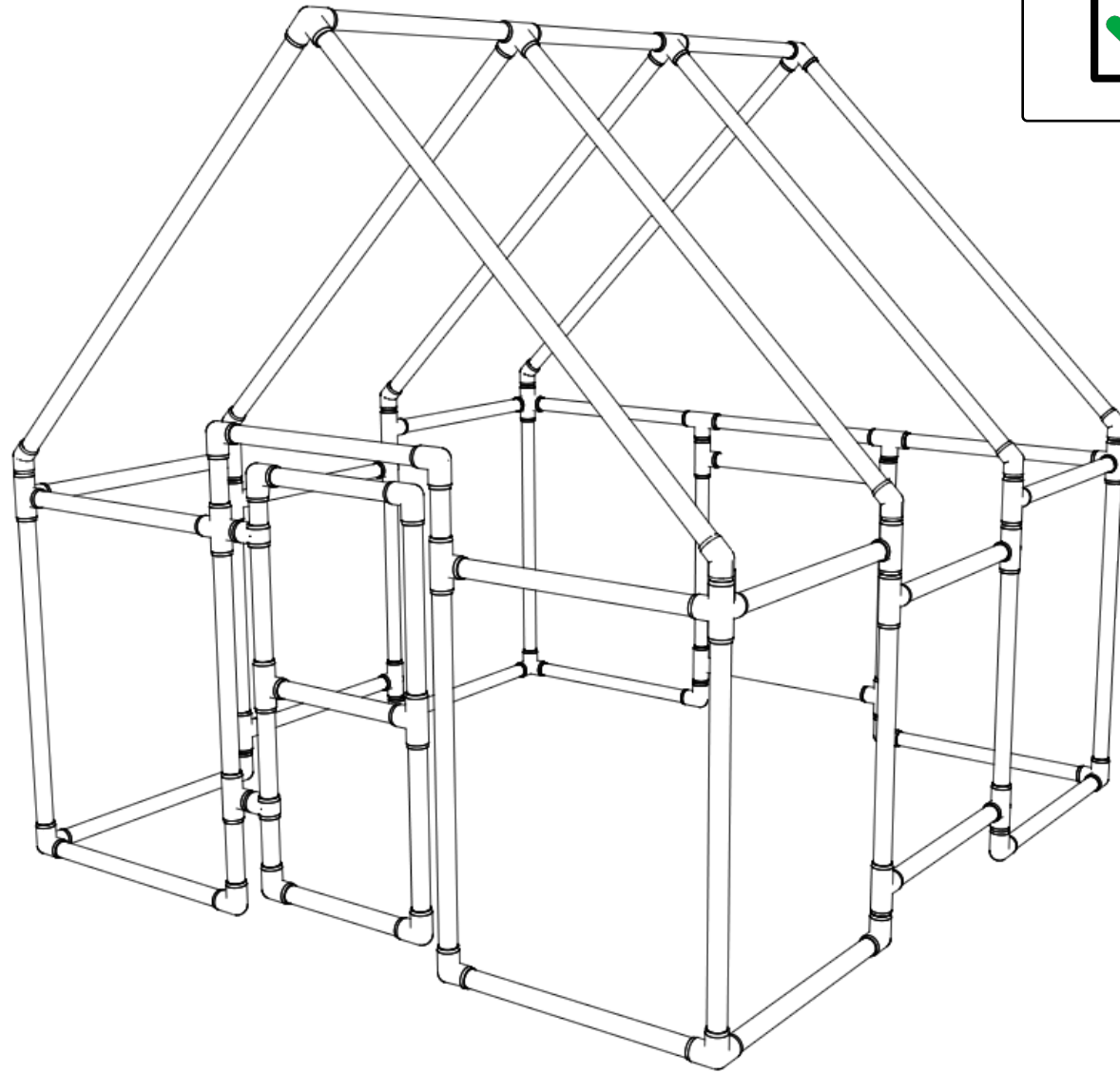
NOTE: Be certain to slide the Slip Tees (STE) over the pipe prior to cementing or screwing the 90 Degree (90) or Tee Fittings (T) into place. **DO NOT** secure the Slip Tees (STE) with cement.



10

Attach the door by (1) applying PVC Cement to the 2.5" Pipes on the Slip Tees (STE) and inserting the pipe into the Tee (T) and 4-Way Cross Fittings (X), then (2), using a hammer, tap the PVC pipe into the sockets. Additional screws can be screwed between the 2.5" pipes and fittings to create a stronger bond. DO NOT affix any cement or fasteners to the vertical end of the Slip Tee (STE).





Cover

USING PLYWOOD/MDF FOR SIDING AND ROOF

Plywood or MDF can be used to line both the exterior walls and roof of the Large Playhouse. Simply use the cutting diagram for the wood/MDF elements in the WOOD CUTTING DIAGRAM section above and cut the pieces from 1/2" MDF or plywood and fasten them to the PVC pipe using 1-1/2" threaded wood or drywall screws.



WARNING: Do not use screws longer than 1-1/2" as they may pierce the opposite side of the PVC pipe or fitting and leave a sharp point which can cut.

