



## Hose Stream Prop - Construction Recommendations

<b>Floor System (Hallway AND Room)</b>	<ul style="list-style-type: none"> <li>• Crown all floor joist material.</li> <li>• Cut wood scrap or use cinder block to level and prop the wood beams off the ground.</li> <li>• Mark joist layout on beams from interior (ensure layout pulled from the same direction).</li> <li>• Confirm all joists are crowned and the crown is installed up.</li> <li>• After all joists are installed confirm the beams and floor system is level in all directions.</li> <li>• Square the floor system by measuring corner to corner on the diagonal.</li> <li>• Confirm the floor system is square and level after installing the joist hangers.</li> <li>• After confirmed square - add any necessary blocking.</li> <li>• Recommend to solid block at each corner.</li> <li>• Corner blocking ensures end joist &amp; future casters are well secured.</li> <li>• Install the casters at each corner.</li> <li>• <b>IMPORTANT: DO NOT REMOVE LEVELING BLOCKS AT THIS TIME.</b></li> </ul>
<b>Floor Decking (Hallway AND Room)</b>	<ul style="list-style-type: none"> <li>• Locate center of the floor system adjacent to the beams on both sides of the building.</li> <li>• Snap a chalk line adjacent to the beams across all floor joists.</li> <li>• Begin install by using the chalk line as a straight edge for the first board.</li> <li>• Installing from center-out allows for installation in both directions with even rips on ends.</li> <li>• 1-5/8" decking screws are recommended.</li> <li>• Installing the last boards will require the boards to be ripped flush with the floor system.</li> </ul>
<b>Side / Long Walls (Room)</b>	<ul style="list-style-type: none"> <li>• Begin by snapping a 3.5" chalk line around the entire perimeter.</li> <li>• Recommend to begin constructing the side walls first. These are the walls that rest on top of the beams in the floor system.</li> <li>• The half walls require a double top plate which allows for easy install of sheathing.</li> <li>• Stud layout should consider the wall to include a 3.5" post located center wall.</li> <li>• Lay all three 4"x4" posts on a flat surface, each separated by a single top &amp; bottom plate.</li> <li>• Mark stud layout at 16" on center.</li> <li>• Add studs next to the posts. This will allow for a more secure installation.</li> <li>• Square each half wall by measuring corner to corner on the diagonal.</li> <li>• Confirm your overall length is 12' 8".</li> <li>• Install the window header / roof support / top wall plate (One 4"x4" at 12' 8").</li> <li>• Pre-drill &amp; lag screw header from top down onto the top of the half wall posts.</li> </ul>



<b>Window / Short Wall (Room)</b>	<ul style="list-style-type: none"><li>• Lay out the window in the center of the top and bottom plates.</li><li>• Lay out studs 16" on center allowing space for king studs on either side of the window.</li><li>• The half walls require a double top plate which allows for easy install of sheathing.</li><li>• Square the wall by measuring corner to corner on the diagonal.</li></ul>
<b>Door / Short Wall (Room)</b>	<ul style="list-style-type: none"><li>• Lay out the door on both the top and bottom plates allowing for door king and jack studs.</li><li>• Locate the door as noted on the drawings.</li><li>• Lay out studs 16" on center.</li><li>• Square the wall by measuring corner to corner on the diagonal.</li></ul>
<b>Roof Truss / Ceiling (Room)</b>	<ul style="list-style-type: none"><li>• Recommend creating a 4' by 8' working surface on a sawhorse to assemble the trusses.</li><li>• Refer to the truss diagram in the drawings for details on the 3 different truss types.</li><li>• Refer to gusset detail drawing for specifics on dimensions and cut angles of gusset plates.</li><li>• Truss are installed 24" on center.</li><li>• Three truss types:<ul style="list-style-type: none"><li>○ Field Truss (gussets both sides)</li><li>○ Gable Truss W/ Window (gussets only on inside)</li><li>○ Gable Truss W/O Window (gussets only on inside)</li></ul></li></ul>
<b>Finish Materials (Hallway AND Room)</b>	<ul style="list-style-type: none"><li>• Install all synthetic PVC prior to plexiglass.</li><li>• Synthetic PVC should be installed with exterior grade cabinet head screws GRK 2" 5/8".</li><li>• Apply 1/2"rips of synthetic PVC to the window jambs (All EXCEPT the top jamb) prior to building window shutters.</li><li>• Pre-drill all fastener locations when installing the plexiglass.</li><li>• Plexiglass should be installed with exterior grade framing screws GRK 2".</li><li>• Screw spacing for plexiglass and synthetic PVC should be 12" around board and field.</li></ul>

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