



Hose Stream Prop - Hallway Specific Materials	
Floor	(6) pressure treated 2" x 6" x 20' (2 triple stringer beams) (10) pressure treated 2" x 6" x 8' (17 floor joist 16" on center) (6) pressure treated 2" x 6" x 8' (2 triple beam outriggers/caster arms) (9) pressure treated 5/4" x 6" x 20' (decking surface)
Walls	(60) pressure treated 2" x 4" x 8' (wall studs & bracing) (4) pressure treated 2" x 4" x 20' (top and bottom wall plates) (10) pressure treated 4" x 4" x 8' (structural posts and outrigger buttress support)
Ceiling	(2) pressure treated 2" x 6" x 20' (2 single ceiling rim joist flush to outside walls) (10) pressure treated 2" x 6" x 8' (ceiling joists)
PVC (Synthetic Trim)	(3) sheets synthetic PVC 4' x 18' x 1/2" (2) sheets synthetic PVC 4' x 8' x 1/2"
Plexiglass (Acrylic)	(8) sheets plexiglass 4' x 8' x 1/2"
Hardware	(30) 2" x 6" galvanized joist hangers (4) 6" OR 8" casters (recommended 1000 lb capacity or greater) - galvanized framing nails - exterior framing screws (GRK) - various lag screws (GRK) 1-5/8" exterior grade cabinet head screws (GRK)
Hose Stream Prop - Bedroom Specific Materials	
Floor	(6) pressure treated 2" x 6" x 14' (2 triple stringer beams) (14) pressure treated 2" x 6" x 10' (13 floor joist 16" on center, 1 extra for blocking) (24) pressure treated 5/4" x 6" x 14' (decking surface)
Walls	(6) pressure treated 4" x 4" x 8' (6 posts) (2) pressure treated 4" x 4" x 16' (2 window headers/roof support) (30) pressure treated 2" x 4" x 8' (studs & nailers) (16) pressure treated 2" x 4" x 12' (top and bottom wall plates, sill plates, and bracing)
Roof Truss / Ceiling	(16) pressure treated 2" x 6" x 10' (rafter portion of truss) (12) pressure treated 2" x 6" x 16' (bottom cord/ceiling and collar tie brace for top gusset and fascia) (6) pressure treated 2" x 4" x 8' (gable truss & nailers) (2) sheets pressure treated 4' x 8' x 1/2" plywood (ridge & tail gusset plates) joist flush to outside walls) (10) pressure treated 2" x 6" x 8' (ceiling joists)
PVC (Synthetic Trim)	(5) sheets synthetic PVC 4' x 12' x 1/2" (ceiling and long wall) (2) sheets synthetic PVC 4' x 10' x 1/2" (window/door short walls)
Plexiglass (Acrylic)	(5) sheets plexiglass 4' x 10' x 1/2" (all walls and window shutters) (8) sheets plexiglass 4' x 8' x 1/2" (roof and gable trusses)
Hardware	(4) 6" OR 8" casters (recommended 1000 lb capacity or greater) (4) 4" galvanized hinges (2) galvanized latch bolts - galvanized framing nails - exterior framing screws (GRK) - various lag screws (GRK) 1-1/2" galvanized staples 1-5/8" exterior grade cabinet head screws (GRK) (22) 2" x 6" galvanized joist hangers

Hose Stream Prop - Complete Materials List To Order

**** THIS LIST COMBINES THE MATERIALS FROM THE ROOM AND THE HALLWAY
FOR A COMPLETE LIST FOR THE PROJECT IN ITS ENTIRETY ****

Framing	• (8) pressure treated 2" x 6" x 20' • (12) pressure treated 2" x 6" x 16' • (6) pressure treated 2" x 6" x 14' • (30) pressure treated 2" x 6" x 10' • (32) pressure treated 2" x 6" x 8' • (2) pressure treated 4" x 4" x 16' • (16) pressure treated 4" x 4" x 8' • (4) pressure treated 2" x 4" x 20' • (16) pressure treated 2" x 4" x 12' • (90) pressure treated 2" x 4" x 8'
Decking	• (9) pressure treated 5/4" x 6" x 20' • (24) pressure treated 5/4" x 6" x 14'
Plywood	• (2) pressure treated 4' x 8' x 1/2" plywood sheets
PVC (Synthetic Trim)	• (3) 4' x 18' x 1/2" sheets • (5) 4' x 12' x 1/2" sheets • (2) 4' x 10' x 1/2" sheets • (2) 4' x 8' x 1/2" sheets
Plexiglass (Acrylic)	• (5) 4' x 10' x 1/2" sheets • (16) 4' x 8' x 1/2" sheets
Hardware	• (52) 2" x 6" galvanized joist hangers • (2) 2" x 6" galvanized triple joist hangers • (8) 6" OR 8" casters (recommended 1000 lb capacity or greater) • (4) 4" galvanized hinges • (2) galvanized latch bolts • galvanized framing nails • exterior framing screws: 2-5/8" and 3-1/8" and 4" (GRK) • various lag screws: 4" and 5" and 6" • 1-1/2" galvanized staples • 1-5/8" exterior grade cabinet head screws (GRK)
Doors	• (2) stainless steel passage knobs • (1) 32" x 80" pre-hung exterior steel door w/ PVC jamb – left hand swing • (1) 36" x 80" pre-hung exterior steel door w/ PVC jamb – right hand swing

Hose Stream Prop – Air Entrainment Streamer Information

The streamers utilized to visualize the air movement into and out of the prop can be accomplished in several different ways. The streamers seen in the training videos as a part of this toolkit are orange PVC safety flags, typically 18" by 18", and found at your local hardware or big-box supply store.

We elected to cut strips into the PVC material to provide individual streamers and easier visualization of the movement of the flag. Two flags, at two different heights, are mounted horizontally onto the framing material at the start of the hallway via a copper tube/pipe strap and two exterior-grade wood screws.

An alternate method would be to secure black, steel wire across the opening of interest and tie either caution or surveyors tape in several places along the wire to serve as individual streamers.

