Mueller Backyard Building Kits are not engineered structures and do not meet any specific building code criteria. For video installation instructions, visit our website at www.muellerinc.com/downloads-home/videos-home

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PARTS LIST

Refer to the parts list on the itemized invoice delivered with your building. All parts are stenciled on the inside of the channel, purlin, girts and rafters. Example of this below:
TYPES OF SCREWS

TEK Screw
For attaching sheet metal to purlin

Lap TEK Screw
For attaching sheet metal to sheet metal

NOTE: Make sure to use TEK screws to attach sheets to purlins, lap TEK screws to attach sheets to sheets.
BASE LAYOUT (BC-1 AND BP-1)

**NOTE:** Leading and trailing edge of channels are overbent for a tight fit. Spread apart as needed to nest the purlin into the channel.

Leveling and proper blocking is critical for the base layout.

**BASE LAYOUT (BC-1 AND BP-1)**

**STEP 1**
Insert BP-1 into BC-1

**STEP 2**
Add MKB-1 (Galvanized MKB-2) to top of BP-1 into BC-1

**STEP 3**
MAKE SURE THE ASSEMBLY IS SQUARE

NOTE: Mueller recommends the building be placed on leveling blocks (not included) to support the base channel and purlins. Mueller also recommends the building be anchored to the ground or foundation. The method of anchor is at the owner’s discretion.

Make sure the assembly is square. Assembly is square when the corner to corner measurements are equal.
FLOOR KIT (OPTIONAL)

NOTE: Mueller recommends the building be placed on leveling blocks (not included) to support the base channel and purlins. Mueller also recommends the building be anchored to the ground or foundation. The method of anchor is at the owner’s discretion.
FLOOR KIT (OPTIONAL)

**OPTION 1**
Notching

**OPTION 2**
Slotting
Slotting is for column flange

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**RUD Flashing 13.125”**
#1702

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Notch plywood 6 3/4" x 6' 3 1/2" to allow for roll up door installation (base channel is covered by DIY RUD Flashing #1702). Mark the center of the building and use notch dimensions above to create the correct notch location.

**DO NOT NOTCH PLYWOOD IF USING OPTIONAL DOUBLE WALK DOOR**
ERECTING COLUMNS (C-1)

Attach column to MKB-1 (Galvanized MKB-2) clip using 1/2"x1" Fin Head Bolts

HINT: Add clips to top of columns before standing up.
RAFTERS (R-1)

Bolts should remain loose until EC-1 is installed

Place one bolt as shown.
EAVE CHANNEL (EC-1)

Tighten bolts after EC-1 is installed.
RAFTERS (R-2)
MAKE SURE THE ASSEMBLY IS SQUARE AND LEVEL

Make sure the assembly is square. Assembly is square when the corner to corner measurements are equal. Use temporary bracing (not included) to hold assembly square if required.
RAFTERS AND BASE PURLIN (R-1 AND BP-1)
ROOF PURLIN (RP-1 AND RP-2)

Open side of RP-1 and RP-2 faces to center of building
DOOR AND DOOR TRIM (DC-1)
DOOR AND DOOR TRIM (MKB1 CLIPS)
DOOR JAMBS (C-1)
DOOR HEADER (DH-1)
DOOR TRIM AND MID-GIRTS
(OPTIONAL - MG-1, MG-2 AND MG-3)

NOTE: Bolt to inside of column leg

To attach MG-3, use TEK screws to go through door trim, door frame and girt.

NOTE: If using optional walk door, set jamb trim inside measurement at 5' 10 ¼".
WINDOW (OPTIONAL)

Start sheet 3/4" past steel line. Sheet 1" above bottom of base channel.
SHEETING SCREW PLACEMENT

WALL SHEETS

Place sealer tape between roof sheets only.

NOTE: Make sure to use TEK screws to attach sheets to purlins, lap TEK screws to attach sheets to sheets.
SHEETING

NOTE: Make sure the frame is plumb and level, and tighten all bolts prior to sheeting. Repeat for each wall.

NOTE: For side with door, start sheets flush with J-trim on both sides of the door.
SHEETING (NOTE SOME SHEETS ARE LONGER)

NOTE: Sheets are stepped. Longer sheets are in the middle of the D.I.Y.
**SHEETING ENDWALL WITH RUD DOOR**

To install the RUD, see the RUD video and instructions.

**IMPORTANT: 1” above the bottom of the base channel**

**NOTE:** If using optional walk door, set jamb trim inside measurement at 5’ 10 ½”.

**TOP VIEW**

Inside closure goes on the bottom and outside closure goes on top.

**NOTE:** Start sheets inside of J-Trim 1” above the bottom of the base purlin
NOTE: Start sheets 1" above the bottom of the base channel and 1" out from endwall
SHEETING ENDWALL WITHOUT DOOR

NOTE: Start sheets 1” above the bottom of the base purlin and 1” out from the sidewall.
CORNER TRIM
BACK SIDE WALL

Roof to wall sheet alignment

Align major ribs from wall to major rib on roof

**NOTE:** Make sure panels remain square during installation.
SHEETING THE ROOF

Align roof sheets with wall sheets

Place sealer tape between roof sheets to avoid leaks

CAUTION: Use scaffold boards (not included) when installing roof panel sheets/trim

NOTE: Use TEK screws at the purlins

Use Lap TEK screws every 20" vertically
ROOFING TRIM DETAILS

CAUTION: Use scaffold boards (not included) for support while installing roof sheets and trim.

NOTE: A chalk line will assist in closure and ridge roll placement.
SKYLIGHT RIDGE ROLL INSTALLATION

CAUTION: Use scaffold boards (not included) for support while installing roof sheets and trim

HINT: Screw corner of ridge roll and middle first to maintain pitch. Install remainder of screws.
TOTAL BUILDING MEASUREMENTS

- Width: 18'2" (21'2"
- Length: 21'2"
- Height: 8'2"
- Door Height: 9'1"