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

9' x 12' x 7' Backyard Building with Optional Center Girts and Floor Kit Instructions

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

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

Leveling and proper blocking is critical for the base layout.
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.
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.

Triangles are for door centering
FLOOR KIT (OPTIONAL)

OPTION 1
Notching

OPTION 2
Slotting
Slotting is for column flange
ERECTING COLUMNS (C-1)

Attach column to MKB-1 (Galvanized MKB-2) clip using 1/2" x 1" 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.
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.
ROOF PURLIN

Open side of RP-1 faces to center of building
DOOR AND DOOR TRIM

- Notch and bend trim as shown
- Door Jamb
- J Trim
- TEK Screw
- Door

TOP VIEW
MID-GIRTS
(OPTIONAL - MG-1, MG-2 AND MG-3)

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

NOTE: Bolt to inside of column leg
DOUBLE DOORS (OPTIONAL)

NOTE: If using optional walk door, set jamb trim inside measurement at 5’ 10 ¼”
MID-GIRTS (DOUBLE DOORS)
(OPTIONAL - MG-1, MG-2 AND MG-3)
WINDOW (OPTIONAL)

Start sheet 1" in from steel line. Sheet 1" above bottom of base channel

NOTE: Sheets below window will need to be field cut for window assembly.
Install one full sheet, then partial sheet. Insert window and flap flush to sheet. Add drip edge window trim when installing eave trim.
See installation instructions included with the window packaging.
SHEETING SCREW PLACEMENT

WALL SHEETS

36"

10" 12" 12" 12"

Lap TEK Screw TEK Screw TEK Screw TEK Screw

ROOF SHEETS

36"

10" 12" 12" 12"

Lap TEK Screw TEK Screw TEK Screw TEK Screw

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 ENDWALL WITH SINGLE DOOR

IMPORTANT: 1" above the bottom of the base channel

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 channel
**Sheeting Sidewall with Optional Double Door**

**IMPORTANT:** 1" above the bottom of the base channel.

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**NOTE:** Start sheets inside of J-Trim 1" above the bottom of the base channel.

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**NOTE:** If using optional walk door, set jamb trim inside measurement at 5' 10 1/8".
SHEETING SIDEWALL

NOTE: Start sheets 3/4" past from corner channel and start sheet 1" above the bottom of the base channel.
SHEETING ENDWALL

NOTE: Start sheets 1" in from corner channel and start sheet 1" above the bottom of the base purlin.
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.
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.

NOTE: If optional double door is used, roof and wall sheets will not align.
SHEETING THE ROOF

Align roof sheets with wall sheets
Place sealer tape between roof sheets only

CAUTION: Use scaffold boards 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.

- Inside rake trim goes behind outside rake trim
- Outside rake trim
- Wall sheet
- Door below the trim
- Lap TEK Screw
- Cut and fold at center
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

12'4"
7'1"
7'7"
9'7"