BODYGUARD® COMPOSITES

COMMERCIAL AND MOBILITY CEILING KIT INSTALLATION FOR RAM PROMASTER AND FORD TRANSIT VANS

BODYGUARD®
COMPOSITES

On behalf of Bodyguard and Malley Industries, congratulations and thank you for purchasing our interior van products.

Malley Industries is one of North America's premiere manufacturers of ambulances, patient transfer units and mobility vehicles. Bodyguard composite interiors are in all of these vans because they are rugged, safe, and easy-to-clean.

Bodyguard Composites follow Malley's strict manufacturing process controls. With tens of thousands of our products in commercial and emergency vehicles throughout North America, Bodyguard's noise-reducing, lightweight interior products will provide years of protection while improving the fuel efficiency of your van.

Terry Malley

President & CEO

BODYGUARD® COMPOSITES

FORD TRANSIT CEILING KITS		
A	MI-LIN1108WHT-0D	FORD TRANSIT CEILING PANEL (NO DOME LIGHT INSERTS)
A	MI-LIN1108WHT-2D	FORD TRANSIT CEILING PANEL (WITH DOME LIGHT INSERTS)
B	MI-LIN1119	CEILING JOINT (IF APPLICABLE)
C	MI-LIN987WHT	FORD TRANSIT CEILING BLANK EXTENSION (IF APPLICABLE)

RAM PROMASTER CEILING KITS		
A	MI-LIN1108WHT-0D	RAM PROMASTER CEILING PANEL (NO DOME LIGHT INSERTS)
A	MI-LIN1108WHT-2D	RAM PROMASTER CEILING PANEL (WITH DOME LIGHT INSERTS)
B	MI-LIN1119	CEILING JOINT (IF APPLICABLE)
C	MI-LIN987WHT	RAM PROMASTER CEILING BLANK EXTENSION (IF APPLICABLE)
D	MI-LIN1109	RAM PROMASTER CEILING EXTENSION (IF APPLICABLE)

HARDWARE REQUIREMENTS		QTY REQUIRED FOR:					
		FORD TRANSIT			RAM PROMASTER		
		MID ROOF	HIGH ROOF	HIGH ROOF EXT	HIGH ROOF 136"	HIGH ROOF 159"	HIGH ROOF 159" EXT
E	#8-18 x 3/4" Phillips Pan Head #2 Self-Drilling Screws	58	52	66	58	73	80
F	45-13715 - Snap Cap Washers	58	52	66	58	73	80
G	45-12975 - Snap Caps	58	52	66	58	73	80

SUGGESTED TOOLS:

- PHILLIPS-HEAD SCREWDRIVER

E
Self-Drilling Screws

F (45-13715)
Washers

G (45-12975)
Snap Caps

Ensure you have all required hardware and equipment prior to beginning installation.

WARNING: PRIOR TO DRILLING INTO THE VEHICLE, CHECK BEHIND DRILLING LOCATIONS FOR ELECTRICAL WIRES, FUEL/BRAKE LINES, AND OTHER CRITICAL COMPONENTS. ADJUST THE DRILLING LOCATIONS TO ENSURE THAT YOU AVOID CONTACT WITH THESE COMPONENTS. FAILURE TO DO SO CAN RESULT IN SERIOUS INJURY OR DEATH, AND CAUSE SEVERE DAMAGE TO THE VEHICLE'S FUNCTIONALITY.

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MI-LIN1111WHT Ram ProMaster 159” WB High Roof **9**

MI-LIN1112WHT Ram ProMaste 159” WB Extended High Roof **10**

INSTALLATION INSTRUCTIONS:

Optional: If desired, install insulation along the ceiling. Cut the insulation so that it does not cover the ribs in the ceiling.

Step 1: Install some 1/4” plywood across the flat ceiling surface. Each new section of plywood should be secured together by 5” to 6” splices of 1/4” plywood, to make a single ceiling piece. The splices go on the back side of the ceiling against the insulation when installed. The installation of the plywood should start from the rear of the vehicle as far back against the rear door frame as possible without crushing any wires that may be present. If your ordered ceiling has dome light cut-outs, measure and cut the location through the plywood before attaching to the ceiling. We suggest using coarse #6 x 1” drywall screws to secure the plywood to the vehicle ceiling ribs.

Step 2: For dome light wiring, we suggest tapping into the OEM dome lights of the cargo area and extending the wire to the plywood hole locations. Note that the OEM dome lights will likely need to be removed and will not be needed to complete the installation. Round 8” dome lights are what will fit in the optional dome light inserts of the ceiling.

Step 3: Refer to the diagram associated with your vehicle and secure the ceiling panels in the marked locations using (**E**) self-tapping screws, (**F**) washers, and (**G**) snap caps.

a. The red circles indicate locations to put grey snap caps if you have bought the matching wall liners and trim pieces (sold separately). The red circle locations are only secured after the walls and trims are installed over the edge of the ceiling panels. Otherwise, use white snap caps.

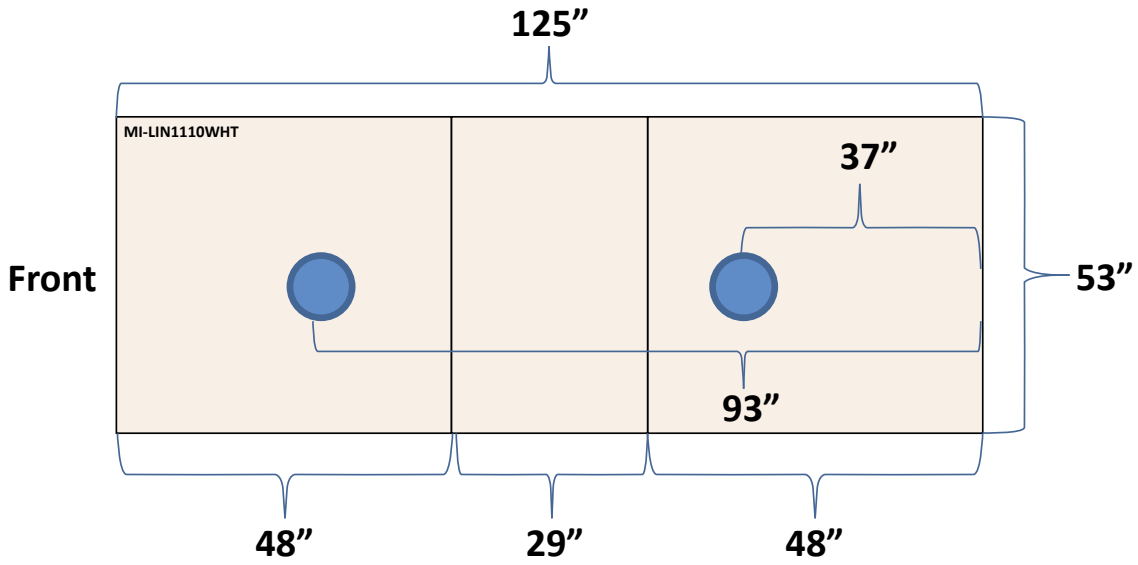
b. Refer to the Bodyguard Order of Installation Guide document on the website.

Represents 1 7/8” hole for optional dome lights.

Indicates attachment locations.

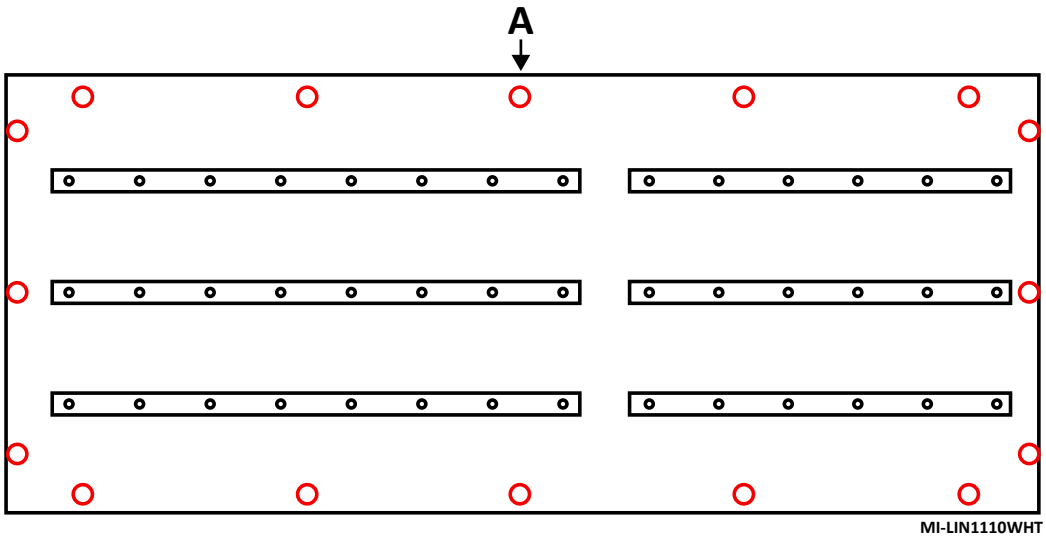
FORD TRANSIT: 148” WB MID ROOF / LOW ROOF – MI-LIN1110WHT

PLYWOOD CEILING:



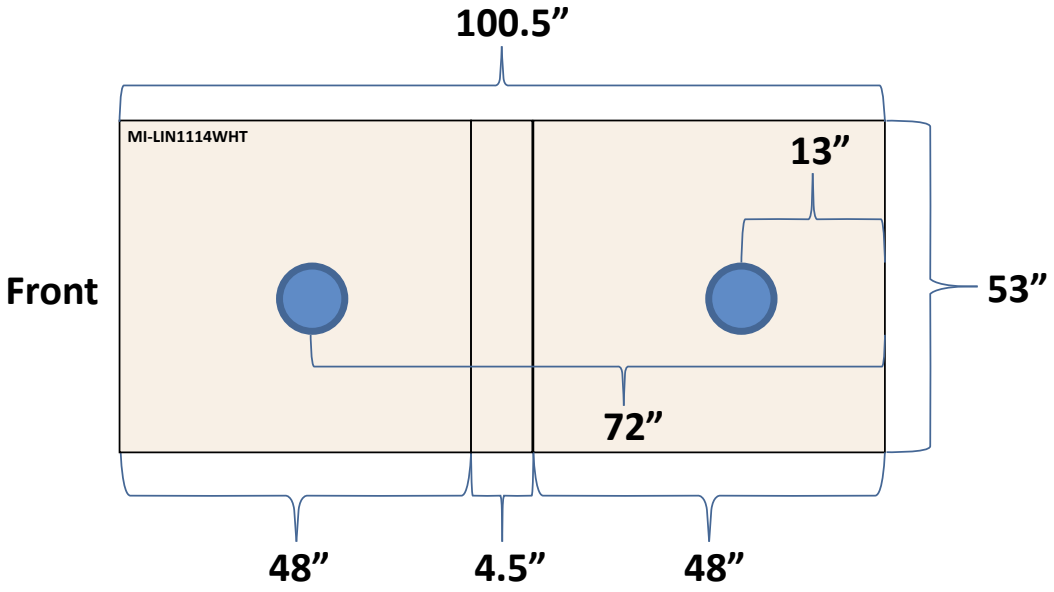
BODYGUARD COMPOSITES CEILING:

Note: The composite ceiling should be installed 11 3/4” from the rear door frame.



FORD TRANSIT: 148” WB HIGH ROOF / 130” WB LOW ROOF – MI-LIN1114WHT

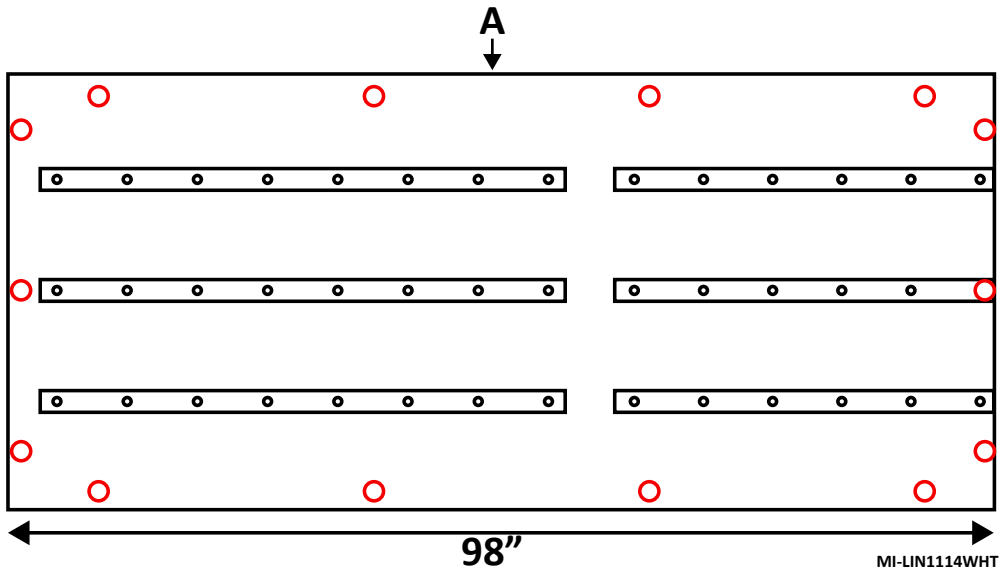
PLYWOOD CEILING:



BODYGUARD COMPOSITES CEILING:

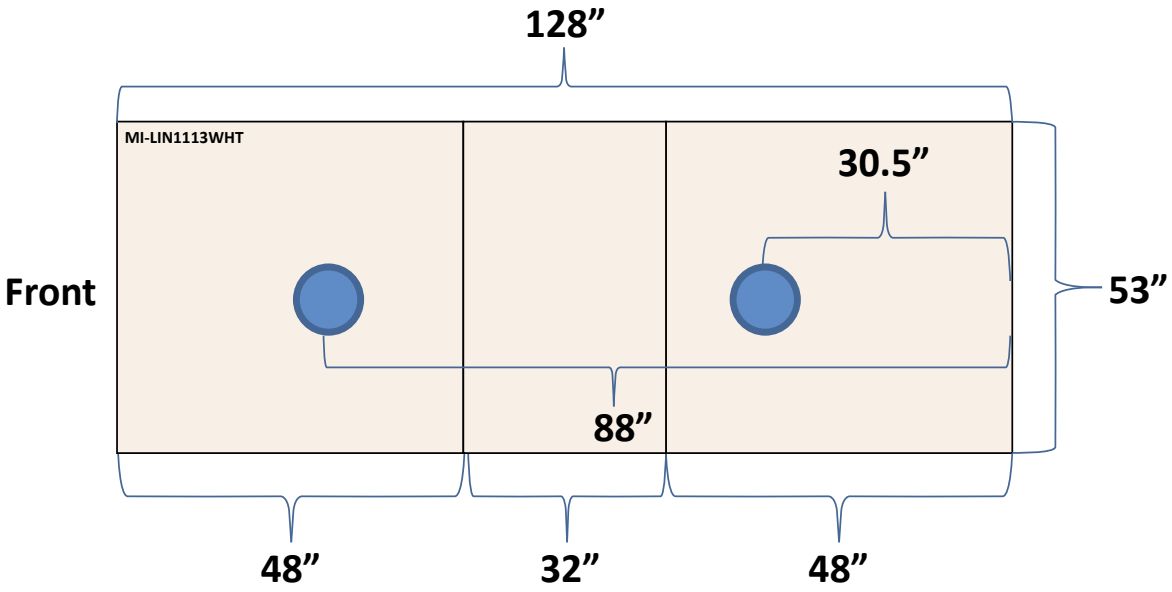
Note: The composite ceiling should be installed flush with the rear of the plywood ceiling.

Using the jig saw, or other cutting tool, measure from the front of the panel (rib with 8 indents) to the back to 98” and cut straight across the width.



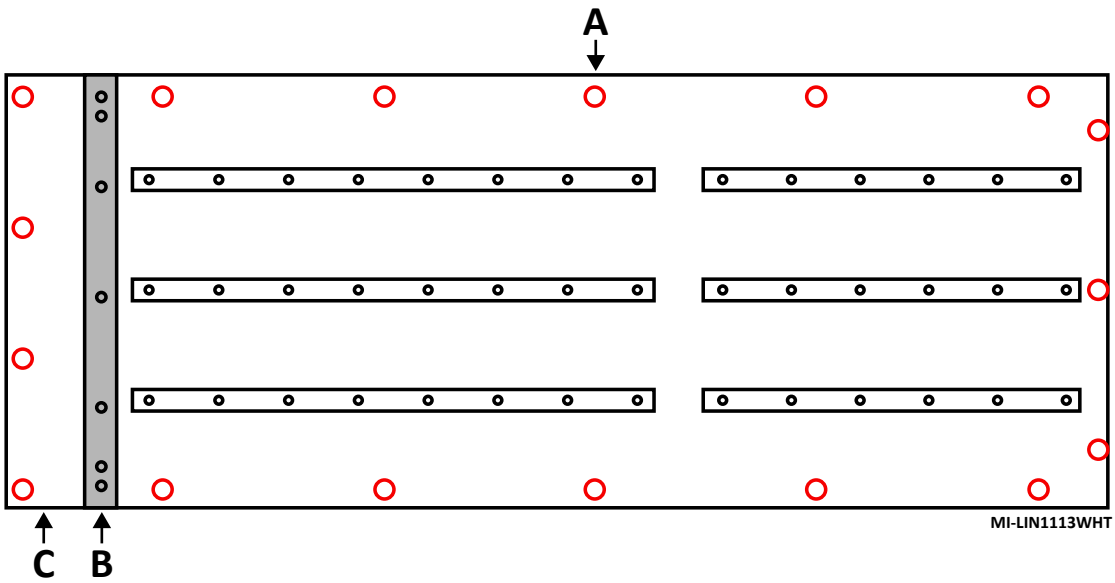
FORD TRANSIT: 148” EXTENDED WB – MI-LIN1113WHT

PLYWOOD CEILING:



BODYGUARD COMPOSITES CEILING:

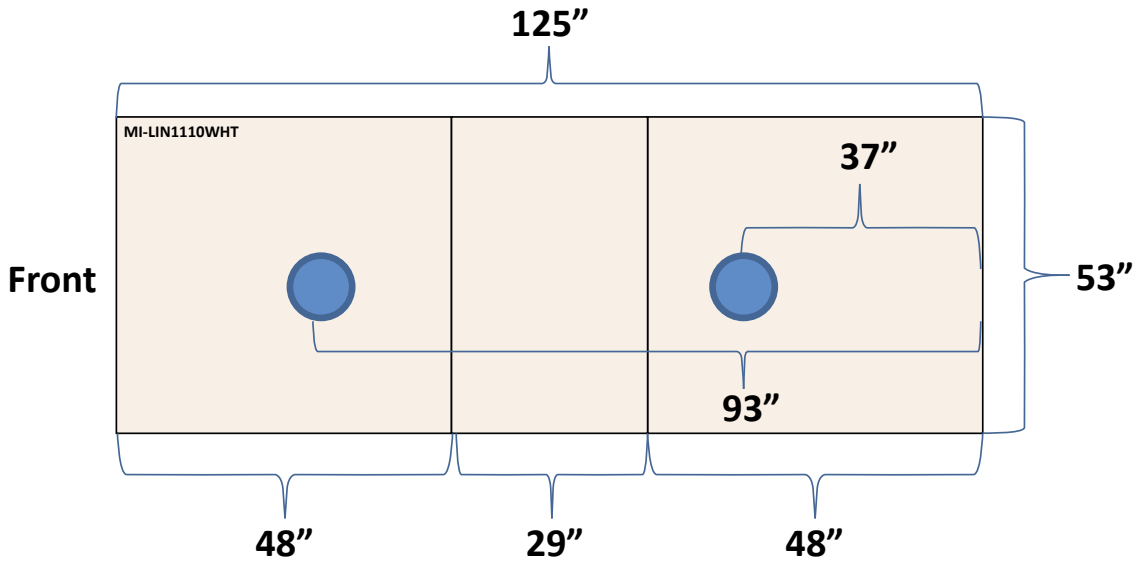
Note: The composite ceiling should be installed 4” from the rear door frame.



RAM PROMASTER: 136” WB HIGH ROOF – MI-LIN1110WHT

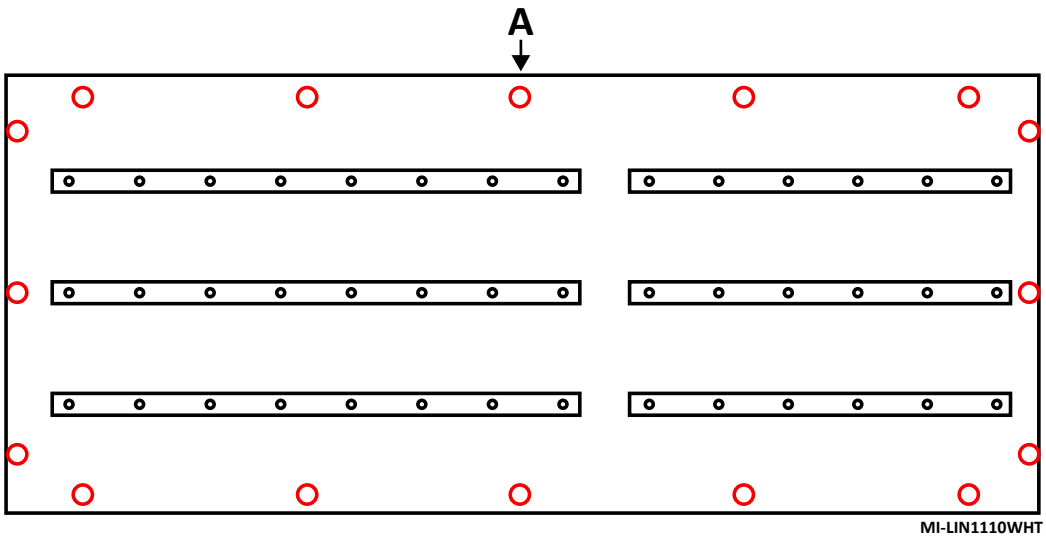
PLYWOOD CEILING:

Note: The passenger side B-pillar foam must be removed and will not be reinstalled. The driver side B-pillar foam may need to be trimmed to allow the plywood to sit in the center of the roof.



BODYGUARD COMPOSITES CEILING:

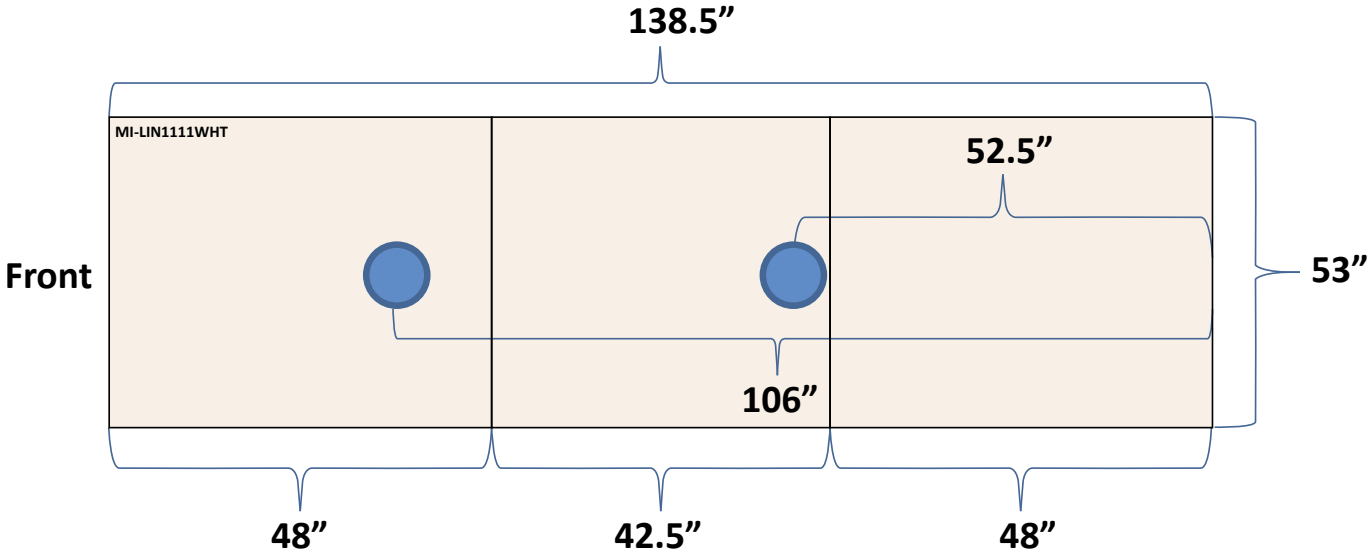
Note: The composite ceiling should be installed to cover most of the plywood ceiling.



RAM PROMASTER: 159” WB HIGH ROOF – MI-LIN1111WHT

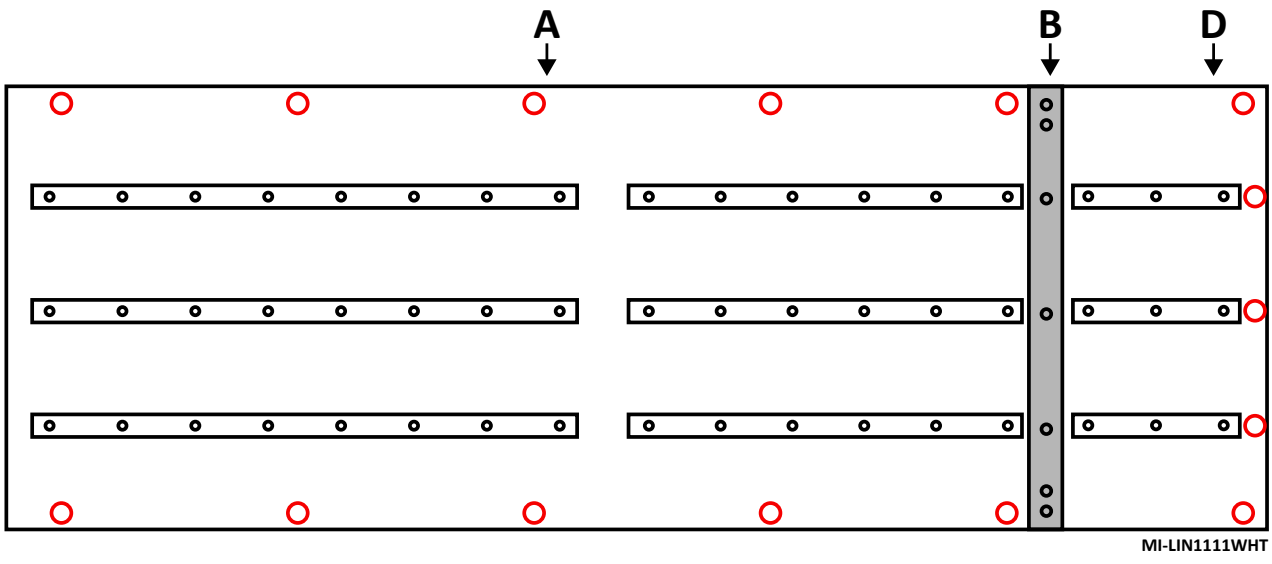
PLYWOOD CEILING:

Note: The passenger side B-pillar foam must be removed and will not be reinstalled. The driver side B-pillar foam may need to be trimmed to allow the plywood to sit in the center of the roof.



BODYGUARD COMPOSITES CEILING:

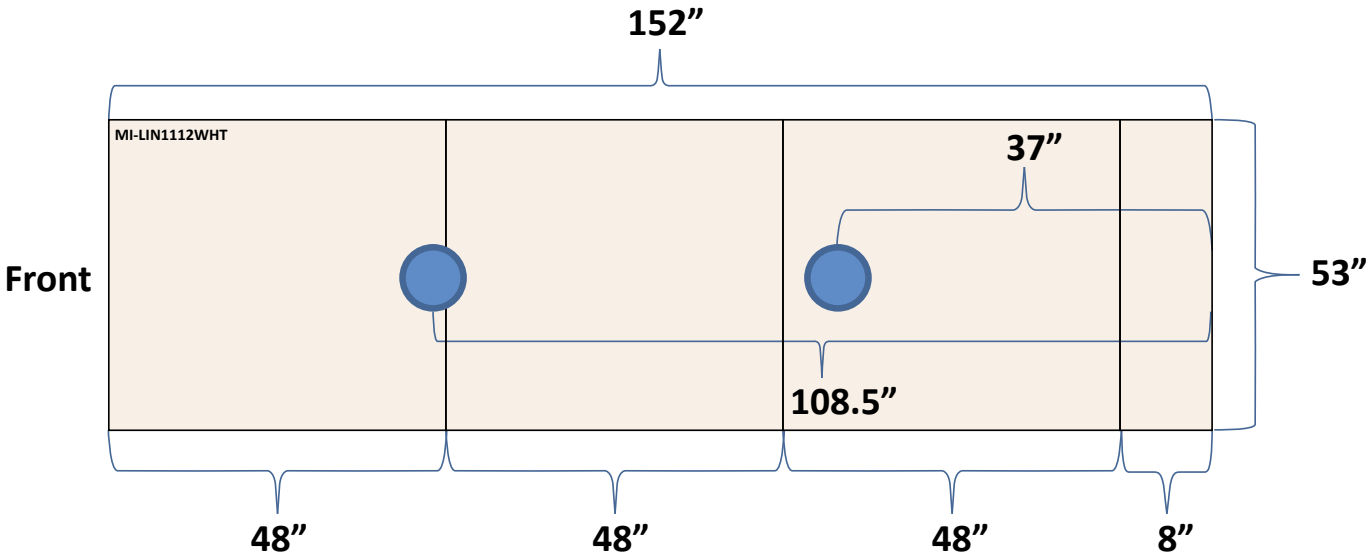
Note: Part **A** should be installed flush with the front headliner & part **D** should be flush with the rear most of the plywood ceiling. There should be a 2” gap between the two parts which will be covered by part **B**.

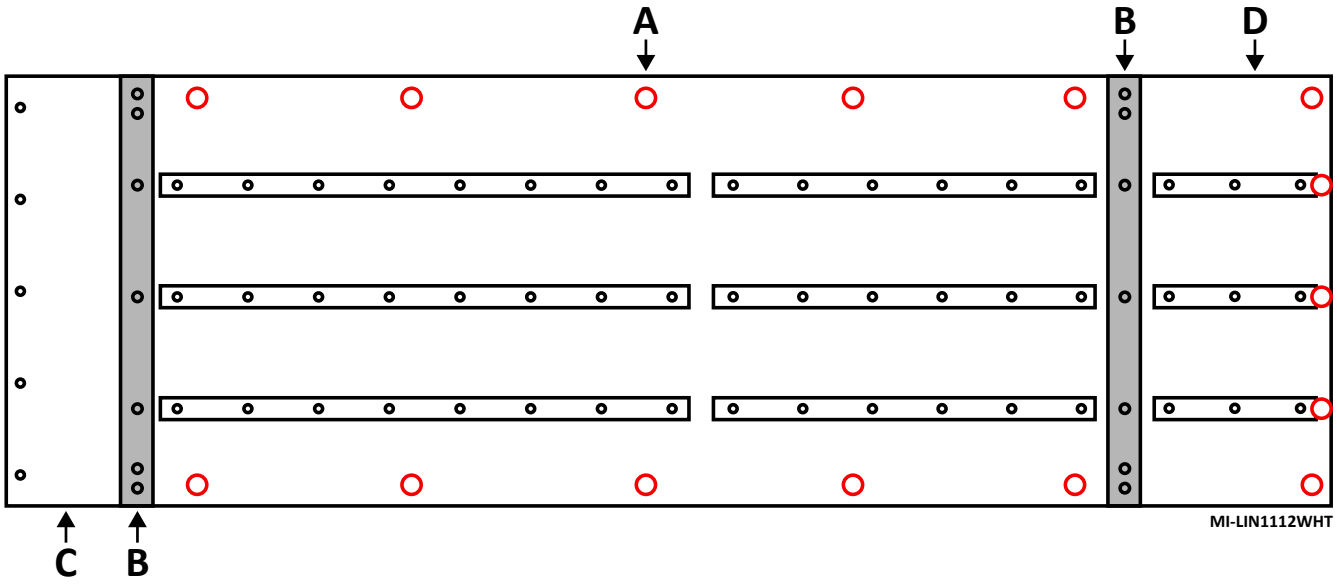


RAM PROMASTER: 159” WB EXTENDED HIGH ROOF – MI-LIN1112WHT

PLYWOOD CEILING:

Note: The passenger side B-pillar foam must be removed and will not be reinstalled. The driver side B-pillar foam may need to be trimmed to allow the plywood to sit in the center of the roof.



BODYGUARD COMPOSITES CEILING:

Note: Part **C** should be installed flush with the front headliner and part **D** should be flush with the rear most of the plywood ceiling. Part **A** should installed in the center. There should be a 1-2” gap between the two parts which will be covered by part **B**.