
ACCESS PANEL ASSEMBLY SOLUTION GUIDE

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DIRTT

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OVERVIEW

Features

- Quick and easy installation
- Tool-free access to hidden integrated technology
- Available on any solid wall panel

DIRTT's Access Panel Assembly offers a tool-free, easily removable solid panel to access integrated power and in-wall technology components. This assembly houses recessed rare-earth magnets, but DIRTT can retrofit access panels to replace their **Black Bats Clips** with adhered, non-recessed rare-earth magnets.

Additionally, optional panel pulls now make accessing hidden components and changing electrical components in the wall is easier.



PART REFERENCE

PART DESCRIPTION

Above-Panel Installation

STOCK	Rare-earth Magnets
STOCK	#12 x ½" Pan Head Wood Screws (PHWS) - QTY 3 per backer
224850	Frame Magnet Catch (Not on Bottom) (Back-painted Glass only)
221005	Panel Pull (optional)

Below-Panel Installation

204127	Access Panel Assembly
STOCK	3M Scotch-Weld DP 810
STOCK	Rare-earth Magnets
STOCK	#12 x ½" PHWS - QTY 3 per backer
224855	Magnetic Backer
224811	Frame Magnet Catch (Back-painted Glass only)
221005	Panel Pull (optional)

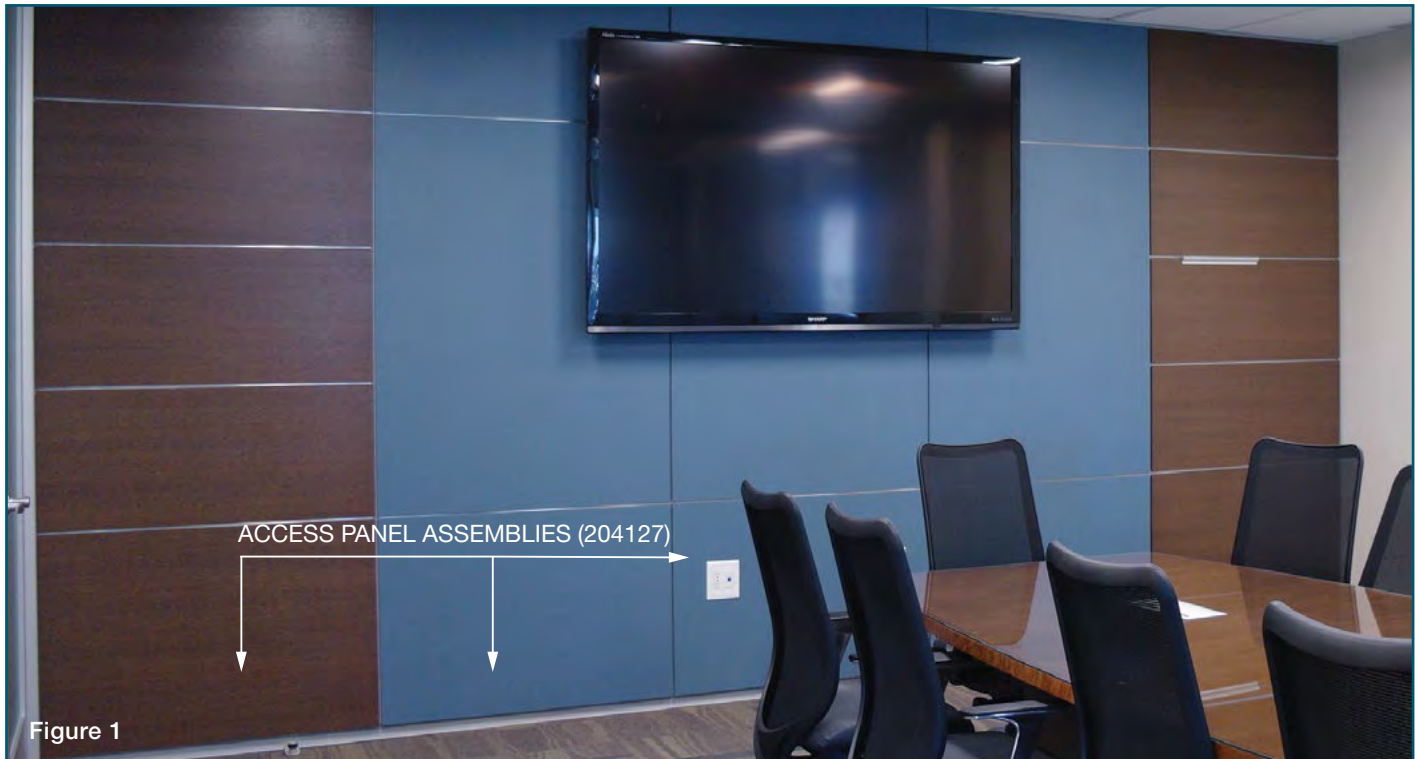
Panel Retrofit

204127	Access Panel Assembly
STOCK	3M Scotch-Weld DP 810
STOCK	Rare-earth Magnets
STOCK	#12 x ½" PHWS - QTY 3 per backer
224851	Retrofit Magnet Backer
230173	Non-Bottom Panel Magnet Jig
211222	Panel Pull (optional)

ACCESS PANEL COMPONENTS

Access Panel Assembly

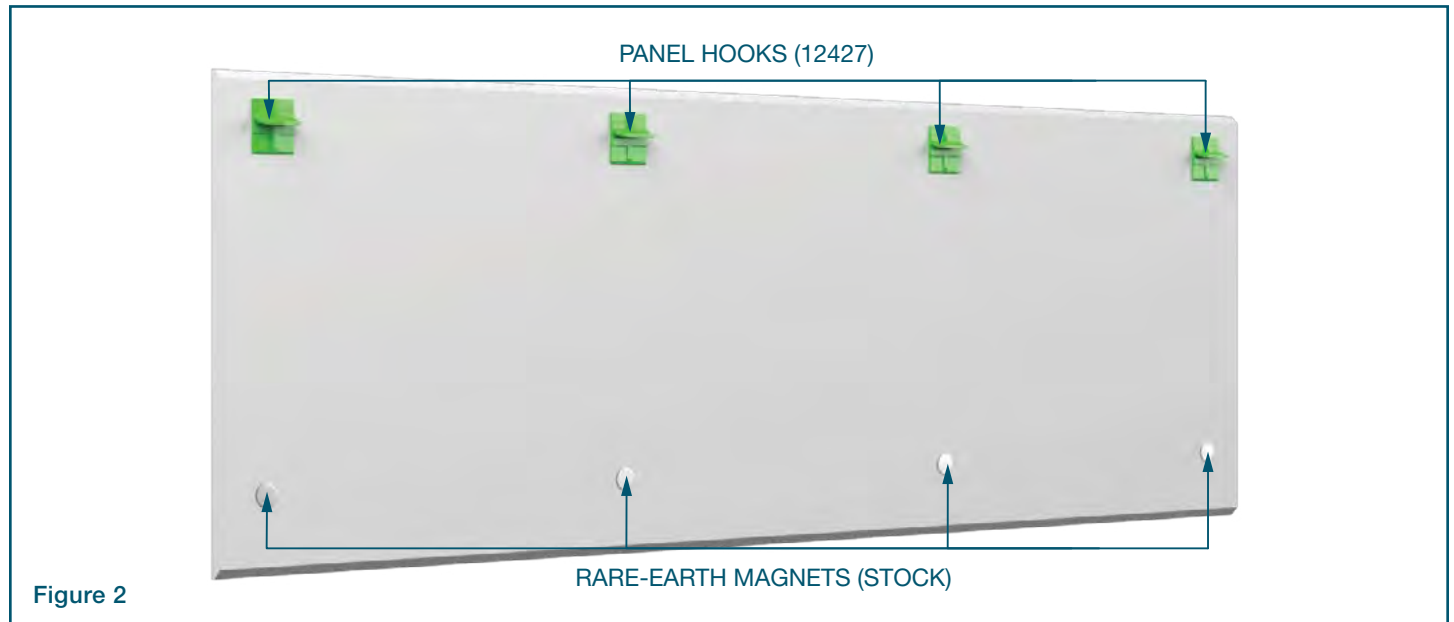
The Access Panel Assembly (204127) comprises a standard, finished medium-density fiberboard (MDF) solid panel with both the Panel Hooks (12427) and recessed Rare-earth Magnets (STOCK) installed at factory. This product is installed in media walls and can be placed above or below media (Figure 1).



TECH TIP: Panel Hooks (12427) are also known as Green Hanger Clips.

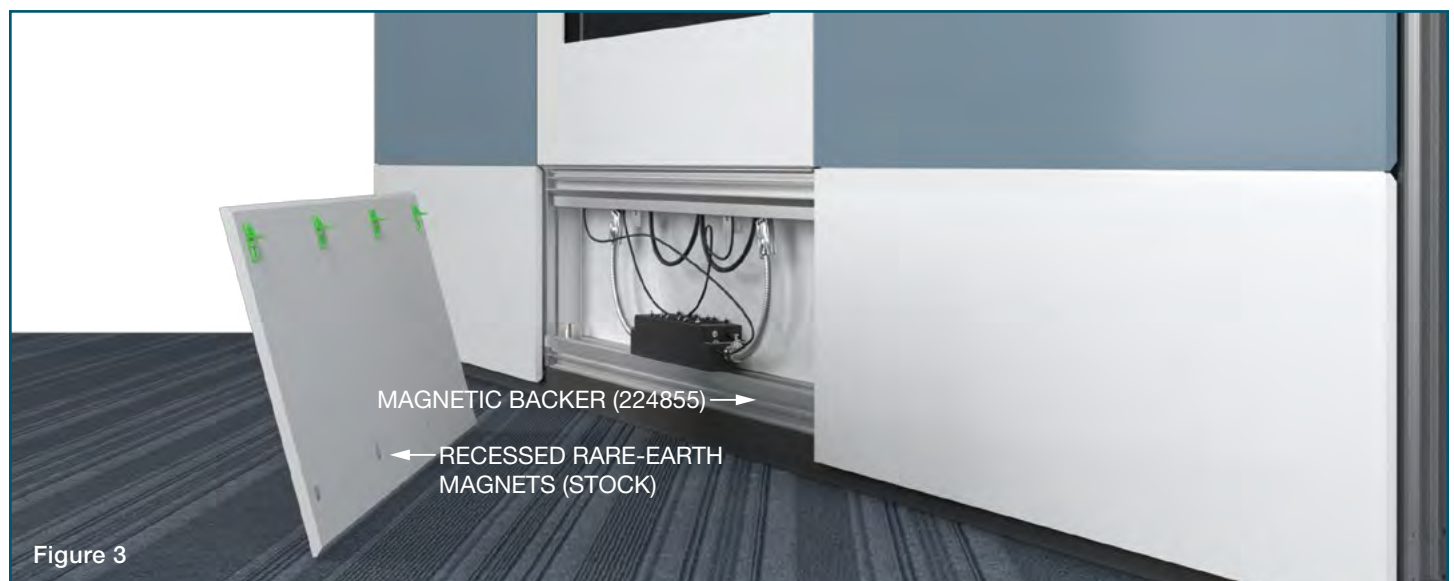
Rare-earth Magnets

Rare-earth Magnets (STOCK) are strong, permanent magnets made from alloys of rare-earth elements. These magnets are recessed in the back of the panel (Figure 2), so they can engage with the Magnetic Backer (224855) on the frame.



Magnetic Backer

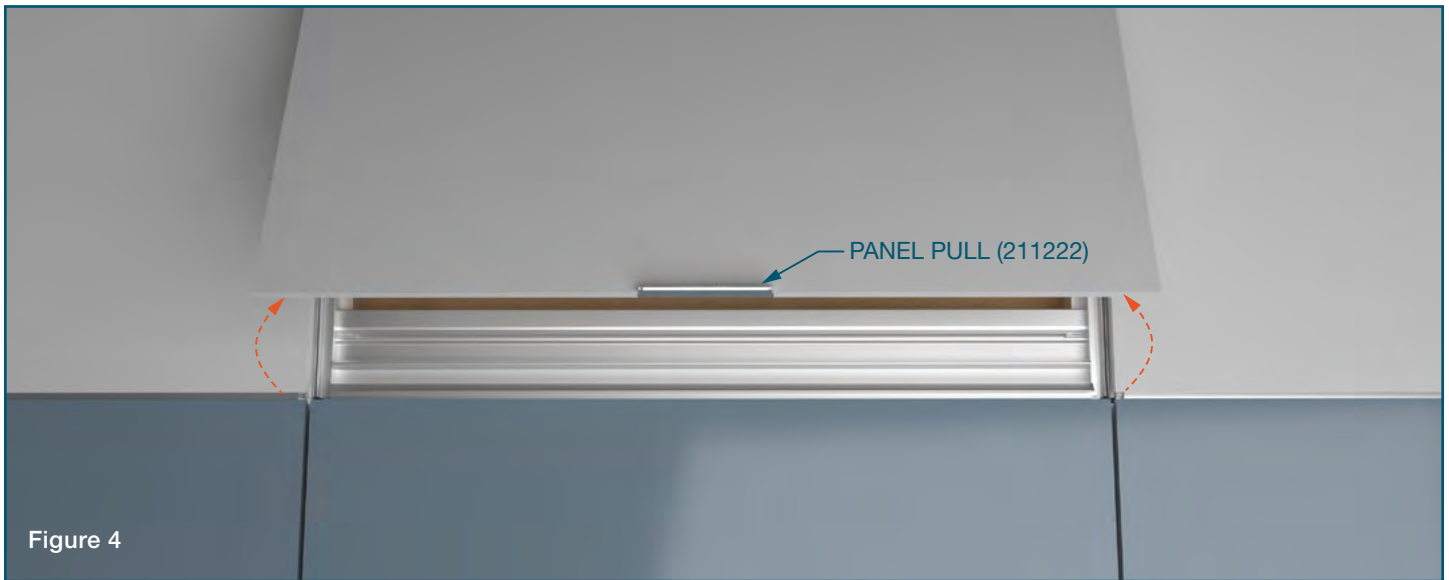
The Magnetic Backer is fastened on top of the bottom horizontal frame (Low Madonna (11891)) and is shipped installed in the DIRT frame. The hooks on the Access Panel Assembly clip into the top of the wall frame, and the magnets engage with the Magnetic Backer to secure the panel (Figure 3).



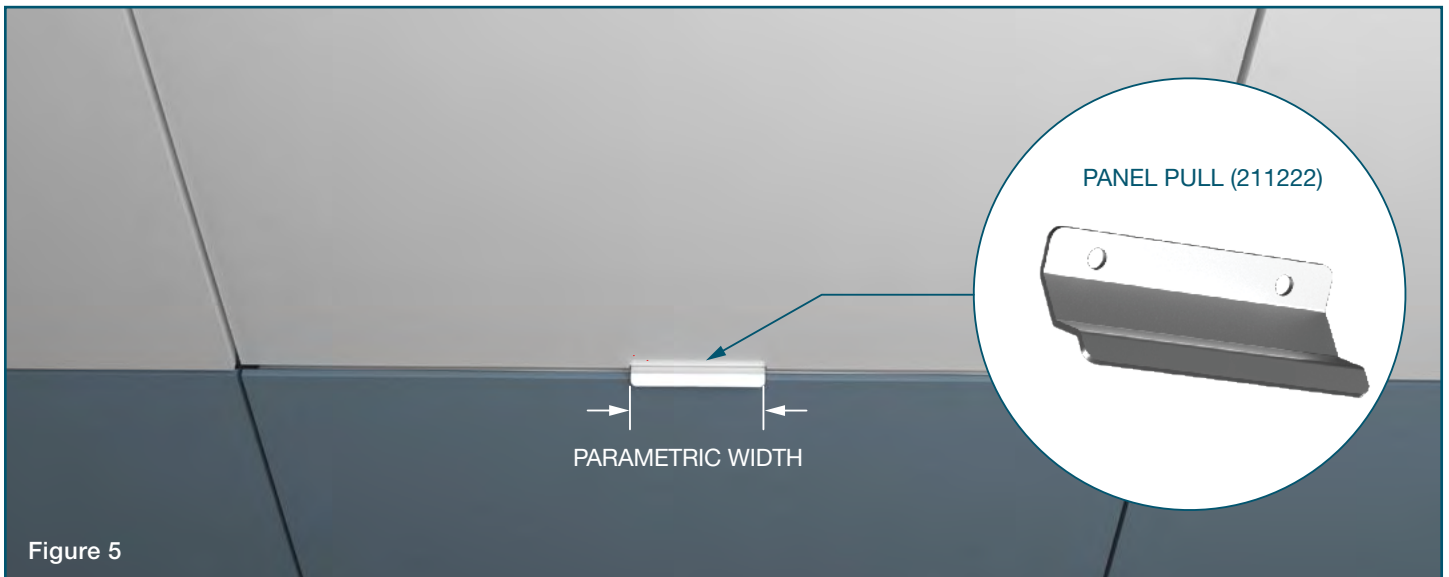
Panel Pull

The Panel Pull (211222) is an easy-grip handle to open and close an access panel. It replaces DIRTt's standard tools for panel removal.

This optional pull allows easy access to panels above any Antler reveal that would typically require a tool. The pull acts as the handle to easily pop open the bottom of the panel for a tool-free entry (Figure 4). Bottom panels do not have Panel Pulls.



The Panel Pull can be parametric in width (Figure 5).



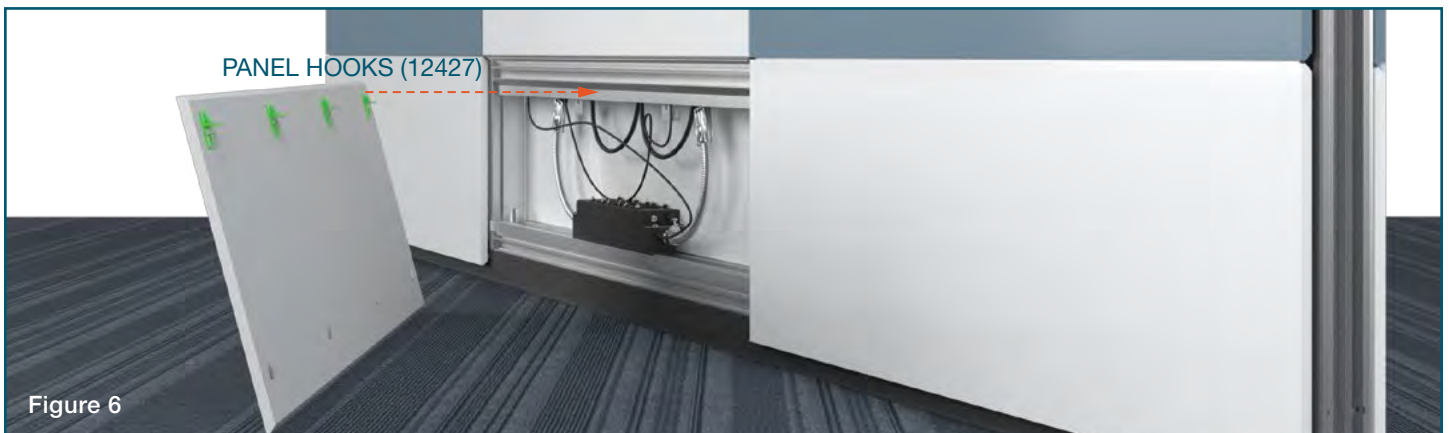
ACCESS PANEL ASSEMBLY INSTALLATION

NOTE: All installation questions should be directed to your DIRT project manager or a DIRT field technician. Send installation inquiries to info@dirtt.com.

Installing an MDF Panel

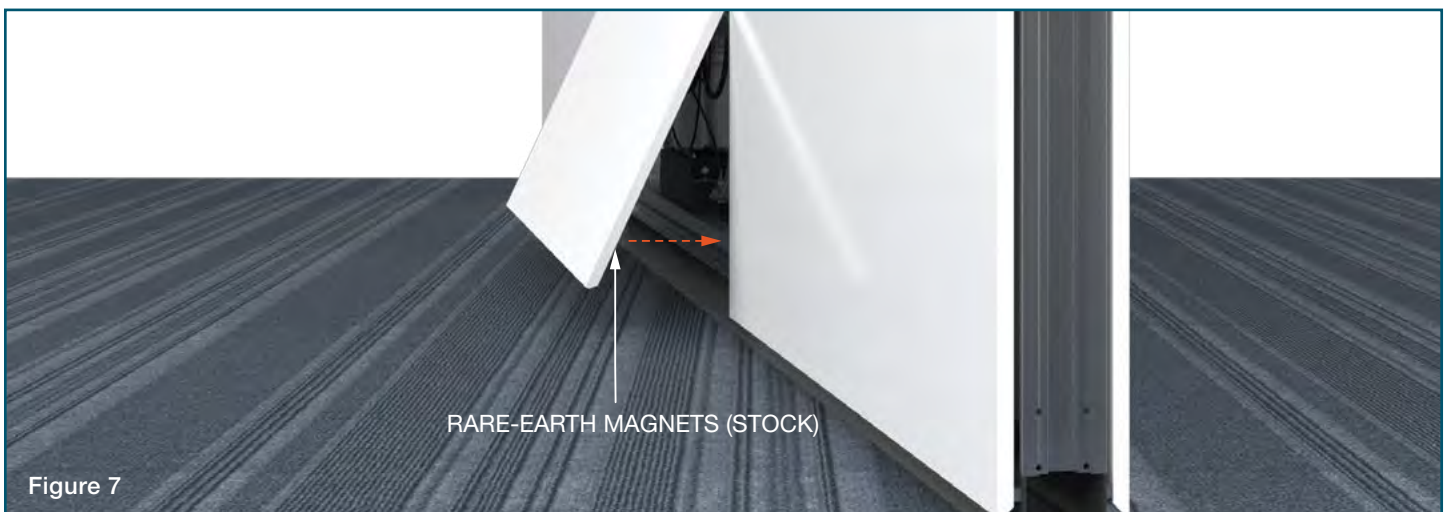
To install an Access Panel Assembly:

- 01** Angle and connect MDF panel to the Panel Hooks (12427) onto the horizontal extrusion (Figure 6).



TECH TIP: The chamfer on the Access Panel Assembly is larger than on the standard access panel with Black Bat Clips (17760). The increased chamfer provides greater clearance and leverage for angling and installing the Access Panel Assembly in the wall frame.

- 02** Attach the recessed magnets on the bottom of the Access Panel Assembly to the Magnet Backer (224855) (Figure 7).



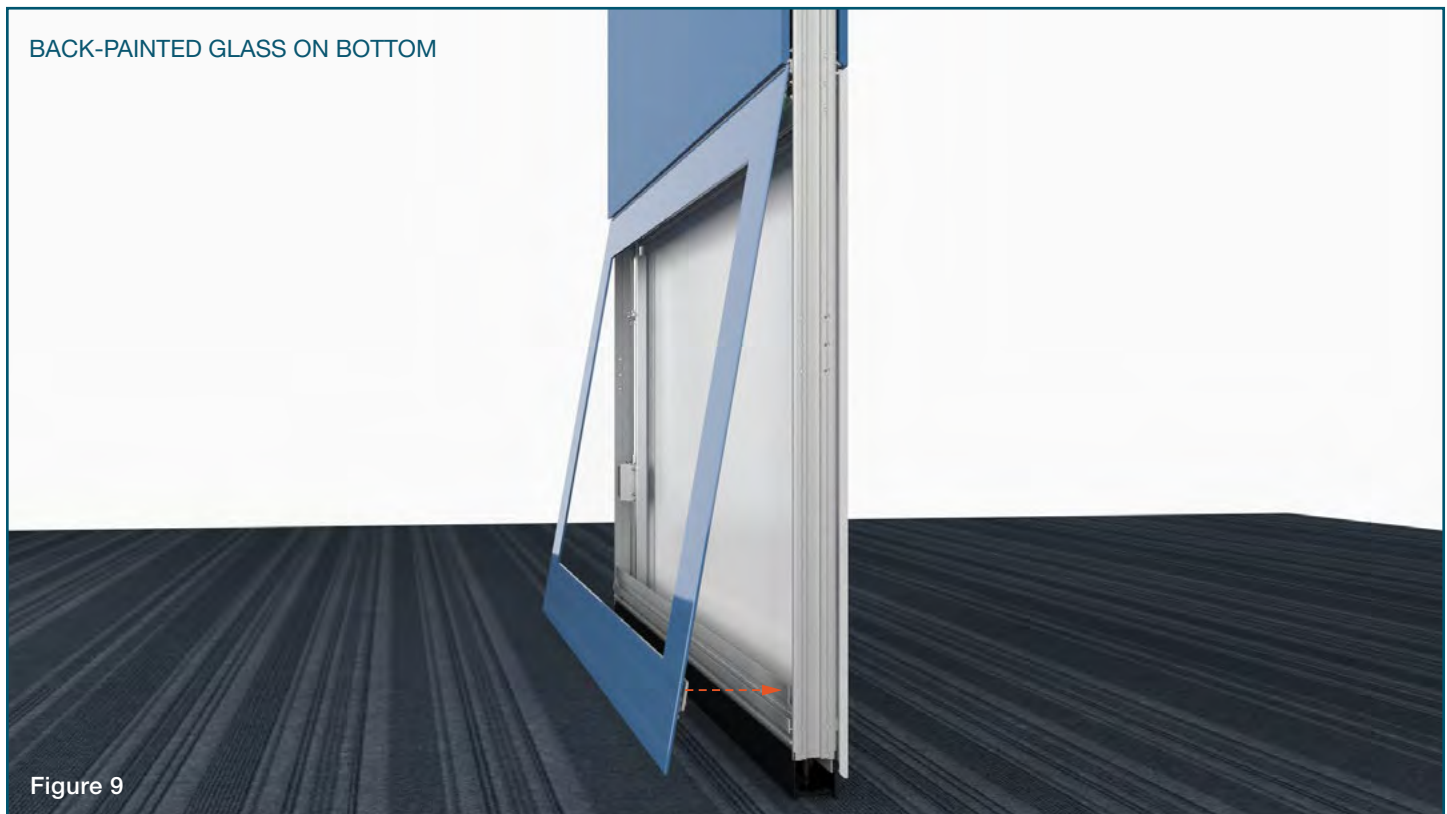
Installing a Below-Panel Back-Painted Glass Panel

To install an Access Panel Assembly:

- 01** Angle and connect back-painted glass panel to the Panel Hooks (12427) onto the horizontal extrusion (Figure 8).



02 Attach the recessed magnets on the bottom of the Access Panel Assembly to the Frame Magnet Catch (224811) (Figure 9).



Installing an Above-Panel Back-Painted Glass Panel

To install an Access Panel Assembly:

- 01** Angle and connect back-painted glass panel to the Panel Hooks (12427) onto the horizontal extrusion (Figure 10).

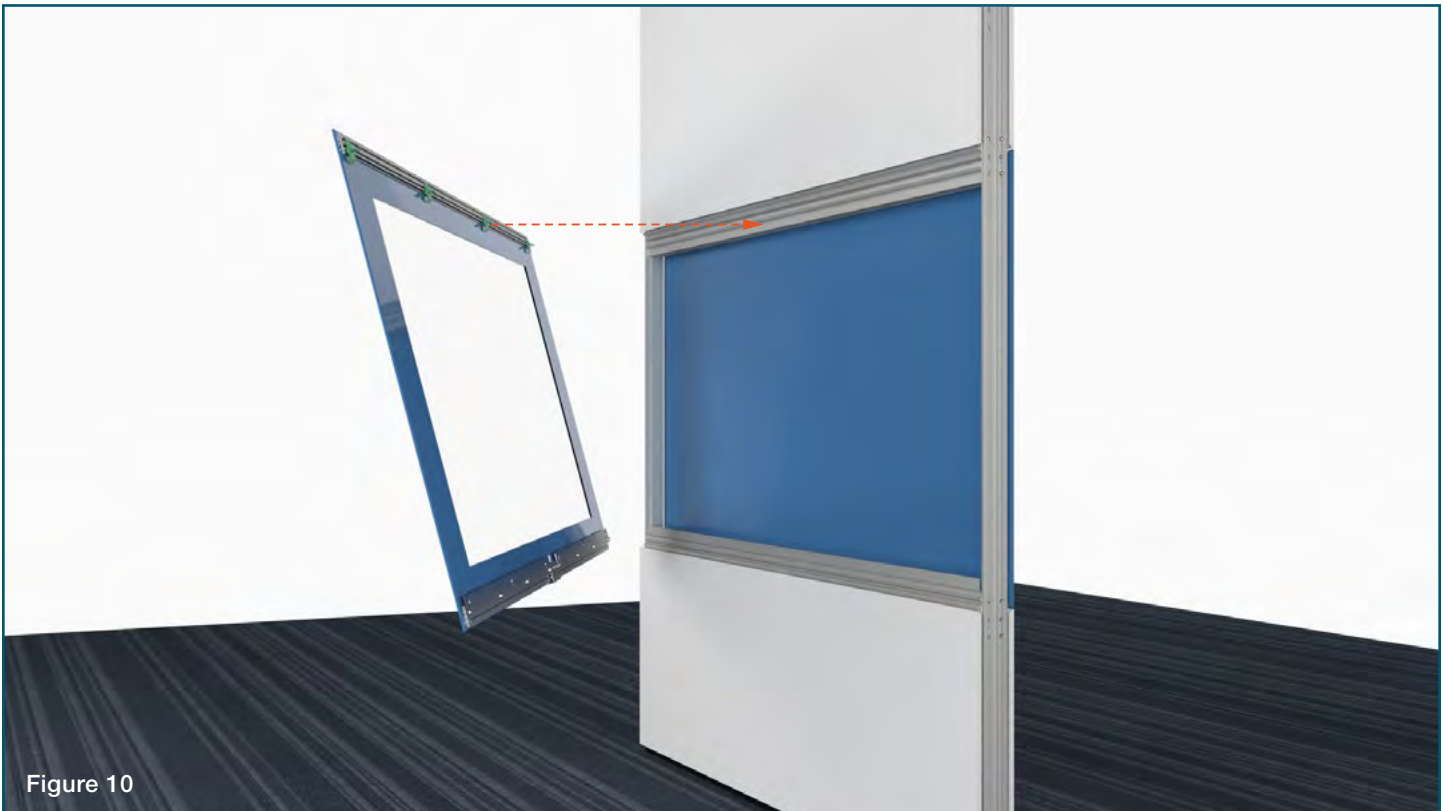


Figure 10

- 02** Attach the recessed magnets on the bottom of the Access Panel Assembly to the Frame Magnet Catch (Not on Bottom) (224850) (Figure 11).



Figure 11

MAGNET RETROFIT FOR ACCESS PANEL ASSEMBLY

DIRTT's retrofit kit allows for the replacement of clips on existing MDF panels with rare-earth magnets. Retrofitting is **not available** for back-painted glass panels. For information on how to specify retrofitting a MDF or glass panel in ICE review [Access Panel \(Magnetic Access Panel\)](#).

WARNING: Removing the Black Bats Clips risks environmental stresses warping the panels. To prevent warping, DIRTT recommends using panels with maximum dimensions of 24" (610mm) high by 48" (1.22m) wide. DIRTT will produce panels in larger sizes than recommended on the condition partners assume responsibility for them if the environment in which they install these panels alters their integrity and warps them.

Retrofitting an MDF Panel

A retrofit will swap the Black Bats Clips on an Access Panel Assembly installed above or below a device in a media wall with rare-earth magnets. To complete an MDF panel retrofit:

01 Remove the Black Bats Clips (17760) from the back of the panel (Figure 12).

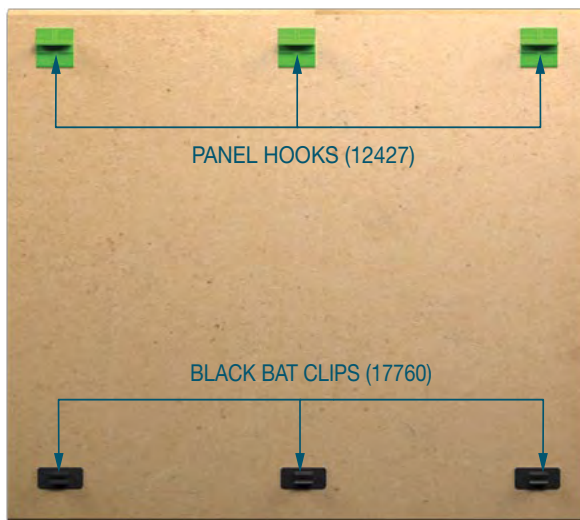


Figure 12

- 02** Slide the Non-bottom Panel Magnet Jig (230173) underneath the bottom of the panel (Figure 13).
- 03** Mark one location for a rare-earth magnet for each Panel Hook. The magnets at the bottom of the panel should align roughly with the hooks at the top of the panel.
- 04** Glue the Rare-earth Magnets into their locations using 3M Scotch-Weld DP810 epoxy (Figure 14). Magnets will sit proud on the panel.

IMPORTANT: Allow the epoxy to cure for at least 30 minutes before handling the magnets again.

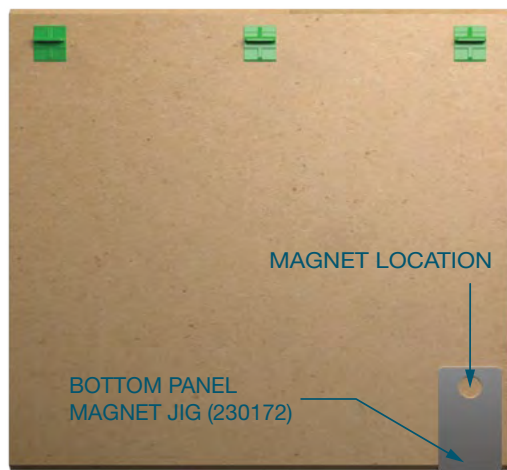


Figure 13

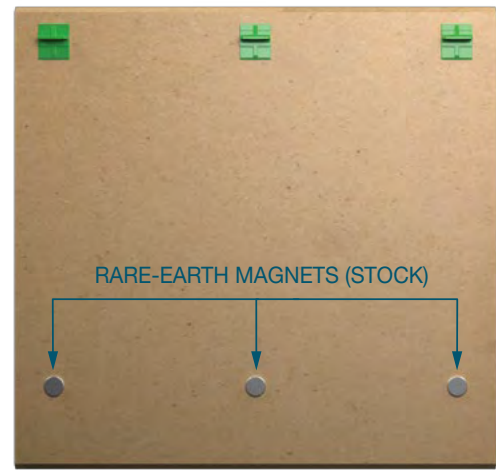
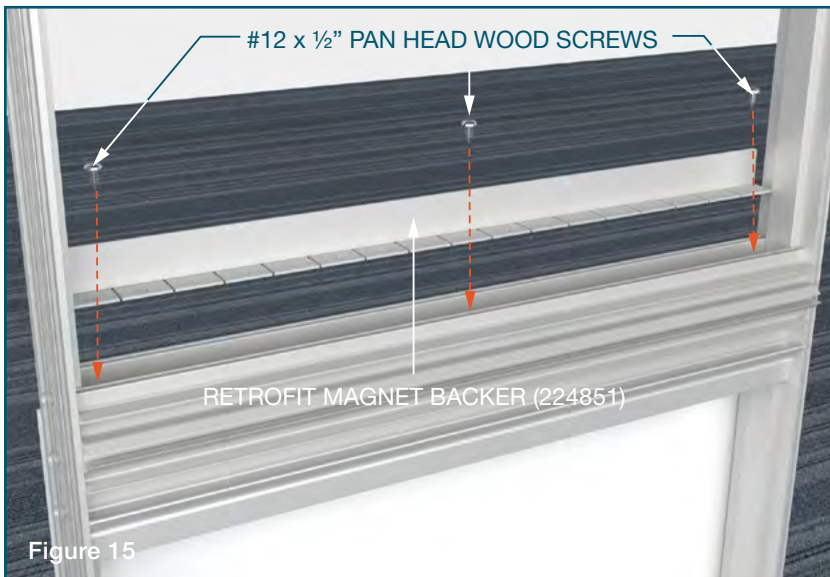
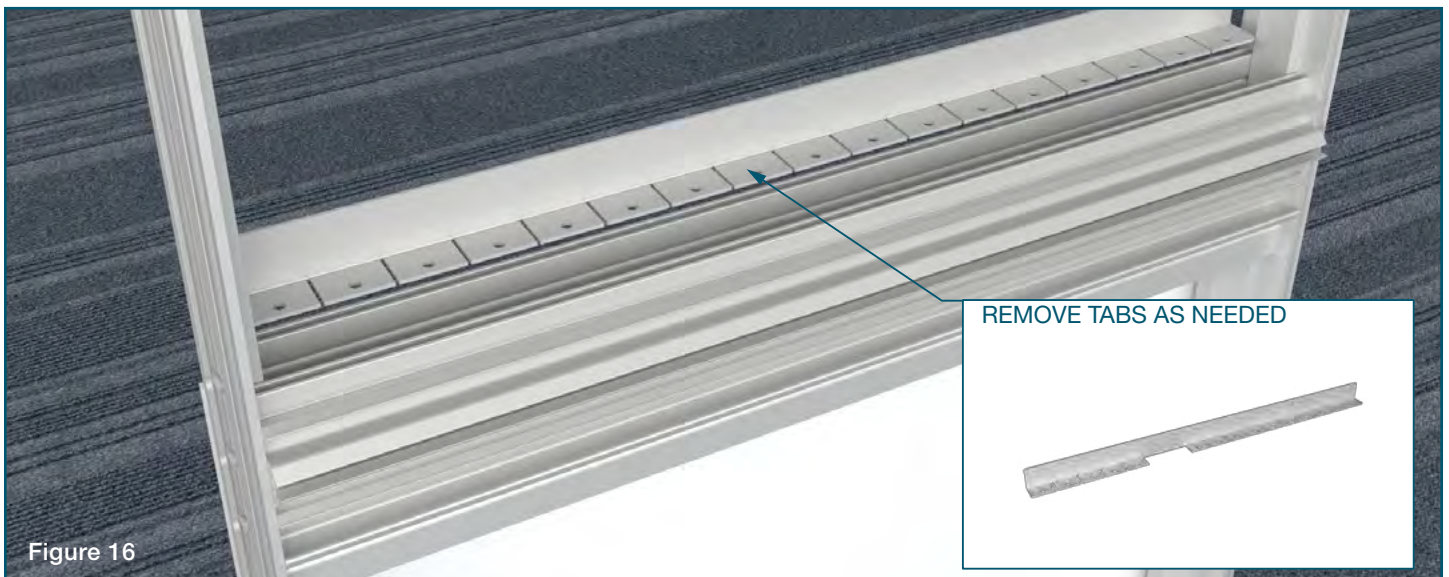


Figure 14

- 05** Fasten the Retrofit Magnet Backer (224851) to the top of the extrusion in the frame using #12 x 1/2" Pan Head Wood Screws (PHWS) – QTY 3 per backer (Figure 15).



- 06** Remove tabs with pliers from Retrofit Magnet Backer where needed (Figure 16).



07 Reinstall the panel onto the frame (Figure 17).

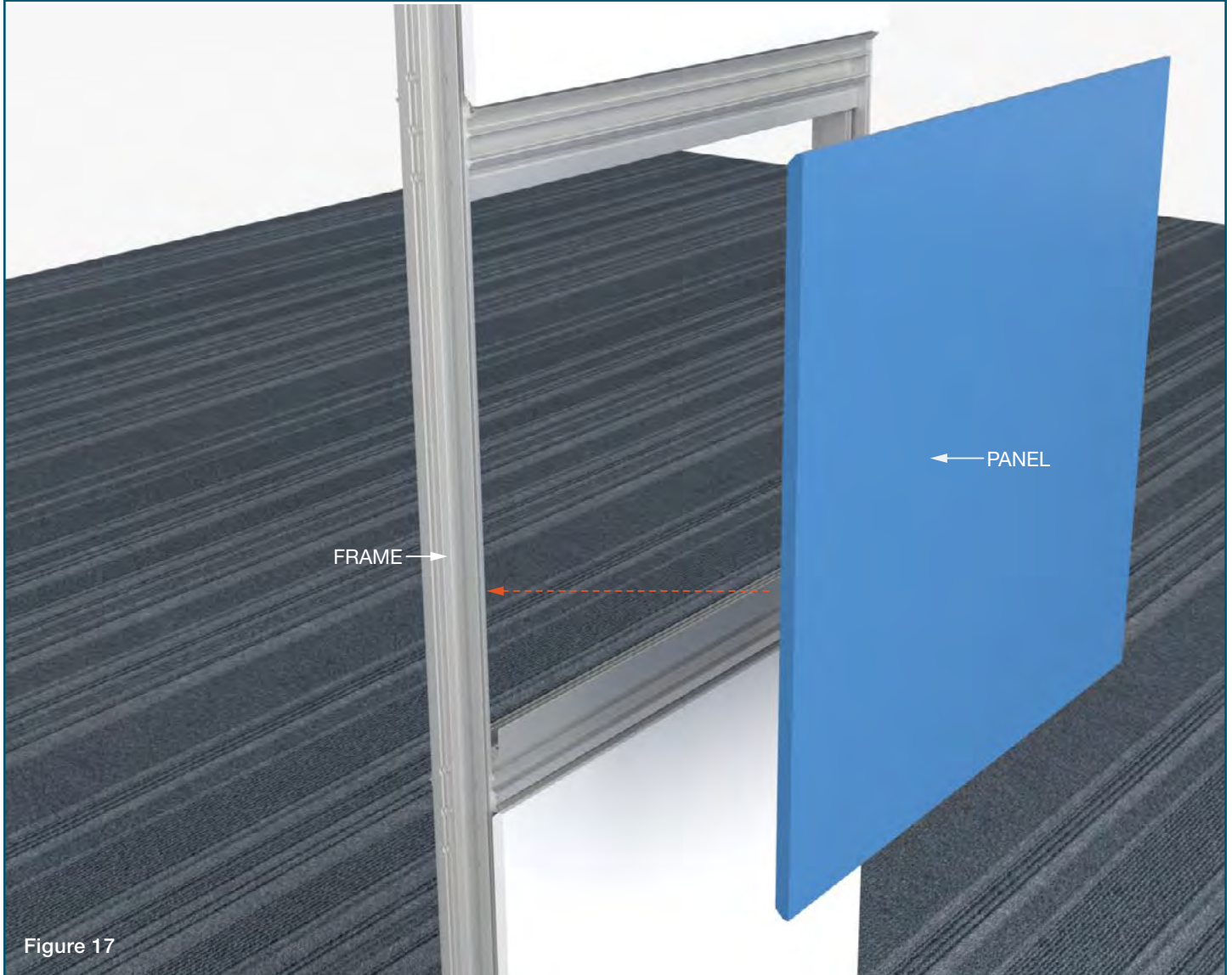


Figure 17