Dual panel Automated Door Drive - Two Panel up - Closed Flush

- Two panels both going up, typically used for hiding TVs
- Doors tilt back approx 5 inches and move up behind a fixed panel.
- When closed, the doors are flush with their surrounding panels.
- The fixed panel above the door must be chamfered so that the movable doors can tilt back properly.
- The door drive is a motor tube with lifting straps. Starting and stopping points for the door are set at installation.
- Doors are not included. System includes tracks, motor drive and controls.
- Controls available include IR remote, RFQ remote, low voltage switch, 120 volt switch and Home Automation Integration.
- Custom guides and roller assemblies available as needed
Overall Layout

The brown shaded area is the cabinet and trim around the movable doors.

Doors tilt back about 5 inches as they travel up.

Guides can be moved out laterally to further conceal with simple plywood roller asm extensions (not included).

1/8 inch gap

Guides hidden next to opening.

60 degree chamfer 1/8 to 3/16 gap

Slack required in bottom strap

Guides and bottom door at same level

StorageMotion, Inc.
www.storagemotion.com
Motor Tube Placement

Approximate dimensions:
- Doors in open position
- Guides
- 10 (minimum)
- 4 to 6
- 2 to 4

Figure 1
Guide Placement

1/8 in thick spacer

1 in

1.5 in

5 to 6 in

2 in

Door

Face Frame

Guides
Roller Assembly

Roller Assembly must extend 3/8 inch beyond door.

Roller Assembly integrates with guides to control the door travel.

Front of Door

Shims between door and roller assembly can be used to keep door flush.
Guide Placement (Optional Approach)

- 1/8 in thick spacer
- plywood extensions (not included)

- 1.5 in
- 5 to 6 in
- 3.5 in (min)
Length of guides for a 2 panel door is 1.5 times the height of the door opening.

Length of roller assembly depends on height of the door.

NTS

Guides/tracks - detail

Roller Assembly - detail

Top View

Length of roller assembly depends on height of the door.

1 1/2 inches

5 to 6 inches

Padded slot for roller
Guides – are used to control the door articulation as it moves up and down.

Guide dimensions are usually 5 or 6 inches wide by 1.5 times the height of the opening and 1.5 inches thick.

Only a partial guide section is shown.

- 1/8 to 3/16 gap
- Fixed panel above doors
- 60 degree chamfer required