

Universal Design with Phantom Screens



Salt Lake City, Utah, USA

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Location:	Salt Lake City, Utah, USA
Completion:	2009
Product contributed by Phantom Screens:	Retractable screens for single and double doors
Brand name of the product:	Phantom Distinction Retractable Screen Solutions™
Mesh Type:	Polyester Pleated Mesh
Mesh Color:	Black
Installer:	Rocky Mountain Rolling Screens, Authorized Distributor of Phantom Screens

Overview: Located in Salt Lake City, Utah, this house is a home to Jeff and Muffy Davis, an accomplished downhill skier from a young age. In 1989, Muffy suffered a serious skiing accident which resulted in complete paraplegia. Consequently, the home design incorporates many universal

design elements such as step-free entrances and no conspicuous ramps. Many doors are built 36 inches wide to easily accommodate a wheelchair or walker and do not include thresholds.

Need: Muffy and Jeff needed to find a screen solution for their doorways that would provide insect protection without blocking access to the house. Knowing from experience that traditional screen doors are difficult for people in wheelchairs to navigate around and through, the couple decided that retractable screens would be their only solution, to meet several important criteria:

- The screens had to completely retract out of the entryway when not in use
- The screens had to have a very low threshold
- The screens had to be visible only when needed, not obstructing the design of their new doors

Solution: After researching several brands of retractable screens, the couple selected retractable Phantom screens for their doorways. With an ability to cover large openings and completely retract, Phantom's Distinction retractable screens are well-suited for maintaining the universal design attributes of the home's wide doors.

According to Muffy Davis, "the Distinction Screens are lightweight and glide so smoothly, it is easy to slide them open with one hand when carrying items to the house." The low, smooth threshold of Distinction Screens allows her to easily roll her wheelchair over the track. One large screen covers the whole doorway, retracting out of sight when not in use.

The pleated mesh of Distinction Screens is compact and clearly visible when the screens are in use. In addition to providing insect protection, the screens improve natural ventilation and increase solar shading for a more sustainable living environment.



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