

## SUMMARY

As part of a current design services contract for an inpatient rehabilitation facility, Veil toured several therapy facilities across two large healthcare organizations in the Midwest. A full report was issued to the design team providing insight and lessons learned from these tours, along with input from interviews with several doctors and therapists about how shading systems throughout the facilities affects them daily.

## ARCHITECTURAL COORDINATION SERVICES

Veil reviewed findings and preliminary shading recommendations with the architectural design team. The following services were provided on this project:

- ▶ **Patient Room Shade Packages:** A Base Bid of manual dual-roller shades provides a versatile shading solution, with a motorized Add Alternate enhancing patient control through pillow speaker tie-in.
- ▶ **Inpatient Automated-Living Demo Space:** A residential-style voice-controlled automated shade mock-up is planned for a resource and training room. See additional information to the right.
- ▶ **Innovative Privacy Solutions:** Traditional solar screen fabrics allow images to be visible through the shades, including from the exterior at night. Translucent fabrics are used in privacy-sensitive areas such as Mother's Rooms and Locker Rooms allowing for light – but not images – to pass through.
- ▶ **Enhanced Fabric Selections:** Interior and exterior colors of dual-sided fabrics will be tailored for each façade, including varying openness factors based on sun exposure.
- ▶ **Shading Integration Analysis:** HVAC, Fire Alarm, Lighting Tie-Ins: Careful vetting with architect removed these integrations in pursuit of maximizing patient comfort and reducing system costs.

## Roller Shade System Application

Space Type	Automation & Integration																						
	Roller Shades		Blackout (Dual Roll)		Motorization		Sun		Audio Video		Pillow Speaker		Voice		Lighting		HVAC		Life Safety		Security		
	Provide	Priority	Provide	Priority	Provide	Priority	Provide	Priority	Provide	Priority	Provide	Priority	Provide	Priority	Provide	Priority	Provide	Priority	Provide	Priority	Provide	Priority	
<b>Patient Care</b>																							
ADL SPACES (LVL 8 & 9)	X	***	-	-	X	***	-	-	-	-	-	-	X	***	-	-	-	-	-	-	-	-	-
DAY / DINING ROOM	X	***	-	-	X	***	X	***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PATIENT ROOMS (BASE BID)	X	***	X	***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PATIENT ROOMS (ADD ALT - 1 FLR)	X	***	X	***	X	***	-	-	-	-	X	***	-	-	-	-	-	-	-	-	-	-	-
SPEECH THERAPY / OFFICES (LVL 8-10)	X	***	-	-	X	**	X	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THERAPY GYM	X	***	-	-	X	***	X	***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WHEELCHAIR (WC) SKILLS	X	***	-	-	X	***	X	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Staff/Support</b>																							
CONFERENCE ROOMS	X	***	X	***	X	**	X	**	X	**	-	-	-	-	-	-	-	-	-	-	-	-	-
COMMUNITY ROOM	X	***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUNGE / BREAKROOMS	X	***	-	-	X	**	X	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOTHERS ROOM / LOCKER ROOM	X	***	-	-	X	***	X	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ON-CALL SUITES	X	***	X	***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAINING / CLASSROOMS	X	***	-	-	X	**	X	**	X	**	-	-	-	-	-	-	-	-	-	-	-	-	-
WORK ROOMS / OFFICES (LVL 11)	X	***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Public/Transient</b>																							
LOBBY / PREFUNCTION	X	***	-	-	X	*	X	**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VESTIBULE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Back of House</b>																							
MAINTENANCE / EQUIP STORAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHELL SPACES / MECHANICAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Notes:**  
 Priority Levels  
 \*\*\* Top Priority  
 \*\* Medium Priority  
 \* Low Priority

**General Notes:**  
 1. Refer to Sequence of Operations for additional information.  
 2. All final sequences to be confirmed with owner during programming phase of project.  
 3. Manual override control will be provided in all spaces via low voltage wall stations unless noted otherwise. Refer to forthcoming shading Switch Schedule for additional information.

## PROJECT HIGHLIGHTS

Several key points were taken from the facility tours to incorporate to the patient tower's design documents. Below are a few highlights pulled from the full report describing innovative/unique shading approaches based on space, staff and patient needs.

### Patient Care Spaces

#### ▶ Activities of Daily Living (ADL) Spaces

Motorized "demo" shade in space with voice control interface for accessibility, mimicking a "smart home" setup to cater towards future mobility solutions for patients.

#### ▶ Therapy Gym

Selection of motorized shades with tie-in to sun tracking controller to limit number of interactions/touchpoints throughout day. Locate manual override control switches adjacent to window to allow minimal travel distance for staff when working with patients at equipment by windows.

### Staff Support Spaces

#### ▶ Mothers Room / Locker Room

Exploring bottom-up dual-roll shades with translucent privacy fabric to provide a unique shading solution suitable for these privacy-sensitive spaces allowing for increased access to daylight, and privacy.

#### ▶ Conference Rooms

- Owner requested dual-roller blackout motorized shades. Recommend Audio-Video System Tie-In:
- AV System Designer to govern tie-in protocol (RS-232 vs Dry Contact).
  - Final selection to be detailed in Contract Documents.

## the Veil difference.

At Veil, we specialize in project delivery shaped by our core belief—a *properly designed shading system is key to how a user experiences their environment.*

