Shaft Liner panels consist of a fire-resistant type X gypsum core that is encased in a moisture resistant, 100 percent recycled green face and back paper. The face paper is folded around the long edges to reinforce and protect the core. The panels feature a double beveled edge for ease of installation, with the ends being square-cut and finished smooth. Shaft Liner panels are available: 1” thick x 2’ wide, and in a variety of lengths.

Products manufactured by American Gypsum contain no asbestos and no detectable levels of formaldehyde.

Shaft Liner panels have achieved UL Environment’s GREENGUARD GOLD Certification. GREENGUARD Certified products are scientifically proven to meet some of the world’s most rigorous, third-party chemical emissions standards, helping reduce indoor air pollution and the risk of chemical exposure while aiding in the creation of healthier indoor environments.

For more information, visit www.ul.com/gg.

Shaft Liner panels are used in conjunction with other American Gypsum products and metal framing members for Shaftwall and Area Separation Wall systems. Lightweight non-load bearing gypsum Shaftwall systems have replaced traditional masonry for interior vertical enclosures including stairwells, elevator enclosures and mechanical chases.

American Gypsum’s Shaft Liner has been approved for use in the following assemblies:

- U 375 2 Hour H-Stud Area Separation Wall System
- V 455 1 & 2 Hour Shaftwall Systems using I, C-H and C-T Studs
- U 428 2 Hour Shaftwall System using C-H and C-T Studs
- U 429 2 Hour Area Separation Wall System using C-H and C-T Studs

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**STORAGE AND HANDLING**
- The interior of the building must be thoroughly dried immediately.
- The indoor humidity can be lowered by using fans and portable dehumidification equipment and by opening up the building when the outside air is drier than the air inside the structure.
- Damaged gypsum board and other wet materials that are to be replaced must be removed from the building to facilitate drying.
- Closets, cabinets, and doors between rooms should be opened to enhance circulation of air.
- For more detailed information, a water damage restoration specialist should be contacted.

**IMPORTANT - IF THERE IS EVER A DOUBT ABOUT WHETHER TO KEEP OR REPLACE GYPSUM BOARD THAT HAS BEEN EXPOSED TO MOISTURE - REPLACE IT.**

CAUTION: When replacing gypsum board in a fire resistance or sound rated systems, care must be taken to ensure that all repairs are consistent with the specific fire or sound rated design initially constructed (gypsum board type, fasteners and their spacing, and staggered joints).

Gypsum board must be protected during transit with a weather-tight cover in good condition. Plastic shipping bags are intended to provide protection during transit only and must be promptly removed upon arrival of the load. Failure to remove the shipping bag can increase the likelihood of developing conditions favorable to the growth of mold.

Gypsum board must be delivered to the job site as near to the time it will be used as possible. Individuals delivering gypsum board to jobsites should ensure that it is carried, not dragged, to place of storage/installation to prevent damage to finished edges.

Gypsum board must be stored off the ground and under protective cover. Sufficient risers must be used to assure support for the entire length of the wallboard to prevent sagging. Gypsum board shall always be stacked flat - NEVER on edge or end. Gypsum board stacked on edge or end is unstable and presents a serious hazard should it accidentally topple. Gypsum board should be placed so weight is evenly distributed and the floor is not overloaded.

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**GOOD BUILDING PRACTICES**

Installation – Installation of 1” Shaft Liner panels shall be consistent with specified application details for Shaftwall or Area Separation Wall systems. The assembly must be erected in the proper manner and with all approved components used in a successfully completed fire endurance test. The contractor, design professional and or owner shall ensure that only the components that were a part of the approved test are used; do not substitute components. Handling and application shall be consistent with methods described in the noted standards and references indicated below.

**APPLICABLE STANDARDS**

<table>
<thead>
<tr>
<th>Manufacturing</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM C 1396</td>
</tr>
<tr>
<td>Federal Specification – SS-L-30D Type IV Grade X</td>
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<table>
<thead>
<tr>
<th>Installation</th>
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</thead>
<tbody>
<tr>
<td>ASTM C 840</td>
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<tr>
<td>Gypsum Association GA-216</td>
</tr>
<tr>
<td>Gypsum Association GA-620</td>
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<table>
<thead>
<tr>
<th>Surface Burning Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM E 84</td>
</tr>
<tr>
<td>Flame Spread 0</td>
</tr>
<tr>
<td>Smoke Developed 0</td>
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</tbody>
</table>

**FIRE RESISTANCE RATINGS**

Desired fire rated assemblies are specified from tests performed by independent laboratories. These designs are made up of specific materials in a precise configuration. When choosing construction designs to meet certain fire resistance requirements, vigilance must be taken to insure that each component of the selected assembly is the one specified in the test and are assembled in accordance with the requirements of the assembly.

**PRODUCT DATA**

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Widths</th>
<th>Lengths</th>
<th>Edge Type</th>
<th>UL Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>1” (25.4mm)</td>
<td>2’ (610mm)</td>
<td>8’ - 12’ (2438mm - 3658mm)</td>
<td>Double Beveled</td>
<td>AG-S</td>
</tr>
</tbody>
</table>

Special lengths or edges may be available on special order. Consult your American Gypsum sales representative for details. Thermal Resistance “R” Value

1” = 0.73

**SUBMITTAL APPROVALS**

Job Name: ____________________________

Contractor: ____________________________  Date: ____________________________

DCN1074  February 2019