SECTION 09 29 00 – GYPSUM BOARD, 1 in. (25.4 mm) USG Sheetrock® Brand Mold Tough® Gypsum Liner Panels (UL Type SLX)

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| **Product Summary:** |
| * 1 in. (25.4 mm) Type X liner panels with moisture and mold resistance for use in shaft wall and area separation wall systems * Feature a noncombustible, moisture-resistant gypsum core that is encased in moisture- and mold-resistant, 100% recycled green face and back papers * Comprehensive product and system testing assures long-term performance and safety * Double-beveled edges for easy installation * Comply with ASTM C1396, *Standard Specification for Gypsum Board*, for 1 in. (25.4 mm), Type X and  water-resistant gypsum shaftliner board * When tested in accordance with ASTM D3273, *Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber*, the panels meet or exceed ASTM C1396  specifications * Underwriters Laboratories Inc. (UL) Classification as to fire resistance, surface burning characteristics and  noncombustibility * Can be used in any UL Design in which Type SLX panels are listed * Achieved GREENGUARD Gold Certification and qualifies as a low VOC emitting material (meets CA 01350) * For more information, refer to product submittal sheet WB2389 or usg.com |

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| **Note to Specification Writers:** |
| * This document is not intended to function as a standalone specification. It is intended to assist the specifier in inserting the proper language into the following recommended specification sections: 09 29 00 – GYPSUM BOARD. * This product is manufactured at USG gypsum panel plants, reducing distances and carbon footprint for transport. * Panels shall be installed in accordance with GA-216, *Specifications for the Application and Finishing of  Gypsum Panel Products* and ASTM C840, *Standard Specification for Application and Finishing of Gypsum Board*. * Contact USG at800.874.4968 for technical questions. |

PART 2 – GYPSUM PANEL PRODUCTS

* + - 1. MOISTURE- AND MOLD-RESISTANT TYPE X GYPSUM SHAFTLINER PANEL
         1. ASTM C1396, *Standard Specification for Gypsum Board*, for 1 in. (25.4 mm), Type X and water-resistant gypsum shaftliner board

Basis of Design: Subject to compliance with project requirements, the design is based on the following: United States Gypsum Company, USG Sheetrock® Brand Mold Tough® Gypsum Liner Panels

UL Type Designation: “SLX”

ASTM E136 Noncombustibility: Meets

ASTM E84 Surface-Burning Characteristics

Flame Spread: 20

Smoke Developed: 0

Class A (Flame spread not greater than 25 and smoke developed not greater than 450): Meets

ASTM C473, *Standard Test Methods for Physical Testing of Gypsum Panel Products*

Core Hardness

Field [Not less than 11 lbf (49 N)]: Meets

End [Not less than 11 lbf (49 N)]: Meets

Edge [Not less than 11 lbf (49 N)]: Meets

Flexural Strength

Parallel [Not less than 77 lbf (343 N)]: Meets

Perpendicular [Not less than 228 lbf (1014 N)]: Meets

Nail Pull Resistance (Not required): Meets

Humidified Deflection (Not required): Meets

Average Water Absorption (Not greater than 5% by weight after two-hour immersion): Meets

ASTM D3273, *Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber*: Meets ASTM C1396 specifications

Thickness: 1 in. (25.4 mm)

Length: 8 ft. (2438 mm), 10 ft. (3048 mm), 12 ft. (3658 mm)

Width: 2 ft. (610 mm)

Weight: 4.0 lb./sq. ft. (19.5 kg/sq. m.)

Edge: Double-beveled

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