SECTION 09 29 00 – GYPSUM BOARD, 1/2 in. (12.7 mm) USG Sheetrock® Brand Firecode® C Panels (UL Type C)

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| **Product Summary:** |
| * 1/2 in. (12.7 mm) enhanced proprietary Type X panels for interior wall and ceiling applications * Feature a noncombustible gypsum core that is encased in 100% recycled face and back papers that form a high strength composite design * Comply with ASTM C1396, *Standard Specification for Gypsum Board*, for 1/2 in. (12.7 mm) and Type X gypsum wallboard * Underwriters Laboratories Inc. (UL) Classification as to fire resistance, surface-burning characteristics and  noncombustibility * Can be used in any UL Design in which Type C 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 WB2965 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. TYPE X GYPSUM PANEL
         1. ASTM C1396, *Standard Specification for Gypsum Board*, for 1/2 in. (12.7 mm) and Type X gypsum wallboard

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

UL Type Designation: “C”

ASTM E136 Noncombustibility: Meets

ASTM E84 Surface-Burning Characteristics

Flame Spread: 15

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 36 lbf (160 N)]: Meets

Perpendicular: [Not less than 107 lbf (476 N)]: Meets

Nail Pull Resistance: [Not less than 77 lbf (343 N)]: Meets

Humidified Deflection: [Not greater than 1-1/4 in. (32 mm)]: Meets

Thickness: 1/2 in. (12.7 mm)

Length: 8-12 ft. (2438-3658 mm)

Width: 4 ft. (1219 mm), 54 in. (1372 mm)

Weight: 2.0 lb./sq. ft. (9.8 kg/sq. m.)

Edge: Tapered

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