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This MANU-SPEC® utilizes the Construction Specifications Institute (CSI) *Project Resource Manual* (PRM), including *MasterFormat*™, *SectionFormat*™ and *PageFormat*™. A MANU-SPEC is a manufacturer-specific proprietary product specification using the proprietary method of specifying applicable to project specifications and master guide specifications. Optional text is indicated by brackets []; delete optional text in final copy of specification. Specifier Notes typically precede specification text; delete notes in final copy of specification. Trade/brand names with appropriate symbols typically are used in Specifier Notes; symbols are not used in specification text. Metric conversion, where used, is soft metric conversion.

This MANU-SPEC specifies a structural laminated drywall corner system. These products are manufactured by Structus Building Technologies, Inc. Revise MANU-SPEC section number and title below to suit project requirements, specification practices and section content. Refer to CSI *MasterFormat*™ for other section numbers and titles.

SECTION 09 29 00
GYPSUM BOARD

PART 1 GENERAL

Specifier Note: Article below may be omitted when specifying manufacturer's proprietary products and recommended installation. Retain Reference Article when specifying products and installation by an industry reference standard. If retained, list standard(s) referenced in this section. Indicate issuing authority name, acronym, standard designation and title. Establish policy for indicating edition date of standard referenced. Conditions of the Contract or Section 01 42 19 - Reference Standards may establish the edition date of standards. This article does not require compliance with standard, but is merely a listing of references used. Article below should list only those industry standards referenced in this section. Retain only those reference standards to be used within the text of this Section. Add and delete as required for specific project.

1.01 REFERENCES

- A. ASTM International (ASTM):
 1. ASTM D1037 Standard Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials.
 2. ASTM E72 Standard Test Methods of Conducting Strength Tests of Panels for Building Construction.
 3. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials.

1.02 SYSTEM DESCRIPTION

- A. Performance Requirements:
 1. Physical Performance:
 - a. Impact Resistance: Minimum drop height at initial failure of 96 inches (2438 mm) when tested in accordance with ASTM D1037 (modified).
 - b. Racking Resistance: No failure to maximum test deflection when tested in accordance with ASTM E72 (modified).

Specifier Note: Retain fire performance requirement below if required to conform to project requirements.

- 2. Fire Performance:
 - a. Surface Burning Characteristics:
 - 1) Flamespread: 5, maximum, when tested in accordance ASTM E84:

- 2) Smoke Density: 100, maximum, when tested in accordance ASTM E84.

Specifier Note: Article below includes submittal of relevant data to be furnished by Contractor, either before, during or after construction. Coordinate this article with Architect's and Contractor's duties and responsibilities in Conditions of the Contract and Division 01 Submittal Procedures Section.

1.03 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 01 Submittal Procedures Section.
- B. Product Data: Submit product data, including manufacturer's SPEC-DATA® sheet, for specified products.

Specifier Note: Article below should include prerequisites, standards, limitations and criteria that establish an overall level of quality for products and workmanship for this section. Coordinate article below with Division 01 Quality Assurance Section.

1.04 QUALITY ASSURANCE

Specifier Note: Paragraph below should list obligations for compliance with specific code requirements particular to this section. General statements to comply with a particular code are typically addressed in Conditions of the Contract and Division 01 Regulatory Requirements Section. Repetitive statements should be avoided.

- A. Regulatory Requirements: In accordance with Section [01 41 00 - Regulatory Requirements] [_____].

1.05 DELIVERY, STORAGE & HANDLING

- A. General: Comply with Division 01 Product Requirements Section.
- B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- C. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.

PART 2 PRODUCTS

Specifier Note: Retain article below for proprietary method specification. Add product attributes, performance characteristics, material standards and descriptions as applicable. Use of such phrases as "or equal," "or approved equal" or similar phrases may cause ambiguity in specifications. Such phrases require verification (procedural, legal and regulatory) and assignment of responsibility for determining "or equal" products.

2.01 CORNER SYSTEM

Specifier Note: Paragraph below is an addition to CSI *SectionFormat* and a supplement to MANU-SPEC. Retain or delete paragraph below per project requirements and specifier's practice.

- A. Manufacturer: Structus Building Technologies, Inc.
 - 1. Contact: P.O. Box 5937, Bend, OR 97708-5937; Telephone: (888) 622-6281, (541) 330-0668; Fax: (541) 389-7207; E-mail: info@no-coat.com; website: www.structus.com.

Specifier Note: Retain materials below that conform to project requirements.

- B. ULTRAFLEX: [ULTRAFLEX 325] [ULTRAFLEX 450] [ZOOMA-FLEX].
- C. ULTRATRIM: [INSIDE 90] [OUTSIDE 90] [WIDE OUTSIDE 90] [L TRIM 1/2"] [L TRIM 5/8"] [BULLNOSE 3/8"] [BULLNOSE 3/4"] [BULLNOSE 135°].
- D. ULTRA ARCH: [BULLNOSE 3/8"] [BULLNOSE 3/4"] [OUTSIDE 90].

2.02 PRODUCT SUBSTITUTIONS

- A. Substitutions: Substitutions in accordance with Section [01 25 13 - Product Substitution Procedures] [No substitutions permitted] [_____].

PART 3 EXECUTION

Specifier Note: Paragraph below is an addition to CSI *SectionFormat* and a supplement to MANU-SPEC. Retain or delete paragraph

below per project requirements and specifier's practice.

3.01 MANUFACTURER'S INSTRUCTIONS

- A. Compliance: Comply with manufacturer's product data, including product technical bulletins, product catalog installation instructions and product carton instructions for installation.

3.02 EXAMINATION

- A. Site Verification of Conditions: Verify that substrate conditions, for substrates previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.

END OF SECTION