

UL U419 - FIRE-RESISTANCE RATINGS



Product iQ®

Design/System/Construction/Assembly Usage Disclaimer

Authorities having jurisdiction should be consulted in all cases as to the particular requirements concerning the installation and use of UL Certified products, equipment, systems, devices, and materials. Authorities having jurisdiction should be consulted before construction. Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field. When field issues arise, it is recommended that the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide information for each product category and each group of assemblies. The Guide information includes specific concerning alternate materials and alternate methods of construction. Only products which bear UL's mark are considered Certified.

ULU - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

ULU17 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

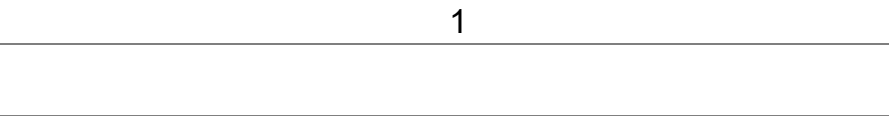
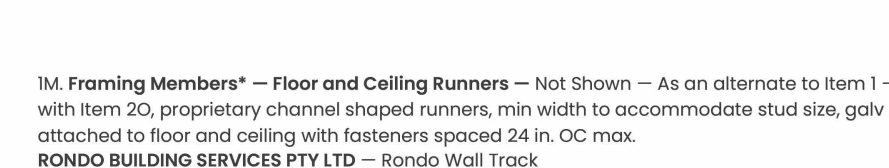
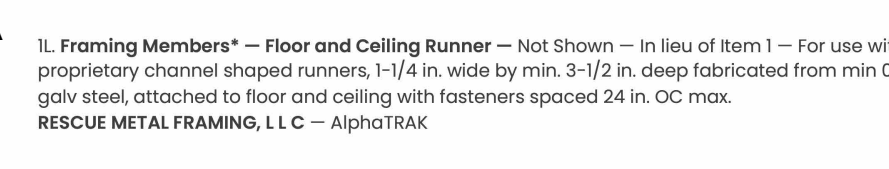
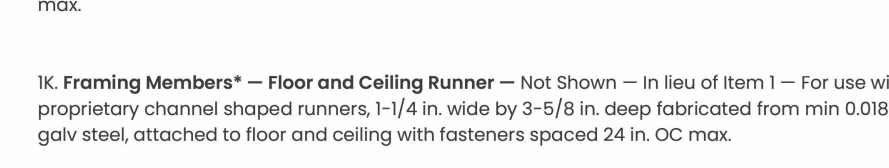
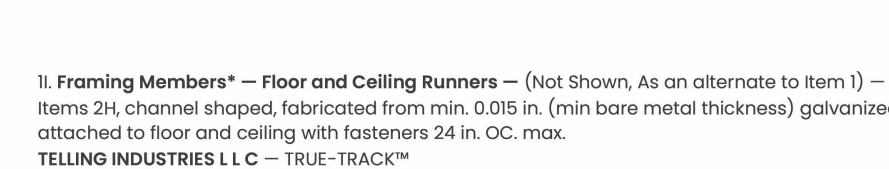
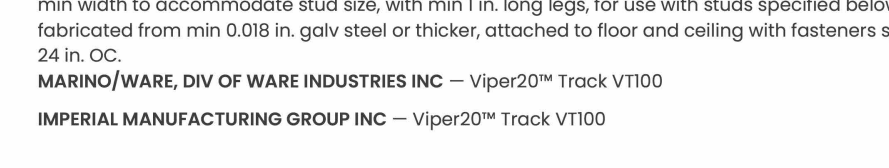
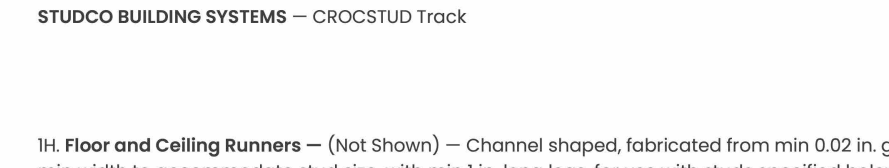
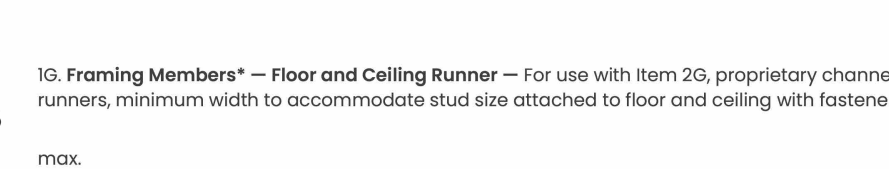
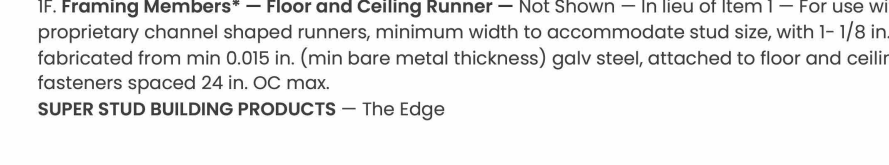
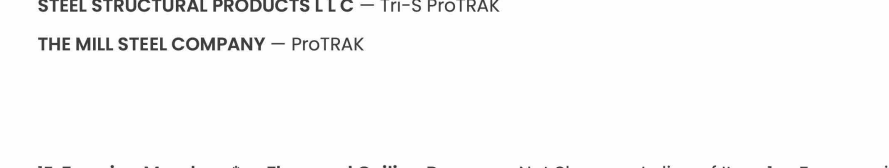
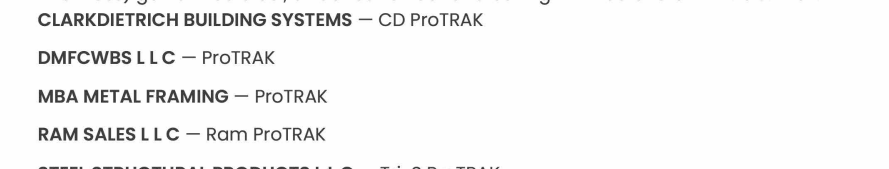
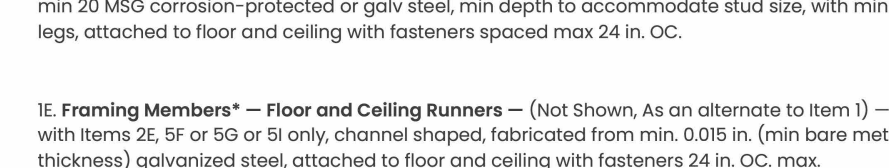
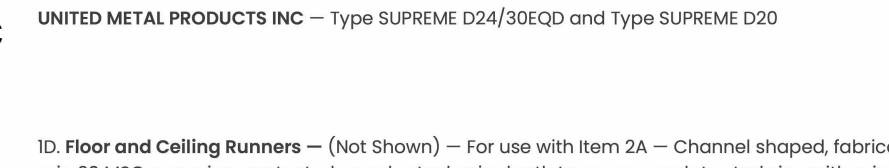
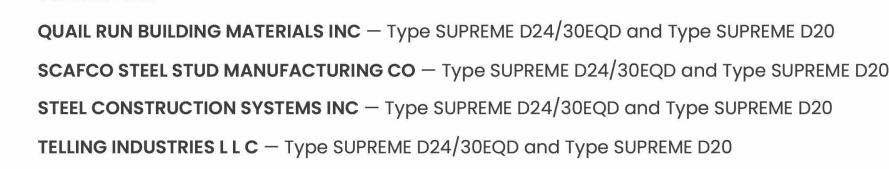
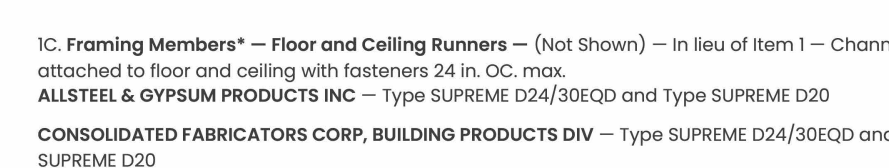
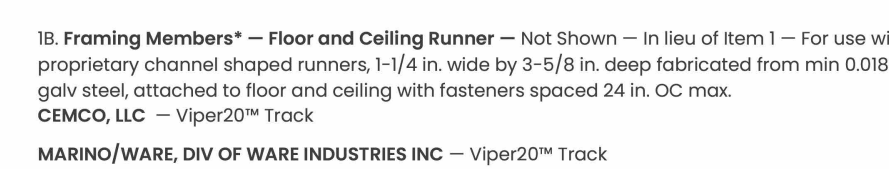
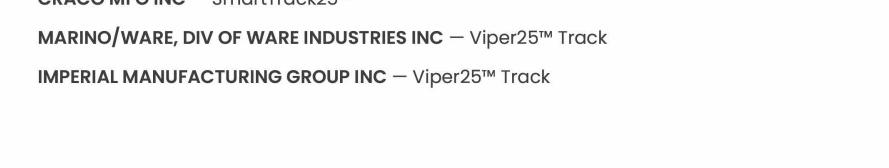
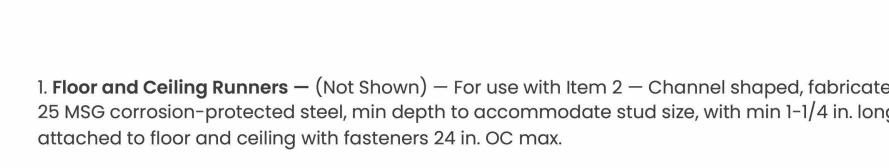
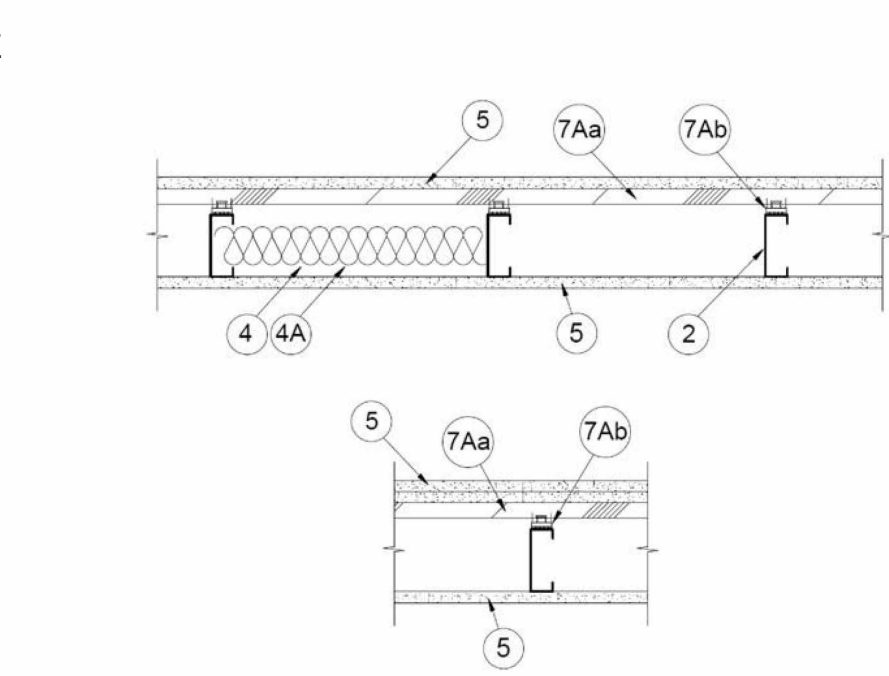
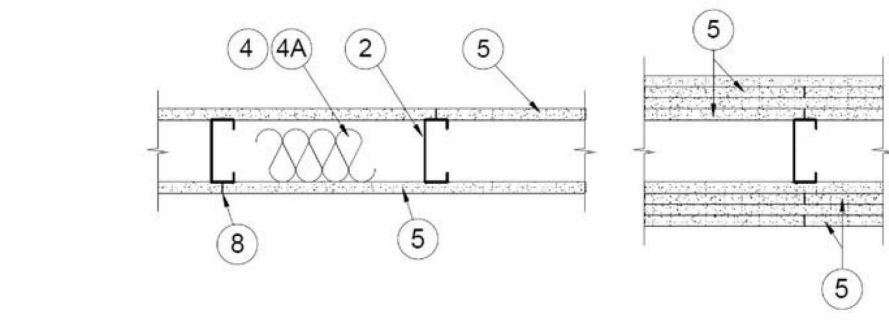
See General Information for Fire Resistance Ratings - ANSI/UL 263 Certified for United States

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Design No. U419

December 15, 2025

Nonbearing Wall Studs - 1, 2, 3, 4 or 4 in. (See Items 4 & 5 through 5) * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (Such as Canada), respectively.



1N. Framing Members* - Floor and Ceiling Runners - Not Shown - As an alternate to item 1 - For use with item 25, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. **ISO BUILDING MATERIALS** - ISO Track

10. Framing Members* - Floor and Ceiling Runner - Not Shown - In lieu of item 1 - For use with item 20, proprietary channel shaped runners, min width to accommodate stud size, fabricated from min. 20 M20 (0.018 in. min. bore metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max. **CEMCO, LLC** - Viper® Track

1F. Framing Members* - Floor and Ceiling Runner - (Not Shown - Alternate to item 1) - For use with item 20, channel shaped runners pre-wrapped with proprietary attachment clips. Min. 3/8 in. wide, legs of top runners minimum 3/4 in. wide, legs of bottom runners minimum 1/2 in. wide, runners attached to floor and ceiling with fasteners 24 in. OC max.

HYPERFRAME INC. - Hypertrack

10. Framing Members* - Floor and Ceiling Runner - Not Shown - In lieu of item 1 - For use with item 20, proprietary channel shaped runners, min width to accommodate stud size, fabricated from min. 20 M20 (0.018 in. min. bore metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max.

JMC INTERNATIONAL DISTRIBUTORS - Non-structural Tracks 3-5/8" and 6"

18. Framing Members* - Floor and Ceiling Runner - Not Shown - In lieu of item 1 - For use with item 20, proprietary channel shaped runners, min width to accommodate stud size, fabricated from min. 20 M20 (0.018 in. min. bore metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max.

IRONLINE METALS LLC - Bantam Track

2. Steel Studs - Channel shaped, fabricated from min 25 M50 corrosion-protected steel, min depth as indicated under item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

2A. Steel Studs - (As an alternate to item 2, for use with items 5B, 5C, 5D, or 5E) - Channel shaped, fabricated from min 20 M50 corrosion-protected or galv steel, 3-1/2 in. thick, depth, spaced a max of 18 in. OC. Studs fabricate into floor and ceiling runners. Studs to be cut 3/8 to 3/4 in. less than assembly height.

2B. Framing Members* - Steel Studs - (As an alternate to item 2, for use with items 5C, 5D, or 5E) - Proprietary channel shaped studs, 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than the assembly height and installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.

CEMCO, LLC - Viper®

2C. Framing Members* - Steel Studs - (As an alternate to item 2, for use with items 5C, 5D, or 5E) - Proprietary channel shaped studs, 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

CEMCO, LLC - Viper®

2D. Framing Members* - Steel Studs - (As an alternate to item 2) - For use with items 5F or 5G or 5H or 5I, only, channel shaped studs, min depth as indicated under item 5F, 5G or 5I, fabricated from min. 0.018 in. (min bore metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDITTRICH BUILDING SYSTEMS - C-Profile

2E. Framing Members* - Steel Studs - (As an alternate to item 2) - For use with items 5F or 5G or 5H or 5I, only, channel shaped studs, min depth as indicated under item 5F, 5G or 5I, fabricated from min. 0.018 in. (min bore metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDITTRICH BUILDING SYSTEMS - C-Profile

2F. Framing Members* - Steel Studs - (As an alternate to item 2) - For use with items 5F or 5G or 5H or 5I, only, channel shaped studs, min depth as indicated under item 5F, 5G or 5I, fabricated from min. 0.018 in. (min bore metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDITTRICH BUILDING SYSTEMS - C-Profile

2G. Framing Members* - Steel Studs - (As an alternate to item 2) - For use with items 5F or 5G or 5H or 5I, only, channel shaped studs, min depth as indicated under item 5F, 5G or 5I, fabricated from min. 0.018 in. (min bore metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDITTRICH BUILDING SYSTEMS - C-Profile

2H. Framing Members* - Steel Studs - (As an alternate to item 2) - For use with items 5F or 5G or 5H or 5I, only, channel shaped studs, min depth as indicated under item 5F, 5G or 5I, fabricated from min. 0.018 in. (min bore metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDITTRICH BUILDING SYSTEMS - C-Profile

2I. Framing Members* - Steel Studs - (As an alternate to item 2) - For use with items 5F or 5G or 5H or 5I, only, channel shaped studs, min depth as indicated under item 5F, 5G or 5I, fabricated from min. 0.018 in. (min bore metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDITTRICH BUILDING SYSTEMS - C-Profile

2J. Framing Members* - Steel Studs - (As an alternate to item 2) - For use with items 5F or 5G or 5H or 5I, only, channel shaped studs, min depth as indicated under item 5F, 5G or 5I, fabricated from min. 0.018 in. (min bore metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDITTRICH BUILDING SYSTEMS - C-Profile

2K. Framing Members* - Steel Studs - (As an alternate to item 2) - For use with items 5F or 5G or 5H or 5I, only, channel shaped studs, min depth as indicated under item 5F, 5G or 5I, fabricated from min. 0.018 in. (min bore metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDITTRICH BUILDING SYSTEMS - C-Profile

2L. Framing Members* - Steel Studs - (As an alternate to item 2) - For use with items 5F or 5G or 5H or 5I, only, channel shaped studs, min depth as indicated under item 5F, 5G or 5I, fabricated from min. 0.018 in. (min bore metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDITTRICH BUILDING SYSTEMS - C-Profile

2M. Framing Members* - Steel Studs - (As an alternate to item 2) - For use with items 5F or 5G or 5H or 5I, only, channel shaped studs, min depth as indicated under item 5F, 5G or 5I, fabricated from min. 0.018 in. (min bore metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDITTRICH BUILDING SYSTEMS - C-Profile

2N. Framing Members* - Steel Studs - (As an alternate to item 2) - For use with items 5F or 5G or 5H or 5I, only, channel shaped studs, min depth as indicated under item 5F, 5G or 5I, fabricated from min. 0.018 in. (min bore metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDITTRICH BUILDING SYSTEMS - C-Profile

2O. Framing Members* - Steel Studs - (As an alternate to item 2) - For use with items 5F or 5G or 5H or 5I, only, channel shaped studs, min depth as indicated under item 5F, 5G or 5I, fabricated from min. 0.018 in. (min bore metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDITTRICH BUILDING SYSTEMS - C-Profile

2P. Framing Members* - Steel Studs - (As an alternate to item 2) - For use with items 5F or 5G or 5H or 5I, only, channel shaped studs, min depth as indicated under item 5F, 5G or 5I, fabricated from min. 0.018 in. (min bore metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDITTRICH BUILDING SYSTEMS - C-Profile

2Q. Framing Members* - Steel Studs - (As an alternate to item 2) - For use with items 5F or 5G or 5H or 5I, only, channel shaped studs, min depth as indicated under item 5F, 5G or 5I, fabricated from min. 0.018 in. (min bore metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDITTRICH BUILDING SYSTEMS - C-Profile

2R. Framing Members* - Steel Studs - (As an alternate to item 2) - For use with items 5F or 5G or 5H or 5I, only, channel shaped studs, min depth as indicated under item 5F, 5G or 5I, fabricated from min. 0.018 in. (min bore metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDITTRICH BUILDING SYSTEMS - C-Profile

2S. Framing Members* - Steel Studs - (As an alternate to item 2) - For use with items 5F or 5G or 5H or 5I, only, channel shaped studs, min depth as indicated under item 5F, 5G or 5I, fabricated from min. 0.018 in. (min bore metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDITTRICH BUILDING SYSTEMS - C-Profile

2T. Framing Members* - Steel Studs - (As an alternate to item 2) - For use with items 5F or 5G or 5H or 5I, only, channel shaped studs, min depth as indicated under item 5F, 5G or 5I, fabricated from min. 0.018 in. (min bore metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDITTRICH BUILDING SYSTEMS - C-Profile

IRONLINE METALS LLC - Bantam Stud

3. Wood Structural Panel Sheathing - (Optional, for use with item 2 only) - (Not Shown) - 4 in. wide, 7/8 in. thick oriented strand board (OSB) or 19/32 in. thick structural sheathing (plywood) complying with DCC H1 or H2, or APA Standard PS-90, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered over studs, and staggered one stud space from wallboard joints. Attached to studs with self-drilling tapping screws with a min. head diam. of 0.293 in. (min. bore metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max. **CEMCO, LLC** - Viper® Track

4. Bolts and Blankets* - (Required as indicated under item 5) - Mineral wool bolts, friction fitted between studs and runners. Min. non-inches as indicated under item 5.

See Bolts and Blankets (BKN or BZJ) Categories for names of Classified companies.

4A. Bolts and Blankets* - (Optional - as an alternate to item 4) - Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as a Floor-Building Characteristics and/or Fire Resistance.

See Bolts and Blankets (BKN or BZJ) Categories for names of Classified companies.

4B. Fiber, Sprayfoam* - (Optional - as an alternate for item 4 or 4A, for use with item 10) Where insulation is required - Spray applied granulated mineral fiber material. The fiber is applied with adhesive at a minimum density of 4.0 pcf to completely fill the stud cavity in accordance with the application instructions supplied with the product. See Fiber, Sprayfoam (CCLZ).

4C. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4D. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4E. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4F. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4G. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4H. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4I. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4J. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4K. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4L. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4M. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4N. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4O. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4P. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4Q. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4R. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4S. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4T. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4U. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4V. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4W. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4X. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4Y. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4Z. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4AA. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4AB. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4AC. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4AD. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

4AE. Foamed Plastic* - (As an alternate for item 4A or 4B, for use with item 5C) - Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2-hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 M50 steel thickness.

Horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems), staggered a min of 12 in. The thickness and number of layers for the 2, 3, 4 and 4+ ratings are as follows.

Rating, Hr	Min Stud Depth, In. Item 2E	No. of Layers & Thickness of Panel	Min Thickness of Insulation (Item 4)
2	1-5/8	2 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
3	1-5/8	4 layers, 5/8 in. thick	Optional
3	1-5/8	4 layers, 1/2 in. thick	Optional

CCC INC. - 1/2 in. thick Type C, P-X2 or PC-AR; 5/8 in. thick Type AR, C, P-AR, P-XL, P-X2, PC-AR, SCX, SHX, LUX or 3/4 in. thick Types P-X3 or ULTRACORE

THE SIAM GYPSUM INDUSTRY (SONGKHA) CO. - 1/2 in. thick Types C and 5/8 in. thick SCX

UNITED STATES GYPSUM CO. - 1/2 in. thick Type C, P-X2, PC-AR or 5/8 in. thick Type SCX, SCX, SHX, P-XL, AR, C, LUX or P-AR, P-X2, PC-AR, LUX, 3/4 in. thick Types P-X3 or ULTRACORE

USO BORAL DRYWALL SZL - 1/2 in. thick Type C, 5/8 in. thick Types C, SCX, SCX, ULTRACORE

USO MEXICO S A DE CV - 1/2 in. thick Type C, P-X2, PC-AR or 5/8 in. thick Type AR, C, P-AR, P-XL, P-X2, PC-AR, SCX, SHX, or

UL X528 - FIRE-RESISTANCE RATINGS

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Design/System/Construction/Assembly Usage Disclaimer

• Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.

• Authorities Having Jurisdiction should be consulted before construction.

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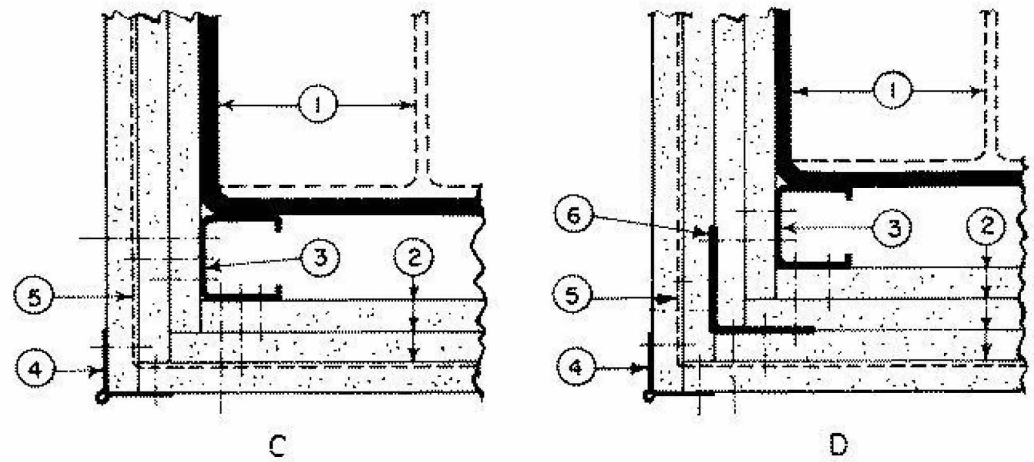
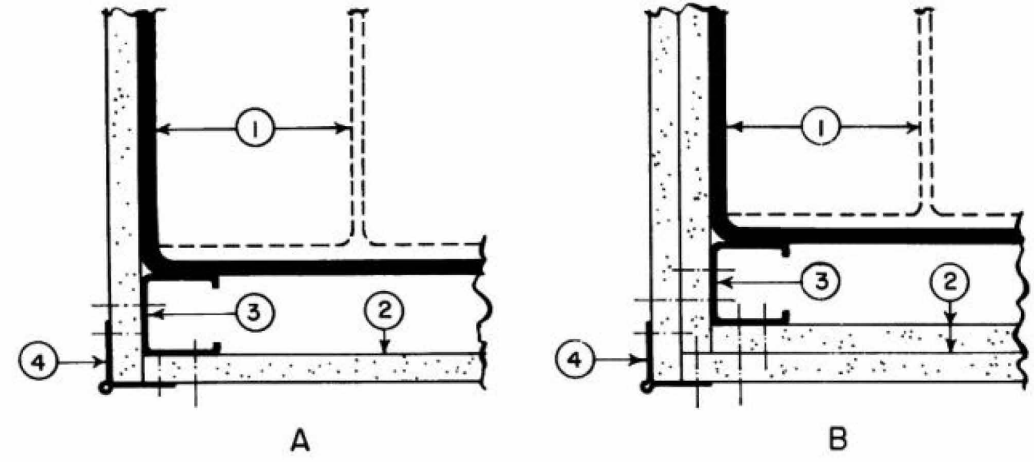
• When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.

• Only products which bear UL's Mark are considered Certified.

See General Information for Fire-Resistance Ratings - ANSI/UL 283 Certified for United States
See General Information for Fire-Resistance Ratings - CAN/ULC-S101 Certified for Canada
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Design No. X528
October 9, 2025

Ratings – 1, 2 and 3 Hr.
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



CORNER DETAILS OF WALLBOARD SUPPORT SYSTEMS WITHOUT STEEL COVERS

1. **Steel Column** – Min sizes of W-shaped and tubular steel column which appear in the AISI Steel Construction Manual as shown under Item 2.
2. **Gypsum Board*** – Any 1/2 in. thick UL Classified Gypsum Board that is eligible for use in Design No. X515. Any 5/8 in. thick UL Classified Gypsum Board that is eligible for use in Design Nos. L501, 0512 or U205. Nom 1/2 in. or 5/8 in. thick gypsum board. Applied in layers as noted in the above illustrations. Boards are to be applied vertically without horizontal joints. Min total thickness of layers in inches for the various ratings and min column sizes are as follows:

W Shaped Column Min Column Size	Rating (Hr)			Corner Details For Various Rating		
	1	2	3	1 Hr	2 Hr	3 Hr
Total thickness (in.)						
W4x13	1	1-1/2	2-1/4	B	C	D
W6x15.5	1	1-1/2	2-1/4	B	C	D
W10x49	1/2	1-1/8	1-7/8	A	B	C
Tube Shaped columns						
TS 4 by 4						
by0.188	1	1-3/4	2-5/8	B	C	D
TS 8 by 8						
by 0.250	5/8	1-1/2	2-1/4	A	C	D

AMERICAN GYPSUM CO (View Classification) – CNKX.R14196
BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO (View Classification) – CNKX.R19374
CABOT MANUFACTURING ULC (View Classification) – CNKX.R23730

CERTAINTED GYPSUM INC (View Classification) – CNKX.R3660
CGC INC (View Classification) – CNKX.R19751
GEORGIA-PACIFIC GYPSUM L L C (View Classification) – CNKX.R2717
NATIONAL GYPSUM CO (View Classification) – exP-C, CNKX.R3501
PARCO BUILDING PRODUCTS L L C, DBA PARCO GYPSUM (View Classification) – CNKX.R7094
PANEL REV'S A (View Classification) – CNKX.R21795
SIAM GYPSUM INDUSTRY (SARABURI) CO LTD (View Classification) – CNKX.R19262
THAI GYPSUM PRODUCTS PCL (View Classification) – CNKX.R27517
THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO (View Classification) – CNKX.R40305
UNITED STATES GYPSUM CO (View Classification) – CNKX.R1319
USG BORAL DRYWALL SFZ LLC (View Classification) – CNKX.R38438
USG MEXICO S A DE C V (View Classification) – CNKX.R165089

2A. **Gypsum Board*** – As an alternate to Item 2- 3/4 in. thick gypsum wallboard. For 2 Hr rating, 1-1/2 in. total thickness, installed in accordance with corner detail B. For 3 Hr rating, 2-1/4 in. total thickness installed in accordance with corner detail C. Boards are to be applied vertically without horizontal joints. CGC INC – Type IP-X3 or ULTRACODE
UNITED STATES GYPSUM CO – Type IP-X3 or ULTRACODE
USG BORAL DRYWALL SFZ LLC – Type ULTRACODE
USG MEXICO S A DE C V – Type IP-X3 or ULTRACODE

2B. **Gypsum Board*** – (As an alternate to Items 2 and 2A) – Nominal 5/8 in. thick panels. One of the layers of **Gypsum Board** (Item 2) used to obtain the minimum required thickness in Item 2 may be substituted with one layer and secured as described in Item 2.
PARCO BUILDING PRODUCTS L L C, DBA PARCO GYPSUM – Type QuietRock ES

2C. **Wall and Partition Facings and Accessories*** – (As an alternate to Item 2 through 2B) – Composite Gypsum Panel – Nominal 5/8 in. thick panels. One of the layers of **Gypsum Board** (Item 2) used to obtain the minimum required thickness in Item 2 may be substituted with one layer of composite gypsum panel and secured as described in Item 2.
PARCO BUILDING PRODUCTS L L C, DBA PARCO GYPSUM – Type QuietRock OR

2D. **Gypsum Board*** – (As an alternate to Item 2) – 1/2 in. thick, installed as described in Item 2.
CERTAINTED GYPSUM INC – Type C

2E. **Gypsum Board*** – (As an alternate to Item 2) – 1/2 in. or 5/8 in. thick, installed as described in Item 2. For single layer systems, horizontal joints spaced minimum 8 ft apart. For multi-layer systems, horizontal joints in adjacent layers staggered min 12 in. from previous layer.
CERTAINTED GYPSUM INC – 1/2 or 5/8 in. thick Type C, 5/8 in. thick Types GlasRoc, X-1, SilentFX, LWTX
2F. **Gypsum Board*** – (As an alternate to Item 2) – 3/4 in. thick. For 2 Hr rating, 1-1/2 in. total thickness, installed in accordance with corner detail B. For 3 Hr rating, 2-1/4 in. total thickness installed in accordance with corner detail C. Boards are to be applied vertically without horizontal joints. Not applicable to TS 4 by 4 by 0.188 Tube Shaped Column.
National Gypsum Co – Type UltraShield

3. **Steel Stud** – 1-5/8 in. wide with minimum 1-1/4 in. legs having a 1/4- in. folded flange, fabricated from min. 0.0179 in. thick bare metal thickness steel. Length to be 1/2 in. less than the assembly height.

3A. **As an alternate to Item 3, Framing Members*** – galv. steel clips spaced 4 ft OC and 1-1/4 in. from top and bottom of column. A No. 28 MSG galv steel support angle with 1-1/4 in. length shall be placed over clips and secured with screws attaching the wallboard. The angle cut 1 in. less than assembly height splices in angle to occur over clips. The clips for use with wide flange columns only.
JOHN WAGNER ASSOCIATES INC, DBA GRABBER – Types CB, CB/Clips.

4. **Corner Beads** – No. 28 MSG galv steel, 1-1/4 in. legs to be attached to the wallboard with No. 6 by 1 in. screws spaced 12 in. OC max.

4A. **Corner Bead*** – (As an alternate to Item 4) – Attached to gypsum board using all-purpose ready mix joint compound.

CERTAINTED GYPSUM INC – Types NC, NCPRO, NC450
BAILEY METAL PRODUCTS LTD – Types NC, NCPRO, NC450

5. **Tie Wire** – No. 18 SWG steel wire spaced 24 in. OC used with second layer of wallboard.

6. **Screws** – For attaching first layer of wallboard to steel studs, and third layer of wallboard to 2 in. by 2 in. steel angle (2S Goa) to be No. 6 by 1 in. (or 1-1/4 in. for 3/4 in. thick wallboard) Phillips head self-drilling, self-tapping double lead screws spaced 24 in. OC. For attaching second layer of wallboard to steel studs and fourth layer of wallboard to 2 in. by 2 in. steel angle (2S Goa) to be No. 6 by 1-3/4 in. (or 2-1/4 in. for 3/4 in. thick wallboard) steel screws of the same type spaced 12 in. OC. For attaching third layer of wallboard to steel studs to be No. 8 by 2-1/4 in. screws of the same type spaced 12 in. OC.

7. **Finishing System** – (Not Shown) – Joint compound applied over corner beads to a thickness of 1/16 in.

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UL U438 - FIRE-RESISTANCE RATINGS

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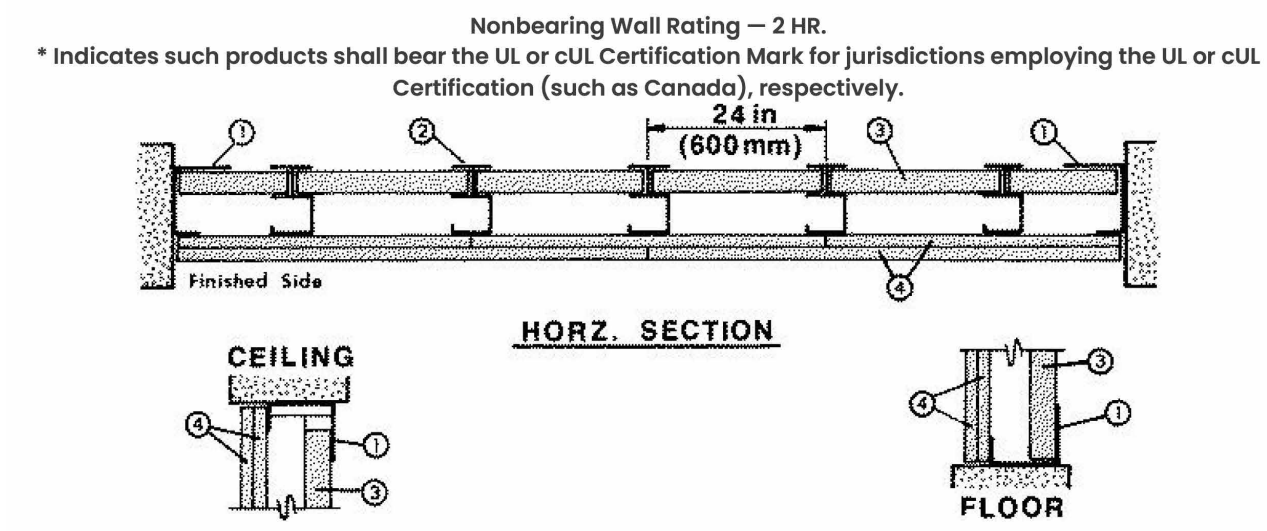
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See General Information for Fire-Resistance Ratings - CAN/ULC-S101 Certified for Canada

Design No. U438

November 14, 2025



1. **Floor and Ceiling Runners** – "J"-shaped runner, 2-1/2 in. wide with unequal legs of 1 in. and 2 in., fabricated from 24 MSG galv steel (min 20 MSG when Item 4B is used). Runners positioned with short leg toward finished side of wall. Fasteners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC.

2. **Steel Studs** – "C"-H"-shaped studs, 2-1/2 in. wide by 1-1/2 in. deep, fabricated from 25 MSG galv steel (min 20 MSG when Item 4B, 4D, or 4E is used). Cut to lengths 3/8 to 1/2 in. less than floor to ceiling height and spaced 24 in. or 600 mm OC (max 18 in. OC when Items 4B, 4D, 4E is used).

2A. **Steel Studs** – (Not shown) – "E"-shaped studs installed in place of "C"-H"-shaped studs (Item 2) to secure the closure liner panels at the ends of walls. Fabricated from 25 MSG galv steel (min 20 MSG when Item 4B, 4D, or 4E is used). 2-1/2 in. wide with one leg 1 in. long and two legs 3/4 in. long. Shorter legs 1 in. apart to engage gypsum liner panels. Cut to lengths 3/8 in. less than floor to ceiling height. Sill and lintel of opening formed with "J"-shaped runners (Item 1) secured to "E"-shaped studs with angle clips and steel screws.

3. **Gypsum Board*** – 1 in. thick gypsum wallboard liner panels, supplied in nom 24 in. or 600 mm (for metric spacing) widths. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges inserted in "H"-shaped section of "C"-H"-stud. Free edge of panels attached to long leg of "J"-runners with 1-5/8 in. long Type S steel screws spaced not greater than 12 in. OC.
CGC INC – Type SLX.

CERTAINTED GYPSUM INC – Type Shiftliner, LIGCSL

NATIONAL GYPSUM CO – FSW, FSW - 7

UNITED STATES GYPSUM CO – Type SLX

USG BORAL DRYWALL SFZ LLC – Type SLX

USG MEXICO S A DE C V – Type SLX

4. **Gypsum Board*** – 1/2 in. thick, 4 ft. or 1200 mm (for metric spacing) wide wallboard applied vertically in two layers. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC along the edges and in the field of the boards. Outer or face layer attached to studs and "J"-runners with 1-5/8 in. long Type S steel screws spaced 12 in. along the edges and in the field of the boards, staggered from screws in inner layer. Joints between inner and outer layers staggered. Outer layer joints covered with paper tape and joint compound. Exposed screw heads covered with joint compound.

As an alternate method, inner wallboard layer applied vertically, outer wallboard layer applied horizontally. Inner layer attached to studs with 1 in. Type S steel screws spaced 24 in. OC along vertical edges and in the field. Outer layer attached to the studs and "J" runners over the inner layer with 1-5/8 in.

long Type S steel screws spaced 12 in. OC in the field, along the vertical edges and to the floor and ceiling runners. Outer layer secured to inner layer wallboard with 1-1/2 in. long Type G steel screws located midway between studs and 1 in. from the horizontal joint.

AMERICAN GYPSUM CO – Types AG-C.

CABOT MANUFACTURING ULC – Type C

CERTAINTED GYPSUM INC – Type C

CGC INC – Type C, IP-X2, or WRC.

GEORGIA-PACIFIC GYPSUM L L C – Types 5, DAPC, TG-C.

NATIONAL GYPSUM CO – Types exP-C, FSK-C, FSW-C, FSMR-C.

PARCO BUILDING PRODUCTS L L C, DBA PARCO GYPSUM – Types PG-C.

SAINT-GOBAIN GYPROC MIDDLE EAST FZE – Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop MTECH, Gyproc FireStop ACTIVAir, Gyproc FireStop MR ACTIVAir, Gyproc FireStop MTECH ACTIVAir

THAI GYPSUM PRODUCTS PCL – Type C.

UNITED STATES GYPSUM CO – Type C, IP-X2 or WRC.

USG BORAL DRYWALL SFZ LLC – Type C

USG MEXICO S A DE C V – Type C, IP-X2 or WRC.

4A. **Gypsum Board*** – (As an alternate to Item 4) – 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Inner or base layer attached to studs with 1 in. long Type S or S-12 steel screws spaced 24 in. OC when installed vertically or 16 in. OC when installed horizontally. Outer or face layer attached to studs with 1-5/8 in. long Type S or S-12 steel screws spaced 12 in. OC when installed vertically and staggered 12 in. from base layer screws or 8 in. OC when installed horizontally and staggered 8 in. from base layer screws. Horizontal joints between inner and outer layers staggered a min of 12 in. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in. Outer layer joints covered with paper tape and joint compound. Exposed screw heads covered with joint compound. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges. When used in widths other than 48 in., gypsum panels to be installed horizontally.
CGC INC – Type AR, IP-AR, IP-X1, SCX, ULX, or WRC.

UNITED STATES GYPSUM CO – Type AR, FRX-G, IP-AR, IP-X1, SCX, ULX or WRC.

USG BORAL DRYWALL SFZ LLC – Type SCX

USG MEXICO S A DE C V – Type AR, IP-AR, IP-X1, SCX, ULX, or WRC.

4B. **Gypsum Board*** – (Not Shown) – May be used in lieu of Items 4 or 4A for the base layer – Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead bottom strips (Item 6) required behind vertical joints.
RAY-BAR ENGINEERING CORP – Type RB-LBG

4C. **Gypsum Board*** – (As an alternate to Item 4, 4A, 4B) – 5/8 in. thick. Two layers installed as described in Item 4.
NATIONAL GYPSUM CO – Type FSMR-C, FSW-C, FSK-C, exP-C.

4D. **Gypsum Board*** – (Not Shown) – May be used in lieu of Items 4 for the base layer – Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead bottom strips required behind vertical joints. To be used with Lead Bottom Strips (see Item 6B) or Lead Discs (see Item 6C).
MAYCO INDUSTRIES INC – Type X-Ray Shielded Gypsum

4E. **Gypsum Board*** – (Not Shown) – May be used in lieu of Items 4 for the base layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead bottom strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead bottom strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead bottom strips and discs to have a purity of 99.9% meeting the Federal Specification QQ-L-2010, Grade "C".
RADIATION PROTECTION PRODUCTS INC – Type RPP – Lead Lined Drywall

4F. **Gypsum Board*** – (As an alternate to Item 4) – 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Inner or base layer attached to studs with 1 in. long Type S or S-12 steel screws spaced 24 in. OC when installed vertically or 16 in. OC when installed horizontally. Outer or face layer attached to studs with 1-5/8 in. long Type S or S-12 steel screws spaced 8 in. OC when installed vertically and staggered min. 8 in. from base layer screws or 8 in. OC when installed horizontally and staggered min. 8 in. from base layer screws. Horizontal joints between inner and outer layers need not be staggered. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in. Outer layer joints covered with paper tape and joint compound. Exposed

screw heads covered with joint compound. When used in widths other than 48 in., gypsum panels to be installed horizontally.
CGC INC – Type ULUX.

UNITED STATES GYPSUM CO – Type ULUX.

4G. **Gypsum Board*** – 5/8 in. thick, 4 ft wide wallboard applied vertically in two layers. Inner or base layer attached to studs with 1 in. long Type S or S-12 steel screws spaced 24 in. OC along the edges and in the field of the boards. Outer or face layer attached to studs and "J"-shaped runners with 1-5/8 in. long Type S or S-12 steel screws spaced 12 in. along the edges and in the field of the boards, staggered from screws in inner layer. Joints between inner and outer layers staggered. Outer layer joints covered with paper or mesh tape and joint compound. Exposed screw heads covered with joint compound.

NATIONAL GYPSUM CO – exP-C, FSK, FSK-C, FSW, FSW-C, FSW-3, FSW-5, FSW-6

CERTAINTED GYPSUM INC – Type X-1

4I. **Gypsum Board*** – (As an alternate to Item 4) – For use with 1 in. Type FSW-7 gypsum board (Item 3) only. 5/8 in. thick, 4 ft wide, applied in two layers. Base layer attached vertically to studs and side "J" runners with 1 in. long Type S self-tapping steel screws spaced 16 in. OC. Face layer installed vertically to studs and side "J" runners and attached with 1-5/8 in. long Type S self-tapping steel screws spaced 12 in. OC. Face layer vertical joints staggered minimum one stud cavity from base layer vertical joints. Face layer joints covered with paper tape and two coats of joint compound. Exposed screw heads covered with two coats of joint compound.

NATIONAL GYPSUM CO – Type FSLX

5. **Batts and Blankets*** – (Optional) – (Not shown) – Mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt material bearing the UL Classification Marking as to Fire Resistance.

5A. **Fiber, Sprayed*** – As an alternate to Batts and Blankets (Item 5) – (100% Borate Formulation) – Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft³. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft³ in accordance with the application instructions supplied with the product.
Applegate GreenFiber Acquisition LLC – Insulmax and SANCTUARY for use with wet or dry application.

5B. **Fiber, Sprayed*** – As an alternate to Batts and Blankets (Item 5) – Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
NU-WOOL CO INC – Cellulose Insulation

5C. **Fiber, Sprayed*** – As an alternate to Batts and Blankets (Item 5) – Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft³.
INTERNATIONAL CELLULOSE CORP – Celbar-RL

5D. **Fiber, Sprayed*** – As an alternate to Batts and Blankets (Item 5) – Spray-applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5.79 lbs/ft³.

Applegate GreenFiber Acquisition LLC – Applegate Advanced Stabilized Cellulose Insulation

6. **Lead Batten Strips** – For Use with Item 4B – (Not Shown) – Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4A) and optional at remaining stud locations. Strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-2010, Grade "C".

6A. **Lead Discs or Tabs** – (Not Shown) – Used in lieu of or in addition to the lead batten strips (Item 6) or optional at other locations – Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-2010, Grade "C".

6B. **Lead Batten Strips** – (Not shown, for use with Item 4B) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-2010, Grades "B, C or D". Lead bottom strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations.

6C. **Lead Discs** – (Not Shown, for use with Item 4B) Max 5/8 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.9% meeting the Federal Specification QQ-L-2010, Grades "B, C or D".

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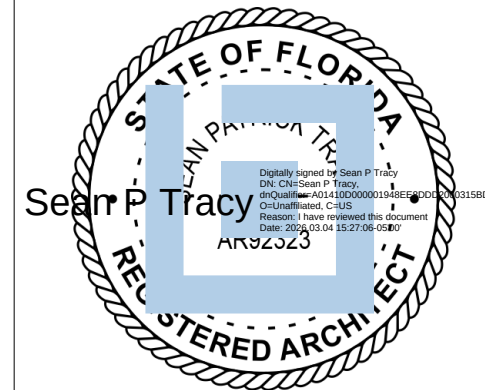
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CONSTRUCTION DOCUMENTS

ISSUE DATE
02/25/2026

REVISIONS
NO. REASON DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
SEAN TRACY
PROJECT MANAGER
BENJAMIN BOYLES
DESIGN TEAM
ORL-COMMUNITY
PROJECT NAME

COLUMBIA STORM
PROCESSING & SERVICE
CENTER - BUILDING A
SERVICE CENTER

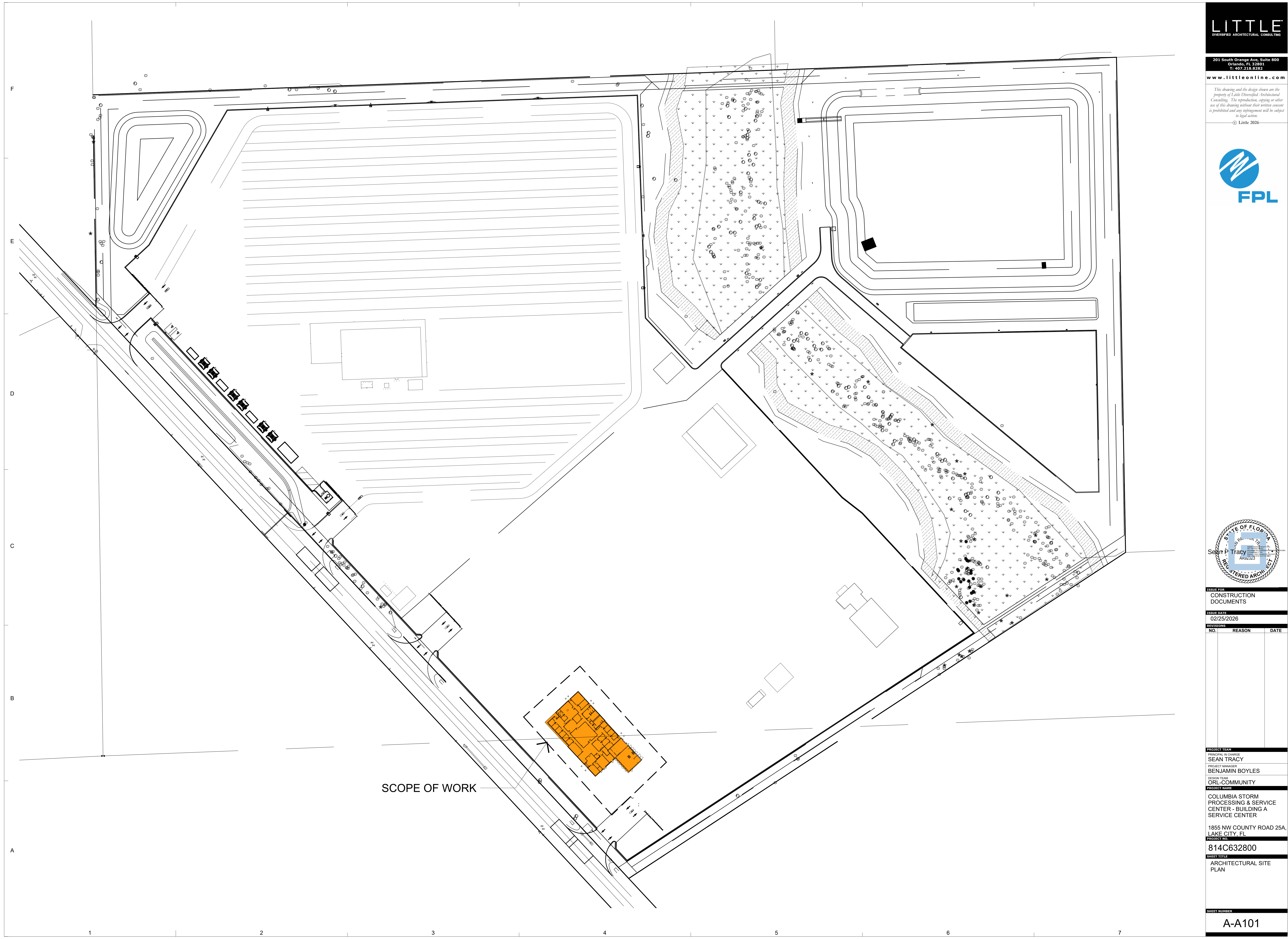
1855 NW COUNTY ROAD 25A,
LAKE CITY, FL

814C632800

SHEET TITLE
UL ASSEMBLY INFORMATION

SHEET NUMBER

A-G124



LITTLE

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FPL

Sean P. Tracy
REGISTERED ARCHITECT

ISSUE FOR

CONSTRUCTION DOCUMENTS

ISSUE DATE

02/25/2026

REVISIONS		
NO.	REASON	DATE

PROJECT TEAM

PRINCIPAL IN CHARGE
SEAN TRACY

PROJECT MANAGER
BENJAMIN BOYLES

DESIGN TEAM
ORL-COMMUNITY

PROJECT NAME
COLUMBIA STORM
PROCESSING & SERVICE
CENTER - BUILDING A
SERVICE CENTER

1855 NW COUNTY ROAD 25A,
LAKE CITY, FL

PROJECT NO.
814C632800

SHEET TITLE
ARCHITECTURAL SITE
PLAN

SHEET NUMBER
A-A101

F

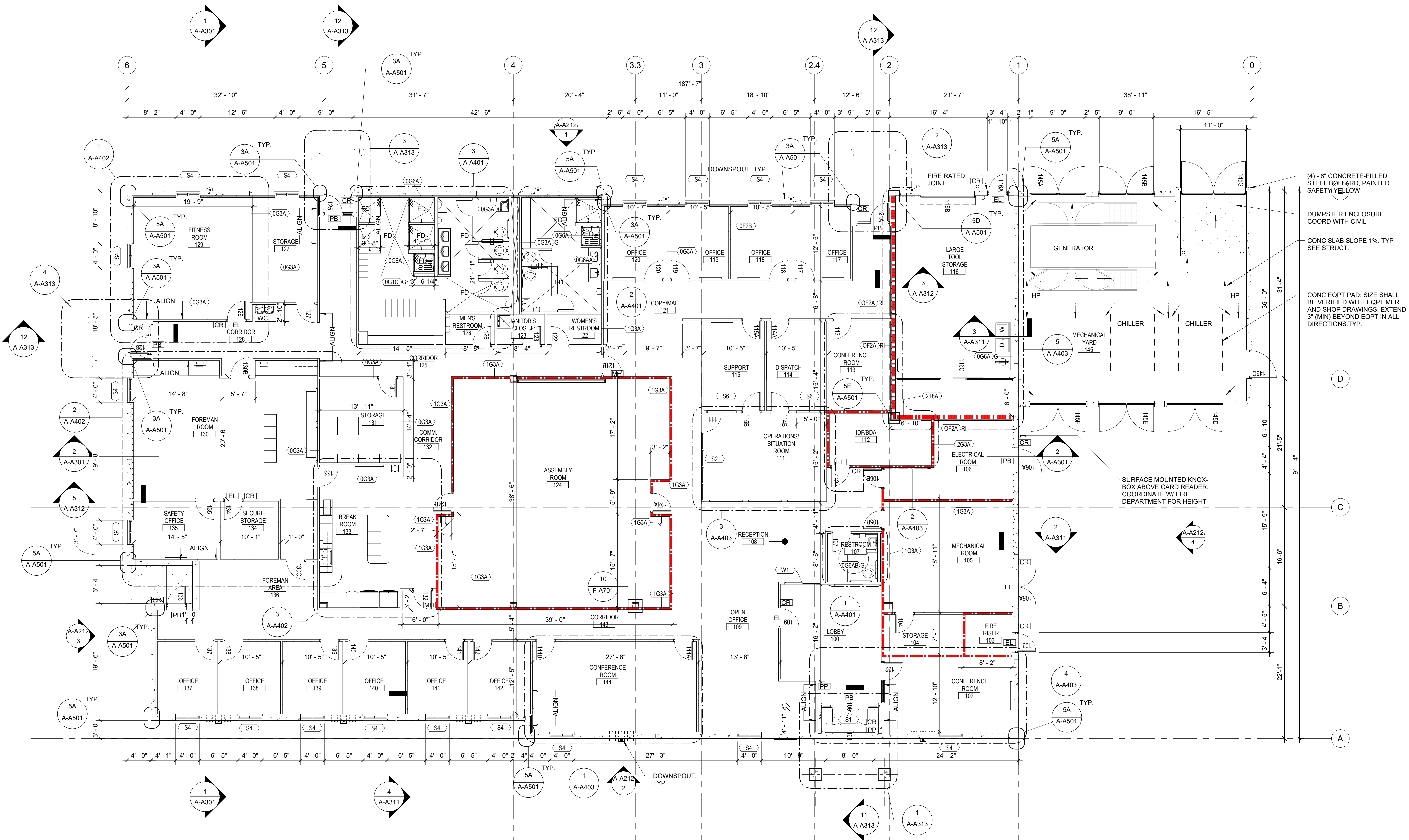
E

D

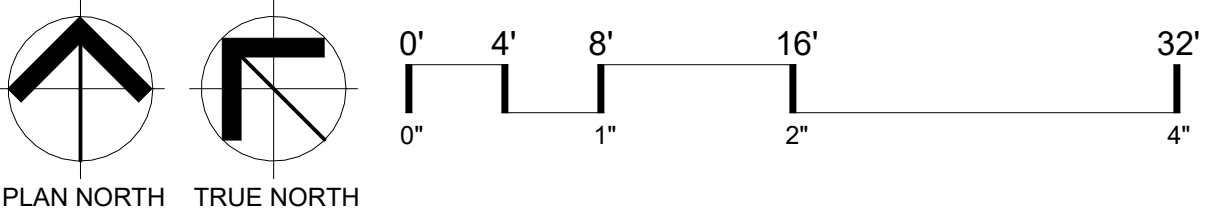
C

B

A



1 FLOOR PLAN
A-A111 1/8" = 1'-0"



RATED WALLS & PARTITIONS

FIRE BARRIER		SMOKE PARTITION	
1-HOUR		0-HOUR	
2-HOUR			
3-HOUR			

FIRE WALL		SMOKE BARRIER	
2-HOUR		1-HOUR	
3-HOUR			
4-HOUR			

ELECTRIC DOOR FUNCTIONS

CR	CARD READER	PB	PANIC BAR
DC	DOOR CONTACT	PO	POWERED OPERATOR
EL	ELECTRIC LOCK	PP	PUSH PAD OPERATOR
MH	MAGNETIC HOLDER	PTH	POWER TRANSFER HINGE
OS	OBSTRUCTION SENSOR	REX	REQUEST TO EXIT

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ISSUE DATE
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REVISIONS NO.	REASON	DATE
1	PLAN CHECK	02.25.26

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SEAN TRACY
PROJECT MANAGER
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COLUMBIA STORM PROCESSING & SERVICE CENTER - BUILDING A SERVICE CENTER
1855 NW COUNTY ROAD 25A, LAKE CITY, FL
PROJECT NO.
814C632800
SHEET TITLE
FLOOR PLAN

SHEET NUMBER
A-A111