GORDON TRUFORM® EXTRUDED ALUMINUM PROFILE

DRYWALL PROFILE
SECTION 09 70 00

PART 1 – GENERAL

1.01 SECTION INCLUDES:

A. This Section includes Wall Coverings and accessories as shown on the Architectural Drawings.
B. Related Sections include the following:
    1. Section 06 20 00 Finish Carpentry
    2. Section 06 22 00 Millwork
    3. Section 08 81 13 Decorative Glass Glazing
    4. Section 09 29 00 Gypsum Board
    5. Section 09 72 00 Wall Coverings
    6. Section 09 20 00 Plaster and Gypsum Board
    7. Section 09 22 00 Supports for Plaster and Gypsum Board
    8. Section 09 22 26 Non-Structural Metal Framing

1.02 RELATED DOCUMENTS SECTIONS:

A. Drawings and general provisions of Contract, Including General and Supplementary Conditions.
B. Division 1 Specification Section as it applies to work of this Section.
C. Finish Schedule or Finish Legend as it applies to work of this Section.

1.03 REFERENCES:

A. General:
    1. Comply with applicable requirements of the following, except where more stringent requirements are indicated by building codes.
B. American Architectural Manufacturers Association (AAMA)
    1. AAMA 2604 - Specification for Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels
C. American Society for Testing and Materials (ASTM)
    1. ASTM D2247 Standard Practice for Testing Water Resistance of Coatings in 100% Relative Humidity
    2. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials
D. National Association of Architectural Metal Manufacturers (NAAMM)
    1. Metal Finishes Manual for Architectural and Metal Products

1.04 DESIGN/PERFORMANCE REQUIREMENTS:

A. All components of Truform® Profiles shall be provided by one (1) Manufacturer to ensure single source responsibility and quality control.

B. All components of Truform® Drywall Profiles that are powder coated shall comply with AAMA 2604.
C. All components of Truform® Drywall Profiles shall comply with ASTM D2247.
D. All materials are Class A rated per ASTM E84.

1.05 SUBMITTALS:

A. Submission should be made within ten (10) working days of the General Contract Award to avoid project delays.
B. Product Data: Submit Manufacturer's:
    1. Product Specifications
    2. Detail Drawings
    3. Installation Instructions
C. Samples
    1. Submit samples consisting of a three (3) inch length of each type of Truform® Profile and finish as specified along with associated accessories.
D. Sustainability:
    1. Materials and Resources
        a. Building Life-Cycle Impact Reduction
            i. LCAs for aluminum are available.
                a) Aluminum - http://www.gordon-inc.com/literature/pdf/cisca_background_report_aluminum_2020-04-24.pdf
        b. Building Product Disclosure and Optimization - Environmental Product Declarations
            i. Industry-average EPDs for aluminum are available.
                a) Aluminum - http://www.gordon-inc.com/literature/pdf/101.1_cisca_industry_wide_epd_aluminum_specialty_products.pdf
        c. Building Product Disclosure and Optimization - Sourcing of Raw Materials
            i. Regional Materials – Raw materials can be purchased from Vendors within 100 miles of the project location and fabrication of all materials in Bossier City, LA, U.S.A.
            ii. Gordon, Inc.'s mission is to locate recycled materials that are not only of high recycled content, but extracted, produced, or extruded in the U.S.A.
        d. Building Product Disclosure and Optimization - Material Ingredients
            i. Full disclosure of material recycled content is available.
        e. Construction and Demolition Waste Management
            i. Most products shipped from Gordon, Inc. are engineered to fit, which reduces the need for field cutting during installation.
                a) Fewer indoor air quality problems.
                b) Less scrap and debris – cleaner work environment.
                c) Less noise pollution caused by field cutting of materials.

d) Maintain comfort and well-being of workers and occupants.

2. Indoor Environmental Quality
    a. Low-Emitting Materials
        i. Gordon, Inc.'s State-of-the-art Powder Coating line produces the highest quality powder coated surfaces while also contributing to our sustainability drive.
            a) No heavy Metals used in pre-treatment.
            b) Processed water is fully compliant for introducing into waste stream.
            c) Extremely efficient use of powder coating through reclamation system reducing powder wastage.
            d) Factory finished products shipped from Gordon, Inc. eliminates field painting.
                1. Prevents odorous and irritating air contaminants.
                2. Introduces no hazardous waste.
                3. Contributes no VOCs.
                4. Maintains comfort and well-being of workers and occupants.
    b. Interior Lighting
        i. Gordon, Inc.'s AAMA 2604 powder coating finishes can provide the proper light reflectance to improve illumination in the space and reduce lumen output requirements.
3. Innovation
    a. Innovation
        i. Gordon, Inc. is a strategic partner with the design community and continuously finds ways to design products that can aid in improving environmental performance.
    b. LEED Accredited Professional
        i. Gordon, Inc. has LEED Accredited Professionals on staff to assist with your sustainability requirements.
4. Detailed explanation of LEED Credits and Gordon, Inc.'s Contribution can be located at http://www.gordon-inc.com/company/sustainability/.

E. Certification: Submit certification from Manufacturer of accessory attesting products comply with specified requirements, including finish, as specified.

F. Qualification Data:
    1. Firms specified in "Quality Assurance" Article must demonstrate their capabilities and experience by including lists of completed projects names and addresses, names and addresses of Architects and owners, and other information specified.

1.06 <u>QUALITY ASSURANCE:</u>

A. Source Limitations
    1. All components of Truform® Profiles shall be provided by a single Manufacturer to ensure responsibility and quality control.

B. Manufacturer Qualifications:
    1. Manufacturer must have manufacturing and delivery capacity required for the project and shall have successfully completed at least ten (10) projects within

the past five (5) years, utilizing systems, materials, and techniques as herein specified.
2. Manufacturer must own and operate its own manufacturing facilities for all metal components. “Stick Built” or “Kit of Parts Systems” consisting of components from a variety of Manufacturers/Fabricators will not be considered or accepted.
3. Manufacturer must own and operate its own painting and finishing facility to assure single source responsibility and quality control.

C. Installer Qualifications:
1. Installers shall have a minimum of five (5) years of experience installing systems of similar type and scope as those specified in this section.

1.07 PRODUCT DELIVERY, STORAGE, AND HANDLING:

A. All materials shall be protected during fabrication, shipment, and installation to prevent damage to the finished work from other trades.
B. To avoid lasting deformation of the Truform® Profiles components when exposed to temperature and humidity extremes, store this material at or near room temperature. Allow a minimum of 48 hours for the product to adjust to internal room temperature and humidity conditions before installing the Truform® Profiles.
C. Store Truform® Profiles inside a well-ventilated area, away from uncured concrete and masonry, and protected from the weather, moisture, soiling, abrasion, extreme temperatures, and humidity.
D. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommend by Manufacturer for optimum results. Do not install products under environmental conditions outside Manufacturer’s recommendations.
E. Exercise care in loading, unloading, storing, and installing units to preclude bending, warping, twisting and other surface damage.

1.08 WARRANTY:

A. Standard Warranty:
1. Furnish Manufacturer’s Standard Warranty of one (1) year for workmanship and for finish against defects in materials and/or workmanship.

B. Extended Workmanship Warranty:
1. Furnish Manufacturer’s Standard Workmanship Warranty (must be requested at time of quotation), which may be extended up to a maximum of twenty (20) years from date of material shipment, when installed in accordance with Manufacturer’s recommendations.

C. Extended Finish Warranty:
1. Furnish Manufacturer’s Standard Finish Warranty (must be requested at time of quotation), which may be extended up to a maximum of twenty (20) years from date of material shipment, when installed in accordance with Manufacturer’s recommendations.

1.09 SUBSTITUTIONS

A. No substitutions are permitted for the Truform® Profiles.
B. Requests for substitutions will be considered in accordance with the provisions of Section 01 60 00. Companies desiring to submit a proposal shall submit all descriptive

information of the system proposed including photographs and Shop Drawings of at least ten (10) projects within the past five (5) years, utilizing systems, materials and techniques as herein specified.

PART 2 – PRODUCTS

2.01 MANUFACTURERS:

A. Basis-of-Design: Subject to compliance with requirements, provide Truform® Profiles manufactured by Gordon, Inc. For all inquiries contact:

Gordon, Inc.
5023 Hazel Jones Road
Bossier City, LA 71111
(800) 747-8954
www.Truformprofiles.com

B. The listed Manufacturer shall not be construed as closing specifications to other prospective Manufacturers, but rather as establishing a level of quality in a metal system. Other systems may be submitted for approval, as provided for in the specifications at least ten (10) working days prior to submission of bids. Companies desiring to submit a proposal shall submit all descriptive information of the system proposed including photographs and Shop Drawings of at least ten (10) projects within the past five (5) years, utilizing systems, materials, and techniques as herein specified.

2.02 MATERIALS:

A. Provide metals free from surface blemishes where exposed to view in finished Truform® Profiles. Surfaces exhibiting pitting, seam marks, roller marks, stains, discolorations, or other imperfections on finished Truform® Profiles are not acceptable. All metal shall be of the highest commercial grade available.

B. Materials:
   1. Aluminum extrusions : 6063-T5 or T6 temper alloy.

2.03 FABRICATION

A. The following Truform® Trims are Reveals for use with gypsum wallboard:
   1. Drywall Reveal Z (DRZ) is a vertical or horizontal reveal used to trim around doors and windows or against dissimilar materials.
   2. Drywall Reveal F (DRF) is a vertical or horizontal reveal used to trim around doors and windows or against dissimilar materials.
   3. Drywall Reveal F Ceiling (DRFC) is a vertical or horizontal reveal used to transition from wall to ceiling or wall to wall.
   4. Drywall Reveal (DR) is a vertical or horizontal reveal used to provide relief or breaks in long runs of drywall.
   5. Drywall Reveal V (DRV) is a vertical or horizontal reveal used to develop a chiseled stone block effect.

B. The following Truform® Trims are Terminations for use with gypsum wallboard:

1. Drywall Reveal L (DRL) is an edge trim used as a termination in multi-layer drywall applications.
2. Drywall Trim End Cap (DTEC) is a vertical or horizontal end cap used to terminate the end of a wall.
3. Drywall Trim End Cap Reveal (DTECR) is a vertical or horizontal end cap used to terminate the end of a wall and create a reveal.
4. Drywall Knife Edge Termination (DKET) is an edge trim used as a termination in multi-layer drywall applications.
5. Drywall Bullnose End Cap (DBEC) is a vertical or horizontal end cap used to terminate the end of a wall.

C. The following Truform® Trims are Corners for use with gypsum wallboard:
   1. High Strength Corner Trim (HSCT) is used to create a high strength corner.
   2. Drywall Stepped Corner (DSC) is used to create a reveal on an outside corner.
   3. Drywall Knife Edge Corner (DKEC) can be used vertically or horizontally for crisp and exact angles.
   4. Drywall Bullnose Corner (DBC) is used to create vertical or horizontal radiused outside corners.
   5. Drywall Cove Inside Corner (DCIC) is a trim used to create vertical or horizontal coved inside corners.

D. The following Truform® Trims are Base Trim Profiles for use with gypsum wallboard:
   1. Drywall Reveal Base (DRB) is used at the bottom of a wall to create a durable base.
   2. Flush Drywall Reveal Base (FDRB) is used at the bottom of a wall to create a durable base with a reveal between the base and drywall surface.
   3. Flush Drywall Base (FDB) is used at the bottom of a wall to create a durable base.

E. The following Truform® Trims are Hanging Profiles for use with gypsum wallboard:
   1. Drywall Reveal Hanging Wall (DRHW) is used to create a reveal and provide support for metal hanger.
   2. Drywall Hanging Corner (DHC) is used in wall to ceiling corners to support metal hanger.
   3. Drywall Hanging Wall (DHW) is used in midwall applications with metal hanger.
   4. Drywall Hanging Insert (DHI) for use with DHW or DHC.

F. The following Truform® Trims are Projection Profiles for use with gypsum wallboard:
   1. Drywall Protection Trim Edge (DPTE) is used as a termination in multi-layer drywall applications and to provide a projection edge.
   2. Drywall Projection Trim Reveal (DPTR) is a vertical or horizontal reveal used to provide relief or breaks in large runs of drywall and create a projection feature.
   3. Horizontal or vertical Drywall Projection Trim Corner (DPTC) can be used horizontally or vertically, which also creates a projection feature.
   4. Drywall Projection Trim Termination (DPTT) is a horizontal or vertical termination used to create a midwall projection.

5. Drywall Projection Trim Midwall (DPTM) is a vertical or horizontal projection trim used in midwall or ceiling applications.

G. The following are Wallcovering Profiles for use with gypsum wallboard:
    1. Wallcovering Edge Trim (WCET) is used at base, wall, or ceiling termination for wallcovering.
    2. Wallcovering Midwall (WCM) is used in midwall or ceiling application for wallcovering.
    3. Wallcovering Outside Corner (WCOC) is used at outside corners with wallcovering.
    4. Wallcovering Tuck (WCT) is used to tuck fabric and seal it with welt insert at midwall.
    5. Wallcovering Tuck Corner (WCTC) is used to tuck fabric at outside corner.

H. The following are Acoustical Trim Profiles for use with gypsum wallboard:
    1. Drywall Acoustical Straight Transition (DAST) is used for transition from drywall to suspended ceiling.
    2. Drywall Acoustical Inside Corner (DAIC) is used for transition from drywall to suspended ceiling at inside corner.
    3. Drywall Reveal Acoustical Ceiling (DRAC) creates a reveal when used as a transition between drywall and acoustical ceiling.
    4. Acoustical Reveal Wall Angle (ARWA) creates a reveal at an acoustical ceiling to wall application.

I. The following are Expansion Joint Profiles for use with gypsum wallboard:
    1. Drywall Ceiling Joint is a taped-in profile used to create 1” to 2” expansion joint in ceiling applications.
    2. Perimeter Ceiling Joint is a taped-in profile used to create 1” to 2” expansion joint between wall and ceiling perimeter.
    3. Acoustical Ceiling Joint creates 1” to 2” expansion joint between main tee sections.

2.04 <u>FINISHES:</u>

A. Comply with the National Association of Architectural Metal Manufacturers (NAAMM) “Metal Finishes Manual for Architectural and Metal Products” for recommendations relative to applying and designating finishes.

B. All material shall be in a finish chosen from one of the following options:
    1. Field Paintable
    2. Factory Anodized
        a. Standard satin clear anodized.
        b. Custom color anodized.
    3. Factory applied Powder Coating to match Standard Colors or Custom Color and gloss as required.
        a. Factory finish with a 5-stage pretreatment with dried-in-place conversion coating followed by:
            i. AAMA 2604, super durable compliant powder coating, with Antimicrobial Properties, which provide up to 99.9999% anti-microbial efficacy.

PART 3 – EXECUTION

3.01 EXAMINATION:

A. Examination of Surfaces: Installer must examine conditions under which work is to be performed and must notify Contractor in writing of unsatisfactory conditions.
B. Verify that field measurements and block-out dimensions are as shown on Shop Drawings.

3.02 PREPARATION:

A. Clean surfaces thoroughly prior to installation.
B. Prepare surfaces using the methods recommended by the Manufacturer to achieve the best result for the project conditions.

3.03 INSTALLATION:

A. Truform® Profiles shall be inspected before installation to be free from dents, scratches, and other defects.
B. Install Truform® Profiles in accordance with Manufacturer's written Installation Instructions and Details.
C. Space Enclosure: Do not install any work until space is enclosed and weatherproofed, wet-work in space is completed and nominally dry, work above ceilings is complete, and temperature and humidity shall be continuously maintained at values near those of final occupancy.

3.04 CLEANING:

A. Follow Manufacturer's cleaning instructions for specified finish.

3.05 PROTECTION:

A. Procedures: Advise the Contractor of procedures required to protect the finished work from damage during the remainder of the construction period.

END OF SECTION