

November 30, 2016

Attn: Kendra Spergel
Development Planner
The City of Grove City, Ohio
4035 Broadway
Grove City, Ohio 43123
614.277.3000

Regarding: Columbus Jack
Northeast corner of Gantz Road and Southpark Place
Grove City, Ohio

Control number: #201611070079

1. The proposed building height will require a variance be approved by the Board of Zoning appeals; however, staff would be supportive of this variance. Staff strongly recommends additional details be added to the proposed tower to integrate the feature into the architecture of the building.

RESPONSE: The updated elevations are attached to this submittal. Glazing has been added to allow natural lighting into the high-bay area. A paint pattern has also been added to the high bay area to tie into the building design. Both the windows and painting scheme are in a horizontal pattern to reduce the vertical appearance of the tower. Similar building materials are used were possible. Were required insulated metal panels will be used to provide a similar appearance to the smooth faced precast panels. The high bay area is recessed from the building façade on the east, south and west side to reduce the scale and height. The west side of the high bay is +- 250' beyond the west elevation of the building to greatly reduce the scale and visibility from the west.

2. The proposed route for the sanitary sewer service will cut through the existing mound and we would lose some of the mature pines on the corner of Gantz Road and Southpark Place. Staff recommends that the sanitary sewer service be re-routed around the mound.

RESPONSE: Refer to Structurepoint response letter.

3. Details for the proposed fence and gate should be submitted. All fencing should be black, decorative fencing.

RESPONSE: The fence has been removed from the scope of work. The gate is still included. Refer to gate cut sheets to verify decorative design intent.

4. Details (cut sheets) of proposed site lighting fixtures should be submitted.

RESPONSE: An additional sheet has been added after the site plan photometric plan with the light fixture cut sheets.

5. Elevations for the dumpster enclosure should be included to show how it will be screened. Please note that all service structures must be screened with supplemental landscaping per Section 1136.08.

RESPONSE: Sheet EL-2 was added to the package to show dumpster enclosures. Screening can be reviewed in the landscape architecture plan.

6. Please be advised that signage will not be approved as part of the development plan and will be approved administratively by the Building Division. Any variances from the requirements of Chapter 1145 will be required to be approved by the Board of Zoning Appeals.

RESPONSE: Signage is only shown for intent/coordination and a signage permit will be applied for at a later date. There are currently no variances planned for signage.

All additional comments are addressed in Structurepoint response letter.

Please feel free to contact me with any comments or questions regarding this project. Thank you for your time.

Sincerely,



Rick C. White, AIA, LEED AP BD+C

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AMERICAN
STRUCTUREPOINT
INC.

Kendra Spergel
Development Planner
City of Grove City, OH
4035 Broadway
Grove City, Ohio 43123

RE: Development Plan – Control #201611070079

Dear Ms. Spergel:

We have reviewed your administrative letter for the Columbus Jack Project located at the northeast corner of Gantz Road and Southpark Place in Grove City, Ohio; referenced as the above listed control number. Please see below responses to your comments/recommendations as noted:

1. The proposed building height will require a variance be approved by the Board of Zoning appeals; however, staff would be supportive of this variance. Staff strongly recommends additional details be added to the proposed tower to integrate the feature into the architecture of the building.
 - a. **See Architecture Response Letter**
2. The proposed route for the sanitary sewer service will cut through the existing mound and we would lose some of the mature pines on the corner of Gantz Road and Southpark Place. Staff recommends that the sanitary sewer service be re-routed around the mound.
 - a. **Sanitary sewer service lateral has been re-routed to avoid the landscape mound.**
3. Details for the proposed fence and gate should be submitted. All fencing should be black, decorative fencing.
 - a. **See Architecture Response Letter**
4. Details (cut sheets) of proposed site lighting fixtures should be submitted.
 - a. **See Architecture Response Letter**
5. Elevations for the dumpster enclosure should be included to show how it will be screened. Please note that all service structures must be screened with supplemental landscaping per Section 1136.08.
 - a. **See Architecture Response Letter**
6. Please be advised that signage will not be approved as part of the development plan and will be approved administratively by the Building Division. Any variances from the requirements of Chapter 1145 will be required to be approved by the Board of Zoning Appeals.
 - a. **See Architecture Response Letter**

7. Any proposed monument sign and the proposed flagpoles are to be set in landscaped areas. These landscaped areas are to be a minimum two feet larger than the foundation of the free standing signs or flagpoles on all sides and are to be landscaped on all sides with permanent shrubs, groundcover or other ornamental plantings. The average initial height of the plantings is to be 24-inch minimum.
 - a. **Proposed monument sign location has been identified on the plans. Landscape Areas have been added to the proposed monument sign and flagpole area as required.**
8. A Tree Inventory of all trees that are a dbh of six (6) inches or more is required per Section 1136.10. The Tree Preservation Plan needs to include how the trees will be protected during the construction process including but not limited to the construction of the building and parking lot, fencing installation, and sign installation. Mark on the plans if the trees are going to be protected during construction or removed as well.
 - a. **Tree Preservation Plan has been incorporated into Sheet C101. A tree protection detail, fence, and signage have been include to meet the requirements of Section 1136.10.**
9. Staff recommends a landscape peninsula be added to the eastern-most parking row to ensure that the future parking expansion will comply with the requirements of chapter 1136.
 - a. **The eastern parking lot has been revised due to the 25% rule noted in comment #12. Parking lot revisions should now comply with chapter 1136.**
10. When tying in to the sanitary manhole at the northeast corner of Gantz Road and Southpark Place, it will be required that the service is an outside drop that enters the manhole at the invert of the structure. Note that the structure is 14.24 feet deep.
 - a. **Note added on Sheet C500 (Utility Plan) for outside drop.**
11. No detail for curbing is provided on sheet C003. The parking lot should have 18-inch straight curbing around the perimeter per Grove City standard drawing C-GC-58.
 - a. **Plans revised accordingly on Sheet C300 (Site Plan) to identify C-GC-58 straight curb.**
12. The pond must meet all requirements of the Grove City Stormwater Design Manual. The normal pool elevation is shown on sheet C200 as 768.00 feet; the bottom pond elevation is also shown as 768.00 feet. Ensure that the pond meets the requirement of 10 feet deep for a minimum of 25% of the pond area. The normal pool elevation is also required to be no more than 5 feet below the adjacent roadway and FFE of adjacent structures. As proposed the normal pool elevation is 16 feet below the top of bank and 21 feet below FFE of the structure.
 - a. **The normal pool elevation was incorrectly labeled. The proposed normal pool elevation is 778.00. The basin has been modified to meet the 25% rule as indicated above. This has modified the parking lot layout as provided. The normal pool elevation is now no more than 5 feet below the adjacent viewing area (50' offset from normal pool elevation). However, the normal pool does not need to meet the 5 foot requirement as the structure is not within 50 feet of the normal pool elevation as specified in the Grove City Stormwater Design Manual Section 6.4.2 (d) and is not considered a residential subdivision as additionally described in 6.4.2 (d)(1).**
13. Applicable Grove City standard drawing numbers should be listed on the cover sheet.
 - a. **Standard Drawing numbers have been added to Sheet C001 (Title Sheet).**
14. The Development Plan should be signed and stamped by a registered professional engineer.

American Structurepoint, Inc.

- a. **Will comply.**
- 15. Provide proposed electric and gas layout on the development plan.
 - a. **Electric and Gas layout has been provided on Sheet C500 (Utility Plan).**
- 16. Provide flood routing details at the retention basin.
 - a. **Flood Routing has been added to Sheet C400 (Grading Plan)**
- 17. Use Grove City Standard Drawings C-GC-75A for Stabilized Construction Entrance, C-GC-74 for Sediment Fence Detail, and C-GC-71 for The Dandy Bag.
 - a. **Erosion Control Plan Sheets C200 & C201 have been revised to incorporate the standard drawings as required.**

Additional Comment provided by Jackson Township Fire Department:

- 18. PIV sectional valves need to be added to the fire loop.
 - a. **PIV valves have been added to Sheet C500 (Utility Plan).**

A revised twenty (20) completely folded copies, along with this response letter, will be submitted to you for your review and approval. If you have any questions or need additional information, please call me at (614) 487-8770 or email bmiller@structurepoint.com.

Sincerely,



Benjamin J. Miller, PE
Sr. Project Manager
American Structurepoint, Inc.

City of Grove City – Planning & Development Division

ATTN: Kendra Spergel
Development Planner
4035 Broadway
Grove City, Ohio 43123

RE: Columbus Jack Response #1 Application

Control Number: #201611070079

PID: 040-008992-00

INDEX

8X11 Forms and Information

- Architecture Response Letter
- Civil Response Letter
- Grove City Administrative Review Letter
- Index – Narrative
- Ornamental Fence Information
- Drainage Report
- Insulated Metal Panel Information

24X36" Drawings

- Landscape Architecture Plans
- EL-1 Building Elevation
- EL-2 Dumpster Enclosure
- Columbus Jack Development Plans
- Photometric With Lighting Cut Sheets

PROJECTIVE NARRATIVE

Company History

In 2001 Columbus Jack was acquired by Quality Products, Inc., a company with extensive experience in manufacturing of hydraulic machinery. In 2006, Regent Manufacturing was purchased and operations were relocated and consolidated with Columbus Jack in Columbus, Ohio. Columbus Jack was founded in the early 1940s with most of its production going to the U.S. military to meet the demands of the Korean conflict. The need to consistently comply with the tough military standards created a culture of product quality that has remained with the company to this day.

Regent has served the international aviation industry since 1929. Their customer list has included most of the world's airlines, airframe and aerospace manufacturing companies, as well as a number of military and government clients. Regent has participated in almost every major domestic and international aircraft and aerospace program since the beginning of World War II.

Today Columbus Jack/Regent is the largest supplier of hydraulic jacks to the U.S. Defense Department. Their line of ground support equipment has grown to service all kinds of commercial, business and civilian aircraft as well. The company's products are hard at work at airports and government installations around the world.

Metes & Bounds Legal Description

Situated in the State of Ohio, County of Franklin and City of Grove City:

Being known as Lot Number Three (3) of the Resubdivision of a Part of Lot 13 and a Part of Lot 14 of SOUTHPARK, as the same is numbered and delineated upon the recorded plat thereof, of record in Plat Book 71, Page 31 and 32 and in Plat Book 82, pages 3 and 4, Recorder's Office, Franklin County, Ohio.

Containing 12.278 acres, more or less.

Parcel ID: 040-008992

Known As: 0 Southpark Place, Grove City, Ohio

Project Description

New build facility for Columbus Jack/Regent (CJ) manufacturer of ground support equipment for commercial and government airline maintenance operations. The facility will represent the future of the business, incorporating existing manufacturing processes into an environment that utilizes state of the art technology and building methods to add long term value to the investment.

CJ's manufacturing operations include: machining, welding, sand blasting, painting, hi-bay and low-bay assembly and testing, tooling inspection, parts warehouse, material storage, staging areas, dock and truck lot area, maintenance support, manufacturing, shipping, and management offices, and automobile parking. Within the facility there will be a separate area for QPI MultiPress machining manufacturing operations; approximately 10,000 SF. Future growth will be incorporated in the facility planning. The estimated area for the enclosed facility, not including future growth, is approximately 75,000 SF.

The project is located at the northeast corner of the intersection of Gantz Road and Southpark Place. The property is a 12.28 acre undeveloped piece of land within a developed area. The parcel is zoned IND-1 – Light Industry.

Site improvements to include construction of a 75,000 SF industrial warehouse facility with associated access drives (passenger vehicles & semi-trailer), parking lot, and loading dock. Stormwater management for the development will be incorporated into a wet detention basin with associated storm sewers, outlet control structure, and vegetated areas with landscaping features.

Please feel free to contact me with any comments or questions regarding this project. Thank you for your time.

Sincerely,

A handwritten signature in blue ink that reads 'Rick C. White'.

Rick C. White, AIA, LEED AP BD+C

R:\Projects\Columbus Jack\CJR001 - Industrial Headquarters\8-Admin\Development Plan Narrative.docx

FORTRESS GATE ORNAMENTAL

BY TYMETAL CORP.

Fortress Ornamental Gates are adaptable to nearly any type of Tymetal gate configuration and are the perfect choice for closures that need security with an attractive design and finish. Some options of gate choices available include: heavy duty, structural and box frame slide gates, swing gates and vertical lift gates to name a few.

The frame and pickets are fabricated from aluminum alloy extrusions with primary members on the top and bottom, as specified per gate type. Pickets are 1" x 1" square aluminum and can be internal or external, flat top or smashed point and can be arranged in a convex or concave configuration.

Picket spacing is available on 2"-5" centers, or other spacing upon request. Finishes are available in mill aluminum or baked on powder coating in standard or custom colors.

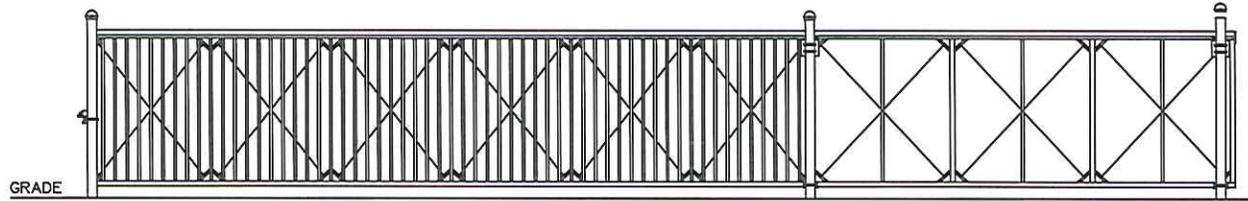
NOTE: Industry safety standards require openings on automated slide gates to be no greater than 2.25" up to 72" height above grade. Tymetal Corp. will supply screening (black plastic fabric) to be attached to the gates that have spacing exceeding the 2.25" maximum.



Tymetal Corp.

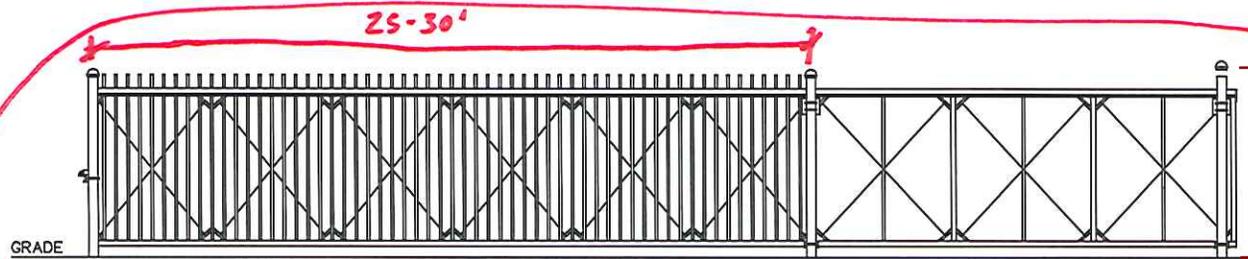
(800) 328-GATE (4283) • www.tymetal.com
Greenwich, NY • Pearland, TX

We Close  Openings



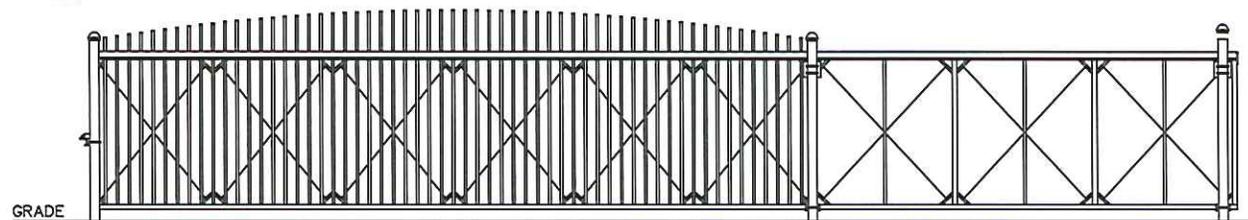
INTERNAL PICKET

Scale: None



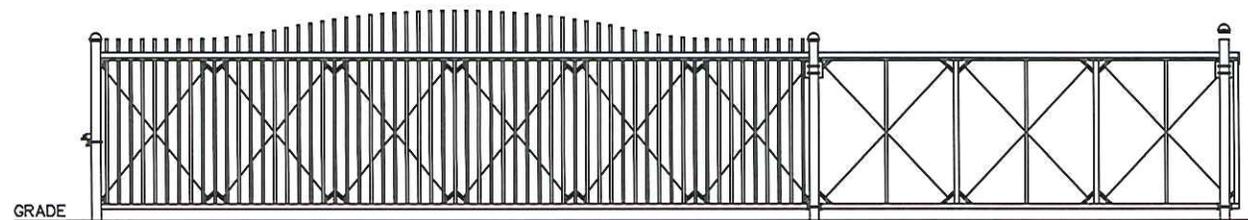
EXTENDED PICKET

Scale: None



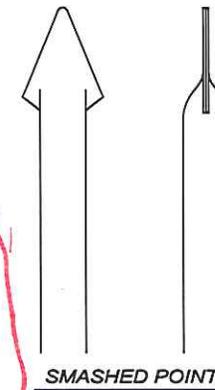
CONVEX PICKET

Scale: None

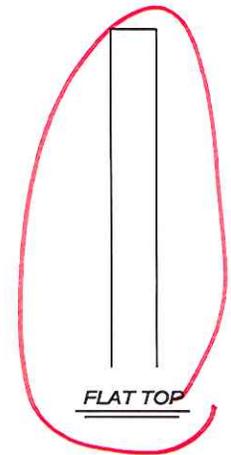


COMPOUND PICKET

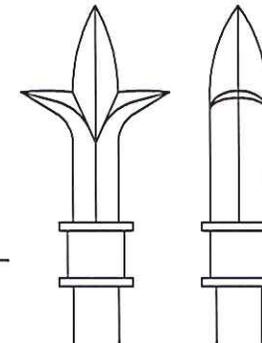
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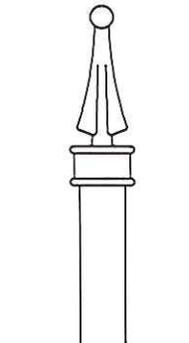
SMASHED POINT



FLAT TOP



3 POINT FINIAL



BALL TOP FINIAL

TYPICAL PICKET STYLES

NOTES:

1. ALL ORNAMENTAL PICKET STYLES SHOWN ARE AVAILABLE ON ANY TYMETAL GATE TYPE.
2. THE STYLES SHOWN ARE TYPICAL. TYMETAL CAN MANUFACTURE ALL GATE TYPES TO MATCH VIRTUALLY ANY COMMERCIALLY PRODUCED FENCE. IN ADDITION, TYMETAL CAN MANUFACTURE CUSTOM DESIGNS BASED ON CUSTOMER SPECIFICATIONS.
3. INDUSTRY SAFETY STANDARDS REQUIRE OPENINGS ON AUTOMATED SLIDE GATES TO BE NO GREATER THAN 2.25" UP TO 72" HEIGHT ABOVE GRADE. TYMETAL CORP. WILL SUPPLY SCREENING (BLACK PLASTIC FABRIC) TO BE ATTACHED TO GATES THAT HAVE PICKET SPACING EXCEEDING THE 2.25" MAXIMUM.



**TYMETAL
CORP.**
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GREENWICH, N.Y. 12834
PH: (800) 328-4283 - FX: (518) 692-9404

ORNAMENTAL OPTIONS

Designing for the Future



ARCHITECTURAL Design Solutions





PROJECT: Syracuse High School LOCATION: Syracuse, UT PANEL PROFILE: 7.2 Panel & Artisan® Series COLOR: Silver Metallic & Black Metallic

Product Application Chart & Index

	ROOF SYSTEM	FACADE SYSTEM	EXTERIOR WALL	INTERIOR WALL LINER	CANOPY ROOF SYSTEM	SOFFIT SYSTEM	CURVED ROOFS	EQUIPMENT SCREENS	FRAMING SYSTEMS	PAGE NUMBER
VERTICAL LEG SSR	■									8
TRAPEZOIDAL SSR	■									10
CURVED BATTENLOK						■				9
INSULATED ROOF PANELS	■									12
INSULATED WALL PANELS			■							13
7.2 PANEL	■	■	■				■			24
CRAFTSMAN™	■	■				■				18
FW-120		■	■		■		■			19
IL				■						20
SHADOWRIB™		■	■				■			19
NUWALL®		■	■				■			19
DESIGNER® SERIES		■	■				■			18
MASTERLINE 16			■	■			■			19
QWIKLOK™				■	■					21
CLASSIC®				■	■					21
ARTISAN®			■		■					22
FLEXLOC®	■				■	■	■			22
LITEFRAME®								■		26
NUROOF®								■		28

MBCI has earned its reputation as one of the nation's leading suppliers of preformed metal for roofs, walls, mansards and soffits by providing the highest quality building components and service in the industry.

This Product Application Chart is for general reference only. Not all panels, gauges and widths should be used for these applications. Please call MBCI for the best product for your specific application.

Descriptions and specifications contained herein were in effect at the time this publication was approved for printing. In a continuing effort to refine and improve products, MBCI reserves the right to discontinue products at any time or change specifications and/or designs without incurring obligation. To ensure you have the latest information available, please inquire or visit our website at www.mbcicom. Application details are for illustration purposes only and may not be appropriate for all environmental conditions, building designs or panel profiles. Projects should be designed to conform to applicable building codes, regulations and accepted industry practices. If there is a conflict between this manual and project erection drawings, the erection drawings will take precedence. MBCI's insulated metal panel product line is manufactured by Metl-Span.

STIMULATE YOUR IMAGINATION

WITH MBCI'S BROAD SPECTRUM OF PANEL OFFERINGS, DESIGN OPPORTUNITIES ARE EXPONENTIAL. PRODUCT OFFERINGS RANGING FROM SINGLE SKIN ROOF AND WALL PANELS TO INSULATED METAL PANELS, SOLUTIONS FOR NEW AND RETROFIT CONSTRUCTION, COATINGS IN A BREADTH OF COLORS AND APPLIED FINISHES PROVIDE YOU INSPIRATION TO **DESIGN YOUR MASTERPIECE.**

THE MBCI ADVANTAGE

Since 1976, MBCI has been dedicated to providing our customers with the highest quality products and excellent service from our skilled professionals. MBCI is the industry-leading manufacturer of metal roof and wall systems, supplying products to the architectural, institutional, commercial, industrial, residential and agricultural markets. MBCI has facilities positioned strategically throughout the United States to best serve our customers.

*The industry-leading manufacturer
of metal roof and wall systems.*

STIMULATE YOUR
IMAGINATION



PROJECT: Fujisawa Healthcare Inc. **LOCATION:** Grand Island, NY **PANEL PROFILE:** CF Architectural/Horizontal **COLOR:** Silver Metallic

Insulated Metal Panels

MBCI's insulated metal panels, manufactured by Metl-Span, deliver both attractiveness and energy-efficiency to a building's design. As building and energy codes become increasingly more stringent, insulated panels are particularly advantageous in achieving sustainable design and code compliance.

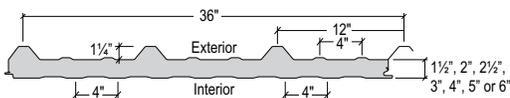
Insulated metal panels (IMPs) present many advantages for building owners, designers and contractors, including improved thermal performance, excellent insulating capabilities, reduced building operational expenses, accelerated construction schedules, earlier business starts and much more. Available in a wide variety of panel profiles, colors and applied finishes, IMPs are ideal for architectural, commercial, industrial and institutional applications.



PROJECT: Armstrong Way LOCATION: Plymouth, MA PANEL PROFILE: Striated COLOR: Bright Silver

LS-36™

The versatility of the LS-36™ panel offers a multitude of design options and can be utilized for roof or wall applications. The standard exterior skin is smooth but can be embossed if requested, while the interior skin is roll-formed with our standard stucco-embossed Mesa profile.

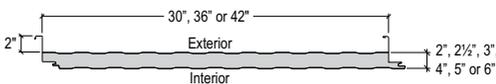
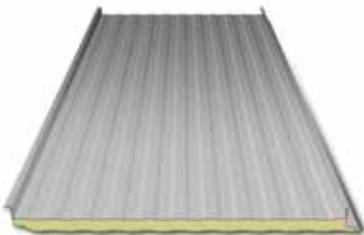


Product Specifications

- **Applications:** Roof and Wall
- **Gauges:** Exterior: 26, 24, 22 | Interior: 26, 24, 22
- **Width:** 36"
- **Thicknesses:** 1½", 2", 2½", 3", 4", 5", 6"
- **Length:** Recommended maximum of 50'
- **Panel Attachment:** Exposed Fastening System
- **Standard Coatings:** Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic, Applied Finishes (wall application only)

CFR

CFR is an insulated metal standing seam roof panel and is the newest innovation in all-in-one composite roof panel design, combining durable interior and exterior faces with an unmatched polyurethane core. The CFR panel is a truly unique answer to many deficiencies common with more traditional roofing materials of the past.

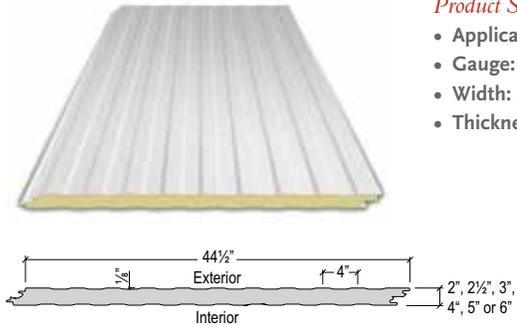


Product Specifications

- **Applications:** Roof
- **Gauges:** Exterior: 24, 22 | Interior: 26, 24, 22
- **Width:** 42" (standard); 30", 36" (optional)
- **Thicknesses:** 2", 2½", 3", 4", 5", 6"
- **Length:** Recommended maximum of 50'
- **Panel Attachment:** Concealed Fastening System
- **Standard Coatings:** Galvalume Plus®, Signature® 200, Signature® 300

CF45 PARTITION WALL

The CF45 Partition Wall panel is the optimal choice for interior partitions. The interior and exterior panel faces are identical images with the same profile for each. This panel is available in a width of 44½", and the profiles have ¼" ribs that are four inches on center.

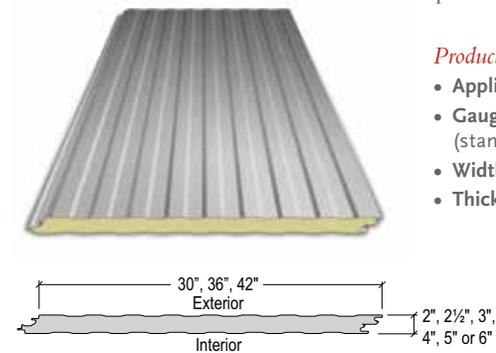


Product Specifications

- **Applications:** Wall (interior only)
- **Gauge:** 26, 24, 22 (both surfaces)
- **Width:** 44½"
- **Thicknesses:** 2", 2½", 3", 4", 5", 6"
- **Length:** Recommended maximum of 50'
- **Panel Attachment:** Tongue-and-Groove with Exposed Fasteners
- **Standard Coating:** Iglloo White

CF MESA

The CF Mesa panel is designed for exterior wall applications, interior wall partitions and interior ceilings. The lightly corrugated profile on both faces of the panel carries symmetry from the building's exterior through its interior, and from room to room in partition installations. This panel is most commonly used for commercial applications.

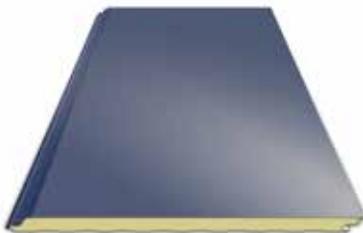


Product Specifications

- **Application:** Wall (vertical)
- **Gauges:** Exterior: 26, 24, 22 | Interior: 26 (standard); 24, 22 (optional)
- **Widths:** 30", 36", 42"
- **Thicknesses:** 2", 2½", 3", 4", 5", 6"
- **Length:** Recommended maximum of 50'
- **Panel Attachment:** Concealed Fastening System
- **Standard Coatings:** Signature® 200, Signature® 300, Signature® 300 Metallic, Applied Finishes

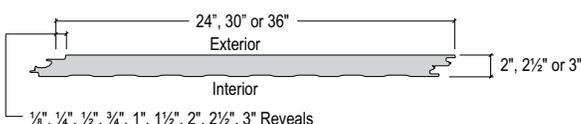
CF ARCHITECTURAL & CF ARCHITECTURAL/HORIZONTAL

The CF Architectural (vertical) and CF Architectural/Horizontal wall panel employs a flat appearance providing a monolithic look that is great for high-profile architectural applications. The panel allows designers to mix multiple panel widths and colors on the same wall. It also allows flexibility for continuous corners along with a complete line of aluminum extrusions and accessories to complete the wall system. When desired, these panels can also be mixed with vertical or horizontal panels to achieve almost any look a design requires, and can be used in vertical or horizontal applications.



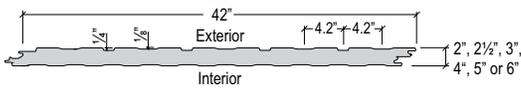
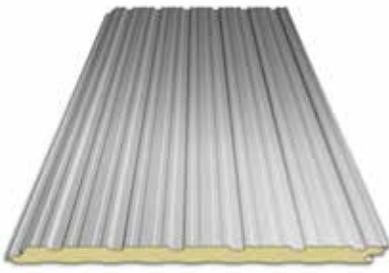
Product Specifications

- **Application:** Wall (vertical and horizontal)
- **Gauges:** Exterior: 22 | Interior: 26 (standard); 24, 22 (optional)
- **Widths:** 24", 30", 36"
- **Thicknesses:** 2", 2½", 3", 4" (available for vertical)
- **Reveal Options (horizontal):** ⅛" (standard); ¼", ½", ¾", 1", 1½", 2", 2½", 3" (optional)
- **Length:** Recommended maximum of 32' for vertical and 24' for horizontal
- **Panel Attachment:** Concealed Fastening System
- **Standard Coatings:** Signature® 300, Signature® 300 Metallic



CF FLUTE

The traditional styling and distinct vertical lines of the CF Flute panel are ideal for custom-designed or conventional building construction, especially commercial and industrial applications, as well as cold storage. The interior skin employs a stucco-embossed Mesa profile.



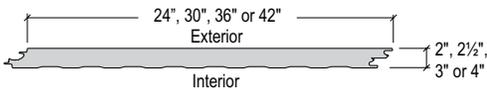
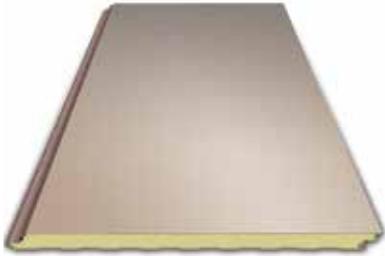
Product Specifications

- **Application:** Wall (vertical)
- **Gauges:** Exterior: 26, 24, 22 | Interior: 26 (standard); 24, 22 (optional)
- **Width:** 42"
- **Thicknesses:** 2", 2½", 3", 4", 5", 6"

- **Length:** Recommended maximum is 50'
- **Panel Attachment:** Concealed Fastening System
- **Standard Coatings:** Signature® 200, Signature® 300, Signature® 300 Metallic

SANTA FE®

The Santa Fe® exterior skin has a flat exterior profile with an Aztec-embossed pattern resembling old-world hand plaster. The interior skin employs a stucco-embossed light Mesa profile.



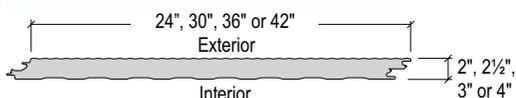
Product Specifications

- **Application:** Wall (vertical or horizontal)
- **Gauges:** Exterior: 24, 22 | Interior: 26 (standard); 24, 22 (optional)
- **Widths:** 24", 30", 36", 42"
- **Thicknesses:** 2", 2½", 3", 4"

- **Length:** Recommended maximum is 40'
- **Panel Attachment:** Concealed Fastening System
- **Standard Coatings:** Signature® 200, Signature® 300, Signature® 300 Metallic, Applied Finishes

STRIATED

The exterior skin of the Striated panel is profiled with minor striations, giving it a flat look and providing a linear appearance while blending with the panel side joints. This panel is an excellent alternative to typical flat wall panels. The interior skin has a stucco-embossed light Mesa profile.

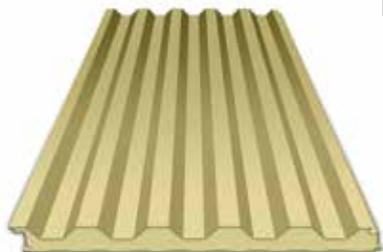


Product Specifications

- **Application:** Wall (vertical or horizontal)
- **Gauges:** Exterior: 24, 22 | Interior: 26 (standard); 24, 22 (optional)
- **Widths:** 24", 30", 36", 42"
- **Thicknesses:** 2", 2½", 3", 4"

- **Length:** Recommended maximum is 32' for 42" width, and 40' for 24", 30" and 36" widths
- **Panel Attachment:** Concealed Fastening System
- **Standard Coatings:** Signature® 200, Signature® 300, Signature® 300 Metallic, Applied Finishes

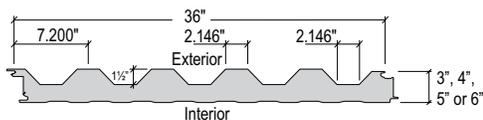
7.2 INSUL-RIB™



The 7.2 Insul-Rib™ panel combines a traditional 7.2 rib panel design with a premier polyurethane foam core. This panel can be installed both vertically and horizontally, allowing architects the same design flexibility that is available with our single skin 7.2 Panel (page 24).

Product Specifications

- **Application:** Wall (vertical or horizontal)
- **Gauges:** Exterior: 26, 24, 22 | Interior: 26, 24, 22
- **Width:** 36"
- **Thicknesses:** 3", 4", 5", 6"
- **Length:** Recommended maximum of 40'
- **Panel Attachment:** Offset double tongue-and-groove with extended metal shelf for positive concealed face fastening
- **Standard Coatings:** Signature® 200, Signature® 300, Signature® 300 Metallic



TUFF WALL® / TUFF-CAST™



The Tuff Wall® and Tuff-Cast™ panels are designed for exterior applications where an aggregate look is preferred. The exterior skin of the panel is embossed flat, while the interior skin has the embossed light Mesa profile. Tuff Wall® has a finish similar to stucco, providing the masonry look many designers and communities desire. The Tuff-Cast™ exterior is finished with look of precast concrete.

Product Specifications

- **Application:** Wall (vertical and horizontal)
- **Gauges:** Exterior: 24, 22 | Interior: 26, 24, 22
- **Widths:** 36", 42"
- **Thicknesses:** 2", 2½", 3", 4"
- **Length:** Recommended maximum is 38'
- **Panel Attachment:** Concealed Fastening System
- **Standard Coatings:** Applied Finishes only



Concealed Fastening Systems





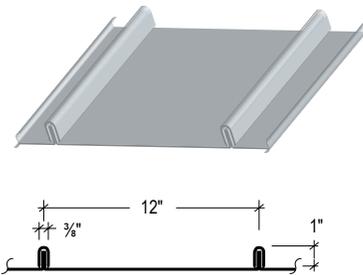
CRAFTSMAN™ SERIES

The Craftsman™ Series is a snap-on batten roof system, available in narrow, wide and high profiles: small (SB), large (LB) and high batten (HB).

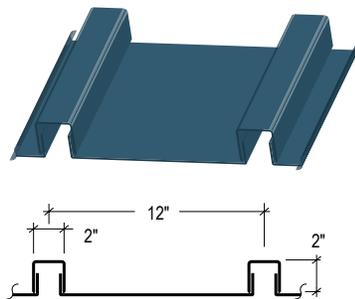
The Craftsman™ Series is a water-shedding system and can be used for roofs and fascias only when installed over a water-proofed solid substructure with a minimum roof slope of 3:12. The Craftsman™ Series design makes complicated building transitions simple without the necessity of flashings. Slope changes from roof to fascia to soffit can be made with one continuous pan and batten.

Product Specifications

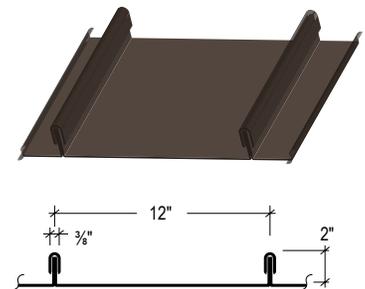
- **Application:** Roof, Fascia
- **Coverage Widths:** 12", 16½"
- **Minimum Slope:** 3:12
- **Panel Attachment:** Concealed Fastening System
- **Gauges:** 24 (standard); 22, 26 (optional)
- **Finishes:** Smooth (standard); Striated (optional)
- **Coatings:** Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic



SB-12



LB-12



HB-12

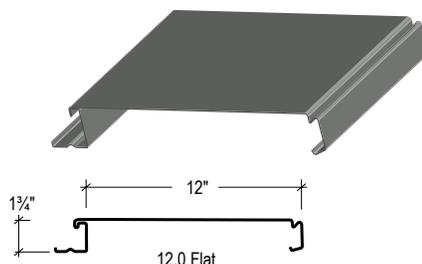
DESIGNER™ SERIES

The Designer™ Series panels provide the toughness of metal while creating an attractive, flexible and functional wall or fascia panel. The Designer™ Series is offered in fluted and flat panels, which are equally effective for new construction or retrofitting existing buildings.

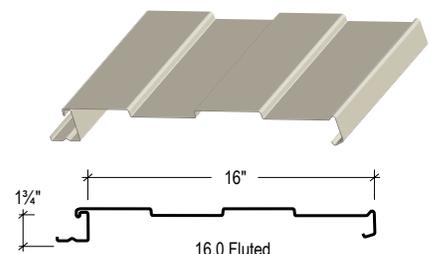
If your design calls for a smooth or flat wall or fascia, look to the Designer™ Series 12.0 Flat Panel, which offers a 1¾-inch deep leg providing the perfect cavity for rigid board insulation.

Product Specifications

- **Application:** Wall
- **Coverage Widths:** 12" (flat), 16" (fluted)
- **Panel Attachment:** Concealed Fastening System
- **Gauges:** 24 (standard); 22 (optional)
- **Finishes:** Smooth (standard); Embossed (optional)
- **Coatings:** Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic



12.0 Flat



16.0 Fluted



Service That Makes a Difference

MBCI was founded on its commitment to service. The additional effort from our staff sets MBCI apart from the competition. MBCI's Project Service team is staffed and prepared to provide professional assistance to the architectural and contracting communities. From the initial project concept, Project Services will assist in developing budget criteria and product selection as well as estimating and shop drawings.



**AIA
CONTINUING
EDUCATION**

MBCI's educated sales personnel are authorized to conduct AIA Continuing Education classes for the many courses we offer. Contact us by phone or through our website to schedule a meeting or lunch-and-learn today.

**CERTIFIED
INSTALLER
PROGRAM**

The MBCI Certified Installer courses cover every aspect of putting our sophisticated systems on your roof, from materials and handling, weathertightness and technical requirements to installation steps and specific detail conditions.

**SINGLE SOURCE™
WARRANTY**

When you specify one of MBCI's Single Source™ Warranties, you can have confidence that your project will be covered by the most comprehensive warranty available. MBCI will conduct timely inspections to guarantee that the approved details are being used and the roof is being properly installed. Any discrepancies found during these inspections that would prevent issuance of the warranty will be quickly brought to the architect's attention. Should a leak occur after the warranty has been issued, the owner can rely on MBCI to handle.



PROJECT: Lester E. Palmer Events Center LOCATION: Austin, TX PANEL PROFILE: SuperLok® COLOR: Galvalume Plus®

GREEN BUILDING BENEFITS

MBCI's metal panels are energy efficient, recyclable, durable, lightweight and cost-effective. Our panels are comprised of 25 percent to 35 percent recycled materials and our single skin panels are virtually 100 percent recyclable.

Cool metal roofing provides energy savings, offering both economical and environmental benefits. As a proud ENERGY STAR® Partner, our cool roof colors have reflectivity performance that met ENERGY STAR criteria for roof pitches greater than 2:12.

Our insulated metal panels (IMPs) have high R-values, which provide superior thermal performance and reduced energy consumption, allowing for smaller greenhouse gas emissions and reduced energy costs for building owners. IMPs also mitigate thermal drift, which is common when using unfaced polyisocyanurate rigid board insulation.

IMPs qualify as continuous insulation (ci) where required by the International Energy Conservation Code® (IECC) and ASHRAE 90.1. This allows for insulation to be free from significant thermal bridging. And, because of their unique self-sealing side joints, IMPs also function as an important part of a Continuous Air Barrier (CAB) system.

TRIM & FLASHING

All trim and flashing is available in the same gauge and finish as our panel offerings. A complete selection of standard trim and made-to-specification flashing in lengths up to 20 feet, three inches is available upon request. All flashing is designed to minimize exposed fasteners.

TECHNICAL INFORMATION

MBCI conforms to industry-accepted metal and finish coating standards. Physical properties are available upon request. MBCI is committed to an aggressive, independent physical testing program to continually comply with guidelines on water penetration, uplift ratings and structural performance.

MATERIALS & COATINGS

The base metal is 22-, 24- or 26-gauge steel manufactured from either high-strength Galvalume® produced to ASTM A792/A792M-AZ50 or AZ55, Grade 50 or HDG produced to ASTM A653/A653M-G90 structural aluminum. Finishes include baked enamel, urethane and Plastisol. All materials are available smooth or stucco-embossed.

All metal architectural panels have wide, flat surfaces to meet the demands of today's design. While MBCI has recognized and responded to this requirement, we have a responsibility to advise that a wide and perfectly flat appearance is not always possible. In some wide products, panel distortion—called oil canning—may occur and require additional aesthetic tolerance and/or additional support behind the panel face. Heavier gauges, narrower widths, striations and embossing minimize oil canning.

PAINT FINISHES

MBCI offers one of the largest color selections in the industry. Each of our paint colors qualifies as a cool roof on sloped roofs above 2:12. Our applied finishes work as an excellent alternative to masonry or tilt-wall construction and are available on our insulated metal panels.

SIGNATURE® 300/SIGNATURE® 300 METALLIC

This fluorocarbon paint system combines ceramic pigmentation with polyvinylidene fluoride (70 percent of resin solids) for a superior, long-lasting finish. Outstanding performance and durability are achieved through this proprietary resin technology. Signature® 300 is recognized as providing unsurpassed performance in critical areas such as color retention, film erosion rate and chemical resistance.

SIGNATURE® 200

Signature® 200 is a thermoset coating system composed of polyester resin modified by copolymerization with a functional silicone resin intermediate. With high quality ceramic pigmentation, Signature® 200 offers optimum exterior protection plus superior resistance to chemical corrosion and ultraviolet radiation. Signature® 200 represents the most sophisticated silicone polyester coating system in the industry.

PAINT WARRANTIES

Forty-year limited paint warranties are available upon written request and project qualification for all paint colors except Brite Red, which has a 25-year warranty. A 10-year warranty is available for applied finishes. (Outside the continental United States, please inquire.)

