

HISTORIC DISTRICT COMMISSION PROJECT REVIEW REQUEST

CITY OF DETROIT
PLANNING & DEVELOPMENT DEPARTMENT
2 WOODWARD AVENUE, ROOM 808, DETROIT, MI 48226

DATE: _____

PROPERTY INFORMATION

ADDRESS: _____ AKA: _____

HISTORIC DISTRICT: _____

SCOPE OF WORK: Windows/Doors Roof/Gutters/Chimney Porch/Deck Landscape/Fence/Tree/Park General Rehab
(Check ALL that apply) New Construction Demolition Addition Other: _____

APPLICANT IDENTIFICATION

Property Owner/Homeowner Contractor Tenant or Business Occupant Architect/Engineer/Consultant

NAME: _____ COMPANY NAME: _____

ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____

PHONE: _____ MOBILE: _____ EMAIL: _____

PROJECT REVIEW REQUEST CHECKLIST

Please attach the following documentation to your request:

PLEASE KEEP FILE SIZE OF ENTIRE SUBMISSION UNDER 30MB

- Completed Building Permit Application** (highlighted portions only)
- ePLANS Permit Number** (only applicable if you've already applied for permits through ePLANS)
- Photographs** of ALL sides of existing building or site
- Detailed photographs** of location of proposed work (photographs to show existing condition(s), design, color, & material)
- Description of existing conditions** (including materials and design)
- Description of project** (if replacing any existing material(s), include an explanation as to why replacement--rather than repair--of existing and/or construction of new is required)
- Detailed scope of work** (formatted as bulleted list)
- Brochure/cut sheets** for proposed replacement material(s) and/or product(s), as applicable

NOTE:

Based on the scope of work, additional documentation may be required.

See www.detroitmi.gov/hdc for scope-specific requirements.

Upon receipt of this documentation, staff will review and inform you of the next steps toward obtaining your building permit from the Buildings, Safety Engineering and Environmental Department (BSEED) to perform the work.

SUBMIT COMPLETED REQUESTS TO HDC@DETROITMI.GOV

Historic District Commission Project Review Request

Permit Application: See Attached
ePLANS - Record ID: BLD2021-00477

Exterior Building Photos



West Elevation



North Elevation



North Elevation



East Elevation



South Elevation

Detailed Photographs



East Elevation of Structure to be Replaced



South Elevation of Structure to be Replaced



North Elevation of Structure to be Replaced



West Elevation of Structure to be Replaced

Description of Existing Conditions

Brick structure about 10'x10' square and 5' high off upper roof section and 8' high off lower roof section. Structure has a metal roof and access door.

Description of Project

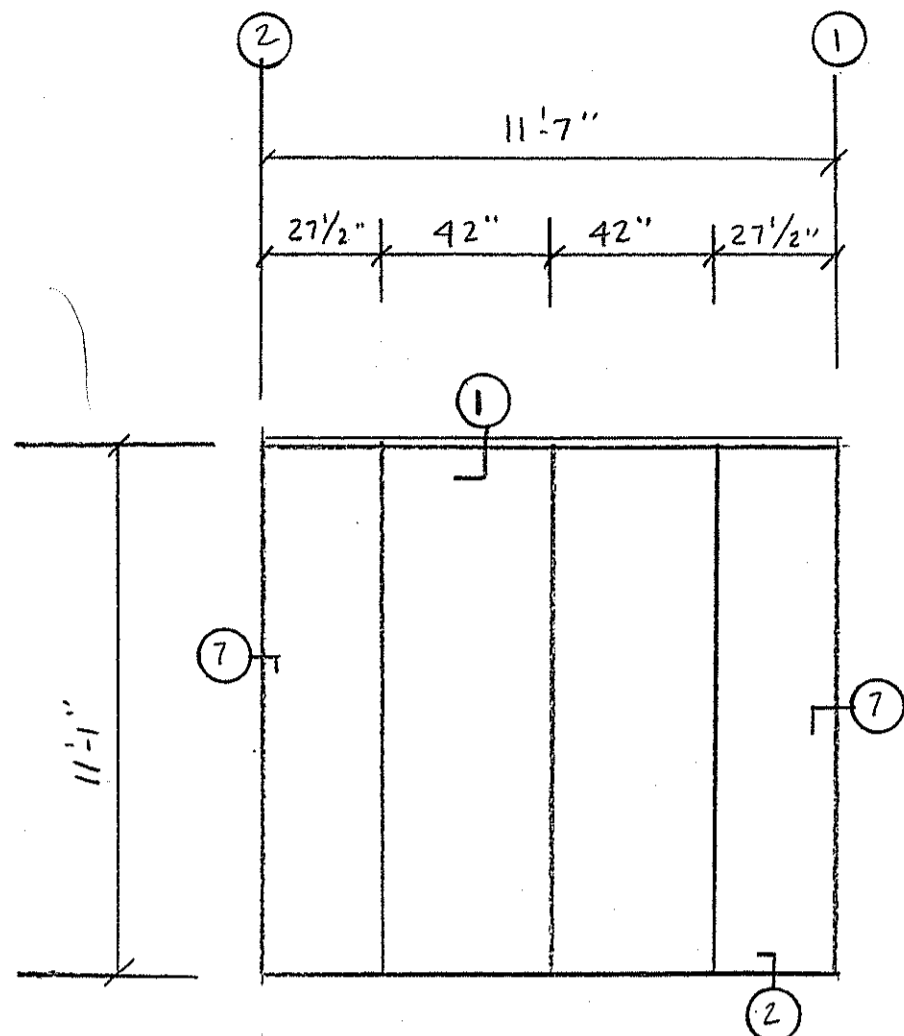
Removing the existing elevator penthouse to about 5' down from the metal roof covering the penthouse. This will allow for us to not disturb the building roof. We will then use the existing brick wall to support a new structural steel and insulated metal panel penthouse with proper access door, ladder and clear work room around the equipment. All equipment for the elevator will now be located in this room and removed from the basement. The current elevator penthouse will not accommodate all the new elevator equipment being installed as it is currently only used for the top elevator pulleys. No other equipment is located in this room. According to the owner the city has requested that before any more inspection can occur that the elevator must be replaced and elevator equipment removed from the basement and installed on the roof. This change requires a larger penthouse to accommodate the new equipment.

Detailed Scope of Work

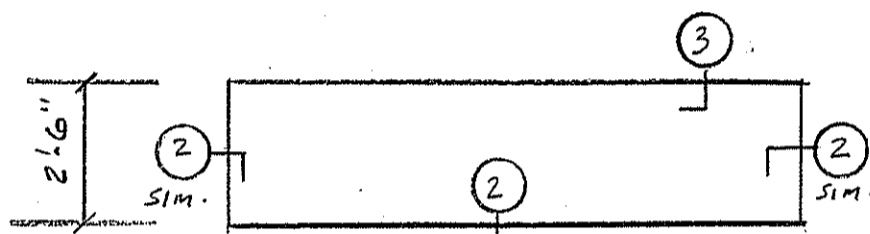
- Remove elevator equipment in room
- Remove metal roof
- Remove brick to about 5' down from the existing penthouse roof
- Remove door and Misc.
- Crane lift down demo materials and crane lift up new materials
- Set new structural steel base beams atop of existing brick shaft walls to accommodate new penthouse
- Set new structural steel frame to accept metal wall panels
- Set new grating, stairs and access door
- Install new insulated metal wall panels
- Install new insulated metal roof panels
- Install new elevator equipment
- Install required electrical to room

Brochure / Cut Sheets

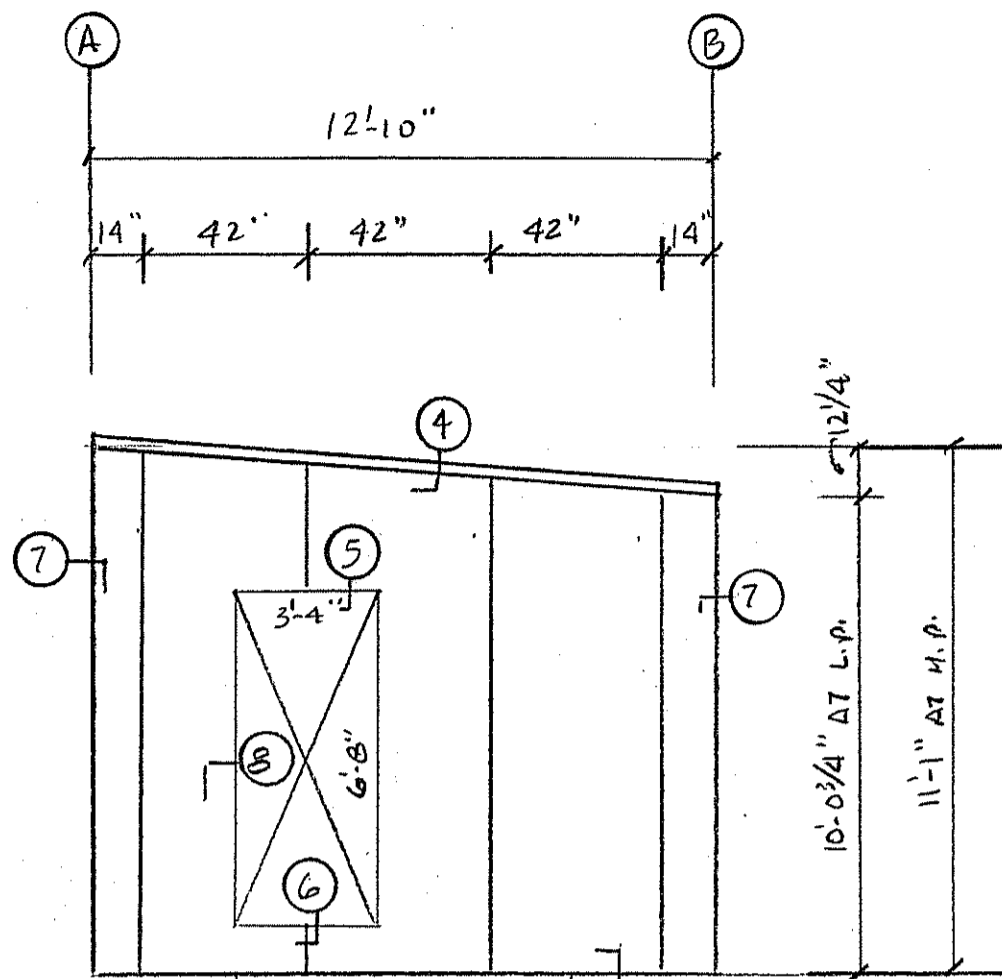
See Attached



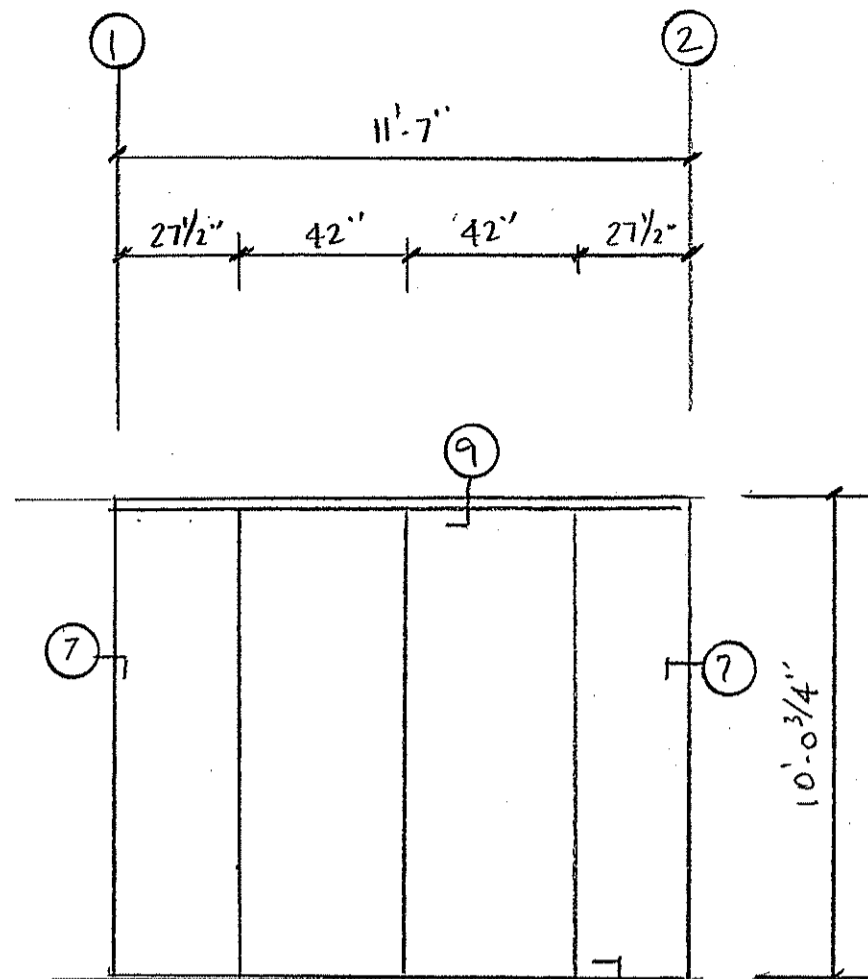
SOUTH ELEVATION
4 @ 11'-1"



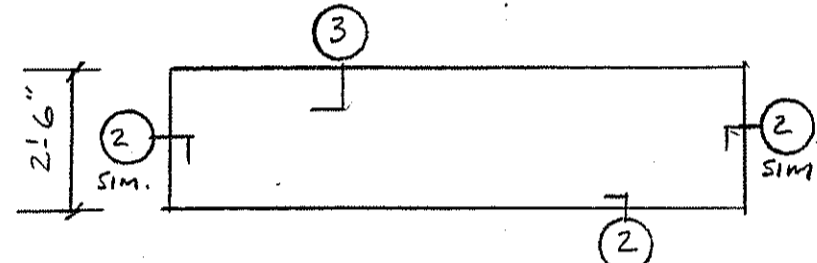
SOFFIT PLAN
1 @ 11'-7"



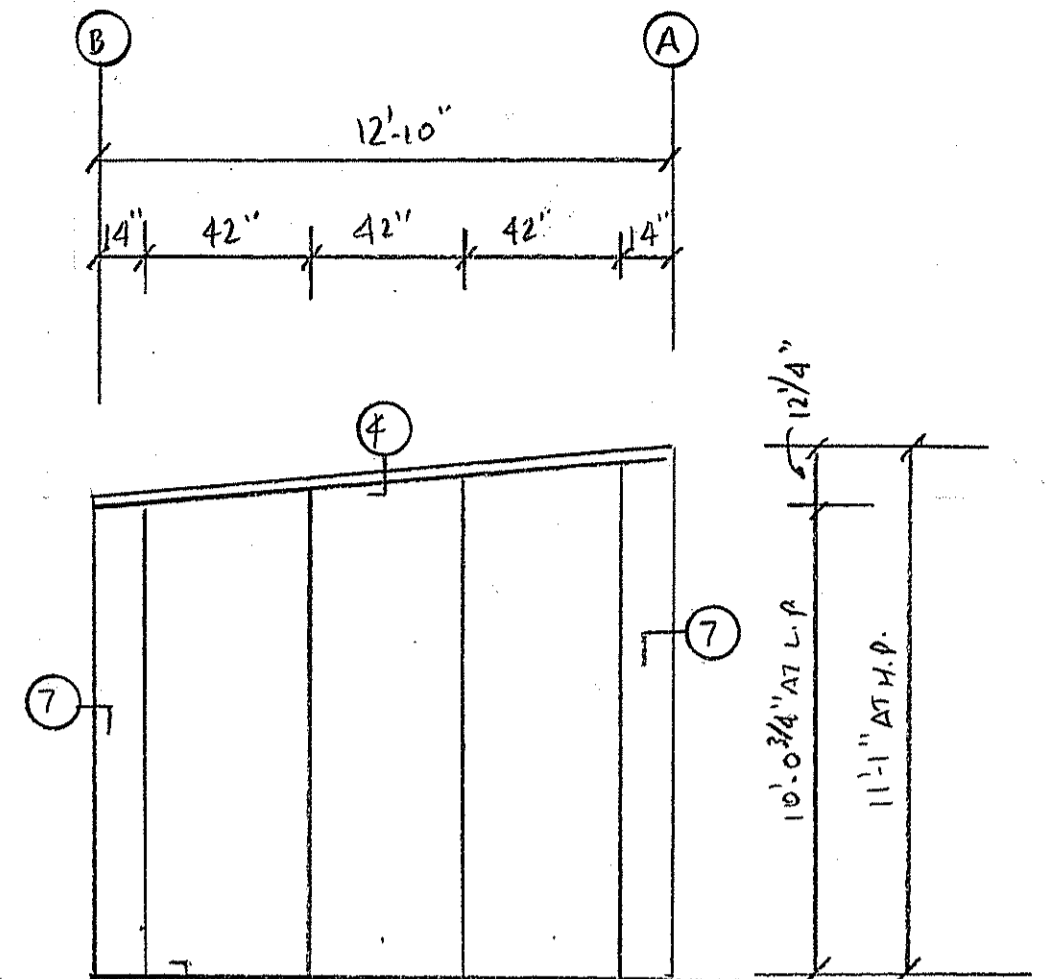
WEST ELEVATION
4 @ 11'-1"



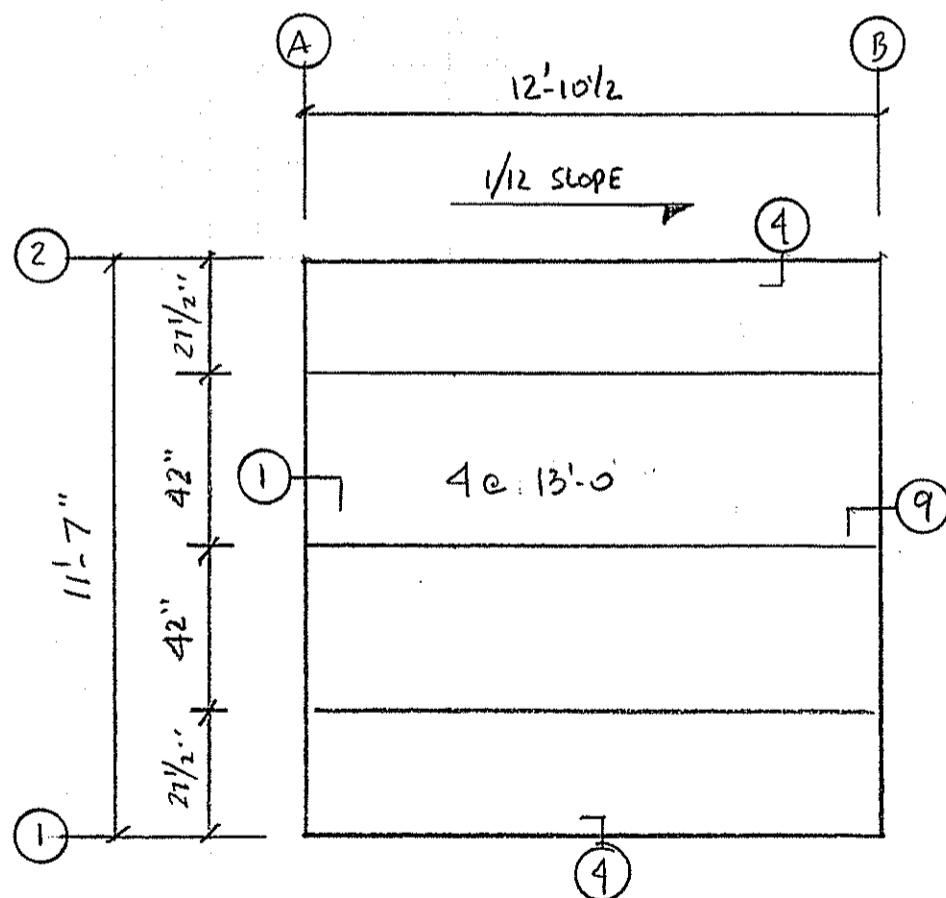
NORTH ELEVATION
4 @ 10'-0 3/4"



SOFFIT PLAN
1 @ 11'-7"



EAST ELEVATION
4 @ 11'-1"



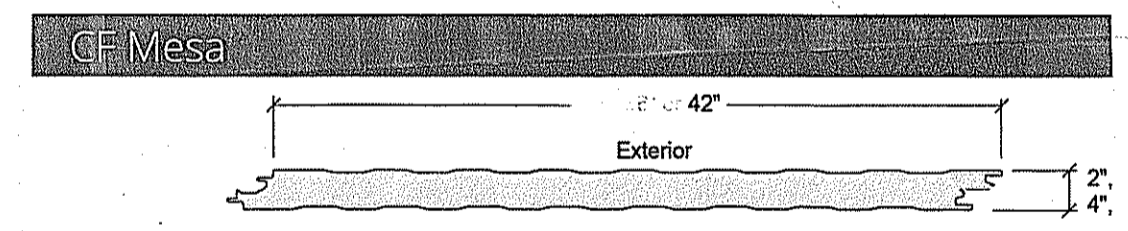
ROOF PLAN
4 @ 13'-0"

66 Adelaide

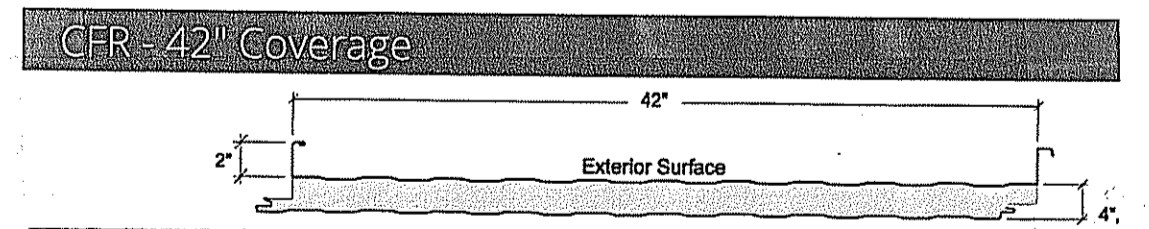
Detroit, Michigan

General Notes:

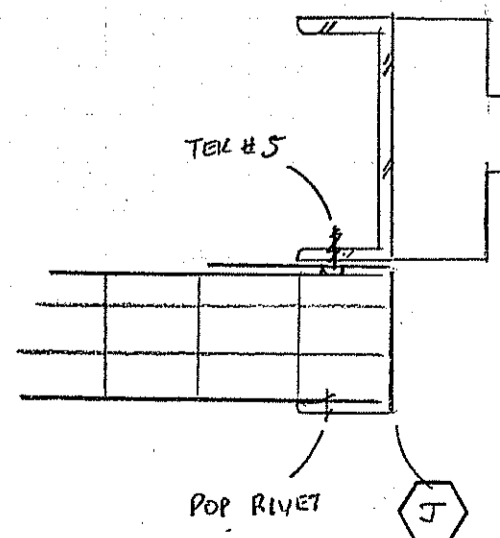
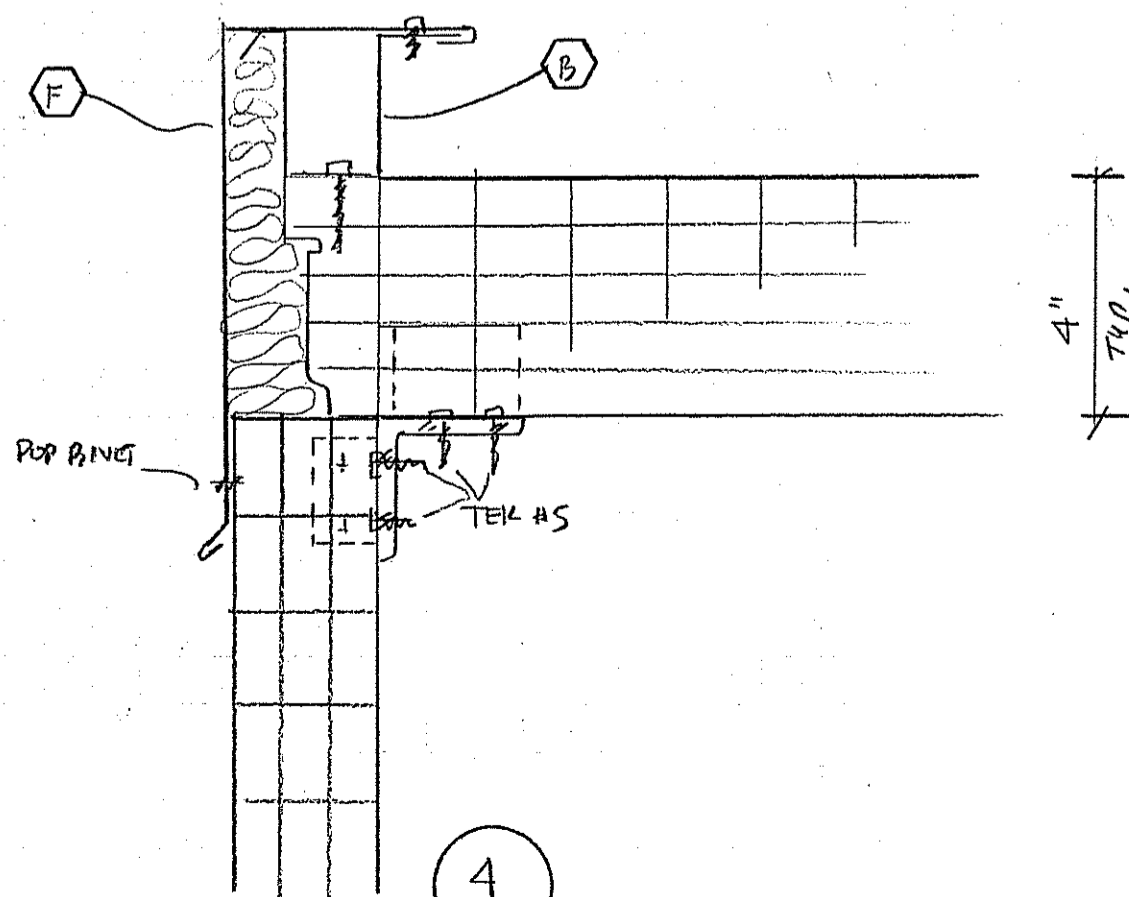
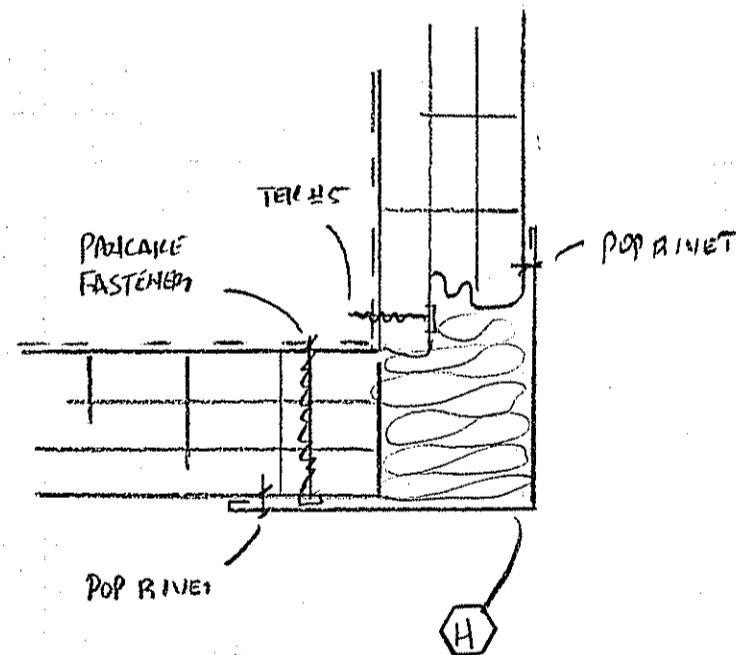
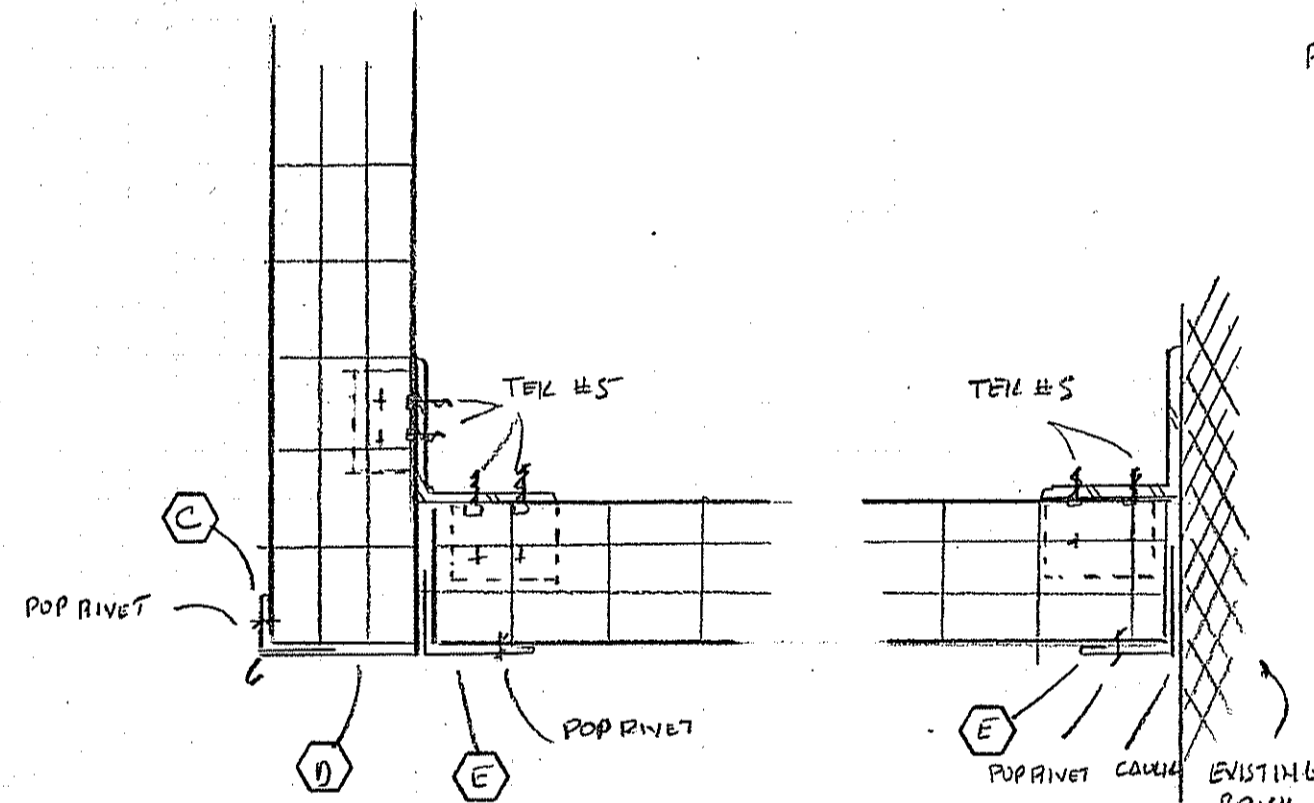
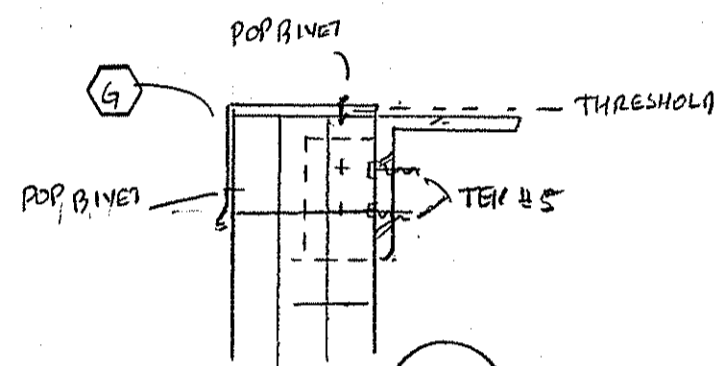
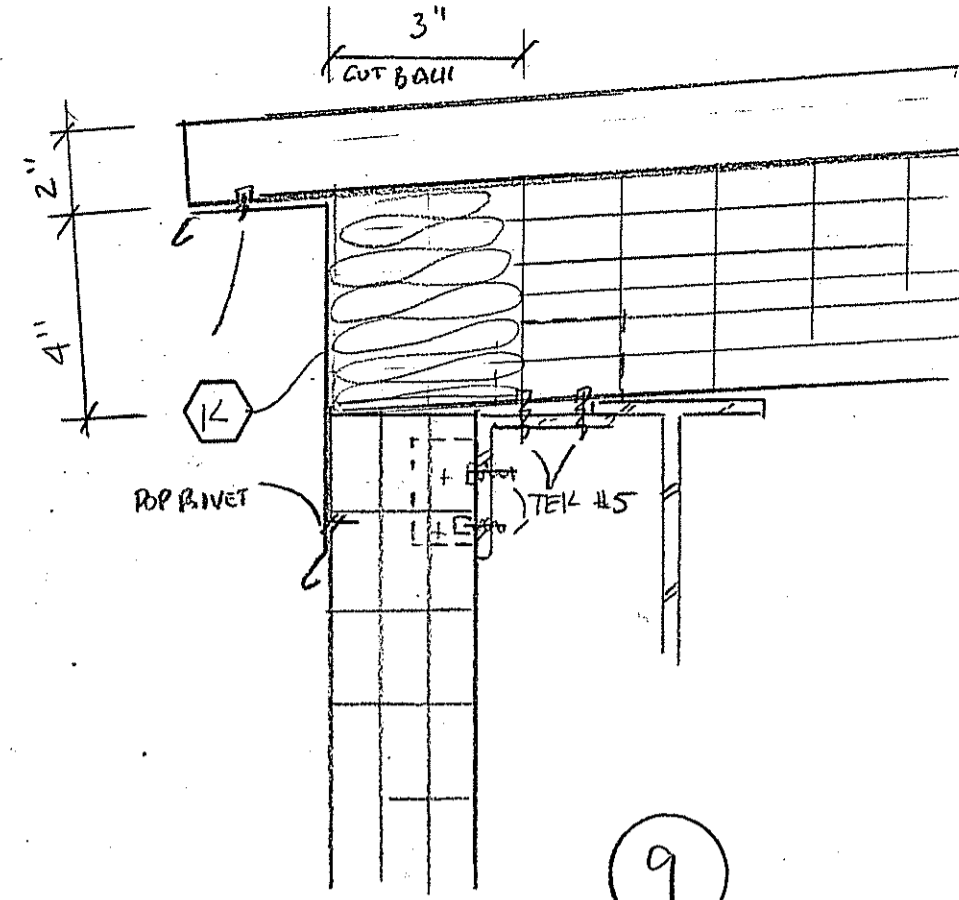
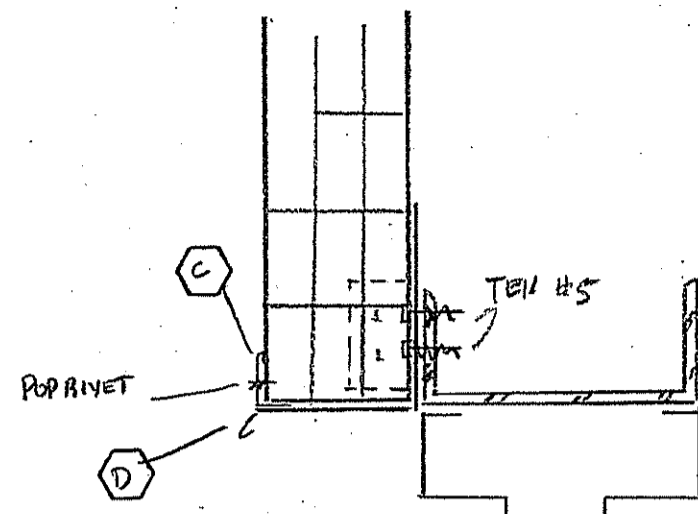
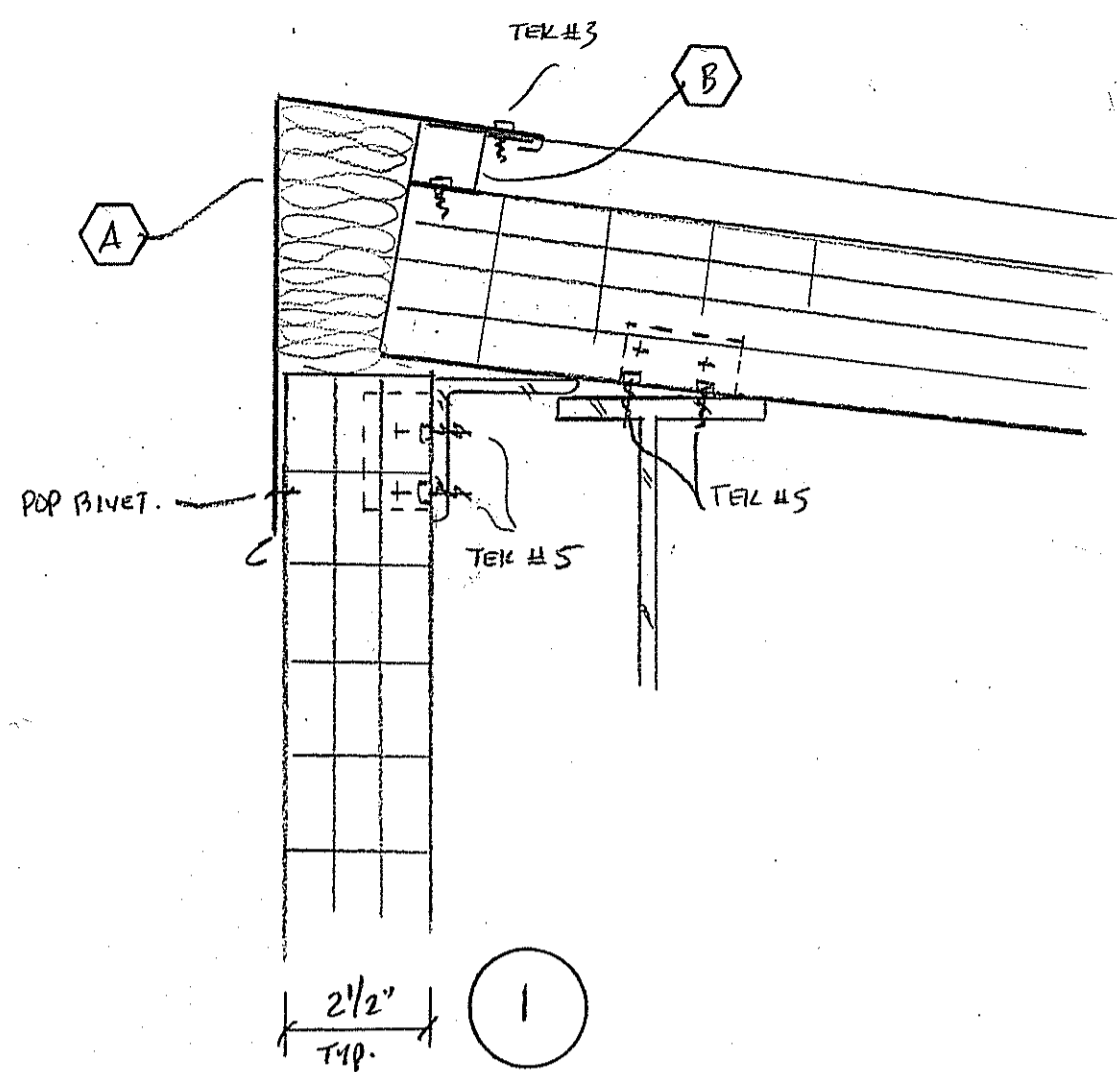
1. Insulated metal wall and roof panels to be manufactured by M.B.C.I.
2. Wall panel profile to be CF-42F, 42" wide x 2 1/2" deep. 24-gauge Face and 26-gauge liner. Stucco Embossed texture.
3. Roof panel profile to be CFR-42, 42" wide x 4" deep. 24-gauge face and 26-gauge liner. Stucco Embossed texture.
4. All trim to be fabricated from brake metal trim. Color and texture to match panels.
5. Wall and roof panels to have a standard color two coat Kynar finish. Color to be selected from manufacturer's standard stock color chart.
6. All related sealants are included.



WALL PANEL



ROOF PANEL



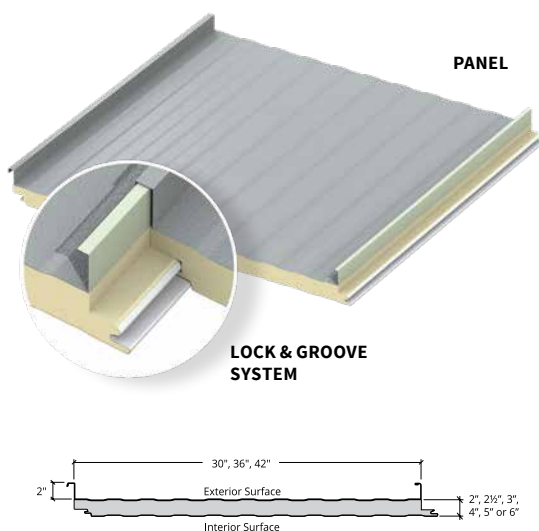
<p>A</p> <p>S.O. 12 1/4" MAIL #1 REQ'D. 2 @ 10' 0"</p>	<p>B</p> <p>S.O. 6" MAIL #1 REQ'D. 4 @ 10' 0"</p>
<p>C</p> <p>S.O. 3 1/2" MAIL #1 REQ'D. 6 @ 10' 0"</p>	<p>D</p> <p>S.O. 8 1/4" MAIL #1 REQ'D. 6 @ 10' 0"</p>
<p>E</p> <p>S.O. 4 1/2" MAIL #1 REQ'D. 6 @ 10' 0"</p>	<p>F</p> <p>S.O. 11 1/2" MAIL #1 REQ'D. 4 @ 10' 0"</p>
<p>G</p> <p>S.O. 6 3/4" MAIL #1 REQ'D. 1 @ 10' 0"</p>	<p>H</p> <p>S.O. 12" MAIL #1 REQ'D. 6 @ 10' 0"</p>
<p>J</p> <p>S.O. 6 1/8" MAIL #1 REQ'D. 2 @ 10' 0"</p>	<p>K</p> <p>S.O. 10 1/2" MAIL #1 REQ'D. 2 @ 10' 0"</p>
<p>L</p> <p>OPEN</p>	<p>MATERIAL DESCRIPTION</p> <p>MAIL #1 24 GA. GALV STUCCO EMBOSSED W/LEMAN FINISH</p> <p>COLOR: _____</p>



INSULATED METAL PANELS

CFR

CFR is an insulated metal roof 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 insulated metal standing seam roof panel is a truly unique answer to many deficiencies common with more traditional roofing materials of the past.



Features and Benefits:

- The CFR roof panel is ideal for architectural, commercial, industrial and institutional applications.
- Due to their careful design features, this roof system requires very little field reworking and can be easily and quickly installed.

Product Specifications

- **Applications:** Roof
- **Length:** 9'-6" to 53'-0"
- **Coverage Widths:** 42" (standard); 30"**, 36" (optional)
- **Thicknesses:** 2", 2½", 3", 4", 5", 6"
- **Panel Attachment:** Concealed fastening system
- **Gauges Exterior:** 24, 22; Interior: 26, 24, 22
- **Finishes Exterior:** Galvalume Plus®, Stucco-embossed; Interior: Stucco-embossed
- **Coatings Exterior:** Signature® 200, Signature® 300; Interior: Igloo White (standard)

U-Factors and R-Values*

U-factor (BTU-/h-ft2-° F)		R-Value (h-ft2-° F/BTU)	
PANEL WIDTH: 42"		PANEL WIDTH: 42"	
	75°		75°
2"	0.0600	2"	16.67
2½"	0.0490	2½"	20.41
3"	0.0414	3"	24.15
4"	0.0318	4"	31.45
5"	0.0257	5"	38.91
6"	0.0217	6"	46.08

* Based on ASTM C518, ASTM C1363 and thermal modeling, 75° F core mean temp.

** Available only from Metl-Span's Texas plant

INSULATED METAL PANELS

TEST/APPROVAL	TEST METHOD	TEST TITLE	RESULTS
FIRE US	ASTM E84	Surface Burning Characteristics of Building Materials	Flame spread <25, smoke developed <450
	ASTM E108	Standard Test Methods for Fire Tests of Roof Coverings	Passed Class A
	FM 4880	Class 1 Fire Rating of Insulated Wall, Ceiling and Roof Panels	Product approved Exterior roof requires FM 4471 approval
	NFPA 286	Fire Tests for Evaluating Contribution of Wall and Ceiling Finish to Roof Fire Growth	Test specimen met the criteria of the IBC Section 803.1.2.1
FIRE CANADA	CAN/ULC S102	Surface Burning Characteristics of Building Materials and Assemblies	Meets the National Building Code of Canada requirements
	CAN/ULC S107	Methods of Fire Tests of Roof Coverings	Passed Class A
	CAN/ULC S126	Fire Spread Under Roof-Deck Assemblies	Met the criteria of the standard
STRUCTURAL	ASTM E72	Strength Tests of Panels for Building Construction	See Load Chart
	ASTM E1592	Structural Performance of Metal Roof and Siding Systems by Uniform Static Air Pressure Differences	See Load Chart
	FM 4471	Class 1 Exterior Roof Structural Performance	See FM Roof Load Chart
	UL 580	Uplift Resistance of Roof Assemblies	UL Class 90 Uplift at 5' and 7'
	UL 1897	Uplift Tests for Roof Covering Systems	Uplift Resistance of 166 psf at 5' Uplift Resistance of 140 psf at 7'
THERMAL PERFORMANCE	ASTM C518	Steady-State Thermal Transmission Properties by Means of the Heat-Flow Meter Apparatus	K-Factor of 0.126 BTU.in/hr.ft ² .°F at 40° F mean core K-Factor of 0.14 BTU.in/hr.ft ² .°F at 75° F mean core
	ASTM C1363	Thermal Performance of Building Materials and Envelope Assemblies	See Thermal Performance Guide
AIR INFILTRATION	ASTM E1680	Rate of Air Leakage Through Exterior Metal Roof Panel Systems	<0.023 cfm/ft ² at 12 psf
WATER INFILTRATION	ASTM E1646	Water Penetration of Exterior Metal Roof Panel Systems by Static Air Pressure Differences	No uncontrolled leakage when tested to a static pressure of 12 psf Vertical or horizontal installation
SPECIAL APPROVAL	Miami-Dade NOA	Product Approval for City of Miami and Dade County	Product has City of Miami and Dade County Notice of Acceptance
	State of Florida	Product Approval for the State of Florida	Product has State of Florida approval

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.mbc.com. 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®. © 2020 MBCI, part of the **Cornerstone Building Brands** family. ALL RIGHTS RESERVED. 0706209991144/RevB/MS/1220



INSULATED SOLUTIONS

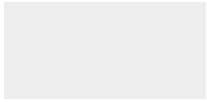
Color Chart

SIGNATURE® 300 PAINT COLORS

STANDARD COLORS

Polyvinylidene Fluoride (PVDF) Low Gloss

Standard I



POLAR WHITE



SANDSTONE

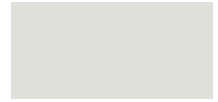
Standard II



ALMOND



BROWNSTONE ★



REGAL GRAY

PREMIUM I COLORS

Polyvinylidene Fluoride (PVDF) Low Gloss

Minimum quantities and/or extended lead times may be required. Please inquire.



HARBOR BLUE ★



PACIFIC BLUE ★



AEGEAN BLUE



SPRUCE ★



NATURAL PATINA ★



CLASSIC GREEN ★



HUNTER GREEN ★



MEDIUM BRONZE ★



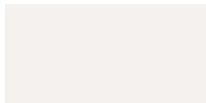
SLATE GRAY ★



TUNDRA ★



SMOKE GRAY



SNOW WHITE ★



TERRA COTTA



BRITE RED ★



COLONIAL RED ★

PREMIUM II METALLIC COLORS

NOTE: Metallic coatings are directional. Panels and trim must be installed oriented in the same direction to prevent perceived shade variances.



CHAMPAGNE



COPPER METALLIC ★



SILVER METALLIC ★



WEATHERED ZINC



DARK GRAY METALLIC

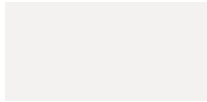


★ ENERGY STAR®
Qualified

SIGNATURE® 200 PAINT COLORS

STANDARD WEATHER XL COLORS

Siliconized Polyester Standard Gloss
*Igloo White is a Straight Polyester.



WINTER WHITE



LIGHT STONE ★



ASH GRAY ★

PREMIUM WEATHER XL COLORS

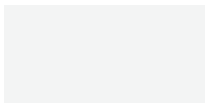
Siliconized Polyester

**Polar White is a Straight Polyester.

Minimum quantities and/or extended lead times may be required. Please inquire.



FERN GREEN ★



SOLAR WHITE



CRIMSON RED ★



RUSTIC RED ★



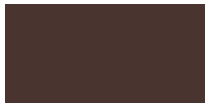
HAWAIIAN BLUE ★



BURNISHED SLATE ★



CHARCOAL GRAY ★



KOKO BROWN ★



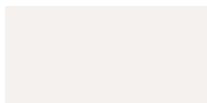
DESERT SAND ★



SADDLE TAN ★

STANDARD INTERIOR COLORS

*Igloo White is a Straight Polyester.



IGLOO WHITE*

Final color selection should be made from metal color chips.

- See product selection chart for gauge and color availability.
- Heavier gauges, narrower widths and embossing minimize "oil canning."
- Review the sample warranty for complete performance attributes and terms and conditions.
- For locations outside the continental USA and Canada, please inquire.



★ ENERGY STAR®
Qualified

APPLIED FINISHES

TUFF COTE® FIBER-REINFORCED POLYMER COATING

FOR TUFF-WALL™ OR TUFF CAST® PANELS ONLY

Optional finishes for CF Architectural, CF Mesa, Striated, Santa Fe, 7.2 Insul-Rib™ and LS-36™ (wall only) panels.

NOTE: These finishes require the exterior skin of the panel to be manufactured from coil with a matta matte finish of the same color as the applied finish.

* Light Stone Tuff Cote® does not match Light Stone siliconized polyester color offerings.

Standard Options



TEXTURED WHITE



LIGHT STONE



MEDIUM BEIGE



LIGHT GRAY



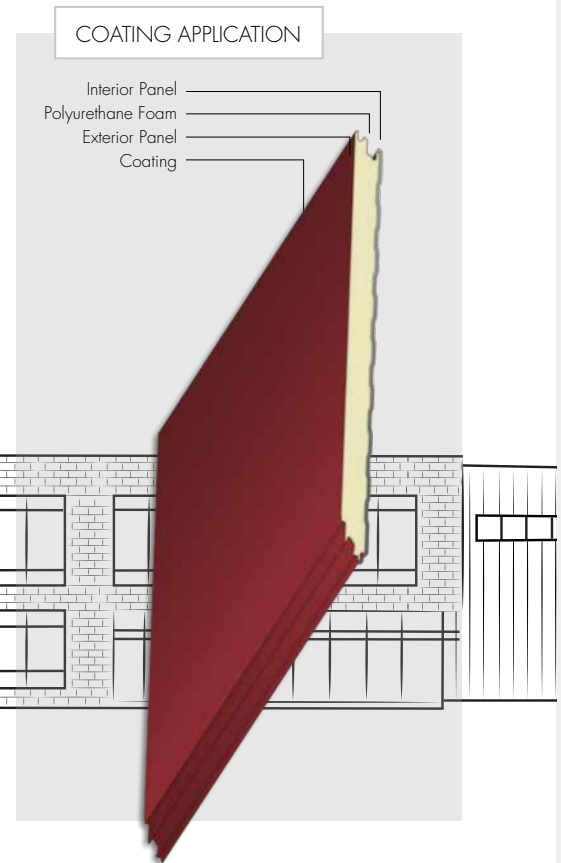
SURREY BEIGE



ANTIQUE BRONZE

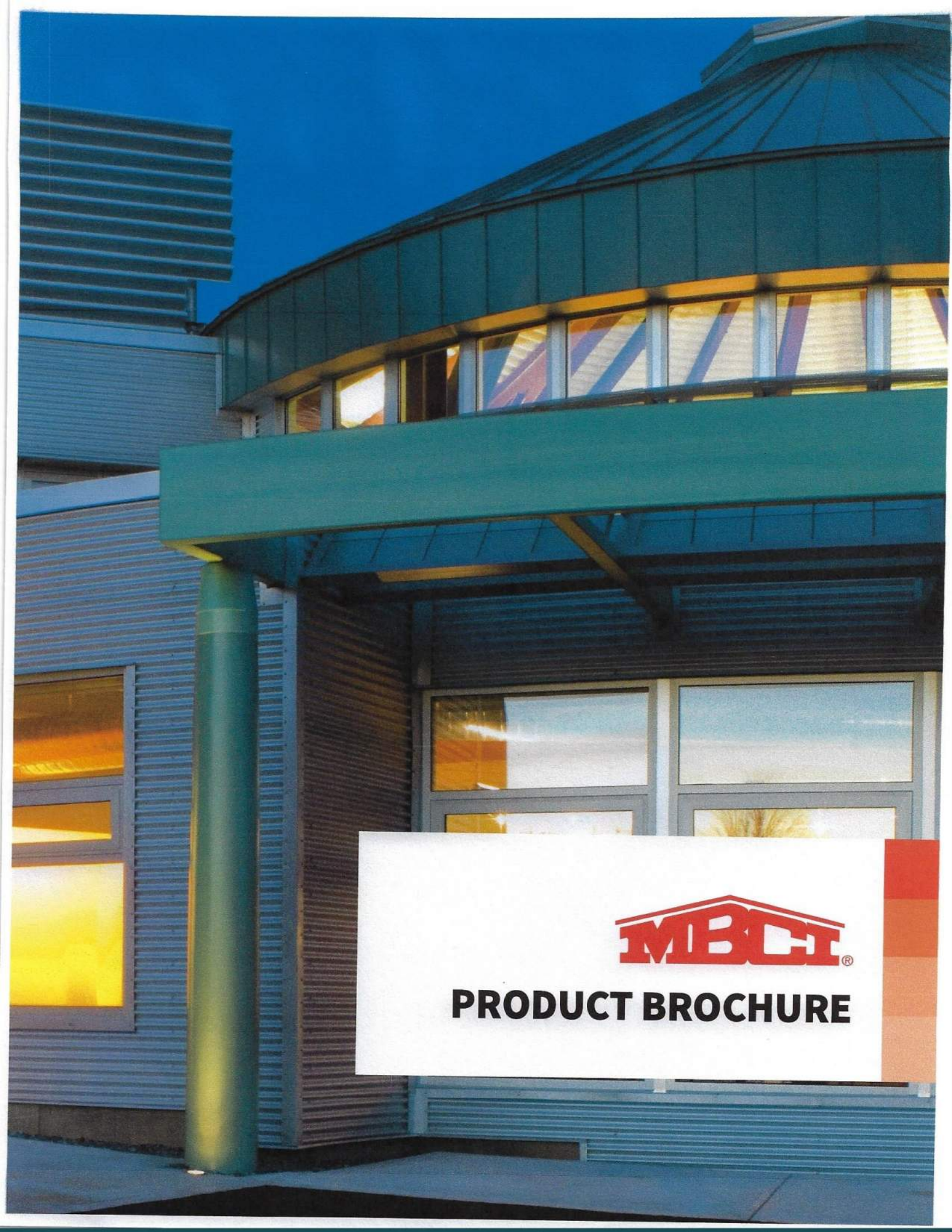


WARM LIMESTONE



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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.mbc.com. 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®. © 2020 MBCI®, part of the Cornerstone Building Brands family. ALL RIGHTS RESERVED. 0711209991101/RevA/MS/1120



PRODUCT BROCHURE



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.

Above Photo

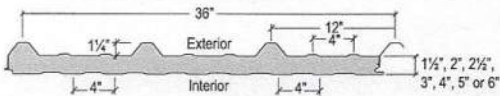
PROJECT: Fujisawa Healthcare Inc. **LOCATION:** Grand Island, NY **PANEL PROFILE:** CF Architectural/Horizontal **COLOR:** Silver Metallic



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

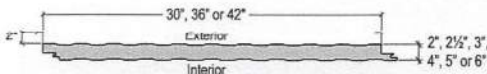
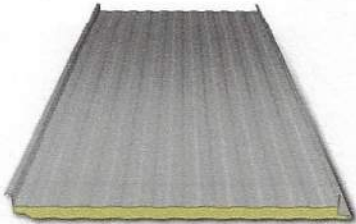
- **Applications:** Roof and Wall
- **Gauges:** Exterior: 26, 24, 22 | Interior: 26, 24, 22
- **Width:** 36"
- **Thicknesses:** 1 1/2", 2", 2 1/2", 3", 4", 5", 6"
- **Length:** 8'-0" to 50'-0"

- **Panel Attachment:** Exposed Fastening System
- **Standard Coatings:** Galvalume Plus®, Signature® 200, Signature® 300, Signature® 300 Metallic, Applied Finishes (wall application only)

Roof Panel

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.



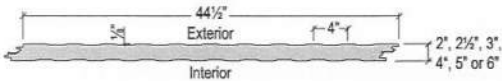
Product Specifications

- **Applications:** Roof
- **Gauges:** Exterior: 24, 22 | Interior: 26, 24, 22
- **Width:** 42" (standard); 30", 36" (optional)
- **Thicknesses:** 2", 2 1/2", 3", 4", 5", 6"

- **Length:** 9'-6" to 53'-0"
- **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 ½" ribs that are four inches on center.

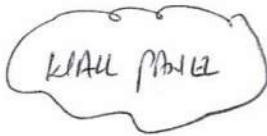


Product Specifications

- **Applications:** Wall (interior only)
- **Gauge:** 26, 24, 22 (both surfaces)
- **Width:** 44½"
- **Thicknesses:** 2", 2½", 2¾", 3", 4", 5", 6"

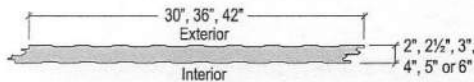
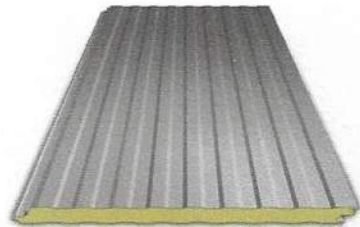
- **Length:** 8'-0" to 52'-0" for vertical embossed
8'-0" to 40'-0" for vertical unembossed
- **Panel Attachment:** Tongue-and-Groove with Exposed Fasteners
- **Standard Coating:** Igloo White

*Available only from Metl-Span's Nevada Plant



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.



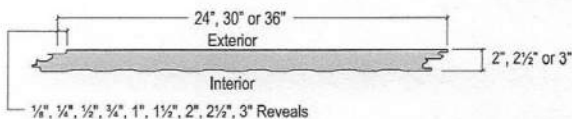
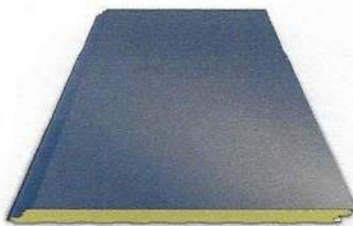
Product Specifications

- **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:**
8'-0" to 32'-0" for horizontal embossed
8'-0" to 16'-0" for horizontal unembossed
8'-0" to 52'-0" for vertical embossed
8'-0" to 40'-0" for vertical unembossed
- **Panel Attachment:** Concealed Fastening System
- **Standard Coatings:** Signature® 200, Signature® 300, Signature® 300 Metallic, Applied Finishes, Igloo White

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)
- **Length:** 8'-0" to 32'-0" for embossed
8'-0" to 16'-0" for unembossed

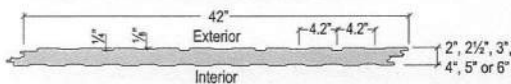
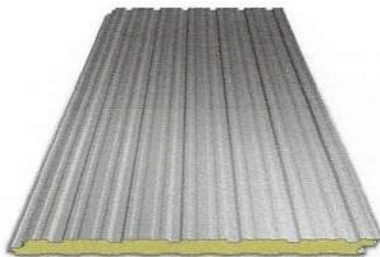
- **Panel Attachment:** Concealed Fastening System
- **Standard Coatings:** Signature® 300, Signature® 300 Metallic
- **Reveal:** Up to 1" reveal options in ¼" increments or up to 3" reveal options in ½" increments



PROJECT: Baker Hughes Research and Technology Center **LOCATION:** Claremore, OK **PANEL PROFILE:** LS-36™ & CF Mesa **COLOR:** Tundra & Limestone

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

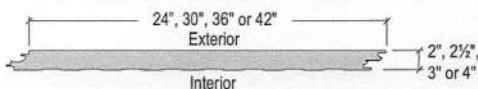
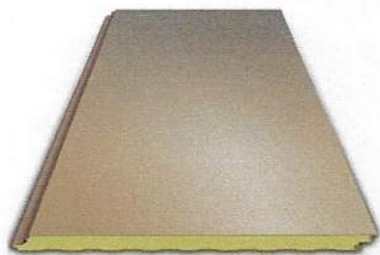
- **Application:** Wall (vertical)
- **Gauges:** Exterior: 26, 24, 22 | Interior: 26 (standard); 24, 22 (optional)
- **Width:** 42"
- **Thicknesses:** 2", 2½", 2¾", 3", 4", 5", 6"

- **Length:** 8'-0" to 32'-0" for horizontal
8'-0" to 52'-0" for vertical
- **Panel Attachment:** Concealed Fastening System
- **Standard Coatings:** Signature® 200, Signature® 300, Signature® 300 Metallic

*Available only from Metl-Span's Nevada Plant

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

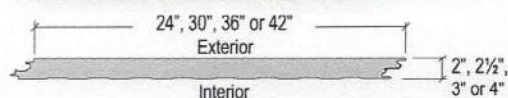
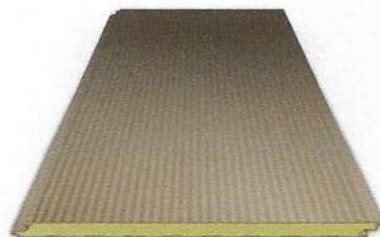
- **Application:** Wall (vertical or horizontal)
- **Gauges:** Exterior: 24, 22 | Interior: 26 (standard); 24, 22 (optional)
- **Widths:** 24", 30", 36", 42"
- **Thicknesses:** 2", 2½", 2¾", 3", 4"

- **Length:**
8'-0" to 32'-0" Santa Fe horizontal unembossed
8'-0" to 40'-0" Santa Fe vertical embossed
- **Panel Attachment:** Concealed Fastening System
- **Standard Coatings:** Signature® 200, Signature® 300, Signature® 300 Metallic, Applied Finishes
- **Reveal:** Up to 3" reveal options in ¼", ½", ¾" and 1" increments

*Available only from Metl-Span's Nevada Plant

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.



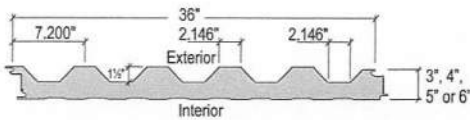
Product Specifications

- **Application:** Wall (vertical or horizontal)
- **Gauges:** Exterior: 24, 22 | Interior: 26 (standard); 24, 22 (optional)
- **Widths:** 24", 30", 36", 42"
- **Thicknesses:** 2", 2½", 2¾", 3", 4"

- **Length:**
8'-0" to 32'-0" horizontal embossed
8'-0" to 16'-0" horizontal unembossed
8'-0" to 40'-0" for 24", 30" and 36" vertical embossed
8'-0" to 32'-0" for 42" vertical embossed
8'-0" to 16'-0" vertical unembossed
- **Panel Attachment:** Concealed Fastening System
- **Standard Coatings:** Signature® 200, Signature® 300, Signature® 300 Metallic, Applied Finishes
- **Reveal:** Up to 1" reveal in ¼" increments

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).

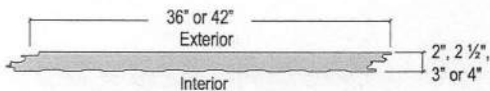


Product Specifications

- **Application:** Wall (vertical or horizontal)
- **Gauges:** Exterior: 26, 24, 22 | Interior: 26, 24, 22
- **Width:** 36"
- **Thicknesses:** 3", 4", 5", 6"
- **Length:** 8'-0" to 32'-0" for horizontal
8'-0" to 40'-0" for vertical
- **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.



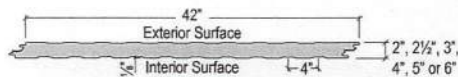
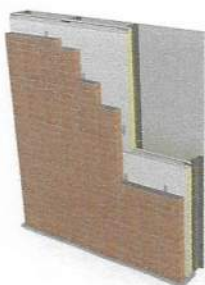
Product Specifications

- **Application:** Wall (vertical and horizontal)
 - **Gauges:** Exterior: 24, 22 | Interior: 26, 24, 22
 - **Widths:** 36", 42"
 - **Thicknesses:** 2", 2½", 3", 4", 5", 6"*
 - **Length:** 8'-0" to 32'-0" for horizontal textured
8'-0" to 40'-0" for vertical textured
 - **Panel Attachment:** Concealed Fastening System
 - **Standard Coatings:** Applied Finishes only
- *5" and 6" CF Tuff-Cast and Tuff Wall available with Mesa, nominal 1/8" deep profile only



PROJECT: Fallon Ambulance LOCATION: Quincey, MA PANEL PROFILE: Striated COLOR: Fallon Blue, Regal Gray, Polar White

HPCI BARRIER™

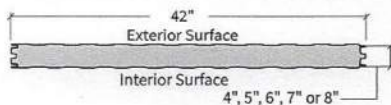


The HPCI Barrier™ insulated metal panel is an air, water, thermal and vapor barrier panel that can be used behind any type of façade. This back-up panel may be installed in a horizontal or vertical orientation completely outside the structural supports. There are no thermal bridges to reduce the energy efficiency of the wall. HPCI Barrier™ is quick and easy to install and provides an economical solution to conventional air, water, thermal and vapor control without sacrificing thermal efficiency. This panel must be separated from the interior of the building by an approved thermal barrier of .5" (12.7 mm) gypsum wallboard to meet IBC requirements.

Product Specifications

- **Application:** Wall (vertical or horizontal)
- **Exterior and Interior Gauges:** 26
- **Width:** 42"
- **Thicknesses:** 2", 2½", 3", 4", 5" and 6"
- **Length:** 8'-0" to 32'-0" horizontal
8'-0" to 52'-0" vertical
- **Insulation Material:** Zero ozone depleting polyurethane
- **Panel Attachment:** Tongue-and-Groove, Concealed Fastener
- **Standard Coating:** Signature® 200 Igloo White (straight polyester)

THERMALSAFE®



The ThermalSafe® panel consists of metal facings bonded to a structural mineral wool core to create a composite panel that achieves fire resistance ratings under the most demanding conditions. Unlike traditional wall materials, ThermalSafe® offers a level of flexibility architects, contractors and building owners won't find in any other product in the U.S. The mineral wool panel is rated for its one-, two- and three-hour fire resistance qualities and provides satisfactory thermal performance and protection from the elements. The R-value of this panel is 3.61 per inch of insulation.

Fire Resistant Data

- The finished panel in four-inch thickness for one-hour, seven-inch thickness for two-hour and eight-inch thickness for three-hour Fire Resistant ratings for nonbearing walls in accordance with UL 263 Fire Endurance tests and ASTM E119 tests
- For more complete Fire Resistant rating data, including Fire Resistant ratings for pipe penetrations both metallic and non-metallic, ducts and fire door and window assembly design installed in an ThermalSafe® wall, go to www.mbc.com or shop.mbc.com and follow links to Fire Resistant approvals data.
- Wall-framing support members and adjacent construction may require fire protection as specified by applicable building code. The customer is responsible for specifying the appropriate fire protection of these areas.

Features & Benefits

- Resists high temperatures and will not burn because of mineral wool core
- Can be disassembled, moved and reinstalled rather than having to be demolished, waste materials disposed of and the walls completely rebuilt
- Our exclusive integral spline design eliminates labor to install a separate cement board spline at side joint of panels to maintain the fire rating
- Good sound reduction acoustic properties because of mineral wool
- Dimensionally stable, water repellent and will not expand
- Can be combined with other MBCI panels for an aesthetically consistent profile facing, texture and color

Product Specifications

- **Application:** Wall (vertical or horizontal)
- **Gauges:** Exterior: 26, 24 | Interior: 26, 24
- **Width:** 42"
- **Thicknesses:** 3", 4", 5", 6", 7" and 8"
- **Length:** 8'-0" to 40'-0", variable by thickness
- **Panel Attachment:** Exposed Fastening System
- **Standard Coatings:** Signature® 200, Signature® 300, Signature® 300 Metallic