



## UNA-CLAD™ SERIES 2000 Honeycomb Wall Panel System

### DESCRIPTION:

The UNA-CLAD Series 2000 panel system is designed to utilize an aluminum exterior sheet laminated to either aluminum or kraft honeycomb core. The system is mechanically attached with vertical dry-set joint and installed in a sequential pattern. A variety of material and finish options are available. The Series 2000 panels are fabricated using conventional press brake methods and laminated on vacuum press. Honeycomb wall panels have superior flatness and span capabilities.

### METHOD OF APPLICATION:

1. Attachment of panels to a system of subgirts or direct attachment to a smooth, solid substrate of plywood is recommended for the Series 2000 panel.
2. Application of a Firestone approved weather resistant barrier prior to panel installation is recommended.
3. Installation through continuous tongue and groove panel flanges allows for simple sequential panel installation.
4. Panels are to be installed sequentially.

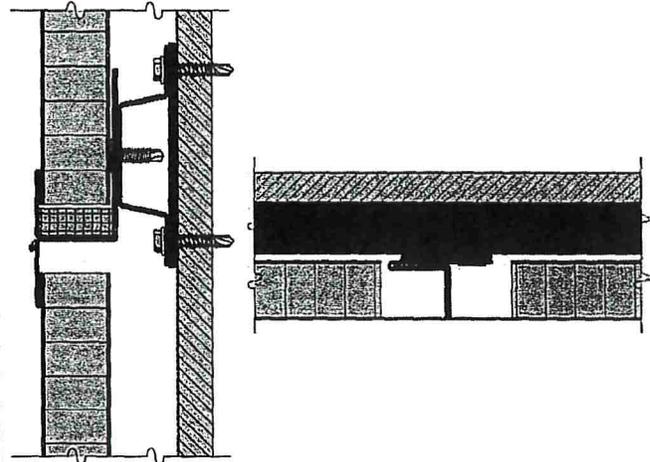
Note: Follow approved shop drawing installation details.

### STORAGE:

1. Stored in a well ventilated, dry place where no moisture can contact the panels. Moisture (from rain, snow, condensation, etc.) trapped between layers of material may cause water stains or white rust, which can affect the service life of the material and will detract from its appearance.
2. If outdoor storage cannot be avoided, protect the panels with a ventilated canvas or waterproof paper cover. Do not use plastic, which can cause condensation. Keep the material off the ground in an inclined position with an insulator such as wood, or keep panels crated. Protective film may degrade or become brittle with exposure to direct sunlight.

### PRECAUTIONS:

1. Oil canning is not a cause for rejection.
2. Exercise caution when lifting, moving, transporting, storing or handling Firestone metal to avoid possible physical damage.
3. Immediately remove protective film after installation.



### PRODUCT DATA

<b>Panel Type:</b>	Honeycomb Wall Panel
<b>Material Options:</b>	1" panel is standard material thickness with options available from 1" to 3"
<b>Color:</b>	Thirty-one (31) standard UNA-CLAD colors available (Ask for Color Chart or actual metal samples)
<b>Finish:</b>	Kynar 500@/Hylar 5000™ high performance fluorocarbon resinous coatings
<b>Optional Finish:</b>	Anodized & Natural Metals
<b>Sealant:</b>	Vertical joint and perimeter joint sealant Dow 756 with primer or Momentive SCS2000 with primer
<b>Clip:</b>	n/a (integral mounting flange)
<b>Substrate:</b>	Subgirt System or Plywood
<b>Standard Panel Surface:</b>	Smooth
<b>Optional Panel Surface:</b>	Embossed

### PANEL SIZE

<b>Max Panel Width:</b>	42" (1,066.8 mm)*
<b>Min. Panel Width:</b>	8" (203.2 mm)
<b>Max Panel Length:</b>	192" (4,876.8 mm)
<b>Min. Panel Length:</b>	8" (203.2 mm)

\*Max panel width of 54" available on larger runs of custom colors and select FSMP standard colors.

# TECHNICAL INFORMATION SHEET

2011  
05/15/11



**Manufacturing Facilities:** Anoka, MN

## UNA-CLAD™ SERIES 2000 Honeycomb Wall Panel System

### TECHNICAL INFORMATION

<b>Surface Burning Characteristics of Building Materials:</b>	ASTM E84-87
<b>Air Infiltration:</b>	ASTM E283
<b>Water Penetration:</b>	ASTM E331
<b>Structural Performance:</b>	ASTM E330
<b>Dynamic Water Penetration:</b>	AAMA 501

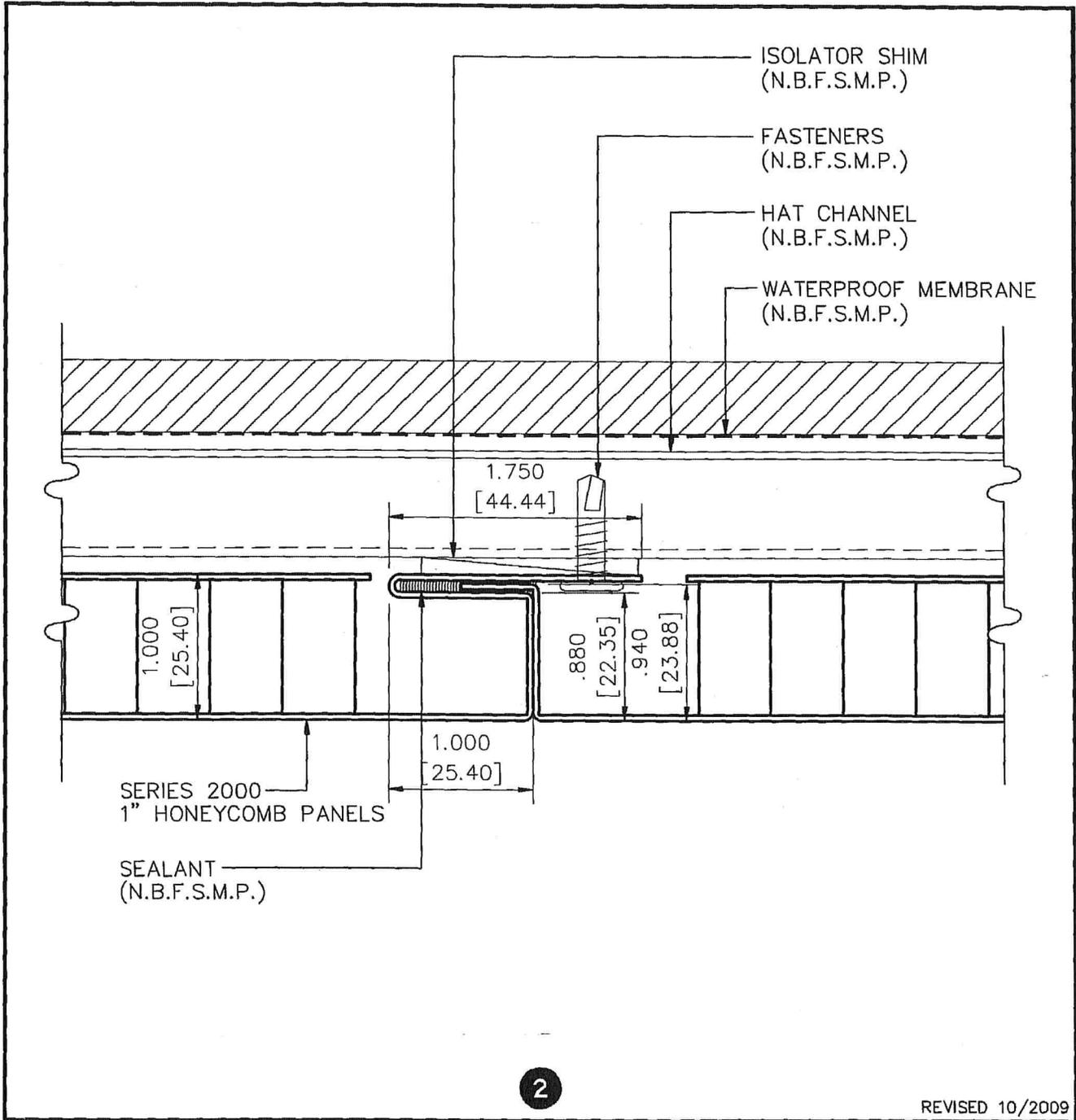
**Finish Testing Available:**  
Contact FSMP for Technical Information Sheets on Finishes

\*Testing not applicable for all substrates, materials, and dimensions. All systems with test listings must be installed in accordance with assembly tested.

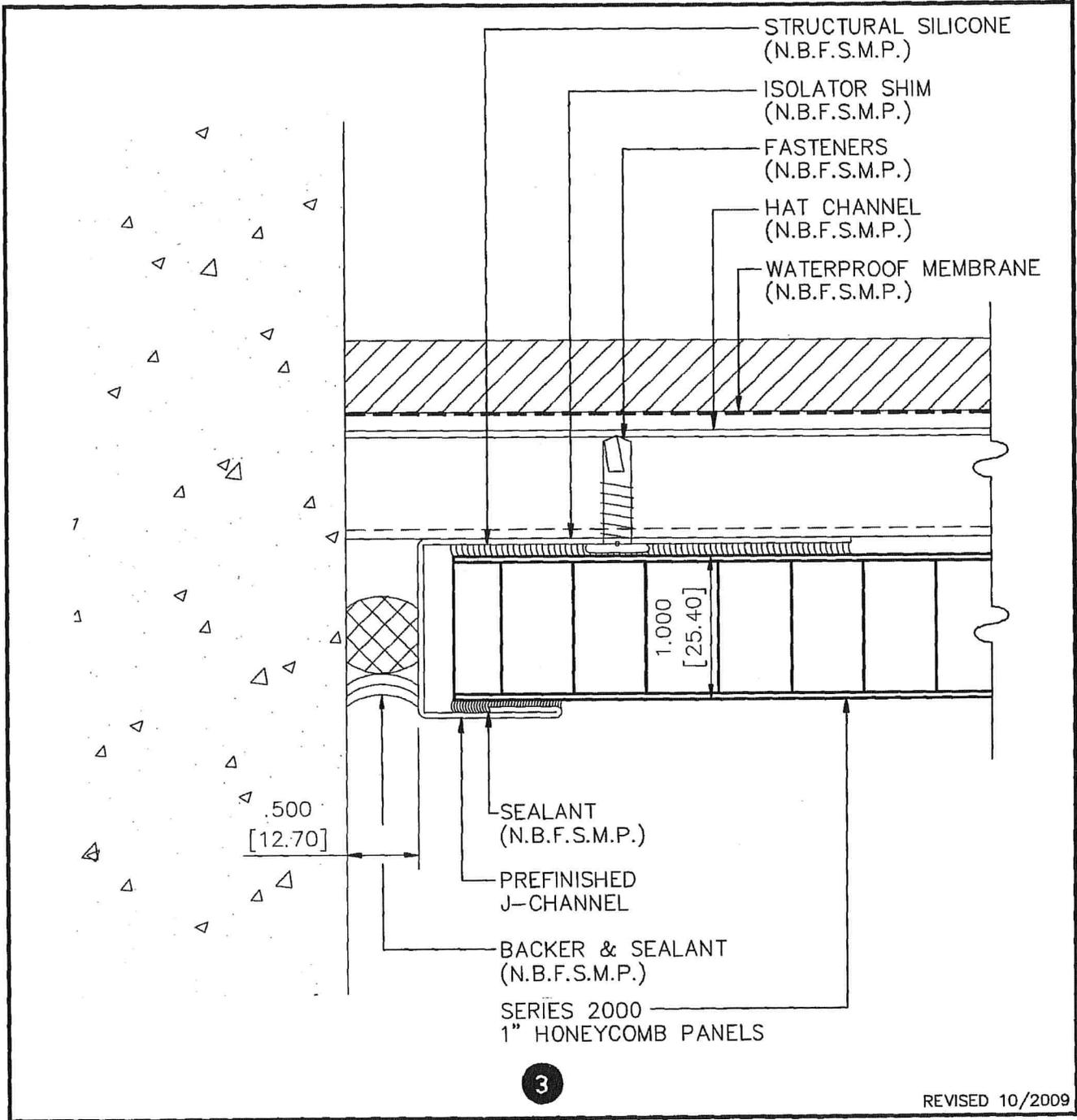
This sheet is meant only to highlight Firestone's products and specifications. Information subject to change without notice. Firestone takes responsibility for furnishing quality materials, which meet Firestone's published product specification. As neither Firestone itself nor its representatives practice architecture, Firestone offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure on which its products may be applied. If questions arise as to the soundness of a structure, or its ability to support a planned installation properly, the Owner should obtain opinions of competent structural engineers before proceeding. Firestone accepts no liability for any structural failure or for resultant damages, and no Firestone representative is authorized to vary the disclaimer.

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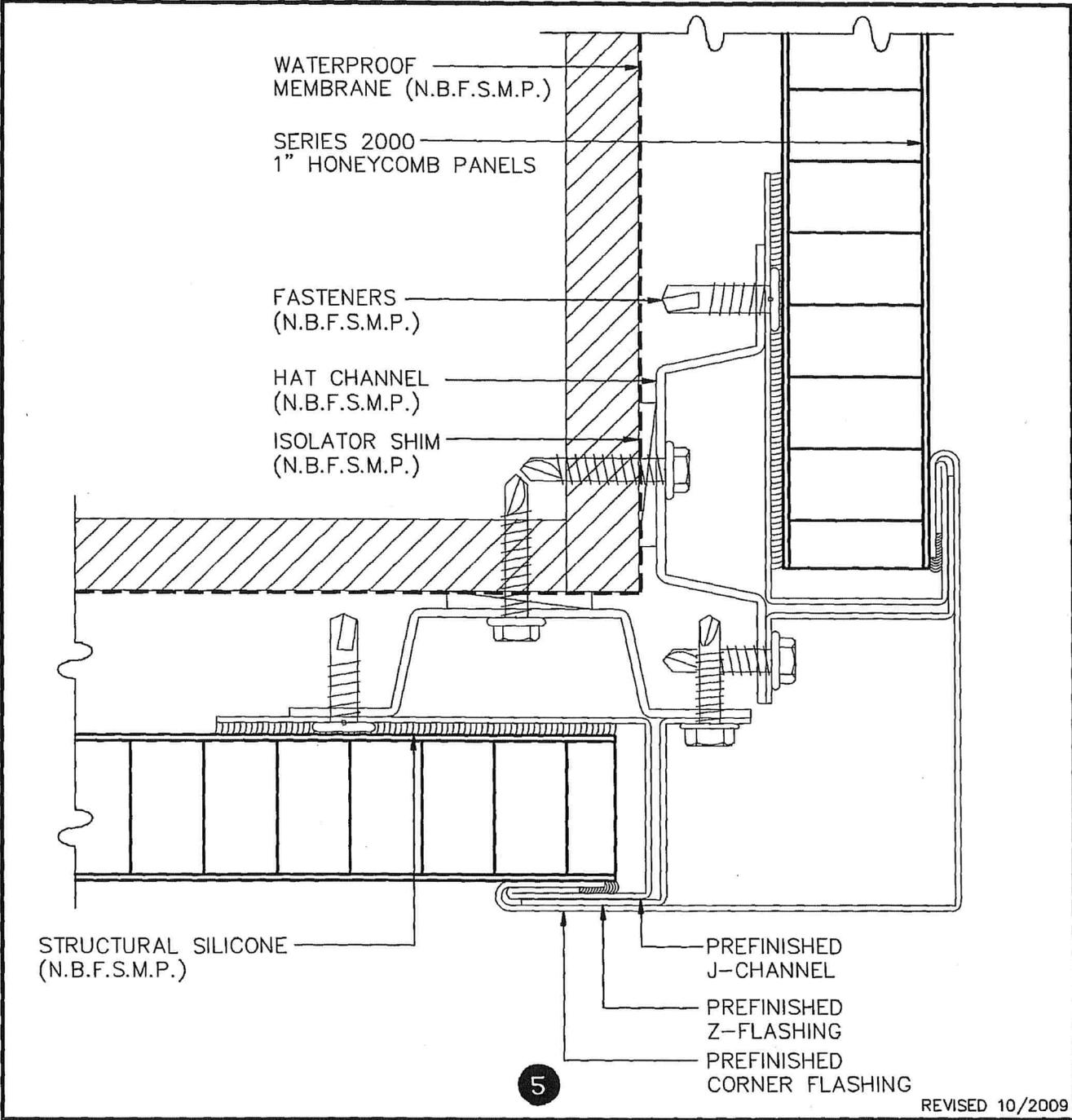
**SERIES 2000 - FASTENING JOINT DETAIL S2000-02**



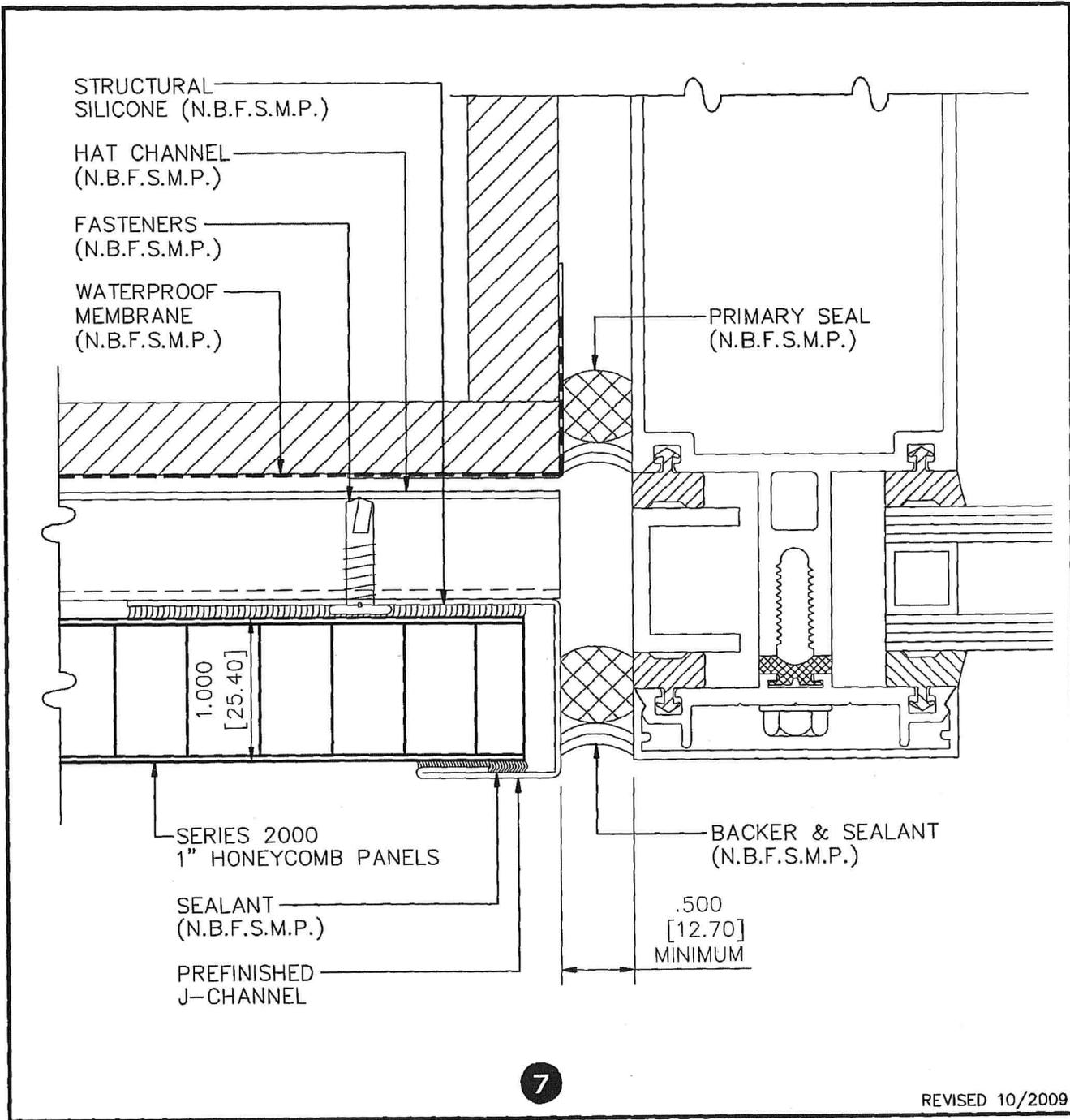
**SERIES 2000 - INSIDE CORNER DETAIL S2000-03**



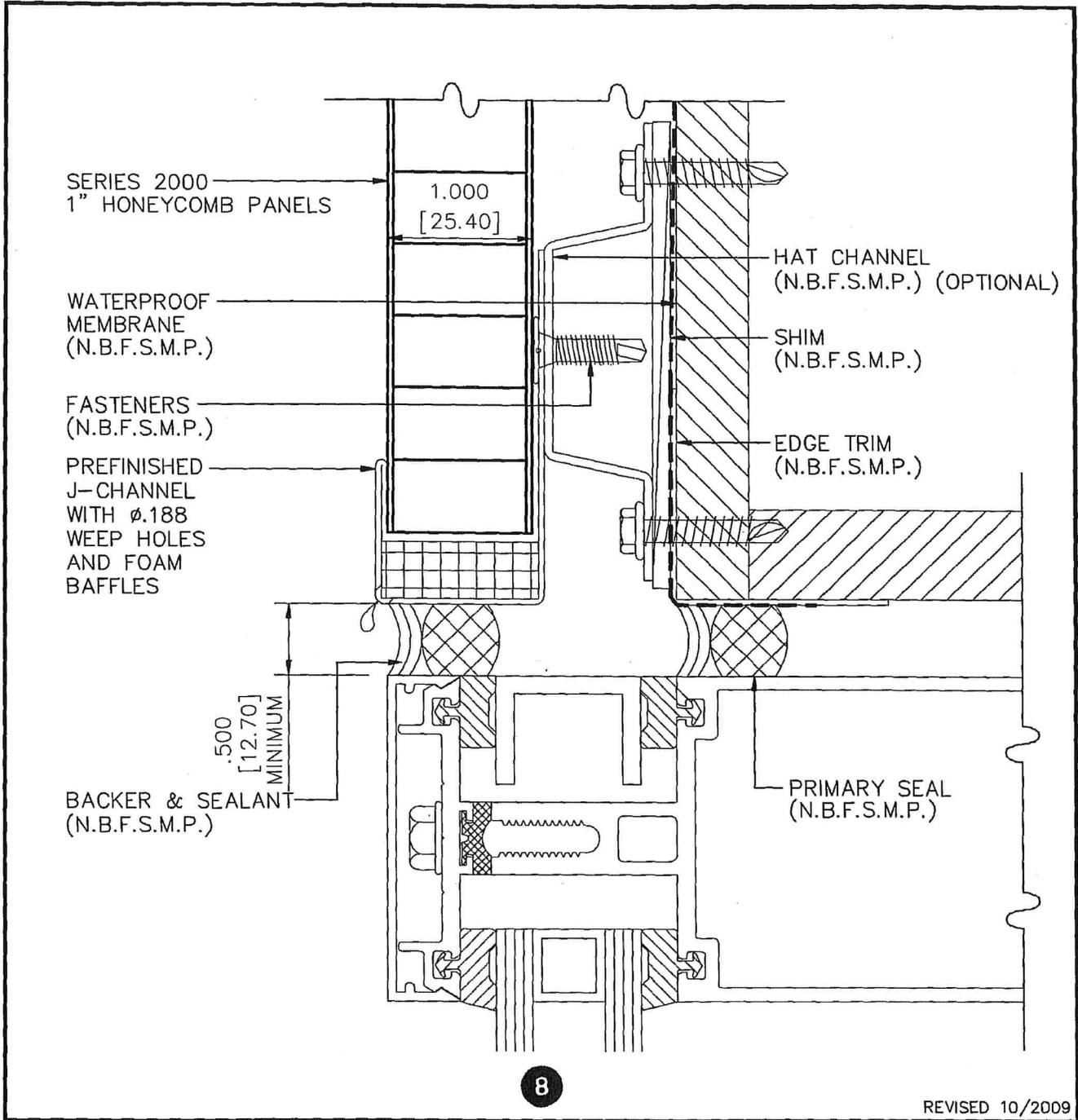
**SERIES 2000 - OUTSIDE CORNER DETAIL S2000-05**



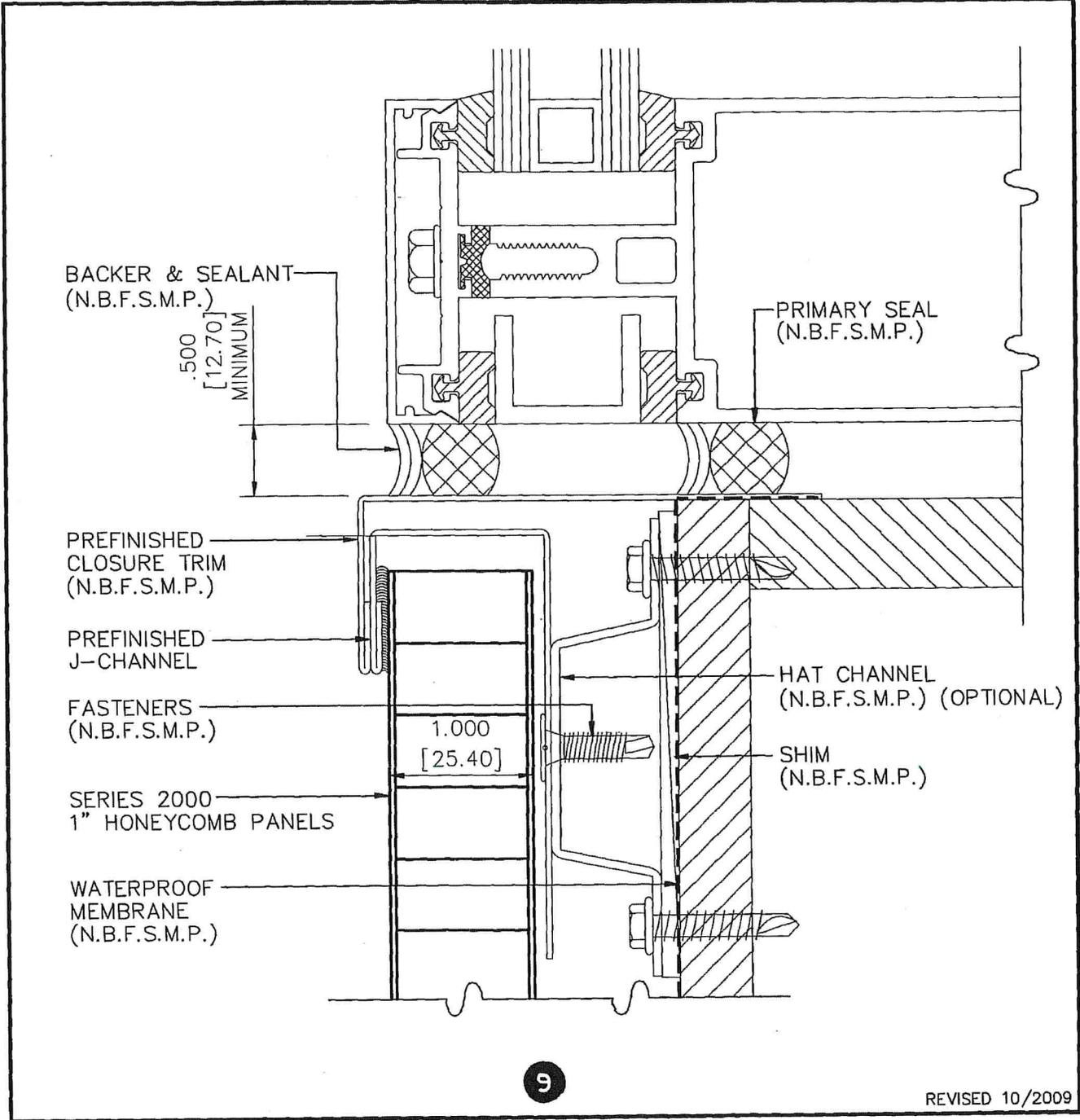
**SERIES 2000 - WINDOW JAMB DETAIL S2000-07**



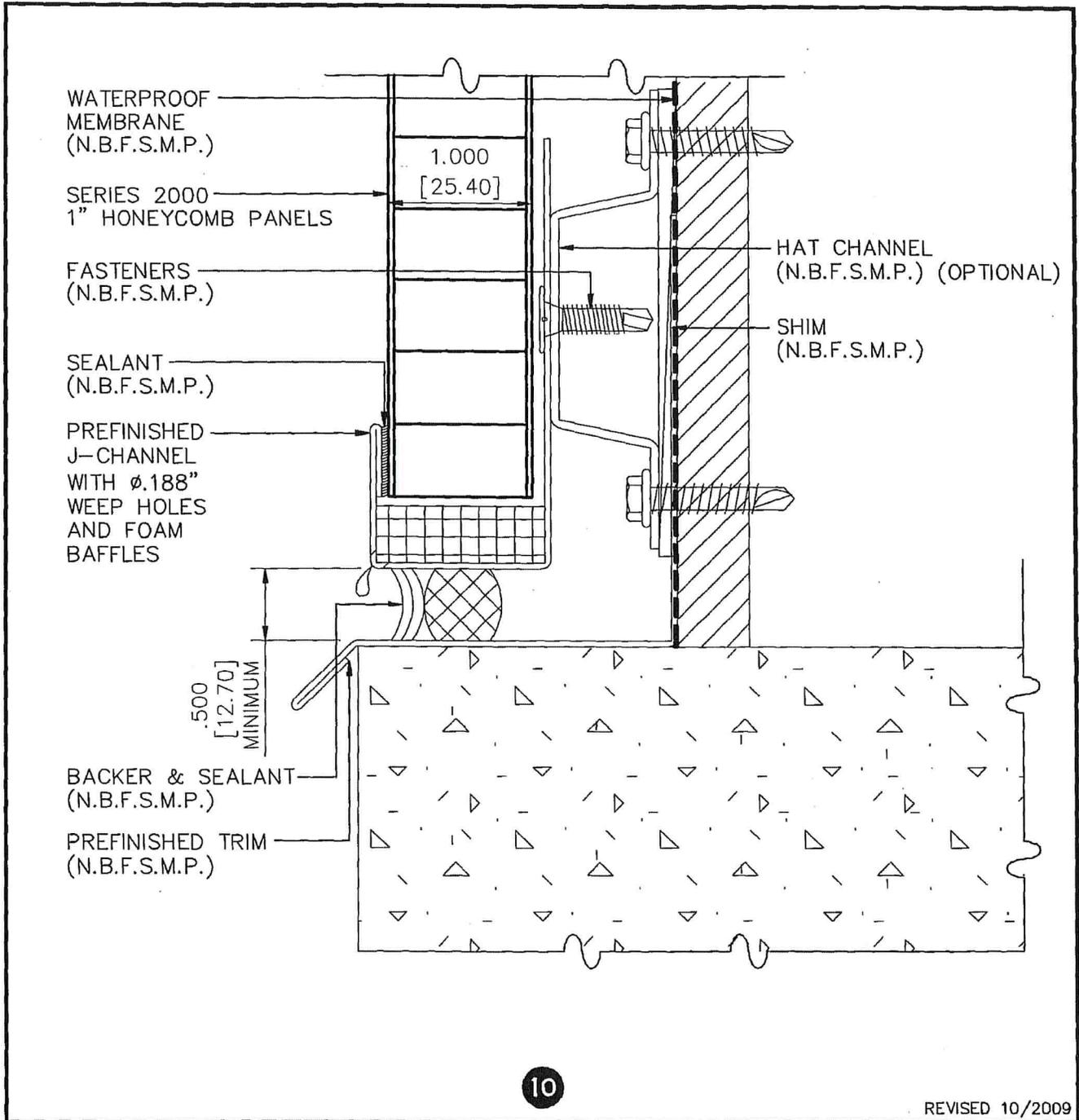
**SERIES 2000 - WINDOW HEAD DETAIL S2000-08**



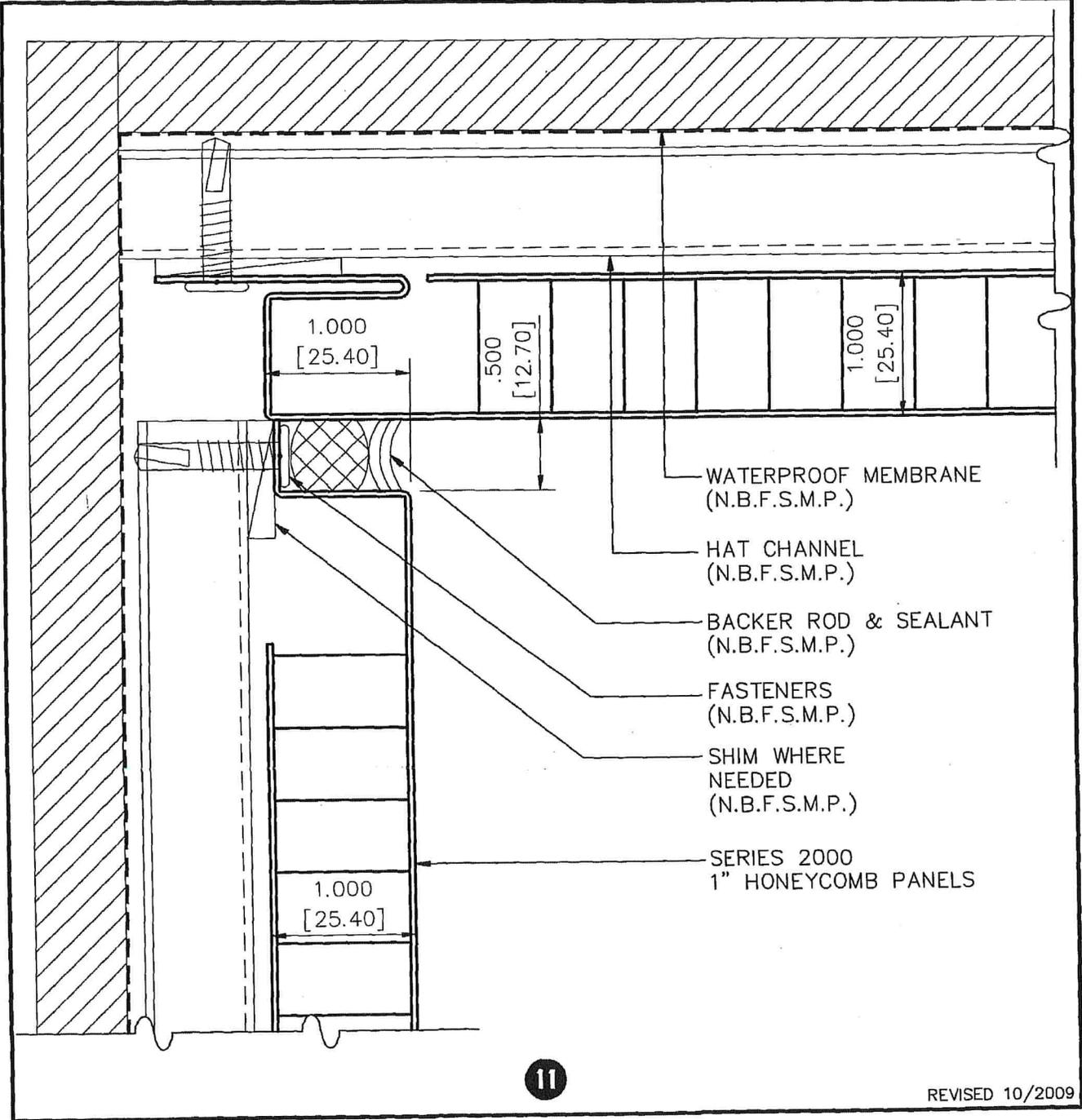
**SERIES 2000 - WINDOW SILL DETAIL S2000-09**



**SERIES 2000 - BASE DETAIL** **S2000-10**



**SERIES 2000 - INSIDE CORNER DETAIL S2000-11**





1-800-426-7737 WWW.UNACLAD.COM

## Series 2000 UNA-CLAD Panel

### DESCRIPTION

Aluminum or stainless steel skins laminated to aluminum or kraft paper honeycomb core material. System is mechanically attached with vertical dry-set joint and installed in a sequential pattern.

### FEATURES

- exceptional flatness
- excellent deflection resistance
- very lightweight
- special reveals available
- panels are designed for vertical orientation only
- hairline vertical joint with optional integral factory-applied joint sealant

### MATERIAL OPTIONS

- coil-coated aluminum skins (.040)
- coil-anodized aluminum skins
- post-painted aluminum skins (short run, custom colors)
- stainless steel skins (kraft paper core only)
- panel thickness 1 inch

### FINISH OPTIONS

- Kynar 500®/Hylar 5000® high performance fluorocarbon resinous coatings
- coil anodized
- batch anodized
- stainless steel with #4 brushed-satin and #8 mirror-polished finish
- special coatings

### LIMITATIONS

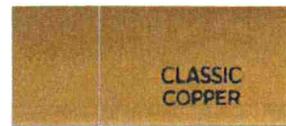
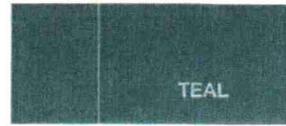
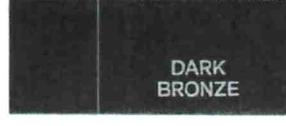
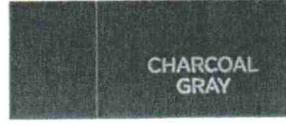
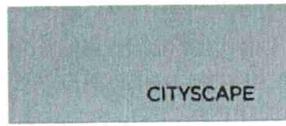
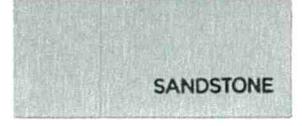
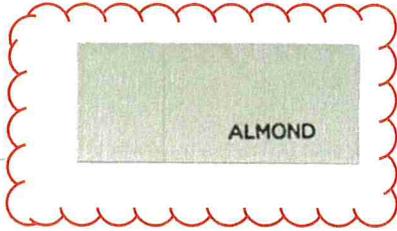
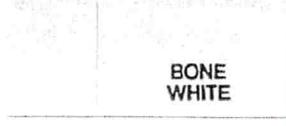
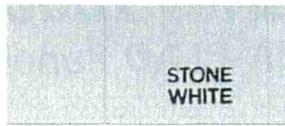
- panels cannot be radiused
- panel length maximum of 12'-0" (144")
- panel width maximum of 54" (based upon coil availability)

# Firestone

BUILDING PRODUCTS

NOBODY COVERS YOU BETTER™

## COLOR SELECTION GUIDE



Colors shown are as close to actual colors as allowed by the printing process. Contact your local sales rep for actual metal samples.

# UNA-CLAD

## METAL ROOFING SYSTEMS COLOR AVAILABILITY

PVDF FINISH	R	E	SRI	STEEL <sup>1</sup>			STEEL <sup>2</sup>	ALUMINUM			
				26	24	22	24	.032	.040	.050	.063
Almond ◊◊	0.57	0.86	67		◆	◆		◆	◆	◆	
Bone White ◊◊	0.72	0.84	87	◆	◆	◆	◆	◆	◆	◆	◆
Brandywine ◊	0.25	0.85	23		◆	◆		◆			
Charcoal Gray ◊◊	0.29	0.84	28	◆	◆	◆	◆	◆			
Cityscape ◊◊	0.35	0.85	37	◆	◆	◆		◆	◆	◆	
Colonial Red ◊◊	0.31	0.84	31	◆	◆		◆	◆	◆		
Dark Bronze ◊	0.26	0.84	24	◆	◆	◆	◆	◆	◆	◆	◆
Dark Ivy ◊	0.25	0.83	22	◆	◆						
Extra Dark Bronze	0.06	0.87	0		◆			◆	◆	◆	
Hartford Green	0.10	0.82	2	◆	◆		◆	◆	◆		
Hemlock Green ◊◊	0.32	0.86	33	◆	◆			◆	◆	◆	
Mansard Brown ◊◊	0.30	0.85	30	◆	◆	◆	◆	◆	◆	◆	
Matte Black ◊◊	0.25	0.86	24	◆	◆	◆		◆	◆	◆	
Medium Bronze ◊◊	0.30	0.87	31	◆	◆	◆	◆	◆	◆	◆	◆
Patina Green ◊◊	0.26	0.86	25		◆			◆			
Regal Blue	0.16	0.86	12		◆			◆			
Regal Red ◊◊	0.42	0.84	46	◆	◆			◆	◆	◆	
Sandstone ◊◊	0.51	0.85	58		◆	◆	◆	◆	◆	◆	◆
Sherwood Green ◊◊	0.27	0.85	26	◆	◆		◆	◆			
Sierra Tan ◊	0.35	0.86	37	◆	◆	◆	◆	◆	◆	◆	
Sky Blue ◊◊	0.29	0.85	29		◆			◆			
Slate Gray ◊◊	0.36	0.86	38	◆	◆	◆	◆	◆	◆	◆	
Stone White ◊◊	0.57	0.86	67	◆	◆	◆	◆	◆	◆	◆	
Teal	0.13	0.85	7		◆	◆					
Terra Cotta ◊◊	0.34	0.87	36		◆			◆	◆		
Tropical Patina ◊	0.28	0.85	27		◆						
Award Blue ★	0.15	0.84	9		◆						
Electric Blue ★	0.20	0.84	16		◆			◆			
Champagne Metallic ◊★	0.37	0.83	38		◆	◆		◆			
Classic Copper ◊◊★	0.42	0.86	46		◆			◆			
Silver Metallic ◊◊★	0.59	0.77	67		◆	◆		◆	◆	◆	

**New 35-Year Warranty available for all finishes**

**LEGEND**

**Steel Types:**

- <sup>1</sup>G-90 Galvanized Steel
- <sup>2</sup>AZ-50 Galvalume<sup>®</sup> Steel

**Cool Roofing Information:**

- R** - Initial Solar Reflectance
- E** - Initial Emissivity
- SRI** - Solar Reflective Index

- ◊ - Energy Star<sup>®</sup> qualified products
- ◊◊ - CRRC -listed finish
- ★ - Premium Color

**NOTES**

- All paint finishes are high quality PVDF (Kynar 500<sup>®</sup> / Hylar 5000<sup>®</sup>) colors.
- Custom colors are available.
- Copper, zinc, stainless steel, anodized and mill finish aluminum are also available.
- Protective film must be removed immediately after installation.

**PLANT LOCATIONS**

- Minnesota
- Georgia
- Mississippi
- Pennsylvania
- Nevada
- Michigan

Galvalume<sup>®</sup> is a registered trademark of BIEC International, Inc.

Kynar 500<sup>®</sup> is a registered trademark of Arkema, Inc.

Hylar 5000<sup>®</sup> is a registered trademark of Solvay Solexis, Inc.

Contact your local sales representative for specific stocking information. Not all colors and gauges are stocked in all locations. Due to product improvements, changes and other factors, we reserve the right to change or delete information herein without prior notice.



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