



P. O. Box 397
Fortson, GA 31808
800-755-0825
Technical 800-760-2861
masterwall.com

Submittal Package

Project:

Location:

Architect:

General Contractor:

Applicator:

Benefits of Master Wall®

- American owned and privately managed, our focus is the customer
- Serving customers since 1987
- Quality products featuring 100% pure acrylic polymers
- Dedicated to the EIFS & Stucco Markets, it's *what* we do, not part of what our company does
- Experienced Staff—100+ years of experience
- Service—we provide it!
 - Job site visits
 - Color matching
 - Architectural Support
 - Samples
 - Plan, detail and technical reviews
- Dedicated to a culture of excellence

excellence

Included in Submittal:

- **System Data Sheets**
- **Product Data Sheets**
- **Specifications**
- **Details**
- **Sample Warranty**



We finish strong.



Magnum® Board Coatings

09 93 63

Direct Applied Exterior Finish System

Features & Benefits

- Easily Applied
- Durable Surfacing System
- Impact Resistant
- May be used with drainage mats
- Foam trim easily added

System Use

- Commercial
- Residential

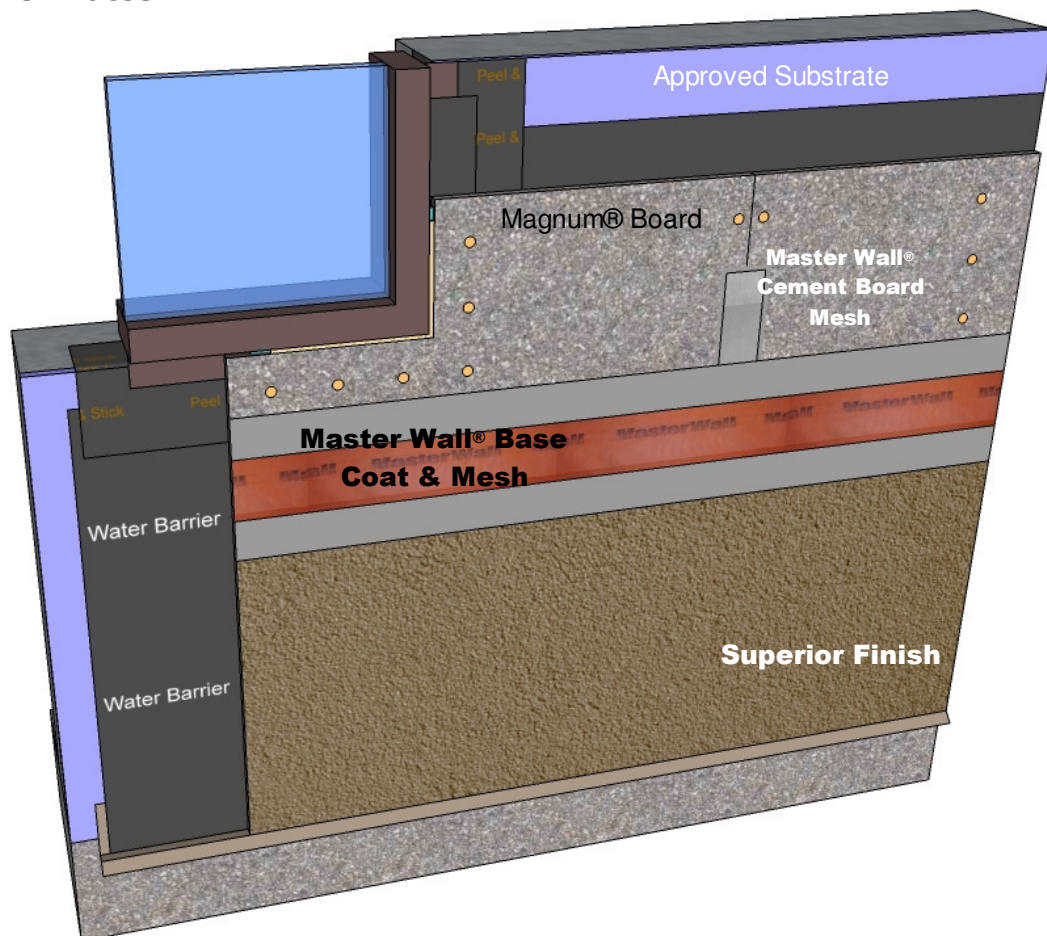
Attachment Method

- Mechanical

Magnum® Board Coatings are applied over a high strength, durable Magnum® Board. The application provides high impact and weather resistance where exterior insulation value is not required.

The Magnum® Board installs easily over approved framing and substrates using one of two methods:

- Over an approved structural sheathing in conditioned northern or southern climates.
- Directly to structurally-controlled framing in southern climates (below 4000 Heating Degree Days) or unconditioned northern climates.



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Magnum® Board Coatings

Short Form Specification

1.0 General

This is a short form specification. Refer to Magnum® Board Coatings specifications and details for additional information.

1.1 System Description

The Master Wall® Magnum® Board Coatings consists of a reinforced base coat and textured finish applied over a Magnum® Board substrate.

1.2 Design Requirements:

- A. Reference Master Wall Inc.® suggested details and architectural drawings for specific detail requirements.
- B. Magnum® Board Coatings installed below the 4000 heating degree day line and unconditioned installations in northern climates may be applied directly to the framing/weather-resistive barrier.
- C. Slope all trim bands and surfaces a minimum of 1:2 (6" in 12") to shed water, maximum 12" (305mm) wide.
- D. Maximum deflection of substrates and framing shall not exceed L/360.
- E. Typical acceptable sheathings for structural or fire resistance include Dens Glass Gold® (ASTM C1177), FiberRock® or exterior gypsum sheathing (ASTM C1396).
- F. A code-approved weather-resistive barrier is required over the framing or sheathing and before Magnum® Board application.
- G. Expansion joints are required at building expansion joints, panel joints, floor lines in wood framed construction, and other areas where significant movement occurs.
- H. Control joints are required to be located by the designer. Reference Master Wall® specifications for specific recommendations.
- I. Detail and install any trim accessories according to the approved trim manufacturer's requirements (Plastic Components, Vinyl Corp. or approved equal).

1.3 Limitations:

- A. Cracking due to dimensional stress at board joints may appear in the finished exterior surface if control joints are not properly located for the regional climate conditions and structural movement. Cracking is not a warranty defect.
- B. Planar irregularities in framing may be more visible than with other applications.
- C. A secondary weather-resistive barrier is required under the Magnum® Board.
- D. Cement board manufacturer should be consulted for structural requirements.
- E. Depending upon framing and climate, some read-through of framing and/or fasteners may occur.
- F. Applications are limited to residential and low-rise commercial installations.

1.4 Quality Assurance

- A. Coatings shall be tested for: Accelerated weathering, mildew resistance, salt spray resistance and structural performance.
- B. Coatings shall have been tested for fire performance in accordance with ASTM E84.

1.5 Job Conditions

- A. Store all materials protected from weather and direct sunlight at temperatures above 40°F (5°C).
- B. The ambient and wall temperature shall be a minimum of 40°F (5°C) and shall remain so for at least 24 hours after installation.

2.0 Products

All components of the Magnum® Board Coatings shall be manufactured by Master Wall Inc.® and supplied by an authorized distributor.

- A. Master Wall Base Coats:
 1. F&M Plus: A high-build 100% pure acrylic-based fiber reinforced adhesive that is field mixed with Portland cement.
 2. MBB Plus: A ready to use dry base that is field mixed with water.
- B. Aggre-flex Mesh: Standard Mesh.
- C. Master Wall® Magnum® Board Mesh: Self adhesive lightweight mesh
- D. Superior Finish: 100% pure acrylic formulation with integral color and texture. Perfect Swirl 2.0, Fine Sand 1.0, Medium Sand 1.5, Versatex 0.5 textures.
- E. Master Wall Coatings:
 1. Primecoat/Sanded Primecoat: A water-based primer.
 2. Roller-flex: A water-based architectural finish coating.

3.0 Installation

- A. Inspect the Magnum® Board to ensure that it is free of all foreign materials that would affect the adhesion of Master Wall Inc. products.
- B. Apply the products in strict accordance with Master Wall® specifications, product data sheets, architectural drawings and architectural specifications.

We finish strong.

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Superior Finishes

Textured Acrylic Finish

Systems

Aggre-flex EIFS
Aggre-flex Drainage EIFS
Commercial Drainage EIFS
Cemplaster Fiberstucco
Finishes over stucco
ICF Coatings
QRW1 Drainage EIFS
Rollershield Drainage EIFS
Soffit System
Stucco Cement Board Coatings
Trowelshield Drainage EIFS
Uninsulated Finishes

VOC: <1% by Weight

VOC: 1.4 g/l

Manufacture Locations:

30058 • 77474 • 84651

Recycled Content: 0%

Packaging: 5 gallon (19L) pail

Pail Weight:

Perfect Swirl 2.0 Perfect,
Medium Sand 1.5 Desert Sand
70 lbs (32 kg)

Fine Sand 1.0 Spray
67 lbs (30.3 kg)

Versatex 0.5 Refinish
65 lbs (29.5 kg)

Shelf Life: 2 years

Coverage (estimated)

Perfect Swirl 2.0 Perfect
120-150 sf/pail (11-14 sm)

Fine Sand 1.0 Spray
160-170 sf/pail (15-15.8 sm)

Medium Sand 1.5 Desert Sand
130-150 sf/pail (12-14 sm)

Versatex 0.5 Refinish
Varies with Texture

new product name/old product name

To **finish** strong you need a Superior Finish. Master Wall finishes have one of the highest 100% acrylic polymer contents in our industry. This translates to extra durability, lower life-cycle maintenance and a longer lasting finish.

- **Dirt Pickup Resistant (DPR) Polymers**
- **Quartz or Marble aggregate available**
- **64 Standard Colors**
- **Custom color matching available**



Product Test Standards

ASTM B117, ASTM E84, ASTM E108, ASTM C67, ASTM D968, ASTM D2247/
E2570, ASTM D3273, ASTM D5420, ASTM E 96, ASTM E2485/2570 (formerly
EIMA 101.01), ASTM G23/G154/G155, ASTM G53

More Information



Superior Finishes

PO Box 397

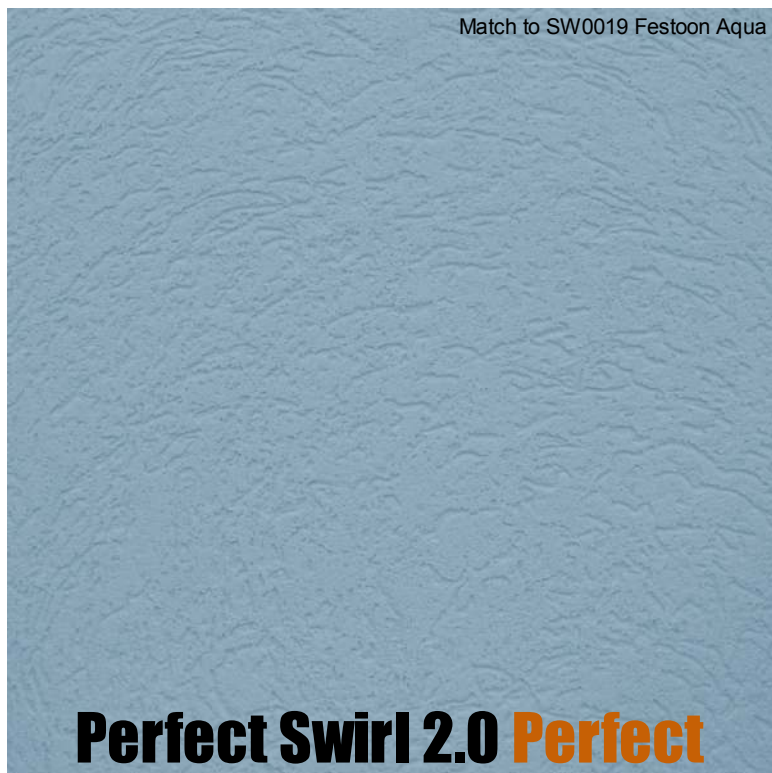
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Superior Finishes

Textured Acrylic Finish



Match to SW0019 Festoon Aqua

Perfect Swirl 2.0 Perfect

new product name/old product name

Finish Options

Superior Elastomeric Plus



Bridges hairline cracks common in stucco

Silicone Coat Additive



Keeps buildings cleaner

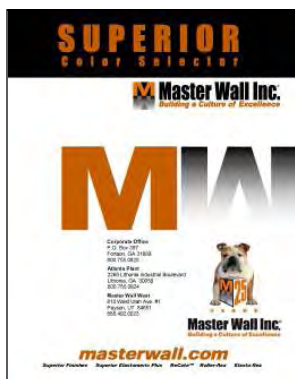
Excel Mildew Additive



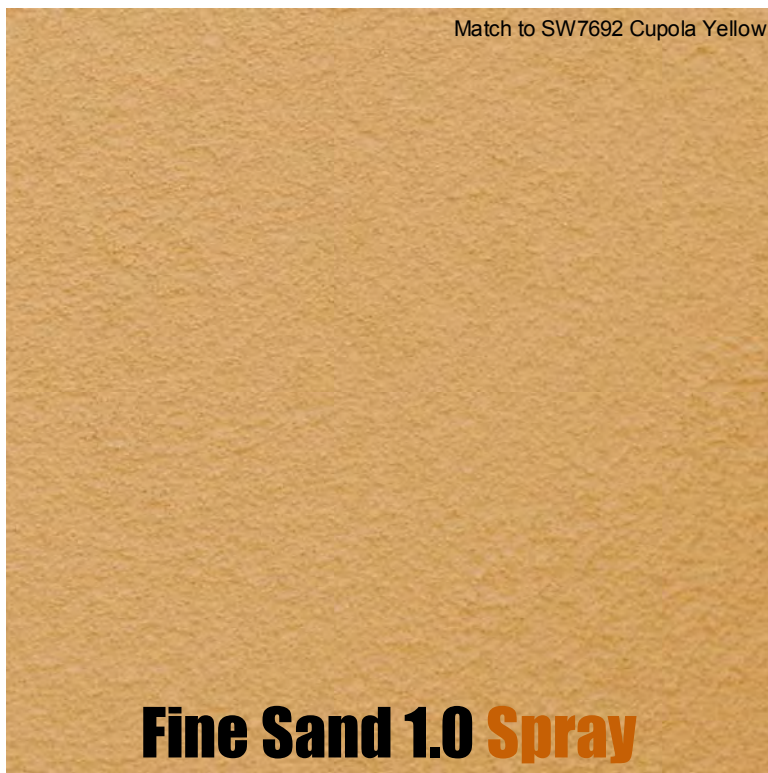
Excels at Mildew Protection

Color Chart

64 Standard Colors



Custom Colors Available



Match to SW7692 Cupola Yellow

Fine Sand 1.0 Spray

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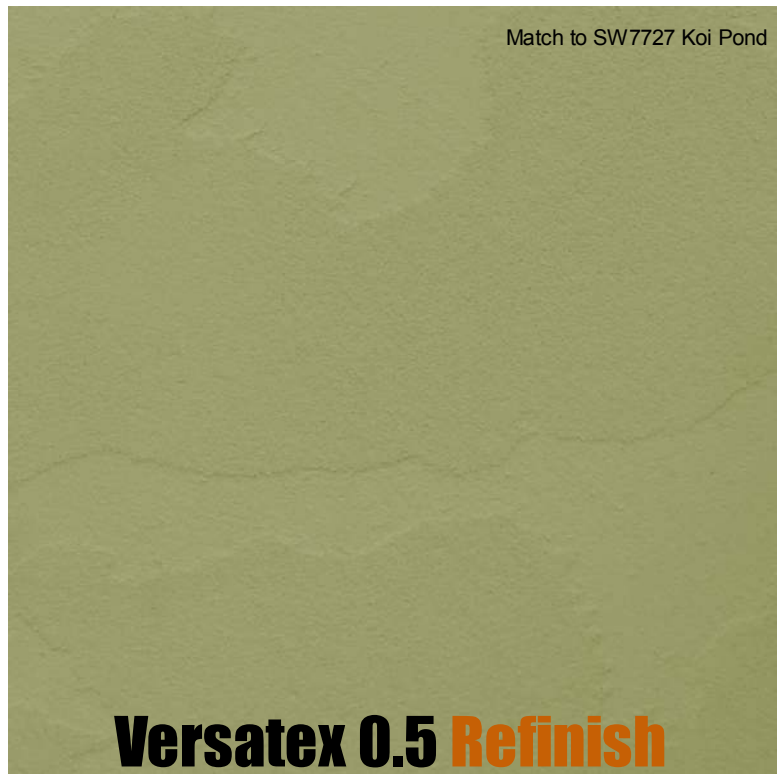
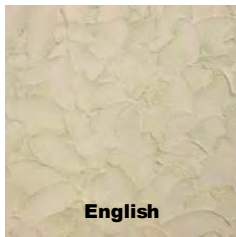
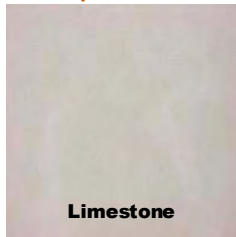
Superior Finishes

Textured Acrylic Finish



new product name/old product name

Versatex Texture Options



new product name/old product name

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Superior Finishes

Textured Acrylic Finish

Temp: 40°-110°F (5°-43°C) • Working Time: 1/4 hr • Set Time: 8-12 hrs • Dry Time: 48-72 hrs
at room temperature: working and drying time will vary with temperature, humidity and high pigment levels

Application Procedure

Job Conditions - Air and substrate temperature for application of Superior Finishes must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. High temperatures will reduce working times, Low temperatures and/or high humidity and pigment loading will extend working, set and dry times.

Preparation - The substrate must be approved by Master Wall Inc.[®], clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed. Concrete and surfaces should cure for a minimum of 28 days. Stucco should be cured until clean, dry and hard—typically 14 days with a pH of 10 or less.

Interior drywall should be finished and made ready for paint. Prime surfaces with Primecoat/Sanded Primecoat primer prior to finishing.

Base Coats - Must be flat, dry hard, and free of efflorescence. Master Wall[®] base coats must cure a minimum of 12 hours before application of Superior Finish. Substrates of brick, masonry or concrete should be leveled smooth using either Master Wall[®] base coats or stucco.

Mixing - Thoroughly stir Superior Finish using a heavy duty 1/2" drill at 400 - 500 rpm and a heavy duty mixing paddle. Small amounts of clean, potable water may be added to obtain a workable consistency. To avoid color variations, add the same amount of water to each pail. Do not exceed 24 ounces (0.7L) of water per pail of finish.

Application — Apply a uniform thickness (about 1/16") of Superior Finish to the substrate using a stainless steel trowel. Spread evenly and then scrape the finish coat down to a thickness no greater than the largest aggregate in the material. Immediately float the finish coat using a plastic float to the desired texture. Always maintain a wet edge to achieve uniformity of texture and color. Allow the finish to fully dry and set before exposure to inclement weather.

For Professional Results

Apply finish coats away from direct sunlight. Cold joints or color variations can occur if the finish dries too quickly.

Priming stucco surfaces with Primecoat/Sanded Primecoat evens out finish absorption and should be strongly considered for dark colored finishes to avoid efflorescence blush. Under certain conditions dark colors may show efflorescence on the surface during the cure process.

Surfaces exposed to the weather must be sloped (6:12 minimum).

Approved Substrates

- Master Wall Base Coats
- Stucco
- Prepared & Base Coated
- Surfaces of:
- Brick
- Concrete
- Masonry
- Others approved in writing

Use of dark colors in high temperature climates can affect the performance of the system, especially EIFS and areas may need to be limited.

Finishes are intended for the approved substrates listed above and should not be applied directly to gypsum board or insulation board products.

Clean Up—Tools and equipment can be cleaned with soapy water while the Superior Finish is still wet.

Apply finish with a stainless steel trowel and draw down to the smallest aggregate



Float with a plastic float in a circular pattern



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F&M Adhesive & Base Coat

Systems

Aggre-flex EIFS
Aggre-flex Drainage EIFS
Commercial Drainage EIFS
Cemplaster Fiberstucco
ICF Coatings
QRW1 Drainage EIFS
Rollershield Drainage EIFS
Soffit System
Stucco Cement Board Coatings
Trowelshield Drainage EIFS
Uninsulated Finishes

VOC: <1% by Weight

VOC: 0.9 g/l

Manufacture Locations:

30058 • 77474 • 84651

**Packaging: 5 gallon (19L)
pail**

Pail Weight: 60 lbs (27 kg)

Shelf Life: 2 years

Coverage (estimated)

**Adhesive & Standard Base
Coat: 120 sf (11 sm)**

**Embedding Single-layer of
Mesh: 240-280 sf (22-26 sm)**

**Double Layer of Mesh: 80-230
sf (7.5-21 sm)**

**Notched Trowel Adhesive
Application: 135 sf (12.5 sm)**

**Foam & Mesh
Adhesive (F&M) is
a 100% acrylic
formulated high
performance base
coat and adhesive**



**used in Master Wall Systems or over
prepared substrates including brick,
masonry, concrete and stucco.**

- **Adheres insulation board to approved substrates**
- **Excellent water resistance**
- **Mixes 1:1 with Portland cement to a creamy consistency**
- **Base coat for Aggre-flex Mesh**

Product Test Standards

ASTM C67, ASTM C297, ASTM D897, ASTM D2247, ASTM E2489/EIMA 101.86, ASTM D5420, ASTM E96, ASTM E330, ASTM E331, ASTM E2273, ASTM E2485, ASTM E84, IBC 1403, NFPA 268



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F&M Adhesive & Base Coat

Temp: 40°-110°F (5°-43°C) • Working Time: 1 hr • Dry Time: 12 hrs
at room temperature, working and drying time will vary with temperature and humidity

Application Procedure

Job Conditions - Air and substrate temperature for application of F&M must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

Preparation - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed.

Mixing - Thoroughly stir F&M using a heavy duty 1/2" (12.7 mm) drill at 400 - 500 rpm and a heavy duty mixing paddle. Pour half of the stirred F&M into a clean plastic pail. Add Type I or I-II Portland cement to the half pail of F&M in a ratio of one-to-one by weight and mix to a homogenous consistency. Let the mixture stand for 3 to 5 minutes and then stir to a creamy consistency. Up to 30 ounces (0.9L) of clean, potable water may be added to a half pail to adjust workability. Do not over mix as faster setting or reduced working time can occur. Do not add accelerators or retarders to the F&M mixture.

Application

Adhesive application - Over gypsum substrates, apply the F&M mixture directly to the back of the insulation board using a 3/8"x3/8"x3/8" (9.5x9.5x9.5 mm) or a 3/8"x1/2"x1-1/2" (9.5x13x38 mm) stainless steel notched trowel. With the trowel at a 45° angle, cover the entire back of the insulation board with full beads of adhesive. Apply the adhesive so the ribbons run vertically when applied to the wall.

Over non-gypsum substrates, you may use the above described notched trowel method or the 'ribbon and dab' method. Using a stainless steel plastering trowel, apply a 2" (50.8 mm) wide by 3/8" (9.5 mm) high ribbon of the F&M mixture around the entire perimeter of the insulation board. Place 8 dabs of the F&M mixture 3/8" (9.5 mm) thick by 4" (102 mm) in diameter approximately 8" (204 mm) on center inside the ribbon.

Approved Substrates

Exterior gypsum sheathing
(ASTM C1396, C1177)

Dens Glass Gold®

GlasRoc®

FiberBond®

Gold Bond e2xp®

Securock®

Weather Defense Platinum™

Durock®

PermaBase®

Util-A-Crete®

ProTEC®, ProGUARD®

Concrete

Brick

Masonry

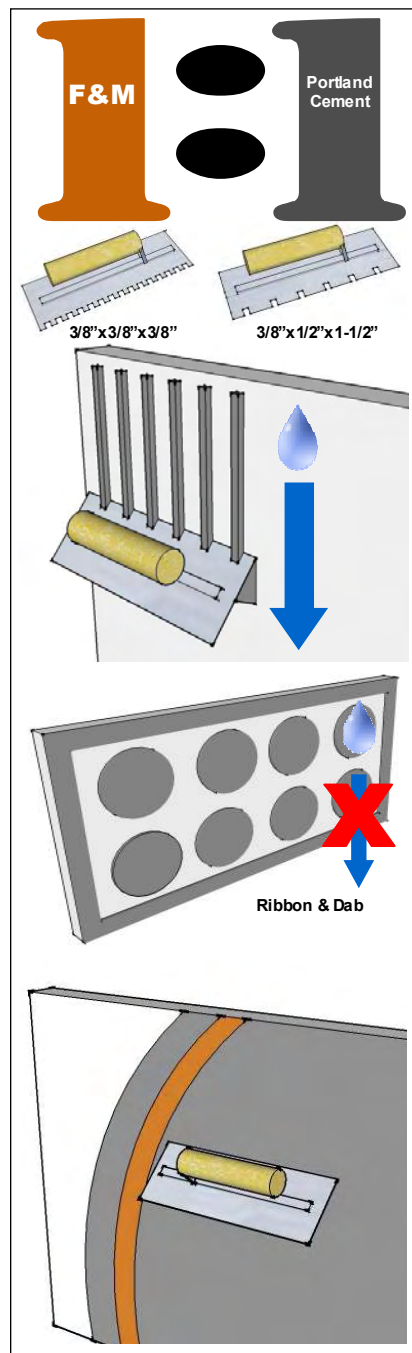
Metal Lath

Others approved in writing

Immediately place the prepared insulation board on the substrate. Make sure that all edges of the insulation board are abutted tightly and that no F&M mixture gets into the board joints. Do not allow the F&M mixture to form a skin prior to placing the insulation board on the substrate. Do not apply the F&M mixture directly onto the substrate.

For base coat application - All imperfections in the insulation board must be rasped flush and any gaps in the insulation board must be filled with slivers of insulation. Apply the F&M mixture over the entire surface of the insulation board in a thickness greater than that of the reinforcing fabric being used (approximately 1/16" (1.6 mm) for standard mesh and 3/32" (2.4 mm) for Ultra Mesh). Immediately embed the reinforcing fabric into the wet F&M mixture and smooth from the center to the edge to avoid wrinkles. The reinforcing fabric must be continuous at all corners and lapped or abutted in accordance to Master Wall specifications. The color of the mesh shall not be visible but a slight mesh pattern may be visible.

Clean Up—Tools and equipment can be cleaned with soapy water while the F&M is still wet.



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MBB Adhesive & Base Coat

Systems

Aggre-flex EIFS
Aggre-flex Drainage EIFS
Cemplaster Fiberstucco
ICF Coatings
QRW1 Drainage EIFS
Rollershield Drainage EIFS
Soffit System
Stucco Cement Board Coatings
Trowelshield Drainage EIFS
Uninsulated Finishes

VOC: 0

**Shipping Locations:
30058 • 77474 • 84651**

**Packaging: 50lb (22.7kg)
bag**

Shelf Life: 1 year

Coverage (estimated)

**Adhesive & Standard Base
Coat: 50-60 sf (4.6-536 sm)**

**Embedding Single-layer of
Mesh: 100-125 sf (9-11.5 sm)**

**Double Layer of Mesh: 30-110
sf (2.5-10 sm)**

**Notched Trowel Adhesive
Application: 56 sf (5.2 sm)**

**Master Wall® Bagged
Base Coat (MBB) is a
dry polymer acrylic
formulated high per-
formance base coat
and adhesive used in**



**Master Wall Systems or over prepared
substrates including brick, masonry,
concrete and stucco.**

- **Adheres insulation board to approved substrates**
- **Excellent water resistance**
- **Freeze stable in dry form**
- **Convenient, mixes with water**
- **Base coat for Aggre-flex Mesh**

Product Test Standards

ASTM C67, ASTM C297, ASTM D897, ASTM D2247, ASTM E2489/EIMA 101.86, ASTM D5420, ASTM E96, ASTM E330, ASTM E331, ASTM E2273, ASTM E2485, ASTM E84, IBC 1403, NFPA 268



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MBB Adhesive & Base Coat

Temp: 40°-110°F (5°-43°C) • Working Time: 1 hr • Dry Time: 12 hrs
at room temperature, working and drying time will vary with temperature and humidity

Application Procedure

Job Conditions - Air and substrate temperature for application of MBB must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

Preparation - The substrate must be approved by Master Wall Inc®, clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed.

Mixing - Add 5 to 6 quarts (4.7-5.7L) of potable water to a clean plastic pail. Add the MBB slowly while stirring using a heavy-duty 1/2" (12.7mm) drill at 400 - 500 rpm and a heavy-duty Mixer. Mix thoroughly to a homogenous consistency. Let the mixture stand for 3 to 5 minutes and then stir to a creamy consistency. Small amounts of clean, potable water may be added to obtain a workable consistency. Do not over mix. Excessive stirring may cause faster setting and reduced working time. Do not add accelerators or retarders to the MBB mixture.

Application

Adhesive application - Over gypsum substrates, apply the MBB mixture directly to the back of the insulation board using a 3/8"x3/8"x3/8" (9.5x9.5x9.5 mm) or a 3/8"x1/2"x1-1/2" (9.5x13x38 mm) stainless steel notched trowel. With the trowel at a 45° angle, cover the entire back of the insulation board with full beads of adhesive. Apply the adhesive so the ribbons run vertically when applied to the wall.

Over non-gypsum substrates, you may use the above described notched trowel method or the 'ribbon and dab' method. Using a stainless steel plastering trowel, apply a 2" (50.8 mm) wide by 3/8" (9.5 mm) high ribbon of the MBB mixture around the entire perimeter of the insulation board. Place 8 dabs of the MBB mixture 3/8" (9.5 mm) thick by 4" (102 mm) in diameter approximately 8" (204 mm) on center inside the ribbon.

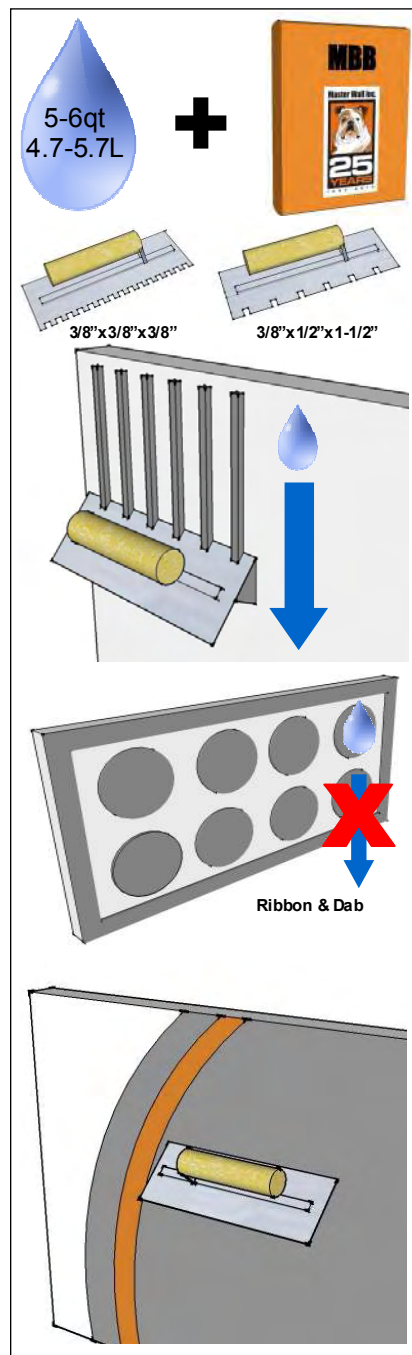
Approved Substrates

- Exterior gypsum sheathing (ASTM C1396, C1177)
- Dens Glass Gold®
- GlasRoc®
- FiberBond®
- Gold Bond e2xp®
- Securock®
- Weather Defense Platinum™
- Durock®
- PermaBase®
- Util-A-Crete®
- ProTEC®, ProGUARD®
- Concrete
- Brick
- Masonry
- Metal Lath
- Others approved in writing

Immediately place the prepared insulation board on the substrate. Make sure that all edges of the insulation board are abutted tightly and that no MBB mixture gets into the board joints. Do not allow the MBB mixture to form a skin prior to placing the insulation board on the substrate. Do not apply the MBB mixture directly onto the substrate.

For base coat application - All imperfections in the insulation board must be rasped flush and any gaps in the insulation board must be filled with slivers of insulation. Apply the MBB mixture over the entire surface of the insulation board in a thickness greater than that of the reinforcing fabric being used (approximately 1/16" (1.6 mm) for standard mesh and 3/32" (2.4 mm) for Ultra Mesh). Immediately embed the reinforcing fabric into the wet MBB mixture and smooth from the center to the edge to avoid wrinkles. The reinforcing fabric must be continuous at all corners and lapped or abutted in accordance to Master Wall specifications. The color of the mesh shall not be visible but a slight mesh pattern may be visible.

Clean Up—Tools and equipment can be cleaned with soapy water while the MBB is still wet.



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Aggre-flex Mesh

Systems

Aggre-flex EIFS
 Aggre-flex Drainage EIFS
 Commercial Drainage EIFS
 Cemplaster Fiberstucco
 ICF Coatings
 QRW1 Drainage EIFS
 Rollershield Drainage EIFS
 Soffit System
 Stucco Cement Board Coatings
 Trowelshield Drainage EIFS
 Uninsulated Finishes

VOC: 0

**Shipping Locations:
 30058 • 77474 • 84651**

Detail Mesh – super soft, pliable mesh used for backwrapping, special shapes, and detail work.

Standard Mesh–Standard weight mesh for wall areas and general detailing.

Hi-Tech Mesh–Upgraded heavier weight version of Standard Mesh with good workability.

Medium Mesh–Extra tough heavy weight mesh. Best for areas of light traffic.

Strong Mesh–Great high traffic mesh where impacts are a consideration.

Ultra Mesh–Best where abuse is expected. Ultra heavy for high traffic areas.

Strong Mesh and Ultra Mesh must be used in a two-layer system.

Corner Roll– For highly impact resistant corners. Apply under Standard or higher mesh.

Master Wall® Aggre-flex Mesh is a specially woven, glass fiber mesh with AR Coating (Alkali Resistive). Embedded in Master Wall® base coats, Aggre-flex Mesh is the key impact and tensile component in Master Wall® EIFS and wall systems. It can also improve crack resistance in Master Wall® Cemplaster Fiberstucco Systems, traditional stucco or foam shapes.

Mesh	Weight	Roll Size	Coverage*
Detail	4.5 oz/sy (113 g/sm)	9.5" x 150' (96.5cm x 45.7m)	119 sf (11 sm)
Standard	4.5 oz/sy (113 g/sm)	38" x 150' (96.5cm x 45.7m)	475 sf (44.1 sm)
Hi-Tech	6.0 oz/sy (202 g/sm)	48" x 150' (122cm x 45.7m)	600sf (55.7sm)
Medium	12.0 oz/sy (313 g/sm)	38" x 75' (96.5cm x 22.8m)	238 sf (22.1 sm)
Strong	15.4 oz/sy (508 g/sm)	38" x 75' (96.5cm x 22.8m)	238 sf (22.1 sm)
Ultra	21.0 oz/sy (675 g/sm)	38" x 75' (96.5cm x 22.8m)	238 sf (22.1 sm)
Corner Roll	9.5 oz/sy (238 g/sm)	9.5" x 150' (96.5cm x 45.7m)	150 lf (45.7 m)

*Allow about 10% waste for lapping all meshes (Strong, Ultra and Corner Roll Meshes are butted). Coverage will vary.

Product Test Standards

ASTM D76, D578, D579, D3659, D4029, D5035, E2098, E2486 MIL-Y-1140
 Weave: Leno

Impact ASTM E2486 (Formerly EIMA 101.86)		Tensile (warp/fill)	
Standard Mesh	Medium Impact Resistance	50-89 in-lbs (5.7-10.1J)	140/150
Hi Tech Mesh	Medium Impact Resistance	50-89 in-lbs (5.7-10.1J)	140/250
Medium Mesh	Medium Impact Resistance	50-89 in-lbs (5.7-10.1J)	300/500
Medium & Standard	High Impact Resistance	90-150 in-lbs (10.2-17.0J)	300/500
Strong & Standard	Ultra High Impact Resistance	150+ in-lbs (over17.0J)	350/600
Ultra & Standard	Ultra High Impact Resistance	150+ in-lbs (over17.0J)	750/500
Corner Roll			274/274



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Aggre-flex Mesh

Application Procedure

Job Conditions - Air and substrate temperature for embedment of the Reinforcing Mesh must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection at all times until the wall system, including flashings, caps, and sealants, is completed to provide protection from climatic conditions and other potential damage.

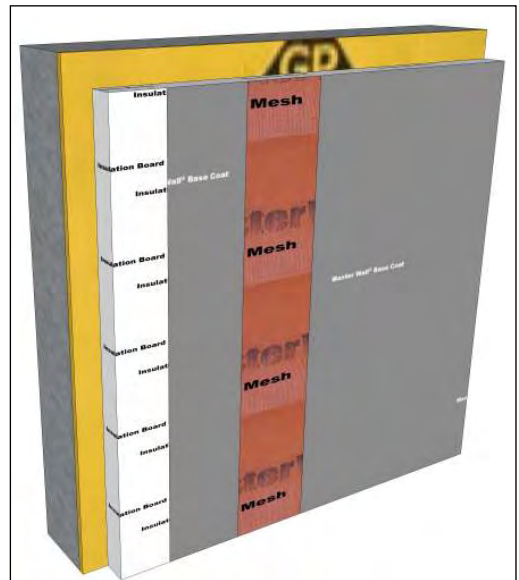
Application - All imperfections in the insulation board must be rasped flush and any gaps in the insulation board must be filled with slivers of insulation. Apply the base coat over the entire surface of the insulation board in a thickness greater than that of the Reinforcing Mesh being used, approximately 1/16" (1.6 mm) for Standard Mesh and 3/32" (2.4 mm) for Ultra Mesh. Immediately embed the Aggre-flex Mesh into the wet base coat and smooth from the center to the edge to avoid wrinkles. Lap all meshes except Strong Mesh and Ultra Mesh a minimum of 2-1/2" (63.5 mm) on all sides. The reinforcing fabric must be continuous at all corners and lapped or abutted in accordance to Master Wall specifications. The color of the mesh shall not be visible but a slight mesh pattern may be visible. The overall minimum thickness of the base coat should be a nominal 1/16" (1.6 mm) when dry.

When applying Strong, Ultra or Corner Roll Mesh, tightly abut all edges and let cure for a minimum of 12 hours. Grind any imperfections with the edge of a stainless steel trowel or grinding stone, taking care not to damage the Aggre-flex Mesh, and apply a layer of Standard Mesh, Hi-Tech Mesh, or Medium Mesh as per the directions in the preceding paragraph. To minimize wall variations, the lap of the second mesh layer should not coincide with the abutment of the first layer.

Special Conditions and Recommendations

Apply backwrapping mesh or other approved accessory at all terminations of the insulation board. This includes at the top and bottom of all walls and at all openings.

Aggre-flex Mesh may be wrapped from the face of the insulation board onto a foundation or onto the studs of an opening on barrier wall systems. In all cases, the exposed edges of the insulation board must be wrapped with Aggre-flex Mesh and base coat or an approved accessory trim.



Typical Mesh Application



Typical Backwrap Condition

Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Master Wall Inc.® products and is presented in good faith. Master Wall Inc.® assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents, such as specifications and details. Contact Master Wall Inc.® for the most current product information. ©2016 Master Wall Inc.®



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Cement Board Mesh

Lightweight Reinforcing Mesh

Approved Systems

Master Wall Stucco Cement Board Coatings

Mesh Properties

ASTM C474

ASTM C475

Weave: 8x8

Widths & Packaging

3' x 150' (76 mm x 45.7 m)

Coverage Estimate (4x8 sheets)

Square Footage x 0.37 = linear feet of mesh (coverage is not guaranteed)

Master Wall Cement Board Mesh is a self-adhesive lightweight woven, glass fiber mesh that is specially coated for compatibility with Master Wall Base Coats. The 3" (76 mm) wide mesh is used as the first reinforcing layer in the Stucco Cement Board Coating application.

Application Procedure

General—The substrate must be clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds. Painted surfaces are not acceptable and the paint must be removed.

Job Conditions - Air and substrate temperature for application of the Cement Board Mesh must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours.

Temporary Protection – Must be provided at all times until the wall system, including flashings, caps, and sealants, is completed to provide protection from climatic conditions and other potential damage.

Installation – Apply Cement Board Mesh according to Master Wall Specifications. In general, Cement Board Mesh is centered on the cement board joints and corners before the first application of base coat at the joints. Alternatively the mesh can be embedded into wet base coat at these locations. See the Stucco Cement Board Coatings specifications and details for specific instructions. Lap Cement Board Mesh a minimum of 2-1/2" (63.5 mm).

Limitations

Cement Board Mesh is not intended for use as the exterior or primary reinforcement of any Master Wall System.

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Master Wall, Inc

Building a Culture of Excellence

Stucco Cement Board Coatings

5 Year Labor & Material Limited Warranty

Master Wall Inc. warrants the properly designed and installed Stucco Cement Board Coatings and materials for 5 years from the date of installation. Master Wall Inc.'s exclusive liability under this warranty is to supply replacement materials and labor or corrective procedures, if it is shown that the materials supplied by Master Wall Inc., were defective when installed by the Master Wall Inc. certified applicator. Remedies shall be solely determined by Master Wall Inc. and no other warranties are expressed or implied. For a valid warranty, the system and products must be installed in accordance with Master Wall Inc.'s written recommendations, specifications, details, bulletins and other project-specific written recommendations. Master Wall Inc. must be notified in writing within 10 business days of the original discovery of the defect.

Master Wall Inc., is not responsible for structural conditions, design conditions beyond those noted in our literature, architecture, engineering or workmanship of any project. Stucco Cement Board Coatings may have hairline cracks, spalling, fastener popping or efflorescence, which are not considered product defects. Drainage Systems are warranted to drain incidental water for the warranty period. Materials must be properly stored and applied in a timely manner. Workmanship, aesthetics and installation are beyond the scope of this warranty as are any deviations from Master Wall Inc. Documents not specifically approved in writing.

Abuse, misuse, excessive weather or environmental conditions beyond what the products or systems have been tested, designed or approved for is expressly limited. Certain colors with organic pigments are less fade-resistant than others. The building, system and products must be properly maintained in accordance with Master Wall Inc., documents, local environmental conditions and good building practices. In no case is Master Wall Inc. responsible for incidental and consequential damages.

This warranty becomes effective only when all bills for the components of the system have been paid.

Except as stated, Master Wall, Inc., expressly disclaims any warranty of merchantability or fitness for a particular purpose. The above remedies are to be deemed exclusive.

Project:

Applicator:

Warranty Date:

This is not the final warranty. For a valid warranty click on the support tab at masterwall.com and request a warranty. Warranties are not valid until issued.



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Master Wall® Guide Specification MG Magnum® Board Coatings

Part 1 General

1.01 GENERAL

- A. The Master Wall® Magnum® Board Coatings are a decorative coating applied over Magnum® Board substrates.
- B. Drainage cavities may be incorporated into this design.

1.02 SCOPE OF WORK

- A. Provide all materials, labor, and equipment to install the Field Applied and/or Panelized Master Wall® Magnum® Board Coatings.
- B. Related Sections:
 - 1. Concrete 03300
 - 2. Unit Masonry 04200
 - 3. Light Gauge Steel Framing 05400
 - 4. Sheathing 06100
 - 5. Sheet Metal Flashing and Trim 07620
 - 6. Sealants 07900
 - 7. Doors and Windows 08000

1.03 TERMS / DEFINITIONS

- A. Applicator – The contractor that applies the Magnum® Board Coatings.
- B. Base Coat – The material applied to the face of the sheathing and reinforced with one or more layers of mesh to function as the exterior weather barrier.
- C. Base Coat Mixture – A field mixed blend of base coat and Portland cement.
- D. Building Expansion Joint – A joint through the entire building structure designed to accommodate structural movement.
- E. Control Joint – A trim piece designed to control the thermal/structural movement within the Magnum® Board and to minimize cracking.
- F. Designer – The person or firm that is responsible to create the plans and specifications for the entire project.
- G. Expansion Joint – A designed joint in the continuity of a material, assembly, or system, designed to accommodate movement.
- H. Finish Coat – An acrylic based, factory mixed decorative and protective coating that is applied to the base coat.
- I. Reinforcing Mesh – Balanced, open weave, basic glass fiber mesh(es) supplied by Master Wall® Inc.
- J. Mechanical Fastener – Rust resistant fasteners utilized to fasten the sheathing.
- K. Sheathing – A primary material to which the Magnum® Board is attached to or through.
- L. Magnum® Board – Manufactured by Magnum Building Products.
- M. Substrate – The fully attached Stucco Cement Board that Master Wall® materials are applied.



Magnum® Board Coatings

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1.04 QUALITY ASSURANCE

A. Design and Detailing

1. General

- a. Master Wall® Inc.'s current published details, specifications, data sheets, technical bulletins and other literature/information are minimum standards and guidelines that shall be followed when designing and detailing a project with the Master Wall® Magnum® Board Coatings.
- b. Details shall conform to Master Wall® Inc.'s details and shall be consistent with the project requirements.
- c. Structural designs and capacities are limited to and the responsibility of the sheathing/substrate board manufacturer.
- d. Sheathing is required for conditioned northern climates and where necessary for structural concerns in all climates. Non-conditioned northern climates (above the 4000 heating degree day line) and southern climates may not require sheathing. Designer to determine the necessity and use of the sheathing.
- e. Cracking due to dimensional stress at board joints may appear in the finished exterior surface.
- f. Planar irregularities in framing may be more visible than with other applications.
- g. Cement board manufacturer should be consulted for structural requirements.
- h. A secondary weather-resistive barrier is required under the Magnum® Board.
- i. Depending upon framing and climate, some read-through of framing and/or fasteners may occur.
- j. Applications are limited to residential and low-rise commercial installations.
- k. Master Wall® Inc. must approve deviations from the standard published details in writing.
- l. The architect, engineer or the designer of the project should determine where the dew point would occur in relationship to the wall assembly and the project location during summer and winter conditions.
- m. Proper fastener spacing of the approved sheathing shall be strictly adhered to. Reference sheathing manufacturer and local code recommendations for proper fastener spacing.
- n. When the outside temperatures differ considerably from the building's interior temperature, airborne dirt can accumulate on colder regions of walls causing "shadowing" or "spotting", particularly over fasteners and framing. This is not considered a failure of the system or the Master Wall® materials.
- o. The minimum slope of inclined surfaces shall not be less than 6" in 12" with a maximum length of 12" unless approved in writing by Master Wall® Inc. Inclined surfaces which are or could be defined as roofs by the building codes or application are not approved by Master Wall® Inc.
- p. The Magnum® Board Coatings shall not be used on parapet caps.
- q. It is the responsibility of the architect and the purchaser to determine if a product is suitable for their intended use. The architect or designer of the project shall be responsible for all decisions pertaining to the design, details, structural capability, attachment details, shop drawings and the like. Master Wall® Inc. has prepared specifications, details and data sheets to assist as guidelines for the use and installation of the products. Master Wall® Inc. is not responsible for the design, details, structural capability, attachment details and shop drawings whether it is based on Master Wall® Inc.'s information or not.

2. Weather Resistive Barrier

- a. Code approved weather resistive barrier shall be installed over framing on all exterior walls before application of the Magnum® Board begins.
- b. Do not use a vapor barrier (i.e. plastic sheet) on the exterior wall behind the exterior sheathing.
- c. Weather resistive barrier shall be installed horizontally with upper layers overlapping lower layers a minimum of 2" (51 mm). Vertical joints shall overlap a minimum of 6" (152 mm).
- d. Wrap weather resistive barrier into rough openings at windows, doors, mechanical equipment, and any other openings through the system. Reference Master Wall® Inc.'s details.
- e. Lap weather resistive barrier over attachment flange of drainage track a minimum of 2" (51 mm).
- f. Alternatively, Master Wall® *Rollershield* may be used as the water barrier over approved substrates.



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3. Acceptable drainage mat materials for Magnum® Board Coatings shall be:
 - a. Colbond® (Enka®) drainage mats as defined in Master Wall® Technical Bulletin #126.
 - b. Benjamin Obdyke® Homeslicker® drainage mat.
Install drainage mat materials in accordance with manufacturer's details and/or accepted industry practices.
4. Sheathing & Stucco Cement Board
 - a. The maximum deflection under full flexural design loads of the substrate system shall not exceed L/360.
 - b. Acceptable sheathings for the Magnum® Board Coatings shall be designed for their intended use by the design professional.
 - c. Since the surface of the sheathing and Magnum® Board cannot be rasped smooth, the flatness and finished appearance of the Magnum® Board Coatings application will depend on the structural members that support the sheathing.
 - d. The project architect or engineer shall engineer the framing, sheathing and Magnum® Board with regard to the required structural performance.
5. Expansion Joints
 - a. Expansion joints in the system are required at building expansion joints, at prefabricated panel joints, where substrates change, at floor lines in wood framed construction, and where structural movement is anticipated. Reference construction documents for specific locations.
 - b. Double studs may be required to accommodate expansion joints or where it is needed to provide a fastening base for sheathing and Magnum® Board joints.
6. Control Joints
 - a. Control joints are required and located by the designer in the Magnum® Board at the following locations: (Reference construction documents for specific locations).
 - 1) Shall not exceed 20 lineal feet in any direction.
 - 2) 160 square feet equals maximum overall area.
 - 3) One dimension shall not exceed 2 ½ times the other dimension.
 - 4) At all dissimilar substrate transitions.
 - b. Double studs may be required to accommodate control joints or where it is needed to provide a fastening base for sheathing board joints.
7. Sealants
 - a. Sealants and backer rod, as required at expansion joints and dissimilar substrates, shall provide a complete watertight system.
 - b. The sealants in a Magnum® Board Coatings expansion joint, or any sealant joint that anticipates significant movement, shall be bonded to the casing bead, Magnum® Board or the reinforced base coat, not the finish coat. The color of the mesh shall not be visible and the texture of the mesh shall not be exposed within base coat at these locations.
8. Flashings
 - a. Roof
 - 1) Crickets and step flashing shall be properly installed around chimneys.
 - 2) Flashing shall be installed at rooflines in a manner to prevent any intrusion of water behind the weather barrier. This shall include the use of roof kick-out flashing at roof terminations.
 - b. Openings
 - 1) Heads, jambs, and sills of all rough openings must be wrapped with the weather resistive barrier prior to installation of windows, doors, or mechanical equipment.
 - 2) Local building codes may require use of self-sealing flashing tape on the sills.
 - 3) Drainage track and metal flashing shall be installed at heads of openings.
 - 4) Continuous metal flashing shall be installed at heads of ganged windows.
 - c. Decks
 - 1) The system must be terminated at least 2" (51 mm) above poured decks, patios, sidewalks, etc.
 - 2) Wooden decks must be flashed before system is installed.



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9. Penetrations

- a. All penetrations through the system such as hose bibs, dryer vents, lighting fixtures, air-conditioning hoses, etc. must be properly sealed to insure the integrity of the system.

B. Qualifications

1. The Coatings Manufacturer shall have manufactured similar products and formulations for at least 30 years.
2. The Applicator shall be knowledgeable in the proper installation of the Magnum® Board Coatings.
3. The Applicator shall have demonstrated the ability to install the system on projects of similar size and complexity.
4. The Applicator shall provide the proper equipment, manpower and supervision on the job site to install the system in compliance with project plans and specifications.
5. The sealant contractor shall be experienced in the installation of high performance industrial and commercial sealants.
6. Prior to the installation of the Master Wall® Magnum® Board Coatings, erect sample wall mock-up using materials and joint details required for final work. Provide special features as directed for sealant and contiguous work. Build mock-up at the site where directed of full thickness, indicating the proposed color, texture, and workmanship to be expected in the completed work. Obtain architect's acceptance of the mock-up in regard to aesthetic quality before start of work. Retain mock-up during construction as a standard for judging completed work. Do not alter, move, or destroy mock-up until work is completed, and until final acceptance of the project by architect.

1.05 SUBMITTALS

- A. The Applicator shall submit a list of completed projects of like size and complexity.
- B. The Applicator shall submit a certificate of training indicating that they have been given instructions on the proper installation of the Magnum® Board Coatings.
- C. The Applicator shall submit Magnum® Board Coatings Manufacturer's current literature, brochures, specifications, and details.
- D. The Applicator shall submit sufficient samples of each finish texture and color selected. The samples shall be prepared with the same tools and techniques required for the actual project. Color and texture should be approved based on the job site mock-up samples.
- E. The Applicator shall provide any shop drawings that may be applicable to the project for approval by the project architect.

1.06 DELIVERY, STORAGE AND HANDLING

- A. Deliver all materials in original unopened packages with labels intact. Verify all quantities, colors, and textures against bill of lading.
- B. Store all materials protected from direct exposure to weather conditions and at temperatures not less than 40° F (5° C) or greater than 110° F (43° C).
- C. Safety data sheets (SDS) shall be supplied for the components of the Magnum® Board Coatings and be available at the job site.

1.07 JOB CONDITIONS

- A. Ambient air temperatures shall be 40° F (5° C) or greater and rising at the time of installation of the Master Wall® Inc. products and shall remain at 40° F (5° C) or greater for at least 24 hours after application.
- B. Provide supplemental heat and protection as required when the temperature and conditions are not in accordance with installation requirements. Sufficient ventilation and time shall be provided to ensure that materials have sufficiently dried prior to removing supplemental heat.
- C. Adequate protection shall be provided to prevent weather conditions (humidity, temperature, and precipitation) from having an effect on the curing or drying time of Master Wall® Inc. materials.
- D. Adjacent materials and the Magnum® Board Coatings shall be protected during installation and while curing from weather and shall be protected from site damage.
- E. Coordinate installation of the Master Wall® Magnum® Board Coatings with related work specified in other sections to ensure that the wall assembly is protected to prevent water from getting behind the weather barrier. The cap flashing shall be installed as soon as possible after the finish coat has been applied. When this is not possible, temporary protection shall be provided immediately in this area.
- F. All sealants shall be installed in a timely manner. Protect open joints from water intrusion during construction with backer rod, or temporary covering, until permanently sealed.



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G. Sufficient manpower and equipment shall be employed to ensure a continuous operation, free of cold joints, scaffolding lines, texture variations, etc.

1.08 REPAIR AND MAINTENANCE

A. Refer to Master Wall® Inc. specific repair and maintenance procedures.

B. Sealants and flashings shall be inspected annually to verify that the products are not allowing water intrusion behind the weather barrier. If sealant and/or flashings are allowing water intrusion behind the weather barrier, repairs should be made immediately.

1.09 LIMITED MATERIALS WARRANTY

A. A Limited Materials Warranty shall be issued upon the receipt of a properly completed warranty request form.

PART 2 PRODUCTS

2.01 GENERAL

A. All components of the Master Wall® Magnum® Board Coatings shall be obtained from Master Wall® Inc. or its authorized distributors. No substitutions of, or additions of, other materials shall be submitted without prior written permission from Master Wall® Inc. Substitutions or additions will void the warranty.

2.02 MATERIALS

A. Weather Resistive Barrier (by others)

1. The weather resistive barrier shall comply with local building code requirements. Shall be a minimum 15 # felt or a product recognized by the local jurisdictional building authority as a weather resistive barrier equivalent.

B. Drainage Track

1. Drainage track properly sized to the Magnum® Board and manufactured by Vinyl Corp., Plastic Components, or approved equal shall be used, if needed, in accordance with Master Wall® Inc. details.

C. Casing Bead

1. Casing bead properly sized to the Stucco Cement Board and manufactured by Vinyl Corp., Plastic Components, or approved equal shall be used, if needed, in accordance with Master Wall® Inc. details.

D. Mechanical Fasteners

1. A rust resistant fastener approved by the Magnum Building Products shall be used to properly fasten the sheathing. The appropriate fastener shall be used to meet the requirements of the specific project, local building code and the anticipated wind loads.

E. Sheathing & Magnum® Board

1. Sheathing: Applied over framing and may be designed to satisfy structural requirements or fire-resistive construction. Exterior gypsum sheathing (ASTM C-79, Dens Glass Gold, Exposure 1 or exterior plywood (grade C-D or better), Exposure 1 Oriented Strand Board (OSB).
2. Magnum® Board: Magnesium Oxide panels manufactured by Magnum Building Products available in 6 mm (1/4") to 20 mm thickness.

F. Reinforcing Mesh

1. Cement Board Mesh – Lightweight joint reinforcing mesh.
2. Standard Mesh – nominal 4.5 oz./sq. yd. open weave glass fiber fabric, treated for alkaline resistance and compatibility with Master Wall® Base Coats, and conforming to ASTM D-76, D-579, D-5035, and MIL-Y-1140.

G. Base Coats

1. F&M Plus: An acrylic-based product mixed one-to-one by weight with Portland cement designed for use with reinforcing mesh as the base coating over the approved sheathing board. (Because Magnum® Board cannot be rasped to a level surface, F & M Plus is recommended for use as the base coat.)
2. Foam & Mesh (F&M) Adhesive: An acrylic-based product mixed one-to-one by weight with Portland cement designed for use with reinforcing mesh as the base coating over the Magnum® Board.
3. Bagged Base Coat (MBB) or MBB Plus: A polymer based cementitious product mixed with 5 to 6 quarts of water for use as a base coating over the Magnum® Board.



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H. Water Resistant Base Coat

1. Guardian – An acrylic-based product mixed one-to-one by weight with Portland cement for use as a base coat with reinforcing mesh over Magnum® Board. (This product should be used as designated on the construction drawings where additional resistance to moisture is needed, i.e. sloped surfaces.)

I. Primer – Especially useful under dark colors

1. Primecoat Primer - Acrylic-based tintable primer
2. Sanded Primecoat Primer - Acrylic-based tintable primer with sand

J. Superior Finishes: Master Wall Inc.® Superior Finishes are acrylic-based wall coatings available in a variety of colors and textures. The following textures are available:

1. Perfect2.0 - riled texture
2. Fine Sand 1.0 – sand type texture
3. Medium Sand 1.5 – coarse sand texture
4. Versatex 0.5 – Fine texture used to create numerous finishes

K. Finish Enhancements

1. Silicone Coat - Factory added silicone enhancement for better water resistance and to keep buildings cleaner.
2. Excel Mildew Enhancement - Factory added mildew booster exceeding ASTM D3273 requirements.
3. Elastomeric Plus - Increases flexibility and bridges minor hairline cracks.
4. DuroTone Pigments

L. Specialty Finishes

1. Aggrelime – Limestone Look Finish
2. Aggre-stone – Rough Granite Look
3. Brick CIFS™ Realistic Brick
4. Brick Stencil
5. LaCantera – Beautiful Cantera Stone Look
6. Lumia – Granite with Sparkling Mica
7. Marbleflex – Brilliant Plaster Finish
8. Metallic Cote – Metallic Look Finish Coating
9. Metal-Tex - Integrally Colored Metallic Look Textured Finish
10. Savannah – Interior/Exterior Venetian Plaster Type Finish
11. Superior Stone – Smooth Granite Look
12. Taratex – Earthen look Plaster
13. Travertine – Recreates the look of Travertine Limestone

M. Accents & Coatings

1. Roller-flex architectural coating
2. Elasto-flex elastomeric architectural coating
3. Clearshield clear protective coating
4. Vintique antiquing accent

N. Special Shapes: Moldings, cornices, quoins, etc. manufactured by others or formed out of Aggre-flex Insulation Board. All shapes must be reinforced with Base Coat and Reinforcing Mesh.

O. Water: Shall be clear, clean and potable without any foreign matter in the solution that may affect the color and setting qualities of the cement, base or finish coat.

P. Cement: Type I or I-II Portland cement meeting ASTM C-150.

Q. Sealants Systems:

1. Sealants: Reference sealant section (07920) and manufacturer for approved sealants and installation methods.



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PART 3 EXECUTION

3.01 EXAMINATION

- A. Prior to installation of the Magnum® Board Coatings, the contractor shall verify that the substrate and water barrier:
 - 1. Is of a type listed in this specification.
 - 2. Is installed to shed water in accordance with this specification.
 - 3. Is flat within 6.4 mm (1/4 in) in a 3 m (10 ft) radius.
 - 4. Is sound, dry, connections are tight, has no surface voids, projections or other conditions that may interfere with the Magnum® Board Coatings installation or performance.
- B. Prior to the installation of the Magnum® Board Coatings, the architect or general contractor shall insure that all needed flashings and other waterproofing details have been completed, if such completion is required prior to the coatings application. Additionally, the Contractor shall ensure that:
 - 1. Metal roof flashing has been installed in accordance with Asphalt Roofing Manufacturers Association (ARMA) Standards.
 - 2. Openings are flashed in accordance with the Magnum® Board Coatings Installation Details or as otherwise necessary to prevent water penetration.
 - 3. Chimneys, Balconies, and Decks have been properly flashed.
 - 4. Windows, Doors, etc. are installed and flashed per manufacturer's requirements and the Magnum® Board Coatings Installation Details.
- C. Prior to the installation of the Magnum® Board Coatings, the contractor shall notify the general contractor, and/or architect, and/or owner of all discrepancies.

3.02 PREPARATION

- A. The Stucco Cement Board Coating materials shall be protected by permanent or temporary means from inclement weather and other sources of damage prior to, during, and following application until completely dry.
- B. Protect adjoining work and property during the Magnum® Board Coating installation.
- C. The substrate shall be prepared as to be free of foreign materials, such as, oil, dust, dirt, form release agents, efflorescence, paint, wax, water repellents, moisture, frost and any other condition that inhibit adhesion.

3.03 INSTALLATION

- A. The system shall be installed in accordance with the current Master Wall® Inc. Magnum® Board Coatings Application Instructions.
- B. The overall minimum base coat thickness shall be sufficient to fully embed the mesh.
- C. Sealant shall not be applied directly to textured finishes.

3.04 FIELD QUALITY CONTROL

- A. The contractor shall be responsible for the proper application of the Magnum® Board Coating materials.
- B. Master Wall® Inc. assumes no responsibility for on-site inspections or application of its products.
- C. If required, the contractor shall certify in writing the quality of work performed relative to the substrate system, details, installation procedures, workmanship and as to the specific products used.
- D. If required, the EPS supplier shall certify in writing that the EPS meets Master Wall® Inc.'s specifications.
- E. If required, the sealant contractor shall certify in writing that the sealant application is in accordance with the sealant manufacturer's and Master Wall® Inc.'s recommendations.



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3.05 CLEANING

- A. All excess Magnum® Board Coating materials shall be removed from the job site by the contractor in accordance with contract provisions and as required by applicable law.
- B. All surrounding areas, where the Magnum® Board Coatings has been installed, shall be left free of debris and foreign substances resulting from the contractor's work.

3.06 PROTECTION

- A. The Magnum® Board Coatings shall be protected from inclement weather and other sources of damage until dry and permanent protection in the form of flashings, sealants, etc. are installed.

Disclaimer

This Specification is published for general informational purposes only and is not intended to imply that these are the only materials, procedures, or methods, which are available or suitable. Materials, procedures, or methods may vary according to the particular circumstances, local building code requirements, design conditions, or statutory and regulatory requirements. While the information in this specification is believed to be accurate and reliable, it is presented without guarantee or responsibility on the part of Master Wall Inc.®



System Detail

Magnum® Board Substrate

Master Wall Mesh and Base Coat

Superior Finish

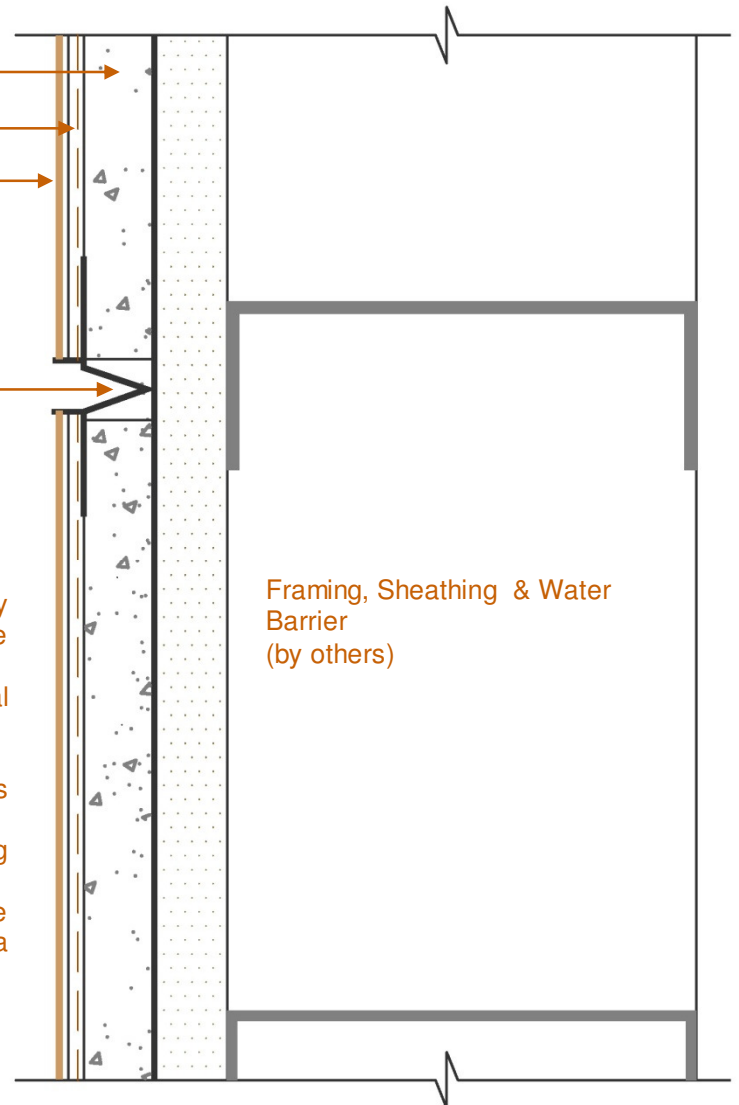
Plastic Control Joint Accessory, Plastic Components 22027-16 or equal. See notes for placement recommendations

Notes:

Control joints are required and should be located by the designer at the following locations on the construction documents:

- Maximum length shall not exceed 20 lineal feet in any direction
- 160 sf is the maximum overall area
- One dimension shall not exceed 2-1/2 times the other dimension
- At all dissimilar substrate/sheathing transitions

Double studs may be required to accommodate control joints or where it is needed to provide a fastening base for sheathing board joints.

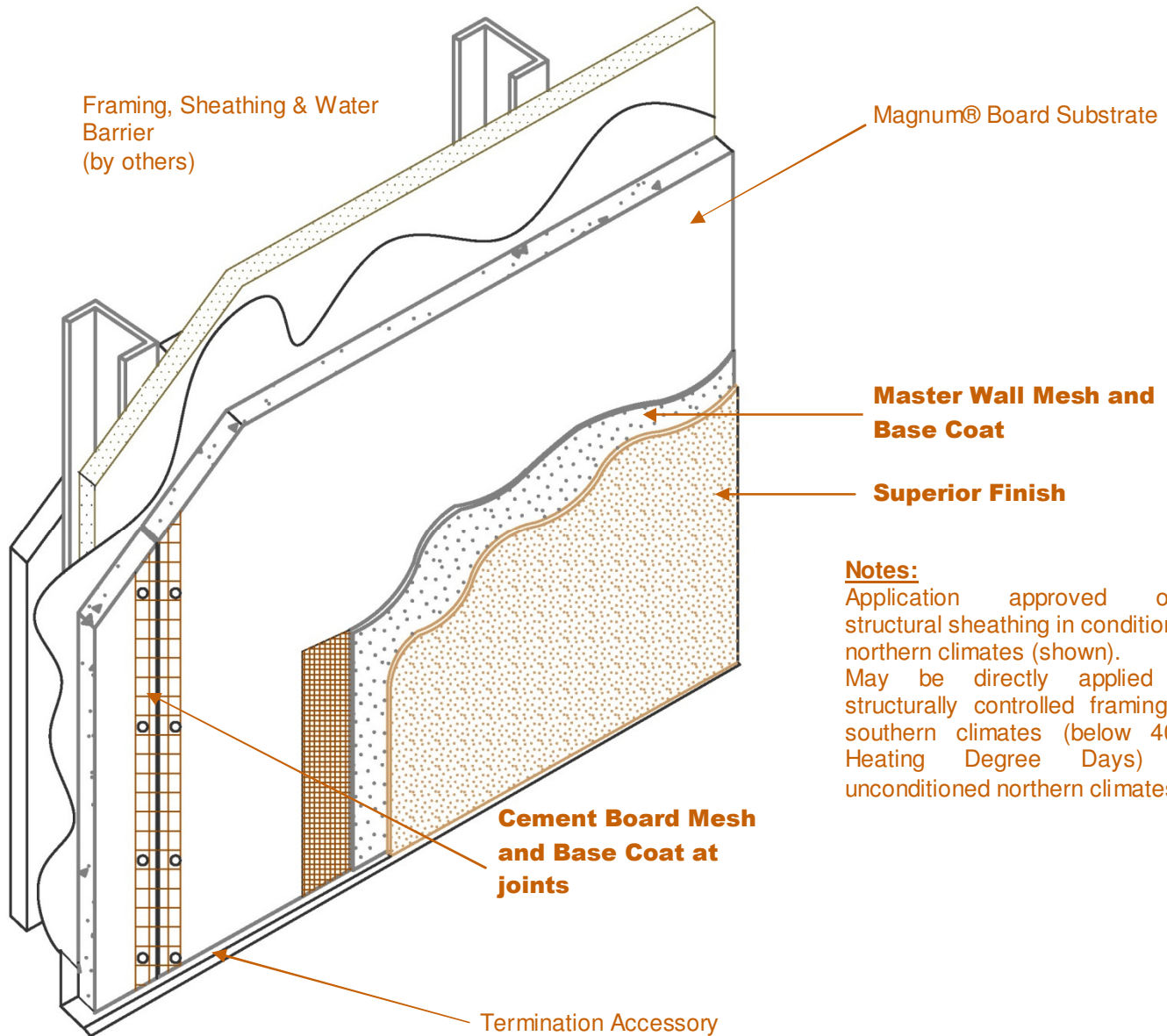


MG-01 Cross-Section

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System Detail



Notes:

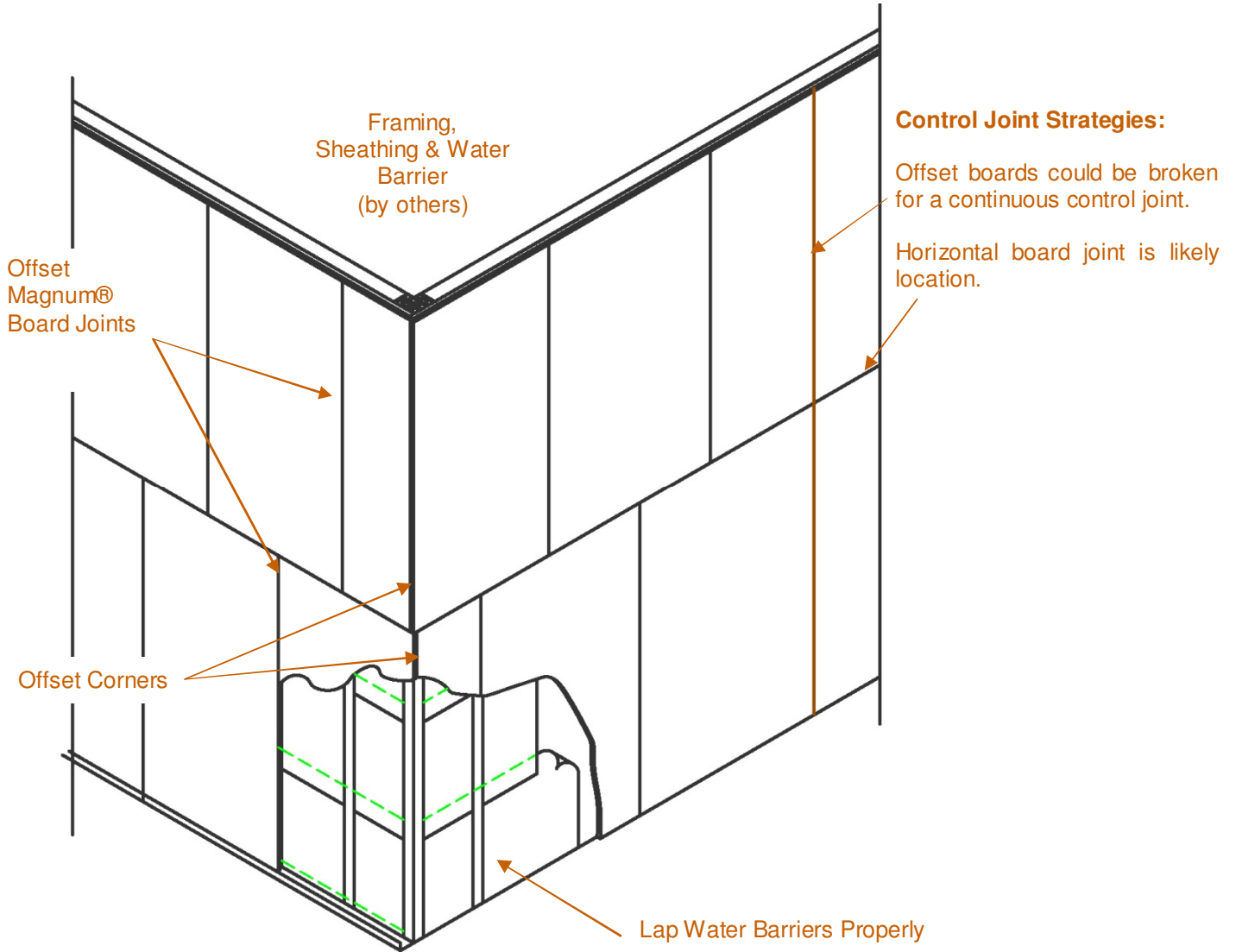
Application approved over structural sheathing in conditioned northern climates (shown). May be directly applied to structurally controlled framing in southern climates (below 4000 Heating Degree Days) or unconditioned northern climates.

MG-02 Cross-Section Isometric

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System Detail



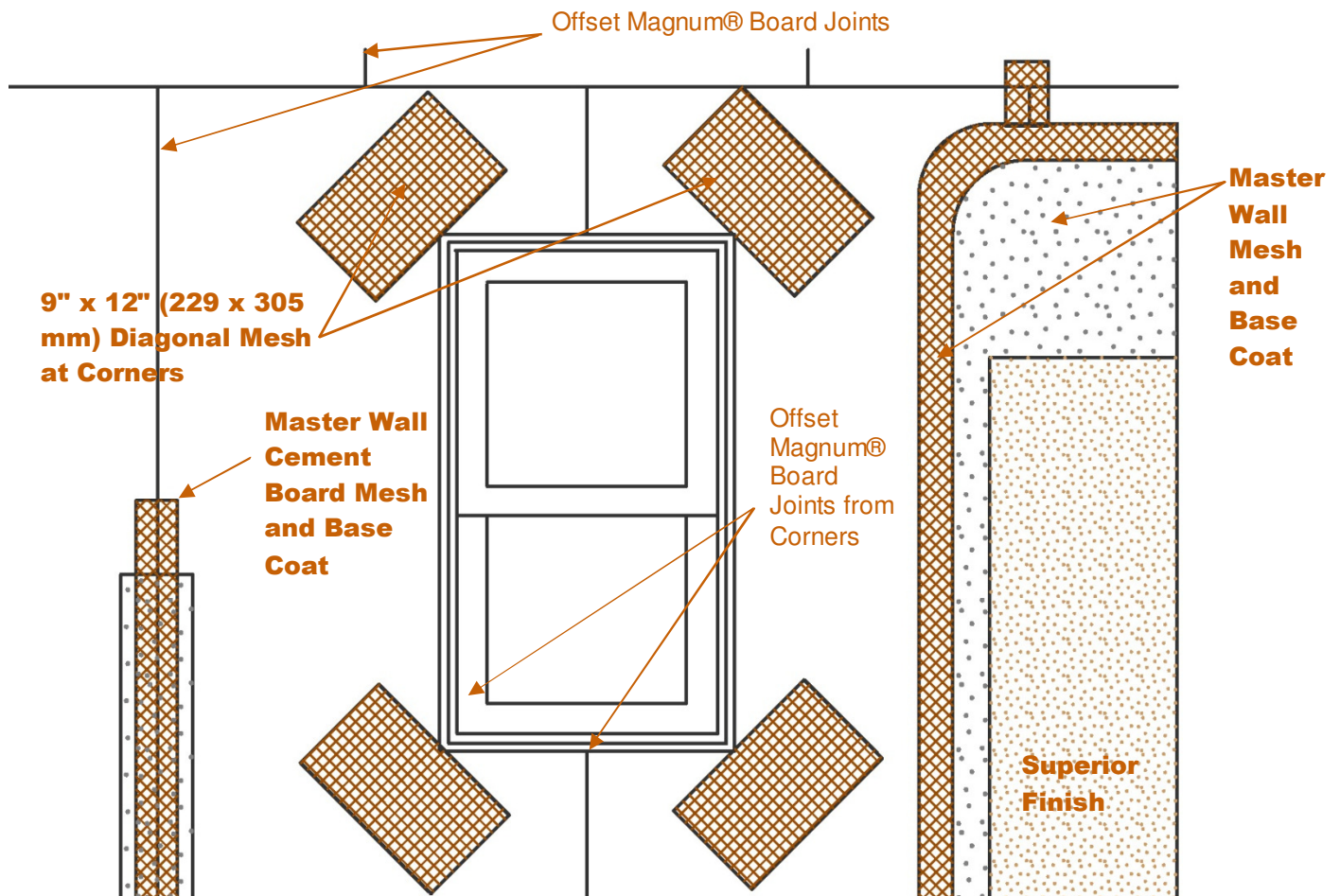
MG-03 Magnum[®] Board Layout

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System Detail



Notes:

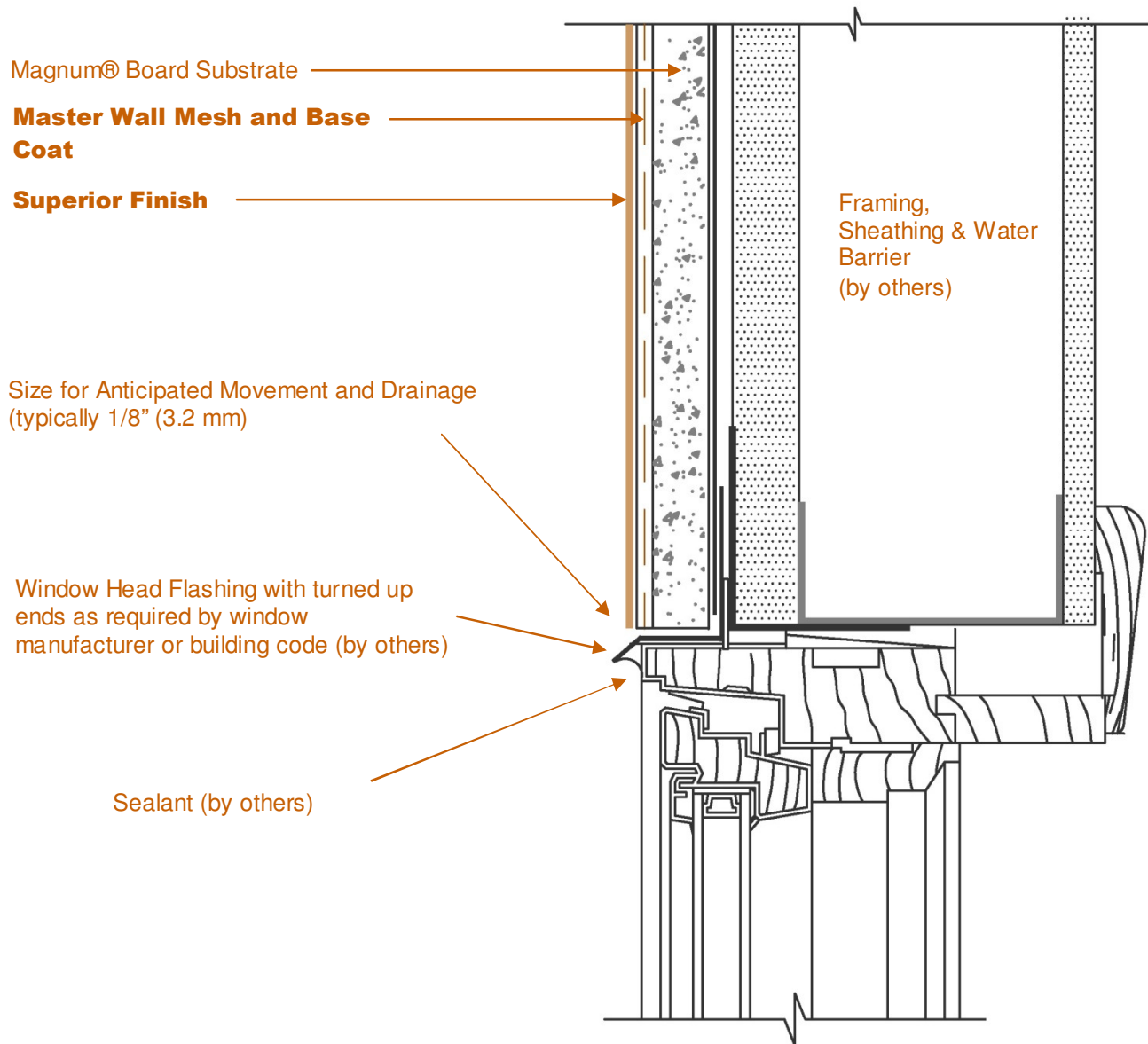
- Typical detailing for windows, doors and other openings
- Designer to size sealant joint for anticipated movement, minimum 3/8" (9.5 mm) sealant joint by sealant contractor
- Flashing may be required by others

MG-04 Typical Reinforcing Mesh Application

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System Detail



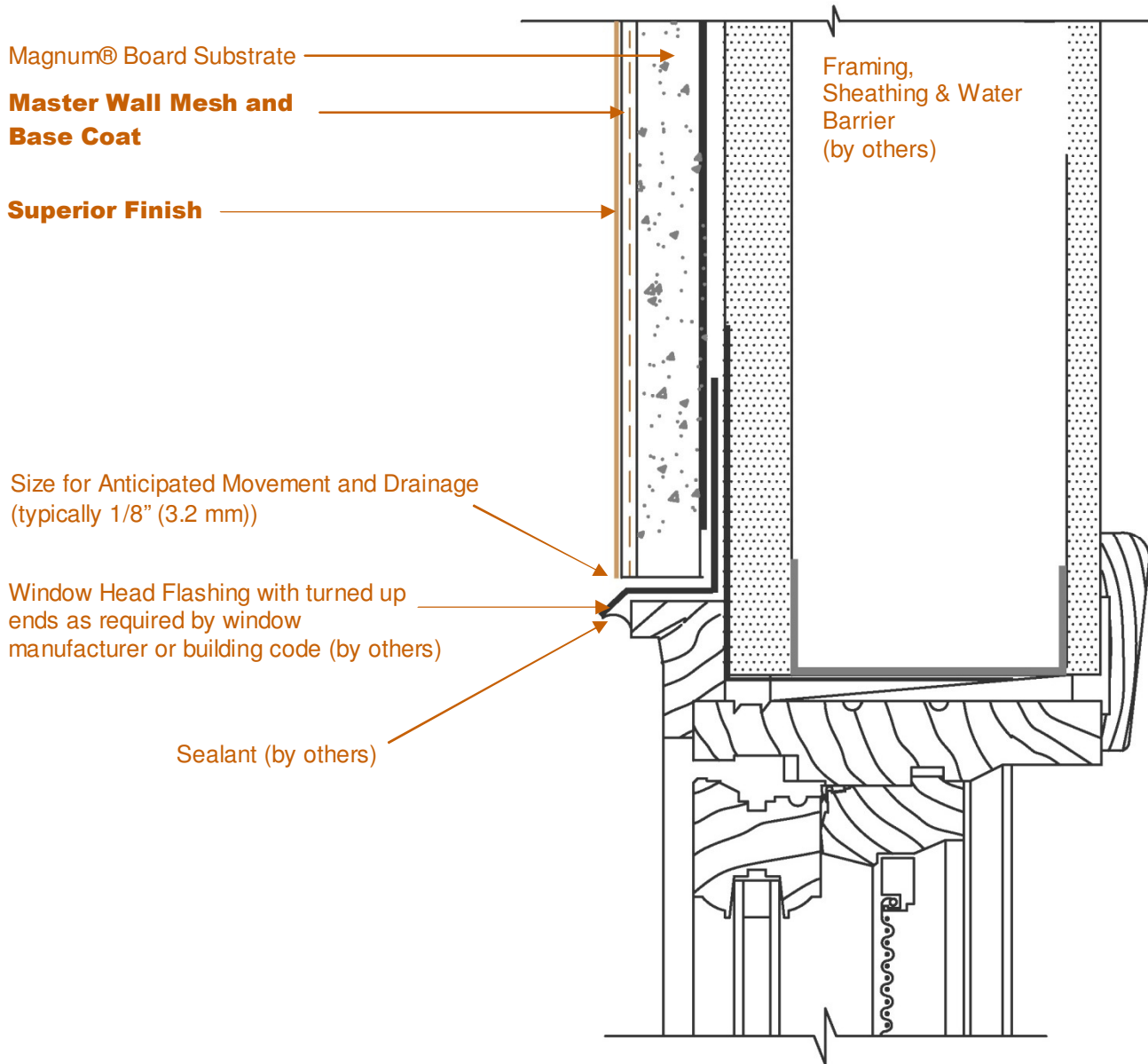
MG-05 Clad Window Head

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System Detail

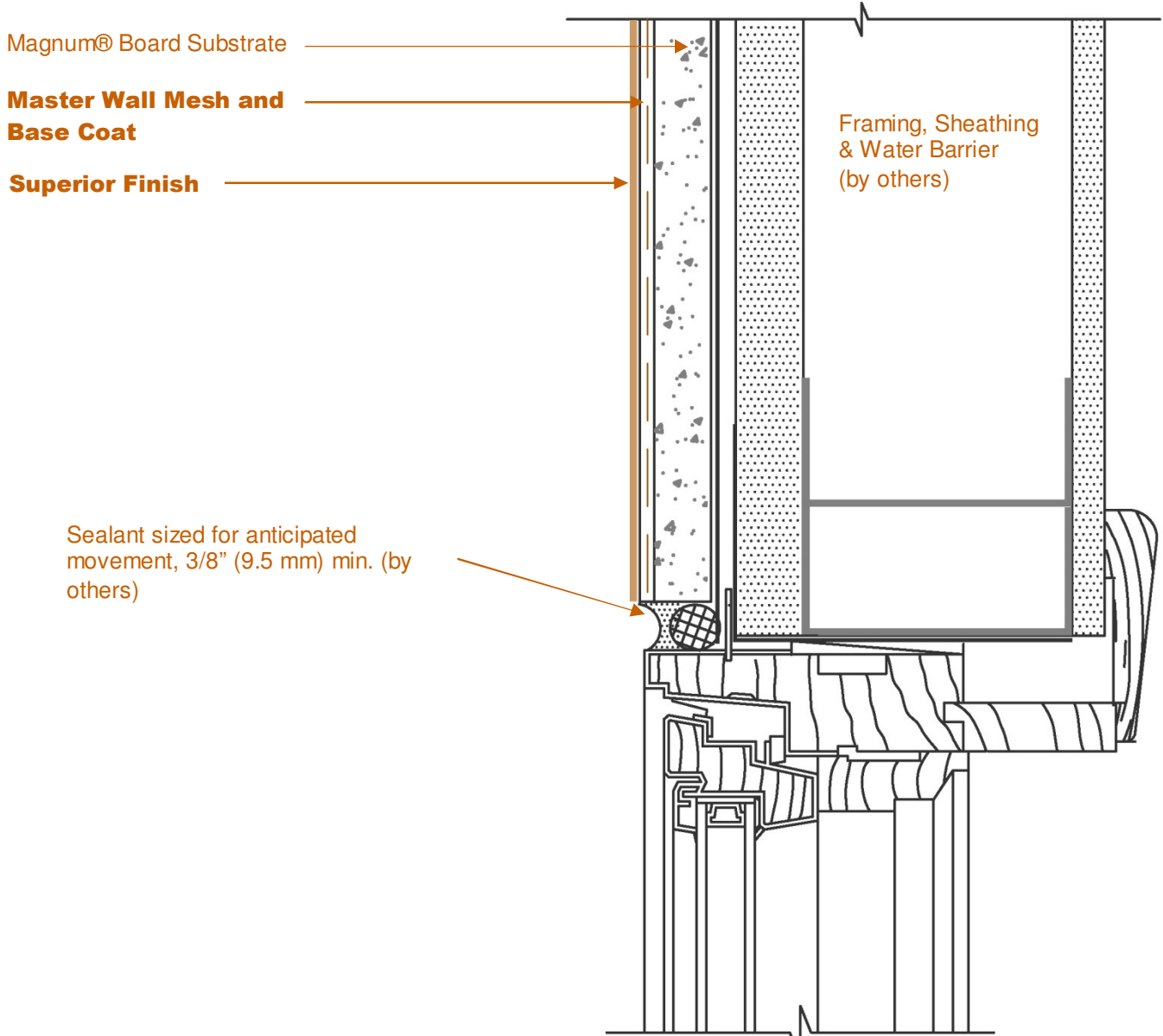


MG-06 Typical Wood Window Head Detail

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System Detail



MG-07 Typical Jamb Detail

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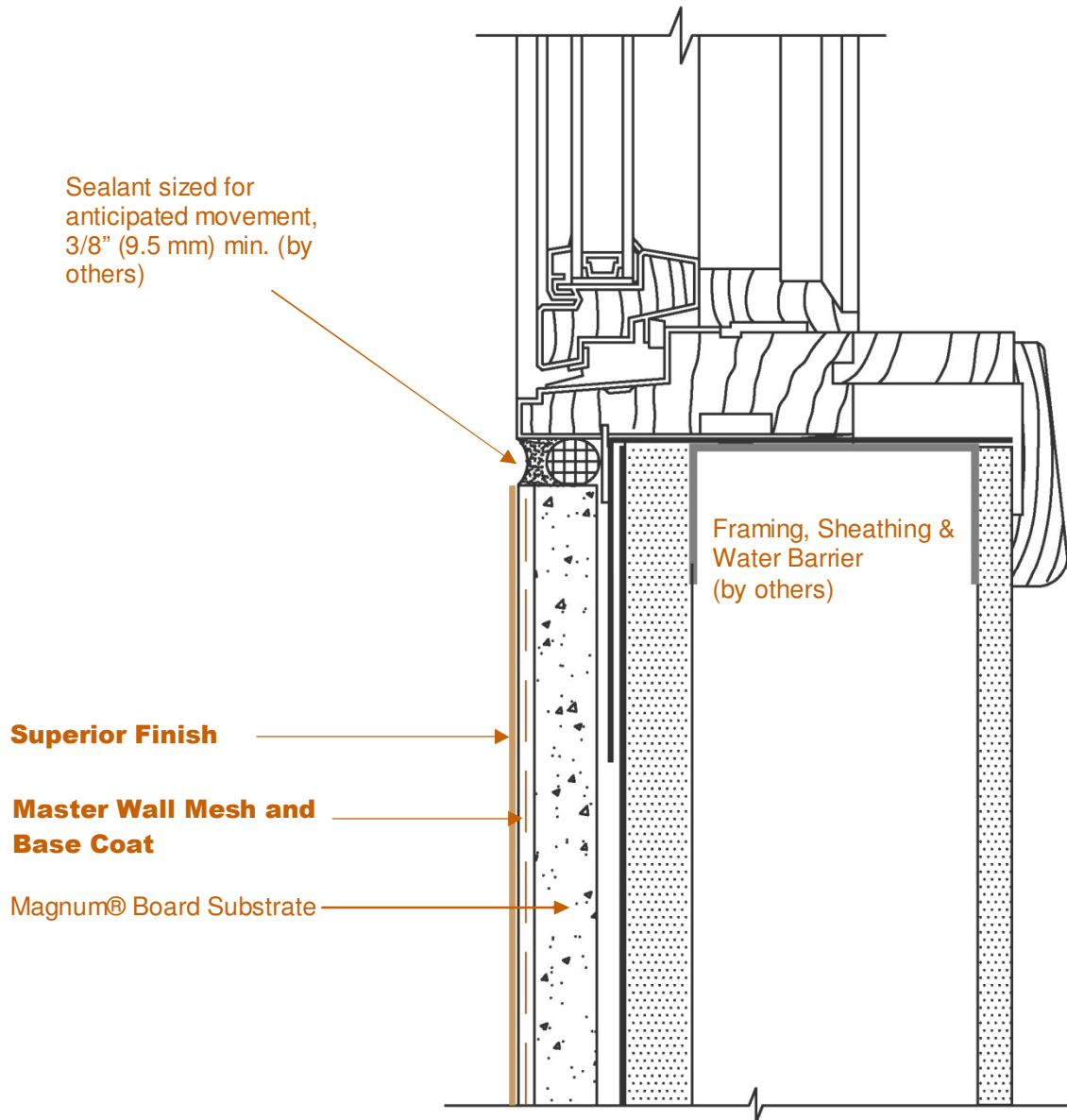


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System Detail



MG-08 Typical Sill Detail

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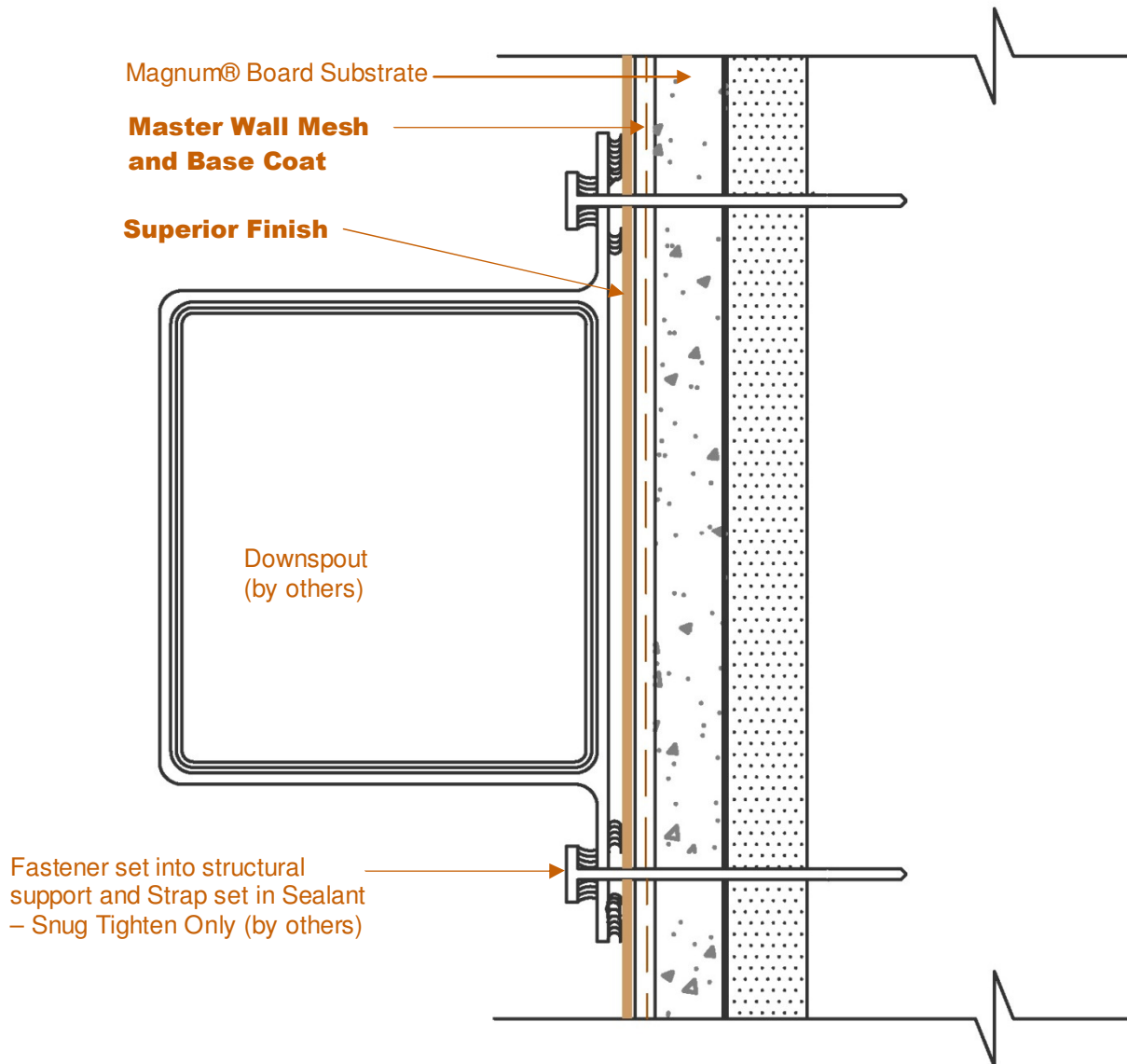


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System Detail



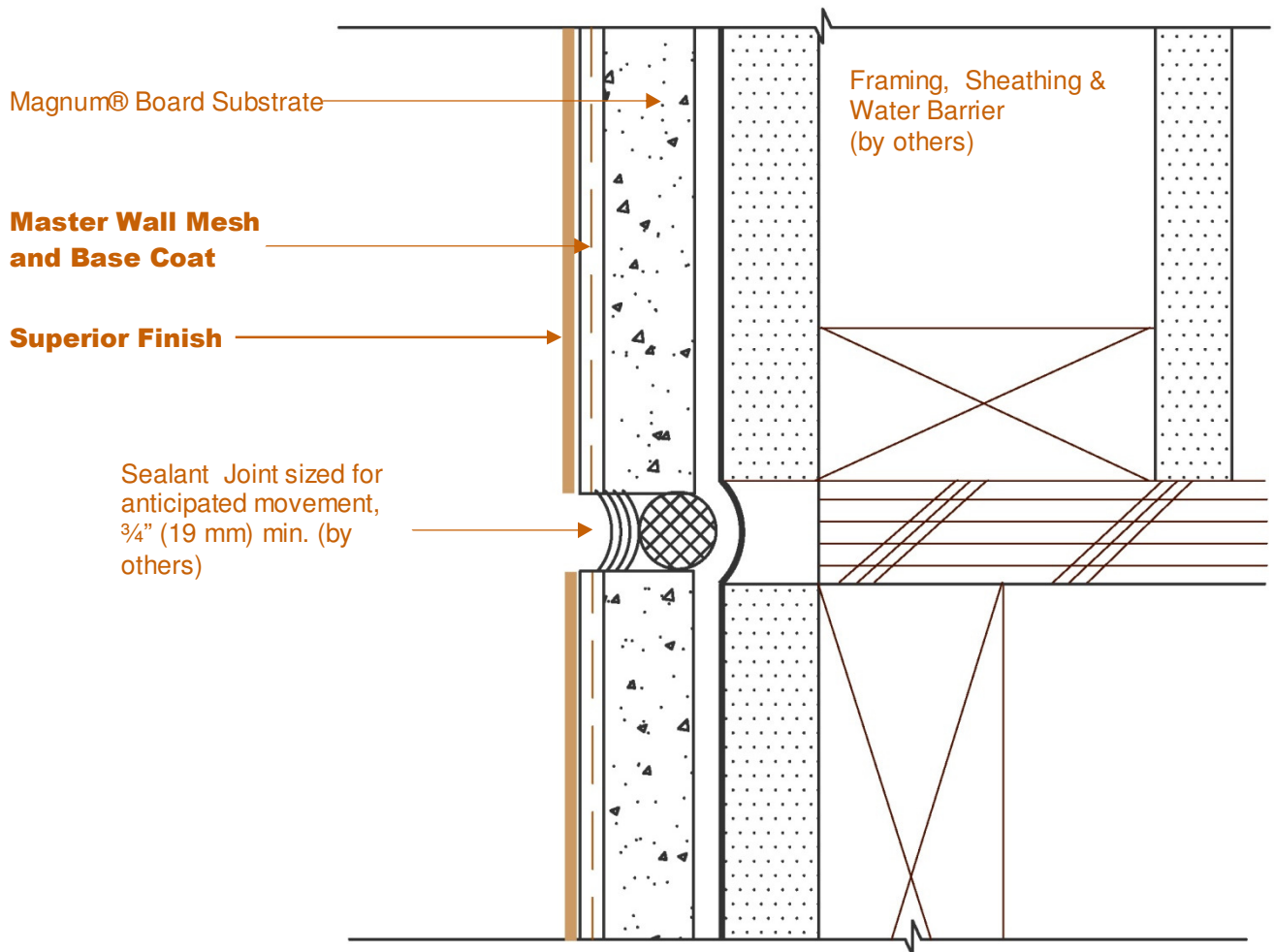
MG-09 Typical Downspout Attachment

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System Detail



MG-10 Typical Horizontal Expansion Joint at Floor Line – Wood Frame Construction

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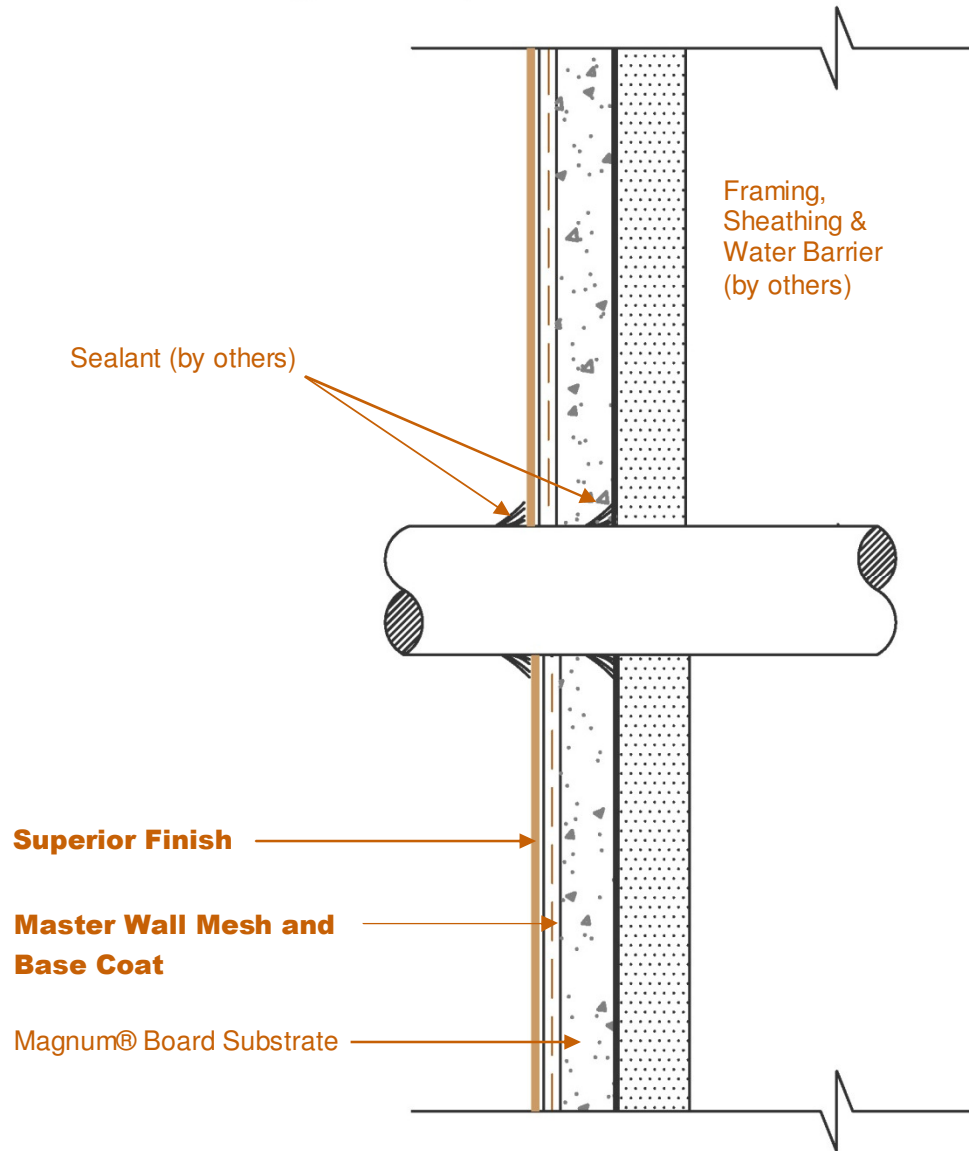
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System Detail



MG-11 Pipe Penetration Detail

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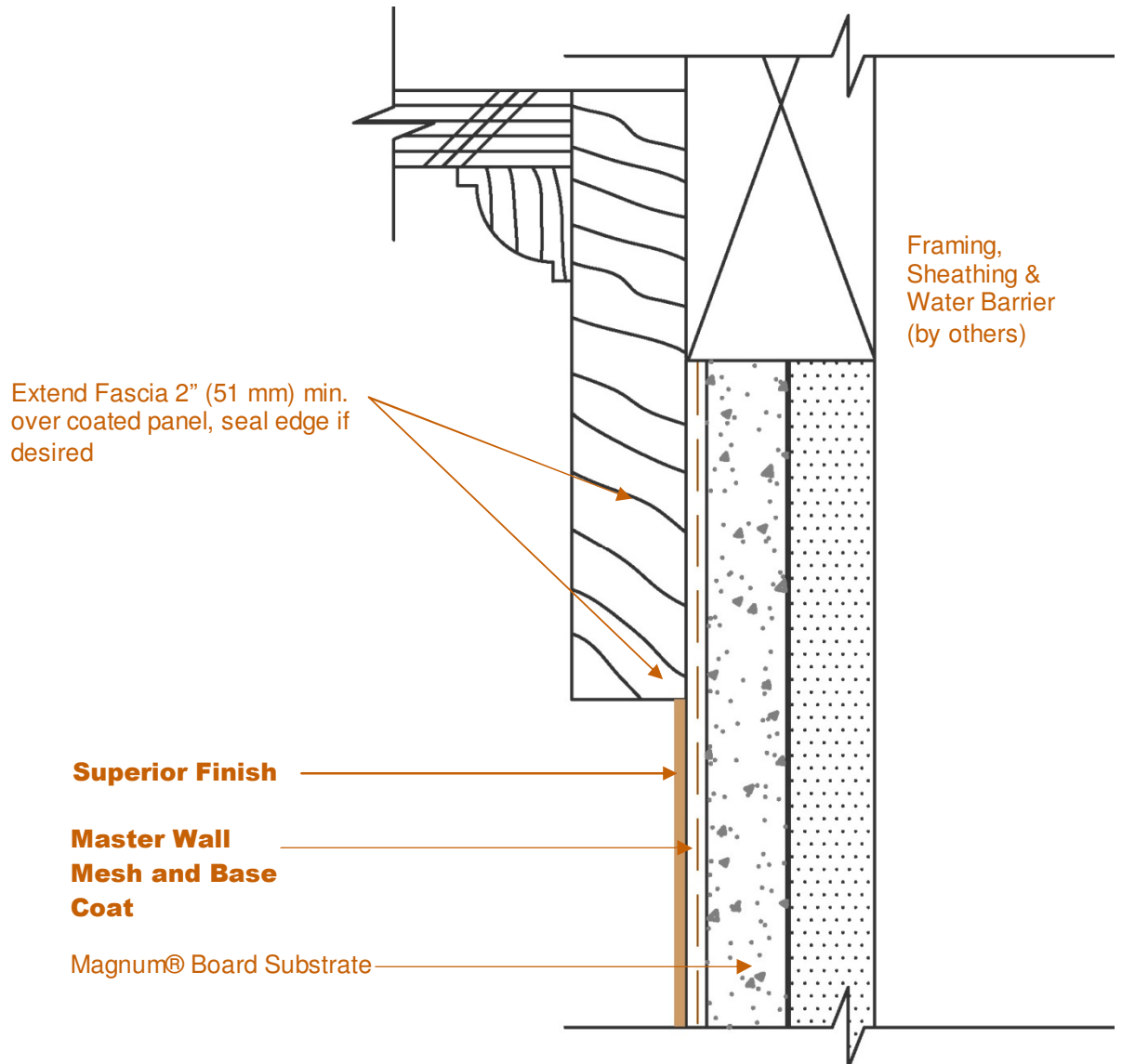


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System Detail



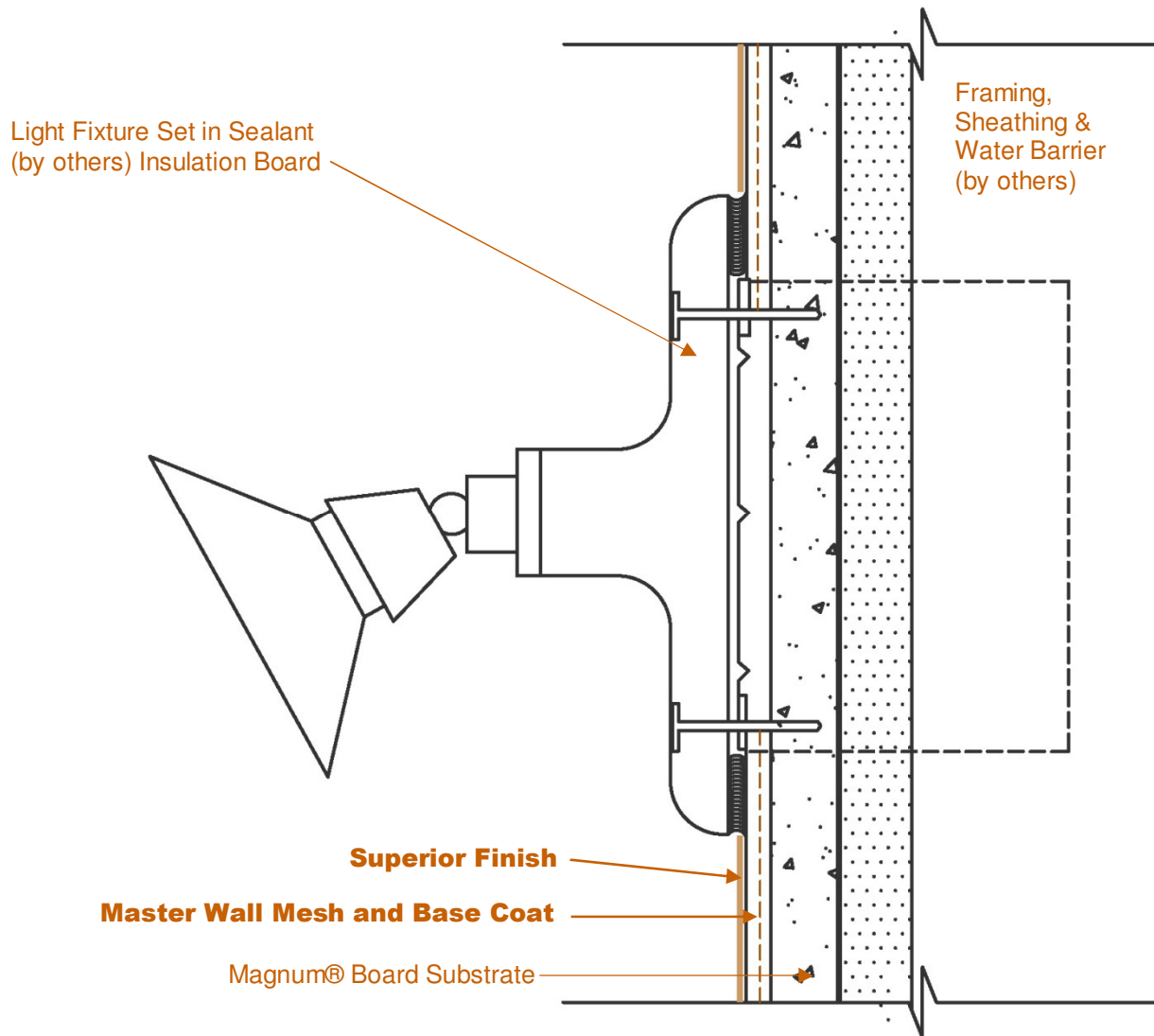
MG-12 Soffit/Gable Termination

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System Detail

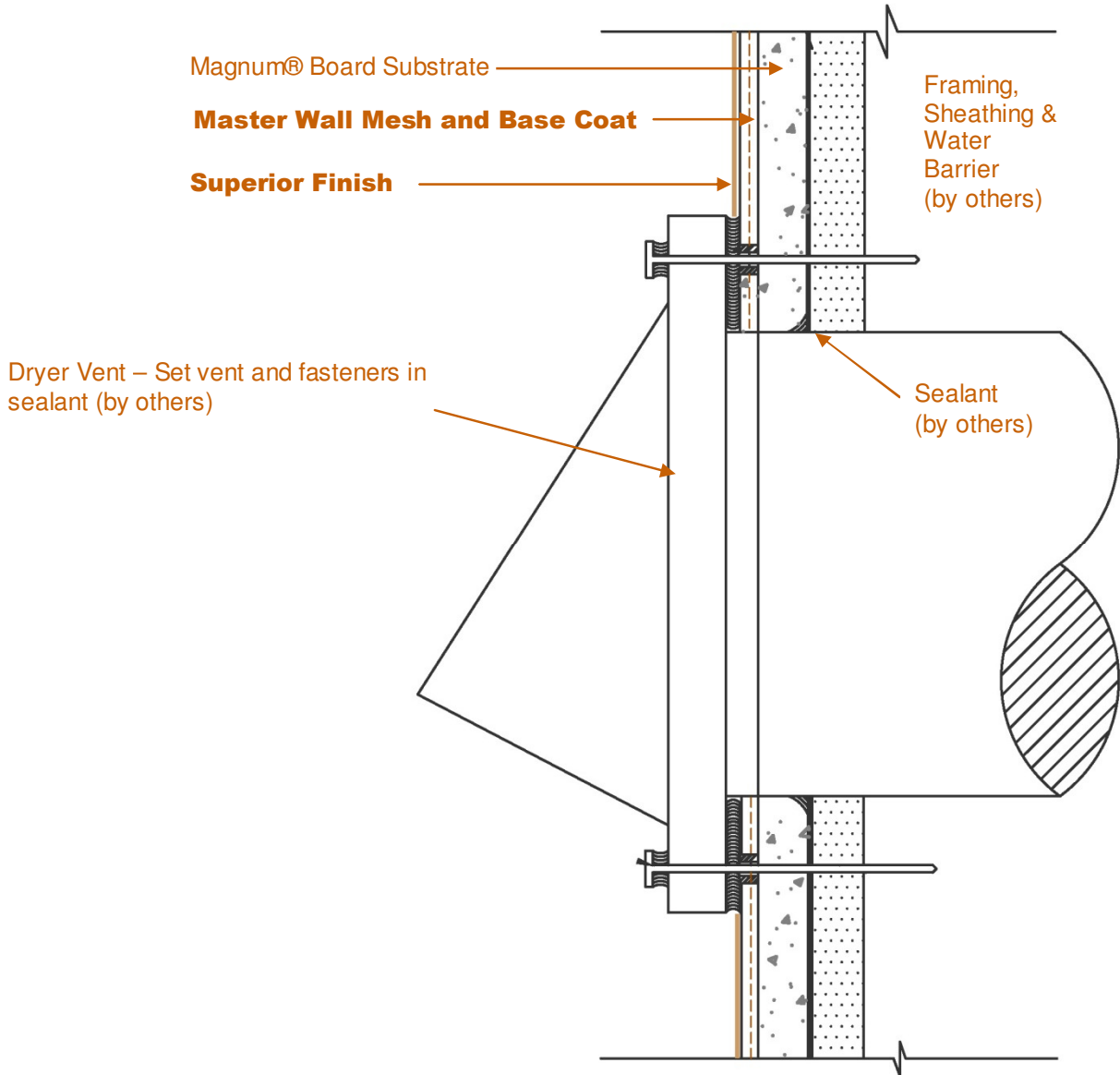


MG-13 Typical Light Fixture

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System Detail



MG-14 Dryer Vent Detail

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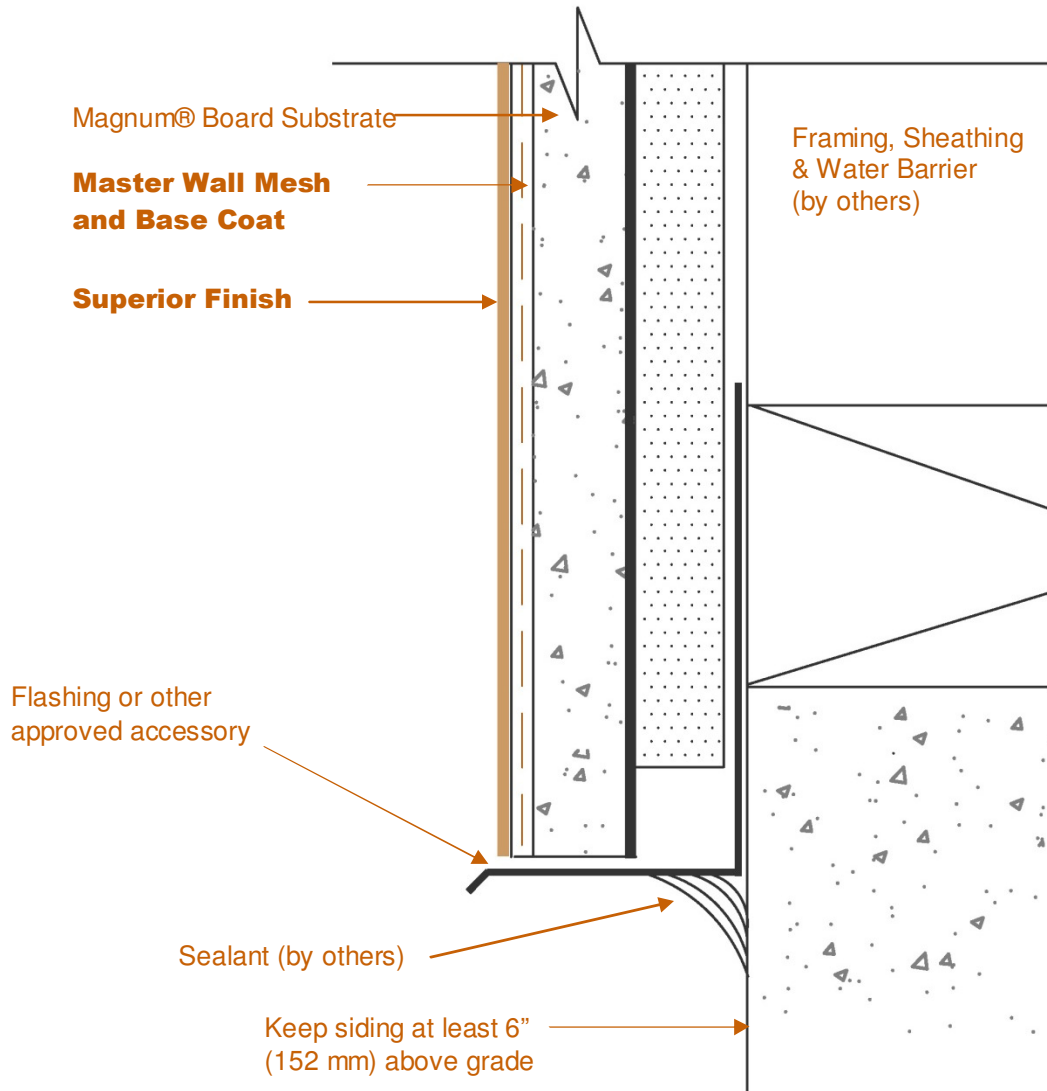


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System Detail



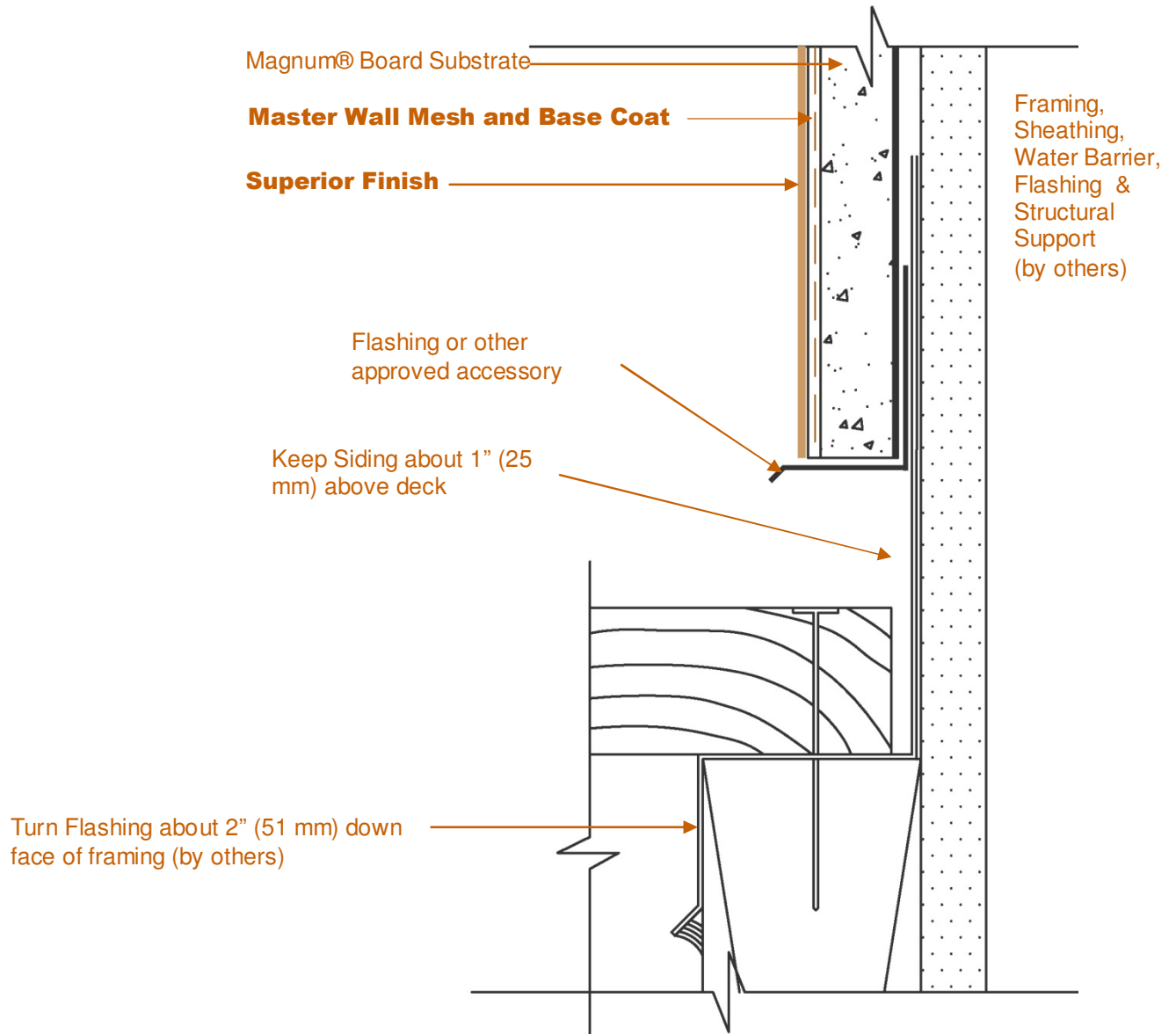
MG-15 Termination at Foundation Detail

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System Detail

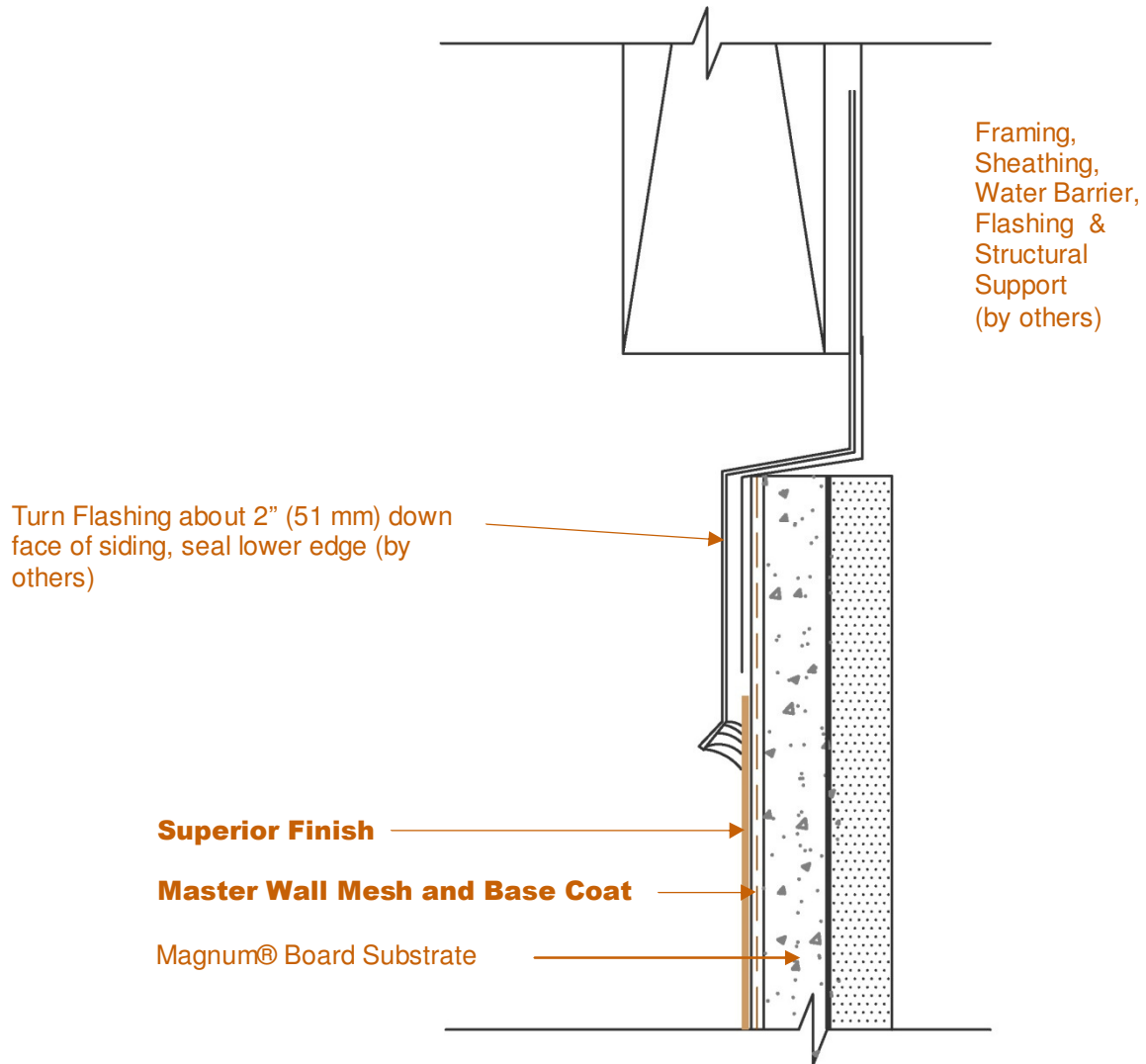


MG-16 Termination at Decking

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System Detail



MG-17 Termination Under Deck

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System Detail

Coping Cap with continuous cleat and secondary water barrier (by others)

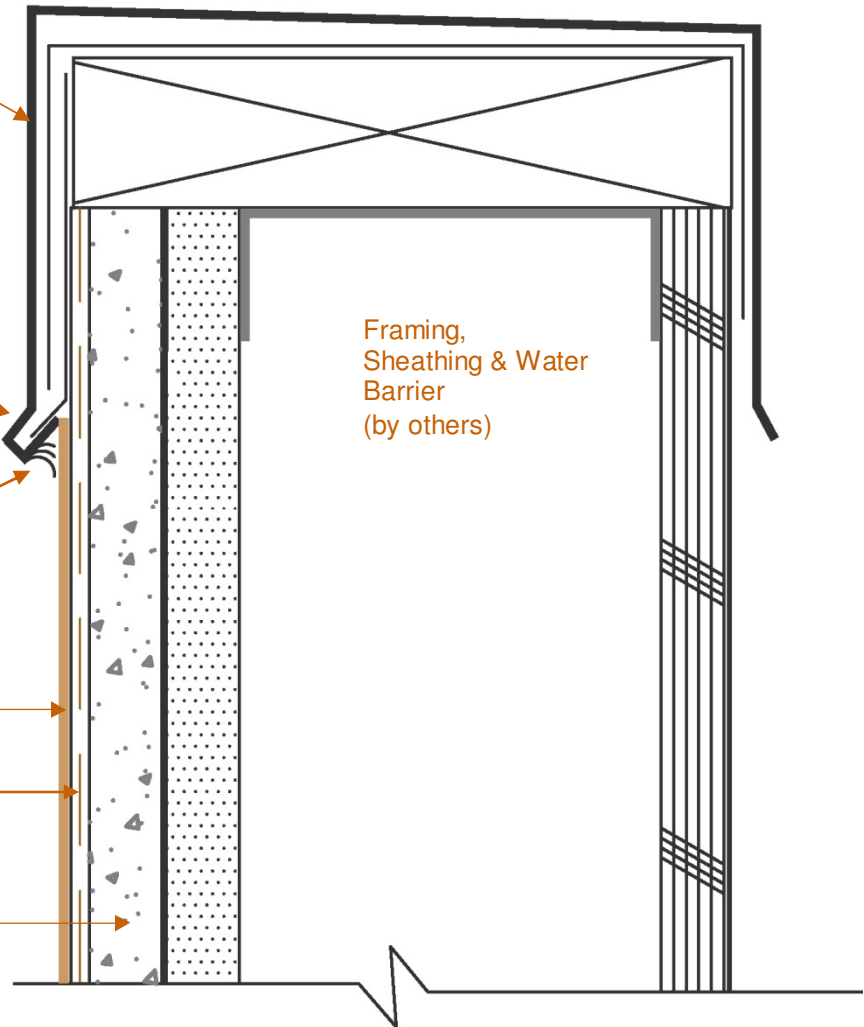
Extend Cap 2" (51 mm) min. over siding

Sealant (by others)

Superior Finish

Master Wall Mesh and Base Coat

Magnum[®] Board Substrate



Framing,
Sheathing & Water
Barrier
(by others)

MG-18 Cap Detail

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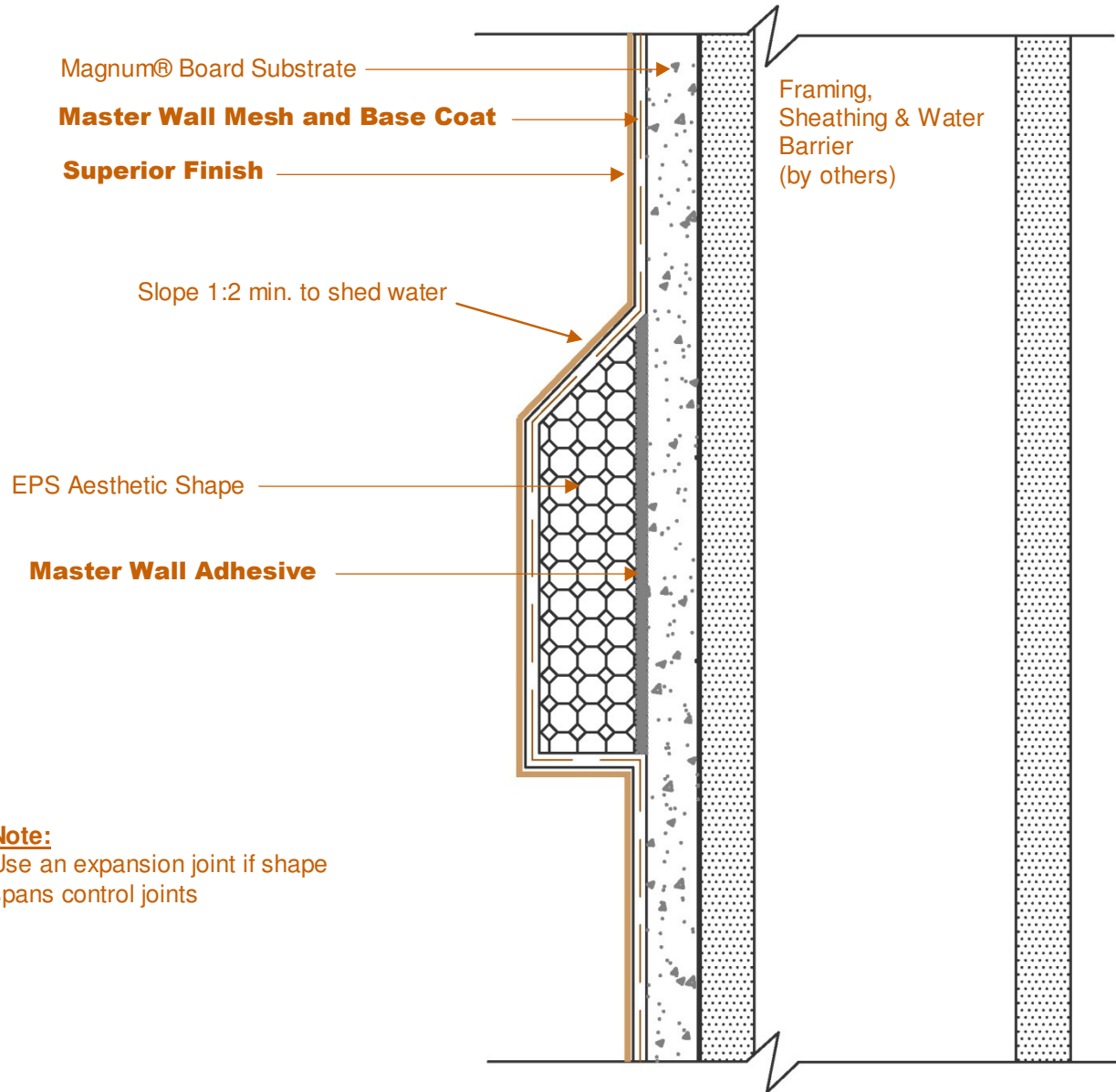
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System Detail



Note:

Use an expansion joint if shape spans control joints

MG-19 EPS Shape Detail

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System Detail

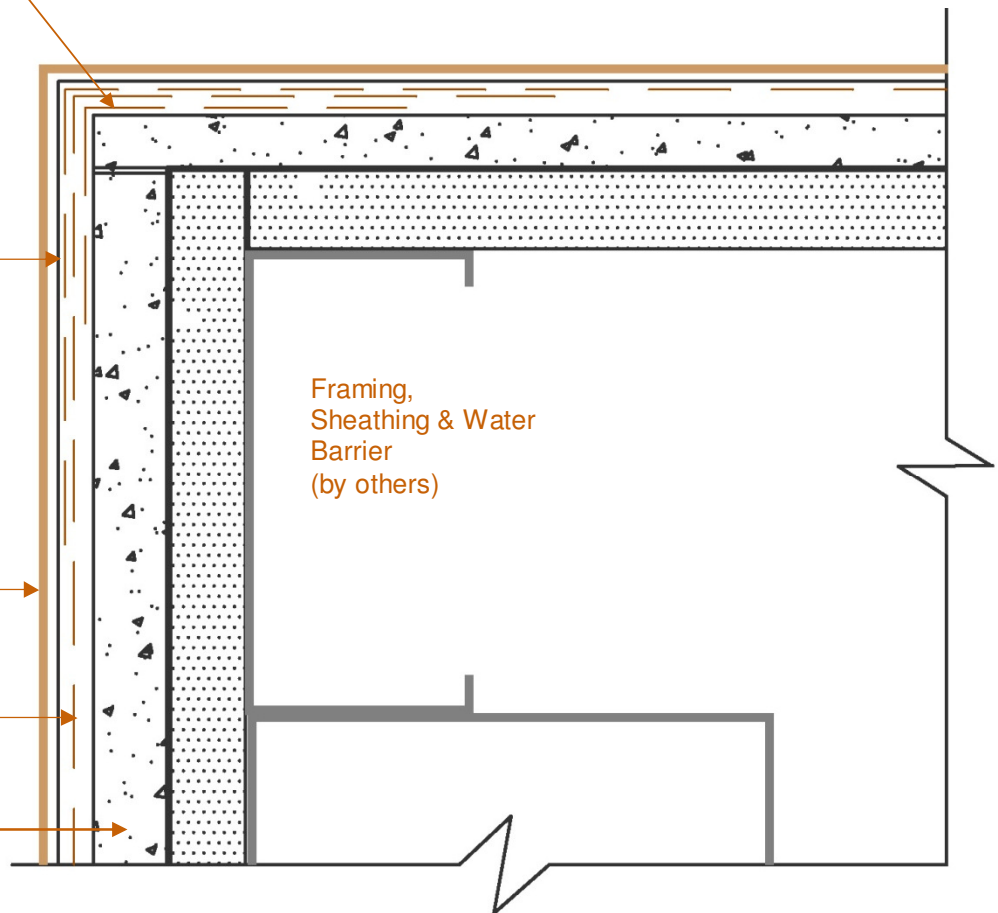
**Master Wall Cement Board
Mesh and Base Coat at
Corners**

**Lap Mesh 12"
(305 mm)
each side of
corner**

Superior Finish

**Master Wall
Mesh and Base
Coat**

**Magnum[®] Board
Substrate**



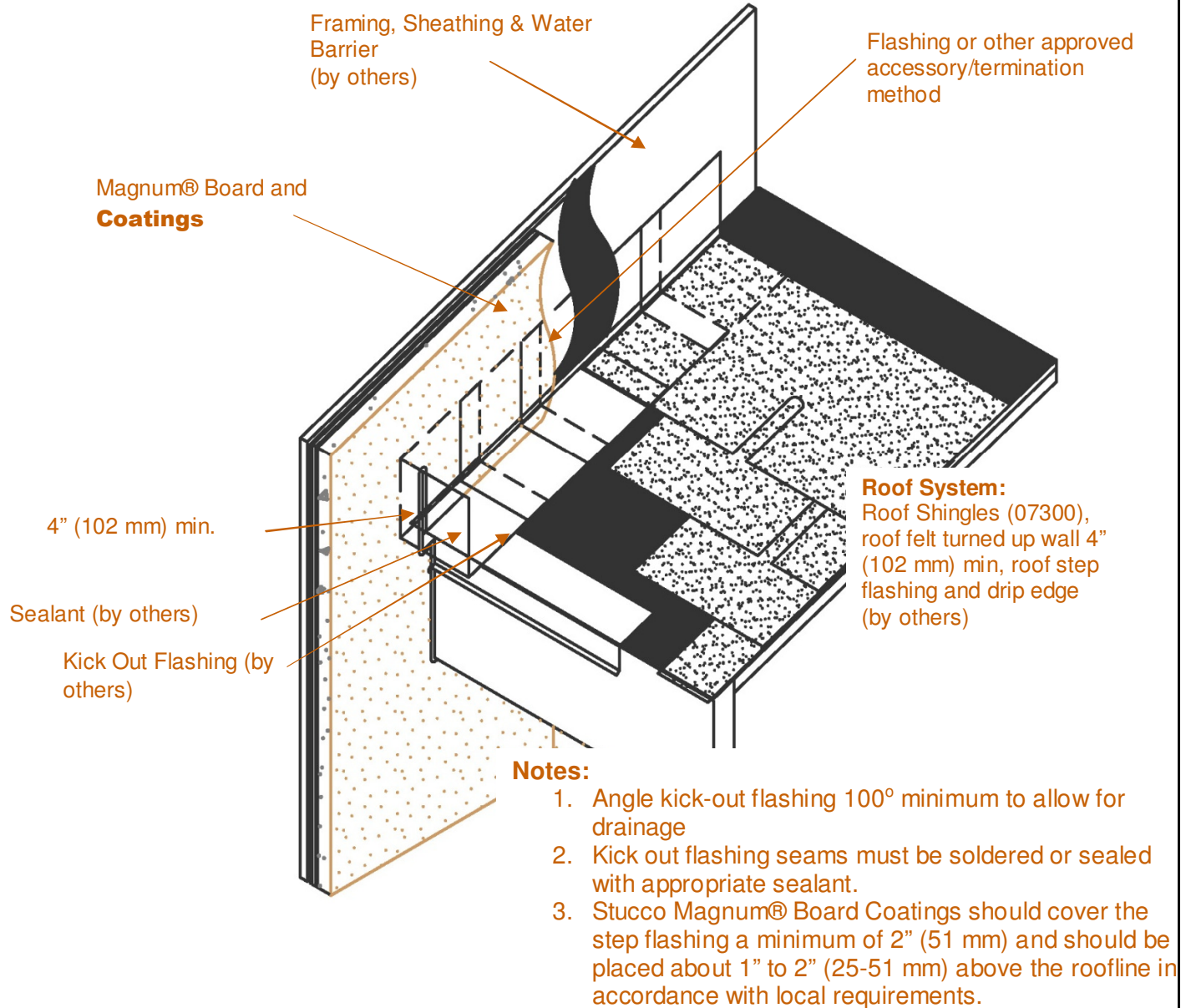
MG-20 Corner Detail

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System Detail



MG-21 Typical Roof/Wall Intersection

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