

# Project Submittal Package



Project:

Location:

Architect:

General Contractor:

Applicator:



## Master Wall Inc.®



[System Data Sheets](#)   [Product Data Sheets](#)   [Sample Warranty](#)

[Specifications](#)   [Details](#)   [Web Link \(click here\)](#)

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**Master Wall Inc.®**  
Building a Culture of Excellence

**LiMa C105 LIGHT MASONRY  
WALL SYSTEM**

The LiMa C105 thin brick and stone system is an economical, lightweight wall cladding applied directly to concrete or masonry surfaces.

The UltraBond adhesive has class leading slump resistance and cures quickly to quickly get your wall system in service.

CIFS® Brick Mortar is available in four colors and mixes easily.

### Features & Benefits

- 5-year limited warranty
- UltraBond adheres strongly to the substrate with high adhesion and low slump properties
- Quality products with great durability



1. Concrete or Masonry surface (by others)
2. UltraBond Adhesive
3. Thin Brick or Stone (by others)
4. Mortar (by others)

## Short Form Specification

### 1.0 General

This is a specification for the application of a Master Wall® Light Masonry (LiMa) application over clean and prepared surfaces of concrete or masonry.

#### 1.1 System Description

The Master Wall® LiMa C105 is a light masonry stone or thin brick application over concrete or masonry. It is applied with UltraBond as the adhesive for ICC-ES AC51 compliant stone or thin brick.

#### 1.2 Design Requirements:

- A. Reference Master Wall® suggested details and architectural drawings for specific detail requirements.
- B. Slope all surfaces a minimum of 1:2 (6" in 12") to shed water, maximum 12" (305 mm) wide.
- C. Maximum deflection of substrates shall not exceed L/360
- D. Typical acceptable substrates include unpainted, cured, clean and dry surfaces of concrete and masonry.
- E. Expansion joints are required in the cladding at building expansion joints, panel joints and other areas where significant movement occurs.

#### 1.3 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.

#### 1.4 Warranty

- A. Application shall include a 5-year limited warranty, please reference the LiMa Warranty Program Limited Warranty.

### 2.0 Products

All components of the LiMa application shall be manufactured by Master Wall® and supplied by an authorized distributor.

- 2.1 Master Wall® Stone/Thin Brick Adhesive: UltraBond: A ready to use dry base adhesive that is field mixed with water.

### 3.0 Installation

- 3.1 Inspect the substrate to ensure that it is free of all foreign materials that would affect application of the weather resistive barrier.
- 3.2 Adhere ICC-ES AC51-compliant stone or thin brick using UltraBond, mixed following data sheet instructions. Allow to cure before proceeding with mortar application.
- 3.3 Mortar with approved mortar, mixed with water following data sheet instructions. Place in joints using a grout bag or similar device and rake/tool when thumb print hard.
- 3.4 Allow the wall system to cure and protect from weather for at least 72 hours before placing in service.

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. ©2025 Master Wall Inc.®



# PRODUCT AND SYSTEM TESTING



**Master Wall Inc.**  
Building a Culture of Excellence



## MASTER WALL® SYSTEMS SPECIFICATION FACT SHEET

- Manufacturer of EIFS, Stucco and Coatings since 1987
- Committed and focused specifically on our industry; privately held and American owned.
- Pioneer in CIFS® (Continuous Insulation and Finish Systems)
- Leader in specialty finishes; CIFS® Wood Grain, CIFS® Brick, Hydrophobic Finishes, Metallics, SuperiorCote coatings
- AWCI Certified EIFS Professional (CEP) accredited Sales and Technical Force
- AIA MasterSpec listed, AIA CES Registered Provider
- Industry Leadership
  - EIMA (EIFS Industry Members Association) – Manufacturer Member and Current President
  - NOCSA (National One Coat Stucco Association) – Manufacturer Member and Current President
  - SMA (Stucco Manufacturer's Association) – Manufacturer Member and Board Member
  - ABAA (Air Barrier Association of America) – Manufacturer Member
  - AWCI (Association of the Wall and Ceiling Industry) – Member
  - FWCCA (Florida Wall & Ceiling Contractors Association) – Member
- Code Compliant EIFS, CIFS® Stucco and Air Barrier Systems (ICC, Miami Dade and Florida Building Code recognized systems)
- Full-service product support including sales and technical aspects of your project
- Labor and Material Limited Warranties exceeding other manufacturers ranging up to 20 years including Single-source envelope warranties with approved Sealant manufacturers.
- DuroTone High Performance Tint Pigments for Improved Color Retention (5-year fade warranty)
- Manufacturing strategically located in Stonecrest GA, Brookshire TX and Payson UT
- Nationwide distributor network that serves most major markets



**Master Wall Inc. continuously tests our products and systems to meet the most current building codes.**

<b>FIRE TESTING</b>			
<b>Test</b>	<b>Test Method</b>	<b>Criteria</b>	<b>Results</b>
Fire Resistance	ASTM E119	No effect on the fire resistance of a rated wall assembly	See Technical Bulletin MW#168-030111 for assemblies
Ignitability	NFPA 268 (BOCA 99/1407.0)	No ignition at 12.5 kw/m <sup>2</sup> at 20 minutes	Pass
Intermediate Multi-Story Fire Test	NFPA 285 (UBC 26-9)	<ol style="list-style-type: none"> <li>1. Resist flame propagation over the exterior surface</li> <li>2. Resist vertical spread of flame within combustible core/component of panel from one story to the next</li> <li>3. Resist vertical spread of flame over the interior surface from one story to the next</li> <li>4. Resist lateral spread of flame from the compartment of fire origin to adjacent spaces</li> </ol>	Pass
Surface Burning Characteristics— Base Coat, Mesh and Finish	ASTM E84	All components shall have a: Flame Spread < 25 Smoke Developed < 450	Flame Spread = 0 Smoke Developed = 0
Surface Burning Characteristics— Rollershield	ASTM E84	All components shall have a: Flame Spread < 25 Smoke Developed < 450	Flame Spread = 5 Smoke Developed = 5
Heat and Smoke Release Rates for Rollershield Air/ Water Barrier	ASTM E1354, IBC Section 1403.5, Exception 2 Requirements	Peak Heat Release Rate <150 kWm <sup>2</sup> Total Heat Release Rate <20 MJ/m <sup>2</sup> , Effective Heat of Combustion <18 MJ/kg	RS: Peak Heat Release Rate = 32 kWm <sup>2</sup> , Total Heat Release Rate = 3.6 MJ/m <sup>2</sup> , Effective Heat of Combustion = 2.5 MJ/kg, VB: Peak Heat Release Rate = 336 kWm <sup>2</sup> , Total Heat Release Rate = 8.8 MJ/m <sup>2</sup> , Effective Heat of Combustion = 9.3 MJ/kg

<b>MESHES AND INSULATION BOARD</b>			
<b>Test</b>	<b>Test Method</b>	<b>Criteria</b>	<b>Results</b>
Reinforcing Mesh Alkali Resistance of Reinforcing Mesh	ASTM E2098 (formerly EIMA 105.01)	>21dN/cm (120 pli) retained tensile strength after exposure	Pass
EPS (Physical Properties)			
Density	ASTM C303, D1622	15.2-20.0 kg/m <sup>3</sup> (0.95-1.25 lb/ft <sup>3</sup> )	Pass
Thermal Resistance	ASTM C177, C518	4.0 @ 4.4 °C (40 °F)	Pass
Water Absorption	ASTM C272	3.6 @ 23.9 °C (75 °F)	
Oxygen Index	ASTM D2863	2.5 % max. by volume	Pass
Compressive Strength	ASTM D1621 Proc. A	24% min. by volume	Pass
Flexural Strength	ASTM C203	69 kPa (10 psi) min.	Pass
Flame Spread	ASTM E84	172 kPa (25 psi) min.	Pass
Smoke Developed		25 max. 450 max.	Pass Pass



## EIFS & COATING

Test	Test Method	Criteria	Results
Abrasion Resistance	ASTM D968	No deleterious effects after 500 liters (528 quarts)	Pass
Accelerated Weathering	ASTM G155 Cycle 1	No deleterious effects after 2000 hours	Pass
Accelerated Weathering	ASTM G23 (G152 & 153)	No deleterious effects after 2000 hours	Pass
Accelerated Weathering	ASTM G53	No deleterious effects after 2000 hours (QUV)	Pass
Freeze-Thaw	ASTM E2485 (formerly EIMA 101.01)	No deleterious effects after 60 cycles	Pass
Freeze-Thaw	ASTM C67 modified/ICBO AC24	No deleterious effects after 10 cycles	Pass
Freeze-Thaw	ASTM E2485/ICC-ES Proc. ICC ES (AC 235)***	No deleterious effects after 10 cycles	Pass
Mildew Resistance	ASTM D3273	No growth during 28 day exposure period	Pass
Water Resistance	ASTM D2247	No deleterious effects after 14 days exposure	Pass
Impact	ASTM D5420	Gardner Impact Falling Weight	Pass
Salt Spray Resistance	ASTM B 117	No deleterious effects after 300 hours exposure	Pass
Water Penetration	ASTM E331 ICC ES (AC 235)***	No water penetration beyond the inner-most plane of the wall after 15 minutes at 137 Pa (2.86 psf)	Pass at 2.86 psf (137 Pa), 6.24 psf (299 Pa), and 12.0 psf (575 Pa) consecutively
Water Vapor Transmission	ASTM E 96 Water Method	Vapor permeable perm (ng/Pa.s.m <sup>2</sup> )	EPS 5 perm-inch (114) Base Coat* 12 (679) Finish** 12 (674)
Component-Specific Weather Protection	IBC 1403	2-hour water test of EIFS and specific components	Pass
Drainage Efficiency	ASTM E 2273 ICC ES (AC 235)***	Minimum Drainage Efficiency of 90%	Aggre-flex Drainage 97.8% Rollershield Drainage 99.2% QRW1 Drainage 97.8%
* Base Coat perm value based on Master Wall F&M ** Finish perm value based on Master Wall Perfect Texture *** AC 235 (ASTM E 2568) – Acceptance Criteria for EIFS Clad Drainage Wall Assemblies			
Tensile Bond	ASTM C297/E2134	Minimum 15 psi (104 kPa) – substrate or insulation failure	Plywood/EPSA 67 psi (464) OSB/ EPSA 22 psi (152) Brick/F&M 105 psi (728) Concrete/F&M 94 psi (651) Gypsum/F&M 30 psi (208)
Tensile Bond	ASTM D897	Bond strength before and after 2000 hours florescent UV condensation weathering.	Before 24.6 psi After 22.7 psi
Transverse Wind Load	ASTM E330	Withstand positive and negative wind loads as specified by the building code	Pass. Assemblies vary from 68-287 psf*
* Ultimate wind loads – contact Master Wall for specific assemblies.			



### IMPACT RESISTANCE (ASTM E2486/EIMA 101.86)

Description	OZ/SY	IN-LB Results	Joules	EIMA Classification
Standard Mesh	4.5	50-89	6-10	Medium
Hi-Tech Mesh	6.0	50-89	6-10	Medium
Medium Mesh	10.4	50-89	10-17	Medium
Medium & Standard Mesh	10.4 & 4.5	90-150	10-17	High Impact
Strong & Standard Mesh	15.0 & 4.5	Over 150	>17	Ultra High Impact
Ultra & Standard Mesh	21.0 & 4.5	Over 150	>17	Ultra High Impact

### CEMPLASTER FIBERSTUCCO

Test	Test Method	Criteria	Results
Finishes & Coatings	Varies		Reference EIFS & Coatings Data
Freeze-Thaw	ICC AC11	No deleterious effects after 10 cycles	Pass
Transverse Load	ICC AC11/ASTM E330	Withstand positive and negative wind loads as specified by the building code	Pass. Assemblies vary from 81-124 psf*
Compressive Strength	ASTM C109	Average load for cured sample	1910 psi
Fire Resistance	ASTM E119	No effect on the fire resistance of a rated wall assembly	See Technical Bulletin MW#168-030111 for assemblies
Combustibility	ASTM E136	Standard Test Method for Assessing Combustibility of Materials in a Vertical Tube Furnace at 750°C, Option A	Pass
Accelerated Weathering	ASTM G26/G155	No deleterious effects after 2000 hours	Pass

\* Ultimate wind loads – contact Master Wall for specific assemblies.



## ROLLERSHIELD LAB (LIQUID APPLIED AIR/WATER BARRIER)

Test	Test Method	Criteria	Results
Solids Content	Calculation		Rollershield RS – 69.52% solids by weight (55.05% by volume), Rollershield TG – 73.85% solids by weight (60.12% by volume), Rollershield VB – 68.19% solids by weight (52.97% by volume)
Tensile Bond	ASTM C297/E2134 ICC ES (AC 212)*	Minimum 15 psi (104 kPa)	Dens Glass Gold 31 (215), Exterior Gypsum 28 (194), OSB 40 (277), Plywood 79 (563), Cement Board 70 (485), Copper 185 (1282), Galvanized steel 180 (1248), PVC 168 (1165), Aluminum 184 (1275), Coated Aluminum 203 (1407), Stainless Steel 183 (1269)
Freeze-thaw	ASTM E2485/ICC-ES Proc. ICC ES (AC 212)*	No deleterious effects after 10 cycles	Pass: Plywood, Cement Board, OSB, Exterior Gypsum (ASTM C79/C1396) and Dens Glass Gold (ASTM C1377) substrates
Water Resistance	ASTM D2247 ICC ES (AC 212)*	No deleterious effects after 14 days exposure <sup>1</sup>	Pass: Plywood Cement Board, OSB, Exterior Gypsum (ASTM C79/C1396) and Dens Glass Gold (ASTM C1377) substrates
Water Vapor Transmission	ASTM E96 Proc. B ICC ES (AC 212)*	Vapor Permeable	30 perms (Rollershield RS) <sup>2</sup> 12 perms (Rollershield TG) 0.07 perms desiccant (A), 1.35 perms water (B)(Rollershield VB)
Air Permeance	ASTM E2178	No ICC or ANSI/EIMA Criteria ASHRAE/IECC max. 0.004 cfm/ft <sup>2</sup> @ 1.57 psf	0.001 cfm/ft <sup>2</sup> @ 1.57 psf 0.001 L/s/m <sup>2</sup> @ 75 Pa
Air Leakage	ASTM E2357	No ICC or ANSI/EIMA Criteria ASHRAE/IECC max. 0.04 cfm/ft <sup>2</sup> @ 1.57 psf	0.0006 cfm/ft <sup>2</sup> @ 1.57 psf, 0.003 L/s/m <sup>2</sup> @ 75 Pa 0.04 cfm/ft <sup>2</sup> @ 6.24 psf, 0.02 L/s/m <sup>2</sup> @ 300 Pa
Structural Performance	ASTM E1233 Proc. A ICC ES (AC 212)*	Minimum 10 positive cycles at 1/240 deflection; No cracking in field, at joints or interface with flashing	Pass
Racking	ASTM E72 ICC ES (AC 212)*	No cracking in field, at joints or interface with flashing at net deflection of 3.2 mm (1/8 inch)	Pass
Restrained Environmental	ICC-ES Procedure ICC ES (AC 212)*	5 cycles; No cracking in field, at joints or interface with flashing	Pass
Water Penetration	ASTM E331 ICC ES (AC 212)*	No water penetration beyond the inner-most plane of the wall after 15 minutes at 137 Pa (2.86 psf)	Pass
UV Exposure	ICC ES Proc. ICC ES (AC 212)*	210 hours of exposure, rated for 6 months of exposure	Pass
Accelerated Aging	ICC ES Proc. ICC ES (AC 212)*	25 cycles of wetting and drying	Pass
Hydrostatic Pressure Test	AATCC 127 ICC ES (AC 212)*	ICC: 549 mm (21.6 in) water column for 5 hours	Pass
Surface Burning Characteristics	ASTM E84	Flame Spread < 25 Smoke Developed < 450	Pass
Intermediate Multi-Story Fire Test	NFPA 285 (UBC 26-9)	No flame spread with up to 4" insulation	Pass
Nail Sealability	ASTM D1970	Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection	Pass (22 mils)
Heat and Smoke Release Rates	ASTM E1354, IBC Section 1403.5, Exception 2 Requirements	Peak Heat Release Rate <150 kW/m <sup>2</sup> , Total Heat Release Rate <20 MJ/m <sup>2</sup> , Effective Heat of Combustion <18 MJ/kg	RS: Peak Heat Release Rate = 32 kW/m <sup>2</sup> , Total Heat Release Rate = 3.6 MJ/m <sup>2</sup> , Effective Heat of Combustion = 2.5 MJ/kg, VB: Peak Heat Release Rate = 336 kW/m <sup>2</sup> , Total Heat Release Rate = 8.8 MJ/m <sup>2</sup> , Effective Heat of Combustion = 9.3 MJ/kg

\* (AC212 – Acceptance Criteria for Water-Resistive Coatings Used as Water-Resistive Barriers over Exterior Sheathing, also referred to as ASTM E 2570

1. No cracking, checking, rusting, crazing, erosion, blistering, peeling, or delamination when viewed under 5x magnification
2. Defined as a Class III vapor retarder per the 2015 IBC and IRC





## PRODUCT DATA

### ULTRABOND VENEER MORTAR ADHESIVE

UltraBond is a premium, polymer-fortified, adhesive mortar for the application of thin brick, synthetic and natural stone products, ceramic tile and quarry tile. UltraBond Veneer Mortar Adhesive mixes easily with water to a creamy consistency and is formulated with high initial grab and shear resistance.

#### FEATURES & BENEFITS

- Non-Sag
- Strong adhesion with Thin Brick and synthetic stone products
- Class leading shear bond strength
- Mixes easily with good open time
- Vapor Permeable - resists blistering and allows trapped water vapors to pass
- Freeze stable in dry form

Application Temperature: 40°-110°F (5°-43°C) Working Time: 1 hr. Set Time: 8-12 hrs. Dry Time: 12 hrs. at room temperature, working and drying time will vary with temperature and humidity.

#### SURFACE PREPARATION & MIXING

Job Conditions - Air and substrate temperature for application of UltraBond 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.

Installer must verify that deflection IS L/360 minimum or greater in compliance with veneer structural requirements.

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 (4.7-5.7 L) of potable water to a clean plastic pail. Add the UltraBond slowly while stirring using a heavy-duty 1/2" (12.7 mm) drill at 400 - 500 rpm and a heavy-duty mixer. Mix thoroughly to a homogeneous but stiff consistency. Let the mixture stand for 5 to 10 minutes and then remix without adding any more water or powder. During use, stir occasionally to keep mix fluffy. DO NOT temper with water. Excessive stirring may cause faster setting and reduced working time. Do not add accelerators or retarders to the UltraBond mixture.

#### Coverage per Bag \*

1/4" x 3/8" (6 mm x 9 mm) Notched Trowel:  
60-70 Ft<sup>2</sup>, 5.6-6.5 m<sup>2</sup>

1/2" x 1/2" (12 mm x 12 mm) Notched  
Trowel:  
40-45 Ft<sup>2</sup>, 3.7-4.2 m<sup>2</sup>

#### Adhered Masonry Veneer Application

Method:  
30-33 Ft<sup>2</sup>, 2.8-3.1 m<sup>2</sup>

*\*All coverage is approximate and depend upon substrate, details and individual application*

#### Packaging/Shelf Life/Storage

Packaging: 50 lb. (22.7 kg) bag

Shelf Life: 2 years

Storage: Protect from moisture and high humidity.

#### Technical Data

##### Compression (ASTM C270)

24 hours - 500 psi

7 day - 2700 psi

28 day - 3350 psi

##### Tensile (ANSI A118) Glazed/Mosaic

7 day - 315 psi / 305 psi

28 day - 500 psi / 290 psi

##### Shear Bond (ANSI A118.15) Glazed/Mosaic

7 day dry - 475 psi / 460 psi

7 day wet - 390 psi / 400 psi

28 day dry - 625 psi / 450 psi

##### Sag Resistance

(ISO 13007 24.2)

Quarry Tile - 0.0

Large Scale Tile - .485

Full Scale Stone - 0.0

Hazard: Considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

VOC: Less than 50 g/L.

## APPLICATION PROCEDURE

Prior to installation, ensure back of veneer units are clean of dust, laitance, loose concrete crumbs and any excess film that could impede bond. Porous and excessively dry substrates such as cement board, masonry or stucco may need to be wetted to avoid excessive absorption, allow to dry to the touch. Verify wetting requirements with the veneer manufacturer.

For adhered stone, thin brick and manufactured stone masonry veneers installations, use a gauging trowel to key a thin coat of UltraBond Veneer Mortar Adhesive to cover entire back of the veneer units. Spread additional mortar onto the back of the skim coated veneer sufficient to completely fill the space between the veneer and the substrate when compressed against the substrate (wet on wet). Press the mortar covered back of the veneer against the substrate at the desired final position. Slide the unit roughly 1 -1.5" (25-38 mm) diagonally from the desired final position and back into the desired position while maintaining even pressure. This should be done in such a manner as to squeeze the mortar to fill the entire space between the veneer unit and the substrate, allowing excess mortar to extrude on all sides around the veneer unit. Clean excess extruded mortar with trowel and spread onto the next veneer unit to be installed.

Alternate method for thin brick, tile, calcium silicate unit and stone installations: key UltraBond Veneer Mortar Adhesive into the substrate thoroughly. Then, comb on additional mortar with the notched side, use 1/4" x 3/8" (6 mm x 9 mm), 1/2" x 1/2" (12 mm x 12 mm) loop or notch trowel. Back butter all thin brick, veneer units 8" x 8" (200 mm x 200 mm), 3/4" (19 mm) loop trowel or larger to provide full bedding of the veneer. Place veneer into the mortar and adjust to desired position. Clean any excess mortar on sides of stone or tile veneer.

Note: Use proper sized notched trowel to ensure full bedding of the stone veneer. Spread only enough mortar for maximum coverage with tile within 15 -20 minutes. Trowel notch size determined by contractor, size of veneer and job-site coverage. Adjust as necessary. Check mortar for complete coverage by periodically removing veneer unit and inspecting the transfer onto substrate and back of the stone veneer. The size and weight of the veneer will vary. Due to job site conditions and differences in finish material types; ledger boards, shims, wedges or spacers may be required to maintain finish levels and heights.

Grouting/Pointing (if required) - When required, point installation after a minimum of 24 hours curing time at 70°F (21°C). With an approved premium grout or mortar.

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

### WARNING, THIS PRODUCT CONTAINS SILICA

If sanding or scraping are performed, ventilate work area and/or use a NIOSH/MSHA-approved respirator in accordance with our Safety Data Sheet.

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. ©2024 Master Wall Inc.®



## Approved Substrates

Stucco (Scratch or Brown)  
Mortar Parge Coat  
Master Wall Base Coats  
Durock®  
PermaBase®  
Util-A-Crete®  
ProTEC®, ProGUARD®  
Concrete  
Brick  
Masonry  
Metal Lath  
Adheres to Rollershield  
Others approved in writing

## Health & Safety

**WARNING!** Causes eye and skin irritation. Precautionary Statement Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

## FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.

Skin Contact: Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Store locked up. Dispose of contents/container in accordance with Local, State, Federal and Provincial regulation.

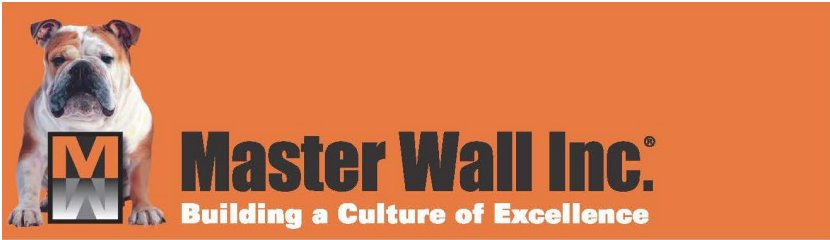
Spills: Collect with suitable absorbent material such as cotton rags.

Disposal: Dispose of in accordance with local, state or federal regulations.

Warning: KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. Consult the Safety Data Sheet (SDS) in the Products section at masterwall.com for further health and safety information.

## LIMITED WARRANTY

This product is subject to a written limited material or system warranty. Obtain a warranty from the Tech Support tab of our website. Refer to Specifications for more complete information on proper use and handling of this product.



# SAMPLE WARRANTY

## Master Wall® Light Masonry (LiMa) Program Limited Warranty

LiMa Assemblies LiMaW105, LiMaW205, LiMaM105, LiMaC105: 5 years  
LiMa Assemblies LiMaW110, LiMaW210, LiMai310TV, LiMai410CB, LiMai510CB: 10 years  
LiMa Assemblies LiMaW120, LiMaM120, LiMaM220, LiMaM320, LiMaM420: 20 years  
LiMa Assemblies LiMaC130, LiMaC230: 30 years

Master Wall Inc.® warrants the properly designed and installed Master Wall Inc.® materials for the term noted above from the date of installation over the listed, approved Light Masonry (LiMa) assemblies. Subject to the conditions and limitations stated below, Master Wall Inc.® warrants that the products listed on this document will be free from manufacturing defects and will not break down or deteriorate under normal usage for term stated above from the date of purchase when installed in accordance with the written specifications of Master Wall Inc.® and industry standard guidelines. For this limited warranty to apply, the applications that comprise the installation must be performed with the products listed in this document for each application (LiMa Assemblies). Please refer to individual product data sheets for specific guidelines.

Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed  $L/360$  where  $L$ =span length. Applications must not exceed 30 ft (9.1 m) in height or 25,000 ft<sup>2</sup> (2,250 m<sup>2</sup>) in area. Installations must conform to all applicable building codes including the International Building Code (IBC) and International Residential Code (IRC) requirements.

### DISCLAIMER

THIS LIMITED WARRANTY IS GIVEN IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES BASED ON SAMPLES OR ORAL STATEMENTS, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE OF THIS DOCUMENT. IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED.

### EXCLUSIONS

Master Wall Inc.® is not responsible for workmanship not in accordance with the instructions of Master Wall Inc. and industry standard guidelines. Cracking due to structural movement, excessive deflection or other failure in the substrate is also not covered. Master Wall Inc.® IS NOT LIABLE FOR ANY INCIDENTAL DAMAGES OR CONSEQUENTIAL DAMAGES, INCLUDING LOSSES DUE TO DELAYS, INCURRED BY THE PURCHASER OR ANY OTHER PARTY.

### NO ASSIGNMENT

This limited warranty is not transferable or assignable.

### EXCLUSIVE REMEDY

The sole and exclusive remedy for a breach of this limited warranty is replacement of only the specific portion of the installation that is proven to be defective\*. Master Wall Inc.® will pay for replacement of its own products and replacement of finishing materials, as well as for labor for the replacement installation, but Master Wall Inc. will not pay more, calculated on a square-foot (square-meter) basis, for the replacement than the original purchase price of the portion being replaced. Master Wall Inc.® will not pay for the replacement of any portion of the installation that is not proven to be defective.

In the event that the sole and exclusive remedy described above fails of its essential purpose, the liability of Master Wall Inc.® is limited to the monetary value, on a square-foot (square-meter) basis, of the original purchase price of the portion being replaced.

\* NOTE: Efflorescence is a normal condition of Portland cement mortars and is not a defective condition.

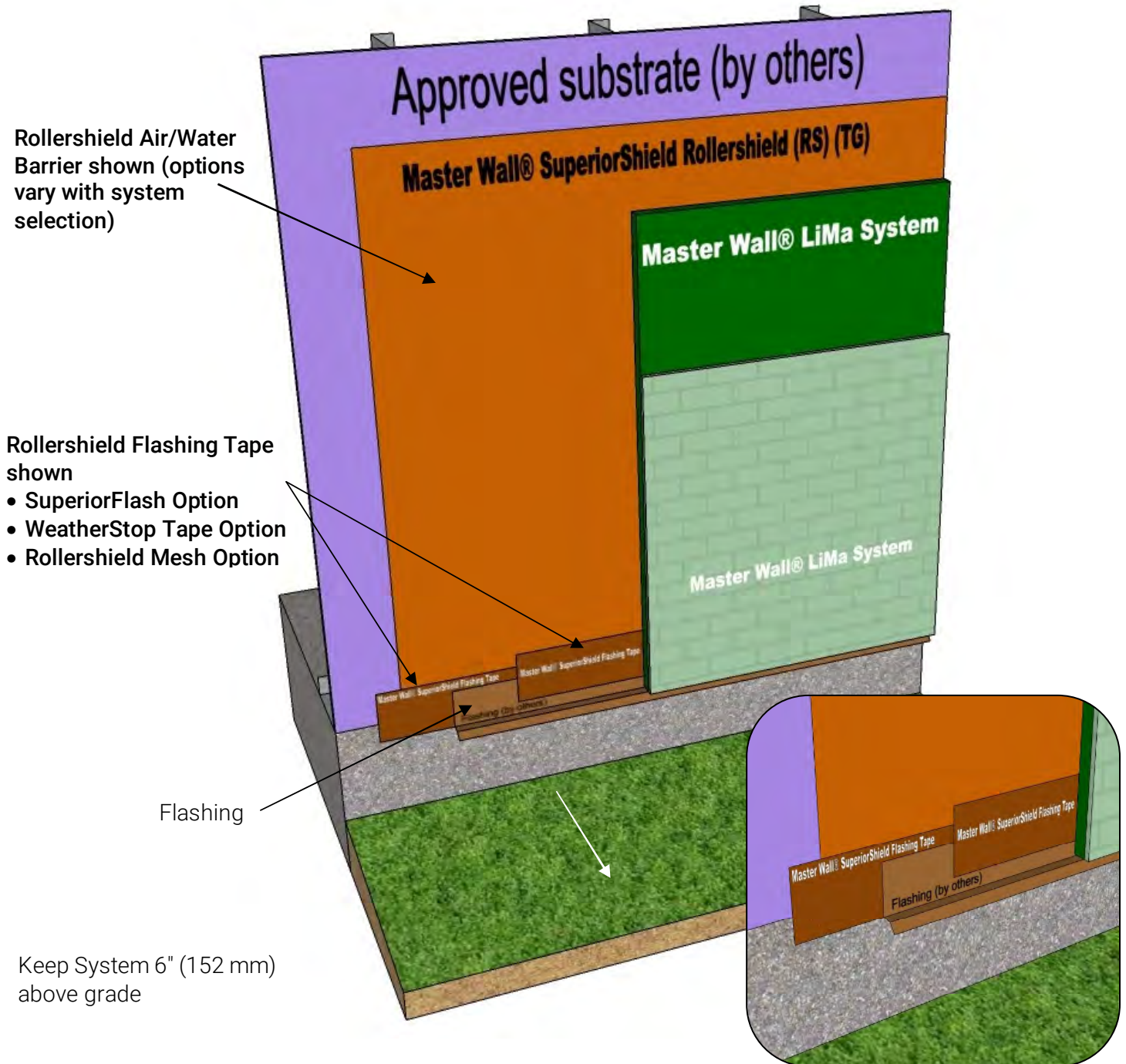
**This warranty becomes effective only when all bills for the components of the system have been paid.**

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.



*This is not the final warranty. For a valid warranty fill out a warranty request under Tools and Technical at [masterwall.com](http://masterwall.com). Warranties are not valid until issued.*

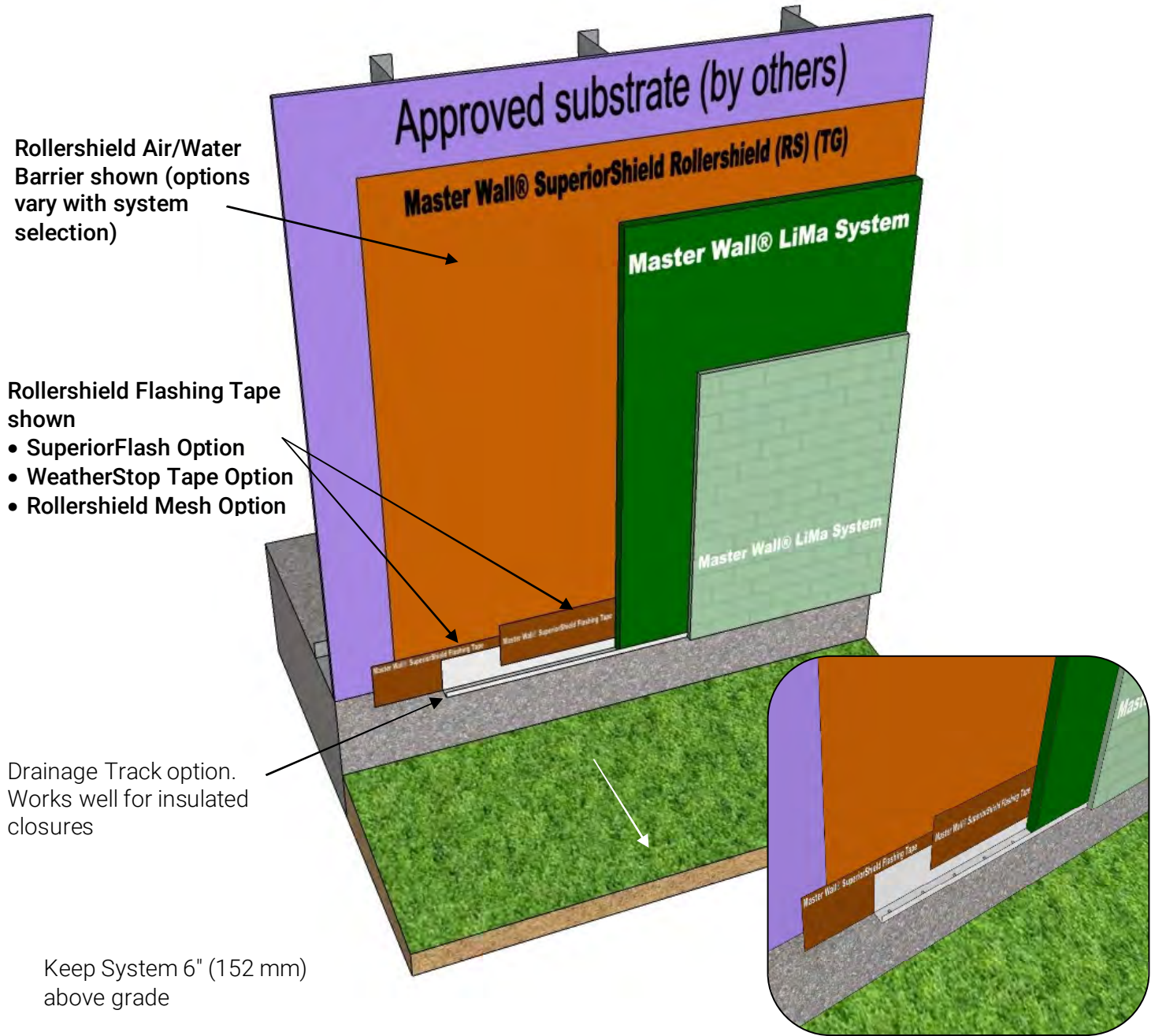
## System Detail



### ***LiMa D-01Detail @ Grade***

These drawings relay the conceptual conditions of Master Wall® Systems and are not the construction drawings. Ultimately the design and detailing of an entire wall system is the responsibility of a professional. These details will guide the design professional in the use of Master Wall® Products. Master Wall disclaims design, warranty or construction intent or responsibility. **Bold or Trade Name = Master Wall® Product.**

# System Detail



***LiMa D-02 Detail @ Grade***

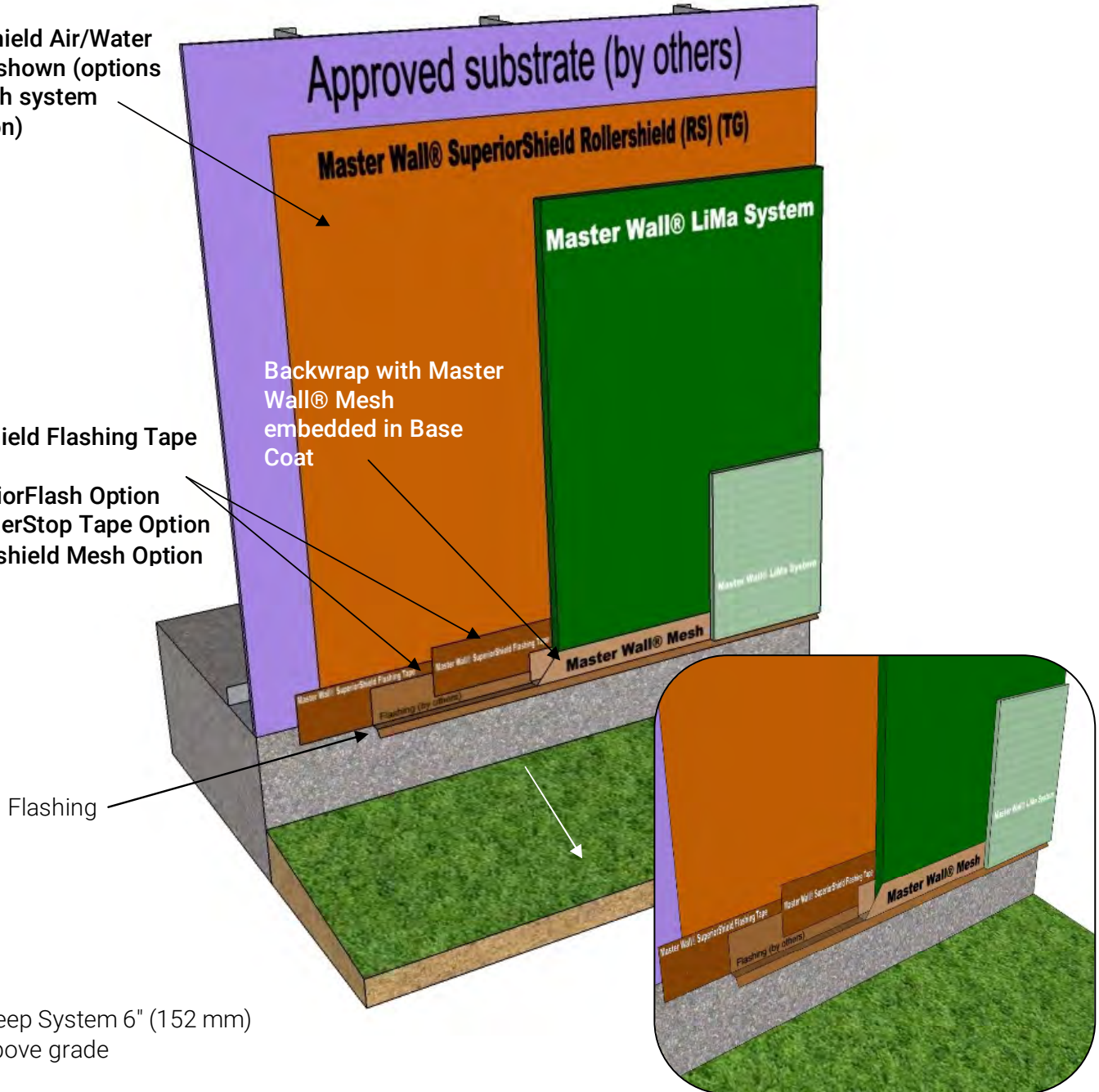
These drawings relay the conceptual conditions of Master Wall® Systems and are not the construction drawings. Ultimately the design and detailing of an entire wall system is the responsibility of a professional. These details will guide the design professional in the use of Master Wall® Products. Master Wall disclaims design, warranty or construction intent or responsibility. **Bold or Trade Name = Master Wall® Product.** ©2020 Master Wall Inc.®

# System Detail

Rollershield Air/Water Barrier shown (options vary with system selection)

Rollershield Flashing Tape shown

- SuperiorFlash Option
- WeatherStop Tape Option
- Rollershield Mesh Option

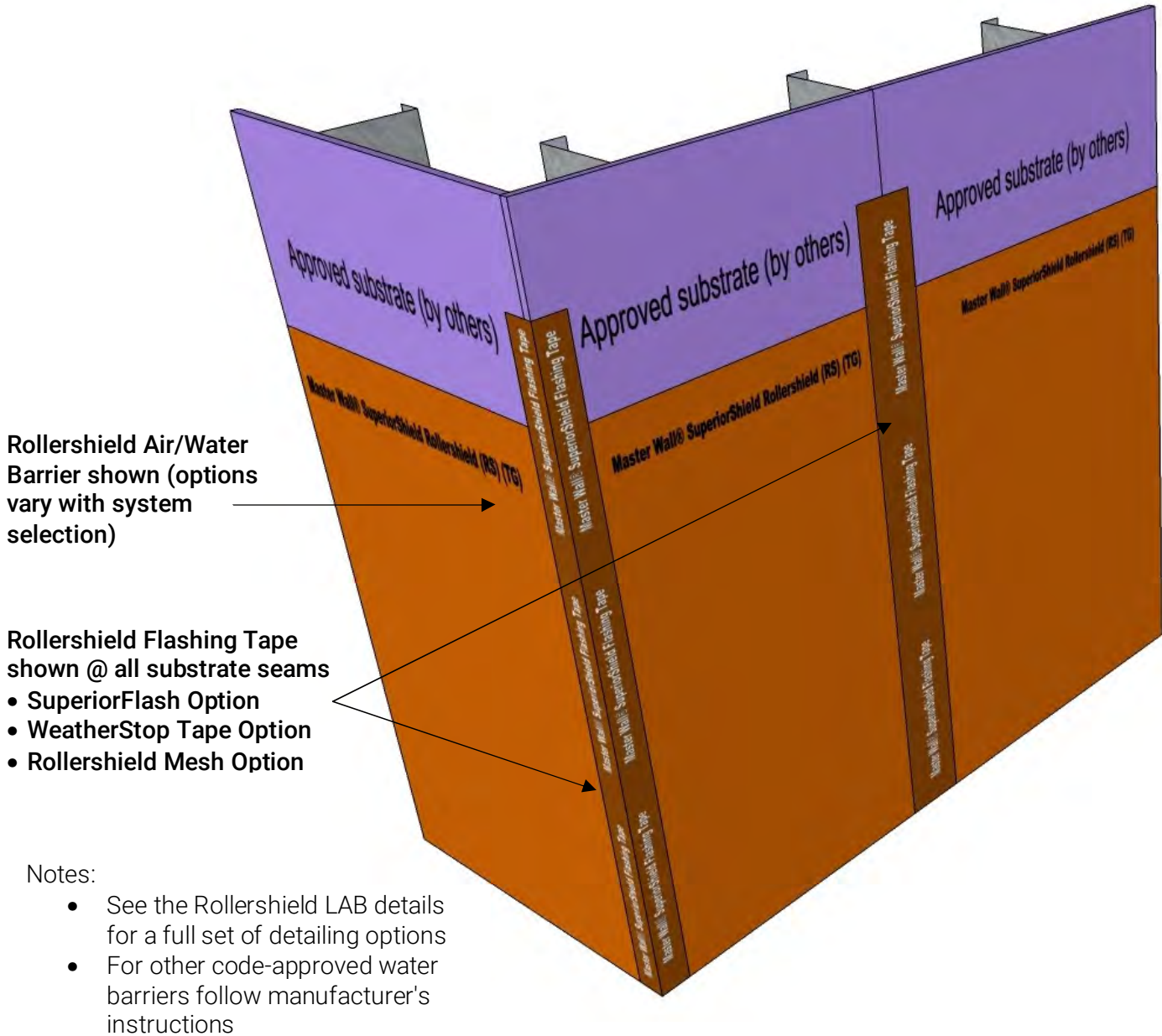


Keep System 6" (152 mm) above grade

## **LiMa D-03 Detail @ Grade**

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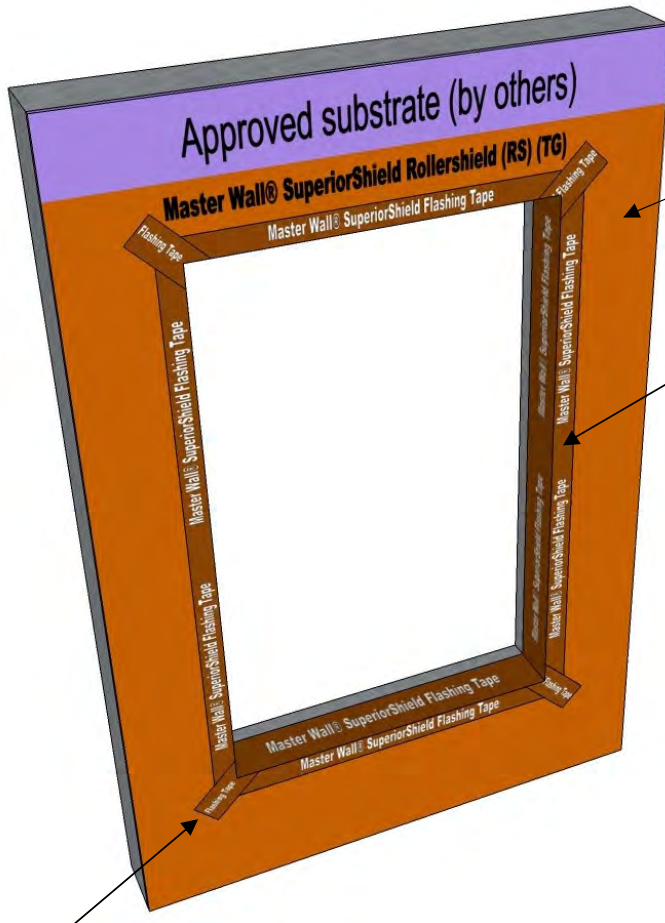
## System Detail



### ***LiMa D-04 Rollershield LAB Seam Details***

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# System Detail



Rollershield Air/Water Barrier shown (options vary with system selection)

Rollershield Flashing Tape shown @ all substrate seams and turned into window opening at least the depth of the window unit

- SuperiorFlash Option
- WeatherStop Tape Option
- Rollershield Mesh Option

Rollershield Flashing Tape shown adhered over flashing

Window Head Flashing



Diagonal Rollershield Flashing Tape shown

- SuperiorFlash Option
- WeatherStop Tape Option
- Rollershield Mesh Option

Notes:

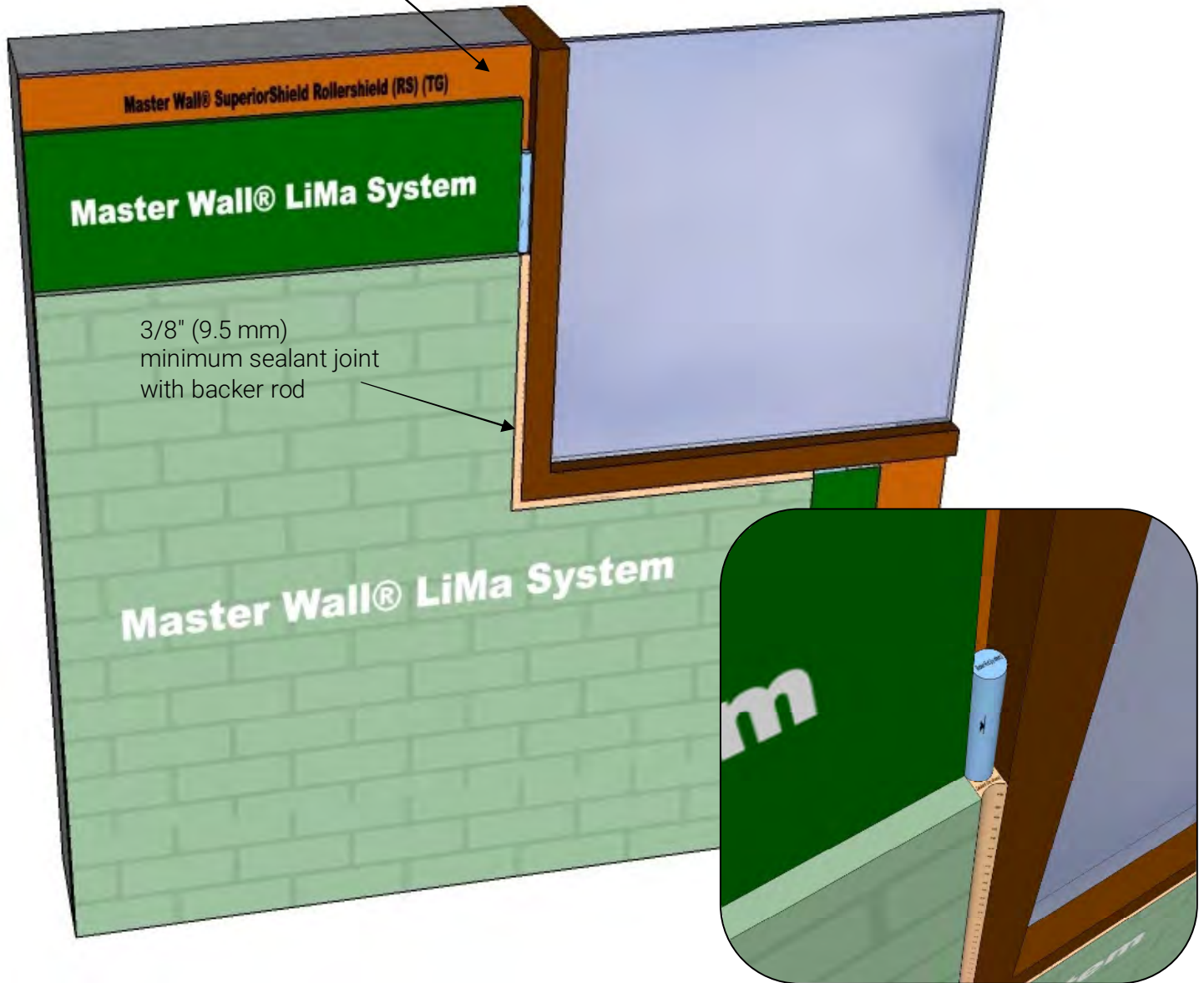
- See the Rollershield LAB details for a full set of detailing options
- For other code-approved water barriers follow manufacturer's instructions

## ***LiMa D-05 Window Opening***

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## System Detail

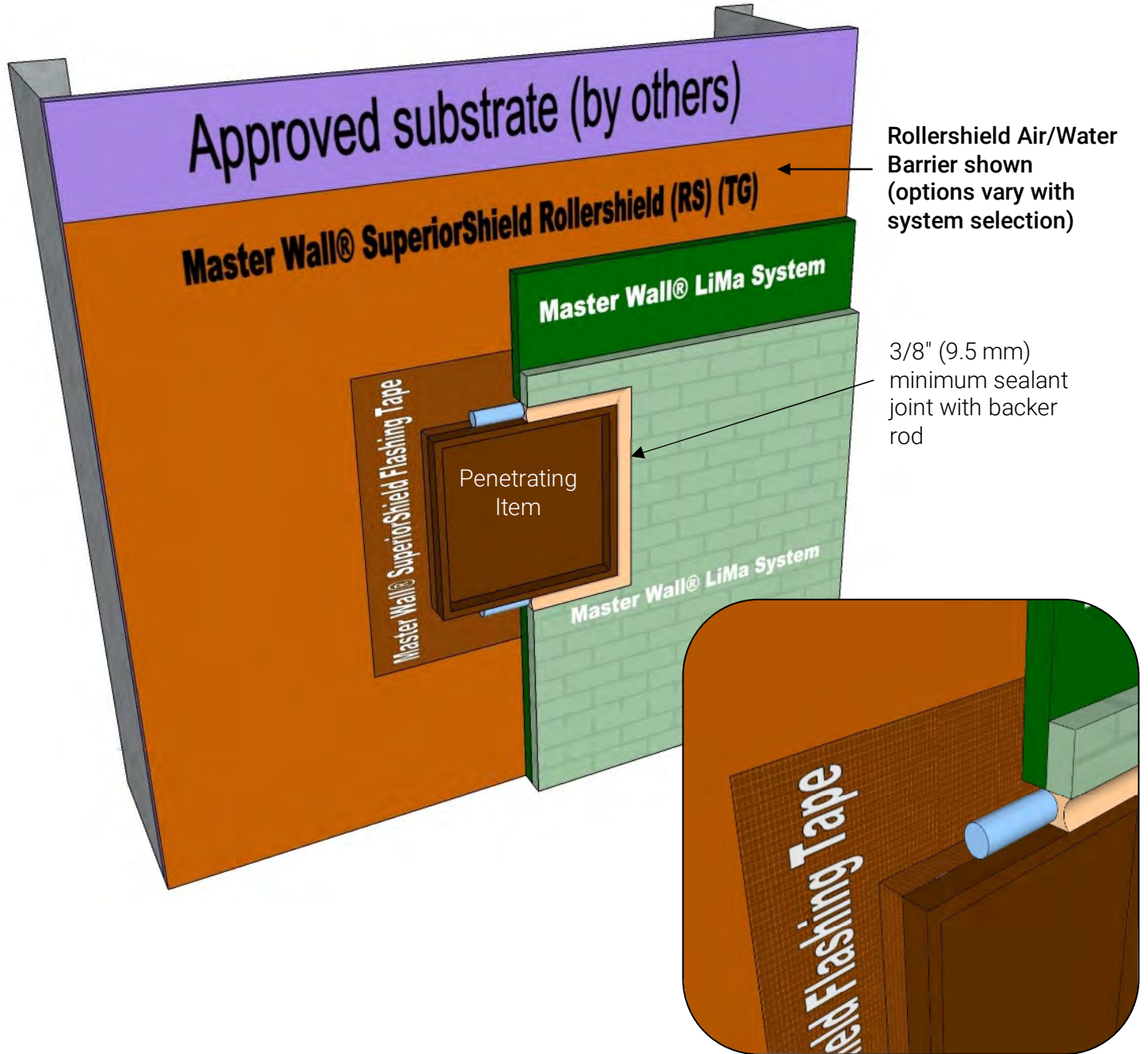
Rollershield Air/Water Barrier shown  
(options vary with system selection)



### ***LiMa D-06 LiMa to Window Detail***

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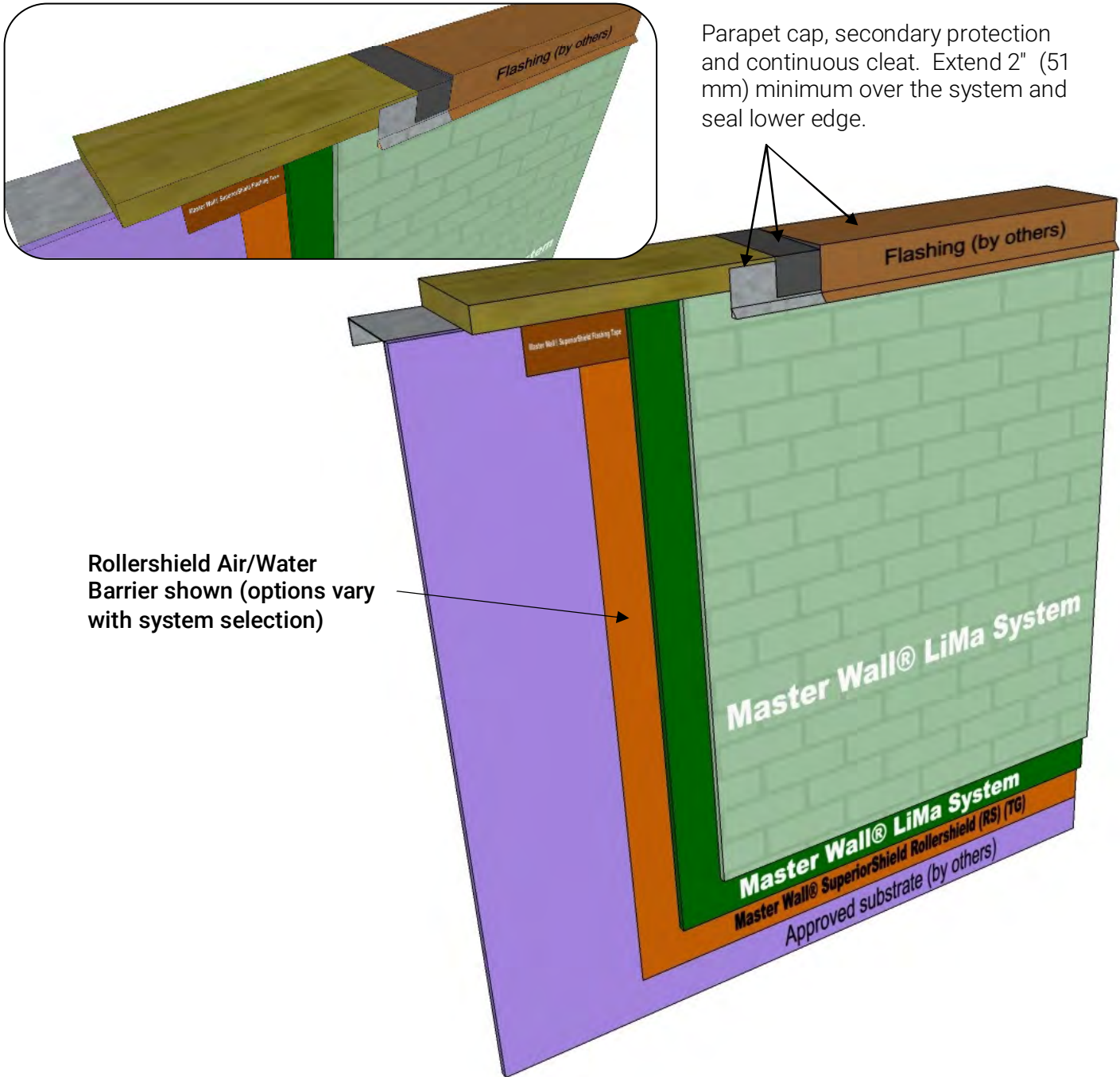
## System Detail



### **LiMa D-07 LiMa to Wall Penetration Detail**

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## System Detail



Parapet cap, secondary protection and continuous cleat. Extend 2" (51 mm) minimum over the system and seal lower edge.

Rollershield Air/Water Barrier shown (options vary with system selection)

### ***LiMa D-08 Parapet Cap Detail***

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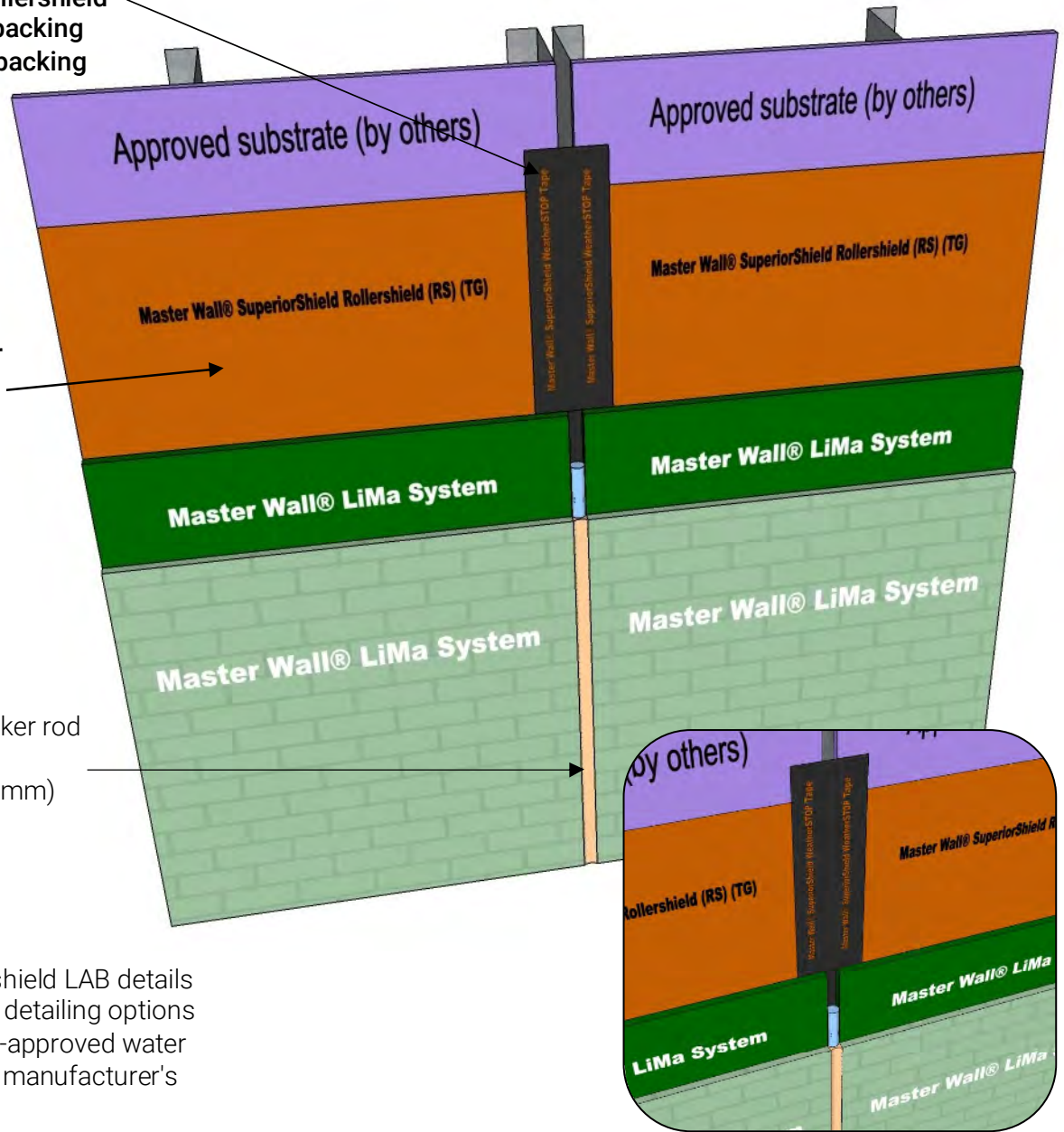
# System Detail

WeatherStop Tape shown @ substrate expansion joint

- Rollershield with Rollershield Flashing Tape and backing
- SuperiorFlash with backing Option

Rollershield Air/Water Barrier shown (options vary with system selection)

Sealant joint and backer rod sized for anticipated movement, 3/8" (9.5 mm) minimum



Notes:

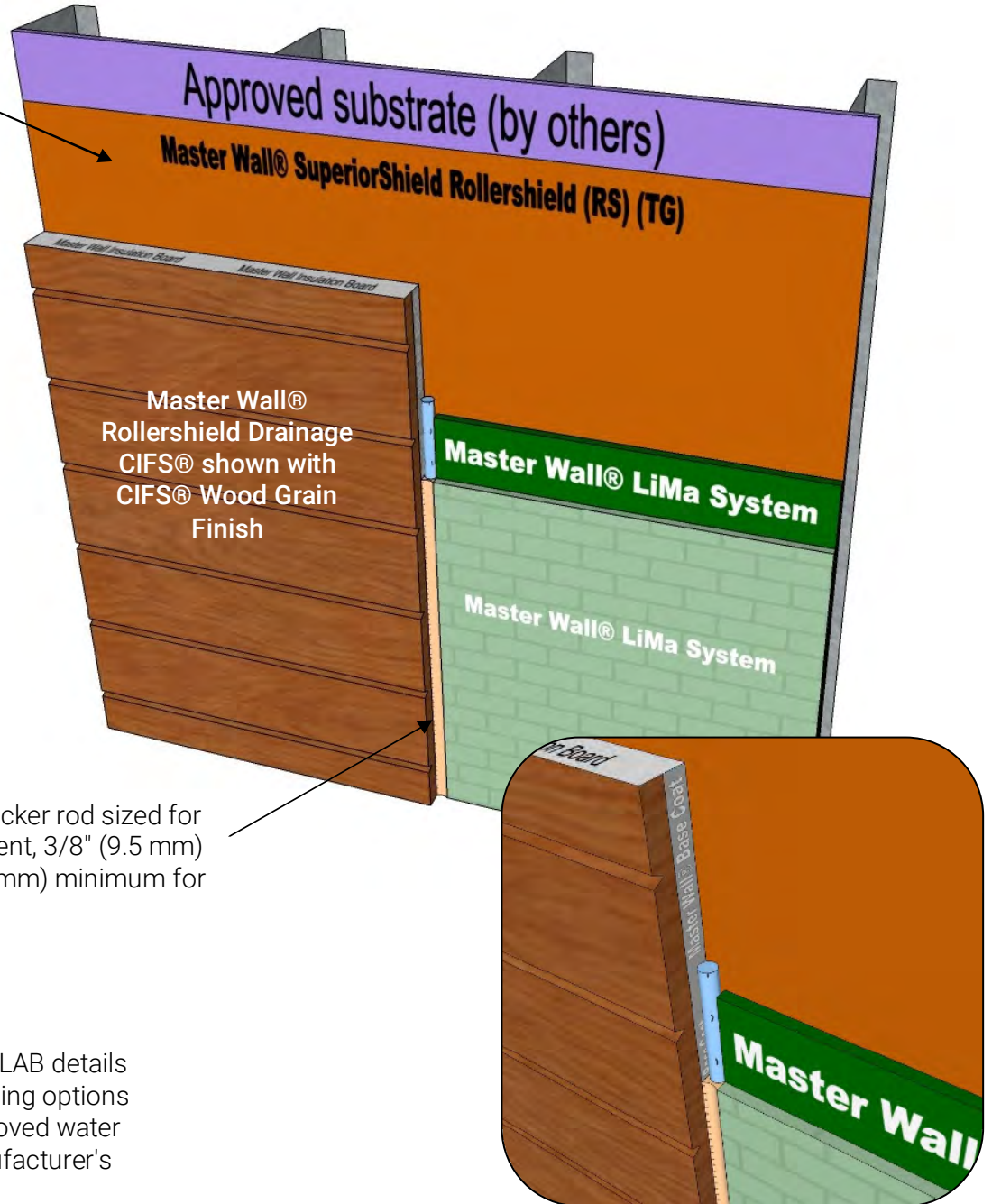
- See the Rollershield LAB details for a full set of detailing options
- For other code-approved water barriers follow manufacturer's instructions

## **LiMa D-09 Expansion Joint Detail**

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# System Detail

Rollershield Air/Water Barrier shown (options vary with system selection)



Sealant joint and backer rod sized for anticipated movement, 3/8" (9.5 mm) minimum, 3/4" (19 mm) minimum for CIFS®

Notes:

- See the Rollershield LAB details for a full set of detailing options
- For other code-approved water barriers follow manufacturer's instructions

## ***LiMa D-10 Dissimilar Materials***

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