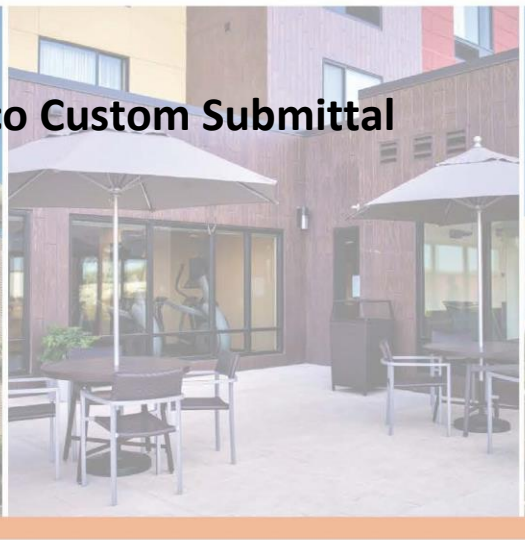






Cemplaster Fiberstucco Custom Submittal

Project:

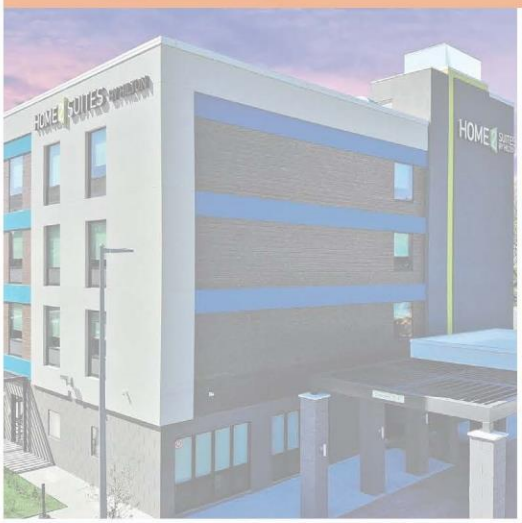
Architect:

General Contractor:

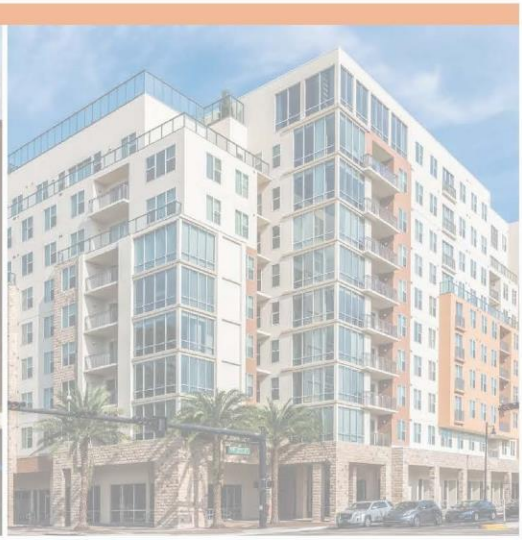
Applicator:



Master Wall Inc.®













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Custom Wall System Components

Cemplaster Fiberstucco (CFS)

CFS02 Master Wall Cemplaster Fiberstucco* with AirSTOP direct to Masonry/Concrete (no Rollershield), 5/8" thick <+3>
**Cemplaster Fiberstucco available with certain QUIKRETE® and WESTERN Blended products as part of our warranty program.*

Primers (PRIME), Finish Additives (FA), Finish Options (FIN)

PRIME01 Primecoat or Sanded Primecoat tinted primer <+1>
FIN01 Superior Finish/Specialty Finish <+1>

Master Wall® Limited Warranty: 5 Years

Master Wall Inc.®
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Cemplaster Stucco

Labor & Material Limited Warranty

Master Wall Inc.® warrants the properly designed and installed Cemplaster Stucco System and materials for terms noted above 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. Cemplaster Stucco may have hairline cracks, spalling, fastener popping or efflorescence, which are not considered product defects. 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.

This is a sample of the warranty and is not the final warranty. A final warranty must be requested to be valid.

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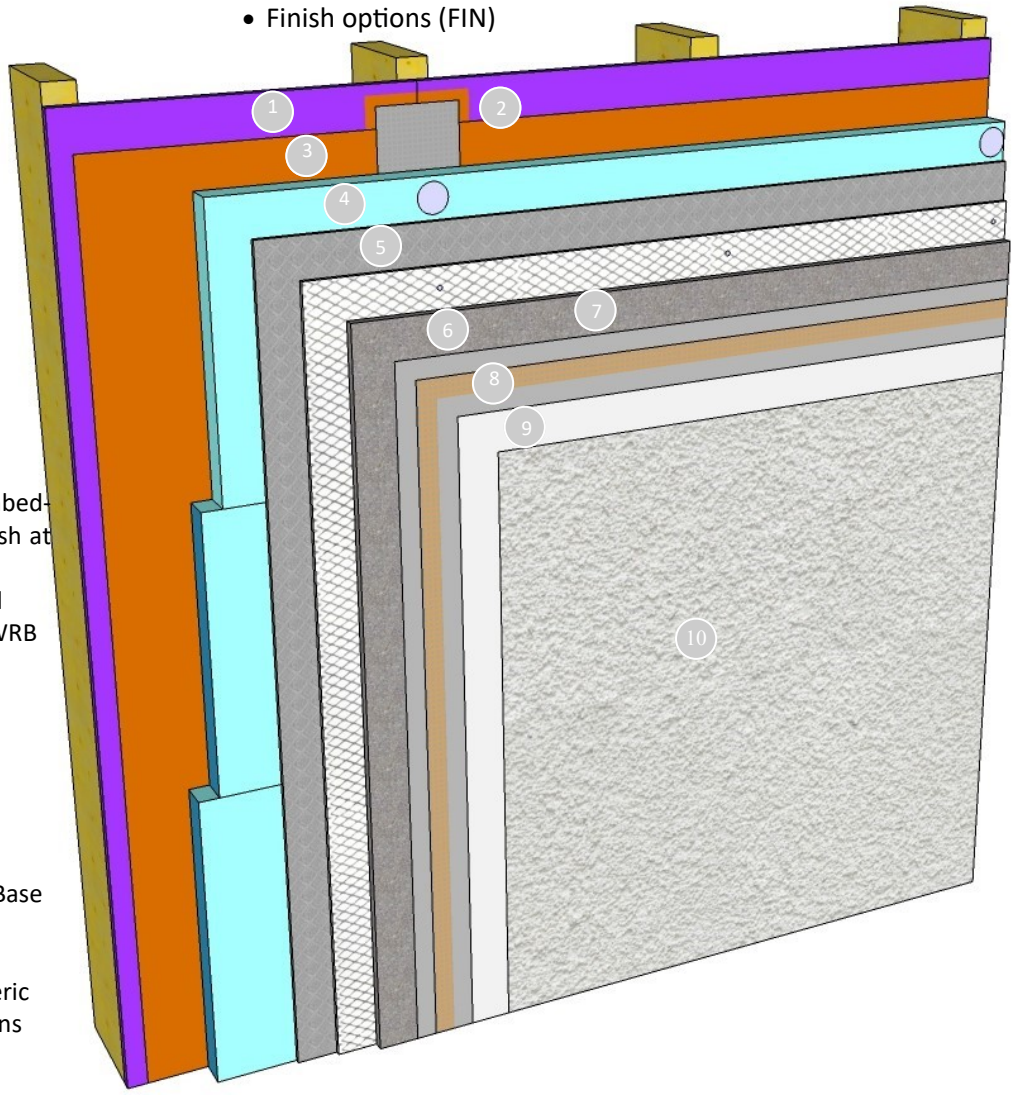
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CEMPLASTER FIBERSTUCCO SYSTEM

Master Wall® Cemplaster Fiberstucco System is an engineered, fiber-reinforced stucco using our Cemplaster Fiberstucco or Cobrand stucco products in an easy to use packaged assembly. Available in concentrate and ready versions, it offers improved durability compared to traditional stucco with easier application, better product consistency and technical support throughout the application process. Cemplaster Fiberstucco is available as a basic system (stucco & finish) or it can be upgraded with additives, rainscreen mats, continuous insulation leveling base coats and finishes.

Features & Benefits

- Premium fibered stucco system with a warranty
- Variable warranty options: choose popular additions to customize your system or let us design one for you
- Up to 20-year limited labor/material warranties available
- Options
  - Water barriers (WRB)
  - Continuous Insulation (CI)
  - Drainage options (DRS)
  - Cemplaster Fiberstucco options from 3/8” to 7/8” thick (CFS)
  - Reinforcement options (SRM, LBC)
  - Finish options (FIN)



1. Framing & Sheathing (by others)
2. SuperiorShield Flashing Tape embedded in Rollershield or SuperiorFlash at seams and transitions
3. SuperiorShield Rollershield air and water barrier or other approved WRB
4. Continuous Insulation (CI) option
5. Drainage Spacer (DRS) option
6. Cemplaster Fiberstucco (CFS) with reinforcement
7. Stucco Additive (SA) option in Cemplaster mix option
8. Surface Reinforcing Mesh (SRM), Leveling Base Coat or Reinforced Base Coat (LBC) option
9. Primecoat Primer (PRIME) option
10. Superior Finish, Superior Elastomeric Plus or Specialty Finish (FIN) options

Choose your system and your warranty, or let us custom design one for you

When you improve your stucco you improve your warranty. Choose the options you want for your project, or give us a call and we will custom design a system for you. Warranties add up and the extensions in years are noted in **orange**.

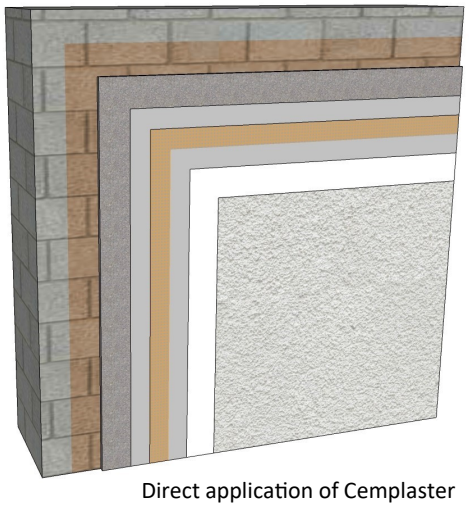
Weather Resistive Barriers (WRB), Continuous Insulation (CI) and Drainage Spacers (DRS)

- ☐ ***WRB01*** 2- ASTM D226 Asphalt Felt or other code required minimum (minimum over sheathing) **(0 Years)**
- ☐ ***WRB02*** Tyvek® StuccoWrap® or similar with 1-layer of ASTM D226 Asphalt Felt (over sheathing) **(0 Years)**
- ☐ ***WRB03*** Master Wall Rollershield with 1-layer of ASTM D226 Asphalt Felt (over sheathing) **(+5 Years)**
- ☐ ***WRB04*** Master Wall Rollershield (over concrete or masonry, slip sheet and lath required) **(+5 Years)**
- ☐ ***CI01-03*** Continuous Insulation: Expanded, Extruded, Polyisocyanurate, Mineral Wool **(0 Years)**
- ☐ ***CI04*** External Insulation **(0 Years)**
- ☐ ***DRS00*** No Drainage Spacer **(0 Years)**
- ☐ ***DRS01*** Drainage Mat: Spacer Type **(0 Years)**
- ☐ ***DRS02*** Rainscreen: Cosella-Dörken Products, Inc. Delta® -Dry, Delta® -Dry Plus or Keene Driwall™ Rainscreen 020-1 **(+1 Year)**

Cemplaster Fiberstucco Warranty Program Products (CFS)

- ☐ ***CFS01*** Master Wall Cemplaster Fiberstucco* with woven wire fabric or STRUCTA**LATH** III reinforcement, 3/8" thick **(+2 Years)**
- ☐ ***CFS02*** Master Wall Cemplaster Fiberstucco* direct to Masonry/Concrete (no Rollershield), 3/8"-1/2" thick **(+3 Years)**
- ☐ ***CFS03*** Master Wall Cemplaster Fiberstucco* with lath, MW Fibalath™ or STRUCTA TwinTrac reinforcement , 1/2" thick **(+3 Years)**
- ☐ ***CFS04*** Master Wall Cemplaster Fiberstucco* with lath, MW Fibalath™ or STRUCTA MegaLath reinforcement, 3/4" thick **(+4 Years)**
- ☐ ***CFS05*** Master Wall Cemplaster Fiberstucco* with lath reinforcement, 7/8" thick **(+4 years)**

**Cemplaster Fiberstucco available with certain QUIKRETE® and WESTERN Blended products as part of our warranty program.*



Direct application of Cemplaster Fiberstucco to CMU using BA57 bonding agent, reinforced WeatherSTOP waterproof base coat, Primecoat and Superior Finish

Stucco Additives (SA)

- ☐ ***SA00*** No Stucco Additives **(0 Years)**
- ☐ ***SA01*** Master Wall Stucco Ad Liquid, 3 qt per mix of CFS Concentrate, 1 qt per bag of Ready CFS **(+1 Year)**
- ☐ ***SA02*** Master Wall Stucco Ad Liquid, 2 gal per mix of CFS Concentrate, 3 quarts per bag of Ready CFS **(+2 Years)**
- ☐ ***SA03*** Master Wall Stucco Ad Liquid, 5 gal per mix of CFS Concentrate, 1-1/2 gal per bag of Ready CFS **(+3 Years)**

Surface Reinforcing Mesh (SRM) & Leveling Base Coats (LBC)

- ☐ ***SRM00*** No Surface Reinforcing Mesh **(0 Years)**
- ☐ ***SRM01*** Bulltec Reinforcing Mesh embedded into wet stucco brown coat **(+1 Year)**
- ☐ ***LBC00*** No Leveling Base Coat **(0 Years)**
- ☐ ***LBC01*** F&M, F&M Plus, MBB, MBB Plus, Guardian or WeatherSTOP Skim Coat **(+1 Year)**
- ☐ ***LBC02*** F&M, F&M Plus, MBB, MBB Plus, Guardian or WeatherSTOP Skim Coat with Master Wall Standard Reinforcing or Bulltec Mesh **(+2 Years)**

Primers (PRIME), Finish Additives (FA), Finish Options (FIN)

- ☐ ***PRIME00*** No Primer **(0 Years)**
- ☐ ***PRIME01*** Primecoat or Sanded Primecoat tinted primer **(+1 Year)**
- ☐ ***FIN01*** Superior Finish/Specialty Finish **(+1 Year)**
- ☐ ***FA01*** Excel Additive (to any finish) **(+0.5 Year)**
- ☐ ***FA02*** Silicone Coat (to any finish) **(+0.5 Year)**
- ☐ ***FIN02*** Superior Elastomeric Plus Finish **(+3 Years)**

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PRODUCT AND SYSTEM TESTING



Master Wall Inc.®

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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

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

FIRE TESTING

Test	Test Method	Criteria	Results
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^2 at 20 minutes	Pass
Intermediate Multi-Story Fire Test	NFPA 285 (UBC 26-9)	1. Resist flame propagation over the exterior surface 2. Resist vertical spread of flame within combustible core/component of panel from one story to the next 3. Resist vertical spread of flame over the interior surface from one story to the next 4. Resist lateral spread of flame from the compartment of fire origin to adjacent spaces	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^2 Total Heat Release Rate <20 MJ/m^2, Effective Heat of Combustion <18 MJ/kg	RS: Peak Heat Release Rate = 32 kWm2, Total Heat Release Rate = 3.6 MJ/m^2, Effective Heat of Combus-tion = 2.5 MJ/kg, VB: Peak Heat Release Rate = 336 kWm^2, Total Heat Release Rate = 8.8 MJ/m^2, Effective Heat of Combustion = 9.3 MJ/kg

MESHES AND INSULATION BOARD

Test	Test Method	Criteria	Results
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 Thermal Resistance Water Absorption Oxygen Index Compressive Strength Flexural Strength Flame Spread Smoke Developed	 ASTM C303, D1622 ASTM C177, C518 ASTM C272 ASTM D2863 ASTM D1621 Proc. A ASTM C203 ASTM E84	 15.2-20.0 kg/m^3 (0.95-1.25 lb/ft^3) 4.0 @ 4.4 °C (40 °F) 3.6 @ 23.9 °C (75 °F) 2.5 % max. by volume 24% min. by volume 69 kPa (10 psi) min. 172 kPa (25 psi) min. 25 max. 450 max.	 Pass Pass Pass Pass Pass Pass 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.m2)	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[1]	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)[2] 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^2 @ 1.57 psf	0.001 cfm/ft^2 @ 1.57 psf 0.001 L/s/m^2 @ 75 Pa
Air Leakage	ASTM E2357	No ICC or ANSI/EIMA Criteria ASHRAE/IECC max. 0.04 cfm/ft^2 @ 1.57 psf	0.0006 cfm/ft^2 @ 1.57 psf, 0.003 L/s/m^2 @ 75 Pa 0.04 cfm/ft^2 @ 6.24 psf, 0.02 L/s/m^2 @ 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 kWm^2, Total Heat Release Rate <20 MJ/m^2, Effective Heat of Combustion <18 MJ/kg	RS: Peak Heat Release Rate = 32 kWm^2, Total Heat Release Rate = 3.6 MJ/m^2, Effective Heat of Combustion = 2.5 MJ/kg, VB: Peak Heat Release Rate = 336 kWm^2, Total Heat Release Rate = 8.8 MJ/m^2, 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



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PRODUCT DATA

AIRSTOP FOR CMU

Master Wall® AirSTOP for CMU is a premium dry polymer modified Portland cement-based air and water barrier that integrates into approved Cemplaster Fiberstucco and approved Cobrand stucco products for a complete air and water solution over concrete and masonry substrates. AirSTOP is a dual purpose product that may be applied under ASTM C926 stucco as a concealed application or as a skim or leveling coat on the surface.

FEATURES & BENEFITS

- Air Control
- Adds Water Resistance
- Stucco Scratch Coat
- Stucco Leveler
- Vapor Open
- Convenient Bags for easy storage

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.

JOB CONDITIONS

Job Conditions - Air and substrate temperature for application of AirSTOP for CMU 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. Concrete and masonry surfaces should cure for a minimum of 28 days.

Coverage per bag (sf/m²)*

Skim & Scratch Coat:
90-100 ft² (8.4 – 9.3 m²)

Skim Coat:
130-150 ft² (12.1 – 13.9 m²)

**Coverages are approximate and will vary depending on mix ratio with water, application technique, waste factor, surface conditions, and other variables that may exist. Construct a mock- up under actual conditions of use to verify proper surface preparation, coverage, and method of application, for approval by the appropriate authority.*

Packaging/Shelf Life/Storage

Packaging: 50 lb (23 kg) bag

Shelf Life: 1 year

Storage: Store off the ground in a cool, dry area. Protect from extreme heat, moisture, and direct sunlight.

Technical Data

- *Compression (ASTM C270)*
  24 hours - 500 psi (3447 kPa)
  7 day - 2700 psi (18,615 kPa)
  28 day - 3350 psi (23,097 kPa)
- *Tensile Strength (average)*
  7 day - 310 psi (2137 kPa)
  28 day - 395 psi (2723 kPa)
- *Shear Strength (average)*
  7 day dry - 467 psi (3219 kPa)
  7 day wet - 395 psi (2723 kPa)
  28 day dry - 537 psi (3702 kPa)
- *Sag Resistance*
  0-.485
- *Water Vapor Transmission*
  Vapor Permeable
- Air Leakage Resistance (ASTM E2178)
  <0.004 cfm/ft² @ 1.57 psf
  (< 0.02 L/m²s @ 75 Pa)
- Complies with 2018, 2021 and 2024 IBC, IRC, and IECC requirements as an air barrier material
- Complies with 2020, 2023 FBC requirements as an air barrier material
- Complies with 2020, 2023 FBC requirements as an air barrier assembly when used with Master Wall® SuperiorShield components and other components specified by the code

APPLICATION PROCEDURE

Verify that surfaces are fully cured, structurally sound, clean, dry, and free of frost, damage, and all bond-inhibiting materials, including dirt, dust, grease, efflorescence, form oil, curing compounds, paints or coatings, salts, laitance, or other surface conditions that could interfere with adhesion. The surface should be absorbent and slightly scarified or have surface roughness. Loose or weak materials must be removed, and surface damage must be repaired.

Concrete Masonry: provide open texture concrete masonry units with flush joints and free of surface contamination. Remove projecting mortar so it is even with the plane of the wall.

Concrete: Remove form release agents or other surface contamination, remove form ties and correct surface defects such as spalls or honeycombs with AirSTOP. Provide a surface that is slightly scarified.

If adhesion is in question conduct tensile bond tests as directed by design professional to verify adequacy of adhesion to the substrate. Conduct sufficient tests in a sufficiently wide area to ensure results are representative of the surface conditions on the project.

Where the surface is too smooth, dense, or non-absorbent to receive Master Wall® AirSTOP for CMU, or where form oil, an existing coating, or other surface contamination prohibits adhesion, furred or self- furred lath should be installed as specified by the design professional (refer to Master Wall Cemplaster Fiberstucco guide specifications and verify adequacy of lath attachment with respect to design wind pressures).

Mixing - Add 5 to 6 quarts (4.7-5.7 L) of potable water to a clean plastic pail. Add the AirSTOP 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 AirSTOP mixture.

Application - Apply only to clean, sound, properly prepared, frost-free surfaces. In hot weather store material in a cool environment just prior to use and use cold water for mixing. Thoroughly dampen CMU and absorbent concrete surfaces in hot, dry weather to reduce surface absorption just prior to installation of product. Work away from the sun or provide shade, and work during cooler periods of the day.

Hazard: This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

VOC: Less than 50 g/L.

Approved Substrates

- CMU
- Concrete
- Masonry
- Stucco
- Mortar Parge Coat
- Adheres to:
  - Rollershield
  - SuperiorFlash
  - SMP Sealants
- Others approved in writing

Limitations

- Rapid loss of moisture during drying period due to direct sun, wind, or high temperatures, can cause cracking and low strength development in Portland cement-based materials. Adjust scheduling of work accordingly to avoid each of these conditions.
- Use of excess water in the mix can cause cracking and low strength development in Portland cement-based materials. Do not exceed the recommended amount of mix water.
- Do not use to level irregular or out-of-plane wall surfaces. Use appropriate Master Wall® repair mortar for these purposes.
- Do not use on surfaces with standing or glistening water.
- Do not use on wood substrates.
- Do not use over non-Master Wall® air barrier, flashing, or rough opening protection materials. Sequence work so these materials lap over the Master Wall® AirSTOP for CMU skim coat and apply appropriate stucco accessories over the lapped area.
- Not intended for use as rough opening protection
- Not intended for permanent exposure to weather. Protect with stucco brown coat within 60 days of application.
- Not for use below grade.

APPLICATION PROCEDURE

AirSTOP Stucco Scratch Coat with Brown

The application will consist of a skim coat and scratch coat of AirSTOP and brown coat of Cemplaster Fiberstucco

Skim Coat: Apply a uniform coat of Master Wall® AirSTOP for CMU at nominal 1/16- 1/8 inch (1.6-3 mm) thickness by trowel BEFORE stucco grounds and accessories are installed to achieve a void and pinhole free surface.

Air Barrier and Flashing Connections: tie-in adjoining air barrier and flashing components such as window rough opening protection, making sure overlap onto Master Wall® AirSTOP for CMU DOES NOT EXCEED THE WIDTH OF THE PERFORATED FLANGE on stucco accessories (e.g. casing beads, expansion or control joint accessories). The Master Wall® AirSTOP for CMU scratch coat (see below) may not adhere to other air barrier and flashing components.

Scratch Coat: Apply a nominal ¼ inch (6 mm) scratch coat of Master Wall® AirSTOP for CMU by trowel minimum 24 hours after the skim coat is dry. Scratch the surface horizontally with a stucco scarifier. Allow to dry a minimum 24 hours, longer in cool or damp weather, before application of brown coat.

Brown Coat: apply Master Wall® Cemplaster Fiberstucco or Cobrand stucco in accordance with applicable codes and manufacturer's requirements, including moist curing of the stucco brown coat for minimum 4 hours. Limit total thickness, including Master Wall® AirSTOP for CMU skim coat and scratch coat, and stucco brown coat, to 5/8 inches (16 mm) nominal thickness. Allow to cure according to manufacturer recommendations prior to priming or finishing.

AirSTOP Leveling Coat Over Stucco

Apply a uniform coat of Master Wall® AirSTOP for CMU at nominal 1/16-1/8 inch (1.6-3 mm) thickness by trowel over 5/8 inches (16 mm) nominal thickness stucco to achieve a void and pinhole free surface.

If mesh is used, Immediately embed the reinforcing fabric into the wet AirSTOP 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 with Master Wall® specifications. The color of the mesh shall not be visible, but a slight mesh pattern may be visible. Allow to cure according to manufacturer recommendations prior to priming or finishing.

CLEAN UP

Tools and equipment can be cleaned with soapy water while the AirSTOP is still wet.

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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.

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.

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PRODUCT DATA

STUCCO ACCESSORIES

Stucco accessories are used to help gauge the thickness of stucco systems, help control stucco movement and form corners.

TYPICAL APPLICATION PROCEDURE

After satisfactory inspection of surfaces and correction of any deviations from specification requirements commence the Cemplaster Fiberstucco (CFS) installation in accordance with A or B below. Accessory type, depth, location, and orientation shall be included in the contract documents. Where masonry or concrete surfaces vary in plane, plaster thickness required to produce level surfaces shall not be required to be uniform.

A. Installation over new cast-in-place concrete or concrete masonry units (unreinforced):

1. Install foundation weep screed at the base of the wall as required.
2. Install casing beads at CFS terminations—doors, windows and other through wall penetrations. Install two-piece expansion joints, back-to-back casing beads or control joints at joints in the supporting construction, building expansion joints, where the CFS is to be installed over dissimilar construction or substrates, at changes in building height, at floor lines, columns, and cantilevered areas as directed on the construction documents. Install corner bead at outside corners and corner lath at inside corners (except where lathing is installed continuously through the corner). Install full accessory pieces where possible and avoid small pieces. Seal adjoining pieces by embedding ends in sealant if specified. Abut horizontal into vertical joint accessories. Attach at 6" (152 mm) on center into concrete/masonry with appropriate fasteners.

B. Installation over frame construction with sheathing and reinforced masonry with a WRB:

1. Weep Screed Installation
   a. Install foundation weep screed at the base of the wall securely to framing with the appropriate fastener. Locate foundation weep screed so that it overlaps the joint between the foundation and framing by a minimum of 1" (25 mm). Locate the foundation weep screed minimum 4 inches (101 mm) above earth grade, 2" (51 mm) above finished grade (paved surfaces, for example).
2. Weather Protection
   a. Weather barrier will lap onto foundation weep screed as noted in Master Wall® details.
   b. Verify that WRB installation is complete.
3. Casing Bead and Expansion Joint Installation
   a. Install casing beads at CFS terminations—doors, windows and other through wall penetrations. Install expansion joints (or back-to-back casing beads) at building expansion joints, where the CFS is to be installed over dissimilar construction or substrates, at changes in building height, at floor lines, columns, and cantilevered areas. Install full accessory pieces where possible and avoid small pieces. Seal adjoining pieces by embedding ends in sealant. Abut horizontal into vertical joint accessories. Attach at 6"(152 mm) centers into framing with appropriate fasteners. (Note: refer to architectural drawings for joint locations and accessory type. Moisture protection must be continuous behind joints and accessories.)
4. Control Joint Installation
   a. Install control joints according to the type, location, ground dimension and orientation as indicated on the contract documents. Tack in place as insure proper alignment during the application of the lath. Wire tie control joints to lath at 6" (152 mm) on center if framing members are not present under the accessory.
   b. Seal any exposed ends and edges preferably by setting them in sealant during installation to prevent water entry.

Accessory Materials

1. PVC, and CPVC D1784. or D4216
2. Galvanized Metal, A653/A653M with G60 or G90 coating.
3. Zinc, B69
4. Stainless Steel, A240/A240M Type 304 or 316
5. Anodized Aluminum Alloy, B221

Packaging

Typically 10' lengths

Typical Grounds

3/8" (9.5 mm), 1/2" (13 mm), 5/8" (16 mm), 3/4" (19 mm), 7/8" (22 mm)

Typical Profiles*

Weep Screed*, Casing Bead*, Drainage Screed, Corner Reinforcement, Expansion Joint*, Control Joint

*Perforated or Non-Perforated

Manufacturers

Amico Building Products 800-366-2642
www.amico-lath.com

CEMCO 800-775-2362
www.cemcosteel.com

ClarkDietrich 800-543-7140
Www.clarkdietrich.com

Plastic Components 800-327-7077
www.plasticomponents.com

Stockton Products 714-998-1196
www.stocktonproducts.com

Wind-Lock 800-872-5625
www.wind-lock.com

Product Test Standards

ASTM A653, ASTM B69, ASTM C841, ASTM C847, ASTM C926, ASTM C1063, ASTM D1784, ASTM C1861

STUCCO REINFORCEMENT

Lath reinforcement is used to reinforce the stucco.

TYPICAL APPLICATION PROCEDURE

Sheet Reinforcement

1. General--install metal lath with the long dimension at right angles to structural framing. Terminate lath at expansion joints and also at control joints where not surface applied. Stagger side laps a minimum of one framing member.
2. Seams/overlaps – Side laps shall be lapped a minimum of 1/2" (13 mm) and a maximum of 2" (50 mm). End laps shall be lapped a minimum of 1" (25 mm) and a maximum of 2" (50 mm). overlap side seams 1/2 inch (13 mm) and end seams a minimum 1-inch (25 mm). Overlap casing beads and expansion joints minimum 1 inch (25 mm) onto the narrow wing accessories and 2 inches over expanded flange accessories.
3. Attachment-fasten securely through sheathing into structural framing at 6 inches (152 mm) on center maximum vertically and 16-24 inches (41-61 cm) on center horizontally*. Wire tie horizontal laps at 8 inches (204 mm) on center at side laps, and where end laps occur between supports.
4. Paper-backed lath—follow installation as for metal lath. Lap lath over lath, not paper to lath overlap. For horizontal overlaps the paper backing must lap shingle style behind the lath-to-lath overlap.

Roll Reinforcement

1. General--unroll wire lath with the long dimension at right angles to structural framing. Terminate wire lath at expansion joints and also control joints where not surface applied. Stagger side laps a minimum of one framing member.
2. Seams/overlaps – Side laps shall be lapped a minimum of one mesh at sides and ends. Where end laps occur between framing members, the ends of the sheets shall be laced, or wire tied with tie wire a minimum of 0.0475 (1.21 mm) diameter.
3. Attachment--fasten securely through sheathing into structural framing at 6 inches (152 mm) on center maximum vertically and 16-24 inches (41-61 cm) on center horizontally*. Wire tie horizontal laps at 8 inches (204 mm) on center at side laps, and where end laps occur between supports. (*Note: the type of fastener selected, its layout and pullout or withdrawal value from the supporting construction must be verified and approved by the project engineer/architect with respect to design wind load and local building code requirements).
4. Structa Wire Products – follow manufacturer's instructions for installation.

Additional Reinforcement

1. Apply Strip lath, minimum 4" x 12" (102 mm x 305 mm), in type and weights of selected lath at casing bead corners if control joints are not used off windows and doors.
2. Inside and Outside Corners - Install corner lath at inside corners and corner bead at outside corners over lath (except where lathing is installed continuously through the corner). Attach through lath into framing at 6 inches (152 mm) on center with appropriate fasteners.

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Reinforcement Materials

1. PVC, D1784. or D4216
2. Galvanized Metal, A653/A653M with G60 or G90 coating.
3. Zinc, B69
4. Stainless Steel, A240/A240M Type 304 or 316

Common Reinforcement Types

No. 17 or 20 gauge galvanized steel woven wire fabric

2.5 lb./yd^2 (1.4 kg/m^2) self-furred diamond mesh metal lath

3.4 lb./yd^2 (1.8 kg/m^2) self-furred diamond mesh metal lath
ASTM C 847.

Adfors Fibalath

ClarkDietrich Twin Trac 2.5, Twin Trac 2.5/316, Structalath III, Structalath III/316

Manufacturers

Adfors 800-762-6694
adfors.com/fibalath

Amico Building Products 800-366-2642
amico-lath.com

CEMCO 800-775-2362
cemcosteel.com

ClarkDietrich 800-543-7140
clarkdietrich.com

K-Lath® 800-663-0955
treeisland.com

Plastic Components 800-327-7077
plasticomponents.com

Product Test Standards

ASTM C847, ASTM C1032 , ASTM C933, ASTM C1764

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PRODUCT DATA

CEMPLASTER FIBERSTUCCO

Master Wall® Cemplaster Fiberstucco is a fibered Portland cement-based bagged stucco with exceptional workability, open working time, water retention, early strength, shrinkage resistance and long-term durability.

FEATURES & BENEFITS

- Concentrate, mix with sand and water
- Fibered for better crack resistance
- Can be modified with Stucco Ad-Liquid for better tensile, compression and mold-resistance
- For application over lath or direct-applied to approved substrates
- Manufacturer Warranty

Application Temperature: 40°-110°F (5°-43°C)
Working Time: 1 hour
Set Time: 1-2 hours
Cure Time: 48-72 hrs at room temperature, working and drying time will vary with temperature and humidity.

JOB CONDITIONS

Air and substrate temperature for application of Cemplaster Fiberstucco 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 in a dry place, 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

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 or metal lath applied. All sheathed applications must receive a minimum of 2-layers code-approved asphalt felt or equivalent.

Prepare smooth or non-absorbent solid substrates by one of the following methods or a combination; Sandblasting, chipping or acid etching, A dash-bond coat applied forcefully, Bonding compounds such as Master Wall® Stucco Ad-Liquid or BA57, Furred or self-furring metal plaster bases as per ASTM C1063.

Coverage per bag (sf/sm)*

3/8” (9.5 mm) thick: 80 sf (7.4 sm)

1/2” (12.7 mm) thick: 70 sf (6.5 sm)

3/4” (19 mm) thick: 40 sf (3.7 sm)

7/8” (22 mm) thick: 34 sf (3.1 sm)

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

Packaging/Shelf Life/Storage

Packaging: 65/80 lb. (29.5/36 kg) moisture resistant bags.

Shelf Life: 1 year

Storage: Protect from weather in a cool dry area, with low humidity.

Technical Data

- ASTM C109 Compressive Strength -1900 psi
- ASTM E330 Wind-rated Assemblies -81-108 psf Ultimate Load
- ASTM G155 Accelerated Weathering - Pass
- ICC-ES AC11 Durability Testing - Pass
- ASTM E136 - Noncombustible
- ASTM C926 compliant following standard practices

Recognized in IAPMO UES ER-0887

APPLICATION PROCEDURE

Mixing Instructions: Each bag of Cemplaster Fiberstucco is mixed with 200 lbs (90.7 kg) of sand aggregate (ASTM C897 or ASTM C144) and clean, potable water (200 lbs is roughly 2.5 cubic feet (0.07 cubic meters) of clean, damp-loose sand or 2-3/4 Master Wall® pails, filled). Using a clean mixer, first add 1/2 to 2/3 the water required, 1/2 the sand, 1 bag Cemplaster Fiberstucco, then the rest of the sand and water to achieve the desired workability. Mix materials for 3 to 5 minutes after all materials are in the mixer. Total water content can vary between 4 to 6.5 gallons (15-24.5L). Stucco Ad-Liquid may also be used instead of an equal amount of water (up to 5 gallons, 18.9L). See system data sheet for specific levels required for increased warranties.

Tempering—The mixed stucco can be re-tempered one time within 1 hour. Material older than 1-1/2 hours should be discarded.

Application

Direct Applied to Masonry: Dampen absorptive masonry just before application with water or Master Wall® BA57 Bonding Agent.

Scratch Coat: apply Cemplaster Fiberstucco with sufficient pressure to key into and embed the metal lath (if used). Apply sufficient material, approximately half the Cemplaster Fiberstucco ground thickness to cover the metal lath and to permit scoring the surface. Score the Cemplaster Fiberstucco horizontally upon completion of each panel in preparation for brown coat if a “double back” application of a wet scratch and brown coat isn’t being used.

Brown Coat: as soon as the scratch coat is firm enough to receive the brown coat without damage, apply the brown coat with sufficient pressure to ensure intimate contact with the first coat to an approximate thickness as needed to bring the Cemplaster Fiberstucco to a uniform thickness that matches the grounds of the accessories. Use a rod or straight edge to bring the surface to a true, even plane. Fill depressions in plane with Cemplaster Fiberstucco.

After the Cemplaster Fiberstucco has become slightly firm float the surface lightly with a Darby or wood float to densify the surface and to provide a smooth, even surface.

CLEAN UP

Tools and equipment can be cleaned with soapy water while the Cemplaster Fiberstucco mixture is still wet.

Curing Recommendations

Cure following ASTM C926 guidelines or other method acceptable to the design professional for 48-72 hours. Mixes with Master Wall® Stucco Ad Liquid do not need moist curing.

Allow to cure until clean, dry and hard before finishing:

- Typically 7-14 days if no Master Wall® Stucco Ad Liquid is used.
- After 72 hours if Master Wall® Stucco Ad Liquid is used provided the Cemplaster Fiberstucco is clean, dry and hard.
- After 24 hours if using a leveling base coat (LBC).

Hazard: This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

WARNING: Products containing crystalline silica (airborne particles of respirable size) are known to the State of California to cause cancer. For more information go to **www.p65Warnings.ca.gov.**

VOC: Less than 50 g/L.

Approved Substrates

Self-furring Metal Lath

Concrete

Brick

Masonry

Others approved in writing

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PRODUCT DATA

READY CEMPLASTER FIBERSTUCCO

Master Wall® Ready Cemplaster Fiberstucco is a fibered Portland cement-based bagged stucco with exceptional workability, open working time, water retention, early strength, shrinkage resistance and long-term durability.

FEATURES & BENEFITS

- Ready to use, mix with water
- Great for jobsites with limited space for on-site storage
- Fibered for better crack resistance
- Can be modified with Stucco Ad-Liquid for better tensile, compression and mold-resistance
- For application over lath or direct-applied to approved substrates
- Manufacturer Warranty

Application Temperature: 40°-110°F (5°-43°C)
Working Time: 1 hour
Set Time: 1-2 hours
Cure Time: 48-72 hrs at room temperature, working and drying time will vary with temperature and humidity.

JOB CONDITIONS

Air and substrate temperature for application of Ready Cemplaster Fiberstucco 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 in a dry place, 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 or metal lath applied. All sheathed applications must receive a minimum of 2-layers code-approved asphalt felt or equivalent.

Prepare smooth or non-absorbent solid substrates by one of the following methods or a combination; Sandblasting, chipping or acid etching, A dash-bond coat applied forcefully, Bonding compounds such as Master Wall® Stucco Ad-Liquid or BA57, Furred or self-furring metal plaster bases as per ASTM C1063.

Coverage perbag (sf/sm)*

3/8” (9.5 mm) thick: 22 sf (2 sm)

1/2” (12.7 mm) thick: 20 sf (1.8 sm)

3/4” (19 mm) thick: 11 sf (1 sm)

7/8” (22 mm) thick: 9.4 sf (0.9 sm)

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

Packaging/Shelf Life/Storage

Packaging: 80 lb. (36 kg) moisture resistant bags.

Shelf Life: 6-12 months

Storage: Protect from weather in a cool dry area, with low humidity.

Technical Data

- ASTM C109 Compressive Strength 1900 psi
- ASTM E330 Wind-rated Assemblies 81-108 psf Ultimate Load
- ASTM G155 Accelerated Weathering - Pass
- ICC-ES AC11 Durability Testing - Pass
- ASTM E136 - Noncombustible
- ASTM C926 compliant following standard practices

Recognized in IAPMO UES ER-0887

READY CEMPLASTER FIBERSTUCCO

PRODUCT DATA

APPLICATION PROCEDURE

Mixing - Each bag of Ready Cemplaster Fiberstucco is mixed clean, potable water. Using a clean mixer, first add 1/2 to 2/3 the water required, 1 bag Ready Cemplaster Fiberstucco, then the rest of the water to achieve the desired workability. Mix materials for 3 to 5 minutes after all materials are in the mixer. Total water content can vary between 1 to 1.5 gallons (3.8-5.7L). Stucco Ad-Liquid may also be used instead of an equal amount of water. See system data sheet for specific levels required for increased warranties.

Tempering—The mixed stucco can be re-tempered one time within 1 hour. Material older than 1-1/2 hours should be discarded.

Application

Direct Applied to Masonry: Dampen absorptive masonry just before application with water or Master Wall® BA57 Bonding Agent.

Scratch Coat: apply Ready Cemplaster Fiberstucco with sufficient pressure to key into and embed the metal lath (if used). Apply sufficient material, approximately half the Ready Cemplaster Fiberstucco ground thickness to cover the metal lath and to permit scoring the surface. Score the Ready Cemplaster Fiberstucco horizontally upon completion of each panel in preparation for brown coat if a "double back" application of a wet scratch and brown coat isn't being used.

Brown Coat: as soon as the scratch coat is firm enough to receive the brown coat without damage, apply the brown coat with sufficient pressure to ensure intimate contact with the first coat to an approximate thickness as needed to bring the Ready Cemplaster Fiberstucco to a uniform thickness that matches the grounds of the accessories. Use a rod or straight edge to bring the surface to a true, even plane. Fill depressions in plane with Ready Cemplaster Fiberstucco.

After the Ready Cemplaster Fiberstucco has become slightly firm float the surface lightly with a Darby or wood float to densify the surface and to provide a smooth, even surface.

CLEAN UP

Tools and equipment can be cleaned with soapy water while the Ready Cemplaster Fiberstucco mixture is still wet.

Curing Recommendations

Cure following ASTM C926 guidelines or other method acceptable to the design professional for 48-72 hours. Mixes with Master Wall® Stucco Ad Liquid do not need moist curing.

Allow to cure until clean, dry and hard before finishing:

- Typically 7-14 days if no Master Wall® Stucco Ad Liquid is used.
- After 72 hours if Master Wall® Stucco Ad Liquid is used provided the Cemplaster Fiberstucco is clean, dry and hard.
- After 24 hours if using a leveling base coat (LBC).

Hazard: This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

WARNING: Products containing crystalline silica (airborne particles of respirable size) are known to the State of California to cause cancer. For more information go to www.p65Warnings.ca.gov.

VOC: Less than 50 g/L.

Approved Substrates

Self-furring Metal Lath
Concrete
Brick
Masonry
Others approved in writing

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PRODUCT DATA

CEMPLASTER FIBERSTUCCO CO-BRAND PRODUCTS

As part of our Cemplaster Fiberstucco Systems, Master Wall Inc.® allows select products as part of our warranty program. Warranties are available up to 20-years depending upon product selections and combinations.

FEATURES & BENEFITS

- Warranties up to 20-years through Master Wall Inc.®
- Preblended and Concentrate options
- Locally and regionally available for LEED compliance
- Engineered for consistency

Warranties for all projects will be provided by Master Wall® following our regular process. For coverage the following needs to be completed:

- Materials must be purchased through an authorized Master Wall® distributor.
- A warranty must be requested for the project, including all QUIKRETE® requirements noted on the request form.
- The applicator must be certified and current.
- To request a warranty go to the Tech/Support page at masterwall.com and fill out the form.

See our Systems page for Cemplaster Fiberstucco Warranties

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CO-BRAND PRODUCTS

QUIKRETE® One Coat Fiberglass Reinforced Stucco (FRS) (No. 1200 Sanded, No. 1216-Concentrated)

QUIKRETE® Base Coat Stucco Scratch & Brown (No. 1139) & Base Coat Stucco - Pump Grade (No. 1139-86)*

QUIKRETE® Base Coat Stucco with Water-Stop (No. 1139-89)*

QUIKRETE® Base Coat Stucco - Pump Grade (No. 1139-86)*

FRS Lightweight Stucco (No. 1201-56)*

SPEC MIX® SCRATCH AND BROWN FIBER REINFORCED STUCCO(SU-04)*

SPEC MIX® Scratch and Brown Preblended Stucco*

SPEC MIX® Fiber Base Coat (FBC)

WESTERN 1-Kote Gray Concentrate

WESTERN 1-Kote Gray Premium Concentrate

WESTERN 1-Kote Premium Sanded Gray

WESTERN 1-Kote Sanded Gray

*Apply these stucco products in accordance with ASTM C926 and Master Wall® requirements.

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PRODUCT DATA

PRIMECOAT PRIMER

High quality exterior acrylic primer that helps solidify and protect the surface. Integrally colored Primecoat Primer helps make finishes brighter and deeper, reduces efflorescence and extends finish coverage rates. Suitable for priming Master Wall® base coats, new stucco, masonry and concrete that has a pH of 13 or less.

FEATURES & BENEFITS

- Tintable sealer/primer with good hiding power
- Hot prime capable for pH 13 or less
- Reduces finish absorption for improved aesthetics and reduced finish color variations
- Recommended for extreme color changes, under very dark, vivid or bright topcoats or when top tier finishing is specified
- Extends finish coverage, required when spraying Superior Finishes and some specialty finishes
- 100% Acrylic Polymers for durability
- Water-based - easy clean up with water

Application Temperature: 40°-110°F (5°-43°C)

Dry to touch: 1 hour

Recoat Time: 2 hours

Dry Time: 12 hours at room temperature, working and drying time will vary with temperature and humidity.

JOB CONDITIONS

Air and substrate temperature for application of Primecoat 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. Concrete and masonry should be cured a minimum of 28 days, stucco cured a minimum of 7-14 days or surfaces verified to have a pH less than 13.

Coverage per pail (sf/sm)*

1000-1200 sf/pail (93-112 sm)*

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

Packaging/Shelf Life/Storage

Packaging: 5 gallon (19L) pail Pail

Shelf Life: 2 years

Storage: Protect from extreme heat - 90°F (32°C), freezing and direct sunlight.

Technical Data
Water Vapor Transmission (perms), ASTM E96 Vapor Permeable

Substrate Recommendations

Concrete – If preparing for a textured or specialty finish, all projections must be removed and any voids filled with a Master Wall® base coat as needed to provide an appropriate surface.

Masonry – If preparing for a textured or specialty finish, skim coat with a Master Wall® base coat to achieve a smooth level surface. If joints are not struck flush, multiple coats may be required. Contact Master Wall for more information.

Stucco – If additives were used in the stucco, it is recommended that a test patch be made to evaluate bond strength of the Primecoat to the stucco.

Master Wall® Base Coats or Finishes, Previously Painted Surfaces, Cement Composition Siding
Install/Apply and prepare according to published guidelines. Surfaces should be clean, dry, cured and ready to receive coatings.

PRIMECOAT PRIMER

PRODUCT DATA

APPLICATION PROCEDURE

Mixing - Thoroughly stir Primecoat into a homogeneous consistency. Small amounts of clean, potable water may be added to obtain a workable consistency. Do not over mix. Do not exceed 24 ounces (0.7L) of water per pail. Do not add accelerators or retarders to Primecoat.

Application – Primecoat can be applied by brush, roller, or airless spray equipment. When using a roller, a maximum 3/4" (19 mm) nap is recommended. Apply Primecoat in an even, continuous coat of about 3 mils, maintaining a wet edge.

Airless Spray Application - Pressure 2000 p.s.i., Tip .015– to .019 inch. Spray in a consistent manner or backroll after spraying for a consistent application.

Limitations - Primecoat is not intended for use as the final finish coat over Master Wall base coats or other approved substrates.

FOR PROFESSIONAL RESULTS

Apply coatings away from direct sunlight. Cold joints or color variations can occur if the finish dries too quickly. 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). Use of dark colors in high temperature climates can affect the performance of the system, especially EIFS and areas may need to be limited.

CLEAN UP

Tools and equipment can be cleaned with soapy water when Primecoat is wet.

Hazard: This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

VOC: Less than 50 g/L.

Approved Substrates

Master Wall® Base Coats
Stucco
Brick
Masonry
Concrete
Interior Drywall
Previously painted surfaces with bond test
Others approved in writing

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.

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. ©2022 Master Wall Inc.®

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PRODUCT DATA

SUPERIOR FINISHES

To finish strong you need a Superior Finish. Master Wall® finishes are crafted with 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.

FEATURES & BENEFITS

- 100% Acrylic Polymers for durability
- Dirt Pickup Resistant (DPR) Polymer Formulation
- Quartz or Marble aggregate available
- 64 Standard Colors
- Custom color matching available
- DuroTone colorfast pigments, Excel mildew enhancement, Silicone Coat additive available
- Vapor Permeable - resists blistering and allows trapped water vapors to pass
- Low VOC—Suitable for Interior Use
- Water Based - easy clean up with water

Application Temperature: 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 and humidity.

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 mate-rials within prescribed temperature limits and out of direct sun-light. 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 mini-mum of 28 days. Stucco should be cured until clean, dry and hard—typically 14 days with a pH of 10 or less (13 or less if Primecoat Primer is used).

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

Coverage per pail (sf/sm)*

- Perfect Swirl 2.0, 120-150 (11-14)
- Fine Sand 1.0, 160-170 (15-15.8)
- Medium Sand 1.5, 130-150 (12-14)
- Versatex 0.5, Varies with Texture

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

Packaging/Shelf Life/Storage Packaging:

- 5 gallon (19L) pail Pail

Shelf Life: 2 years

Storage: Protect from extreme heat (90°F, 32°C), freezing and direct sunlight.

Technical Data

ASTM B117 Salt Spray Resistance - Pass ASTM

C67 Freeze/Thaw - Pass

ASTM C297 Tensile Bond - 30 psi minimum

ASTM D968 Abrasion Resistance - Pass 500L

ASTM D2247/E2570 Water Resistance - Pass

ASTM D3273 Mildew Resistance - Pass 28 Days

ASTM E84 Surface Burning - Pass, FS=0, SD=0

ASTM E 96 Vapor Permeability - Pass, 12 perms, vapor open

ASTM E108 Flame Propagation - Pass

ASTM E2485/2570 (formerly EIMA 101.01) Impact Resistance - Pass

ASTM G23/G154/G155 Accelerated Weathering - Pass 2000 Hours

ASTM G53 Accelerated Weathering - Pass 2000 Hours

APPLICATION PROCEDURE

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", 1.6 mm) 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 mate-rial. 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 and specified for dark colored finishes, especially those using Ultra Deep Base (UDB) tint base and over stucco 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). Use of dark colors in high temperature climates can affect the performance of the system, especially EIFS and areas may need to be limited.

Deep, intense colors should be specified with DuroTone pigments to maintain colorfastness longer. Verify specialty colors with your Master Wall® Distributor. 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.

Hazard: This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

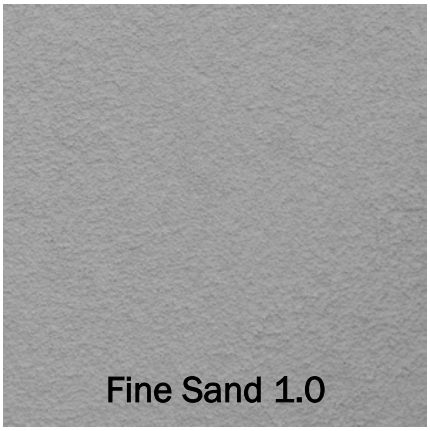
VOC: Less than 50 g/L.
See Superior Finishes for other technical properties

Approved Substrates

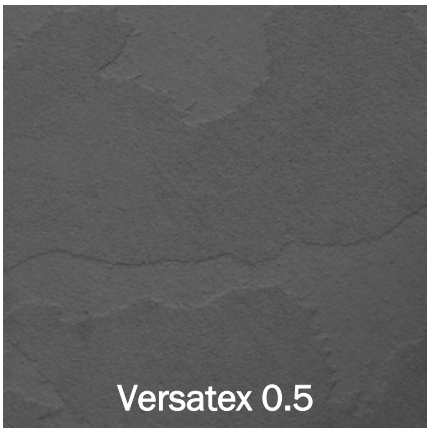
Master Wall® Base Coats
Cemplaster Fiberstucco, One Coat Stucco (OCS), Primecoat Primer surfaces, ASTM C926 Stucco

Prepared & Base Coated Surfaces of:
Brick, Concrete, Masonry
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.

220301

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. ©2022 Master Wall Inc.®

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Master Wall Guide Specification CFS
Cemplaster Fiberstucco

Specifiers note: Stucco applications can be complex and may involve a variety of substrates and different applications. This specification is primarily focused on a typical application over sheathing with an asphalt felt water barrier, 2.5#/sy metal lath, 1/2" thick Cemplaster Fiberstucco and a Superior Finish. Edit as needed for your specific project or contact Master Wall Inc.® for your project needs.

PART I – GENERAL

1.01 SUMMARY

A. This document is to be used in preparing specifications for projects utilizing the Master Wall Inc.® Cemplaster Fiberstucco System.

Related Master Wall Inc.® documents:

1. Master Wall Inc.® Cemplaster Fiberstucco System Data Sheet
2. Master Wall Inc.® Cemplaster Fiberstucco System Application Instructions
3. Master Wall Inc.® Cemplaster Fiberstucco System Installation Details
4. Master Wall product data sheets

B. Related Sections

1. Unit Masonry – Section 04200
2. Concrete – Sections 03300 and 03400
3. Light Gauge Cold Formed Steel Framing – Section 05400
4. Wood Framing – Section 06100
5. Sealant – Section 07900
6. Flashing – Section 07600

1.02 SUBMITTALS

A. Manufacturer's specifications, details, installation instructions and product data
B. Manufacturer's standard warranty
C. Applicator's industry training credentials
D. Samples for approval as directed by architect or owner
E. Sealant manufacturer's certificate of compliance with ASTM C 1382
F. Prepare and submit project-specific details (when required by contract documents)

1.03 REFERENCES

A. ASTM Standards:

A641	Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire
A653	Specification for Sheet Steel Zinc coated (Galvanized) by the Hot-Dip Process, Commercial Quality
B69	Specification for Rolled Zinc
C144	Specification for Aggregate for Masonry Mortar
C297	Standard Test Method for Flatwise Tensile Strength of Sandwich Constructions
C578	Specification for Preformed, Cellular Polystyrene Thermal Insulation

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C847 Standard Specification for Metal Lath
C897 Standard Specification for Aggregate for Job-Mixed Portland Cement-Based Plasters
C926 Standard Specification for Application of Portland Cement-Based Plaster
C1063 Standard Specification for Installation of Lathing and Furring for Portland Cement Plaster
C1177 Specification for Glass Mat Gypsum for Use as Sheathing
C1513 Standard Specification for Steel Tapping Screws for Cold-Formed Steel Framing Connections
D226 Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing
D1784 Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds
D4541 Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers
E84 Test Method for Surface Burning Characteristics of Building Materials
E96 Standard Test Methods for Water Vapor Transmission of Materials
E283 Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen
E330 Test Method for Structural Performance of Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference
E331 Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference
E783 Standard Test Method for Field Measurement of Air Leakage Through Installed Exterior Windows and Doors
E2178 Standard Test Method for Air Permeance of Building Materials
E2357 Standard Test Method for Determining Air Leakage of Air Barrier Assemblies
E2430 Standard Specification for Expanded Polystyrene (“EPS”) Thermal Insulation Boards For Use in Exterior Insulation and Finish Systems (“EIFS”)
E2556 Standard Specification for Vapor Permeable Flexible Sheet Water-Resistive Barriers Intended for Mechanical Attachment
G154 Recommended Practice for Operating Light-and Water-Exposure Apparatus (Fluorescent UV-Condensation Type) for Exposure of Nonmetallic Materials

B. Other Referenced Documents

APA Engineered Wood Association
PS 1 Voluntary Product Standard, Structural Plywood
PS 2 Performance Standard for Wood-Based Structural-Use Panels
E 30 APA Engineered Wood Construction Guide
AISI (American Iron and Steel Institute)
AISI S200-2007 North American Standard for Cold-Formed Steel Framing-General Provisions
ICC (International Code Council)
IBC 2012 and 2015 IBC (International Building Code)
ICC ES (International Code Council Evaluation Service)
AC 11 Acceptance Criteria for Cementitious Exterior Wall Coatings
AC 212 Acceptance Criteria for Water-resistive Coatings used as Water-resistive Barriers over Exterior Sheathing

C. Other Referenced Documents

American Association of Textile Chemists and Colorists AATCC-127 Water Resistance: Hydrostatic Pressure Test
UES Evaluation Report 384, Rollershield Water Barrier
Evaluation Report CCRR-0215, Master Wall Cemplaster Fiberstucco
Evaluation Report ER-0821, Cemplaster Fiberstucco L
QUIKRETE® Stucco Cobrand in Warranty Program, ER-0455
Western Blended Stucco Cobrand in Warranty Program, ER-0821

1.04 SYSTEM DESCRIPTION

A. Structural

1. Design for maximum allowable system deflection, normal to the plane of the wall, of L/360 with a substrate tolerance true to within 1/4" in 10’-0” (6.4 mm in 3.05 m).
2. Design for wind load in conformance with code requirements. Also consult applicable code compliance report.

B. Moisture Control

1. Prevent the accumulation of water into or behind the Cemplaster Fiberstucco, either by condensation or leakage into the wall construction, in the design and detailing of the wall assembly.

a. Provide corrosion resistant flashing to direct water to the exterior where it is likely to penetrate components in the wall assembly, including, above window and door heads, beneath window and door sills, at roof/wall intersections, decks, abutments of lower walls with higher walls, above projecting features, and at the base of the wall.
b. Wall System Design – design wall to eliminate vapor condensation within the wall assembly.
c. Water-resistive Barriers/Drainage Provisions – Provide a barrier over framed construction to meet local building code requirements and indicated on the contract documents.
1. Minimum of two-layers sheet meeting ASTM D-226, Type 1, Grade D or building code-approved alternate.
2. Minimum of two-layers of 10-minute Grade D sheet or two layers complying with ASTM E2556, Type I with individual layers applied separately (IBC 2021, B – Dry Climate Zones, 2510.6.1)
3. Minimum of two-layers of 60-minute Grade D sheet complying with ASTM E2556, Type II with a layer of foam plastic insulating sheathing or other non-water absorbing layer (IBC 2021, B – Dry Climate Zones, 2510.6.1)
4. Drainage provisions: minimum 3/16" (4.8 mm) space added to the above Water-resistive barriers to the exterior side (IBC 2021, A & C – Moist/Marine Climate Zones, 2510.6.2).
5. Drainage provisions: A space with minimum drainage efficiency of 90% as measured in accordance with ASTM E2273 or Annex A2 of ASTM E2925 added to the exterior side of the water-resistive barrier, e.g., grooved insulation board. (IBC 2021, A & C – Moist/Marine Climate Zones, 2510.6.2).
d. Protect sills of rough openings with water resistant barrier, or "peel and stick" type membranes recognized by local codes.
e. Where casing bead is used back-to-back at expansion joints back joints with barrier membrane. Refer to Master Wall® details.

C. Grade Condition
1. Keep Cemplaster Fiberstucco a minimum of 6" (152 mm) above grade in framed construction.

D. Expansion Joints
1. The type, location, ground dimension and orientation of lathing accessories shall be indicated on the contract documents. Provide expansion joints at locations of building movement. Common locations include the following:
a. Where building movement is anticipated (substrate thermal joints, masonry control joints, etc.).
b. At dissimilar substrates.
c. At floor lines in certain wood framed constructions.
d. Where the Cemplaster Fiberstucco meets dissimilar materials.
2. Expansion joint design depends upon the anticipated movement. Master Wall® suggests the following minimum sizes, subject to design acceptance: Windows/Doors – 3/8" (9.5 mm), Building Expansion/Dissimilar Substrates & Materials – 1/2" (13 mm), Floor Line (shrinkage) – 3/4" (19 mm), masonry control joints (1/2" (13 mm) or use a control joint).
3. Sealants
a. Shall be manufactured and supplied by others.
b. Shall be compatible with Cemplaster Fiberstucco System materials. Refer to current Master Wall Inc.® Technical Bulletin #131 for listing of sealants approved by sealant manufacturer for use with stucco systems.
c. The sealant backer rod shall be of closed cell.

E. Control Joints
1. The type, location, ground dimension and orientation of lathing accessories shall be indicated on the contract documents. Common locations include the following:
a. Install control joint lathing accessories at locations to delineate cement plaster panel areas of 144 ft^2 (13 m^2) maximum for walls and 100 ft^2 (9 m^2) maximum for horizontal installation, that is, ceilings, curves, or angle type structures.
b. Install control joint lathing accessories at locations to delineate cement plaster panel areas of 18 ft (5 m) maximum dimension, in either direction or a maximum length-to-width ration of 2-1/2 to 1.

c. Install a control joint lathing accessory at locations where the ceiling framing or furring changes direction.

2. Increase joint requirements where thicker stucco or special structural conditions exist.

3. Typically control joints are tied to the metal lath, which is cut to make two discontinuous slabs but may be continuous if allowed locally following the recommended Technical Bulletin.

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

5. When Cemplaster Fiberstucco is bonded to a solid substrate such as concrete or masonry the control joint requirements may be revised. Control joints may be aligned with any control joints in the plaster base.

F. The type, location, ground dimension and orientation of lathing accessories shall be indicated on the contract documents.

G. Fire Protection

1. Refer to manufacturer's applicable code compliance report for other limitations and fire-resistive assemblies that may apply.

H. Vapor Retarders and barriers – The use and location of vapor retarders and/or barriers within a wall assembly is the responsibility of the project designer and shall comply with local building code requirements.

I. Dark Colors - The use of dark colors must be considered in relation to wall surface temperature as a function of local climatic conditions. Using a primer under dark or intense colors is suggested.

J. Flashing: Shall be provided at all roof-wall intersections, windows, doors, chimneys, decks, balconies, and other areas as necessary to prevent water from entering behind the Cemplaster Fiberstucco and wall system.

1.05 PERFORMANCE REQUIREMENTS

A. Cemplaster Fiberstucco System shall have been evaluated as follows:

Liquid Applied Air/Moisture Barrier Performance

TEST	METHOD	CRITERIA	RESULT
1. Water Penetration Resistance	AATCC 127 (Water Column) ICC ES (AC 212)*	Resist 21.6 in (55 cm) water for 5 hours before and after aging	Pass
2. Water Penetration Resistance after Cyclic Wind Loading	ASTM E1233 / ASTM E331	No water penetration beyond the inner-most plane of the wall after 15 minutes at 137 Pa (2.86 psf)	No water penetration
3. Water Resistance Testing	ASTM D2247 ICC ES (AC 212)*	Absence of deleterious effects after 14-day exposure	Pass: Plywood Cement Board, OSB, Exterior Gypsum (ASTM C79/C1396) and Dens Glass Gold (ASTM C1377) substrates
4. Water Vapor Transmission	ASTM E96 Method B (Water Method)	Measure	30 perms (Rollershield-RS) 12 perms (Rollershield-TG)
5. Air Leakage (material)	ASTM E2178	$\leq$ 0.004 cfm/ft^2 at 1.57 psf (0.02 L/s•m^2 at 75 Pa)	0.0002 cfm/ft^2
6. Air Leakage (assembly)	ASTM E2357	$\leq$ 0.04 cfm/ft^2 (0.2 L/s•m^2) @ 75 Pa	0.003 L/s.m^2 @ 75 Pa 0.02 L/s.m^2 @ 300 Pa
7. 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

8. 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
9. UV Exposure	ICC ES Proc. ICC ES (AC 212)*	210 hours of exposure	Pass
10. Surface Burning	ASTM E84	Flame Spread 0 – 25 for NFPA Class A, UBC Class I	Flame Spread: 5 Smoke Density: 5
11. Tensile Adhesion	ASTM C297	>15 psi (103 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)

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

Fibered Stucco Weather Resistance and Durability Performance*

TEST	METHOD	CRITERIA	RESULTS
1. Freeze/Thaw	ASTM C67	Pass All Code Criteria	Pass
2. Compressive Strength	ASTM C109	1900 psi	Pass
3. Transverse Wind Load	ASTM E330	Withstand positive and negative wind loads as specified by the building code.	+/- 150 psf Ultimate. Allowable varies by Code
4. Accelerated Weathering	ASTM G26	2000 hours	Pass

Fire Performance

TEST	METHOD	CRITERIA	RESULT
1. Surface Burning (individual components)	ASTM E84	Individual components shall each have a flame spread of 25 or less, and smoke developed of 450 or less	Flame Spread: 0 Smoke Developed: 0
2. Fire Rating	ASTM E119	One Hour	Pass
3. Non combustibility	ASTM E136	Furnace testing at 750°C	Noncombustible
4. Multi-Story Fire	NFPA 285	Fire Resistance in multi-story buildings	Pass – designs vary

1.06 QUALITY ASSURANCE

A. Qualifications

1. System Manufacturer: Shall be Master Wall Inc.®. All materials shall be manufactured or sold by Master Wall Inc.® and shall be purchased from Master Wall Inc.® or its authorized distributors.
2. Contractor: Shall be knowledgeable in the proper installation of the Master Wall Inc.® Cemplaster Fiberstucco System and shall be experienced and competent in the installation of stucco. Additionally, the contractor shall possess a current Master Wall Inc.® applicator certificate issued by Master Wall Inc.®

B. Regulatory Requirements

1. Foam plastic insulation shall be separated from the interior of the building by a minimum 15-minute thermal barrier.
2. The use and maximum thickness of foam plastic insulation shall be in accordance with the applicable building codes.

C. Mock-Up
1. As directed, the contractor shall, before the project commences, provide the owner/architect with a mock-up for approval.
2. The mock-up shall be of suitable size as required to accurately represent the products being installed, as well as each color and texture to be utilized on the project.
3. The mock-up shall be prepared with the same products, tools, equipment, and techniques required for the actual application. The finish used shall be from the same batch that is being used on the project.
4. The approved mock-up shall be available and maintained at the job site.
5. For panelized construction, the mock-up shall be available and maintained at the panel fabrication location.

1.07 DELIVERY, STORAGE AND HANDLING

A. All Master Wall Inc.® materials shall be delivered to the job site in the original, unopened packages with labels intact.
B. Upon arrival, materials shall be inspected for physical damage, freezing, or overheating. Questionable materials shall not be used.
C. Deliver all materials in original unopened packages with labels intact. Verify all quantities, colors, and textures against bill of lading.
D. Store all materials protected from direct exposure to weather conditions and at temperatures not less than 40°F (4°C) or greater than 110°F (43°C).
E. Stack insulation board flat, fully supported off the ground and protected from direct exposure to the sun.
F. Material Safety Data Sheets (MSDS) or Safety Data Sheets (SDS) shall be supplied for the components of the system and be available at the job site.

1.08 PROJECT CONDITIONS

A. Ambient air temperatures shall be 40°F (4°C) or greater and rising at the time of installation of the Master Wall Inc.® products and shall remain at 40°F (4°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 Cemplaster Fiberstucco System shall be protected during installation and while curing from weather and shall be protected from site damage.
E. Coordinate installation of the Cemplaster Fiberstucco System with related work specified in other sections to ensure that the wall assembly is protected to prevent water from getting behind the system. 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 sealant work shall be installed in a timely manner. Protect open joints from water intrusion during construction with backer rod, or temporary covering, until permanently sealed.
G. Sufficient labor and equipment shall be employed to ensure a continuous operation, free of cold joints, scaffolding lines, and texture variations, etc.
H. Existing Conditions - The contractor shall have access to electric power, clean water, and a clean work area at the location where the Master Wall Inc.® materials are to be applied.

1.09 SEQUENCING AND SCHEDULING

A. Installation of the Cemplaster Fiberstucco System shall be coordinated with other construction trades.

B. Sufficient labor and equipment shall be employed to ensure a continuous operation, free of cold joints, scaffold lines, texture variations, etc.

1.10 LIMITED MATERIALS WARRANTY

A. Provide a manufacturer's warranty against defective material upon request.

1.11 MAINTENANCE

A. Maintenance and repair shall follow the procedures noted in Master Wall Inc.® Technical Bulletins #112 and #129.

PART II – PRODUCTS

2.01 MANUFACTURER

A. All components of the Cemplaster Fiberstucco System shall be supplied or obtained from Master Wall Inc.® or its authorized distributors. Substitutions or additions of materials other than specified will void the warranty.

2.02 MOISTURE BARRIER (WRB)

(Supplied by various manufacturers) (Typical Application/Optional Component) <edit>

A. WRB01 Minimum of two-layers sheet meeting ASTM D-226, Type 1, Grade D or building code-approved alternate, or minimum of two-layers of 10-minute Grade D sheet or two layers complying with ASTM E2556, Type I with individual layers applied separately, or minimum of two-layers of 60-minute Grade D sheet complying with ASTM E2556, Type II with a layer of foam plastic insulating sheathing or other non-water absorbing layer (IBC 2021, B – Dry Climate Zones, 2510.6.1)

B. WRB02 Tyvek® StuccoWrap® or approved equal sheet weather resistive barrier with a minimum 15-lb/100 ft^2 (0.683 kg/m^2) vapor permeable asphalt saturated felt in compliance with ASTM D 226, Type I or similar in accordance with building code.

C. WRB03 Master Wall® Rollershield LAB, Liquid Applied Air and Water Barrier over an approved sheathing substrate with a minimum 15-lb/100 ft^2 (0.683 kg/m^2) vapor permeable asphalt saturated felt in compliance with ASTM D 226, Type I or similar in accordance with building code.

D. WRB04 Master Wall® Rollershield LAB, Liquid Applied Air and water barrier over concrete or masonry substrates with asphalt-based slip sheet.

E. Peel & Stick Tape: Compatible with moisture barrier, optional behind control joints. <edit>

F. Other weather barrier meeting the local building code criteria and accepted by Master Wall Inc.®

2.03 CONTINUOUS INSULATION (CI)

(Supplied by various manufacturers) (Typical Application/Optional Component)<edit>

A. Expanded polystyrene (EPS) - EPS foam insulation boards, when used as a sheathing, must have a nominal density of 1.5 lb/pcf, and a flame-spread index of 25 or less and a smoke developed index of not more than 450 when evaluated in accordance with ASTM E84. The boards must all comply with ASTM C578 as Type II. All boards must be recognized in an Evaluation Report and in the Evaluation Report of the one coat stucco manufacturer.

B. Foam insulation boards installed without sheathing, over open framing, must have a minimum nominal 1-inch thickness and have a 3/8" (9.5 mm) high tongue with compatible grooves for horizontal joints.

C. Extruded polystyrene (XPS) - XPS foam insulation boards must have a minimum nominal density of 1.5 lb/pcf and must comply with ASTM C578 as Type IV or V.
D. Polyisocyanurate - Polyisocyanurate foam insulation boards must have a nominal density of 2 lb/pcf and must comply with ASTM C1289 as Type II. Polyisocyanurate foam insulation boards must have a flame spread index of 25 or less and a smoke-developed index of 450 or less tested in accordance with ASTM E84 or UL723. Polyisocyanurate boards shall have all squared joints installed at horizontal and vertical edges supported by framing or blocking and be limited to non-fire-resistant-rated and combustible construction.
E. Mineral Wool – Boards must meet the requirements of ASTM C612 as Type IVA or IVB compliant mineral fiber block and board thermal insulation for both solid substrate and open frame construction. Mineral wool insulation boards must have a flame spread index of 0 and a smoke developed index of 0 in accordance with ASTM E84 or UL 723.
F. Insulation Thickness
   1. CI00 No continuous insulation used.
   2. CI01 1” (25.4 mm) insulation thickness
   3. CI02* 1.5” (38 mm) insulation thickness
   4. CI03* 2” (50.8 mm) insulation thickness
   5. CI04 External Insulation (Reference External Insulation information)
G. Provide closure where insulation board is exposed at grade. Reference EIFS Plastic Accessories data sheet.
   *Special lath attachment required. See 2.12.

2.04 DRAINAGE SPACER (DRS)

(Supplied by various manufacturers) (Typical Application/Optional Component) <edit>

A. DRS00 No drainage spacer used.
B. DRS01 Advanced Building Products Inc. Mortairvent: Rainscreen Mat with Backer Fabric, 6 mm & 10 mm, Benjamin Obdyke Home Slicker: Rainscreen Mat, Home Slicker Plus Typar: Rainscreen Mat with water barrier, Home Slicker Stone & Stucco: Rainscreen Mat with mortar fabric.
C. DRS02 Colsella Dörken Delta®-Dry or Delta®-Dry Plus High Performance Rainscreen System, Keene® Building Products Driwall Rainscreen 020-1.

2.05 CEMPLASTER FIBERSTUCCO (CFS)

A. Master Wall® Cemplaster Fiberstucco - factory proportioned, fiber reinforced Portland cement-based stucco for trowel or pump application, field mixed with graded sand (ASTM C 897) and water.
B. Master Wall® Ready Cemplaster Fiberstucco - factory proportioned, fiber reinforced Portland cement-based stucco for trowel or pump application, field mixed with water.
C. Master Wall® Cemplaster Fiberstucco L - factory proportioned, fiber reinforced lightweight stucco for trowel or pump application, field mixed with water.
D. Cemplaster Fiberstucco Co-Brand Products - Approved Quikrete®, Spec Mix® or Western 1-Kote stucco supplied by an authorized Master Wall® distributor and approved in Master Wall Inc.® Co-Brand data sheet and warranty program.
E. Installed thickness shall be: <edit> 3/8” (9.5 mm) CFS01, CFS02, 1/2" (12.7 mm) CFS02, CFS03, 3/4" (19 mm) CFS04*, 7/8” (22.2 mm) CFS05* *(*ASTM C926 compliant thickness)*.

2.06 STUCCO BONDING AGENTS AND ADDITIVES (SA)

(Typical Application/Optional Component) <edit>

A. BA57-water based acrylic resin bonding agent for brush or roller application to prepared masonry or concrete surfaces for direct application to porous substrates.

B. SA00 No stucco additive used.

C. SA01 Master Wall® Stucco Ad Liquid, mixed 3 quarts (2.8 liters) per mix of Cemplaster Fiberstucco, 1 quart (0.95 liters) of Ready Cemplaster Fiberstucco.

D. SA02 Master Wall® Stucco Ad Liquid, mixed 2 gallons (7.6 liters) per mix of Cemplaster Fiberstucco, 3 quarts (2.8 liters) of Ready Cemplaster Fiberstucco.

E. SA03 Master Wall® Stucco Ad Liquid, mixed 5 gallons (19 liters) per mix of Cemplaster Fiberstucco, 1-1/2 gallons (5.7 liters) of Ready Cemplaster Fiberstucco.

2.07 SURFACE REINFORCEMENT MESH (SRM)

(Typical Application/Optional Component) <edit>

A. SRM00 No Surface Reinforcement Mesh used.

B. SRM01 Bulltec Reinforcing Mesh embedded into wet stucco brown coat.

2.08 LEVELING BASE COATS (LBC)

(Typical Application/Optional Component) <edit>

A. LBC00 No leveling base coat used.

B. LBC01 Leveling base coat of Master Wall® F&M, F&M Plus, MBB, MBB Plus, Guardian or WeatherSTOP.

C. LBC02 Reinforced leveling base coat of Master Wall® F&M, F&M Plus, MBB, MBB Plus, Guardian or WeatherSTOP embedded in Master Wall® Standard or Bulltec Mesh.

2.09 FOAM TRIM <edit>

A. Decorative foam trim pieces using Master Wall® materials and recommendations in accordance with the Foam Shapes product data sheet.

2.10 PRIMER (PRIME)

(Typical Application/Optional Component) <edit>

A. PRIME00 No primer used.

B. PRIME01 Master Wall® Primecoat or Sanded Primecoat: acrylic-based tinted primer.

2.11 FINISH COAT (FIN)

(Typical Application/Optional Component) <edit>

A. FIN01 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. Perfect 2.0 - 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

B. FIN02 Superior Elastomeric Plus Finish: Master Wall Inc.® Superior Finishes using elastomeric polymers to bridge minor cracking. The following textures are available:
   1. Perfect 2.0 - 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

C. Finish Enhancements
   1. Silicone Coat FA02 - Factory added silicone enhancement for better water resistance and to keep buildings cleaner.
   2. Excel Mildew Enhancement FA01 - Factory added mildew booster exceeding ASTM D3273 requirements.

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

E. Accents & Coatings
   1. DuraCote architectural coating
   2. Elasto-flex elastomeric architectural coating
   3. Clearshield clear protective coating
   4. Vintique antiquing accent

2.12 METAL PLASTER BASES

(Supplied by others; select one depending on type construction) <edit>

A. Furring- Metal plaster bases shall be furred over all substrates .

B. When the base coat thickness is 1/2-inches (12.7 mm) thick or less, the body of metal plaster base shall be furred a nominal of 1/8-inch (3.2 mm) from the substrate.

C. When the base coat thickness greater than 1/2-inches (12.7 mm) thick, the body of metal plaster base shall be furred a nominal of 1/4-inch (6.4 mm) from the substrate.

D. Approved Plaster Bases
1. Expanded metal lath meeting *ASTM C847 Standard Specification for Metal Lath*.
2. Welded wire lath meeting *ASTM C933 Standard Specification for Welded Wire Lath.*
3. Woven wire lath meeting *ASTM C1032 Standard Specification for Woven Wire Plaster Base*. 20 gage woven wire may only be used when the base coat thickness is 1/2-inches (12.7 mm) thick or less.
4. Nonmetallic plaster bases meeting ASTM C1788; St. Gobain Fibalath™ Glass Fiber Lath, Plastic Components Ultra Lath Plus.

E. Lathing accessories shall meet specifications in *ASTM C1861, Specification for Lathing and Furring Accessories, and Fasteners, for Interior and Exterior Portland Cement-Based Plaster*.

F. Selecting the appropriate type of plaster base and accessories shall be up to the design professional. Plaster base and accessories should be selected to be compatible with the environment and climatic conditions specific to the location of the project. These conditions include, but are not limited to, salt air, high moisture, and industrial pollution.

G. Common Metal Plaster Base Combinations
1. CFS01, 3/8" thick Cemplaster Fiberstucco Minimum No. 17 or 20-gauge galvanized steel woven wire fabric in compliance with ASTM C 1032, Structa Fusion One Coat Stucco Lath or StructaLath III No. 17 SFCR.
2. CFS03, 1/2" thick Cemplaster Fiberstucco Minimum 2.5 lb./yd^2 (1.4 kg/m^2) self-furred galvanized steel diamond mesh metal lath in compliance with ASTM C 847.
3. CFS03-TT, 1/2" thick Cemplaster Fiberstucco with Structalath Twin Trac 316: Welded wire lath reinforcement manufactured by Structa Wire Corp. and recognized in ICC-ES ESR-2017.
4. CFS03-SS, 1/2" thick Cemplaster Fiberstucco Minimum 2.5 lb./yd^2 (1.4 kg/m^2) self-furred stainless steel diamond mesh metal lath in compliance with ASTM C 847, 304 or 316 stainless steel.
5. CFS04, 3/4 " thick Cemplaster Fiberstucco Minimum 3.4 lb./yd^2 (1.8 kg/m^2) self-furred galvanized steel diamond mesh metal lath in compliance with ASTM C 847.
6. CFS-04-ML, 3/4 " thick Cemplaster Fiberstucco with Structalath Mega Lath: Welded wire lath reinforcement manufactured by Structa Wire Corp. and recognized in ICC-ES ESR-2017.
7. CFS04-SS, 3/4 " thick Cemplaster Fiberstucco Minimum 3.4 lb./yd^2 (1.8 kg/m^2) self-furred stainless steel diamond mesh metal lath in compliance with ASTM C 847, 304 or 316 stainless steel.
8. CFS05, 7/8" thick Cemplaster Fiberstucco Minimum 3.4 lb./yd^2 (1.8 kg/m^2) self-furred galvanized steel diamond mesh metal lath in compliance with ASTM C 847.
9. CFS-05-ML, 7/8" thick Cemplaster Fiberstucco with Structalath Mega Lath: Welded wire lath reinforcement manufactured by Structa Wire Corp. and recognized in ICC-ES ESR-2017.
10. CFS05-SS, 7/8" thick Cemplaster Fiberstucco Minimum 3.4 lb./yd^2 (1.8 kg/m^2) self-furred stainless steel diamond mesh metal lath in compliance with ASTM C 847, 304 or 316 stainless steel.
11. Striplath Minimum 4" x 12" (102 mm x 305 mm), in types and weights noted above.

2.13 MECHANICAL FASTENING & ATTACHMENT (by others) <edit>

A. Appropriate non-corroding fasteners, depending on the type framing or substrate and lath-specific requirements:
1. Wood Framing--minimum 11-gauge, 7/16-inch (11 mm) diameter head galvanized roofing nails or 1-inch wire staples driven flush with the plaster base with minimum 3/4-inch (19 mm) penetration into studs, or minimum #8 Type S wafer head fully threaded corrosion resistant screws with minimum 3/4-inch (19 mm) penetration into studs.
2. Steel Framing—minimum #8 Type S or S-12 wafer head fully threaded corrosion resistant screws with minimum 3/8-inch (9.5 mm) penetration into studs.

3. Concrete or Masonry—minimum # 8 wafer head fully threaded corrosion resistant screws for masonry with minimum 1 inch (25 mm) penetration into substrate and approved corrosion resistant hand, power, or powder actuated stub nails with a minimum 3/8" (9.5 mm) head and not less than 3/4" (19 mm) long.
4. For stainless steel, use washers with galvanized fasteners or use stainless steel fasteners to avoid galvanic reaction.

B. Tie Wire—18 gauge galvanized and annealed low-carbon steel in compliance with ASTM A 641 with Class I coating, 18 ga stainless steel wire for stainless steel lath and accessories.

C. Support Plates – For Continuous Insulation (CI) thicknesses of 1.5" (38 mm) or greater, CI02 and CI03 use an approved accessory plate. Wind-Lock Lath Lock or ULP 302, Demand DP300, Buildex Gridmate or Master Wall® approved equal.

2.14 ACCESSORIES

(By others) <edit>

A. Weep screed, casing bead, corner bead, cornerite, corner lath, expansion, and control joint accessories. All accessories shall meet the requirements of ASTM C 1063 and its referenced documents:
1. PVC plastic in compliance with ASTM D 1784, cell classification 13244C.
2. Galvanized metal in compliance with ASTM A653 with G60 coating.
3. Zinc in compliance with ASTM B69.
4. 304 stainless steel trim manufactured in accordance with ASTM C841.

B. All accessories shall be designed with grounds for the specified thickness of the Cemplaster Fiberstucco.

2.15 JOB MIXED INGREDIENTS

A. Water: Clear, clean, and potable without any foreign matter in the solution that may affect the color and setting qualities of the cement, adhesive, base, or finish coat.

B. Sand: Clean, well graded sand free of deleterious materials in compliance with ASTM C897.

C. Cement: Type I or I-II Portland cement meeting ASTM C150.

2.16 MIXING

A. Mix products in accordance with manufacturer's recommendations.

PART III – EXECUTION

3.01 INSPECTION

A. Prior to the application of Master Wall Inc.® Cemplaster Fiberstucco, the substrate shall be examined for compliance with the contract documents and Master Wall Inc.® specifications. The substrate shall have no planar irregularities greater than ¼" in 10' (6.4 mm in 3.05 m). The General Contractor and Architect shall be advised in writing of any discrepancies. Work shall not proceed until unsatisfactory conditions are corrected.

3.02 PREPARATION

A. Protect contiguous work from damage during application of the Cemplaster Fiberstucco. Temporary covering may be required to prevent over spray or splattering of exterior finish coatings on other work.

B. Protect substrate from inclement weather during installation. Prevent infiltration of moisture behind the system that may affect the substrate.

C. Cemplaster Fiberstucco, Adhesive, Base Coats and Finishes shall not be installed when ambient air temperature is below 40°F (5°C). The temperature shall remain at or above 40°F (5°C) during mixing, application and until materials have cured.

D. Sufficient scaffolding, labor and tools shall be provided to prevent cold joints.
E. The substrate shall be clean and dry.
F. Flashings shall be installed as required by construction documents and Master Wall Inc.® details in a manner to prevent the intrusion of water behind the Cemplaster Fiberstucco. All flashing materials should direct the water to the exterior face of the finished system.
G. Concrete (Cast-in-Place)
1. Provide a surface that is slightly scarified, water absorbent, straight and true to within 1/4" in 10'-0" (6.4 mm in 3.05 m). Grind down any projections and remove any form release agents by an appropriate method. Establish surface profile by sandblasting, water blasting, wire brushing, chipping, or other appropriate means. Remove all dust, dirt, grease, laitance, or other bond inhibiting material. Pre-moisten highly absorbent surfaces with water or BA57 prior to placement of Cemplaster Fiberstucco.
H. Concrete Masonry Units
1. Remove projecting joint mortar so it is even with the plane of the wall. Remove surface contaminants such as efflorescence, existing paint or any other bond inhibiting material by sandblasting, water blasting, wire brushing, chipping, or other appropriate means. Pre-moisten highly absorbent surfaces with water or BA57 prior to placement of Cemplaster Fiberstucco.
I. Gypsum Sheathing in compliance with ASTM C1396, Glass Mat Faced Gypsum Sheathing in compliance with ASTM C 1177 and Exterior or Exposure 1 wood-based sheathing (plywood and OSB [Oriented Strand Board]).
1. Verify acceptable installation of sheathing according to the type of sheathing specified.
2. Protect the substrate with a moisture barrier as required by the applicable code and install lath and accessories.

3.03 INSTALLATION, GENERAL
A. Comply with the manufacturers' current published instructions, (specifications, details, data sheets and technical bulletins) for the installation of the Cemplaster Fiberstucco.
B. Mix materials in accordance with Master Wall® literature.
C. Comply with local building codes.

3.04 MOISTURE BARRIER (WRB) INSTALLATION
(Supplied by various manufacturers) (Typical Application/Optional Component) <edit>
A. WRB01 Apply 15-lb/100 ft^2 (0.683 kg/m^2) vapor permeable asphalt saturated felt in compliance with ASTM D 226, Type I or similar in accordance with building code. Apply shingle fashion lapping the water barrier 2" (50 mm) horizontally and 6" (15 cm) horizontally. Apply in the same manner if used as a single-layer slip sheet.
B. WRB02 Tyvek® StuccoWrap® or building code approved equal sheet weather resistive barrier. Install in strict accordance with manufacturer's recommendations.
C. WRB03 Master Wall® Rollershield LAB, Liquid Applied Air and Water Barrier over an approved sheathing substrate with a single layer of WRB01 as a slip sheet. Install in strict accordance with the Master Wall® Rollershield LAB installation instructions. Use Rollershield and Rollershield Flashing Tape in accordance with installation recommendations.
D. WRB04 Master Wall® Rollershield LAB, Liquid Applied Air and water barrier over concrete or masonry substrates with a single layer of WRB01 as a slip sheet. Install in strict accordance with the Master Wall® Rollershield LAB installation instructions. Use Rollershield and Rollershield Flashing Tape in accordance with installation recommendations.
E. Peel & Stick Tape: Install in strict accordance with manufacturer's recommendations as indicated on drawings, optional/required behind control joints. <edit>

3.05 CONTINUOUS INSULATION (CI)

(Supplied by various manufacturers) (Typical Application/Optional Component) <edit>

A. CI00 No continuous insulation used.

B. CI01 1" (25.4 mm) insulation thickness (R-5 @75F).

C. CI02* 1.5" (38 mm) insulation thickness (R-7.5 @75F).

D. CI03* 2" (50.8 mm) insulation thickness (R10 @75F).

E. CI04 External Insulation (Reference External Insulation information)

F. Install insulation tightly in accordance with Master Wall Inc.® and manufacturer recommendations in a running bond pattern, interlock inside and outside corners.

G. Fasten insulation boards in place using approved fastening method in the center of the board at framing locations.

H. If the insulation is being used as a weather resistive barrier (WRB), seal in accordance with manufacturers recommendations.

I. Provide closure where insulation board is exposed at grade. Reference Plastic Accessories data sheet.

*Special lath attachment required. See 2.12.

3.06 DRAINAGE SPACER (DRS)

(Supplied by various manufacturers) (Typical Application/Optional Component) <edit>

A. DRS00 No drainage spacer used.

B. DRS01 Advanced Building Products Inc. Mortairvent: Rainscreen Mat with Backer Fabric, 6 mm & 10 mm, Benjamin Obdyke Home Slicker: Rainscreen Mat, Home Slicker Plus Typar: Rainscreen Mat with water barrier, Home Slicker Stone & Stucco: Rainscreen Mat with mortar fabric., Keene Building Products Driwall Rainscreen 075: Wide Spaced Rainscreen Mat, Driwall Rainscreen 075-1: Wide Spaced Rainscreen Mat with mortar fabric. Install in strict accordance with manufacturer's recommendations. Attach drainage spacer at framing locations only.

C. DRS02 Colsella Dörken Delta®-Dry or Delta®-Dry Plus High Performance Rainscreen System or Keene® Building Products Driwall Rainscreen 020-1. Install in strict accordance with manufacturer's recommendations. Attach drainage spacer at framing locations only.

D. Where a defined drainage space is provided over the weather resistive barrier under lath and cement plaster, the ground dimension of lathing accessories with solid attachment flanges installed behind the water resistive barrier and defined drainage space to facilitate drainage such as weep screeds, designated drainage screeds, expansion joints and drainage flashings, shall accommodate the defined drainage space dimension and specified cement plaster thickness. Install components and flashings as needed to facilitate drainage.

3.07 ACCESSORY, LATH INSTALLATION

After satisfactory inspection of surfaces and correction of any deviations from specification requirements commence the Cemplaster Fiberstucco installation in accordance with A or B below. Accessory type, depth, location, and orientation shall be included in the contract documents. Where masonry or concrete surfaces vary in plane, plaster thickness required to produce level surfaces shall not be required to be uniform.

A. Installation over new cast-in-place concrete or concrete masonry units (unreinforced):

1. Install foundation weep screed at the base of the wall as required.
2. Install casing beads at Cemplaster Fiberstucco terminations—doors, windows and other through wall penetrations. Install two-piece expansion joints, back-to-back casing beads or control joints at joints in the supporting construction, building expansion joints, where the Cemplaster Fiberstucco is to be installed over dissimilar construction or substrates, at changes in building height, at floor lines, columns, and cantilevered areas as directed on the construction documents. Install corner bead at outside corners and corner lath at inside corners (except where lathing is installed continuously through the

corner). Install full accessory pieces where possible and avoid small pieces. Seal adjoining pieces by embedding ends in sealant if specified. Abut horizontal into vertical joint accessories. Attach at 6 inches (152 mm) on center into concrete/masonry with appropriate fasteners.

3. Solid surfaces shall have the suction (ability to absorb water) or surface roughness, or both, to provide the bond required for plaster.
4. Smooth or nonabsorbent solid surfaces, such as cast-in-place or precast concrete, shall be prepared to receive Cemplaster Fiberstucco by one of the following methods as needed:
   a. Sandblasting, wire brushing, acid etching or chipping or a combination thereof.
   b. Application of a dash-bond coat applied forcefully against the surface, left untroweled, undisturbed, and moist cured for at least 24 hours
   c. Pre-moisten with BA57 prior to the placement of Cemplaster Fiberstucco.

B. Installation over frame construction with sheathing and reinforced masonry with a WRB:

1. Weep Screed Installation
   a. Install foundation weep screed at the base of the wall securely to framing with the appropriate fastener. Locate foundation weep screed so that it overlaps the joint between the foundation and framing by a minimum of 1 inch (25 mm). Locate the foundation weep screed minimum 4 inches (101 mm) above earth grade, 2 inches (51 mm) above finished grade (paved surfaces, for example).
2. Weather Protection
   a. Weather barrier will lap onto foundation weep screed as noted in Master Wall® details.
   b. Verify that WRB installation is complete.
3. Casing Bead and Expansion Joint Installation
   a. Install casing beads at Cemplaster Fiberstucco terminations—doors, windows and other through wall penetrations. Install expansion joints (or back-to-back casing beads) at building expansion joints, where the Cemplaster Fiberstucco is to be installed over dissimilar construction or substrates, at changes in building height, at floor lines, columns, and cantilevered areas. Install full accessory pieces where possible and avoid small pieces. Seal adjoining pieces by embedding ends in sealant. Abut horizontal into vertical joint accessories. Attach at 6-inch (152 mm) centers into framing with appropriate fasteners. (Note: refer to architectural drawings for joint locations and accessory type. Moisture protection must be continuous behind joints and accessories.)
4. Control Joint Installation
   a. Install control joints according to the type, location, ground dimension and orientation as indicated on the contract documents. Tack in place as insure proper alignment during the application of the lath. Wire tie control joints to lath at 6 inches (152 mm) on center if framing members are not present under the accessory.
   b. Seal any exposed ends and edges preferably by setting them in sealant during installation to prevent water entry.
   c. Install peel and stick flashing tape under wall control joint locations if specified. <not a requirement, edit>
5. Lath Installation
   a. Diamond Mesh Metal Lath
      1. General--install metal lath with the long dimension at right angles to structural framing. Terminate lath at expansion joints and also at control joints where not surface applied. Stagger side laps a minimum of one framing member.
      2. Seams/overlaps – Side laps shall be lapped a minimum of 1/2” (13 mm) and a maximum of 2” (50 mm). End laps shall be lapped a minimum of 1” (25 mm) and a maximum of 2” (50 mm). overlap side seams 1/2 inch (13 mm) and end seams a minimum 1-inch (25 mm). Overlap casing beads and expansion joints minimum 1 inch (25 mm) onto the narrow wing accessories and 2 inches over expanded flange accessories.

3. Attachment-fasten securely through sheathing into structural framing at 6 inches (152 mm) on center maximum vertically and 16-24 inches (41-61 cm) on center horizontally*. Wire tie horizontal laps at 8 inches (204 mm) on center at side laps, and where end laps occur between supports.

b. Wire Lath

1. General--unroll wire lath with the long dimension at right angles to structural framing. Terminate wire lath at expansion joints and also control joints where not surface applied. Stagger side laps a minimum of one framing member.
2. Seams/overlaps – Side laps shall be lapped a minimum of one mesh at sides and ends. Where end laps occur between framing members, the ends of the sheets shall be laced, or wire tied with tie wire a minimum of 0.0475 (1.21 mm) diameter.
3. Attachment--fasten securely through sheathing into structural framing at 6 inches (152 mm) on center maximum vertically and 16-24 inches (41-61 cm) on center horizontally*. Wire tie horizontal laps at 8 inches (204 mm) on center at side laps, and where end laps occur between supports.

*(*Note: the type of fastener selected, its layout and pullout or withdrawal value from the supporting construction must be verified and approved by the project engineer/architect with respect to design wind load and local building code requirements).*

c. Paper-backed lath—follow installation as for metal lath. Lap lath over lath, not paper to lath overlap. For horizontal overlaps the paper backing must lap shingle style behind the lath-to-lath overlap.

d. Structa Wire Products – follow manufacturer's instructions for installation.

e. Apply Striplath, minimum 4" x 12" (102 mm x 305 mm), in type and weights of selected lath at casing bead corners if control joints are not used off windows and doors.

f. Inside and Outside Corners - Install corner lath at inside corners and corner bead at outside corners over lath (except where lathing is installed continuously through the corner). Attach through lath into framing at 6 inches (152 mm) on center with appropriate fasteners.

3.08 CEMPLASTER FIBERSTUCCO APPLICATION

A. Cemplaster Fiberstucco Application

1. Mix Master Wall® Cemplaster Fiberstucco in strict accordance with Master Wall Inc.® recommendations adding additional components identified in the project specifications.
2. When mixing add Master Wall® Stucco Ad Liquid in quantities noted in SA01 assemblies.
3. Scratch Coat: apply Cemplaster Fiberstucco with sufficient pressure to key into and embed the metal lath (if used). Apply sufficient material, approximately half the Cemplaster Fiberstucco ground thickness to cover the metal lath and to permit scoring the surface. Score the Cemplaster Fiberstucco horizontally upon completion of each panel in preparation for brown coat if a "double back" application of a wet scratch and brown coat is not being used.
4. Brown Coat: as soon as the scratch coat is firm enough to receive the brown coat without damage, apply the brown coat with sufficient pressure to ensure intimate contact with the first coat to an approximate thickness as needed to bring the Cemplaster Fiberstucco to a uniform thickness that matches the grounds of the accessories. Use a rod or straight edge to bring the surface to a true, even plane. Fill depressions in plane with Cemplaster Fiberstucco.
5. After the Cemplaster Fiberstucco has become slightly firm float the surface lightly with a Darby or wood float to densify the surface and to provide a smooth, even surface. Embed Bulltec Mesh into the wet brown coat if specified.
6. Moist cure using fogging, plastic films, or other method acceptable to the design professional for 48-72 hours. Mixes with Master Wall® Stucco Ad Liquid do not need moist curing.
7. Allow to fully cure until clean, dry, and hard before finishing:
   - Typically, 7-14 days if no Master Wall® Stucco Ad Liquid is used.

- After 72 hours if Master Wall® Stucco Ad Liquid is used provided the Cemplaster Fiberstucco is clean, dry, and hard.
- After 24 hours if using a leveling base coat (LBC).

8. See Master Wall® Technical Bulletins and data sheets for additional curing, drying and application recommendations.

(Note: The proper time to float is when the wood float no longer sticks to the surface of the Cemplaster Fiberstucco)

B. Leveling Base Coat (LBC01 and LBC02)

a. Ensure that the surface of the Cemplaster Fiberstucco is cured, clean, dry, and free of efflorescence, oil or other contaminants that would impair adhesion.

b. Mix Leveling Base Coat materials in accordance with Master Wall Inc.® recommendations

c. LBC01: Apply the base coat to the entire surface of the Cemplaster Fiberstucco approximately 3/32" (2.4 mm) thick.

d. LBC02: Apply the base coat to the entire surface of the Cemplaster Fiberstucco approximately 3/32" (2.4 mm) thick. Immediately embed Master Wall Inc.® reinforcing mesh into wet base coat with a trowel, working from the center toward the edges, until the mesh is fully covered, and a smooth surface is achieved. The color of the mesh shall not be visible, but a slight mesh pattern may be visible. Lap mesh 2 ½" (64 mm) minimum on all sides. Reinforcing Mesh shall be continuous through all interior and exterior corners extending beyond the corner a minimum of 12" (30 cm) from both directions creating a minimum of two layers of standard reinforcing mesh on all interior and exterior corners.

e. Allow to dry a minimum of 12 hours at room temperature before finishing.

3.09 FINISH APPLICATION

A. Primecoat Application (PRIME01)

1. Apply Primecoat or Sanded Primecoat: Apply evenly according to the data sheet using brush, roller, or proper spray equipment over the clean, dry Cemplaster Fiberstucco and foam shape buildouts and allow to dry thoroughly before applying finish.

B. Superior Finish Coat Application (FIN01 and FIN02)

1. Surface irregularities in the base coat, such as trowel marks, insulation board lines and reinforcing mesh laps shall be corrected prior to the finish application.
2. Apply the Master Wall Inc.® Superior Finish in the color and texture as approved by the project owner or the project architect with sufficient labor and equipment to insure a continuous operation without cold joints, scaffolding lines etc. Texture finish shall match approved jobsite samples. Thickness and coverage will vary depending on the specified final appearance.
3. Trowel Application – (Perfect 2.0, Fine Sand 1.0, Medium Sand 1.5, Versatex 0.5)
   a. Apply the Superior Finish to the clean, dry, and cured base coat with a stainless-steel trowel.
   b. Level the surface to a uniform thickness of 3/32" to 1/8" (2.4-3.2 mm).
   c. Float the Finish with a plastic float in a uniform motion to achieve the desired texture.

C. Spray Application – (Perfect 2.0, Fine Sand 1.0, Medium Sand 1.5, Versatex 0.5)

a. Prime surface with Master Wall Inc.® Primecoat or Sanded Primecoat tinted to match the selected finish color. Allow Primecoat or Roller-Flex to cure a minimum of 12 hours prior to finish coat application.

b. Using a conventional plaster hopper gun or a proven pump, spray finish over the primed base coat to achieve desired texture using a circular overlapping pattern keeping the spray gun at a 90° angle to the surface and maintaining the same distance to the wall at all times.

c. Be cautious of flooding an area with too much finish because it may appear shinier when it dries.

D. Specialty Finishes: Follow individual product data sheet application instructions.

3.10 JOB SITE CLEANUP

A. Clean work area in accordance with contract documents removing all excess materials, droppings, and debris. Clean adjacent surfaces.

B. Other trades may now install their work – Sheet Metal (Section 07620), Sealants (Section 07900), Mechanical (Section 15000), Electrical (Section 16000).

3.11 PROTECTION

A. Cemplaster Fiberstucco System 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

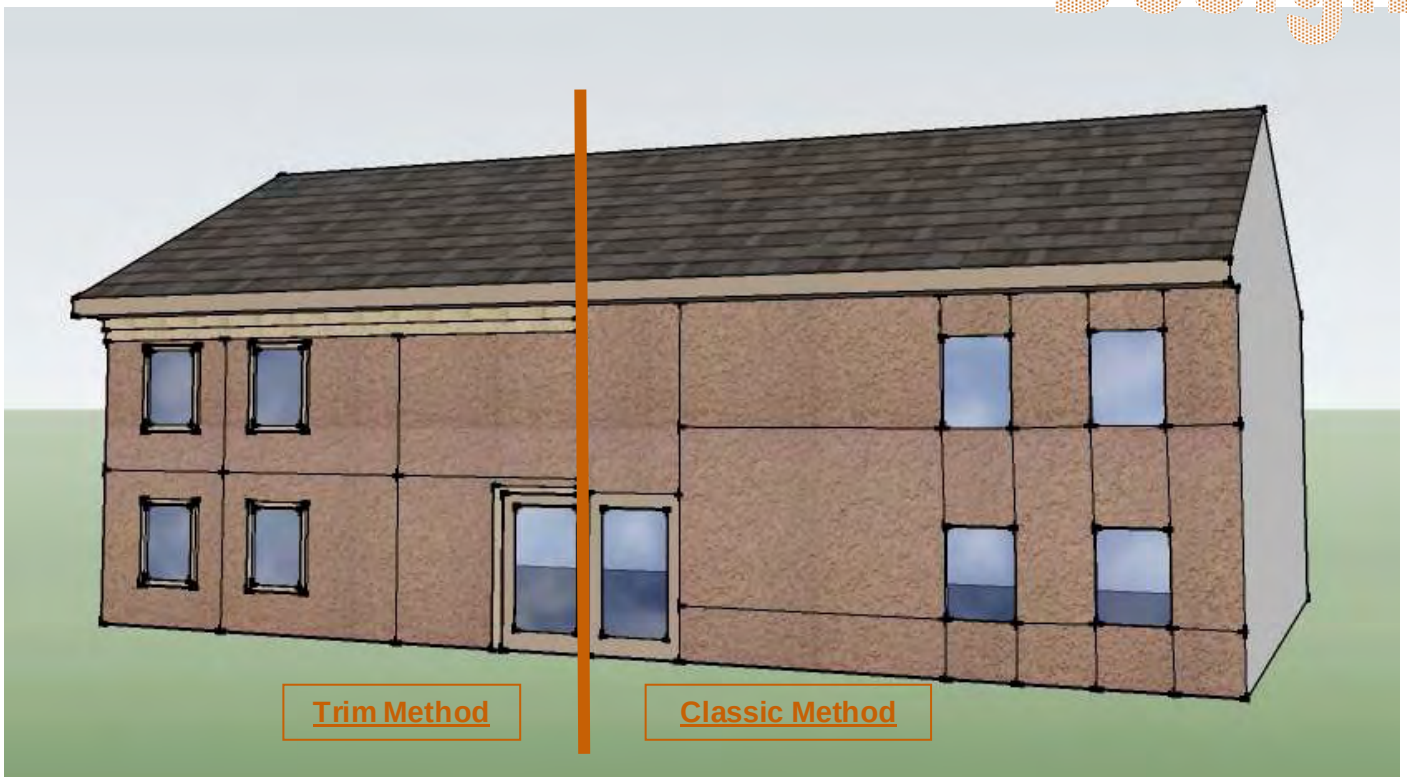
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Design



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

- 144 sf (13.4 sm) is the maximum overall area
- One dimension shall not exceed 2-1/2 times the other dimension
- At all dissimilar substrate/sheathing transitions.
- Possibly off corners of windows/doors.
- Increase control joint requirements where thicker stucco or special structural conditions exist.

CFD-01

Control Joint Study (General)

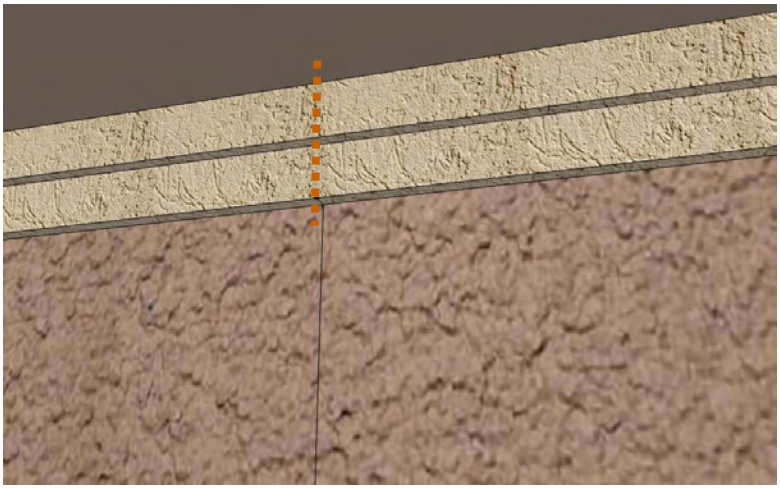
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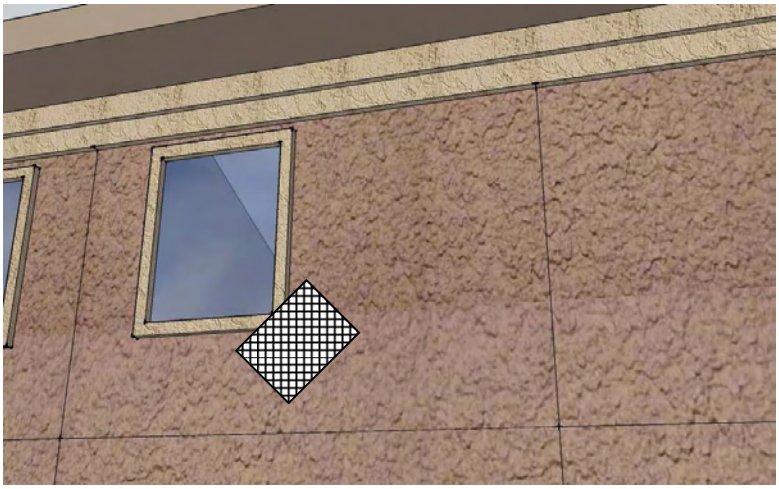
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Trim Method Notes

- If trim is planned it's usually best to avoid running the control joints through them.
- Evaluate floor line conditions and place either a control or expansion joint.
- If large foam trims are used, plan on adding an expansion joint in the trim if the control joint continues behind it.
- Use Striplath reinforcement at corners.

CFD-02

Control Joint Study (Trim Method)

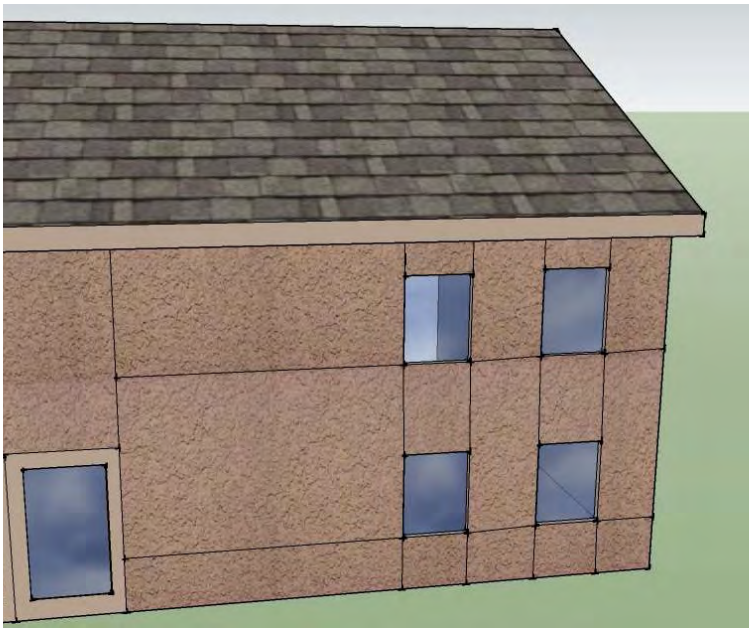
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Design

Classic Method Notes

- The classic method uses the window and door openings as part of the control joint process
- Evaluate floor line conditions and place either a control or expansion joint if needed, otherwise follow the general guidelines.
- Generally foam trims aren't used with this aesthetic condition.
- Do not use butterfly lath reinforcement at corners.

CFD-03

Control Joint Study (Classic Method)

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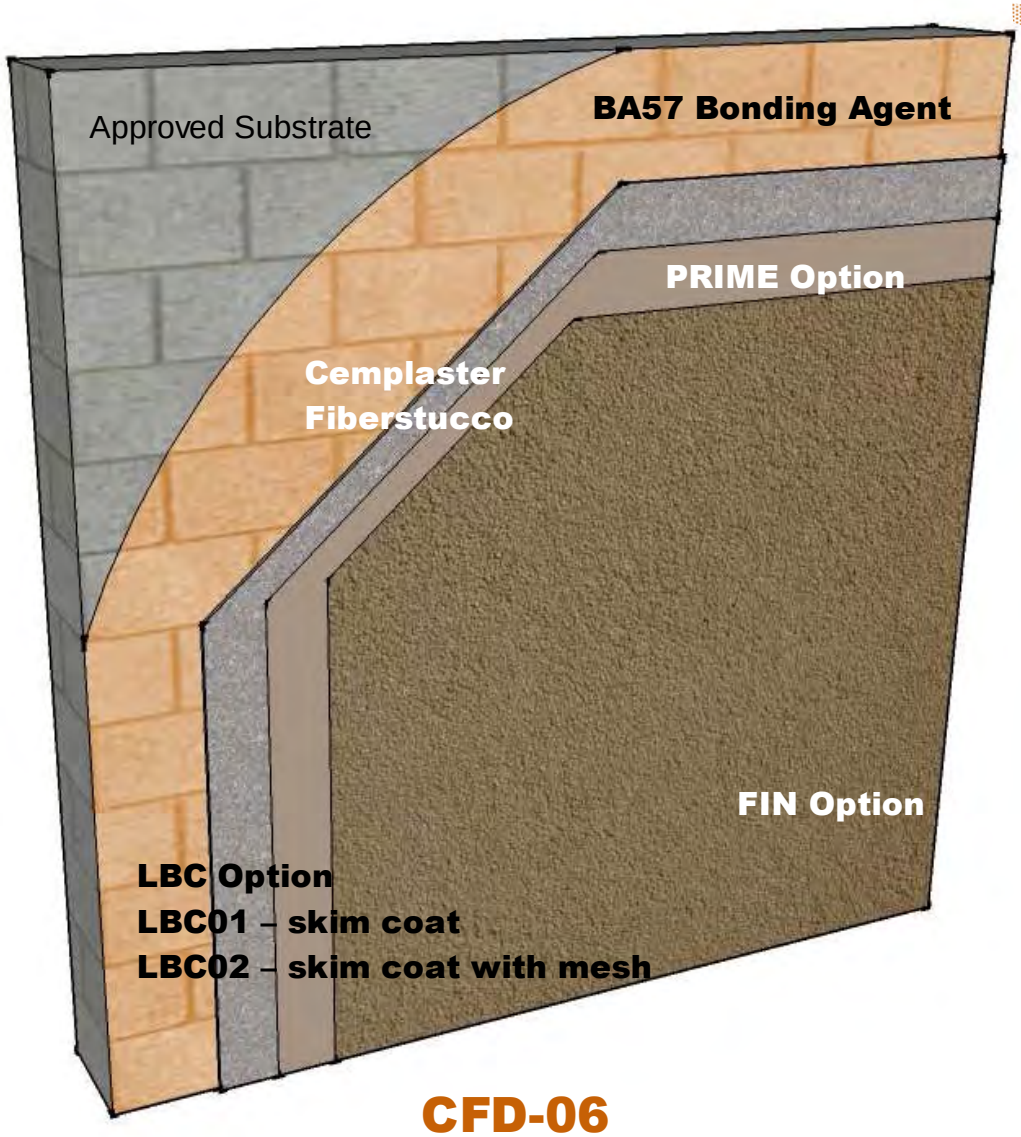
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Layout



CFD-06

CFS02 Cross-Section with options

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CFD-20

Prime01 Primecoat

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CFD-21

FIN – Finish Options

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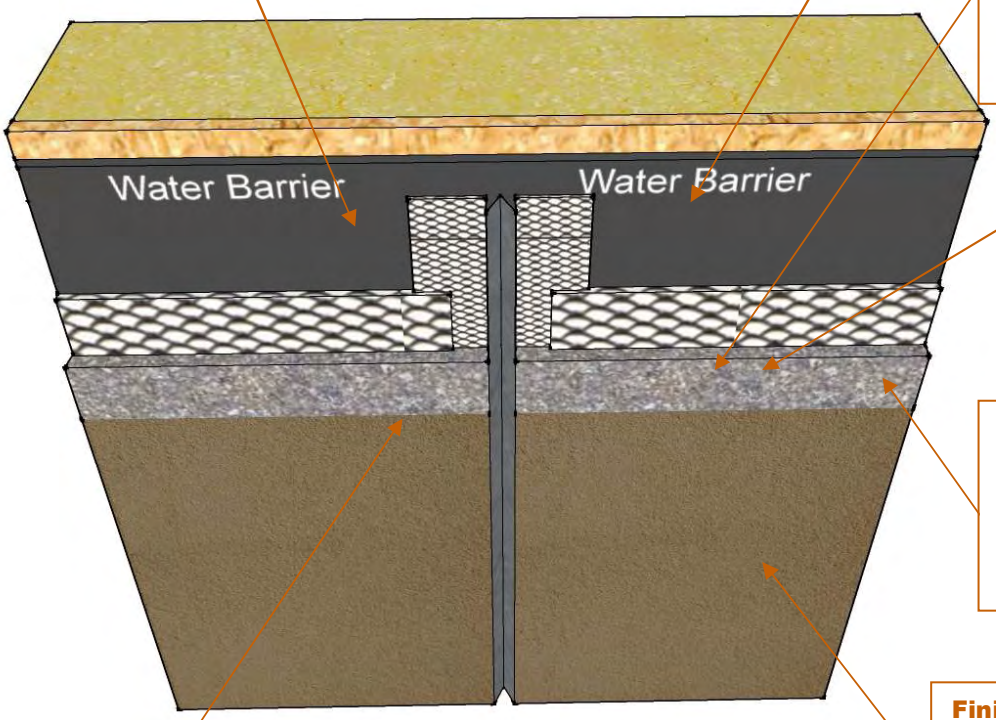
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Drainage Spacers (DRS)
- ❑ DRS00 (none, shown)
- ❑ DRS01 - Mat
- ❑ DRS02 - Rainscreen

Weather Resistive Barriers (WRB)
- ❑ WRB01 (minimum)
- ❑ WRB02 - Tyvek® + Felt
- ❑ WRB03 – **Rollershield** + Felt

Leveling Base Coats (LBC)
- ❑ **LBC00 (none, shown)**
- ❑ **LBC01**
- ❑ **LBC02**



Stucco Additives (SA)
- ❑ **SA00 (none, shown)**
- ❑ **SA01 – Stucco Ad-Liquid**
- ❑ **SA02 – Stucco Ad-Liquid**
- ❑ **SA03 – Stucco Ad-Liquid**

Cemplaster Fiberstucco
- ❑ **CFS01– 17 ga, 3/8" thick**
- ❑ **CFS03 – 2.5 lath, 1/2" thick**
- ❑ **CFS04 – 3.4 lath, 3/4" thick**
- ❑ **CFS05 – 3.4 lath, 7/8" thick**

Control Joint Accessory. See notes for placement recommendations

Primers (PRIME)
- ❑ **PRIME00 (none, shown)**
- ❑ **PRIME01**

Finishes & Additives (FIN, FA)
- ❑ **FIN01 (minimum, shown)**
- ❑ **FIN02 – Elastomeric Plus**
  - ❑ **FA01 Excel Option**
  - ❑ **FA02 Silicone Option**

CFD-22

Typical Cross Section

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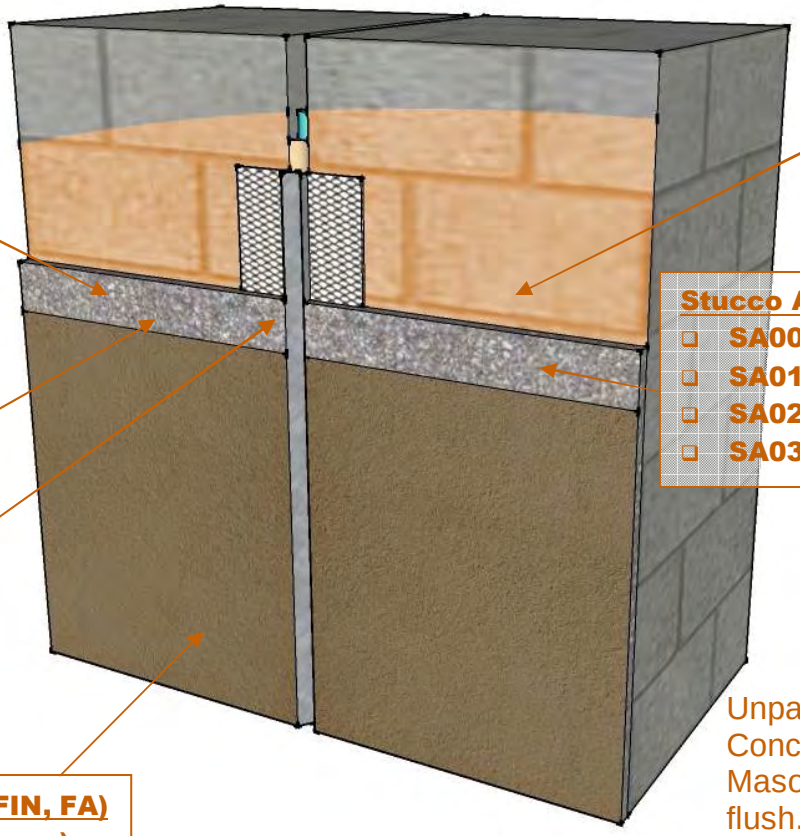
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Cemplaster Fiberstucco
- ❑ **CFS02 – Direct, 3/8" or 1/2" thick,**

Leveling Base Coats (LBC)
- ❑ **LBC00 (none, shown)**
- ❑ **LBC01**
- ❑ **LBC02**

Primers (PRIME)
- ❑ **PRIME00 (none, shown)**
- ❑ **PRIME01**

Finishes & Additives (FIN, FA)
- ❑ **FIN01 (minimum, shown)**
- ❑ **FIN02 – Elastomeric Plus**
  - ❑ **FA01 Excel Option**
  - ❑ **FA02 Silicone Option**



Bonding Agent
- ❑ **BA57**

Stucco Additives (SA)
- ❑ **SA00 (none, shown)**
- ❑ **SA01 – Stucco Ad-Liquid**
- ❑ **SA02 – Stucco Ad-Liquid**
- ❑ **SA03 – Stucco Ad-Liquid**

Unpainted Masonry or Concrete. Specify Masonry joints struck flush.

Notes:

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

- At masonry control joints
- In accordance with masonry guidelines
- Provide additional control joints where special conditions exist.

CFD-23

Typical Cross Section

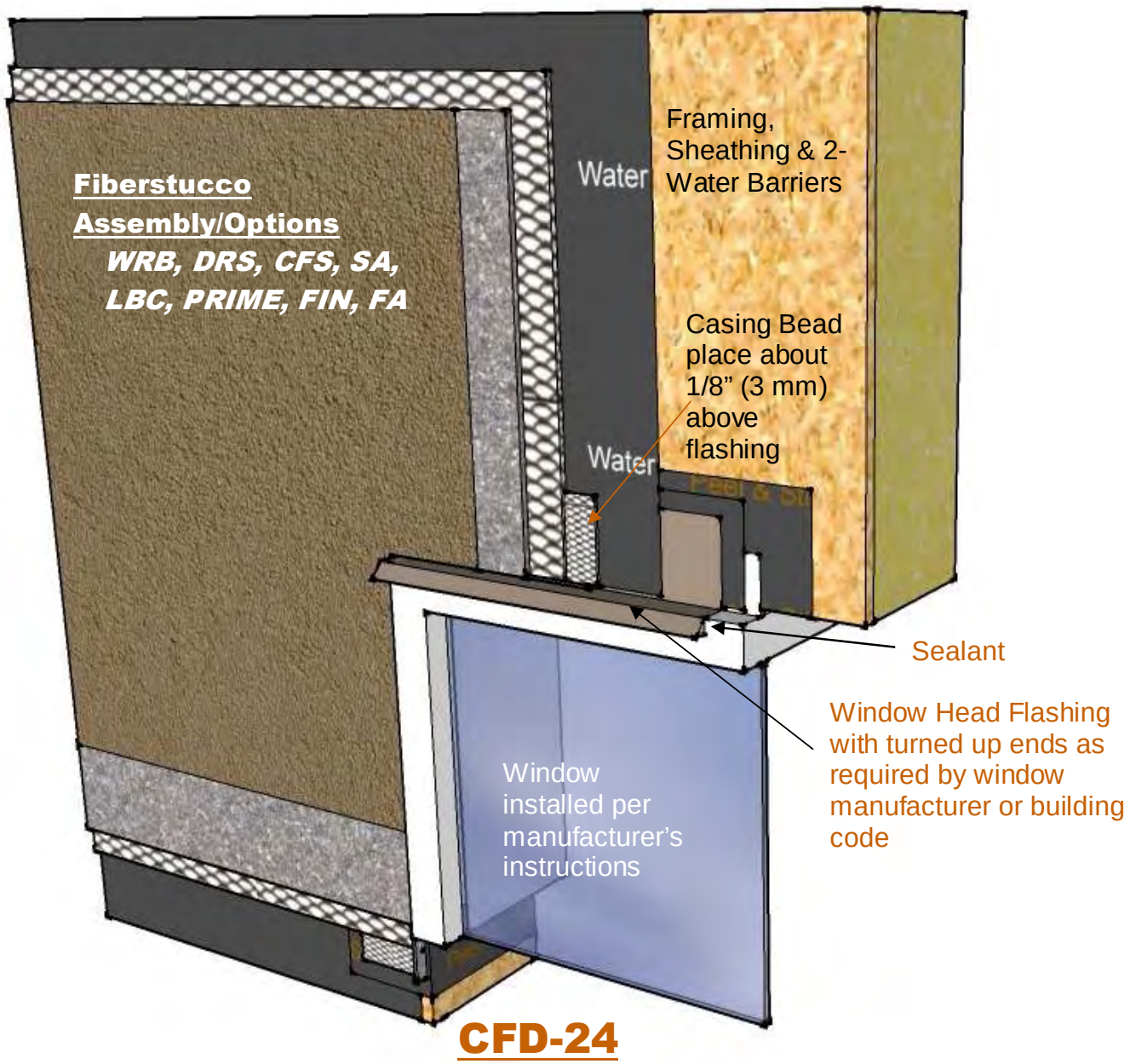
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CFD-24

Window Head with Nailing Fin

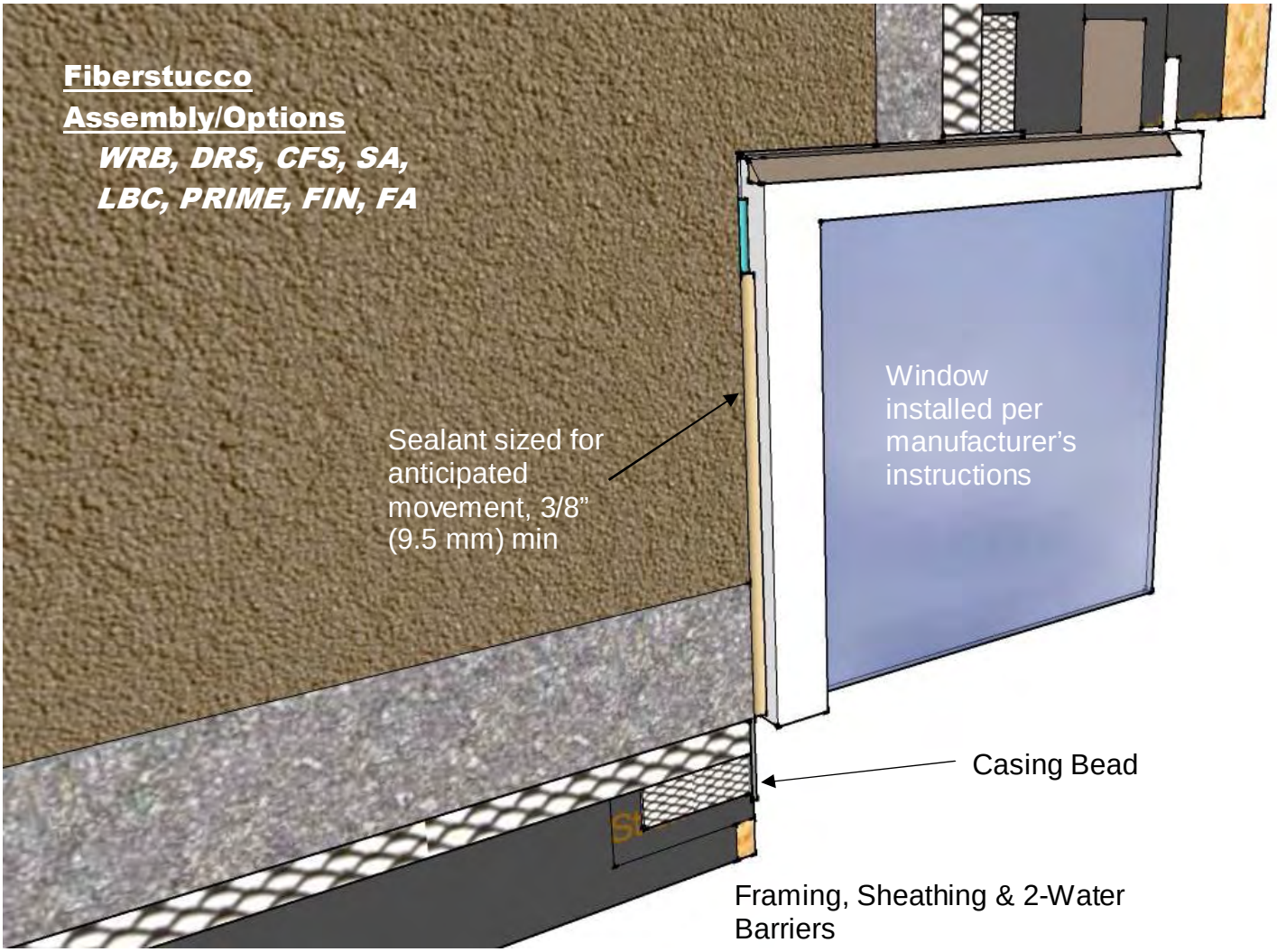
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CFD-25

Window Jamb with Nailing Fin

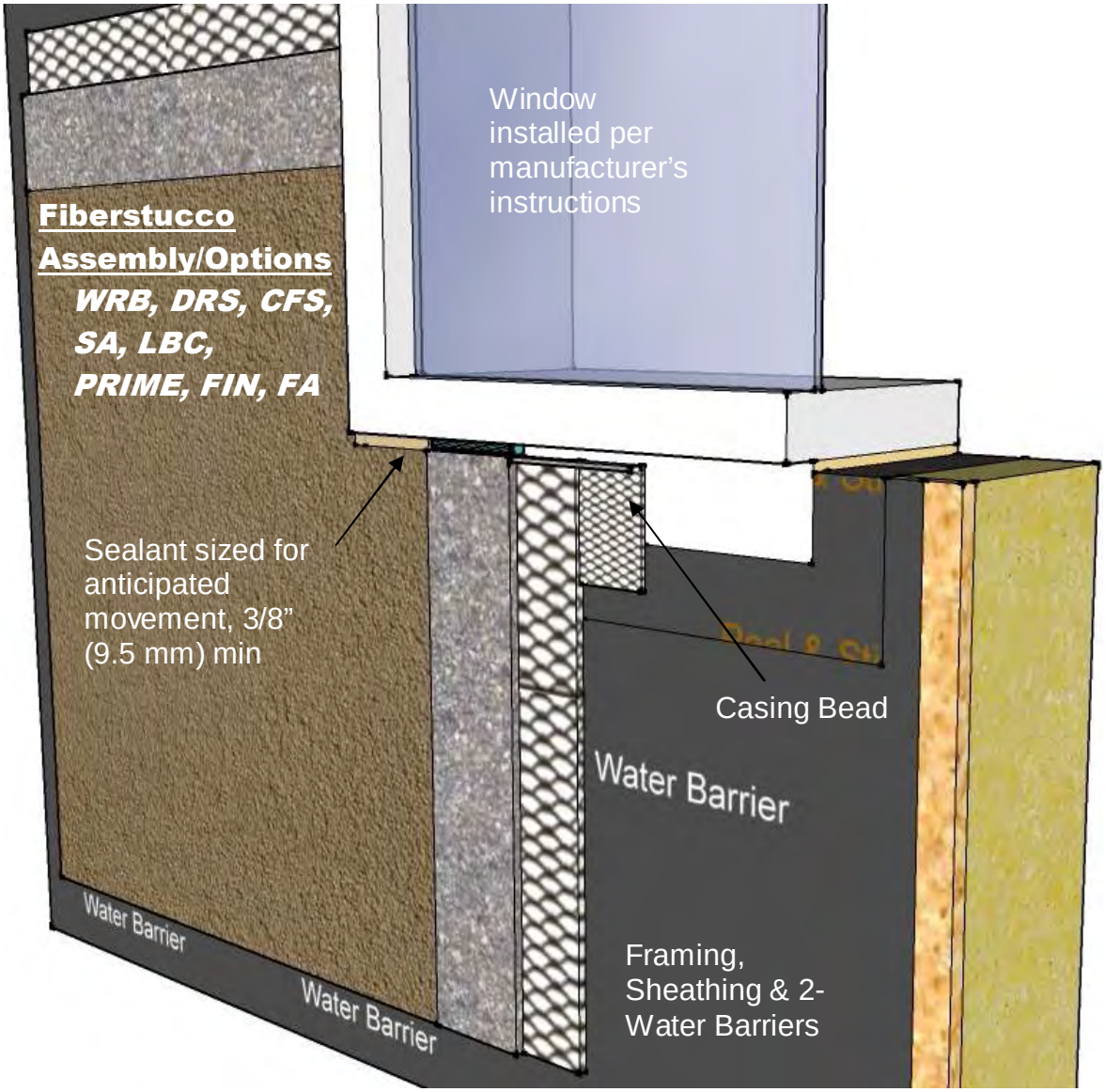
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CFD-26

Window Sill with Nailing Fin

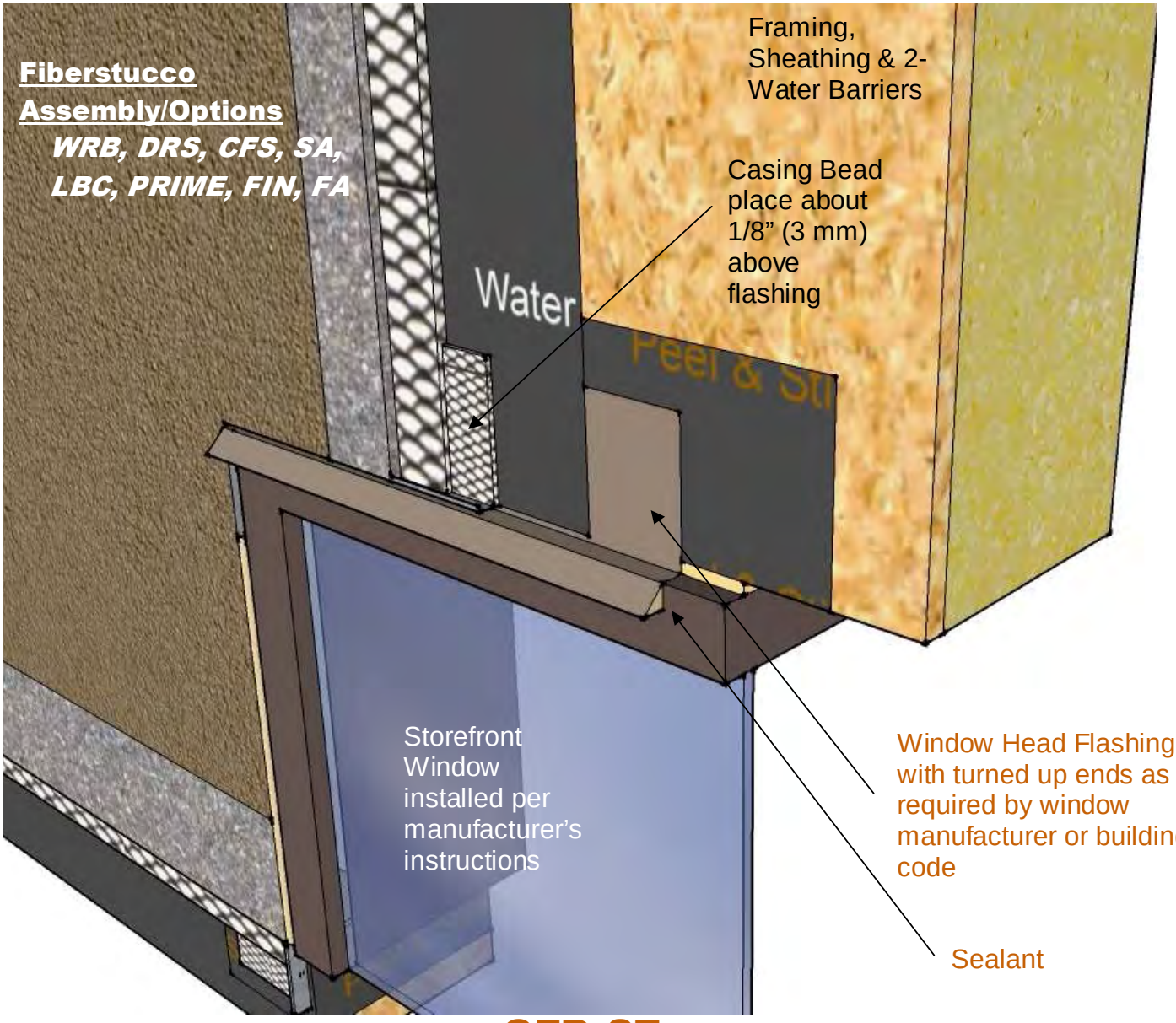
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CFD-27

Storefront Window Head

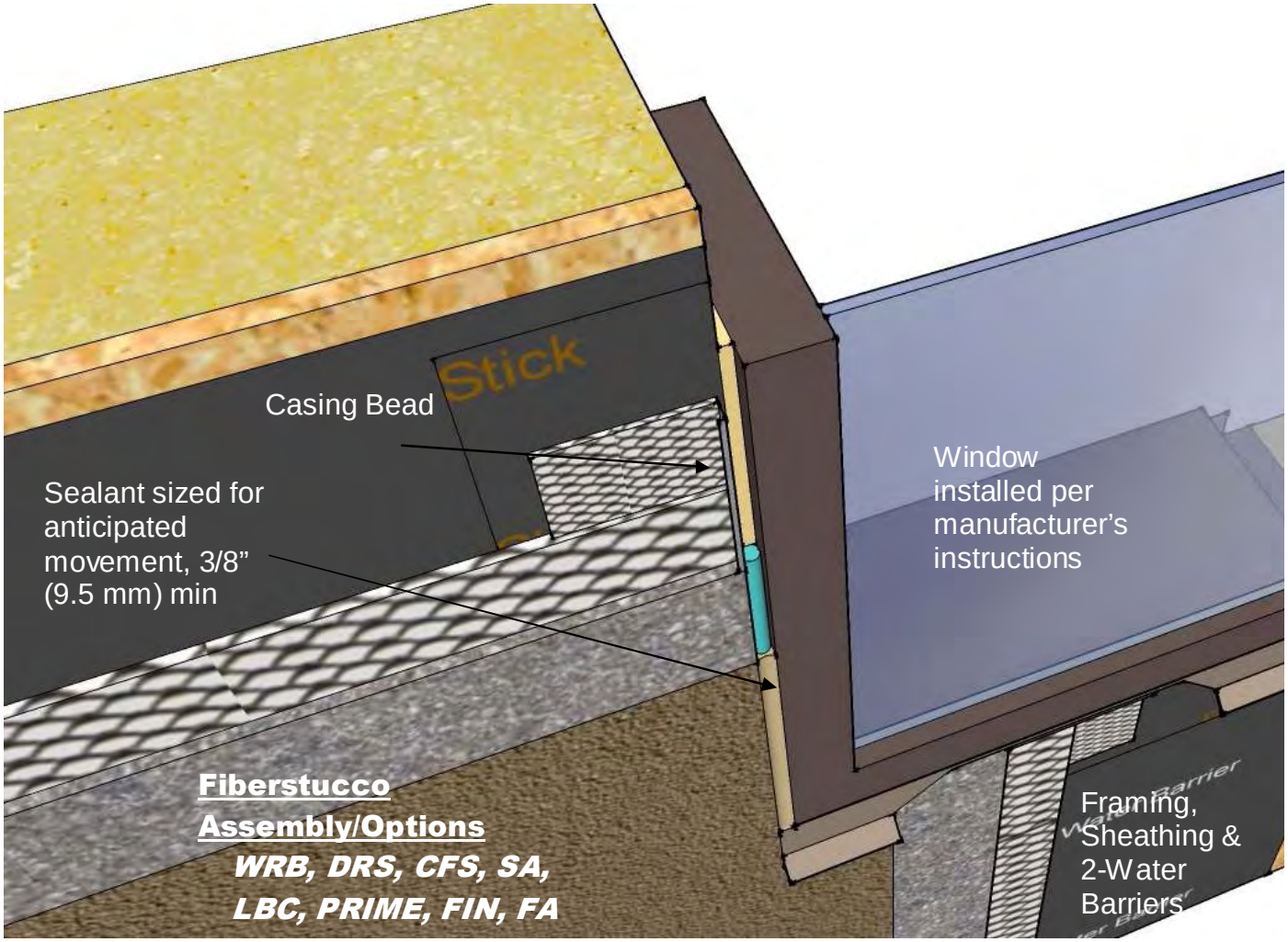
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CFD-28

Storefront Window Jamb

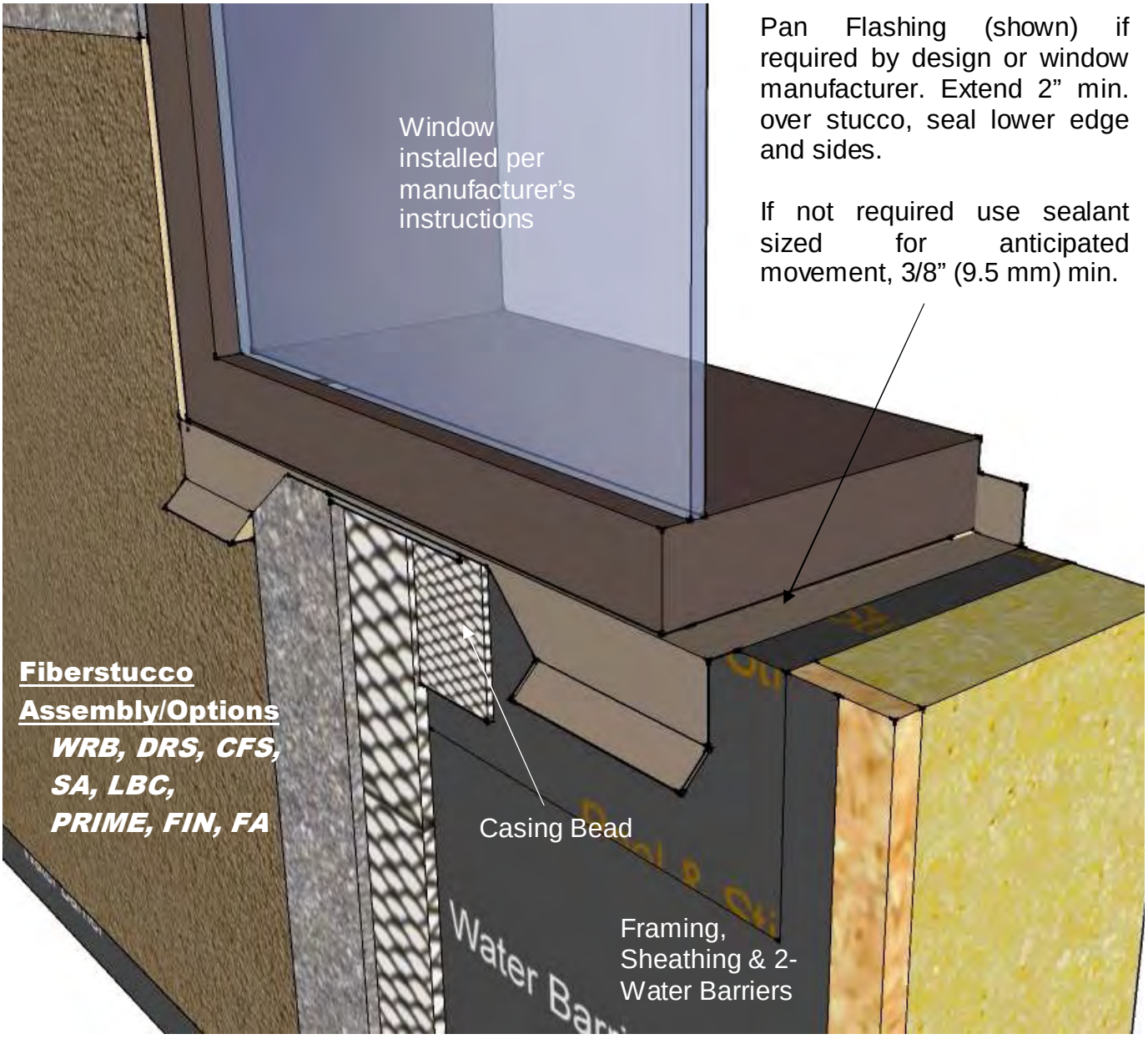
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CFD-29

Storefront Window Sill

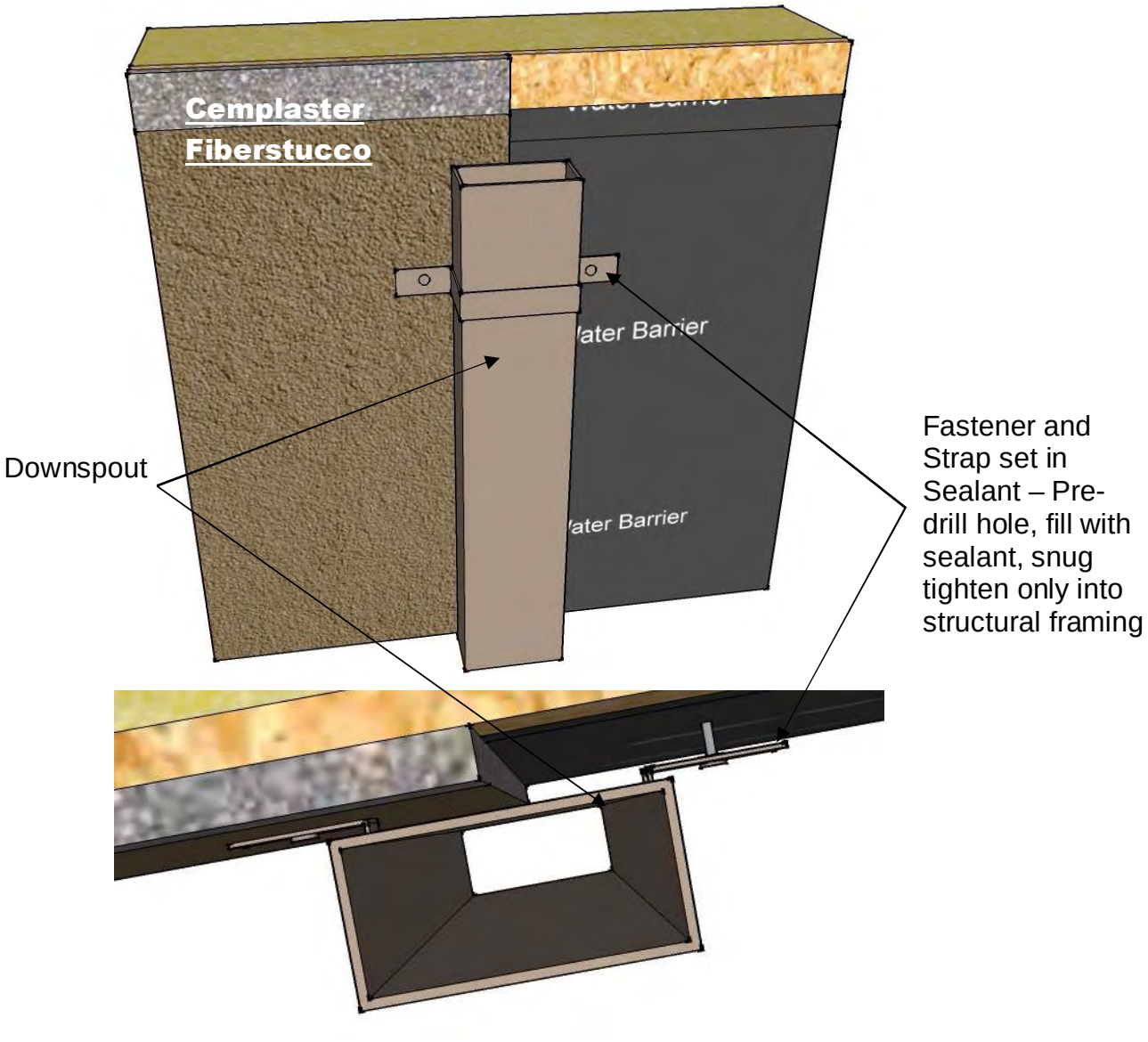
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CFD-30

Downspout Attachment Notes

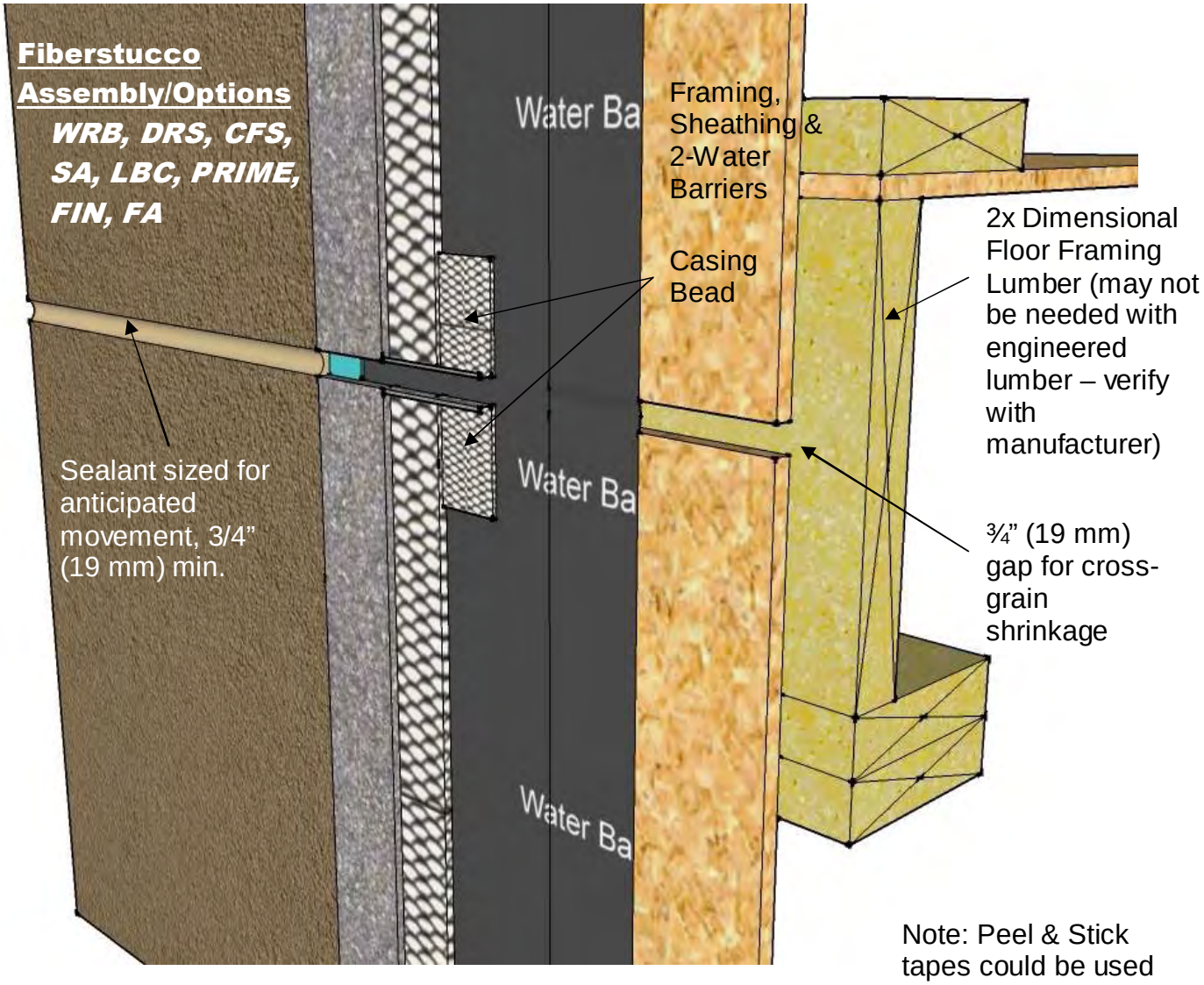
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Note: Peel & Stick tapes could be used at floor lines for additional protection

CFD-31

Floor Line Expansion Joint

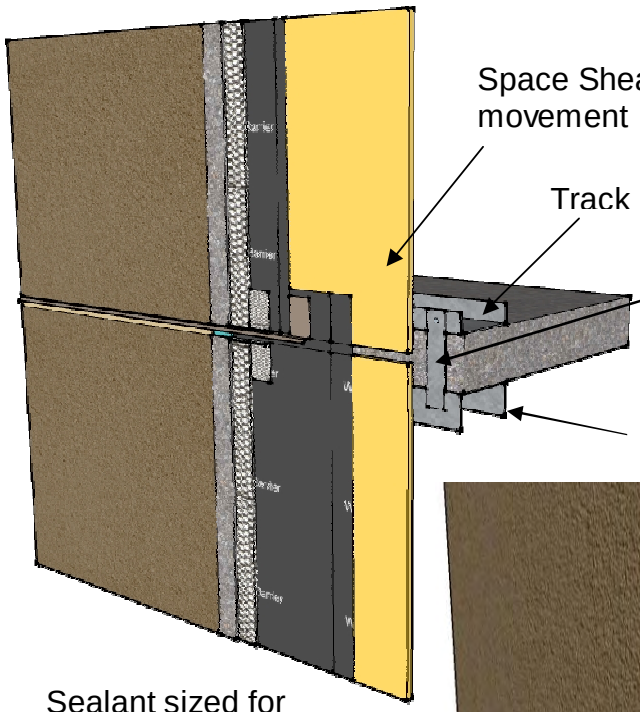
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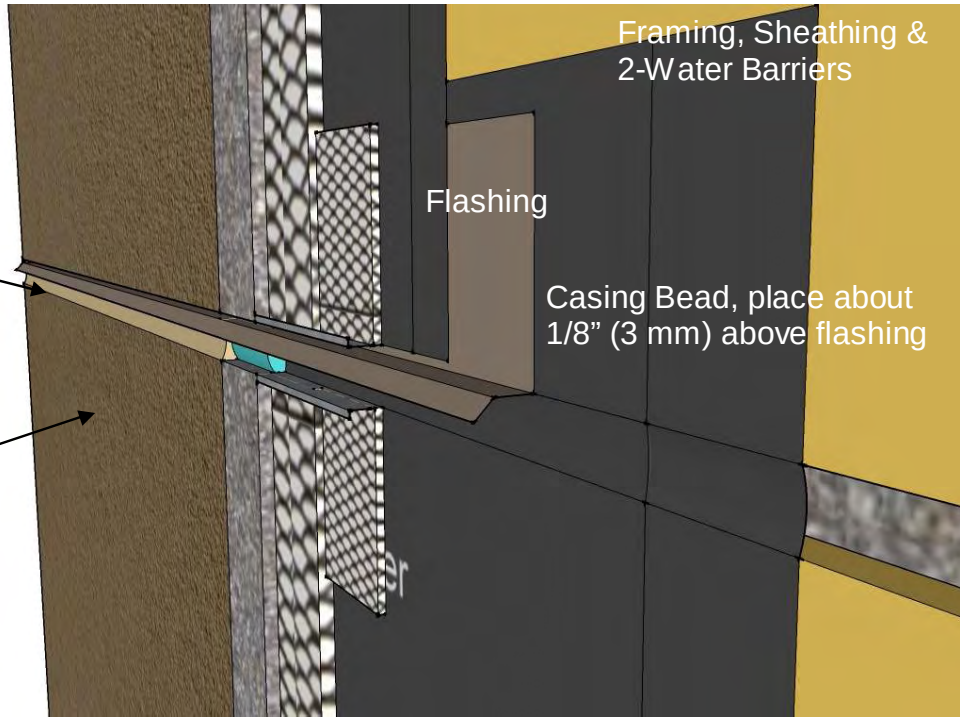


Space Sheathing for anticipated movement

Track

Provide support strapping spaced on 8" centers, fastened top only if slab is offset from framing

Slip Track, anticipated movement occurs here



Sealant sized for anticipated movement, 3/8" (9.5 mm) min.

Fiberstucco Assembly/Options

WRB, DRS, CFS, SA, LBC, PRIME, FIN, FA

Note: Peel & Stick tapes could be used at floor lines for additional protection

CFD-32

Floor Line Expansion Joint with Drainage Provision

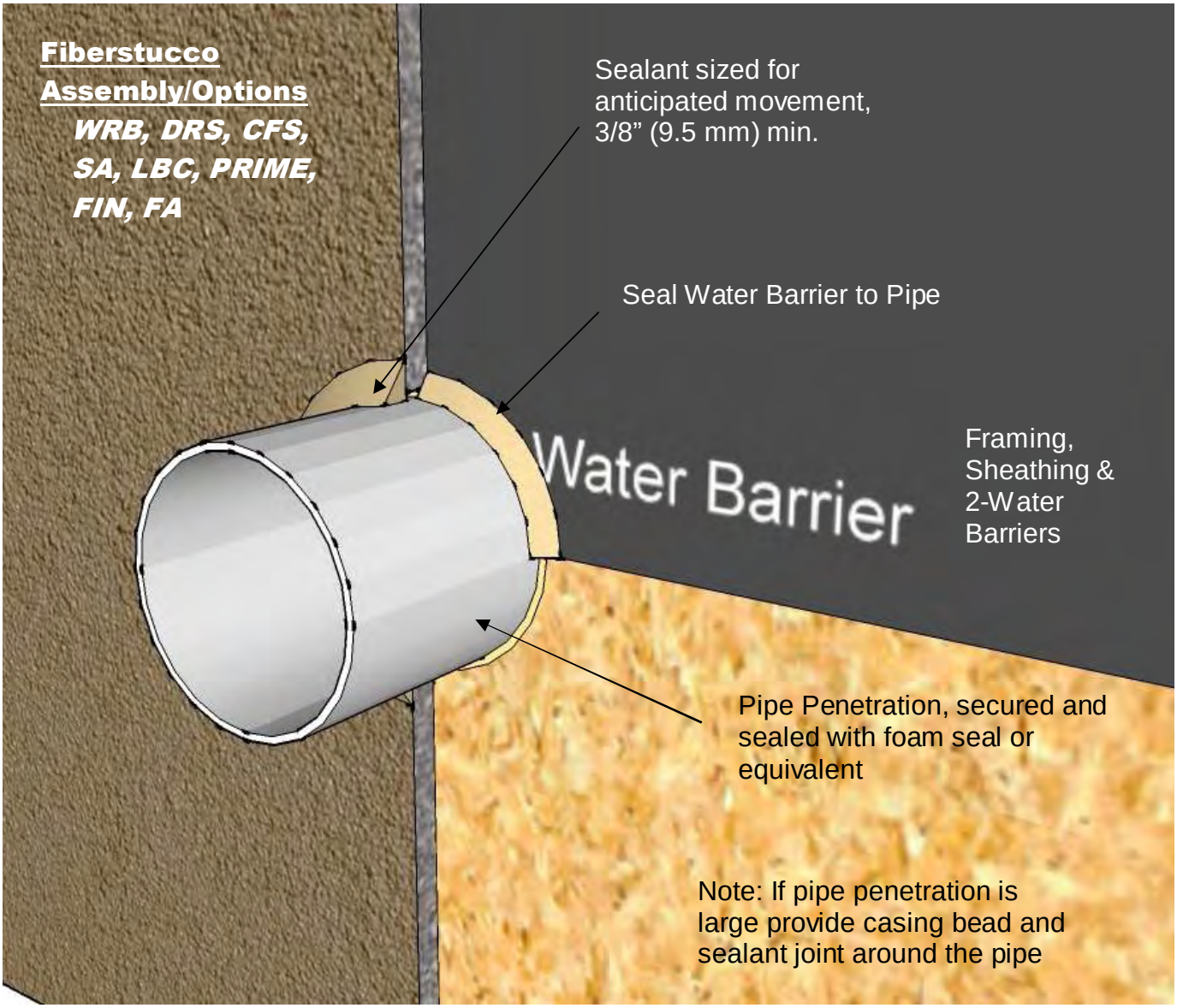
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CFD-33

Pipe Penetration

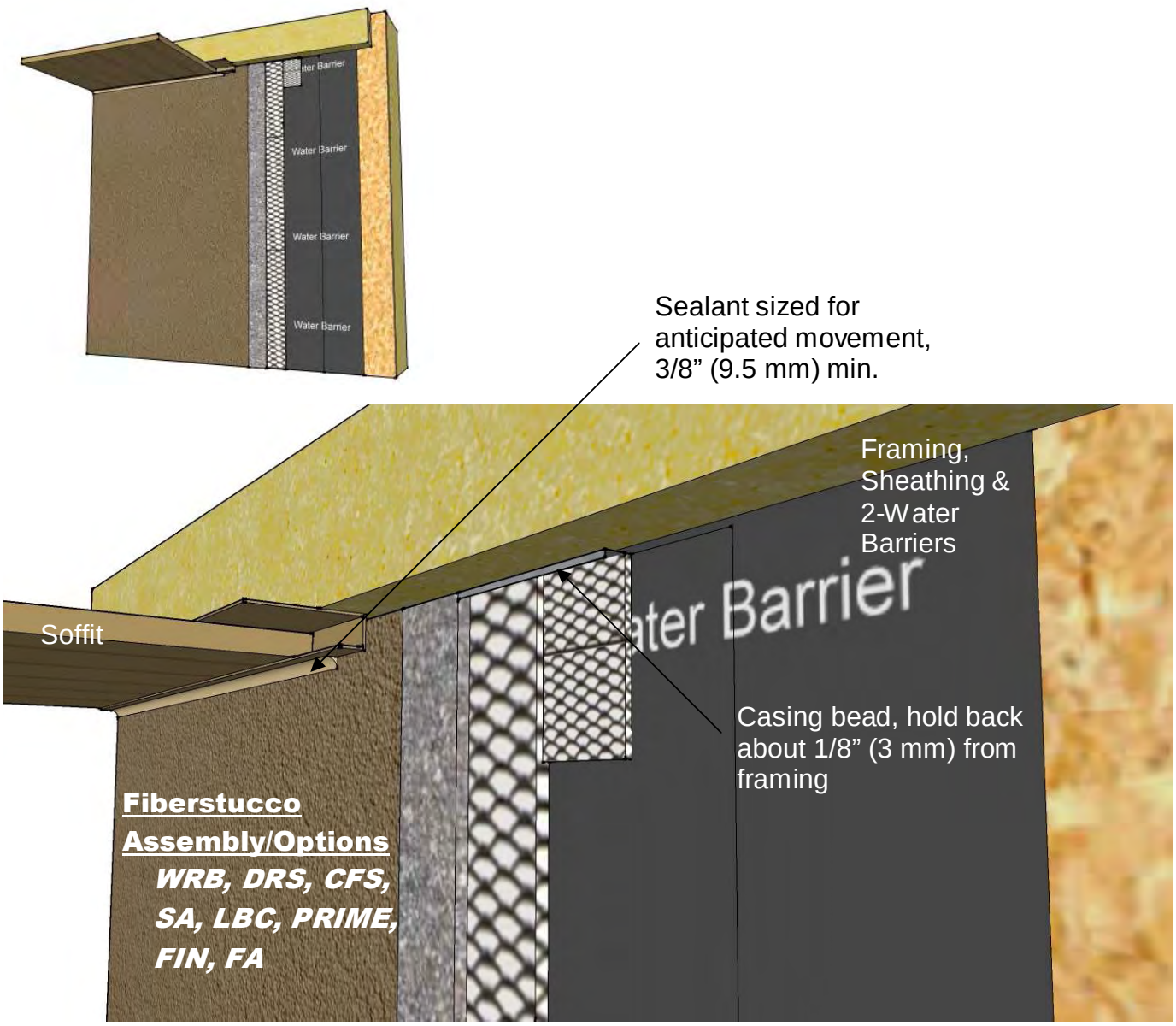
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CFD-34

Soffit Detail

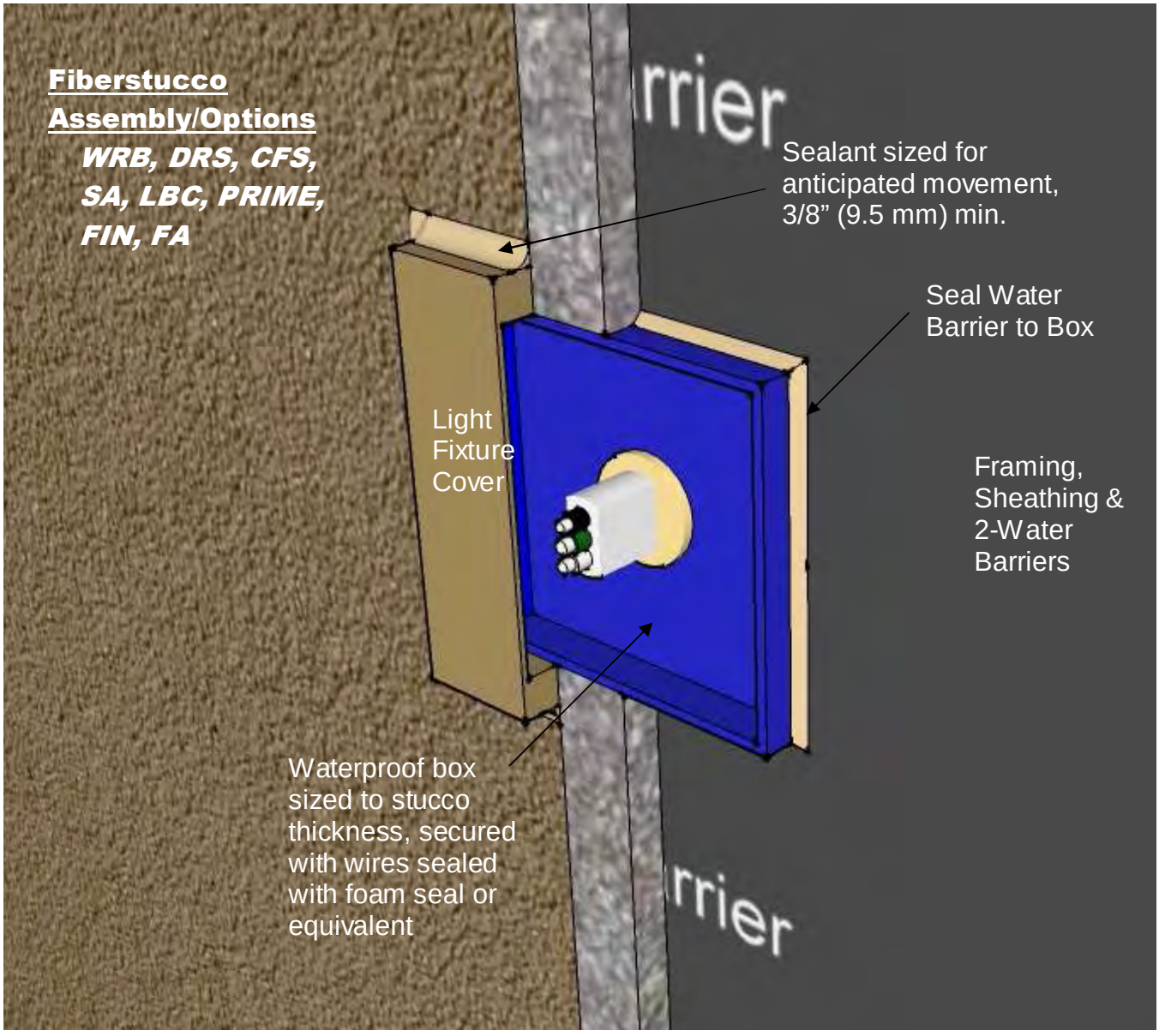
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CFD-35

Light Fixture Detail

Note: If light fixture penetration is large provide casing bead and sealant joint around the box

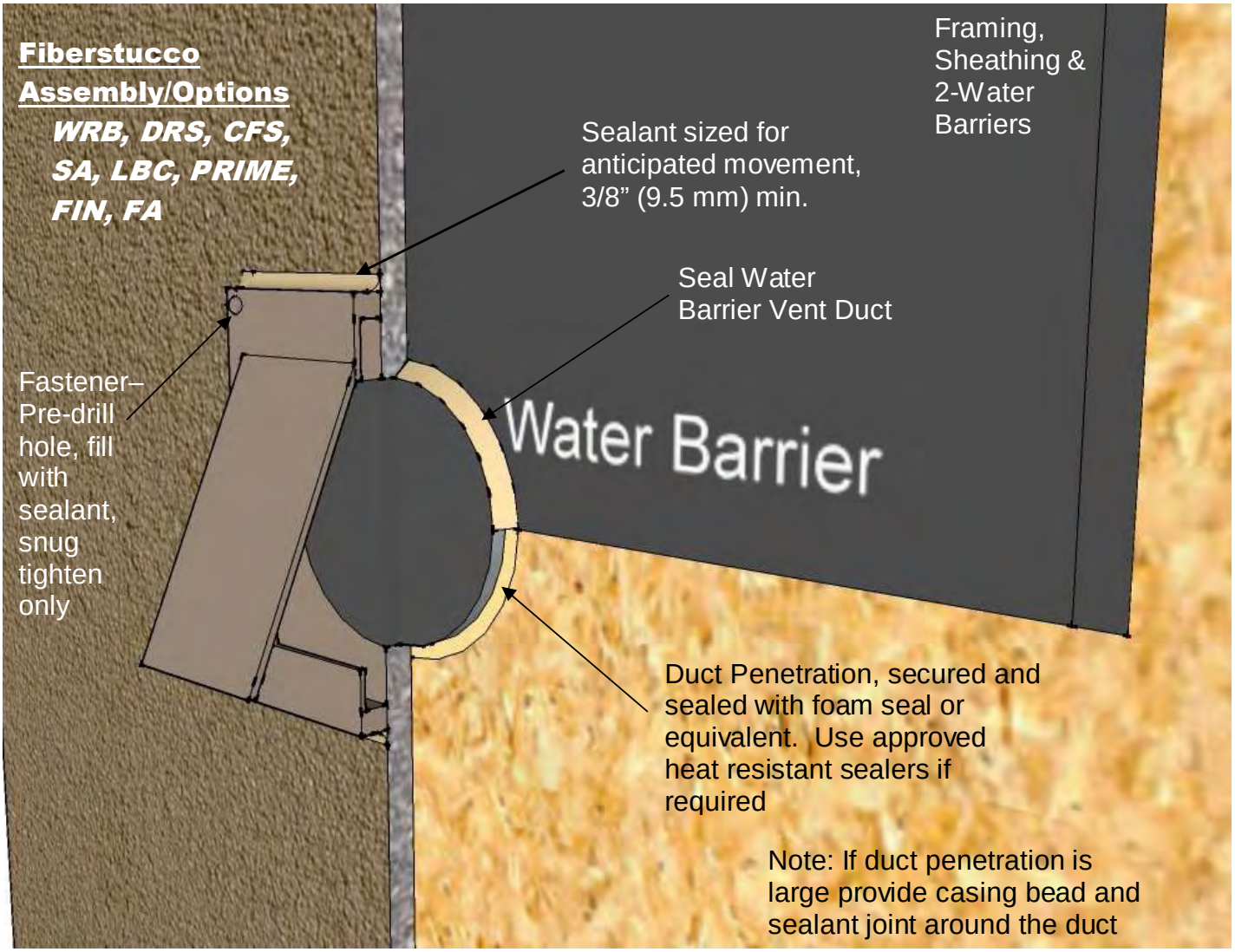
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CFD-36

Vent Detail

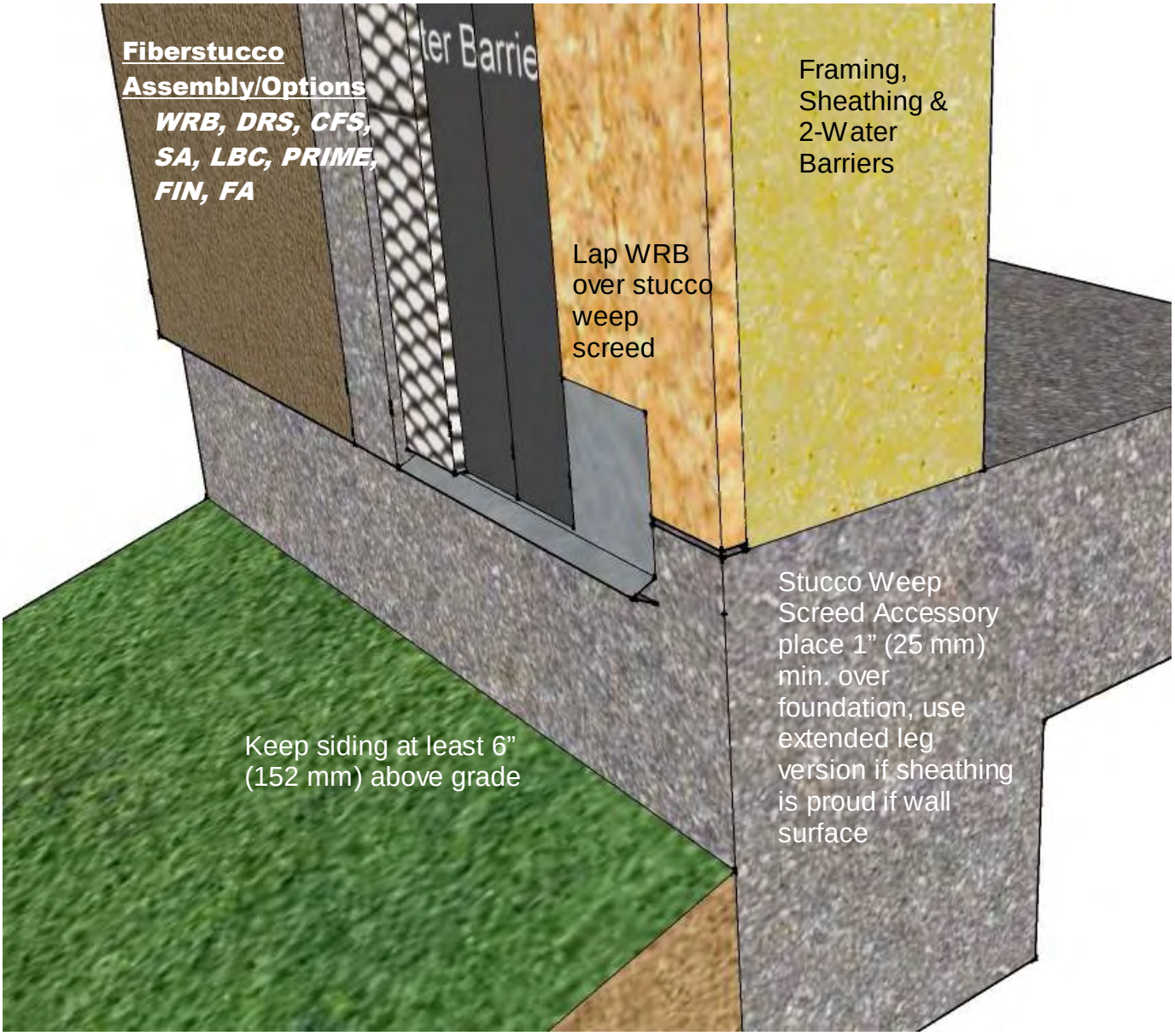
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CFD-37

Detail at Grade

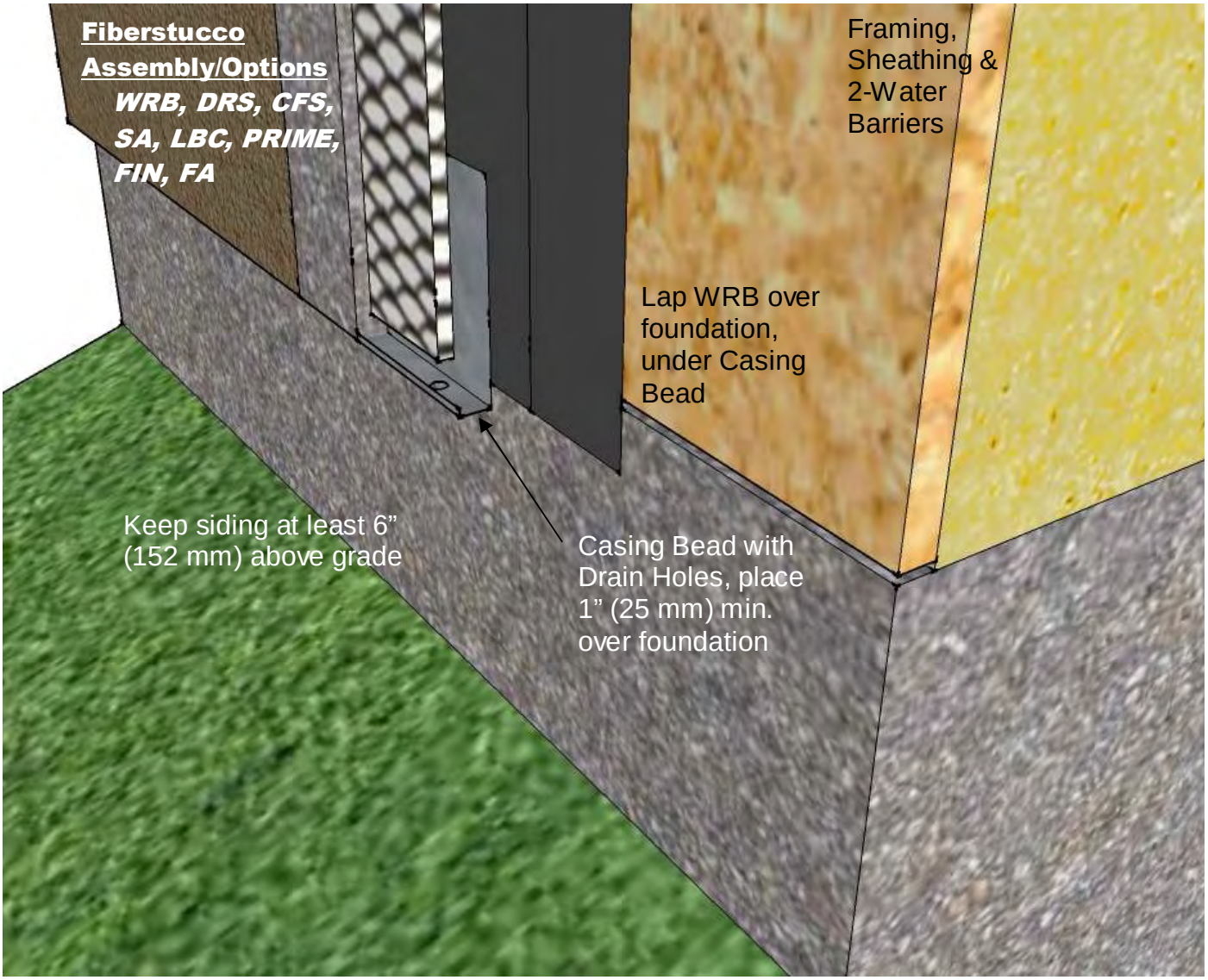
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CFD-38

Detail at Grade

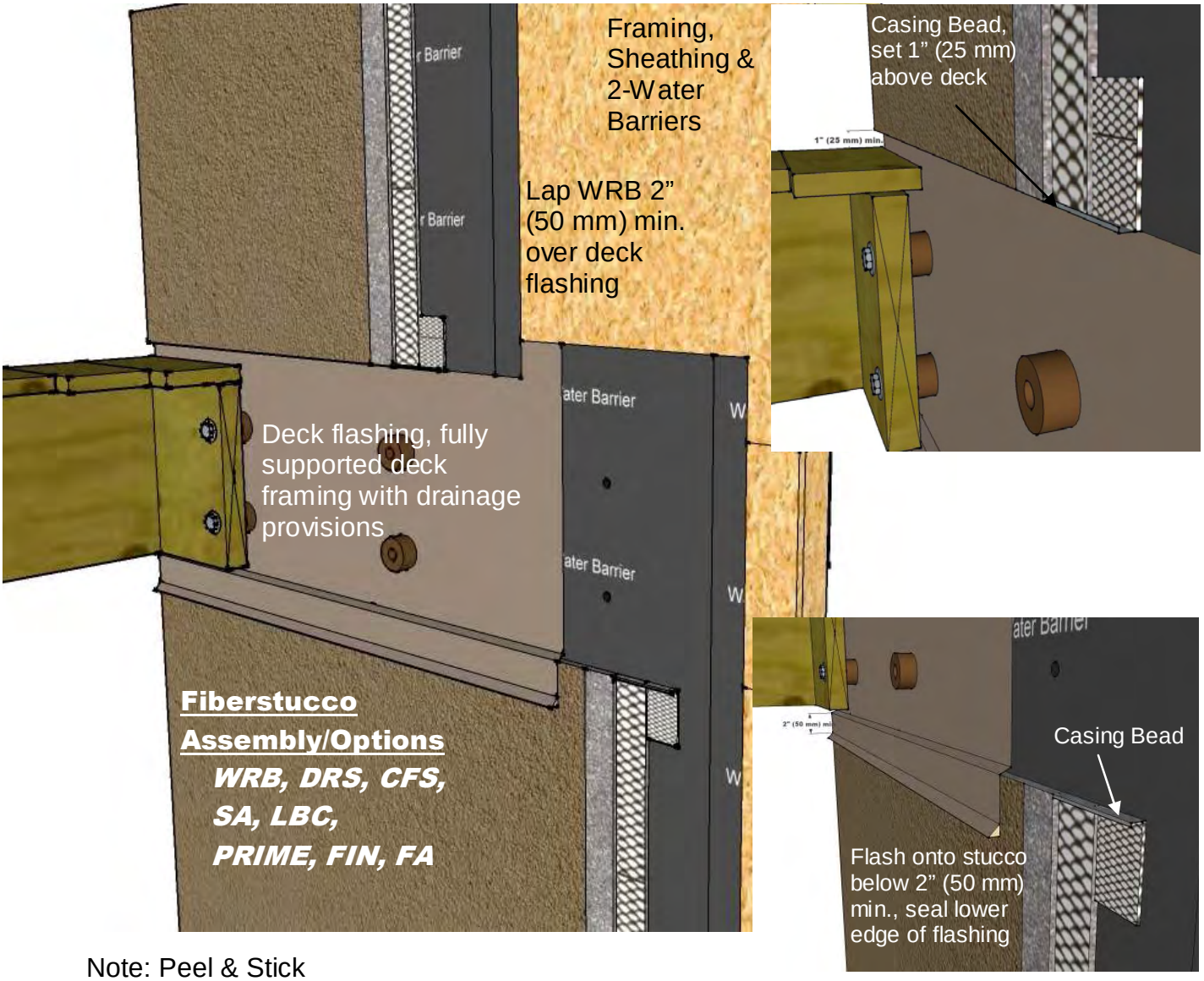
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Note: Peel & Stick tapes could be used behind flashing for additional protection

CFD-39

Detail at Deck

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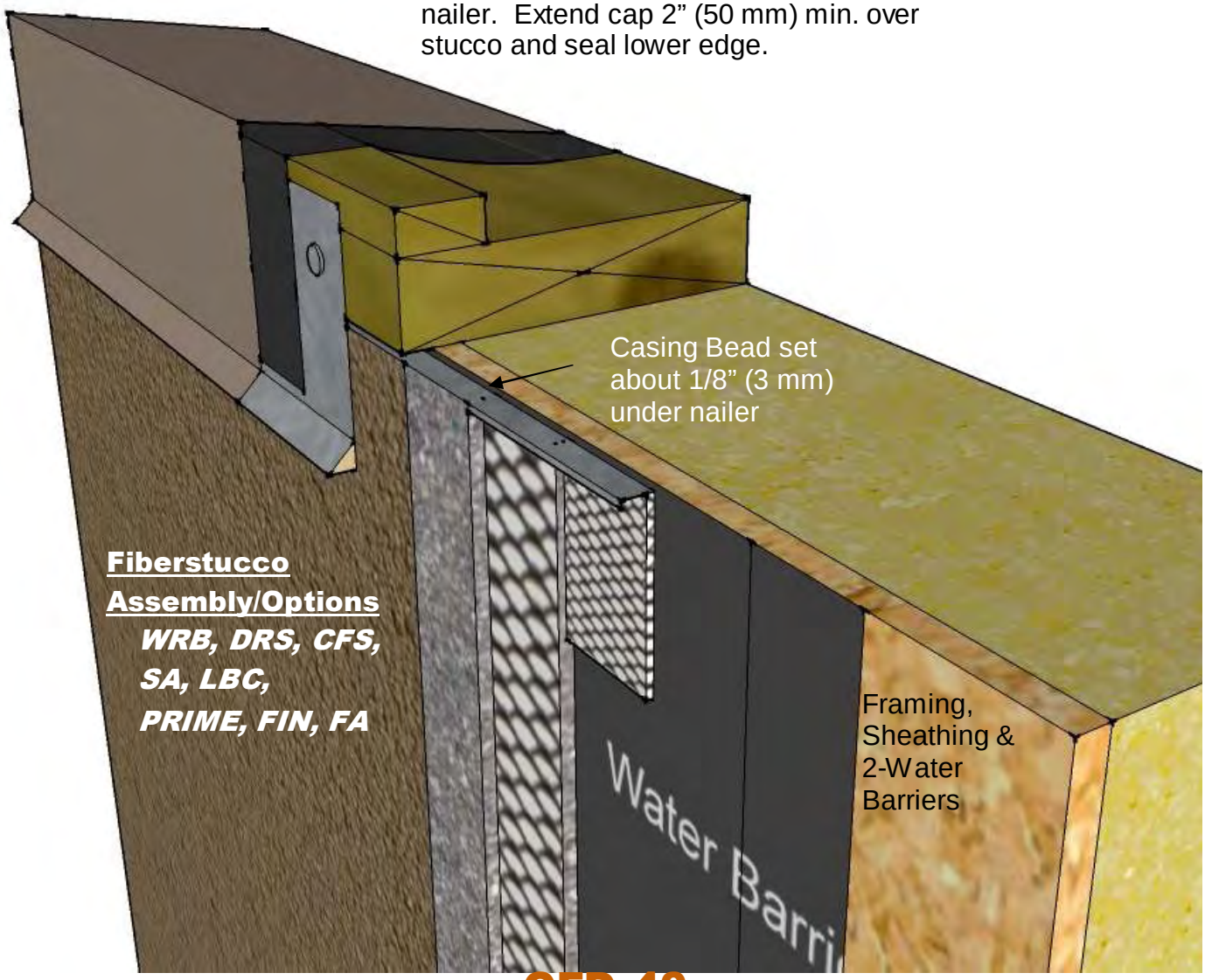
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Roof Coping Cap with secondary weather protection and continuous cleat over treated nailer. Extend cap 2" (50 mm) min. over stucco and seal lower edge.



CFD-40

Detail at Roof Cap

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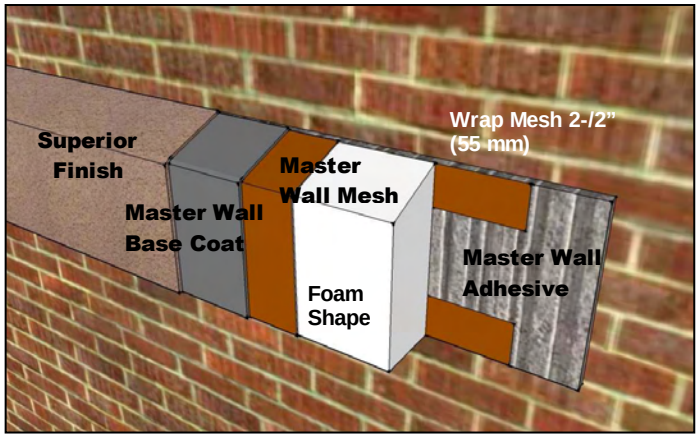
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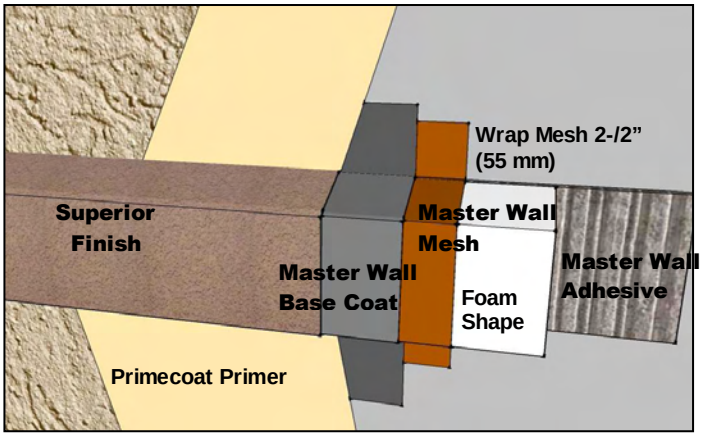
See Foam Shape Data Sheet for Specifics

Backwrap Method



The foam shape is adhered to the wall surface using either a full layer of Master Wall adhesive (preferred) or notched trowel adhesive. Shape is backwrapped or pre-wrapped with mesh embedded in Master Wall base coat. Once cured, a Superior Finish is applied to the shape.

Mesh Transition Method



The foam shape is adhered to the wall surface using either a full layer of Master Wall adhesive (preferred) or notched trowel adhesive. Mesh is embedded in Master Wall base coat and run onto the wall surface. Once cured, Superior Finish is applied to the shape. Prime the stucco wall with Primecoat Primer before finishing with Superior Finishes to minimize finish absorption variations.

CFD-41

Foam Shape Detail

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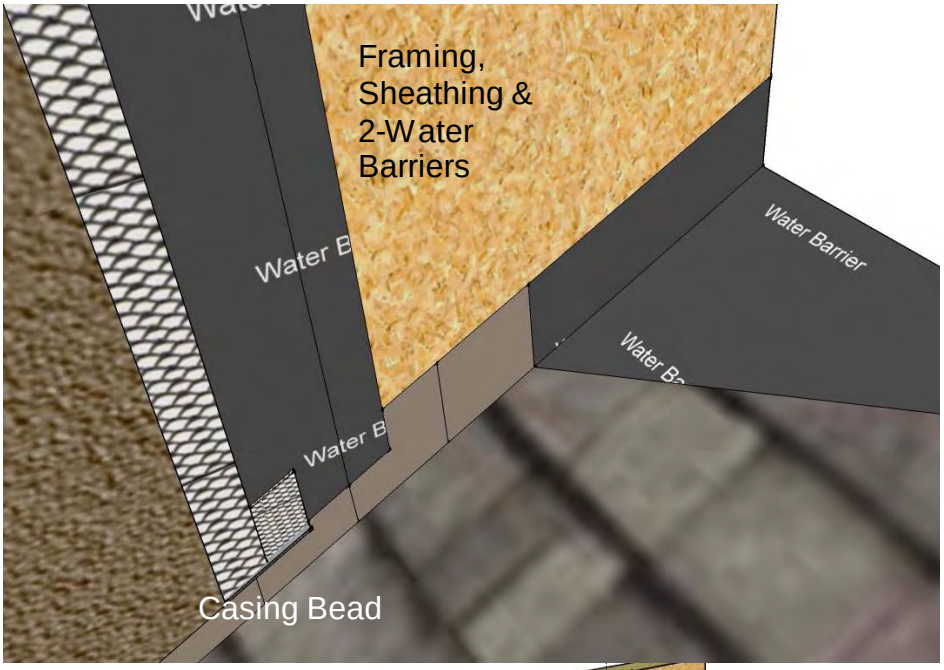
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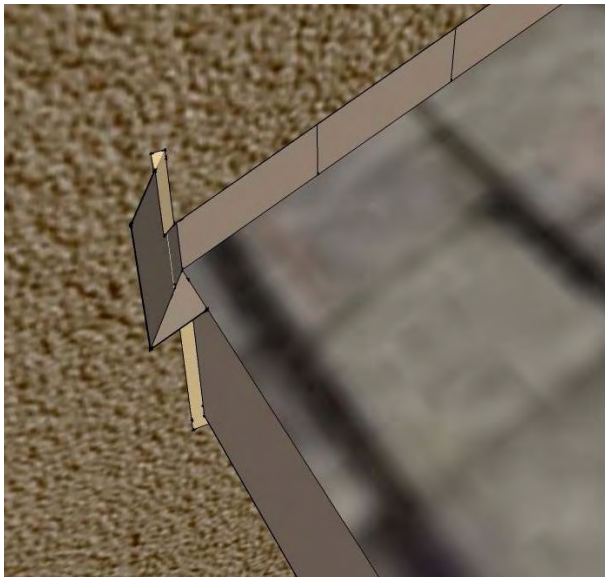
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Install roofing felt 4” (10 cm) up roof, set roof step flashing and roofing.

Set casing bead or weep screed 1-2” (25-50 cm) above roof line.

Set Kick Out flashing before roofing and set in sealant. Seal where stucco meets flashing.







CFD-42

Roof Flashing Detail

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