Sentry Stucco Wall System
Cement Plaster Stucco

1. Typical Sentry Stucco Wall System with Steel Framing
2. Typical Sentry Stucco Wall System with Wood Framing
3. Typical Sentry Stucco Wall System with CMU
4. Typical Sentry Stucco Wall System with CMU and Plaster Base
5. Typical Sentry Stucco Wall System with EPS Insulation Board
6. Typical Sentry Stucco Wall System with Channeled EPS Insulation Board
7. Typical Surface Control Joint
8. Typical Expansion Joint
9. Typical Drainage at Floorline
10. Typical Clad Window Jamb
11. Typical Clad Window Head
12. Typical Clad Window Sill
13. Typical Primed Window Head
14. Typical Primed Window Jamb
15. Typical Primed Window Sill
16. Typical EPS Shape Application
17. Typical Termination at Soffit/Gable End
18. Typical Termination at Foundation
19. Typical Kick-out Flashing
20. Typical Termination at Deck
21. Typical Coping
22. Typical Corner Bead
23. Typical Downspout Application
24. Typical Pipe Penetration
25. Typical Light Fixture
26. Typical Dryer Vent
Notes:
• Verify all materials are installed in accordance with installation instructions and applicable code.
• Basic requirements for water-resistive barrier:
  - One layer minimum No.15 felt on non-wood based sheathing.
  - Two layers minimum Grade D on wood based sheathing.
  - Senershield-R with one layer minimum Grade D as slip sheet on wood and non-wood based sheathing.
  - The use of PermaLath requires the use of a polymeric water-resistive barrier.
  - Comply with applicable local building code.
• Basic requirements for Plaster Base:
  - StuccoBase 3/8” to 1/2” thickness: PermaLath, or min. 1” 20 ga. wire, min. 2.5 lb/sq.yd. metal lath or acceptable alternative.
  - StuccoBase min. 1/2” to nominal 7/8” thickness: PermaLath 1000 or min. 1 1/2” 17 ga. wire, min. 2.5 lb/sq.yd. metal lath or acceptable alternative.
Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Stucco Base min. 3/8” thickness to max. 5/8” thickness. Thicknesses greater than 5/8” require the use of PermaLath 1000 or acceptable metal plaster base.

Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Basic requirements for Plaster Base:
  - Stucco Base 3/8” to 1/2” thickness:
    PermaLath, or min. 1” 20 ga. wire, min. 2.5 lb/sq.yd. metal lath or acceptable alternative.
  - Stucco Base min. 1/2” to nominal 7/8” thickness: PermaLath 1000 or min. 1 1/2” 17 ga. wire, min. 2.5 lb/sq.yd. metal lath or acceptable alternative.
Notes:
• Verify all materials are installed in accordance with installation instructions and applicable code.
• Basic requirements for water-resistive barrier:
  - One layer Tyvek StuccoWrap or DrainWrap.
  - Senershield-R and grooved EPS insulation board.
  - The use of PermaLath requires the use of a polymeric water-resistive barrier.
  - Comply with applicable local building code.
• Basic requirements for Plaster Base:
  - StuccoBase 3/8” to 1/2” thickness: PermaLath, or min. 1” 20 ga. wire, min. 2.5 lb/sq.yd. metal lath or acceptable alternative.
  - StuccoBase min. 1/2” to nominal 7/8” thickness: PermaLath 1000 or min. 1 1/2” 17 ga. wire, min. 2.5 lb/sq.yd. metal lath or acceptable alternative.

• EPS channels on insulation board are a minimum 1/4” wide x 1/8” deep x 12” o.c.
Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Provide control joints at a maximum 144 sq.ft. and placement as determined by the design professional.
- Install per requirements of ASTM C1063.
- Lath must be broken at the joint accessory.

TYPICAL SURFACE CONTROL JOINT

TYPICAL EXPANSION JOINT

Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Install expansion joints in the system at all changes in substrate, through existing expansion joints, and where movement is anticipated. It is the sole responsibility of the design professional to determine specific expansion joint location, placement and design.
- Install per requirements of ASTM C1063.
- Lath must be broken at the joint accessory.
- If using Senershield-R, replace Senerswrap with Seneflash.
**TYPICAL DRAINAGE AT FLOORLINE**

- Verify all materials are installed in accordance with installation instructions and applicable code.
- Water-resistant barrier shall be installed over flashing.
- Water-resistant barrier shall be installed up and behind flashing before terminating.
- Install per requirements of ASTM C1063.
- Lath must be broken at the joint accessory.
- It is recommended that a means for drainage is provided at every floor.

**TYPICAL CLAD WINDOW - JAMB**

- Verify all materials are installed in accordance with installation instructions and applicable code.
- Ensure water-resistant barrier is properly applied into the rough openings in accordance with application guidelines. See Secondary Moisture Protection Barrier Guidelines for Senergy Stucco Wall System technical bulletin.
Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Ensure water-resistant barrier is properly applied over the head flashing. See *Secondary Moisture Protection Barrier Guidelines for Senergy Stucco Wall System* technical bulletin.
- Provide end-dams at flashing terminations.
- If using Senershield-R, replace Senerwrap with Senerflash.

TYPICAL CLAD WINDOW - HEAD

- Framing *
- Acceptable sheathing *
- Senergy stuccobase
- Plaster base
- Permalath
- Permalath 1000
- Metal plaster base *
- Senergy stuccoprime (optional)
- Senergy finish coat
- Water-resistant barrier lapped over flashing
- Senerwrap lapped over window flange
- Casing/stop bead *
- Flashing *
- Bond breaker or backer rod and sealant *
- Window flange *
- Window *

Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Ensure water-resistant barrier is properly applied into the rough openings in accordance with application guidelines. See *Secondary Moisture Protection Barrier Guidelines for Senergy Stucco Wall System* technical bulletin.
- If using Senershield-R, replace Senerwrap with Senerflash.

TYPICAL CLAD WINDOW - SILL

- Window *
- Window flange lapped over water-resistant barrier
- Bond breaker or backer rod and sealant *
- Casing/stop bead *
- Senerwrap
- Water-resistant barrier
- Senergy stuccoprime (optional)
- Senergy finish coat
- Senergy stuccobase
- Plaster base
- Permalath
- Permalath 1000
- Metal plaster base *
- Framing *
- Acceptable sheathing *

Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Ensure water-resistant barrier is properly applied over the head flashing. See *Secondary Moisture Protection Barrier Guidelines for Senergy Stucco Wall System* technical bulletin.
- Provide end-dams at flashing terminations.
- If using Senershield-R, replace Senerwrap with Senerflash.
Notes:

• Verify all materials are installed in accordance with installation instructions and applicable code.
• Ensure water-resistive barrier is properly applied over the head flashing.
• Provide end-dams at flashing terminations.

Notes:

• Verify all materials are installed in accordance with installation instructions and applicable code.
• Ensure water-resistive barrier is properly applied into the rough openings.
• If using Senershield-R, replace Senewrap with Senerflash.
Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Ensure water-resistive barrier is properly applied into the rough openings.
- If using Senershield-R, replace Senerwrap with Senerflash.

Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Overlap reinforced base coat onto StuccoBase a minimum of 76 mm (3”).
- On horizontal projections greater than one inch maintain a minimum 6:12 slope.
**Notes:**

- Verify all materials are installed in accordance with installation instructions and applicable code.
- Per ASTM C1063 terminate the stucco wall system a minimum of 102 mm (4") above raw earth and 51 mm (2") above paved surface.
- Water-resistant barrier shall be installed over weep screed flange.
Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Terminate Stucco Wall System a minimum of 50 mm (2") above roof.
- Ensure step flashing is a minimum 50 mm (2") behind Sentry Stucco Wall System.
- Kick-out flashing a minimum 100 mm (4") in height.
- Kick-out flashing shall be angled a minimum 100° with seams sealed or soldered.
- Ensure a means for drainage is provided at system termination at roof.

Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Water-resistive barrier shall be installed over flashing.
- Water-resistive barrier shall be installed up and behind metal flashing before terminating.
TYPICAL COPING

- Verify all materials are installed in accordance with installation instructions and applicable code.
- Extend coping a minimum of 51 mm (2") on to face of Sentry Stucco Wall System and seal drip edge.
- Water-resistant barrier shall be installed up and over the top and extended down the other side.

Notes:

TYPICAL CORNER BEAD

- Verify all materials are installed in accordance with installation instructions and applicable code.
- Attach corner bead over plaster base.
- Water-resistant barrier shall be installed continuous around corner a minimum of 305 mm (12").
- Corner bead shall be filled solid with StuccoBase.
Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Properly seal all penetrations through the stucco wall system.

TYPICAL DOWNSPOUT APPLICATION

Notes:
- Verify all materials are installed in accordance with installation instructions and applicable code.
- Properly seal all penetrations through the stucco wall system.

TYPICAL PIPE PENETRATION
TYPICAL LIGHT FIXTURE

Notes:
• Verify all materials are installed in accordance with installation instructions and applicable code.
• Properly seal all penetrations through the stucco wall system.

TYPICAL DRYER VENT

Notes:
• Verify all materials are installed in accordance with installation instructions and applicable code.
• Properly seal all penetrations through the stucco wall system.
Note
BASF Wall Systems is an operating unit of BASF Construction Chemicals, LLC. (herein
after referred to as “BASF Wall Systems”)

Residential Policy
Apply wall systems in accordance with
local building codes in force at the time
of construction. On one and two-family
residential framed construction, BASF Wall
Systems requires that the wall system
selected be one that includes provisions
for moisture drainage.

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