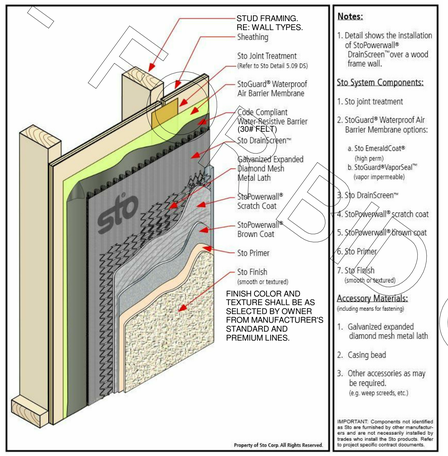


Notes:

1. Detail shows the installation of StoPowerwall® DrainScreen™ over a wood frame wall.

Sto System Components:

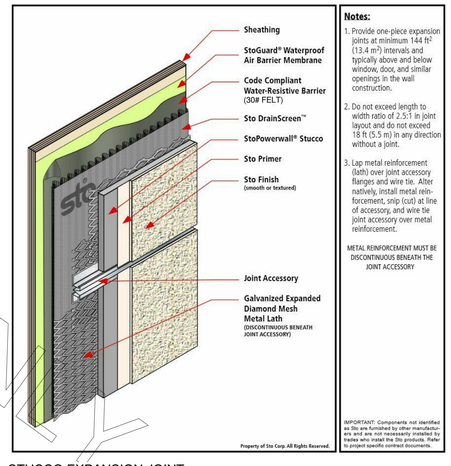
1. Sto joint treatment
2. StoGuard® Waterproof Air Barrier Membrane options:
   a. Sto EmeraldCoat® (high perm)
   b. StoGuard®VaporSeal™ (vapor impermeable)
3. Sto DrainScreen™
4. StoPowerwall® scratch coat
5. StoPowerwall® Crown coat
6. Sto Primer
7. Sto Finish (smooth or textured)

Accessory Materials:
(including means for fastening)

1. Galvanized expanded diamond mesh metal lath
2. Casing bead
3. Other accessories as may be required, (e.g. weep screeds, etc.)

IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

D4 STUCCO SYSTEM COMPONENTS (5.01 DS)
3/4" = 1'-0"



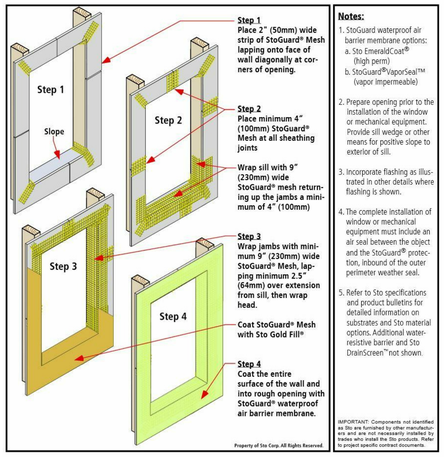
Notes:

1. Provide one-piece expansion joints at minimum 144 ft² (13.4 m²) intervals and typically above and below window, door, and similar openings in the wall construction.
2. Do not exceed length to width ratio of 2.5:1 in joint layout and do not exceed 18 ft (5.5 m) in any direction without a joint.
3. Lap metal reinforcement (lath) over joint accessory flanges and wire tie. Alternatively, install metal reinforcement, snip (cut) at line of accessory, and wire tie joint accessory over metal reinforcement.

METAL REINFORCEMENT MUST BE DISCONTINUOUS BENEATH THE JOINT ACCESSORY

IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

D3 STUCCO EXPANSION JOINT
3/4" = 1'-0"



Notes:

1. StoGuard waterproof air barrier membrane options:
   a. Sto EmeraldCoat® (high perm)
   b. StoGuard®VaporSeal™ (vapor impermeable)
2. Prepare opening prior to the installation of the window or mechanical equipment. Provide sill wedge or other means for positive slope to exterior of sill.
3. Incorporate flashing as illustrated in other details where flashing is shown.
4. The complete installation of window or mechanical equipment must include an air seal between the object and the StoGuard® protection, inbound of the outer perimeter weather seal.
5. Refer to Sto specifications and product bulletins for detailed Information on substrates and Sto material options. Additional water-resistive barrier and Sto DrainScreen™not shown.

Step 1
Place 2" (50mm) wide strip of StoGuard® Mesh lapping onto face of wall diagonally at corners of opening.

Step 2
Place minimum 4" (100mm) StoGuard® Mesh at all sheathing joints

Wrap sill with 9" (230mm) wide StoGuard® mesh returning up the jambs a minimum of 4" (100mm)

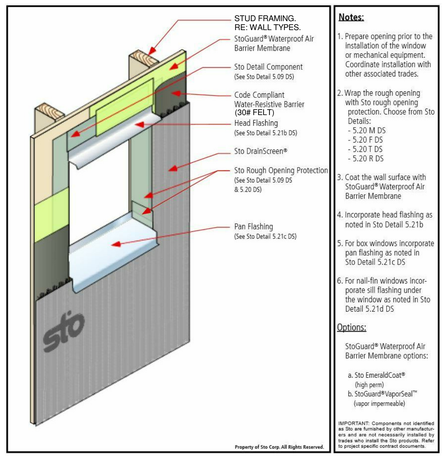
Step 3
Wrap jambs with minimum 9" (230mm) wide StoGuard® Mesh, lapping minimum 2.5" (64mm) over extension from sill, then wrap head.

Coat StoGuard® Mesh with Sto Gold Fill®

Step 4
Coat the entire surface of the wall and into rough opening with StoGuard® waterproof air barrier membrane.

IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

D2 STUCCO ROUGH OPENING PROTECTION (5.20 DS)
3/4" = 1'-0"



Notes:

1. Prepare opening prior to the installation of the window or mechanical equipment. Coordinate installation with other associated trades.
2. Wrap the rough opening with Sto rough opening protection. Choose from Sto Details:
   - 5.20 M DS
   - 5.20 F DS
   - 5.20 T DS
   - 5.20 R DS
3. Coat the wall surface with StoGuard® Waterproof Air Barrier Membrane
4. Incorporate head flashing as noted in Sto Detail 5.21b
5. For box windows incorporate pan flashing as noted in Sto Detail 5.21c DS
6. For nail-fin windows incorporate sill flashing under the window as noted in Sto Detail 5.21d DS

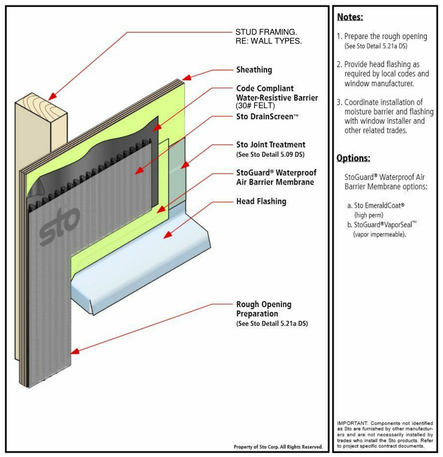
Options:

StoGuard® Waterproof Air Barrier Membrane options:

a. Sto EmeraldCoat® (high perm)
b. StoGuard®VaporSeal™ (vapor impermeable)

IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

D1 STUCCO ROUGH OPENING PREPARATION (5.21a DS)
3/4" = 1'-0"



Notes:

1. Prepare the rough opening (See Sto Detail 5.21a DS)
2. Provide head flashing as required by local codes and window manufacturer.
3. Coordinate installation of moisture barrier and flashing with window installer and other related trades.

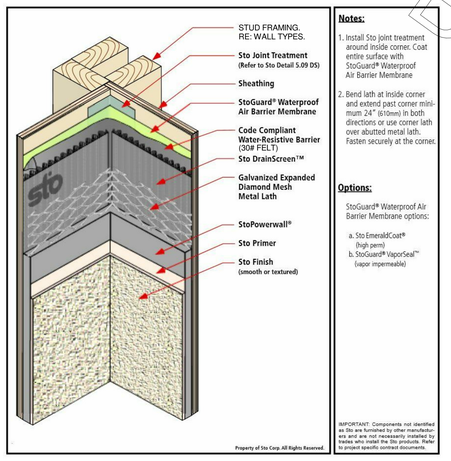
Options:

StoGuard® Waterproof Air Barrier Membrane options:

a. Sto EmeraldCoat® (high perm)
b. StoGuard® VaporSeal™ (vapor impermeable).

IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

B4 STUCCO WINDOW HEAD FLASHING (5.21b DS)
3/4" = 1'-0"



Notes:

1. Install Sto Joint treatment around inside corner. Coat entire surface with StoGuard® Waterproof Air Barrier Membrane
2. Bend lath at inside corner and extend past corner minimum 24" (610mm) in both directions or use corner lath over abutted metal lath. Fasten securely at the corner.

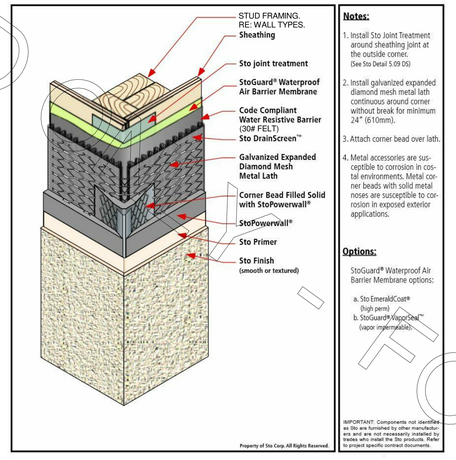
Options:

StoGuard® Waterproof Air Barrier Membrane options:

a. Sto EmeraldCoat® (high perm)
b. StoGuard® VaporSeal™ (vapor impermeable)

IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

B3 STUCCO JOINT AT INSIDE CORNER (5.53b DS)
3/4" = 1'-0"



Notes:

1. Install Sto Joint Treatment around sheathing joint at the outside corner. (See Sto Detail 5.09 DS)
2. Install galvanized expanded diamond mesh metal lath continuous around corner without break for minimum 24" (610mm).
3. Attach corner bead over lath.
4. Metal accessories are susceptible to corrosion in costal environments. Metal corner beads with solid metal noses are susceptible to corrosion in exposed exterior applications.

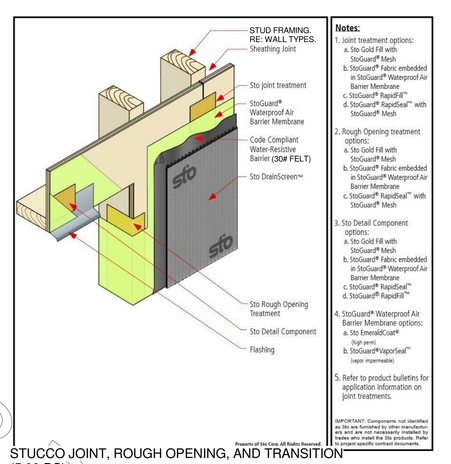
Options:

StoGuard® Waterproof Air Barrier Membrane options:

a. Sto EmeraldCoat® (high perm)
b. StoGuard® VaporSeal™ (vapor impermeable)

IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

B2 STUCCO JOINT AT OUTSIDE CORNER (5.62DS)
3/4" = 1'-0"

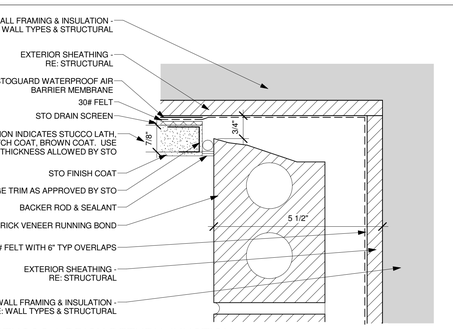


Notes:

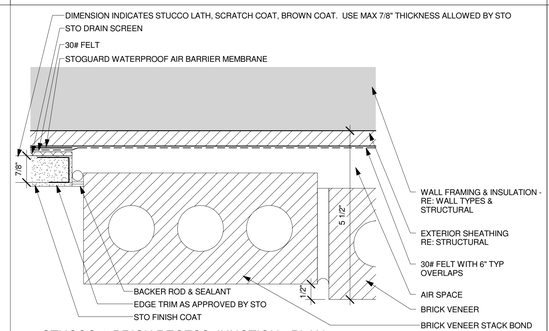
1. Joint treatment options:
   a. Sto Gold Fill with StoGuard® Mesh
   b. StoGuard® Fabric embedded in StoGuard® Waterproof Air Barrier Membrane
   c. StoGuard® RapidFill™
   d. StoGuard® RapidSeal™ with StoGuard® Mesh
2. Rough Opening treatment options:
   a. Sto Gold Fill with StoGuard® Mesh
   b. StoGuard® Fabric embedded in StoGuard® Waterproof Air Barrier Membrane
   c. StoGuard® RapidSeal™ with StoGuard® Mesh
3. Sto Detail Component options:
   a. Sto Gold Fill with StoGuard® Mesh
   b. StoGuard® Fabric embedded in StoGuard® Waterproof Air Barrier Membrane
   c. StoGuard® RapidSeal™
   d. StoGuard® RapidFill™
4. StoGuard® Waterproof Air Barrier Membrane options:
   a. Sto EmeraldCoat® (high perm)
   b. StoGuard®VaporSeal™ (vapor impermeable)
5. Refer to product bulletins for application information on joint treatments.

IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

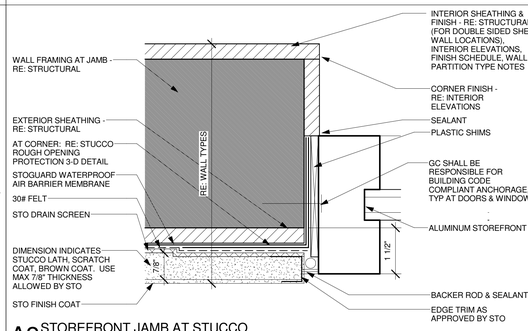
B1 STUCCO JOINT, ROUGH OPENING, AND TRANSITION (5.09 DS)
3/4" = 1'-0"



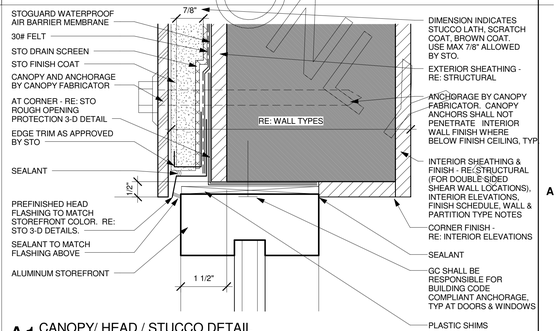
A4 STUCCO & BRICK RETURN JUNCTION
6" = 1'-0"



A3 STUCCO & BRICK RECESS JUNCTION - PLAN
6" = 1'-0"



A2 STOREFRONT JAMB AT STUCCO
6" = 1'-0"



A1 CANOPY/ HEAD / STUCCO DETAIL
6" = 1'-0"

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FSR# 00534

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NO.	DATE	DESCRIPTION

CONSULTANT PROJECT #	2016.0430
PRINTED FOR	Bid
DATE	November 20, 2017
DRAWN BY	Designer

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SHEET NUMBER
A-503

Bid

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