

# StoPowerwall® ci

## Commercial

## Frame Construction

## Series 62s.xx

## January 2015

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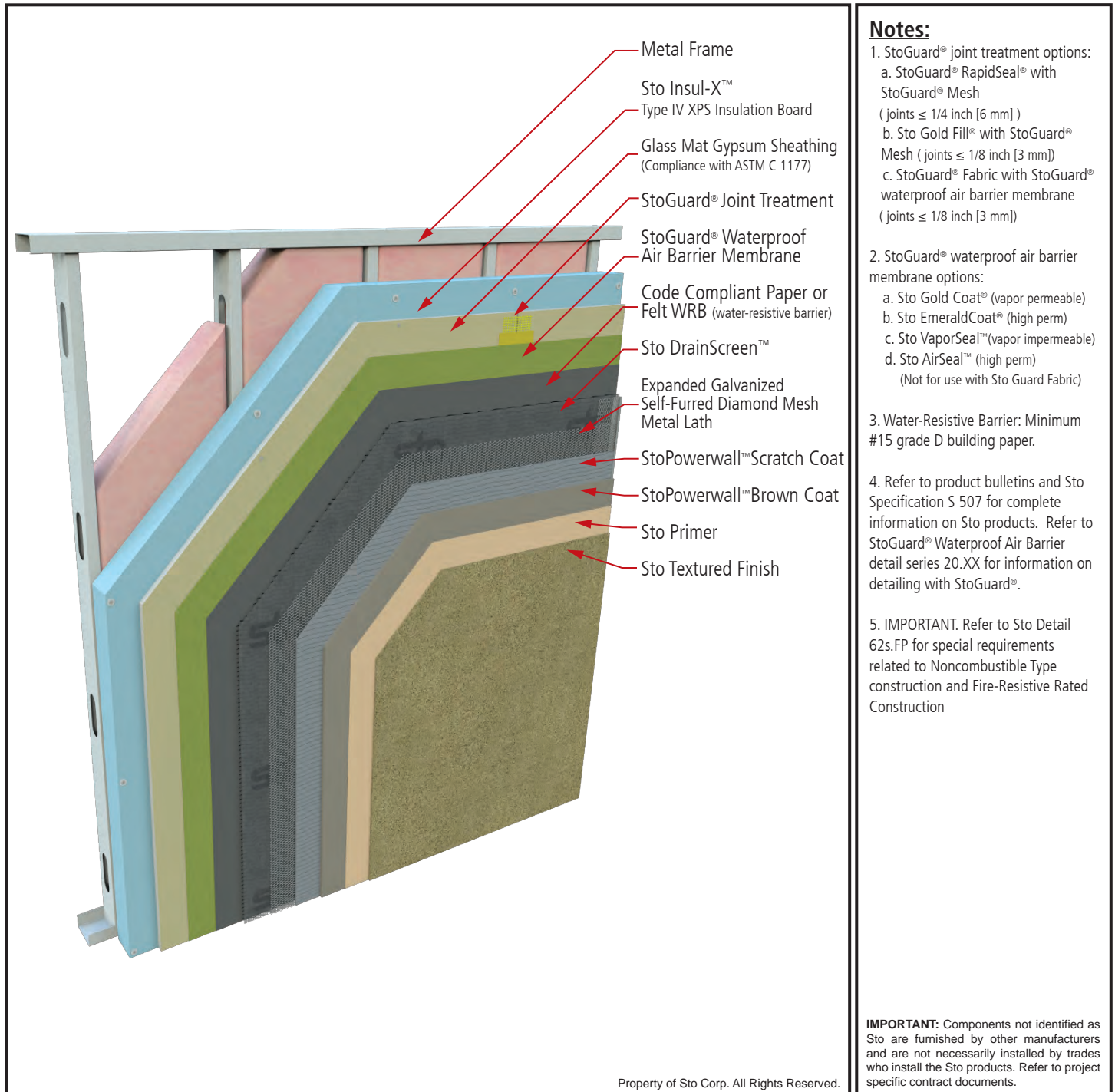
## Sto Detail Records

### 62s.xx Series Sto Powerwall® EnergyGuard™ Stucco over Steel Frame

62s.00	System Components
62s.01	System Components with Extra Crack Resistance
62s.02	Termination at Grade: Sheathing Flush with Foundation
62s.03	Termination at Grade: Sheathing over Foundation
62s.04	Rough Opening Protection
62s.05	Box Window at Sill, Jamb, Head
62s.06	Flanged Window at Sill, Jamb, Head
62s.07	Soffit Return
62s.08	Floor Line
62s.09	Floor Line with Deflection Joint
62s.10	Horizontal Joint at Dissimilar Material
62s.11	Vertical Joint at Dissimilar Material
62s.12	Vertical Joint at Inside Corner: Common Substrate
62s.13	Vertical Joint at Inside Corner: Different Substrate
62s.14	Outside Corner: Common Substrate
62s.15	Termination at Parapet
62s.16	Roof/Wall Abutment
62s.17	Saddle Flashing at Lower to Higher Wall Abutment
62s.18	Penetrations Through Wall (Pipe or Scupper)
62s.19	Attachments (Sign, Dryer Vent, Electrical Box)
62s.20	Foam Buildout
62s.FP	Fire Protection Assembly

# Sto Powerwall® ci System Components

Detail No.: 62s.00  
Date: January 2015



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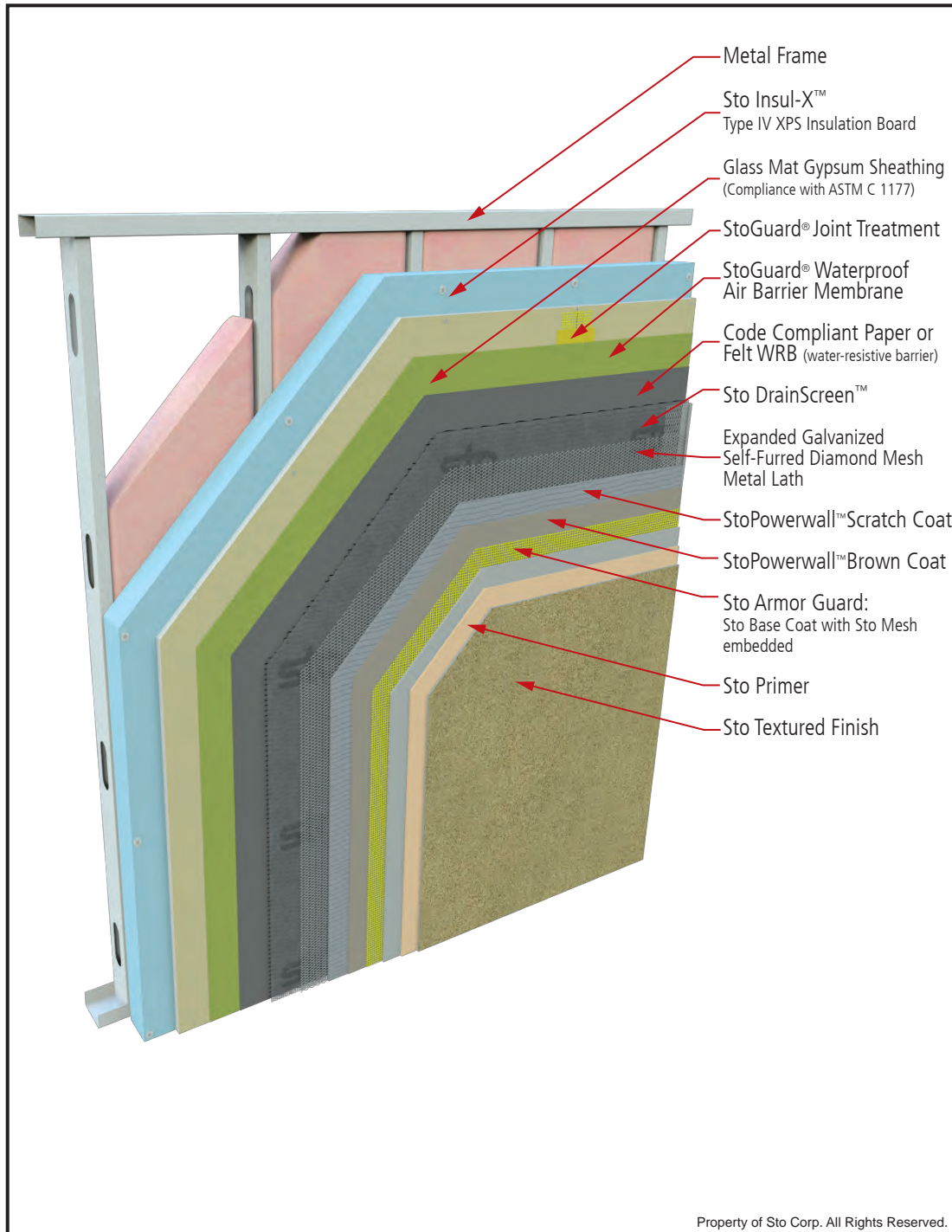
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# Sto Powerwall® ci

## System Components with Sto Armor Guard

Detail No.: 62s.01  
Date: January 2015



### Notes:

- StoGuard® joint treatment options:
  - StoGuard® RapidSeal® with StoGuard® Mesh (joints ≤ 1/4 inch [6 mm])
  - Sto Gold Fill® with StoGuard® Mesh (joints ≤ 1/8 inch [3 mm])
  - StoGuard® Fabric with StoGuard® waterproof air barrier membrane (joints ≤ 1/8 inch [3 mm])
- StoGuard® waterproof air barrier membrane options:
  - Sto Gold Coat® (vapor permeable)
  - Sto EmeraldCoat® (high perm)
  - Sto VaporSeal™ (vapor impermeable)
  - Sto AirSeal™ (high perm) (Not for use with Sto Guard Fabric)
- Water-Resistive Barrier: Minimum #15 grade D building paper.
- Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
- IMPORTANT: Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

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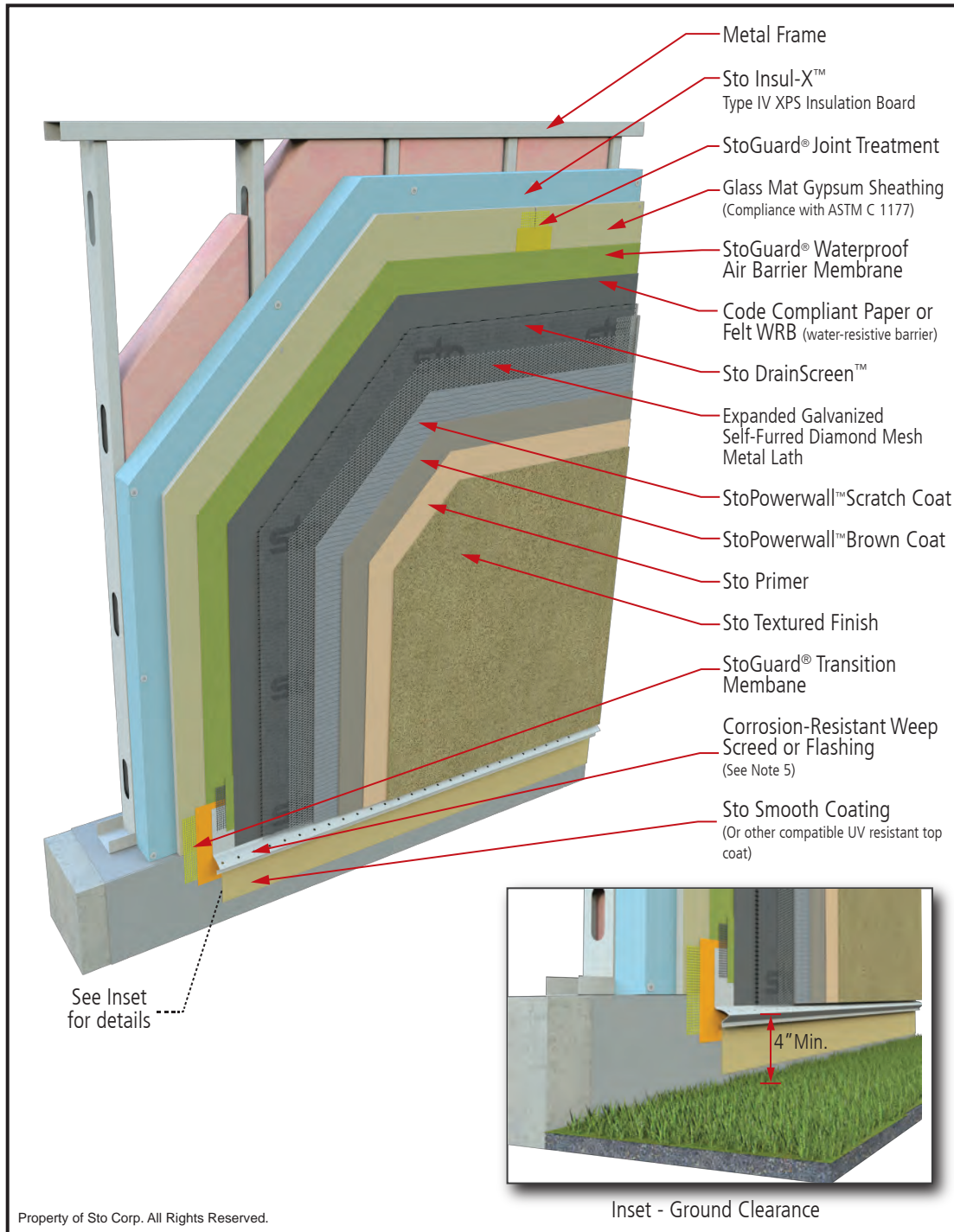


# Sto®Powerwall® ci

## Termination at Grade: Sheathing Flush with Foundation

Detail No.: 62s.02

Date: January 2015



### Notes:

- StoGuard® joint treatment options:
  - StoGuard® RapidSeal® with StoGuard® Mesh (joints ≤ 1/4 inch [6 mm])
  - Sto Gold Fill® with StoGuard® Mesh (joints ≤ 1/8 inch [3 mm])
  - StoGuard® Fabric with StoGuard® waterproof air barrier membrane (joints ≤ 1/8 inch [3 mm])
- StoGuard® Transition Membrane Options:
  - StoGuard® RapidSeal® with StoGuard® Mesh
  - Sto Gold Fill with StoGuard® Mesh
- StoGuard® waterproof air barrier membrane options:
  - Sto Gold Coat® (vapor permeable)
  - Sto EmeraldCoat® (high perm)
  - Sto VaporSeal™ (vapor impermeable)
  - Sto AirSeal™ (high perm) (Not for use with Sto Guard Fabric)
- Water-Resistive Barrier: Minimum #15 grade D building paper.
- Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
- IMPORTANT: Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction
- Cladding termination minimum 4" (101 mm) above finish grade, minimum 2" (51mm) above paved surfaces.

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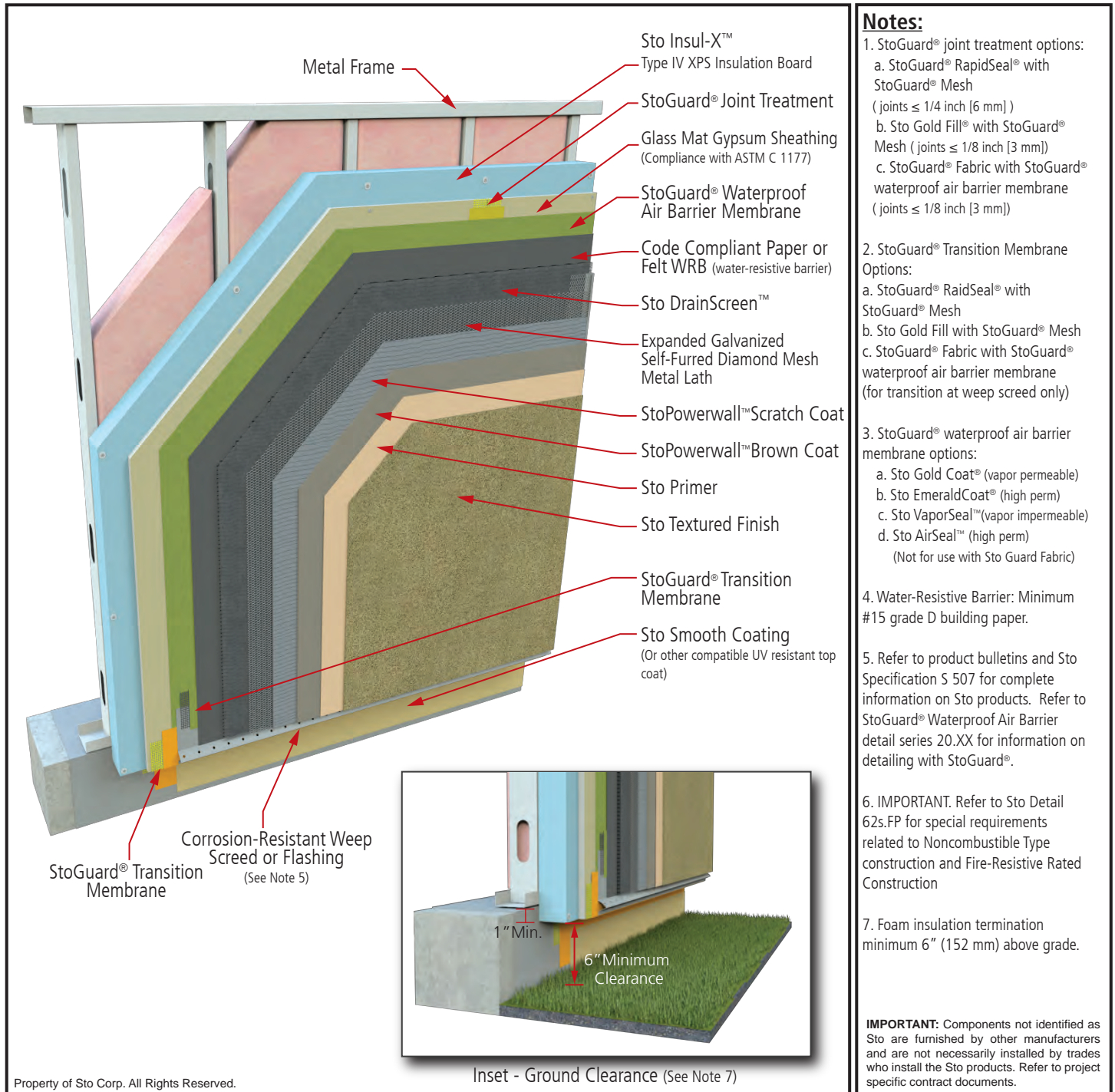
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## Termination at Grade: Sheathing over Foundation

Detail No.: 62s.03  
Date: January 2015



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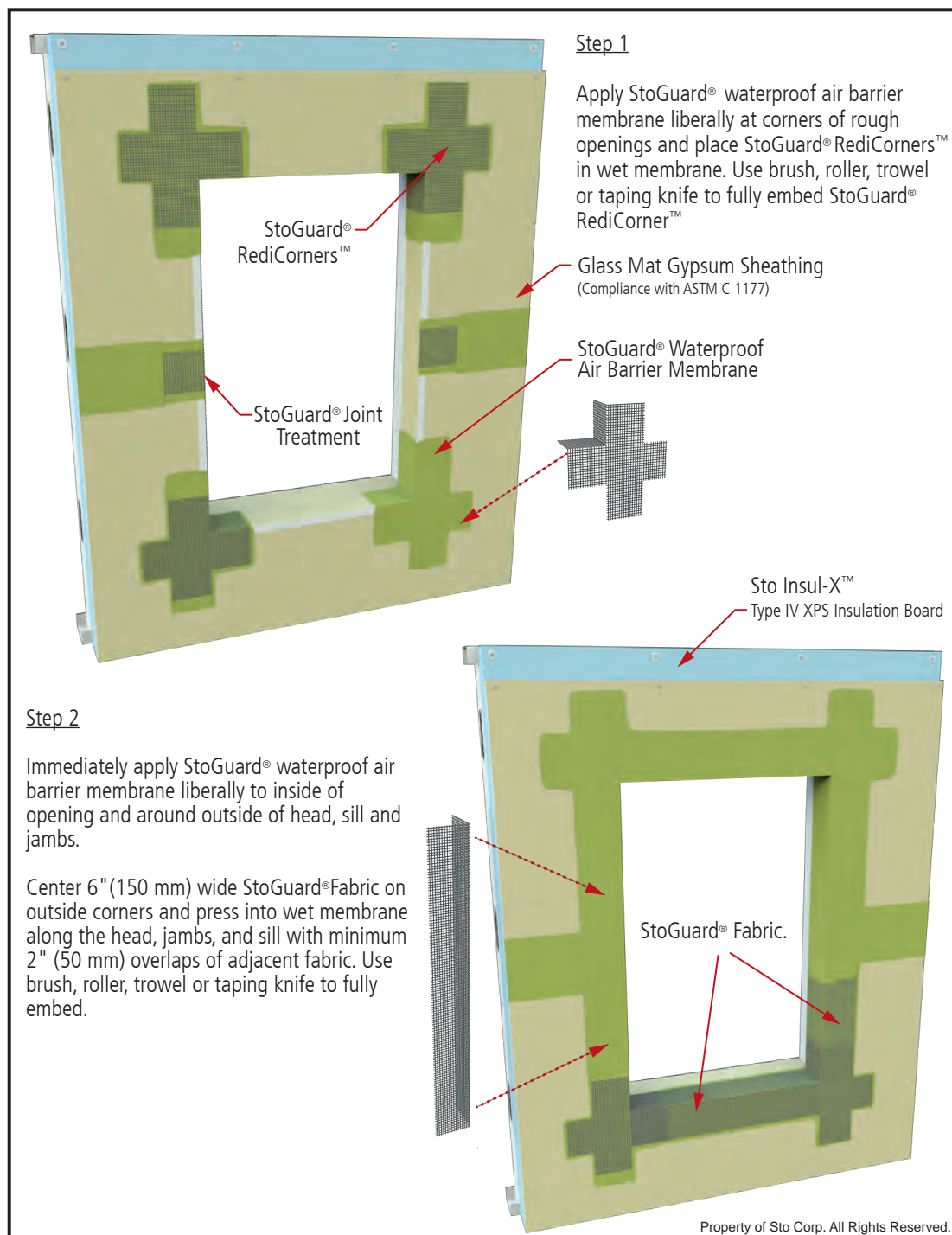
# Sto®Powerwall® ci

## Rough Opening Protection with StoGuard®Fabric

Detail No.: 62s.04F

Date: January 2015

Page 1 of 2



### Notes:

1. StoGuard® joint treatment options:

- StoGuard® RapidSeal® with StoGuard® Mesh (joints ≤ 1/4 inch [6 mm])
- Sto Gold Fill® with StoGuard® Mesh (joints ≤ 1/8 inch [3 mm])
- StoGuard® Fabric with StoGuard® waterproof air barrier membrane (joints ≤ 1/8 inch [3 mm])

2. Rough Opening Protection Options:

- Sto Gold Fill with StoGuard®Mesh (refer to Sto Detail 20.20M)
- Sto Waterproof Air Barrier with StoGuard® Fabric (refer to Sto Detail 20.20F)
- Sto Waterproof Air Barrier with StoGuard® Fabric and StoGuard® Tape (refer to Sto Detail 20.20FT)
- StoGuard® Tape (refer to Sto Detail 20.20T)
- StoGuard® RapidSeal® (refer to Sto Detail 20.20R)

3. StoGuard® waterproof air barrier membrane options:

- Sto Gold Coat® (vapor permeable)
  - Sto EmeraldCoat® (high perm)
  - Sto VaporSeal™ (vapor impermeable)
  - Sto AirSeal™ (high perm)
- (Not for use with Sto Guard Fabric)

4. Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.

5. IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

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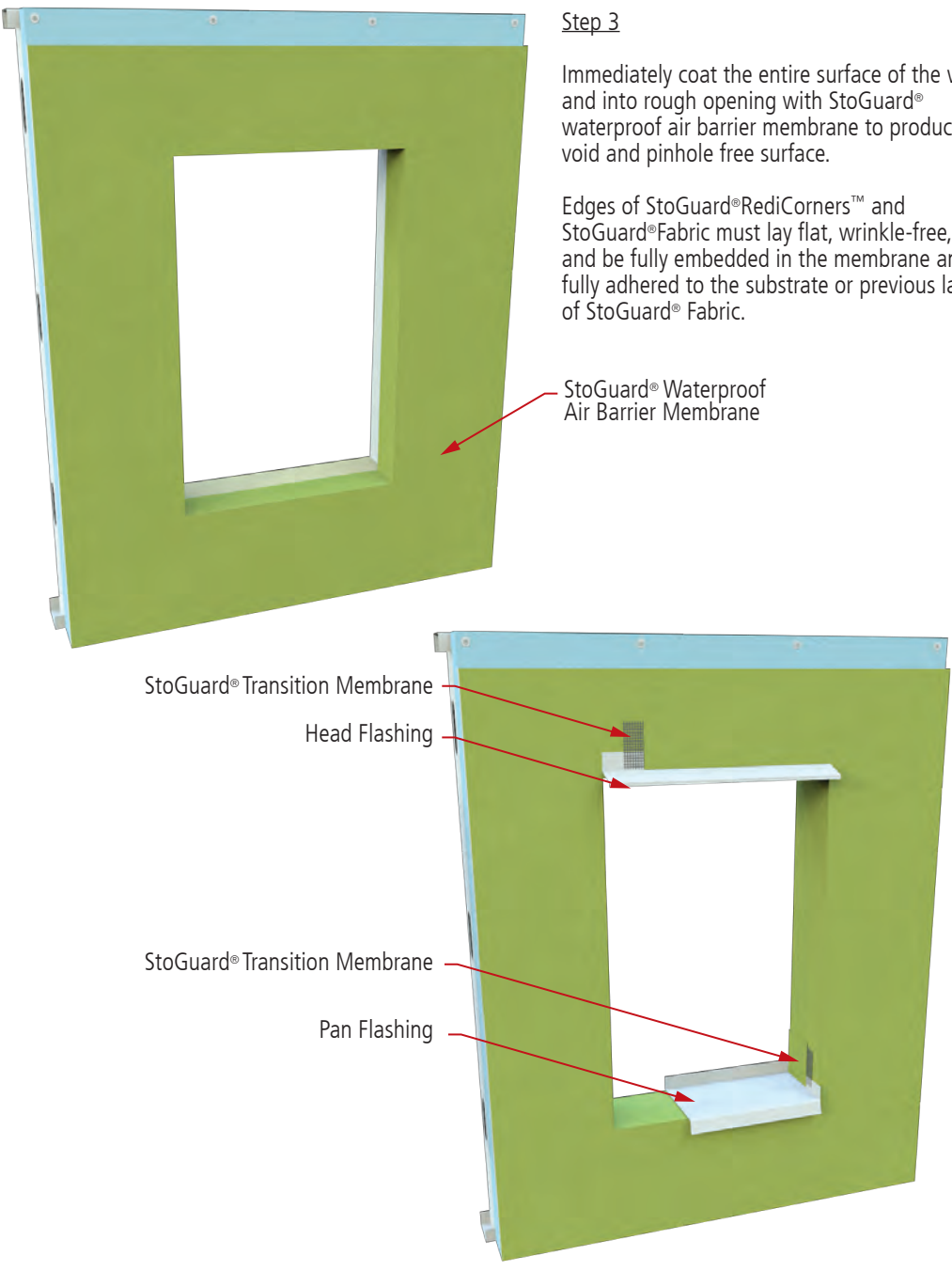
# Sto®Powerwall® ci

## Rough Opening Protection with StoGuard®Fabric

Detail No.: 62s.04F

Date: January 2015

Page 2 of 2



**Step 3**

Immediately coat the entire surface of the wall and into rough opening with StoGuard® waterproof air barrier membrane to produce a void and pinhole free surface.

Edges of StoGuard®RediCorners™ and StoGuard®Fabric must lay flat, wrinkle-free, and be fully embedded in the membrane and fully adhered to the substrate or previous layer of StoGuard® Fabric.

StoGuard® Waterproof Air Barrier Membrane

StoGuard® Transition Membrane

Head Flashing

StoGuard® Transition Membrane

Pan Flashing

**Notes:**

1. StoGuard® waterproof air barrier membrane options:
  - a. Sto Gold Coat® (vapor permeable)
  - b. Sto EmeraldCoat® (high perm)
  - c. Sto VaporSeal™ (vapor impermeable)
  - d. Sto AirSeal™ (high perm)
 (Not for use with Sto Guard Fabric)
2. Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
3. IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

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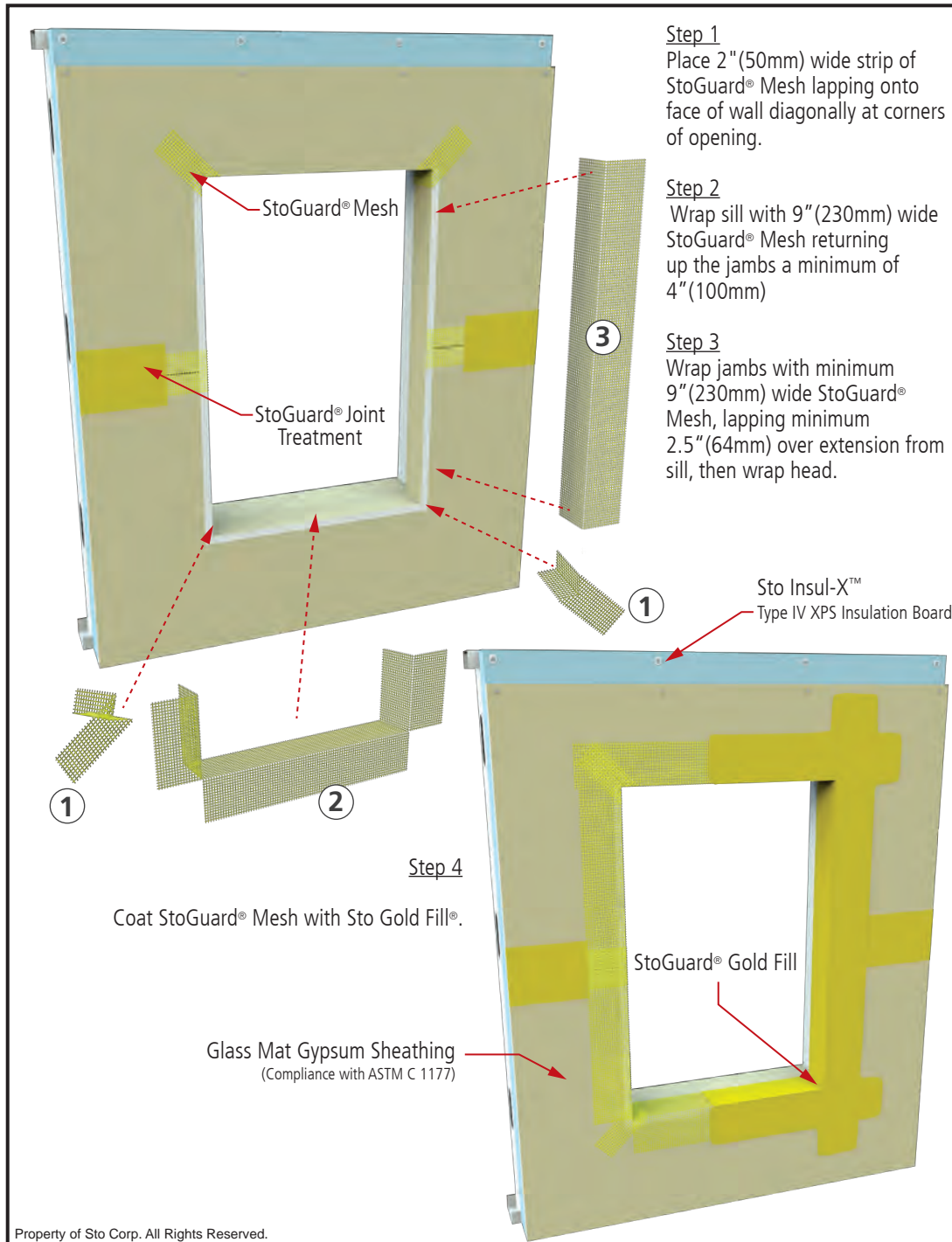
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# Sto®Powerwall® ci

## Rough Opening Protection with StoGuard® Mesh

Detail No.: 62s.04M  
Date: January 2015  
Page 1 of 2



### Notes:

- StoGuard® joint treatment options:
  - StoGuard® RapidSeal® with StoGuard® Mesh (joints ≤ 1/4 inch [6 mm])
  - Sto Gold Fill® with StoGuard® Mesh (joints ≤ 1/8 inch [3 mm])
  - StoGuard® Fabric with StoGuard® waterproof air barrier membrane (joints ≤ 1/8 inch [3 mm])
- Rough Opening Protection Options:
  - Sto Gold Fill with StoGuard® Mesh (refer to Sto Detail 20.20M)
  - Sto Waterproof Air Barrier with StoGuard® Fabric (refer to Sto Detail 20.20F)
  - Sto Waterproof Air Barrier with StoGuard® Fabric and StoGuard® Tape (refer to Sto Detail 20.20FT)
  - StoGuard® Tape (refer to Sto Detail 20.20T)
  - StoGuard® RapidSeal® (refer to Sto Detail 20.20R)
- StoGuard® waterproof air barrier membrane options:
  - Sto Gold Coat® (vapor permeable)
  - Sto EmeraldCoat® (high perm)
  - Sto VaporSeal™ (vapor impermeable)
  - Sto AirSeal™ (high perm)
 (Not for use with Sto Guard Fabric)
- Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
- IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

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# Sto®Powerwall® ci

## Rough Opening Protection with StoGuard® Mesh

Detail No.: 62s.04M

Date: January 2015

Page 2 of 2

### Notes:

1. StoGuard® waterproof air barrier membrane options:

- a. Sto Gold Coat® (vapor permeable)
  - b. Sto EmeraldCoat® (high perm)
  - c. Sto VaporSeal™ (vapor impermeable)
  - d. Sto AirSeal™ (high perm)
- (Not for use with Sto Guard Fabric)

2. Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.

3. Sto Gold Fill® with StoGuard® Mesh top coated with StoGuard® waterproof air barrier membrane.

4. IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

### Step 4

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

StoGuard® Gold Coat

StoGuard® Transition Membrane  
(See note #3)

Head Flashing

StoGuard® Waterproof  
Air Barrier Membrane

StoGuard® Transition Membrane

Pan Flashing

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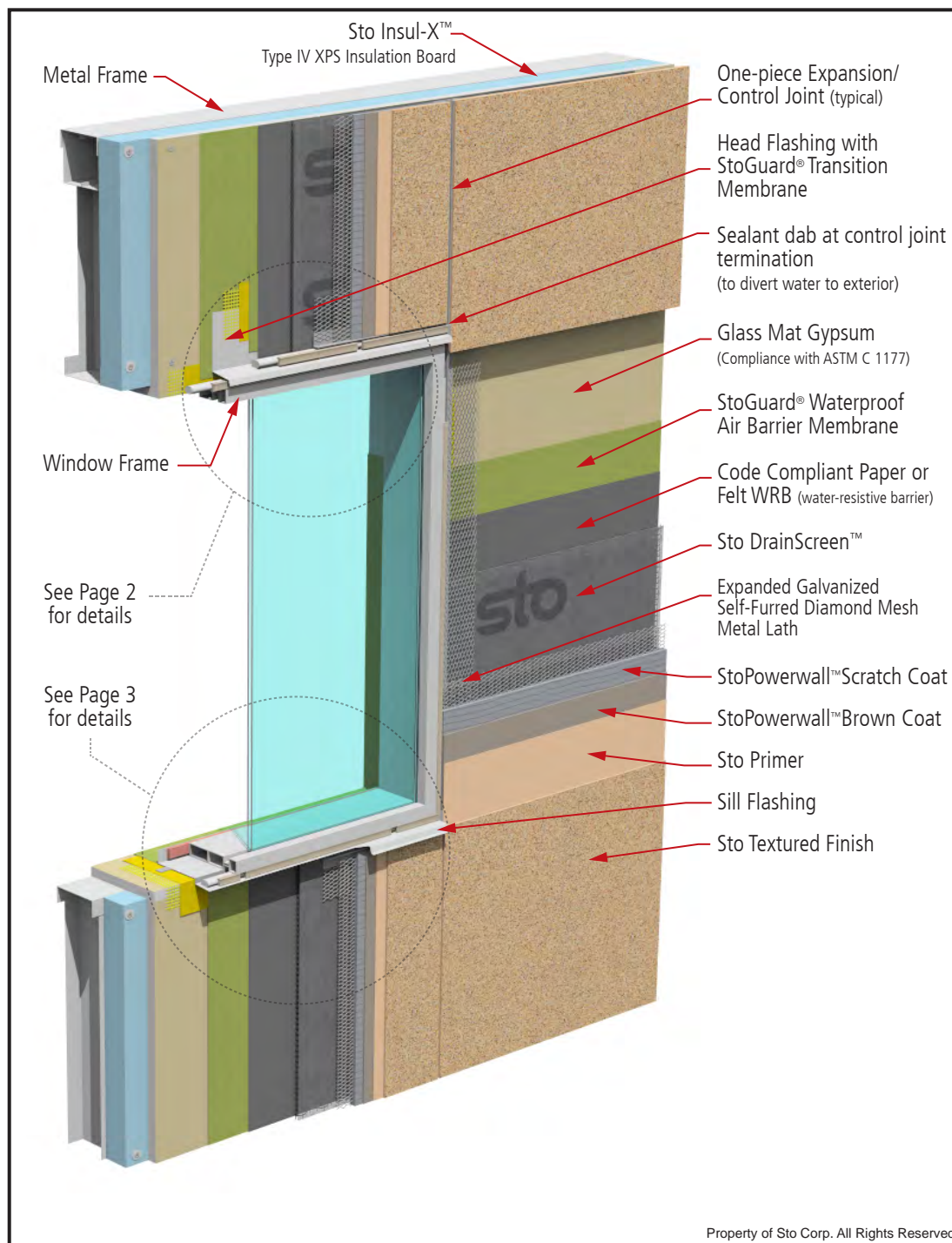
# Sto® Powerwall® ci

## Box Window at Sill, Jamb, and Head

Detail No.: 62s.05

Date: January 2015

Page 1 of 3



### Notes:

- StoGuard® joint treatment options:
  - StoGuard® RapidSeal® with StoGuard® Mesh (joints  $\leq 1/4$  inch [6 mm])
  - Sto Gold Fill® with StoGuard® Mesh (joints  $\leq 1/8$  inch [3 mm])
  - StoGuard® Fabric with StoGuard® waterproof air barrier membrane (joints  $\leq 1/8$  inch [3 mm])
- StoGuard® waterproof air barrier membrane options:
  - Sto Gold Coat® (vapor permeable)
  - Sto EmeraldCoat® (high perm)
  - Sto VaporSeal™ (vapor impermeable)
  - Sto AirSeal™ (high perm) (Not for use with Sto Guard Fabric)
- Water-Resistive Barrier: Minimum #15 grade D building paper.
- Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
- IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction
- Consult with window and sealant manufacturers to verify window installation and detailing to assure no leakage into the wall assembly. Consult with window manufacturer regarding window and flashing assemblies with thermal breaks to avoid condensation. Test the final assembly using materials and sub-trades associated with the project to verify performance.

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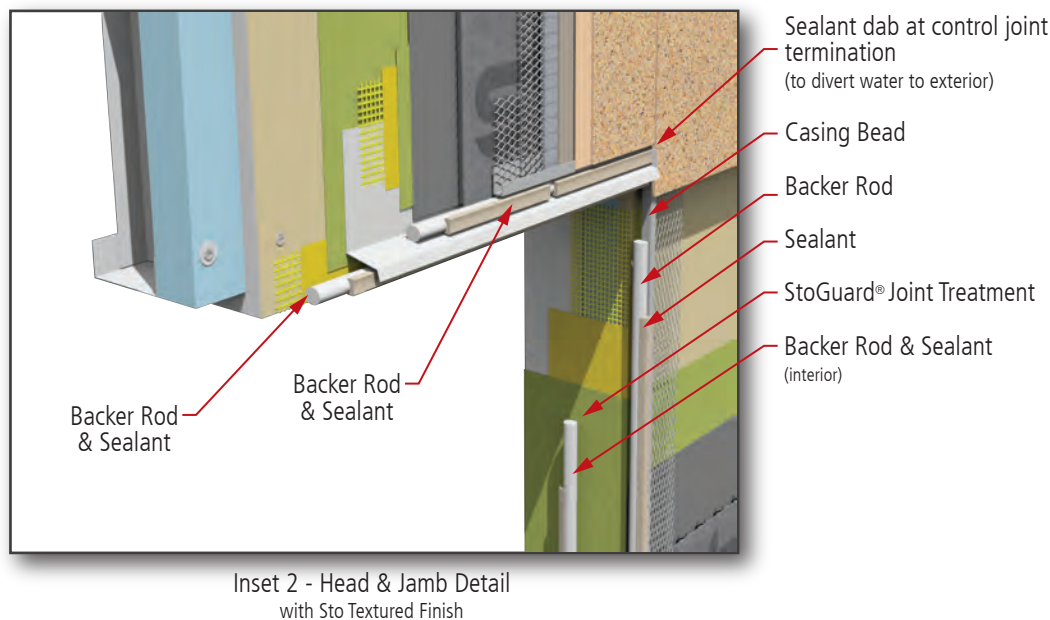
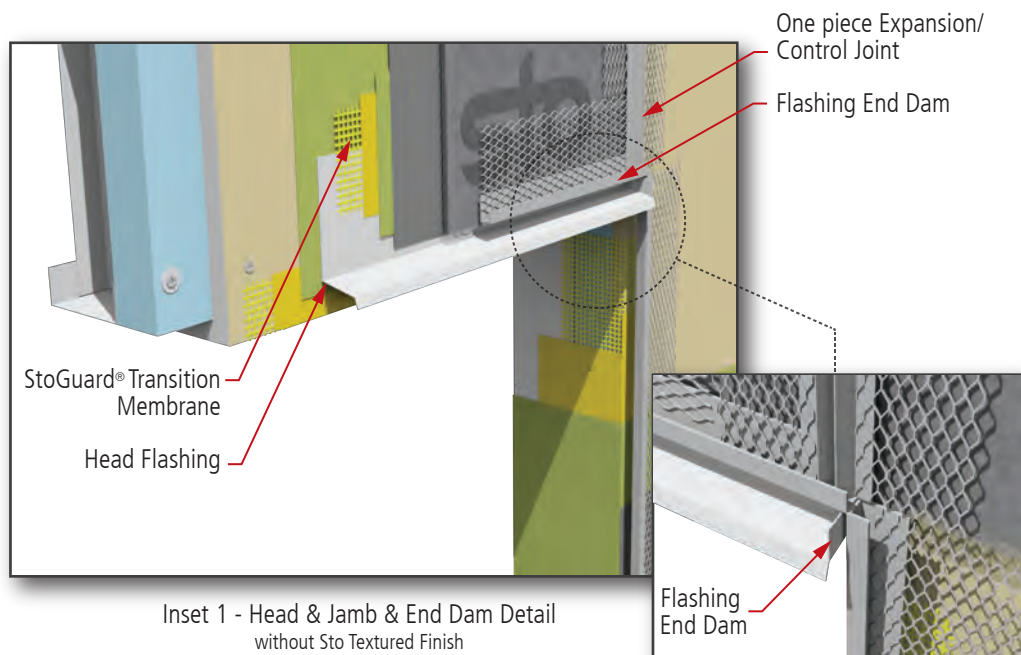
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# Sto®Powerwall® ci Box Window at Head/Jamb

Detail No.: 62s.05

Date: January 2015

Page 2 of 3



## Notes:

- StoGuard® joint treatment options:
  - StoGuard® RapidSeal® with StoGuard® Mesh (joints  $\leq 1/4$  inch [6 mm])
  - Sto Gold Fill® with StoGuard® Mesh (joints  $\leq 1/8$  inch [3 mm])
  - StoGuard® Fabric with StoGuard® waterproof air barrier membrane (joints  $\leq 1/8$  inch [3 mm])
- StoGuard® waterproof air barrier membrane options:
  - Sto Gold Coat® (vapor permeable)
  - Sto EmeraldCoat® (high perm)
  - Sto VaporSeal™ (vapor impermeable)
  - Sto AirSeal™ (high perm)  
(Not for use with Sto Guard Fabric)
- Water-Resistive Barrier: Minimum #15 grade D building paper.
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- IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction
- Consult with window and sealant manufacturers to verify window installation and detailing to assure no leakage into the wall assembly. Consult with window manufacturer regarding window and flashing assemblies with thermal breaks to avoid condensation. Test the final assembly using materials and sub-trades associated with the project to verify performance.

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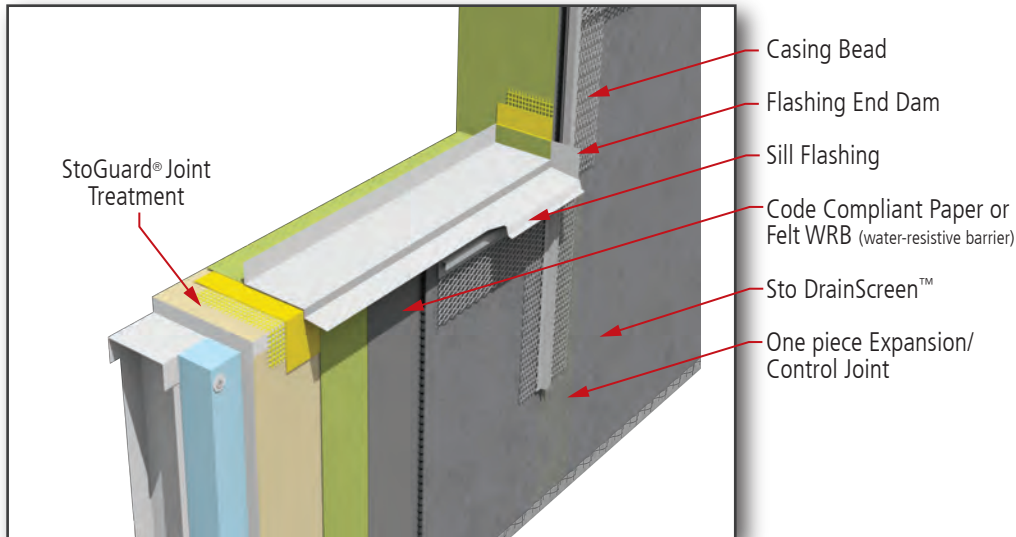
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# Sto®Powerwall® ci Box Window at Sill/Jamb

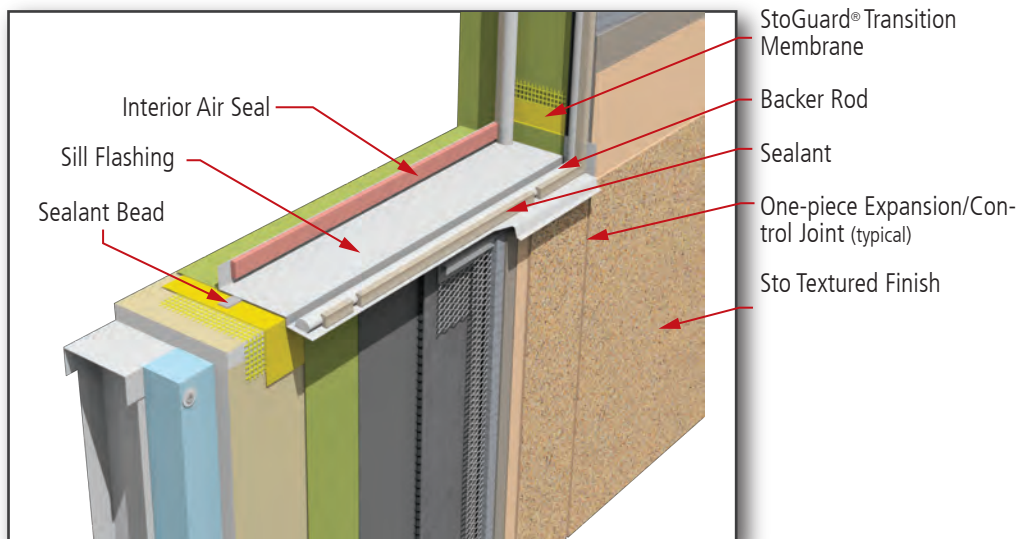
Detail No.: 62s.05

Date: January 2015

Page 3 of 3



Inset 3 - Sill & Jamb Detail  
without Sto Textured Finish



Inset 4 - Sill & Jamb Detail  
with Sto Textured Finish

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## Notes:

- StoGuard® joint treatment options:
  - StoGuard® RapidSeal® with StoGuard® Mesh (joints  $\leq 1/4$  inch [6 mm])
  - Sto Gold Fill® with StoGuard® Mesh (joints  $\leq 1/8$  inch [3 mm])
  - StoGuard® Fabric with StoGuard® waterproof air barrier membrane (joints  $\leq 1/8$  inch [3 mm])
- StoGuard® waterproof air barrier membrane options:
  - Sto Gold Coat® (vapor permeable)
  - Sto EmeraldCoat® (high perm)
  - Sto VaporSeal™ (vapor impermeable)
  - Sto AirSeal™ (high perm)  
(Not for use with Sto Guard Fabric)
- Water-Resistive Barrier: Minimum #15 grade D building paper.
- Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
- IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction
- Consult with window and sealant manufacturers to verify window installation and detailing to assure no leakage into the wall assembly. Consult with window manufacturer regarding window and flashing assemblies with thermal breaks to avoid condensation. Test the final assembly using materials and sub-trades associated with the project to verify performance.

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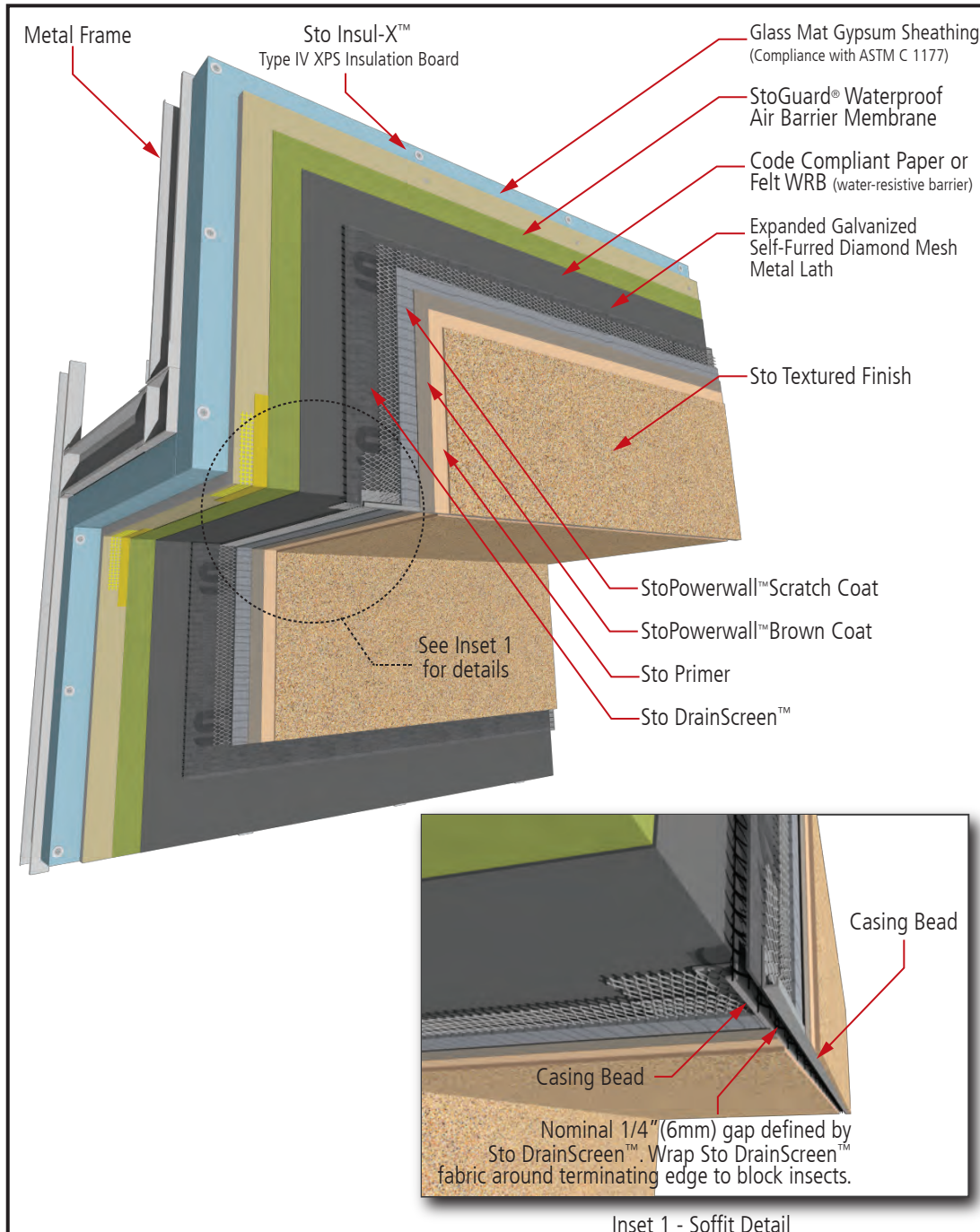
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# Sto®Powerwall® ci Soffit Return

Detail No.: 62s.07  
Date: January 2015



## Notes:

1. StoGuard® joint treatment options:
  - a. StoGuard® RapidSeal® with StoGuard® Mesh (joints  $\leq 1/4$  inch [6 mm])
  - b. Sto Gold Fill® with StoGuard® Mesh (joints  $\leq 1/8$  inch [3 mm])
  - c. StoGuard® Fabric with StoGuard® waterproof air barrier membrane (joints  $\leq 1/8$  inch [3 mm])
2. StoGuard® waterproof air barrier membrane options:
  - a. Sto Gold Coat® (vapor permeable)
  - b. Sto EmeraldCoat® (high perm)
  - c. Sto VaporSeal™ (vapor impermeable)
  - d. Sto AirSeal™ (high perm) (Not for use with Sto Guard Fabric)
3. Water-Resistive Barrier: Minimum #15 grade D building paper.
4. Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
5. IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

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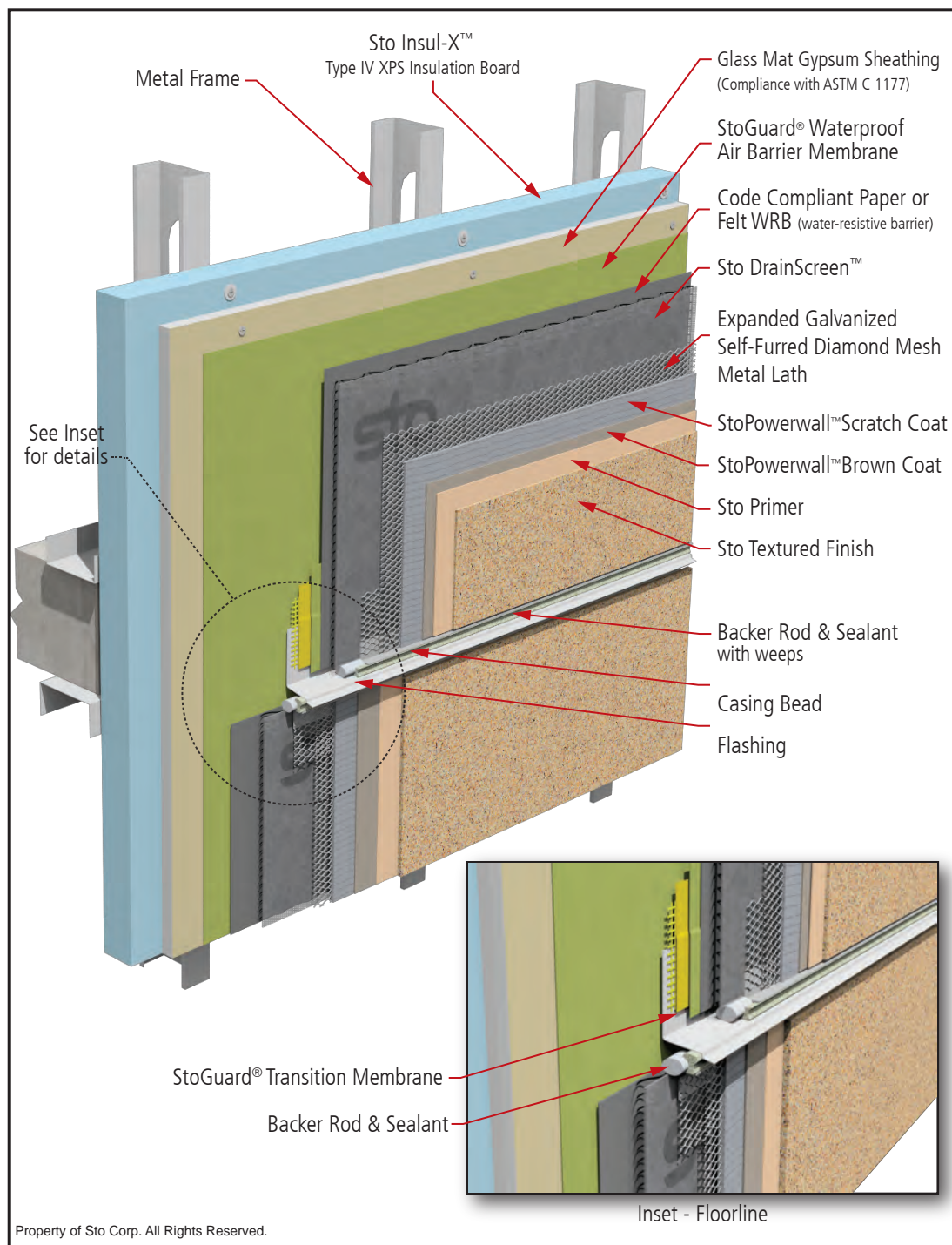
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# StoPowerwall® ci

## Floorline without Deflection Track

Detail No.: 62s.08

Date: January 2015



### Notes:

1. StoGuard® Transition Membrane options:

- StoGuard® RapidSeal® with StoGuard® Mesh (optional)
- Sto Gold Fill® with StoGuard® Mesh
- StoGuard® Fabric with StoGuard® waterproof air barrier membrane

2. StoGuard® waterproof air barrier membrane options:

- Sto Gold Coat® (vapor permeable)
- Sto EmeraldCoat® (high perm)
- Sto VaporSeal™ (vapor impermeable)
- Sto AirSeal™ (high perm) (Not for use with Sto Guard Fabric)

3. Water-Resistive Barrier: Minimum #15 grade D building paper.

4. Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.

5. IMPORTANT: Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction.

6. Design professional to determine need for deflection track. If a deflection track is required, refer to Sto Detail 62s.09 for more information.

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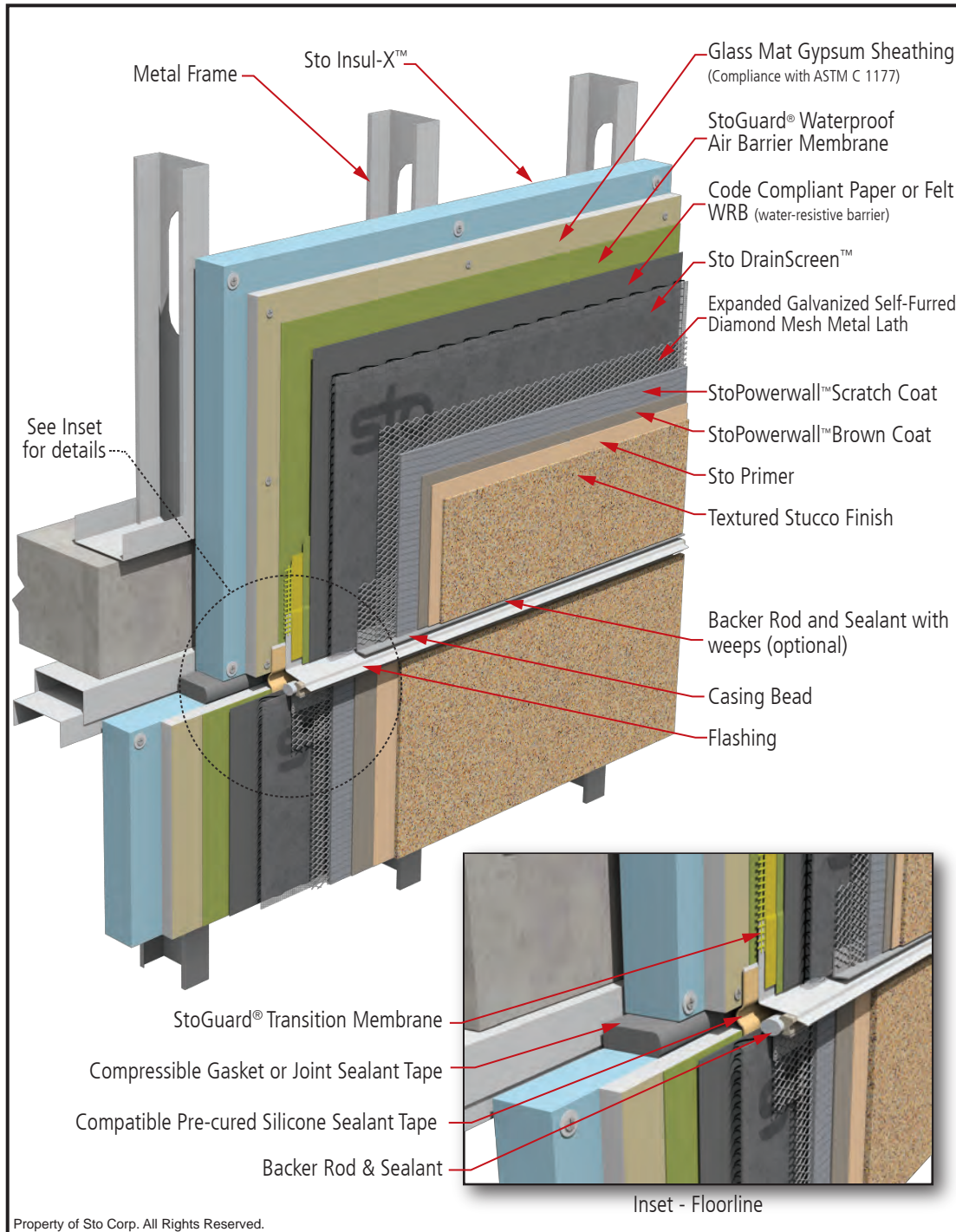
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# Sto® Powerwall® ci Floorline with Deflection Track

Detail No.: 62s.09  
Date: January 2015



## Notes:

1. StoGuard® Transition Membrane options:
  - a. StoGuard® RapidSeal®
  - b. Sto Gold Fill® with StoGuard® Mesh
  - c. StoGuard® Fabric with StoGuard® waterproof air barrier membrane
2. StoGuard® waterproof air barrier membrane options:
  - a. Sto Gold Coat® (vapor permeable)
  - b. Sto EmeraldCoat® (high perm)
  - c. Sto VaporSeal™ (vapor impermeable)
  - d. Sto AirSeal™ (high perm) (Not for use with Sto Guard Fabric)
3. Water-Resistive Barrier: Minimum #15 grade D building paper.
4. Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
5. IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

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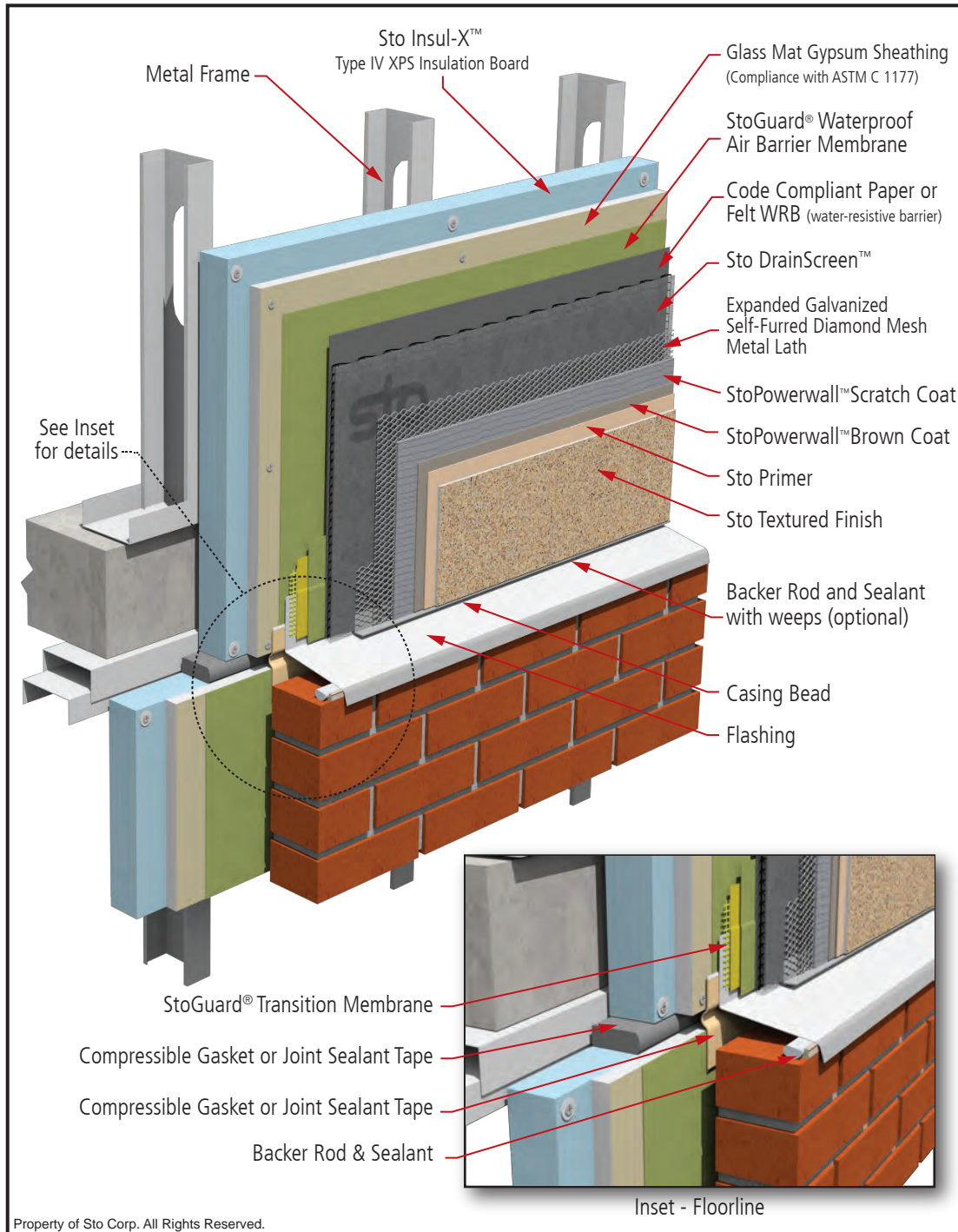


# StoPowerwall® ci

## Horizontal Joint at Dissimilar Material

Detail No.: 62s.10

Date: January 2015



### Notes:

- StoGuard® Transition Membrane options:
  - StoGuard® RapidSeal® with StoGuard® Mesh
  - Sto Gold Fill® with StoGuard® Mesh
  - StoGuard® Fabric with StoGuard® waterproof air barrier membrane
- StoGuard® waterproof air barrier membrane options:
  - Sto Gold Coat® (vapor permeable)
  - Sto EmeraldCoat® (high perm)
  - Sto VaporSeal™ (vapor impermeable)
  - Sto AirSeal™ (high perm) (Not for use with Sto Guard Fabric)
- Water-Resistive Barrier: Minimum #15 grade D building paper.
- Refer to product bulletins for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
- Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
- IMPORTANT: Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

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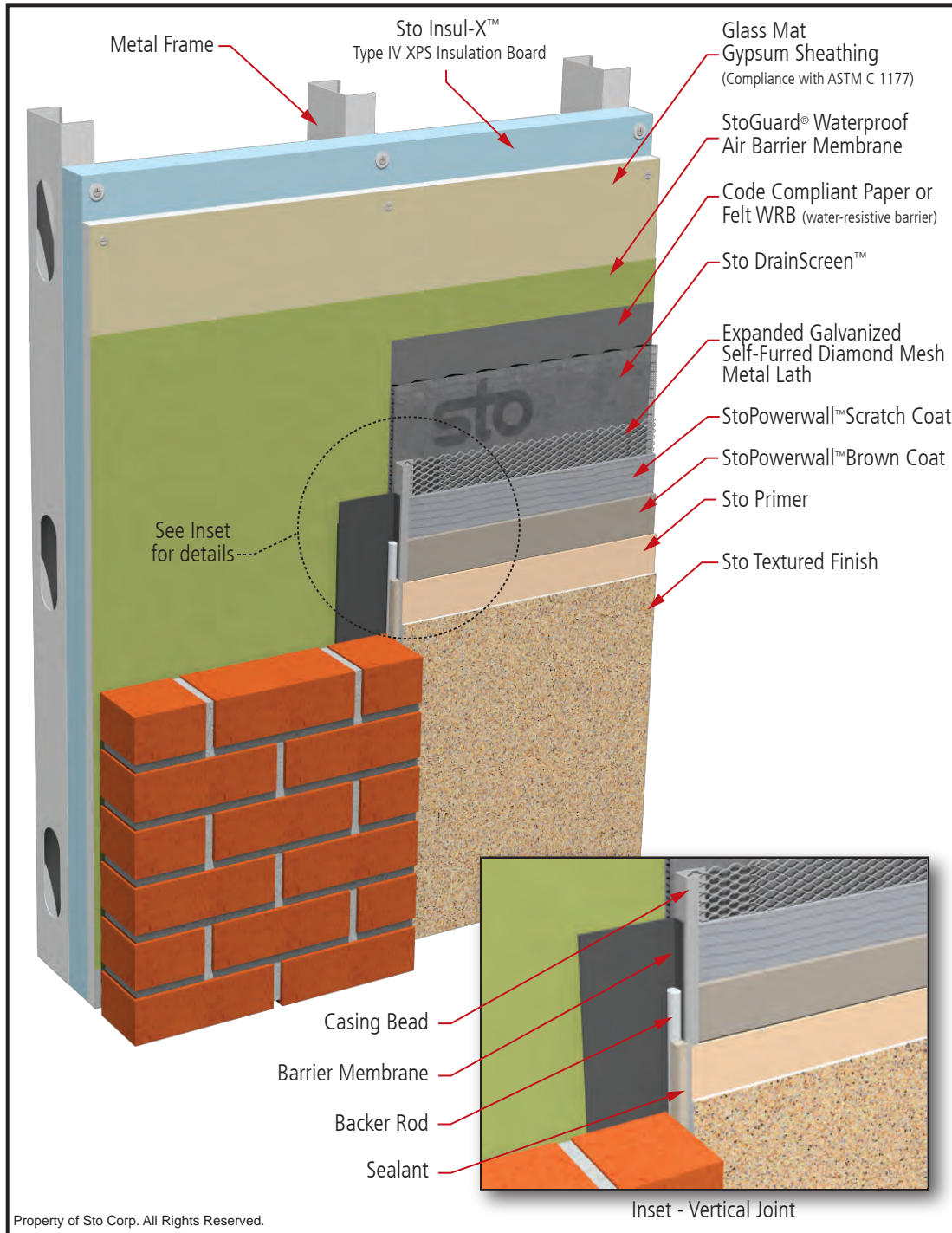
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# StoPowerwall® ci

## Vertical Joint at Dissimilar Material

Detail No.: 62s.11  
Date: January 2015



### Notes:

1. StoGuard® Joint Treatment options:
  - a. StoGuard® RapidSeal® with StoGuard® Mesh (joints ≤ 1/4 inch [6 mm])
  - b. Sto Gold Fill® with StoGuard® Mesh (joints ≤ 1/8 inch [3 mm])
  - c. StoGuard® Fabric with StoGuard® waterproof air barrier membrane (joints ≤ 1/8 inch [3 mm])
2. StoGuard® waterproof air barrier membrane options:
  - a. Sto Gold Coat® (vapor permeable)
  - b. Sto EmeraldCoat® (high perm)
  - c. Sto VaporSeal™ (vapor impermeable)
  - d. Sto AirSeal™ (high perm) (Not for use with Sto Guard Fabric)
3. Water-Resistive Barrier: Minimum #15 grade D building paper.
4. Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
5. IMPORTANT: Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

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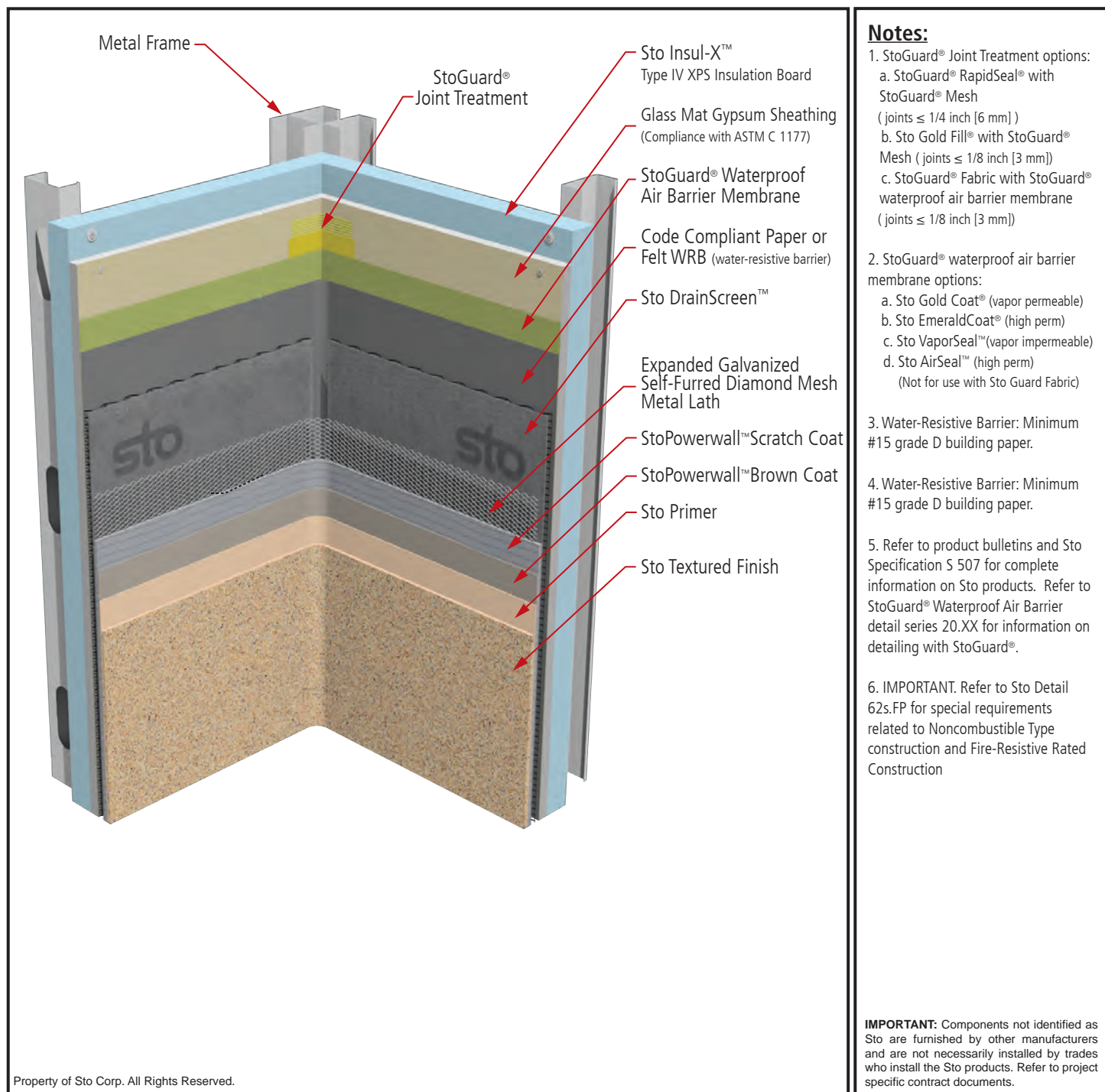
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# StoPowerwall® ci

## Vertical Joint at Inside Corner: Common Substrate

Detail No.: 62s.12  
Date: January 2015



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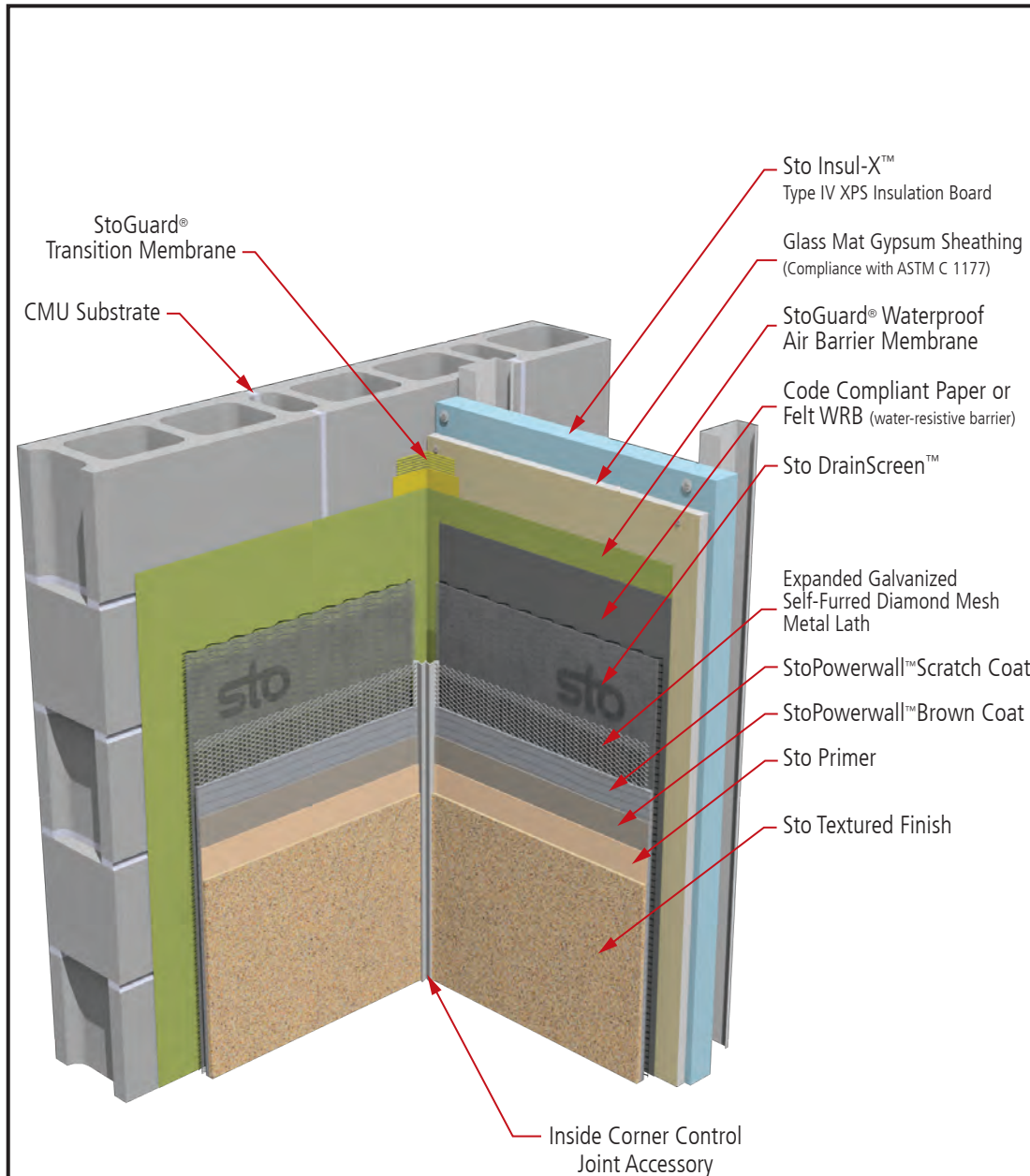
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# StoPowerwall® ci

## Vertical Joint at Inside Corner: Different Substrate

Detail No.: 62s.13  
Date: January 2015



### Notes:

1. StoGuard® Transition Membrane options:
  - a. StoGuard® RapidSeal® with StoGuard® Mesh (joints ≤ 1/4 inch [6 mm])
  - b. Sto Gold Fill® with StoGuard® Mesh (joints ≤ 1/8 inch [3 mm])
  - c. StoGuard® Fabric with StoGuard® waterproof air barrier membrane (joints ≤ 1/8 inch [3 mm])
  - d. StoGuard® Tape (joints ≤ 1/4 inch [6 mm])
2. StoGuard® waterproof air barrier membrane options:
  - a. Sto Gold Coat® (vapor permeable)
  - b. Sto EmeraldCoat® (high perm)
  - c. Sto VaporSeal™ (vapor impermeable)
  - d. Sto AirSeal™ (high perm) (Not for use with Sto Guard Fabric)
3. Water-Resistive Barrier: Minimum #15 grade D building paper.
4. Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
5. IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

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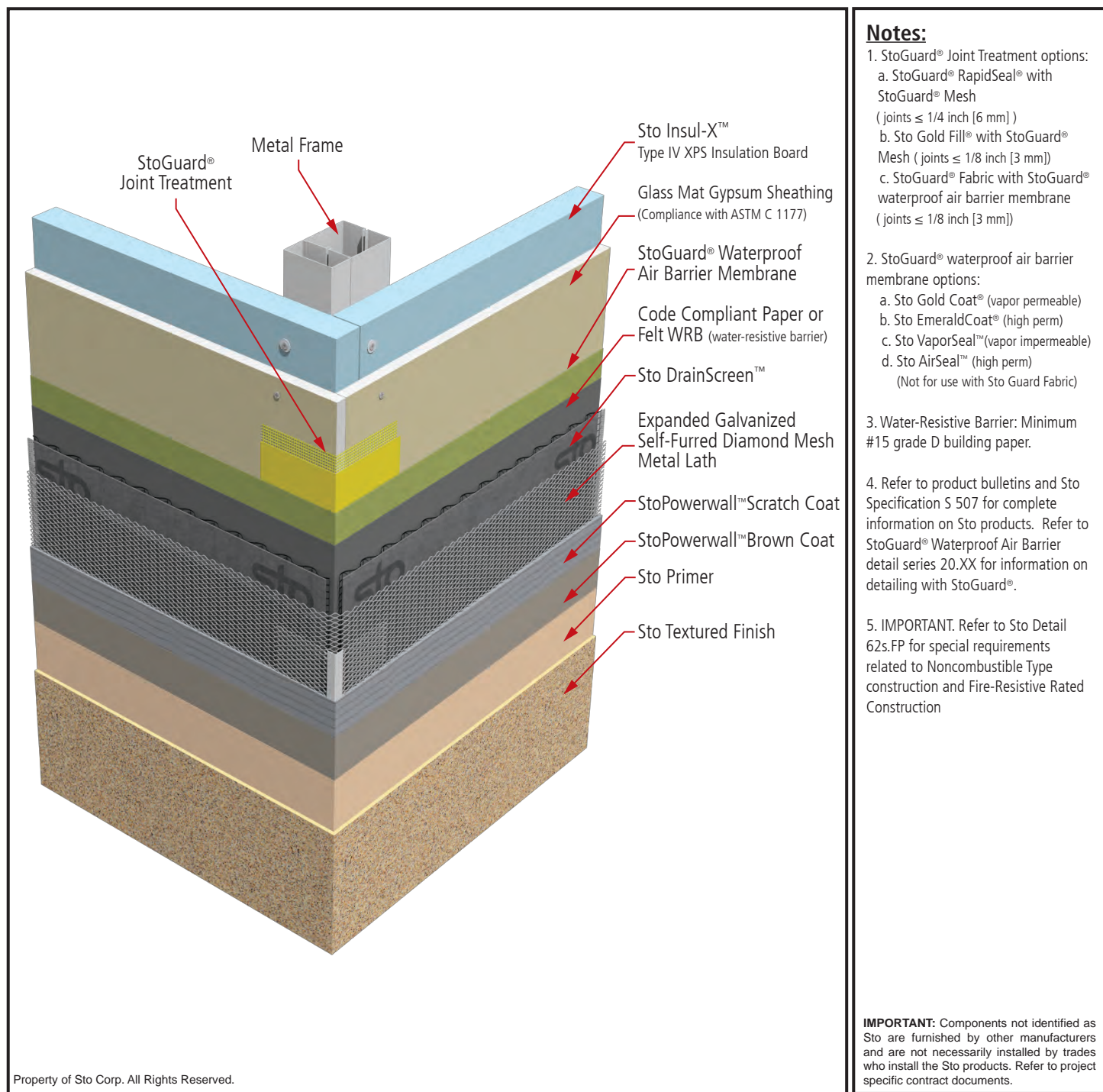
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# StoPowerwall® ci

## Outside Corner: Common Substrate

Detail No.: 62s.14  
Date: January 2015



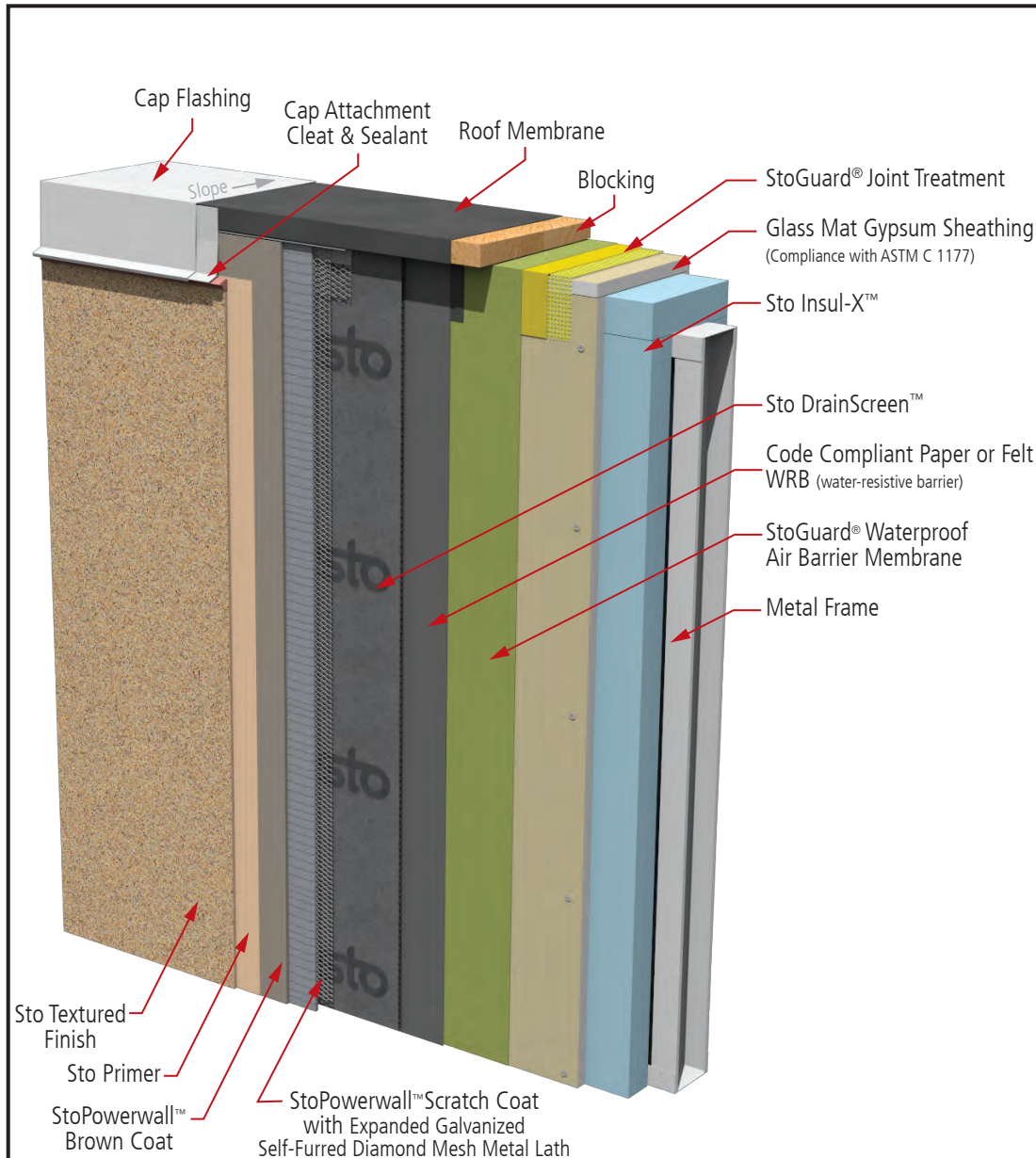
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# Sto®Powerwall® ci Termination at Parapet

Detail No.: 62s.15  
Date: January 2015



## Notes:

- StoGuard® Joint Treatment options:
  - StoGuard® RapidSeal® with StoGuard® Mesh (joints ≤ 1/4 inch [6 mm])
  - Sto Gold Fill® with StoGuard® Mesh (joints ≤ 1/8 inch [3 mm])
  - StoGuard® Fabric with StoGuard® waterproof air barrier membrane (joints ≤ 1/8 inch [3 mm])
- StoGuard® waterproof air barrier membrane options:
  - Sto Gold Coat® (vapor permeable)
  - Sto EmeraldCoat® (high perm)
  - Sto VaporSeal™ (vapor impermeable)
  - Sto AirSeal™ (high perm) (Not for use with Sto Guard Fabric)
- Water-Resistive Barrier: Minimum #15 grade D building paper.
- Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
- IMPORTANT: Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

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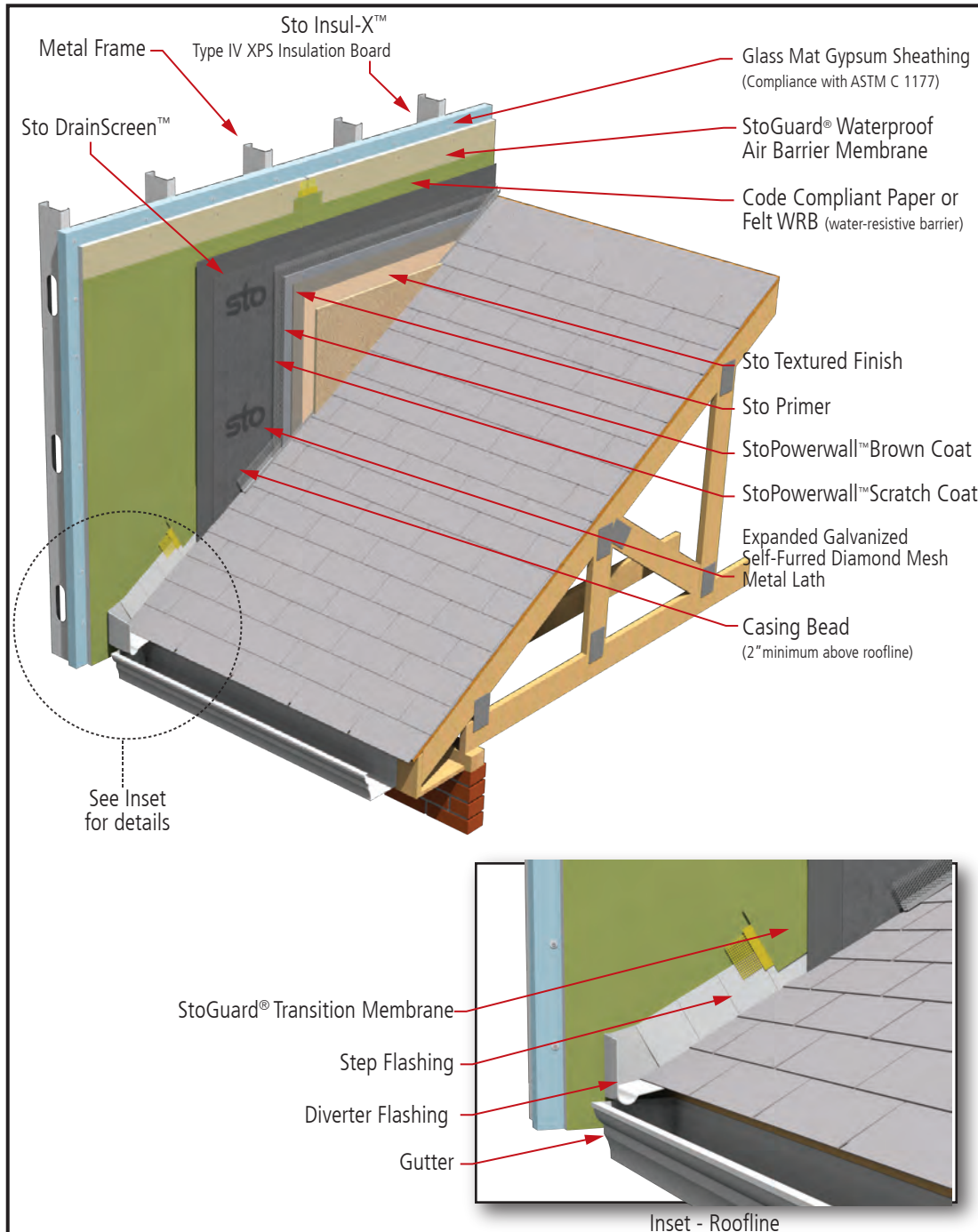
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# Sto®Powerwall® ci Roof/Wall Abutment

Detail No.: 62s.16

Date: January 2015



## Notes:

1. StoGuard® Transition Membrane options:
  - a. StoGuard® RapidSeal® with StoGuard® Mesh (joints ≤ 1/4 inch [6 mm])
  - b. Sto Gold Fill® with StoGuard® Mesh (joints ≤ 1/8 inch [3 mm])
  - c. StoGuard® Fabric with StoGuard® waterproof air barrier membrane (joints ≤ 1/8 inch [3 mm])
2. StoGuard® waterproof air barrier membrane options:
  - a. Sto Gold Coat® (vapor permeable)
  - b. Sto EmeraldCoat® (high perm)
  - c. Sto VaporSeal™ (vapor impermeable)
  - d. Sto AirSeal™ (high perm) (Not for use with Sto Guard Fabric)
3. Water-Resistive Barrier: Minimum #15 grade D building paper.
4. Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
5. IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

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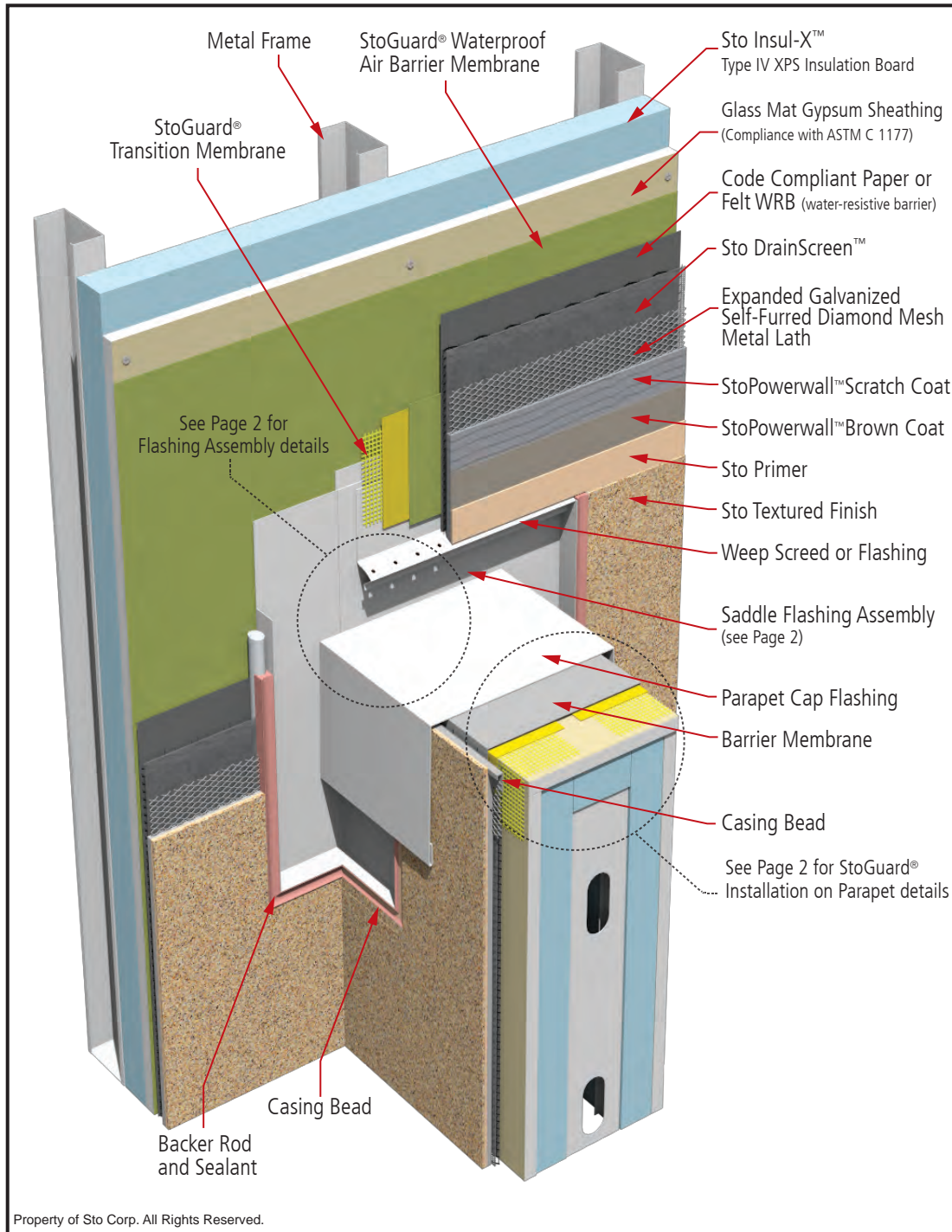
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# StoPowerwall® ci Saddle Flashing

Detail No.: 62s.17

Date: January 2015

Page 1 of 2



## Notes:

1. StoGuard® Transition Membrane options:

- a. StoGuard® RapidSeal®
- b. Sto Gold Fill® with StoGuard® Mesh
- c. StoGuard® Fabric with StoGuard® waterproof air barrier membrane

2. StoGuard® waterproof air barrier membrane options:

- a. Sto Gold Coat® (vapor permeable)
- b. Sto EmeraldCoat® (high perm)
- c. Sto VaporSeal™ (vapor impermeable)
- d. Sto AirSeal™ (high perm)  
(Not for use with Sto Guard Fabric)

3. Water-Resistive Barrier: Minimum #15 grade D building paper.

4. Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.

5. IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

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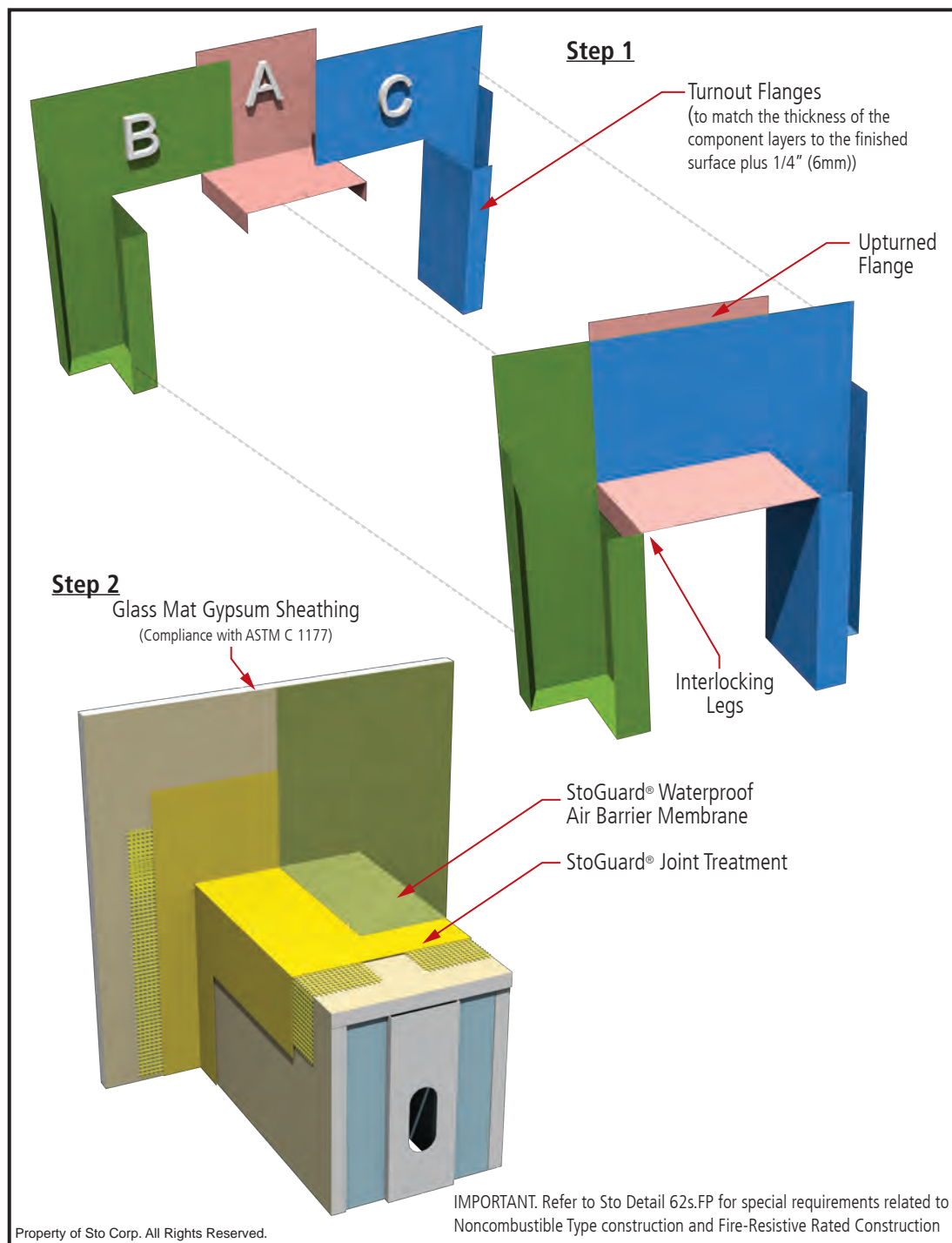
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# StoPowerwall®EnergyGuard™ Saddle Flashing

Detail No.: 62s.17

Date: May 2012

Page 2 of 2



## Notes:

### Step 1

1. Parapet flashing pieces 'B' and 'C' are folded as shown and are mirror images of each other. The flat upper portions are designed to overlap over the parapet wall and flat against the upper, intersecting wall. The folded turnouts are to match the thickness of the component layers to the finished surface plus 1/4" (6mm).

2. Parapet flashing piece 'A' is designed to straddle the parapet wall. The upturned flange is placed behind the upper flat flanges of flashing piece 'B' and 'C' and the two downturned legs interlock over the lower portions of the flashing pieces 'B' and 'C' respectively, in a shingle like fashion.

### Step 2

1. StoGuard® Joint Treatment options:

- StoGuard® RapidSeal® with StoGuard® Mesh (joints ≤ 1/4 inch [6 mm])
- Sto Gold Fill® with StoGuard® Mesh (joints ≤ 1/8 inch [3 mm])
- StoGuard® Fabric with StoGuard® waterproof air barrier membrane (joints ≤ 1/8 inch [3 mm])

2. StoGuard® waterproof air barrier membrane options:

- Sto Gold Coat® (vapor permeable)
  - Sto EmeraldCoat® (high perm)
  - Sto VaporSeal™ (vapor impermeable)
  - Sto AirSeal™ (high perm)
- (Not for use with Sto Guard Fabric)

3. Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.

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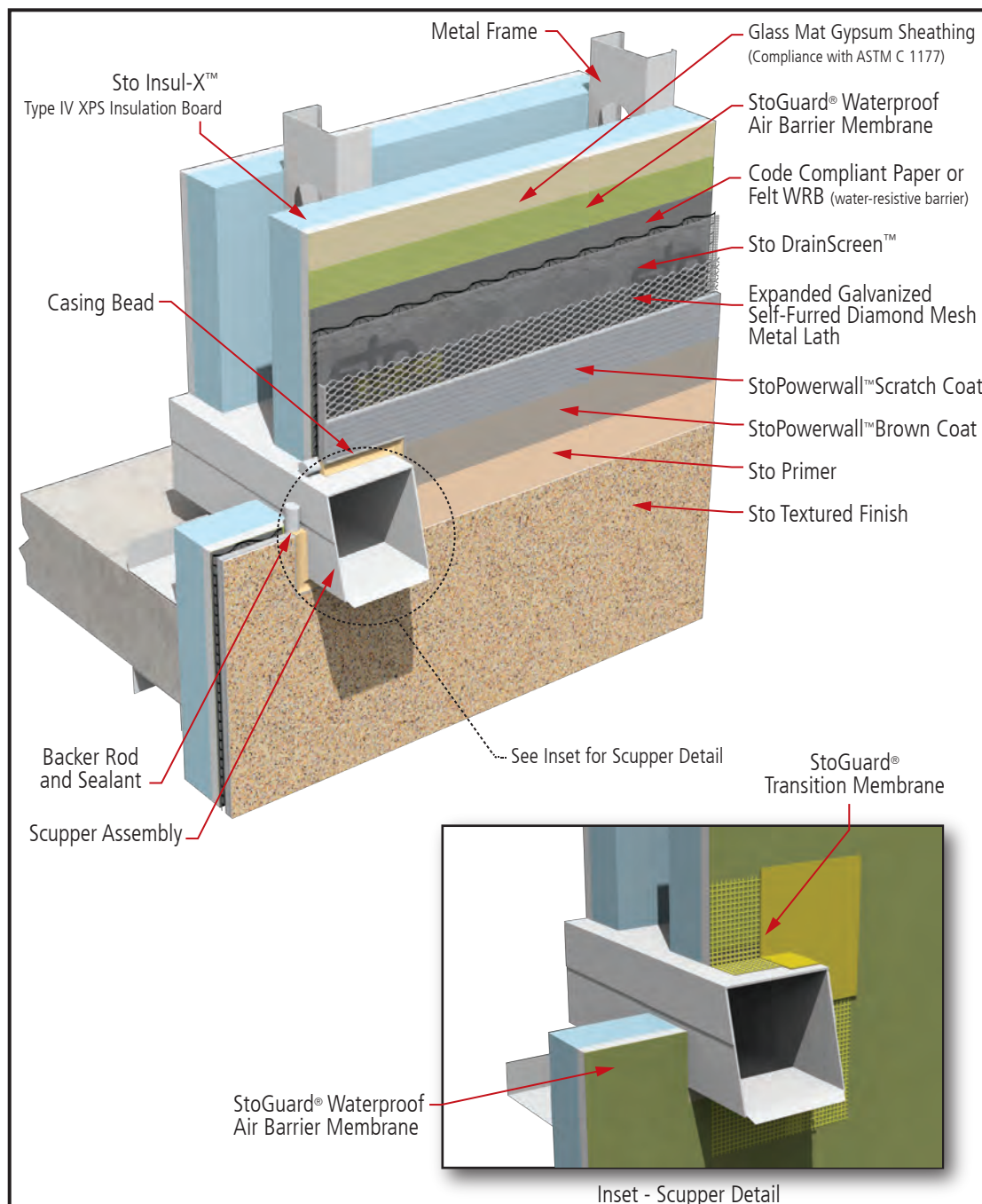
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# Sto®Powerwall® ci Scupper Penetration Through Wall

Detail No.: 62s.18  
Date: January 2015



## Notes:

1. StoGuard® Transition Membrane options:
  - a. StoGuard® RapidSeal® with StoGuard® Mesh (joints  $\leq 1/4$  inch [6 mm])
  - b. Sto Gold Fill® with StoGuard® Mesh (joints  $\leq 1/8$  inch [3 mm])
  - c. StoGuard® Fabric with StoGuard® waterproof air barrier membrane (joints  $\leq 1/8$  inch [3 mm])
  - d. StoGuard® Tape (joints  $\leq 1/4$  inch [6 mm])
2. StoGuard® waterproof air barrier membrane options:
  - a. Sto Gold Coat® (vapor permeable)
  - b. Sto EmeraldCoat® (high perm)
  - c. Sto VaporSeal™ (vapor impermeable)
  - d. Sto AirSeal™ (high perm) (Not for use with Sto Guard Fabric)
3. Water-Resistive Barrier: Minimum #15 grade D building paper.
4. Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
5. IMPORTANT: Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

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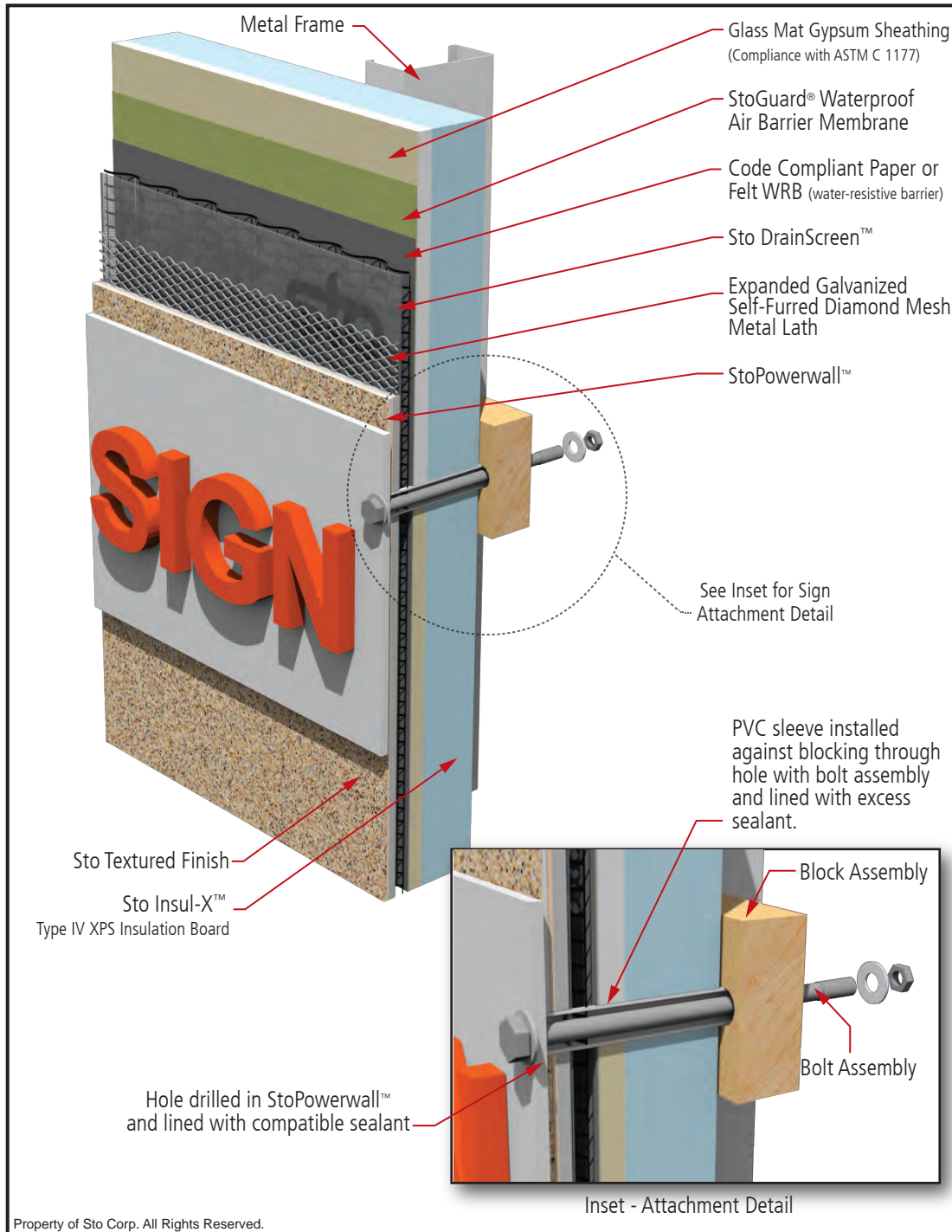
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# Sto®Powerwall® ci Sign Attachment

Detail No.: 62s.19  
Date: January 2015



## Notes:

1. StoGuard® waterproof air barrier membrane options:
  - a. Sto Gold Coat® (vapor permeable)
  - b. Sto EmeraldCoat® (high perm)
  - c. Sto VaporSeal™ (vapor impermeable)
  - d. Sto AirSeal™ (high perm)  
(Not for use with Sto Guard Fabric)
2. Water-Resistive Barrier: Minimum #15 grade D building paper.
3. Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
4. IMPORTANT: Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

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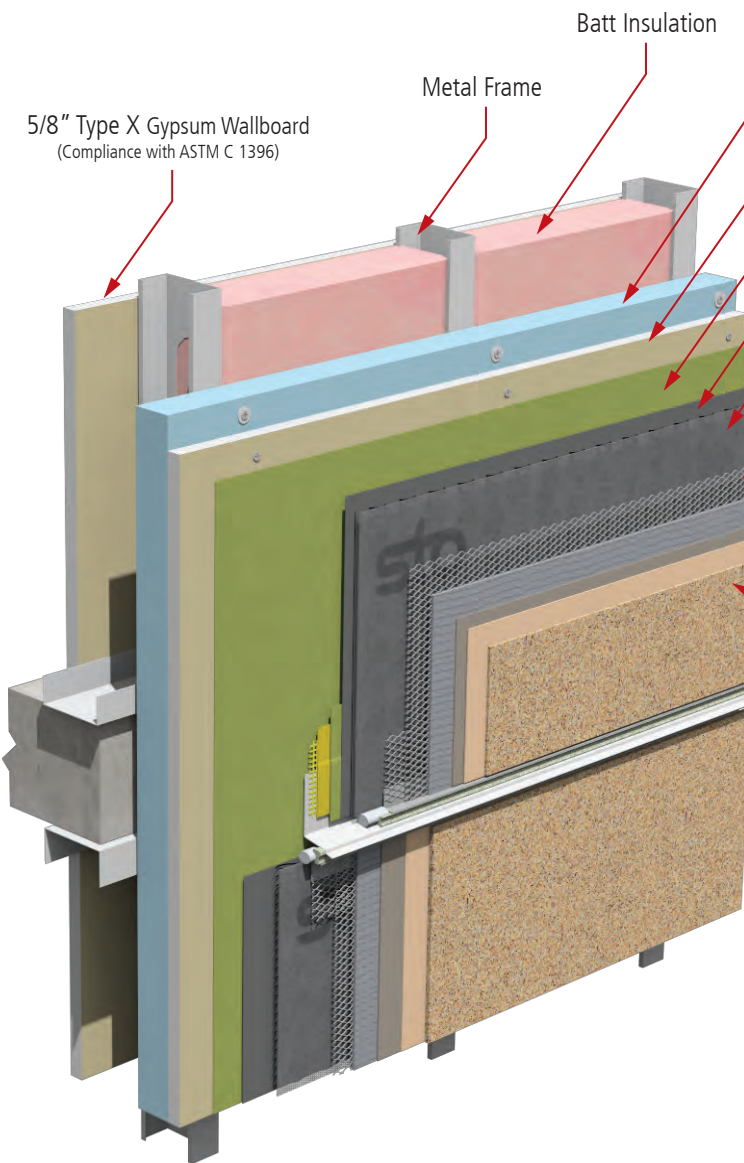
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# Sto Powerwall® ci

**Fire Protection - Noncombustible Type Construction (NFPA 285) and  
1 Hour Non-Load Bearing Fire-Resistive Rated Wall Assembly (ASTM E 119)**

**Detail No.: 62s.FP**

**Date: January 2015**



**Labels:**

- 5/8" Type X Gypsum Wallboard (Compliance with ASTM C 1396)
- Metal Frame
- Batt Insulation
- Sto Insul-X™ Type IV XPS Insulation Board
- Exterior Glass Mat Gypsum Sheathing (Compliance with ASTM C 1177)
- StoGuard® Waterproof Air Barrier Membrane
- Code Compliant Paper or Felt WRB (water-resistive barrier)
- Sto DrainScreen™
- Expanded Galvanized Self-Furred Diamond Mesh Metal Lath
- StoPowerwall™ Scratch Coat
- StoPowerwall™ Brown Coat
- Sto Primer
- Sto Textured Finish

**Notes:**

1. Interior Wallboard: minimum 5/8" (16mm) gypsum wallboard in compliance with ASTM C 1396.
2. Structure: Minimum 18 ga studs, minimum 3-5/8" stud depth, maximum 16" O.C. stud spacing.
3. Floorline Firestopping: if Platform type framing - none; if Balloon type framing - minimum 4 pcf mineral wool in each stud cavity and at each floor line, attached with Z-clips or equivalent.
4. Stud Cavity Insulation: none, or any noncombustible batt insulation, faced or unfaced.
5. Continuous Insulation: Sto Insul-X, (Type IV XPS) maximum 3" (76 mm) thick.
6. Exterior Sheathing: minimum 1/2" (51 mm) glass mat gypsum sheathing in compliance with ASTM C 1177. Joints treated with StoGuard® joint treatment.
7. Air Barrier Options: StoGuard with EmeraldCoat, Sto Guard with Gold Coat, or Sto ExtraSeal.
8. WRB (Water-resistive Barrier): none, or No. 15 Grade D Building Paper, or Asphalt Saturated Felt in compliance with ASTM D 226.
9. Cavity Wall Component: Sto DrainScreen™
10. Stucco Assembly: minimum 2.5# self-furred galvanized diamond mesh metal lath with stucco scratch and brown coat in compliance with ASTM C 926 at minimum 3/4" (19 mm) thick.
11. Openings: return minimum 1/2" thick Glass Mat Gypsum sheathing into openings at jambs and head (Refer to Sto Detail 62s.04). Provide head flashing at window head (Refer to Sto Details 62s.04 and 62s.05).

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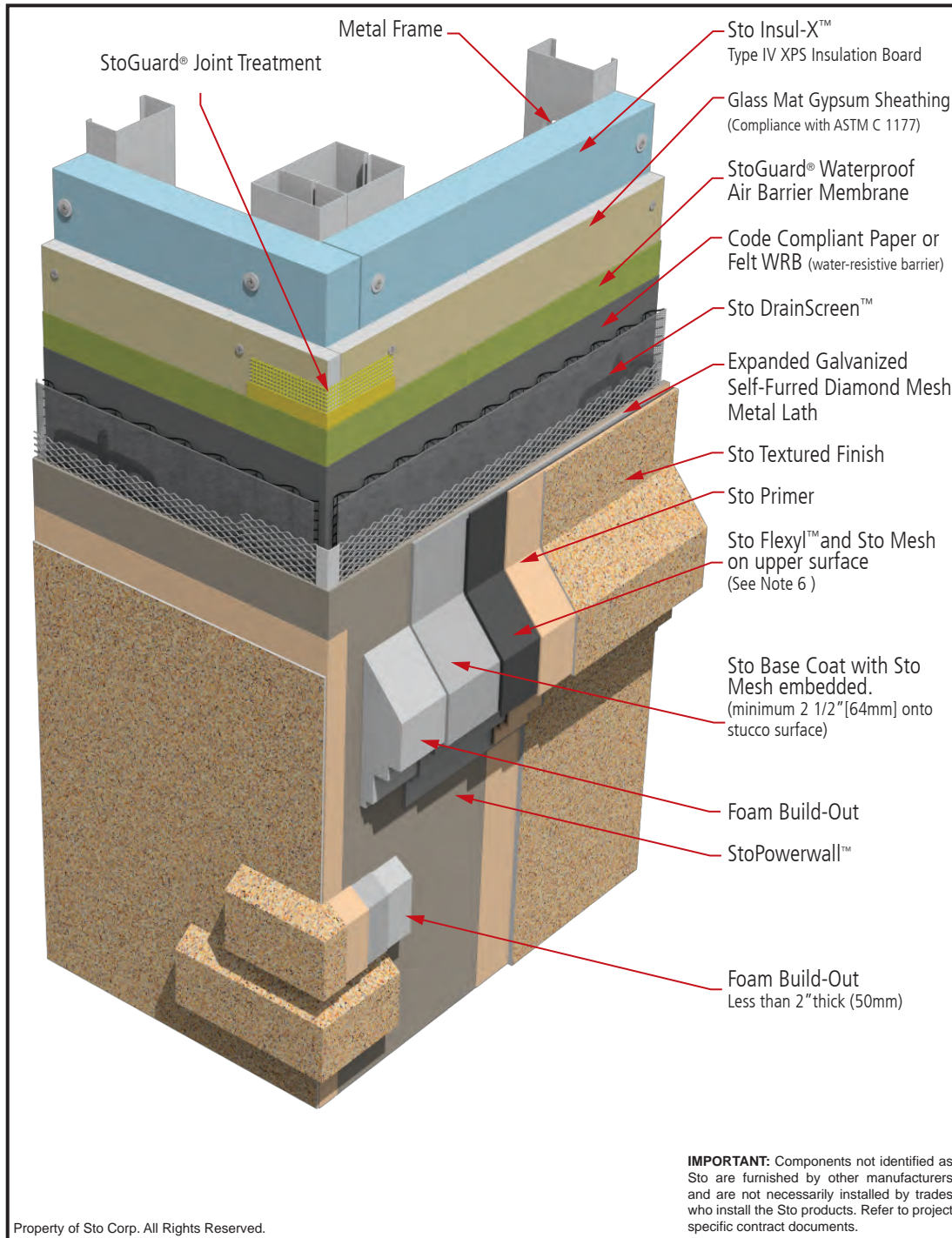
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# Sto®Powerwall® ci Foam Buildouts

Detail No.: 62s.20

Date: January 2015



## Notes:

- StoGuard® Joint Treatment options:
  - StoGuard® RapidSeal® with StoGuard® Mesh (joints ≤ 1/4 inch [6 mm])
  - Sto Gold Fill® with StoGuard® Mesh (joints ≤ 1/8 inch [3 mm])
  - StoGuard® Fabric with StoGuard® waterproof air barrier membrane (joints ≤ 1/8 inch [3 mm])
- StoGuard® waterproof air barrier membrane options:
  - Sto Gold Coat® (vapor permeable)
  - Sto EmeraldCoat® (high perm)
  - Sto VaporSeal™ (vapor impermeable)
  - Sto AirSeal™ (high perm) (Not for use with Sto Guard Fabric)
- Water-Resistive Barrier: Minimum #15 grade D building paper.
- The maximum thickness of foam plastic insulation allowed by code is typically 4" (100mm).
- The exposed surface must have a minimum slope of 1:2 (27°). In locations where ice and snow may accumulate, increase the slope.
- Provide Sto Flexyl™ and mesh on upper surfaces of foam features projecting more than 2" (50mm) from the stucco surface. Feather edges into stucco.
- Refer to product bulletins and Sto Specification S 507 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
- IMPORTANT:** Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

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