

StoPowerwall® ci Commercial Frame Construction Series 62s.xx January 2015

ATTENTION

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.

www.stocorp.com

Property of Sto Corp All Rights Reserved.

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

Metal Frame Sto Insul-X™ Type IV XPS Insulation Board Glass Mat Gypsum Sheathing (Compliance with ASTM C 1177) StoGuard® Joint Treatment 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 Property of Sto Corp. All Rights Reserved.

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])

Detail No.: 62s.00

Date: January 2015

- 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

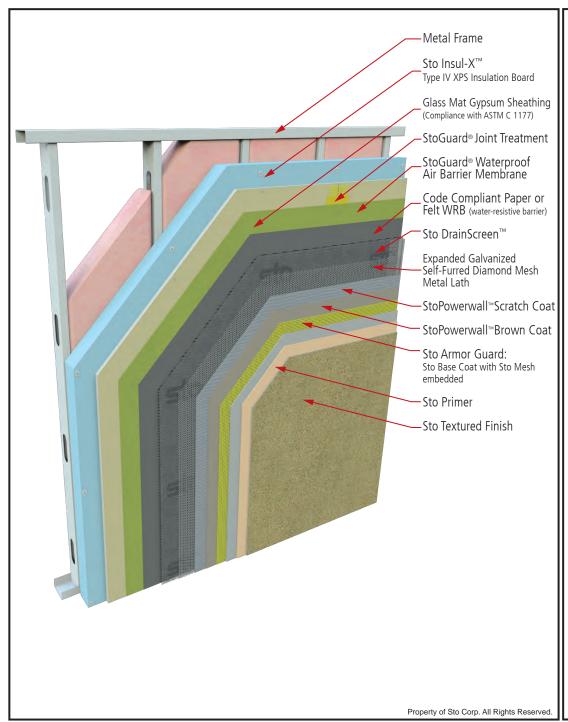
IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

ATTENTION www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.



Sto Powerwall® ci System Components with Sto Armor Guard



Notes:

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])

Detail No.: 62s.01

Date: January 2015

- 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

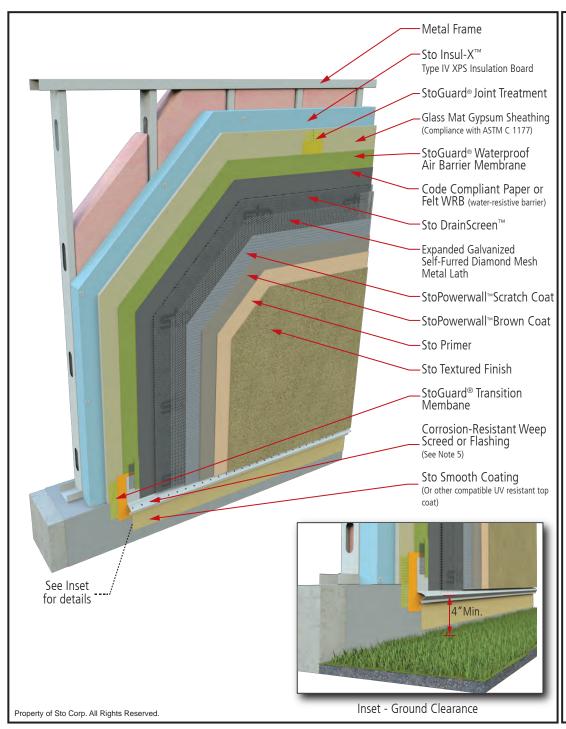
IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

ATTENTION www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.



Sto®Powerwall® ci Termination at Grade: Sheathing Flush with Foundation



ATTENTION

Notes:

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])

Detail No.: 62s.02

Date: January 2015

- 2. StoGuard® Transition Membrane Options:
- a. StoGuard® RaidSeal® with StoGuard® Mesh
- b. Sto Gold Fill with StoGuard® Mesh
- 3. 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)
- 4. Water-Resistive Barrier: Minimum #15 grade D building paper.
- 5. 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®.
- 6. IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction
- 7. Cladding termination minimum 4" (101 mm) above finish grade, minimum 2" (51mm) above paved surfaces.

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.

www.stocorp.com

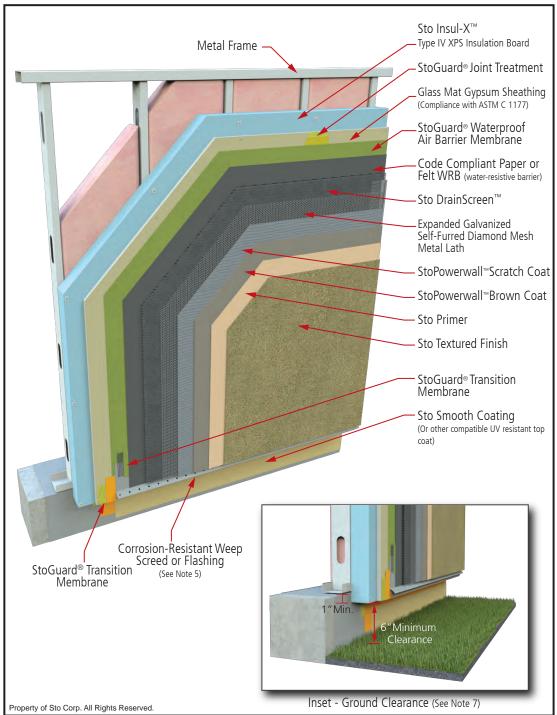
Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.



Sto®Powerwall® ci Termination at Grade: Sheathing over Foundation

ATTENTION

components



Notes:

 StoGuard® joint treatment options:
 a. StoGuard® RapidSeal® with StoGuard® Mesh

Detail No.: 62s.03

Date: January 2015

- (joints $\leq 1/4$ 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® Transition Membrane Ontions:
- a. StoGuard® RaidSeal® with StoGuard® Mesh
- b. Sto Gold Fill with StoGuard® Mesh c. StoGuard® Fabric with StoGuard® waterproof air barrier membrane (for transition at weep screed only)
- 3. 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)
- 4. Water-Resistive Barrier: Minimum #15 grade D building paper.
- 5. 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®.
- 6. IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction
- 7. Foam insulation termination minimum 6" (152 mm) above grade.

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.

www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by

STO CORP. DISCLAIMS ALL WARRANTIES EXPRESSED OR IMPLIED EXCEPT FOR EXPLICIT LIMITED WRITTEN WARRANTIES ISSUED TO AND ACCEPTED BY BUILDING OWNERS IN ACCORDANCE WITH STO'S WARRANTY PROGRAMS WHICH ARE SUBJECT TO CHANGE FROM TIME TO TIME. For the fullest, most current information on proper application, clean-up, mixing and other specifications and warranties, cautions and disclaimers, please refer to the Sto Corp. website, www.stocorp.com.

unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its



Sto®Powerwall® ci Rough Opening Protection with StoGuard®Fabric

ATTENTION

Step 1 Apply StoGuard® waterproof air barrier membrane liberally at corners of rough openings and place StoGuard® RediCorners™ in wet membrane. Use brush, roller, trowel or taping knife to fully embed StoGuard® RediCorner™ StoGuard® RediCorners™ Glass Mat Gypsum Sheathing (Compliance with ASTM C 1177) StoGuard® Waterproof Air Barrier Membrane StoGuard® Joint Treatment Sto Insul-X™ Type IV XPS Insulation Board Step 2 Immediately apply StoGuard® waterproof air barrier membrane liberally to inside of opening and around outside of head, sill and iambs. Center 6"(150 mm) wide StoGuard®Fabric on outside corners and press into wet membrane StoGuard® Fabric. along the head, jambs, and sill with minimum 2" (50 mm) overlaps of adjacent fabric. Use brush, roller, trowel or taping knife to fully embed.

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

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. Rough Opening Protection Options:
 a.Sto Gold Fill with StoGuard®Mesh
 (refer to Sto Detail 20.20M)
 b. Sto Waterproof Air Barrier with
 StoGuard® Fabric
 (refer to Sto Detail 20.20F)
 c. Sto Waterproof Air Barrier with
 StoGuard® Fabric and StoGuard® Tape
 (refer to Sto Detail 20.20FT)
 d. StoGuard® Tape
 (refer to Sto Detail 20.20T)
 e. StoGuard® RapidSeal®
 (refer to Sto Detail 20.20R)
- 3. 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)
- 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

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.

www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.

Property of Sto Corp. All Rights Reserved



Sto®Powerwall® ci Rough Opening Protection with StoGuard®Fabric

Detail No.: 62s.04F 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. IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

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

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.

ATTENTION www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.

Property of Sto Corp. All Rights Reserved.



Sto®Powerwall® ci Rough Opening Protection with StoGuard®Mesh

ATTENTION

Place 2"(50mm) wide strip of StoGuard® Mesh lapping onto face of wall diagonally at corners of opening. Step 2 StoGuard® Mesh Wrap sill with 9"(230mm) wide StoGuard® Mesh returning up the jambs a minimum of 4"(100mm) 3 Step 3 Wrap jambs with minimum 9"(230mm) wide StoGuard® StoGuard® Joint Mesh, lapping minimum **Treatment** 2.5"(64mm) over extension from sill, then wrap head. Sto Insul-X™ Type IV XPS Insulation Board Step 4 Coat StoGuard® Mesh with Sto Gold Fill®. StoGuard® Gold Fill Glass Mat Gypsum Sheathing (Compliance with ASTM C 1177) Property of Sto Corp. All Rights Reserved.

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

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. Rough Opening Protection Options:
 a.Sto Gold Fill with StoGuard®Mesh
 (refer to Sto Detail 20.20M)
 b. Sto Waterproof Air Barrier with
 StoGuard® Fabric
 (refer to Sto Detail 20.20F)
 c. Sto Waterproof Air Barrier with
 StoGuard® Fabric and StoGuard® Tape
 (refer to Sto Detail 20.20FT)
 d. StoGuard® Tape
 (refer to Sto Detail 20.20T)
 e. StoGuard® RapidSeal®
 (refer to Sto Detail 20.20R)
- 3. 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)
- 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

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.

www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.



Sto®Powerwall® ci Rough Opening Protection with StoGuard®Mesh

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

HI C 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 Property of Sto Corp. All Rights Reserved.

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

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.

ATTENTION www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.



Sto®Powerwall® ci Box Window at Sill, Jamb, and Head

Sto Insul-X™-Type IV XPS Insulation Board One-piece Expansion/ Metal Frame Control Joint (typical) Head Flashing with StoGuard® Transition Membrane Sealant dab at control joint termination (to divert water to exterior) Glass Mat Gypsum (Compliance with ASTM C 1177) StoGuard® Waterproof Air Barrier Membrane Window Frame Code Compliant Paper or Felt WRB (water-resistive barrier) Sto DrainScreen™ Expanded Galvanized See Page 2 Self-Furred Diamond Mesh for details Metal Lath StoPowerwall™Scratch Coat See Page 3 for details StoPowerwall™Brown Coat Sto Primer - Sill Flashing Sto Textured Finish

Detail No.: 62s.05 Date: January 2015

Page 1 of 3

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 $\leq 1/8$ 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 $^{\mathsf{TM}}$ (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
- 6. 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.

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.

www.stocorp.com

ATTENTION

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its

Property of Sto Corp. All Rights Reserved



Sto®Powerwall® ci Box Window at Head/Jamb

One piece Expansion/ Control Joint Flashing End Dam StoGuard® Transition Membrane Head Flashing Flashing Inset 1 - Head & Jamb & End Dam Detail **End Dam** without Sto Textured Finish Sealant dab at control joint termination (to divert water to exterior) Casing Bead Backer Rod Sealant StoGuard® Joint Treatment Backer Rod & Sealant (interior) Backer Rod Backer Rod & Sealant & Sealant Inset 2 - Head & Jamb Detail with Sto Textured Finish Property of Sto Corp. All Rights Reserved

Detail No.: 62s.05 Date: January 2015

Page 2 of 3

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 $\leq 1/8$ 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
- 6. 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.

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.

www.stocorp.com

ATTENTION

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its



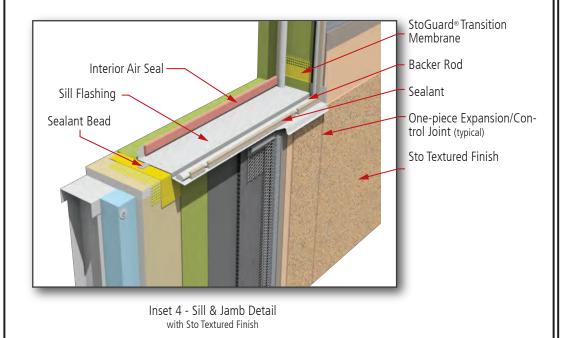
Sto®Powerwall® ci Box Window at Sill/Jamb

Detail No.: 62s.05 Date: January 2015

Page 3 of 3

Casing Bead Flashing End Dam Sill Flashing StoGuard® Joint **Treatment** Code Compliant Paper or Felt WRB (water-resistive barrier) -Sto DrainScreen™ One piece Expansion/ Control Joint

Inset 3 - Sill & Jamb Detail without Sto Textured Finish



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 $\leq 1/8$ inch [3 mm]) c. StoGuard® Fabric with StoGuard® waterproof air barrier membrane
- 2. StoGuard® waterproof air barrier membrane options:

(joints $\leq 1/8$ inch [3 mm])

- 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
- 6. 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.

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

www.stocorp.com

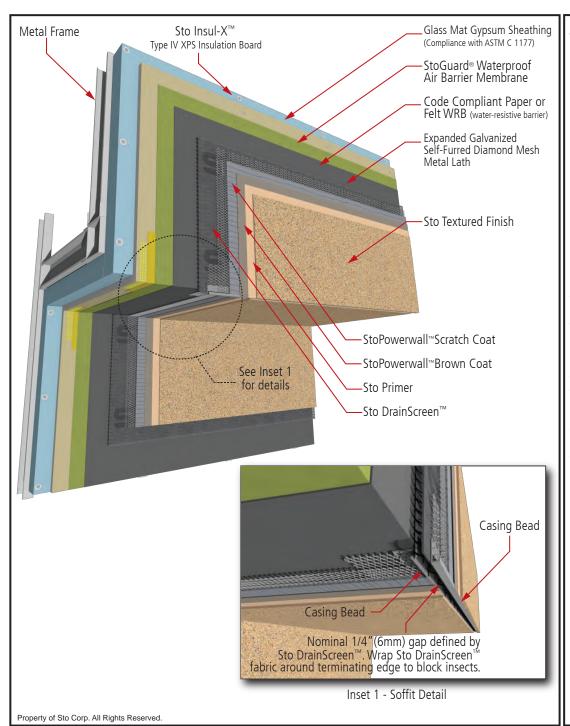
ATTENTION

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its

Property of Sto Corp. All Rights Reserved



Sto®Powerwall® ci Soffit Return



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])

Detail No.: 62s.07

Date: January 2015

- 2. StoGuard® waterproof air barrier membrane options:
- a. Sto Gold Coat® (vapor permeable)
- b. Sto EmeraldCoat® (high perm)
- c. Sto VaporSeal $^{\scriptscriptstyle{\text{TM}}}$ (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

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.

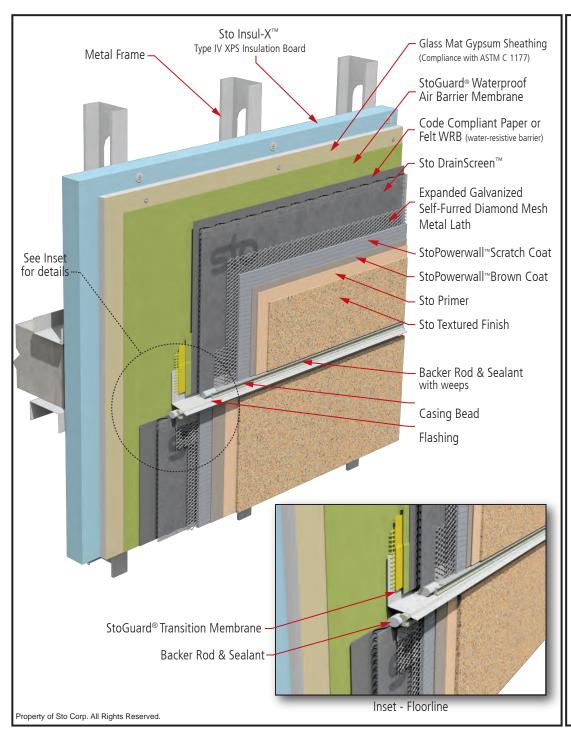
ATTENTION www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.



StoPowerwall® ci Floorline without Deflection Track

ATTENTION



Notes:

1. StoGuard® Transition Membrane options:

Detail No.: 62s.08

Date: January 2015

- a. StoGuard® RapidSeal® with StoGuard® Mesh (optional)
- 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.
- 6. Design professional to determine need for deflection track. If a deflection track is required, refer to Sto Detail 62s.09 for more information.

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.

www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by

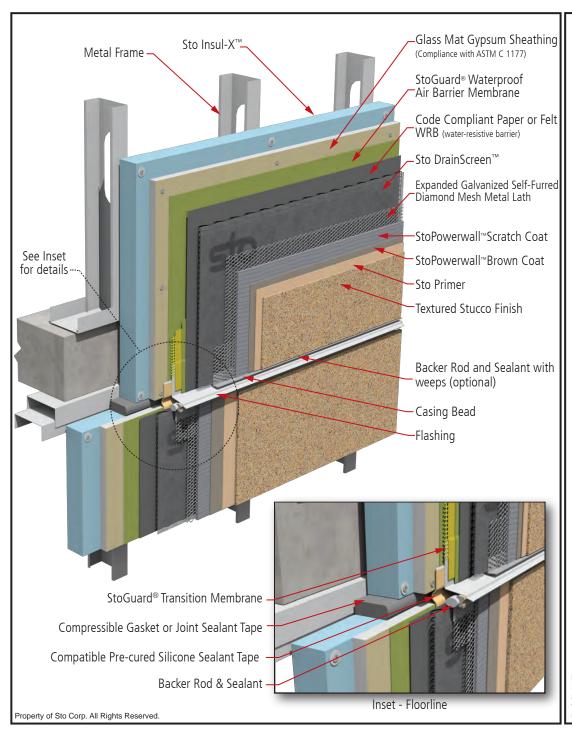
STO CORP. DISCLAIMS ALL WARRANTIES EXPRESSED OR IMPLIED EXCEPT FOR EXPLICIT LIMITED WRITTEN WARRANTIES ISSUED TO AND ACCEPTED BY BUILDING OWNERS IN ACCORDANCE WITH STO'S WARRANTY PROGRAMS WHICH ARE SUBJECT TO CHANGE FROM TIME TO TIME. For the fullest, most current information on proper application, clean-up, mixing and other specifications and warranties, cautions and disclaimers, please refer to the Sto Corp. website, www.stocorp.com.

unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its



Sto®Powerwall® ci Floorline with Deflection Track

ATTENTION



Notes:

1. StoGuard® Transition Membrane options:

Detail No.: 62s.09

Date: January 2015

- 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

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.

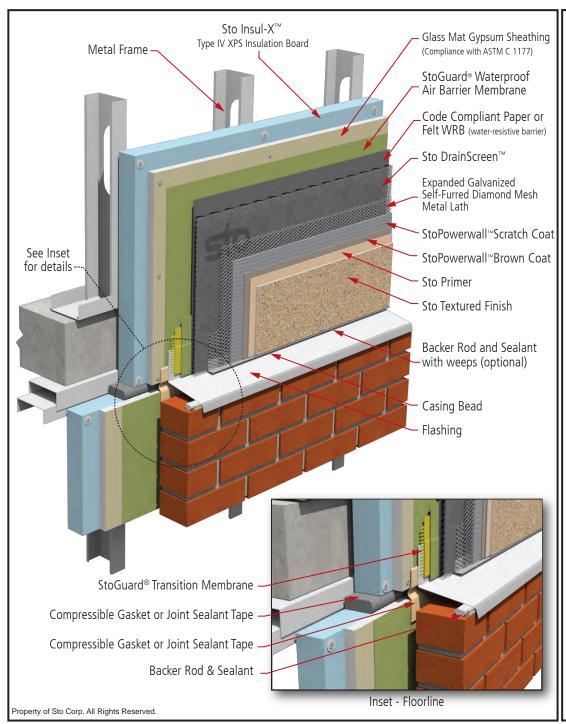
www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.



StoPowerwall® ci Horizontal Joint at Dissimilar Material

ATTENTION



Notes:

1. StoGuard® Transition Membrane options:

Detail No.: 62s.10

Date: January 2015

- a. StoGuard® RapidSeal® with StoGuard® Mesh
- b. Sto Gold Fill® with StoGuard®
- 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 $^{\scriptscriptstyle{\text{TM}}}$ (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 for complete information on Sto products. Refer to StoGuard® Waterproof Air Barrier detail series 20.XX for information on detailing with StoGuard®.
- 5. 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®.
- 6. IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

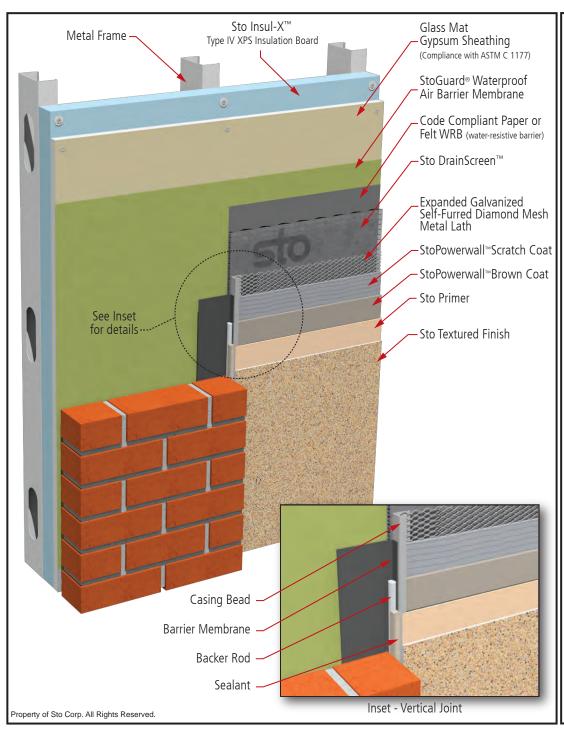
IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its



StoPowerwall® ci Vertical Joint at Dissimilar Material



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])

Detail No.: 62s.11

Date: January 2015

- 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

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.

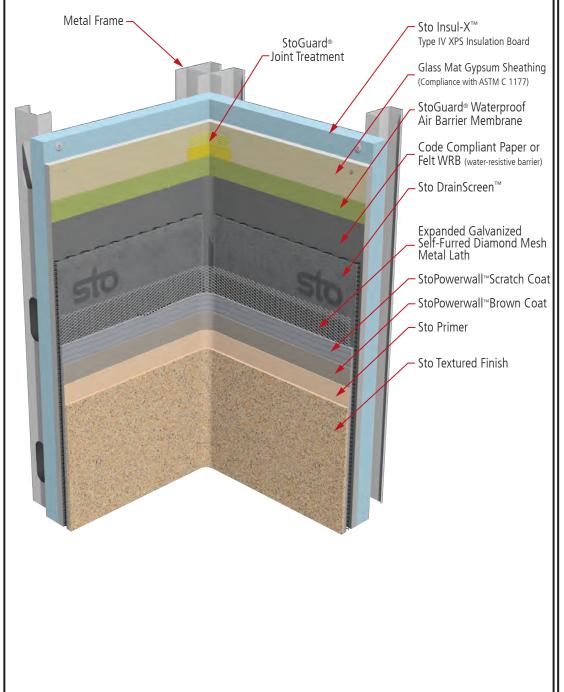
ATTENTION www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.



StoPowerwall® ci Vertical Joint at Inside Corner: Common Substrate

Property of Sto Corp. All Rights Reserved.



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 \leq 1/8 inch [3 mm])

Detail No.: 62s.12

Date: January 2015

- 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. Water-Resistive Barrier: Minimum #15 grade D building paper.
- 5. 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®.
- 6. IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

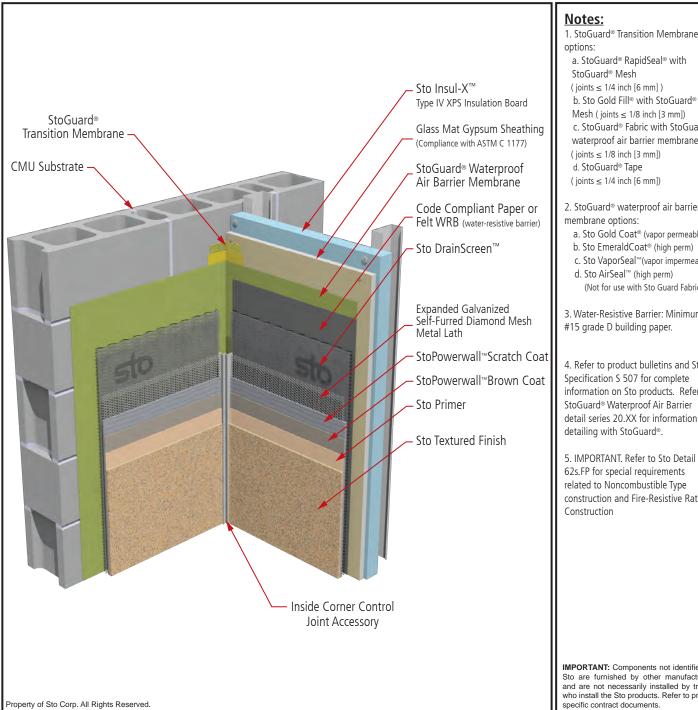
IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

ATTENTION www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.



StoPowerwall® ci Vertical Joint at Inside Corner: Different Substrate



1. StoGuard® Transition Membrane

Detail No.: 62s.13

Date: January 2015

- a. StoGuard® RapidSeal® with StoGuard® Mesh
- (joints $\leq 1/4$ inch [6 mm])
- b. Sto Gold Fill® with StoGuard®
- c. StoGuard® Fabric with StoGuard® waterproof air barrier membrane
- (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®.
- 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated

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.

www.stocorp.com

ATTENTION Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or

components

STO CORP. DISCLAIMS ALL WARRANTIES EXPRESSED OR IMPLIED EXCEPT FOR EXPLICIT LIMITED WRITTEN WARRANTIES ISSUED TO AND ACCEPTED BY BUILDING OWNERS IN ACCORDANCE WITH STO'S WARRANTY PROGRAMS WHICH ARE SUBJECT TO CHANGE FROM TIME TO TIME. For the fullest, most current information on proper application, clean-up, mixing and other specifications and warranties, cautions and disclaimers, please refer to the Sto Corp, website, www.stocorp.com.

builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its



StoPowerwall® ci Outside Corner: Common Substrate

Sto Insul-X™ Metal Frame Type IV XPS Insulation Board StoGuard® Joint Treatment 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 Property of Sto Corp. All Rights Reserved.

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])

Detail No.: 62s.14

Date: January 2015

- 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

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.

ATTENTION www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.



Sto®Powerwall® ci Termination at Parapet

Cap Flashing Cap Attachment Roof Membrane Cleat & Sealant StoGuard® Joint Treatment Blocking Glass Mat Gypsum Sheathing (Compliance with ASTM C 1177) Sto Insul-X™ Sto DrainScreen™ Code Compliant Paper or Felt WRB (water-resistive barrier) StoGuard® Waterproof Air Barrier Membrane Metal Frame Sto Textured Finish Sto Primer StoPowerwall™Scratch Coat StoPowerwall™ with Expanded Galvanized **Brown Coat** Self-Furred Diamond Mesh Metal Lath Property of Sto Corp. All Rights Reserved.

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])

Detail No.: 62s.15

Date: January 2015

- 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

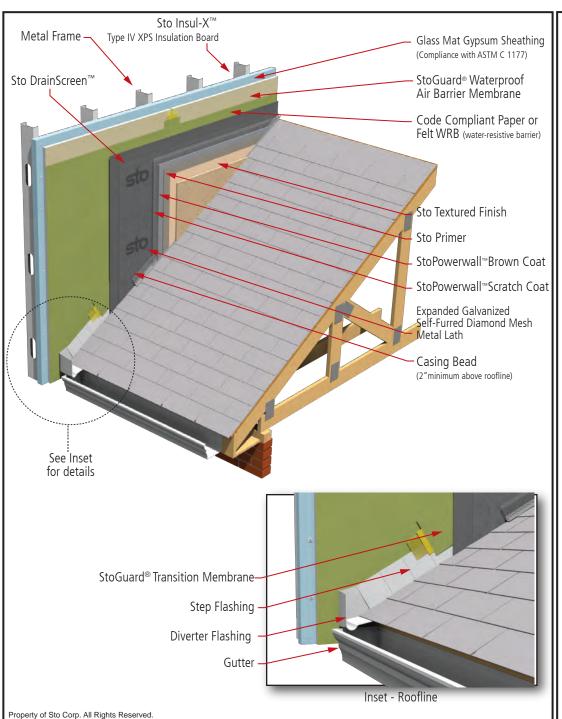
IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

ATTENTION www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.



Sto®Powerwall® ci Roof/Wall Abutment



Notes:

1. StoGuard® Transition Membrane options:

Detail No.: 62s.16

Date: January 2015

- 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 $^{\mathsf{TM}}$ (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

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.

ATTENTION www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.



StoPowerwall® ci Saddle Flashing

Sto Insul-X™ Metal Frame StoGuard® Waterproof Air Barrier Membrane Type IV XPS Insulation Board Glass Mat Gypsum Sheathing StoGuard® (Compliance with ASTM C 1177) Transition Membrane Code Compliant Paper or Felt WRB (water-resistive barrier) Sto DrainScreen™ **Expanded Galvanized** Self-Furred Diamond Mesh Metal Lath StoPowerwall™Scratch Coat See Page 2 for StoPowerwall™Brown Coat Flashing Assembly details Sto Primer Sto Textured Finish Weep Screed or Flashing Saddle Flashing Assembly (see Page 2) Parapet Cap Flashing Barrier Membrane Casing Bead See Page 2 for StoGuard® Installation on Parapet details Casing Bead Backer Rod and Sealant Property of Sto Corp. All Rights Reserved.

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®
- 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 $^{\scriptscriptstyle{\text{TM}}}$ (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

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.

ATTENTION www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.



StoPowerwall®EnergyGuard™ Saddle Flashing

ATTENTION

Step 1 Turnout Flanges (to match the thickness of the component layers to the finished surface plus 1/4" (6mm)) Upturned Flange Step 2 Glass Mat Gypsum Sheathing (Compliance with ASTM C 1177) Interlocking Legs StoGuard® Waterproof Air Barrier Membrane StoGuard® Joint Treatment IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction Property of Sto Corp. All Rights Reserved.

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:
 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
- 2. StoGuard® waterproof air barrier membrane options:

(joints $\leq 1/8$ inch [3 mm])

- 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. 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®.

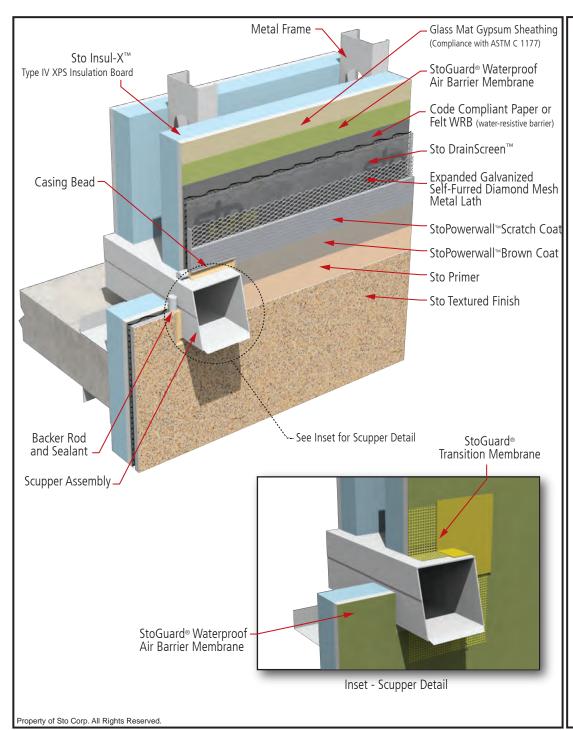
IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.



Sto®Powerwall® ci Scupper Penetration Through Wall



Notes:

1. StoGuard® Transition Membrane options:

Detail No.: 62s.18

Date: January 2015

- a. StoGuard® RapidSeal® with StoGuard® Mesh
- (joints $\leq 1/4$ 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 \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

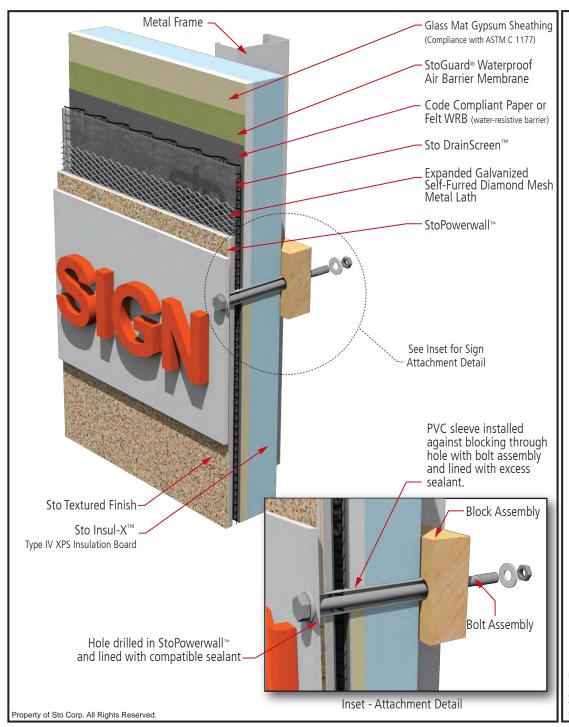
IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

ATTENTION www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.



Sto®Powerwall® ci Sign Attachment



Notes:

1. StoGuard® waterproof air barrier membrane options:

Detail No.: 62s.19

Date: January 2015

- 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

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.

ATTENTION www.stocorp.com

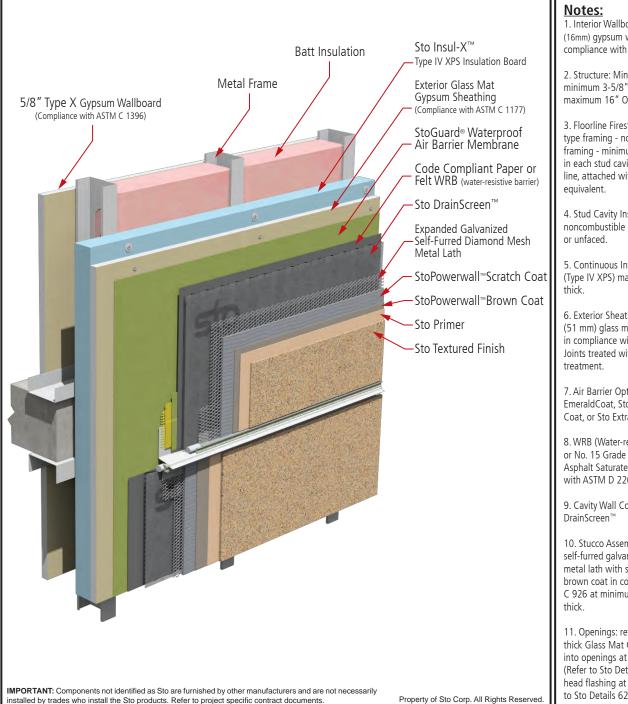
Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.



Sto Powerwall® ci

ATTENTION

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



1. Interior Wallboard: minimum 5/8" (16mm) gypsum wallboard in compliance with ASTM C 1396.

Detail No.: 62s.FP

Date: January 2015

- 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
- 4. Stud Cavity Insulation: none, or any noncombustible batt insulation, faced
- 5. Continuous Insulation: Sto Insul-X, (Type IV XPS) maximum 3" (76 mm)
- 6. Exterior Sheathing: minimum 1/2" (51 mm) glass mat gypsum sheathing in compliance with ASTM C 1177. Joints treated with StoGuard® joint
- 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
- 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)
- 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).

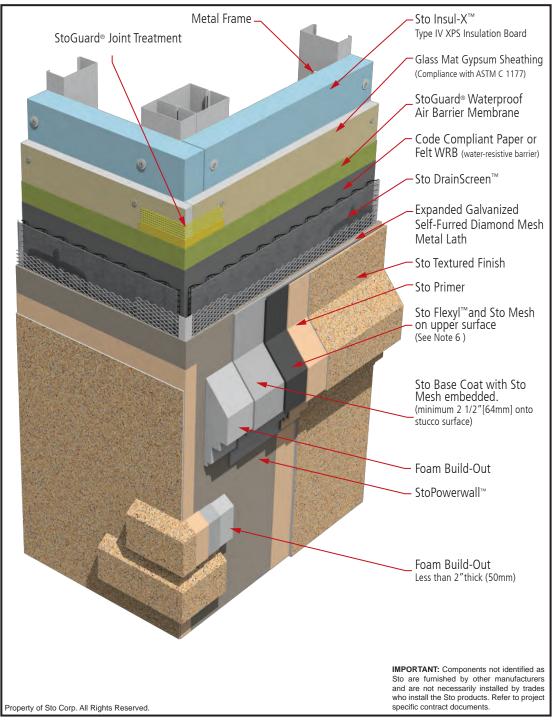
www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its



Sto®Powerwall® ci Foam Buildouts

ATTENTION



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])

Detail No.: 62s.20

Date: January 2015

- 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. The maximum thickness of foam plastic insulation allowed by code is typically 4" (100mm).
- 5. The exposed surface must have a minimum slope of 1:2 (27°). In locations where ice and snow may accumulate, increase the slope.
- 6. Provide Sto Flexyl[™] and mesh on upper surfaces of foam features projecting more than 2"(50mm) from the stucco surface. Feather edges into stucco
- 7. 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®.
- 8. IMPORTANT. Refer to Sto Detail 62s.FP for special requirements related to Noncombustible Type construction and Fire-Resistive Rated Construction

www.stocorp.com

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, of for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.