

StoQuik[®] Finish System for ICF Insulated Concrete Forms

Detail Booklet

Series 17.xx | November 2022

Facades



Direct Applied
Finish Systems (DEFS)

StoQuik[®] Finish System for Insulated Concrete Forms (ICF) is a decorative and protective direct applied, above grade, acrylic based textured finish system over ASTM C 578 Type I, II, or IV compliant molded EPS insulation wall forms. Sto's high performance finishes provide a handsome aesthetic and a durable exterior skin.

StoQuik[®] Finish System for Insulated Concrete Forms can be used in residential or commercial wall construction.



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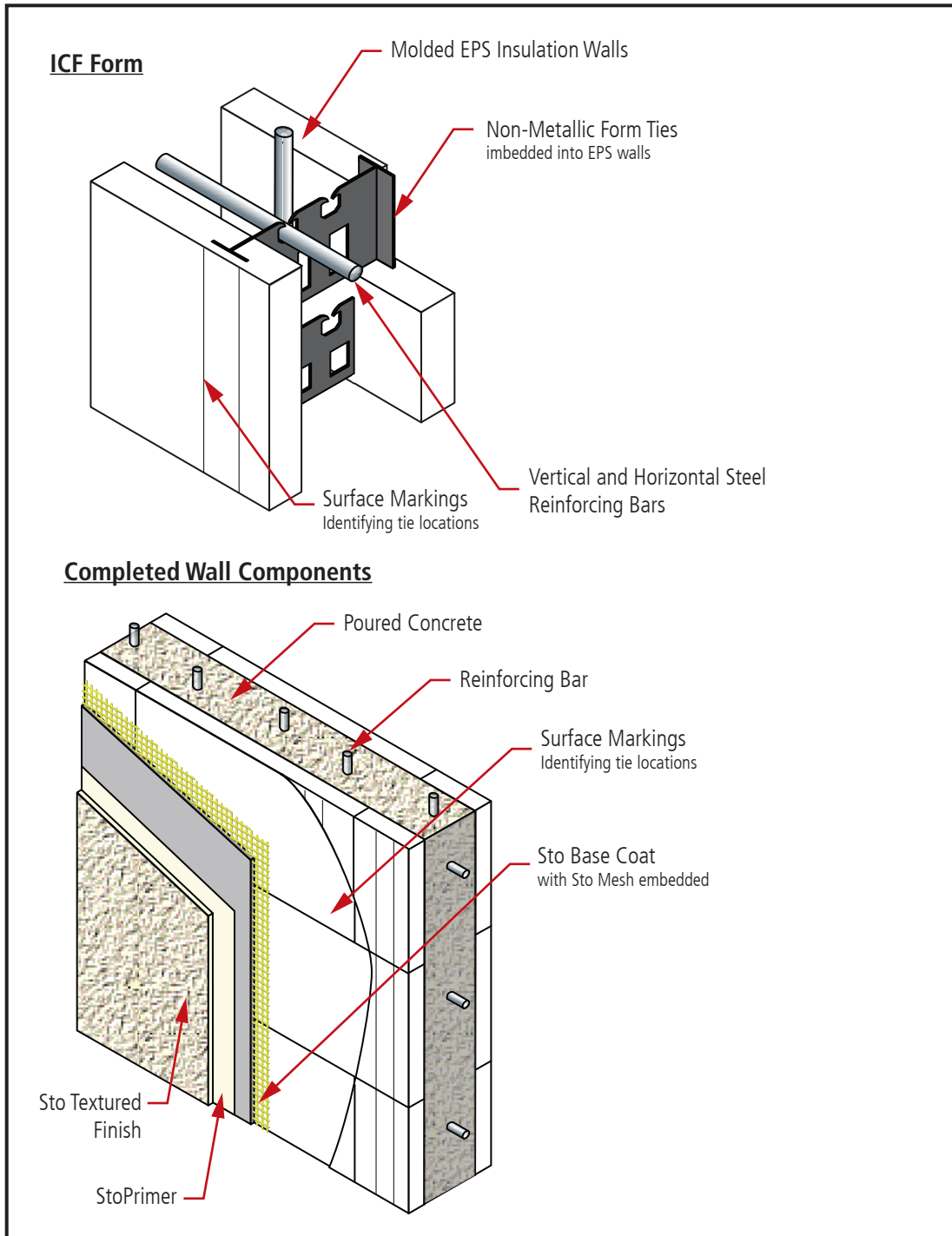
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StoQuik® Finish System for Insulated Concrete Forms (ICF) Components

Detail No.: 17.01
Date: November 2022



Notes:

1. Refer to System Specifications and System Bulletin for more information and design guidance on wall assembly components.
2. Forms suitable for direct application coatings have imbedded, non-metallic form ties positioned a minimum 1/2" (13 mm) from the outer surface.
3. The forms are molded 1.5 pcf, Expanded Polystyrene insulation (EPS)
4. Rasping the foam surface to provide a level surface for coatings shall not expose the form ties.
5. ICFs that differ from the above may be completed by adding:
 - a) 1" (25 mm) EPS insulation and EIFS coatings
 - b) Metal Lath and StoPowerwall Stucco, Sto Primer and Sto Finish.
6. Concrete shall be allowed to cure for a minimum of 28 days prior to application of Sto coating materials.
7. 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.

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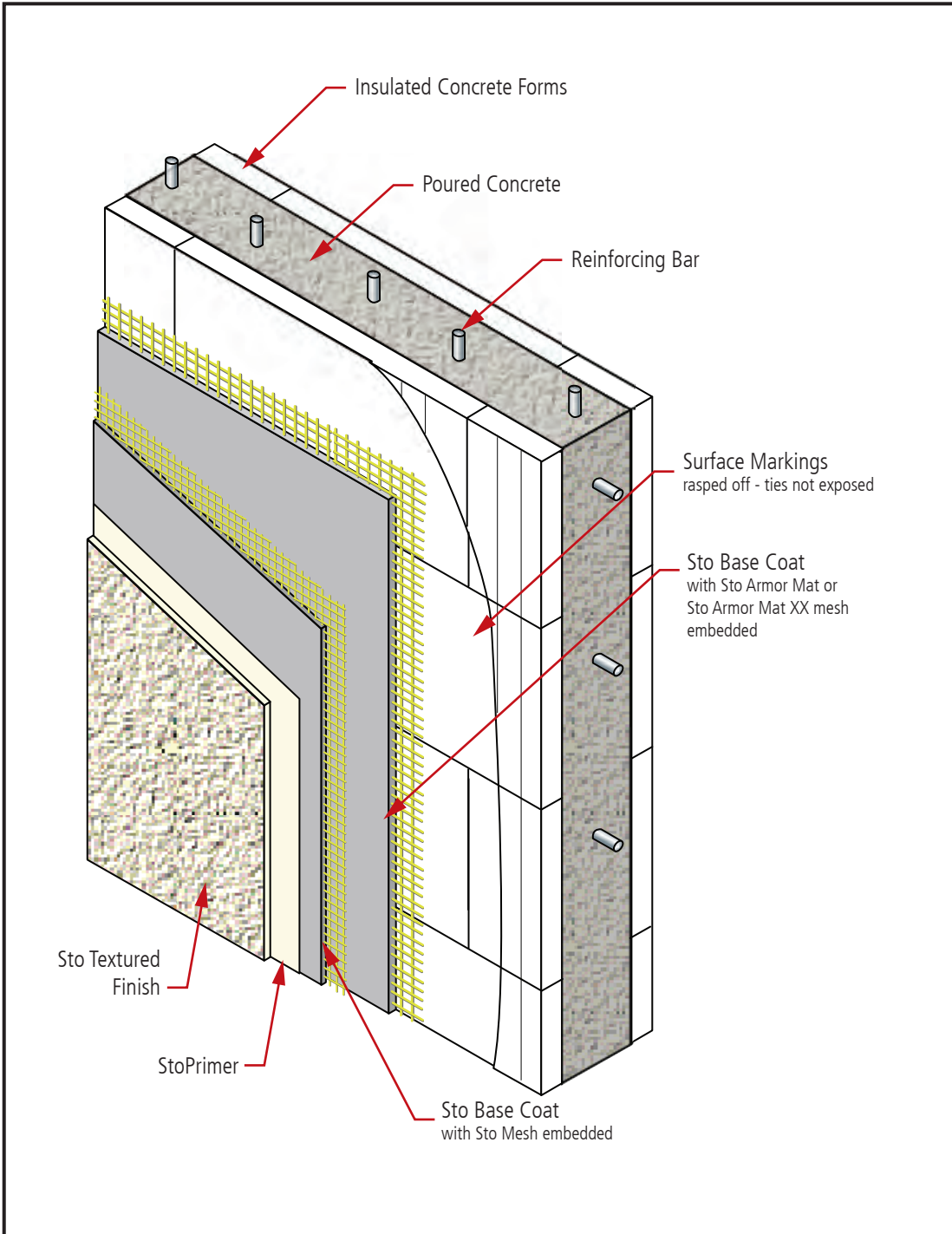
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StoQuik® Finish System for Insulated Concrete Forms (ICF) Components: High Impact Resistance

Detail No.: 17.02
Date: November 2022



- Notes:**
1. Refer to System Specifications and System Bulletin for more information and design guidance on wall assembly components.
 2. Apply Sto Base Coat and immediately trowel in Sto Armor Mat or Sto XX Armor Mat as per Sto specifications. Allow to cure a minimum 24 hours.
 3. Concrete shall be allowed to cure for a minimum of 28 days prior to application of Sto coating materials.
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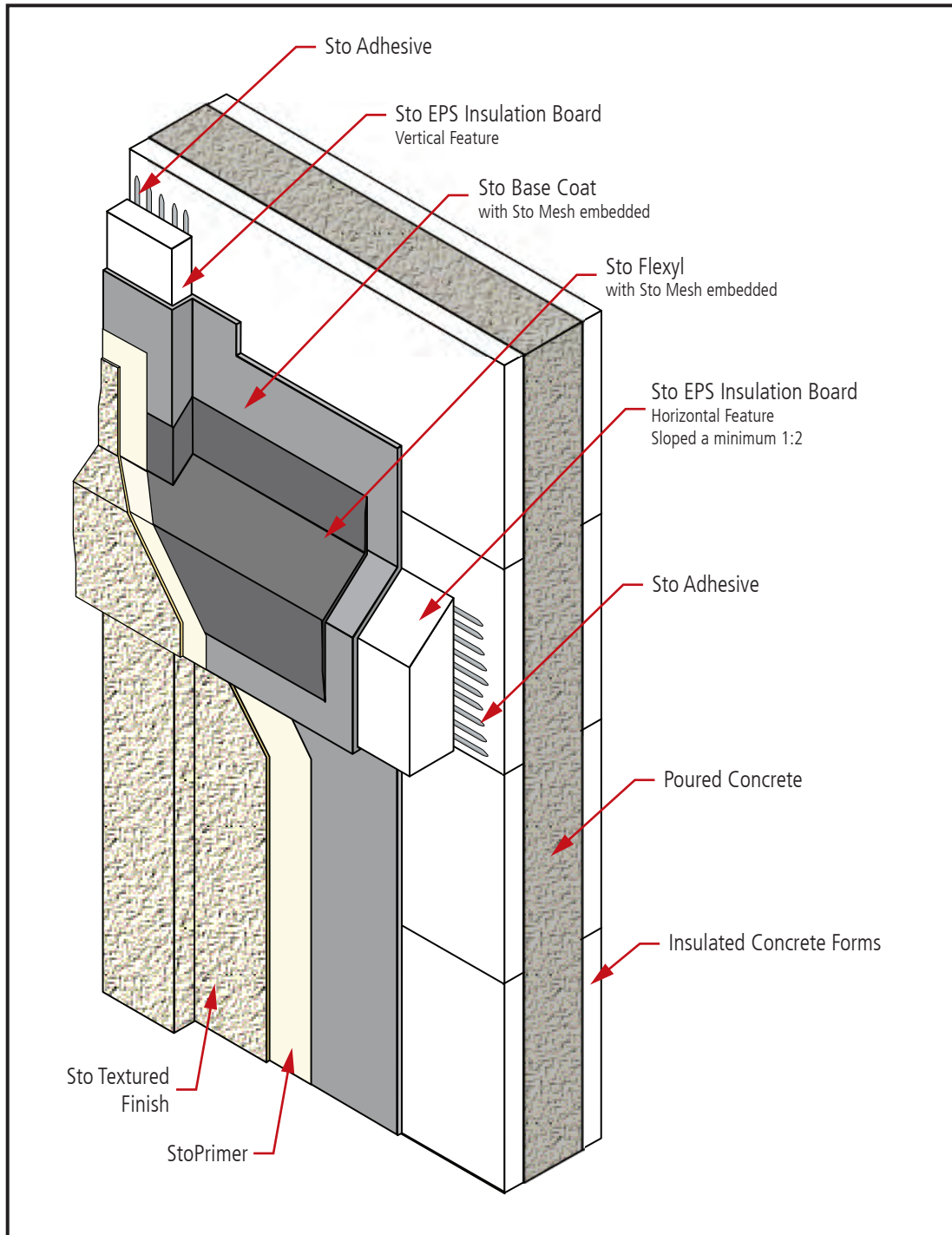
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StoQuik® Finish System for Insulated Concrete Forms (ICF) Features

Detail No.: 17.06

Date: November 2022



Notes:

1. Refer to System Specifications and System Bulletin for more information and design guidance on wall assembly components.
2. Add features using Sto EPS Insulation Board foam shapes bonded to the ICFs with Sto BTS Plus, Primer/Adhesive-B or Sto Dispersion Adhesive.
3. Install Sto Flexyl and Sto Mesh over weather exposed sloped surfaces and lapping onto the vertical surface 4" to 6" (100 to 150 mm). Sto Watertight Coat is an acceptable substitute for Sto Flexyl.
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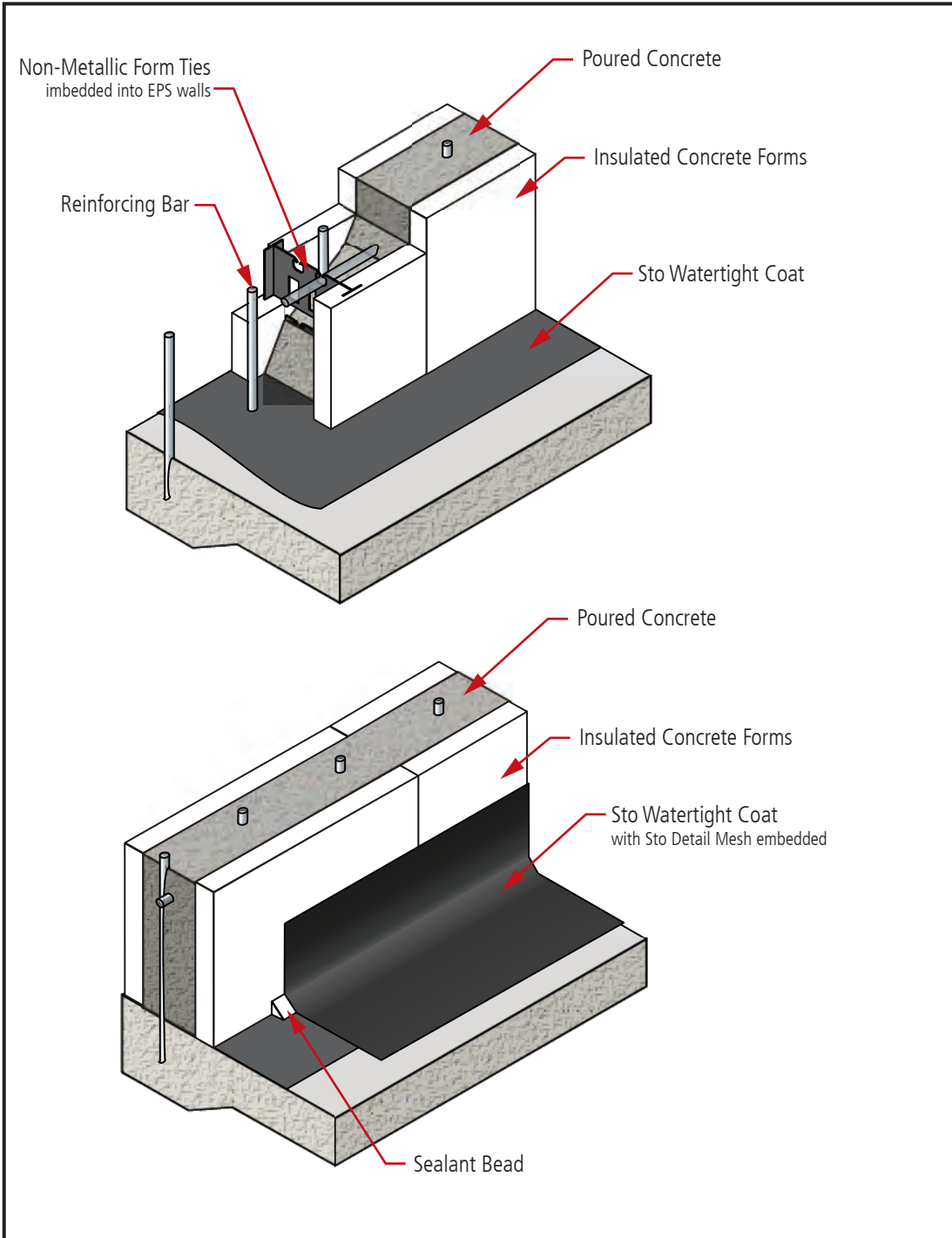
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StoQuik® Finish System for Insulated Concrete Forms (ICF) Interior Foundation Protection

Detail No.: 17.10
Date: November 2022



Notes:

1. Refer to System Specifications and System Bulletin for more information and design guidance on wall assembly components.
2. Allow the concrete slab to cure for 7 (minimum) to 28 days. Install an application of Sto Watertight Coat* to the prepared concrete around the perimeter of the foundation sealing around the reinforcing bars set in the foundation.
3. Install the ICF wall, pouring the concrete onto the Sto Watertight Coat. Sto Flexyl is an acceptable substitute for Sto Watertight Coat.
4. Allow the concrete in the ICF to cure for a minimum 28 days.
5. Install a second application of Sto Watertight Coat and Sto Detail Mesh over the initial application and up the wall to the desired height. Use a sealant bead at the base of the wall.
6. Provide protection board and drainage around foundation perimeter.
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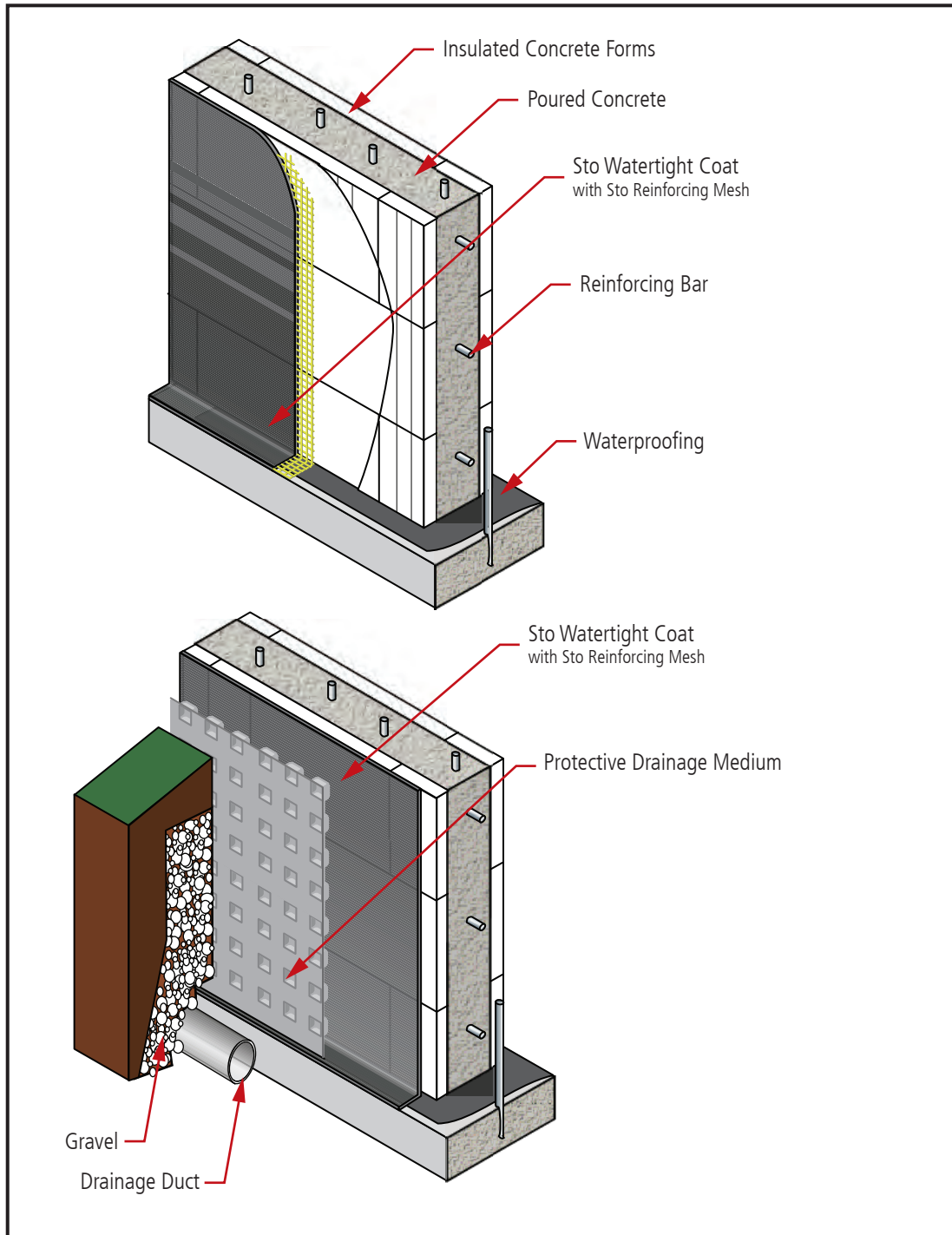
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StoQuik® Finish System for Insulated Concrete Forms (ICF) Below Grade Components

Detail No.: 17.11

Date: November 2022



Notes:

1. Refer to System Specifications and System Bulletin for more information and design guidance on wall assembly components.
2. Concrete shall be allowed to cure for a minimum of 28 days prior to application of Sto coating materials.
3. Rasp ICF so that the surface is smooth and free of form markings.
4. Apply Sto Watertight Coat to the ICF and onto the footing. Immediately embed Sto Reinforcing Mesh.
5. Install a protective drainage medium over the waterproofed form to allow for free drainage and to protect the ICF from back-filling damage.
6. Consult ICF manufacturer and the local code authority having jurisdiction for requirements related to control of termites and other insects.
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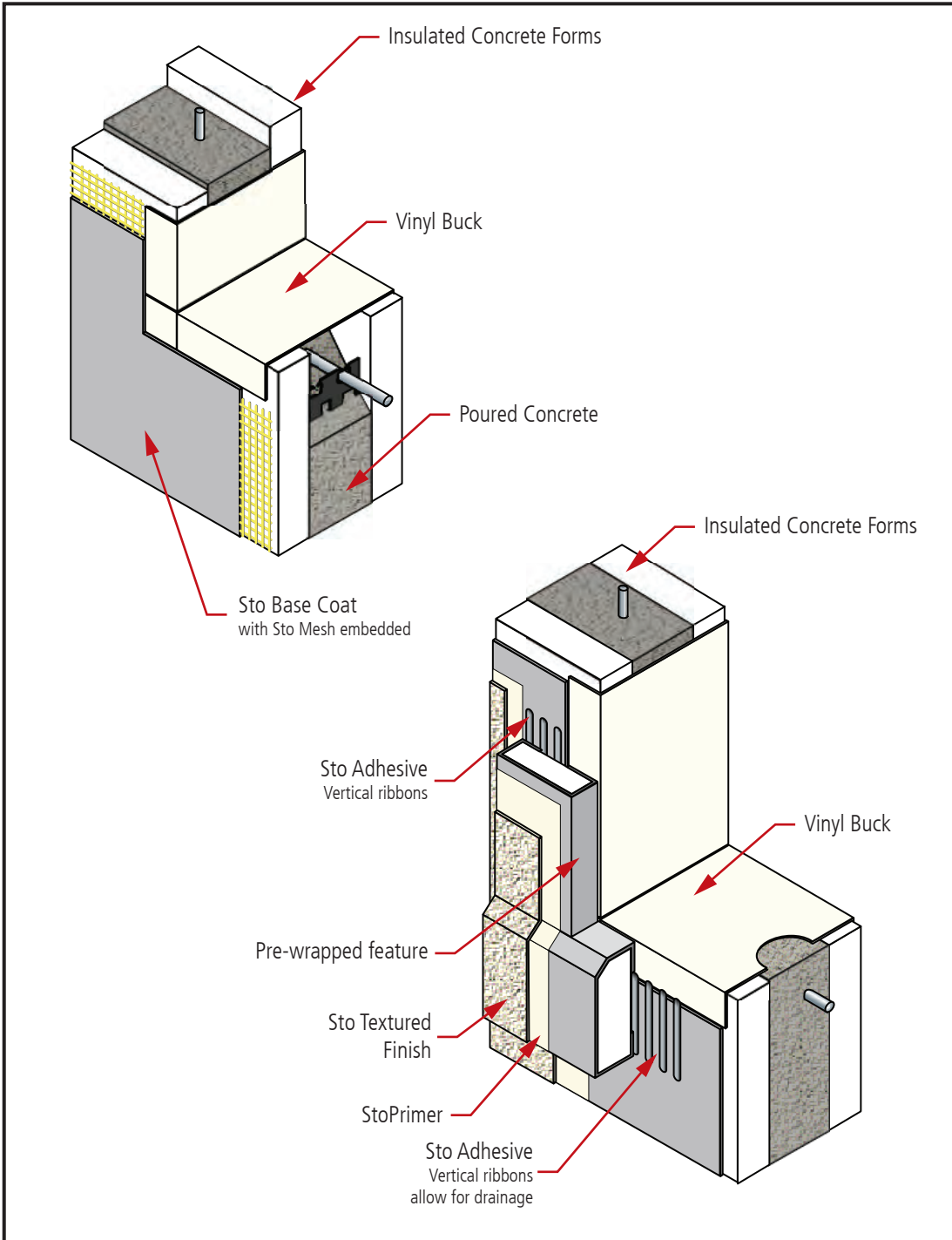
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StoQuik® Finish System for Insulated Concrete Forms (ICF) Residential Window Sill

Detail No.: 17.23

Date: November 2022



Notes:

1. Refer to System Specifications and System Bulletin for more information and design guidance on wall assembly components.
2. Detail does not illustrate the installation of the window, flashing or other opening protection required by code.
3. Install Sto Base Coat and Mesh over the ICF up to the vinyl buck flange.
4. If the selected window has a nailing flange, install the window and appropriate flashing ahead of the feature trim around the window.
5. Install the pre-wrapped feature around the window using vertical ribbons of adhesive. Allow drainage below the sill feature.
6. Non-flanged windows and flashing may be installed after the feature trim is installed.
7. Limit dimension of vinyl buck to no more than 20% of feature width.
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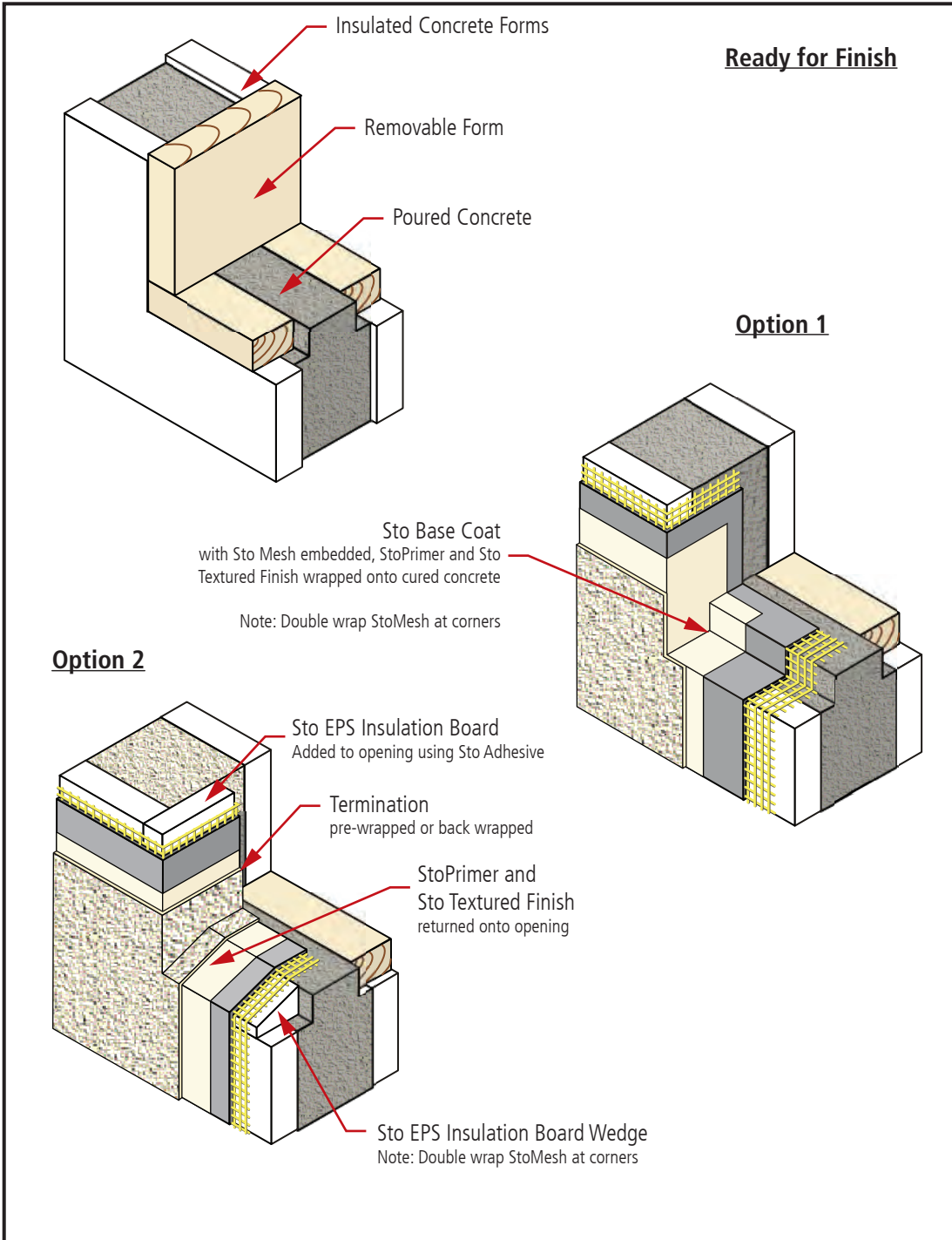
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StoQuik® Finish System for Insulated Concrete Forms (ICF) Finished Opening - Sill

Detail No.: 17.25
Date: November 2022



Notes:

1. Refer to System Specifications and System Bulletin for more information and design guidance on wall assembly components.

2. Detail does not illustrate the installation of the window, flashing or other opening protection required by code.

Option 1

3. Install Sto Base Coat and Sto Mesh lapping onto concrete a minimum 4" (100 mm).

4. Apply StoPrimer and Sto Textured Finish as specified.

Option 2

5. Install Sto EPS insulation board into the opening using Sto Adhesive. Prewrap the insulation with Sto Base Coat and Sto Mesh or back-wrap. Apply StoPrimer and Sto Textured Finish as specified.

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