

- (06) Siplast PS-715 NS Elastomeric Sealant
- (28) Soil Retention System
- (61) Siplast Parafast Fasteners and Plates
- (70) Siplast TeraPROOF 10-11 Drainage Mat
- (71) Siplast Pro Fleece
- (72) Siplast TeraPROOF Protection CS1000
- (81) Siplast TeraPROOF STP Liquid Membrane
- (82) Siplast TeraPROOF Pre-Applied V-SBS Membrane
- (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane
- (88) Concrete Waterstop
- ⟨100⟩ #57 stone
- ⟨101⟩ Concrete Structure
- (103) Sub Grade

Refer to TeraPROOF Installer's Guide for detailed instructions regarding the specific products, personal protection, storage, handling, relevant codes, installation tools, substrate preparation, and general application guidelines. Coordinate installation of Siplast TeraPROOF products with the adjoining and subsequent trades to ensure compatibility and continuity with the roofing, waterproofing, and above-grade facade systems.

- 1. Over a leveled and compacted base of \(\)100\ #57 stone and \(\)103\ Sub Grade, the \(\)72\ Siplast

 TeraPROOF Protection CS1000 is applied with edges overlapped 3 inches and unrolled in a perpendicular direction to the subsequent \(\)83\ Siplast TeraPROOF Pre-Applied H-SBS Membrane.
- 2. With the filter fabric facing the 〈28〉 Soil Retention System, fasten the 〈70〉 Siplast TeraPROOF 10-11 Drainage Mat with a minimum of three 〈61〉 Siplast Parafast Fasteners and Plates with #12 fasteners and 2 inch seam plates per sheet per roll along the top, and overlap each roll using the side fabric flange. In the field of the mat install fasteners with seam plates at a maximum 24 in on center frequency.
- 3. Fasten the <82> Siplast TeraPROOF Pre-Applied V-SBS Membrane into the lagging 3 inches down from the top edge of the roll with a minimum of three <61> Siplast Parafast Fasteners and Plates with #12 fasteners and 2 inch seam plates per sheet width and at a maximum 24 in on center frequency. Continue with subsequent rolls in the same manner while overlapping side and end laps of the previous roll. Heat weld all side and end laps with½ inch minimum bleed out. At the base of the wall the vertical membrane overlaps onto the <72> Siplast TeraPROOF Protection CS1000 and extends horizontally at least 6 inches beyond the corner.
- 4. Prior to installation, unroll **\sumsature{83}** Siplast TeraPROOF Pre-Applied H-SBS Membrane and allow it to relax. Loose lay the membrane to the desired position, then use a heat welding device to seal the laps. The membrane side laps are to be overlapped and heat welded a minimum of 4 inches. The membrane end laps are to be overlapped and heat welded a minimum of 6 inches. Offset adjacent end laps a minimum of 3 feet. For additional requirements, see Detail 07.11 Pre-Applied SBS Lap and Heat Welding Diagrams.
- 5. When changing planes at all corners, continue overlapping the Siplast TeraPROOF SBS Pre-Applied membrane at least 6 inches beyond the corner in both directions. Ensure the second layer Siplast TeraPROOF SBS Pre-Applied membrane is heat welded for the entire overlap area to the layer below. For inside corner areas ensure there is no void behind the membrane into the corner, to remove a void, an optional ¾ inch cant bead of <06 > Siplast PS-715 NS Elastomeric Sealant or a compatible approved sealant can be in the corner of the lapped membranes. Then apply <83 > Siplast TeraPROOF Pre-Applied H-SBS Membrane reinforcement to the corner area a minimum of 12 inches in each direction of previously installed membranes. Fully heat weld reinforcing strips in place. Refer to Detail 07.12 Pre-Applied SBS Corner Reinforcement Fabrication Diagram for fabrication of inside and outside corners. See views A, B, and C of this detail for proper overlaps of inside and outside corners
- 6. Apply **\langle 88 \rangle Concrete Waterstops** at all concrete joints in the **\langle 101 \rangle Concrete Structure** per the specifications and manufacturer's instructions.
- Treat penetrations and tie-back covers with (81) Siplast TeraPROOF STP Liquid Membrane and
- (71) Siplast Pro Fleece reinforcement fabric. For additional requirements, see the following:

Detail 07.13 Pre-Applied SBS - Floor and Wall Penetration Flashing for Floor and Wall Penetrations Detail 07.18 Pre-Applied SBS - Tie-Back Cover

Proper application is the responsibility of the installation professional. Surface preparation, substrate adhesion, proper installation, and other variables outside of the manufacturers control are the sole responsibility of the user. Any field visits by Siplast representatives are solely for the administration of Siplasts guarantee program.

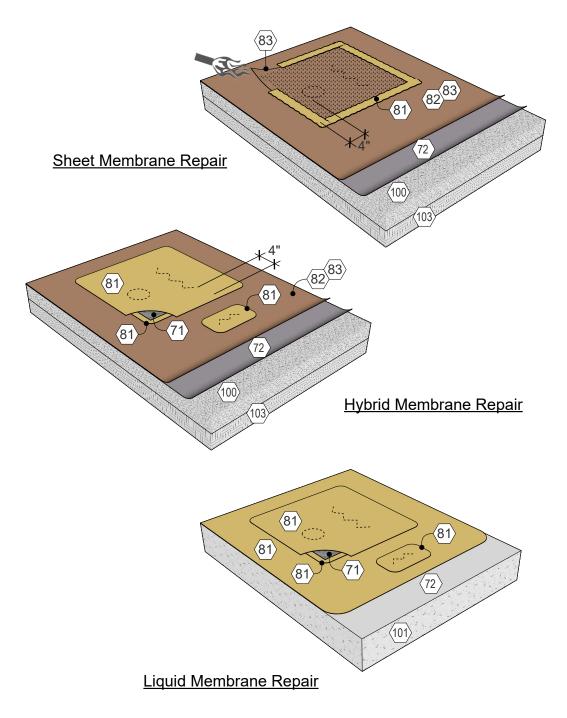
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Pre-Applied SBS - Application Overview

SET ID

11/03/25

SHEET NO. 07.10



- (71) Siplast Pro Fleece
- (72) Siplast TeraPROOF Protection CS1000
- (81) Siplast TeraPROOF STP Liquid Membrane
- (82) Siplast TeraPROOF Pre-Applied V-SBS Membrane
- (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane
- ⟨100⟩ #57 stone
- (101) Concrete Structure
- (103) Sub Grade

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Ensure the area surrounding the damage is installed following Detail 07.10 Pre-Applied SBS -Application Overview including the following materials: (72) Siplast TeraPROOF Protection CS1000, \(\lambda\) #57 stone, \(\lambda\) structural concrete, and \(\lambda\) Sub-grade.

Liquid Patch Option

- Before applying the \(\text{81} \) TeraPROOF STP Liquid Membrane, pre-cut the \(\text{71} \) Siplast Pro Fleece reinforcement fabric to conform to flashings. Cut the reinforcement fabric to ensure the (81) TeraPROOF STP Liquid Membrane is fully reinforced and overlapped at cuts, side-laps, and endlaps to eliminate skips or breaks in the reinforcement.
- Apply 60 mils (1.5 mm) of (81) Siplast TeraPROOF STP Liquid Membrane to damaged areas. pinholes, or test cut areas on the (82) Siplast TeraPROOF Pre-Applied V-SBS Membrane, (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane, or (81) TeraPROOF STP Liquid Membrane and ensure the application extends a minimum of 4 inches (100 mm) beyond the affected area.
- Immediately place a piece of (71) Siplast Pro Fleece reinforcement fabric into the still wet <81> TeraPROOF STP Liquid Membrane. Work the reinforcement fabric into the <81> TeraPROOF STP Liquid Membrane to prevent wrinkles. Ensure that the \langle 71 \rangle Siplast Pro Fleece reinforcement fabric is adequately saturated and free of dry/unsaturated reinforcement fabric, voids, air pockets, and wrinkles using recommended tools.
- Apply a second coat of (81) Siplast TeraPROOF STP Liquid Membrane 60 mils (1.5 mm) thick over the $\langle 71 \rangle$ Siplast Pro Fleece reinforcement fabric extending a minimum of 1/4 inch (6 mm) beyond the reinforcement fabric.

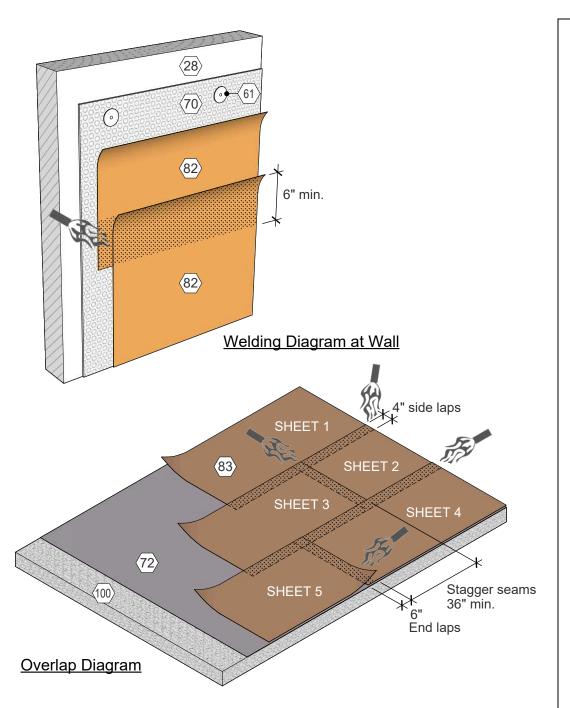
Membrane Patch Option

- The membrane patch option is only recommended for repairs to the \langle 82 \rangle Siplast TeraPROOF Pre-Applied V-SBS Membrane or (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane. Heat weld a piece of (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane to any damaged areas or test cut areas and ensure it extends a minimum of 4 inches (100 mm) beyond the affected area.
- Treat perimeter edges of the \(83 \) Siplast TeraPROOF Pre-Applied H-SBS Membrane with (81) Siplast TeraPROOF STP Liquid Membrane and tool across the edges using a brush or trowel to a minimum thickness of 60 mils (1.5 mm) wet, extending a minimum of 1/4 inch (6 mm) beyond the repaired area.

TITLE Pre-Applied SBS - Membrane Repairs SET ID

SHEET NO.

11/03/25 07.1R



- (28) Soil Retention System
- (61) Siplast Parafast Fasteners and Plates
- (70) Siplast TeraPROOF 10-11 Drainage Mat
- ⟨72⟩ Siplast TeraPROOF Protection CS1000
- (82) Siplast TeraPROOF Pre-Applied V-SBS Membrane
- ⟨100⟩ #57 stone
- ⟨103⟩ Sub Grade

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1. Install the area surrounding the penetration with \(82 \) Siplast TeraPROOF Pre-Applied V-SBS Membrane or \(83 \) Siplast TeraPROOF Pre-Applied H-SBS Membrane following Detail 07.10 including the following materials:

Wall Application: (28) Soil Retention System, (70) Siplast TeraPROOF 10-11 Drainage Mat, (61) Siplast Parafast Fasteners and Plates.

Floor Application: <72> Siplast TeraPROOF Protection CS1000, <100> #57 stone, <103> Sub-grade.

Welding Diagram at Wall

- 1. The <82> Siplast TeraPROOF Pre-Applied V-SBS Membrane is secured over the <70> Siplast TeraPROOF 10-11 Drainage Mat.
- 2. Using a heat welding device, seal all laps. The membrane side laps are to be overlapped and heat welded a minimum of 4 inches. The membrane end laps are to be overlapped and heat welded a minimum of 6 inches. Offset adjacent end laps a minimum of 3 feet.
- 3. Roll or trowel the seam leaving a minimum $\frac{1}{2}$ inch bleed out onto the adjacent membrane

Overlaps at Floor / Horizontal areas

- 1. After the installation of <72> Siplast TeraPROOF Protection CS1000, unroll the <83> Siplast TeraPROOF Pre-Applied H-SBS Membrane and allow it to relax. Loose lay the membrane to the desired position.
- 2. Install the next roll of **\(\frac{83} \) TeraPROOF Pre-Applied H-SBS Membrane** overlapping and heat welding up to the pre-marked 4-inch line marked on the adjacent sheet.
- 3. The membrane side laps are to be overlapped and heat welded a minimum of 4 inches. The membrane end laps are to be overlapped and heat welded a minimum of 6 inches. Offset adjacent end laps a minimum of 3 feet. Roll or trowel the seams with a minimum 40 lb. roller leaving a minimum ½ inch bleed out onto the adjacent membrane

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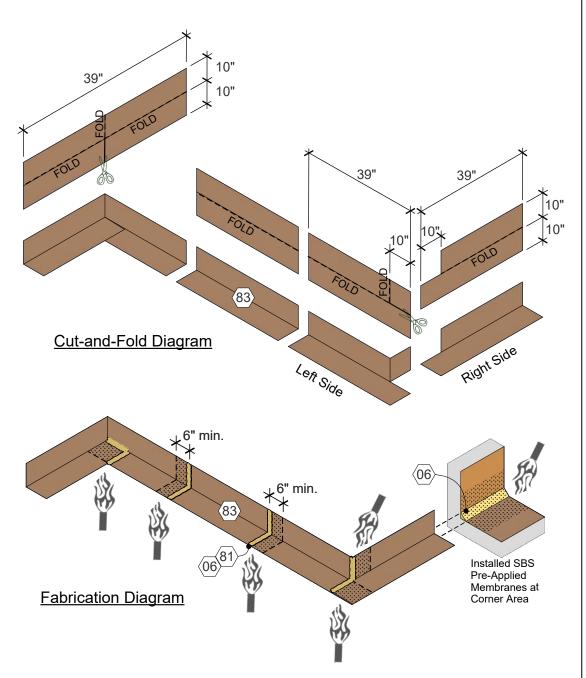
TITLE

Pre-Applied SBS - Lap and Heat Welding Diagrams

SET ID

SHEET NO.

11/04/25



- (06) Siplast PS-715 NS Elastomeric Sealant
- (81) Siplast TeraPROOF STP Liquid Membrane
- (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane

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- When changing planes at all corners, continue overlapping the Siplast TeraPROOF SBS Pre-Applied membrane at least 6 inches beyond the corner in both directions.
- Pre-cut and form inside and outside corners reinforcement using (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane as applicable:

Horizontal to Vertical - Inside Corner Fabrication

Cut a 20 inch wide x 39 inch (minimum) long piece of (83) Siplast TeraPROOF Pre-Applied H-

SBS Membrane.

- Fold the membrane in both the long and short directions evenly at the centerline to crease the membrane.
- At the center of the short direction crease, make a 10 inch cut along the crease up from the bottom of the membrane stopping the cut at the center horizontal crease line.
- Fold the membrane at 90 degrees in both the long and short direction crease to create the inside corner, allowing the bottom legs to overlap into the corner area at the cut.

Horizontal to Vertical - Outside Corner Fabrication

- Cut two (left and right side) pieces 20 inch wide x 39 inch (minimum) long of (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane
- Fold both membranes in the long direction evenly at the centerline to crease the membrane.
- Left Side Piece: Along the centerline crease from the right side, make a 10 inch long cut. Right Side Piece: Along the centerline crease from the left side, make a 10 inch long cut.

Perpendicular to the crease and from the end of the 10-inch cut, cut from the top of the membrane to remove a 10 inch x 10 inch corner out of the upper left area of the piece.

- Fold the membrane at 90 degrees in the long direction crease.
- Align the end of the horizontal cut lines (10 inches from each outer edge) of both membranes at the outside corner area to combine both pieces to form an outside corner allowing the bottom legs to overlap.
- Fold the loose vertical flap on the left side piece around the corner to complete the folding.

Vertical to Vertical - Inside and Outside Corner Fabrication

- Cut 20-inch wide strips of (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane.
- Fold the corner reinforcement in the long direction evenly at the centerline to crease the membrane.
- Apply the formed corner reinforcement membrane pieces to the corner areas, overlapping 10 inches minimum in each direction onto the installed membrane areas. Each piece of corner reinforcement membranes must overlap the adjacent piece of reinforcement a minimum of 6 inches. NOTE for All Inside Corner Applications:

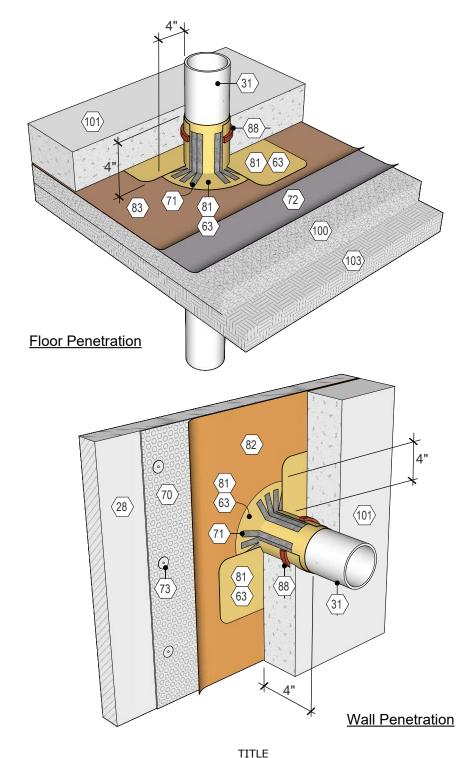
For inside corner areas ensure there is no void behind the membrane into the corner, to remove a void, an optional \(\frac{3}{2} \) inch cant bead of (06) Siplast PS-715 NS Elastomeric Sealant or a compatible approved sealant can be in the corner of the lapped membranes. The cant bead is optional provided both the vertical and horizontal corner reinforcement membranes are at least 6 inches beyond the corner in both directions and the corner reinforcement pieces can be applied without a void beneath, as shown in Detail 07.10 Pre-Applied SBS - Application Overview.

Ensure the corner reinforcement membranes are heat welded for the entire overlap area to the layer below leaving a minimum 1/8" bleed out onto the adjacent membrane, using a trowel, weighted roller, or spatula tool.

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SET ID

SHEET NO. 07.12



- (06) Siplast PS-715 NS Elastomeric Sealant
- (28) Soil Retention System
- ⟨31⟩ Pipe
- (61) Siplast Parafast Fasteners and Plates
- (63) Siplast Parapro PMMA Flashing System
- (64) Roof or waterproofing overburden
- ⟨70⟩ Siplast TeraPROOF 10-11 Drainage Mat
- ⟨71⟩ Siplast Pro Fleece
- (72) Siplast TeraPROOF Protection CS1000
- (81) Siplast TeraPROOF STP Liquid Membrane
- (82) Siplast TeraPROOF Pre-Applied V-SBS Membrane
- (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane
- ⟨100⟩ #57 stone
- (103) Sub Grade

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1. Install the area surrounding the penetration with <82> Siplast TeraPROOF Pre-Applied V-SBS Membrane or <83> Siplast TeraPROOF Pre-Applied H-SBS Membrane following Detail 07.10 Pre-Applied SBS - Application Overview including the following materials:

Wall Application: <28> Soil Retention System, <70> Siplast TeraPROOF 10-11 Drainage Mat, <61> Siplast Parafast Fasteners and Plates.

 $\textit{Floor Application: $$\langle 72\rangle$ Siplast TeraPROOF Protection CS1000, $$\langle 100\rangle$ $$\#57 stone, $$\langle 103\rangle$ Sub-grade.}$

- 2. Ensure <31> pipes, drains, equipment, etc. to be flashed are clean, prepared, and secured to prevent movement, and all gaps and breaks between substrates are sealed using <06> Siplast PS-715 NS Elastomeric Sealant or a compatible approved sealant before applying the TeraPROOF materials.
- 3. Before applying the 〈81〉 TeraPROOF STP Liquid Membrane, pre-cut the 〈71〉 Siplast Pro Fleece reinforcement fabric to conform to penetrations. Cut reinforcing to ensure the 〈81〉 TeraPROOF STP Liquid Membrane is fully reinforced and overlapped at finger-cuts, side-laps, and end-laps to eliminate skips or breaks in the reinforcement.
- 4. For reinforced flashings at pipe penetrations, apply a first coat of 60 mils (1.5 mm) of ⟨81⟩ TeraPROOF STP Liquid Membrane to a minimum of 4 inches (100 mm) on the penetration and a minimum of 4 inches (100 mm) beyond the penetration.
- 5. Immediately place the 〈71〉 **Siplast Pro Fleece** reinforcement fabric into the still wet 〈81〉 **TeraPROOF STP Liquid Membrane.** The reinforcement fabric should cover a minimum of 4 inches (100 mm) on the pipe penetration and a minimum of 4 inches (100 mm) beyond the penetration. Work the reinforcement fabric into the 〈81〉 **TeraPROOF STP Liquid Membrane** to prevent wrinkles. Ensure that the 〈71〉 **Siplast Pro Fleece** reinforcement fabric is adequately saturated and free of "dry" reinforcement, voids, air pockets and wrinkles using recommended tools.
- 6. Apply a second coat of (81) Siplast TeraPROOF STP Liquid Membrane 60 mils (1.5 mm) thick over the (71) Siplast Pro Fleece reinforcement fabric extending a minimum of 1/4 inch (6 mm) beyond the reinforcement fabric.
- 7. Install **\langle 88 \rangle** Concrete Waterstop, ensuring it will sit 2 inches below the surface of the **\langle 101 \rangle** concrete structure when it is placed.

General Notes:

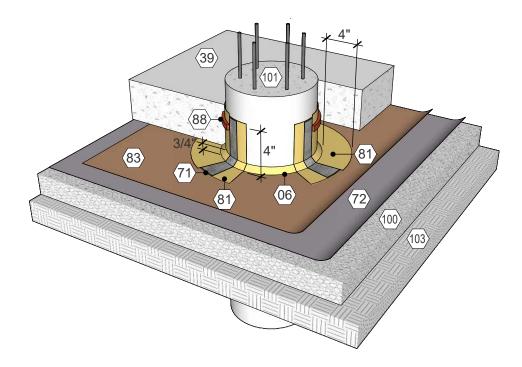
1. Utilizing <63> Siplast Parapro PMMA Flashing Systems is an approved alternate to <81> TeraPROOF STP Liquid Membrane for all the steps in this detail. All additional requirements in the Siplast Parapro Flashing System Installer's Guide must also be followed.

Pre-Applied SBS - Floor and Wall Penetration Flashing

SET ID

11/03/25

SHEET NO. 07.13



- (06) Siplast PS-715 NS Elastomeric Sealant
- (39) Floor Structure
- (71) Siplast Pro Fleece
- (72) Siplast TeraPROOF Protection CS1000
- (81) Siplast TeraPROOF STP Liquid Membrane
- (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane
- (88) Concrete Waterstop
- ⟨100⟩ #57 stone
- (101) Concrete Structure
- ⟨103⟩ Sub Grade

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- 1. Install the area surrounding the penetration with 〈83〉 Siplast TeraPROOF Pre-Applied H-SBS Membrane following Detail 07.10 Pre-Applied SBS Application Overview including the following materials: 〈72〉 Siplast TeraPROOF Protection CS1000, 〈100〉 #57 stone, 〈103〉 Sub-grade.
- 2. Ensure <101> concrete structure to be flashed are clean, prepared, and secured to prevent movement, and all gaps and breaks between substrates are sealed using <06> Siplast PS-715 NS Elastomeric Sealant or a compatible approved sealant before applying the TeraPROOF materials.
- 3. Before applying the <81> TeraPROOF STP Liquid Membrane, pre-cut the <71> Siplast Pro Fleece reinforcement fabric to conform to flashings. Cut reinforcing to ensure the <81> TeraPROOF STP Liquid Membrane is fully reinforced and overlapped at finger-cuts, side-laps, and end-laps to eliminate skips or breaks in the reinforcement.
- 4. For reinforced flashings structural penetrations, apply a first coat of 60 mils (1.5 mm) of **\langle 81 \rangle** TeraPROOF STP Liquid Membrane to a minimum of 4 inches (100 mm) on the penetration and a minimum of 4 inches (100 mm) beyond the penetration.
- 5. Immediately place the <71> Siplast Pro Fleece reinforcement fabric into the still wet <81> TeraPROOF STP Liquid Membrane. The reinforcement fabric should cover a minimum of 4 inches (100 mm) on the structural penetration and a minimum of 4 inches (100 mm) beyond the penetration. Work the reinforcement fabric into the <81> TeraPROOF STP Liquid Membrane to prevent wrinkles. Ensure that the <71> Siplast Pro Fleece reinforcement fabric is adequately saturated and free of "dry" reinforcement, voids, air pockets and wrinkles using recommended tools.
- 6. Apply a second coat of 〈81〉 Siplast TeraPROOF STP Liquid Membrane 60 mils (1.5 mm) thick over the 〈71〉 Siplast Pro Fleece reinforcement fabric extending a minimum of 1/4 inch (6 mm) beyond the reinforcement fabric

SET ID

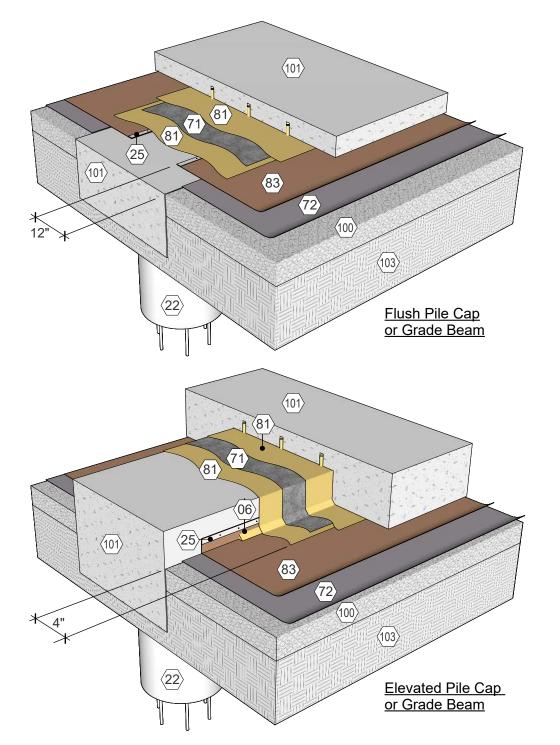
7. Install **\langle 88 \rangle Concrete Waterstop**, ensuring it will sit 2 inches below the surface of the **\langle 39 \rangle floor structure** when it is placed.

TITLE

SHEET NO.

Pre-Applied SBS - Structural Penetration Flashing

11/04/25



- (06) Siplast PS-715 NS Elastomeric Sealant
- (25) Termination bar
- (71) Siplast Pro Fleece
- (72) Siplast TeraPROOF Protection CS1000
- (81) Siplast TeraPROOF STP Liquid Membrane
- (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane
- ⟨100⟩ #57 stone
- ⟨101⟩ Concrete Structure
- ⟨103⟩ Sub Grade

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- 1. Install the area surrounding the penetration with 〈83〉 Siplast TeraPROOF Pre-Applied H-SBS Membrane following Detail 07.10 Pre-Applied SBS Application Overview including the following materials: 〈100〉 #57 stone and 〈103〉 Sub-grade.
- 2. Trim the edge of the \(72\)\ Siplast TeraPROOF Protection CS1000 flush with the edge of the Plle Cap/Grade Beam. Apply the \(83\)\ Siplast TeraPROOF Pre-Applied H-SBS Membrane using one of the following options:

Flush Pile Cap or Grade Beam: Extend the SBS Pre-Applied Membrane horizontally onto the pile cap/grade beam a minimum of 12 inches from the edge and secure with a <25> termination bar.

Flusted Pile Cap or Grade Beam: Extend the SBS Pre-Applied Membrane vertically a minimum of 6 inches enter

Elevated Pile Cap or Grade Beam: Extend the SBS Pre-Applied Membrane vertically a minimum of 6 inches onto the concrete surface and secure with a <25> termination bar.

- 3. Ensure <101> concrete structure to be flashed are clean, prepared, and secured to prevent movement, and all gaps and breaks between substrates are sealed using <06> Siplast PS-715 NS Elastomeric Sealant or a compatible approved sealant before applying the TeraPROOF materials. Apply ¾ inch cant bead of <06> Siplast PS-715 NS Elastomeric Sealant or a compatible approved sealant where the subsequent liquid flashing system will make a 90 degree turn.
- 4. Before applying the **\(\delta\)1\) TeraPROOF STP Liquid Membrane**, pre-cut the **\(\frac{71\)}\) Siplast Pro Fleece** reinforcement fabric to conform to flashings. Cut reinforcing to ensure the **\(\delta\)1\) TeraPROOF STP Liquid Membrane** is fully reinforced and overlapped at finger-cuts, side-laps, and end-laps to eliminate skips or breaks in the reinforcement.
- 5. For reinforced flashings at concrete transitions, apply a first coat of 60 mils (1.5 mm) of **\langle 81 \rangle** TeraPROOF STP Liquid Membrane to a minimum of 4 inches (100 mm) on the penetration and a minimum of 4 inches (100 mm) beyond the transition.
- 6. Immediately place the 〈71〉 Siplast Pro Fleece reinforcement fabric into the still wet 〈81〉 TeraPROOF STP Liquid Membrane. The reinforcement fabric should cover a minimum of 4 inches (100 mm) on the SBS Pre-Applied membrane and a minimum of 4 inches (100 mm) beyond the concrete transition. Work the reinforcement fabric into the 〈81〉 TeraPROOF STP Liquid Membrane to prevent wrinkles. Ensure that the 〈71〉 Siplast Pro Fleece reinforcement fabric is adequately saturated and free of "dry" reinforcement, voids, air pockets and wrinkles using recommended tools.
- 7. Apply a second coat of **\(\frac{81} \)** Siplast TeraPROOF STP Liquid Membrane 60 mils (1.5 mm) thick over the **\(\frac{71} \)** Siplast Pro Fleece reinforcement fabric extending a minimum of 1/4 inch (6 mm) beyond the reinforcement fabric.

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TITLE

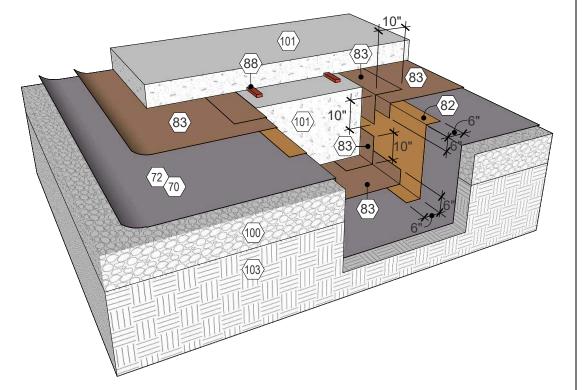
Pre-Applied SBS - Pile Cap or Grade Beam Transitions

SET ID

11/04/25

25 07.15

SHEET NO.



- ⟨70⟩ Siplast TeraPROOF 10-11 Drainage Mat
- (72) Siplast TeraPROOF Protection CS1000
- (82) Siplast TeraPROOF Pre-Applied V-SBS Membrane
- (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane
- (88) Concrete Waterstop
- ⟨100⟩ #57 stone
- ⟨101⟩ Concrete Structure
- (103) Sub Grade

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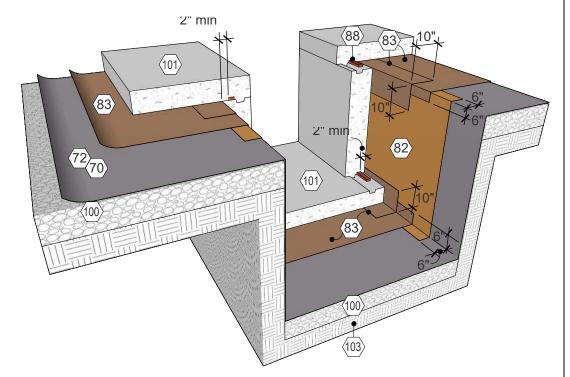
- 1. Install the area surrounding the grade beam trench with **\(\delta 83 \)** Siplast TeraPROOF Pre-Applied H-SBS Membrane following Detail 07.10 Pre-Applied SBS Application Overview including the following materials: **\(\delta 00 \)** #57 stone and **\(\delta 03 \)** Sub-grade.
- 2. Install <72> Siplast TeraPROOF Protection CS1000 or <70> Siplast TeraPROOF 10-11 Drainage Mat that covers the base of the trench and extends up each side, integrating with the protection layer at the top of the trench.
- 3. Install **\(82 \)** Siplast TeraPROOF Pre-Applied V-SBS Membrane on the walls of the trench ensuring it extends horizontally 6 inches along the bottom of the lower area and 6 inches onto the horizontal surface at the top of the trench.
- 4. Install **\(\star \) Siplast TeraPROOF Pre-Applied H-SBS Membrane** at the bottom of the trench with sides extending up the wall 6 inches. Heat weld the lap areas of membranes and corner area, following Detail 07.10 Pre-Applied SBS Application Overview and Detail 07.11 Pre-Applied SBS Lap and Heat Welding Diagrams.

TITLE

SET ID

SHEET NO.

11/03/25



- (70) Siplast TeraPROOF 10-11 Drainage Mat
- (72) Siplast TeraPROOF Protection CS1000
- (82) Siplast TeraPROOF Pre-Applied V-SBS Membrane
- (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane
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- ⟨100⟩ #57 stone
- (101) Concrete Structure
- (103) Sub Grade

Refer to TeraPROOF Installer's Guide for detailed instructions regarding the specific products, personal protection, storage, handling, relevant codes, installation tools, substrate preparation, and general application guidelines. Coordinate installation of Siplast TeraPROOF products with the adjoining and subsequent trades to ensure compatibility and continuity with the roofing, waterproofing, and above-grade facade systems.

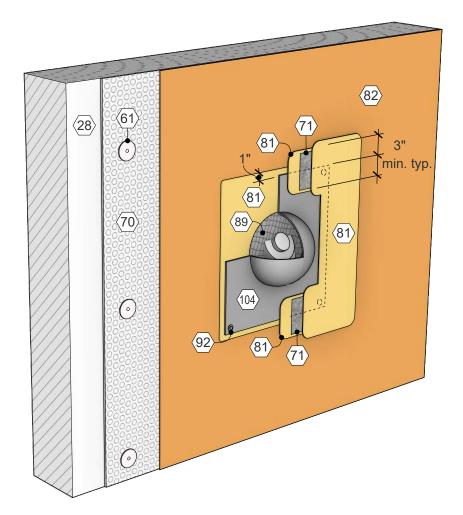
- 1. Install the area surrounding the elevator pit with 〈83〉 Siplast TeraPROOF Pre-Applied H-SBS Membrane following Detail 07.10 Pre-Applied SBS Application Overview including the following materials: 〈100〉 #57 stone, 〈103〉 Sub-grade.
- 2. Install 〈72〉 Siplast TeraPROOF Protection CS1000 or 〈70〉 Siplast TeraPROOF 10-11 Drainage Mat that covers the base of the pit and extends up each side, integrating with the protection layer at the top of the pit.
- 3. Install **\(82 \)** Siplast TeraPROOF Pre-Applied V-SBS Membrane on the walls of the trench ensuring it extends horizontally 6 inches along the bottom of the lower area and 6 inches onto the horizontal surface at the top of the trench.
- 4. Install **\langle 83 \rangle Siplast TeraPROOF Pre-Applied H-SBS Membrane** at the bottom of the trench with sides extending up the wall 6 inches. Heat weld the lap areas of membranes and corner area, following Detail 07.10 Pre-Applied SBS Application Overview and Detail 07.11 Pre-Applied SBS Lap and Heat Welding Diagrams.

TITLE

SET ID

SHEET NO.

10/30/25



- (28) Soil Retention System
- (61) Siplast Parafast Fasteners and Plates
- (70) Siplast TeraPROOF 10-11 Drainage Mat
- (71) Siplast Pro Fleece
- (81) Siplast TeraPROOF STP Liquid Membrane
- (82) Siplast TeraPROOF Pre-Applied V-SBS Membrane
- (88) Concrete Waterstop
- (89) Closed-cell Spray Foam
- (92) Fasteners
- (101) Concrete Structure
- (104) Tie-Back Cover

Refer to TeraPROOF Installer's Guide for detailed instructions regarding the specific products, personal protection, storage, handling, relevant codes, installation tools, substrate preparation, and general application guidelines. Coordinate installation of Siplast TeraPROOF products with the adjoining and subsequent trades to ensure compatibility and continuity with the roofing, waterproofing, and above-grade facade systems.

- Install the area surrounding the penetration with (70) Siplast TeraPROOF 10-11 Drainage
 Mat, (61) Siplast Parafast Fasteners and Plates, and (83) Siplast TeraPROOF Pre-Applied H-SBS
 Membrane following Detail 07.10 Pre-Applied SBS Application Overview.
- 2. Embed the **\(104 \)** Tie-back Cover into a wet bed of **\(\)** Siplast TeraPROOF STP Liquid **Membrane** at least 1 inch beyond the cover. Attach with **\(\)** Fasteners per the tie back cover requirements through the wet liquid membrane.
- 3. Fill the tie-back area with **(89) Closed-cell Spray Foam.** Ensure the tie-back area and cover if filled, limits voids, and resists deflections to less than 1 inch after the placement of the concrete.
- 4. Apply 60 mils (1.5 mm) of **\(\frac{41} \) TeraPROOF STP Liquid Membrane** a minimum 3 inches onto the **\(\frac{104} \) Tie-Back Cover** and an additional 3 inches onto the surrounding SBS membrane around the perimeter of the tie-back cover, ensuring all **\(\frac{92} \) Fasteners** are covered a minimum of 2 inches.
- 5. Immediately place the **〈71〉 Siplast Pro Fleece** reinforcement fabric into the still wet **〈81〉 TeraPROOF STP Liquid Membrane.** The reinforcing fabric should cover a minimum of 3 inches on the **〈104〉** Tie-Back Cover and a minimum of 3 inches on the **〈82〉 Siplast TeraPROOF Pre-Applied V-SBS Membrane.** Work the fleece into the liquid membrane to prevent wrinkles. Ensure that the **〈71〉 Siplast Pro Fleece** is adequately saturated and free of dry reinforcement, voids, air pockets, and wrinkles using recommended tools.
- 6. Apply a second coat of **(81)** Siplast TeraPROOF STP Liquid Membrane 60 mils (1.5 mm) thick over the **(71)** Siplast Pro Fleece reinforcement fabric extending a minimum of 1/4 inch (6 mm) beyond the reinforcement fabric

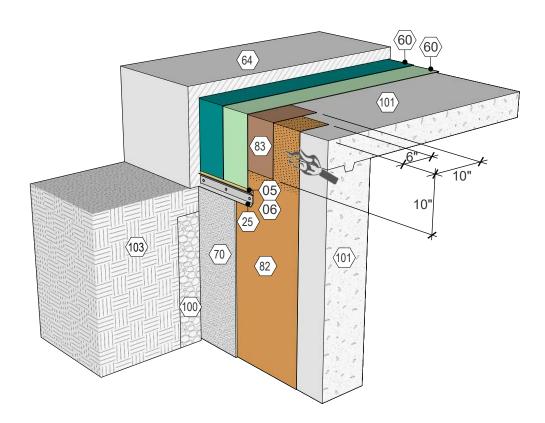
TITLE
Pre-Applied SBS - Tie-Back Cover

SET ID

REV

10/04/25

SHEET NO. 07.18



- (05) Siplast WALLcontrol Modified Silicone (STPE) VP Liquid Flashing
- (06) Siplast PS-715 NS Elastomeric Sealant
- (25) Termination bar
- (60) Roof or waterproofing system
- (64) Roof or waterproofing overburden
- (70) Siplast TeraPROOF 10-11 Drainage Mat
- (82) Siplast TeraPROOF Pre-Applied V-SBS Membrane
- (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane
- (100) #57 stone
- (101) Concrete Structure
- (103) Sub Grade

Refer to TeraPROOF Installer's Guide for detailed instructions regarding the specific products, personal protection, storage, handling, relevant codes, installation tools, substrate preparation, and general application guidelines. Coordinate installation of Siplast TeraPROOF products with the adjoining and subsequent trades to ensure compatibility and continuity with the roofing, waterproofing, and above-grade facade systems.

- Install the area surrounding the transition with (83) Siplast TeraPROOF Pre-Applied H -SBS Membrane following Detail 07.10 Pre-Applied SBS - Application Overview.
- The **(82)** Siplast TeraPROOF Pre-Applied V-SBS Membrane must extend up the vertical wall and onto the horizontal surface a minimum of 6 inches (15 cm). The **(82)** Siplast TeraPROOF Pre-Applied V-SBS Membrane film must be melted, burned-off and tempered a minimum of 18 inches (46 cm) below the top of the wall and the 6 inches (15 cm) on the horizontal surface.
- Apply corner reinforcing (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane a minimum of 12 inches (31 cm) onto both the vertical and horizontal surfaces of previously installed (82) Siplast TeraPROOF Pre-Applied V-SBS Membrane. Fully heat weld this reinforcing strip in place following Detail 07.10 Pre-Applied SBS - Application Overview and Detail 07.11 Pre-Applied SBS - Lap and Heat Welding Diagrams. Use a trowel or spatula to tool and seal the seam leaving a minimum 1/8 inch bleed out onto the adjacent membrane.
- Install (60) Roof or Waterproofing system and extend it down the vertical wall to the top edge of the (70) Siplast TeraPROOF 10-11 Drainage Mat.
- Terminate the (70) Siplast Paradrain Drainage Mat and the (60) Roof or waterproofing system. Install (25) termination bar with the fasteners bedded in wet sealant and apply a bead of (06) Siplast PS-715 NS Elastomeric Sealant along the top edge of the (25) termination bar. Use a trowel or spatula to tool and seal the joint and the heads of the termination bar fasteners.

SET ID

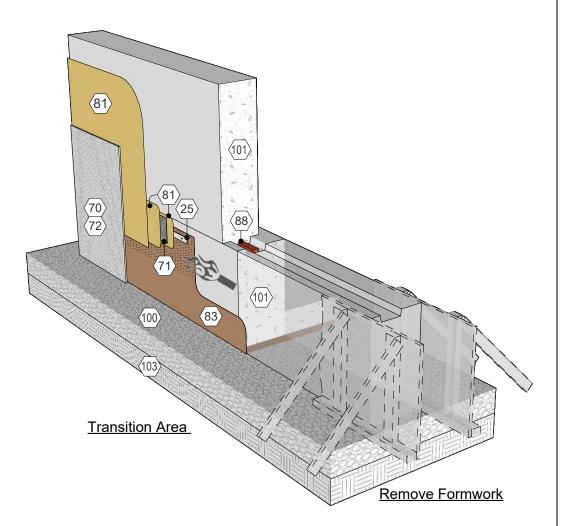
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08/19/25

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SHEET NO.



- (25) Termination bar
- (70) Siplast TeraPROOF 10-11 Drainage Mat or Siplast Paradrain Mat
- (71) Siplast Pro Fleece
- (72) Siplast TeraPROOF Protection CS1000
- (81) Siplast TeraPROOF STP Liquid Membrane
- (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane
- (88) Concrete Waterstop
- ⟨100⟩ #57 stone
- ⟨101⟩ Concrete Structure
- (103) Sub grade

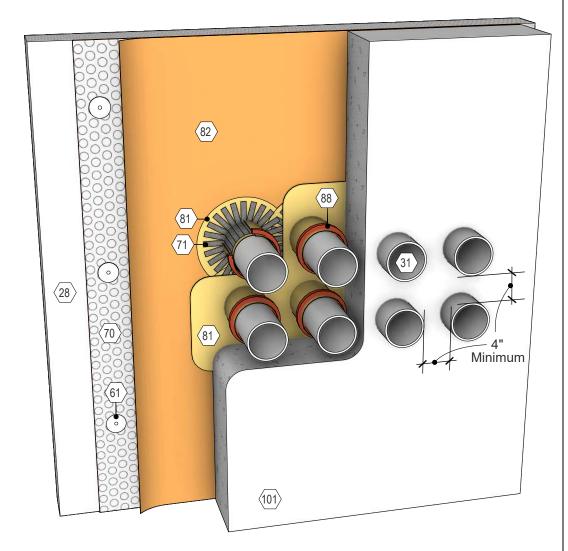
Refer to TeraPROOF Installer's Guide for detailed instructions regarding the specific products, personal protection, storage, handling, relevant codes, installation tools, substrate preparation, and general application guidelines. Coordinate installation of Siplast TeraPROOF products with the adjoining and subsequent trades to ensure compatibility and continuity with the roofing, waterproofing, and above-grade facade systems.

- Remove formwork at the end of the pre-applied waterproofing building area, and trim back installed (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane to extend the vertically a minimum of 18 inches (450 mm) onto the concrete wall surface and secure with a <25> termination bar.
- The \(\) 83 \(\) Siplast TeraPROOF Pre-Applied H-SBS Membrane surface film must be melted. burned-off, and tempered a minimum of 4.5 inches below the **25** termination bar.
- Before applying the (81) TeraPROOF STP Liquid Membrane, pre-cut the (71) Siplast Pro Fleece reinforcement fabric to conform to flashings. Cut reinforcing to ensure the (81) TeraPROOF STP Liquid Membrane is fully reinforced and overlapped at finger-cuts, side-laps, and end-laps to eliminate skips or breaks in the reinforcement.
- Apply 60 mils (1.5 mm) of **\langle 81 \rangle** TeraPROOF STP Liquid Membrane a minimum of 4 inches (100mm) beyond each side of the termination bar.
- Immediately place the (71) Siplast Pro Fleece reinforcement fabric into the still wet (81) TeraPROOF STP Liquid Membrane. The reinforcing fabric should cover a minimum of 4 inches (100 mm) beyond each side of the termination bar. Work the fleece into the liquid membrane to prevent wrinkles. Ensure the reinforcement fabric is adequately saturated and free of dry reinforcement, voids, air pockets, and wrinkles using recommended tools.
- Apply a second coat of **\langle 81 \rangle Siplast TeraPROOF STP Liquid Membrane** at 60 mils (1.5 mm) thick over the (71) Siplast Pro Fleece reinforcement fabric extending a minimum of 1/4 inch (6 mm) beyond the reinforcement fabric.
- For the vertical wall areas, follow detail 06.11 Post-Applied Liquid Foundation, follow the referenced details and installer's quide for the applications of (81) Siplast TeraPROOF STP Liquid Membrane,
- (71) Siplast Pro Fleece and (70) Siplast TeraPROOF 10-11 Drainage Mat.

TITLE Pre-Applied SBS - Transition to Post-Applied Liquid SET ID

SHEET NO. 07.20

11/03/25



- (06) Siplast PS-715 NS Elastomeric Sealant
- (28) Soil Retention System
- (31) Pipe or penetration
- (61) Siplast Parafast Fasteners and Plates
- (70) Siplast TeraPROOF 10-11 Drainage Mat
- (71) Siplast Pro Fleece
- (81) Siplast TeraPROOF STP Liquid Membrane
- (82) Siplast TeraPROOF Pre-Applied V-SBS Membrane
- (88) Concrete Waterstop
- (101) Concrete Structure

Refer to TeraPROOF Installer's Guide for detailed instructions regarding the specific products, personal protection, storage, handling, relevant codes, installation tools, substrate preparation, and general application guidelines. Coordinate installation of Siplast TeraPROOF products with the adjoining and subsequent trades to ensure compatibility and continuity with the roofing, waterproofing, and above-grade facade systems.

- Fill the substrate between the pipes to a solid and continuous surface. See the TeraPROOF Pre-Applied Installer's Guide for additional surface preparation information.
- Install the area surrounding the (31) Pipe penetrations with (82) Siplast TeraPROOF Pre-Applied V-SBS Membrane or (83) Siplast TeraPROOF Pre-Applied H-SBS Membrane following Detail 07.10 Pre-Applied SBS - Application Overview.
- Ensure (31) pipes, drains, equipment, etc. to be flashed are clean, prepared, and secured to prevent movement, and all gaps and breaks between substrates are sealed using (06) Siplast PS-715 NS **Elastomeric Sealant** or a compatible approved sealant before applying the **TeraPROOF** materials.
- Before applying the (81) TeraPROOF STP Liquid Membrane, pre-cut the (71) Siplast Pro Fleece reinforcement fabric to conform to penetrations. Cut reinforcing to ensure the (81) TeraPROOF STP Liquid Membrane is fully reinforced and overlapped at finger-cuts, side-laps, and end-laps to eliminate skips or breaks in the reinforcement.
- For reinforced flashings at pipe penetrations, apply a first coat of 60 mils (1.5 mm) of (81) TeraPROOF STP Liquid Membrane to a minimum of 4 inches (100 mm) on the penetration and a minimum of 4 inches (100 mm) beyond the penetration.
- Immediately place the (71) Siplast Pro Fleece reinforcement fabric into the still wet (81) TeraPROOF STP Liquid Membrane. The reinforcement fabric should cover a minimum of 4 inches (100 mm) on the pipe penetration and a minimum of 4 inches (100 mm) beyond the penetration. Work the reinforcement fabric into the (81) TeraPROOF STP Liquid Membrane to prevent wrinkles. Ensure that the (71) Siplast Pro Fleece reinforcement fabric is adequately saturated and free of "dry" reinforcement, voids, air pockets and wrinkles using recommended tools.
- Apply a second coat of (81) Siplast TeraPROOF STP Liquid Membrane 60 mils (1.5 mm) thick over the (71) Siplast Pro Fleece reinforcement fabric extending a minimum of 1/4 inch (6 mm) beyond the reinforcement fabric
- Install (88) Concrete Waterstop, ensuring it will sit 2 inches below the surface of the (101) concrete structure when it is placed.

✓ siplast TeraPR00F

Pre-Applied SBS - Wall Multiple Penetration Flashing

SET ID

REV

10/04/25

SHEET NO. 07.21