



Fastwall® 100 CI WaterMaster Stucco

Continuously Insulated Cement Plaster Stucco System
Featuring Sika Air/Water-Resistive Barrier
Typical Details

BUILDING TRUST



Fastwall 100 CI WaterMaster Stucco

Typical Details

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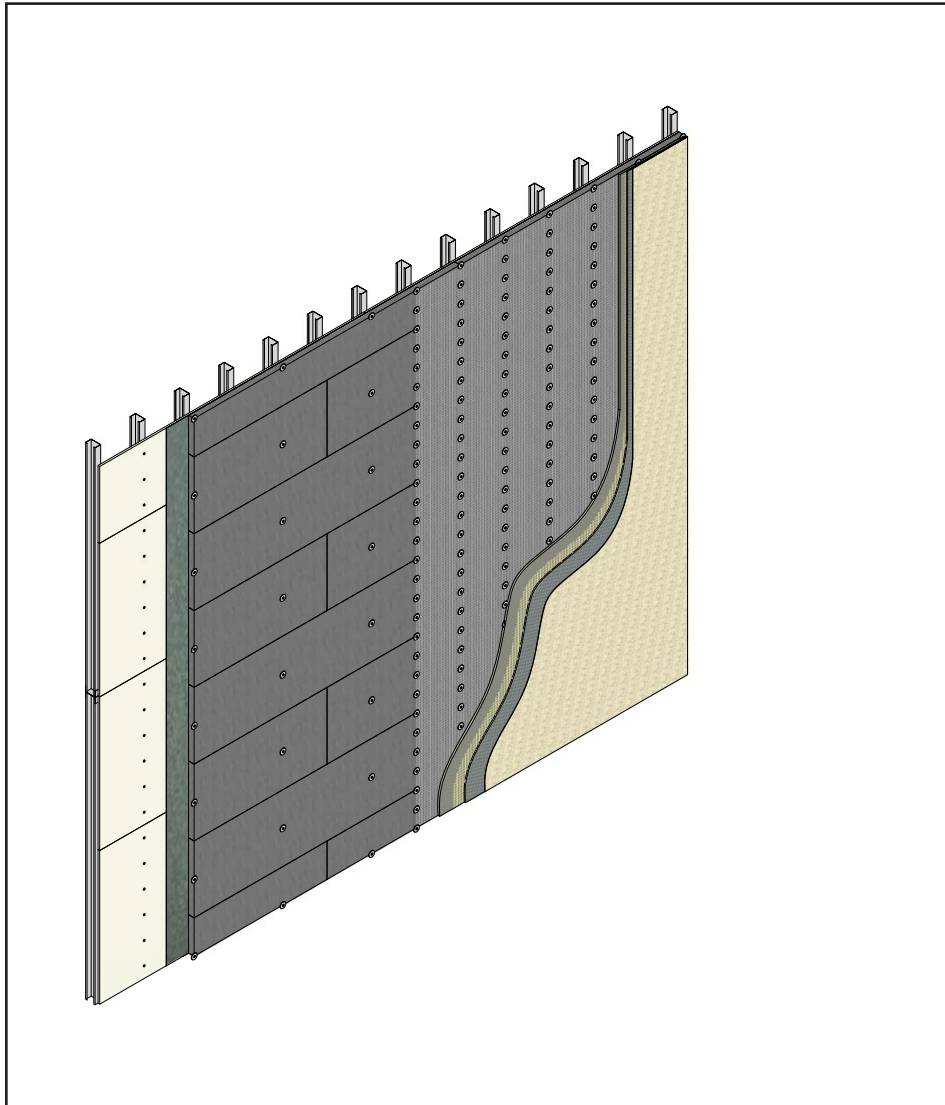
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Notes:

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- **Install Sika materials in accordance with current installation instructions.**
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Fastwall 100 CI WaterMaster Stucco

TYPICAL FASTENING PATTERN



01 2604

(*NOTE: BY OTHERS)

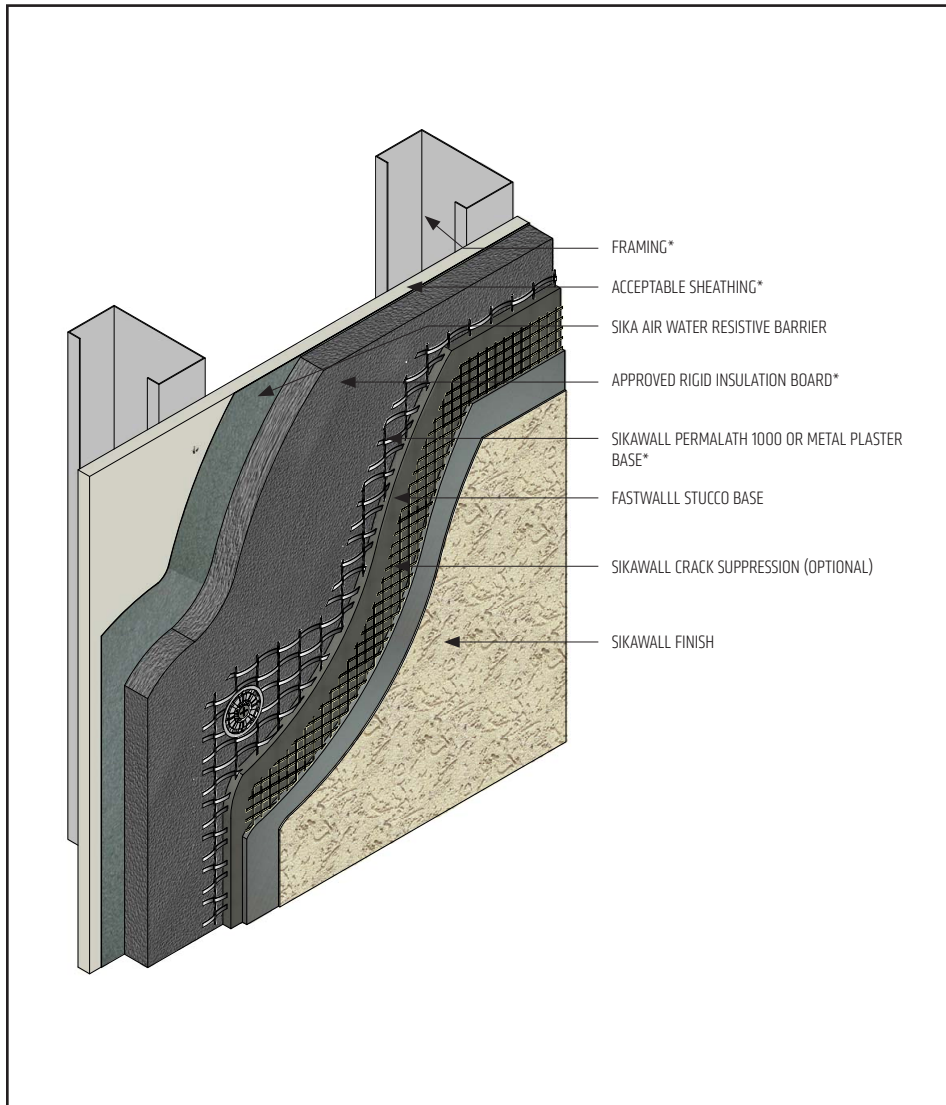
- Sheathing:
Fasten per sheathing manufacturer's recommendations or project design requirements.
- Approved Rigid Insulation Board:
Secure with 2 to 3 fasteners per board to hold in place until lath is installed.
- Lath – SikaWall PermaLath 1000: use appropriate fasteners spaced not more than 6" (152 mm) o.c. vertically, 16" (406 mm) o.c. horizontally; metal or wire lath: use appropriate fasteners spaced not more than 7" (178 mm) o.c. vertically, 16" (406 mm) or 24" (610 mm) o.c. horizontally, per requirements of ASTM C1063. Refer to Sika Fastwall 100 WaterMaster CI specifications.

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Fastwall 100 CI WaterMaster Stucco

TYPICAL FRAMED/SHEATHED CONSTRUCTION



02 2604

(*NOTE: BY OTHERS)

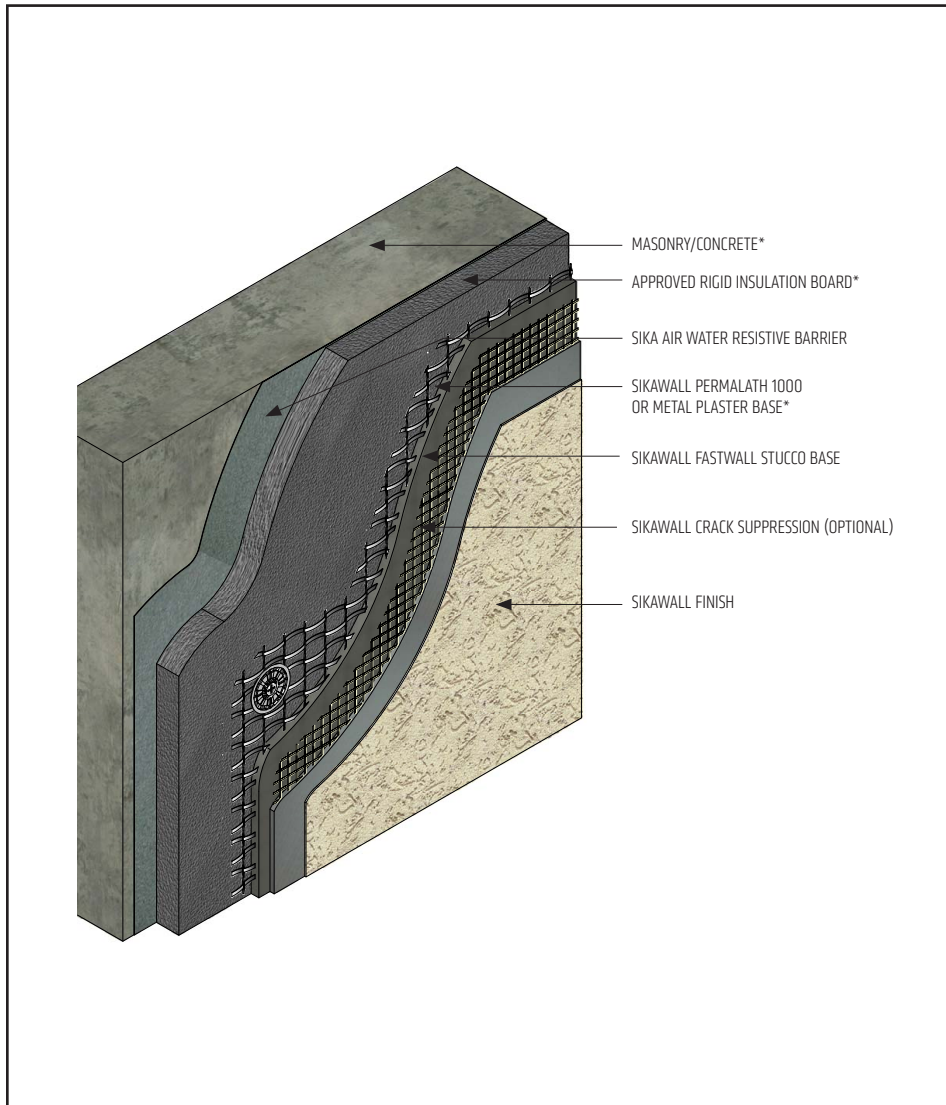
- Ensure Sika Air Water Resistive Barrier is dry prior to Rigid Insulation Board installation.
- Basic requirements for Plaster Base:
 - Fastwall Stucco Base $\frac{3}{8}$ " to $\frac{1}{2}$ " thickness: Min. 1" 20 ga. wire, min. 2.5 lb/sq.yd. metal lath or acceptable alternative.
 - Fastwall Stucco Base equal to or greater than $\frac{1}{2}$ " thickness: SikaWall PermaLath 1000 or min. $1\frac{1}{2}$ " 17 ga. wire, min. 2.5 lb/sq. yd. metal lath or acceptable alternative.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level coat.

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Fastwall 100 CI WaterMaster Stucco

TYPICAL MASONRY/CONCRETE CONSTRUCTION



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(*NOTE: BY OTHERS)

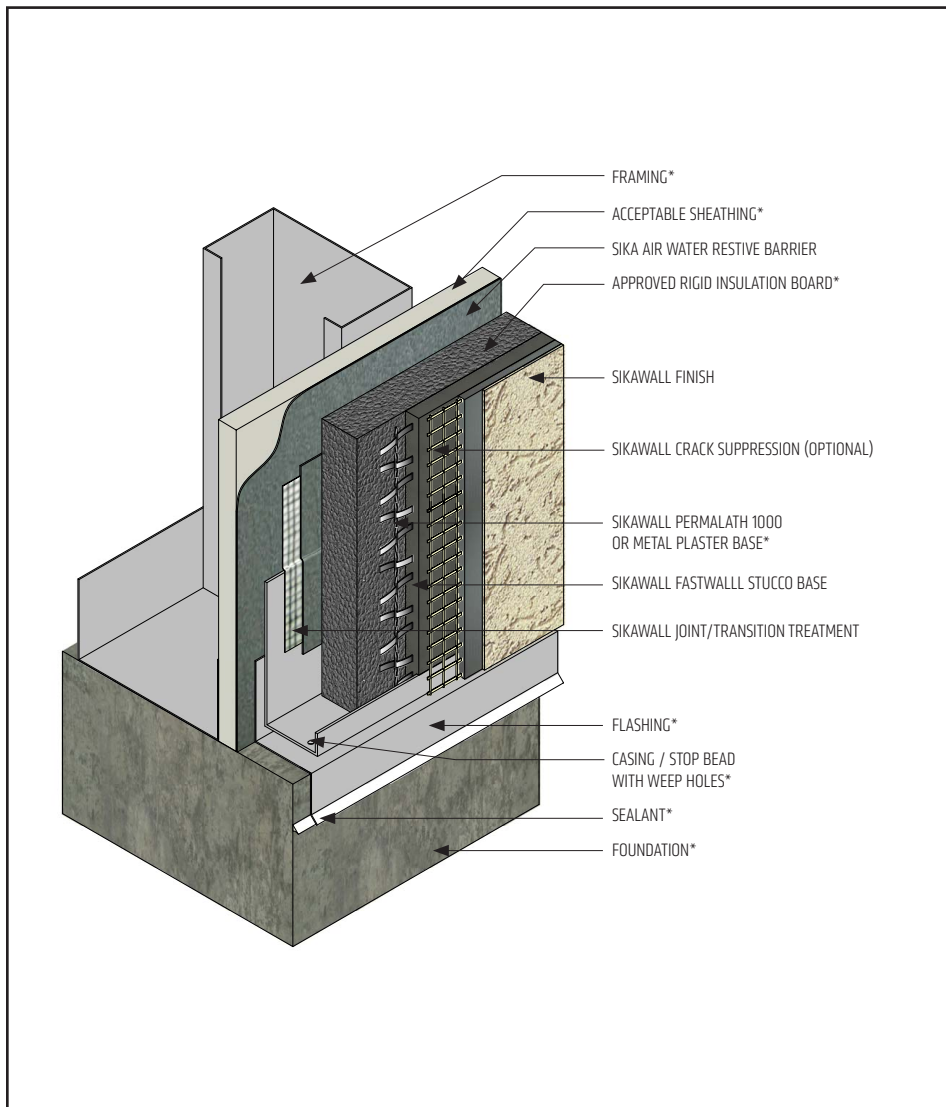
- Multiple coats of Sika Air Water Resistive Barrier may be required to achieve a pin-hole free application.
- Ensure Sika Air Water Resistive Barrier is dry prior to Rigid Insulation Board installation.
- Basic requirements for Plaster Base:
 - Fastwall Stucco Base $\frac{3}{8}$ " to $\frac{1}{2}$ " thickness: Min. 1" 20 ga. wire, min. 2.5 lb/sq.yd. metal lath or acceptable alternative.
 - Fastwall Stucco Base equal to or greater than $\frac{1}{2}$ " thickness: SikaWall PermaLath 1000 or min. $1\frac{1}{2}$ " 17 ga. wire, min. 2.5 lb/sq. yd. metal lath or acceptable alternative.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level coat.

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Fastwall 100 CI WaterMaster Stucco

TYPICAL TERMINATION AT FOUNDATION – FLUSH WITH CASING / STOP BEAD



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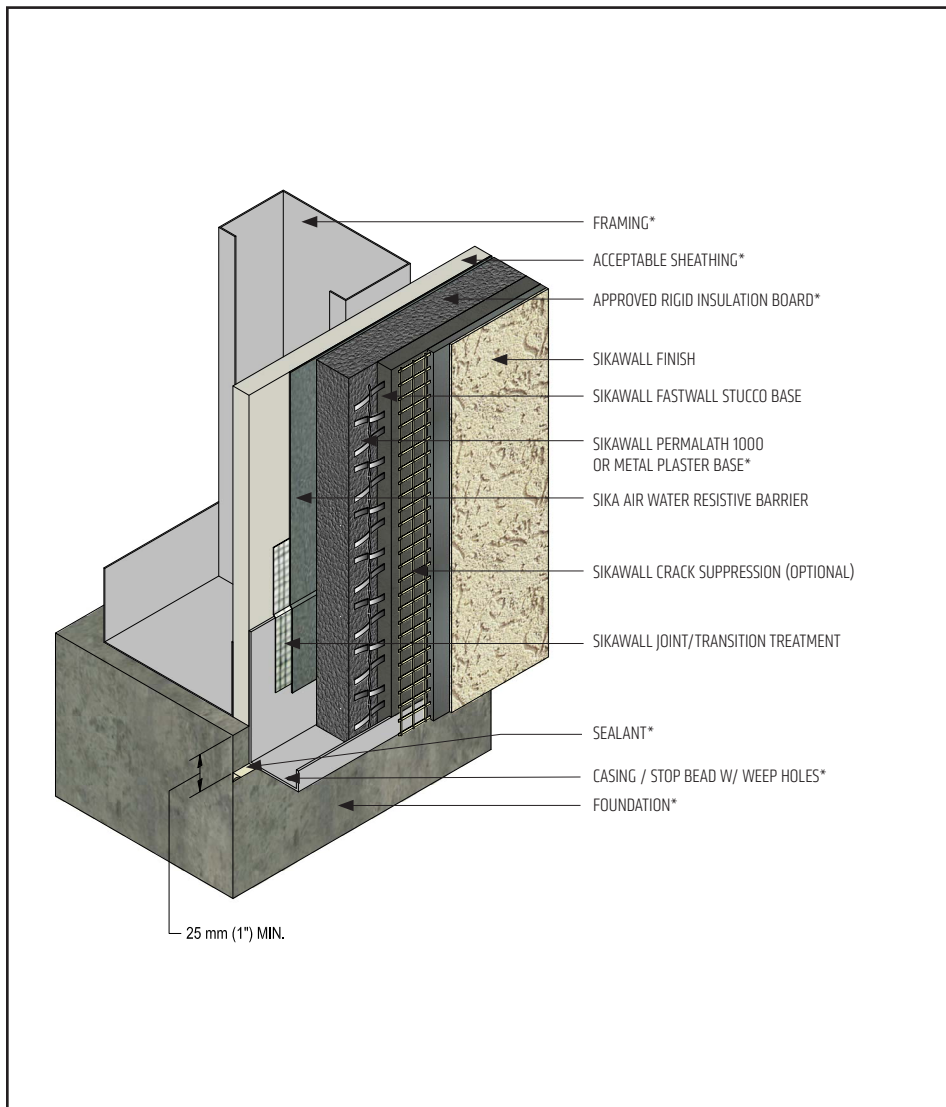
- Terminate the Sika Fastwall 100 CI WaterMaster Stucco system a minimum of 6" (152 mm) above raw earth and 2" (50 mm) above paved surface.
- Use SikaWall Transition Treatment to lap on to the casing/stop bead flange.
- Ensure casing/stop bead includes weep holes to facilitate drainage.
- SikaWall Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in a Sika Air Water Resistive Barrier or SikaWall Flash Seal NP.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level coat.

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TYPICAL TERMINATION AT FOUNDATION WITH CASING / STOP BEAD



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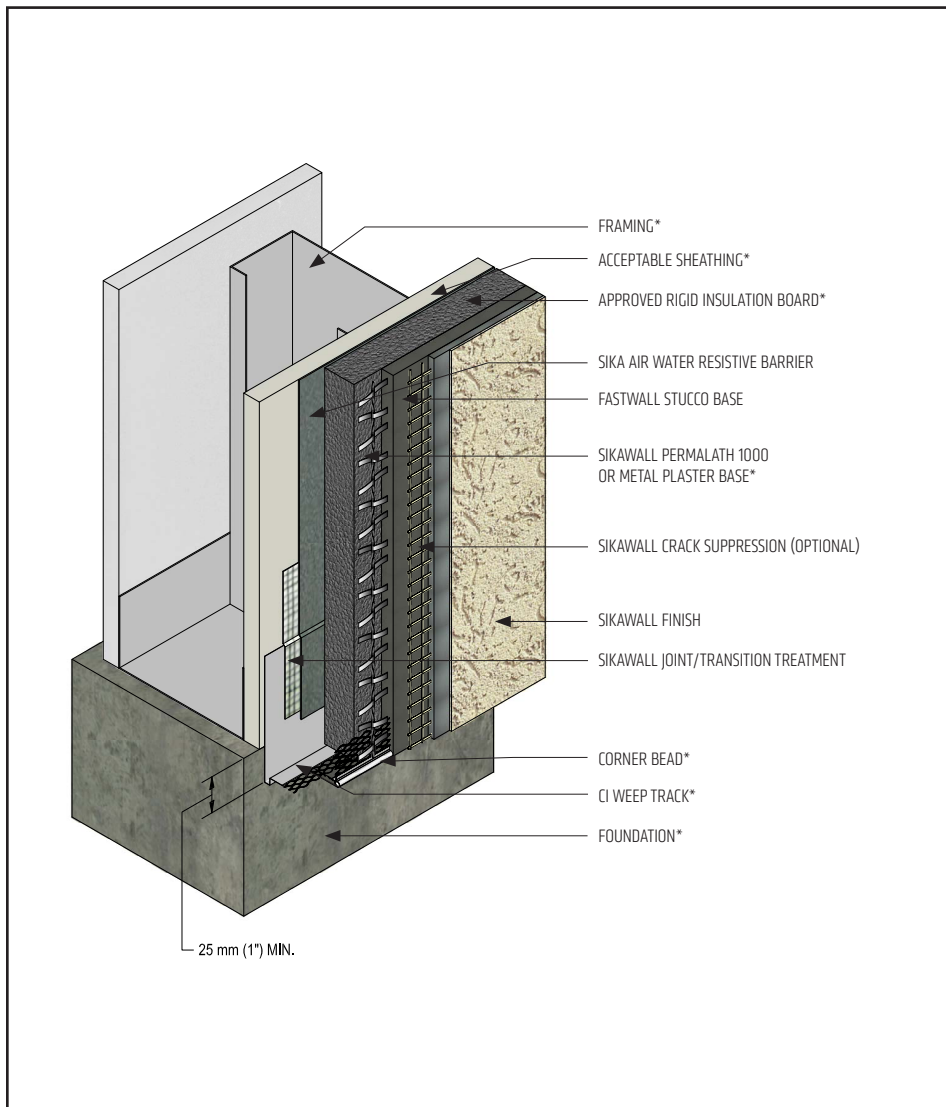
- Terminate the Sika Fastwall 100 CI WaterMaster Stucco system a minimum of 6" (152 mm) above raw earth and 2" (50 mm) above paved surface.
- Provide minimum 1" (25 mm) overlap at framing/foundation transition.
- Use SikaWall Transition Treatment to lap on to the casing/stop bead flange.
- Ensure casing/stop bead includes weep holes to facilitate drainage.
- SikaWall Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in a Sika Air Water Resistive Barrier or SikaWall Flash Seal NP.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level coat.

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Fastwall 100 CI WaterMaster Stucco

TYPICAL TERMINATION AT FOUNDATION WITH CI WEEP TRACK



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(*NOTE: BY OTHERS)

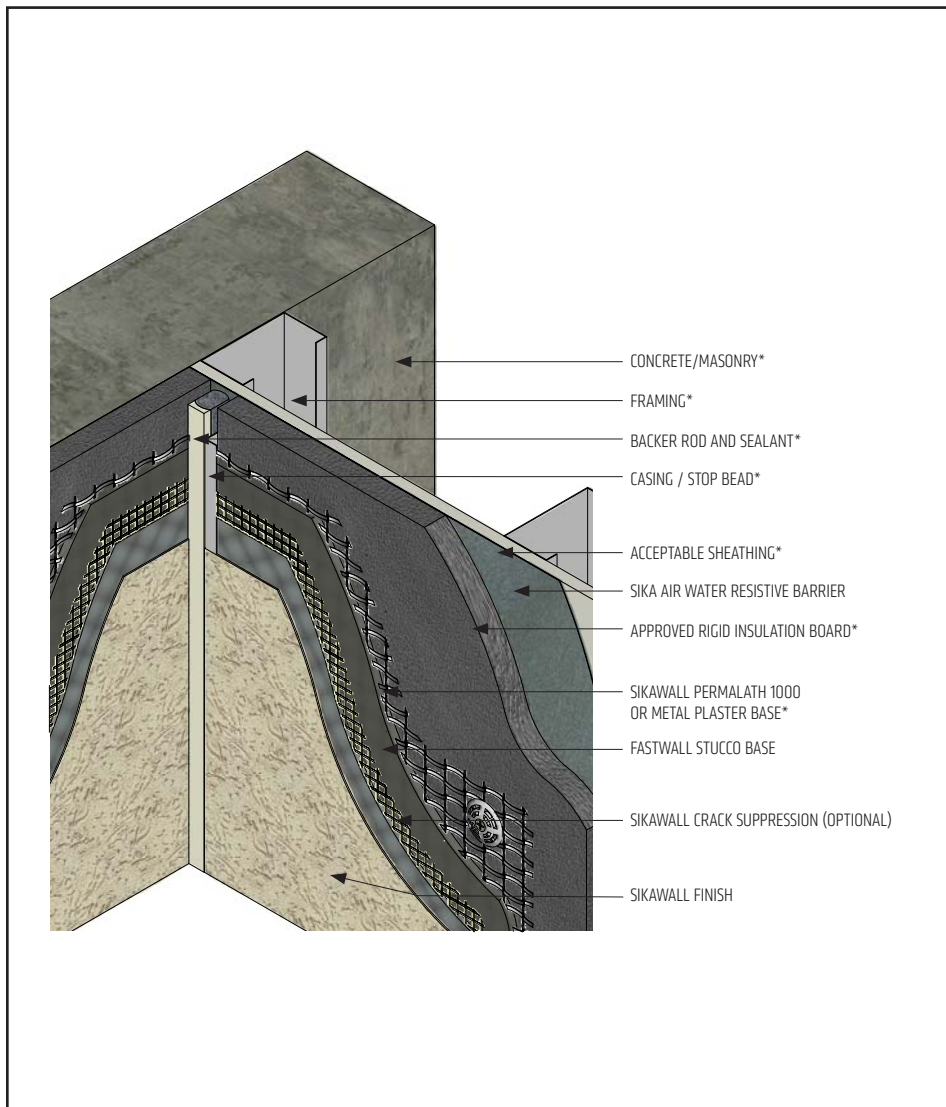
- Terminate the Fastwall 100 CI WaterMaster system a minimum of 6" (152 mm) above raw earth and 2" (50 mm) above paved surface.
- Provide minimum 1" (25 mm) overlap at framing/foundation transition.
- Use SikaWall Transition Treatment to lap on to the CI Weep Track flange.
- SikaWall Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Sika Air Water Resistive Barrier or SikaWall Flash Seal NP.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level coat.

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Fastwall 100 CI WaterMaster Stucco

TYPICAL CHANGE IN SUBSTRATE



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(*NOTE: BY OTHERS)

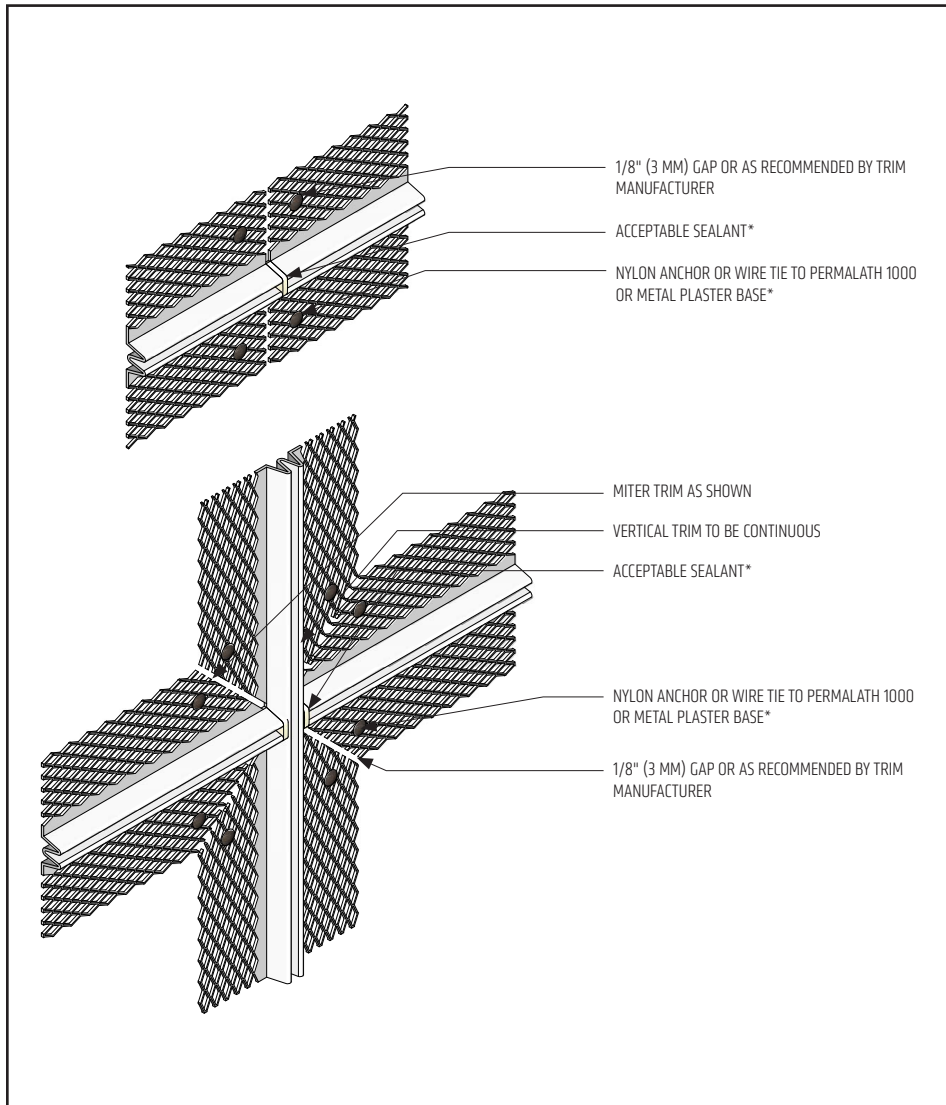
- Ensure Sika Air Water Resistive Barrier application is continuous behind the Sika Fastwall 100 CI WaterMaster Stucco system at change in substrate – apply SikaWall Flash Seal NP at change in substrate followed by fully coating with Sika Air Water Resistive Barrier.
- Do not apply finish into joint to receive sealant.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.
- Reference "Acceptable Sealants for use with Sika EIFS and Stucco Systems" Technical Bulletin for a list of sealants.

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Fastwall 100 CI WaterMaster Stucco

TYPICAL TRIM JUNCTION



- At trim intersection it is recommended that the vertical trim be continuous.

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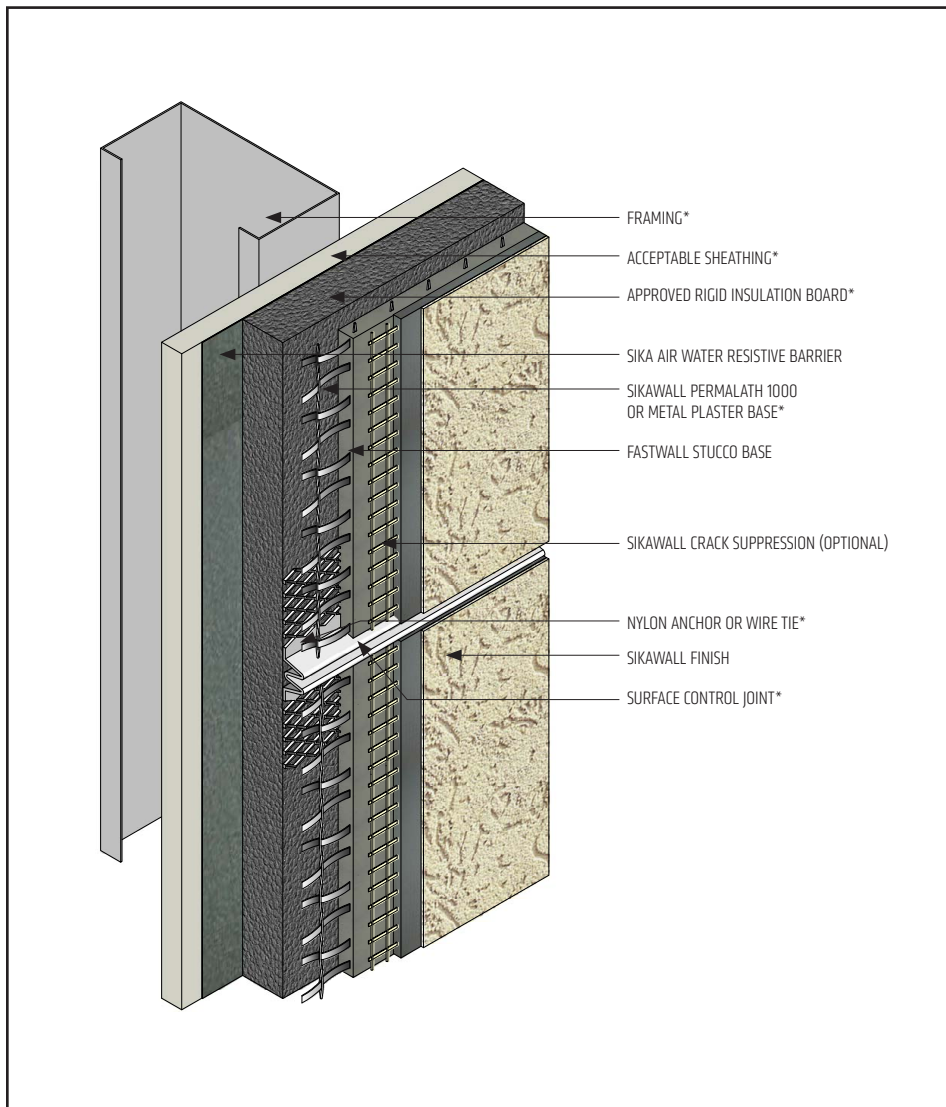
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Fastwall 100 CI WaterMaster Stucco

TYPICAL SURFACE CONTROL JOINT



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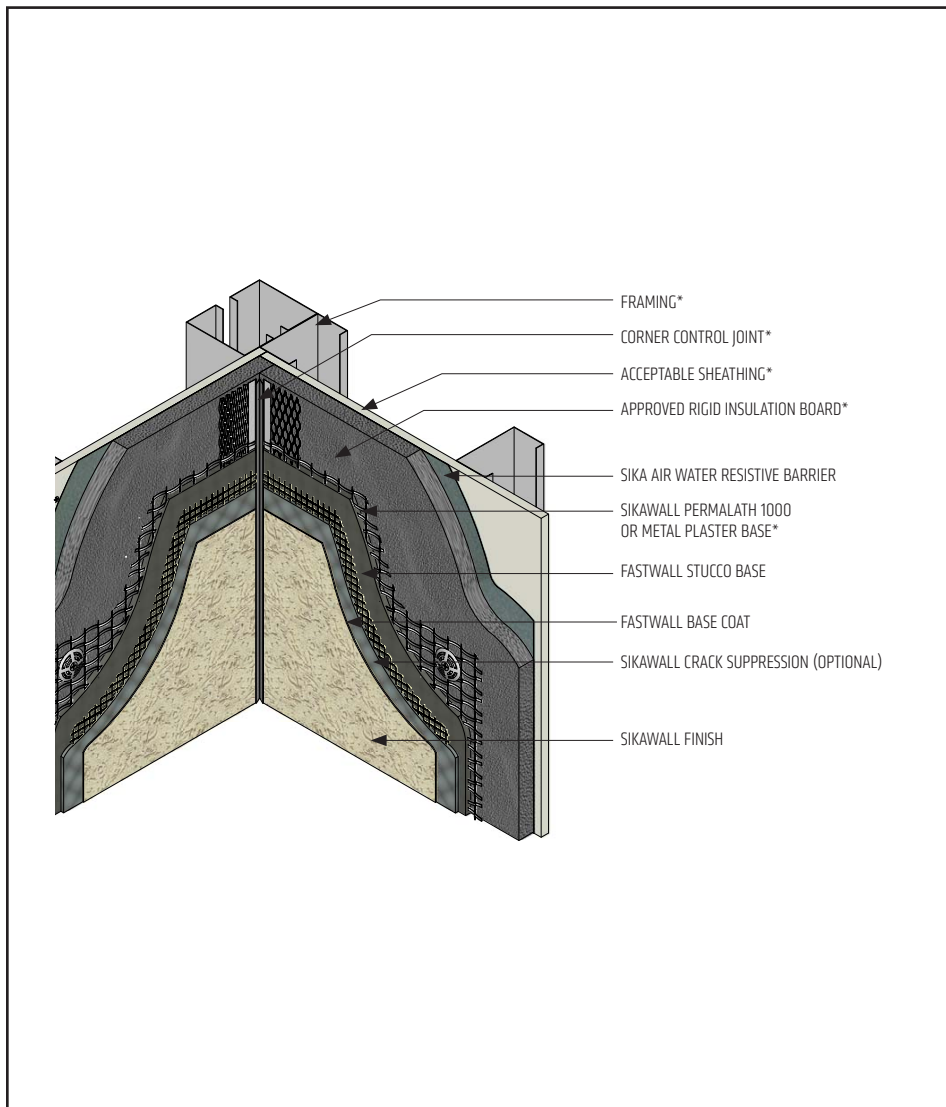
- Provide control joints every 144 ft² (13 m²) or placement as determined by the Design Professional. Maximum recommended uncontrolled length or width is 18 ft (5.5 m) and a maximum uncontrolled length to width ratio of 2-1/2 to 1.
- Lath must be broken at the control joint accessory.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.

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Fastwall 100 CI WaterMaster Stucco

TYPICAL INSIDE CORNER CONTROL JOINT – FRAMED / SHEATHED CONSTRUCTION



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(*NOTE: BY OTHERS)

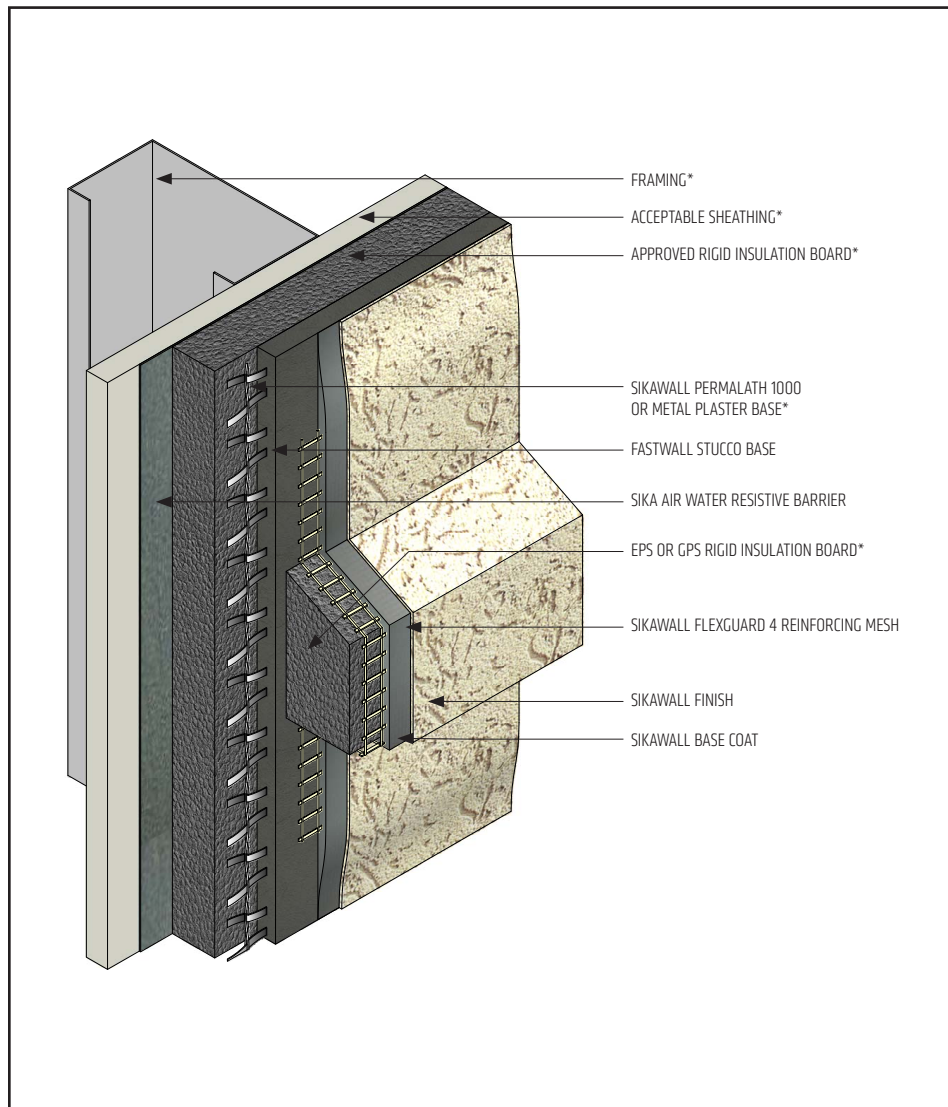
- Ensure Sika Air Water Resistive Barrier application is continuous behind the Fastwall 100 CI WaterMaster system – apply SikaWall Transition Treatment at inside corner.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.
- SikaWall Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Sika Air Water Resistive Barrier or SikaWall Flash Seal NP.

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TYPICAL EPS OR GPS SHAPE APPLICATION



- Extend SikaWall Reinforcing Mesh and SikaWall Base Coat from band or shape onto Fastwall Stucco Base a minimum of 3" (76 mm).
- Provide a 6:12 slope on horizontal applications greater than 1".
- Adhere EPS or GPS Rigid Insulation band/ shape with SikaWall Base Coat to Fastwall Stucco Base surface.

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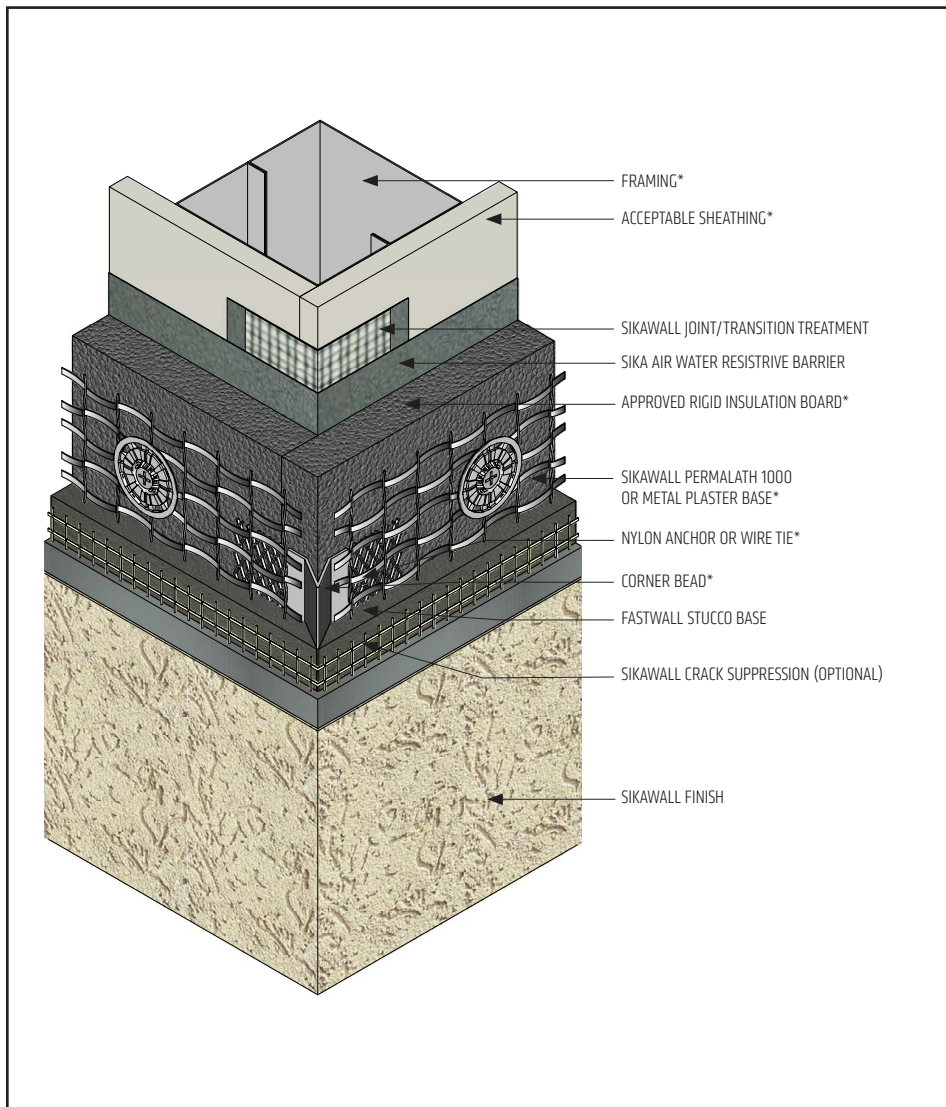
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TYPICAL CORNER BEAD



- Attach corner bead with wire ties, anchors or fasteners to resist movement during application of Fastwall Stucco Base.
- Fill corner bead solid with Fastwall Stucco Base.
- SikaWall Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Sika Air Water Resistive Barrier or SikaWall Flash Seal NP.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.

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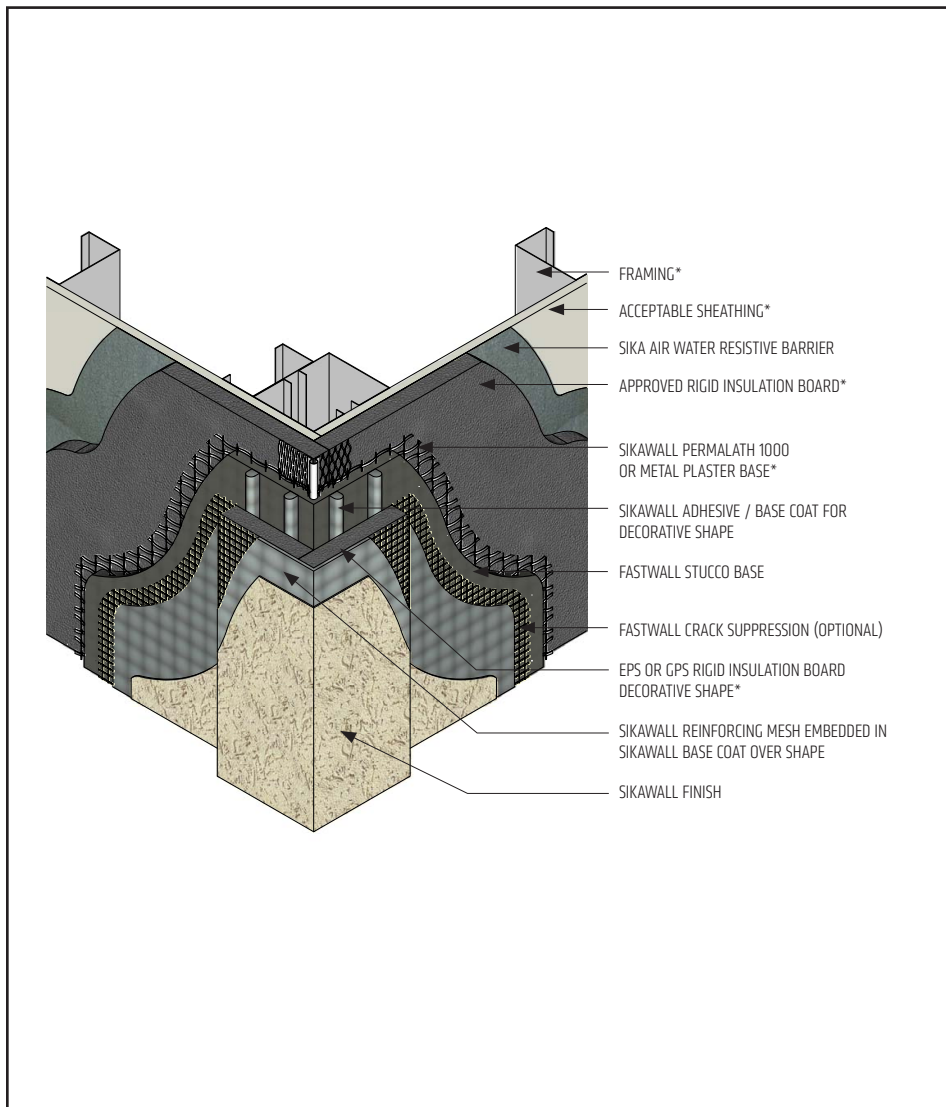
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Fastwall 100 CI WaterMaster Stucco

TYPICAL DECORATIVE SHAPE



- Extend SikaWall Reinforcing Mesh and SikaWall Base Coat from band or shape onto Fastwall Stucco Base a minimum of 3" (76 mm).
- Adhere EPS or GPS Rigid Insulation band/ shape with SikaWall Base Coat to Fastwall Stucco Base surface.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.

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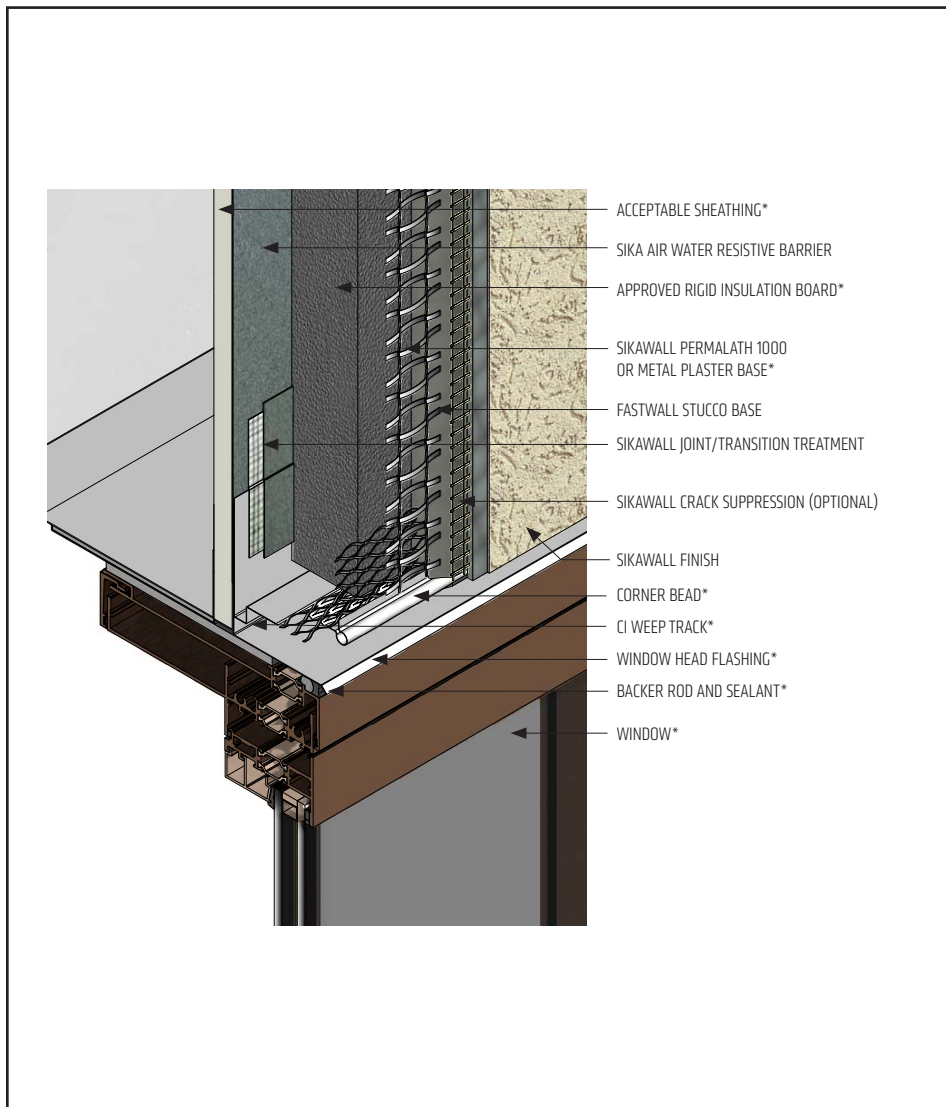
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TYPICAL WINDOW HEAD (FLUSH)



- Use SikaWall Transition Treatment to lap on to the CI Weep Track flange.
- Provide end-dams at flashing terminations.
- Seal flashing drip edge to window frame.
- SikaWall Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Sika Air Water Resistive Barrier or SikaWall Flash Seal NP.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.

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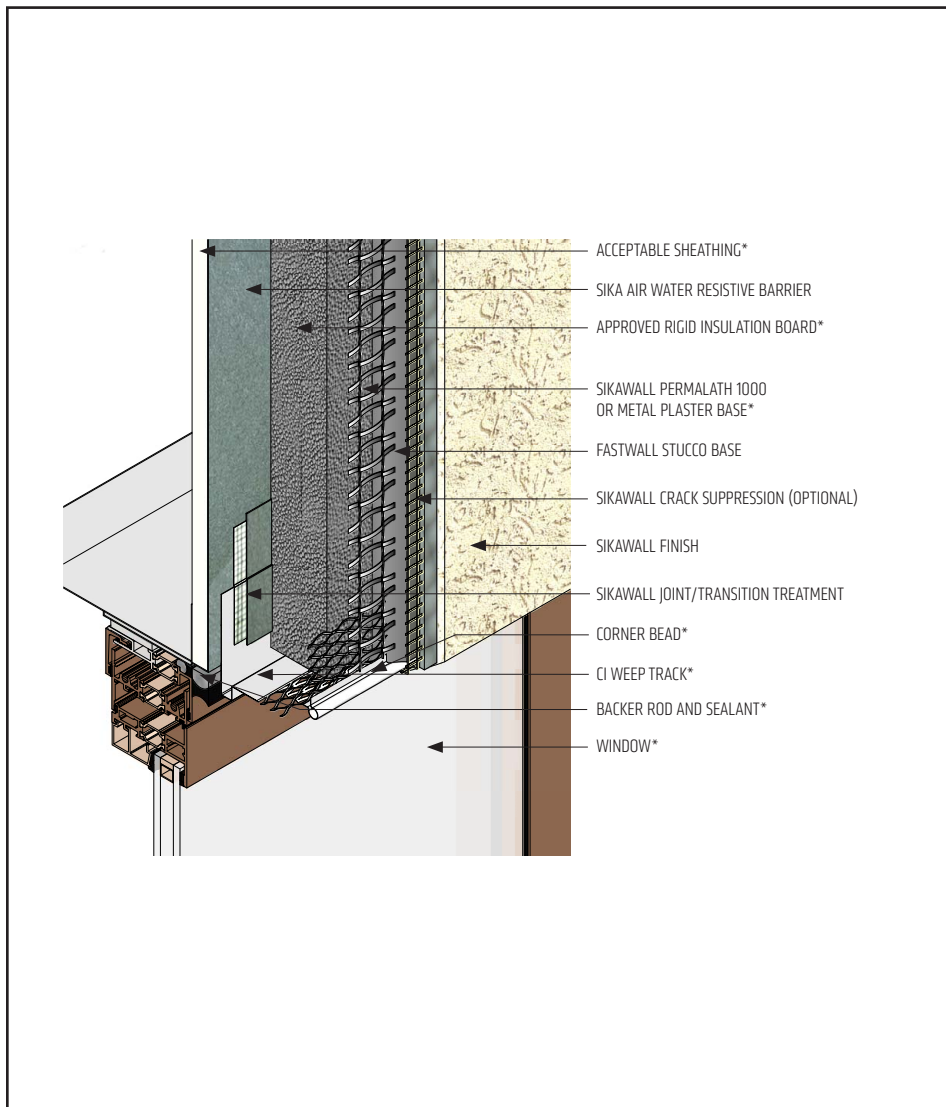
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Fastwall 100 CI WaterMaster Stucco

TYPICAL WINDOW HEAD (RECESSED)



- Use SikaWall Transition Treatment to lap on to the CI Weep Track flange.
- SikaWall Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Sika Air Water Resistive Barrier or SikaWall Flash Seal NP.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.

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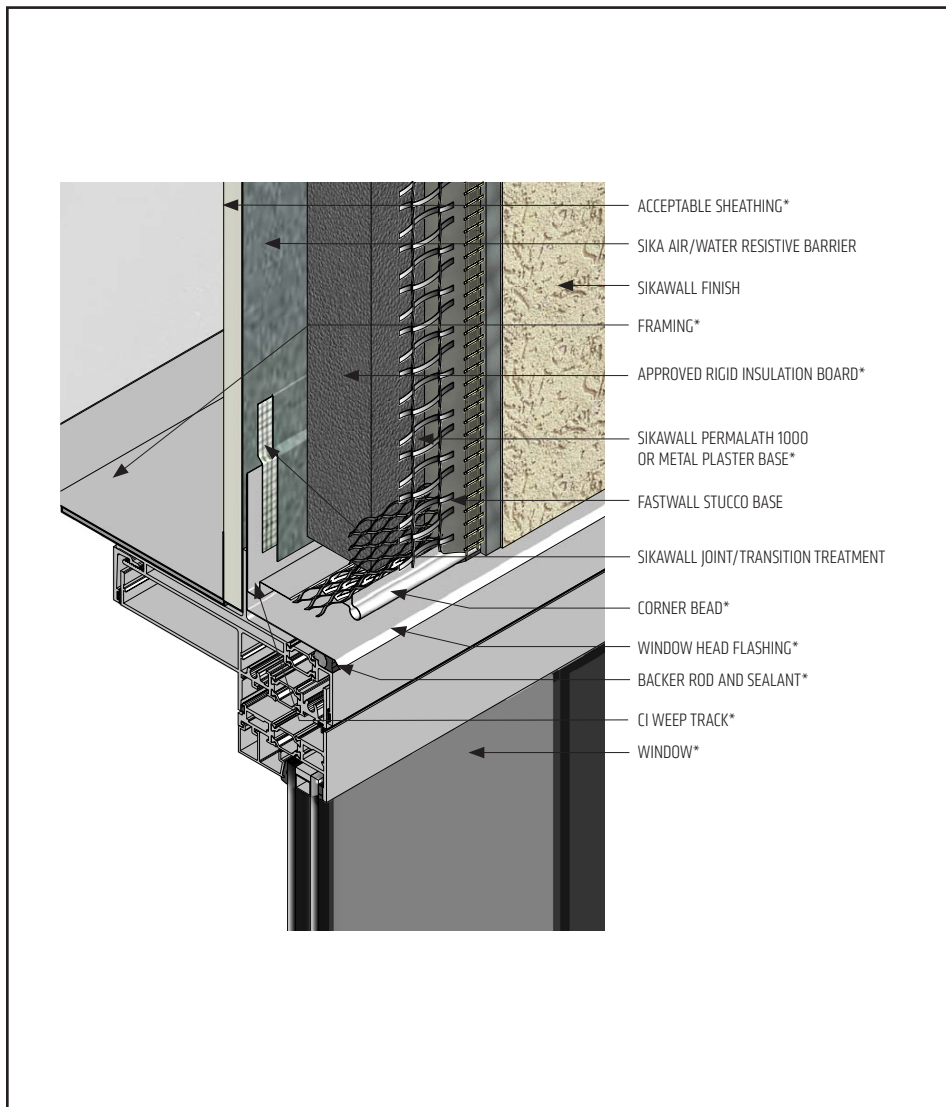
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TYPICAL FLANGED WINDOW HEAD



- As recommended by window manufacturer, apply sealant to back of window flange at head prior to installation of window.
- Use SikaWall Transition Treatment to lap on to the CI Weep Track flange.
- Provide end-dams at flashing terminations.
- Seal flashing drip edge to window frame.
- SikaWall Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Sika Water Resistive Barrier or SikaWall Flash Seal NP.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.

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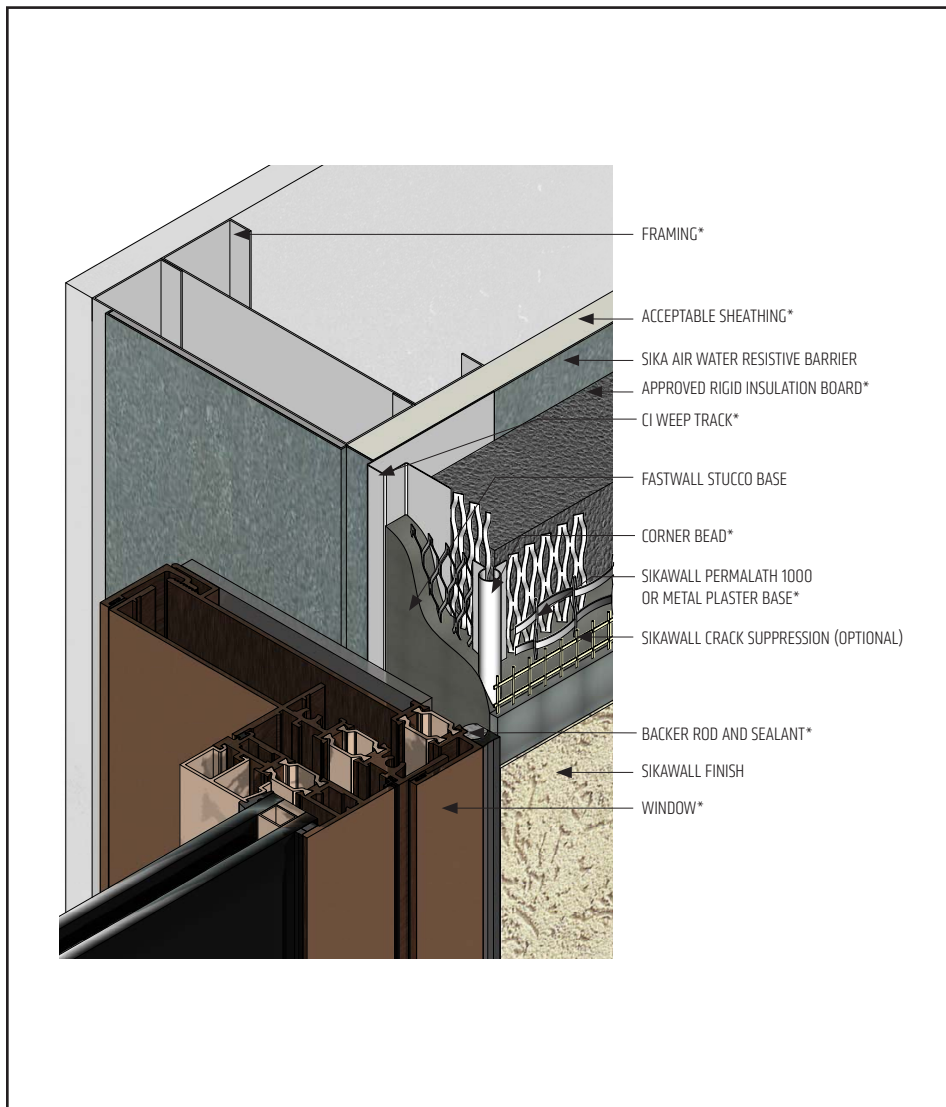
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TYPICAL WINDOW JAMB (FLUSH)



- Ensure Sika Air water Resistive Barrier and using SikaWall Joint/Transition Treatment are properly applied into rough opening in accordance with application guidelines. Reference Sika Air Water Resistive Barrier details.
- Do not apply finish into joint to receive sealant.
- Use non-hole punched version of CI Weep Track on jambs.
- SikaWall Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Sika Air Water Resistive Barrier or SikaWall Flash Seal NP.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.

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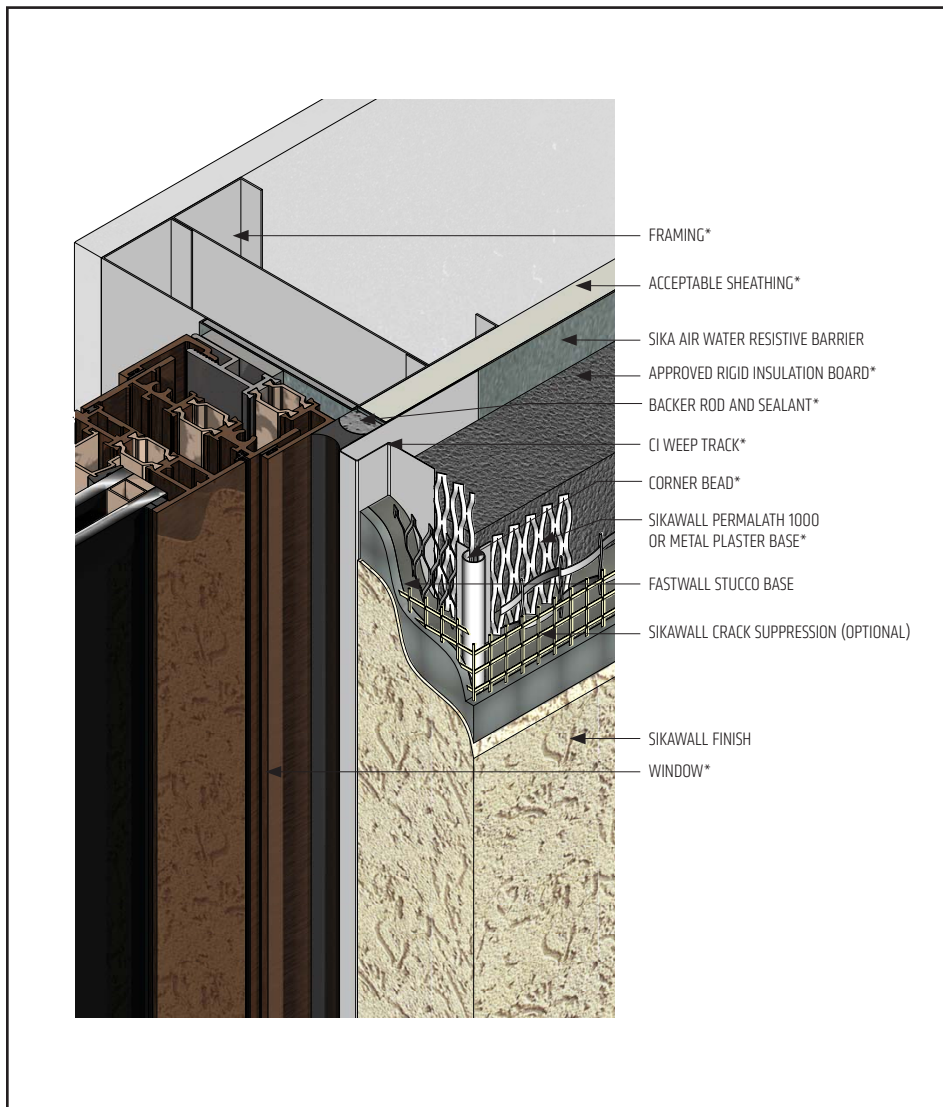
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TYPICAL WINDOW JAMB (RECESSED)



- Ensure Sika Air Water Resistive Barrier and using SikaWall Joint/Transition Treatment are properly applied into rough opening in accordance with application guidelines. Reference Sika air/water-resistive barrier details.
- Use non-hole punched version CI Weep Track on jambs.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.
- SikaWall Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Sika Air / Water-Resistive Barrier or SikaWall Flash Seal NP.

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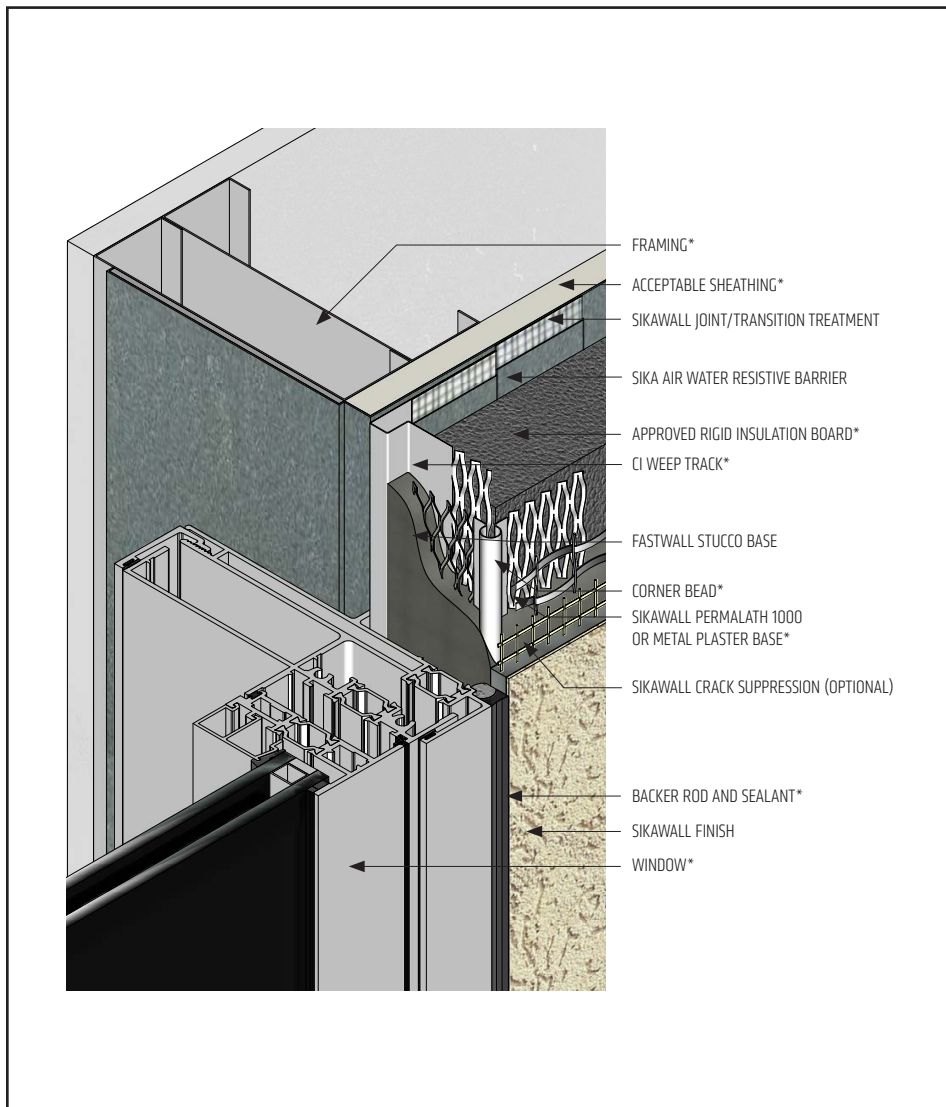
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TYPICAL FLANGED WINDOW JAMB



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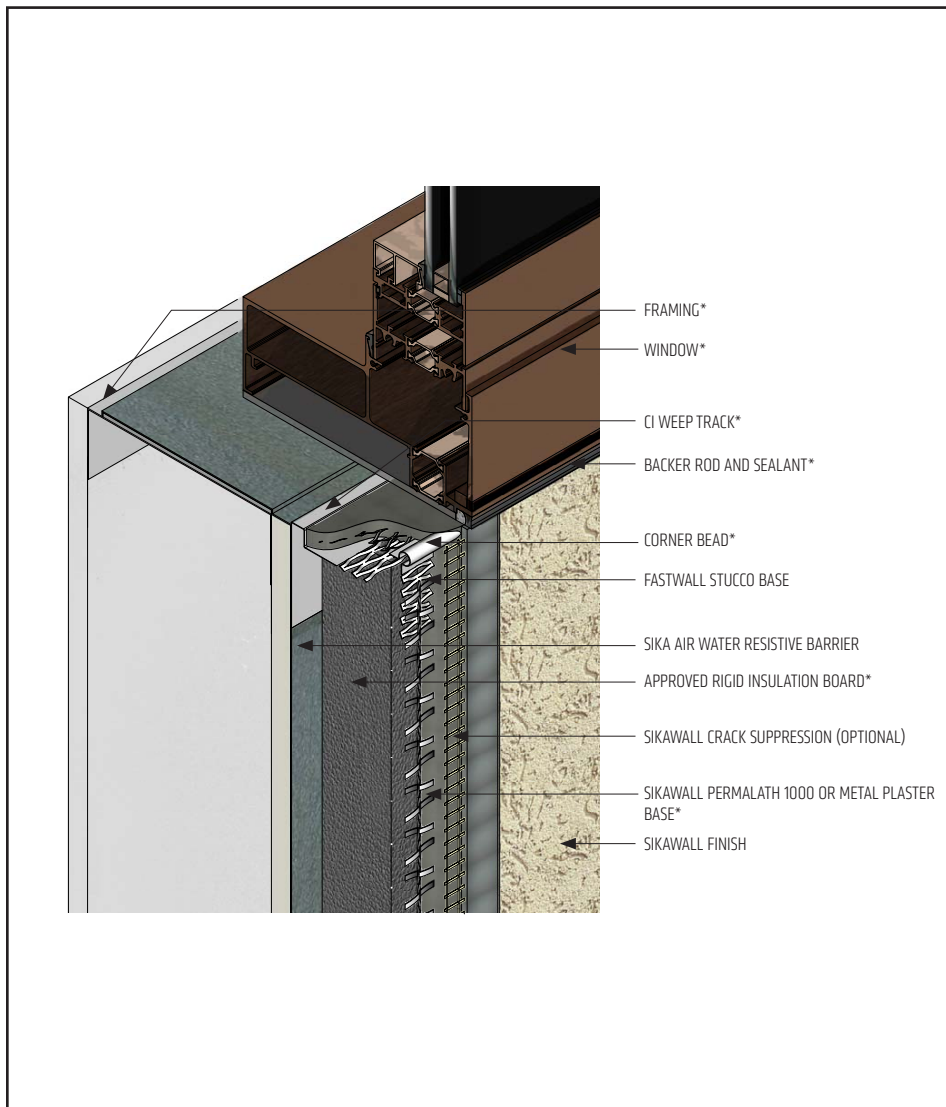
- Ensure Sika Air Water Resistive Barrier is properly applied into rough openings in accordance with application guidelines. Reference Sika air/water-resistive barrier details.
- As recommended by window manufacturer, apply sealant to back of window flange at jamb prior to installation of window.
- Use non-hole punched version of CI Weep Track on jambs.
- Use SikaWall Transition Treatment to lap on to the CI Weep Track flange.
- SikaWall Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Sika Air Water Resistive Barrier or SikaWall Flash Seal NP.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.
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TYPICAL WINDOW SILL (FLUSH)



- Ensure Sika Air Water Resistive Barrier is properly applied into rough opening in accordance with application guidelines. Reference Sika air/water-resistive barrier details.
- Do not apply finish into joint to receive sealant.
- Use non-hole punched version of CI Weep Track on sill.
- SikaWall Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Sika Air Water Resistive Barrier or SikaWall Flash Seal NP.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.

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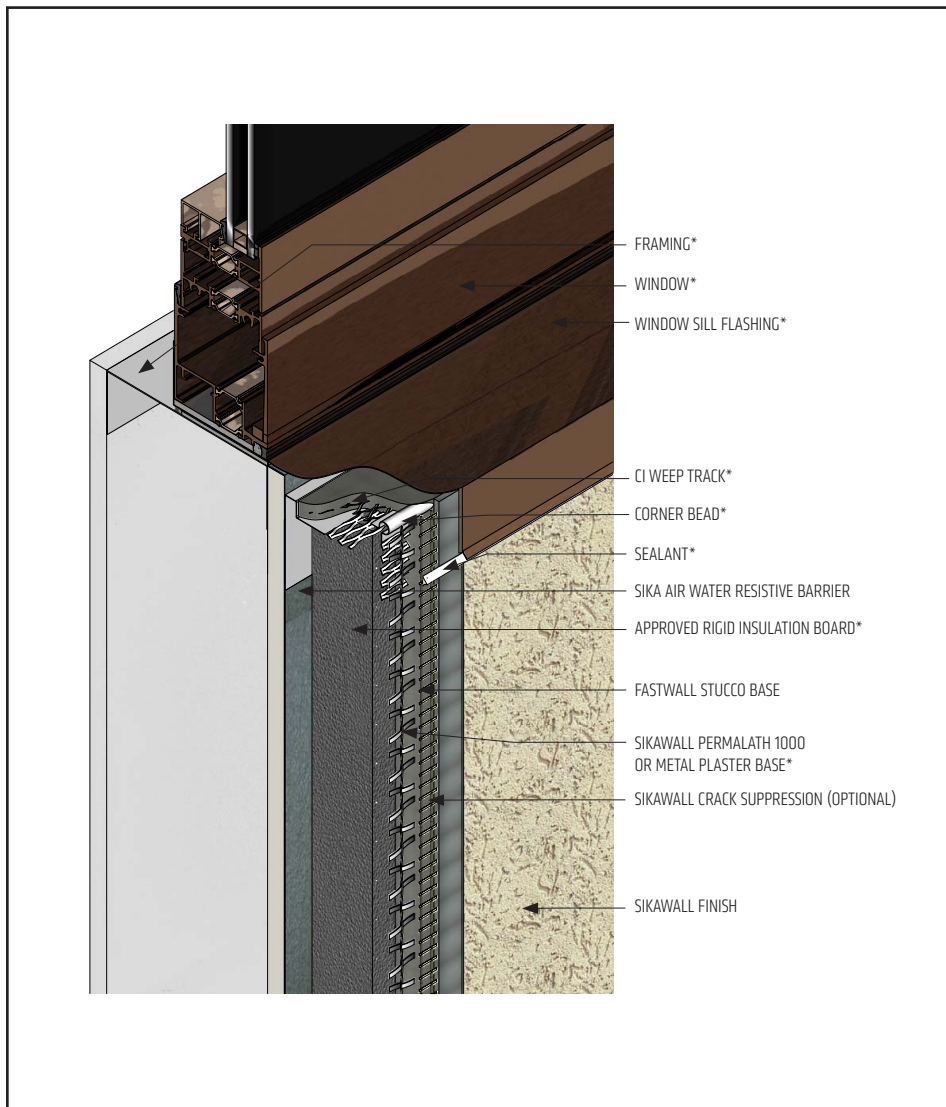
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Fastwall 100 CI WaterMaster Stucco

TYPICAL WINDOW SILL (RECESSED)



- Ensure Sika Air Water Resistive Barrier is properly applied into rough opening in accordance with application guidelines. Reference Sika air/water-resistive barrier details.
- Use non-hole punched version of CI Weep Track on sill.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.

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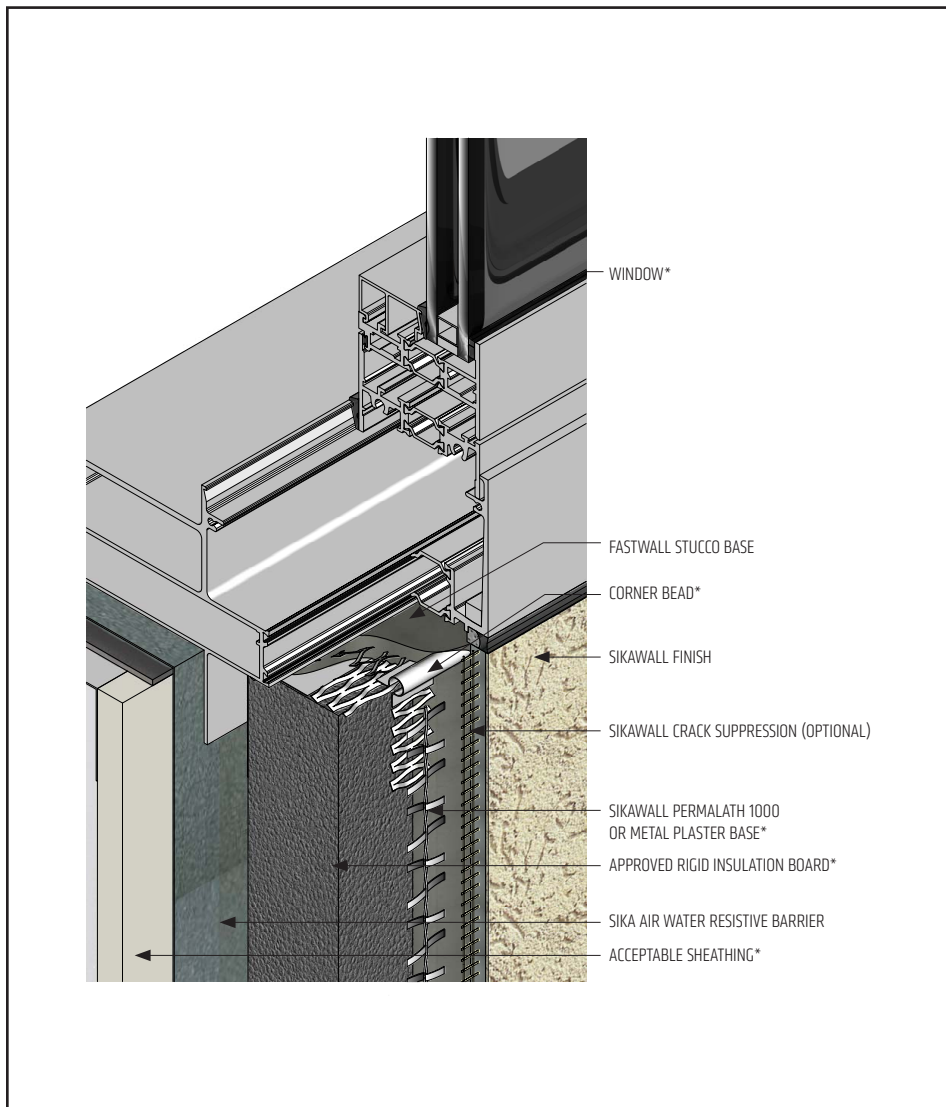
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Fastwall 100 CI WaterMaster Stucco

TYPICAL FLANGED WINDOW SILL



- Ensure Sika Air Water Resistive Barrier is properly applied into rough opening in accordance with application guidelines. Reference Sika air/water-resistive barrier details.
- Do not seal window sill flange unless recommended by window manufacturer.
- Use non-hole punched version of CI Weep Track on sill.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.

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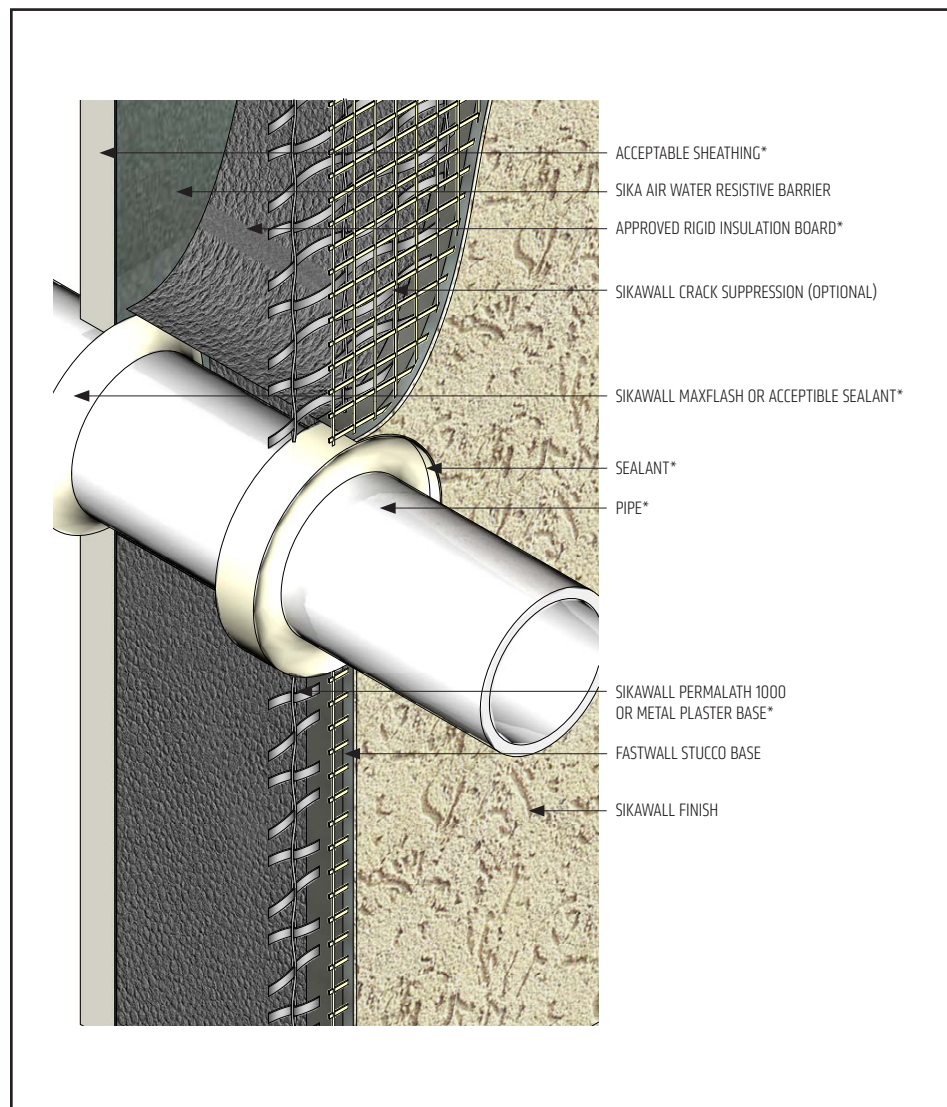
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Fastwall 100 CI WaterMaster Stucco

TYPICAL PIPE PENETRATION



- SikaWall Transition Treatment can be applied from sheathing onto pipe in lieu of the secondary seal.
- Ensure all penetrations through the Fastwall 100 WaterMaster CI system are properly sealed.
- Provide continuous air seal around perimeter of penetration prior to rigid insulation application.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.
- SikaWall Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Sika Air Water Resistive Barrier or SikaWall Flash Seal NP.
- Reference "Acceptable Sealants for use with Sika EIFS and Stucco Systems" Technical Bulletin for a list of sealants.

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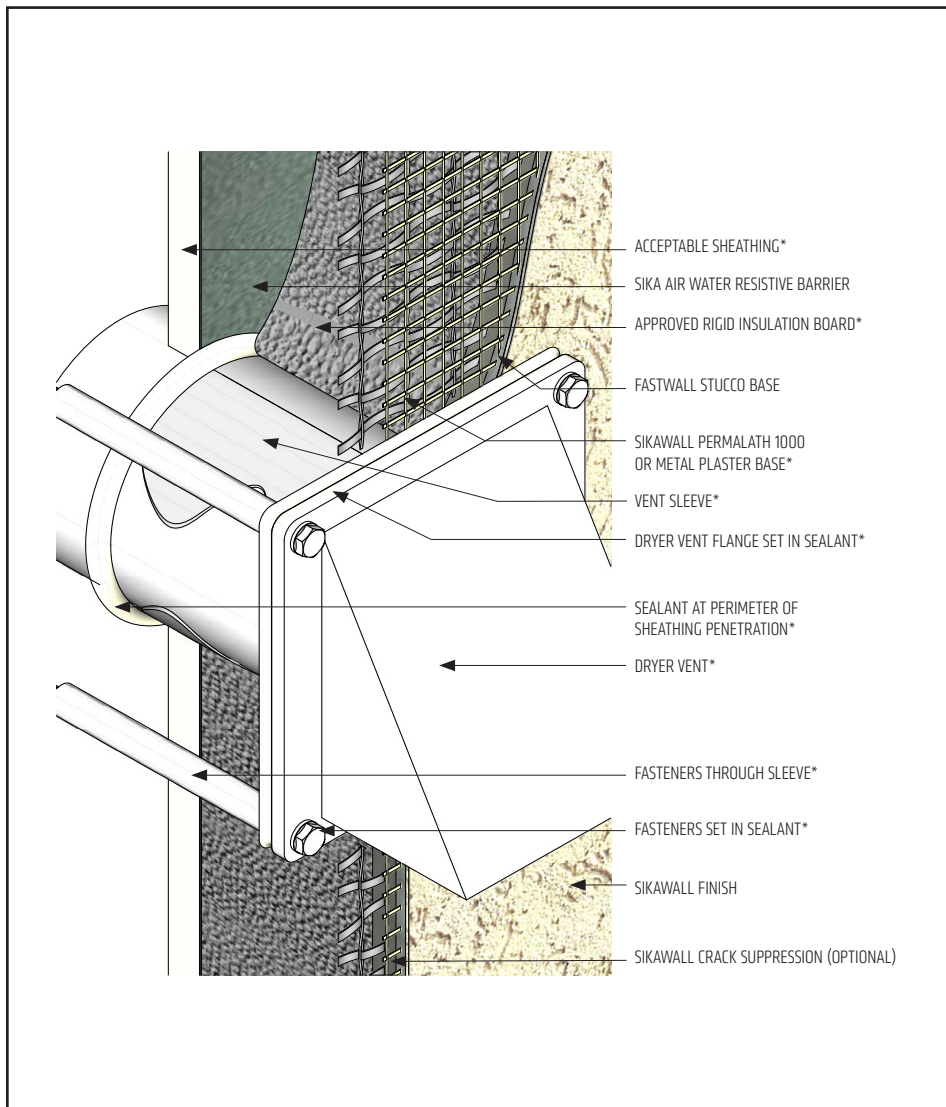
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Fastwall 100 CI WaterMaster Stucco

TYPICAL DRYER VENT



- SikaWall Transition Treatment can be applied from sheathing onto pipe in lieu of the secondary seal.
- Ensure all fastener penetrations through the Sika Fastwall 100 CI WaterMaster Stucco system are properly sealed.
- SikaWall Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Sika Air Water Resistive Barrier or SikaWall Flash Seal NP.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.

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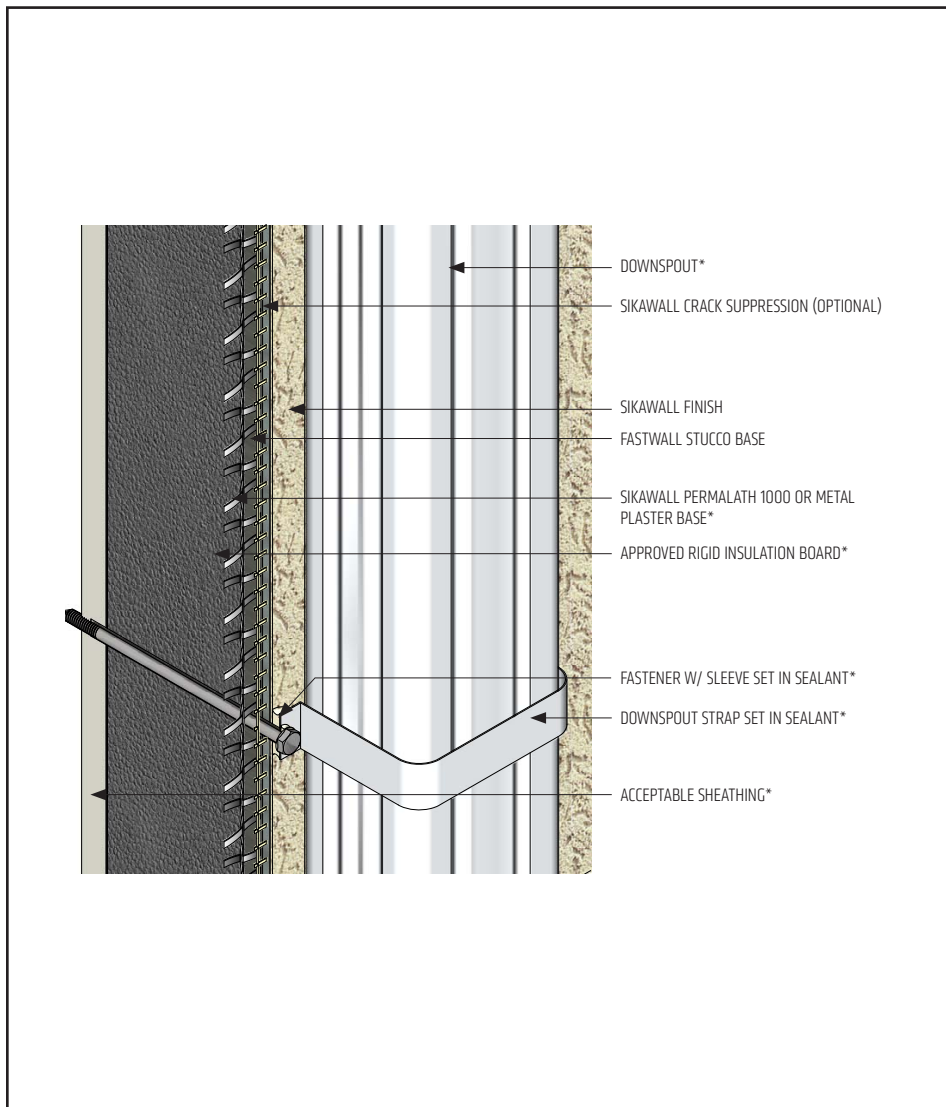
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Fastwall 100 CI WaterMaster Stucco

TYPICAL DOWNSPOUT



- Ensure all fastener penetrations through the Sika Fastwall 100 CI WaterMaster Stucco system are properly sealed.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.

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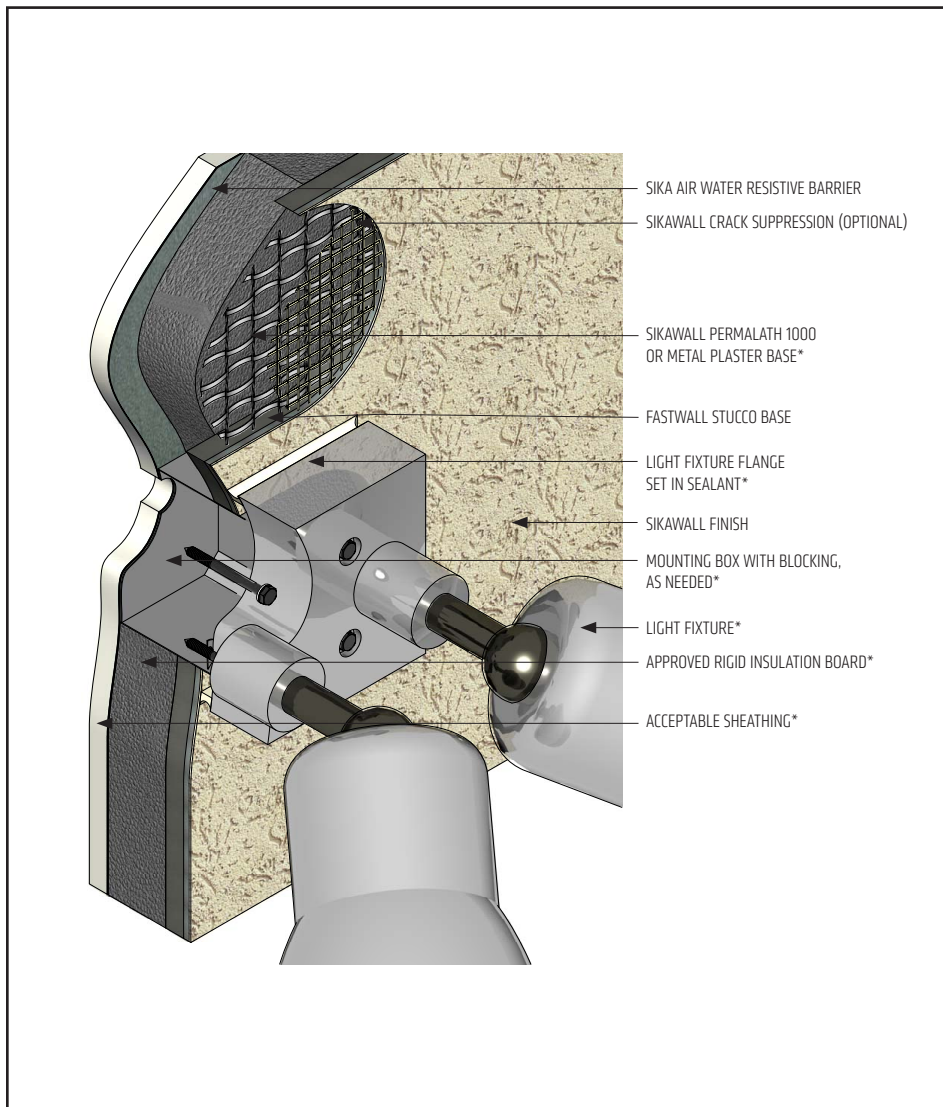
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Fastwall 100 CI WaterMaster Stucco

TYPICAL LIGHT FIXTURE



- Ensure all penetrations through the Sika Fastwall 100 CI WaterMaster Stucco system are properly sealed.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.

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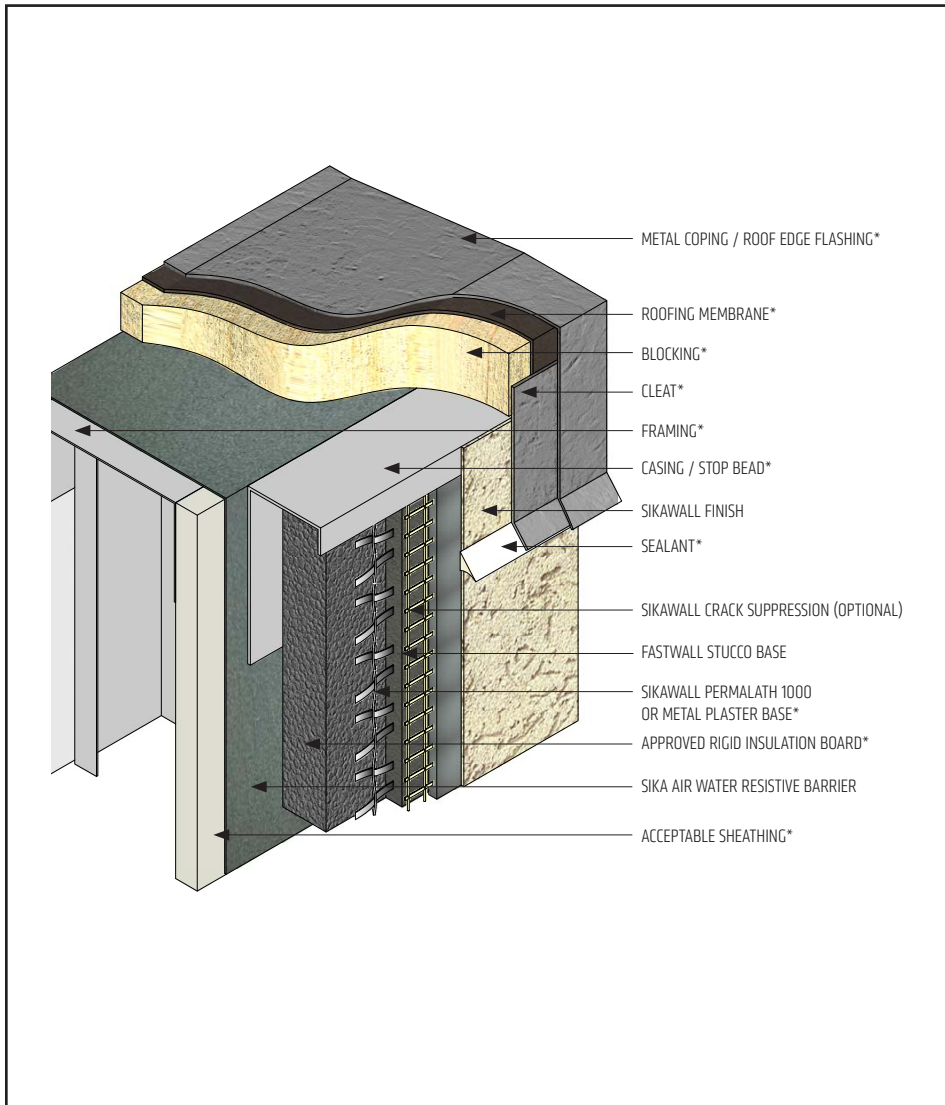
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Fastwall 100 CI WaterMaster Stucco

TYPICAL TERMINATION AT METAL COPING / ROOF EDGE FLASHING – OPTION 01



- Lap coping or roof edge flashing over the Sika Fastwall 100 CI WaterMaster Stucco system a minimum of 2" (50 mm) with drip edge sealed.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.
- Extend Sika Air Water Resistive Barrier or SikaWall MaxFlash onto bottom of blocking or provide alternate air seal at sheathing termination to blocking.
- Reference "Acceptable Sealants for use with Sika EIFS and Stucco Systems" Technical Bulletin for a list of sealants.

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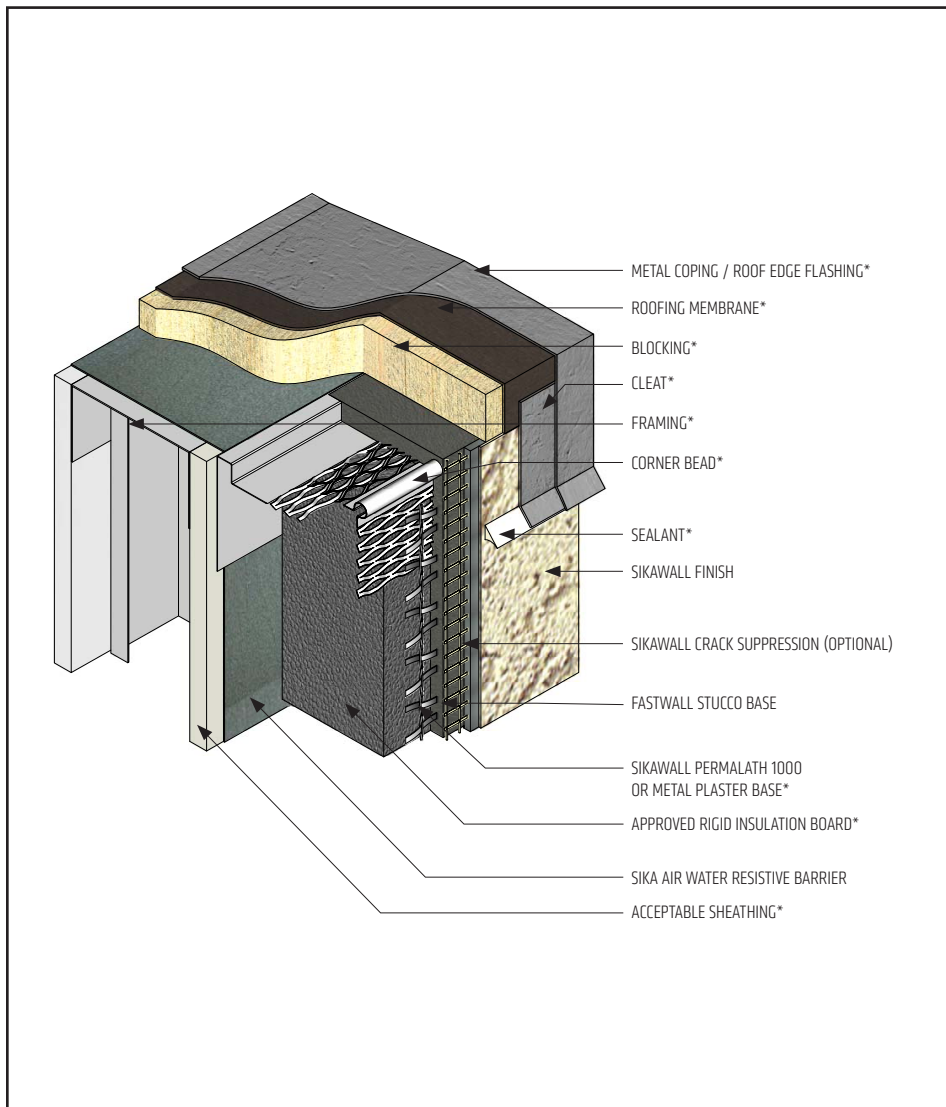
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Fastwall 100 CI WaterMaster Stucco

TYPICAL TERMINATION AT METAL COPING / ROOF EDGE FLASHING – OPTION 02



- Lap coping or roof edge flashing over the Sika Fastwall 100 CI WaterMaster Stucco Plus system a minimum of 2" (50 mm) with drip edge sealed.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.
- Extend Sika Air Water Resistive Barrier or SikaWall MaxFlash onto bottom of blocking or provide alternate air seal at sheathing termination to blocking.
- Reference "Acceptable Sealants for use with Sika EIFS and Stucco Systems" Technical Bulletin for a list of sealants.

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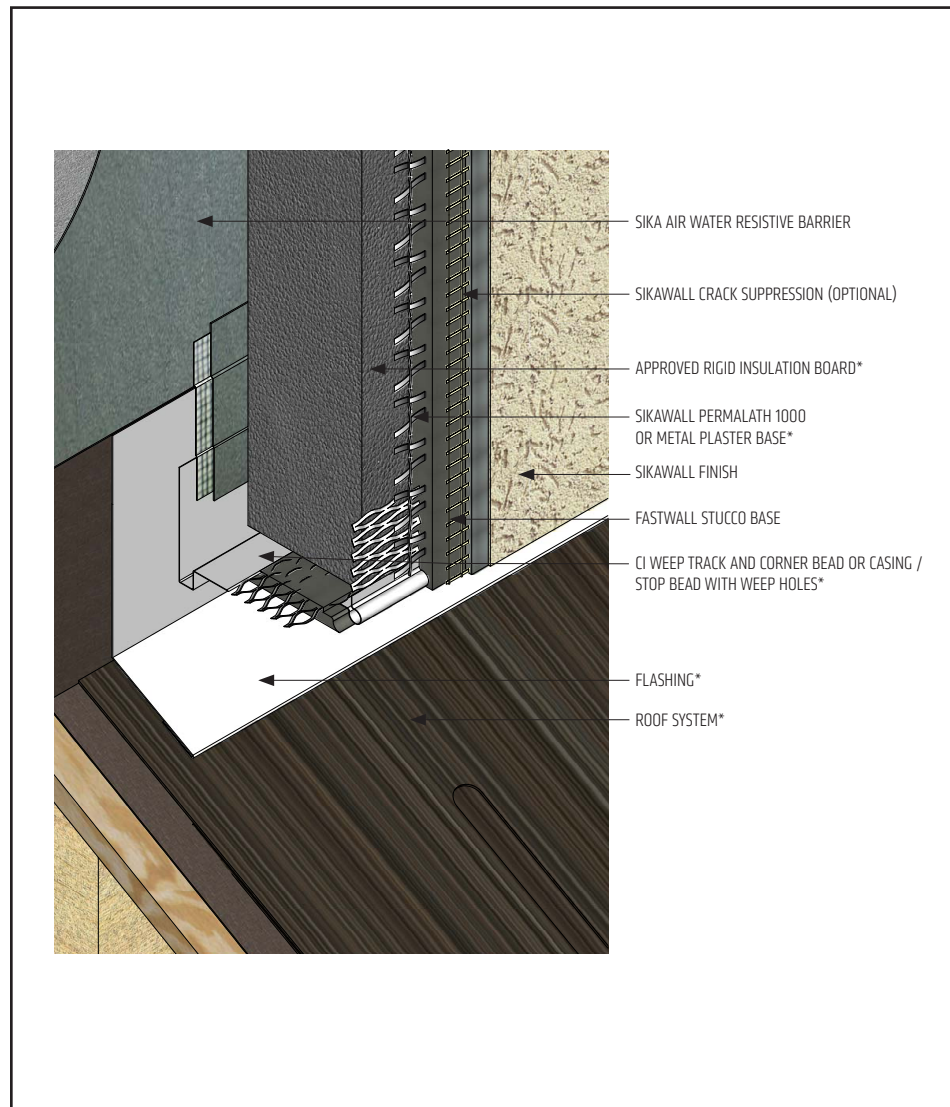
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Fastwall 100 CI WaterMaster Stucco

TYPICAL FASTENING / TERMINATION AT ROOF



- Use SikaWall Transition Treatment to lap on to the CI Weep Track flange.
- Terminate Sika Fastwall 100 CI WaterMaster Stucco system a minimum of 2" (50 mm) above sloped roof.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.
- SikaWall Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Sika Air Water Resistive Barrier or SikaWall Flash Seal NP.

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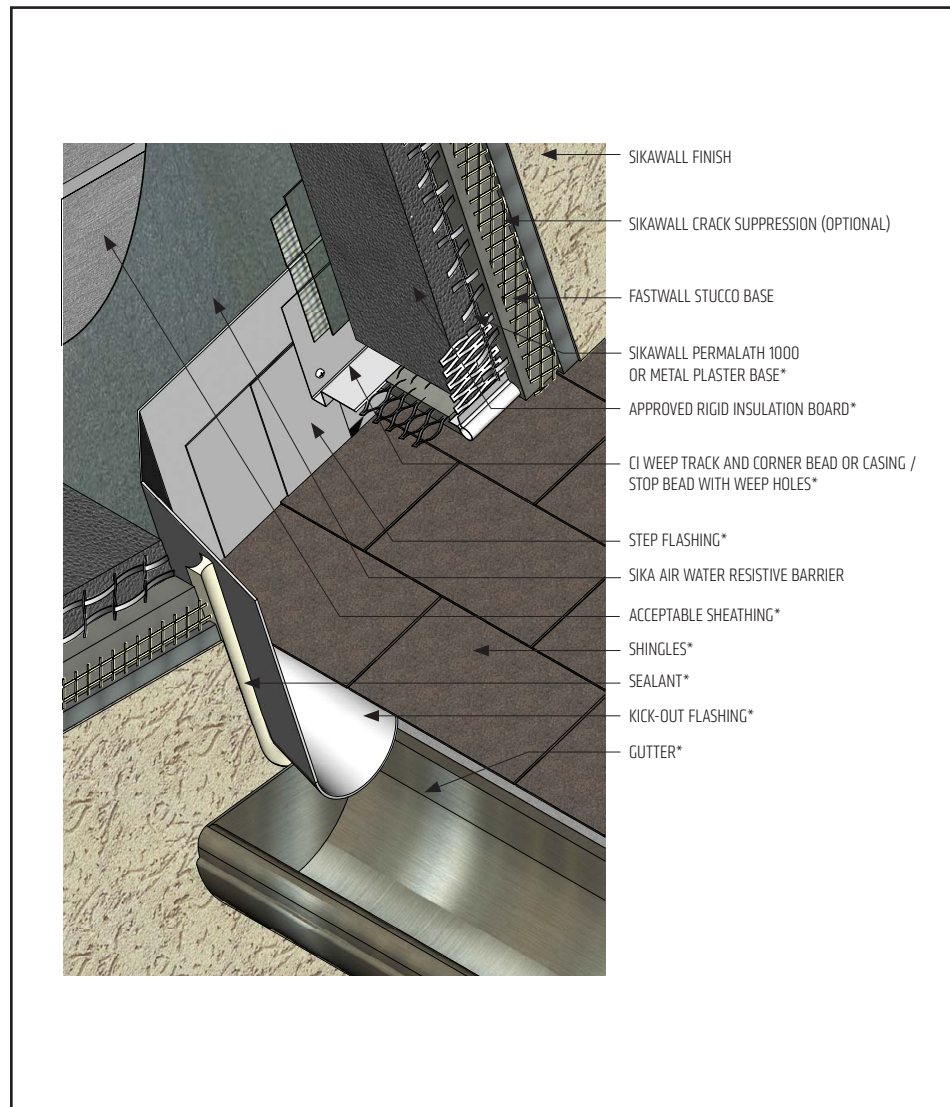
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Fastwall 100 WaterMaster CI Stucco

TYPICAL KICK-OUT FLASHING



- Use SikaWall Transition Treatment to lap on to the CI Weep Track flange.
- Terminate Fastwall 100 WaterMaster CI system a minimum of 2" (50 mm) above sloped roof.
- Extend step flashing 2" (50 mm) behind Fastwall 100 WaterMaster CI system.
- Kickout flashing: sealed or soldered seams, recommended minimum 4" (100 mm) in height, extend 2" (50 mm) from wall and angled to direct water into gutter/away from wall surface.
- SikaWall Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Sika Air Water Resistive Barrier or SikaWall Flash Seal NP.
- SikaWall Crack Suppression: SikaWall Reinforcing Mesh or SikaWall SRT Mesh embedded in SikaWall Base Coat, SikaWall Stucco Surface Leveler, or SikaWall Stucco Level Coat.

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