



Teifs AIRTIGHT WALL SYSTEM

Installation Guidelines

WARNING:

This product is a component part of a complete TEIFS WALL SYSTEM. Specifications require that only approved, trained or otherwise knowledgeable applicators install such systems. TEIFS cannot be responsible for deterioration of the substrate, mold, mildew and wood rot due to water intrusion or entrapment from causes such as improperly installed windows; windows that leak at the miter joints, mullions, or through improperly installed glazing; improper flashing, lack of flashing or use of improper flashing materials; use of improper sealants; or inadequate specifications, details or installation of the TEIFS WALL SYSTEM. Sealants and flashing will also deteriorate over time if not maintained. Maintenance of the TEIFS WALL SYSTEM is required. No exterior insulation finish system should be installed on a residential project, (or any other projects as required by the applicable model code), without providing for a secondary weather resistant barrier.

TeifsAIRTIGHT WALL SYSTEM

Installation Guidelines

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NOTE: For details not shown, contact Teifs Technical Department for application instructions.

TEIFSAIRTIGHT WALL SYSTEM

GENERAL NOTES

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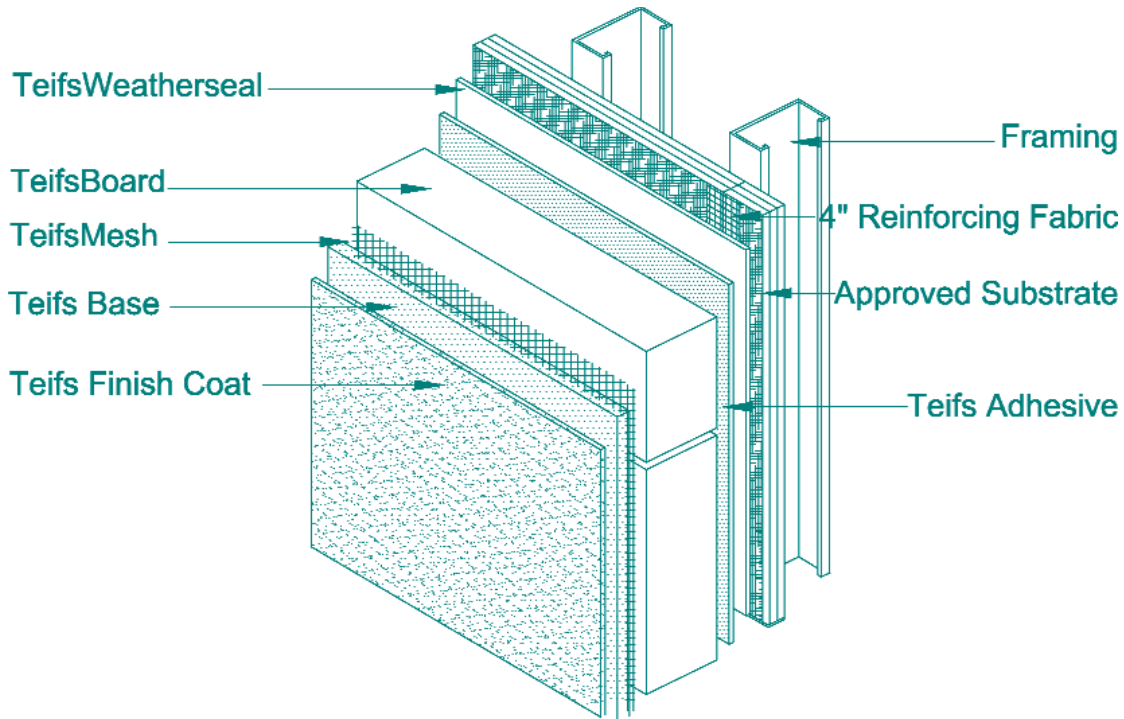
TEIFS offers a variety of wall systems that include weather barrier and drainage options, to better protect the wall assembly. TEIFS cannot be responsible for deterioration of the substrate, mold, mildew and wood rot due to water intrusion or entrapment from causes such as improperly installed windows; windows that leak at the miter joints, mullions, or through improperly installed glazing; improper flashing, lack of flashing or use of improper flashing materials; use of improper sealants; or inadequate specifications, details or installation of the TEIFS WALL SYSTEM. Sealants and flashing will also deteriorate over time if not maintained. Maintenance of the TEIFS WALL SYSTEM is required.

DISCLAIMER:

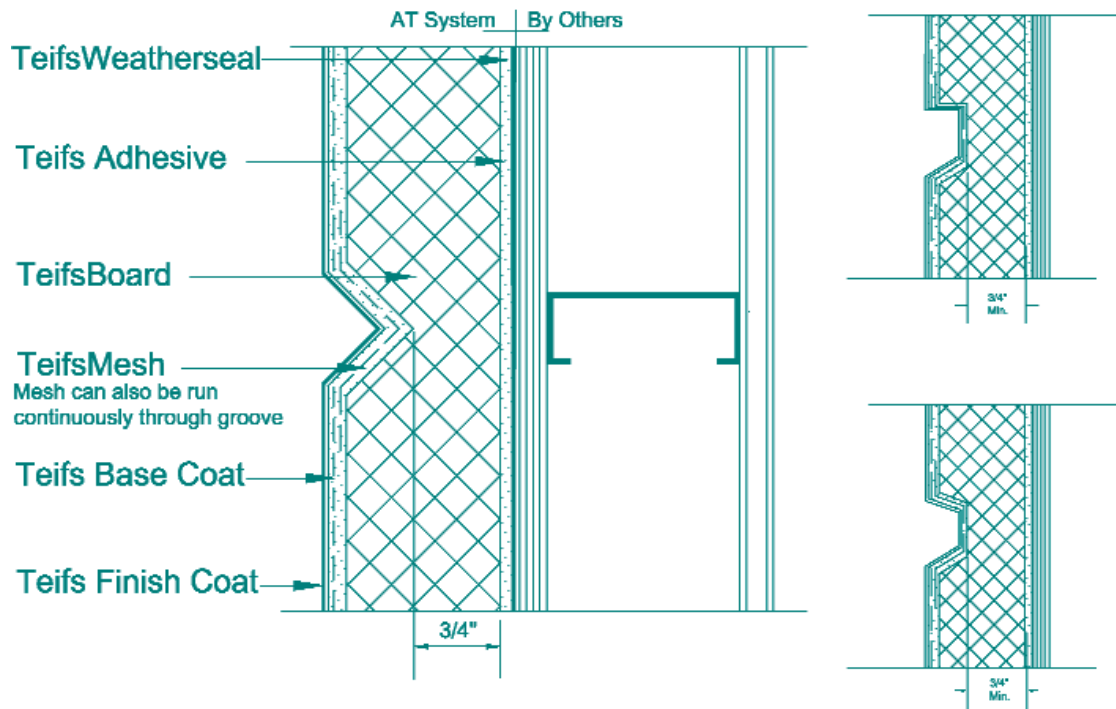
The design specifications and construction of TeifsAIRTIGHT shall comply with all local building codes and standards. Teifs details and specifications are for general information and guidance only and apply only to new construction after 2004. They are not intended for use with inspections, retrofit or repair. These guidelines are not intended as an exclusive method of obtaining desired results and other configurations may achieve equal or better performance. Teifs specifically disclaims any design liability for the use of this detail and for the design, engineering, or workmanship of any project. The wall assembly shall be designed to prevent condensation within the assembly. The licensed professional and the user shall approve final drawings and specifications.

GENERAL DETAILS

TEIFS AIRTIGHT WALL SYSTEM AT.101



AESTHETIC GROOVE AT.102

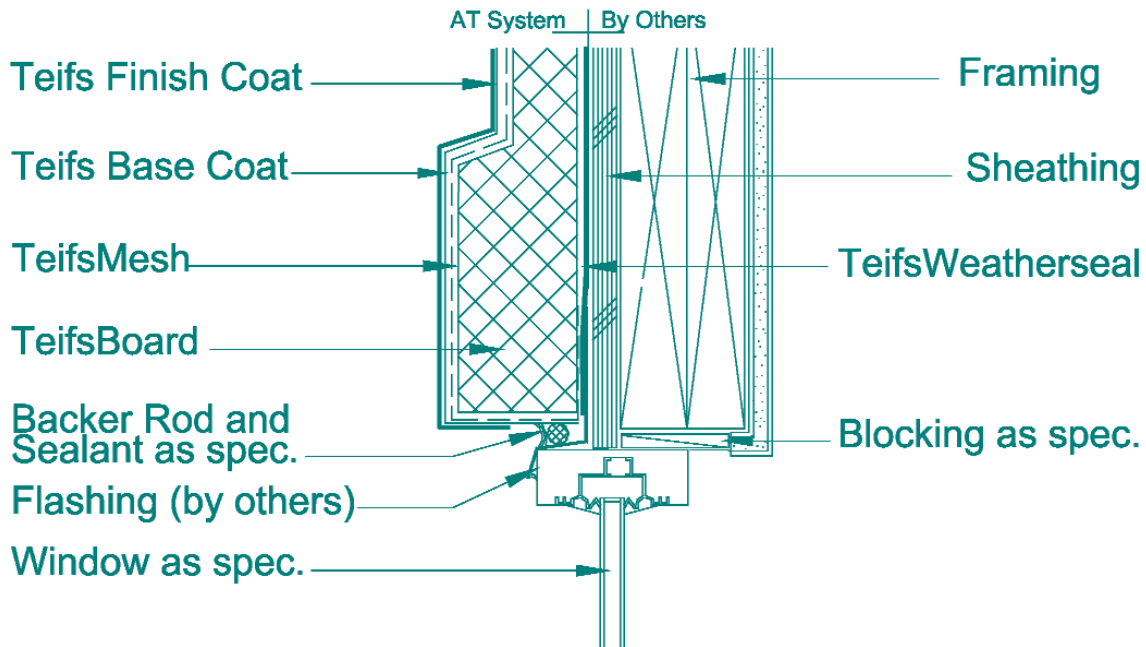


1. Use TeifsMesh to reinforce reveals and overlap w/TeifsMesh min. 64-mm (2 1/2 in).
2. Do not locate reveals at stress areas such as corners of windows, doors, etc.
3. Maintain 19 mm (3/4 in) thickness between substrate and reveals.

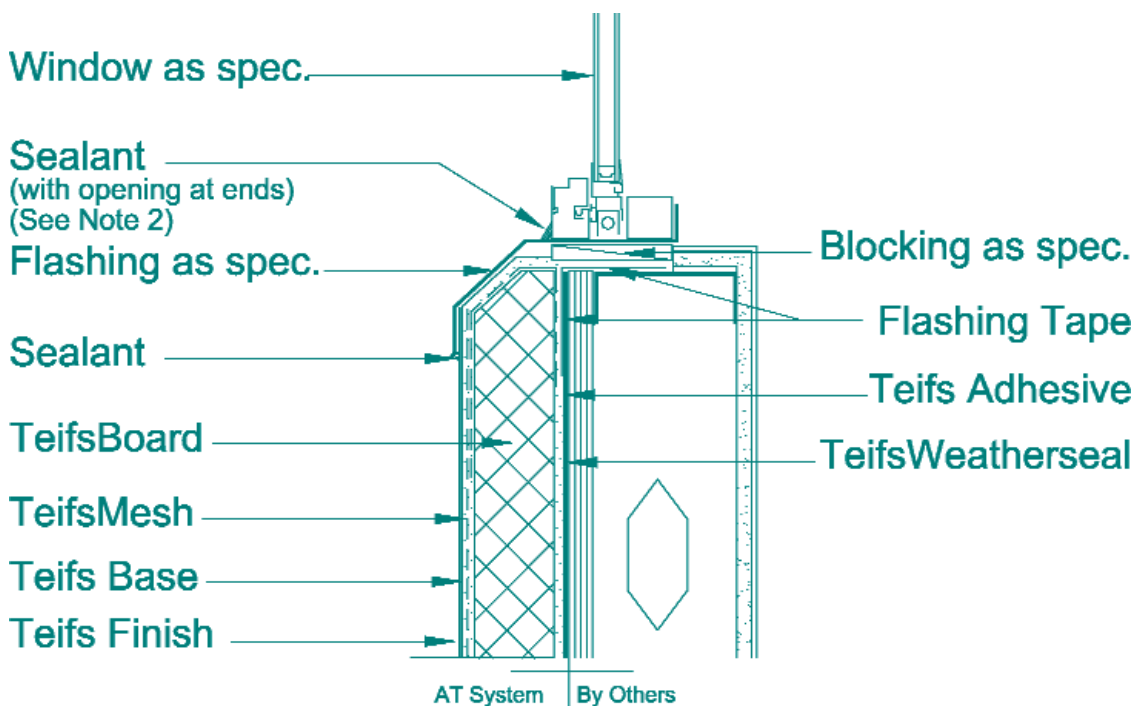
OPENINGS

1. Windows shall be protected from water intrusion.
2. Flashing is supplied and designed by others.
3. Head flashing shall be provided as specified by the architect/designer, or as required by applicable building codes or window manufacturer.
4. Protect the rough opening from water penetration by wrapping the opening with a waterproof membrane.
5. See Teifs Flashing Bulletin for protection of the rough opening.

WINDOW HEAD AT.201

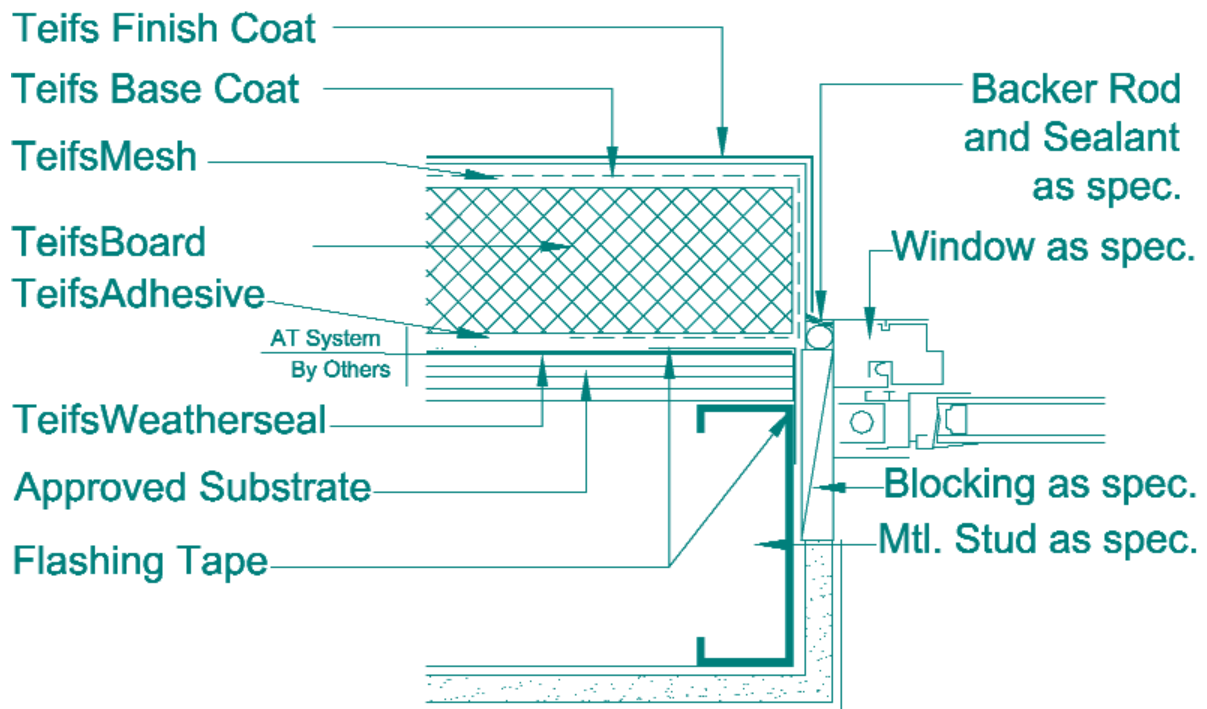


WINDOW SILL AT.202



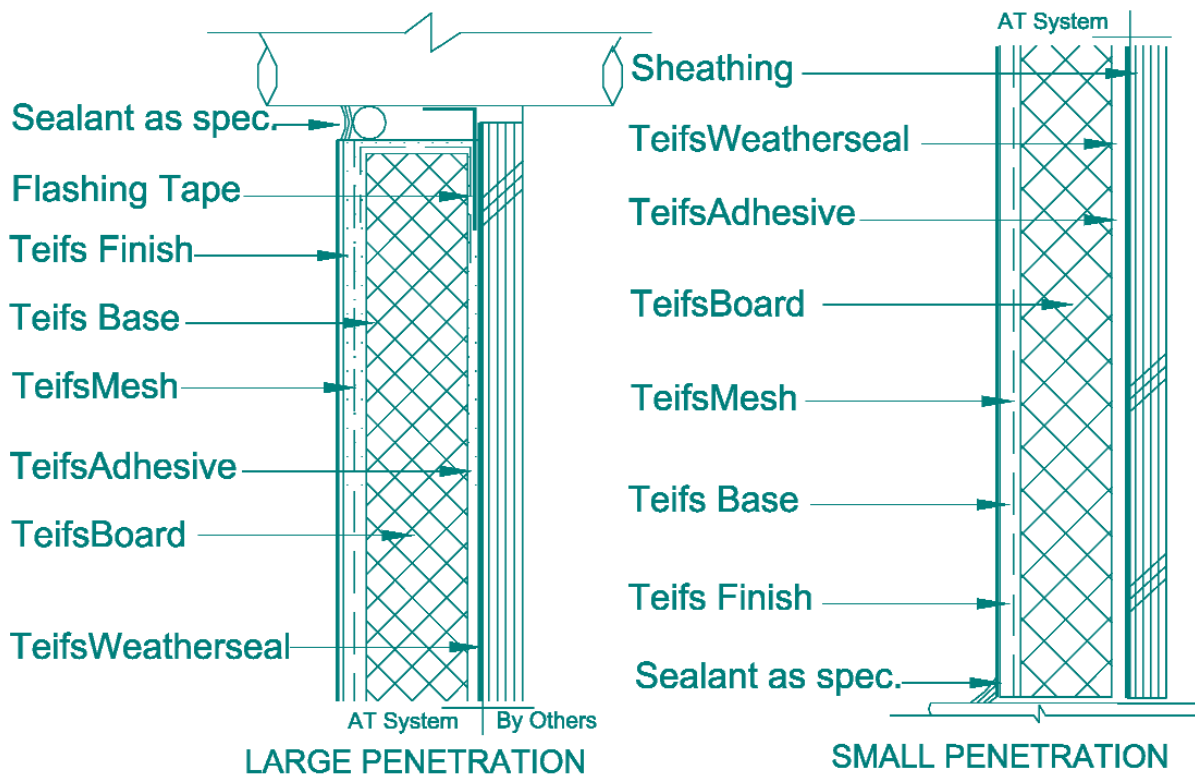
WINDOW JAMB

AT.203



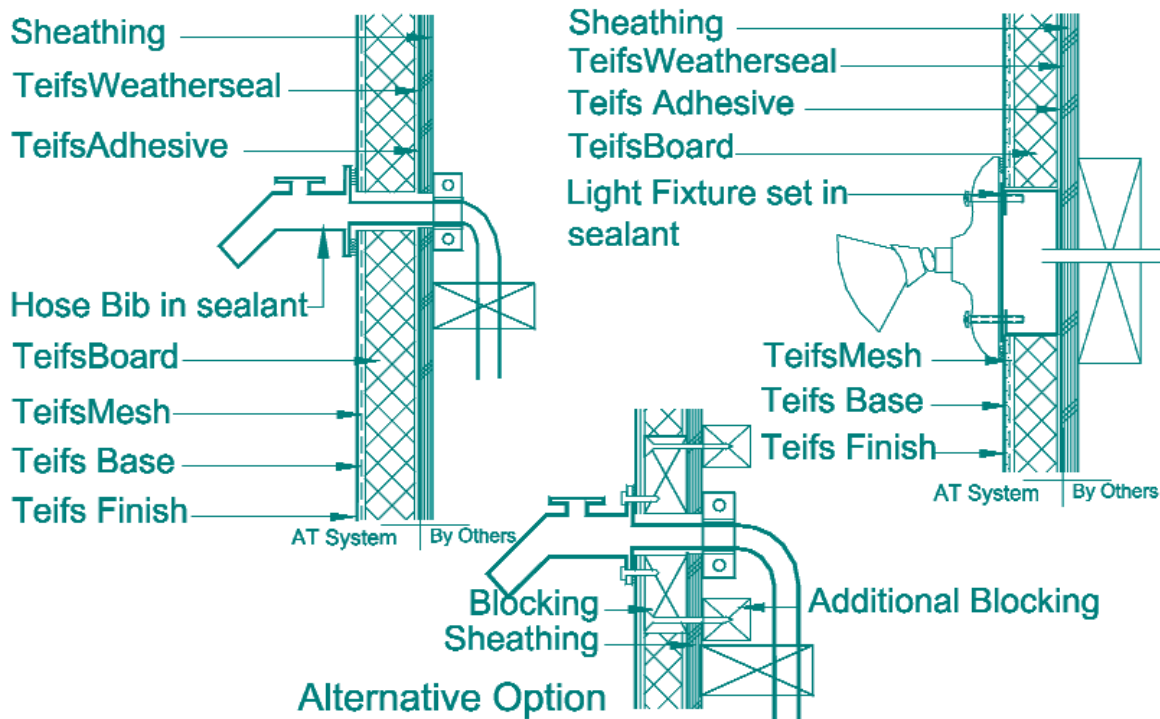
PENETRATIONS

AT.204



PENETRATION (HOSE BIB/LIGHT FIXTURE)

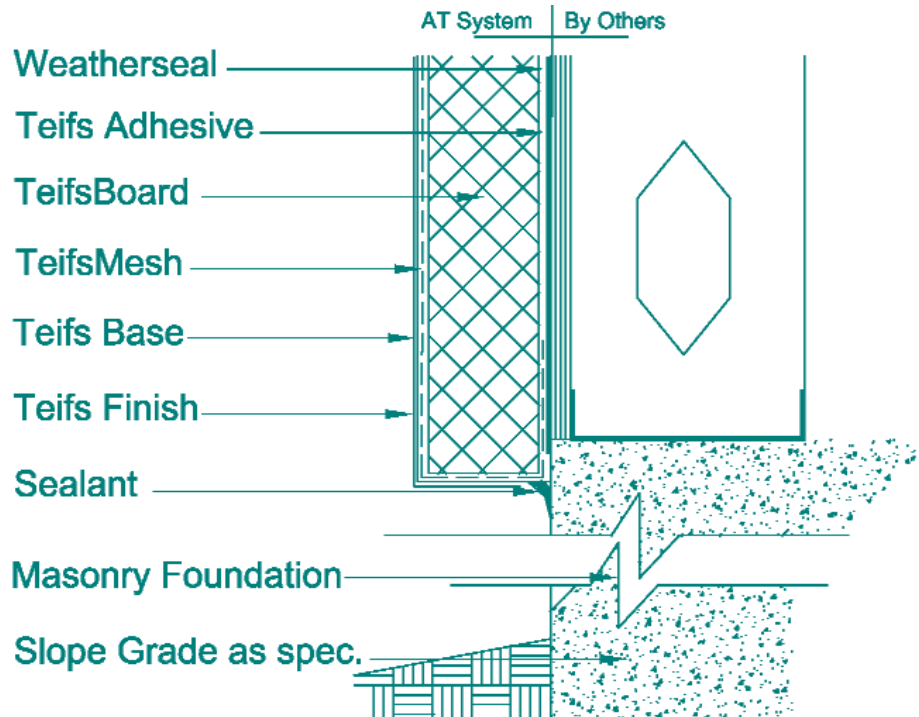
AT.205



TERMINATIONS

TERMINATION AT GRADE

AT.301

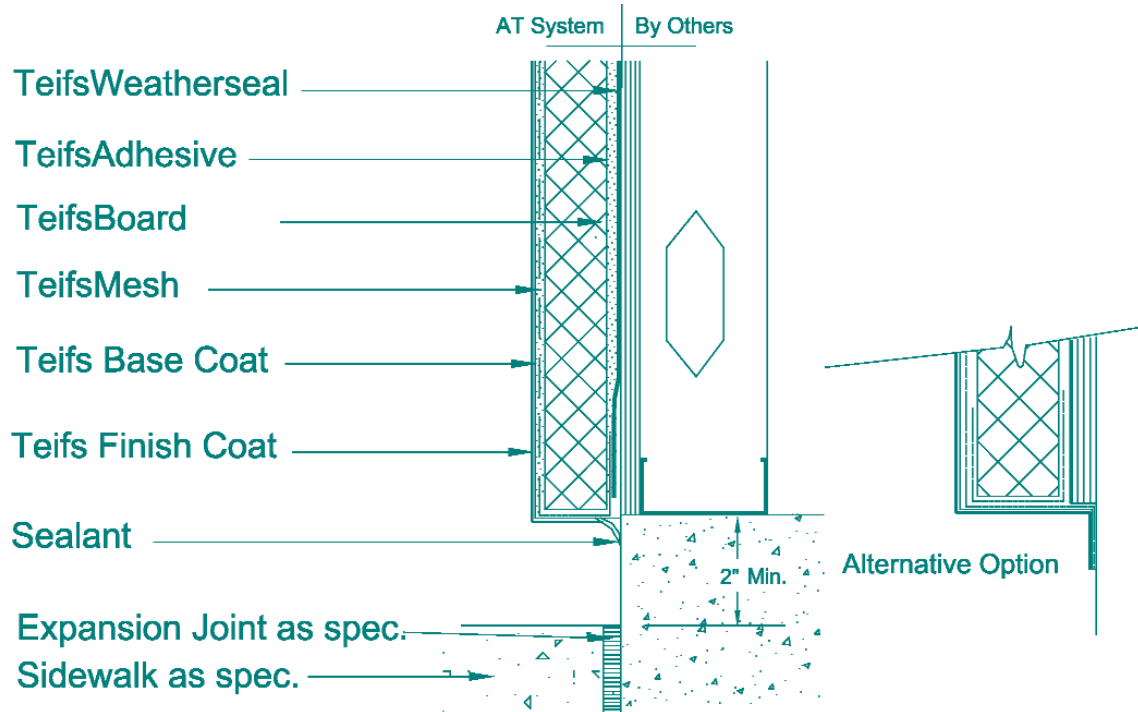


1. TEIFS recommends the use of high impact mesh at grade levels. High impact areas utilizing 15 or 20 oz. reinforcing mesh should be noted on detail.
2. Specifier should consider whether they need a finished material

- to the exterior wall surface below the termination of the EIFS, e.g. painted concrete, skim or parge coat.
3. Stop system above grade as regulated by the local building code.

TERMINATION AT SIDEWALK

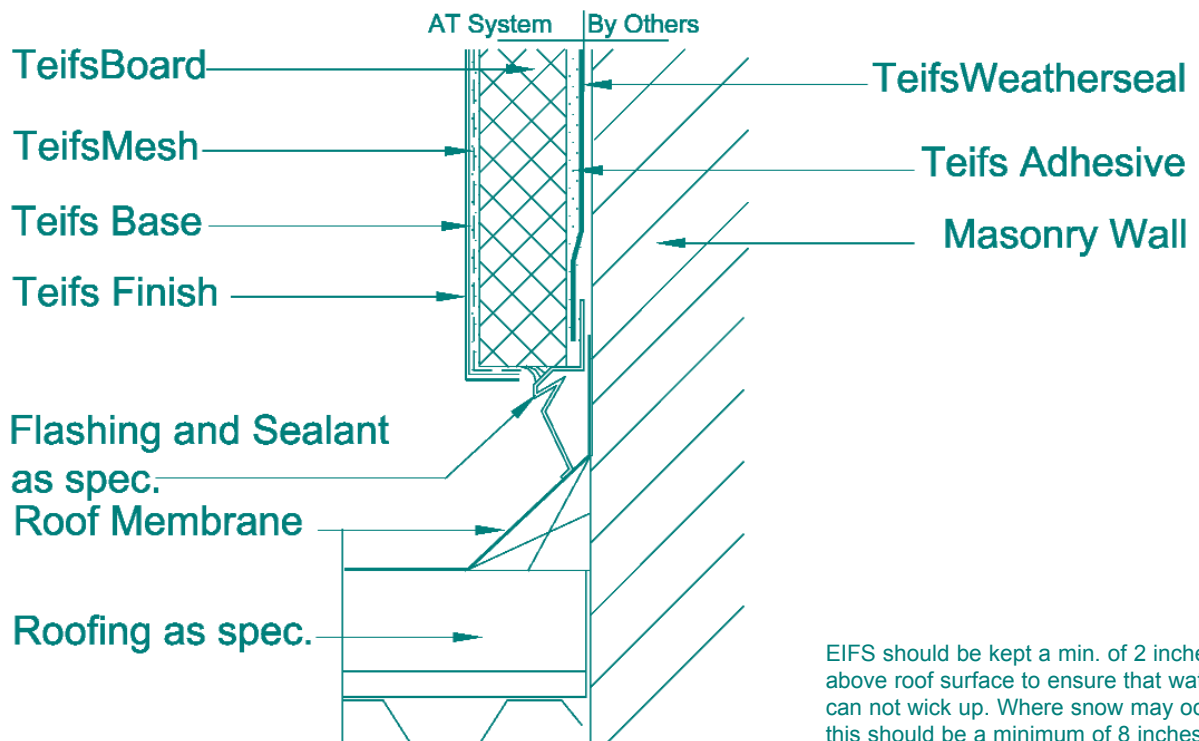
AT.302



1. Teifs recommends the use of high impact mesh at grade levels. High impact areas utilizing 15 or 20 oz. reinforcing mesh should be noted on detail.
2. Specifier should consider whether they need a finished material to the exterior wall surface below the termination of the EIFS, e.g. painted concrete, skim or parge coat.
3. EIFS should be kept 51 mm (2-in) above sidewalk to avoid damaging the bottom of EIFS due to future uplift of sidewalk. Where snow may occur, this should be a minimum of 8 inches.

TERMINATION AT ROOF

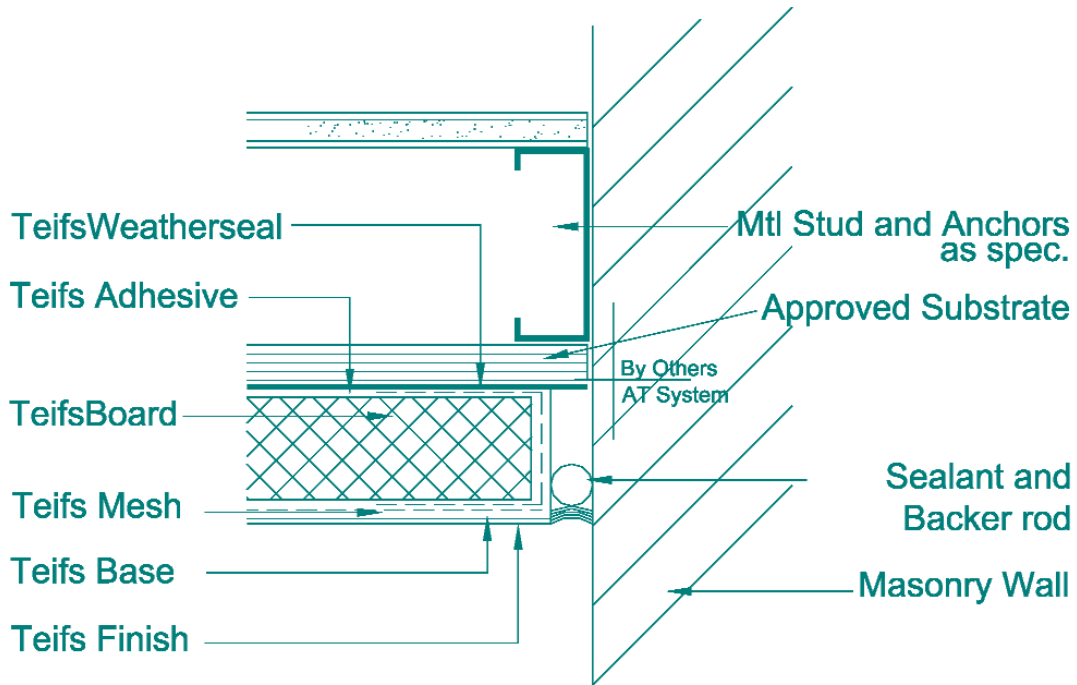
AT.303



EIFS should be kept a min. of 2 inches above roof surface to ensure that water can not wick up. Where snow may occur, this should be a minimum of 8 inches.

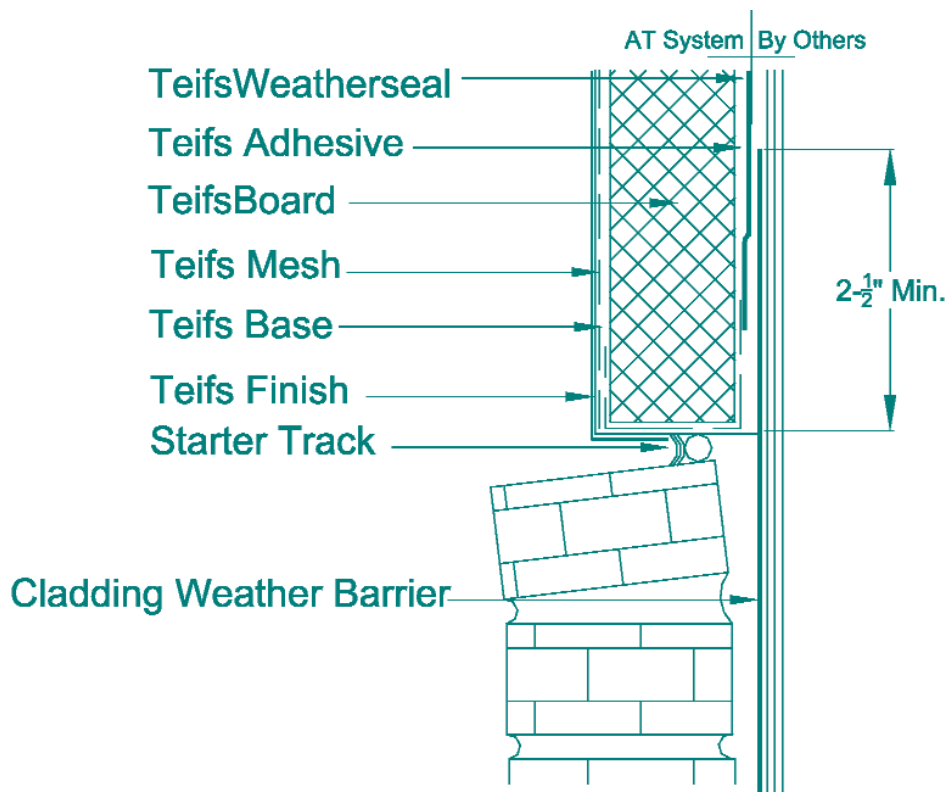
TERMINATION AT DISSIMILAR SUBSTRATE

AT.304



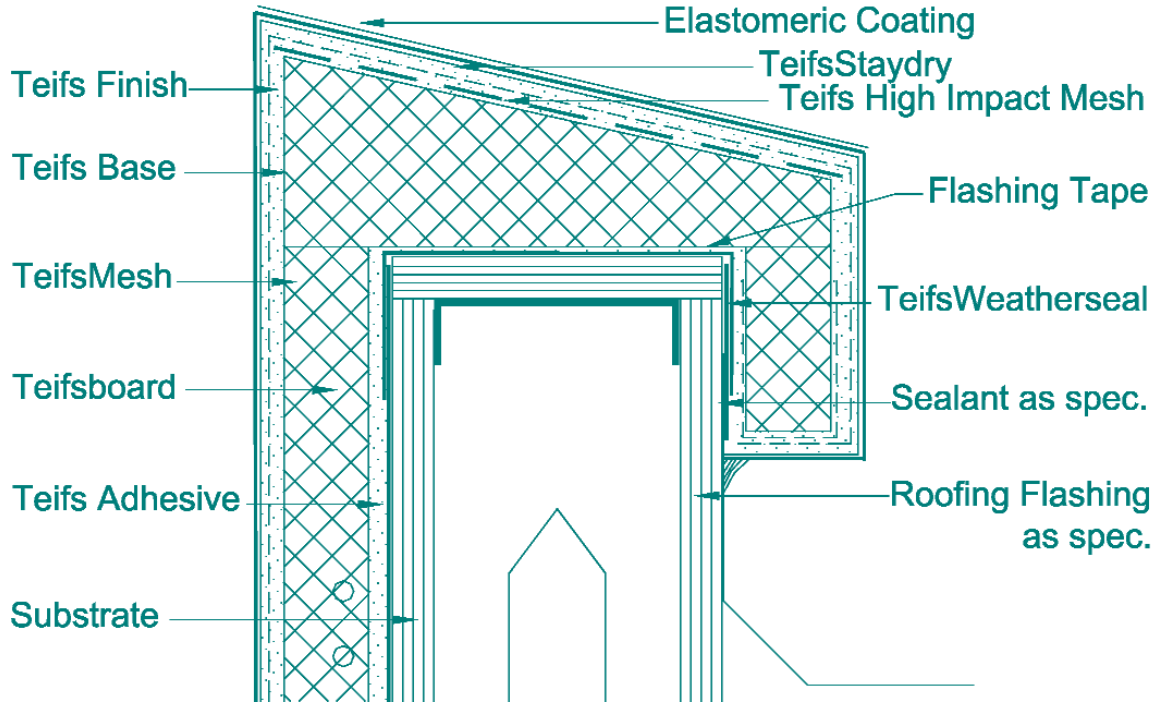
TERMINATION AT CLADDING

AT.305



PARAPET

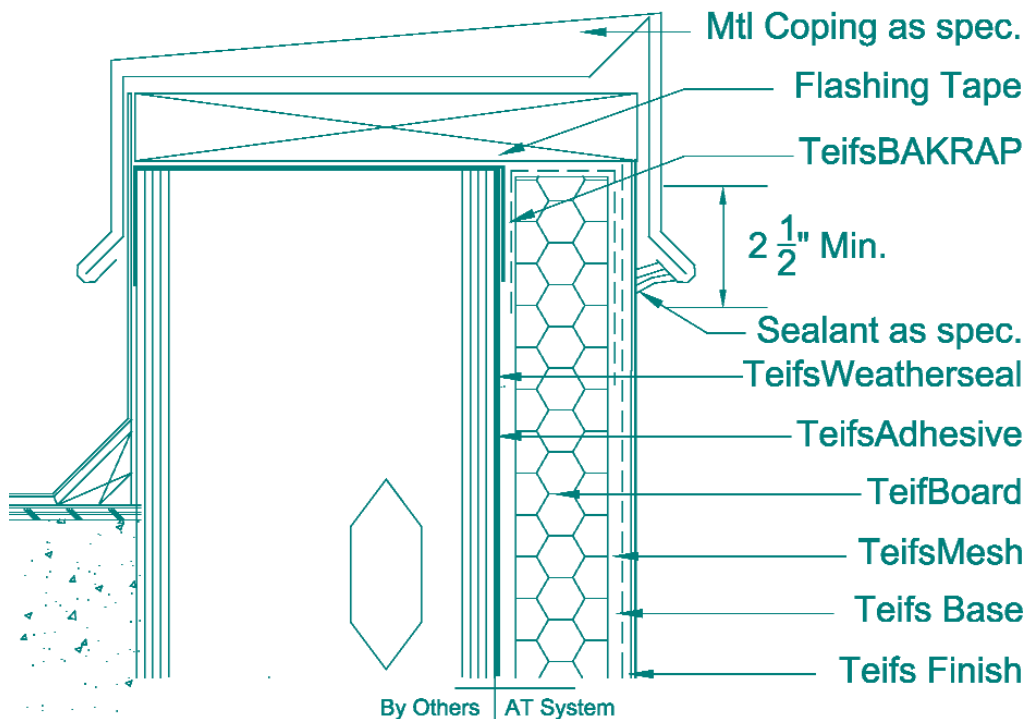
AT.306



1. TEIFS requires the use of high impact mesh on parapet caps. High impact areas utilizing 15 or 20 oz. reinforcing mesh should be noted on detail.
2. Top of wall shall be sloped so water can not stand.
3. Teifs requires the use of waterproof basecoat (Staydry) on all parapet caps.

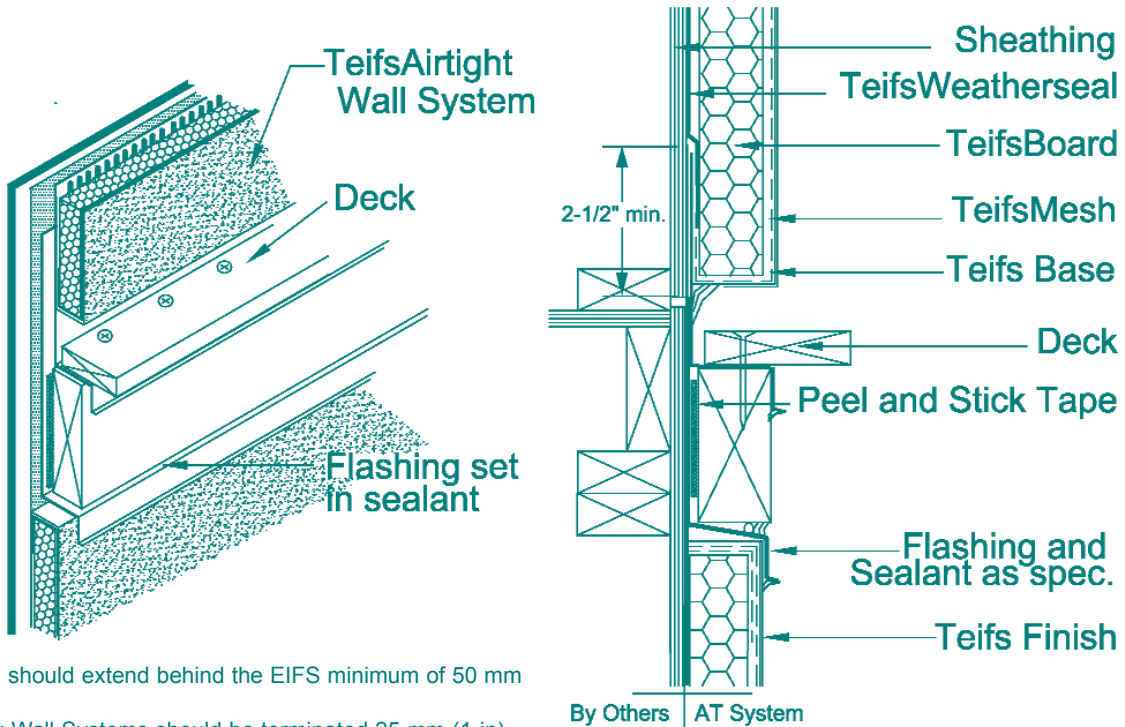
PARAPET WITH METAL COPING

AT.307



DECK

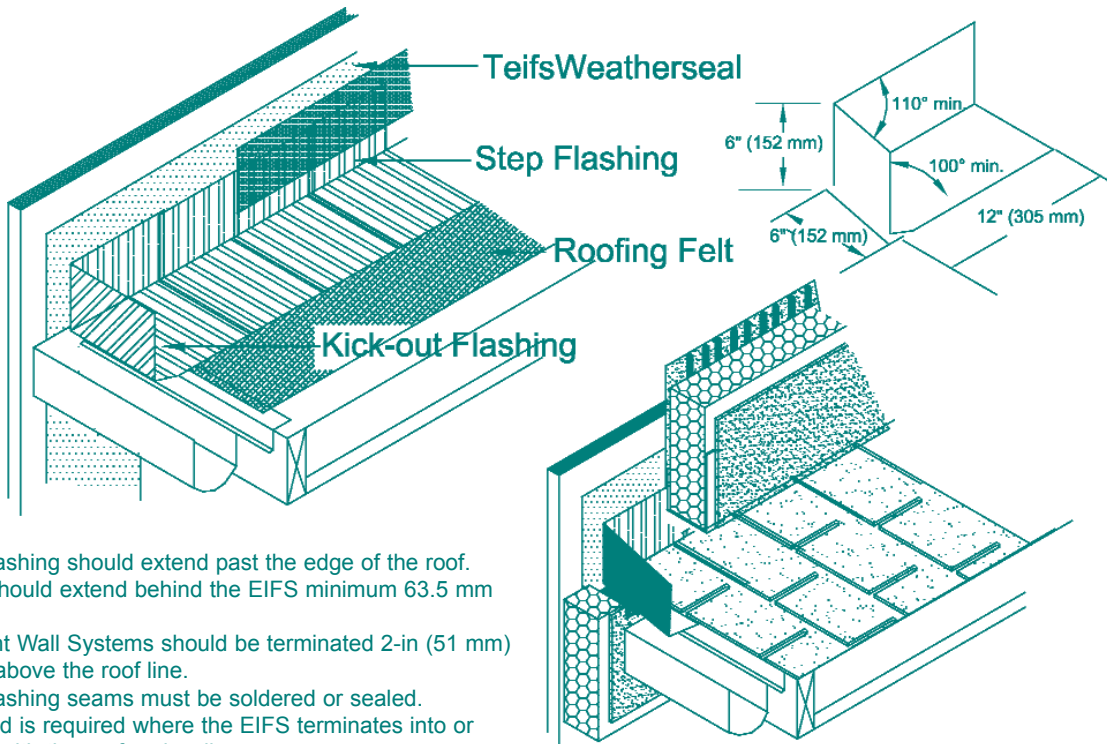
AT.308



1. Flashing should extend behind the EIFS minimum of 50 mm (2-in).
2. TeifsFlex Wall Systems should be terminated 25 mm (1-in) minimum above the decking.
3. Self sealing Peel and Stick Tape should be applied to the flashing to seal the fastener penetration.

KICKOUT

AT.309

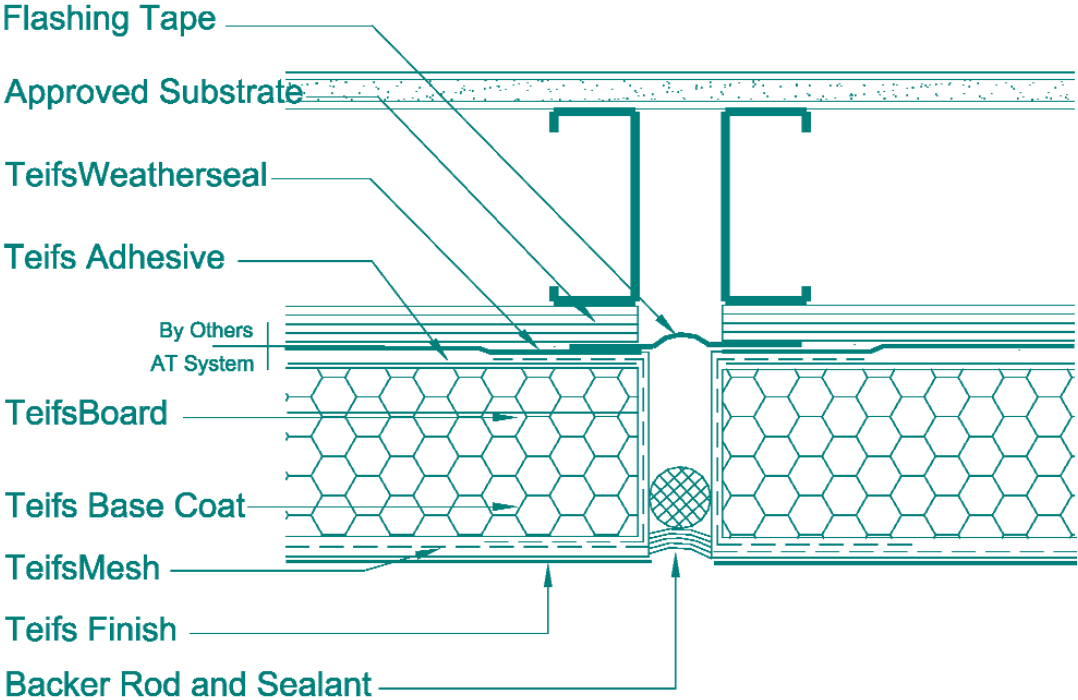


1. Kickout Flashing should extend past the edge of the roof.
2. Flashing should extend behind the EIFS minimum 63.5 mm (2-1/2 in).
3. TeifsAirtight Wall Systems should be terminated 2-in (51 mm) minimum above the roof line.
4. Kickout Flashing seams must be soldered or sealed.
5. Backer Rod is required where the EIFS terminates into or intersects with the roof and wall.
6. The use of Backer Rod is required where movement is expected.

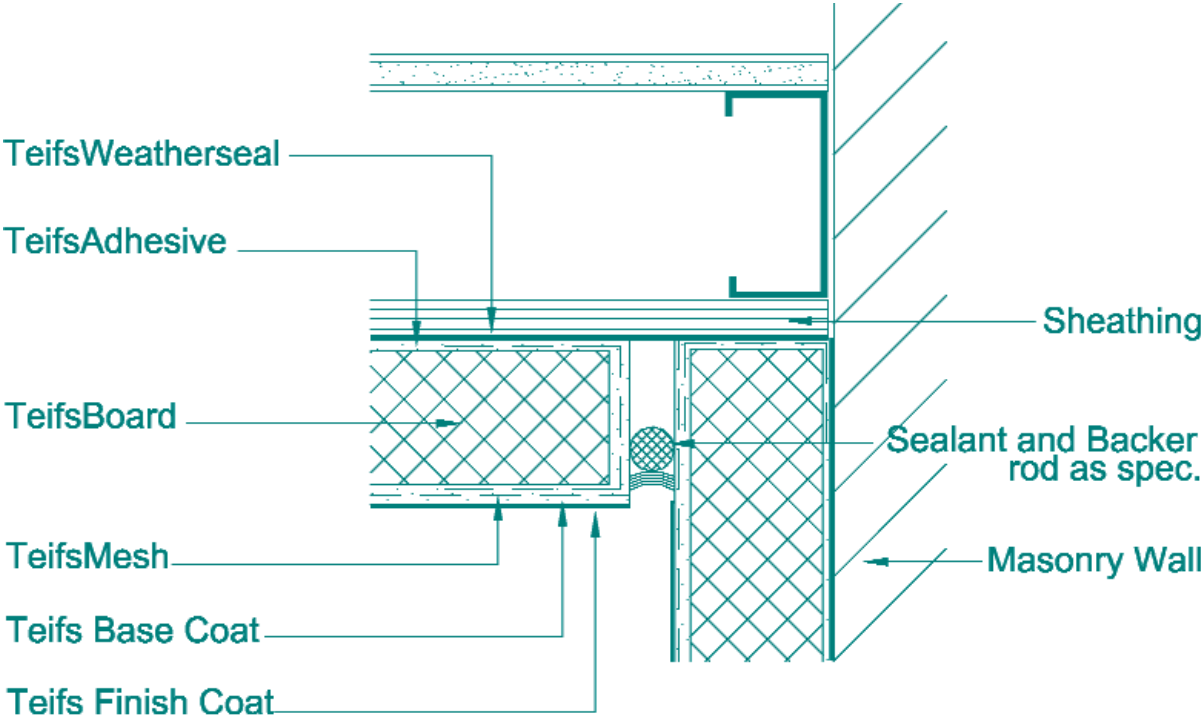
JOINTS

Structural engineer shall determine joint dimensions.

EXPANSION JOINT AT.401

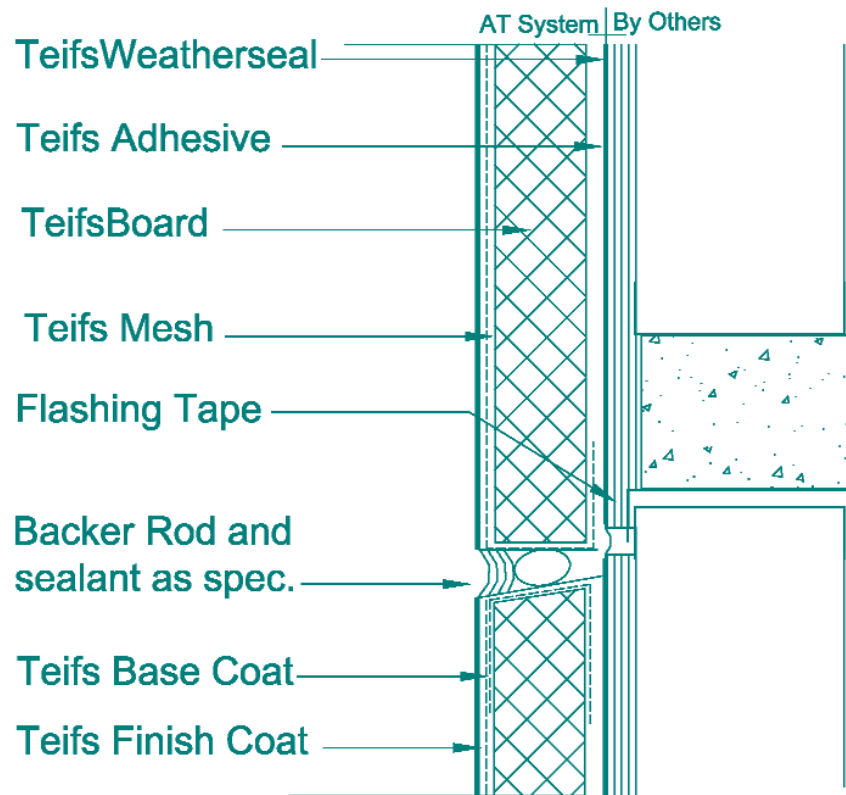


CONTROL JOINT AT DISSIMILAR SUBSTRATE AT.402



EXPANSION JOINT AT FLOORLINE

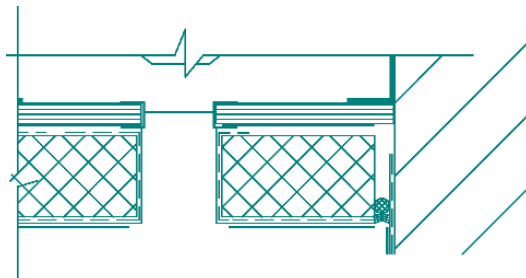
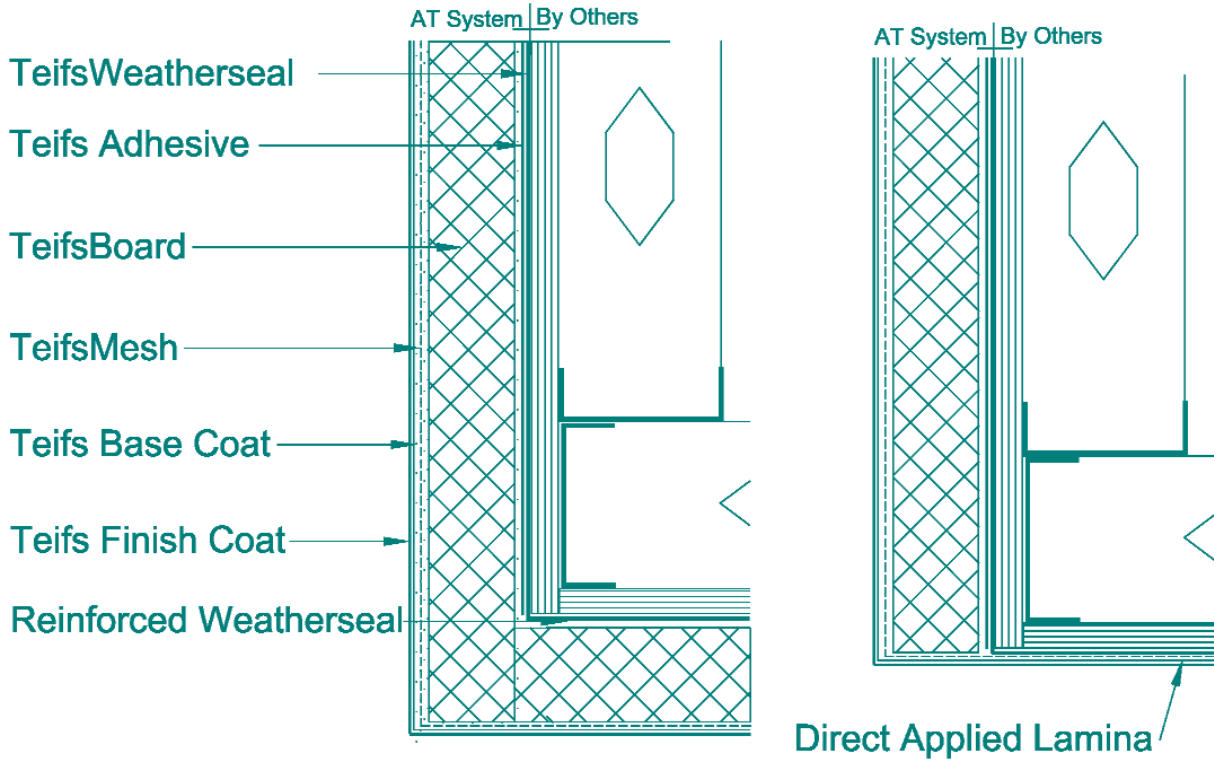
AT.403



SOFFIT

SOFFIT & VENTED SOFFIT

AT.501 AT.502

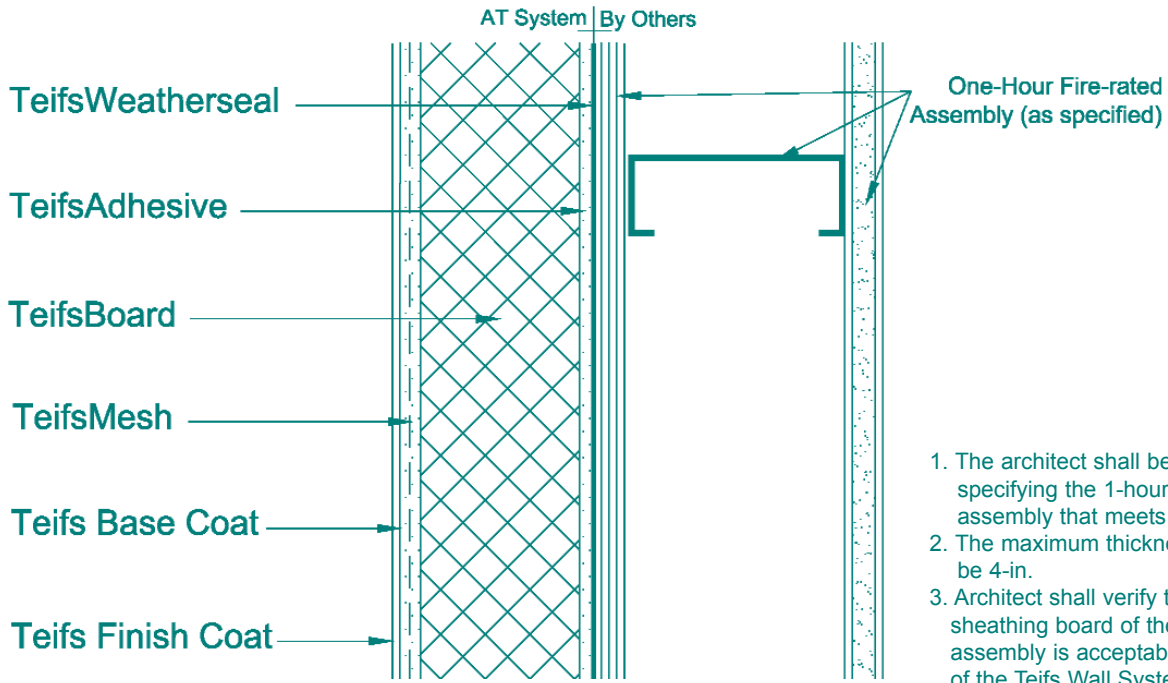


OPTION

FIRE ASSEMBLIES

1-HR FIRE RATED ASSEMBLY

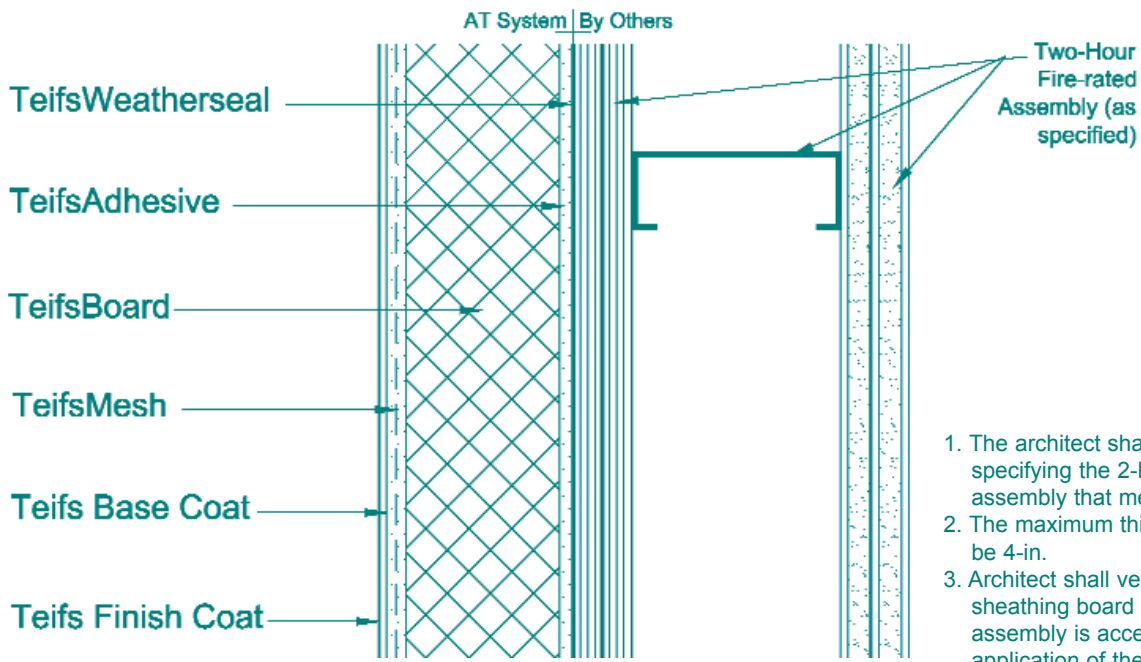
AT.601



1. The architect shall be responsible for specifying the 1-hour fire-rated wall assembly that meets ASTM E119.
2. The maximum thickness of EPS shall be 4-in.
3. Architect shall verify that the sheathing board of the fire-rated assembly is acceptable for application of the Teifs Wall System.

2-HR FIRE RATED ASSEMBLY

AT.602



1. The architect shall be responsible for specifying the 2-hour fire-rated wall assembly that meets ASTM E119.
2. The maximum thickness of EPS shall be 4-in.
3. Architect shall verify that the sheathing board of the fire-rated assembly is acceptable for application of the Teifs Wall System.

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220 Burleson • San Antonio, Texas • 78202
Phone (210) 472-2935 • Fax (210) 472-2946 • 1-800-358-4785
www.teifs.com • teifs@teifs.com