



AVM System 700 Waterproofing Membrane Under-Tile Waterproofing and Anti-Fracture Membrane

ICC ESR-2662
ICC PMG-2662
LARR 25431

Sections 071000 / 071400 / 071416 /
093000 / 093400
Fluid-Applied Waterproofing

Product Name

AVM System 700

Manufactured by

AVM Industries, Inc.
8245 Remmet Ave, Canoga Park, CA 91304
888.414.1041 818.888.0050
www.avmindustries.com

Product Description

AVM System 700 is a monolithic waterproofing membrane 25 Mils min thickness, (approx 1/32nd of an inch thick) consisting of a heavy duty reinforced polyester fabric embedded in acrylic waterproofing paste. AVM System 700 is designed to be used as a waterproofing and Anti-Fracture membrane for substrates which will have Tile, Brick, Slate, Pavers or other similar finished surfaces installed directly over it. (Thin-Set may be applied directly on top of the AVM System 700) This system is also design to waterproof shower pans, counter-tops, etc.

Where to Use

On new or existing concrete or plywood decks, over backer boards, cement boards and other similar substrates. May be used as a primary membrane over living spaces! May also be used as a shower pan liner for showers, bathrooms, kitchens, ponds, wet rooms, etc.

Warranty

AVM Industries will warranty the system materials for a period of one (1) year in their original, sealed containers. AVM Industries will warranty the installed system for a period of five (5) years. A ten (10) year warranty is also available. For details, contact AVM Industries or consult with your applicator.

Delivery, Storage, and Handling

- Delivery of all the AVM System 700 materials to the job site must be in their original sealed containers and bags, with manufacturer's name and label intact.
- Handle and store containers and bags in accordance with printed instructions.
- Store at temperatures between 50°F and 90°F. Do not store materials in direct sunlight or where they may be damaged by water or rain. Bags must be kept dry!
- Keep all materials out of the reach of children.
- If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.



Project Conditions

- Do not apply materials at temperatures below 50°F, or if precipitation is imminent, or above 90°F if applying in direct sun light. Do not apply materials anywhere at temperatures above 100°F.
- Warn personnel against hazards of materials to skin and eyes. Note other hazardous conditions on the job that might require special protective gear and or any other special protective or safety procedures.
- Protect adjacent surfaces which could be damaged during the application procedure.
- This system must not be used to cover Expansion Joints.

System Application

Read the AVM System 700 Installation Instructions Prior to Installation.

Preparation

(Optional, but highly recommended) AVM Crete 6200 - Scratch Coat (Over Concrete Substrates) or a 1 inch thick, reinforced mortar bed over plywood substrates. (Min 2000 PSI)

Membrane Installation

Membrane 700

Install a 6 inch wide membrane strip at deck perimeters, joints, cracks, sheet metals, drains, scuppers, posts, door ways, entry ways, etc. Use a wider strip if the 6" strip will not provide adequate waterproofing protection. Install the AVM Membrane 700 to all the remaining surfaces with a minimum 2 inch overlap at the seams and completely overlapping the 6 inch strip.

Protective Coating

Optional with the following exception: Required when membrane is installed directly to plywood substrates.

Protective Layer: Apply the AVM Crete 6700 over the cured membrane 700 at least 1/16 of an inch thick.

Quality Control

- Visually inspect all coated surfaces to ensure a full and proper coating application, especially at corners, drainage scuppers and hard-to-reach areas.
- All unsatisfactory areas shall be repaired prior to final acceptance.

Protection of Installed Work

- The completed section shall be protected from all pedestrian traffic for the first 24 hours after application and until the surface is sufficiently cured. (The amount of drying time may vary depending on temperature and humidity conditions) Typically, light foot traffic may resume after 4-6 hours.
- The completed section shall be protected from heavy pedestrian and wheeled traffic for the first 24 hours after application.

Availability and Cost

Contact AVM Industries or your approved applicator for pricing and availability.

Technical Services

Technical services are available by contacting our offices at: **888.414.1041** or **818.888.0050** or visit **www.avmindustries.com**

System Specifications

See next page.

The following coverages are based on controlled tests. Actual coverages may vary.

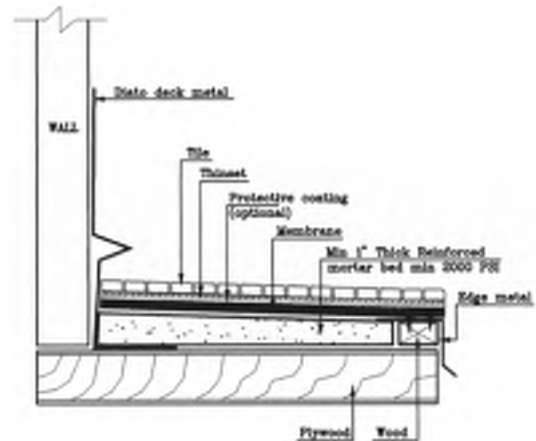
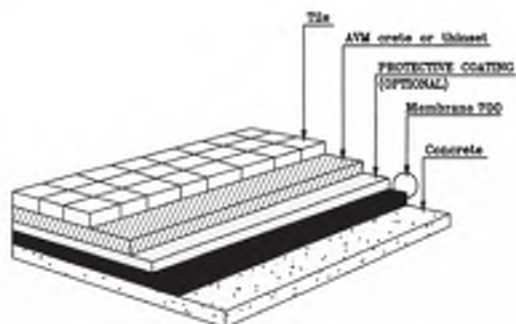
Materials	One Kit Makes	One Kit Covers at 1/16" Thick
AVM Crete 6700	4 Gallons of Mixed Product	80 sq. ft. at 1/16" thick
Weight of 1 sq. ft. of Crete 6700 installed & cured		1 sq. ft. at 1/16" thick = -0.625 lbs.

Materials	Over Plywood	Over Concrete	Over Sheet Metal
AVM Primer 100 (optional)	200-300 sq. ft./gal.	200-300 sq. ft./gal.	200-300 sq. ft./gal.
AVM Paste 700	40 sq. ft./gal.	40 sq. ft./gal.	40 sq. ft./gal.
AVM Matt 800 (6" and 40")	Min. 2" overlaps. Allow 5%-10% waste.		

Technical Data - AVM System 700	Over Concrete	Over Plywood
Fungus and Micro Organism Resistance	PASS	PASS
Seam Strength - ASTM D-751 (1989)	PASS	PASS
Breaking Strength - ASTM D-752 (1989)	PASS	PASS
Dimensional Stability - ASTM D1204	PASS	PASS
Waterproofness - ASTM D-4068	PASS	PASS
Shear Strength to Ceramic Tile and Cement Mortar after 100 Days Immersion - ASTM C-482	PASS	PASS

General Data - AVM System 700	
Shelf Life: (Liquids)	One year in original unopened packaging.
Storage Conditions	Store dry at 50°-90°F. If frozen, discard
Cement Mixing Ratio	1 50 lb. bag to 1.0-1.25 gal. additive 7700
Paste Color	Paste is Black
Additive Color	AVM Additive 7700 is Black
Protective Coating	AVM Crete 6700 is Gray
Protective Coating Strength	AVM Crete 6700 achieves over 6000 PSI when cured, providing excellent protection and bonding

Item / Component	Packaging	Approx Shipping Weights	VOC
AVM Primer 100	2.0/5.0 gal. pails	18.0/46.0 lbs	93 Grams/Liter
AVM Paste 700	3.5/5.0 gal. pails	33.5/46.0 lbs	82 Grams/Liter
AVM Aggregate 200	50 lb. bag	50 lb. bag	
AVM Additive 7700	5.0 gal. pails	46.0 lbs	6 Grams/Liter
Mat 800 40" wide x 324 Ft. Long	1080 sq. ft	27 lbs.	
Mat 800 6" wide x 300 Ft. Long	150 sq. ft	3 lbs	



For a complete list of details in CAD or PDF, please visit our website at www.avmindustries.com.

AVM Industries, Inc.
 8245 Remmet Ave, Canoga Park, CA 91304
 888.414.1041 818.888.0050

Quality Waterproofing Products



www.avmindustries.com



AVM Primer 100 Roof and Walking Deck System

ICC ESR-2125, ESR-2662,
PMG-2662, L.A. RR#: 25430

Section 071800 / 071813
Fluid Applied Waterproofing

Product Name

Elasto Primer 100

Manufactured by

AVM Industries, Inc.
8245 Remmet Ave, Canoga Park, CA 91304
888.414.1041 818.888.0050
www.avmindustries.com

Product Description

AVM Primer 100 is a high performance water-based acrylic primer used in multiple AVM waterproofing systems including AVM System 100, Elasto Fiberdeck®, Forevercoat®, AVM System 700 and other common applications. AVM primer 100 has been thoroughly tested and is a component of the following ICC/LARR approved systems: ICC ESR-2125, ESR-2662, PMG-2662 and L.A. RR#: 25430.

Where to Use

On new or existing concrete or plywood decks and other substrates. (For other substrates, consult with AVM Industries prior to installation)

Warranty

Refer to each waterproofing system's warranty for details.

Delivery, Storage, and Handling

- Delivery of the Primer 100 to the job site must be in their original sealed containers, with manufacturer's name and label intact.
- Handle and store containers in accordance with printed instructions.
- Store at temperatures between 50°F and 90°F. Do not store Primer 100 in direct sunlight or where it may be damaged by water or rain.
- Keep Primer 100 out of the reach of children.
- If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.



Project Conditions

- Do not apply Primer 100 at temperatures below 50°F, or if precipitation is imminent, or above 90°F if applying in direct sun light.
- Provide adequate ventilation during installation.
- Warn personnel against hazards of Primer 100 to skin and eyes.
- Protect adjacent surfaces which could be damaged during the application.

System Application

Install the Primer 100 in accordance with each system's Installation Instructions.

Substrates

Plywood must be min 5/8" thick, exterior grade, attached to framing spaced max 16" on center and properly blocked, supported and fastened.

Concrete decks must comply to code and be min 2000 PSI after 28 days curing time.

Refer to each system's installation instructions for more information.

Preparation of Substrates

The substrate surfaces must be structurally sound, clean, dry, free of contamination, and prepared according to each system's Installation Instructions.

Installation

Typically Applied with brushes and rollers. Refer to each system's installation instructions for details.

Quality Control

Refer to each system's installation instructions for details.

Protection of Installed Work

Refer to each system's installation instructions for details.

Clean Up

Tools may be cleaned with water before Primer 100 is dry.

Availability and Cost

Contact AVM Industries or your approved applicator for pricing and availability.

Technical Services

Technical services are available by contacting our offices at: **888.414.1041** or **818.888.0050** or visit www.avmindustries.com

System Specifications

See next page.



The following coverages are based on controlled tests. Actual coverages may vary.

Materials	Over Plywood	Over Concrete	Over Sheet Metal
AVM Primer 100	200-300 sq. ft./gal.	200-300 sq. ft./gal.	200-300 sq. ft./gal.

General Data - AVM Primer 100

Shelf Life:	One year in original unopened packaging.
Storage Conditions:	Store dry at 50°-90°F. If frozen, discard
Color:	Milky white when white. Cures clear.

Item/Component	Packaging	Approximate Shipping Weights	VOC
AVM Primer 100	2.0/5.0 gal. pails	18/46 lbs.	93 Grams/Liter

For a complete list of details in CAD or PDF, please visit our website at www.avmindustries.com.

AVM Industries, Inc.
8245 Remmet Ave, Canoga Park, CA 91304
888.414.1041 818.888.0050

Quality Waterproofing Products



www.avmindustries.com



AVM Mat 800 Polyester Reinforcing Fabric



Polyester Reinforcing Fabric

Product Name

AVM System 800

Manufactured by

AVM Industries, Inc.
8245 Remmet Ave, Canoga Park, CA 91304
888.414.1041 818.888.0050
www.avmindustries.com

Product Description

AVM Mat 800 is a 3 oz/Sq. Yard polyester reinforcing fabric used in multiple waterproofing systems and applications.

Where to Use

Reinforcing fabric is used in multiple AVM Systems (AVM Systems 100, 500, 502, 520, 700 & 750). Refer to each system's technical data for more information.

Warranty

Refer to each system's warranty for more information.

Delivery, Storage, and Handling

- a. a. Delivery of all the AVM mat 800 rolls to the job site must be in their original packaging, with manufacturer's name and label intact.
- b. Handle and store containers and bags in accordance with printed instructions.
- c. Store at temperatures between 50°F and 90°F. Do not store materials in direct sunlight or where they may be damaged by water or rain. Bags must be kept dry!
- d. Keep all materials out of the reach of children.
- e. If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.

Project Conditions

Refer to each system's technical data for more information.

System Application

Refer to each system's technical data for more information.

Availability and Cost

Contact AVM Industries or your approved applicator for pricing and availability.

Technical Services

Technical services are available by contacting our offices at: **888.414.1041** or **818.888.0050** or visit www.avmindustries.com

System Specifications

See next page.

The following coverages are based on controlled tests. Actual coverages may vary.

Average Typical Properties	
Weight	3.0-3.2 oz. per square yard
Gauge	18
Fiber	100% Polyester
Yarn	100% Polyester
Tensile Strength (1" Jaws - ASTM D 5034)	
Warp	74 Lbs
Fill	45 Lbs
% Elongation at break (ASTM D 5034)	
Warp	21.3
Fill	51.3
Ball Burst (ASTM D3787)	111
Thickness (ASTM D 1777)	.018

These average typical properties are the average results of random tests conducted on this fabric and are not to be construed as performance specifications.

Item / Component	Packaging	Approx Shipping Weights	VOC
AVM Mat 800, 40"	40"x324' roll (1080 Sq.Ft.)	22.6 Lbs	N/A
AVM Mat 800, 12"	12"x300' roll	6.4 Lbs	N/A
AVM Mat 800, 6"	6"x300' roll	3.0 Lbs	N/A
AVM Mat 800, 40" Mini	40"x81' roll (200 Sq.Ft.)	6.2 Lbs	N/A
AVM Mat 800, 6" Mini	6"x81' roll	1.0 Lbs	N/A

For a complete list of details in CAD or PDF, please visit our website at www.avmindustries.com.

AVM Industries, Inc.
 8245 Remmet Ave, Canoga Park, CA 91304
 888.414.1041 818.888.0050

Quality Waterproofing Products



www.avmindustries.com

Safety Data Sheet

AVM Industries Inc.

Version 1.1 Revision Date 8-5-15

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Paste 700 Product Code: 700 Paste

AVM Industries, Inc.

8245 Remmet Ave, Canoga Park CA 91304-4133

Tel: (818) 888-0050

www.avmindustries.com

Emergency Contact:

AVM Industries, Inc.

Tel: (818) 888-0050

2. HAZARDS IDENTIFICATION

GHS Ratings:

Skin sensitizer 1 Skin sensitizer

GHS Hazards

H317 May cause an allergic skin reaction

GHS Precautions

P261 Avoid breathing dust, mist, or vapours
P272 Contaminated work clothing should not be allowed out of the workplace
P280 Wear protective gloves, protective clothing, eye protection, and face protection
P321 Specific treatment (see first aid instructions on SDS and on this label)
P363 Wash contaminated clothing before reuse
P302+P352 IF ON SKIN: Wash with soap and water
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P501 Dispose contents/containers in accordance with local, state and federal regulations.

Signal Word: Warning



3. COMPOSITION/FORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
1,2-Propylene glycol	57-55-6	0.20%
3(2H)-Isothiazolone, 2-octyl-	26530-20-1	0.10%

4. FIRST AID MEASURES

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

First-aid measures general: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

5. FIREFIGHTING MEASURES

Flash Point: 122 C (252 F)

LEL:

UEL:

Suitable extinguishing media: Carbon dioxide, Alcohol foam, or dry chemical

Heat builds up pressure in closed containers and can rupture or explode.

Carbon Dioxide, Carbon Monoxide, partially burned Carbon, and acrid fumes.

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Do not enter fire area without proper protective equipment, including respiratory protection

6. ACCIDENTAL RELEASE MEASURES

Stop leak at source when it is safe to do so. Use non-sparking tools only. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters. This material and its container must be disposed of in a safe way, and as per local legislation.

Absorb the liquid with inert material (such as dry sand or earth) and place it in a chemical waste container. Sweep or shovel spills into appropriate container for disposal.

Persons not wearing protective equipment should be evacuated from area of spill until cleanup has been completed.

Dike and pump the liquid into waste containers.

7. HANDLING AND STORAGE

Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, and open flames. Avoid breathing vapor and mist. Vapors of this material are heavier than air and will collect in low or confined areas. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Store in a cool, well-ventilated place. Store at temperatures between 50°F-90°F unless otherwise stated. Product must remain in its original sealed containers with manufacturer's name and label in tact. Do not store materials in direct sunlight or where they may be damaged by water or rain. Dry goods (When applicable) must be kept dry.

No Additional Data

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
1,2-Propylene glycol 57-55-6	OELs not established	OELs not established	Not Established
3(2H)-Isothiazolone, 2-octyl- 26530-20-1	OELs not established	OELs not established	Not Established

Use explosion-proof equipment with flammable materials.

Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Ensure adequate ventilation, especially in confined areas.

Hand protection: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

Eye protection: Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection: Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

Changed contaminated clothing immediately. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid	Odor: Slight
Vapor Pressure: 6.9 Pa 20°	Odor threshold: Not Available
Vapor Density: 6.9	pH: Not Available
Density: 1.07	Melting point: Not Available
Freezing point: Not Available	Solubility: Not Available
Boiling range: 100°C	Flash point: 252 F, 122 C
Evaporation rate: Not Available	Flammability: Not Available
Explosive Limits: Not Available	Partition coefficient (n- octanol/water): Not Available
Autoignition temperature: Not Available	Decomposition temperature: Not Available
Viscosity: Not Available	Grams VOC/liter less water: 4.36

10. STABILITY AND REACTIVITY

STABLE

Incompatible materials

No Data Available / Not Applicable

Hazardous decomposition products

No Data Available / Not Applicable

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Component Toxicity

26530-20-1 3(2H)-Isothiazolone, 2-octyl-
Oral LD50: 550 mg/kg (Rat) Dermal LD50: 690 mg/kg (Rabbit)

Toxicological Routes of Entry

Inhalation Skin Contact Eye Contact Ingestion

Specific Target Organs Toxicology

No Data Available / Not Applicable

Effects of Overexposure

Carcinogenicity

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			No Data Available / Not Applicable

12. ECOLOGICAL INFORMATION

No data available

Component Ecotoxicity

1,2-Propylene glycol	96 Hr EC50 Pseudokirchneriella subcapitata: 19000 mg/L 96 Hr LC50 Oncorhynchus mykiss: 51600 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 41 - 47 mL/L [static]; 96 Hr LC50 Pimephales promelas: 51400 mg/L [static]; 96 Hr LC50 Pimephales promelas: 710 mg/L 48 Hr EC50 Daphnia magna: >1000 mg/L [Static]
3(2H)-Isothiazolone, 2-octyl-	Toxicity to fish: LC50 - Pimephales promelas (fathead minnow) - 0,14 mg/l - 96,0 h Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea) - 0,18 mg/l - 48 h Bioaccumulation: Lepomis macrochirus - 67 d -50 µg/l Bioconcentration factor (BCF): 165

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations . Do not allow the product to be released into the environment.

14. TRANSPORT INFORMATION

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Not regulated for transport			
IATA	Not regulated for transport			
IMDG	Not regulated for transport			

15. REGULATORY INFORMATION

U.S. Federal Regulations

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

140-88-5 Ethyl acrylate Carcinogens

The following chemicals are reportable under Sara 313

- None

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
USA	Toxic Substances Control Act (listed or exempt)	Yes

16. OTHER INFORMATION

This information is provided in good faith and is correct to the best of AVM Industries' knowledge as of the date hereof and is designed to assist our customers; however, AVM makes no representation as to its completeness or accuracy. This product is intended for sale to mainly professional contractor. We require customers to satisfy themselves as to the suitability for their specific applications. Any use which AVM Industries customers or third parties make of this information, or any reliance on, or decisions made based upon it, are the responsibility of such customer or third party. AVM Industries disclaims responsibility for damages, or liability of any kind resulting from the use of this information. THERE ARE NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THIS INFORMATION OR TO THE PRODUCT IT DESCRIBES. IN NO EVENT SHALL AVM INDUSTRIES BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

Reviewer Revision

Date Prepared: 9/22/2015

Safety Data Sheet

AVM Industries Inc.

Version 1.1 Revision Date 8-5-15

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Primer 100 Product Code: 100 Primer

AVM Industries, Inc.

8245 Remmet Ave, Canoga Park CA 91304-4133

Tel: (818) 888-0050

www.avmindustries.com

Emergency Contact:

AVM Industries, Inc.

Tel: (818) 888-0050

2. HAZARDS IDENTIFICATION

GHS Ratings:

GHS Hazards

GHS Precautions

Signal Word:

There are no GHS ratings that apply to this product at this time.

3. COMPOSITION/FORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %

4. FIRST AID MEASURES

IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathing.

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes .

IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

First-aid measures general: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

5. FIREFIGHTING MEASURES

Flash Point: 122 C (252 F)

LEL:

UEL:

Suitable extinguishing media: Carbon dioxide, Alcohol foam, or dry chemical

Heat builds up pressure in closed containers and can rupture or explode.

Carbon Dioxide, Carbon Monoxide, partially burned Carbon, and acrid fumes.

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Do not entire fire area without proper protective equipment, including respiratory protection

6. ACCIDENTAL RELEASE MEASURES

Stop leak at source when it is safe to do so. Use non-sparking tools only. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters. This material and its container must be disposed of in a safe way, and as per local legislation.

Absorb the liquid with inert material (such as dry sand or earth) and place it in a chemical waste container. Sweep or shovel spills into appropriate container for disposal.

Persons not wearing protective equipment should be evacuated from area of spill until cleanup has been completed.

Dike and pump the liquid into waste containers.

7. HANDLING AND STORAGE

Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, and open flames. Avoid breathing vapor and mist. Vapors of this material are heavier than air and will collect in low or confined areas. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Store in a cool, well-ventilated place. Store at temperatures between 50°F-90°F unless otherwise stated. Product must remain in its original sealed containers with manufacturer's name and label in tact. Do not store materials in direct sunlight or where they may be damaged by water or rain. Dry goods (When applicable) must be kept dry.

No Additional Data

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
	Not Established	Not Established	Not Established

Use explosion-proof equipment with flammable materials.

Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Ensure adequate ventilation, especially in confined areas.

Hand protection: Use gloves chemically resistant to this material when prolonged or repeated contact could occur.

Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

Eye protection: Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection: Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

Changed contaminated clothing immediately. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

<p>Appearance: Liquid</p> <p>Vapor Pressure: 5.2 Pa 20°</p> <p>Vapor Density: 7.3</p> <p>Density: 1.04</p> <p>Freezing point: Not Available</p> <p>Boiling range: 100°C</p> <p>Evaporation rate: Not Available</p> <p>Explosive Limits: Not Available</p> <p>Autoignition temperature: Not Available</p> <p>Viscosity: Not Available</p>	<p>Odor: Slight</p> <p>Odor threshold: Not Available</p> <p>pH: Not Available</p> <p>Melting point: Not Available</p> <p>Solubility: Not Available</p> <p>Flash point: 252 F, 122 C</p> <p>Flammability: Not Available</p> <p>Partition coefficient (n-octanol/water): Not Available</p> <p>Decomposition temperature: Not Available</p> <p>Grams VOC/liter less water 0.03</p>
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10. STABILITY AND REACTIVITY

STABLE

Incompatible materials

No Data Available / Not Applicable

Hazardous decomposition products

No Data Available / Not Applicable

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Toxicological Routes of Entry

No Data Available / Not Applicable

Specific Target Organs Toxicology

No Data Available / Not Applicable

Effects of Overexposure

Carcinogenicity

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations . Do not allow the product to be released into the environment.

14. TRANSPORT INFORMATION

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Not regulated for transport			
IATA	Not regulated for transport			
IMDG	Not regulated for transport			

15. REGULATORY INFORMATION

U.S. Federal Regulations

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

140-88-5 Ethyl acrylate Carcinogens

The following chemicals are reportable under Sara 313

- None

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
USA	Toxic Substances Control Act (listed or exempt)	Yes

16. OTHER INFORMATION

This information is provided in good faith and is correct to the best of AVM Industries' knowledge as of the date hereof and is designed to assist our customers; however, AVM makes no representation as to its completeness or accuracy. This product is intended for sale to mainly professional contractor. We require customers to satisfy themselves as to the suitability for their specific applications. Any use which AVM Industries customers or third parties make of this information, or any reliance on, or decisions made based upon it, are the responsibility of such customer or third party. AVM Industries disclaims responsibility for damages, or liability of any kind resulting from the use of this information. THERE ARE NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THIS INFORMATION OR TO THE PRODUCT IT DESCRIBES. IN NO EVENT SHALL AVM INDUSTRIES BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

Reviewer Revision

Date Prepared: 9/22/2015



AVM Mat 800

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 05/01/2017

Supersedes:

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : AVM Mat 800
Product form : Mixtures

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Polyester stitchbonded fabric

1.3. Details of the supplier of the safety data sheet

AVM Industries, Inc.
8245 Remmet Ave
Canoga Park, CA 91304
Tel: 818-888-0050
Fax: 818-888-0030
www.avmindustries.com

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labelling

No labelling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Contains no hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200)		

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing if pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : May cause skin irritation.

Symptoms/effects after eye contact : Direct contact with eyes is likely to be irritating.

Symptoms/effects after ingestion : May cause gastrointestinal irritation.

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4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Water fog. carbon dioxide (CO₂). Dry chemical. Foam.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Molten polyester can cause severe burns to the skin.

Explosion hazard : Product is not explosive.

Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

Precautionary measures fire : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Protection during firefighting : Evacuate unnecessary personnel. Do not enter fire area without proper protective equipment, including respiratory protection.

Other information : Avoid breathing smoke, fumes, decomposition products.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain and collect as any solid.

Methods for cleaning up : Dispose of material in compliance with local, state, and federal regulations.

6.4. Reference to other sections

See Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Handle in accordance with good industrial hygiene and safety procedures. Use only in well-ventilated areas. Avoid dust formation. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, well-ventilated area. Keep away from ignition sources.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Gloves. Protective goggles.



Hand protection : Use gloves chemically resistant to this material when prolonged or repeated contact could occur.

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Eye protection	: Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.
Skin and body protection	: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.
Respiratory protection	: Use NIOSH (or other equivalent national standard) -approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Color	: Various.
Odor	: No data available
Odor Threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 265 °C (509 °F)
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.34 - 1.39
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂). hydrogen. Oxygen. Nitrogen. Carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified

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Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause skin irritation.
Symptoms/effects after eye contact	: Direct contact with eyes is likely to be irritating.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT

Not hazardous for transport

Additional information

Other information : No supplementary information available.

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

AVM Mat 800

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory or are exempt

SARA Section 311/312 Hazard Classes	None
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15.2. International regulations

No additional information available.

15.3. US State regulations

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

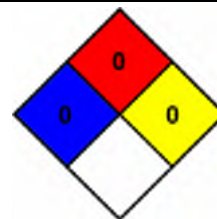
Indication of changes	: Revision 1.0: New SDS Created.
Revision date	: 05/01/2017
Other information	: Author: BCS.

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NFPA health hazard	: 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.
NFPA fire hazard	: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
NFPA reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health	: 0
Flammability	: 0
Physical	: 0
Personal protection	:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



INDUSTRIES, INC.

Division 7-Moisture Protection
Section 7-Under Tile Waterproofing
ICC-ESR 2662 / L.A. RR#: 25431
Exceeds ANSI A118.10
Rev. 06/2011
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8245 Remmet Ave Canoga Park, CA. 91304 (888) 414-1041

Installation Instructions - AVM System 700 Under Tile Waterproofing and Anti-Fracture Membrane

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Installation Instructions - AVM System 700 Under Tile Waterproofing and Anti-Fracture Membrane

General

Description

AVM System 700 is a three layer monolithic waterproofing membrane 1/32nd-1/16th of an inch thick, consisting of a heavy duty reinforced cross stitched polyester fabric sandwiched between two layers of acrylic waterproofing paste. The AVM System 700 is designed to waterproof surfaces which will have Tile, Brick, Slate, Pavers or other similar finished surfaces installed over it. The AVM System 700 may be installed over concrete, plywood, backer boards and other substrates.

Approvals

AVM System 700 meets **ANSI A118.10** Standards. (These standards are used by ICBO, Ceramic Tile Institute of America and the Tile Counsel of America) It also has an ICBO Approval (**ICBO ER 5880**) and L.A. Research Report Number (**L.A. RR 25431**).

Applicator

The applicator shall either be completely experienced in the application of the materials of this system or has carefully read and understood these installation instructions prior to commencing the work.

Product Delivery, Storage and Handling

- A. Delivery of all the AVM System 700 materials to the job site must be in their original sealed containers, with the manufacturer's name and label intact.
- B. Store at temperatures between 50°F and 90°F. Do not store materials in direct sunlight or where they may be damaged by water or rain. Bags (if using AVM Crete for a Protective Coating) must be kept Dry!
- C. Keep all materials out of the reach of children.
- D. If irritation occurs during use, liberally flush affected areas with water. If irritation continues, see a physician immediately.

Limitations

Do not use when temperatures cannot be maintained above 40°F for a minimum of 48 hours or until cured or if precipitation is imminent. Do not install outdoors if temperatures will exceed 100°F before the membrane cures. Install finished flooring within 30 days of membrane installation. Strictly adhere to the Installation Instructions. Failure to do so, may result in the membrane's failure. AVM Industries does not recommend installing this system over substrates consisting only of sheet metals or substrates containing large sheet metal areas. If you wish to install this system over large sheet metal areas, please consult AVM Industries Technical Support department prior to proceeding with such an installation. Failure to do so could void the system's warranty!

Steam Rooms: Maximum temperatures for the AVM System 700 are 167°F or 75°C.

Safety

No special protective gear is required during the application of the system materials, except goggles for eye protection.

Tools Needed for Application

- A. Cutting Knife
- B. Brush
- C. Roller (Helpful for large areas)
- D. Scissors (Helpful if many cuts are needed)

Products

AVM System 700 Materials

- AVM Mat 800, Polyester Stitchbond, 6"x300' and 40"x324', as supplied by AVM Industries.
- AVM Paste 700, Water-Base Acrylic Paste supplied in 5 gallon buckets
- 250 Sq.Ft. Kit. Two 3.5 gallon buckets of AVM Paste 700, Mat 800 6"x80', 40"x80', 4" brush and cutting knife.
- Optional: AVM Primer 100 (Acrylic Primer) or AVM Epoxy Primer for best bonding results

Membrane Installation Over Mortar Beds and other Concrete Substrates



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Installation Instructions - AVM System 700 Under Tile Waterproofing and Anti-Fracture Membrane

Inspection of Concrete Substrates

- A. Concrete substrate shall be clean, free of dirt, dust, oil, grease and curing agents.
- B. Concrete finish shall be straight without waviness or noted defects, troweled semi smooth or finished with a light broom surface texture.
- C. Concrete substrate shall be fully cured. On traffic bearing surfaces, concrete substrate shall achieve a min compression strength of 2000 psi.
- D. Damaged concrete surfaces with noted defects shall be repaired prior to commencement of the membrane 700 application.
- E. Verify that mortar bed or concrete slab provides adequate slope for proper drainage. (Minimum slope: 1/4" per foot)
- F. Verify that all sheet metal flashing and related accessories are properly secured and joints solidly imbedded in sealant. Install edging and other related metals where shown or required for a complete installation.
- G. Expansion Joints: **DO NOT COVER EXPANSION JOINTS!** If expansion joints exist, contact the architect or AVM Industries for further instructions on how they should be waterproofed.

Preparation of Concrete Substrates

- A. Remove latex, oil, grease, curing agents, debris and other deleterious materials from surfaces scheduled to receive application. High pressure washing is highly recommended. Sandblasting or acid washing might be needed, especially on older or very dirty slabs.
- B. Clean hairline cracks and rout out cracks larger than 1/8 inch. Seal cracks flush with the AVM Acripatch 5020 patching compound or other exterior grade, traffic bearing patching compound.
- C. Just prior to beginning the installation of the membrane 700, thoroughly clean the areas to receive this work with a broom or blower to remove all debris and dust from the work area.

System Application

Important Note: The following material coverages may vary based on job conditions, Substrate conditions and other factors. Please read the coverage charts carefully prior to the application of the AVM System 700.

Primer Application: (optional) AVM recommends applying AVM Primer 100 (acrylic primer) to all surfaces prior to installing the membrane. In demanding applications and for best bonding results, use AVM's epoxy primer.

Membrane Installation Instructions

Reinforcement: Reinforce all cracks, joints and corners by covering them with the 6" fabric embedded in some of the Paste 700. Apply a second layer of the 6" fabric and Paste 700 at critical corners and areas subjected to stress or movement. Tuck the fabric tightly into corners using a brush and Paste 700. Allow to dry until dry to the touch.

Surface Areas: Precut the fabric allowing a minimum of 2" overlap at seems and make sure to leave enough fabric to roll up at base coves and flashings. Apply a liberal coat of the Paste 700 to an area 4" larger than the fabric width using a roller or brush. Lay the fabric onto the wet paste and push it down gently with the brush, allowing the paste to bleed through it. Remove all wrinkles. Once the mat is properly embedded, apply another coat of the Paste 700 over the wet fabric. Continue this procedure until all the areas scheduled to receive the Membrane 700 are covered. Allow to cure until dry. Then, apply another coat of the AVM Paste 700 to the entire area. Allow to thoroughly cure.

Membrane Inspection

- 1. After the membrane has cured, carefully inspect the surface for bubbles blotches, clumps or other imperfections at the fabric joints or within the field areas.
- 2. If bubbles, blotches, clumps or other imperfections are found, remove them and the surrounding area by cutting them out and reinstalling the membrane per the membrane installation instructions.
- 3. Carefully inspect the membrane for imperfections. (The membrane should be completely and evenly sealed) If imperfections are found, apply another coat of the AVM paste 700 at the rate of one (1) gallon per 100 square feet, or until the imperfections are sealed.
- 4. **Flood testing is highly recommended whenever possible. Do not flood test until membrane has fully cured!**

you are now ready to install the tile or other finish surfaces. (Or the optional protective coating)
To install the protective coating, please refer to the "Protective Coating" installation instructions.

Membrane Installation Over Plywood Substrates

Inspection of Plywood Substrates



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Installation Instructions - AVM System 700 Under Tile Waterproofing and Anti-Fracture Membrane

- A. Plywood must be at least 5/8" thick, Exterior Grade, Structural plywood with maximum span of 16" between supports. All plywood edges must be properly supported and fastened to the support structure below. Joints must be properly blocked. All nails or screws shall be flush to the plywood surface or slightly sunk in. Plywood to have 1/8" spacing between sheets, installed perpendicular to the supports below and installed per code.
- B. AVM recommends using ACX grade plywood, installed with the smooth side facing up. CDX is acceptable as well. OSB plywood is not recommended and if used, will void all warranties!
- C. Plywood substrate shall be clean, free of dirt, dust, oil, grease and other materials that can prevent or reduce the bonding of the system to the plywood.
- D. Plywood shall be securely attached with glue to wood beams and joices. In lieu of glued connections, screw or nail plywood with non-rising, ring shank nails spaced at 6 inches on centers maximum or as required by code.
- E. Damaged plywood substrate areas with noted defects or deflections shall be repaired or replaced prior to commencement of deck system application.
- F. Verify that substrate provides adequate slope for proper drainage. (Recommended slope: 1/4" per foot)
- G. Verify that all sheet metal flashing and related accessories are properly secured and joints solidly imbedded in sealant. Install Galvanized or preferably Bonderized edging metal where shown or required for a complete installation.

Preparation of Plywood Substrates

- A. Clean (scrape if necessary) all sheet metal areas to receive the deck coating. Sheet metals made out of Galvanized or Bonderized Steel need to be wiped clean using a rag and water mixed with a strong detergent. (Make sure all oil residues are removed)
- B. Caulk all exposed sheet metal joints, and other hard to reach areas. Especially areas prone to leaking. Special attention should be given to the following areas: Corners, around drains and scuppers, voids, holes, and around posts.
- C. Seal plywood joints and cracks flush with the AVM Acripatch 5020 patching compound or other exterior grade, traffic bearing patching compound.
- D. Just prior to beginning the installation of the membrane 700, thoroughly clean the areas to receive this work with a broom or blower to remove all debris and dust from the work area.

Primer Application: (optional) AVM recommends applying AVM Primer 100 (acrylic primer) to all surfaces prior to installing the membrane. In demanding applications and for best bonding results, use AVM's epoxy primer.

Membrane Installation Instructions

Reinforcement: Reinforce all cracks, plywood joints and corners by covering them with the 6" fabric embedded in some of the Paste 700. Apply a second layer of the 6" fabric and Paste 700 at all corners and areas subjected to stress or movement. Tuck the fabric tightly into corners using a brush and Paste 700. Allow to dry until dry to the touch.

Surface Areas: Precut the fabric allowing a minimum of 2" overlap at seems and make sure to leave enough fabric to roll up at base coves and flashings. Apply a liberal coat of the Paste 700 to an area 4" larger than the fabric width using a roller or brush. Lay the fabric onto the wet paste and push it down gently with the brush, allowing the paste to bleed through it. Remove all wrinkles. Once the mat is properly embedded, apply another coat of the Paste 700 over the wet fabric. Continue this procedure until all the areas scheduled to receive the Membrane 700 are covered. Allow to cure until dry. Then, apply another coat of the AVM Paste 700 to the entire area. Allow to thoroughly cure.

Membrane Inspection

- 1. After the membrane has cured, carefully inspect the surface for bubbles blotches, clumps or other imperfections at the fabric joints or within the field areas.
- 2. If bubbles, blotches, clumps or other imperfections are found, remove them and the surrounding area by cutting them out and reinstalling the membrane per the membrane installation instructions.
- 3. Carefully inspect the membrane for imperfections. (The membrane should be completely and evenly sealed) If imperfections are found, apply another coat of the AVM paste 700 at the rate of one (1) gallon per 100 square feet, or until the imperfections are sealed.
- 4. **Flood testing is highly recommended whenever possible. Do not flood test until membrane has fully cured!**

Protective Coating

Please refer to the "Protective Coating Installation Instructions".



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Installation Instructions - AVM System 700 Under Tile Waterproofing and Anti-Fracture Membrane

Protective Coating Installation Instructions

Optional when the membrane is bonded directly to cement. Required when the membrane is bonded directly to plywood

Description

The protective layer is a special cement mix made at the consistency of slurry which is applied 1/16" thick, and when cured, achieves over 6000 PSI.

Advantages

- A. The protective coating protects the membrane from physical damage and the elements from the time the protective coating is applied to the time the finish surfaces (such as tile) are installed. This is particularly helpful in preventing accidental damage to the waterproofing membrane by the tile installers and other trades while the tile is being installed and other work is being done.
- B. It increases the amount of time you can wait for the tile to be installed. Without the protective layer, we recommend the membrane be covered (the tile be installed) within 30 days after it has cured. Once the protective coating is installed however, the time could easily be increased to 90 days! This extra time provides extra flexibility in scheduling.
- C. The protective layer bonds to the membrane much stronger than some of the best thin sets.
- D. Thin set bonds extremely well to the protective layer. (Including the low-end thin set ANSI 118.1)

Protective Layer Components

AVM Crete 6700 Consists of:

- | | | |
|----|----------------------------|--|
| A. | AVM Aggregate 200 | A 50 pound bag of AVM Aggregate 200. (Cementitious) |
| B. | AVM Concrete Additive 7700 | 1.00/5.00 Gal containers of the AVM Concrete Additive 7700 Liquid. |

Recommended Tools

- Electric Drill and paddle
- Cutting knife
- Brush
- Trowel

Installation Instructions

Preparation

Just prior to beginning the installation of the protective coating, thoroughly clean the areas to receive this work with a broom or blower to remove all debris and dust from the work area.

Mixing

Wear eye protection while mixing!

- A. Put 1.00 gallon of the AVM Concrete Additive 7700 in an empty 5 gallon bucket.
- B. While mixing with the drill and paddle, Slowly add the entire contents of the AVM Aggregate 200 bag into the bucket.
- C. Mix thoroughly using an electrical drill and paddle.
- D. Continue to add additive as necessary until a soft paste consistency is reached. Expect to use approximately 1¼ gallons of additive for each 50 pound bag of the AVM Aggregate 200.

Application

Apply a thin layer of the protective coating using a trowel or wide brush. Make sure the entire membrane is properly covered. For better thin set bonding, give the protective coating a slight broom finish.

you are now ready to install the tile or other finish surfaces.



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Installation Instructions - AVM System 700 Under Tile Waterproofing and Anti-Fracture Membrane

Notes / Testing / Options

Special Notes for Waterproofing Shower Pans

- Make sure all plywood joints and corners do not have cracks or gaps exceeding 1/8" wide.
- Slope the shower pan floor with AVM Crete 6400 or other reinforced concrete mud bed. (Min 2500 PSI after 28 days)

Flood Testing

Under tile waterproofing membranes are berried underneath the finished surfaces (such as tile) and are not readily accessible for repairs. If a leak is found, the only way to repair them would be to remove the tile, repair the damaged membrane, and then reinstall the tile. This would be time consuming, inconvenient and costly.

Flood testing provides an efficient and economical method to test the waterproofness of the membrane prior to proceeding with the installation of the protective coating or the finished surfaces. Following are some guidelines for flood testing.

- **Make sure the membrane is fully cured!**
- Visually inspect corners and other hard to reach areas for openings where water might penetrate.
- Fix all openings prior to proceeding with the flood test

- Close the drains using drain plugs or other methods
- Be careful not to damage the membrane while walking on it or plugging the drains.
- Slowly fill the deck area with water. Do not overfill! Be extra careful when flood testing on decks built over wood substrates! The extra weight of the water could cause damage or cause the deck to collapse. If you are not sure the deck can support the extra weight of the water, consult with an architect or structural engineer before flood testing!

Other Optional Materials

- I. **Caulking:**
Construction Grade quality sealant, compatible with system materials, as manufactured by Sika (Sika Flex 1a) or equal for sealing of perimeter joints and other waterproofing system discontinuities.
- J. **Patching Compound:**
AVM Acripatch 5020 for application at joints, voids, cracks, and wood knots not exceeding 1/4 inch maximum thickness.
- K. **AVM Crete 6400/6460** (for mud beds) consisting of AVM Aggregate 400 bags and concrete additive 7400 or 7160.

Thin Set Requirements:

- A. When the membrane is bonded directly to concrete, the minimum thin-set required must comply with ANSI A118.4 (AVM Thin-Set 780, 770 or 760 + AVM Additive 7400/7160)
- B. When the membrane is bonded directly to plywood, the minimum thin-set required must comply with ANSI A118.4 (AVM Thin-Set 780, 770 or 760)

- AVM Thin-Set 780 - (ANSI A118.4) Polymer Modified High Performance Thin-Set (The best)
- AVM Thin-Set 770 - (ANSI A118.4) Polymer Modified High Performance Thin-Set (Multi-Purpose)
- AVM Thin-Set 760 - (ANSI A118.1) Basic Thin-Set. Best if mixed with AVM Additive 7400/7160
- AVM Stone-Set 790 Polymer Modified High Performance Stone Setting Material



8245 Remmet Ave Canoga Park, CA. 91304 (888) 414-1041

Installation Instructions - AVM System 700 Under Tile Waterproofing and Anti-Fracture Membrane

Repairing Damage to the AVM System 700, Under Tile Waterproofing System (When the substrate is not damaged)

Damage Description (1)

A leak or a bad section of the AVM Membrane 700 is detected. (No protective coating or finished surfaces are installed)

Method of Repair

1. Cut out an area of the membrane 6" larger in diameter than the defective area.
2. Clean the substrate of any loose materials using a scraper or and a stiff brush.
3. Remove anything else that might prohibit bonding of the new materials.
4. Reapply the membrane 700 to the damaged area following the appropriate installation instructions. (min 2" overlap)
5. Allow to properly cure. Once cured, visually inspect the repaired area for imperfections.
6. (Optional) Do another flood test.

Damage Description (2)

A leak or a bad section of the AVM Membrane 700 is detected. Protective coating is installed. (No finished surfaces are installed)

Method of Repair

1. Remove or scrape off the protective coating as much as possible from an area 9" larger in diameter than the defective area.
2. Cut out and area of the membrane 6" larger in diameter than the defective area.
3. Clean the substrate of any loose materials using a scraper or and a stiff brush.
4. Remove anything else that might prohibit bonding of the new materials.
5. Reapply the membrane 700 to the damaged area following the appropriate installation instructions. (min 2" overlap)
6. Allow to properly cure. Once cured, visually inspect the repaired area for imperfections.
7. (Optional) Do another flood test.
8. Reapply the protective coating.

Damage Description (3)

A leak or a bad section of the AVM Membrane 700 is detected. Protective coating and finished surfaces are installed.

Method of Repair

1. Gently as possible, remove the finished surface from an area 12" larger in diameter than the defective area. Be careful not to damage the membrane underneath!
2. Remove or scrape off the protective coating as much as possible from an area 9" larger in diameter than the defective area.
3. Cut out and area of the membrane 6" larger in diameter than the defective area.
4. Clean the substrate of any loose materials using a scraper or and a stiff brush.
5. Remove anything else that might prohibit bonding of the new materials.
6. Reapply the membrane 700 to the damaged area following the appropriate installation instructions. (min 2" overlap)
7. Allow to properly cure. Once cured, visually inspect the repaired area for imperfections.
8. (Optional) Do another flood test.
9. Reapply the protective coating.

Repairing Damage to the AVM System 700, Under Tile Waterproofing System (When the substrate is damaged)

Damage Description (4)

A leak or a bad section of the AVM Membrane 700 is detected and the substrate is damaged as well.

Method of Repair

You MUST contact AVM Industries, an authorized AVM Industries installer or a professional contractor to review the damage. Since the substrate is damaged, the repairs must be done very carefully to ensure the Fire Resistance and or the Structural Strength of the deck is not compromised during and after the repairs!



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Installation Instructions - AVM System 700 Under Tile Waterproofing and Anti-Fracture Membrane

Coverage Charts & Technical Information

The following coverages are based on controlled tests. Actual coverages may vary.

Materials	One Kit Makes	One Kit Covers at 1/16" Thick
AVM Crete 6200 - Protective Coating	4 Gallons of Mixed Product	80 Square Feet
Weight of 1 Sqft of AVM Crete 6200 installed and Cured		1 Sqft at 1/16" thick = ~0.625 Lbs

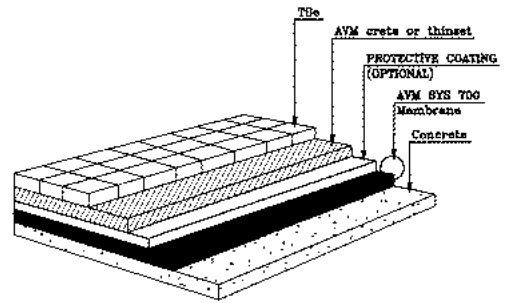
Materials	Over Plywood	Over Concrete	Over Sheet Metal
AVM Primer 100 (Optional)	200-300 Sqft/gal	200-300 Sqft/gal	200-300 Sqft/gal
AVM Paste 700	40 Sqft/gal	40 Sqft/gal	40 Sqft/gal
AVM Matt 800 (6" and 40")	Min 2" Overlaps Allow 5%-10% waste		

Technical Data - AVM System 700		
Over Substrate Type	Cement	Plywood
Fungus and Micro Organism Resistance	Pass	Pass
Breaking Strength - ASTM D-752 (1989)	Pass	Pass
Seam Strength - ASTM D-751 (1989)	Pass	Pass
Dimensional Stability - ASTM D1204	Pass	Pass
Waterproofness - ASTM D-4068	Pass	Pass
Shear Strength to Ceramic Tile and Cement Mortar after 100 Days Immersion - ASTM C-482	Pass	Pass

General Data - AVM System 700	
Shelf Life: (Liquids)	One year in original unopened packaging.
Storage Conditions:	Store dry at 50-90F. If frozen, discard
Cement Mixing Ratio:	One 50 Lbs bag Aggregate 200 to 1.0-1.25 gal additive 7700
Paste Color:	Paste is Black
Additive Color:	AVM Additive 7700 is Black
Protective Coating:	AVM Crete 6200 is Gray.
Protective Coating Strength:	AVM Crete 6200 achieves over 6000 PSI when cured, providing excellent protection and bonding

Packaging:	AVM Aggregate 200 50 LB Bag AVM Additive 7700 1.00/5.0 Gal pails AVM Paste 700 3.5/5.0 Gal pails Mat 800 40" wide x 324 Ft. Long ... 1080 Sq. Ft Mat 800 6" wide x 300 Ft. Long 150 Sq. Ft 250 Sq. Ft. Kit 1 box + 2 (3.5 Gal) buckets
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Approximate Shipping Weights:	AVM Aggregate 200 50 Lbs/Bag AVM Additive 7700 1.00/5.0 Gal 9/46 Lbs AVM Paste 700 3.5/5.0 Gal 33.5/46 Lbs Mat 800 40" wide x 324 Ft. Long 27 Lbs Mat 800 6" wide x 300 Ft. Long 3 Lbs 250 Sq. Ft. Kit 78 Lbs
--------------------------------------	--



AVM System 700 Under Tile Waterproofing Membrane / Anti-Fracture Membrane



INDUSTRIES, INC.

8245 Remmet Ave, Canoga Park, CA. 91304-4133
Tel: (888) 414-1041 Tel: (818) 888-0050 Fax: (818) 888-0030

Maintenance Instructions

AVM System 700, Tile Waterproofing

Congratulations on your selection of the AVM System 700, Tile Waterproofing! The membrane you have chosen is a high quality waterproofing membrane that will provide years of protection and performance.

MAINTENANCE:

The best part is: **No periodical maintenance is required!**

PERIODICAL INSPECTIONS:

AVM Recommends that the areas waterproofed with the AVM System 700 be inspected twice each year. Areas might include decks, patios, court-yards, common areas, kitchens, baths, ponds, etc.

Things to look for should include:

1. Inspect all areas where the AVM System 700 was installed to make sure the tile, stone or other finished surface is still properly attached and is intact. (ie, tiles aren't broken, popping out, etc)
2. Inspect drains, scuppers, overflows, etc, where applicable, to make sure that they are properly attached, have the necessary protection screens clear of debris and will allow water to properly drain.

REPAIRS TO THE MEMBRANE:

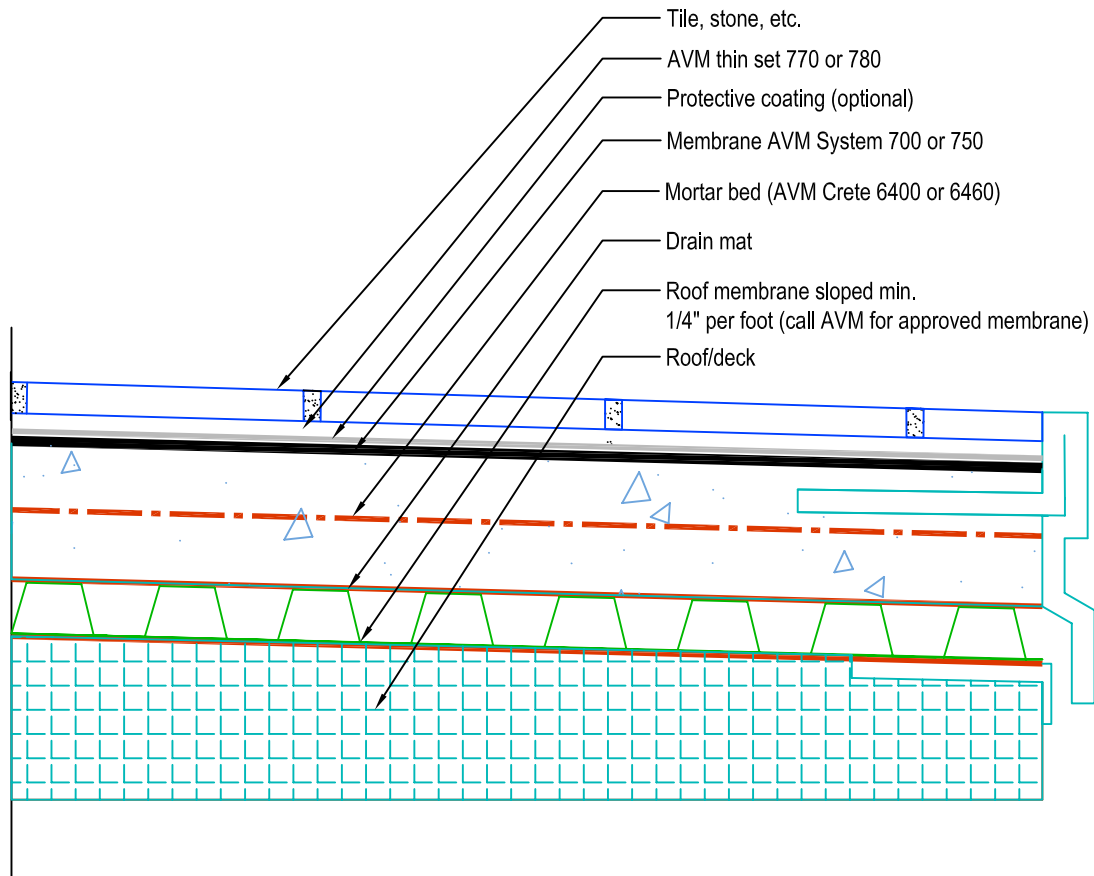
ACCIDENTAL DAMAGE / REMODELING, Etc: Contact AVM Industries, your Distributor or your local Authorized Applicator for assistance. Do not leave damage unattended. It could void the warranty.

DETAIL # :	0700/0750-0002-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

Tile Assembly

AVM Systems 700/750

Exterior Roof or Deck Floors with Double Membrane over Concrete Substrates



Notes:

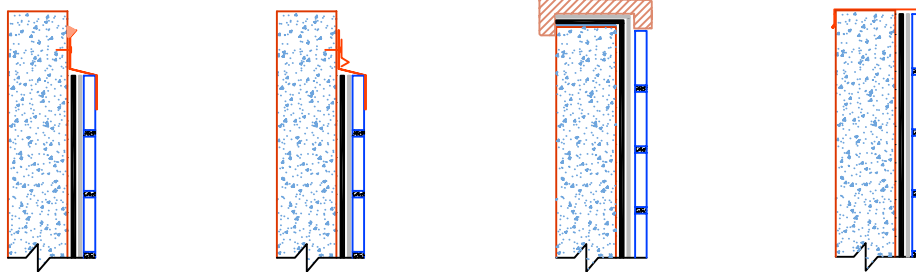
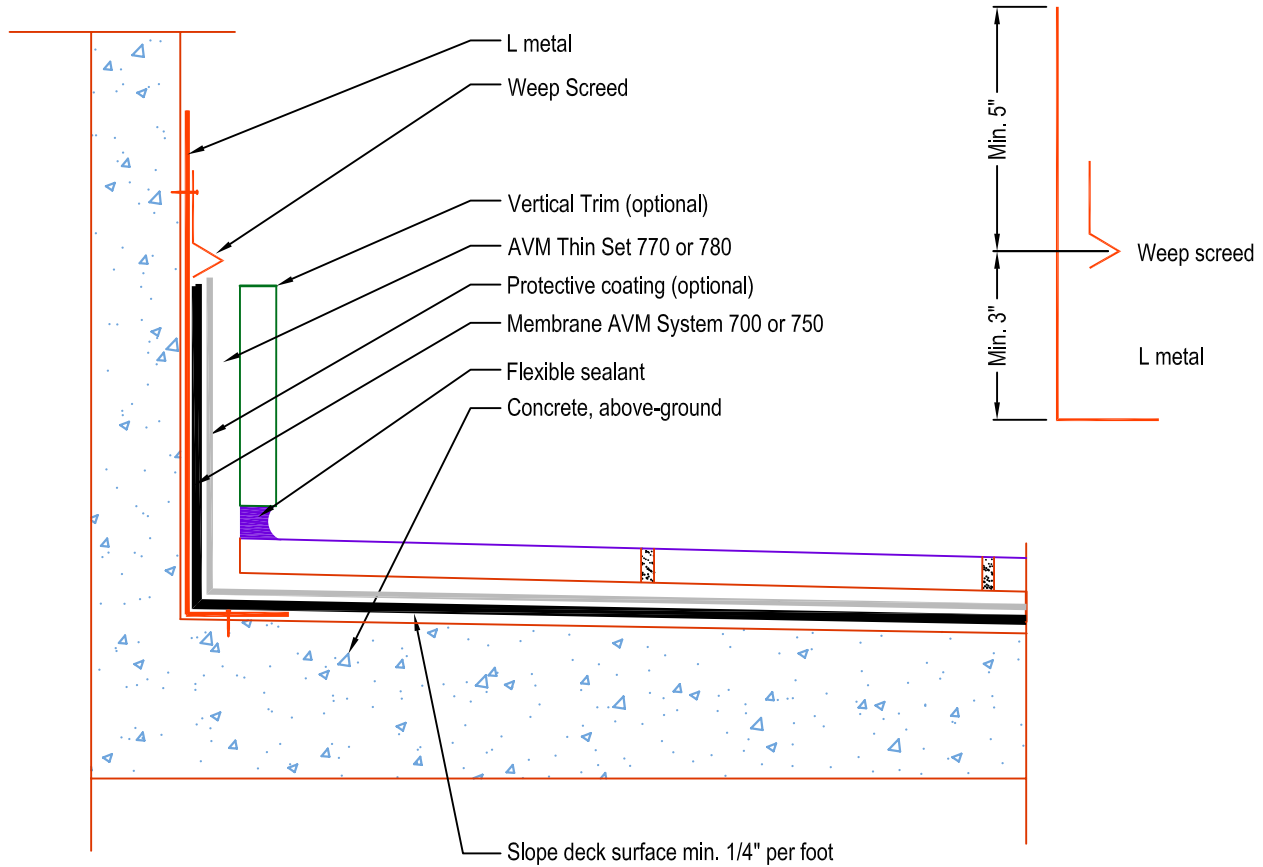
1. See AVM tile detail notes sheet for notes 2, 4, 5, 6, 8, 9, 10, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

Quality Waterproofing Products

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DETAIL # :
0700/0750-0042-C
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Exterior Roof or Deck Floors with
Single Membrane over Concrete substrates,
AVM Systems 700/750



Terminations

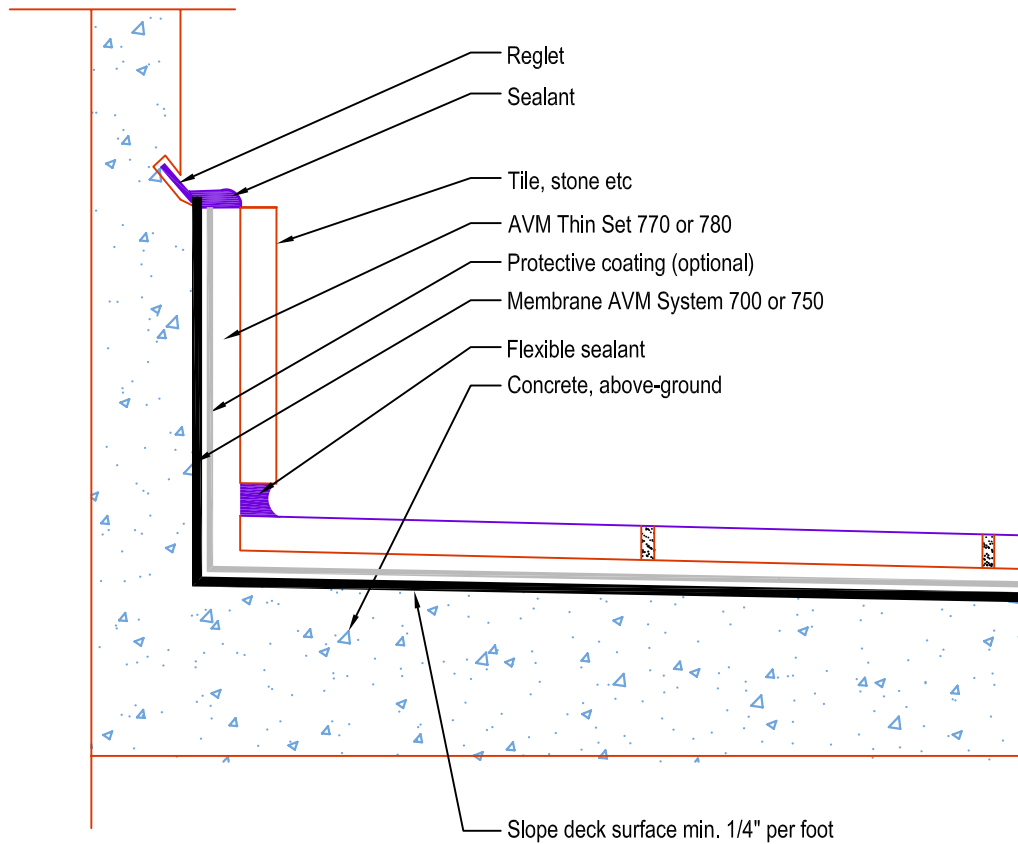
- Notes:
1. See AVM tile detail notes sheet for notes 2, 4, 5, 6, 9, 12.
 2. Wall termination shown with L-Metal + Screed.
 3. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.
 4. If back side of tiled wall is exposed to the weather, it must be waterproofed.

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DETAIL # :	0700/0750-0102-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

Tile Assembly
AVM Systems 700/750
 Exterior Balcony or Deck Floors over
 Concrete substrates



Notes:

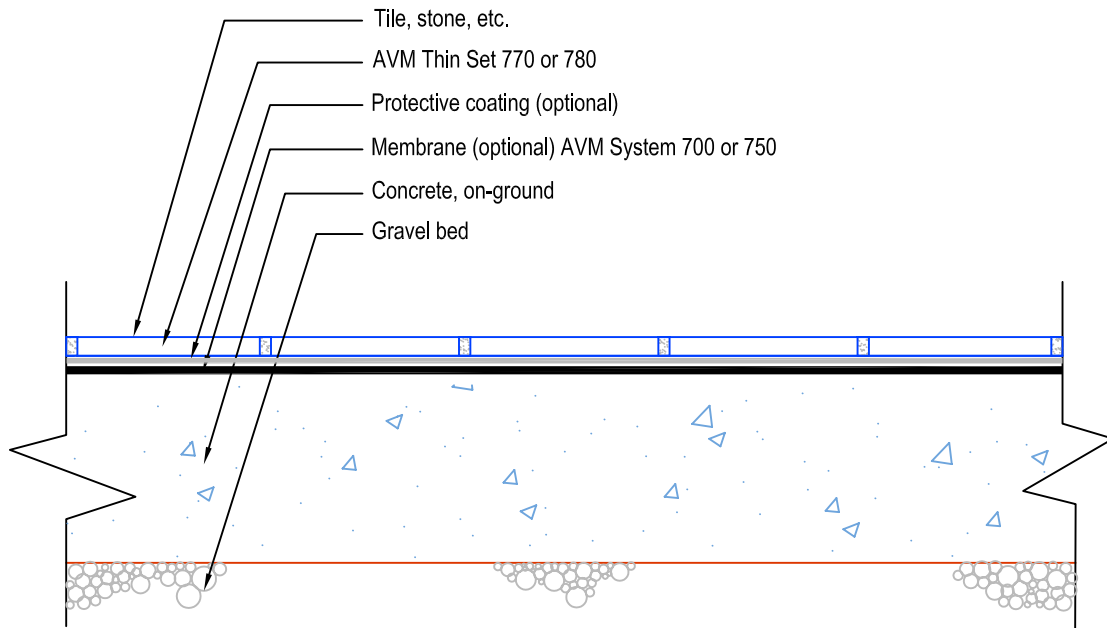
1. See AVM tile detail notes sheet for notes 2, 4, 5, 6, 9, 12.
2. Wall termination/tie-in shown with Reglet detail
3. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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Quality Waterproofing Products

DETAIL # :	0700/0750-0502-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

Tile Assembly,
Exterior Floors over Slabs on Grade
AVM Systems 700/750



Notes:

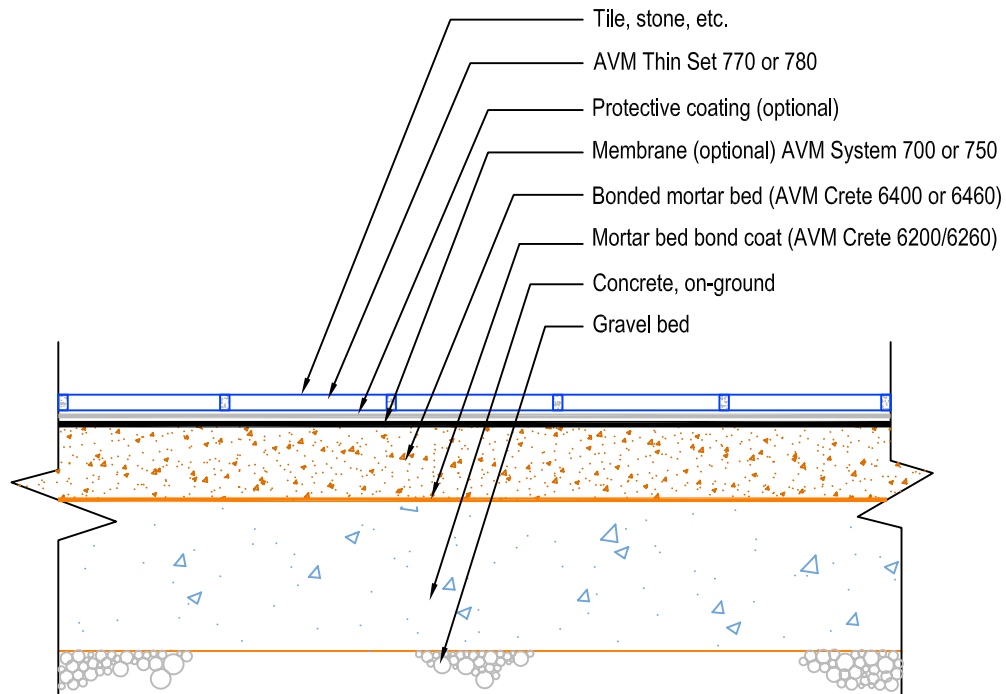
1. See AVM tile detail notes sheet for notes 2, 4, 5, 6, 7, 9, 12.
2. Wall termination/tie-in shown with Reglet detail
3. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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Quality Waterproofing Products

DETAIL # :
0700/0750-0602-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly, Exterior Floors over Slabs on Grade, with Bonded Mortar Bed AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 2, 4, 5, 6, 7, 9, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

Quality Waterproofing Products

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FILE NAME: 0700-0750-0602-C-Tile-Assembly-over-Slab-on-Grade-with-Mortar-Bed-CS-TXR

TXR-F101-11-ASR

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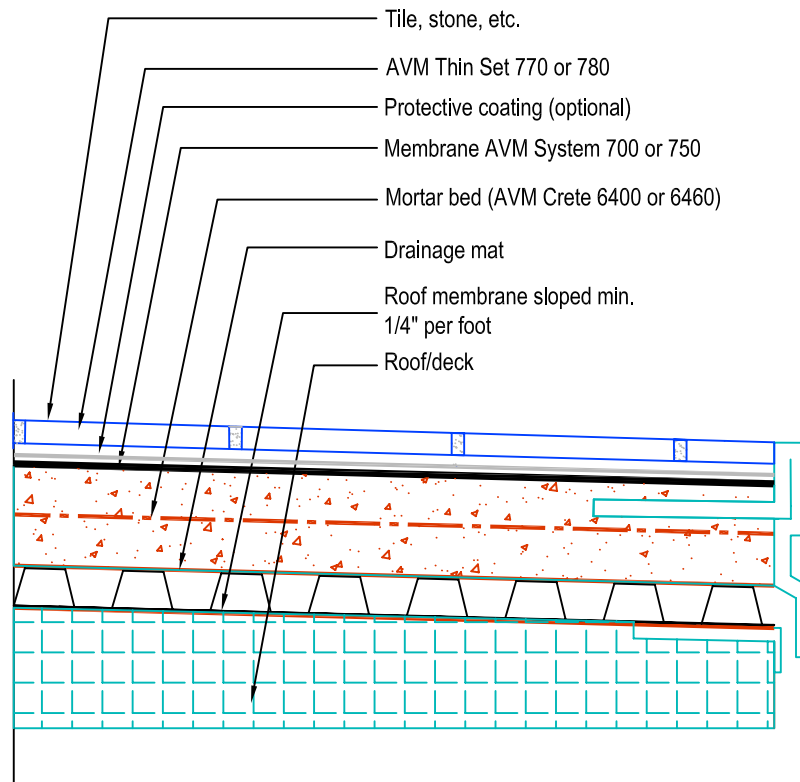
Revision Date: 12/16/2011

DETAIL # :
0700/0750-1002-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Exterior Roof or Deck Floors over Wood Frame, Double Membrane AVM Systems 700/750



Notes:

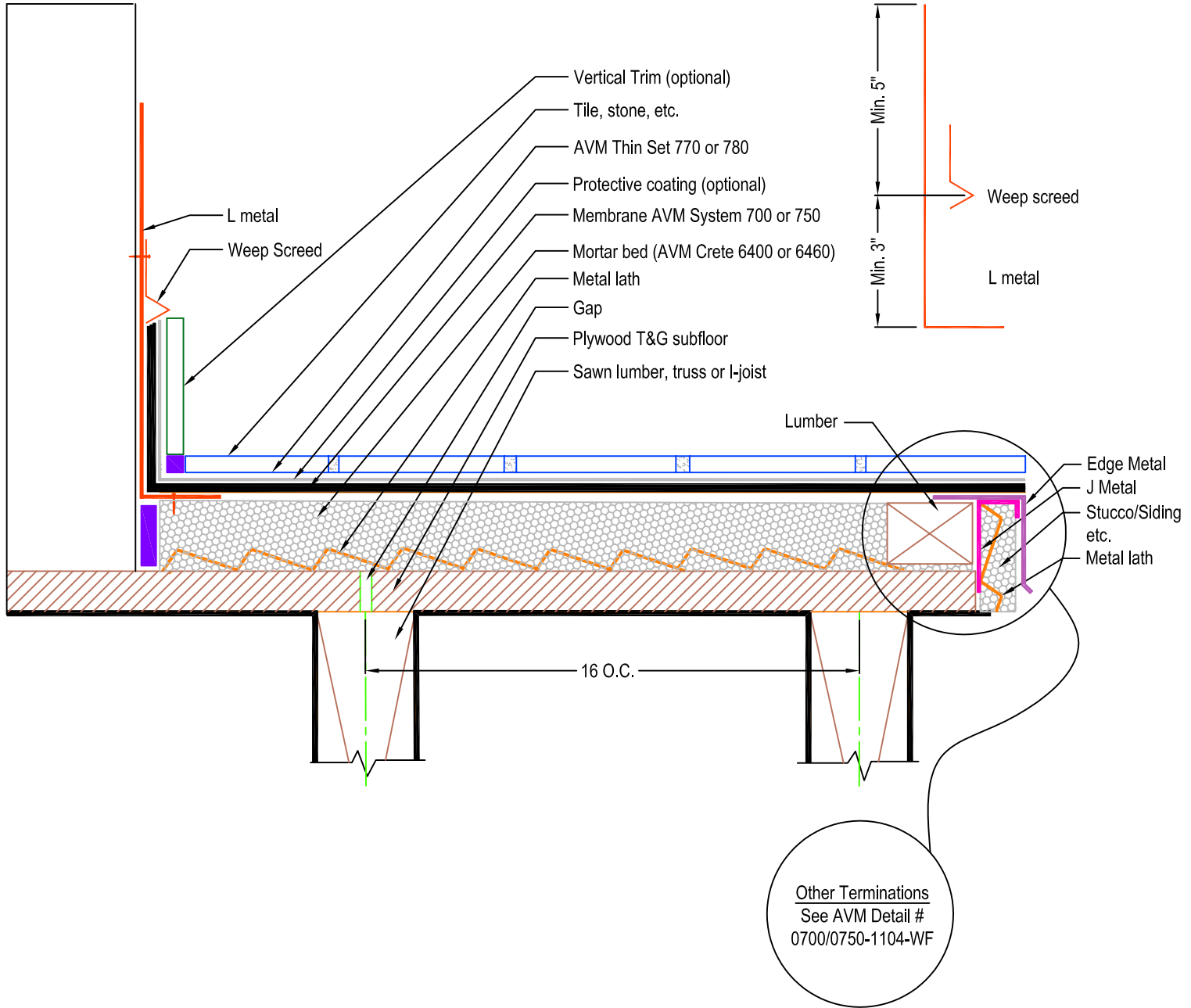
1. See AVM tile detail notes sheet for notes 2, 4, 5, 6, 8, 9, 10, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-1102-WF
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly, Exterior Roof or Deck Floors over Wood Frame, Single Membrane over Mortar-Bed, for Thin-Set, AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 2, 4, 5, 6, 8, 9, 12.
2. Wall termination shown with L-Metal + Screenshot.
3. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM Thin-Set 770. For best results, use AVM thin-set 780.
4. If back side of tiled wall is exposed to the weather, it must be waterproofed.
5. Must use min 5/8" exterior grade plywood. All plywood joints must be fully blocked.
6. Alternatively, The L-Metal may be installed directly onto the plywood before installing the metal lath and mortar bed.

Quality Waterproofing Products

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FILE NAME: 0700-0750-1102-WF-Tile-Assembly-Roof-or-Deck-Single-Membrane-over-Mortar-Bed-Thin-Set-CS

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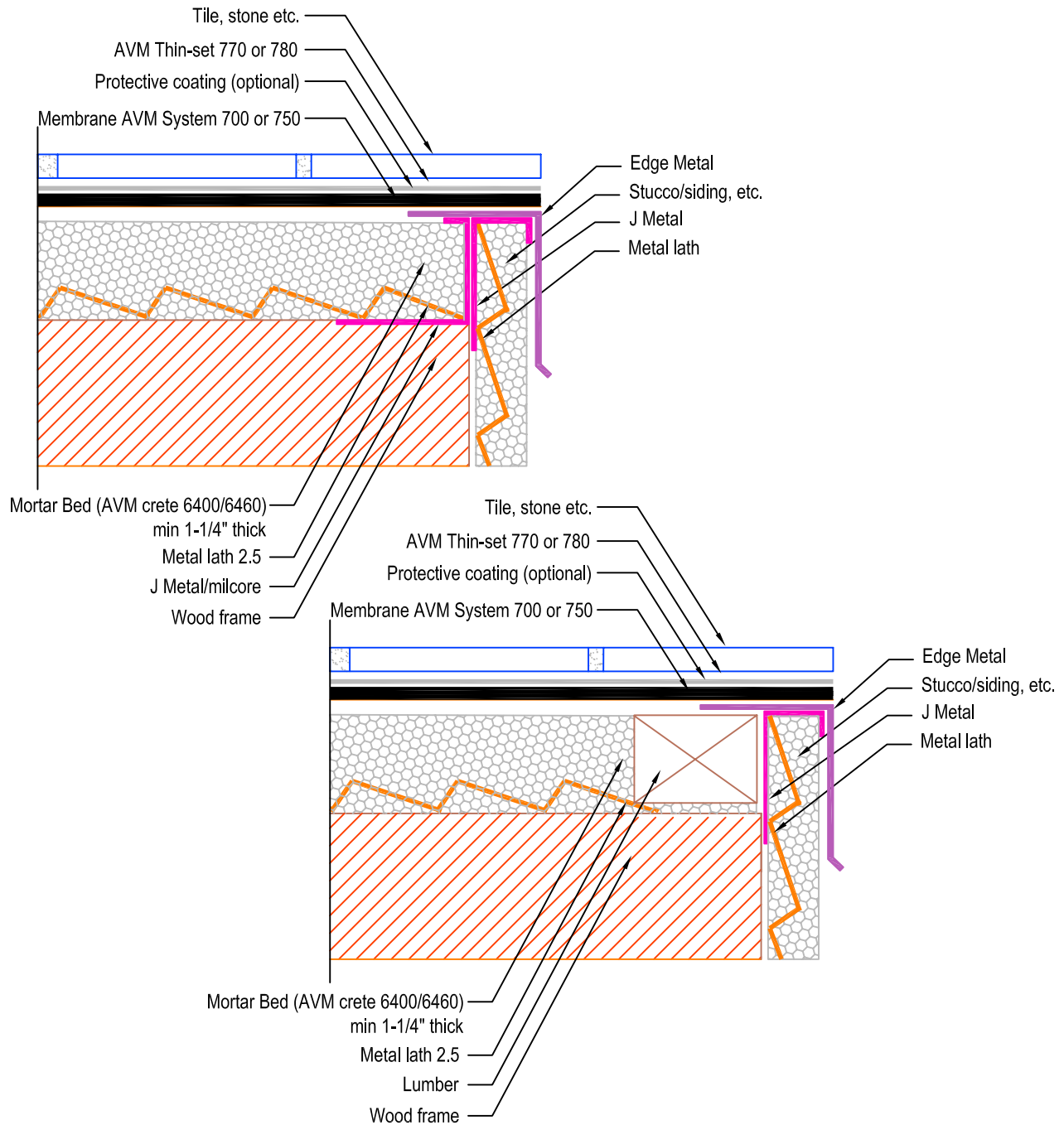
Revision Date: 05/06/2013

DETAIL # :
0700/0750-1104-WF

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Terminations (Thin-Set) Tile Assembly, Exterior Roof or Deck Floors over Wood Frame, Single Membrane over Mortar-Bed, for Thin-Set, AVM Systems 700/750



Notes:

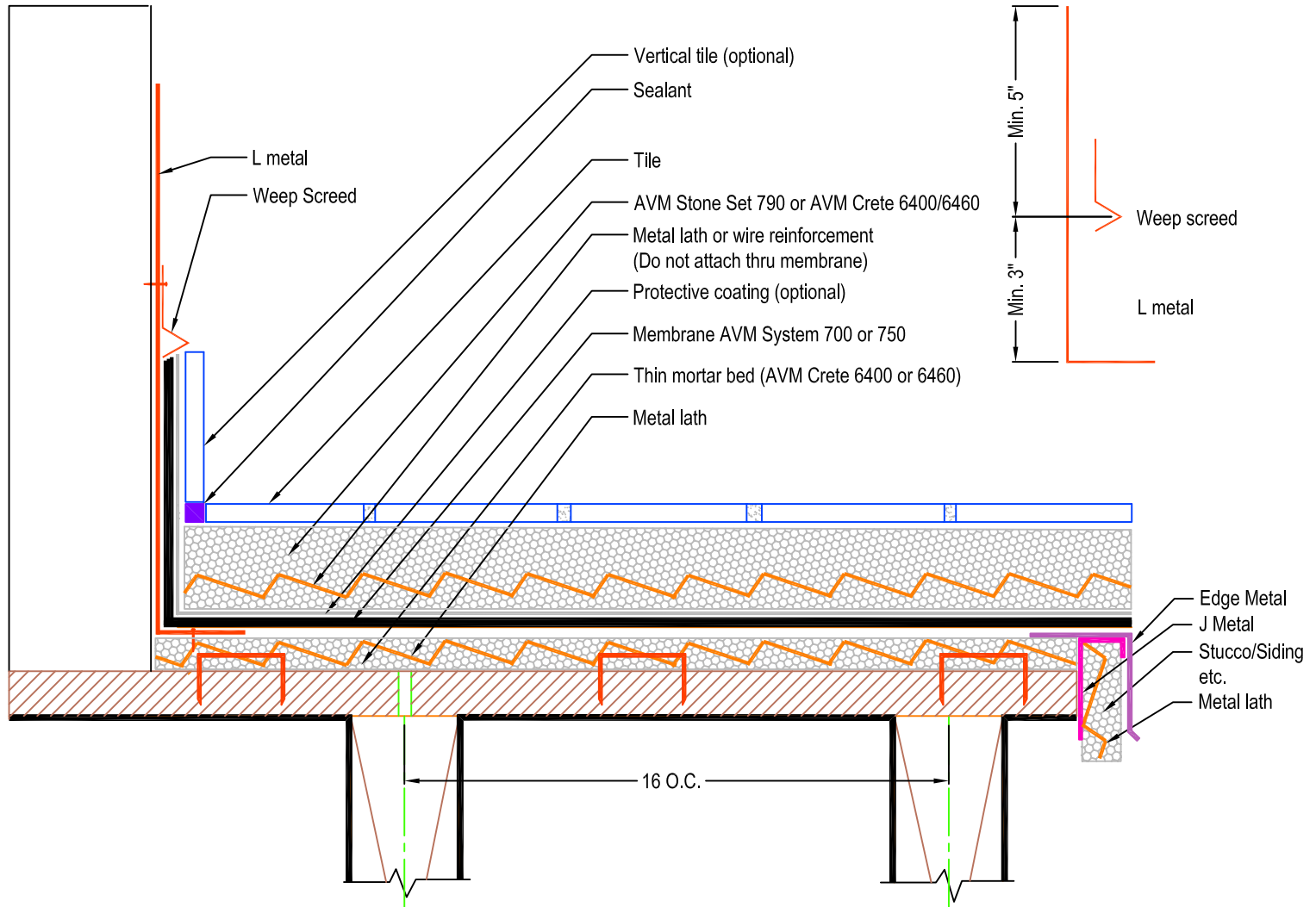
1. See AVM tile detail notes sheet for notes 2, 4, 5, 6, 8, 9, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM Thin-Set 770. For best results, use AVM thin-set 780.
3. Must use min 5/8" exterior grade plywood. All plywood joints must be fully blocked.

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Quality Waterproofing Products

DETAIL # :
0700/0750-1112-WF
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly, Exterior Roof or Deck Floors
over Wood Frame, Single Membrane over
Mortar-Bed, for Thick-Set,
AVM Systems 700/750



- Notes:
1. See AVM tile detail notes sheet for notes 2, 4, 5, 6, 8, 9, 12.
 2. Wall termination shown with L-Metal + Screed.
 3. AVM recommends using AVM Thickset 790, AVM Crete 6400 or 6460 or other approved thicksets.
 4. If back side of tiled wall is exposed to the weather, it must be waterproofed.
 5. Must use min 5/8" exterior grade plywood. All plywood joints must be fully blocked.
 6. Metal lath or wire in the thickset could damage membrane. Always protect the membrane using "Protective Coating", paper or other protection.
 7. The combined thickness of the thin mortar bed plus the setting bed must be a min 1.25" thick.

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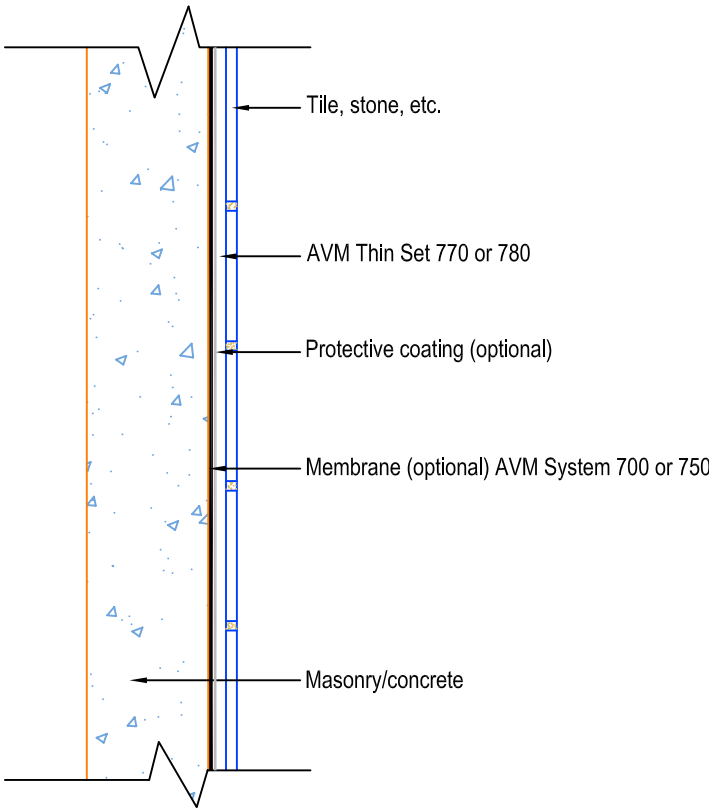
FILE NAME: 0700-0750-1112-WF-Tile-Assembly-Roof-or-Deck-Single-Membrane-over-Mortar-Bed-Thick-Set-CS

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Revision Date: 05/06/2013

DETAIL # :	0700/0750-1502-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

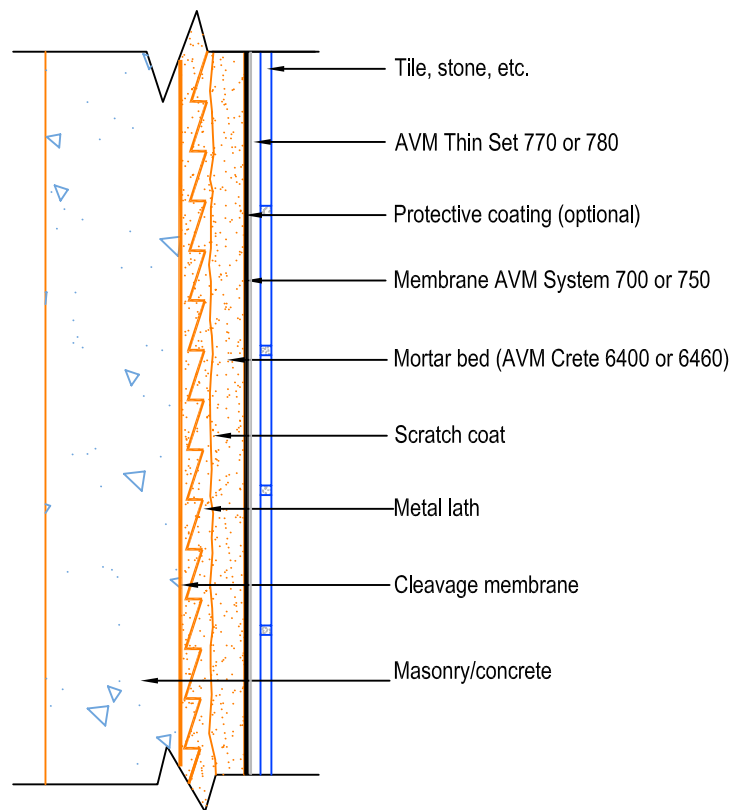
**Tile Assembly,
over Exterior Concrete or Masonry Walls,
AVM Systems 700/750**



- Notes:**
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
0700/0750-1552-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly Over Exterior Concrete or Masonry Walls With Mortar Bed AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 13.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

Quality Waterproofing Products

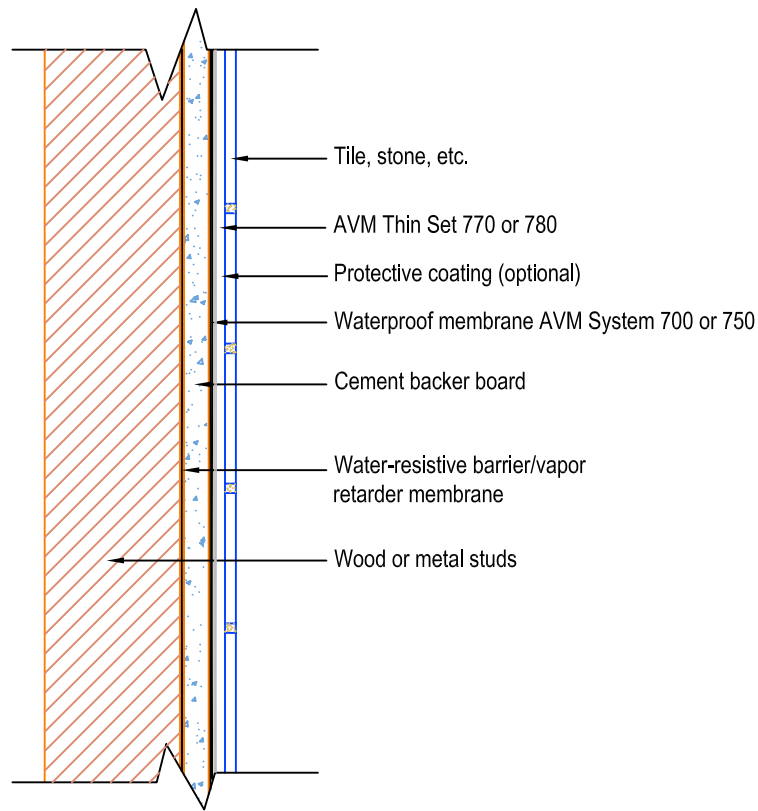
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DETAIL # :
0700/0750-1702-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly,
Exterior Walls over Wood or Metal Studs
and Cement Backer Board,
AVM Systems 700/750



Notes:

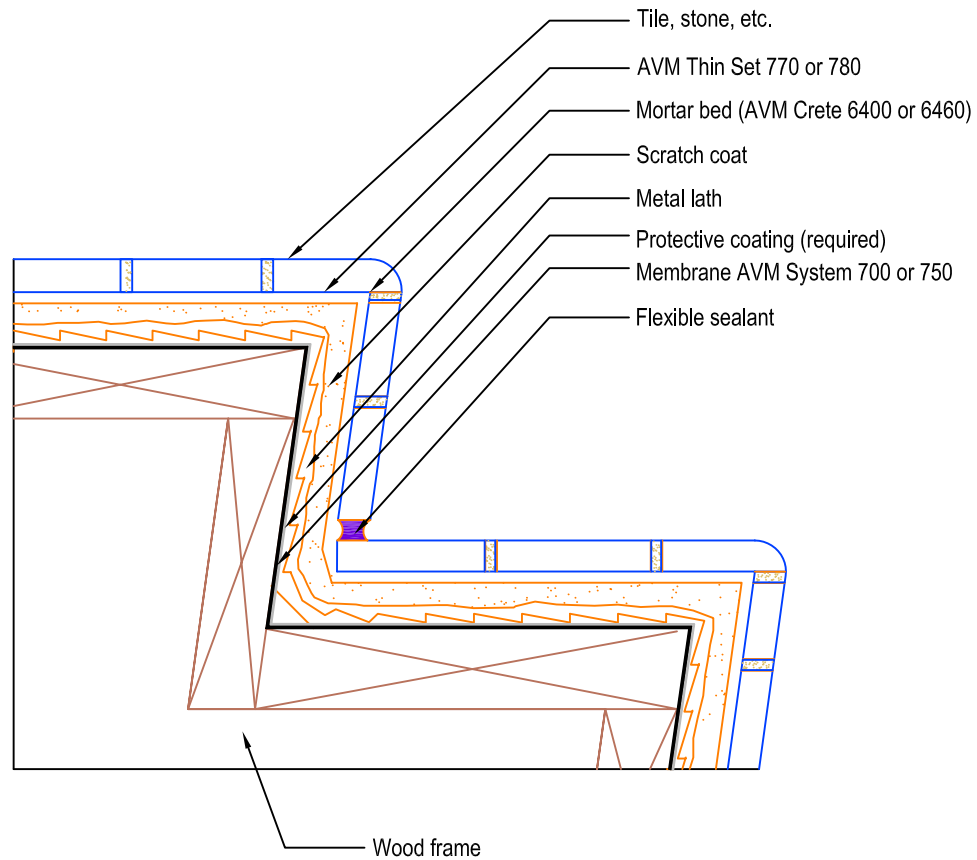
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 13.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

Quality Waterproofing Products

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DETAIL # :
0700/0750-2202-WF-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly, over Exterior Wood Stairs, Membrane Under Mortar Bed AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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Quality Waterproofing Products



Tile Detail Notes

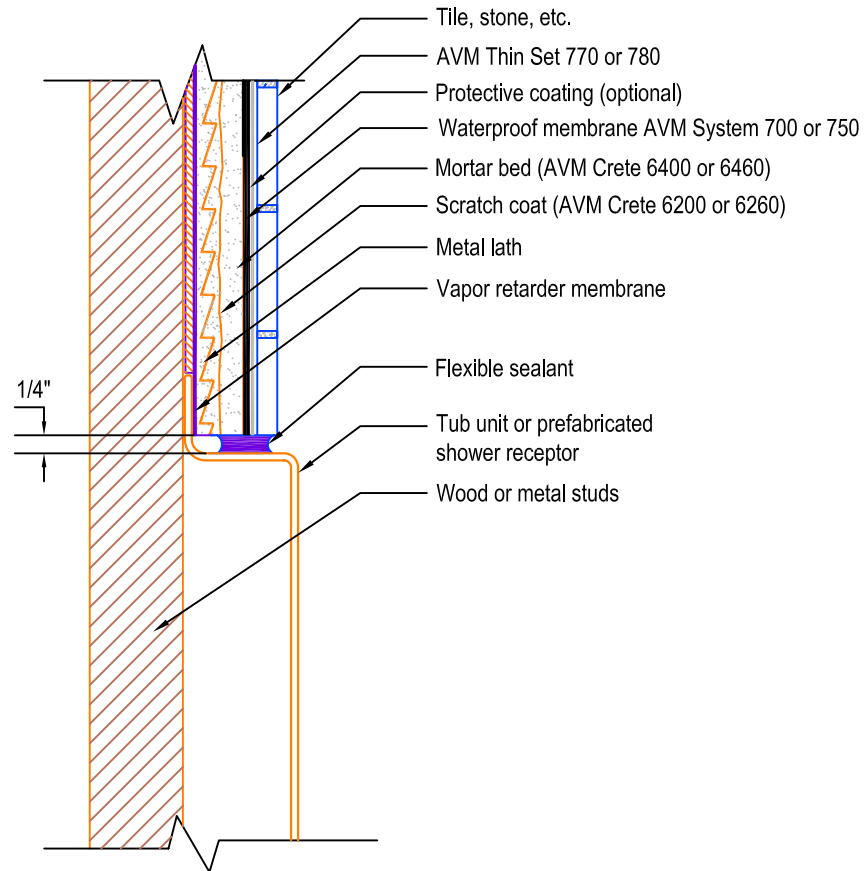
1. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. AVM System 700, breathable, fully reinforced, UV stable, acrylic membrane. ICC ESR-2662, LARR 25431, LARR M-050065. Although either membrane may be used, for this type of application, AVM recommends using the AVM System 750. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
2. AVM System 700, breathable, fully reinforced, UV stable, acrylic membrane. ICC ESR-2662, LARR 25431, LARR M-050065. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. Although either membrane may be used, for this type of application, AVM recommends using the AVM System 700. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
3. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. AVM System 700, breathable, fully reinforced, UV stable, acrylic membrane. ICC ESR-2662, LARR 25431, LARR M-050065. Either membrane may be used, for this type of application. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
4. The substrate surfaces must be structurally sound, clean, and dry, free of contamination, and prepared according to AVM's Installation Instructions and industry standards. When installing AVM's membranes on slabs on grade and/or hard to bond surfaces, use AVM's epoxy primer.
5. AVM recommends all parties to consult approved resources and design professionals to ensure a complete and proper assembly.
6. Please refer to the TCNA® Handbook for Ceramic Tile Installation and AVM's current data sheets and documentation for complete instructions and application limitations.
7. When installation is over slabs on grade, (on-ground concrete), installation of a waterproofing membrane is optional. If a membrane will be installed, verify moisture! If moisture exceeds 3 Lbs using a calcium chloride test, or exceeds other acceptable standards, consult with AVM prior to proceeding with installation. If a membrane will not be installed, the "Protective Coating" is not needed either.
8. Mortar Beds: The following mortar beds are recommended: AVM Crete 6400 (best) or AVM Crete 6460. Mortar beds must achieve a minimum of 2,000 PSI and be installed per TCNA's standards. When installed over and bonded directly to concrete substrates (excluding light weight concrete substrates) the mortar bed may be un-reinforced. (If installing over 1.25" thick, reinforce with 2"x2" wire). When installed over wood floor substrates and/or as a non-bonded mortar bed, the mortar bed needs to be fully reinforced with Metal Lath 2.5 (aka Diamond Lath, min 2.5 Lbs/Sq.Yard) and be a min of 1.25 inches thick to create rigidity. Mortar beds (concrete float) installed over and bonded to concrete/block walls do not need to be reinforced. Mortar beds (concrete float) installed over Wood and other substrates should be reinforced with metal lath 2.5. (These recommendations are based on using AVM Crete 6400 or 6460, high-performance polymer modified mortar beds)
9. Reinforcement: AVM System 750: AVM recommends to reinforce the membrane in the following areas by embedding AVM Mat 800 into the membrane: At all corners (such as wall-to-wall and wall-to-floor corners), at drains, all penetrations and any transition in the surface plain. Reinforcement: AVM System 700: AVM System 700 is fully reinforced. Extra reinforcement (double fabric) at corners and other critical areas is optional. Refer to each system's installation instructions for further details.
10. Roof Membranes: Roof membranes (also referred to as primary membranes) are often used in exterior roof or deck tile applications when installed over living or usable spaces: These assemblies have two membranes in them. A lower membrane (roof or primary membrane) and an upper membrane (secondary membrane) just below the tile, stone, etc. (the mortar bed separates the two) For the lower membrane (roof or primary membrane) AVM recommends to use AVM System 500 applied at a min 120 mils dry and fully reinforced with AVM Mat 800. Or, you may use other approved roofing membranes. (Consult with roofing membrane manufacturer) If a Drainage Mat is specified,, consult with AVM for Drainage Mat recommendations.
11. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. Only AVM System 750 is recommended for this type of application. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
12. If drainage is a consideration: Verify that proper drains are used. (Tile drains also known as Double Drains/Triple Drains, etc). Also verify that all drains, drainage elevations, sloping and tie-ins are correct.
13. When the terms "Backer-Board" or "Cement Backer Board" or "Fiber Cement Backer Board" or "Coated Glass mat Water-Resistant Gypsum Backer Board" etc, are used, they are not exclusive to a particular manufacturer. Equal Backer Units from multiple manufacturers may be used. Consult your with design professional for more information. All joints/seams, etc, must be fully reinforced with AVM Mat 800.
14. Self Leveling underlayment may be used in lieu of the specified underlayment.
15. Anti-Fracture: Anti-Fracture membranes must be fully reinforced with fabric to work properly. If installing AVM System 700, it's already fully reinforced, so no additional reinforcement is required. If installing AVM System 750, it has no reinforcement except at corners and other critical areas. Therefore, fabric must be embedded in the entire membrane. Use AVM Mat 800 for reinforcement. If the sole purpose of the membrane installation is for crack isolation, then refer to the "Crack Isolation (Anti-Fracture) Details" for additional installation information.
16. Shower receptors, curbs, seats, etc, must be properly waterproofed and installed to avoid water damage to adjacent building materials.

DETAIL # :
0700/0750-3002-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Bathtub or Shower Walls with Prefabricated Receptor and Mortar Bed, AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 8.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

Quality Waterproofing Products

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FILE NAME: 0700-0750-3002-WF-Tile-Bath-Shower-Walls-Prefab Receptor-Mortar-Bed-CS-TXR

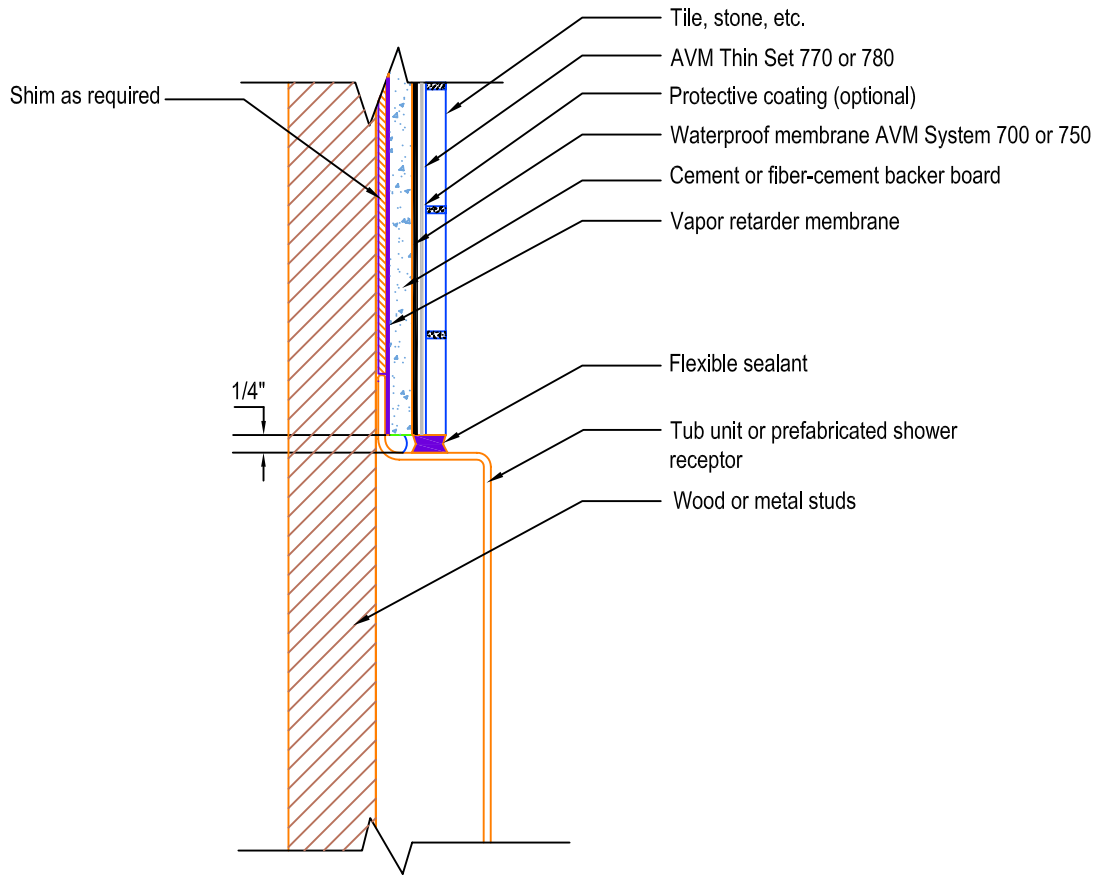
TXR-B411-11-ASR

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Revision Date: 12/16/2011

DETAIL # :
 0700/0750-3004-WF-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

**Tile Assembly,
 Bathtub or Shower Walls with Prefabricated
 Receptor and Cement Backer Board,
 AVM Systems 700/750**



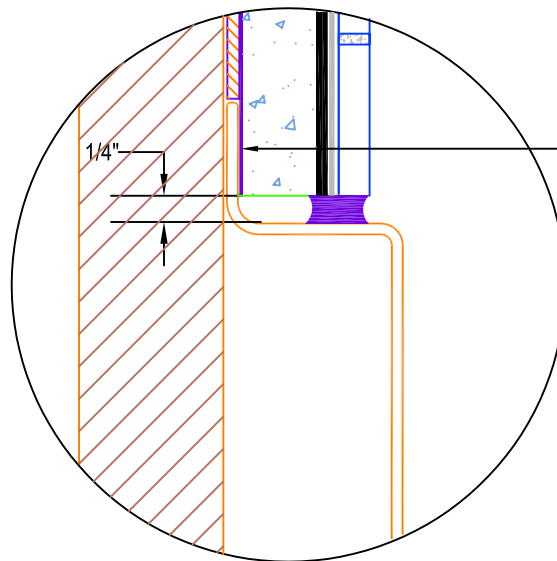
- Notes:**
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 13,16.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :	0700/0750-3006-WF-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

Tile Assembly,
 Bathtub or Shower Walls,
 Detail #3004 Enlarged,
 AVM Systems 700/750



When used, vapor retarder membrane must overlap tub flange

Notes:

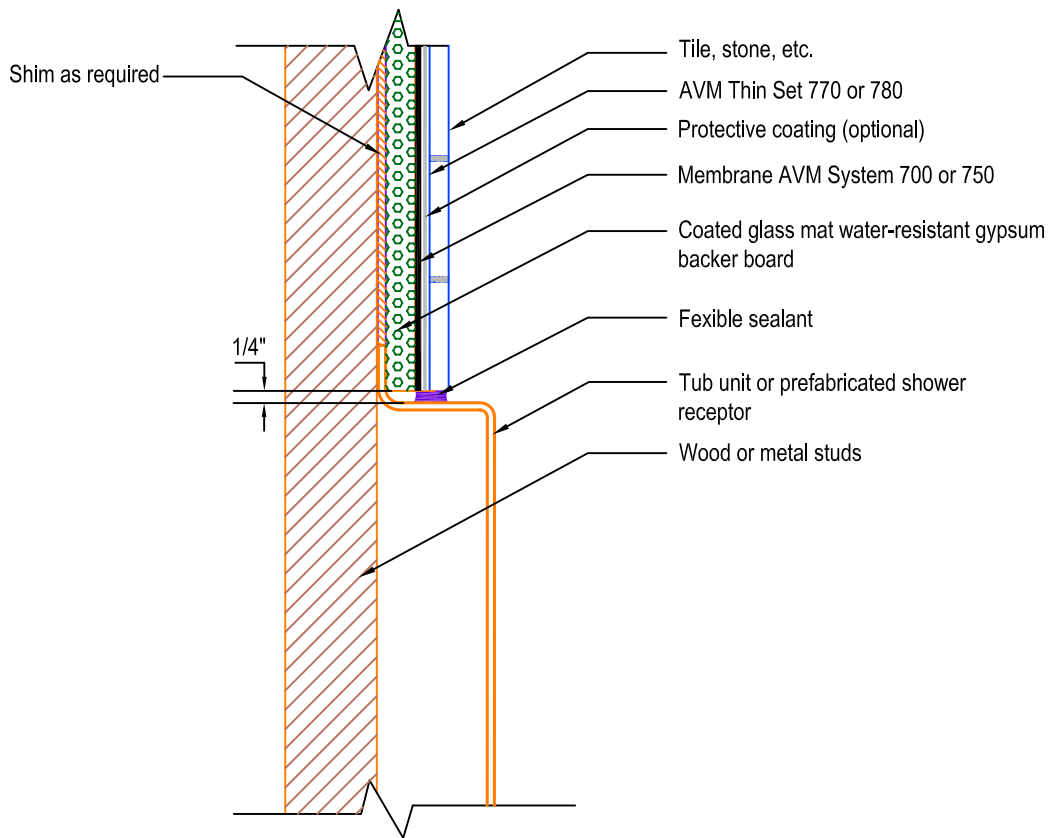
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 13, 16.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
 0700/0750-3008-WF-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

**Tile Assembly, Bathtub or Shower Walls,
 Prefabricated Receptor, Coated Glass Mat
 Water-Resistant Gypsum Backer Board,
 AVM Systems 700/750**



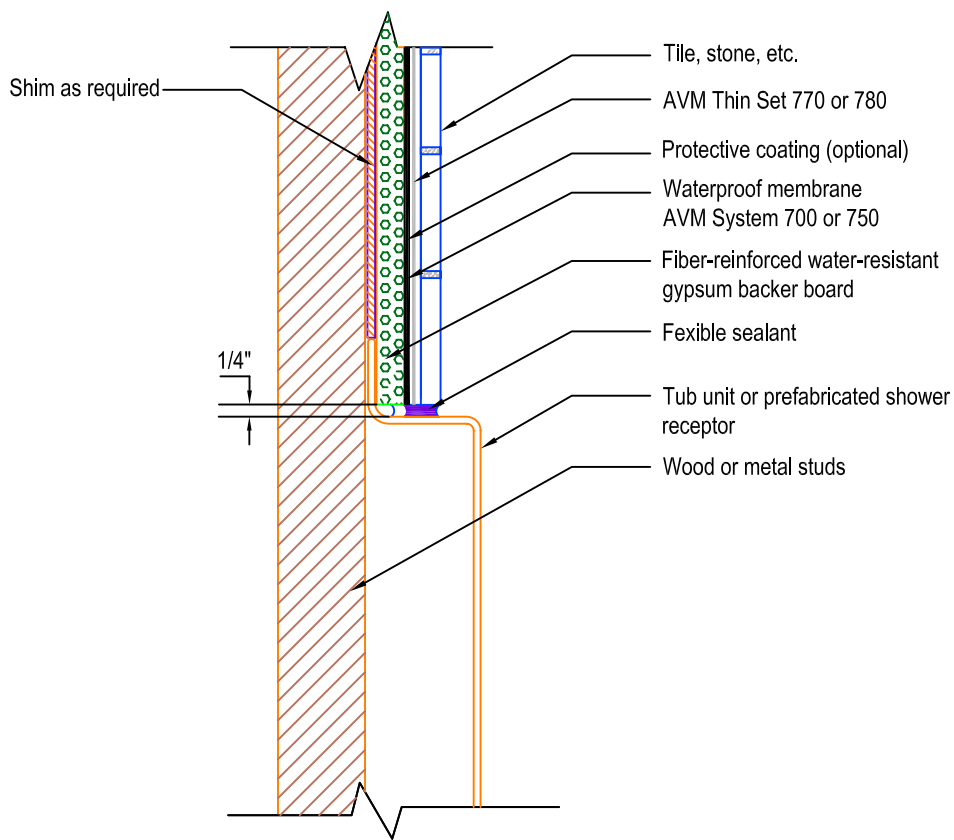
- Notes:**
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 13, 16.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-3010-WF-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly, Bathtub or Shower Walls,
Prefabricated Receptor, Fiber Reinforced
Water-Resistant Gypsum Backer Board,
AVM Systems 700/750



Notes:

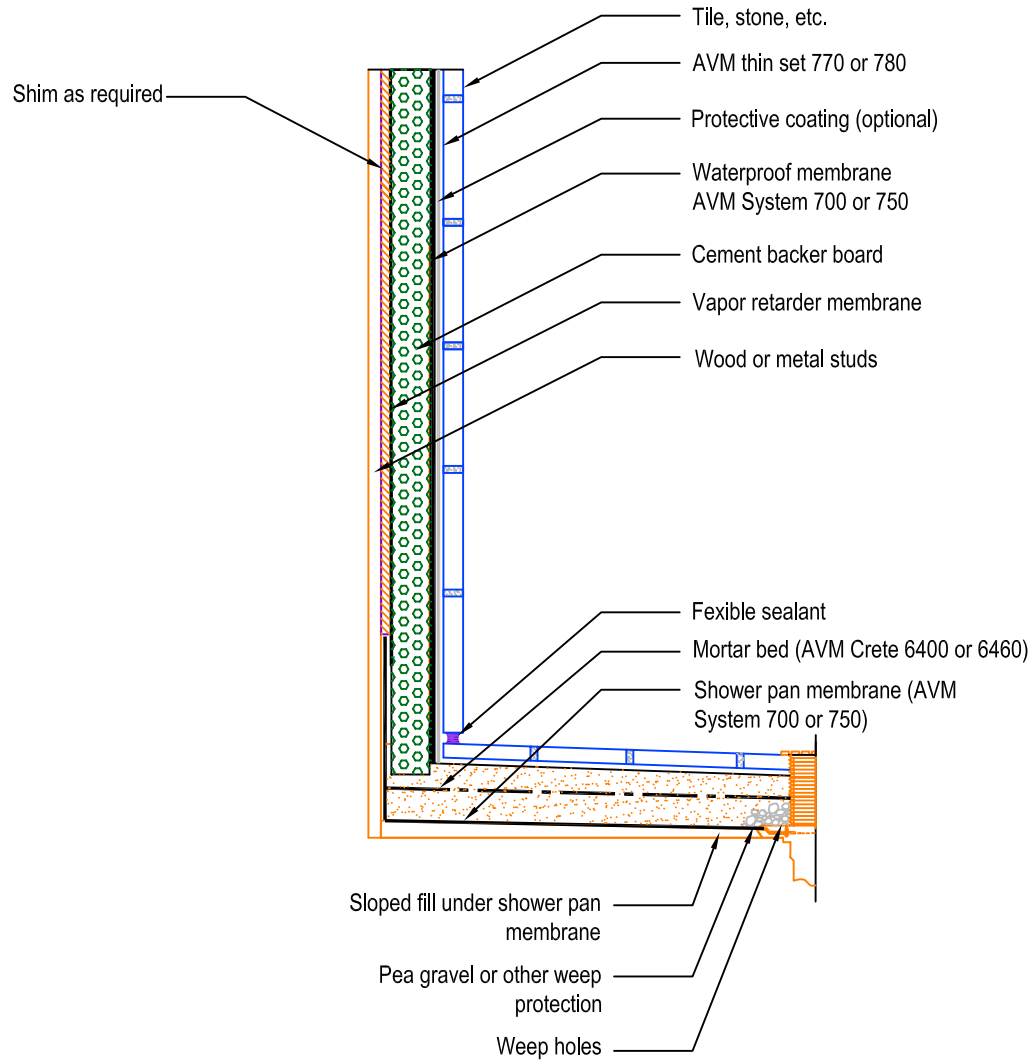
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 13, 16.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
 0700/0750-3102-WF-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

Tile Assembly, Shower Receptors,
 Wood or Metal Studs, Cement Backer
 Board Walls, Mortar Bed Floor,
 AVM Systems 700/750



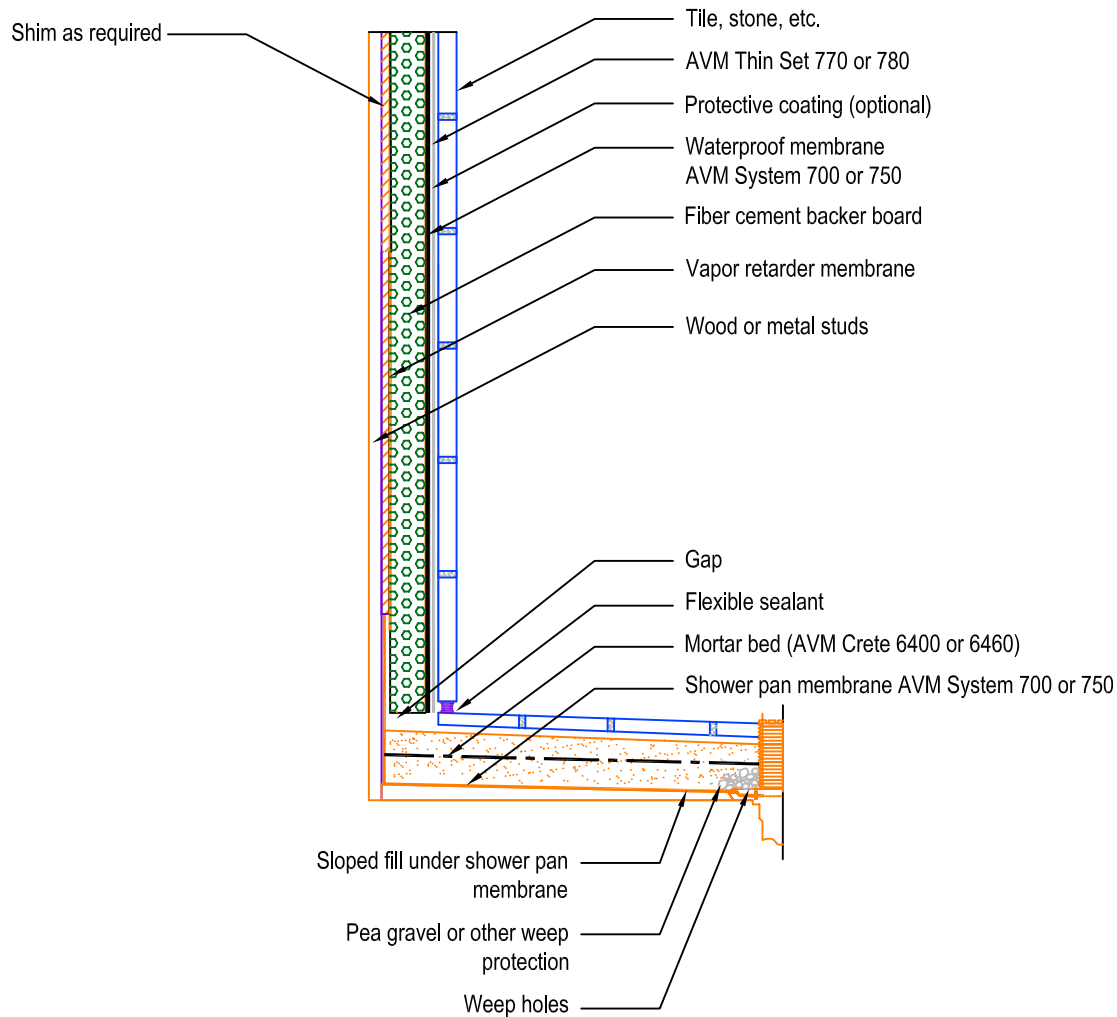
- Notes:**
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 8, 13, 16.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
0700/0750-3104-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Shower Receptors, Wood or Metal Studs, Fiber Cement Backer Board Walls, Mortar Bed Floor, AVM Systems 700/750



Notes:

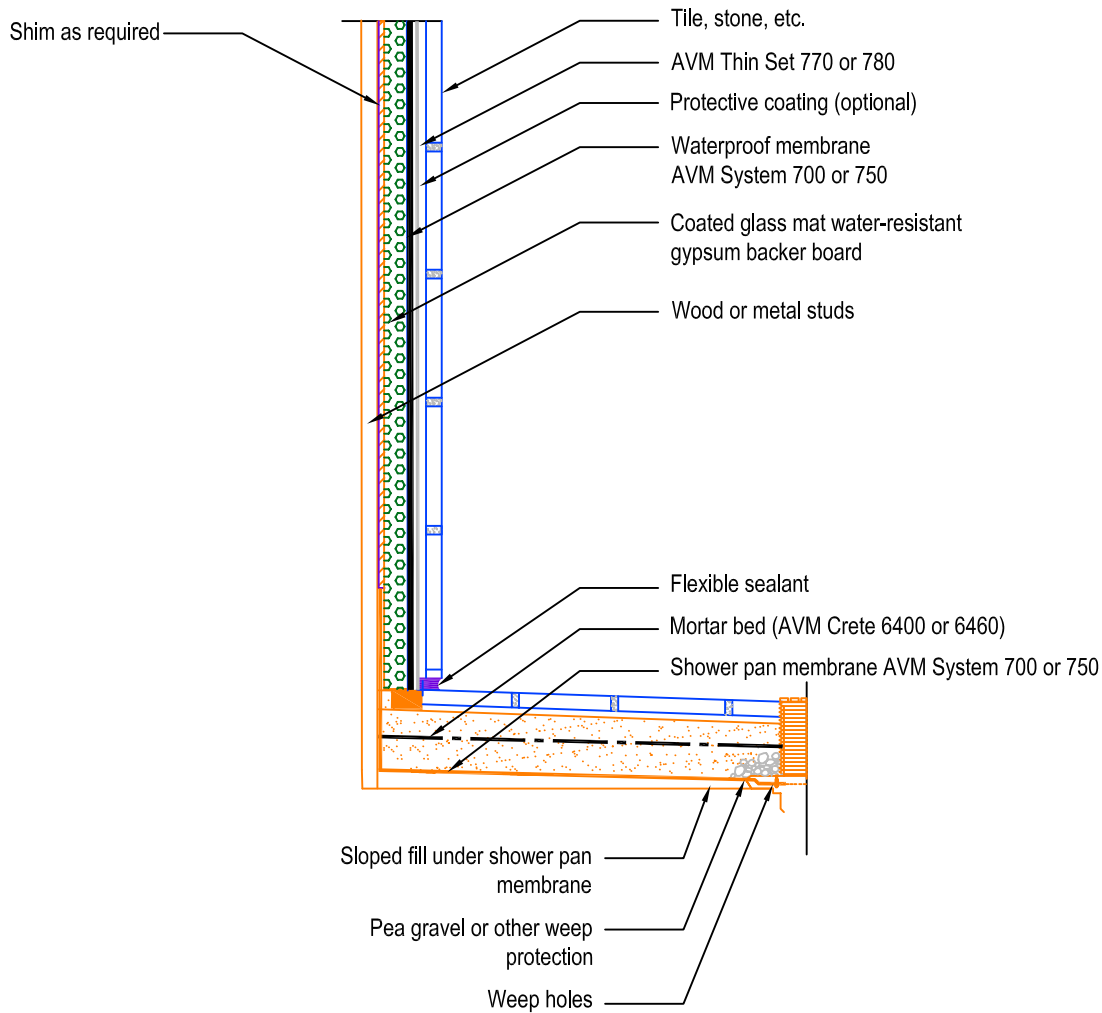
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 8, 13, 16.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
 0700/0750-3106-WF-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

**Tile Assembly, Shower Receptors,
 Wood or Metal Studs, Coated Glass Mat
 Water-Resistant Gypsum Backer Board Walls,
 Mortar Bed Floor,
 AVM Systems 700/750**



- Notes:**
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 8, 13, 16.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

Quality Waterproofing Products

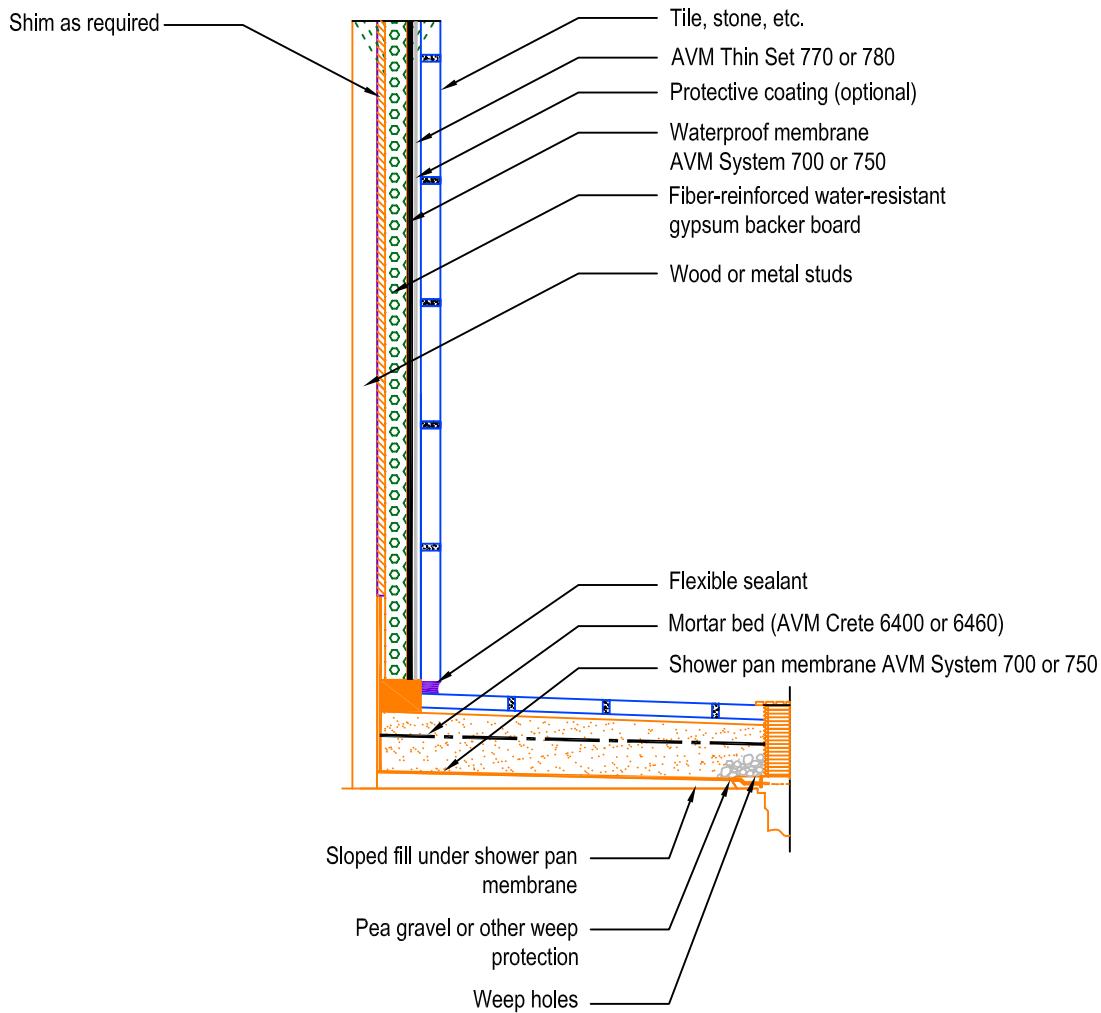
888.414.1041 818.888.0050
 www.avmindustries.com

DETAIL # :
0700/0750-3108-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Shower Receptors,
Wood or Metal Studs, Fiber-Reinforced
Water-Resistant Gypsum Backer Board Walls,
Mortar Bed Floor,
AVM Systems 700/750



Notes:

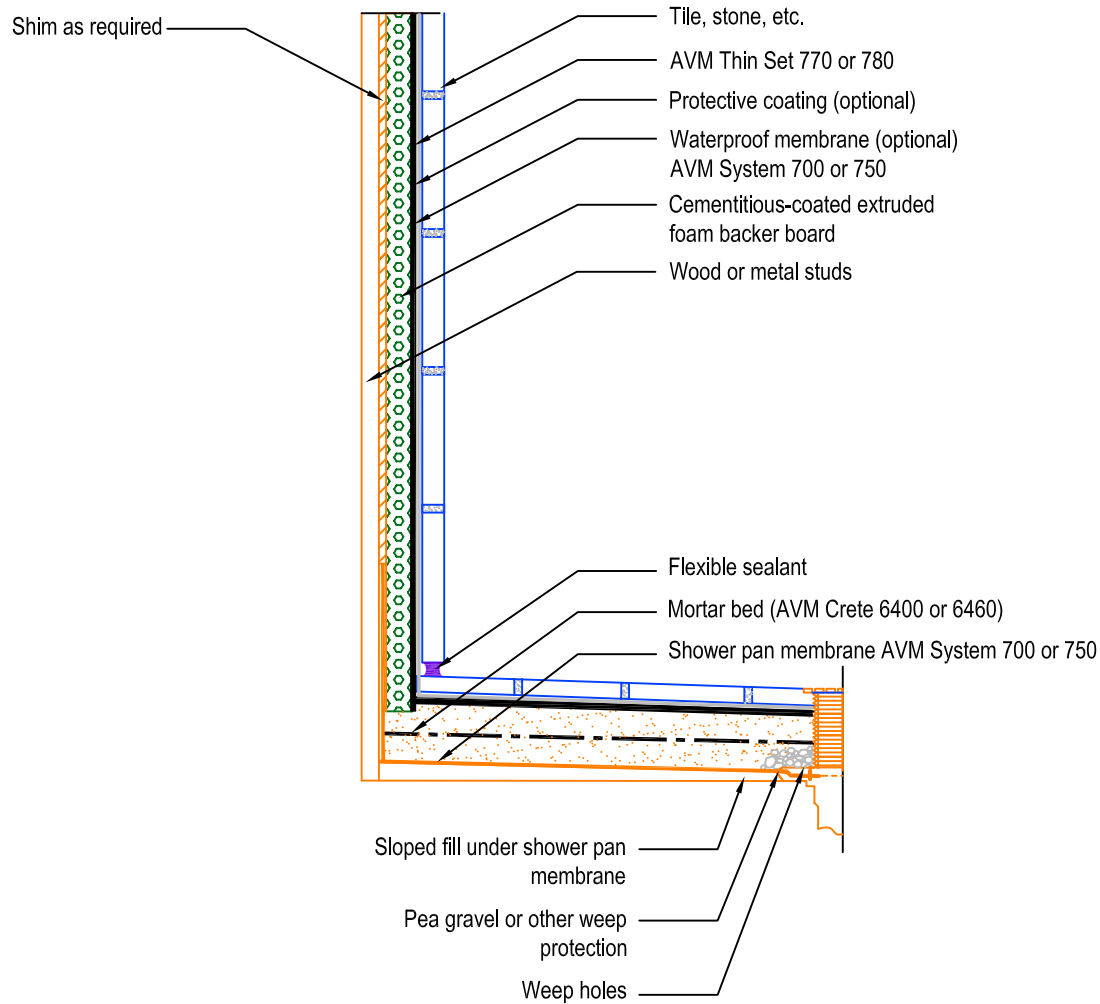
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 8, 13, 16.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
 0700/0750-3110-WF-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

**Tile Assembly, Shower Receptors,
 Wood or Metal Studs, Cementitious-Coated
 Extruded Foam Backer Board Walls,
 Mortar Bed Floor,
 AVM Systems 700/750**



- Notes:**
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 8, 13, 16.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

Quality Waterproofing Products

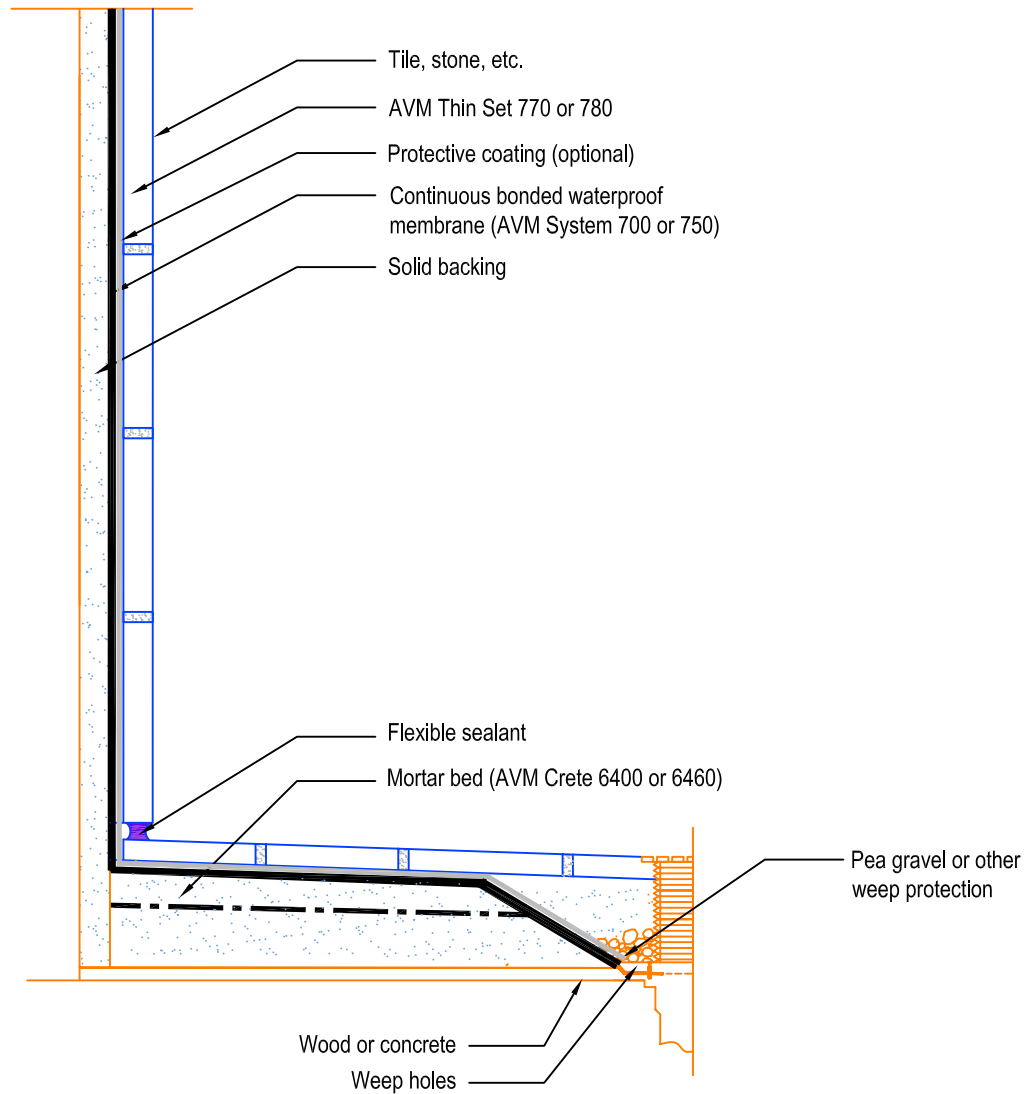
888.414.1041 818.888.0050
 www.avmindustries.com

DETAIL # :
0700/0750-3112-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Shower Receptors,
Solid Backing,
Bonded Waterproof Membrane
AVM Systems 700/750



Notes:

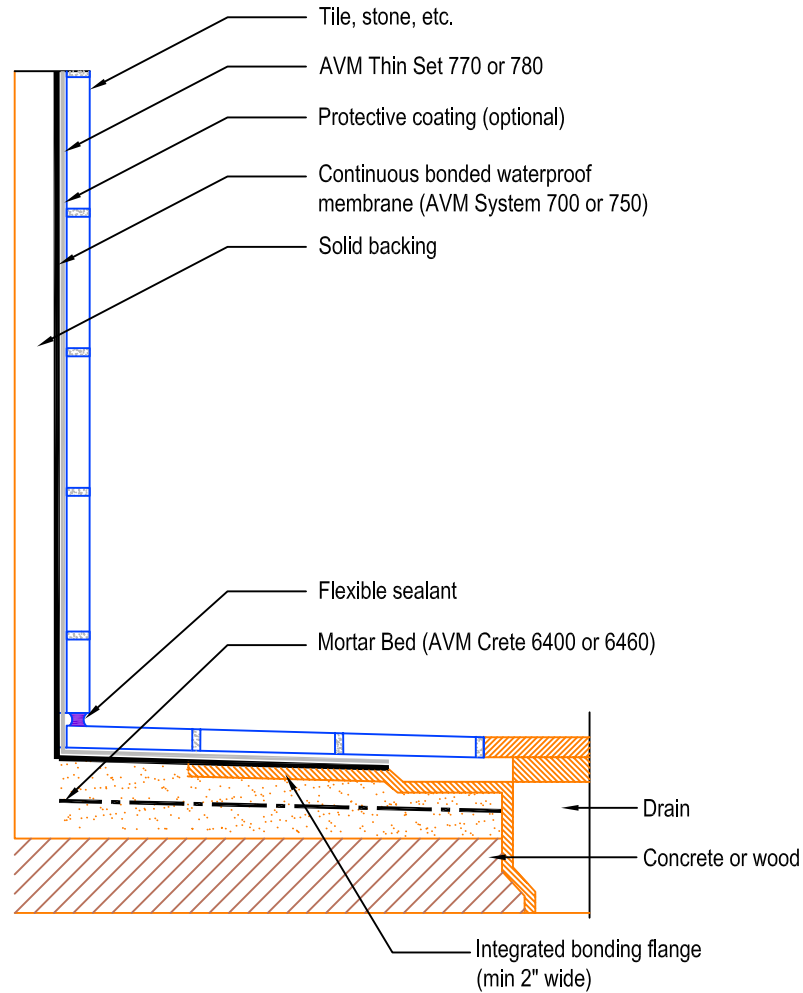
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 8, 13, 16.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-3114-WF-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly, Shower Receptors,
Solid Backing,
Bonded Waterproof Membrane,
Drain Flange,
AVM Systems 700/750



Notes:

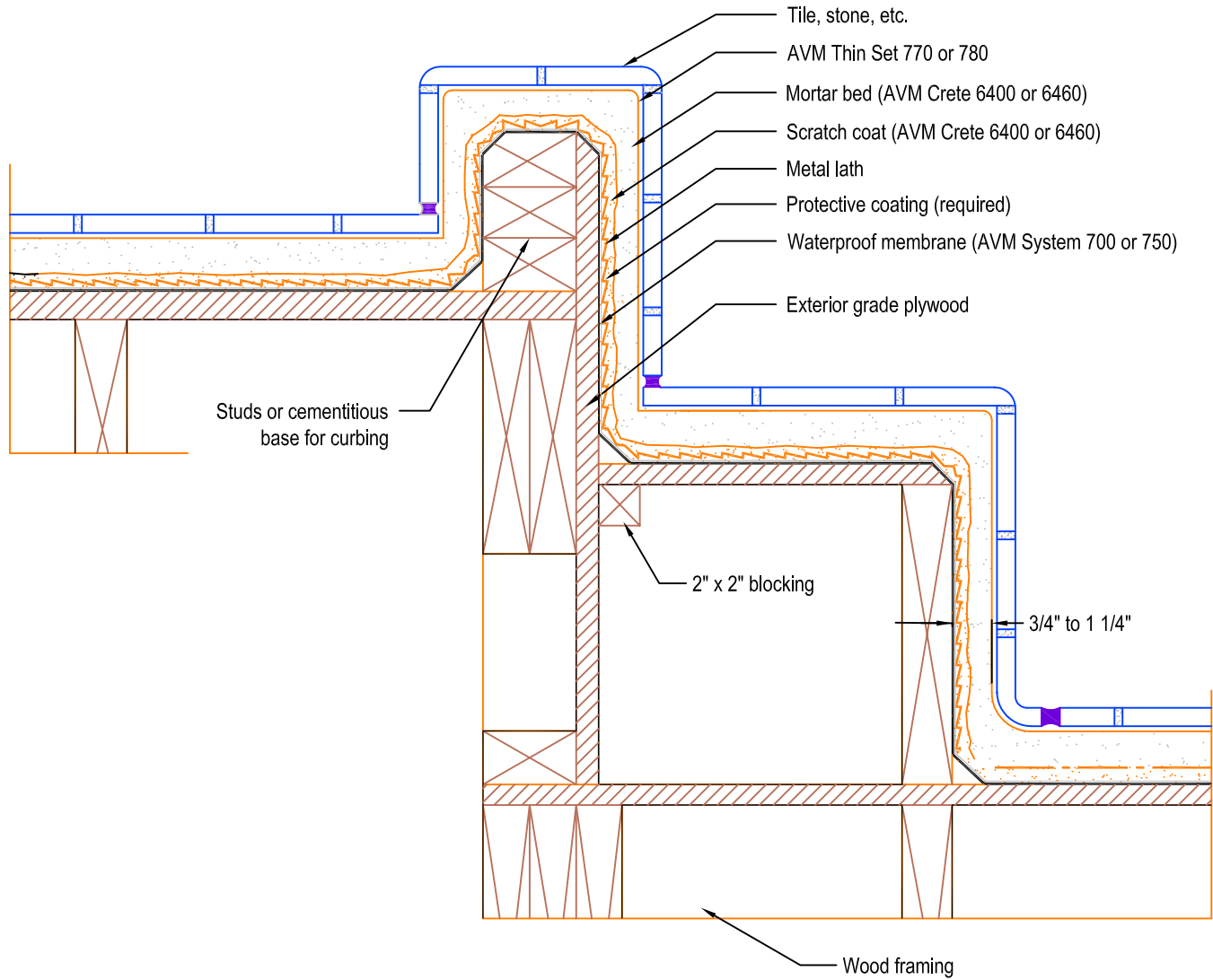
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 8, 13, 16.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
 0700/0750-3502-WF-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

**Tile Assembly,
 Tubs Fountains & Curbs,
 Waterproof Membrane,
 Wood Only Forms
 AVM Systems 700/750**



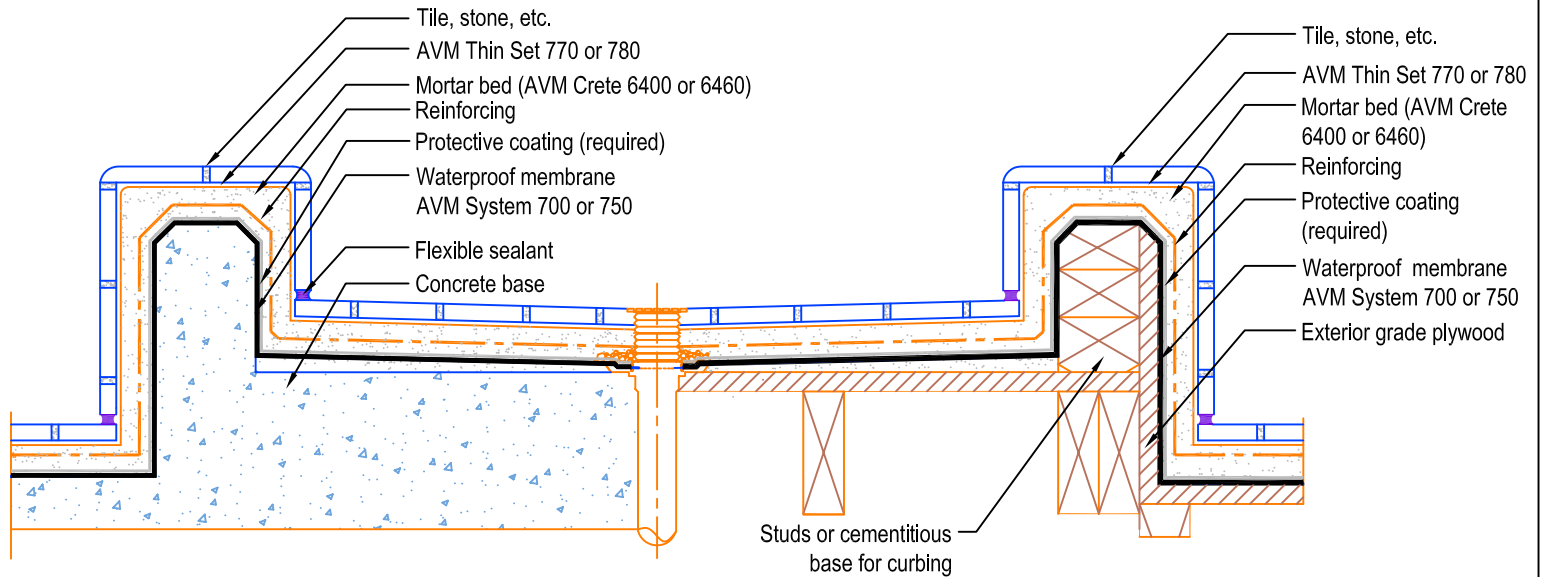
- Notes:**
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 8, 16.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
 0700/0750-3504-WF-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

**Tile Assembly,
 Tubs Fountains & Curbs,
 Waterproof Membrane,
 Concrete or Wood Curbs,
 AVM Systems 700/750**



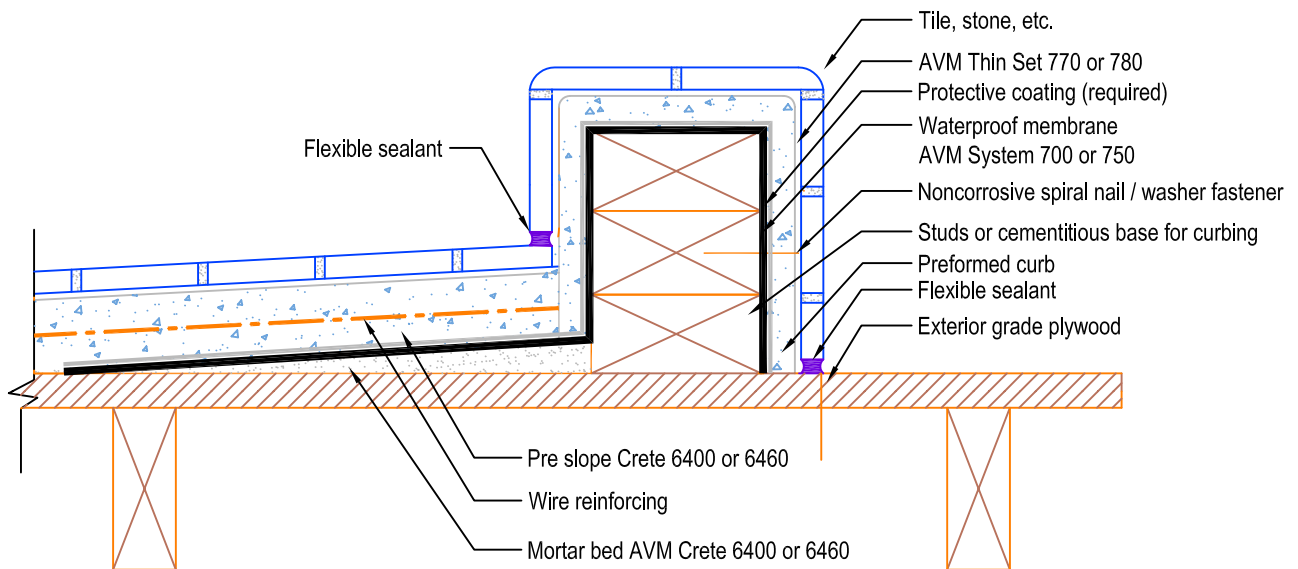
- Notes:**
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 8, 16.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-3532-WF-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

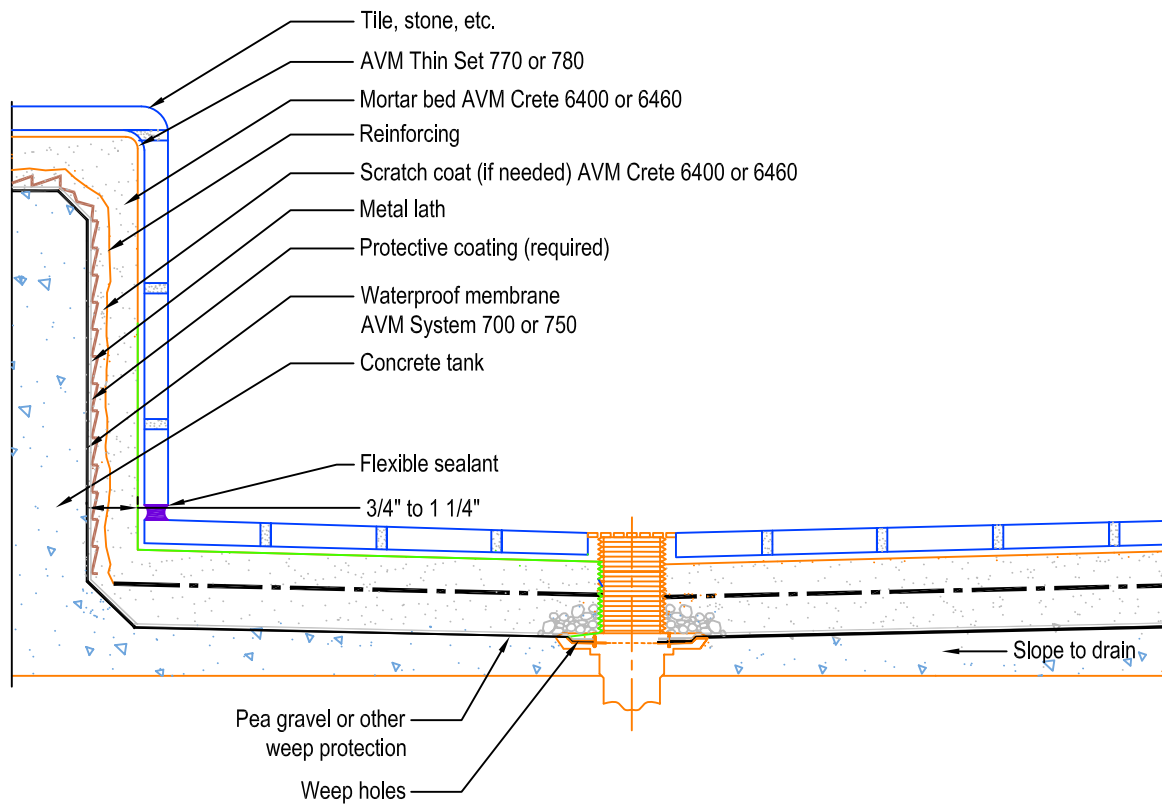
Tile Assembly,
Tubs Fountains & Curbs,
Waterproof Membrane,
Preformed Curbs,
AVM Systems 700/750



- Notes:**
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 8, 16.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
 0700/0750-3902-C-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

Tile Assembly,
 Tubs Fountains & Pools,
 Concrete Tank,
 Mortar Bed over Membrane
AVM Systems 700/750



Notes:

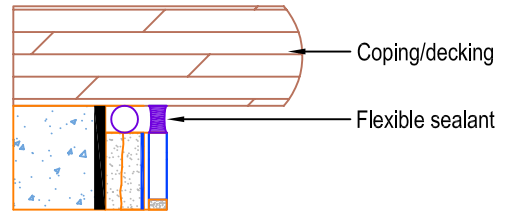
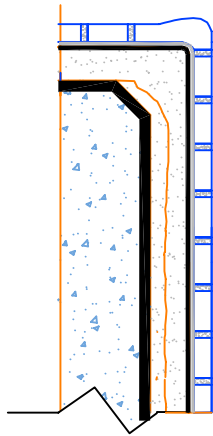
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 8, 16.
2. Use ANSI A118.4 Thin-Set. AVM recommends using AVM Thin-Set 760 with AVM Additive 7400.

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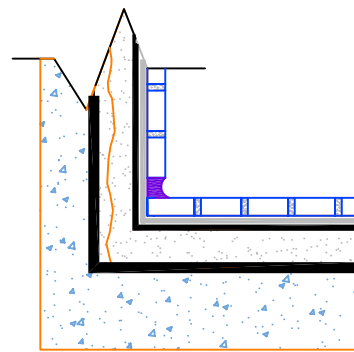
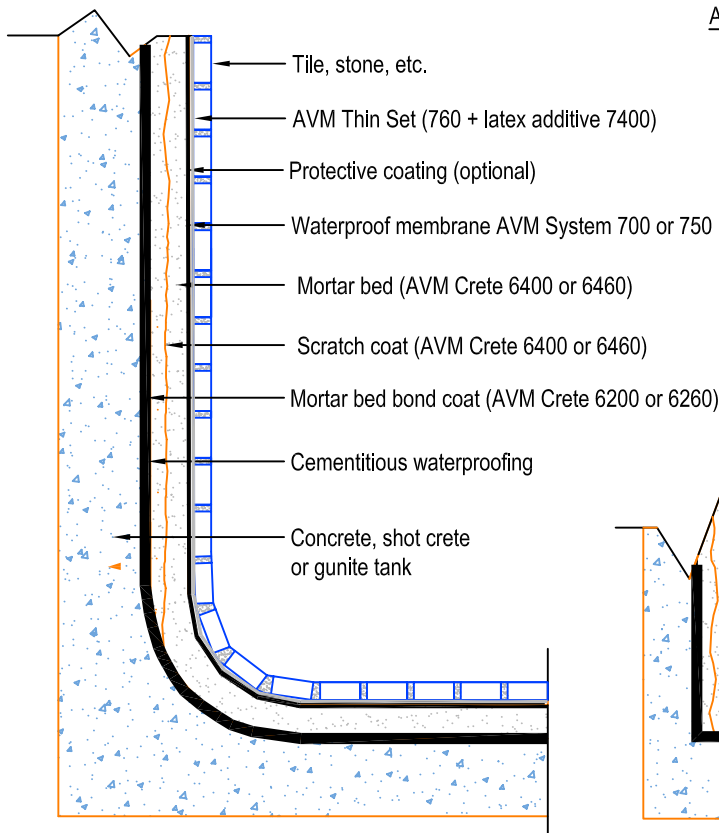
Quality Waterproofing Products

DETAIL # :
 0700/0750-3922-C-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

**Tile Assembly,
 In Pool or Pond, Concrete Tank,
 Bonded Mortar Bed**
AVM Systems 700/750



Alternate deck profile



Alternate bottom profile

Notes:

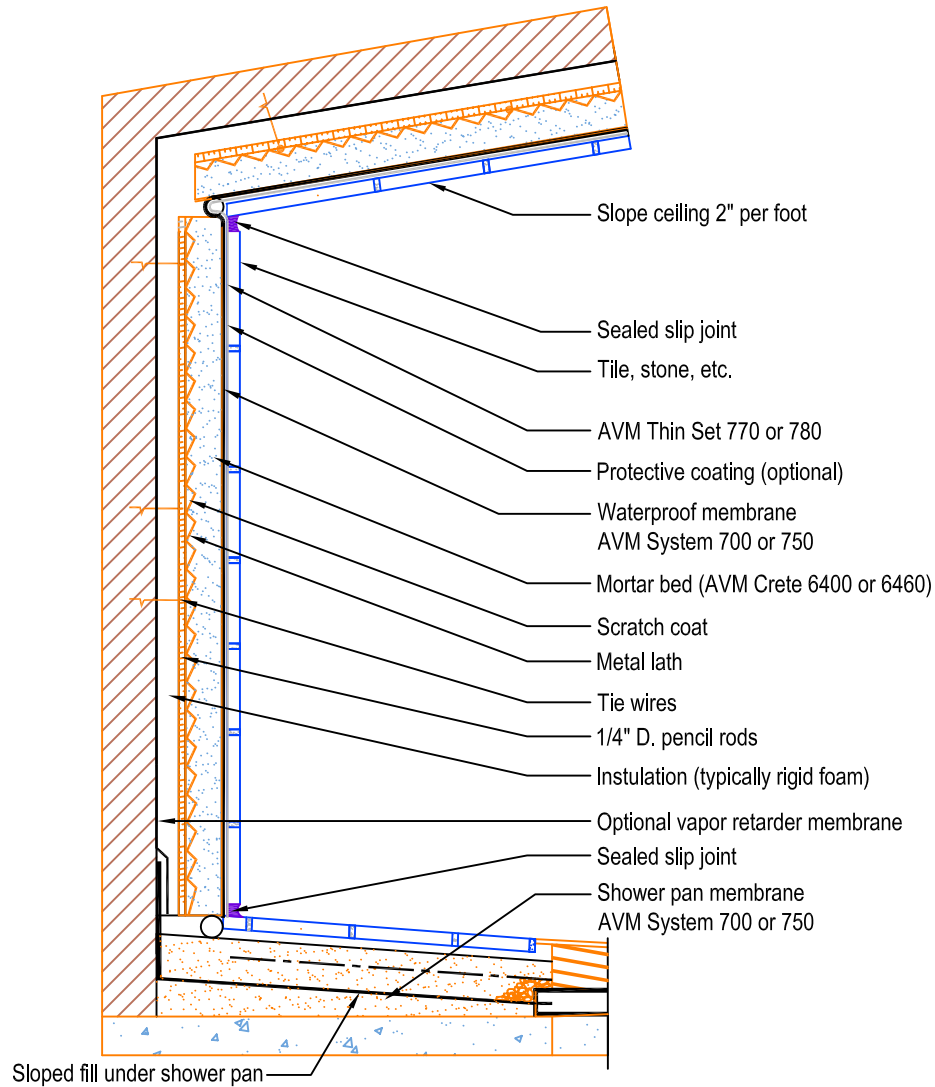
1. See AVM tile detail notes sheet for notes 4, 5, 6, 7, 8, 9, 11, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
 0700/0750-4002-C-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

Tile Assembly,
 Steam Showers/Rooms,
 Concrete or Masonry,
 Mortar Bed Walls,
 Mortar Bed Floors,
 AVM Systems 700/750



Notes:

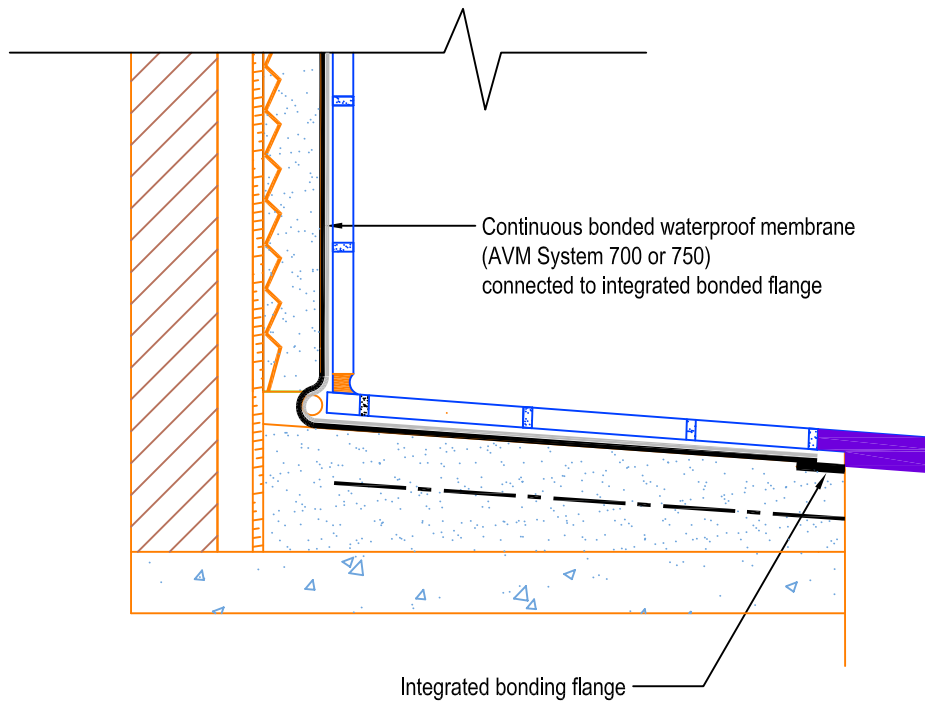
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 8, 12, 13, 16.
2. Use ANSI A118.4 Thin-Set. AVM recommends using AVM Thin-Set 760 + AVM Additive 7400.

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DETAIL # :
0700/0750-4004-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Steam Showers/Rooms,
Wood or Metal Studs,
Detail #4002 Enlarged
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 8, 12, 13.
2. Use ANSI A118.4 Thin-Set. AVM recommends using AVM Thin-Set 760 + AVM Additive 7400.

Quality Waterproofing Products

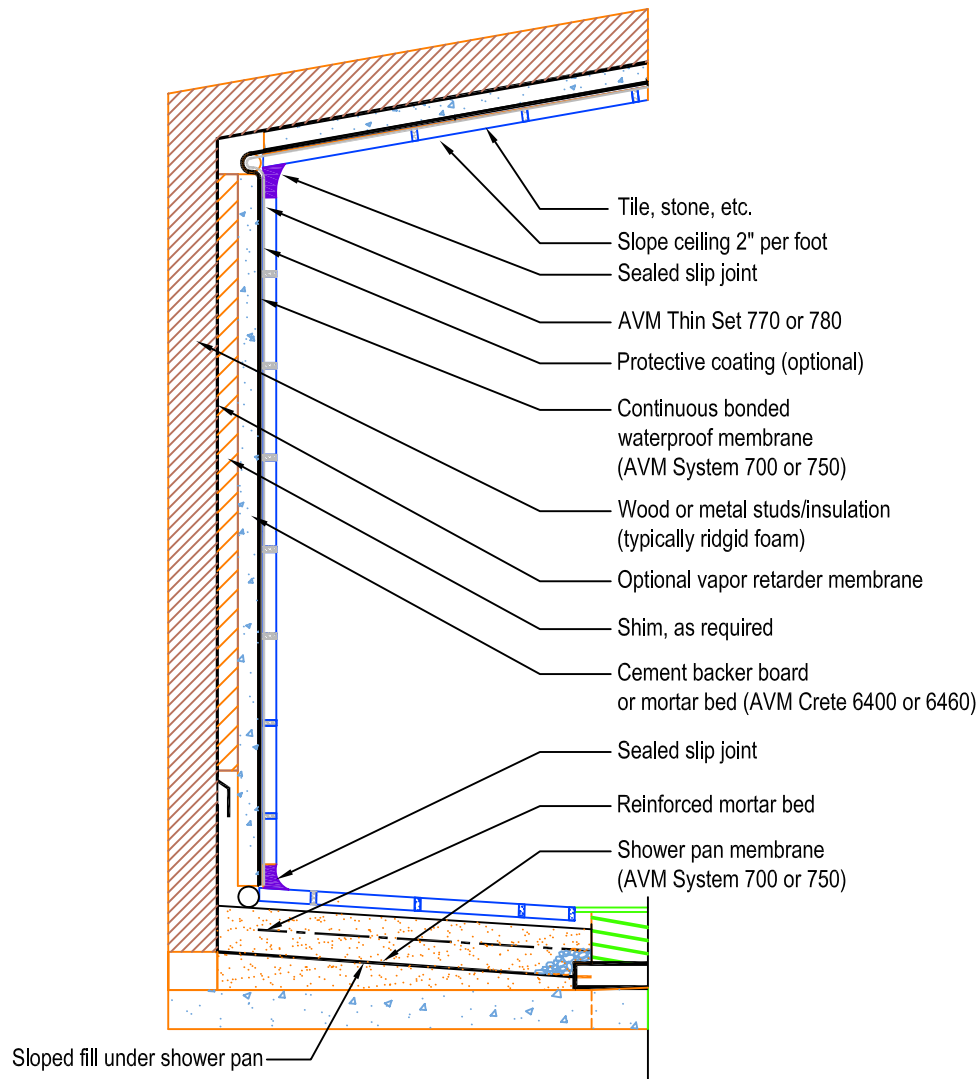
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DETAIL # :
0700/0750-4202-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly,
Steam Showers/Rooms,
Wood or Metal Studs,
Mortar Bed or Cement Backer Board Walls,
Mortar Bed Floors,
AVM Systems 700/750



Notes:

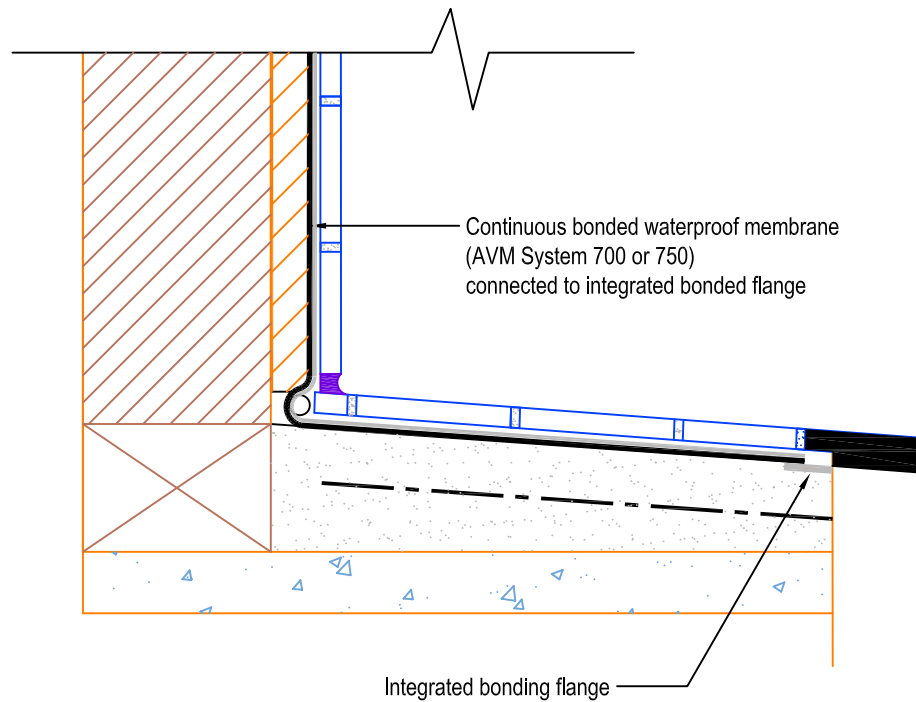
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 8, 12, 13, 16.
2. Use ANSI A118.4 Thin-Set. AVM recommends using AVM Thin-Set 760 + AVM Additive 7400.

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DETAIL # :
0700/0750-4204-WF-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Steam Showers/Rooms,
Wood or Metal Studs,
Detail #4202 Enlarged,
AVM Systems 700/750



Notes:

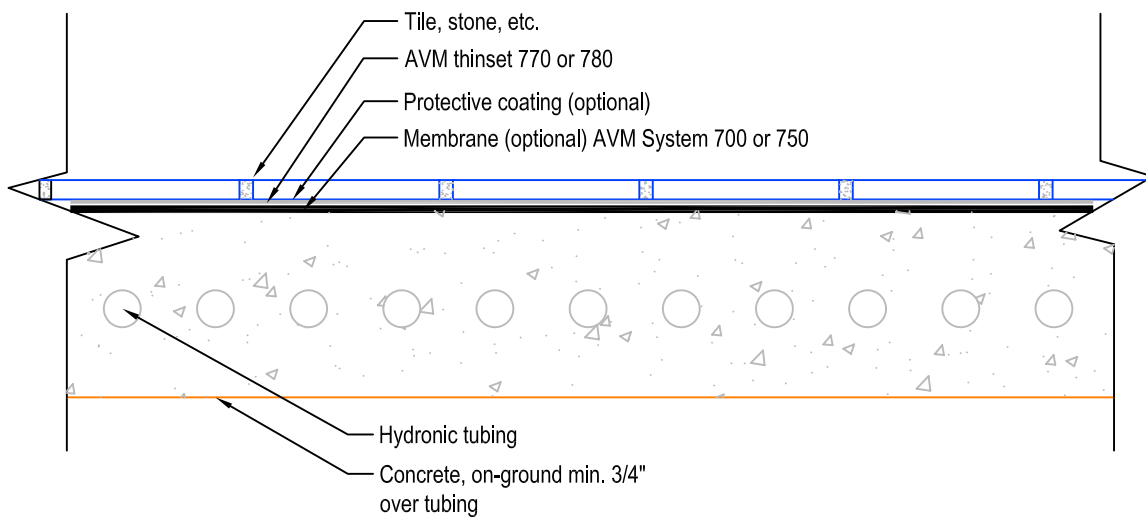
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 8, 12, 13.
2. Use ANSI A118.4 Thin-Set. AVM recommends using AVM Thin-Set 760 + AVM Additive 7400.

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DETAIL # :
0700/0750-4502-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly, Radiant Heat,
Interior Floors,
Over On-Ground Concrete
Encapsulating Hydronic Tubing
AVM Systems 700/750



Notes:

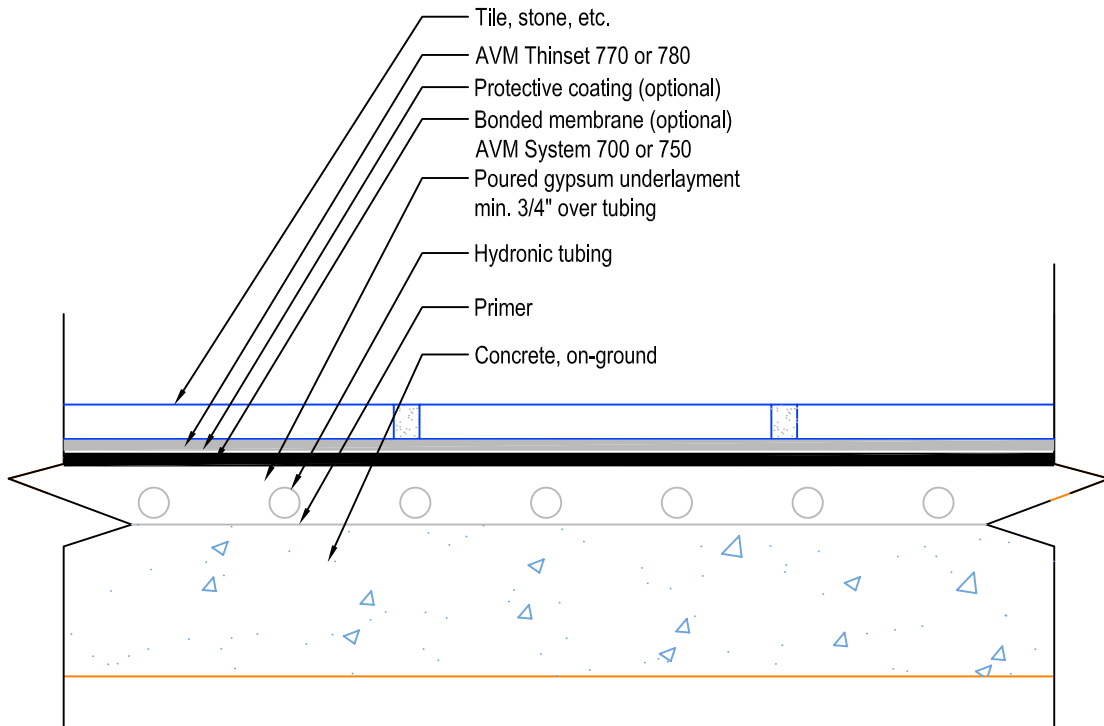
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 7.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-4504-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly, Radiant Heat, Interior Floors,
Over On-Ground Concrete,
Gypsum Underlayment Encapsulating
Hydronic Tubing, Bonded Membrane
AVM Systems 700/750



Notes:

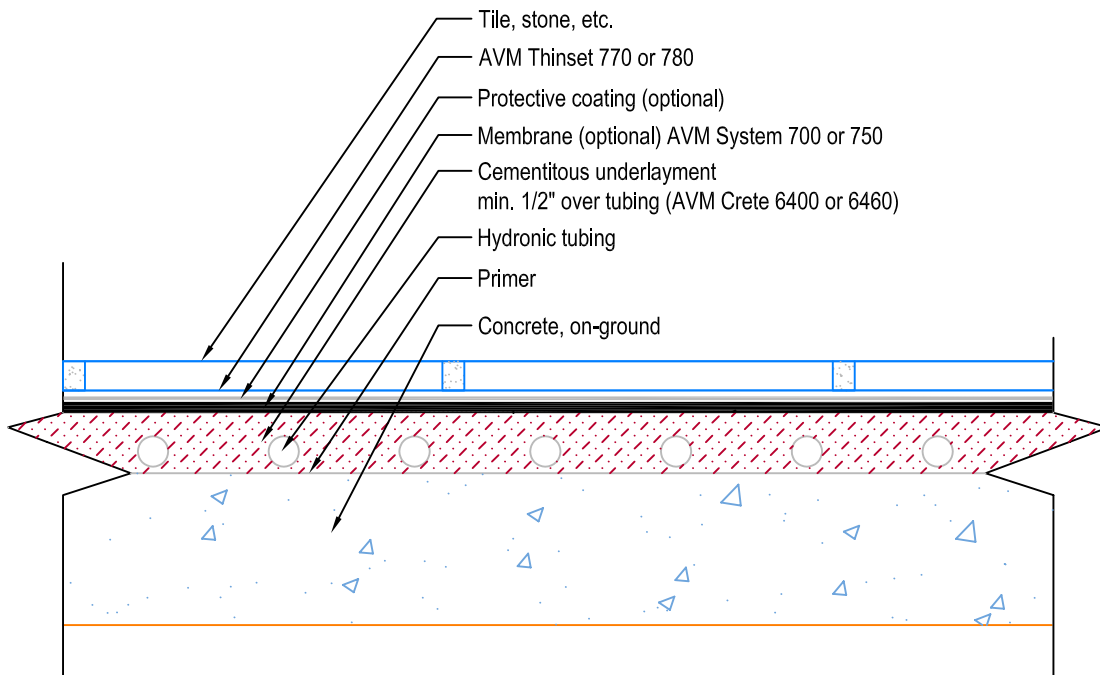
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 7.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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Quality Waterproofing Products

DETAIL # :
0700/0750-4506-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly, Radiant Heat, Interior Floors,
Over On-Ground Concrete, Cementitious
Underlayment Encapsulating Hydronic Tubing
AVM Systems 700/750



Notes:

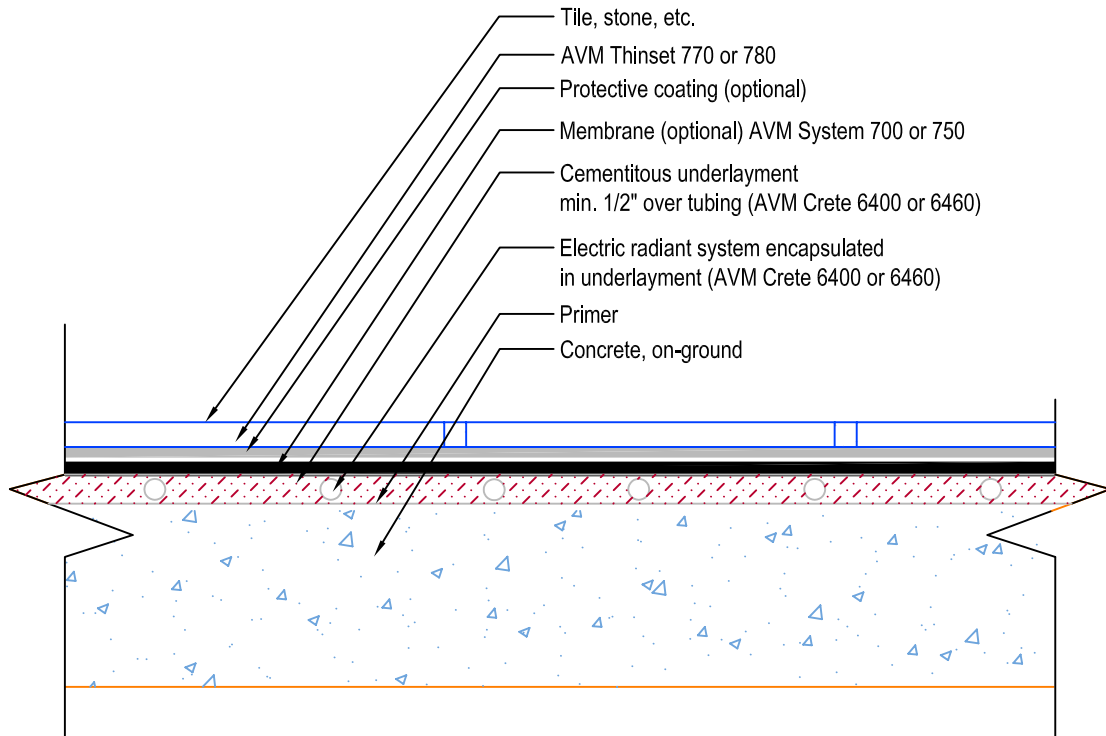
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 7, 14.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-4508-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly, Radiant Heat, Interior Floors,
Over On-Ground Concrete, Electric Radiant
Heat System Encapsulated in
Cementitious Underlayment,
AVM Systems 700/750



Notes:

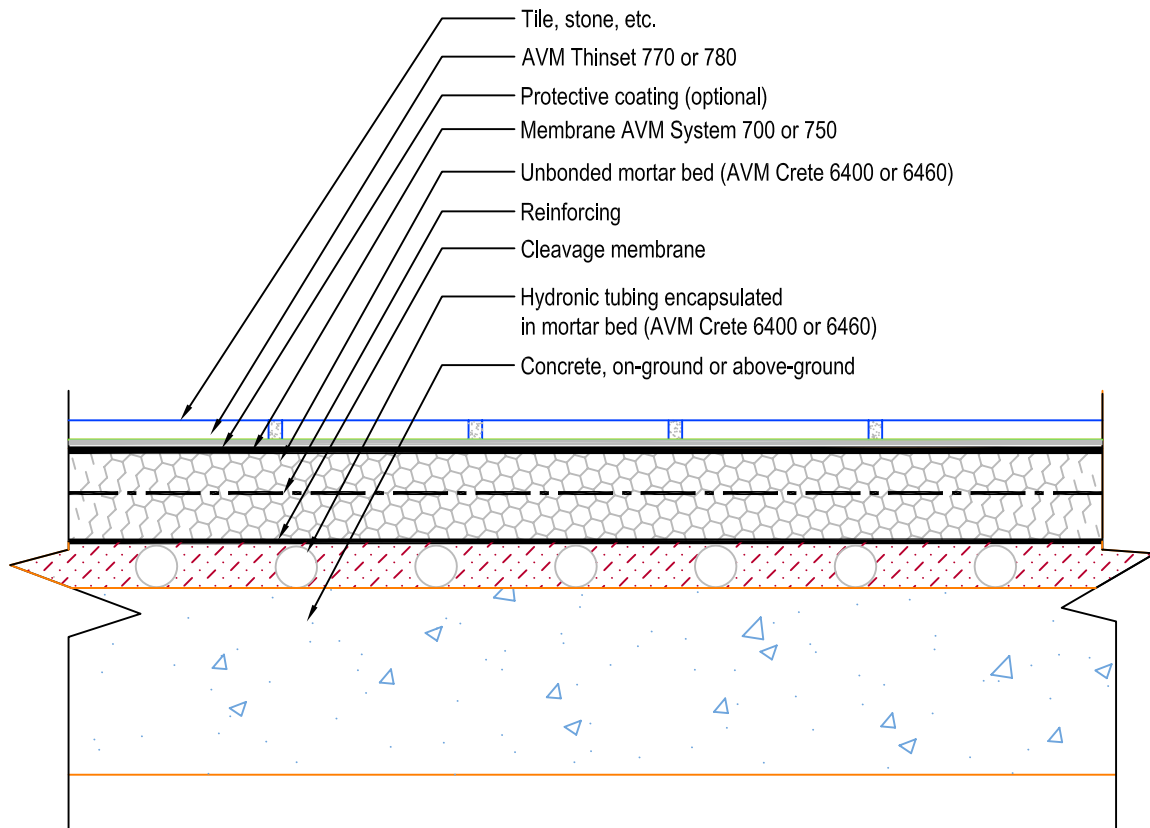
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 7, 14.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-4510-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly, Radiant Heat, Interior Floors, Over On-Ground or Above-Ground Concrete, Unbonded Mortar Bed Encapsulating Hydronic Tubing AVM Systems 700/750



Notes:

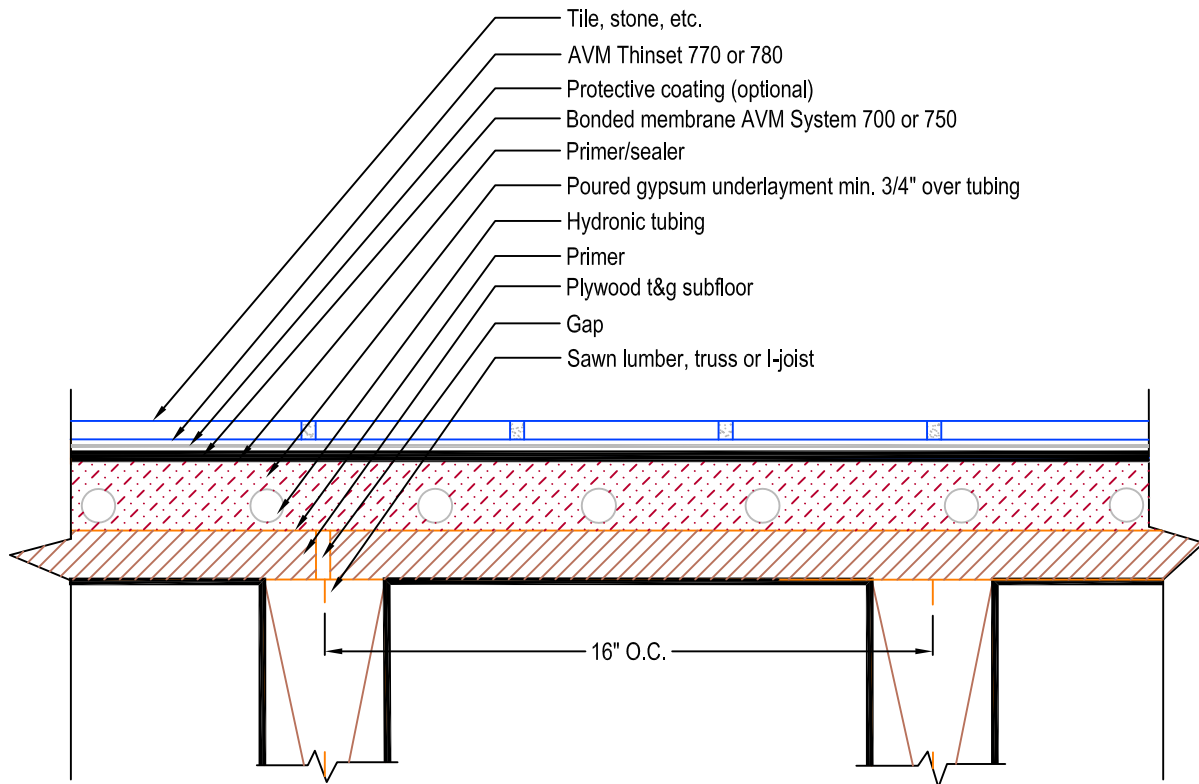
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 7, 8.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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Quality Waterproofing Products

DETAIL # :
 0700/0750-4702-WF-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

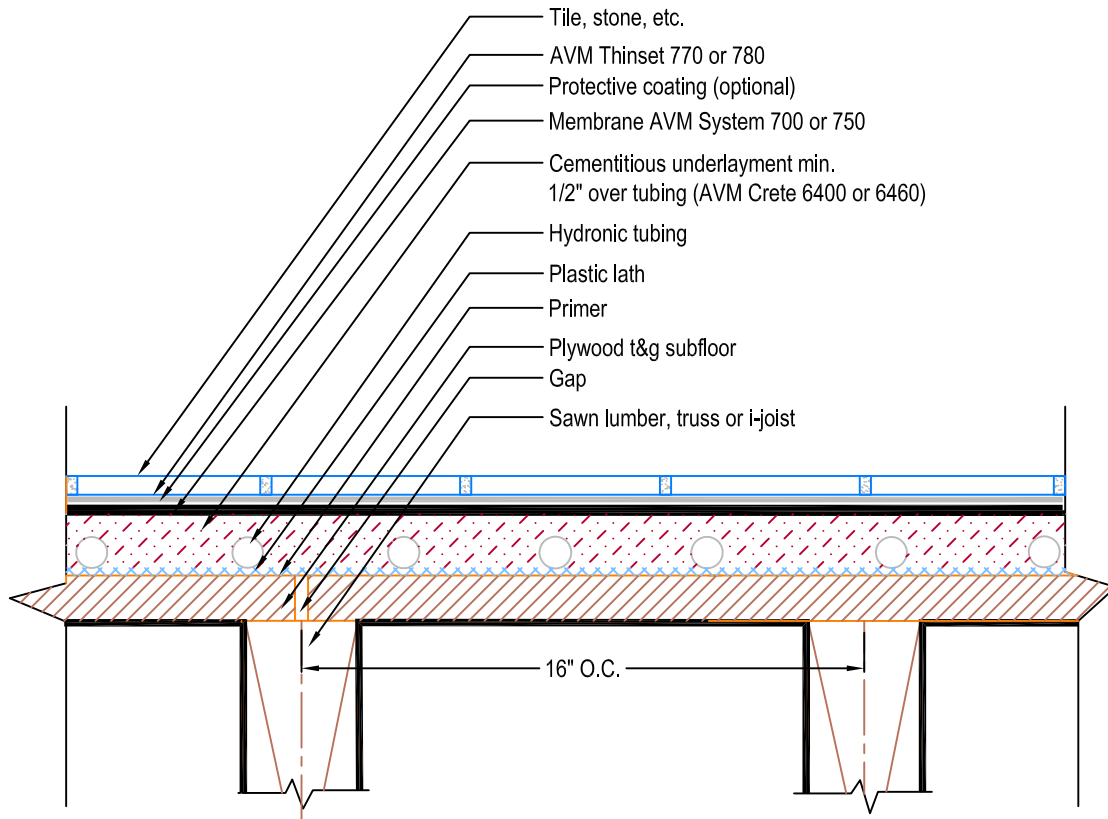
**Tile Assembly, Radiant Heat, Interior Floors,
 Over Wood Frame, Joists 16" o.c./Plywood
 Subfloor, Gypsum Underlayment
 Encapsulating Hydronic Tubing, Bonded Membrane,
 AVM Systems 700/750**



- Notes:**
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
 0700/0750-4704-WF-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

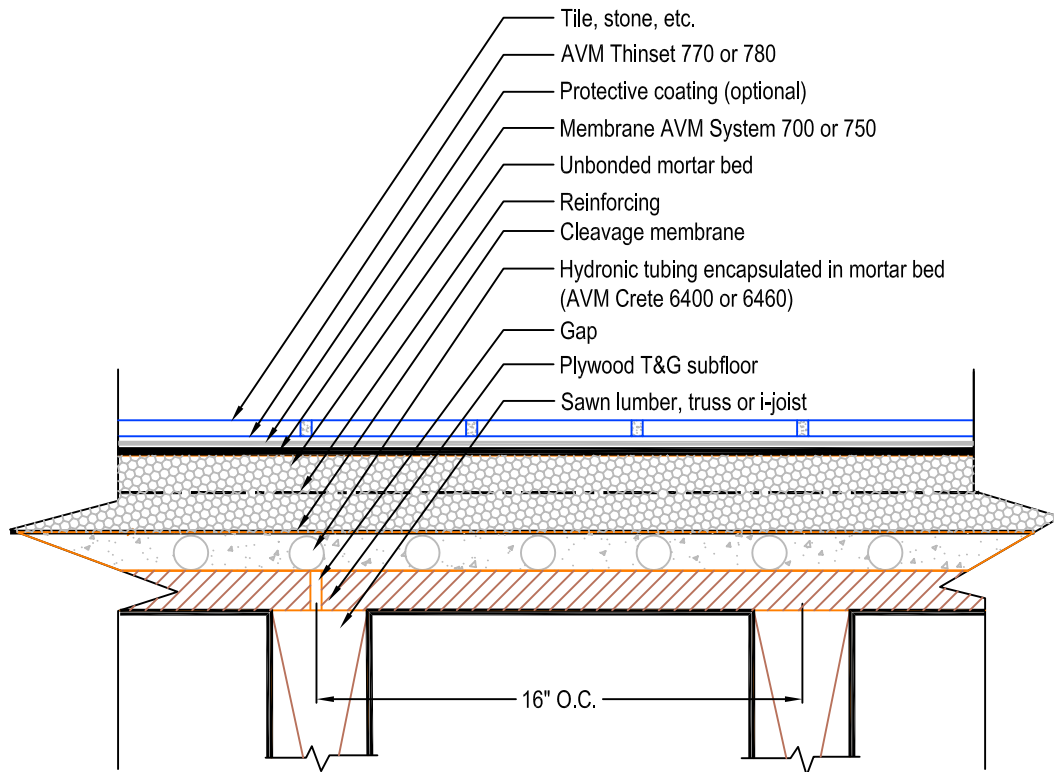
**Tile Assembly, Radiant Heat, Interior Floors,
 Over Wood Frame, Joists 16" o.c./Plywood
 Subfloor, Cementitious Underlayment
 Encapsulating Hydronic Tubing**
AVM Systems 700/750



- Notes:**
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 14.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
0700/0750-4706-WF-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly, Radiant Heat, Interior Floors,
Over Wood Frame, Joists 16" o.c./Plywood
Subfloor, Unbonded Mortar Bed
Encapsulating Hydronic Tubing
AVM Systems 700/750



Notes:

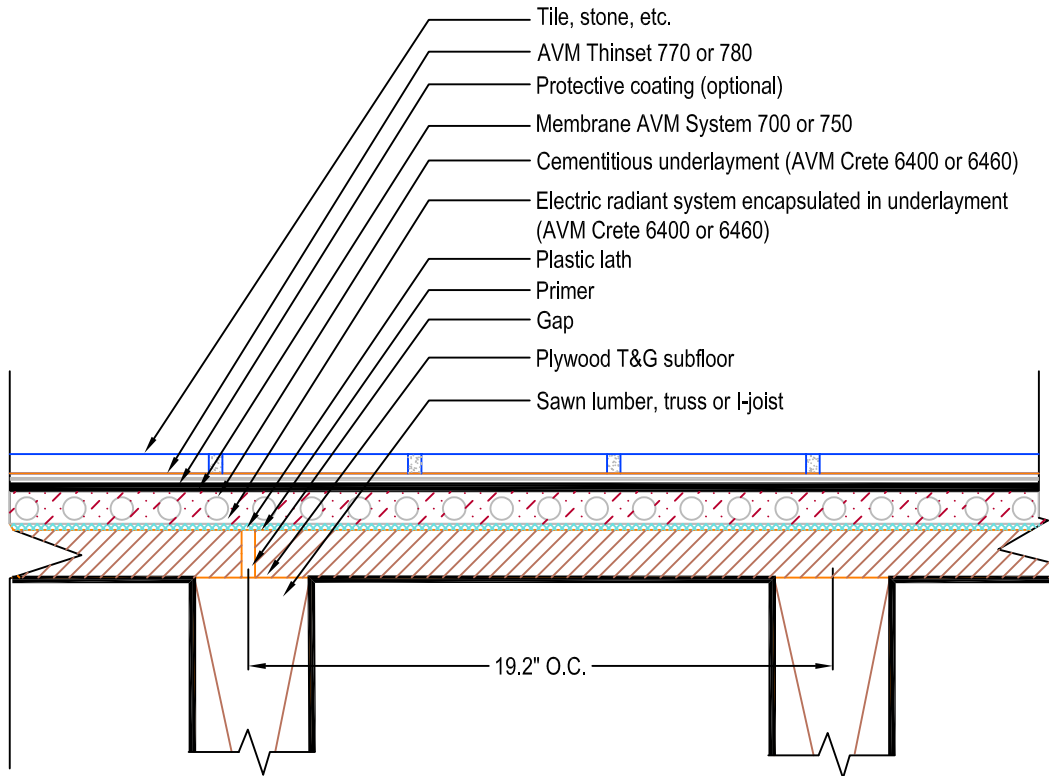
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 14.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
 0700/0750-4732-WF-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

**Tile Assembly, Radiant Heat, Interior Floors,
 Over Wood Frame, Joists 19.2" o.c./Plywood
 Subfloor, Electric Radiant Heat System
 Encapsulated in Cementitious Underlayment**
AVM Systems 700/750



- Notes:**
1. See AVM tile detail notes sheet for notes 1, 4, 5, 6, 14.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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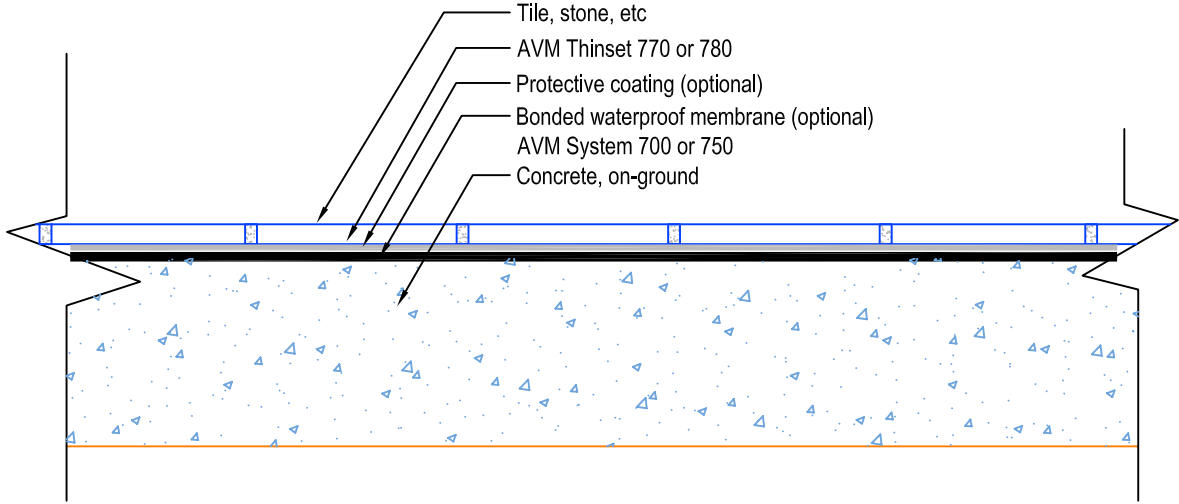


Tile Detail Notes

1. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. AVM System 700, breathable, fully reinforced, UV stable, acrylic membrane. ICC ESR-2662, LARR 25431, LARR M-050065. Although either membrane may be used, for this type of application, AVM recommends using the AVM System 750. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
2. AVM System 700, breathable, fully reinforced, UV stable, acrylic membrane. ICC ESR-2662, LARR 25431, LARR M-050065. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. Although either membrane may be used, for this type of application, AVM recommends using the AVM System 700. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
3. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. AVM System 700, breathable, fully reinforced, UV stable, acrylic membrane. ICC ESR-2662, LARR 25431, LARR M-050065. Either membrane may be used, for this type of application. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
4. The substrate surfaces must be structurally sound, clean, and dry, free of contamination, and prepared according to AVM's Installation Instructions and industry standards. When installing AVM's membranes on slabs on grade and/or hard to bond surfaces, use AVM's epoxy primer.
5. AVM recommends all parties to consult approved resources and design professionals to ensure a complete and proper assembly.
6. Please refer to the TCNA® Handbook for Ceramic Tile Installation and AVM's current data sheets and documentation for complete instructions and application limitations.
7. When installation is over slabs on grade, (on-ground concrete), installation of a waterproofing membrane is optional. If a membrane will be installed, verify moisture! If moisture exceeds 3 Lbs using a calcium chloride test, or exceeds other acceptable standards, consult with AVM prior to proceeding with installation. If a membrane will not be installed, the "Protective Coating" is not needed either.
8. Mortar Beds: The following mortar beds are recommended: AVM Crete 6400 (best) or AVM Crete 6460. Mortar beds must achieve a minimum of 2,000 PSI and be installed per TCNA's standards. When installed over and bonded directly to concrete substrates (excluding light weight concrete substrates) the mortar bed may be un-reinforced. (If installing over 1.25" thick, reinforce with 2"x2" wire). When installed over wood floor substrates and/or as a non-bonded mortar bed, the mortar bed needs to be fully reinforced with Metal Lath 2.5 (aka Diamond Lath, min 2.5 Lbs/Sq.Yard) and be a min of 1.25 inches thick to create rigidity. Mortar beds (concrete float) installed over and bonded to concrete/block walls do not need to be reinforced. Mortar beds (concrete float) installed over Wood and other substrates should be reinforced with metal lath 2.5. (These recommendations are based on using AVM Crete 6400 or 6460, high-performance polymer modified mortar beds)
9. Reinforcement: AVM System 750: AVM recommends to reinforce the membrane in the following areas by embedding AVM Mat 800 into the membrane: At all corners (such as wall-to-wall and wall-to-floor corners), at drains, all penetrations and any transition in the surface plain. Reinforcement: AVM System 700: AVM System 700 is fully reinforced. Extra reinforcement (double fabric) at corners and other critical areas is optional. Refer to each system's installation instructions for further details.
10. Roof Membranes: Roof membranes (also referred to as primary membranes) are often used in exterior roof or deck tile applications when installed over living or usable spaces: These assemblies have two membranes in them. A lower membrane (roof or primary membrane) and an upper membrane (secondary membrane) just below the tile, stone, etc. (the mortar bed separates the two) For the lower membrane (roof or primary membrane) AVM recommends to use AVM System 500 applied at a min 120 mils dry and fully reinforced with AVM Mat 800. Or, you may use other approved roofing membranes. (Consult with roofing membrane manufacturer) If a Drainage Mat is specified,, consult with AVM for Drainage Mat recommendations.
11. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. Only AVM System 750 is recommended for this type of application. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
12. If drainage is a consideration: Verify that proper drains are used. (Tile drains also known as Double Drains/Triple Drains, etc). Also verify that all drains, drainage elevations, sloping and tie-ins are correct.
13. When the terms "Backer-Board" or "Cement Backer Board" or "Fiber Cement Backer Board" or "Coated Glass mat Water-Resistant Gypsum Backer Board" etc, are used, they are not exclusive to a particular manufacturer. Equal Backer Units from multiple manufacturers may be used. Consult your with design professional for more information. All joints/seams, etc, must be fully reinforced with AVM Mat 800.
14. Self Leveling underlayment may be used in lieu of the specified underlayment.
15. Anti-Fracture: Anti-Fracture membranes must be fully reinforced with fabric to work properly. If installing AVM System 700, it's already fully reinforced, so no additional reinforcement is required. If installing AVM System 750, it has no reinforcement except at corners and other critical areas. Therefore, fabric must be embedded in the entire membrane. Use AVM Mat 800 for reinforcement. If the sole purpose of the membrane installation is for crack isolation, then refer to the "Crack Isolation (Anti-Fracture) Details" for additional installation information.
16. Shower receptors, curbs, seats, etc, must be properly waterproofed and installed to avoid water damage to adjacent building materials.

DETAIL # :	0700/0750-5002-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

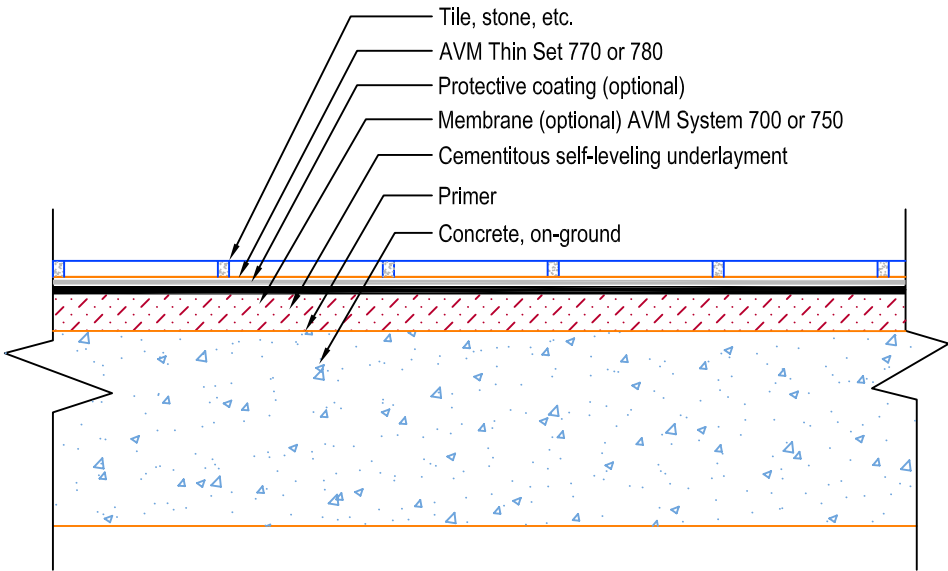
Tile Assembly,
Interior Floors over Slabs on Grade,
AVM Systems 700/750



- Notes:**
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 7, 12.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :	0700/0750-5022-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

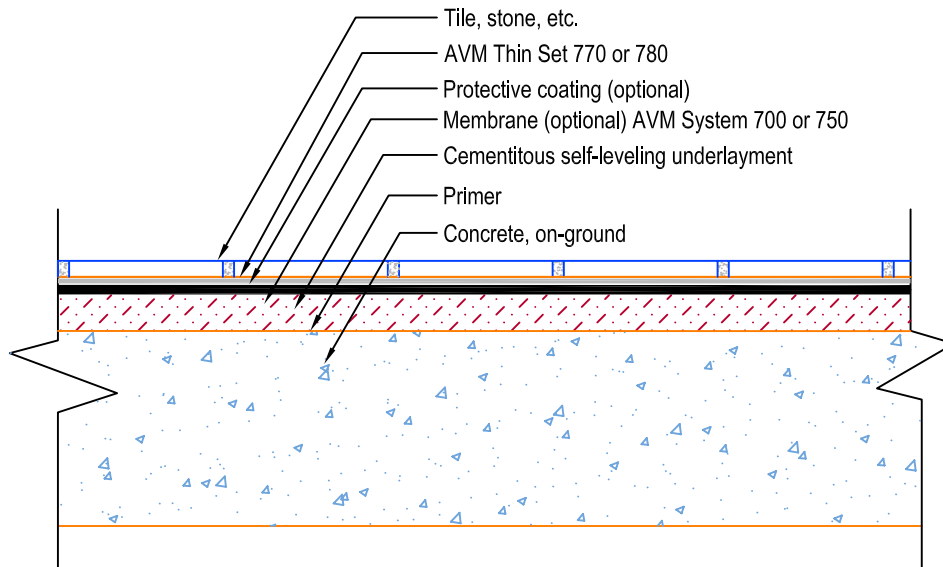
Tile Assembly,
 Interior Floors over Slabs on Grade,
 Cementitious Self Leveling Underlayment
AVM Systems 700/750



- Notes:
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 7, 12,14.
 2. AVM Epoxy Primer is recommended
 3. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
0700/0750-5042-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Interior Floors over Slabs on Grade,
Poured Gypsum Underlayment
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 7, 12.
2. AVM Epoxy Primer is recommended
3. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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FILE NAME: 0700-0750-5042-C-Tile-Assembly-over-Slab-on-Grade-over-Gypsum-Underlayment-CS-TXR

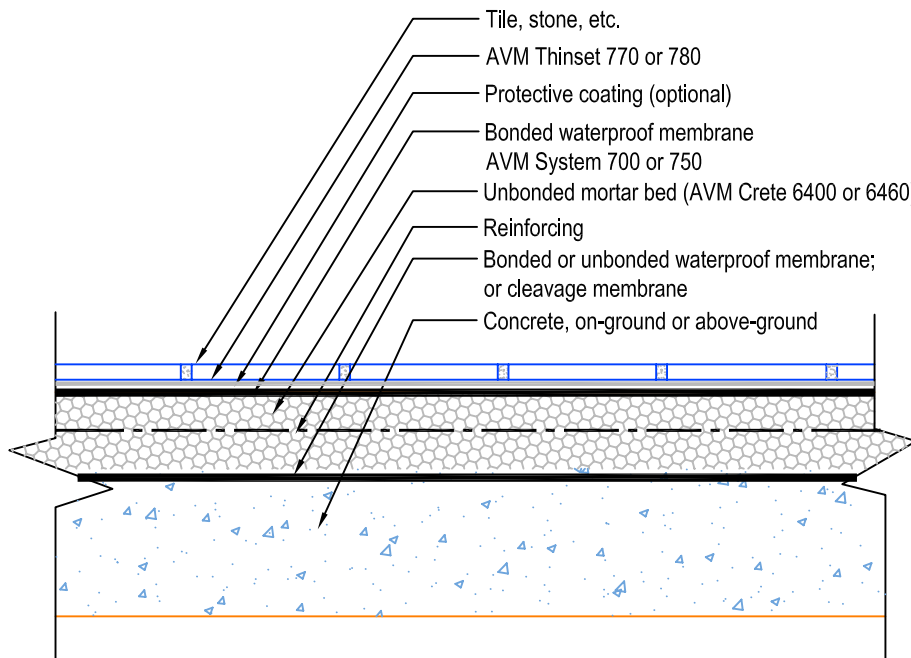
TXR-F200-11-ASR

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Revision Date: 12/13/2011

DETAIL # :
0700/0750-5202-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

**Tile Assembly,
Interior Floors over Slabs on Grade
or Elevated Slabs, over Unbonded Mortar Bed,
with Bonded Waterproof Membrane,
AVM Systems 700/750**



Notes:

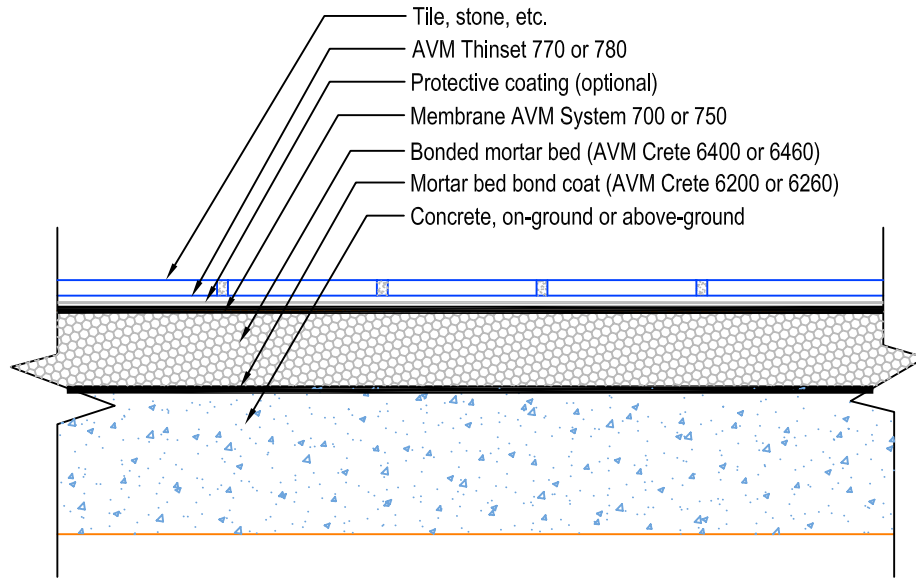
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 7, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-5212-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

**Tile Assembly, Interior Floors over Slabs
on Grade or Elevated Slabs,
over Bonded Mortar Bed,
with Bonded Waterproof Membrane**
AVM Systems 700/750



Notes:

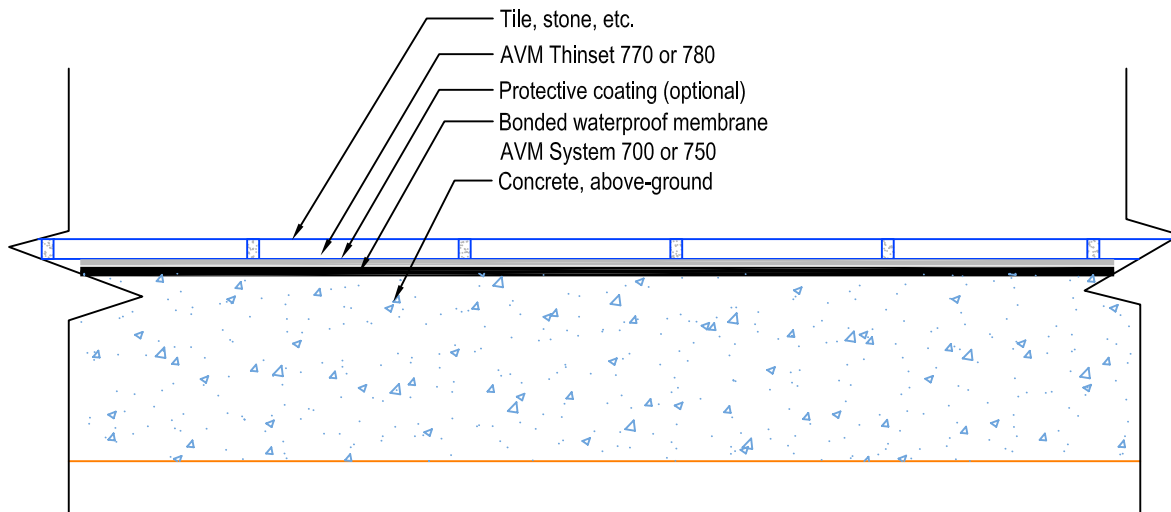
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 7, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-5302-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Interior Floors over Elevated Slabs,
Over Bonded Waterproof Membrane
AVM Systems 700/750



Notes:

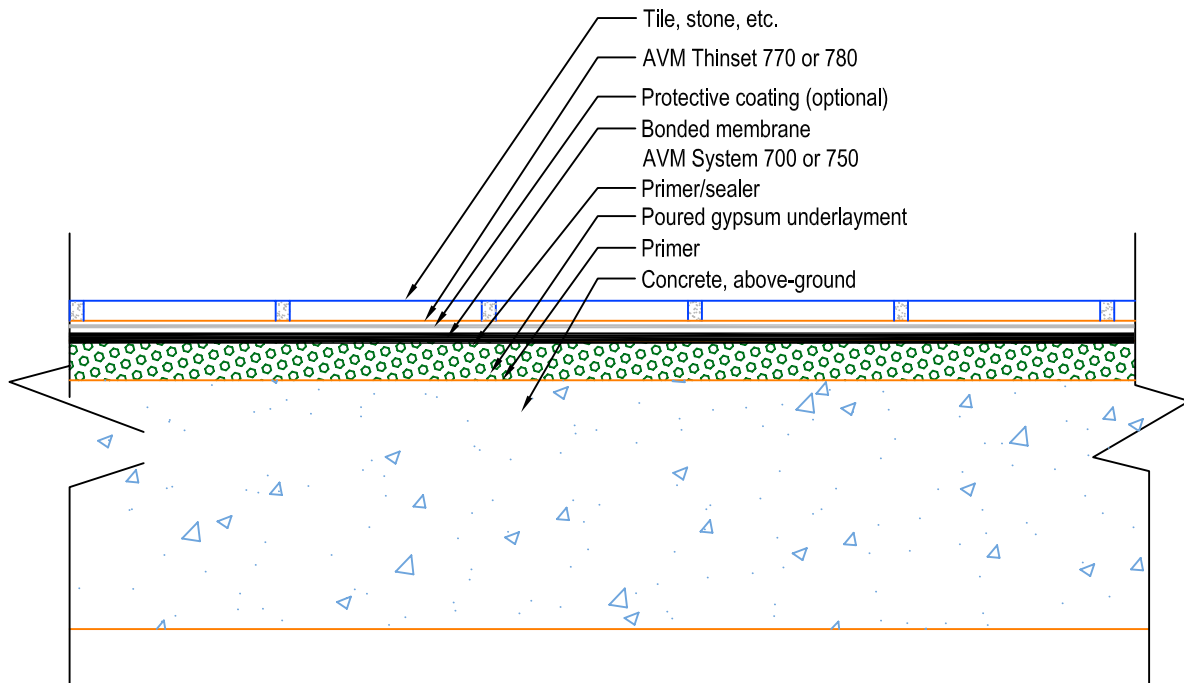
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-5322-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

**Tile Assembly, Interior Floors
over elevated Slabs, Poured Gypsum
Underlayment, With Bonded
Waterproof Membrane
AVM Systems 700/750**



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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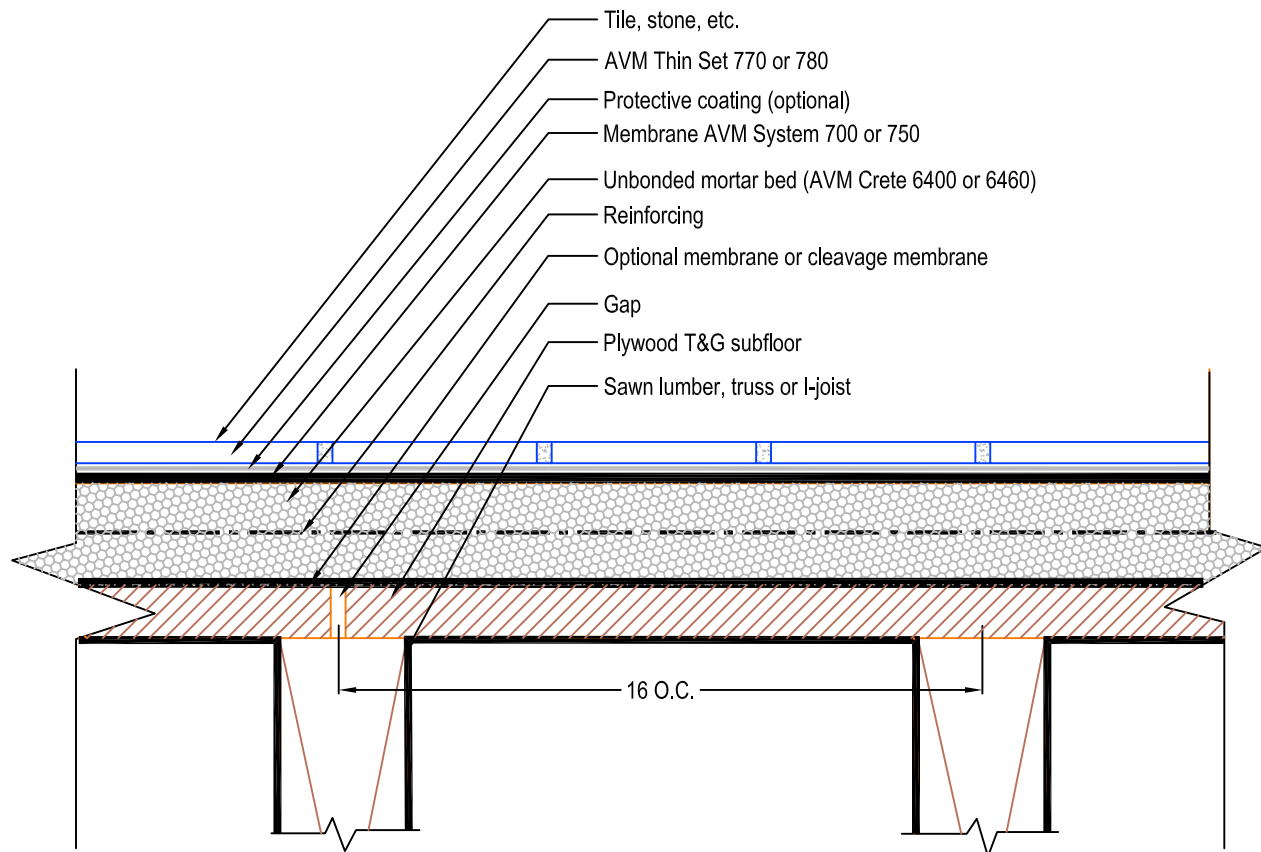
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DETAIL # :
0700/0750-5502-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors over
Plywood Subfloor, 16 Inch O.C.,
Wire Reinforced, Unbonded Mortar Bed
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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FILE NAME: 0700-0750-5502-WF-Tile-Assembly-over-Plywood-Subfloor-Joists-16-Inch-OC-over-Wire-Reinforced-Unbonded-Mortar-Bed-CS-TXR

TXR-F141-11-ASR

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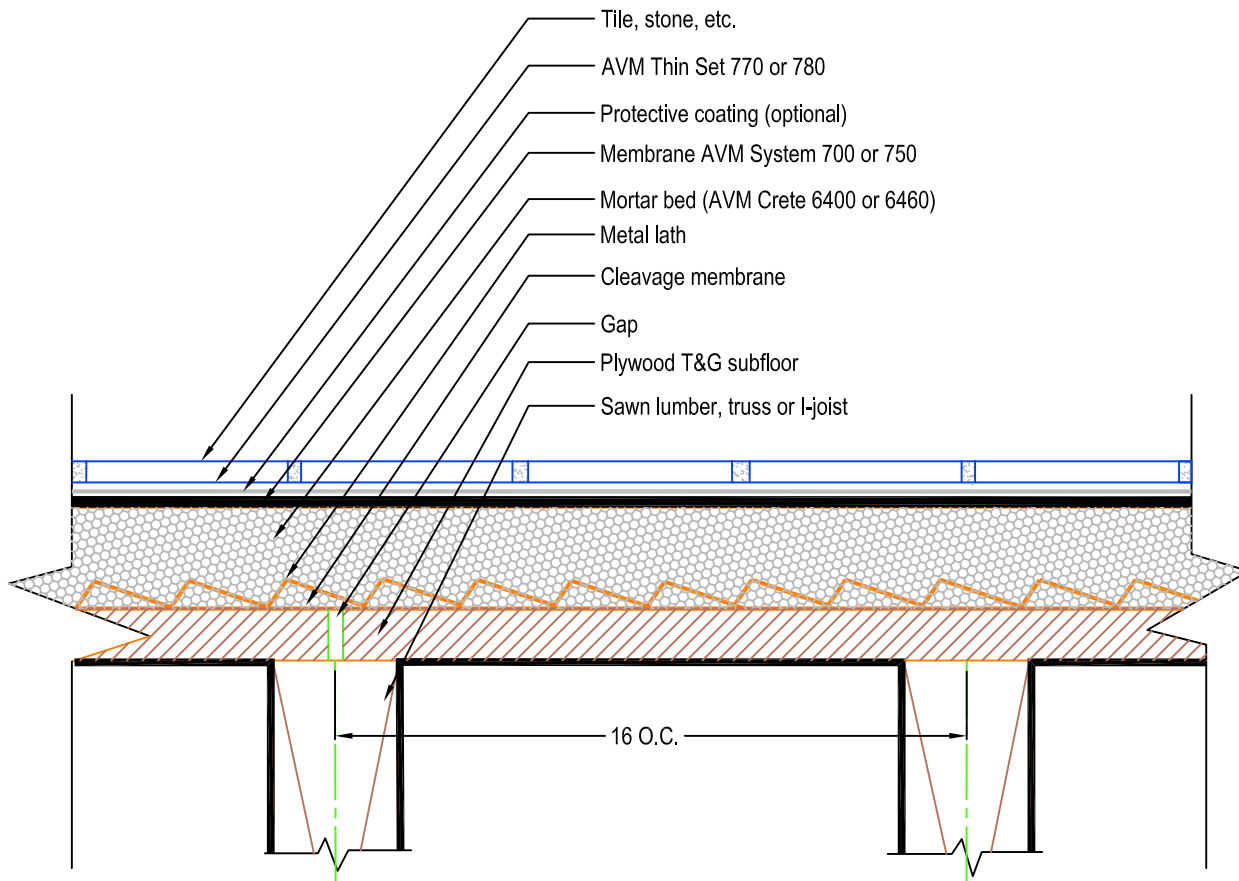
Revision Date: 12/20/2011

DETAIL # :
0700/0750-5542-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors
Over Plywood Subfloor,
16 Inch O.C., Lath Reinforced Mortar Bed
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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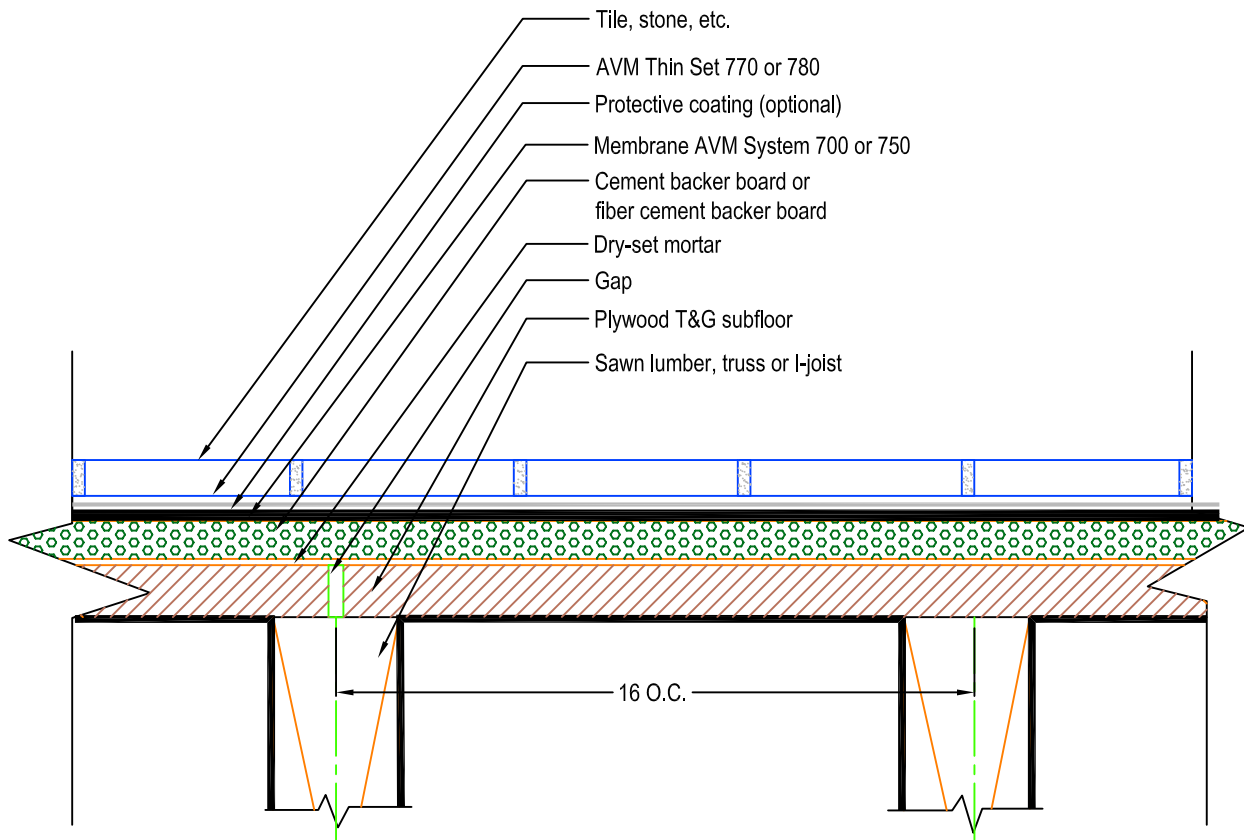
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DETAIL # :
0700/0750-5582-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors over
Plywood Subfloor, 16 Inch O.C.,
Cement or Fiber-Cement Backer Board
AVM Systems 700/750



Notes:

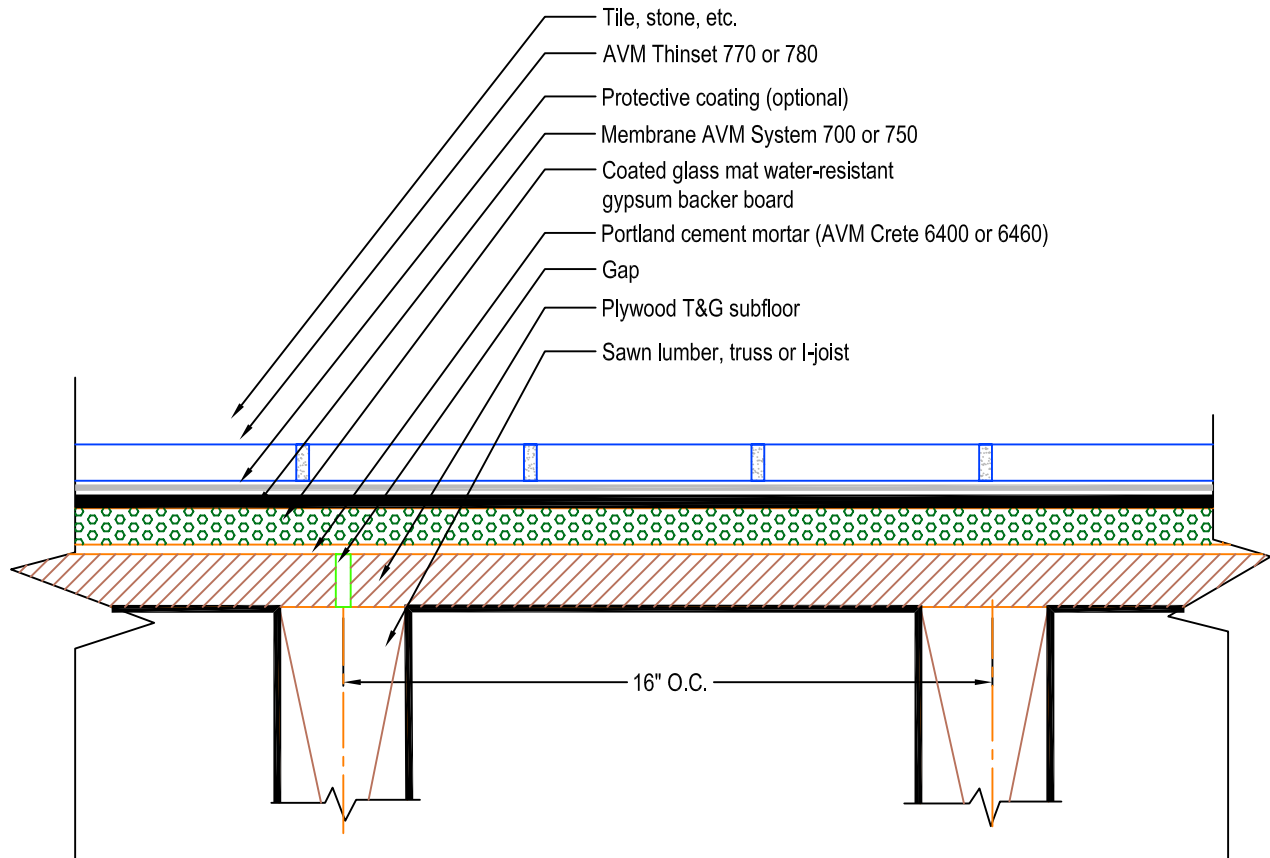
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12, 13.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
 0700/0750-5622-WF-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

**Tile Assembly, Interior Floors over
 Plywood Subfloor, 16 Inch O.C.,
 Coated Glass Mat Water Resistant
 Gypsum Backer Board,
 AVM Systems 700/750**



Notes:

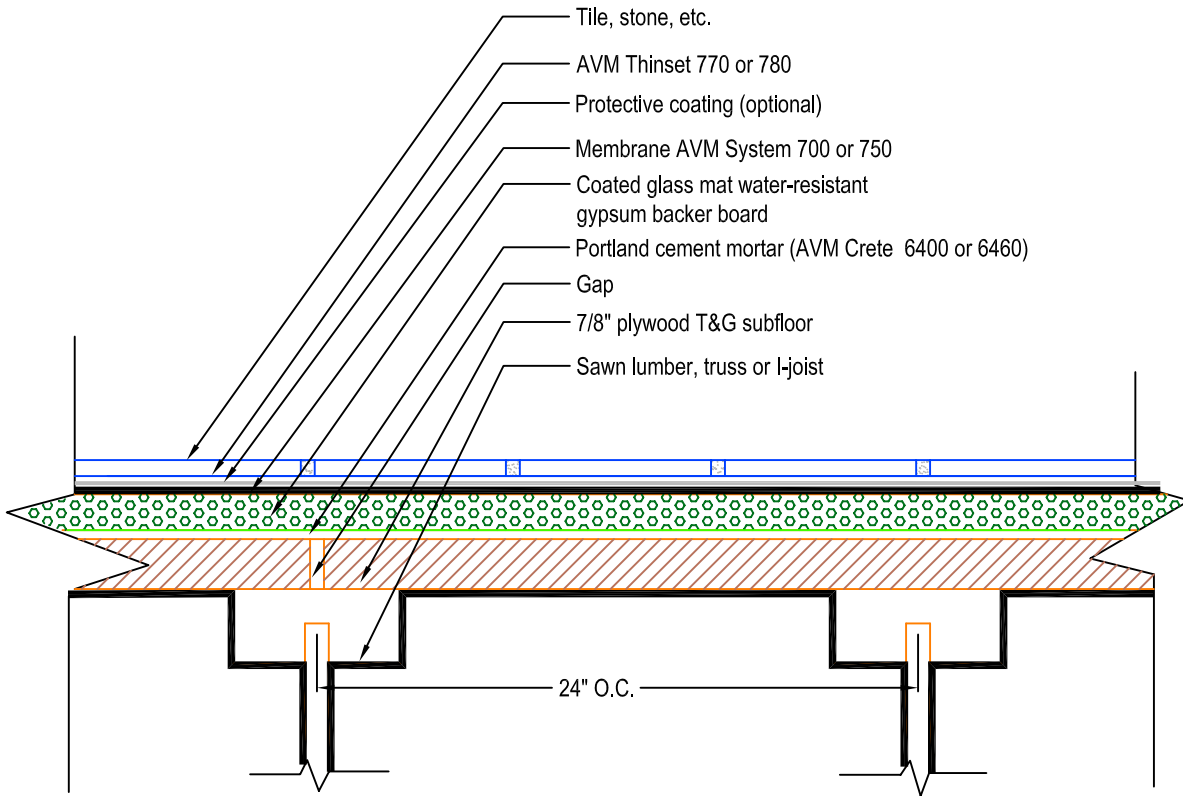
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12, 13.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
 0700/0750-5642-WF-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

**Tile Assembly, Interior Floors over
 Plywood Subfloor, 24 Inch O.C.,
 Coated Glass Mat Water Resistant
 Gypsum Backer Board
 AVM Systems 700/750**



Notes:

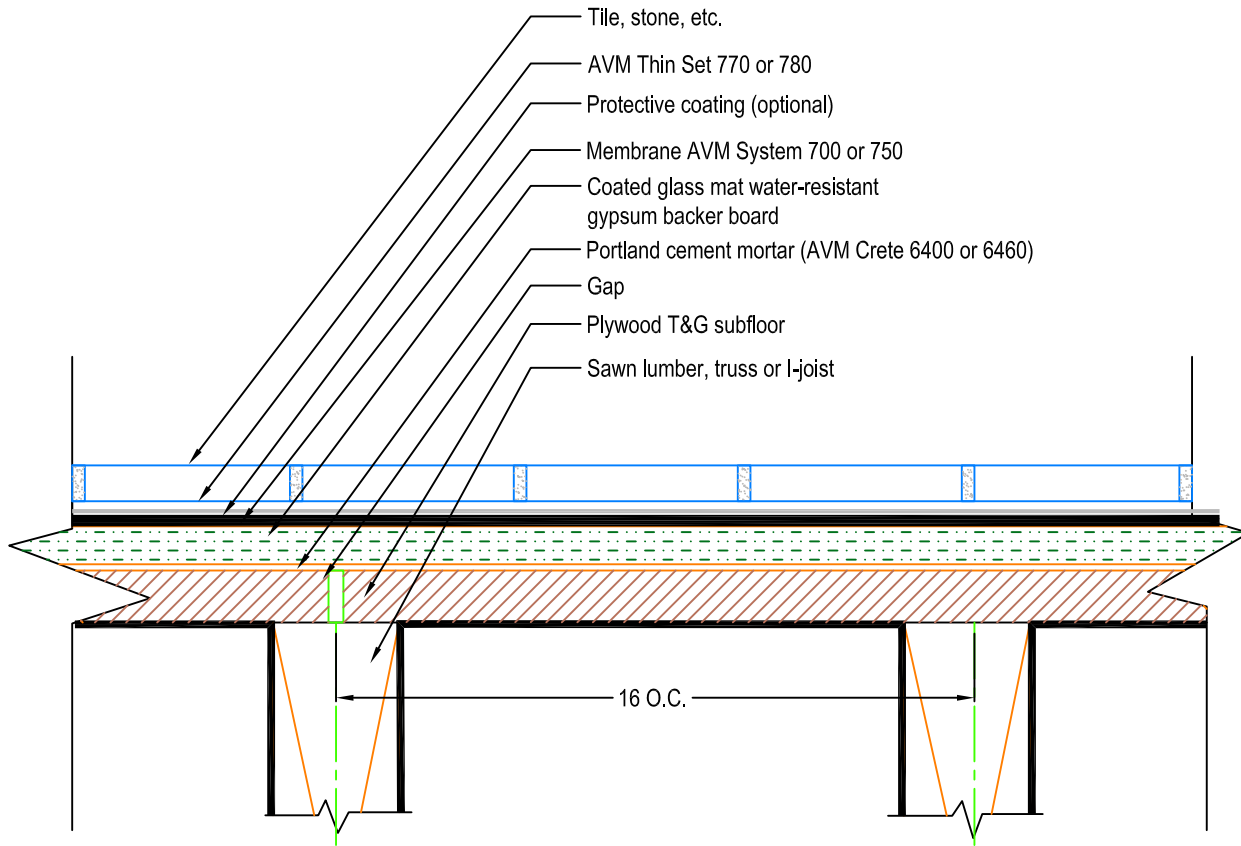
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12, 13.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
 0700/0750-5662-WF-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

**Tile Assembly, Interior Floors over
 Plywood Subfloor, 16 Inch O.C.,
 Fiber Reinforced Water
 Resistant Gypsum Backer Board,
 AVM Systems 700/750**



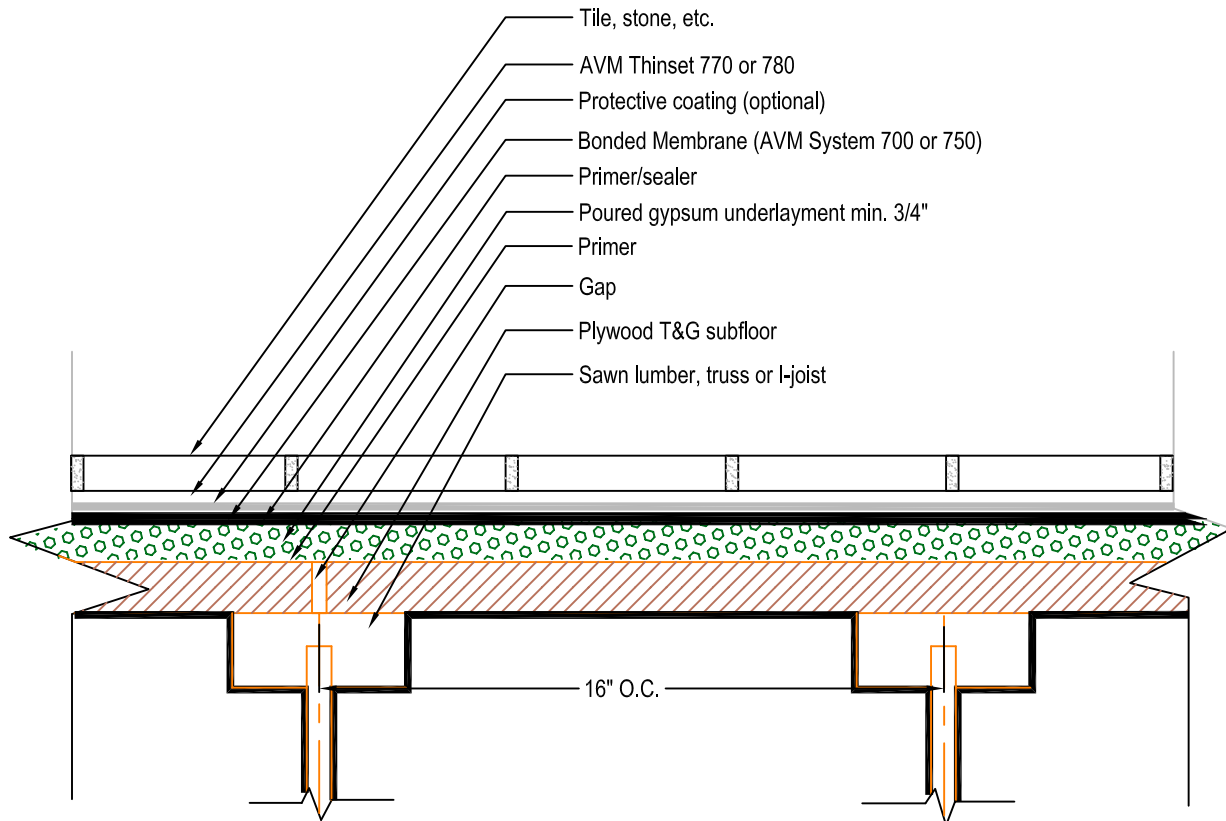
- Notes:**
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12, 13.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
0700/0750-5702-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors over
Plywood Subfloor, 16 Inch O.C.,
Poured Gypsum Underlayment
AVM Systems 700/750



Notes:

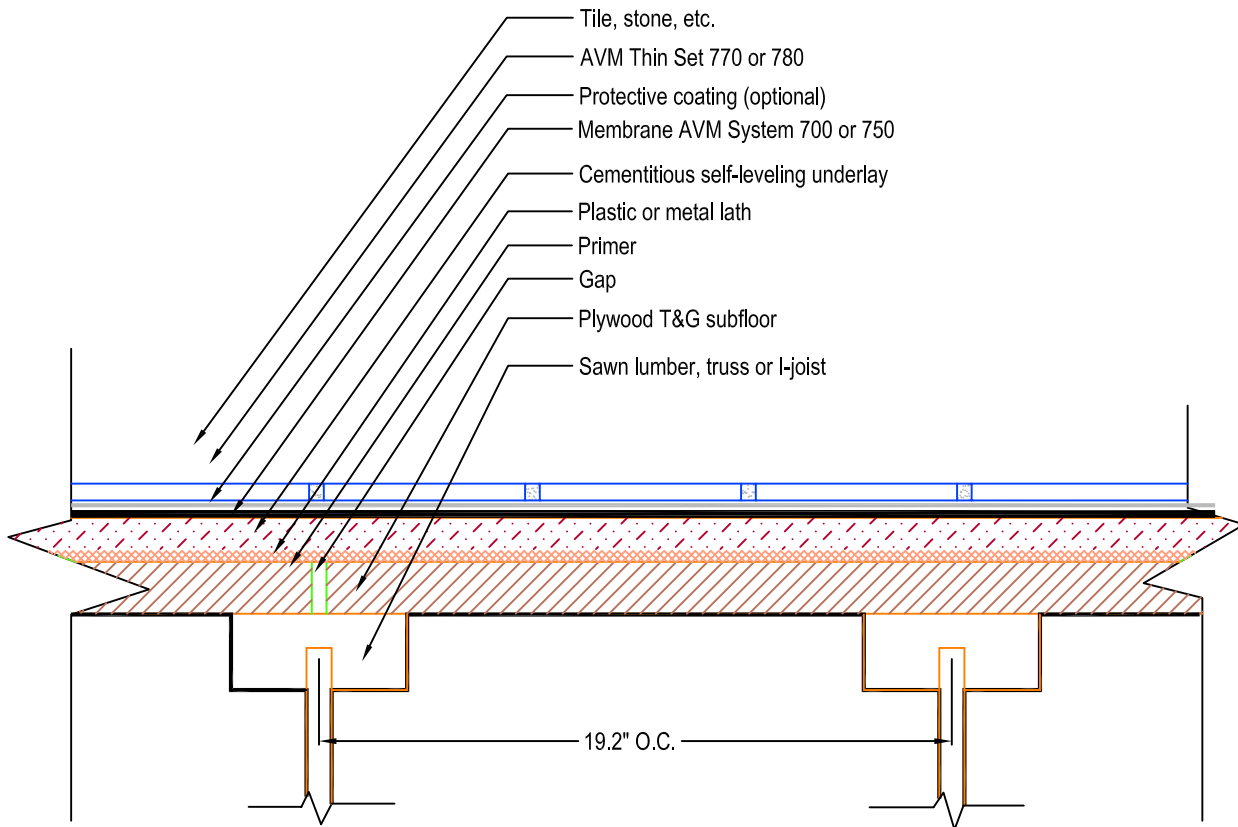
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
 0700/0750-5752-WF-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

**Tile Assembly, Interior Floors over
 Plywood Subfloor, 19.2 Inch O.C.,
 Cementitious Self-Leveling Underlayment
 AVM Systems 700/750**



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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FILE NAME: 0700-0750-5752-WF-Tile-Assembly-over-Plywood-Subfloor-Joists-19-Inch-OC-over-Cementitious-Self-Leveling-Underlayment-CS-TXR

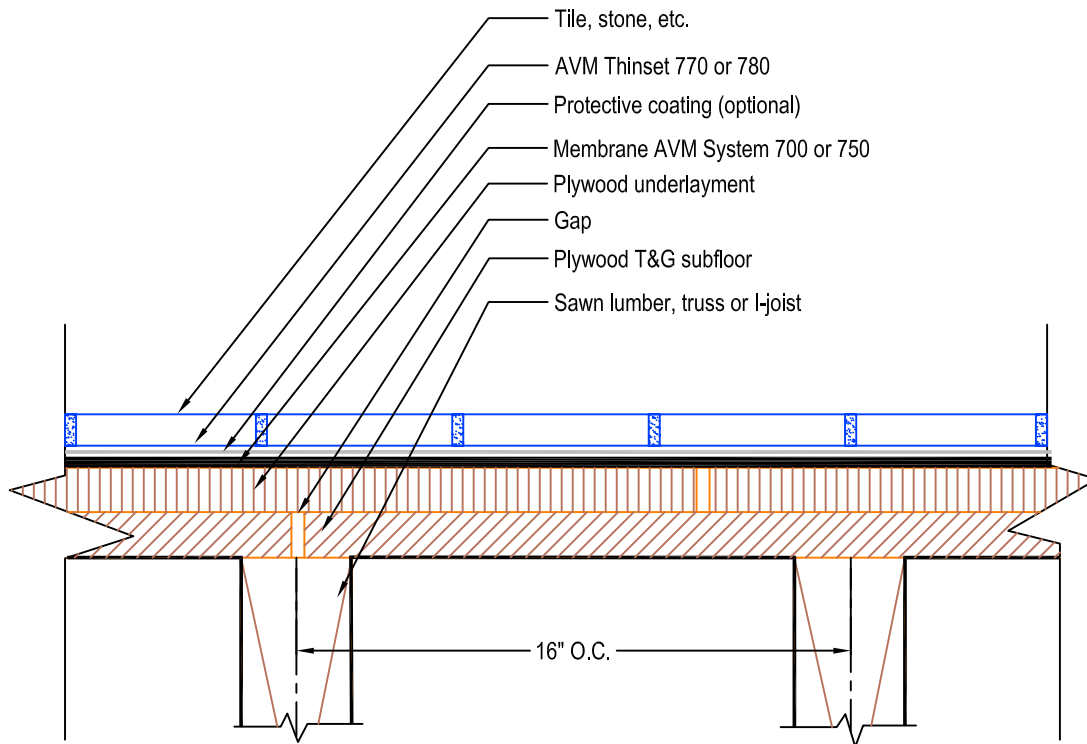
TXR-F185-11-ASR

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Revision Date: 12/13/2011

DETAIL # :	0700/0750-5782-WF-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

**Tile Assembly, Interior Floors over
Plywood Subfloor, 16 Inch O.C.,
Plywood Underlayment**
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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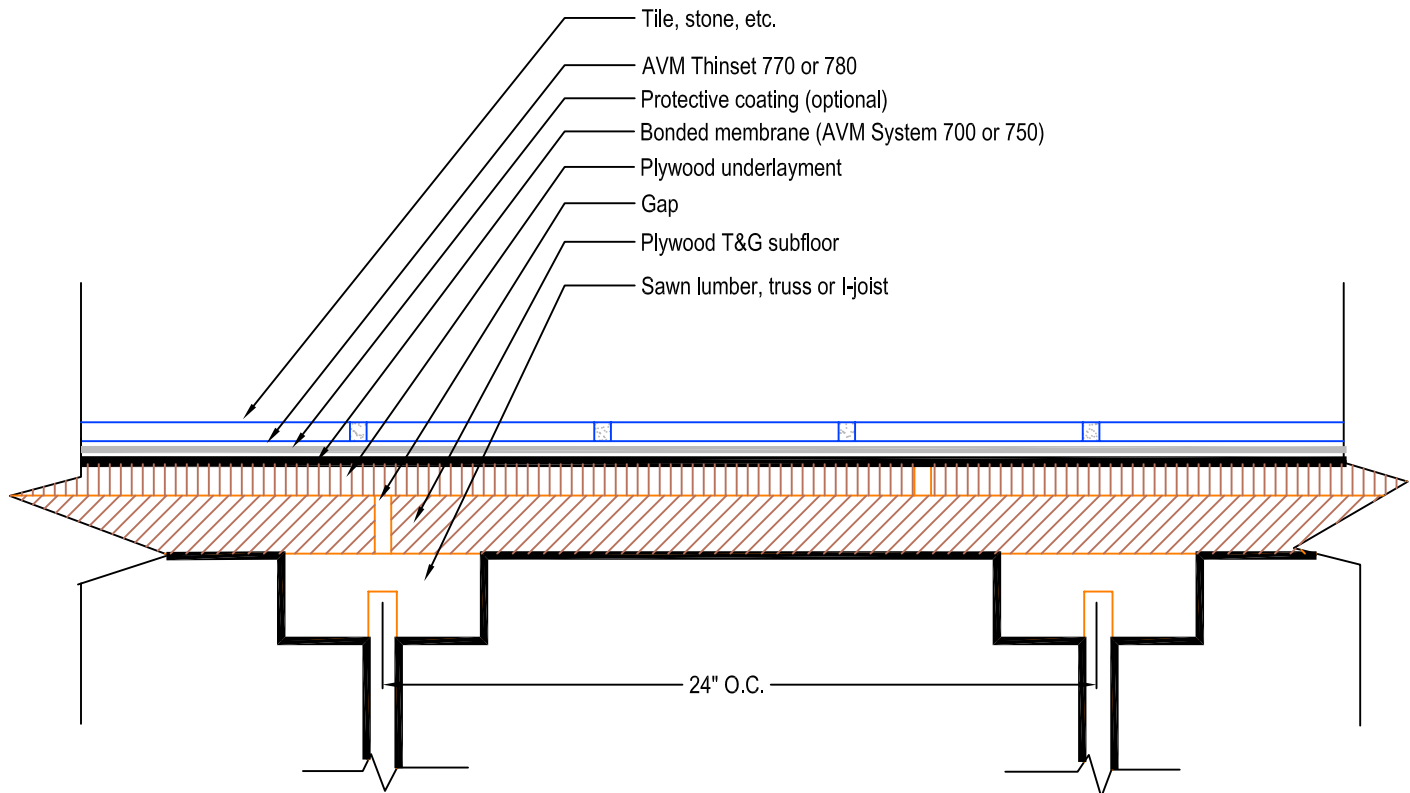
Quality Waterproofing Products

DETAIL # :
0700/0750-5802-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors over
Plywood Subfloor, 24 Inch O.C.,
Plywood Underlayment
AVM Systems 700/750



Notes:

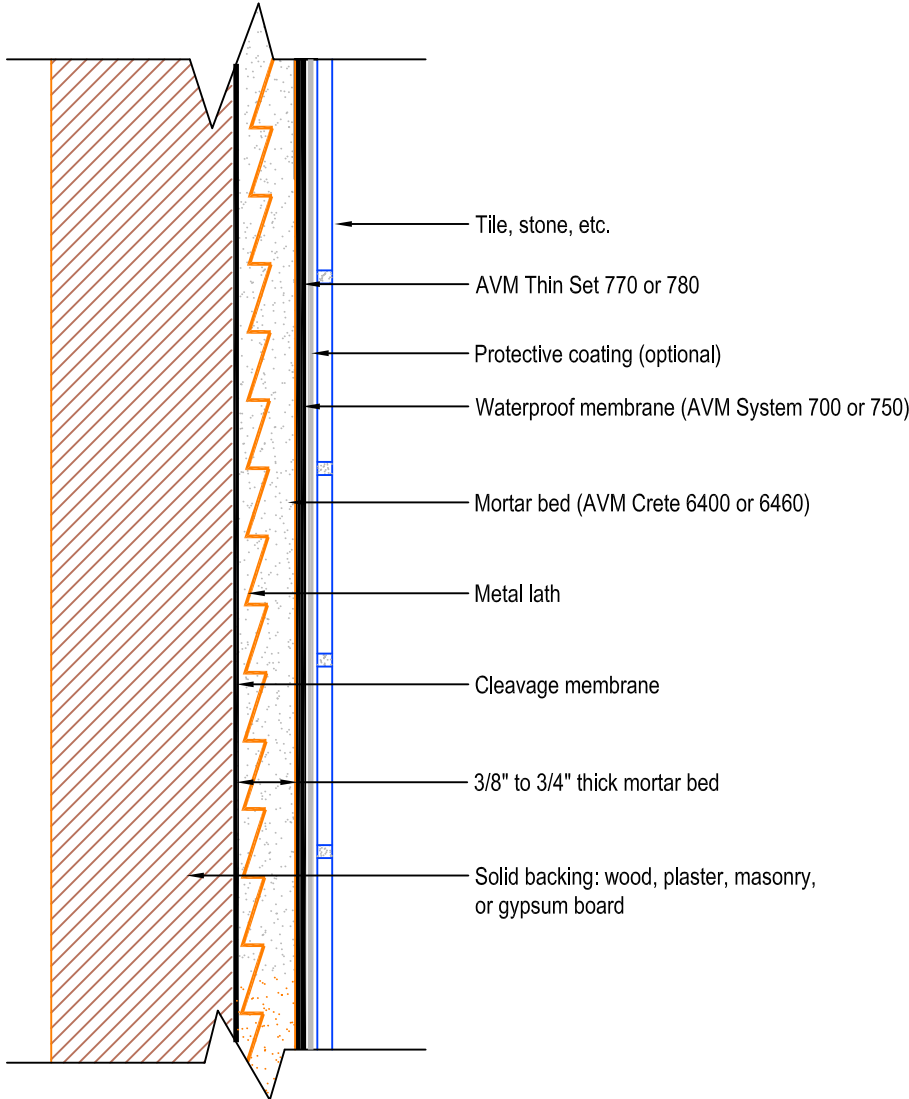
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :	0700/0750-6002-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

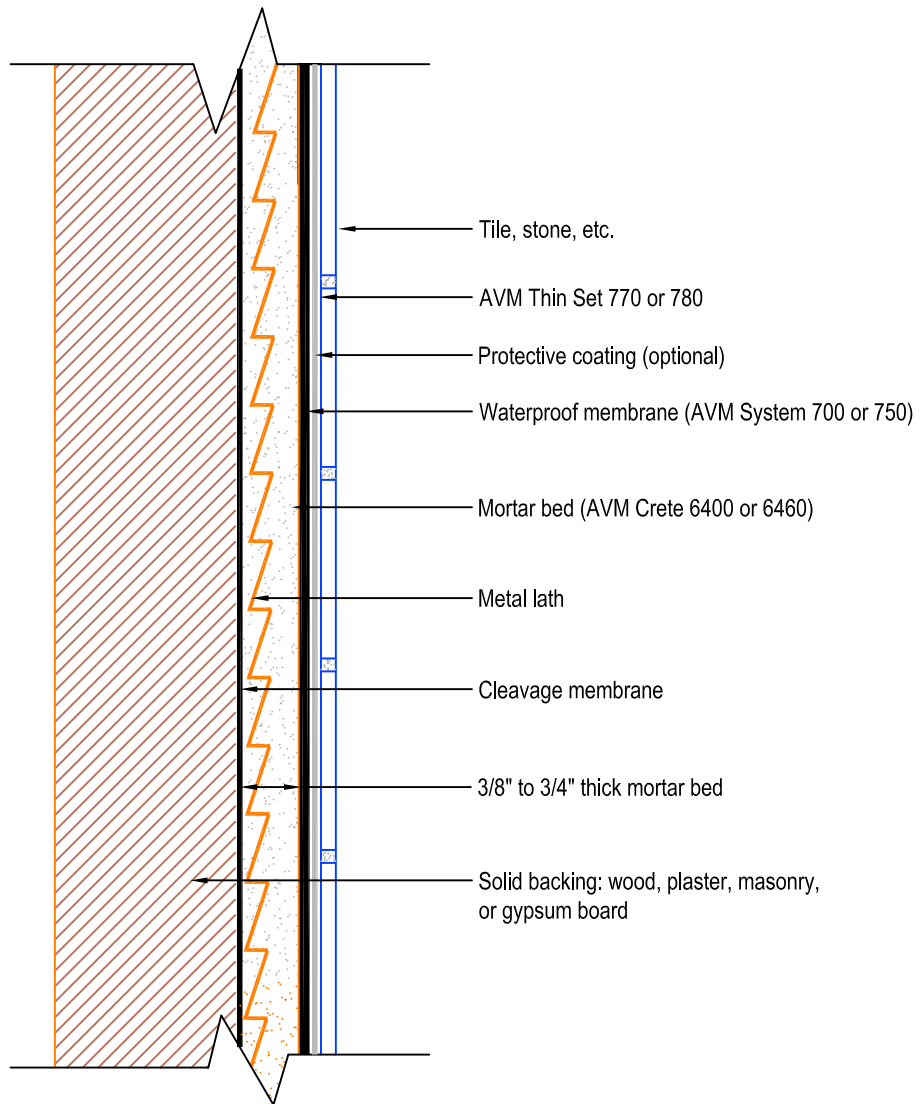
**Tile Assembly, Interior Walls
Over Solid Backing Mortar Bed**
AVM Systems 700/750



- Notes:**
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 8, 9.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :	0700/0750-6004-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

**Tile Assembly,
Interior Walls over Solid Backing Mortar Bed,
(One Coat Method)**
AVM Systems 700/750



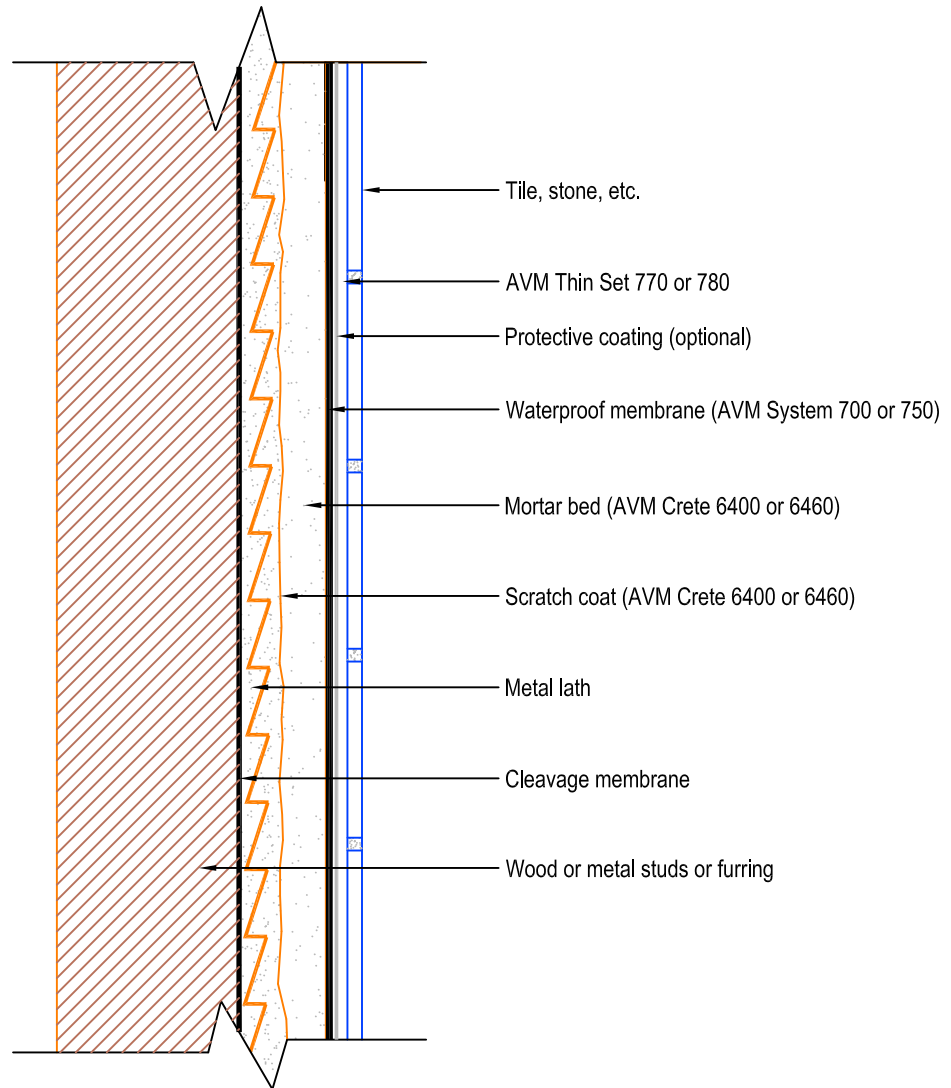
- Notes:**
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 8, 9.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
0700/0750-6102-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly,
Interior Walls over Wood or Metal Studs,
Mortar Bed,
AVM Systems 700/750



Notes:

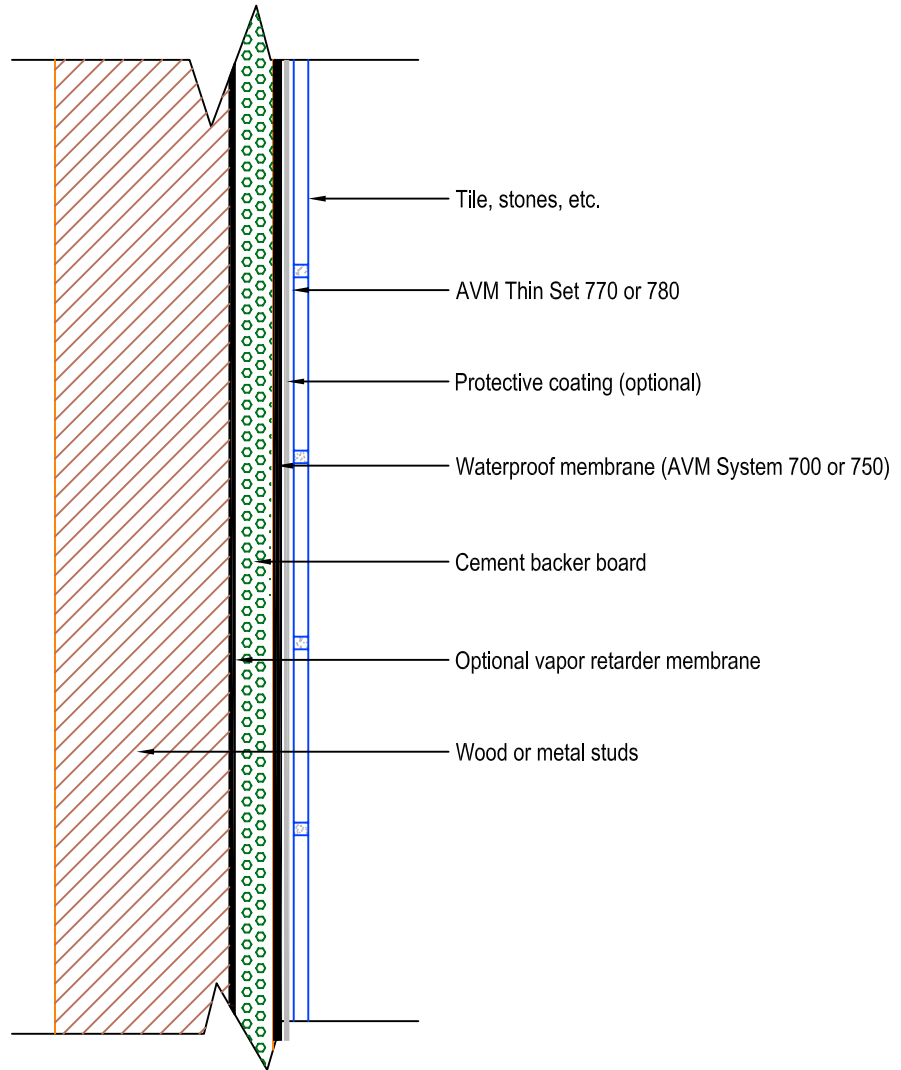
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 8, 9.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-6162-WF-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Interior Walls over Wood or Metal Studs,
Cement Backer Board,
AVM Systems 700/750



Notes:

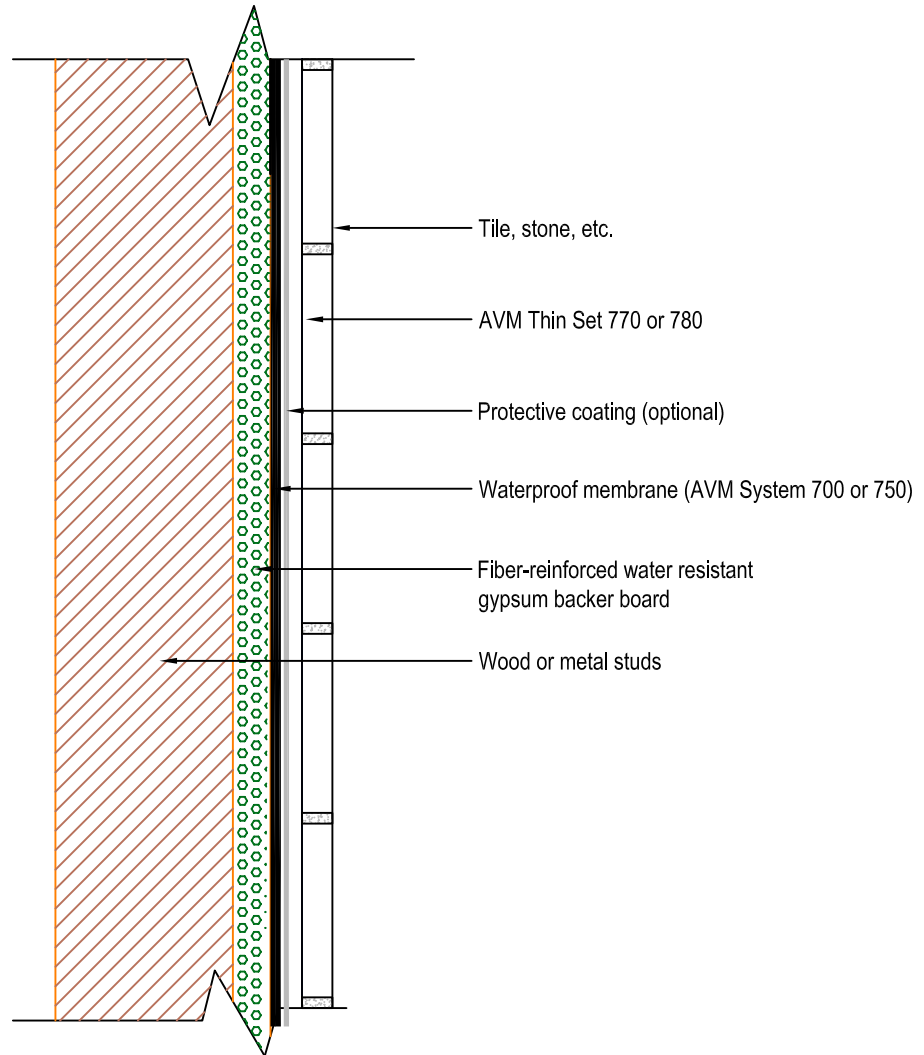
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 9, 13.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-6182-WF-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Interior Walls over Wood or Metal Studs,
Fiber-Reinforced Water-Resistant
Gypsum Backer Board
AVM Systems 700/750



Notes:

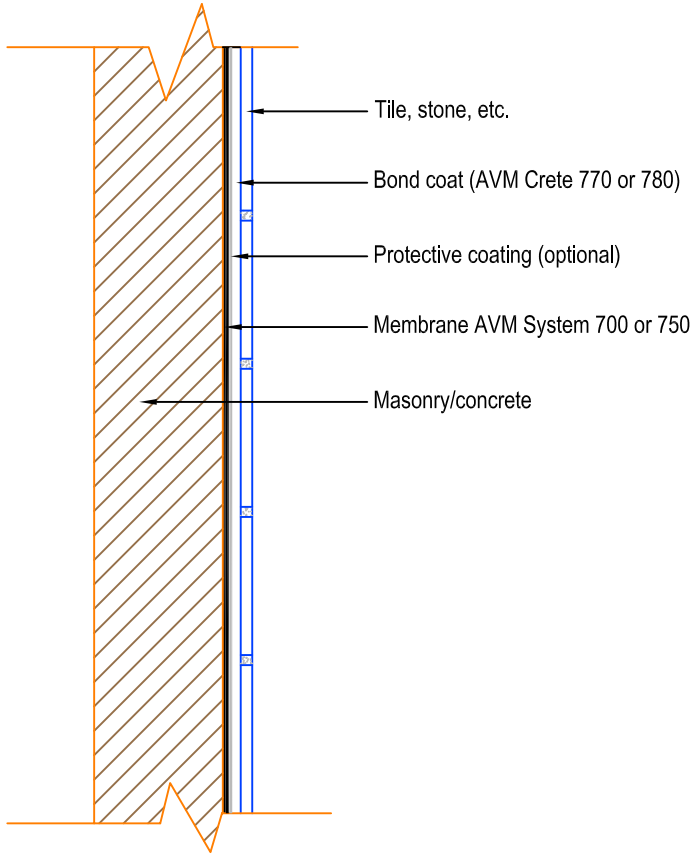
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 9, 13.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :	0700/0750-6302-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

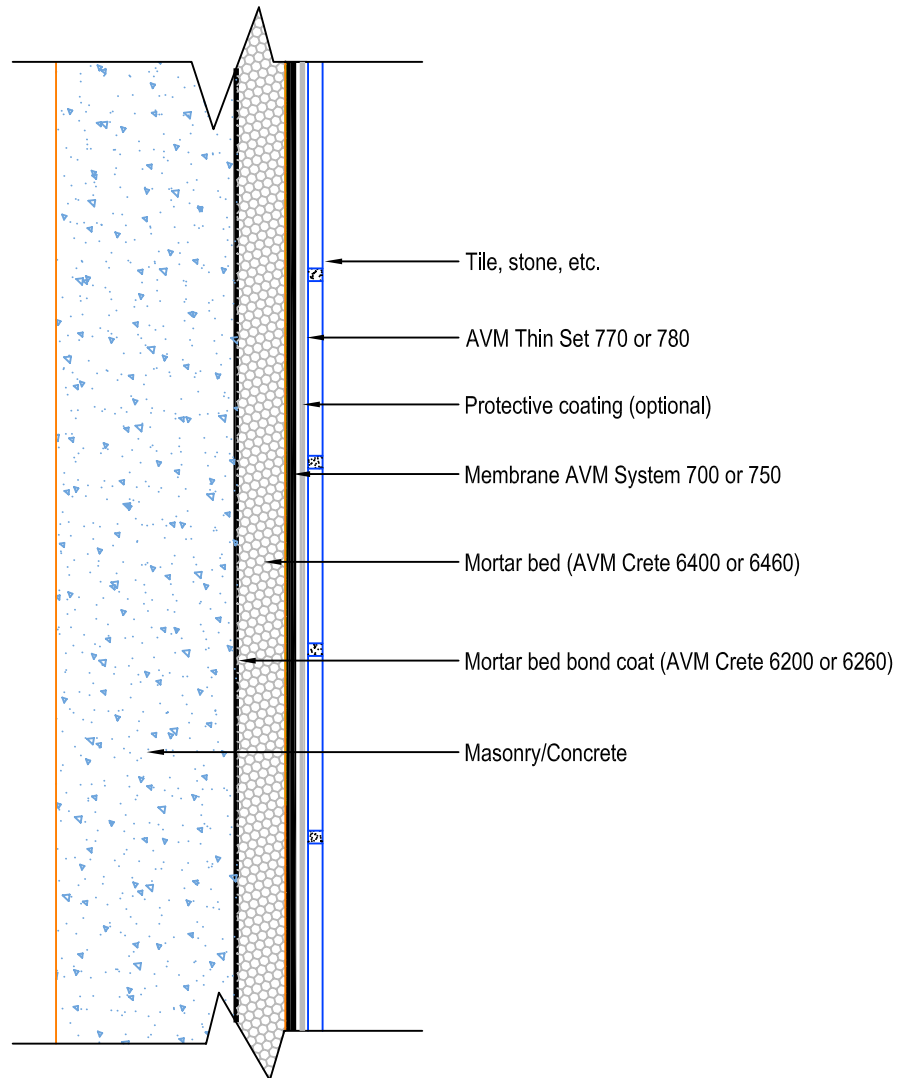
Tile Assembly,
Interior Walls over Masonry or Concrete
AVM Systems 700/750



- Notes:**
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 9.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
0700/0750-6322-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Walls
Over Masonry or Concrete,
Bonded Mortar Bed,
AVM Systems 700/750



Notes:

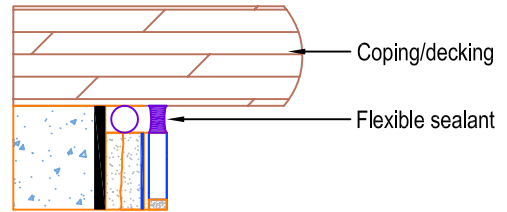
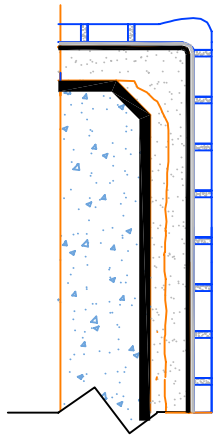
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 8, 9.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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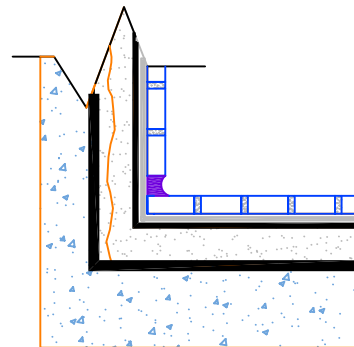
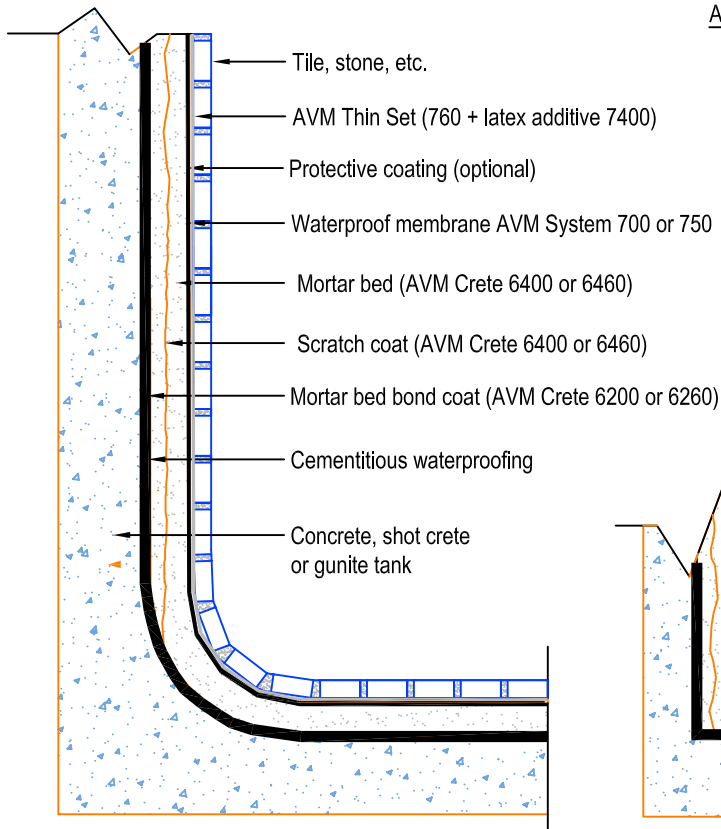
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DETAIL # :
 0700/0750-7002-C-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

**Tile Assembly,
 In Pool or Pond, Concrete Tank,
 Bonded Mortar Bed**
AVM Systems 700/750



Alternate deck profile



Alternate bottom profile

Notes:

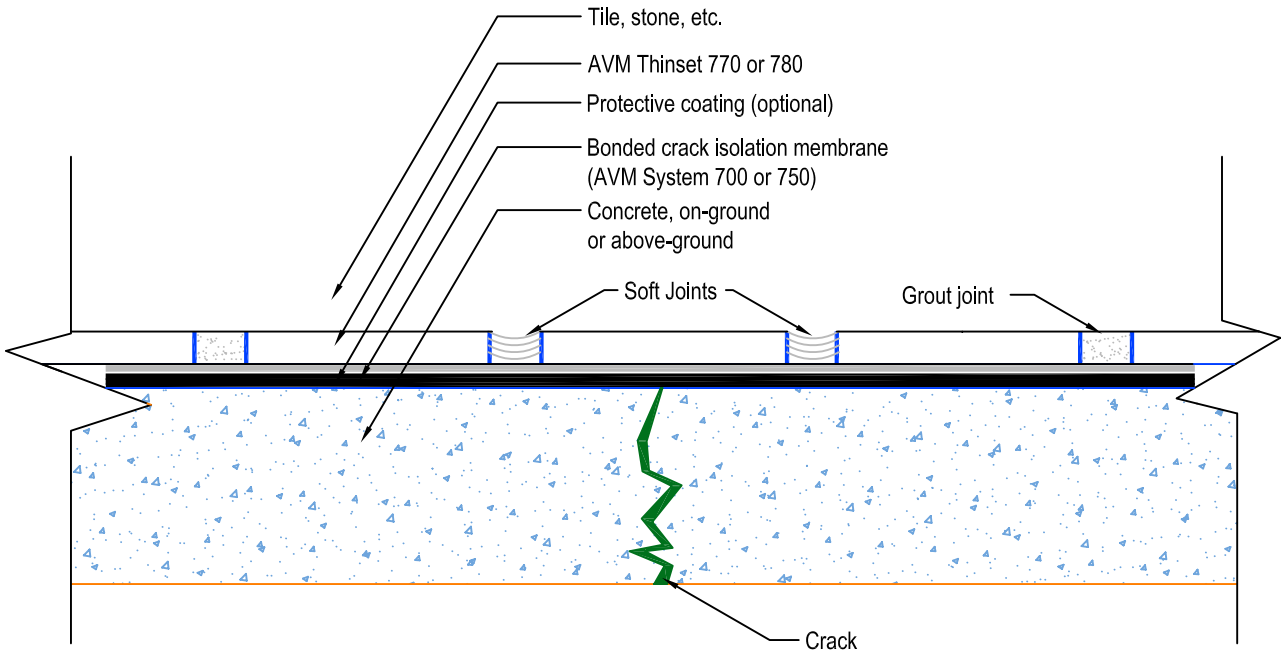
1. See AVM tile detail notes sheet for notes 4, 5, 6, 7, 8, 9, 11, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :	0700/0750-7502-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

**Tile Assembly, Interior Floors,
Crack Isolation Membrane, Full Coverage**
AVM Systems 700/750



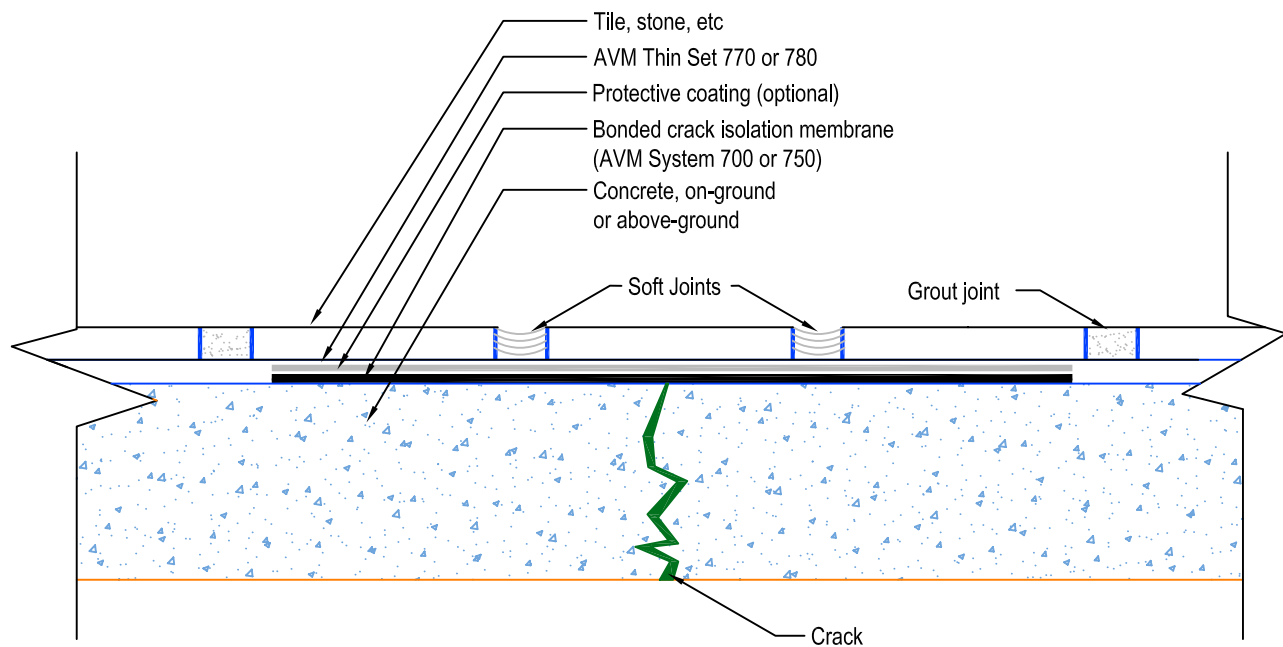
- Notes:**
1. See AVM tile detail notes sheet for notes 2, 4, 5, 6, 7, 15.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
0700/0750-7552-C

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors,
Crack Isolation Membrane, Partial Coverage
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 2, 4, 5, 6, 7, 15.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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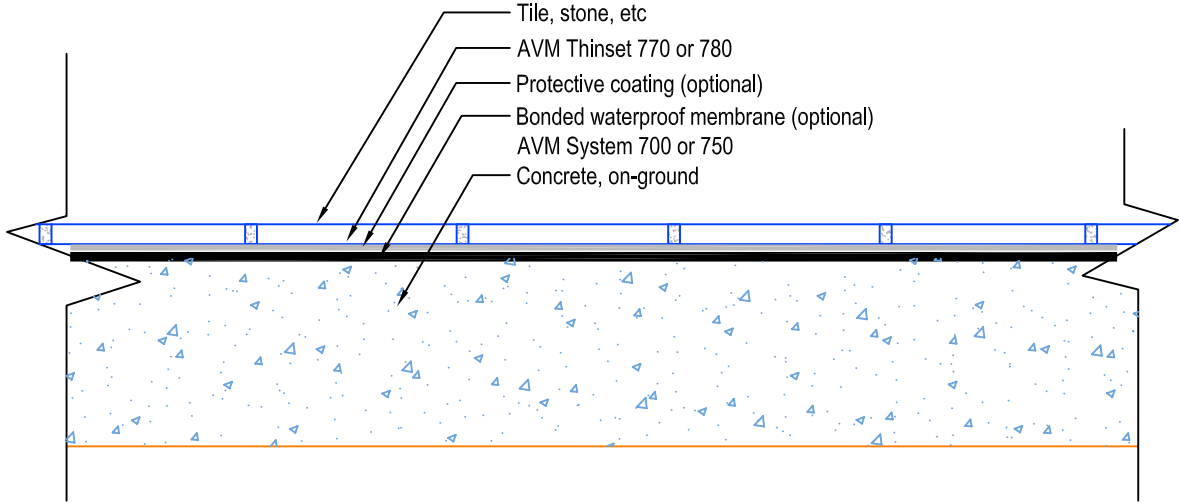


Tile Detail Notes

1. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. AVM System 700, breathable, fully reinforced, UV stable, acrylic membrane. ICC ESR-2662, LARR 25431, LARR M-050065. Although either membrane may be used, for this type of application, AVM recommends using the AVM System 750. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
2. AVM System 700, breathable, fully reinforced, UV stable, acrylic membrane. ICC ESR-2662, LARR 25431, LARR M-050065. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. Although either membrane may be used, for this type of application, AVM recommends using the AVM System 700. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
3. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. AVM System 700, breathable, fully reinforced, UV stable, acrylic membrane. ICC ESR-2662, LARR 25431, LARR M-050065. Either membrane may be used, for this type of application. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
4. The substrate surfaces must be structurally sound, clean, and dry, free of contamination, and prepared according to AVM's Installation Instructions and industry standards. When installing AVM's membranes on slabs on grade and/or hard to bond surfaces, use AVM's epoxy primer.
5. AVM recommends all parties to consult approved resources and design professionals to ensure a complete and proper assembly.
6. Please refer to the TCNA® Handbook for Ceramic Tile Installation and AVM's current data sheets and documentation for complete instructions and application limitations.
7. When installation is over slabs on grade, (on-ground concrete), installation of a waterproofing membrane is optional. If a membrane will be installed, verify moisture! If moisture exceeds 3 Lbs using a calcium chloride test, or exceeds other acceptable standards, consult with AVM prior to proceeding with installation. If a membrane will not be installed, the "Protective Coating" is not needed either.
8. Mortar Beds: The following mortar beds are recommended: AVM Crete 6400 (best) or AVM Crete 6460. Mortar beds must achieve a minimum of 2,000 PSI and be installed per TCNA's standards. When installed over and bonded directly to concrete substrates (excluding light weight concrete substrates) the mortar bed may be un-reinforced. (If installing over 1.25" thick, reinforce with 2"x2" wire). When installed over wood floor substrates and/or as a non-bonded mortar bed, the mortar bed needs to be fully reinforced with Metal Lath 2.5 (aka Diamond Lath, min 2.5 Lbs/Sq.Yard) and be a min of 1.25 inches thick to create rigidity. Mortar beds (concrete float) installed over and bonded to concrete/block walls do not need to be reinforced. Mortar beds (concrete float) installed over Wood and other substrates should be reinforced with metal lath 2.5. (These recommendations are based on using AVM Crete 6400 or 6460, high-performance polymer modified mortar beds)
9. Reinforcement: AVM System 750: AVM recommends to reinforce the membrane in the following areas by embedding AVM Mat 800 into the membrane: At all corners (such as wall-to-wall and wall-to-floor corners), at drains, all penetrations and any transition in the surface plain. Reinforcement: AVM System 700: AVM System 700 is fully reinforced. Extra reinforcement (double fabric) at corners and other critical areas is optional. Refer to each system's installation instructions for further details.
10. Roof Membranes: Roof membranes (also referred to as primary membranes) are often used in exterior roof or deck tile applications when installed over living or usable spaces: These assemblies have two membranes in them. A lower membrane (roof or primary membrane) and an upper membrane (secondary membrane) just below the tile, stone, etc. (the mortar bed separates the two) For the lower membrane (roof or primary membrane) AVM recommends to use AVM System 500 applied at a min 120 mils dry and fully reinforced with AVM Mat 800. Or, you may use other approved roofing membranes. (Consult with roofing membrane manufacturer) If a Drainage Mat is specified,, consult with AVM for Drainage Mat recommendations.
11. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. Only AVM System 750 is recommended for this type of application. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
12. If drainage is a consideration: Verify that proper drains are used. (Tile drains also known as Double Drains/Triple Drains, etc). Also verify that all drains, drainage elevations, sloping and tie-ins are correct.
13. When the terms "Backer-Board" or "Cement Backer Board" or "Fiber Cement Backer Board" or "Coated Glass mat Water-Resistant Gypsum Backer Board" etc, are used, they are not exclusive to a particular manufacturer. Equal Backer Units from multiple manufacturers may be used. Consult your with design professional for more information. All joints/seams, etc, must be fully reinforced with AVM Mat 800.
14. Self Leveling underlayment may be used in lieu of the specified underlayment.
15. Anti-Fracture: Anti-Fracture membranes must be fully reinforced with fabric to work properly. If installing AVM System 700, it's already fully reinforced, so no additional reinforcement is required. If installing AVM System 750, it has no reinforcement except at corners and other critical areas. Therefore, fabric must be embedded in the entire membrane. Use AVM Mat 800 for reinforcement. If the sole purpose of the membrane installation is for crack isolation, then refer to the "Crack Isolation (Anti-Fracture) Details" for additional installation information.
16. Shower receptors, curbs, seats, etc, must be properly waterproofed and installed to avoid water damage to adjacent building materials.

DETAIL # :	0700/0750-5002-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

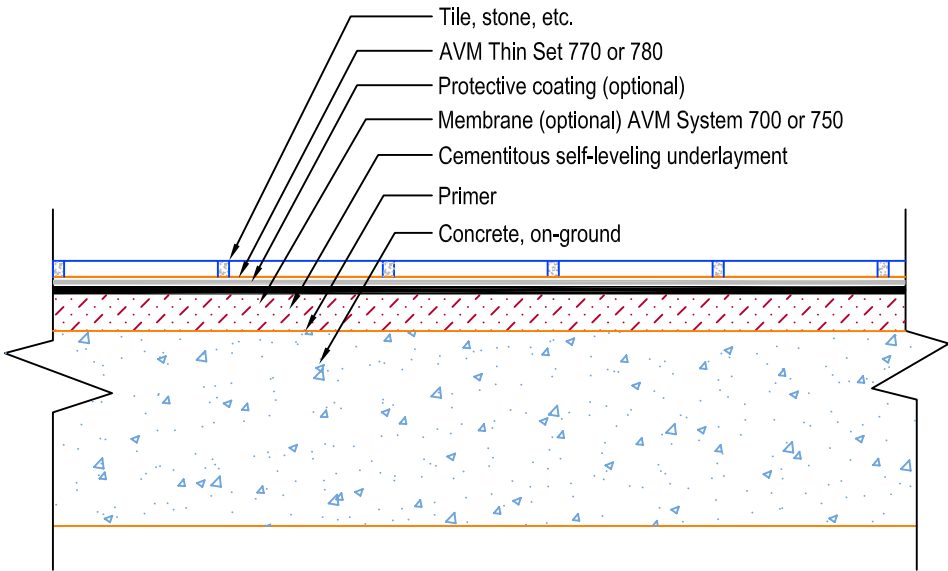
Tile Assembly,
Interior Floors over Slabs on Grade,
AVM Systems 700/750



- Notes:**
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 7, 12.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :	0700/0750-5022-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

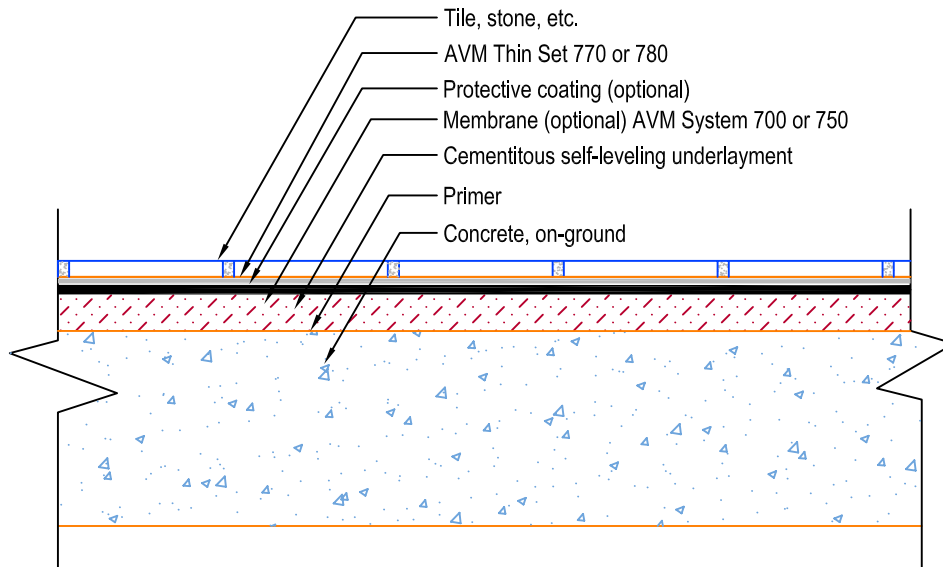
**Tile Assembly,
Interior Floors over Slabs on Grade,
Cementitious Self Leveling Underlayment**
AVM Systems 700/750



- Notes:**
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 7, 12,14.
 2. AVM Epoxy Primer is recommended
 3. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
0700/0750-5042-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Interior Floors over Slabs on Grade,
Poured Gypsum Underlayment
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 7, 12.
2. AVM Epoxy Primer is recommended
3. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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FILE NAME: 0700-0750-5042-C-Tile-Assembly-over-Slab-on-Grade-over-Gypsum-Underlayment-CS-TXR

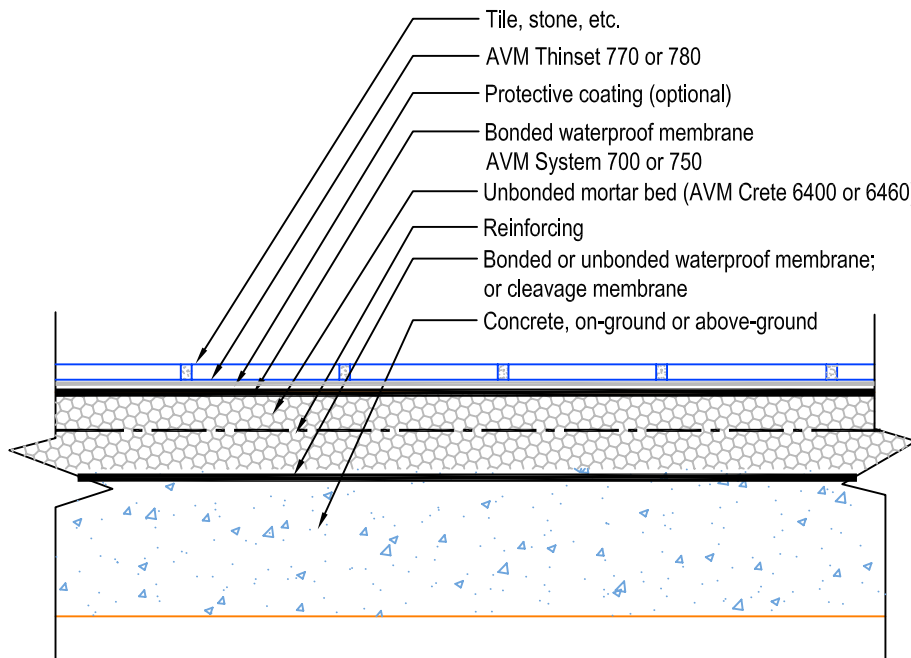
TXR-F200-11-ASR

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Revision Date: 12/13/2011

DETAIL # :
0700/0750-5202-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

**Tile Assembly,
Interior Floors over Slabs on Grade
or Elevated Slabs, over Unbonded Mortar Bed,
with Bonded Waterproof Membrane,
AVM Systems 700/750**



Notes:

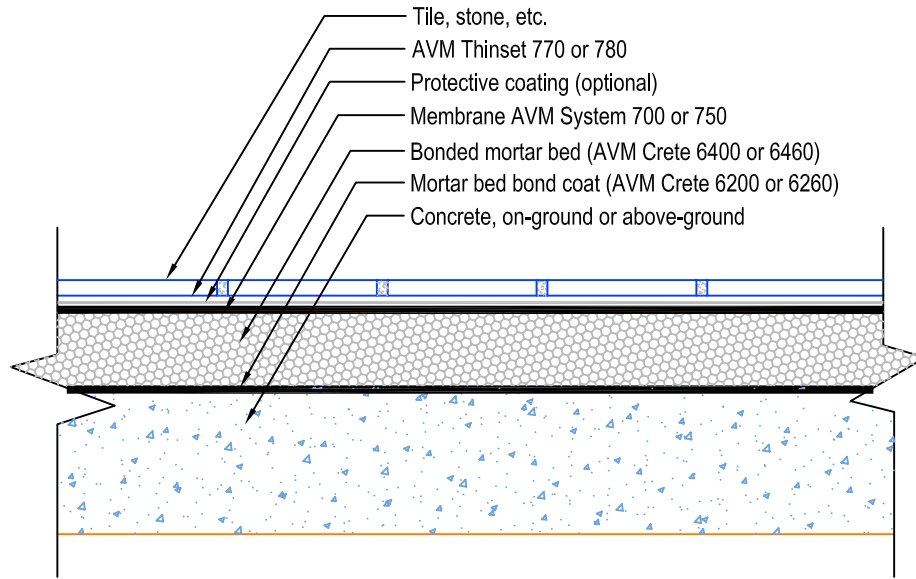
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 7, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-5212-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

**Tile Assembly, Interior Floors over Slabs
on Grade or Elevated Slabs,
over Bonded Mortar Bed,
with Bonded Waterproof Membrane
AVM Systems 700/750**



Notes:

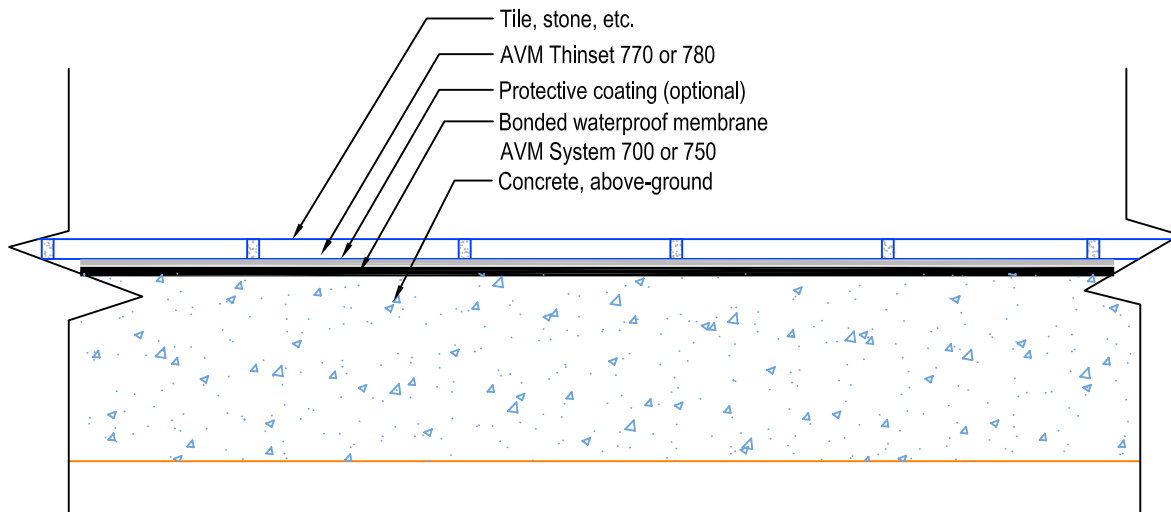
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 7, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-5302-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Interior Floors over Elevated Slabs,
Over Bonded Waterproof Membrane
AVM Systems 700/750



Notes:

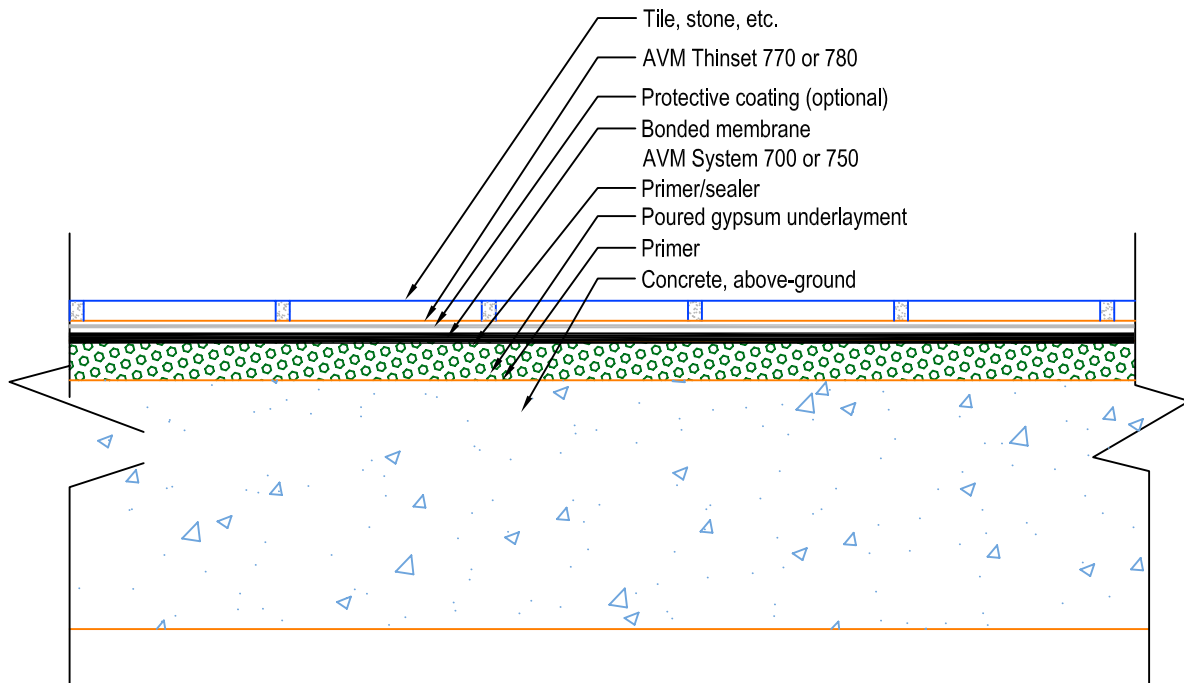
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-5322-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

**Tile Assembly, Interior Floors
over elevated Slabs, Poured Gypsum
Underlayment, With Bonded
Waterproof Membrane
AVM Systems 700/750**



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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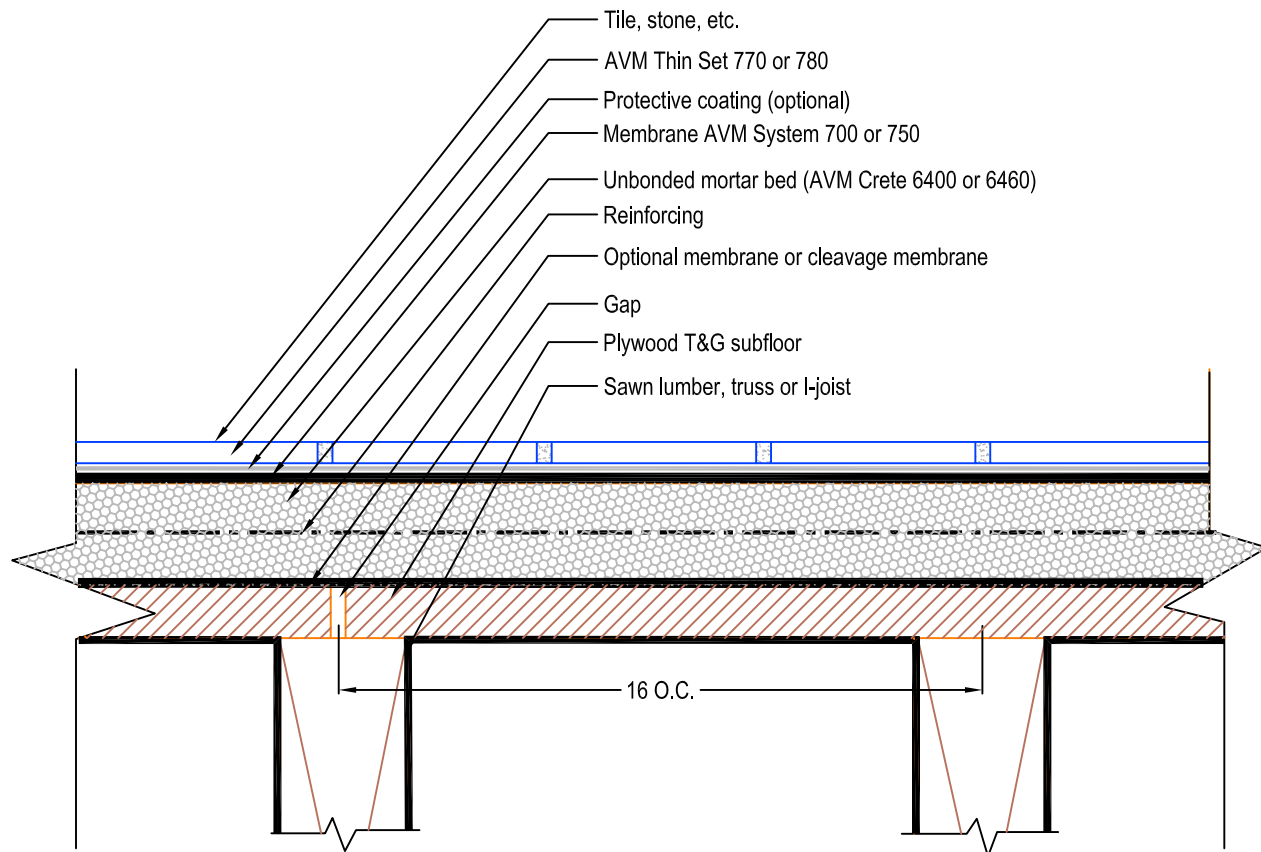
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DETAIL # :
0700/0750-5502-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors over
Plywood Subfloor, 16 Inch O.C.,
Wire Reinforced, Unbonded Mortar Bed
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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FILE NAME: 0700-0750-5502-WF-Tile-Assembly-over-Plywood-Subfloor-Joists-16-Inch-OC-over-Wire-Reinforced-Unbonded-Mortar-Bed-CS-TXR

TXR-F141-11-ASR

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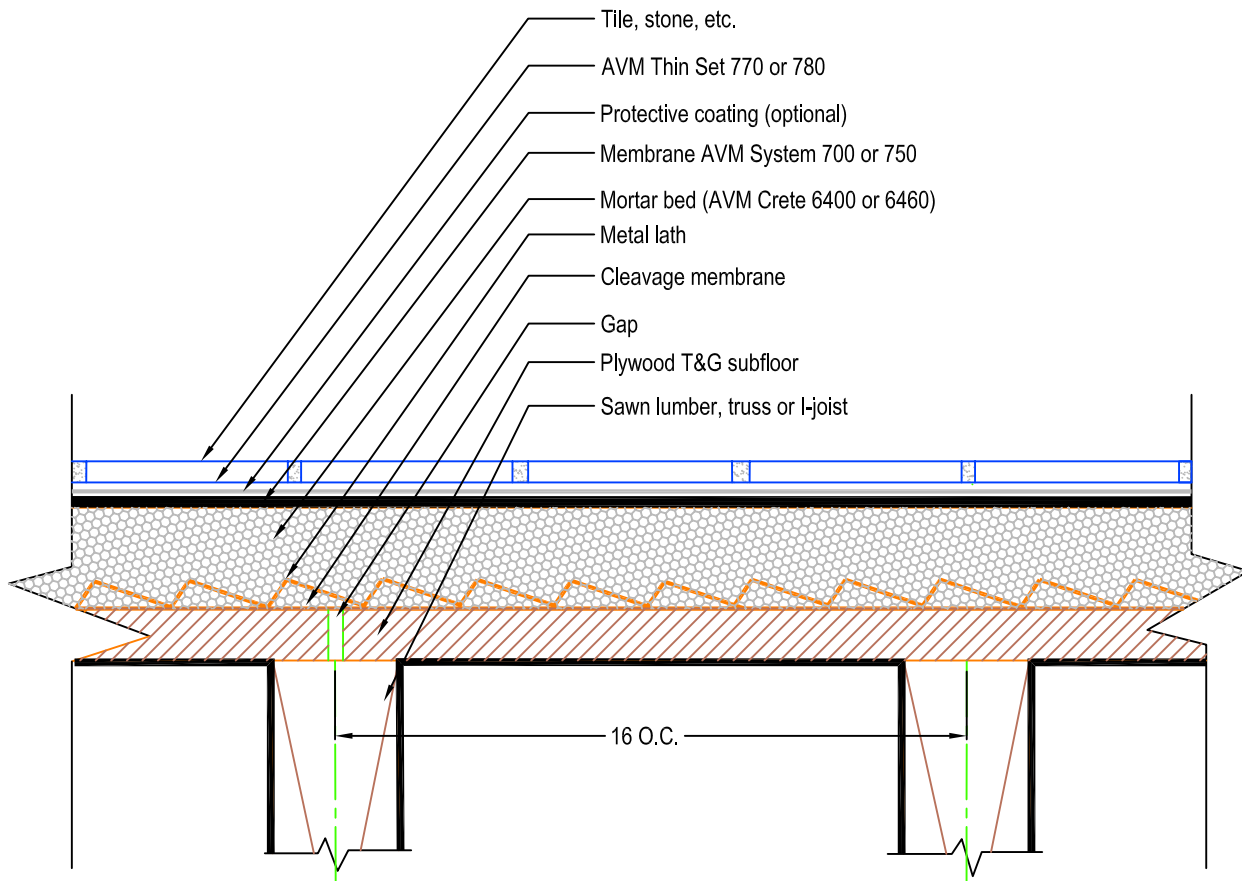
Revision Date: 12/20/2011

DETAIL # :
0700/0750-5542-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors
Over Plywood Subfloor,
16 Inch O.C., Lath Reinforced Mortar Bed
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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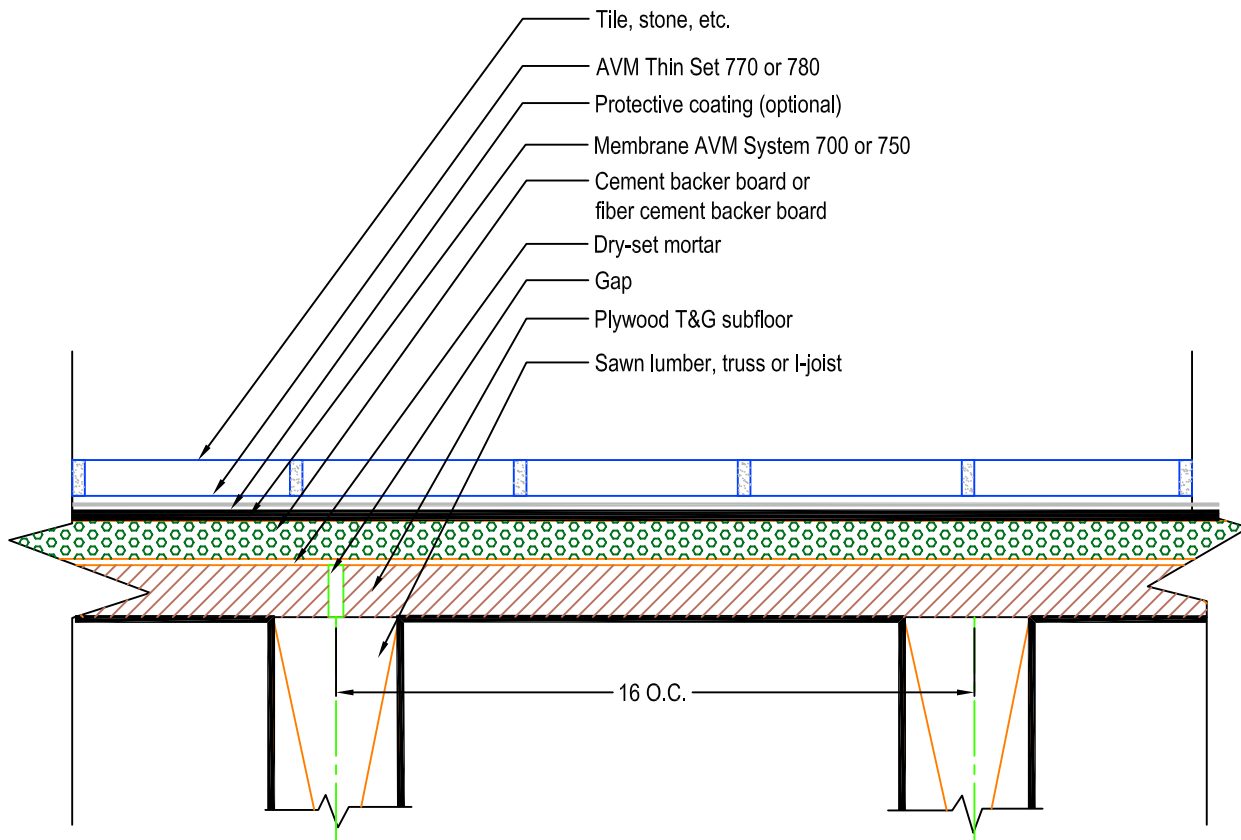
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DETAIL # :
0700/0750-5582-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors over
Plywood Subfloor, 16 Inch O.C.,
Cement or Fiber-Cement Backer Board
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12, 13.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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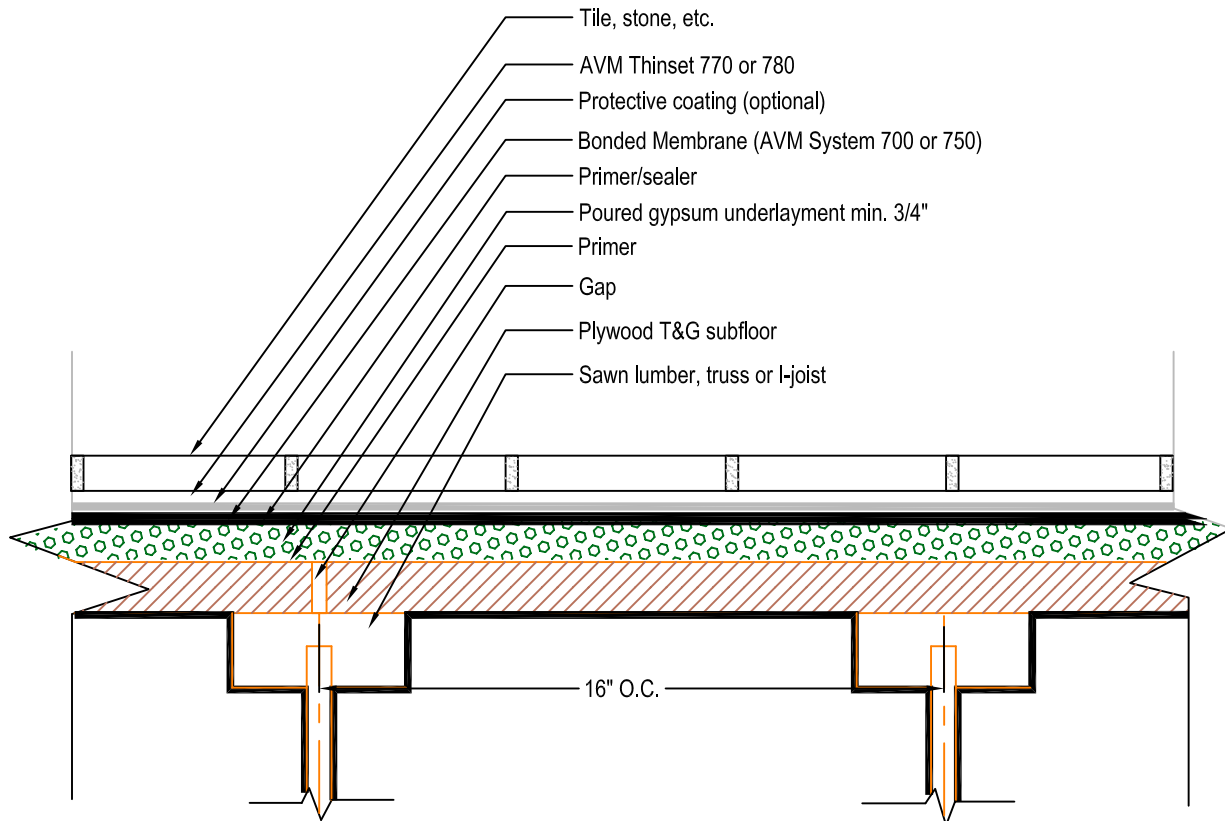
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DETAIL # :
0700/0750-5702-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors over
Plywood Subfloor, 16 Inch O.C.,
Poured Gypsum Underlayment
AVM Systems 700/750



Notes:

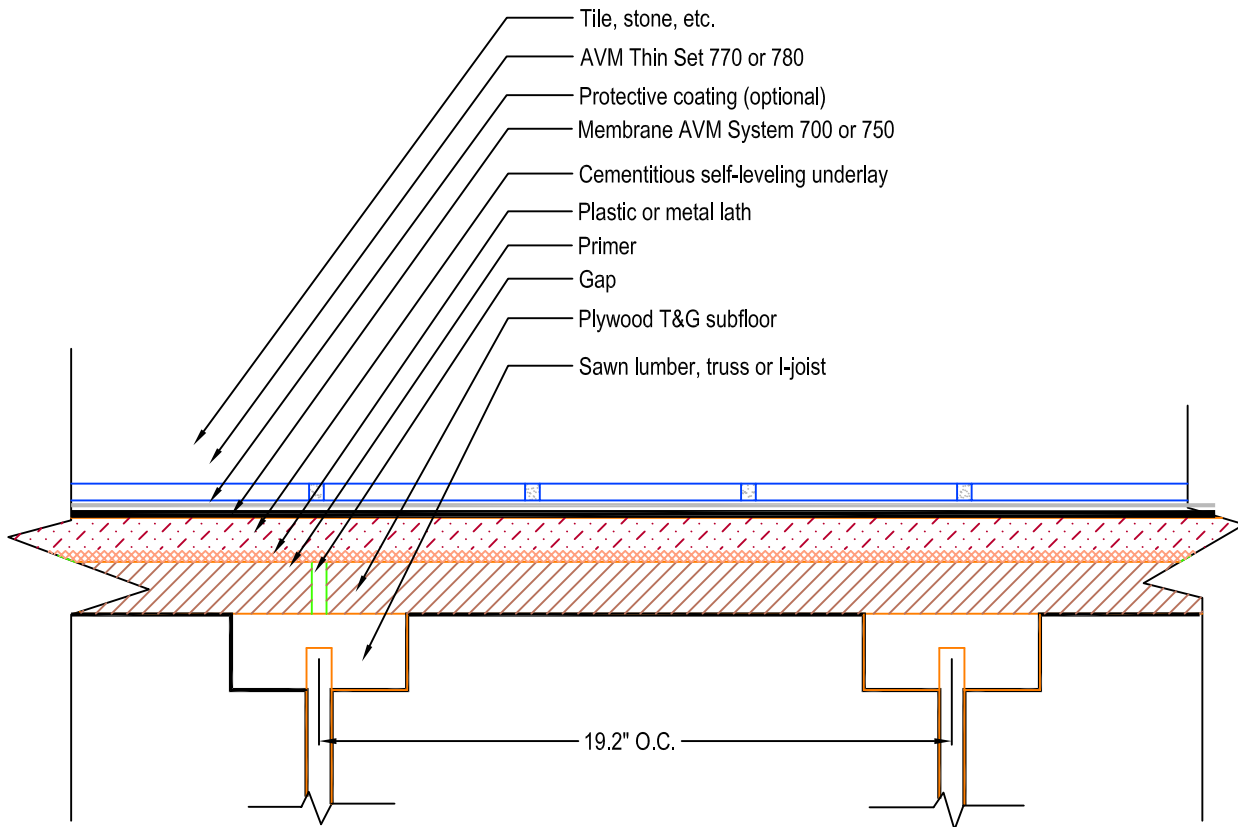
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-5752-WF-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors over
Plywood Subfloor, 19.2 Inch O.C.,
Cementitious Self-Leveling Underlayment
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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FILE NAME: 0700-0750-5752-WF-Tile-Assembly-over-Plywood-Subfloor-Joists-19-Inch-OC-over-Cementitious-Self-Leveling-Underlayment-CS-TXR

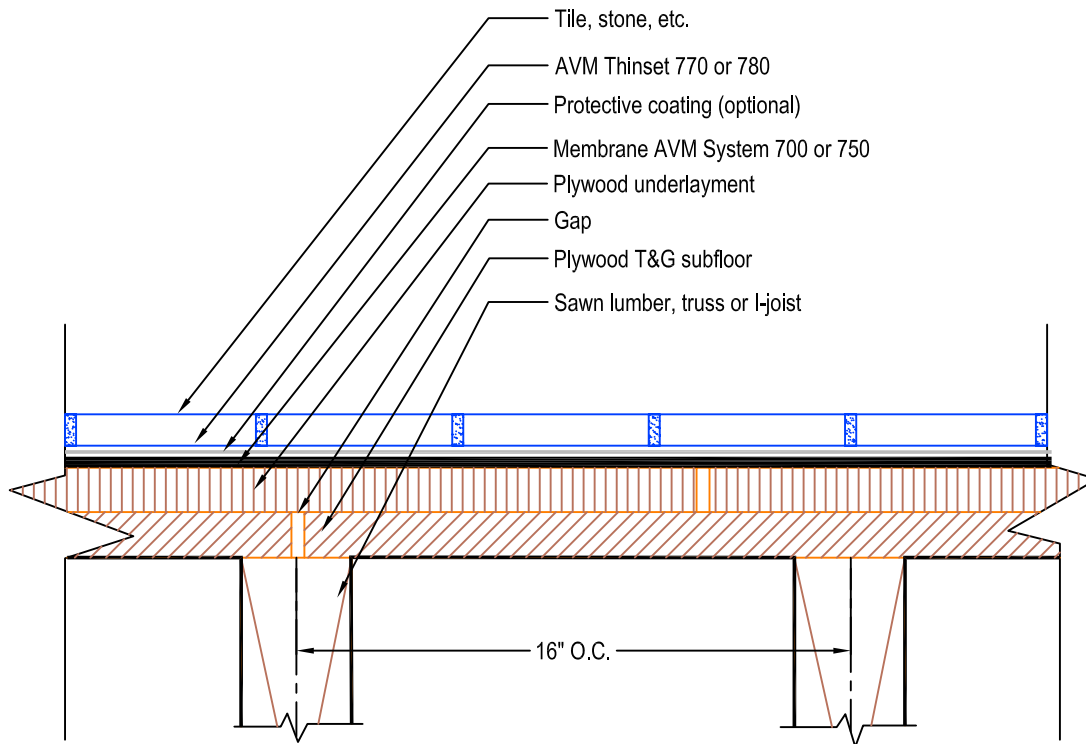
TXR-F185-11-ASR

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Revision Date: 12/13/2011

DETAIL # :
0700/0750-5782-WF-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors over
Plywood Subfloor, 16 Inch O.C.,
Plywood Underlayment
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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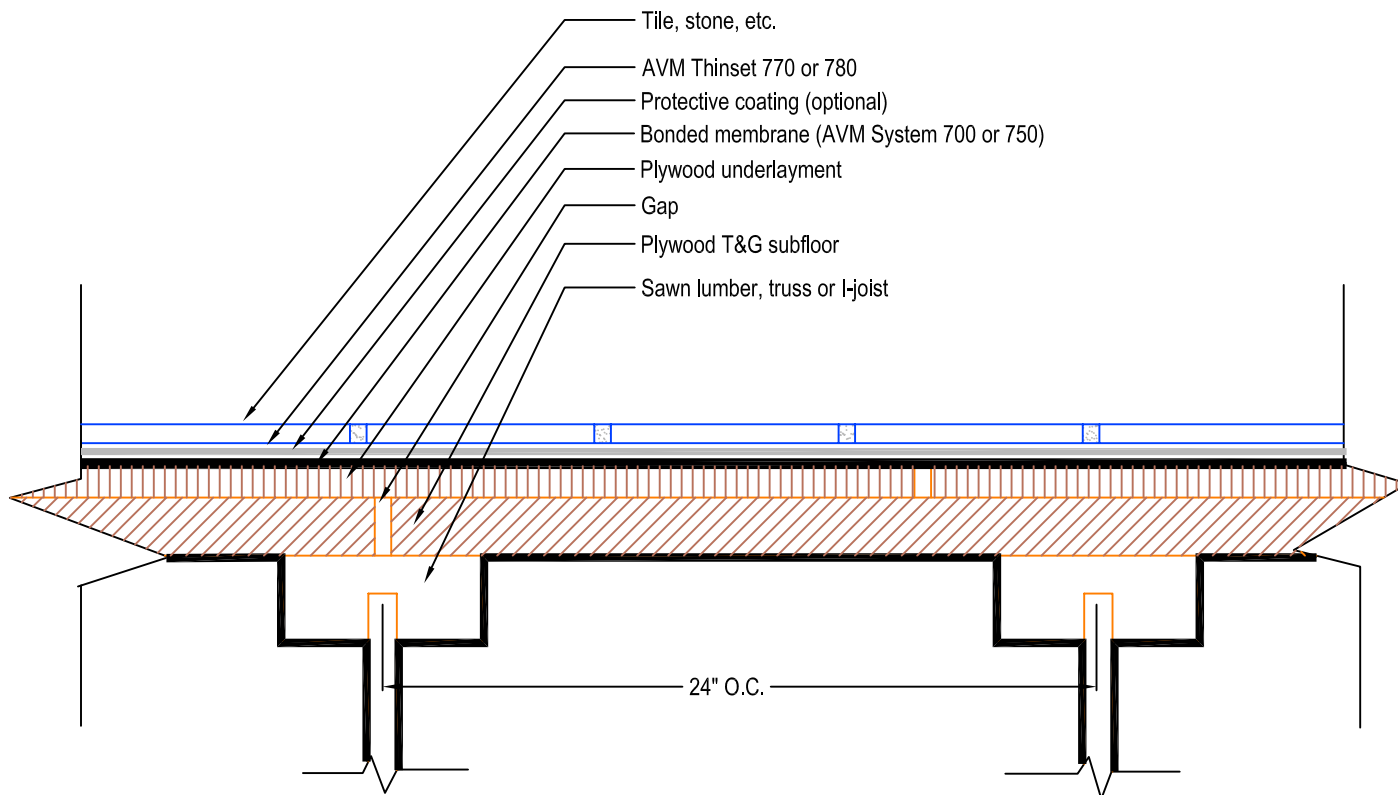
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DETAIL # :
0700/0750-5802-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors over
Plywood Subfloor, 24 Inch O.C.,
Plywood Underlayment
AVM Systems 700/750



Notes:

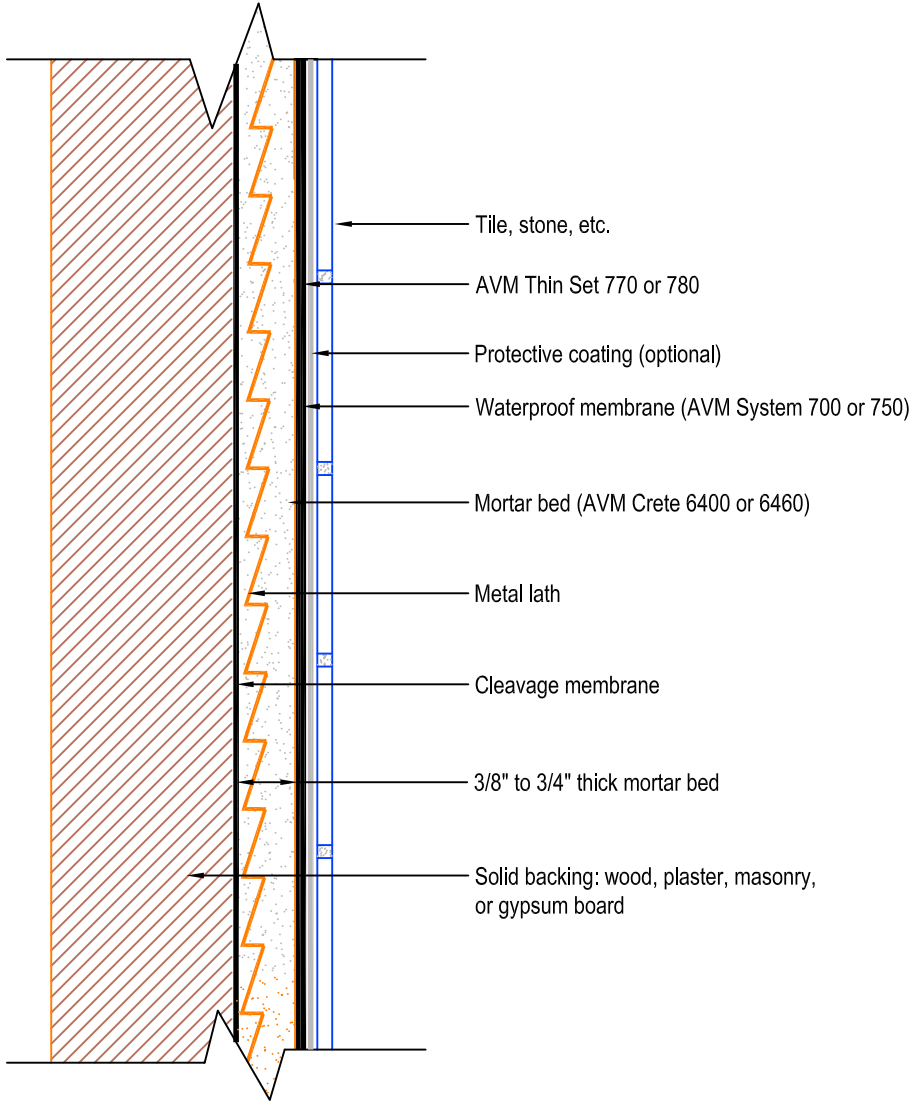
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :	0700/0750-6002-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

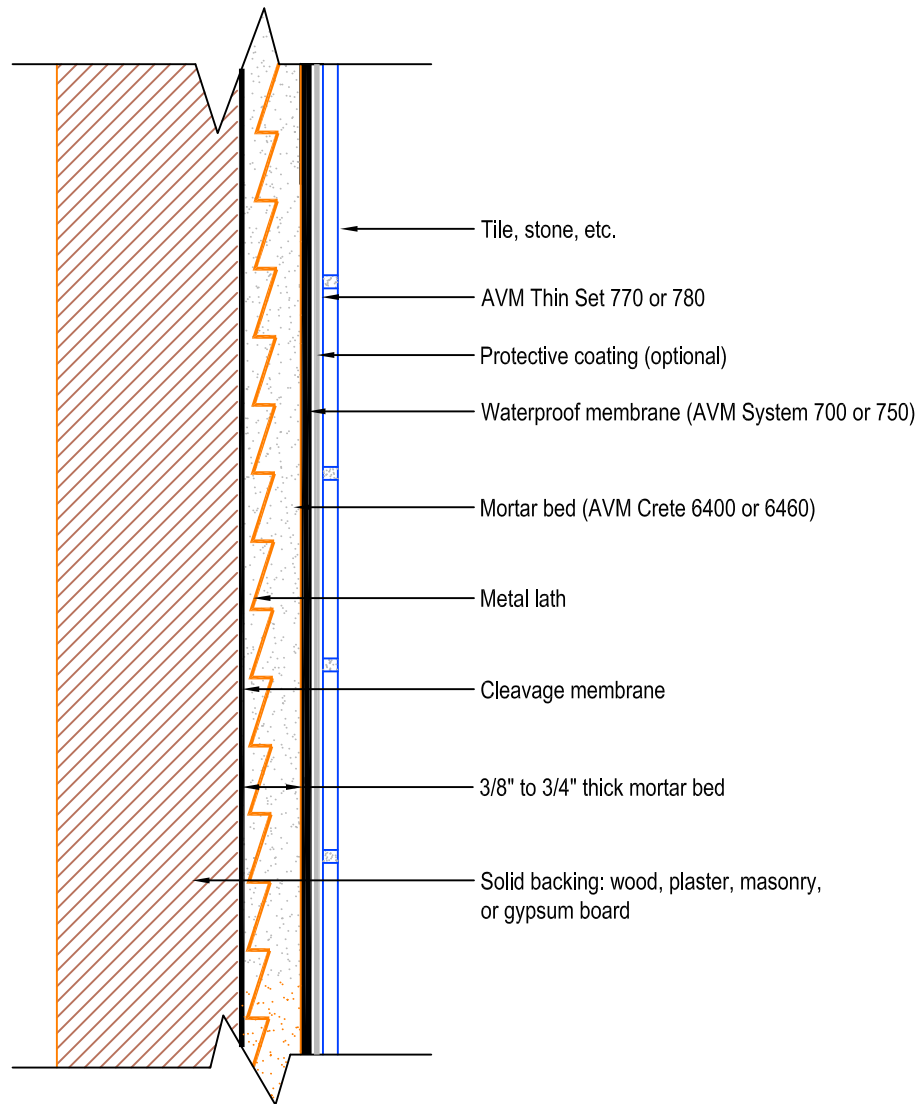
**Tile Assembly, Interior Walls
Over Solid Backing Mortar Bed**
AVM Systems 700/750



- Notes:**
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 8, 9.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
0700/0750-6004-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Interior Walls over Solid Backing Mortar Bed,
(One Coat Method)
AVM Systems 700/750



Notes:

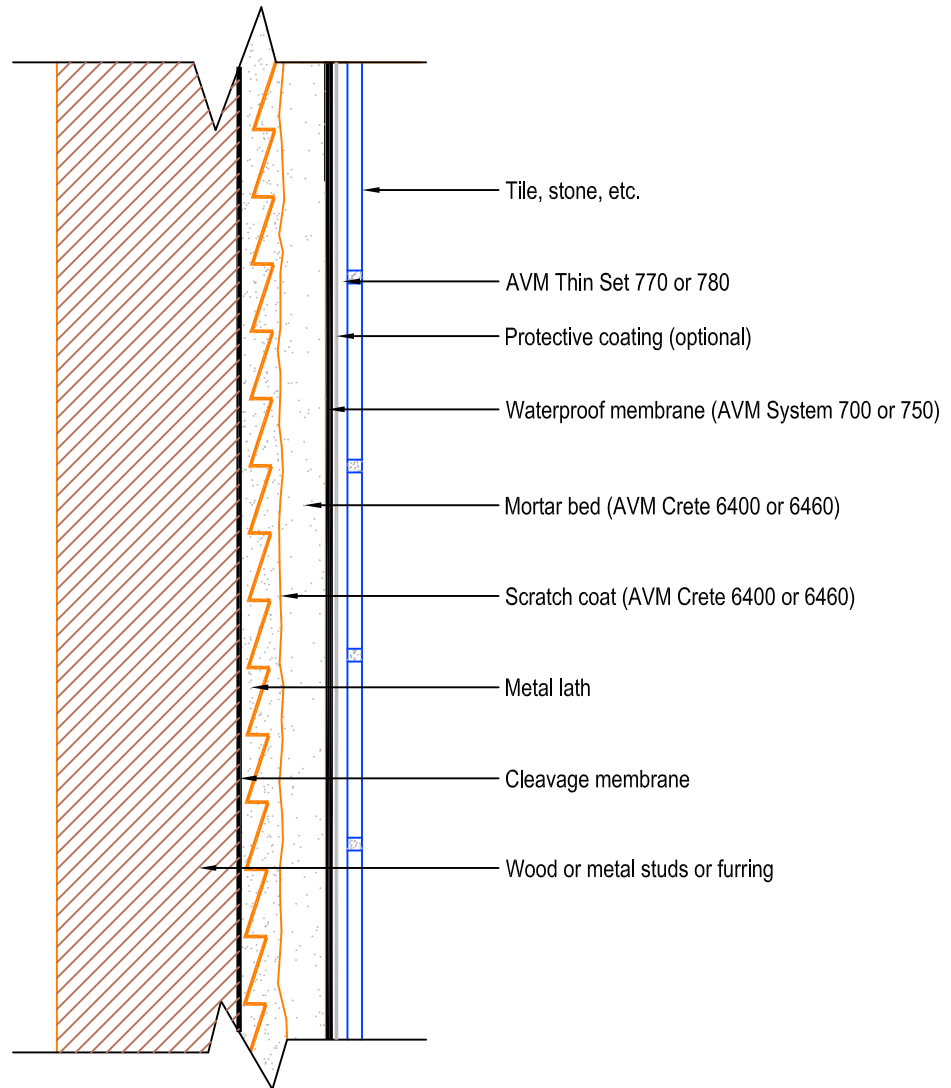
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 8, 9.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-6102-WF-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Interior Walls over Wood or Metal Studs,
Mortar Bed,
AVM Systems 700/750



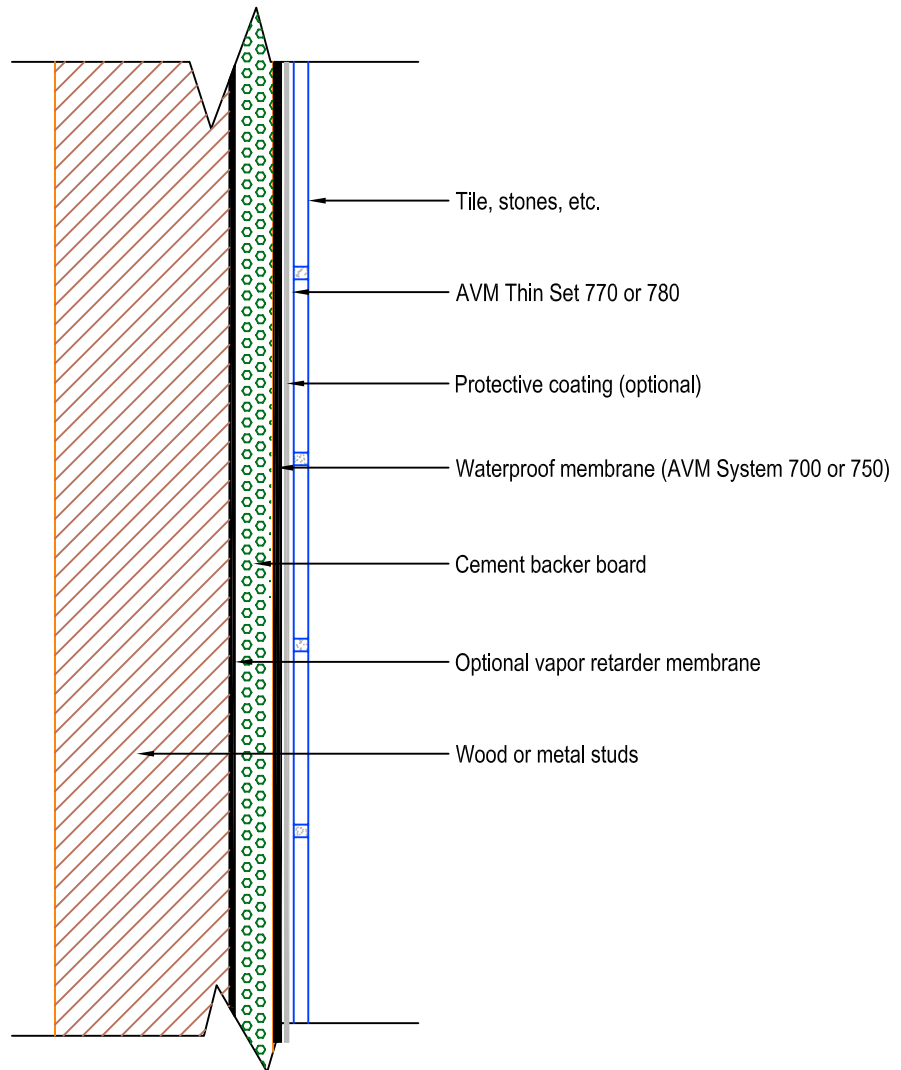
- Notes:**
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 8, 9.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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Quality Waterproofing Products

DETAIL # :
0700/0750-6162-WF-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Interior Walls over Wood or Metal Studs,
Cement Backer Board,
AVM Systems 700/750



Notes:

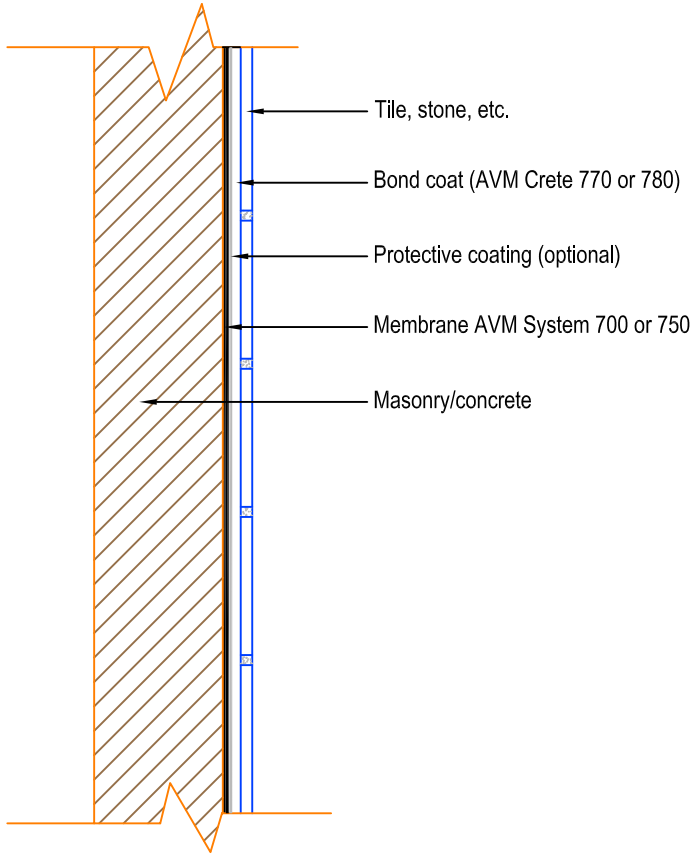
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 9, 13.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :	0700/0750-6302-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

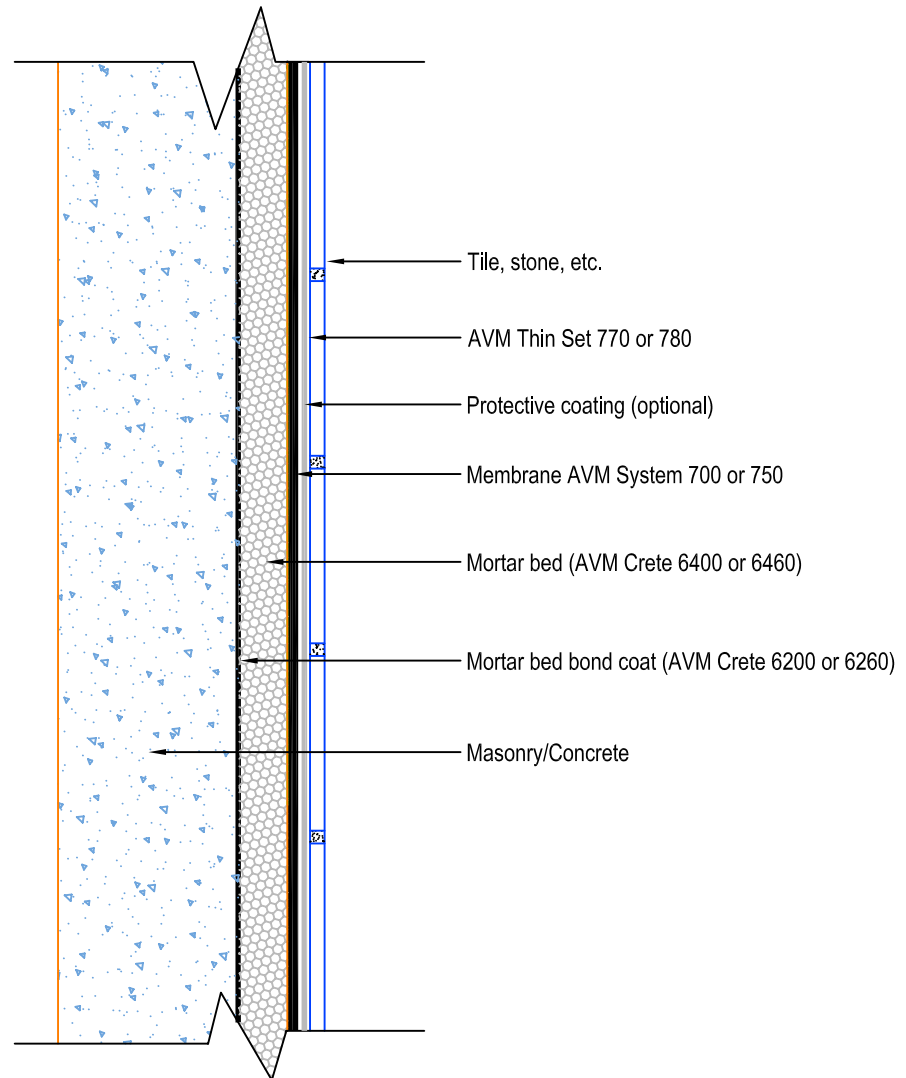
Tile Assembly,
Interior Walls over Masonry or Concrete
AVM Systems 700/750



- Notes:**
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 9.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
0700/0750-6322-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Walls
Over Masonry or Concrete,
Bonded Mortar Bed,
AVM Systems 700/750



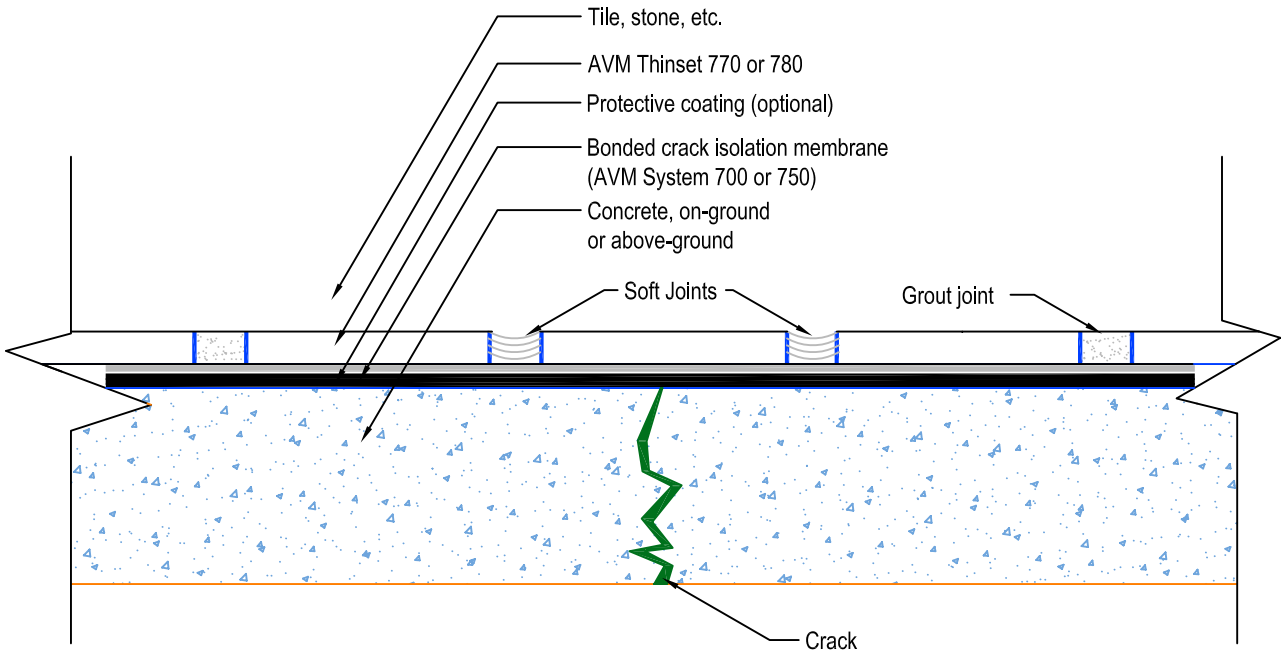
- Notes:**
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 8, 9.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :	0700/0750-7502-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

**Tile Assembly, Interior Floors,
Crack Isolation Membrane, Full Coverage**
AVM Systems 700/750



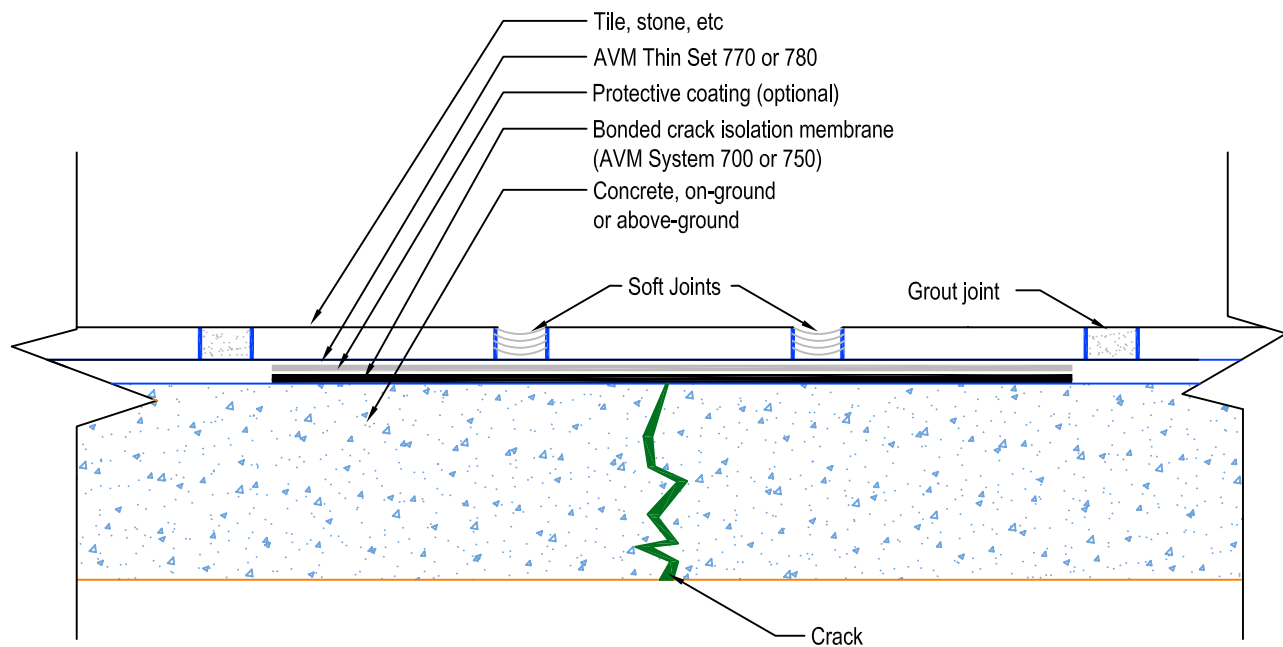
- Notes:**
1. See AVM tile detail notes sheet for notes 2, 4, 5, 6, 7, 15.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
0700/0750-7552-C

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors,
Crack Isolation Membrane, Partial Coverage
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 2, 4, 5, 6, 7, 15.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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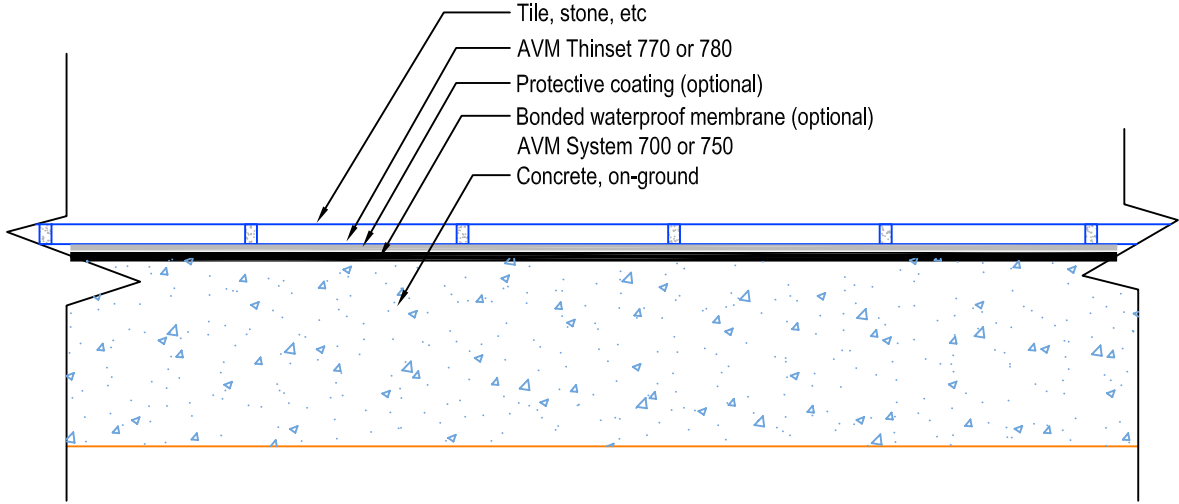


Tile Detail Notes

1. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. AVM System 700, breathable, fully reinforced, UV stable, acrylic membrane. ICC ESR-2662, LARR 25431, LARR M-050065. Although either membrane may be used, for this type of application, AVM recommends using the AVM System 750. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
2. AVM System 700, breathable, fully reinforced, UV stable, acrylic membrane. ICC ESR-2662, LARR 25431, LARR M-050065. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. Although either membrane may be used, for this type of application, AVM recommends using the AVM System 700. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
3. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. AVM System 700, breathable, fully reinforced, UV stable, acrylic membrane. ICC ESR-2662, LARR 25431, LARR M-050065. Either membrane may be used, for this type of application. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
4. The substrate surfaces must be structurally sound, clean, and dry, free of contamination, and prepared according to AVM's Installation Instructions and industry standards. When installing AVM's membranes on slabs on grade and/or hard to bond surfaces, use AVM's epoxy primer.
5. AVM recommends all parties to consult approved resources and design professionals to ensure a complete and proper assembly.
6. Please refer to the TCNA® Handbook for Ceramic Tile Installation and AVM's current data sheets and documentation for complete instructions and application limitations.
7. When installation is over slabs on grade, (on-ground concrete), installation of a waterproofing membrane is optional. If a membrane will be installed, verify moisture! If moisture exceeds 3 Lbs using a calcium chloride test, or exceeds other acceptable standards, consult with AVM prior to proceeding with installation. If a membrane will not be installed, the "Protective Coating" is not needed either.
8. Mortar Beds: The following mortar beds are recommended: AVM Crete 6400 (best) or AVM Crete 6460. Mortar beds must achieve a minimum of 2,000 PSI and be installed per TCNA's standards. When installed over and bonded directly to concrete substrates (excluding light weight concrete substrates) the mortar bed may be un-reinforced. (If installing over 1.25" thick, reinforce with 2"x2" wire). When installed over wood floor substrates and/or as a non-bonded mortar bed, the mortar bed needs to be fully reinforced with Metal Lath 2.5 (aka Diamond Lath, min 2.5 Lbs/Sq.Yard) and be a min of 1.25 inches thick to create rigidity. Mortar beds (concrete float) installed over and bonded to concrete/block walls do not need to be reinforced. Mortar beds (concrete float) installed over Wood and other substrates should be reinforced with metal lath 2.5. (These recommendations are based on using AVM Crete 6400 or 6460, high-performance polymer modified mortar beds)
9. Reinforcement: AVM System 750: AVM recommends to reinforce the membrane in the following areas by embedding AVM Mat 800 into the membrane: At all corners (such as wall-to-wall and wall-to-floor corners), at drains, all penetrations and any transition in the surface plain. Reinforcement: AVM System 700: AVM System 700 is fully reinforced. Extra reinforcement (double fabric) at corners and other critical areas is optional. Refer to each system's installation instructions for further details.
10. Roof Membranes: Roof membranes (also referred to as primary membranes) are often used in exterior roof or deck tile applications when installed over living or usable spaces: These assemblies have two membranes in them. A lower membrane (roof or primary membrane) and an upper membrane (secondary membrane) just below the tile, stone, etc. (the mortar bed separates the two) For the lower membrane (roof or primary membrane) AVM recommends to use AVM System 500 applied at a min 120 mils dry and fully reinforced with AVM Mat 800. Or, you may use other approved roofing membranes. (Consult with roofing membrane manufacturer) If a Drainage Mat is specified,, consult with AVM for Drainage Mat recommendations.
11. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. Only AVM System 750 is recommended for this type of application. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
12. If drainage is a consideration: Verify that proper drains are used. (Tile drains also known as Double Drains/Triple Drains, etc). Also verify that all drains, drainage elevations, sloping and tie-ins are correct.
13. When the terms "Backer-Board" or "Cement Backer Board" or "Fiber Cement Backer Board" or "Coated Glass mat Water-Resistant Gypsum Backer Board" etc, are used, they are not exclusive to a particular manufacturer. Equal Backer Units from multiple manufacturers may be used. Consult your with design professional for more information. All joints/seams, etc, must be fully reinforced with AVM Mat 800.
14. Self Leveling underlayment may be used in lieu of the specified underlayment.
15. Anti-Fracture: Anti-Fracture membranes must be fully reinforced with fabric to work properly. If installing AVM System 700, it's already fully reinforced, so no additional reinforcement is required. If installing AVM System 750, it has no reinforcement except at corners and other critical areas. Therefore, fabric must be embedded in the entire membrane. Use AVM Mat 800 for reinforcement. If the sole purpose of the membrane installation is for crack isolation, then refer to the "Crack Isolation (Anti-Fracture) Details" for additional installation information.
16. Shower receptors, curbs, seats, etc, must be properly waterproofed and installed to avoid water damage to adjacent building materials.

DETAIL # :	0700/0750-5002-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

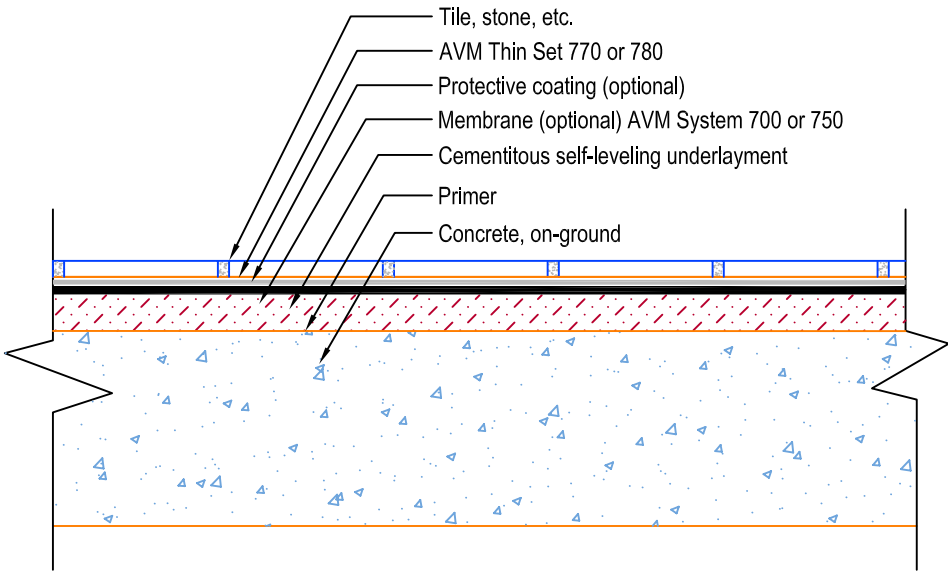
Tile Assembly,
 Interior Floors over Slabs on Grade,
AVM Systems 700/750



- Notes:**
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 7, 12.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :	0700/0750-5022-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

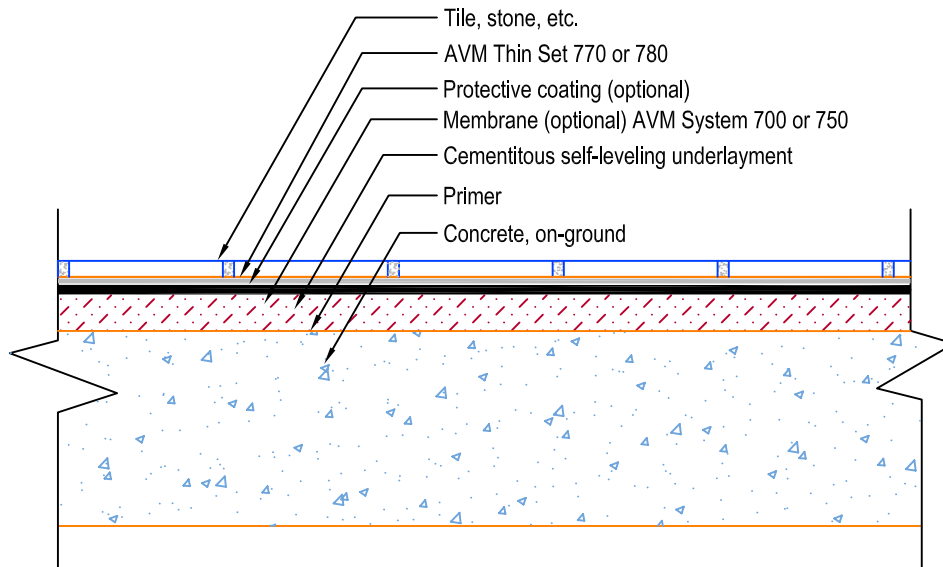
**Tile Assembly,
Interior Floors over Slabs on Grade,
Cementitious Self Leveling Underlayment**
AVM Systems 700/750



- Notes:**
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 7, 12,14.
 2. AVM Epoxy Primer is recommended
 3. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
0700/0750-5042-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Interior Floors over Slabs on Grade,
Poured Gypsum Underlayment
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 7, 12.
2. AVM Epoxy Primer is recommended
3. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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FILE NAME: 0700-0750-5042-C-Tile-Assembly-over-Slab-on-Grade-over-Gypsum-Underlayment-CS-TXR

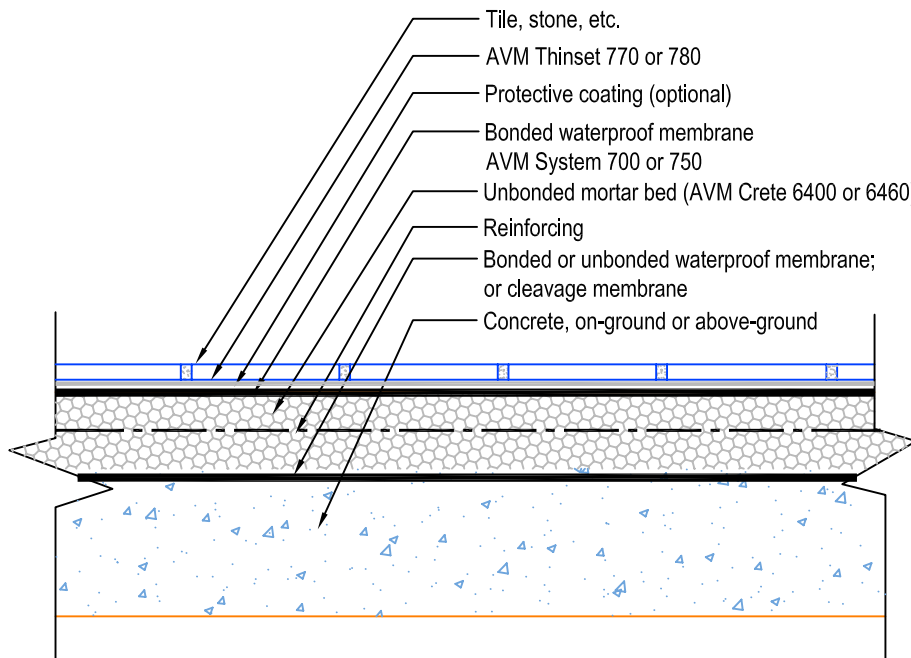
TXR-F200-11-ASR

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Revision Date: 12/13/2011

DETAIL # :
0700/0750-5202-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Interior Floors over Slabs on Grade
or Elevated Slabs, over Unbonded Mortar Bed,
with Bonded Waterproof Membrane,
AVM Systems 700/750



Notes:

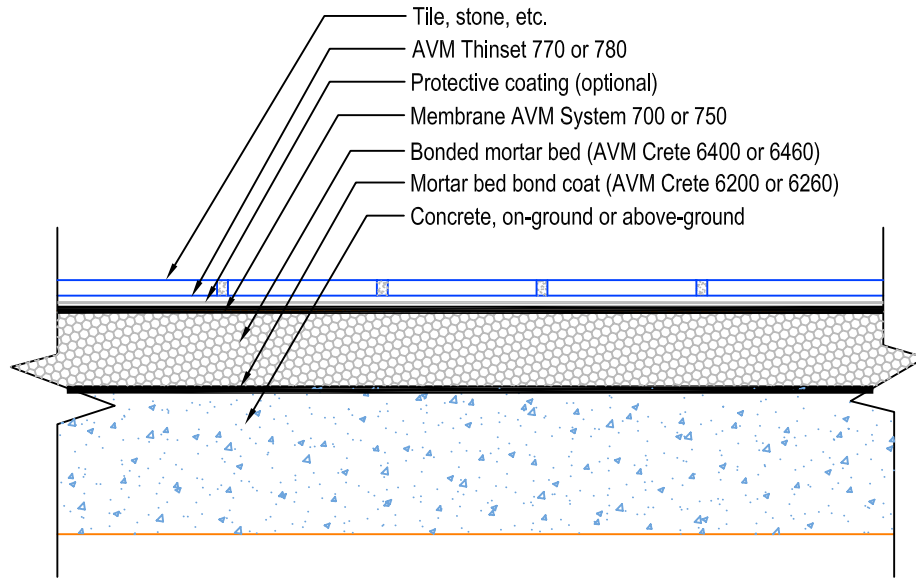
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 7, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-5212-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

**Tile Assembly, Interior Floors over Slabs
on Grade or Elevated Slabs,
over Bonded Mortar Bed,
with Bonded Waterproof Membrane
AVM Systems 700/750**



Notes:

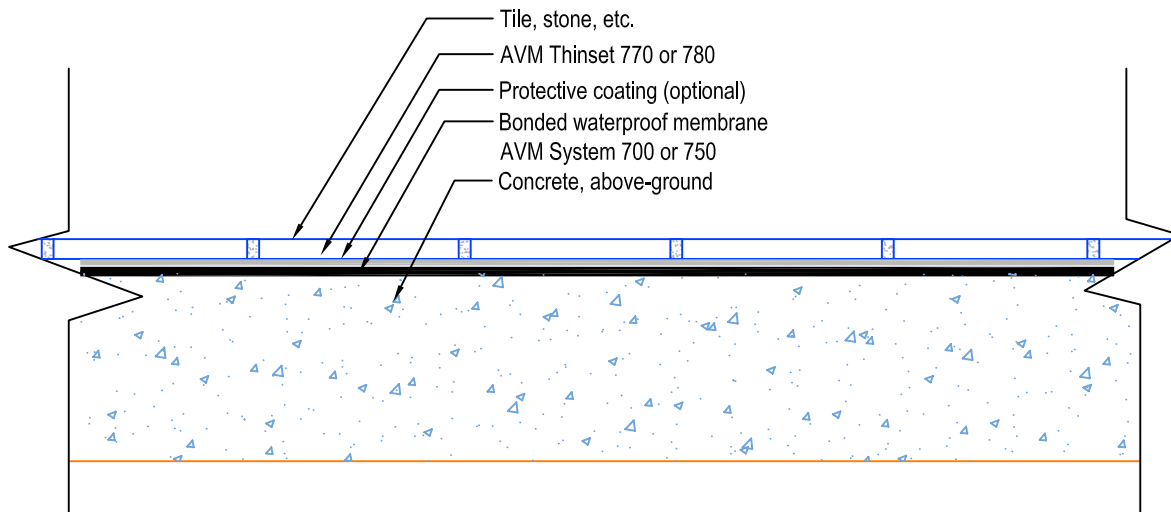
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 7, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-5302-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Interior Floors over Elevated Slabs,
Over Bonded Waterproof Membrane
AVM Systems 700/750



Notes:

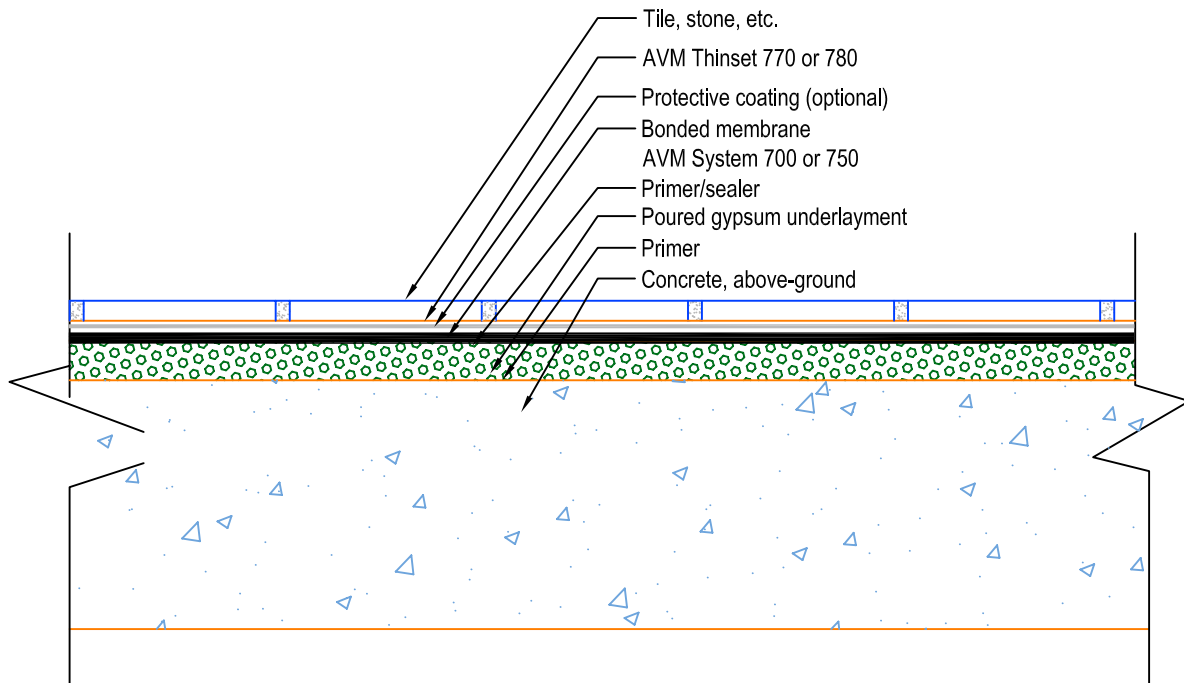
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-5322-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

**Tile Assembly, Interior Floors
over elevated Slabs, Poured Gypsum
Underlayment, With Bonded
Waterproof Membrane
AVM Systems 700/750**



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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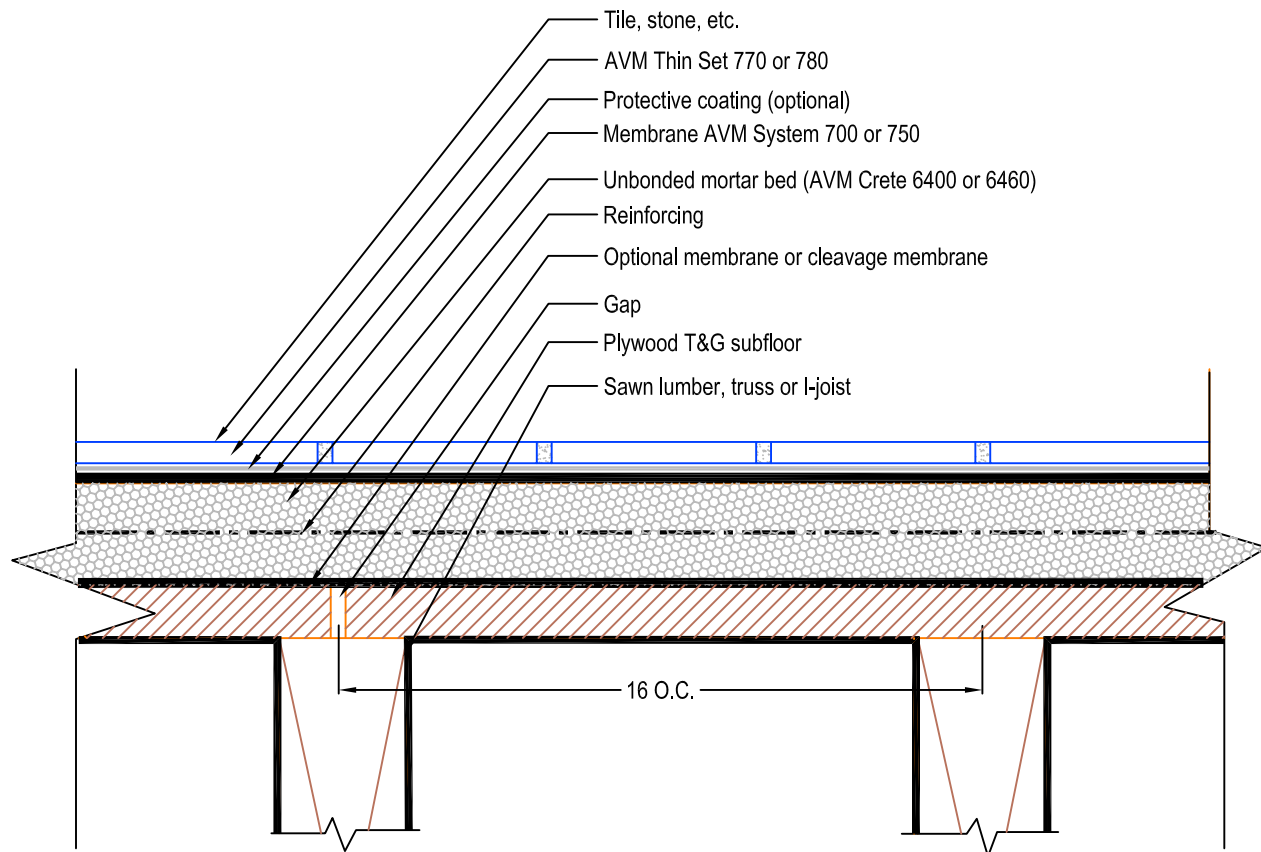
888.414.1041 818.888.0050
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DETAIL # :
0700/0750-5502-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors over
Plywood Subfloor, 16 Inch O.C.,
Wire Reinforced, Unbonded Mortar Bed
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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FILE NAME: 0700-0750-5502-WF-Tile-Assembly-over-Plywood-Subfloor-Joists-16-Inch-OC-over-Wire-Reinforced-Unbonded-Mortar-Bed-CS-TXR
TXR-F141-11-ASR

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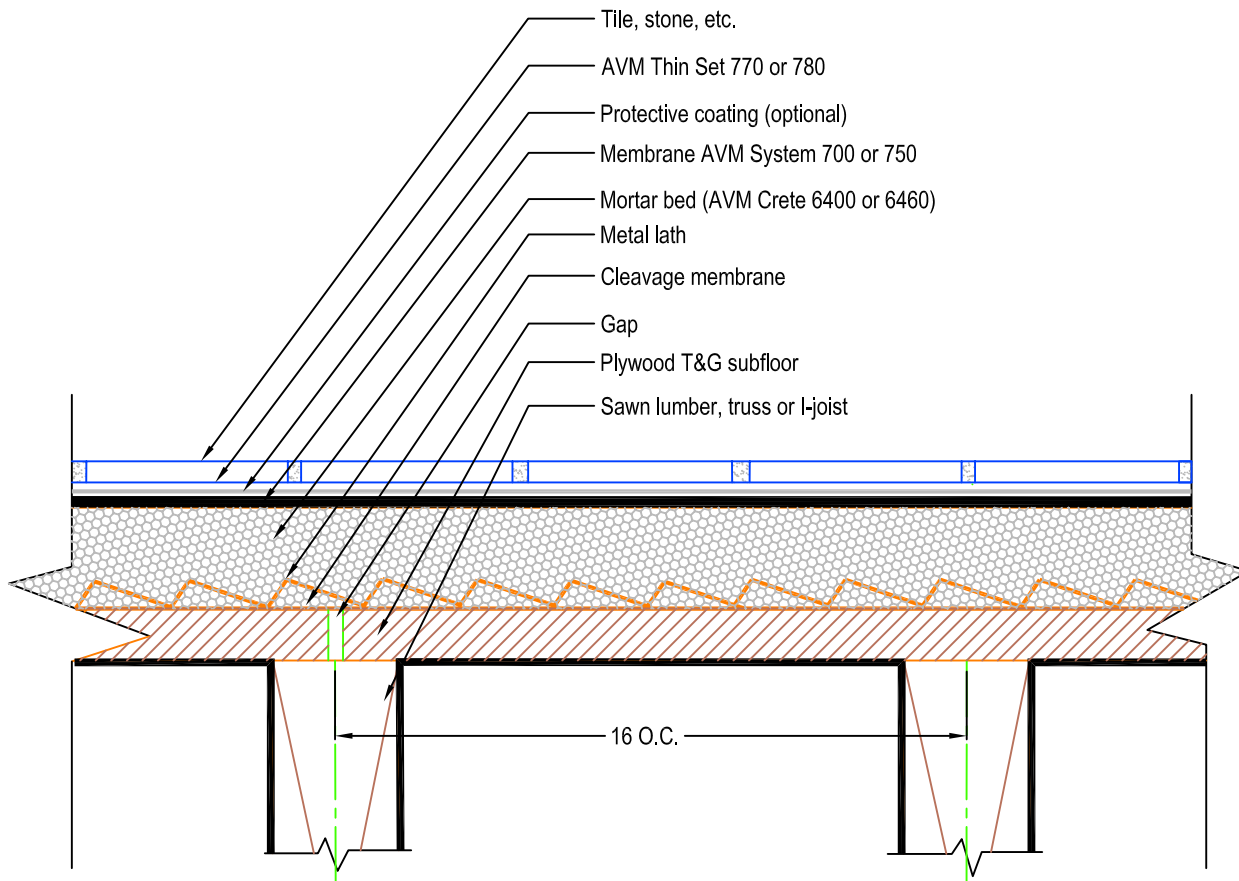
Revision Date: 12/20/2011

DETAIL # :
0700/0750-5542-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors
Over Plywood Subfloor,
16 Inch O.C., Lath Reinforced Mortar Bed
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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FILE NAME: 0700-0750-5542-WF-Tile-Assembly-over-Plywood-Subfloor-Joists-16-Inch-OC-over-Lath-Reinforced-Mortar-Bed-CS-TXR
TXR-F145-11-ASR

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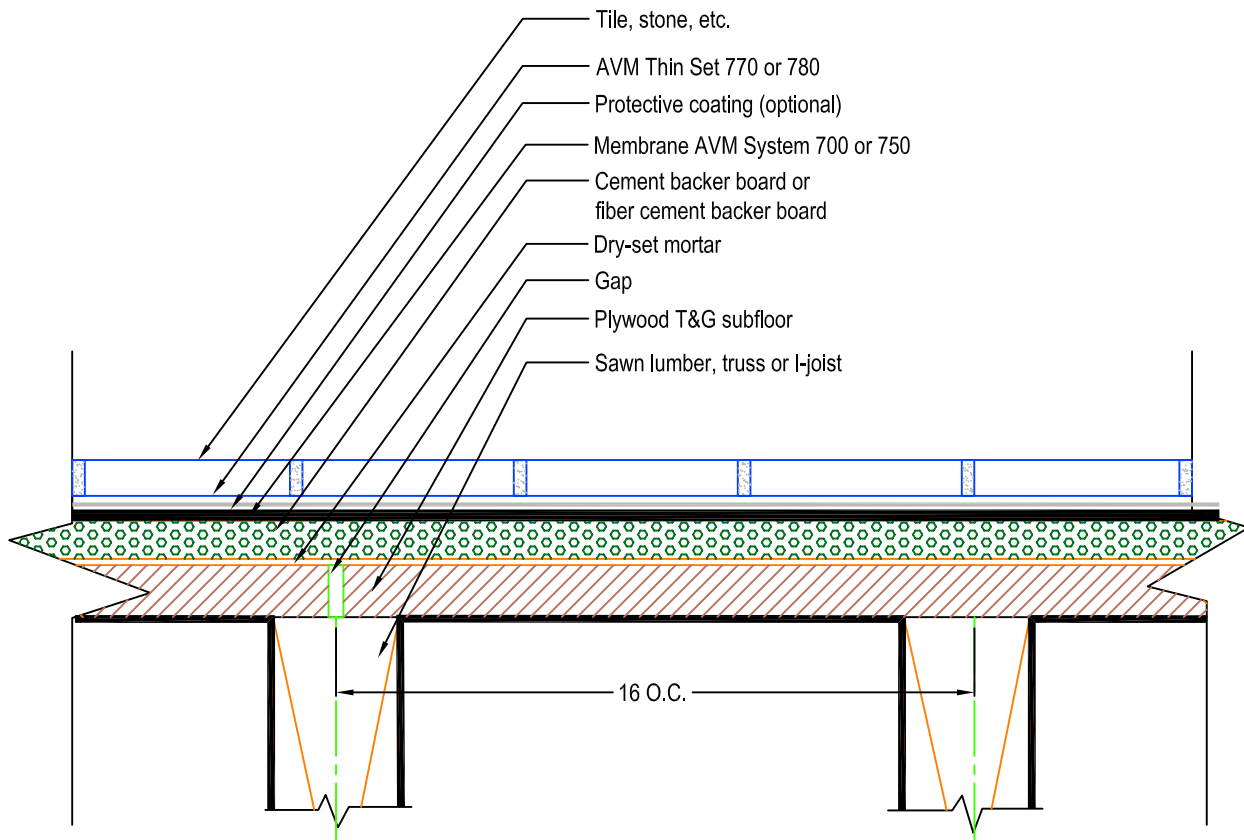
Revision Date: 12/20/2011

DETAIL # :
0700/0750-5582-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors over
Plywood Subfloor, 16 Inch O.C.,
Cement or Fiber-Cement Backer Board
AVM Systems 700/750



Notes:

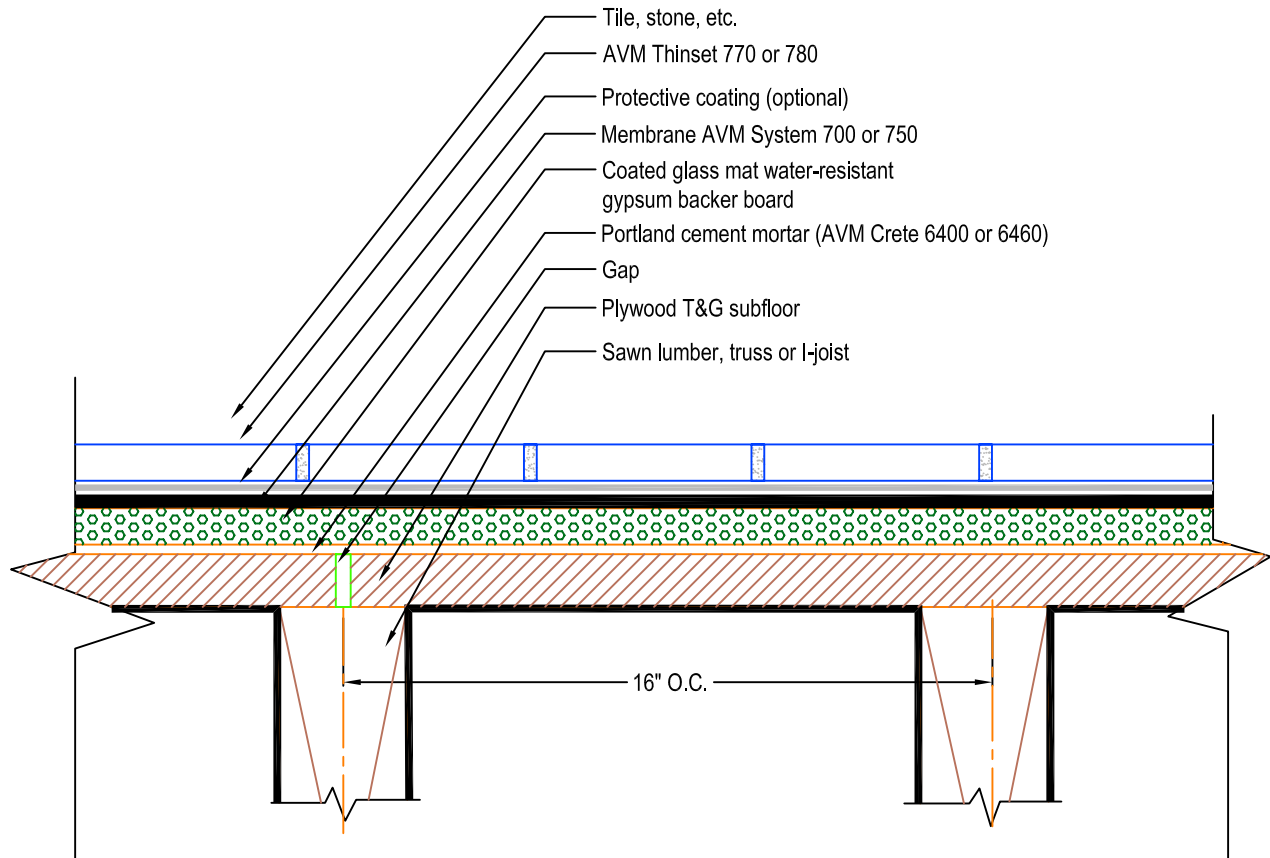
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12, 13.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
 0700/0750-5622-WF-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

**Tile Assembly, Interior Floors over
 Plywood Subfloor, 16 Inch O.C.,
 Coated Glass Mat Water Resistant
 Gypsum Backer Board,
 AVM Systems 700/750**



Notes:

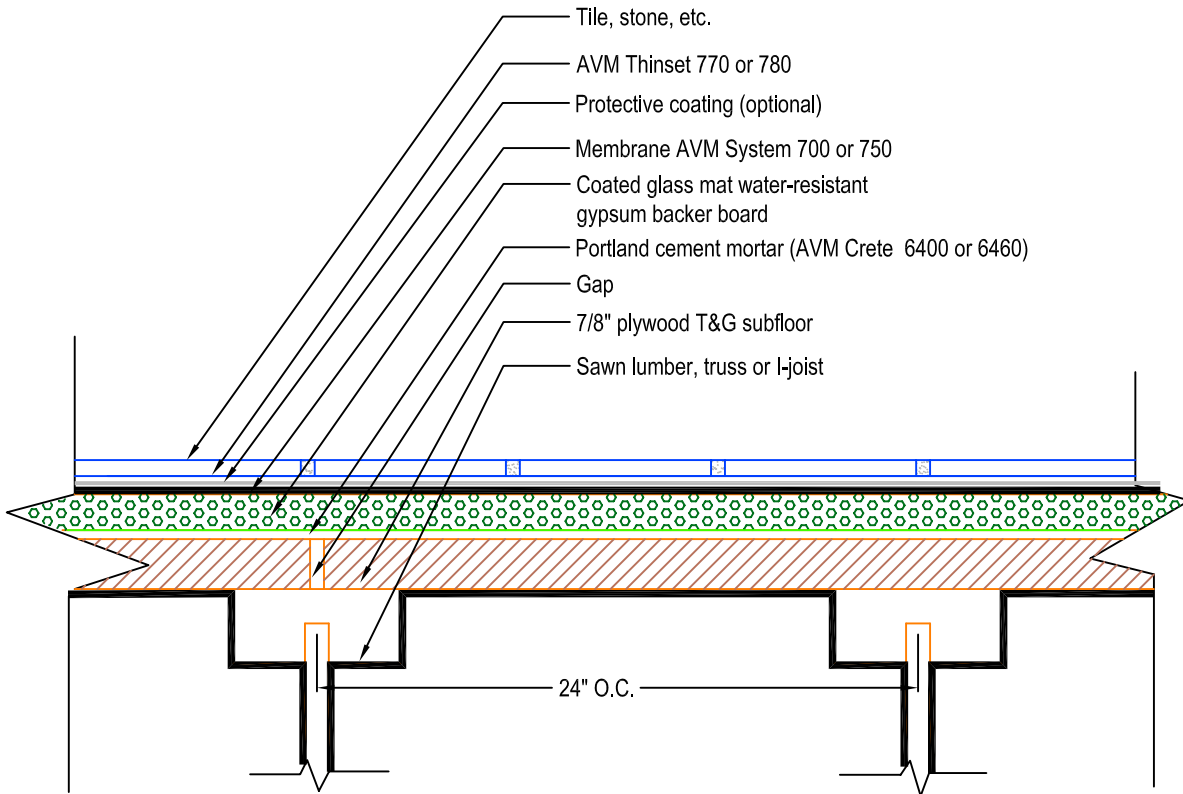
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12, 13.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-5642-WF-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

**Tile Assembly, Interior Floors over
Plywood Subfloor, 24 Inch O.C.,
Coated Glass Mat Water Resistant
Gypsum Backer Board
AVM Systems 700/750**



Notes:

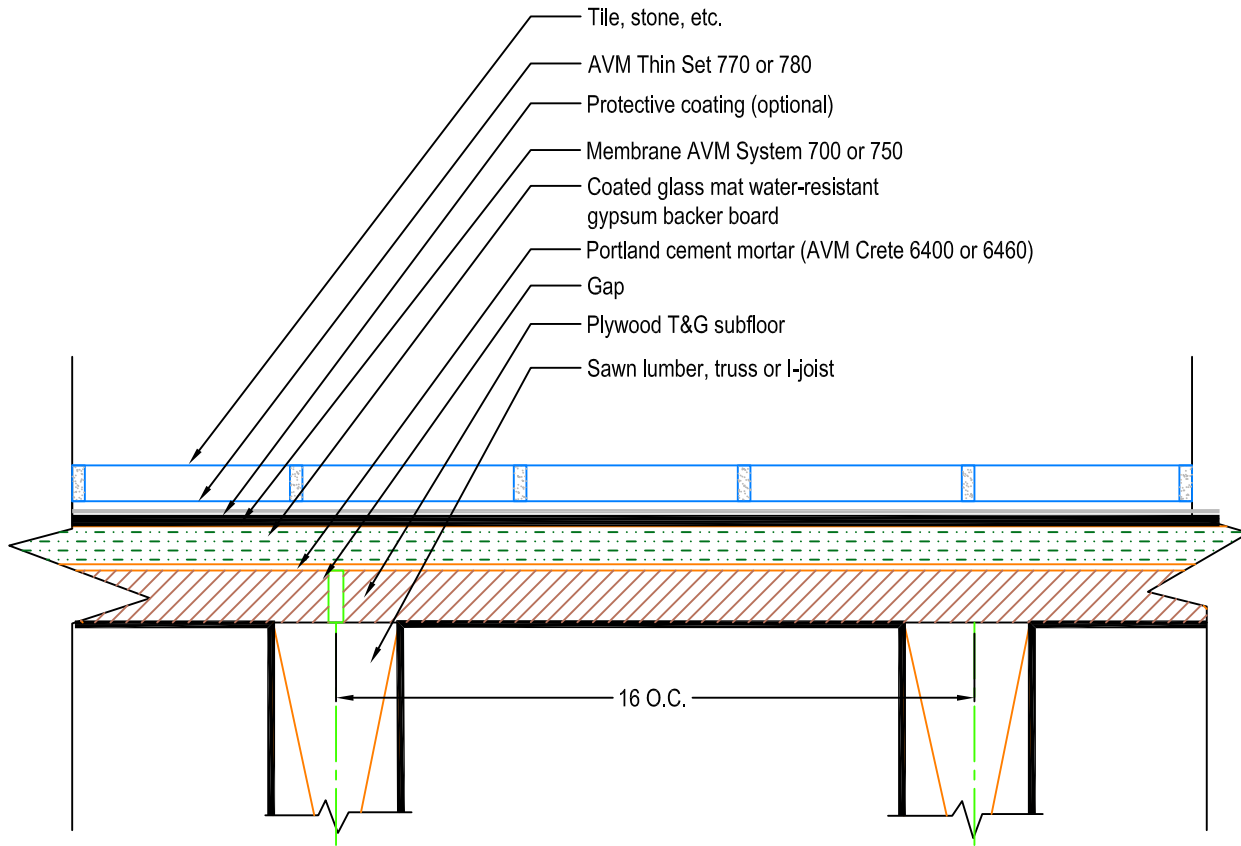
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12, 13.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
 0700/0750-5662-WF-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

**Tile Assembly, Interior Floors over
 Plywood Subfloor, 16 Inch O.C.,
 Fiber Reinforced Water
 Resistant Gypsum Backer Board,
 AVM Systems 700/750**



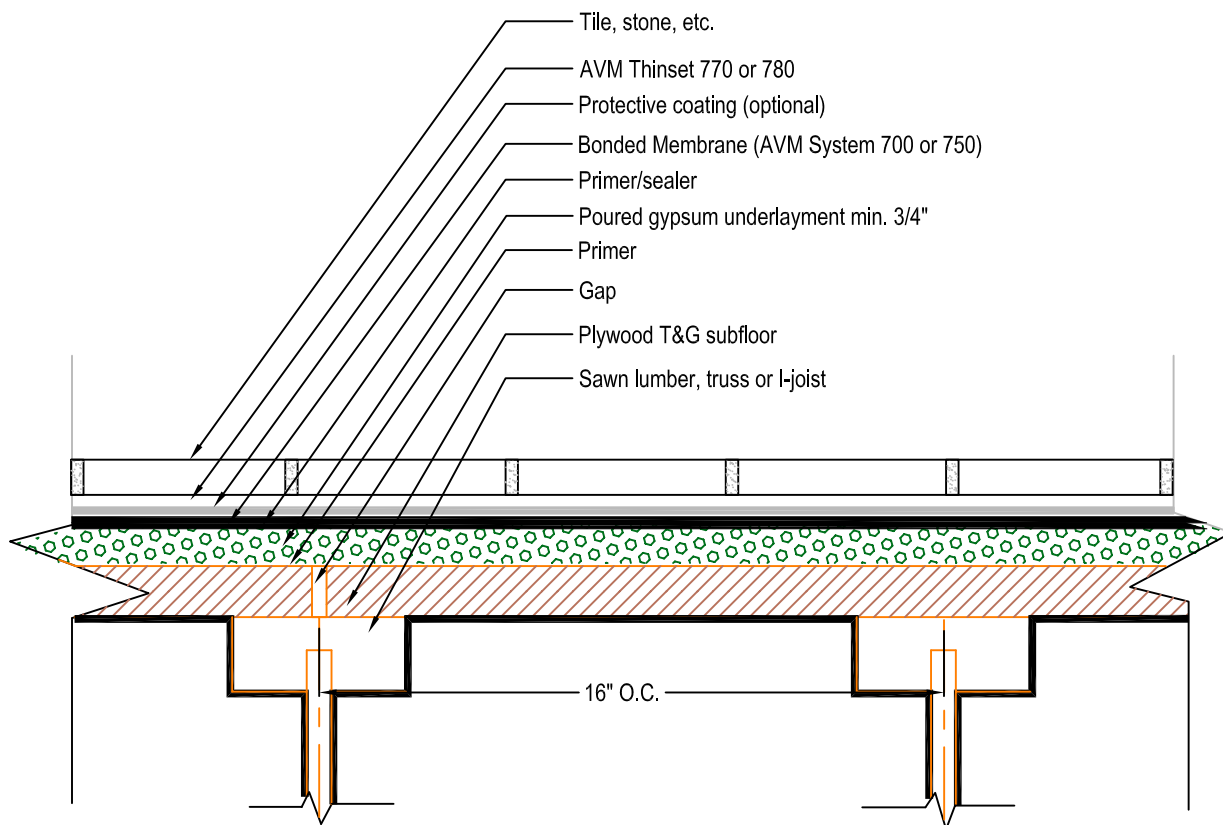
- Notes:**
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12, 13.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
0700/0750-5702-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors over
Plywood Subfloor, 16 Inch O.C.,
Poured Gypsum Underlayment
AVM Systems 700/750



Notes:

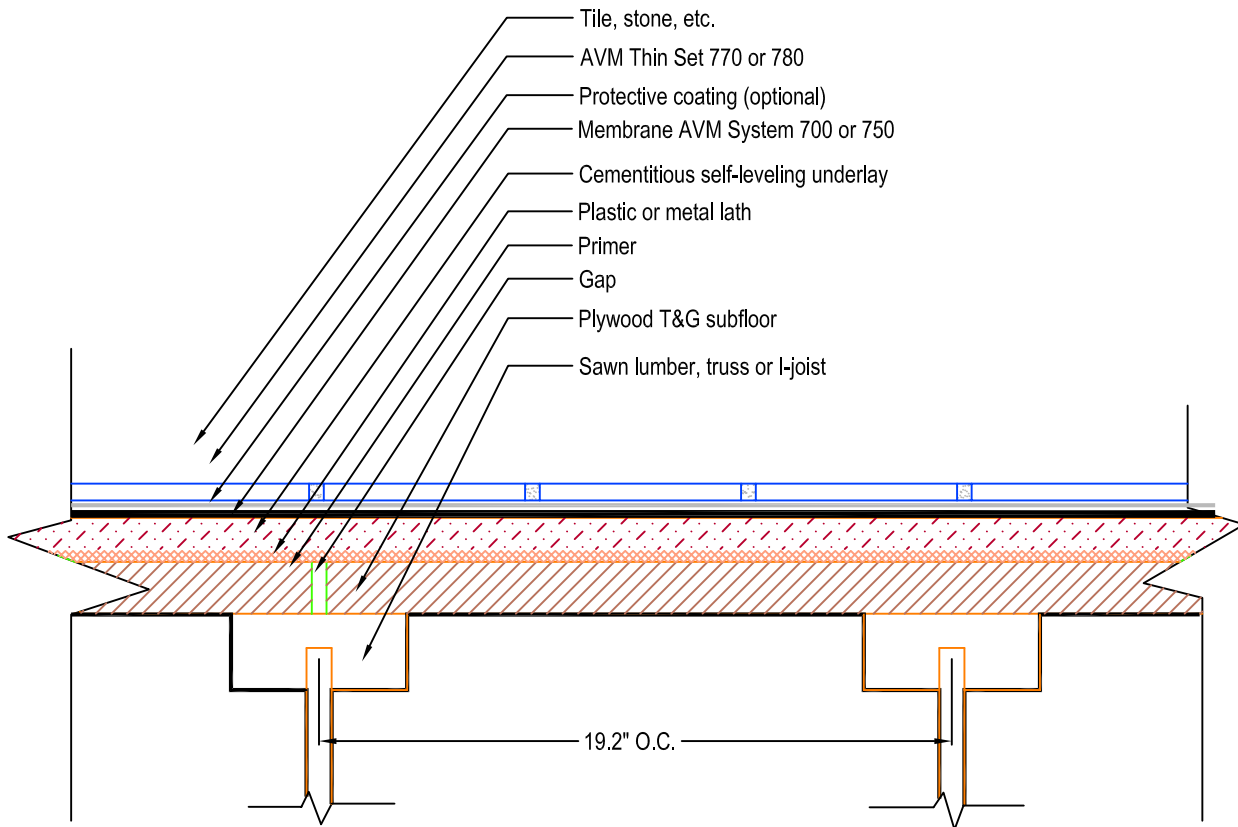
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
 0700/0750-5752-WF-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

**Tile Assembly, Interior Floors over
 Plywood Subfloor, 19.2 Inch O.C.,
 Cementitious Self-Leveling Underlayment
 AVM Systems 700/750**



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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FILE NAME: 0700-0750-5752-WF-Tile-Assembly-over-Plywood-Subfloor-Joists-19-Inch-OC-over-Cementitious-Self-Leveling-Underlayment-CS-TXR

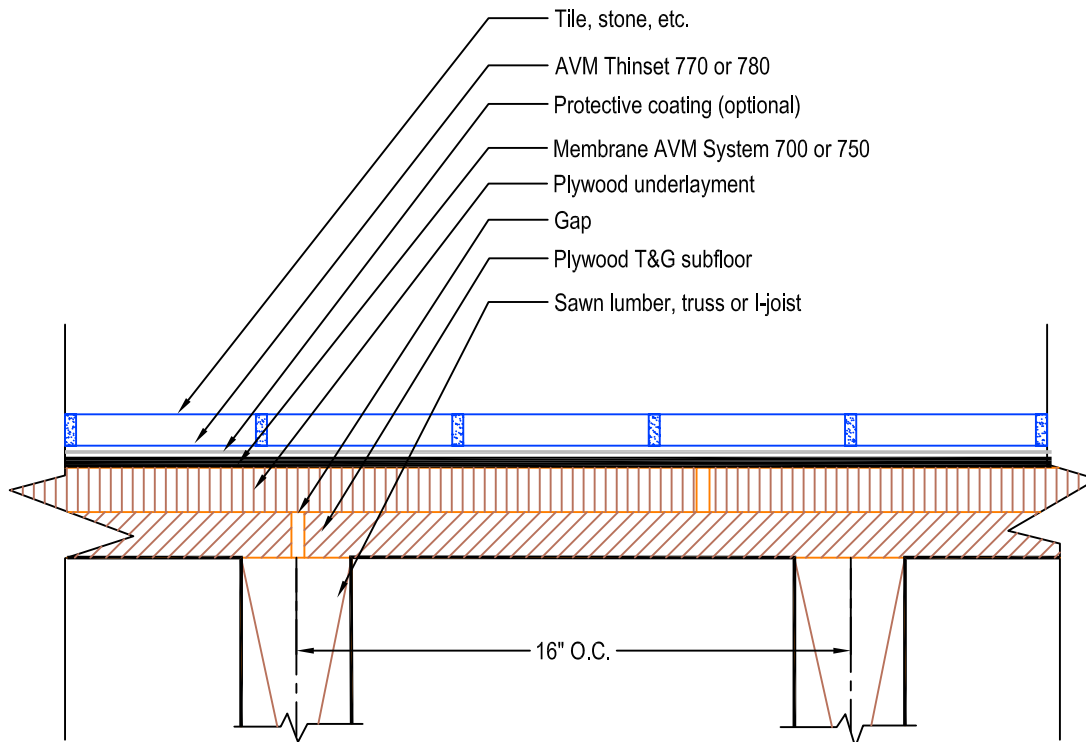
TXR-F185-11-ASR

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Revision Date: 12/13/2011

DETAIL # :	0700/0750-5782-WF-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

**Tile Assembly, Interior Floors over
Plywood Subfloor, 16 Inch O.C.,
Plywood Underlayment
AVM Systems 700/750**



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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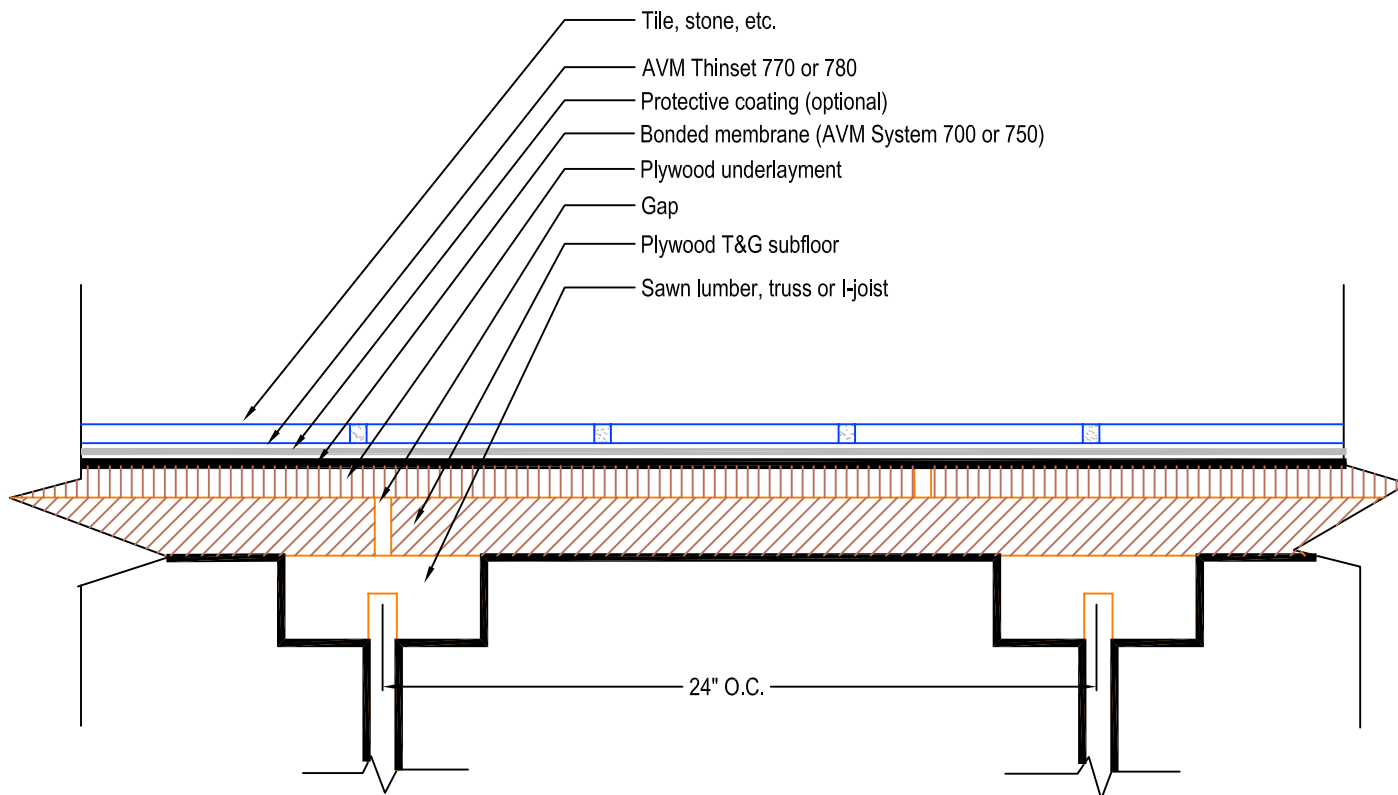
Quality Waterproofing Products

DETAIL # :
0700/0750-5802-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors over
Plywood Subfloor, 24 Inch O.C.,
Plywood Underlayment
AVM Systems 700/750



Notes:

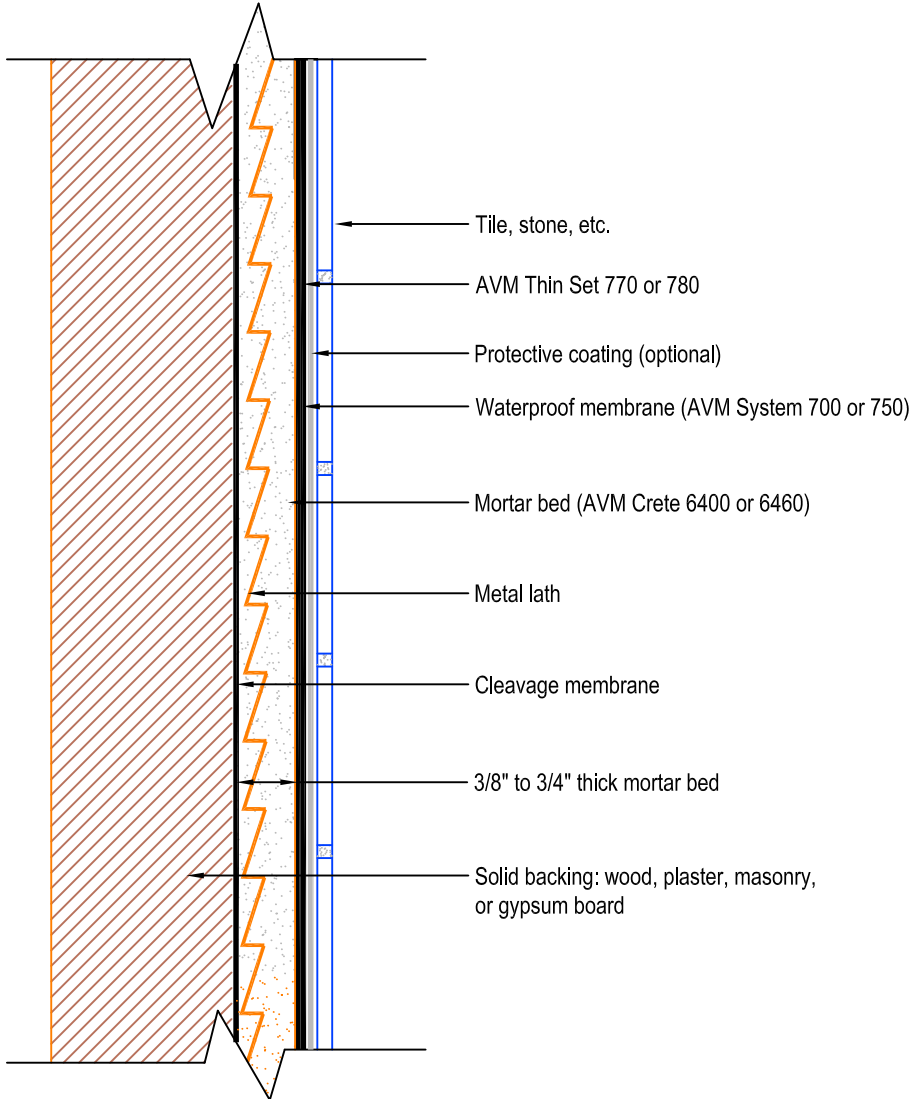
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :	0700/0750-6002-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

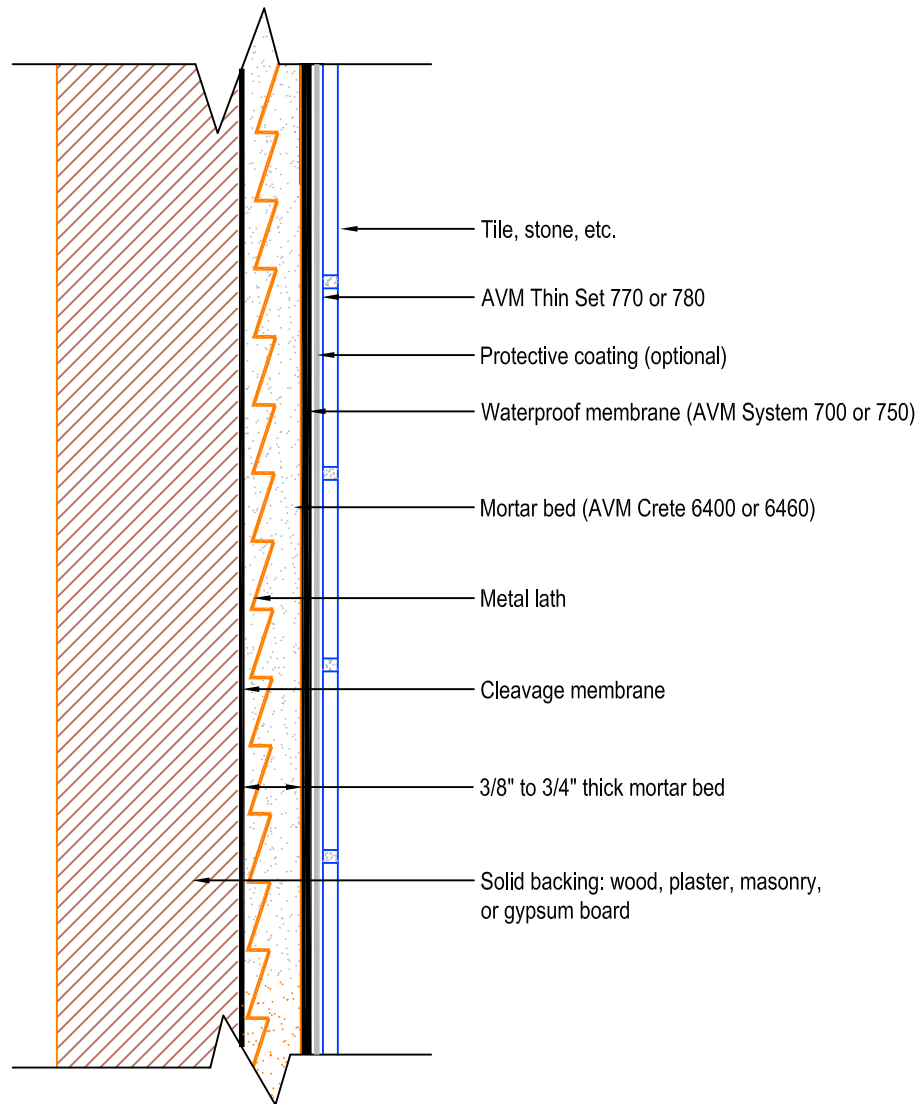
**Tile Assembly, Interior Walls
Over Solid Backing Mortar Bed**
AVM Systems 700/750



- Notes:**
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 8, 9.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
0700/0750-6004-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Interior Walls over Solid Backing Mortar Bed,
(One Coat Method)
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 8, 9.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

Quality Waterproofing Products

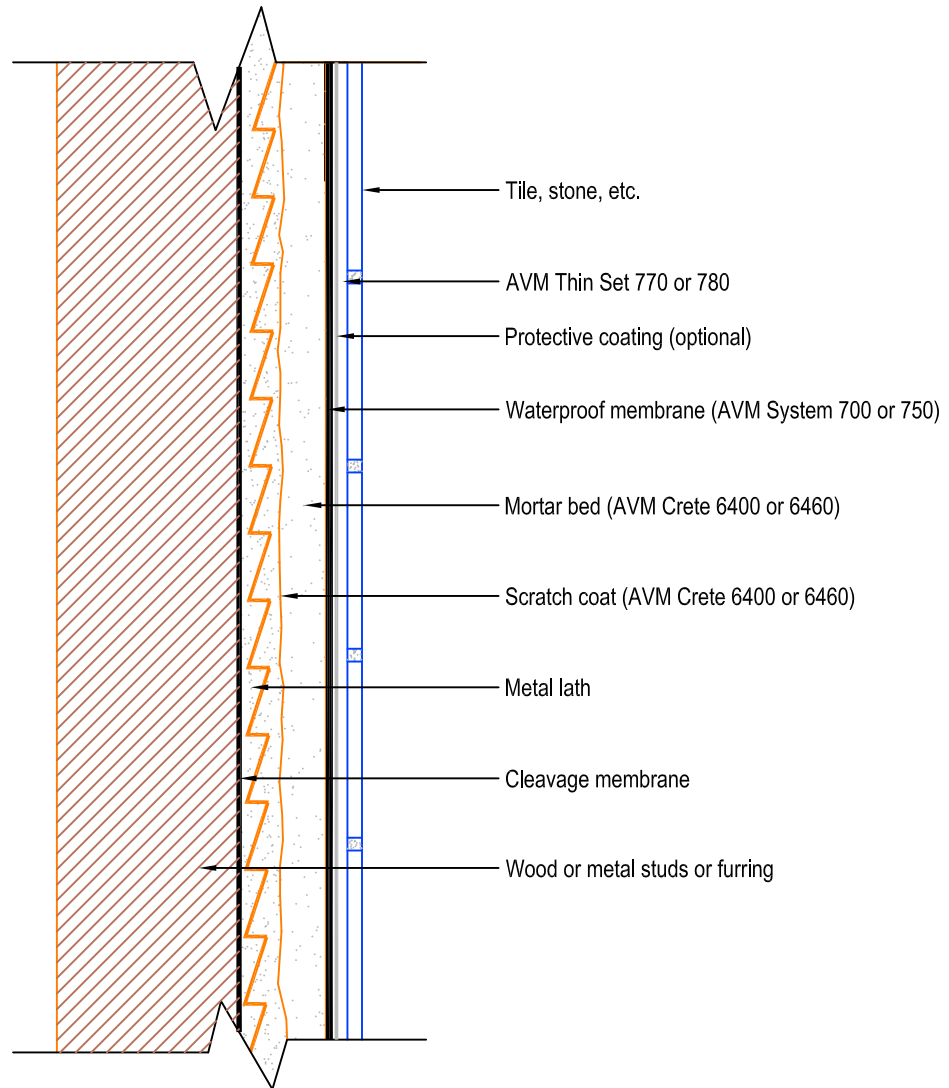
888.414.1041 818.888.0050
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DETAIL # :
0700/0750-6102-WF-TXR

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly,
Interior Walls over Wood or Metal Studs,
Mortar Bed,
AVM Systems 700/750



Notes:

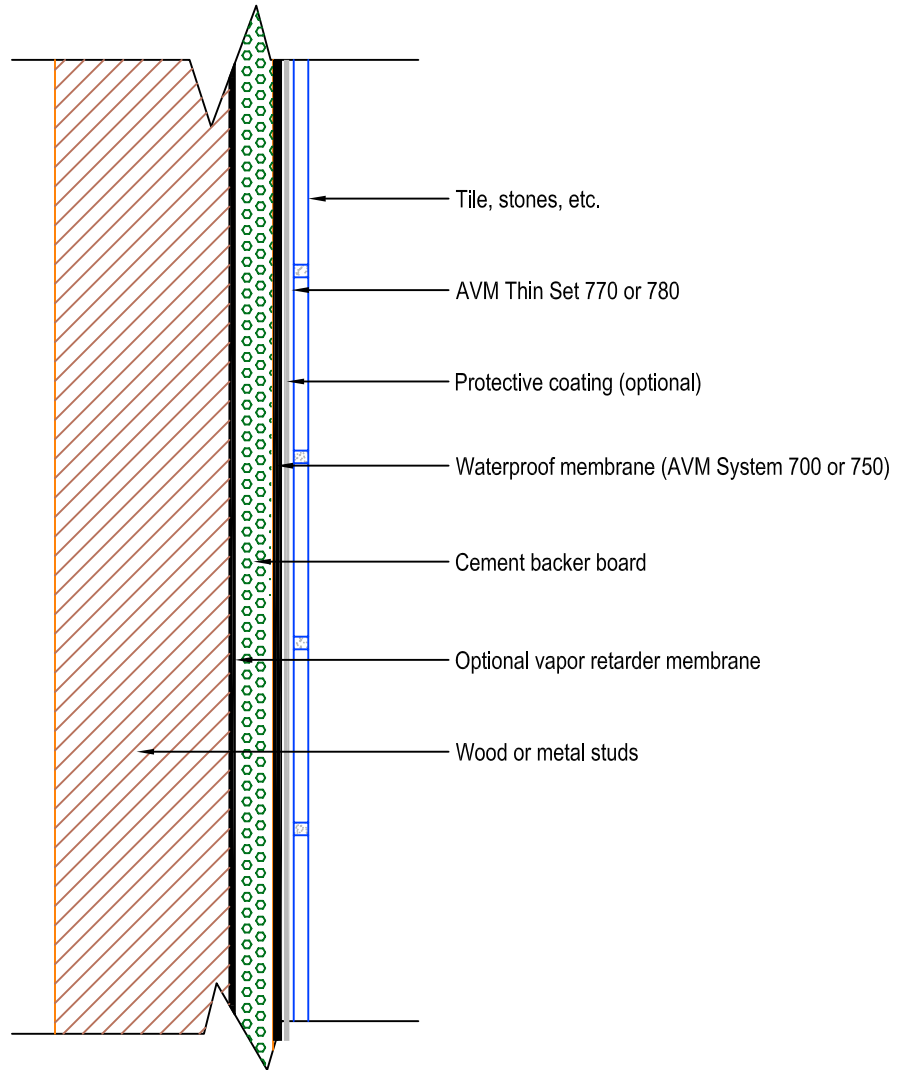
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 8, 9.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-6162-WF-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Interior Walls over Wood or Metal Studs,
Cement Backer Board,
AVM Systems 700/750



Notes:

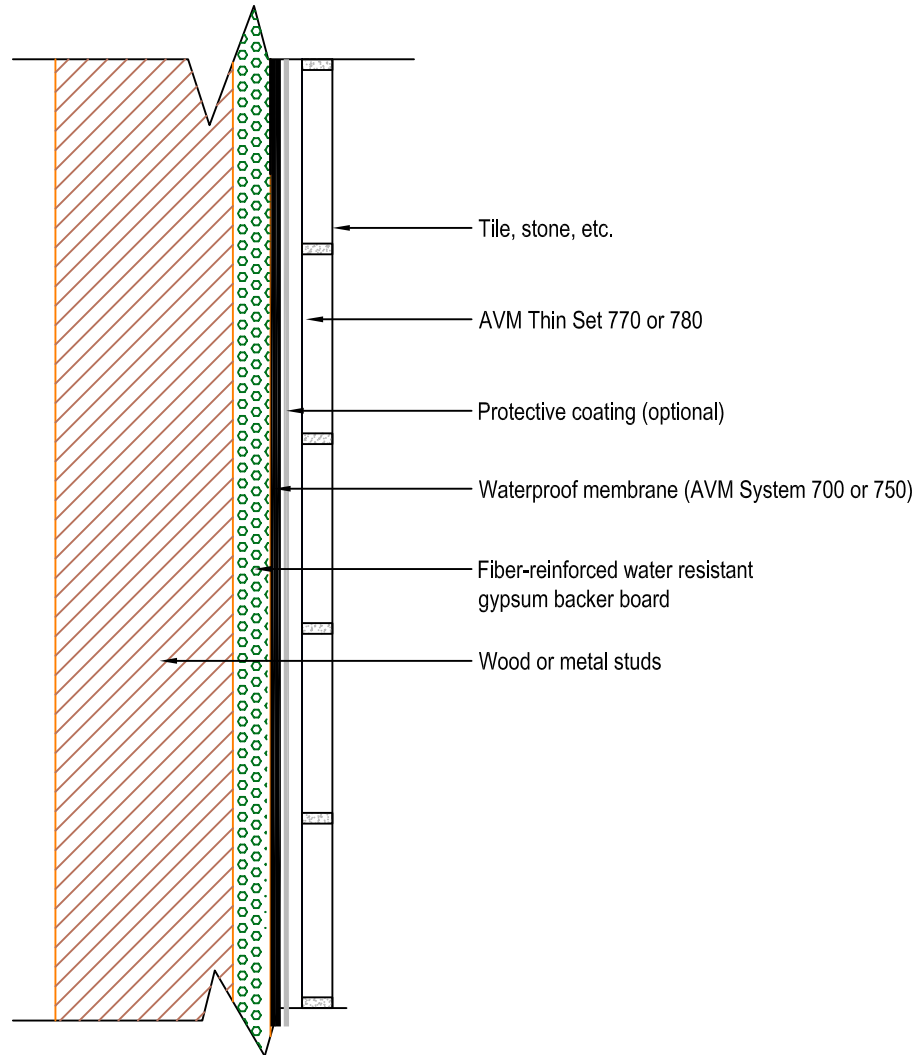
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 9, 13.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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DETAIL # :
0700/0750-6182-WF-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly,
Interior Walls over Wood or Metal Studs,
Fiber-Reinforced Water-Resistant
Gypsum Backer Board
AVM Systems 700/750



Notes:

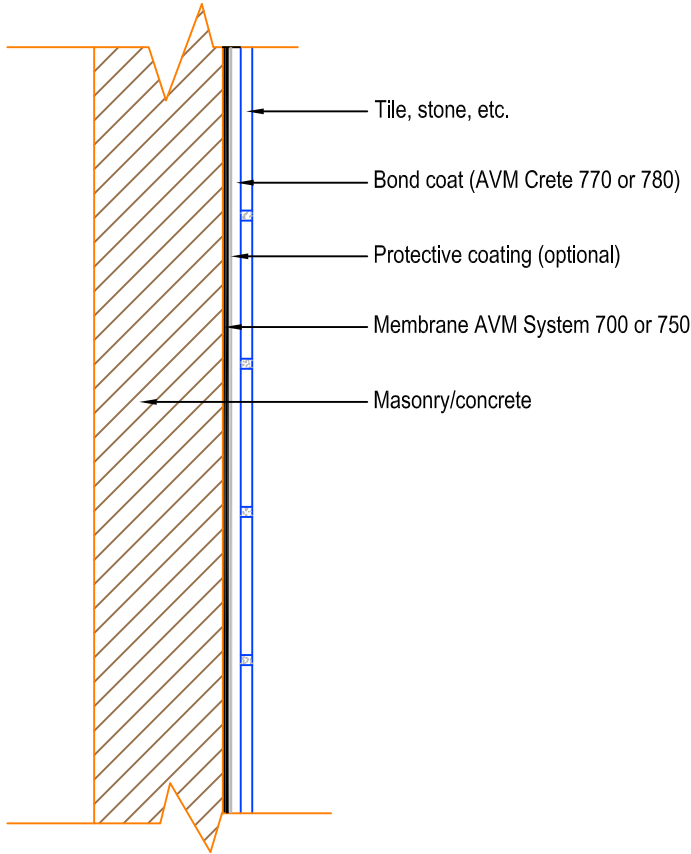
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 9, 13.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

Quality Waterproofing Products

888.414.1041 818.888.0050
www.avmindustries.com

DETAIL # :	0700/0750-6302-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

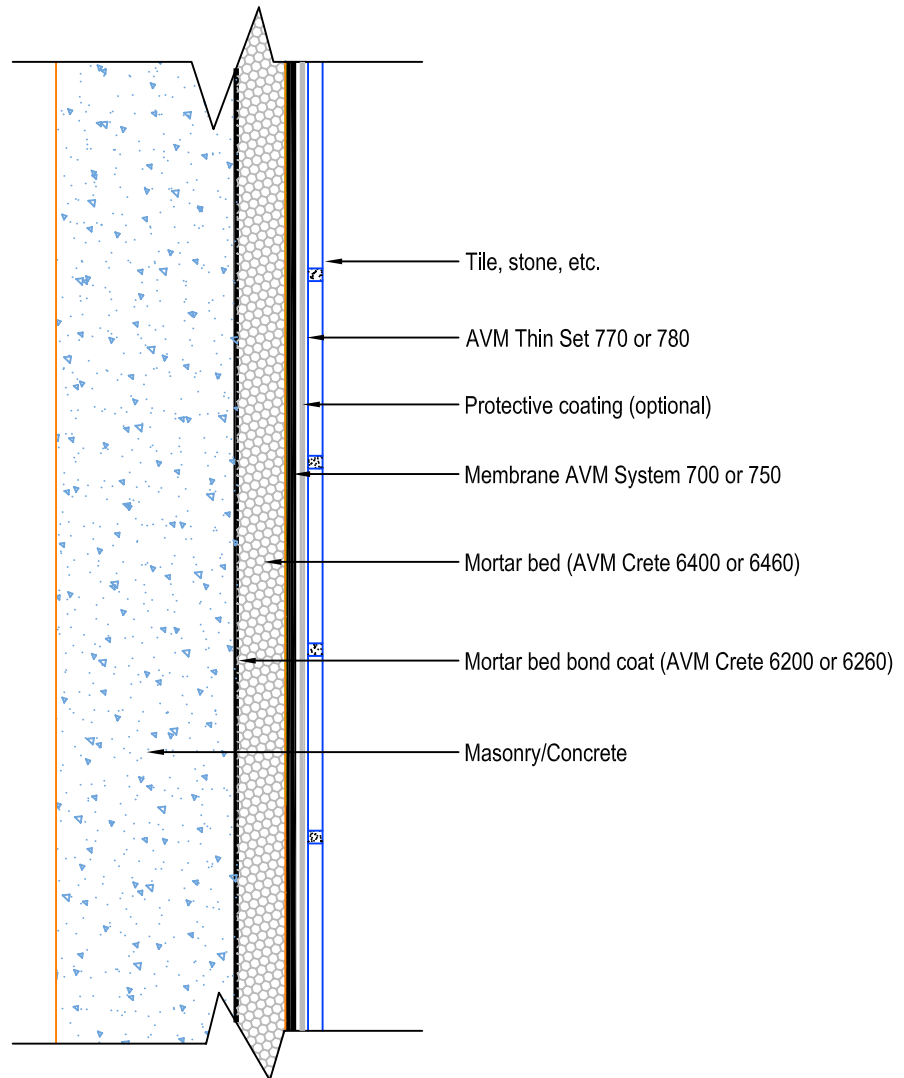
Tile Assembly,
Interior Walls over Masonry or Concrete
AVM Systems 700/750



- Notes:**
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 9.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
0700/0750-6322-C-TXR
AVM Systems
700/750
VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Walls
Over Masonry or Concrete,
Bonded Mortar Bed,
AVM Systems 700/750



Notes:

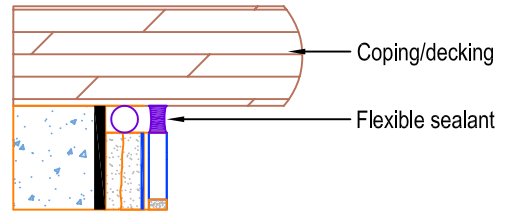
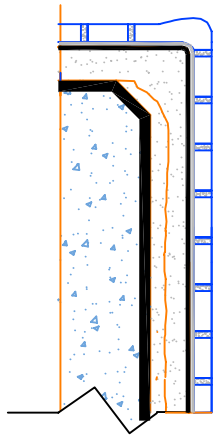
1. See AVM tile detail notes sheet for notes 3, 4, 5, 6, 8, 9.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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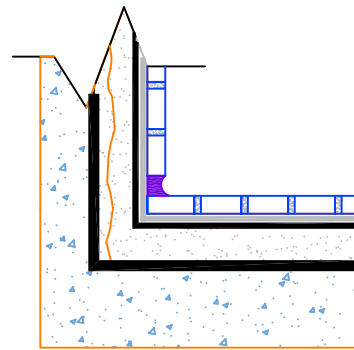
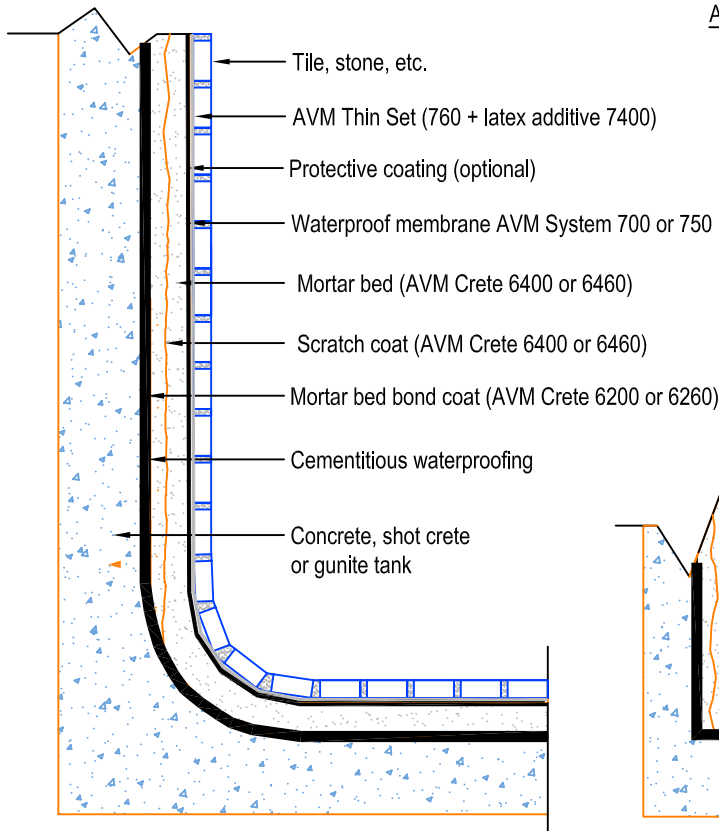
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DETAIL # :
 0700/0750-7002-C-TXR
 AVM Systems
 700/750
 VIEW TYPE:
 Cut Sheet

**Tile Assembly,
 In Pool or Pond, Concrete Tank,
 Bonded Mortar Bed**
AVM Systems 700/750



Alternate deck profile



Alternate bottom profile

Notes:

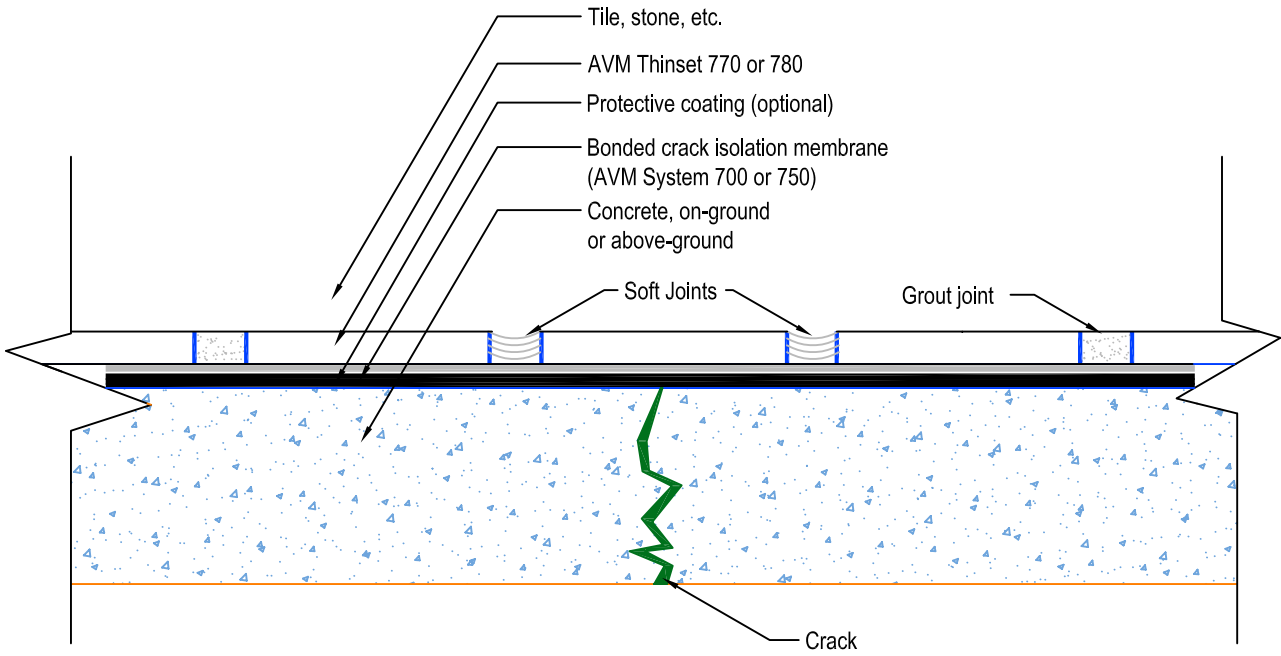
1. See AVM tile detail notes sheet for notes 4, 5, 6, 7, 8, 9, 11, 12.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

Quality Waterproofing Products

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DETAIL # :	0700/0750-7502-C-TXR
AVM Systems	700/750
VIEW TYPE:	Cut Sheet

**Tile Assembly, Interior Floors,
Crack Isolation Membrane, Full Coverage**
AVM Systems 700/750



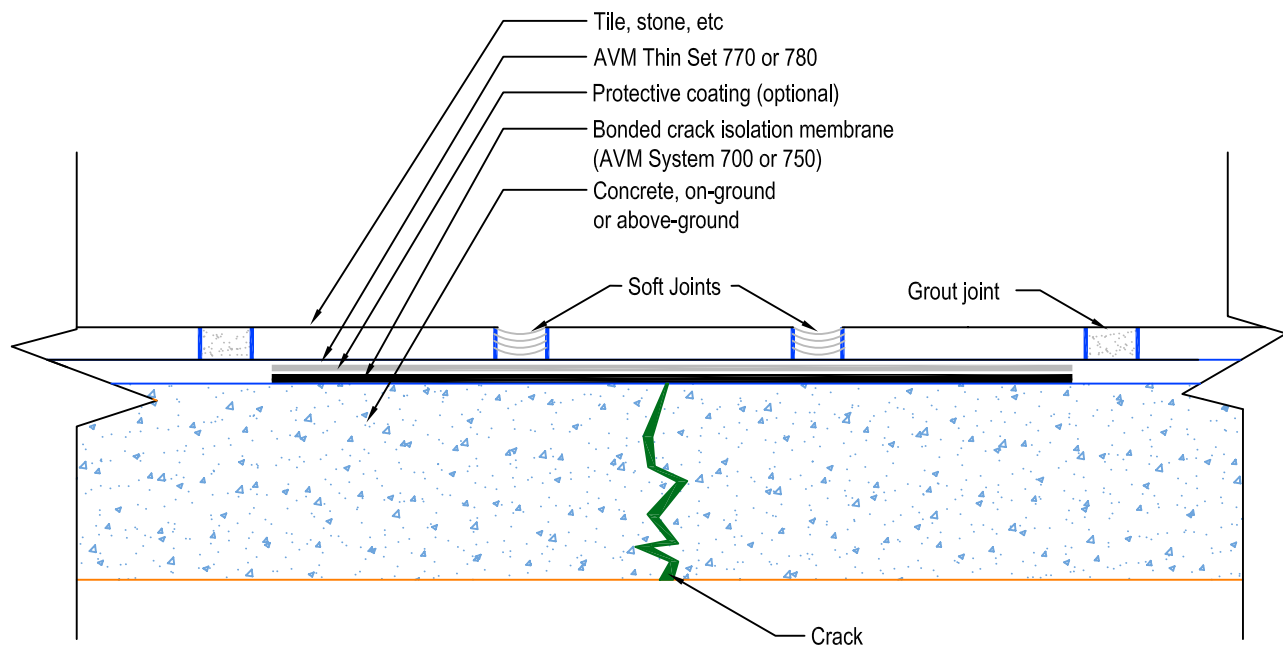
- Notes:**
1. See AVM tile detail notes sheet for notes 2, 4, 5, 6, 7, 15.
 2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

DETAIL # :
0700/0750-7552-C

AVM Systems
700/750

VIEW TYPE:
Cut Sheet

Tile Assembly, Interior Floors,
Crack Isolation Membrane, Partial Coverage
AVM Systems 700/750



Notes:

1. See AVM tile detail notes sheet for notes 2, 4, 5, 6, 7, 15.
2. AVM recommends using thin-set that meets ANSI A118.4 specifications, such as AVM thin-set 770. For best results, use AVM thin-set 780.

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Tile Detail Notes

1. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. AVM System 700, breathable, fully reinforced, UV stable, acrylic membrane. ICC ESR-2662, LARR 25431, LARR M-050065. Although either membrane may be used, for this type of application, AVM recommends using the AVM System 750. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
2. AVM System 700, breathable, fully reinforced, UV stable, acrylic membrane. ICC ESR-2662, LARR 25431, LARR M-050065. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. Although either membrane may be used, for this type of application, AVM recommends using the AVM System 700. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
3. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. AVM System 700, breathable, fully reinforced, UV stable, acrylic membrane. ICC ESR-2662, LARR 25431, LARR M-050065. Either membrane may be used, for this type of application. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
4. The substrate surfaces must be structurally sound, clean, and dry, free of contamination, and prepared according to AVM's Installation Instructions and industry standards. When installing AVM's membranes on slabs on grade and/or hard to bond surfaces, use AVM's epoxy primer.
5. AVM recommends all parties to consult approved resources and design professionals to ensure a complete and proper assembly.
6. Please refer to the TCNA® Handbook for Ceramic Tile Installation and AVM's current data sheets and documentation for complete instructions and application limitations.
7. When installation is over slabs on grade, (on-ground concrete), installation of a waterproofing membrane is optional. If a membrane will be installed, verify moisture! If moisture exceeds 3 Lbs using a calcium chloride test, or exceeds other acceptable standards, consult with AVM prior to proceeding with installation. If a membrane will not be installed, the "Protective Coating" is not needed either.
8. Mortar Beds: The following mortar beds are recommended: AVM Crete 6400 (best) or AVM Crete 6460. Mortar beds must achieve a minimum of 2,000 PSI and be installed per TCNA's standards. When installed over and bonded directly to concrete substrates (excluding light weight concrete substrates) the mortar bed may be un-reinforced. (If installing over 1.25" thick, reinforce with 2"x2" wire). When installed over wood floor substrates and/or as a non-bonded mortar bed, the mortar bed needs to be fully reinforced with Metal Lath 2.5 (aka Diamond Lath, min 2.5 Lbs/Sq.Yard) and be a min of 1.25 inches thick to create rigidity. Mortar beds (concrete float) installed over and bonded to concrete/block walls do not need to be reinforced. Mortar beds (concrete float) installed over Wood and other substrates should be reinforced with metal lath 2.5. (These recommendations are based on using AVM Crete 6400 or 6460, high-performance polymer modified mortar beds)
9. Reinforcement: AVM System 750: AVM recommends to reinforce the membrane in the following areas by embedding AVM Mat 800 into the membrane: At all corners (such as wall-to-wall and wall-to-floor corners), at drains, all penetrations and any transition in the surface plain. Reinforcement: AVM System 700: AVM System 700 is fully reinforced. Extra reinforcement (double fabric) at corners and other critical areas is optional. Refer to each system's installation instructions for further details.
10. Roof Membranes: Roof membranes (also referred to as primary membranes) are often used in exterior roof or deck tile applications when installed over living or usable spaces: These assemblies have two membranes in them. A lower membrane (roof or primary membrane) and an upper membrane (secondary membrane) just below the tile, stone, etc. (the mortar bed separates the two) For the lower membrane (roof or primary membrane) AVM recommends to use AVM System 500 applied at a min 120 mils dry and fully reinforced with AVM Mat 800. Or, you may use other approved roofing membranes. (Consult with roofing membrane manufacturer) If a Drainage Mat is specified,, consult with AVM for Drainage Mat recommendations.
11. AVM System 750, non-breathable, non-reinforced liquid rubber membrane. ICC ESR-3450, ICC PMG-3450. Only AVM System 750 is recommended for this type of application. Optional: For extra protection, AVM recommends to install the "protective Coating" after the membrane is installed and tested. Anti-Fracture: If anti-fracture properties are desired, please see Note #15 for additional anti-fracture information.
12. If drainage is a consideration: Verify that proper drains are used. (Tile drains also known as Double Drains/Triple Drains, etc). Also verify that all drains, drainage elevations, sloping and tie-ins are correct.
13. When the terms "Backer-Board" or "Cement Backer Board" or "Fiber Cement Backer Board" or "Coated Glass mat Water-Resistant Gypsum Backer Board" etc, are used, they are not exclusive to a particular manufacturer. Equal Backer Units from multiple manufacturers may be used. Consult your with design professional for more information. All joints/seams, etc, must be fully reinforced with AVM Mat 800.
14. Self Leveling underlayment may be used in lieu of the specified underlayment.
15. Anti-Fracture: Anti-Fracture membranes must be fully reinforced with fabric to work properly. If installing AVM System 700, it's already fully reinforced, so no additional reinforcement is required. If installing AVM System 750, it has no reinforcement except at corners and other critical areas. Therefore, fabric must be embedded in the entire membrane. Use AVM Mat 800 for reinforcement. If the sole purpose of the membrane installation is for crack isolation, then refer to the "Crack Isolation (Anti-Fracture) Details" for additional installation information.
16. Shower receptors, curbs, seats, etc, must be properly waterproofed and installed to avoid water damage to adjacent building materials.