



MCH TILE SPECIFICATION

A. Purpose of this Document

This document defines both MCH's and contractor's responsibilities as they relate to the tile phase of construction. It is intended as a checklist that will define MCH's standard of quality and professionalism. The tile contractor's work will not be considered complete until all specifications contained herein are fully met.

B. Relationship to other Documents

Additional information and/or requirements regarding Tile Contractor may be defined in the following documents. In no case shall the Tile contractor proceed with the contractor's work without MCH consent if the contractor believes that conflicts exist between these phase specifications and the following documents:

1. MCH Master Subcontractor Agreement
2. MCH Tile Spec Checklist
3. MCH Safety Violation Form

C. Safety Requirements, General

1. Tile Contractor is required to have a competent person that is able to verbally communicate with MCH Project Manager on site at all times. A competent person is one that can identify safety hazards and has the authority to stop work until known hazards have been eliminated before proceeding.

2. Contractor's employees and contractors must adhere to all Federal and State Occupational Safety & Health (OSHA) Regulations.
3. All accidents and injuries must be immediately reported to the MCH Director of Construction.
4. Any and all penalties assessed against MCH due to safety violations of Tile Contractor shall be the liability of the Tile Contractor and subject to reimbursement and possible additional fines from MCH. MCH may issue verbal and/or written warnings, with fines, for safety violations that MCH employees identify on its job sites on which Tile Contractor provides Work, Materials and/or Supplies. In addition, Tile Contractor shall comply with all MCH procedures and policies relative to safety violation enforcement and fines. Additionally, Tile Contractor acknowledges receipt of these procedures and policies.
5. If a safety device must be removed, the contractor must take immediate remedial measures to protect all workers from the hazard. The devices must be replaced as soon as the work is completed, or a permanent safety device has replaced it.

D. Safety Requirements, Specific

1. Personal Protective Equipment (PPE) must be worn as applicable and required at all times while on MCH job sites.
 - A. Safety glasses/goggles are to be worn while cutting tile materials / tile prep materials
 - B. Proper work boots are to be worn at all times
 - C. Hearing protection is to be worn when cutting or drilling.
 - D. Gloves are to be worn when working with sharp objects
 - E. Respirator is to be worn when sanding or working with solvents or soldering.
2. Fall protection will be a daily responsibility and priority for the Tile contractor. If contractor is working 6' or more off the ground, fall protection must be utilized. If tile contractor removes any safety rail it will be his responsibility to reinstall.
3. Tile contractor may only construct and use OSHA approved scaffolding

E. Warranty in Labor and Materials:

The contractor shall guarantee workmanship and materials provided by the contractor to be free of defects and deficiencies for one year minimum. If any part of the work is found to be incomplete, incorrect, deficient, or cause damage to other work, the contractor will be responsible for all material and labor costs and damage incurred.

F. Specifications, General:

This specification outlines the installation requirements for tile flooring and wall systems using Schluter products, including DITRA-HEAT, KERDI, and related components. It also highlights MCH job site requirements.

1.MCH requirements

- Tile Contractor must adhere to all MCH Jobsite and Safety Rules and Regulations.
 - Follow posted working hours
 - No food or drink allowed in house
- House to be broom swept. Trash in the house and on the property to be disposed of on a daily basis at a minimum.
- Tile contractor to review project drawings and specifications
- Tile contractor to walk the job site with an MCH representative (project manager or director of construction) to confirm tile orientations, tile layouts, tile selections, drain options, bench, niche detail, curb-less or curbed entrances and tile stoping and starting points
- Linear drains should be pulled of the wall 2 $\frac{3}{4}$ " from back wall to center of drain pipe when orientation is set up near a wall.
- Linear drains should be center correctly on the shower pan. An example is If a shower is 72" wide with a 60" linear drain then there should be 6" of space on each side of the drain to the wall tile.
- Confirm substrate conditions (clean, level, and structurally sound)
- Confirm that the proper blocking is installed for shower pans, floating bench blocking, shower glass door, and niches are framed to line up with specifications and grout lines.
- When installing a standard niche (12x20) the bottom of the niche should be set +/- 42" from floor. The bottom of the niche should be set so it lines up on a grout joint. Any

niche greater than 12x20 needs to be verified on heights / specifications with an MCH representative

- Verify materials compatibility with Schluter products
- Ensure necessary Schluter products are on site and stored properly
- Coordinate work schedule with other trades to prevent conflicts but allow the house to progress. (Tile contractor will not have the house to themselves they will need to work with other trades in the house)

G. References:

- ANSI A108, A118, and A136 tile installation standards
- Tile Council of North America (TCNA) Handbook for Ceramic, Glass, and Stone Tile Installation
- Schluter Systems Installation Guides

H. Submittals:

- Product data sheets for all Schluter materials
- Installation instructions and warranty documents
- Verification of substrate preparation and testing reports

I. Quality Assurance:

- Installer must be certified or experienced in Schluter system applications.
- Mock-ups may be required for approval prior to full installation.
- Pre-installation meeting to coordinate work schedule and requirements.

J. Specifications, tile installation:

Tile must be completed in conformance with all specifications contained herein. It is the responsibility of the Tile Contractor to proactively protect their work, the project property, and adjacent properties. The Tile Contractor is expected to supply all labor, tools, and equipment to tile the house according to the plans and specifications.

Responsibilities include the following at a minimum:

1. Surface Preparation

- Ensure substrates meet ANSI A108 requirements for flatness and deflection.
- Clean and prime surfaces as needed.
- Fill and level any irregularities before membrane installation.
- Check for proper slope in wet areas (1/4" per foot minimum).

2. Waterproofing & Uncoupling Systems

- Install **Schluter®-KERDI** or **KERDI-BOARD** for waterproofing per manufacturer instructions.
- Seal seams and corners with **KERDI-BAND**.
- Install **Schluter®-DITRA** or **DITRA-HEAT** for uncoupling and movement accommodation.
- Verify correct thin-set mortar type (unmodified for DITRA/KERDI, per Schluter's guidelines).
- Conduct a flood test on waterproofed areas (if required).

3. Edge, Transition & Expansion Joint Treatment

- Install **Schluter®-SCHIENE**, **JOLLY**, or **RONDEC** profiles for edge protection.
- Allow for movement joints using **Schluter®-DILEX** profiles per TCNA and ANSI recommendations.
- Use expansion joints at perimeters, changes in plane, and large tile areas.

4. Tile Installation

- Confirm correct tile layout and grid lines.
- Use appropriate trowel size for tile and substrate.
- Maintain proper thin-set coverage (minimum 85% interior, 95% wet/exterior areas).
- Follow Schluter's guidance for tile setting over DITRA/DITRA-HEAT.
- Clean thin-set from tile surfaces and joints before curing.

5. Grouting & Finishing

- Use grout type compatible with Schluter profiles and waterproofing.
- Protect movement joints—do not fill with rigid grout.
- Apply caulk or sealant in changes of plane (per ANSI A108.01).
- Clean and polish tile surfaces after grout curing.

6. Post-Installation & Quality Control

- Inspect installation for lippage, alignment, and overall finish.
- Ensure waterproofing integrity before final turnover.

- Document installation process and materials used.
- Provide Schluter warranty documentation if applicable.

7. DITRA-HEAT Preparation

- Verify electrical requirements and dedicated circuit availability.
- Check subfloor for flatness and proper bonding conditions.
- Install DITRA-HEAT membrane using appropriate thin-set mortar.
- Ensure proper fleece bonding to the subfloor and allow curing time before wire installation.
- Plan and lay out heating cable placement per Schluter guidelines (avoid overlapping cables).
- Conduct resistance testing of the heating cable before, during, and after installation.
- Install floor temperature sensor(s) in an appropriate location.
- Ensure heating system is tested and approved before proceeding with tile installation.

I. Responsibilities

MCH Responsibilities

1. To supply the most timely and accurate information possible.
2. To provide regular supervision and direction from the MCH Project Manager.
3. To provide the following plans / drawings / information:
 - a. Architectural & Structural Plans
 - b. Master Tile Selection sheet / flooring selection per location sheet
 - c. Tile Selection sheets Posted in Every Room
4. Provide an adequate construction access and curb protection.
5. Notify contractor immediately of any tile changes
6. Allowable working hours and community specific restrictions will be posted by MCH.
7. MCH Project Manager will do the final tile quality check and walk with the tile

supervisor.

Tile Contractor's Responsibilities

1. To act in every way possible in an effort to protect and preserve their own work, work that has already been completed, the property and adjacent properties.
2. To comply with all OSHA regulations and requirements.
3. To check accuracy of all tile selections / orientation with MCH Project Manager before proceeding and to conform completely to all labor and materials specifications.
4. Contractor is expected to meet MCH's construction schedule as provided.
5. To complete and sign the Tile Checklist upon job completion, and submit attached to invoice with MCH Project Manager's signature.
6. To provide water source as necessary for mixing thin-sets, grouts, pan water tests, cleaning tools, Buckets, and excess grout. Using water from adjacent properties is never an acceptable option.
7. To provide generator as necessary for power tools.
8. Contractor will respond and attempt to resolve customer service work, including Punch List items, within 24 hours from date of request and if necessary will attend to customer work before attending to new production work. Notice with explanation must be provided to MCH immediately if contractor cannot resolve service issues within 24 hours due to mobilization, weather, equipment failure, or other extenuating circumstances.
9. Contractor will submit a proposal for any additional work that is outside the original contract, and that proposal needs to be signed off by the homeowner prior to any of that work being completed.

Company:_____

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Signature:_____

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Print

Name:_____

Review

Date:_____

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