

STEAM SHOWER

City of Palo Alto (CPA)
Building Inspection Division
285 Hamilton Ave.
Inspection Request: 650 329-2496

Revision Date:02/03/11

General Requirements/Checklist for:

Residential

Codes Enforced: 2010 CRC, CBC, CPC Palo Alto Municipal Code (PAMC)

Building Division

The information provided in this document is general and intended as a guide only. Each project is unique and additional requirements may be enforced as deemed appropriate.

WARNING

• Failure to complete items below prior to inspection may result in a re-inspection fee.

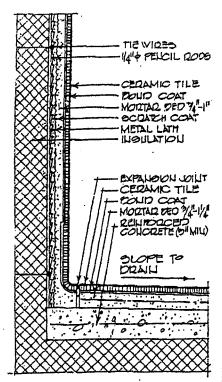
abla	BUILDING
•	See attached Council of America Design Standards #SR613-98 or #SR614-98
	for recommended installation standards.
	Verify structural elements are completed per approved plans.
	· · · · · · · · · · · · · · · · · · ·
_	Apply approved waterproof membrane over approved substrates
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ш	Use of a peel and stick membrane such as ice and water shield or approved liquid applied membrane such as LATICRETE 9235, DENSSHIELD tile guard REDGARD, AQUA
	GUARD or AQUA SEAL, which is listed for use in a residential steam shower shall be
	used.
V	PLUMBING
	Plumbing penetrations in walls and ceilings must be sealed to prevent the entry of
_	moisture into concealed spaces.
	Shower pan and wall membrane should be overlapped and sealed or continuous where
	possible to eliminate possible leakage at joints.
	Installation of a relief vent is recommended to relieve pressure build-up inside the
	steam room. The vent should be located under bench seat in the shower and taken to
	the exterior of the building using 1" PVC piping if possible.
	Steam generators placed in attics or furred spaces shall have drip pans with drains
	routed to the exterior of the building.
V	ELECTRICAL
	Provide electrical disconnect for steam generator.
	Lighting devices shall be listed steam shower/vapor proof and shall provide
	protection against moisture entry to construction i.e. HYDR-O-DYNAMIC CORP. part #
_	HD-LPS-400-1. GFCI protection required for steam shower lighting device.
	MECHANICAL
	An exhaust fan should be installed in the room immediately outside the steam room.
	Steam generating equipment shall be installed to comply with access requirements of
	CMC SEC. 305

All specifications for ceramic tile installations must conform to local building codes, ordinances, trade practices and climatic conditions.

REFRIGERATOR ROOMS

Cement Mortar

R612-98



Requirements

- use tile designated as frostproof by the manufacturer in all rooms subject to freezing temperatures.
- provide reinforced concrete slab over floor insulation to resist wheel load of hand and mechanical trucks. (3° minimum; 4° or more for fork lift trucks.)

Material and Tile Installation:

- attach four equally spaced tie wires to the supporting members and through the insulation. Attach 1/4* D steel pencil rods vertically over the insulation.
- attach metal lath to pencil rods and follow Method W222 or install on a mortar bed meeting the requirements of Method W241.
- floors and expansion joints may be installed in accordance to Method F112 (cement mortar), F113 (dry-set mortar or latex-portland cement mortar), or F131 (epoxy grout and mortar).

STEAM ROOMS Membrane

Cement Mortar SR613-98 WP MEMBRANE SEALED OLIP JOUT 14" & PEUCIL 12000 CERAMIC TILE DOUD COAT MOIZIAD DED SCRAIGH COAT TIE WIZES METAL LATH HOULATION MEMBRANE 7/4" TO 1" THIOL HOICHAIXS ceramic tile DOND COAT MORTAR DED HAR WEADSHIP

Requirements:

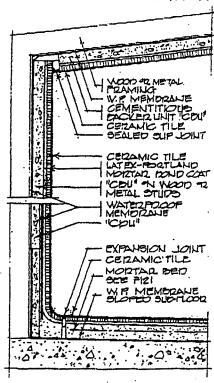
- steam rooms require a waterproofing membrane on all surfaces to prevent moisture from penetrating adjoining spaces.
- some membranes will require insulation on walls and ceilings to protect them from excessive heat.
- slope ceilings (2" per ft. minimum) to avoid condensation from dripping onto occupants, (sometimes sloped to center to minimize rundown on walls).

Material and Tile Installation:

- attach four equally spaced tie wires to the supporting members and through the insulation, Attach 1/4" D steel pencil rods vertically over the insulation. Attach metal lath to pencil rods on both walls and ceilings.
- install open slip joints in all corners between walls and ceilings and to divide areas that exceed 16' - 0' in length,
- . floors follow Method F121.
- · walls and ceiling follow Method W221.

Thin-bed

SR614-98



NOTE: Waterproof membrane is shown in two different installation locations. Specify one or the other.

Requirements:

- steam rooms require a waterproofing membrane on all surfaces to prevent moisture from penetrating adjoining spaces.
- slope cellings (2" per ft. minimum) to avoid condensation from dripping onto occupants, (sometimes sloped to center to minimize rundown on walls).
- waterproof membrane must be capable of withstanding heat exposure.

Materials and Tile Installation:

- tile A137.1 and certified by manufacturer for wet environment.
- camentitious backer units ANSI A108.11 and A118.9.
- reference and follow membrane manufacturer's installation directions for placement of membrane.
- install open slip joints in all corners between walls and ceilings.
- floors follow Methods F121 or F122.
- walls and ceilings follow Methods W244 or 8415.

NOTE: Any penetration of the membrane should be scaled with appropriate scalant before installing life.