DEVELOPMENT SERVICES – BUILDING INSPECTION

INSPECTION GUIDELINES:
STEAM SHOWER

INSPECTION CODE: 244

SCOPE: RESIDENTIAL AND COMMERCIAL

APPLICABLE CODES: 2016 CBC, CRC, CPC, CMC, CEC, CALGreen, CEnC, and PAMC

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.

IMPORTANT
☐ Failure to complete items below, prior to inspection, may result in a re-inspection fee.

INSPECTIONS

BUILDING
☐ See attached Tile Council of North America SR614-16 and SR614-16 for recommended installation standards. (TCNA 2016)

☐ Verify that structural elements are completed per approved plans.

☐ Drywall is prohibited, unless specifically listed for use in steam showers. (CBC 2509.3, CRC R702.3.7)

☐ Apply approved waterproof membrane over approved substrates. (TCNA 2016)
  o Use of a peel-and-stick membrane (e.g., ice and water shield) or an approved liquid-applied membrane (e.g., Laticrete, DensShield, RedGard, AquaGuard, AquaSeal, etc.) shall be listed for use in steam showers.

PLUMBING
☐ Plumbing penetrations in walls and ceilings must be sealed to prevent the entry of moisture into concealed spaces. (TCNA 2016)

☐ Shower pan and wall membrane should be overlapped and sealed or continuous where possible to eliminate leakage at joints. (TCNA 2016)

☐ 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. (CPC 507.5)
ELECTRICAL
☑ Provide electrical disconnect for steam generator. (CEC 445.18)

☑ Lighting devices shall be listed steam shower/vapor proof and shall provide protection against moisture entry to construction (e.g., HYDR-O-DYNAMIC CORP, Part No. HD-LPS-400-1.) (CEC 410.10)

☑ GFCI protection required for steam shower lighting device. (CEC 210.8(B)(6))

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 305.
Tile Council of North America SR613-16
SR613-16
- Masonry or Concrete
- Mortar Bed Walls
- Mortar Bed Floor

Tile Council of North America SR614-16
SR614-16
- Wood or Metal Studs
- Mortar Bed or Cement Backer Board Walls
- Mortar Bed Floor

SHOWER RECEPTORS, CURBS, SEATS, ETC., MUST BE PROPERLY DETAILED AND INSTALLED TO AVOID WATER DAMAGE TO ADJACENT BUILDING MATERIALS. SEE COMMON SHOWER CONFIGURATIONS SECTION.

*FOR CONTINUOUS USE STEAM SHOWERS:
IF BONDED WATERPROOF MEMBRANE HAS A WATER VAPOR PERMEANCE GREATER THAN 0.5 PERMS, A SECONDARY VAPOR RETARDER MEMBRANE IS REQUIRED. SEE REQUIREMENTS. WHEN USED, VAPOR RETARDER MEMBRANE MUST OVERLAP INTO SHOWER PAN MEMBRANE.