Tile shower assembly | Metal studs, CBU backing, mortar bed floor, two-stage drain, ceramic tile
Detail 06.110.0415
Rev. 10/19/16

KEY NOTES
05 Concrete slab
06 Ceramic tile
08 Steel studs
10 Curb
19 Blocking
21 Pre-pitch mortar bed, slope 1/4" per foot to drain
22 Mortar bed
24 Cementitious bond coat
29 Cement backer board, embed bottom in mortar bed
35 Two-stage drain assembly
40 Metal lath
53 Preformed corners
58 Clamping ring
59 Weep protector
61 Vapor retarder, optional
62 Shower pan membrane, fold up walls min. 3" above top of fin. curb
65 Fiberglass mesh tape at backer bd. seams; embed in thinset mortar
74 Sealant at drain collar

KEY WORDS
Tile, Ceramic tile, Mortar bed, Mud bed, B415, Shower, Shower receptor,
This detail shows a tiled shower assembly based on TCNA method B415. It illustrates metal stud backing, cement backer board keyed into the mortar bed at the base and fastened to the studs beginning 3 inches above top of finished curb, minimum. It shows a floated curb pitched 1/4" toward the shower, and a pre-pitched mortar bed with 1/4" per foot slope to drain. A sheet-applied shower pan membrane ties into a two-stage drain with weep protector above. The shower walls include an optional vapor retarder membrane. The tile finish is adhered to the shower floor, curb, and walls with a modified thinset cement mortar bond coat.