

MASONRY CHIMNEY

Allegany County Division of Permits and Land Development Services

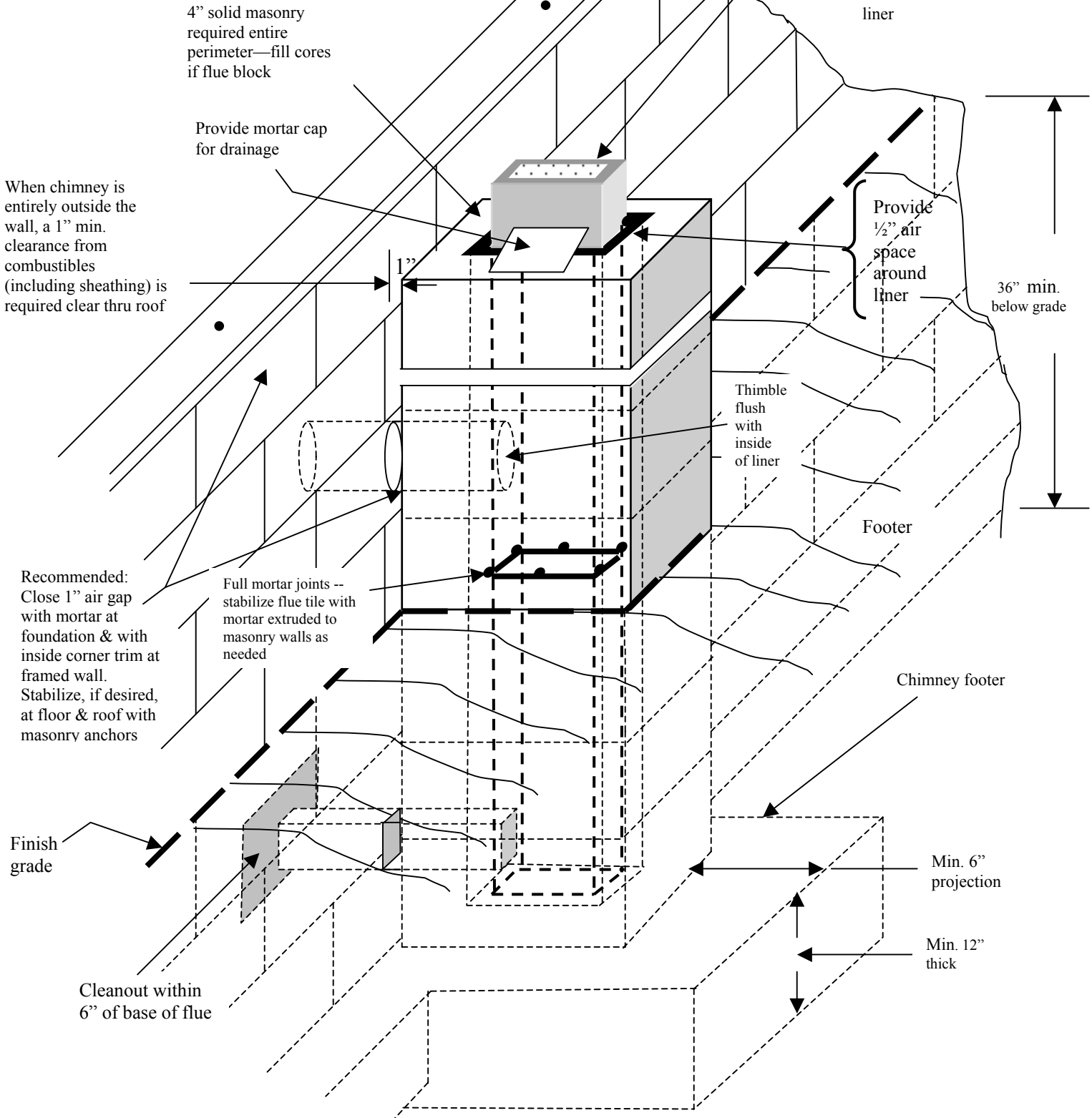
IRC Residential Information Graphic #60

March 28, 2002

Notes:

- Extend flue min. 3' above roof & at least 2' above any point of roof within 10'
- Clay tile thimble should not extend beyond the inside wall of the flue liner—should be flush
- Vent connectors passing thru a combustible wall must pass thru a vented wall penetration assembly (such as a 24 gauge metal thimble with venting holes or equal) that allow a min. separation to combustibles of 6" - frame out wall to size
- For Chimneys inside, provide firestop at airspace prior to passage thru floor or ceiling levels (use metal or metal lath support & 1" thick firestop, e.g. refractory mortar, laid on metal support)

5/8" clay tile liner laid with medium duty refractory mortar, cleaned smooth inside and extended at the joint thru the air space to the masonry inner wall only sufficient to stabilize the liner



4" solid masonry required entire perimeter—fill cores if flue block

Provide mortar cap for drainage

When chimney is entirely outside the wall, a 1" min. clearance from combustibles (including sheathing) is required clear thru roof

Provide 1/2" air space around liner

36" min. below grade

Thimble flush with inside of liner

Footer

Chimney footer

Recommended: Close 1" air gap with mortar at foundation & with inside corner trim at framed wall. Stabilize, if desired, at floor & roof with masonry anchors

Full mortar joints -- stabilize flue tile with mortar extruded to masonry walls as needed

Finish grade

Min. 6" projection

Min. 12" thick

Cleanout within 6" of base of flue