

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)

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

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

Cleanout within
6" of base of flue

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

1"

Provide
1/2" air
space
around
liner

36" min.
below grade

Thimble
flush
with
inside
of liner

Footer

Chimney footer

Min. 6"
projection

Min. 12"
thick

