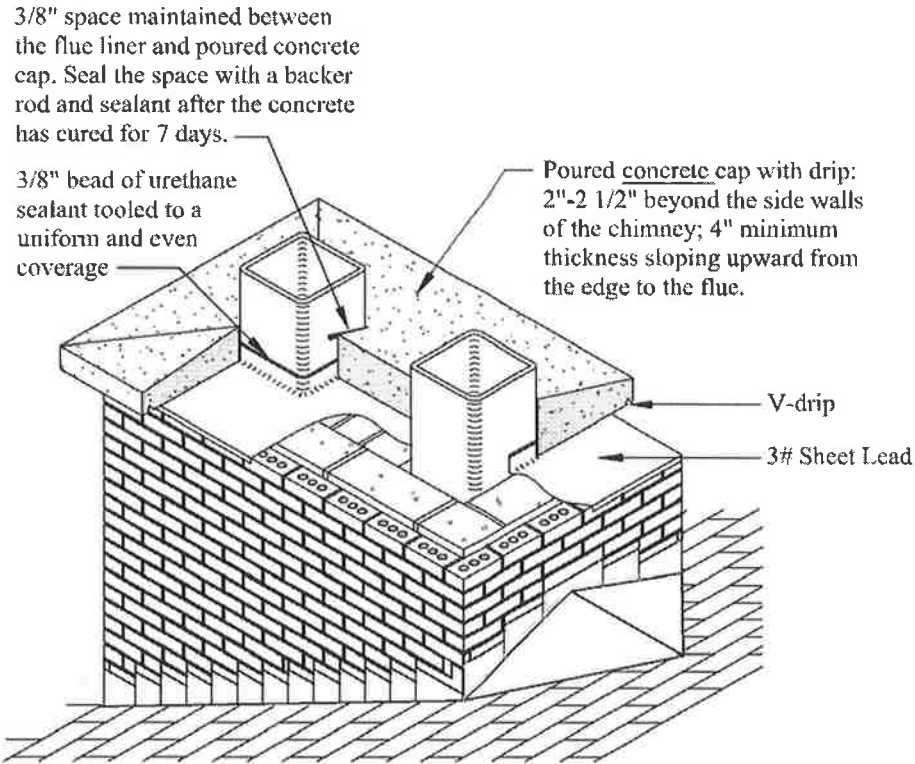


Detail 12

TWF Masonry Chimney Caps



- Step 1 Complete construction of the chimney to the cap course.
- Step 2 Install 3# sheet lead to:
- Cover the top surface of the chimney;
 - Extend 1-inch onto the face of the wall;
 - Extend onto the lower 3-inches of each side of the flue liner and;
 - Overlap 1-inch at soldered seams.
- Step 3 Apply a 3/8-inch bead of urethane sealant along the top edge of the lead collar on each flue liner and tool it to a uniform and even coverage.
- Step 4 Build a form for pouring concrete around the perimeter of the chimney so that:
- The edges of the cap will be beyond the wall between 2 and 2-1/2-inches;
 - The minimum thickness of the concrete will be 4-inches and;
 - The cap extension will have a 1/8-inch "V" drip on the underside of the concrete located within 1-inch of the edge of the cap.
- Step 5 Wrap the perimeter of the flue liners with waxed cardboard to a minimum thickness of 3/8-inch. Install the cardboard in a manner that will allow removal after the concrete has set.
- Step 6 Pour a 3500 lb. strength concrete into the form and shape it to rise from the outer perimeter to the flue liners at 1-inch per foot. Trowel finish the concrete, remove the waxed cardboard and cover the concrete with plastic to cure for 7-days. Follow cold weather procedures when applicable.
- Step 7 After seven days, remove the plastic cover and concrete forms and apply a backer rod and sealant around perimeter of the flue liners and tool to a concave shape.