

Solid Fuel Ordinance
Wood and Coal Stoves

Ordinance No. 82-01
Of West Bradford Township

The Board of Supervisors of West Bradford Township, pursuant to its authority to regulate by ordinance matters relative to the cause and prevention of fires and to protect the health, safety and welfare of its citizens, does hereby enact the following ordinance.

(NOTE: The provisions of this ordinance apply to free standing heating units (stoves) that burn wood or coal, whether used for space heating or for cooking. These provisions shall not be construed to apply to the construction or use of fireplaces.)

Section 1. Definitions. Unless the context specifically indicates otherwise, the meaning of the terms used in this ordinance shall be as follows:

Masonry fireplace - Any fireplace constructed of either solid masonry or reinforced concrete, and lined with heat resistant refractory brick. The fire is visible through a screen or glass door.

Factory built fireplace - Any fireplace constructed in a manufacturing facility. Typically constructed of corrosion resistant metal. Factory built fireplaces are required to bear the label of an approved testing and inspection agency. The fire is visible through a screen or glass door.

Fireplace stove - Any unit which is inserted into the opening of a masonry fireplace and protrudes into the room. Fireplace stoves are required to bear the label of an approved testing and inspection agency. Fireplace stoves are equipped with doors which close off the fire box area.

Room heater - The term "room heater" includes fireplace stoves and the various wood burning stoves. These units are equipped with doors that close off the fire box area. They are constructed in a manufacturing facility and are required to bear the label of an approved testing and inspection agency.

Masonry chimneys - Field constructed chimneys of solid masonry, reinforced concrete, or rubble stone masonry.

Metal chimneys - Field constructed chimneys of heavy duty sheet metal. Single wall metal chimneys are prohibited.

Factory built chimneys - Factory fabricated and labeled by an approved testing and inspection agency. They are normally double or triple metal wall chimneys, lined with insulation or separated by air.

Damper - A flat round plate located inside the pipe collar, stove pipe or flue used to change the strength of the chimney draft.

Fire box - The area of the stove or fireplace in which the fuel is burned.

Free standing heating unit - Any wood or coal burning stove used for space heating or cooking.

Flue - The shaft in the chimney or stove pipe through which smoke passes.

Section 2. Free Standing Heating Units. It shall be unlawful for any person, firm or corporation to install any free standing heating unit where such installation does not comply with the standards and regulations hereinafter set forth. If any of these conditions cannot be met, a written request for review shall be filed with West Bradford Township setting forth the circumstances for noncompliance and the proposed installation prior to installing the heating unit. The written request will be reviewed by Code Administrative Officer, and shall be approved or denied depending upon whether or not the proposed installation will result in the equivalent fire resistance and safety as would prevail had these provisions been complied with. The N.F.P.A. Code on solid fuels will prevail when not covered within this ordinance.

Solid fuel burning appliances shall not be installed in bathrooms, bedrooms, toilet rooms or rooms used for sleeping purposes.

Section 3. Material and Installation Requirements.

A. Installation: (See figures I, II, III, IV, and V)

1. An approved pad must be used under the heating unit when it rests on a combustible floor and must extend at least eighteen inches (18") beyond the side where the ash removal door is located and twelve inches (12") on the other sides.

Pads must be one quarter inch ($\frac{1}{4}$ ") asbestos board covered with twenty-four (24) guage metal or hollow brick covered with twenty-four (24) guage metal. All rugs and padding must be removed from underneath the pads. (See figure III.)

2. A thirty-six inch (36") clearance must be maintained on all sides between the heating unit, and any combustible surface. This distance can be reduced if the combustible walls are protected with fireproof material, i.e., asbestos mill board, brick, tile, with an air space of not less than two inches (2") between the wall and the protective layer. (See figures III & IV)
3. The floors must be properly supported to sustain the additional weight of the heating unit and insulating material.

B. Chimneys:

1. Each heating unit must have its own chimney, and chimney connection and shall be either a masonry chimney or a factory-built with a U/L label or other approved agency sticker.
2. Masonry chimneys shall be sized to provide adequate induced draft and are required to have a flue liner at least five eighths inch (5/8") in thickness. The solid masonry or reinforced concrete chimney must have walls at least four inches (4") in thickness. If rubble stone masonry is installed, the walls must be at least twelve inches (12") in thickness. A clean-out is required at least twelve inches (12") below the lowest chimney inlet. Masonry chimneys may have any number of passageways, each with its own liner. Two passageways may be separated by an air space between the flue liners. If more than two passageways are installed in the chimney, they must be separated by four inches (4") of masonry.
3. Low heat appliance chimneys must extend at least three feet (3') above the highest point of the roofs through which they pass. They must also be at least two feet (2') higher than any portion of the roof within a ten foot (10') horizontal distance.
4. Factory built chimneys must bear the label of an approved testing and inspection agency, and be constructed of triple wall pipe or two wall insulated pipe. A capped tee must be located at base to allow for inspection and cleaning. All clearances for factory built chimneys must be maintained as provided by Underwriters Laboratory instructions. If a factory built chimney passes through an occupied space such as a closet or room, it must be enclosed in a chase with a minimum of two inches (2") clearance. No factory built chimney can be smaller than the

chimney opening of the appliance. Fire stops must be installed when it passes through ceilings and roof. Support boxes must also be installed when it passes through a floor or ceiling. (See figure VI)

- C. Stove pipe: Stove pipe must be twenty-four (24) guage metal, and each joint must be secured with three equally spaced sheet metal screws. The stove pipe must be supported if the span exceeds six feet (6') between the heating unit and the chimney. No horizontal pipe may exceed eight feet (8') in length. No stove pipe running from the heating unit to the chimney connection may have more than two (2) elbows. Stove pipes must end flush with the inner surface of the chimney flue liner. The smoke pipe must have at least a one quarter inch ($\frac{1}{4}$ ") per foot drop running from the chimney to the heating unit. A minimum of at least an eighteen inch (18") clearance must be maintained between the stove pipe and any combustible material.
- D. Chimney connector: When the stove pipe passes through a combustible finished wall, the clearance must be at least three (3) times the diameter of the pipe; e.g., the clearance must be eighteen inches (18") for a six inch (6") pipe. The clearance must be protected by one quarter inch ($\frac{1}{4}$ ") asbestos board, and twenty-four (24) guage sheet metal.
- E. Ashes: The ashes must be contained in metal containers, and stored outside the building.

Section 4. Penalty.

- A. First Offense - Any person, firm or corporation violating any provision of this ordinance shall be fined not less than Ten (10) Dollars nor more than Three Hundred (300) Dollars for each offense.
- B. Continuing Offenses - A separate offense shall be deemed committed on each day during or on which a violation occurs or continues.

Section 5. This Ordinance shall take effect immediately upon enactment.

Duly enacted and ordained by the Board of Supervisors
of West Bradford Township this 12th day of January,
1982.

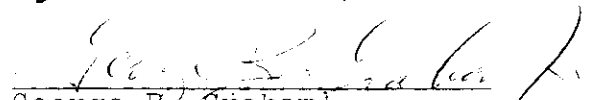
Board of Supervisors,
West Bradford Township



Samuel Wagner

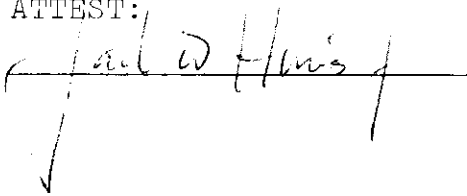


Jonathan D. Wood



George R. Graham

ATTEST:



Paul W. Harris

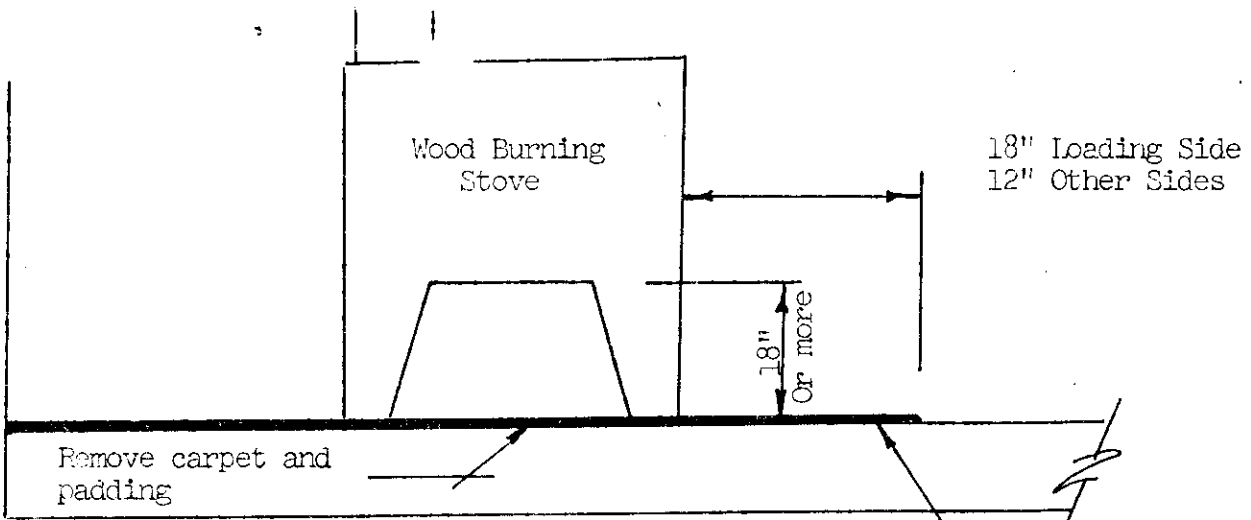


Figure I.

24 gauge (min.)
Sheet Metal

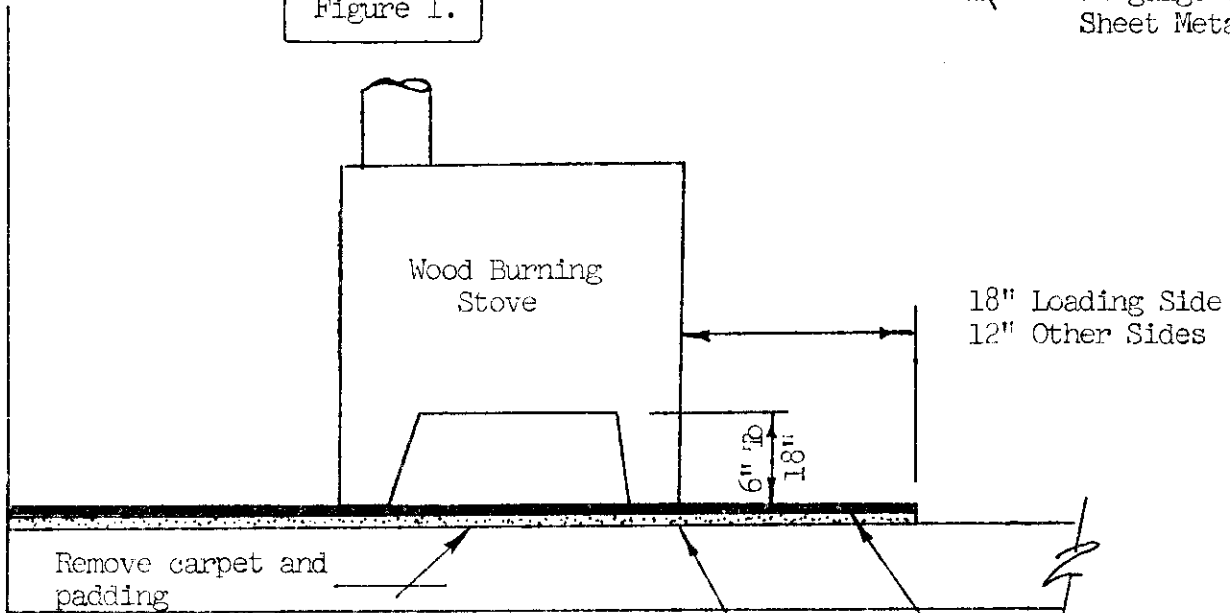


Figure II.

24 gauge (min.)
Sheet Metal

1/2" Asbestos
Board

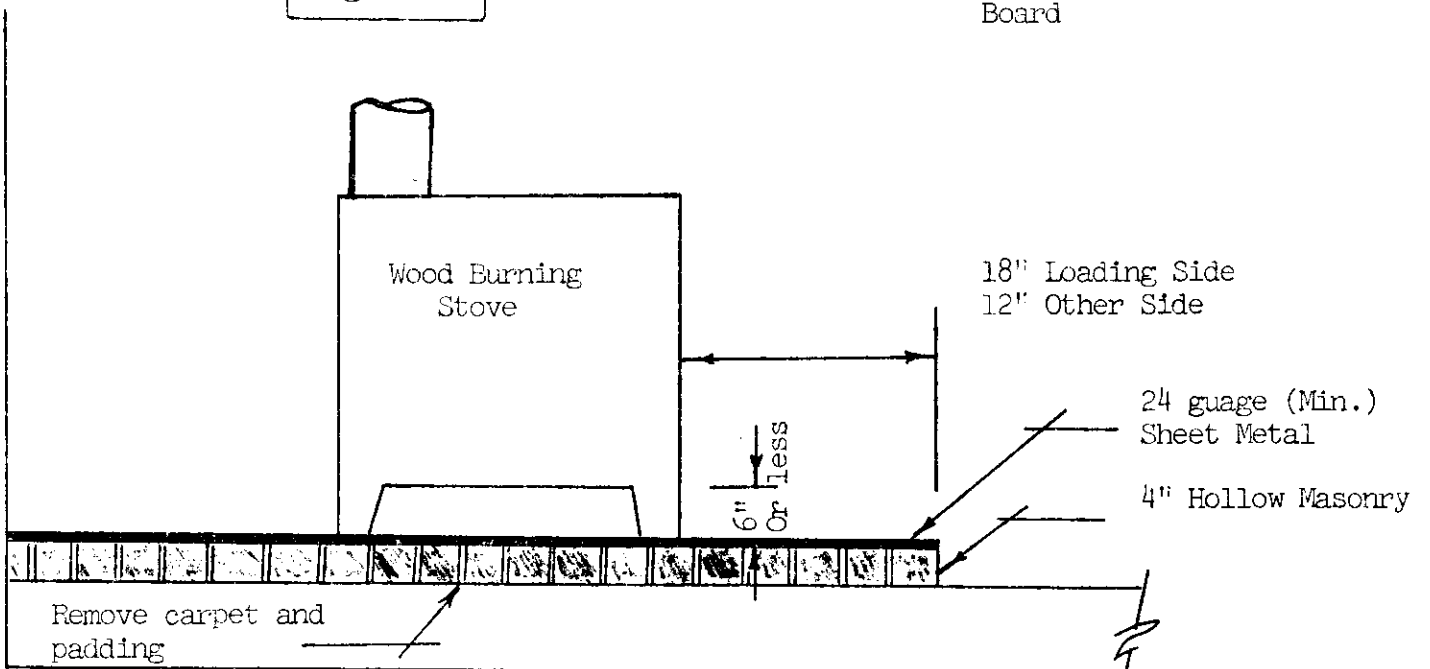


Figure III.

24 gauge (Min.)
Sheet Metal

4" Hollow Masonry

MINIMUM CLEARANCES WHEN NOT INSTALLING MASONRY OR ASBESTOS MILLBOARD BEHIND WOODBURNING STOVE.

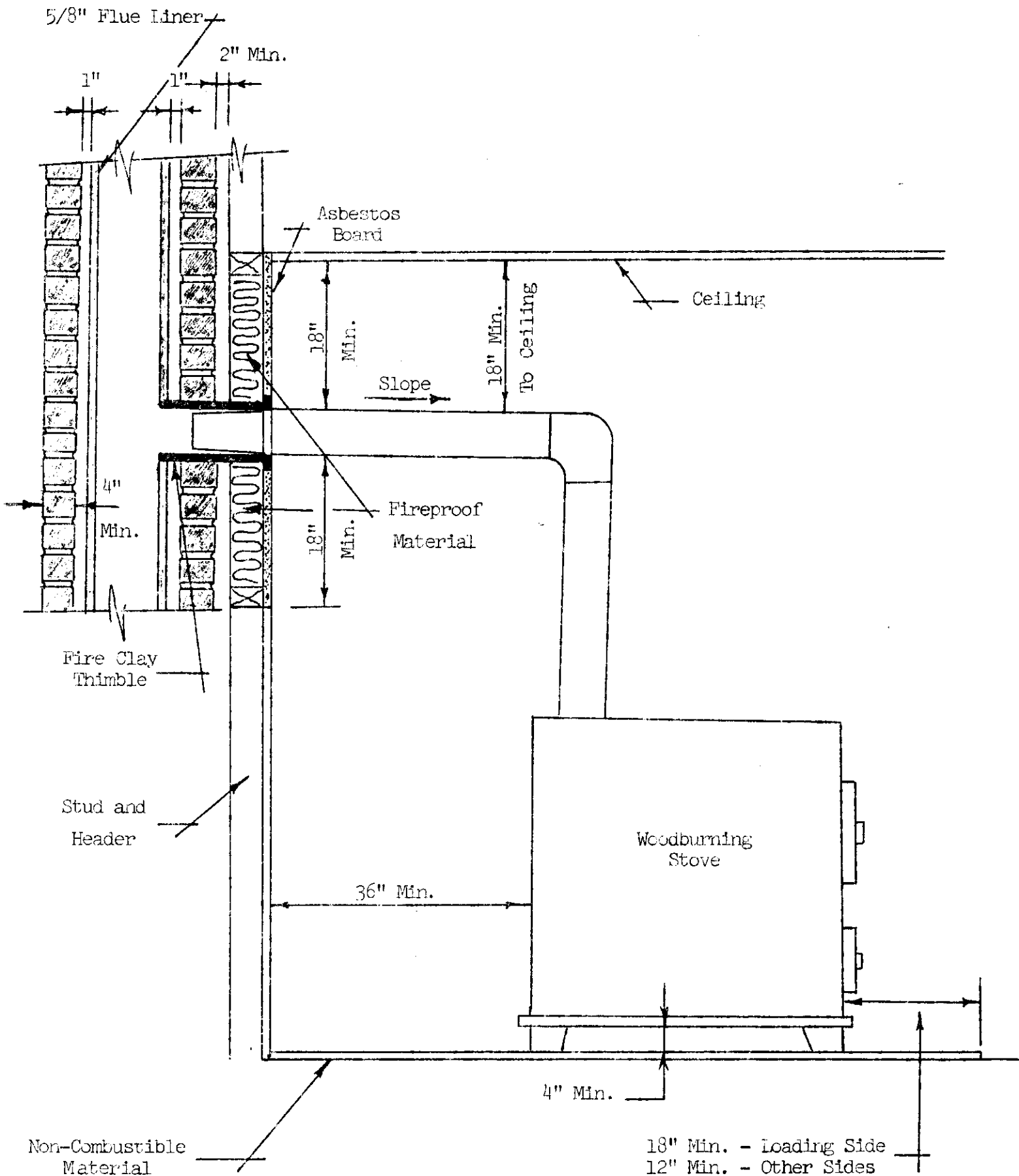
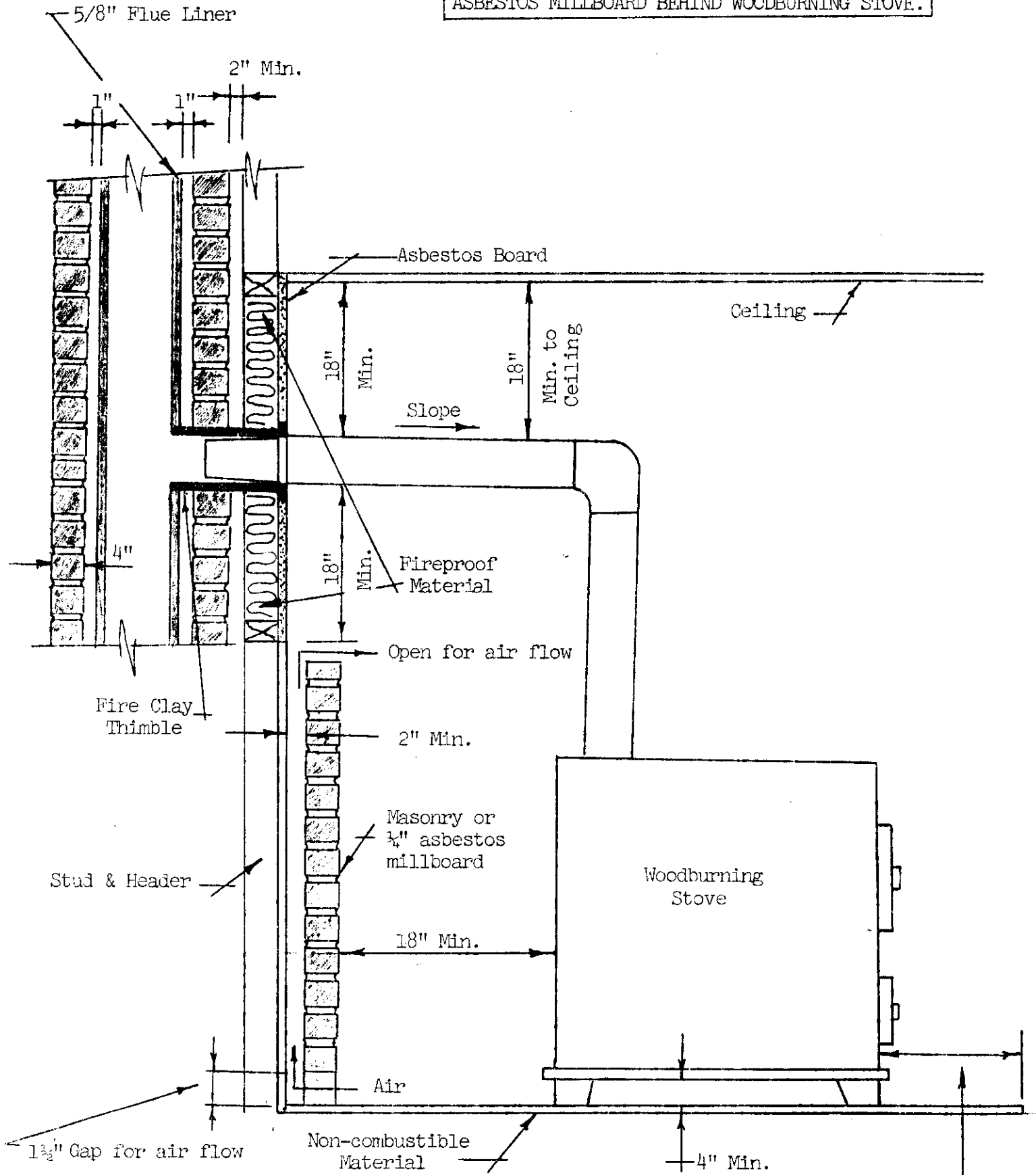


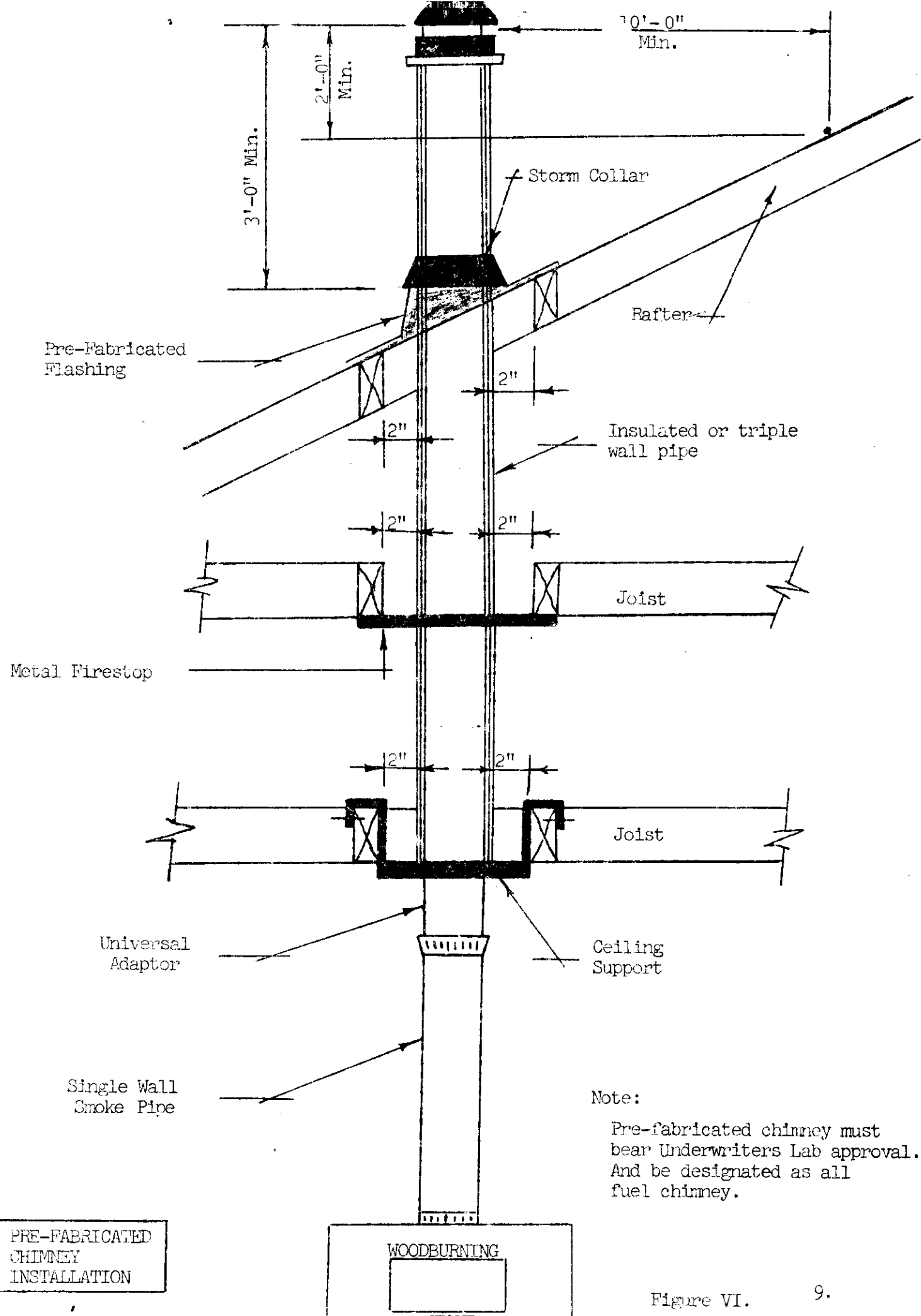
Figure IV.

MINIMUM CLEARANCES IF INSTALLING MASONRY OR ASBESTOS MILLBOARD BEHIND WOODBURNING STOVE.



18" Min. - Loading
 12" Min. - Other

Figure V.



Note:
 Pre-fabricated chimney must bear Underwriters Lab approval. And be designated as all fuel chimney.

PRE-FABRICATED
 CHIMNEY
 INSTALLATION

WOODBURNING

Figure VI. 9.