

# FIREPLACE PERMIT TIPS

To obtain a permit, please visit <https://bolingbrookil.viewpointcloud.com/> and submit the following:

1. The online permit application.
2. Current plat of survey showing all existing site improvements plus location of fireplace, including distance to any property line, if applicable.
3. Floor plan of room showing location of fireplace and distance to walls.
4. If fireplace is pre-fabricated:
  - a) Unit must be approved by an authorized testing agency, i.e., U.L., A.G.A., Factory Mutual.
  - b) Submit installation manual showing approval of agency.
  - c) Unit should be installed according to manufacturer's specifications.
  - d) If outside chase is used, show method of support. A cantilevered chase requires additional bracing for sagging. If closer than eighteen (18) inches to ground, must have concrete foundation.
  - e) Type of insulation used in outside chase--reduces air infiltration and condensation.
  - f) Location of combustion air inlets--if used.
  - g) Electrical wiring size and type if needed--see Electrical Inspector.
  - h) Inside of chase must be insulated and drywalled per local code.
5. If masonry fireplace, include details on:
  - a) Foundation.
  - b) Chimney wall thickness, material.
  - c) Flue lining.
  - d) Flue area, firebox opening area.
  - e) Clearance--chimney to combustibles, minimum two (2) inches.
  - f) Firebox wall thickness.
  - g) Firebox lining--type, thickness.
  - h) Clearance--firebox walls to combustibles, minimum two (2) inches.
  - i) Hearth extension--width and length, materials.
  - j) Combustibles around opening--mantle, trim clearances.
  - k) Spark arrester required.
6. Indicate any changes in heating duct outlets, electrical receptacles, windows, or structural framing. Cutting of engineered floor or roof trusses not allowed.
7. Height of chimney above roof, location on roof, pitch of roof.
8. Gas piping size and type if used. See Plumbing Inspector.
9. PLAN REVIEW FEE: \$ 50.00. Plan review fee must be paid when application is submitted. Building permit/inspection fees will be determined after completion of review.

All general and subcontractors must be currently registered with the Village of Bolingbrook, Building Division in accordance with Chapter 10 of the Bolingbrook Municipal Code prior to issuance of a Building Permit.

- A minimum of two inspections must be performed on a fireplace:
  - Rough: Prior to covering structural, electrical, or mechanical changes.
  - Final: Upon completion.Before any concrete is poured an inspection is also required.
- On masonry fireplaces, firebox parging must be inspected before it is covered. Chimney liner must be inspected at halfway point.
- Minimum 48-72 hour notice on all inspections. Call 630/226-8470 to schedule inspection.

Placement/Lot Coverage questions: Planning & Zoning Division 630/226-8460

Construction/Permit questions: Building Division 630/226-8470

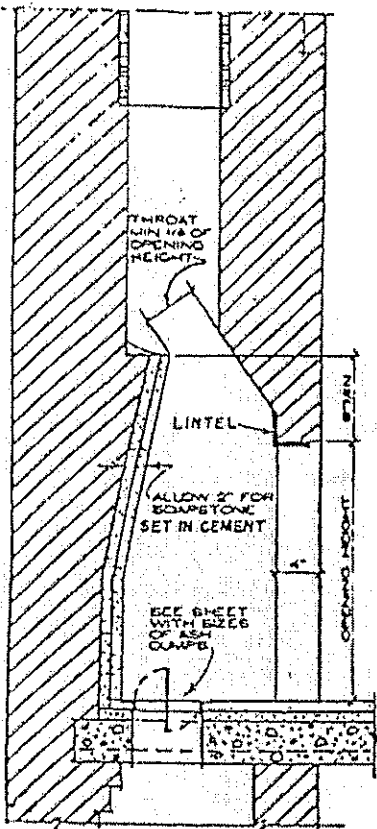
*Please note: Processing time is 15-20 working days; however, if the application is incomplete the review time may be longer.*

BOLINGBROOK PUBLIC SERVICES & DEVELOPMENT DEPARTMENT 630/226-8460

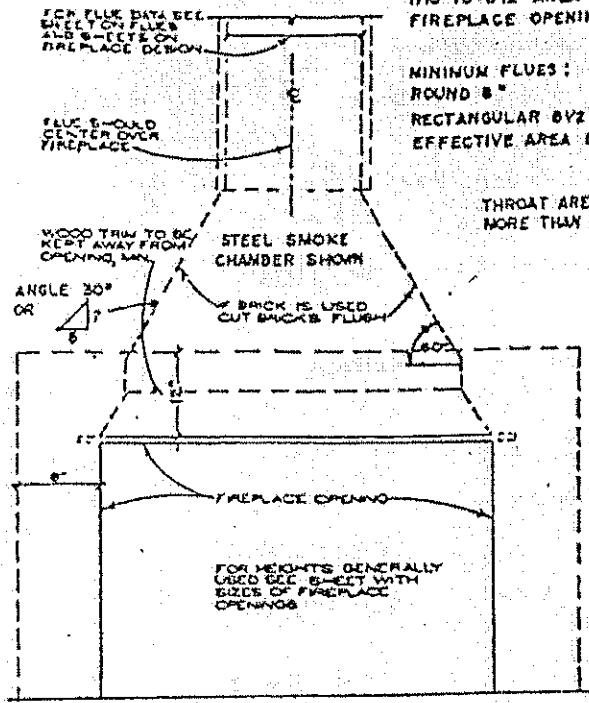
**Apply Online and Track Your Permit Status at:**

<https://bolingbrookil.viewpointcloud.com/>

SCALE: 3/4" = 1'-0"



SECTION FIREPLACE WITHOUT DAMPER



SECTION FIREPLACE WITH DAMPER

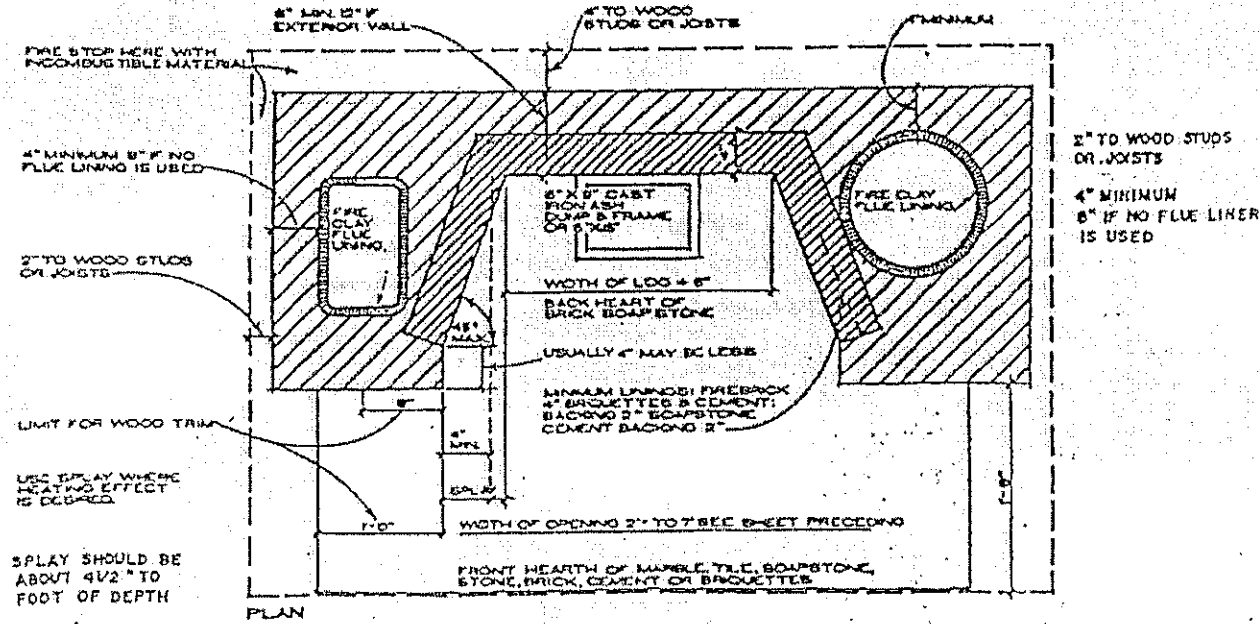
EFFECTIVE FLUE SIZE 1/10 TO 1/12 AREA OF FIREPLACE OPENING

MINIMUM FLUES:  
ROUND 8"  
RECTANGULAR 8 1/2" X 13"  
EFFECTIVE AREA 50.3

THROAT AREA ALWAYS MORE THAN FLUE AREA

AREA OF THROAT SHOULD BE NOT LESS THAN TWICE AREA OF FLUE ELEVATION

SECTION FIREPLACE WITH DAMPER



PLAN

SPLAY SHOULD BE ABOUT 4 1/2" TO FOOT OF DEPTH

USE SPLAY WHERE HEATING EFFECT IS DESIRED

LIMIT FOR WOOD TRIM

2" TO WOOD STUDS OR JOISTS

4" MINIMUM 8" IF NO FLUE LINER IS USED

FIRE STOP HERE WITH INCOMBUSTIBLE MATERIAL

2" TO WOOD STUDS OR JOISTS

4" MINIMUM 8" IF NO FLUE LINER IS USED

8" X 8" CAST IRON ASH DUMP & FRAME OR STEEL

WIDTH OF LOGS 4" 6"

BACK HEARTH OF BRICK SOAPSTONE

USUALLY 4" MAY BE LESS

MINIMUM UNLINED FIREBRICK 4" BRICKS/TILES & CEMENT; BACKING 2" SOAPSTONE CEMENT BACKING 2"

WIDTH OF OPENING 2" TO 7" SEE SHEET PRECEDING

FRONT HEARTH OF MARBLE TILE, SOAPSTONE, STONE, BRICK, CEMENT OR BROQUETTES

# FLUES

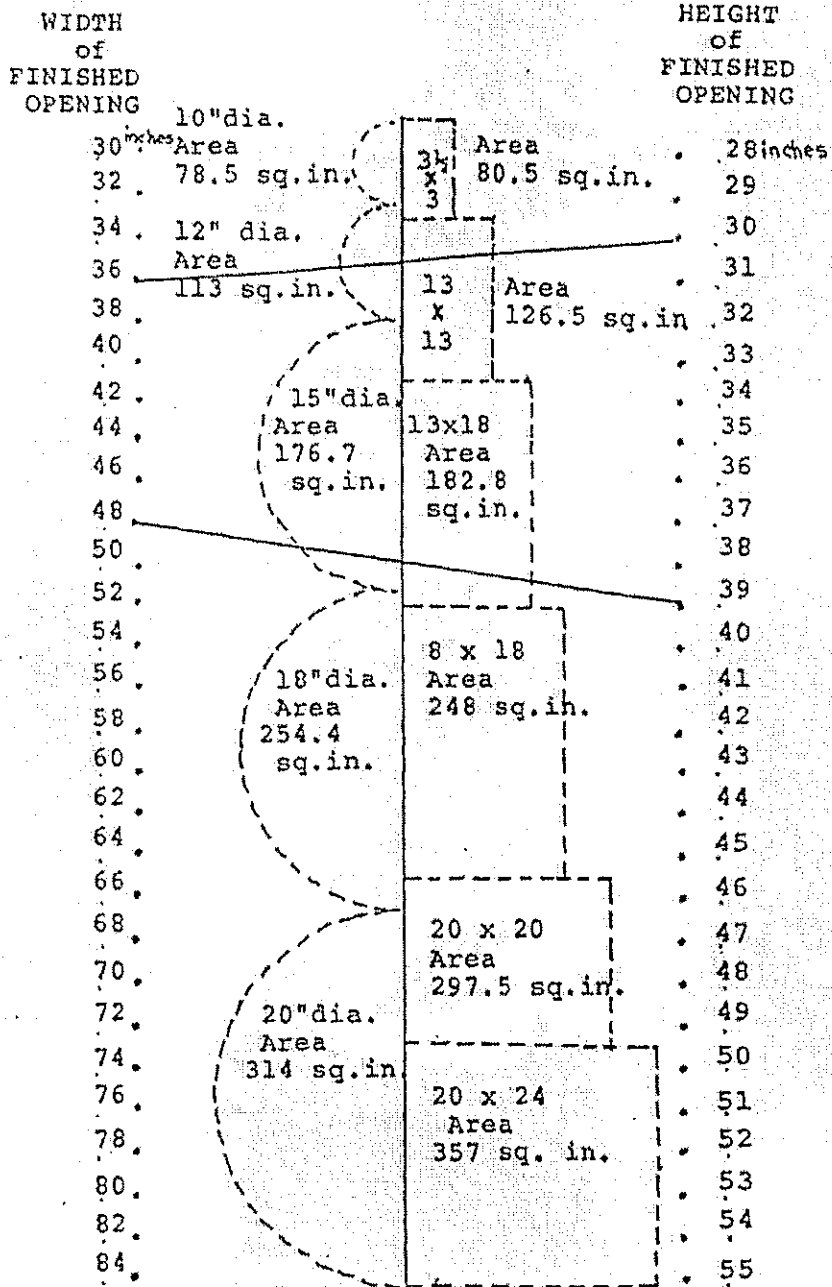
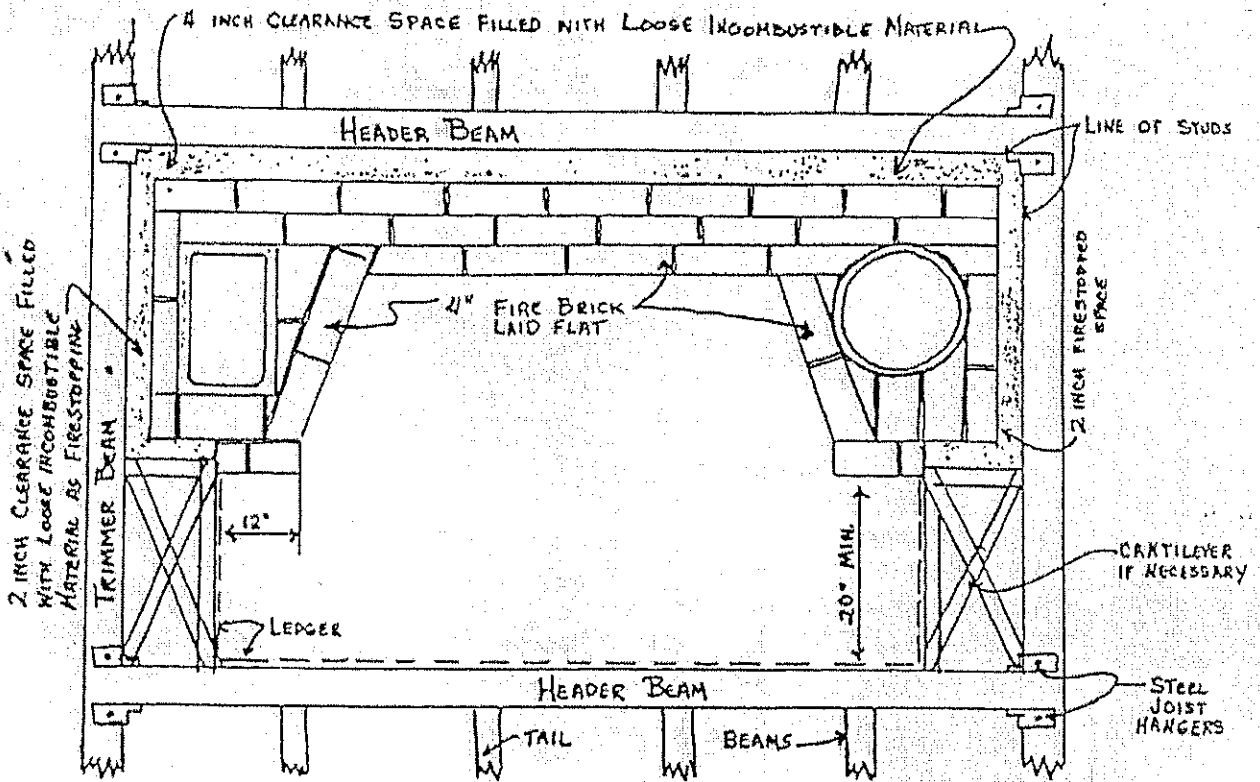
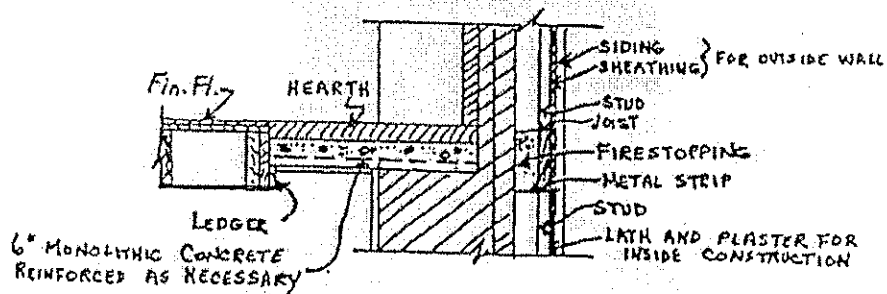


CHART FOR DETERMINING PROPER FLUE SIZES FOR OPEN FIREPLACES

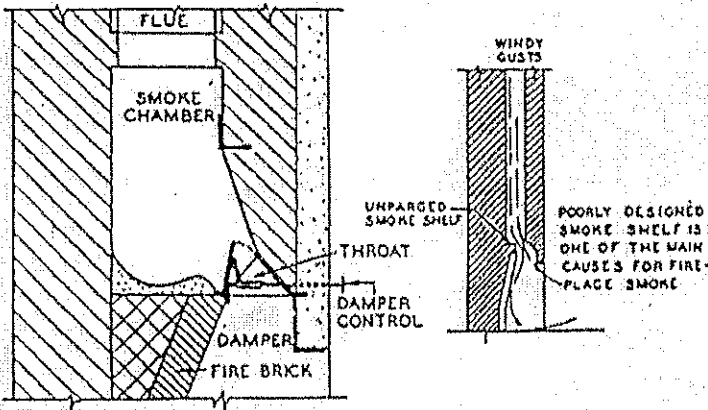
Directions for use: Lay straight edge through dots to numbers indicating width and height of fireplace opening. Proper flue size will be shown at intersection with center line. When straight edge comes between two flue sizes it is advisable to use the larger. Flue sizes are standard, the rectangular being outside dimensions and the round inside diameter. If the flue is 20 feet or less in height it is advisable to use the next larger size flue than that indicated in the table.



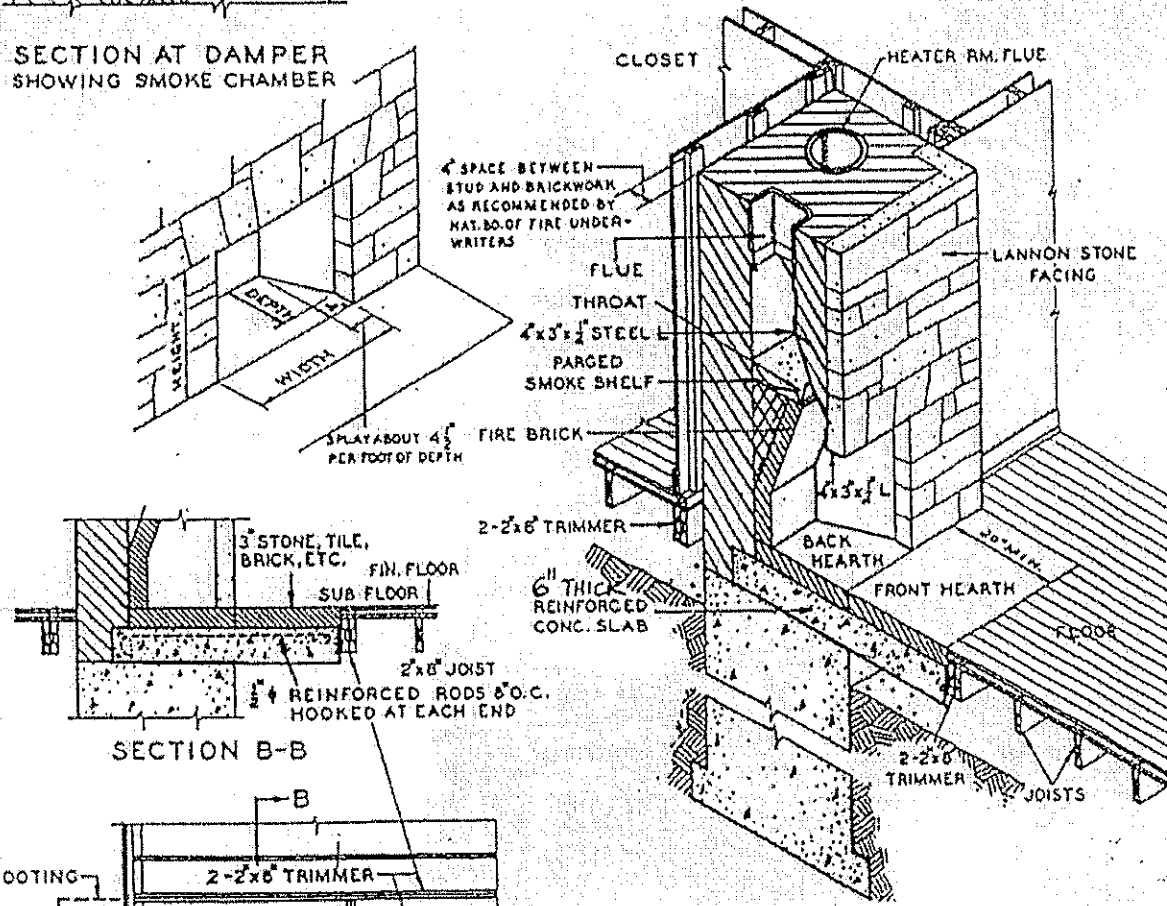
TYPICAL FRAMING AROUND A FIREPLACE



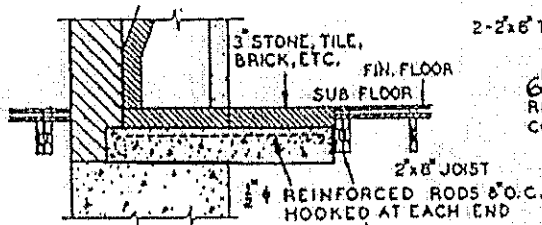
SECTION



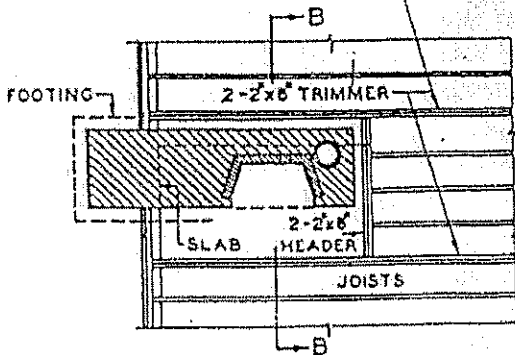
SECTION AT DAMPER SHOWING SMOKE CHAMBER



ISOMETRIC SECTION



SECTION B-B



PLAN VIEW OF FIRE PLACE WELL