

Residential FACTORY-BUILT FIREPLACES, CHIMNEYS, & FIREPLACE STOVES Checklist & Guide for a Building Permit

(Per the 2015 IRC as amended by St. Louis County
Ordinances for 1-& 2-Family Dwellings and Townhouses)



SAINT LOUIS COUNTY
Transportation and Public Works

This **Factory-Built Fireplaces, Chimneys & Fireplace Stoves Checklist** is based on St. Louis County's (SLCO) policies and construction codes as amended and adopted by ordinance. See the Codes list below. This checklist is not a substitute for those codes and ordinances, but serves as a guide to reading them. More information and explanation is provided in the St. Louis County Single-Family Dwelling Design Checklist, and in commentaries and interpretations published by St. Louis County and acknowledged code organizations



List of Applicable Codes and Ordinances:

2015 International Residential Code (IRC) & Ordinance #27,654-Ch.1116 ("R" "G", "N", and "M" references and Appendix K - Sound Transmission).

2015 International Building Code (IBC) & Ordinance #27,654-Ch.1116\5 ("B" references).

2015 International Property Maintenance Code (IPMC) & Ord. #27,617-Ch.1110 ("PM" refs.)

2014 National Electrical Code (NEC) aka NFPA 70 & Ordinance #27,430-Ch.1102 ("E" refs).

For inquiries regarding the information provided in this guide, please contact:

St. Louis County Permit Processing _____ (314) 615-5184

St. Louis County Zoning Review _____ (314) 615-3763

St. Louis County Building Plan Review _____ (314) 615-5485

Right-of-Way Owner

State _____ (888) 275-6636

County _____ (314) 615-8517

Municipality _____ Call the project site's Municipality

St. Louis County's Municipal Contracts Matrix shows those municipalities that currently contract for its Code Enforcement services. The Matrix is on our web site at <https://stlouiscountymo.gov/st-louis-county-departments/transportation-and-public-works/residential-building/>

For the electronic plan review, scan QR code or visit us online at <https://stlouiscountymo.gov/st-louis-county-departments/transportation-and-public-works/electronic-plan-review/>



Sections from the Codes, their Referenced Standards, and St. Louis County Ordinances, are shown at ends of statements and are *italicized* in parentheses (.).

NOTICES Regarding Permits



- The applicant (property owner or the owner's authorized agent) is responsible for contacting those applicable agencies that may be affected by the new work, or that may have legal oversight of the new work along with but separate from St. Louis County. Where requirements among the agencies conflict, the most restrictive shall govern the new work. Contact these agencies before beginning work approved under a permit issued by St. Louis County. Such agencies may include:
 1. The project site's Municipality;
 2. The Local Fire Protection District;
 3. The Transportation Department;
 4. Subdivision Trustees.
- Building permit issuance does not authorize construction access to the work site. If a driveway does not exist or cannot be used, the owner/contractor must apply for a permit with the owner of the Right-of-Way to construct somewhere else a temporary entrance into the work site. So, draw 1 or 2, as noted below, on the site plan:
 1. Draw the existing driveway with an arrow on it pointing into the lot and labeled "construction entrance";
OR
 2. Show and label an alternate access with an arrow pointing into the lot and labeled "construction entrance". Note on the site plan: "A separate special use permit shall be obtained from the street right-of-way owner for a construction entrance before any construction accesses the work site".
- **Licensed (bonded and insured) Electrical, Mechanical, and/or Plumbing (MEP) Contractors** may sign on to a residential building permit application; as long as each trade's proposed new work is provided in the drawings. When any of the Contractors sign on to a Building Permit Application before it is approved and issued, the application and permit becomes an Integrated Permit.
- **The Installer/Contractor of the factory-built fireplace, chimney or fireplace stove** must be a registered financial responsible (bonded and insured) or licensed contractor authorized to do mechanical work. Homeowners performing their own work may obtain a permit to do mechanical and/or building work within their own dwelling, with no requirement to be registered or licensed to perform mechanical work.
- **Structural alterations proposed** to the existing building must be drawn and submitted as an **electronic** set properly sealed by a Missouri registered Design Professional. Please be aware properly sealed structural calculations may also be required by the Plan Reviewer, depending on the alterations proposed and adequacy and completeness of sealed drawings submitted.
- Only alterations as shown in approved and issued permit drawings shall be provided in the field. If the Field Inspector finds otherwise, a separate permit application submitted with properly sealed structural drawings and calculations shall be required for review of the outside-work scope alterations.
- **Properly sealed drawings means** the first sheet of the **electronic submitted set is electronically** sealed, signed, dated by a Missouri registered engineer or architect, with subsequent sheets of set bearing the registered design professional's **electronic** seal. The first sheet, or the title block of each sheet in each set submitted, is to note the design professional's business address and contact number, and is to also include the project address, owner name(s) and a description of the new work proposed. Any revisions to drawings are to be highlighted by clouding or by another easily recognized method.

- **Properly sealed calculations** means the cover sheet shall be **electronically** sealed, signed, dated by a Missouri registered professional engineer or architect, with subsequent pages sequentially number and totaled, and starting with the cover as page 1. The design professional shall include on the cover his/her contact number and business address, as well as the project's description of work, the project address and the property owner name(s); and shall provide in the calculations the Code Basis of Design.
- **The Plan Reviewer** may determine the proposed work, construction, or conditions require additional drawings and information be submitted to Code Enforcement-Plan Review for review, beyond the minimum submittal requirements noted in this Checklist.

Submittal Requirements: Construction-Ready Drawings, Their General Notes of Construction, & Zoning



Submit the following drawings and documents with a permit application to provide a **Factory-Built Fireplace, Chimney, or Fireplace Stove** in a residence located in Unincorporated St. Louis County, and in those Municipalities that contract with St. Louis County for Residential Code Enforcement Services. Code and Ordinance Sections in are brackets [.]

- **Electronic Mechanical-only Permit Application** filled out, then signed and dated by the applicant, where NO framing, insulation, or interior finish new work is required for the installation of the fireplace, chimney or stove.
- **Electronic Building (Mechanical is integrated into it) Permit Application** filled out, signed and dated by the applicant, where framing, insulation, or interior finish new work **is required** for the installation of the fireplace, chimney or stove.
- **Drawings, Construction Notes & Installation Manuals**
Submit, as listed below, an **electronic** set of drawings that are scaled, dimensioned and labeled. Also submit other documents and quantities as noted below (*B107.2.1; SLCO Policy*):

Submit the following for **new work that is Mechanical-ONLY**. This means no new work framing or finishes are proposed and; no modifications to the existing framing, with consequent new finishes, are proposed:

1. **Complete electronic set** of the manufacturer's installation manual. The manual must note the proposed new work appliance or assembly is certified, tested by a nationally recognized and approved testing agency. The manual is to bear that agency's label.
2. A Floor Plan of the room where the factory-built fireplace or fireplace stove is proposed, and those adjoining rooms that opens to the area of new work. Label and dimension the location of the appliance in the room. Note the room name by its function. Scale 1/4"=1'-0" typical.
3. In the Floor Plan, dimension the appliance's clearance from the 2 nearest walls. Note on the plan the manufacturer name and model number of the factory-built appliance. Also note on the plan drawing sheet or page the manufacturer's installation manual shall remain on the project site readily available to the Inspector prior to installation and through project completion.
4. Where required as noted in the manufacturer's installation manual, show, label, and dimension in plan the location and extent of an approved protective floor covering material that projects from, and to the sides of, the firebox opening.
Notice: If construction or framing of a hearth is proposed or required, apply for a Building Permit Application; a Mechanical-only permit application cannot be used.

5. For gas appliances, note in drawings the interior gas piping outside the room of the appliance it serves shall have a yellow label marked 'GAS' in black letters spaced at intervals of 5'-0" maximum.
Exception: Steel pipe is not required to be labeled (G2412.5).
 6. For gas appliances, note in drawings each appliance shall have a gas shutoff valve, located in the same room as, and within 6'-0" of the appliance, installed upstream of a required ground joint union. Provide a sediment trap required downstream of the appliance shutoff valve and as close to the appliance inlet as practicable (G2419.4; G2420.5; SLCO Policy).
- Submit the following documents as an **electronic** set for **new work that includes framing and finishes construction with mechanical**. Provide in the documents submittal the 6 items noted above:
 1. **Municipality Zoning approval:** Submit **electronic plans electronically** stamped, signed dated by the Zoning Officer, and/or the completed Zoning application signed and dated approved by Zoning Officer.
 2. **Unincorporated St. Louis County Zoning approval:** Provide an **electronic** set of site plan(s) ONLY where the proposed new work also changes the existing dwelling's footprint (outline):
 - 1) Draw lot layout and dimension the property lines, show North with an arrow. Note the lot number and subdivision name. Dimension and label setbacks and easements.
 - 2) Show and name any existing buildings on the lot that are near the proposed new work.
 - 3) Draw to scale the outline of the main structure with the proposed new work. Dimension and show with heavy line or with dashed line the new work extension or bump-out. Show any existing roof overhangs in and around the area of new work.
 3. **Architectural Drawings:**
 - a. New Work Plan with Construction, Mechanical, and Electrical and work shown and labeled. Dimension the area for the appliance location, including its hearth or protective floor covering, if provided/required. Scale 1/4"=1'-0" typical.
 - b. Demolition Plan, if any existing structure(s) or framing is to be removed. If the demolition areas are small, it may be shown as dashed lines in the New Work Plan. Dimension the areas and extents of demolition proposed. Scale 1/4"=1'-0" typical.
 - c. Structural/framing elevations of any interior walls modified or added and have openings. Scale 1/4"=1'-0" typ.
 - d. Wall Construction/Assembly Section(s), shown from supporting floor framing to the top of flue opening above the chimney or roof framing. Sections shall include appliances installed inset into interior or exterior walls. The appliance's entire assembly/installation must be provided in the section(s), from firebox to flue opening shall be shown in the section(s). Scale 1/2" to 3/4"=1'-0".
 - e. Construction/Assembly/Connection Details, scale 1/2" to 1-1/2"=1'-0".
 - f. The Sections and Details drawings noted above are to provide and include:
 - 1) The clearance dimensioned from combustibles (framing and finishes) to the appliance, meeting at least the minimum distances required by the manufacturer's installation manual.
 - 2) Chimney Flue, its type, diameter/size, and the flue's required clearance from combustible materials. The chimney flue is to be enclosed with drywall or equivalent materials at all floors above the appliance's floor location. The chimney flue may be exposed in the attic.
 - 3) Firestops at ceiling of each floor above the appliance's floor location, and at the attic.

- 4) Dimension the depth of the framing enclosure around the appliance, where applicable. Dimension the hearth extension from the opening, the hearth height above the floor, and label the hearth materials.
 - 5) Hearth size and materials must comply with requirements of the manufacturer's installation manual, **OR** be solid masonry 4" thick minimum with hearth size required based on area of firebox opening:
 - a) 6 sq. ft. of or more opening = Hearth projects outward 20" minimum and extends 12" minimum from each side of opening;
 - b) Less than 6 sq. ft. of opening = Hearth projects outward 16" minimum and extends 8" minimum from each side of opening.
- **See the example drawings at the end of this checklist** for reference in completing your own project-specific drawings. The items listed below are Code and Ordinance requirements for Residential Factory-Built Fireplaces, Chimneys and Fuel-Burning Stoves that are to be provided in your drawings and notes.

Design, Construction & Finish Requirements



The following are minimum requirements are to be noted and provided in drawings submitted for a permit, where framing and/or alterations are proposed with the installation of a Factory-Built Fireplace, Chimney, or Fireplace Stove:

Framing & Structure

1. Any existing walls removed or modified must be identified as bearing or non-load bearing on the plans. Alterations to bearing walls must be submitted in structural drawings and calculations properly sealed by a Missouri architect or engineer. Beam deflection analysis may be required (*R301.1*; *R301.1.1*; *R301.1.3*).

Sealed structural drawings shall be scaled, dimensioned, and labeled, and include:

 - a. Plan layouts of each floor and of roof/ceiling showing tributary area and direct loads bearing on the structural alteration(s) proposed and;
 - b. Building section-elevation showing the proposed altered structure's complete load pass from roof to soils and;
 - c. Structural members shown, labeled, and sized that are in the load pass of the proposed altered structure or are affected by the alteration.
2. Where new work floor framing cantilevers beyond existing foundations or existing wall framing below, provide floor framing plan and section drawing(s) of structural framing and connections requirements. In the plan, show and label existing and new work framing. Label framing materials species, size(s), and grade(s). Dimension length and width/extent of new work framing to be sistered to existing floor framing. Show and label blocking between joists at bearing wall below. Show and label in section drawing fastener requirements, including type, grade of steel, diameter, length, spacing. Sealed drawings and sealed calculations may be required (*R502*; *R301.1.3*).
3. Alterations proposed to, or the proposed additional loading of, existing roof trusses and/or engineered wood products must be provided in an **electronic** set of structural drawings and details properly sealed by a Missouri registered engineer or architect. Sealed structural calculations may also be required for submittal and review to justify the structural adequacy of existing members to be altered or additionally loaded (*R1005.5*; *G2401.1*; *G2405.2*; *G2405.3*).

4. Non-load bearing partitions shall be minimum 2x4 framing at 16" or 24" o.c. with minimum 1 bottom and 1 top plate and minimum 1/2" gypsum board finish both sides (*R702.3; R702.3.2*).
 5. **Provide** fireblocking of 2" lumber, 23/32" structural wood panel or other approved materials at the following locations (*R302.11; R302.11.1*):
 - a. Vertically-placed at frame ceiling and floor levels.
 - b. Horizontally-placed, maximum 10'-0" intervals at the top and bottom of conventional, double stud, furred spaces and staggered stud frame walls.
 - c. Vertical and horizontal concealed connections in soffits, dropped and cove ceilings.
 - d. Openings around vent, pipe, duct, cable and wire penetrations of ceilings and floors.
 6. Show and label chimney cricket construction that is required where the side of the chimney framing runs parallel to the roof ridge for more than 30" in length. Intersections shall be shown and labeled flashed and counter-flashed (*R1003.20*).
- **Insulation**
 1. Insulation already existing in exposed exterior framing may remain. Where NO insulation exists, provide minimum R-15 insulation in exterior frame walls and minimum R-38 insulation in ceilings with unconditioned attic space (*N1101.5; SLCO Rev. Ord. Table N1102.1.2*).
 2. Keep packaging of new work Foam plastic insulation on-site available to Inspector that (*R302.8; R316*):
 - a. Bears the label of an approved agency with manufacture name, product listing, product identification, and adequate information to verify Code compliance (*R316.2*).
 - b. Has maximums of 75 surface-burning flame spread index and 450 smoke-developed index, with maximum thickness installed tested per ASTM E 84 or UL 723 (*R316.3*).
 - c. Be separated from building interior by an approved thermal barrier, like 1/2" gypsum wallboard or 23/32" wood structural panel, or an approved material tested per NFPA 275 (*R316.4*).
 - **Finishes**
 1. **General - Interior finish materials** shall have a maximum flame spread index of 200 and a maximum smoke development index of 450 (*R302.9*).
 2. **For the floor protective covering or hearth**, show, dimension, and label the materials required. The materials provided must be in accordance with the requirements of the appliance's listing and as noted in the appliance manufacturer's installation instructions (*M1414.2*).

Smoke & Carbon Monoxide Alarms



- With the provision of a factory-built fireplace, chimney or fuel-burning stove, the residence smoke and carbon monoxide alarm systems shall be verified as, or shall be made compliant with, 2015-IRC requirements as follows (*R314; R315*):
 1. Smoke alarms AC powered and have battery backup, shall comply with NFPA 72, and shall be listed in accordance with UL 217 (*R314.1; R314.1.1*).
 2. Place smoke alarms (*R314.3*):
 - a. In each sleeping room between the room's entrance and the bed;
 - b. Outside the sleeping room (like a hallway), and in the immediate vicinity of the entry to each separate sleeping room and upstream from any return air grille;

- c. On floor levels with no sleeping rooms or bedrooms, such as basements and habitable attics.
 - d. On the upper level of a split level dwelling without a door between the levels and where the adjacent lower level is less than 1 full story below the upper level.
 - e. On both levels of a split level dwelling where a door does intervene between the levels, or where the levels are 1 full story apart.
3. When more than 1 smoke alarm is required within a dwelling unit, interconnect alarm devices so that activation of 1 alarm will activate all alarms throughout the dwelling unit (*R314.4*).
 4. Provide a carbon monoxide alarm outside of each separate sleeping area in the immediate vicinity of the bedrooms in a dwelling with a fuel-fired appliance or with an attached or basement garage (*R315.2; R315.3*).
 5. Provide a carbon monoxide alarm in a bedroom in the space between a bed and the fuel-burning appliance, including appliances in a bathroom that opens to the bedroom (*R315.3*).
 6. A carbon monoxide alarm shall be AC powered and have battery backup and be listed per UL 2034. A combination carbon monoxide/smoke alarm shall be listed in accordance with UL 2034 and UL 217 (*R315.1.1*).
- **Location**
 1. The fireplace appliances and their requirements noted in this checklist are for residential interior installations only.
 2. Fireplace appliances shall not be installed in locations prohibited by Section G2406 (*G2432.3*).
 3. Fireplace appliances proposed for installation outside must be listed for the outdoors. OR the appliance must be adequately protected from the outdoor environment that can impact its operability, durability, and safety (*G2401.1; G2406.3*).
 - **Other Fire/Fuel Burning Constructions**
 1. For masonry heaters and masonry chimneys, see 2015-IRC Sections R1002 and R1003.
 2. For all-masonry fireplaces (including Rumford fireplaces) and all-masonry chimneys, see 2015-IRC Section R1001.

Mechanical Requirements for Factory-Built Fireplaces, Chimneys, & Fireplace Stoves



The following minimum requirements are to be noted and provided in drawings submitted for a permit:

- **Factory-Built Fireplaces**
 1. A Vented Gas Fireplace aka 'Decorative Appliance' shall be noted as tested/approved in accordance with ANSI Z21.50, and shall be designed and equipped as required in item 2 below. Appliance service panels, grilles, and access doors shall not be attached to the building (*G2434.1; G2434.2*).
 2. A Vented Gas Fireplace, proposed for installation in an approved solid-fuel-burning fireplace, shall be tested/approved in accordance with ANSI Z21.84. To ignite the flame at the main burner, the appliance shall have a direct ignition device, an igniter or pilot flame. The appliance shall have an approved flame safeguard device (*G2434.2*).
 3. An **Exterior air supply** to factory-built or masonry fireplaces for proper fuel combustion is required as follows:

- a. The air ducts for exterior combustion air intake and for the interior combustion air outlet shall be manufacturer-listed components of the fireplace, and both shall be installed in accordance with the manufacturer's installation instructions; OR the exterior combustion air intake/interior combustion air outlet duct(s) provided must be approved as equivalent(s) (*SLCO Rev. Ord. R1006.1.1*).
 - b. The cross sectional area of the exterior combustion air intake passageway shall be minimum 6 sq. in. and maximum 55 sq. in., unless the manufacturer's installation instructions notes otherwise (*R1006.4*).
 - c. The exterior combustion air intake duct shall not be placed higher than the firebox, unless the manufacturer provides otherwise. The exterior combustion air intake duct shall be installed below the firebox base where the inlet is installed inside the fireplace chamber (*R1006.2*).
 - d. The exterior air combustion intake duct shall draw the required combustion air from outdoors or from a naturally ventilated crawl space or attic and shall be covered with a corrosion resistant screen of 1/4" mesh (*R1006.2*).
 - e. The interior combustion air outlet shall be located in the back or side of the firebox chamber or may be located at the level of the hearth within 24" of the firebox opening. The interior combustion air outlet shall be closable and designed/installed so that burning material cannot drop into a concealed combustible space (*R1006.5*).
2. Gasketed doors are allowed only on a factory-built fireplace system specifically tested, listed and labeled per UL 127 for use with such doors (*R1004.5*).

- **Factory-Built Chimneys**

1. Factory-built chimneys must be listed, labeled. Chimney must comply with UL-127 for use with factory-built fireplaces. A factory-built chimney flue proposed within a masonry chimney must be listed for such an installation (*R1003.11.1-Item 3; R1005.1; R1005.4*).
2. Dimension the height of the chimney flue termination (opening) above the roof. The opening must be at least 3'-0" above the chimney's penetration of the roof and at least 2'-0" higher than any portion of the building within 10 feet. Exception: The manufacturer's installation instructions specifies otherwise (*R1003.9*).
3. Chimney flue offsets allowed by the manufacturer shall be limited to an angle 30-degrees maximum from vertical, and the entire assembly shall have 4 elbows maximum. Exception: The chimney manufacturer's installation instructions allows otherwise (*SLCO Rev. Ord. 1005.7*).
4. The effective area of the draft chimney flue for 1 appliance shall be not less than the area of the connector to the appliance (*M1805.3*).
5. The cross-section of the flue area must be at least the area of the flue collar or the flue connector, and maximum 3x the flue collar area. Exception: the manufacturer's installation manual specifies otherwise for a solid-fuel burning appliance (*M1805.3.1*).

- **Fireplace Stoves**

1. Note the Fireplace Stove is tested per UL 737, listed and labeled, and is to be installed as required by its listing. Verify, then show and note in drawings submitted the proposed new work Fireplace Stove is a free-standing, chimney-connected, fuel-burning heater designed to operate with open or closed fire-chamber doors (*M1414.1*).
2. Note the Fireplace Stove shall comply with NFPA 211-13 (*R1002.5; G2427.5.5.1*).

Electrical Requirements



The following minimum requirements are to be noted and provided in drawings submitted for a permit, as applicable to the new work proposed:

- Those existing electrical wall receptacle outlets removed for new work installations shall be replaced with new locations such that no space along a wall is more than 6'-0" from a receptacle. Include in the 6'-0" measurement fixed panels of glass doors and fixed room dividers such as free standing bar-type counters or railings (*E210.52*).
- Provide a new work electrical receptacle outlet in walls 2'-0" wide or more produced by the new work installation (*E210.52(A)(1)&(2)*).
- Any new work floor outlets must be provided in boxes listed for the purpose and within 18" of a wall or fixed room divider (*E210.52*).
- A receptacle outlet provided for a specific appliance shall be installed within 6'-0" of the appliance location (*E210.50*).
- **Notice:** Electrical connections between an appliance and building wiring, including grounding of the appliance, shall be in compliance with 2014-NEC requirements.
- **Notice:** Gas piping used as a grounding electrode is prohibited (G2410.1).

Notice: The preceding requirements apply to most **Factory-Built Fireplace, Chimney, and Fireplace Stove** projects in single-family residences. However, the Plan Reviewer may determine the actual new work shown in the drawings requires additional information be submitted to verify code compliance of the new work proposed. The above requirements are based on the construction codes in effect at the time this checklist was last updated. Please be aware St. Louis County Code Enforcement updates its construction codes every few years.

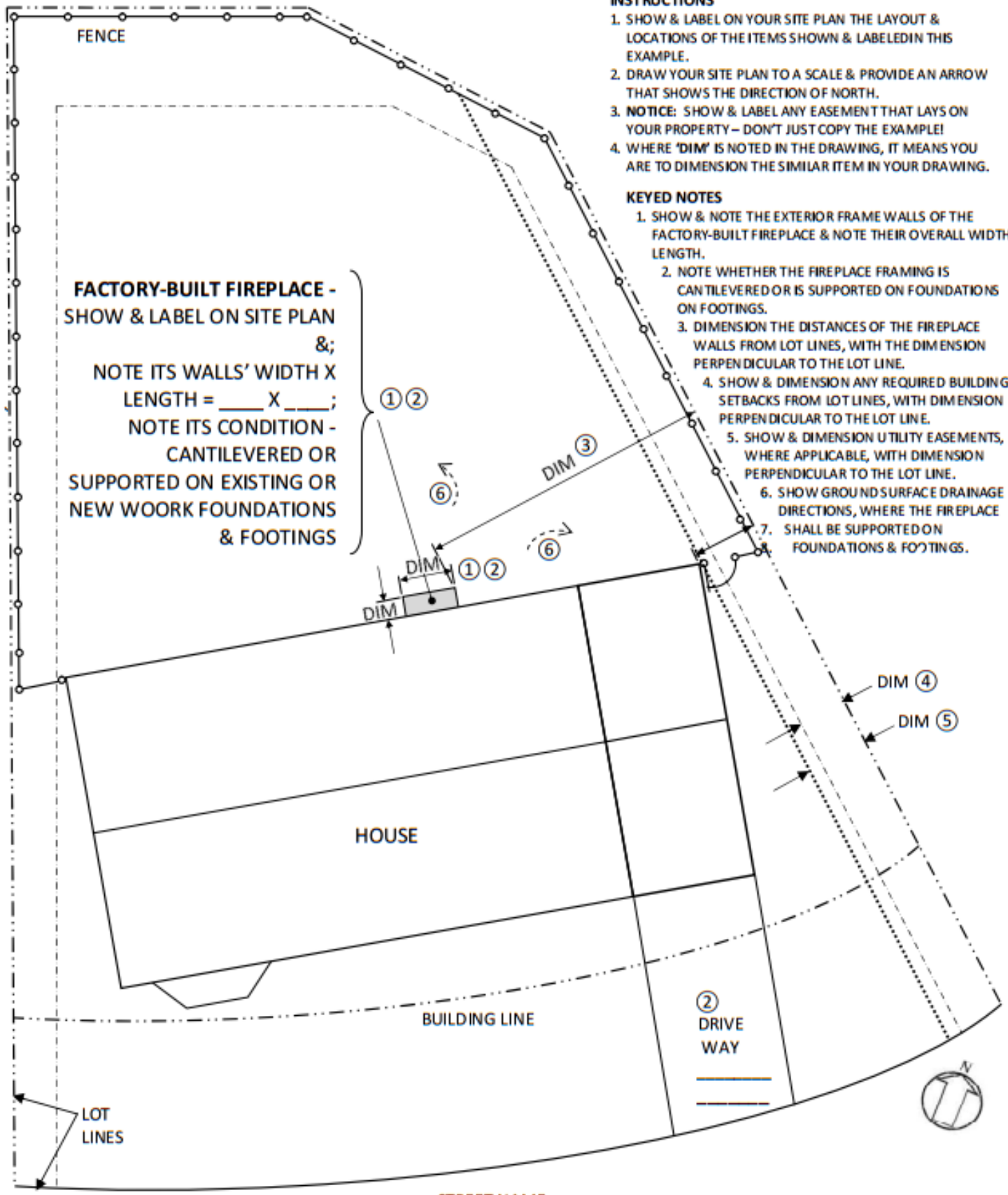
INSTRUCTIONS

1. SHOW & LABEL ON YOUR SITE PLAN THE LAYOUT & LOCATIONS OF THE ITEMS SHOWN & LABELED IN THIS EXAMPLE.
2. DRAW YOUR SITE PLAN TO A SCALE & PROVIDE AN ARROW THAT SHOWS THE DIRECTION OF NORTH.
3. **NOTICE:** SHOW & LABEL ANY EASEMENT THAT LAYS ON YOUR PROPERTY – DON'T JUST COPY THE EXAMPLE!
4. WHERE 'DIM' IS NOTED IN THE DRAWING, IT MEANS YOU ARE TO DIMENSION THE SIMILAR ITEM IN YOUR DRAWING.

KEYED NOTES

1. SHOW & NOTE THE EXTERIOR FRAME WALLS OF THE FACTORY-BUILT FIREPLACE & NOTE THEIR OVERALL WIDTH X LENGTH.
2. NOTE WHETHER THE FIREPLACE FRAMING IS CANTILEVERED OR IS SUPPORTED ON FOUNDATIONS ON FOOTINGS.
3. DIMENSION THE DISTANCES OF THE FIREPLACE WALLS FROM LOT LINES, WITH THE DIMENSION PERPENDICULAR TO THE LOT LINE.
4. SHOW & DIMENSION ANY REQUIRED BUILDING SETBACKS FROM LOT LINES, WITH DIMENSION PERPENDICULAR TO THE LOT LINE.
5. SHOW & DIMENSION UTILITY EASEMENTS, WHERE APPLICABLE, WITH DIMENSION PERPENDICULAR TO THE LOT LINE.
6. SHOW GROUND SURFACE DRAINAGE DIRECTIONS, WHERE THE FIREPLACE SHALL BE SUPPORTED ON FOUNDATIONS & FOOTINGS.
7. SHALL BE SUPPORTED ON FOUNDATIONS & FOOTINGS.

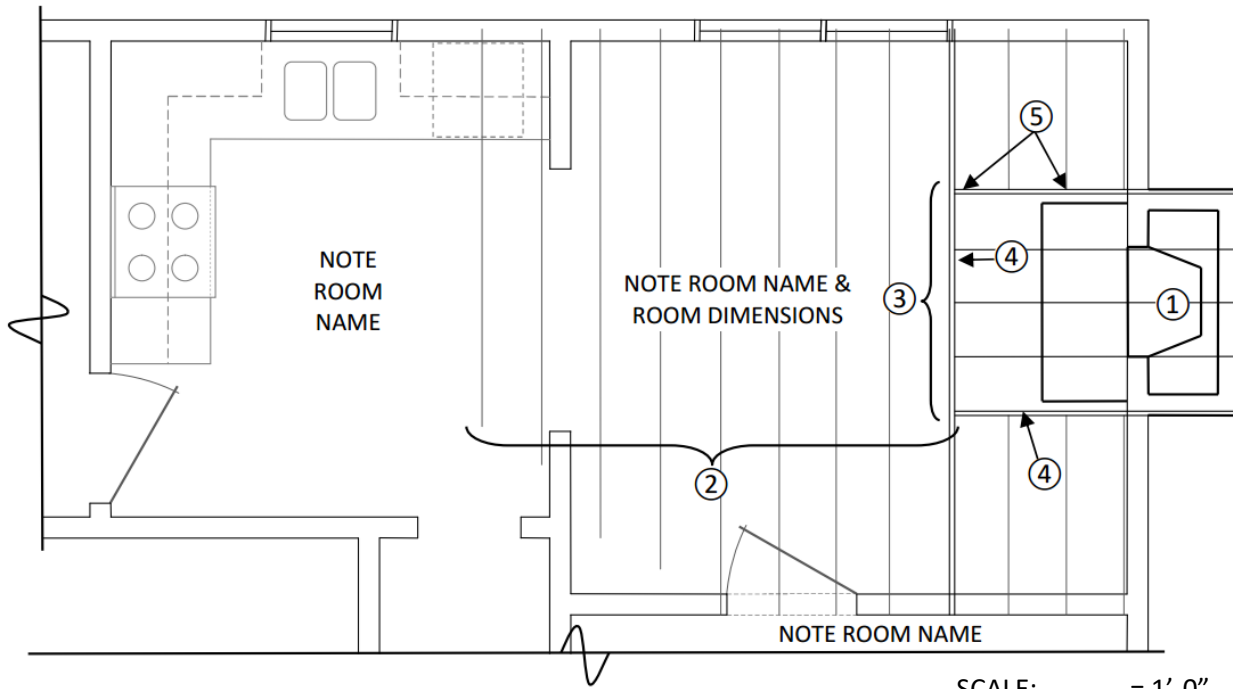
FACTORY-BUILT FIREPLACE -
 SHOW & LABEL ON SITE PLAN
 &
 NOTE ITS WALLS' WIDTH X
 LENGTH = ___ X ___;
 NOTE ITS CONDITION -
 CANTILEVERED OR
 SUPPORTED ON EXISTING OR
 NEW WOORK FOUNDATIONS
 & FOOTINGS



SCALE: ___" = 1'-0"

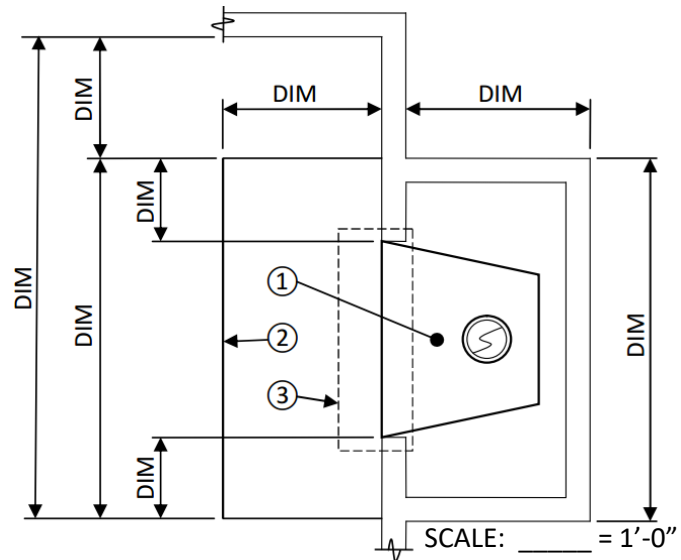
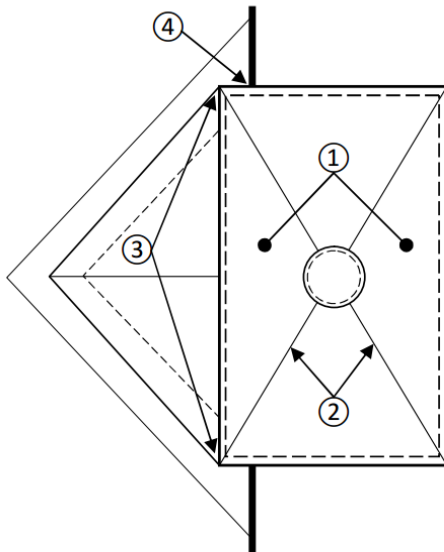
STREET NAME

EXAMPLE SITE PLAN FOR A FACTORY-BUILT FIREPLACE



1. SHOW FIREPLACE OR STOVE LOCATION & NOTE MANUFACTURER, TYPE, SIZE, MODEL NO. OR NAME.
2. SHOW EXISTING FLOOR FRAMING* DIRECTION & NOTE THE JOIST SPECIES, GRADE, SIZE & ON-CENTER SPACING.
3. SHOW & DIMENSION NEW WORK FLOOR FRAMING* & NOTE JOIST SPECIES, GRADE, SIZE, QUANTITY, & O.C. SPACING.
* FLOOR FRAMING PLANS MAY BE DRAWN SEPARATE FROM THE ROOM FINISH PLAN WITH THE FIREPLACE OR STOVE.
4. NOTE FASTENER TYPE, DIAMETER, LENGTH, ROWS, & SPACING FOR ADJOINING STRUCTURAL MEMBERS AND SHOW FASTENER LAYOUT IN FULL-LENGTH SIDE VIEW OF JOINED FLOOR MEMBERS.
5. SHOW CONNECTION DETAILS FOR BEAM & JOIST HANGERS. SHOW AND LABEL CONNECTORS AND FASTENERS.

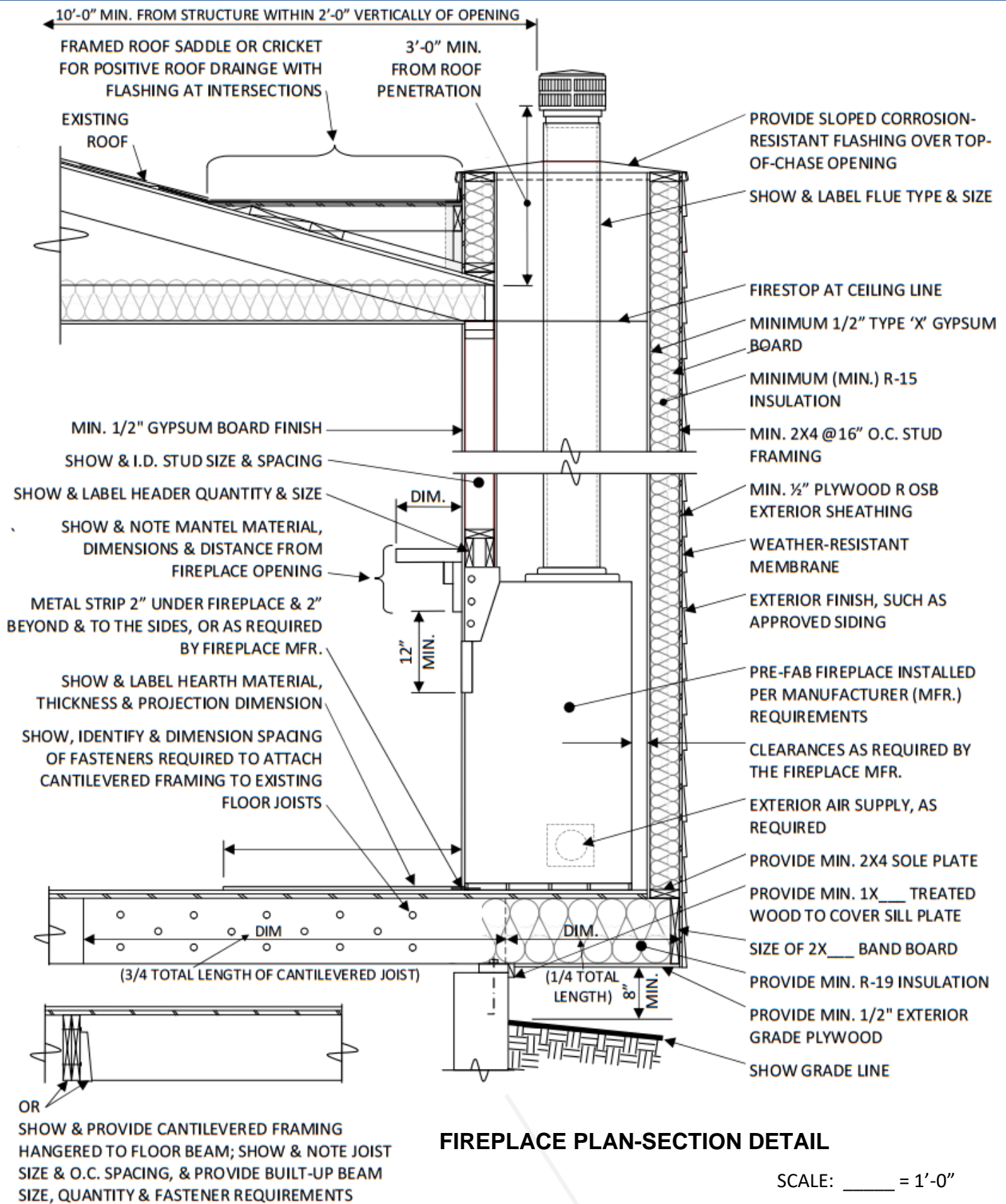
FLOOR PLAN & FLOOR FRAMING LAYOUT REQUIRED



1. LABEL CAP FLASHING MATERIAL
2. PROVIDE ANGLED & SLOPED CAP FLASHING
3. CRICKET EXTENDS FULL LENGTH OF CHIMNEY WALL
4. PROVIDE FLASHING AT ROOF & WALL INTERSECTIONS

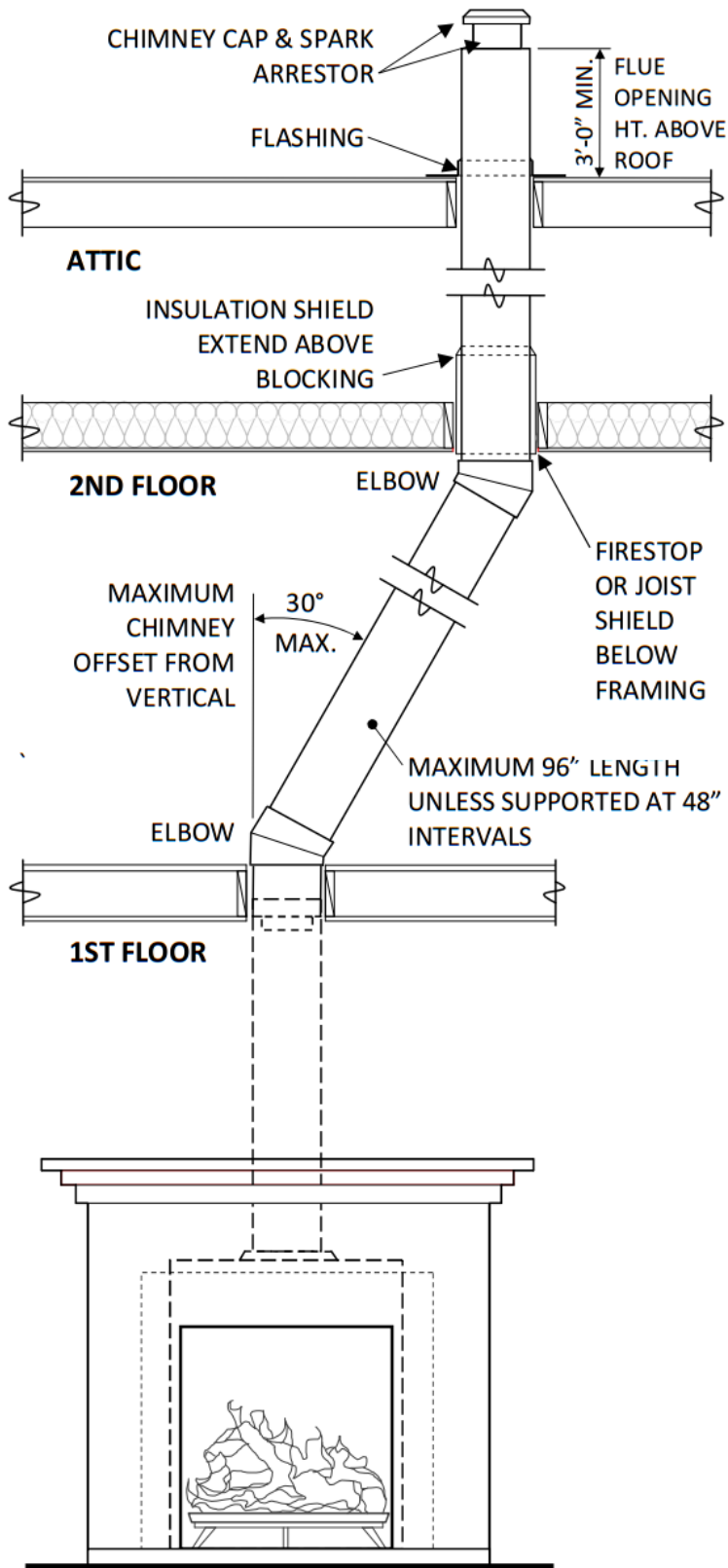
1. NOTE FIREPLACE MFR., TYPE, SIZE, MODEL NO. OR NAME
2. NOTE HEARTH MATERIAL & THICKNESS
3. PROVIDE SHEET METAL SAFETY STRIP PER MFR.

EXAMPLE FLOOR FRAMING & FIREPLACE PLANS



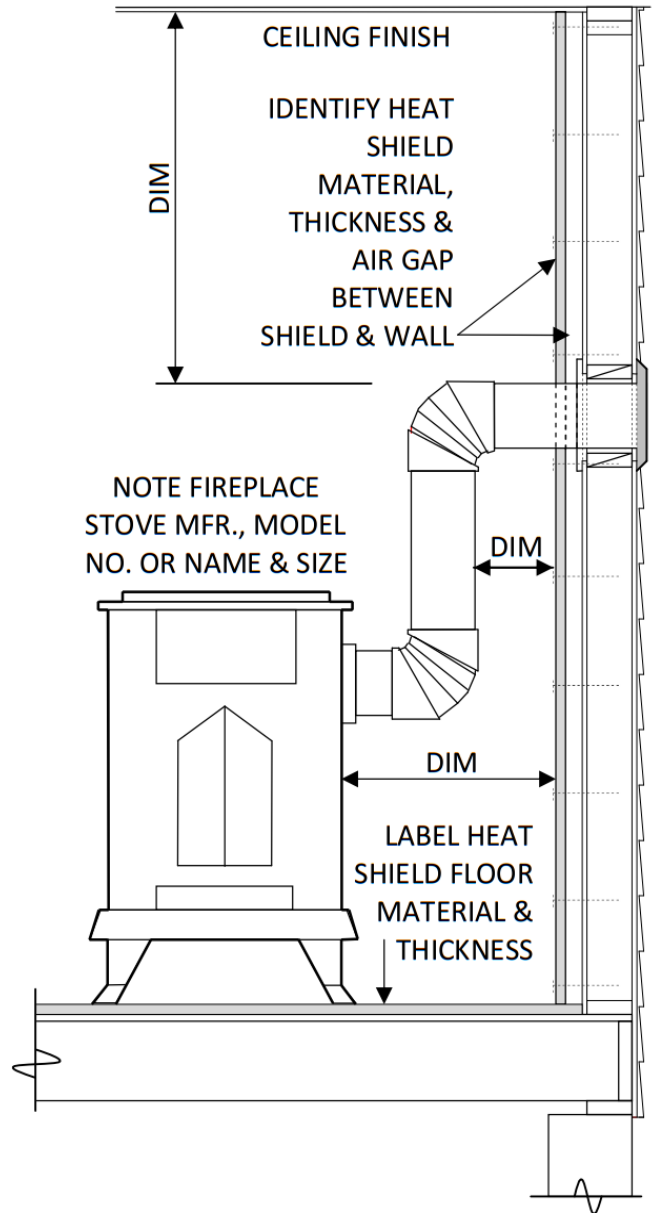
NOTICE: CANTILEVERED BACKSPAN JOISTS NOT FULLY SISTERED TO BACK SUPPORT MAY REQUIRE DRAWINGS SEALED BY MISSOURI ENGINEER OR ARCHITECT, & CALCULATIONS.

EXAMPLE FIREPLACE WALL SECTION



SCALE: _____ = 1'-0"

EXAMPLE CHIMNEY REQUIREMENTS FOR FACTORY-BUILT FIREPLACE



EXAMPLE CLEARANCE AREAS FOR FIREPLACE STOVE

EXAMPLE CHIMNEY/FLUE ELEVATIONS