



Round Grove Products

Installation Instructions

Version 23.05

Intended Product Usage

This product is designed for outdoor use only. This product is designed to burn wood or gas. This fireplace is not designed to sit directly on or adjacent to combustible materials without an acceptable fire break. This product is not designed to be built into a wood-framed structure.

This product is designed to work with the included chimney flue, however additional chimney extensions by Round Grove Products or additional flue pipe may be added for improved aesthetics or draft characteristics. It is acceptable to use a UL-103 compliant, properly sized, prefabricated metal chimney flue. This installation must be in complete compliance with the chimney manufacturer's specifications.

Use solid wood, liquid propane gas or natural gas fuel only

Gas log appliances used with this product must be approved for outdoor use

Do not use a fireplace insert or other product not specified for use within a fireplace enclosure – ANY FIREPLACE INSERT MUST BE APPROVED IN WRITING BY ROUND GROVE PRODUCTS LLC

Do not lay product flat. Doing so will immediately void the product warranty.

Obtain necessary permits from authorities in local jurisdiction and comply with all local building codes

WARNING: FIRE IS HOT AND DIRECT OR INDIRECT EXPOSURE WILL RESULT IN PERSONAL INJURY. PLEASE REMAIN VIGILANT TO SAFETY REQUIREMENTS WHEN USING FIRE IN THIS PRODUCT. ROUND GROVE PRODUCTS LLC IS NOT LIABLE FOR INJURY OR PROPERTY LOSS DUE TO FIRE.

WARNING: BURNING WOOD CAUSES SMOKE. DIRECT OR INDIRECT EXPOSURE TO SMOKE WILL RESULT IN PERSONAL INJURY. PLEASE REMAIN VIGILANT TO SAFETY REQUIREMENTS WHEN USING FIRE IN THE PRODUCT. ROUND GROVE PRODUCTS LLC IS NOT LIABLE FOR INJURY OR PROPERTY LOSS DUE TO SMOKE.

Chimney Extension

The chimney flue termination included in the fireplace represents the recommended minimum amount necessary for positive draw characteristics based on national building code standards. Chimney height must be a minimum of two feet above any combustible structure within ten feet of the chimney termination. Due to site terrain, prevailing winds, vegetation canopy, or nearby structures around your installation site, additional height may be required to achieve proper chimney draw.

This product is designed to be freestanding. In the event additional height is required to comply with building code or improve drafting characteristics, a Round Grove Products chimney extension is recommended. Maximum recommended height of a freestanding outdoor fireplace with chimney extensions is 14 feet, depending on local building ordinances. Chimney stacks above 14 feet should be supported with guy wires or adjacent structures. Always comply with all local building codes.

Insulation

This product is designed to have void air spaces. Do not fill voids in the base, structure, or chimney flue stack with insulation.

Ventilation

The product is designed for use in outdoor spaces only. Therefore, no additional fresh air ventilation or air make-up is required.

Adjacent Framing

At no time should combustible building material be less than 24" in front of the fire box.

Raised Hearth and Mantel Accessories

At no time should a raised hearth be elevated above any portion of the fire box floor. A decorative mantel may be installed above the fire box opening. Mantel dimensions should be less than 10" deep and placement should be at least 12" above the fire box opening.

Inspection, Maintenance, and Use

Please contact a professional chimney sweep annually to inspect and make recommendations regarding the maintenance of your outdoor fireplace.

Moisture in the form of humidity, rain fall, or snow accumulation is the #1 cause of deterioration of outdoor fireplaces. Keep the fire brick as dry as possible and if they become saturated then allow them to air-dry before lighting a very small fire to begin drawing the moisture out of the bricks.

DO NOT OVERFIRE

Overfiring is the #2 cause of deterioration of fireplaces. A fire should only occupy 50% of the fire box.

Excess smoke is the #1 cause of staining fireplace exteriors. Use seasoned hardwood on a log grate or andiron for maximum air flow and fireplace performance. Smoking out the front of the fire box indicates the chimney height is not sufficient to overcome wind shear and/or down-drafting.

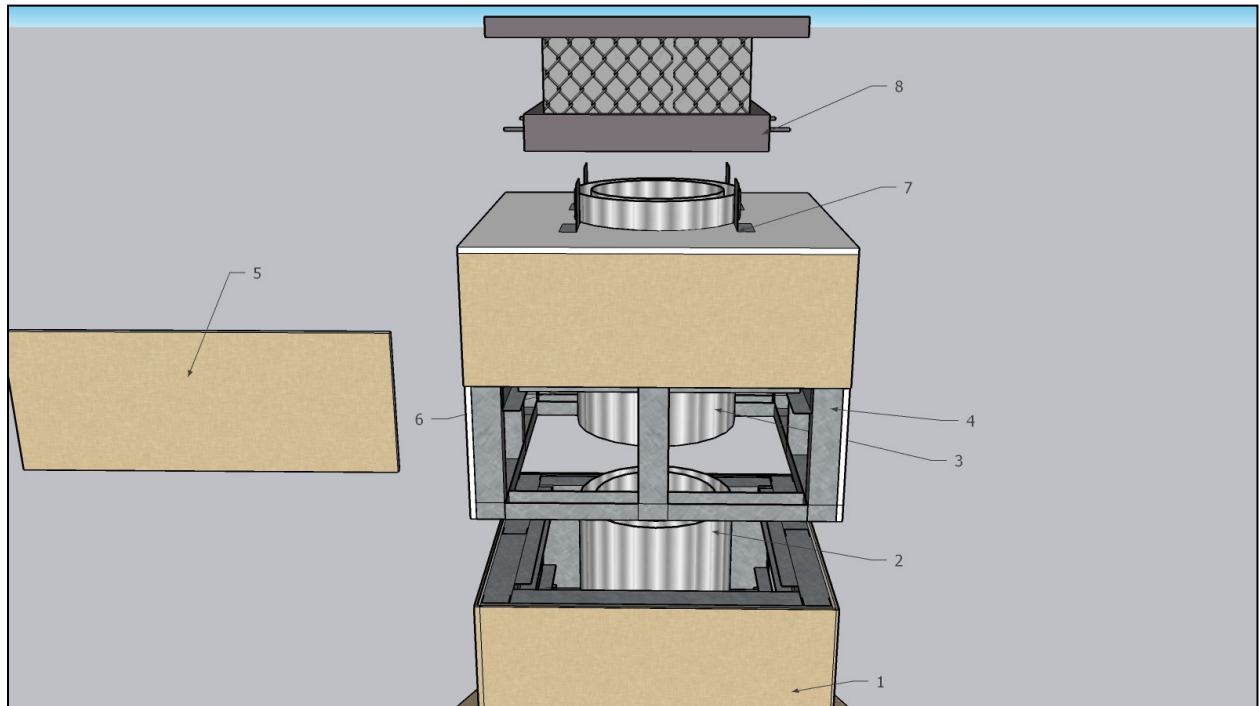
Unloading, Installation, & Set Up Instructions

1. Unload unit from trailer using appropriately rated equipment and the built-in fork-hole access on each product.
2. If the unit has an extension, then it can be installed before placing at final location or later, when placed at final location, based on individual site constraints. Fasteners are inside the hardware box. Please refer to chimney extension installation instructions below.
3. With the appropriately rated equipment, transport the unit to the desired location and set onto a prefinished cement footer. A 4" concrete slab for smaller fireplaces and 6" concrete slab for larger fireplaces is recommended, as a minimum. Of course, local soil conditions and/or local building ordinances may require a more robust alternative.
4. Once the unit is in place, lagging the unit into the cement footer is optional, if desired.
5. If hearth is separate from unit, please refer to the hearth attachment instructions below.
6. The fork-hole access panel covers and fasteners are inside the hardware box. Attach each panel cover to the steel frame on the front and back of the unit using the pack of 16 1" self-tapping screws—4 screws each.
7. The chimney cap included in the hardware box should be installed immediately. It can be screwed into place using the frictional fasteners included or it can be screwed into place, if desired.

Instructions for Assembling a Chimney Extension

Follow ladder safety protocols. Check out the chimney extension installation video at <https://roundgroveproducts.com/brick-oven-videos/>.

Round Grove Products chimney extensions are designed to sit on top of fireplaces and brick ovens. There are two primary connections that need to be completed before the access panels can be closed up: 1) extension-to-fireplace connections and 2) internal flue pipe connections.



Identify these components of the system: #1-

Fireplace

#2-Pipe Attached to Fireplace

#3-Pipe Located in Extension

#4-Extension

#5-Panel Cover

#6-Fork Hole Locations

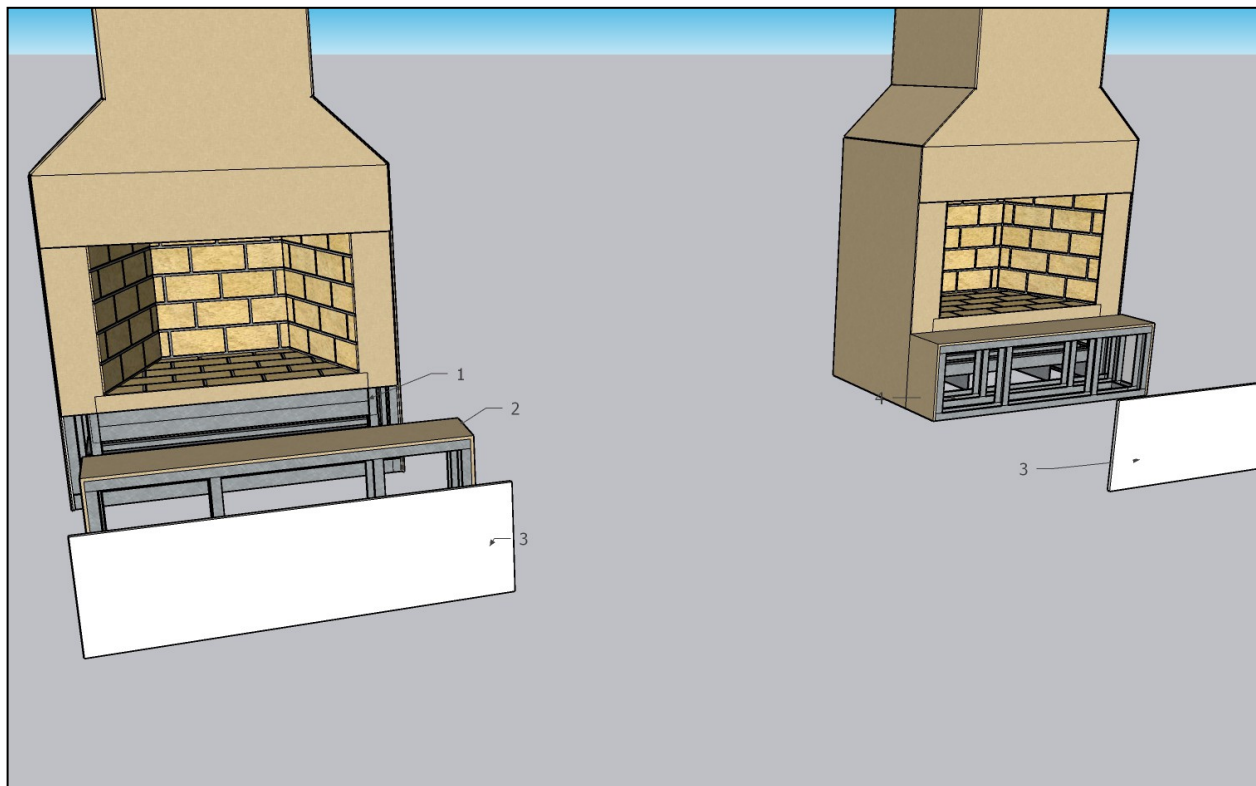
#7-Chimney Cap Mounting Plates (discontinued)

#8-Chimney Cap

1. Lift the extension (4) above the fireplace (1) using the fork access pockets (6).
2. There is a steel support strut holding the chimney flue (3) inside the extension. The flue is loose and designed to slip together with the existing pipe on the fireplace. Holding onto the chimney flue, remove the steel strut that is holding the chimney flue inside the extension. Once this strut is removed, hold onto the flue until the extension is in place.
3. Lower the extension down onto the fireplace. Center the extension to be flush and plumb with the sides. Each extension is pre-fitted in our workshop, so it should be flush and plumb when connected.

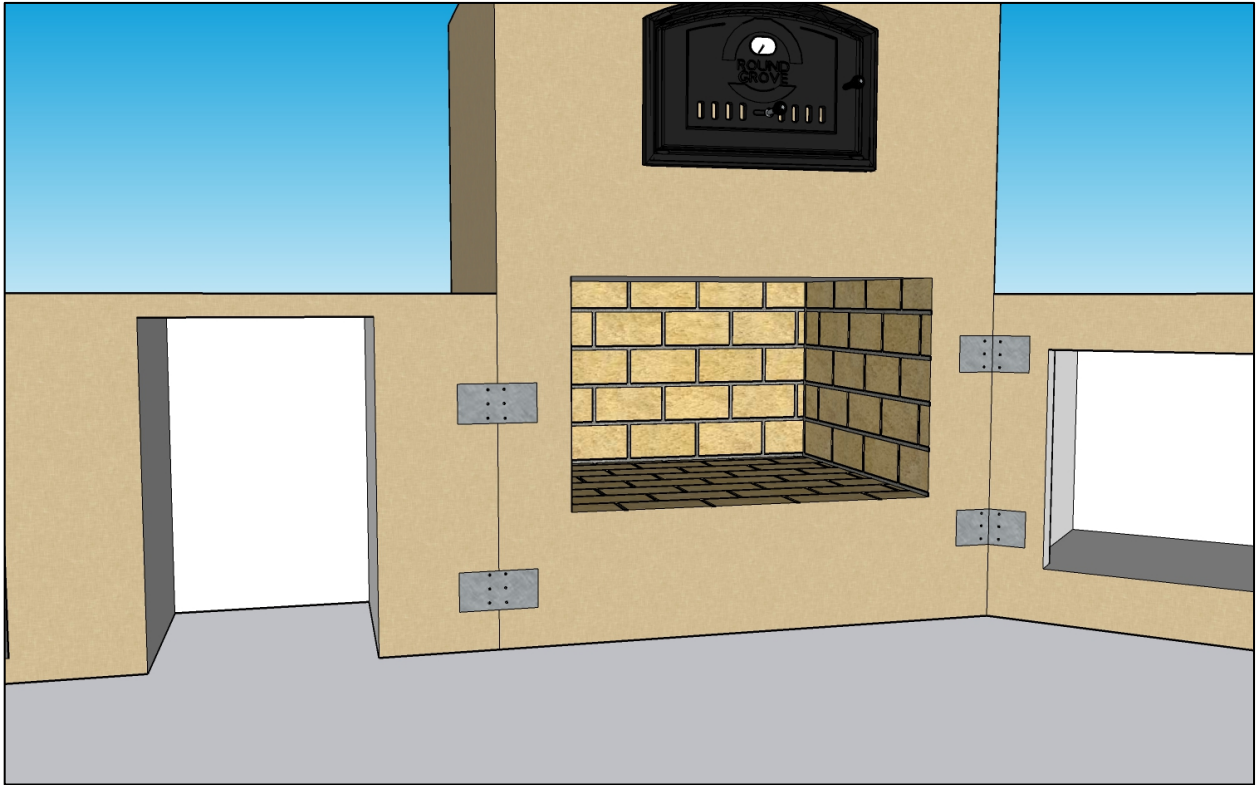
4. Once the extension is flush and plumb with the fireplace, fasten the extension onto the fireplace permanently with the $\frac{1}{2}$ " self-tapping screws provided in the hardware box. Four screws per side. Pre-drilling may be necessary.
5. Now connect the chimney flue pipes together. These can be secured with a fastener to keep them aligned permanently.
6. With the extension permanently secured and the flues connected permanently, now the access covers (5) can be installed and fastened with the screws provided.

Hearth Attachment Instructions



1. When fireplace (1) is set into position place hearth (2) in front of fireplace with the prefinished top up as shown in drawing.
2. Using the 16 $\frac{1}{2}$ " self-tapping screws included in the hardware box to attach the hearth to the steel frame (4).
3. Attach the hearth cover (3) with 8 1" self-tapping screws.

Woodbox/Cabinet Installation Instructions



1. Place woodbox/cabinet in desired location.
2. If attaching to fireplace, connector plates are provided: 2 in front, 2 in back; 4 in total.
3. Fasten plate on both units with the 1" screws provided, 6 per connector.
4. These plates can be bent by hand to allow for installation at angles, if desired.

Finishing the Surfaces

1. These are outdoor products and will be subject to severe weather and humidity changes so extra precautions are necessary to prolong the useful life of these products.
2. Each unit has been scratch-coated with a brush finish. This surface is temporary until a finish veneer can be applied. Round Grove Products recommends finishing the surface using full-bed stone, veneer stone, or cultured stone. Stucco is also a suitable finish.

3. If full-bed stone or brick is used, Round Grove Products recommends at least a 1" offset from the surface to prevent grout line cracking as the fireplace and/or brick oven will expand and contract during the heating and cooling cycles.
4. The top of the chimney extension **MUST** be finished to manage water penetration behind the veneer or within the extension. Round Grove Products recommends using cap stones on the top of the chimney extension or pitching a cement cap from a high point near the chimney cap downward to the outer perimeter and covering the tops of the veneer finish. The pitch of the cement should be greater than 1/2" drop per 24" of horizontal space. Failure to finish the chimney top will VOID the manufacturer's warranty.



Cap Stone



Pitched Cement

5. Aluminum flashing where vertical surfaces meet horizontal surfaces is recommended.
6. Angled surfaces can be finished in either veneer or cap stones. Water penetration is the #1 cause for failures not covered by warranty, so cap stones are preferred.
7. Be mindful of preventing moisture from pooling in crevices or grout lines. Keep the firebox as dry as possible. Freezing and thawing is the #2 cause for failures not covered by warranty. Grout lines between bricks and veneer stones will crack when absorbed moisture freezes and thaws or when absorbed moisture transitions to vapor (steam) when burning wood in the firebox. Periods of high atmospheric humidity also result in absorbed moisture into grout lines.
8. Routine Maintenance: Cracked grout lines require removal of any deteriorated mortar to a depth of 1/4" to 3/4" inch and repointing with refractory mortar. This is an integral maintenance task that will preserve the structural integrity of the fireplace brickwork.

