1-Sided Fireplace
3-Pallet Design
General Note:
In consideration of freeze / thaw issues during the cold weather season it is recommended that this outdoor Built-In Fireplace element be protected from rain, snow and ice as necessary.

Outdoor Fireplace Quantity Totals:
Stonegate Unit quantities as follows:
- Large Unit "A" - 16"/14" = 57 Units
- Medium Unit "B" - 12"/10" = 57 Units
- Small Unit "C" - 6"/4" = 56 Units

For Accessories - see page 2

Fireplace Back Isometric

Fireplace Front Isometric
Stonegate Certified Note:
This Outdoor Living Element design uses Stonegate Certified accessories. See Stonegate Certified accessories list for qualifying manufacturers and models.

Fireplace Burner Note:
See 4th Course Layout Details for Fireplace Burner dimensions and details.

Fireplace Insert Note:
See 7th Course Layout Details for fireplace installation details.

Fireplace Burner

Fireplace Concrete Top Note:
See 9th Course Concrete Top Layout Details for concrete top dimensions and details. See page 16 for top dimensions.

Fireplace Hearth Note:
See 3rd Course Hearth Layout Details for hearth dimensions and details. See page 9 for hearth dimensions.

Fireplace Hearth

ACCESSORIES Sold Separately

Access Door w/Vents Model FPI - D, D/S

See page 11 for access door details.

See page 10 for burner details.

Assembled burner

See page 13 for insert details.
General Note:
In consideration of freeze / thaw issues during the cold weather season it is recommended that this outdoor Built-In Fireplace element be protected from rain, snow and ice as necessary.

Note:
Structural support for block units over openings not shown for visual purposes.

Outdoor Fireplace Quantity Totals:
Stonegate Unit quantities as follows:
- Large Unit "A" - 16"/14" = 57 Units
- Medium Unit "B" - 12"/10" = 57 Units
- Small Unit "C" - 6"/4" = 56 Units
Stonegate Certified Designs • 1-Sided Fireplace

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Fireplace Back Rotated Elevation

Fireplace Front Rotated Elevation

Finished Grade (May Vary)

6" (Min.) Crushed Stone or Reinforced Concrete Leveling Pad

4444 W 78th St, Minneapolis, MN  55435
952-897-1040
## Foundation Isometric

Fireplace 6" (Min.) Reinforced Concrete or Crushed Stone Leveling Pad

## Foundation Plan

Fireplace 6" (Min.) Reinforced Concrete or Crushed Stone Leveling Pad

- 95" (4'-10")
- 94" (7'-10")

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Note: This Fireplace design uses Keystone Stonegate units. Units shown are dimensioned as follows:

- **□** Large Unit “A” - 16”/14”
- **□** Medium Unit “B” - 12”/10”
- **□** Small unit “C” - 6”/4”

All Units are 10” in depth / 6” in height.

### Ventilation Note:
The fireplace insert manufacturer may recommend ventilation of the interior fireplace area from a potential gas build up. If so, depending on the recommendations, one or two blocks from either the 1st course or 2nd course may be removed as needed. Only remove blocks from one chosen course. Blocks marked with angular hatching are designated for removal as required on this course.

As needed a small animal screen insert can be supplied to place in the block removal area.

If the 2nd course is to be used for venting, place and carefully compact crushed stone or similar material to form a dense floor in the entire 1st course interior open area of the fireplace. The removed 2nd course blocks may be place in the 1st course interior open area in conjunction with fill material or in the fireplace element itself as needed.

### Block Placement Note:
Partially damaged or visually impaired block units may be used in the front base area of the fireplace just behind the hearth extension. Insure those units are structurally sound.
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This Fireplace design uses Keystone Stonegate units. Units shown are dimensioned as follows:

- □ Large Unit “A” - 16”/14”
- □ Medium Unit “B” - 12”/10”
- □ Small unit “C” - 6”/4”

All Units are 10” in depth / 6” in height

Ventilation Note:
The fireplace insert manufacturer may recommend ventilation of the interior fireplace area from a potential gas build up. If so, depending on the recommendations, one or two blocks from either the 1st course or 2nd course may be removed as needed. Only remove blocks from one chosen course. Blocks marked with angular hatching are designated for removal as required on this course.

As needed a small animal screen insert can be supplied to place in the block removal area.

If the 2nd course is to be used for venting, place and carefully compact crushed stone or similar material to form a dense floor in the entire 1st course interior open area of the fireplace.

The removed 2nd course blocks may be place in the 1st course interior open area in conjunction with fill material or in the fireplace element itself as needed.

Block Placement Note:
Partially damaged or visually impaired block units may be used in the front base area of the fireplace just behind the hearth extension. Insure those units are structurally sound.

Block Removal as Req. (Typ.)
(See Ventilation Note)

1st Course Below

16”  36” Fireplace
82” (6'-10") Fireplace
72” (6'-0") Fireplace
10” Hearth Extension

46”
This Fireplace design uses Keystone Stonegate units. Units shown are dimensioned as follows:

- Large Unit "A" - 16" x 14"
- Medium Unit "B" - 12" x 10"
- Small unit "C" - 6" x 4"

All Units are 10" in depth / 6" in height

Block Placement Note:
Partially damaged or visually impaired block units may be used in the front base area of the fireplace just behind the hearth extension. Insure those units are structurally sound.
Note: This Fireplace design uses Keystone Stonegate units. Units shown are dimensioned as follows:

- Large Unit “A” - 16”/14”
- Medium Unit “B” - 12”/10”
- Small unit “C” - 6”/4”

All Units are 10” in depth / 6” in height.

Hearth Installation Note:
Install and align the hearth(s) for the fireplace on top of the 3rd course block units hearth extension(s), as shown. Unless otherwise directed, secure the hearth(s) with approved adhesive or bonding agent.
**Stonegate Certified Designs • 1-Sided Fireplace**

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### 4th Course Isometric

- **Block Openings to Receive Fireplace Insert Bottom Plate Flanges (2)**
- **Keystone Stonegate Units (Typ.)**

### 4th Course Plan

- **Install Fireplace Burner Insert on Bottom Plate as Required (See Fireplace Burner Insert Note)**
- **3rd Course w/Hearth Below**
- **Keystone Stonegate Units (Typ.)**

---

**Fireplace Insert Bottom Plate Installation Note:**
Install and align the bottom plate for the fireplace insert on top of the 3rd course block units so the rear bottom plate flanges (2) fit in the openings between the blocks of the 4th course above, as shown. Also, align the front of the bottom plate with the front block units and fireplace hearth for proper alignment.

Install the fireplace insert upper back, sides and top plates with flanges after the installation of the 7th course.

See fireplace manufacturers assembly instructions to properly assemble the fireplace pieces.

**Fireplace Burner Insert Note:**
It is recommended to use a stainless steel outdoor fireplace H-burner insert not to exceed 32"L x 8"W with suitable hose and regulator accessories. Use 1 cubic foot ± of suitable fire glass or fire rock material to fill the recessed section of the fireplace bottom plate. Install as per manufacturers assembly instructions.

---

**Fireplace Insert Bottom Plate Installation Note:**
Install and align the bottom plate for the fireplace insert on top of the 3rd course block units so the rear bottom plate flanges (2) fit in the openings between the blocks of the 4th course above, as shown. Also, align the front of the bottom plate with the front block units and fireplace hearth for proper alignment.

Install the fireplace insert upper back, sides and top plates with flanges after the installation of the 7th course.

See fireplace manufacturers assembly instructions to properly assemble the fireplace pieces.

**Fireplace Burner Insert Note:**
It is recommended to use a stainless steel outdoor fireplace H-burner insert not to exceed 32"L x 8"W with suitable hose and regulator accessories. Use 1 cubic foot ± of suitable fire glass or fire rock material to fill the recessed section of the fireplace bottom plate. Install as per manufacturers assembly instructions.

---

4444 W 78th St, Minneapolis, MN  55435
952-897-1040
Install Certified Access Door as Required Prior to 6th Course Installation (See Access Door Installation Note)

Keystone Stonegate Units (Typ.)

4th Course Below

Access Door Installation Note:
Align the access door in the door opening so that the access door top support flanges of the door frame are resting on top of the 5th course blocks. Make sure the top support flanges are bearing equally on the blocks on both sides of the opening and they also are 5" back from the outside face of the blocks to the center of the flange so the 6th course block pin connecting channels will be centered over the top support flanges. After the 6th course blocks are placed, if needed, reposition the access door assembly and secure in place as instructed.
6th Course Isometric

Access Door Below - 6th Course Blocks to be Placed Over Access Doors Built-In Lintel

5th Course Below

Keystone Stonegate Units (Typ.)

6th Course Plan

5th Course Below

Keystone Stonegate Units (Typ.)

Access Door and Flanges Below

Access Door Below - 6th Course Blocks to be Placed Over Access Doors Built-In Lintel

5th Course Below

Keystone Stonegate Units (Typ.)

Access Door and Flanges Below

20"

42" Opening

20"

82" (6'-10") Fireplace

This Fireplace design uses Keystone Stonegate units.

Units shown are dimensioned as follows:

□ Large Unit "A" - 16"/14"

□ Medium Unit "B" - 12"/10"

□ Small unit "C" - 6"/4"

□ All Units are 10" in depth / 6" in height
Fireplace Insert Upper Installation Note:
Assemble the fireplace insert upper parts in the fireplace insert opening as per manufacturers assembly instructions. Insure that the fireplace insert upper support flanges (4) are properly resting on top of the 7th course block units. Make sure the top front support flanges are bearing equally on the blocks on both sides of the fireplace insert opening and they also are 5" back from the front outside face of the blocks to the center of the flange, so the 8th course block pin connecting channels above will be centered over the top front support flanges.
The rear top flanges will fit between the block spaces of the 8th course above. After the 8th course blocks are placed, if needed, reposition the fireplace insert assembly and secure in place as instructed.
This Fireplace design uses Keystone Stonegate units. Units shown are dimensioned as follows:

- Large Unit “A” - 16”/14”
- Medium Unit “B” - 12”/10”
- Small unit “C” - 6”/4”

All Units are 10” in depth / 6” in height.

Fireplace Insert and Flanges Below

8th Course Plan

Keystone Stonegate Units (Typ.)

7th Course Below

8th Course Isometric

Keystone Stonegate Units (Typ.)

Fireplace Insert

7th Course Below
This Fireplace design uses Keystone Stonegate units. Units shown are dimensioned as follows:

- Large Unit “A” - 16”/14”
- Medium Unit “B” - 12”/10”
- Small unit “C” - 6”/4”

All Units are 10” in depth / 6” in height.
Note: Fireplace concrete top "Pieces" are 2" thick.

Concrete Top Installation Note:
Unless otherwise directed install and secure concrete top pieces with approved adhesive or bonding agent.

This Fireplace design uses Keystone Stonegate units.
Units shown are dimensioned as follows:

□ Large Unit "A" - 16"/14"
□ Medium Unit "B" - 12"/10"
□ Small unit "C" - 6"/4"
□ All Units are 10" in depth / 6" in height

Install Fireplace Concrete Top Pieces (5)
(See Concrete Top Installation Note)

Fireplace Concrete Top "Piece"
Plan View Detail

Install Fireplace Concrete Top Pieces (5)
(See Concrete Top Installation Note)