

# ISOKERN FIREPLACE AND CHIMNEY SPECIFICATIONS:

## I. MANUFACTURER:

A. Earthcore Industries, LLC., Jacksonville, FL (Telephone 800-642-2920)

## II. PRODUCT DESCRIPTION:

A. Modular refractory precast fireplace and chimney components.

1. Designed for field assembly as a fireplace and chimney unit.
2. All interlocking parts necessary for assembly of a complete fireplace and smoke dome.
3. Interlocking double module chimney components (DM).

## III. MATERIALS:

- A. Light weight concrete of a proprietary mixture of Icelandic volcanic pumice aggregate and cement for precast firebox, chimney block and flue liner components.
1. Compressive Strength: Firebox and Chimney Block: 972 psi.
2. Compressive Strength: Flue Liner: 1175 psi.
- B. Premixed (dry) EARTHCHORE ADHESIVE.
1. Tested per ASTM C109, ASTM C307, and ANSI 118.4.
- C. Standard 1 1/8" medium duty refractory brick to line firebox interior.
- D. Standard cast iron poker-style damper (optional top mount or in-line damper available).

## IV. INSTALLATION:

- A. Reference manufacturer's installation instructions for standard configurations, weights, sizes and installation details.
- B. Suitable masonry foundation and noncombustible hearth extensions must be provided.
- C. Unit to be assembled on site per manufacturer's illustrated instructions.
1. Premixed EARTHCHORE ADHESIVE is used at all joints between components.
2. Firebox to be lined with a minimum 1 1/8" rated firebrick.
- D. Standard fireplace and chimney units listed for "zero clearance" to uninsulated wood framing members.
- E. A 1 1/2" minimum clearance envelope to combustible materials is recommended.
- F. A 3" minimum clearance envelope to insulation required.

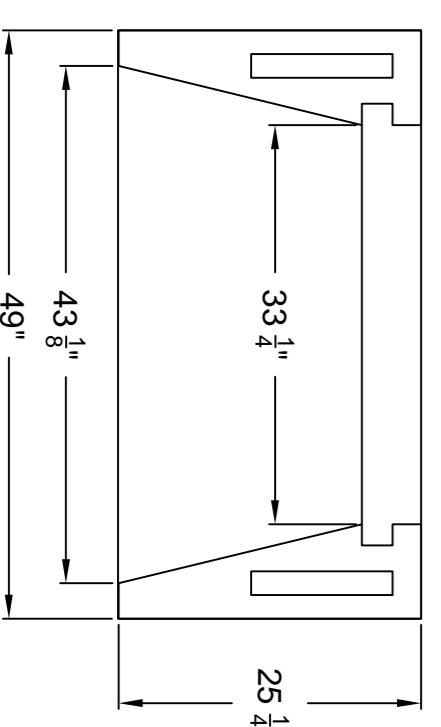
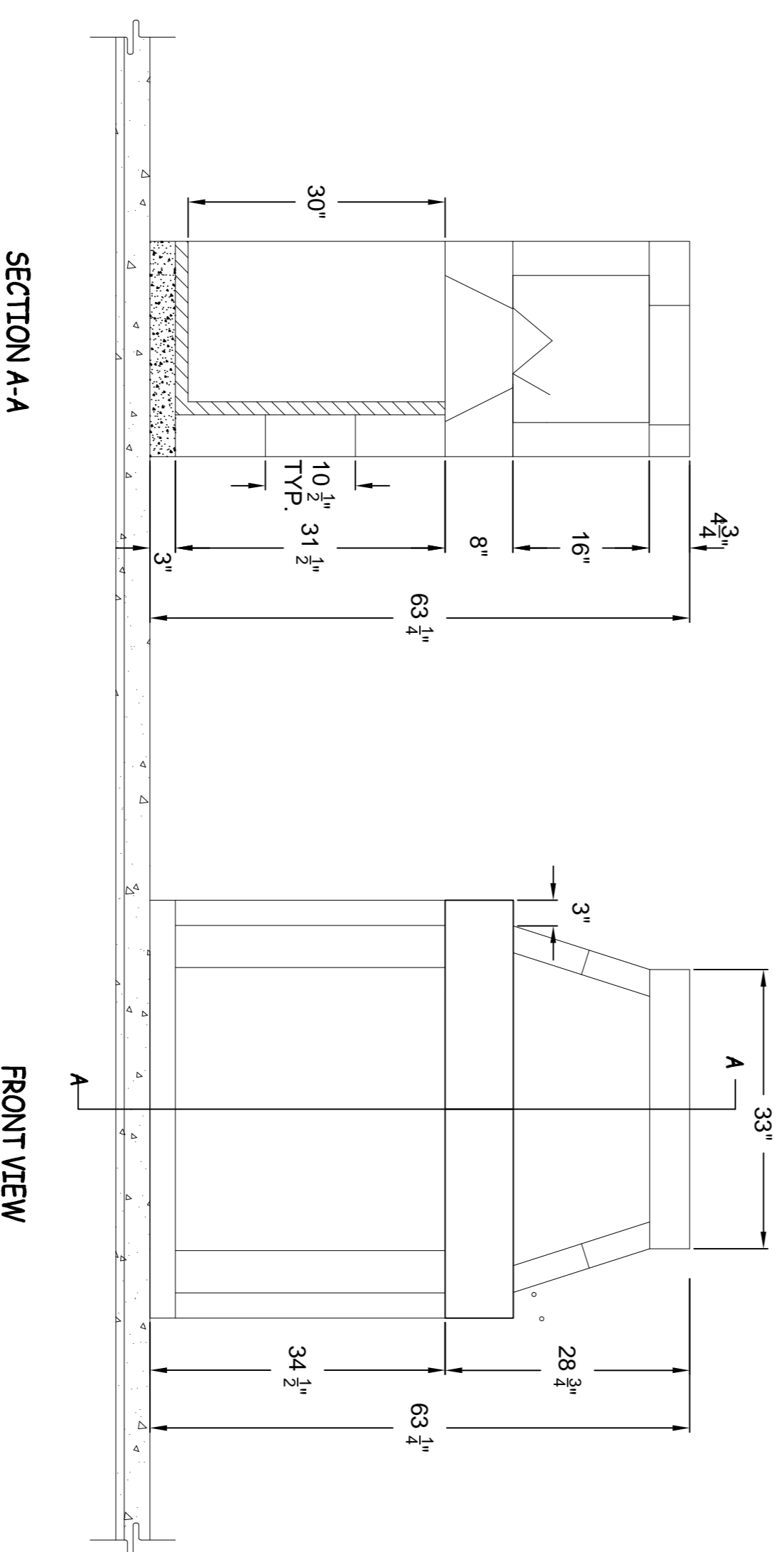
## V. CERTIFICATION:

- A. Warnock Hersey/Intertek Testing Services Report No. 3159656MID-008.
- B. Meets or exceeds U.L. 103HT; U.L. 127-08; ULC S610-87; ANSI 2.11.

## VI. CODE COMPLIANCE:

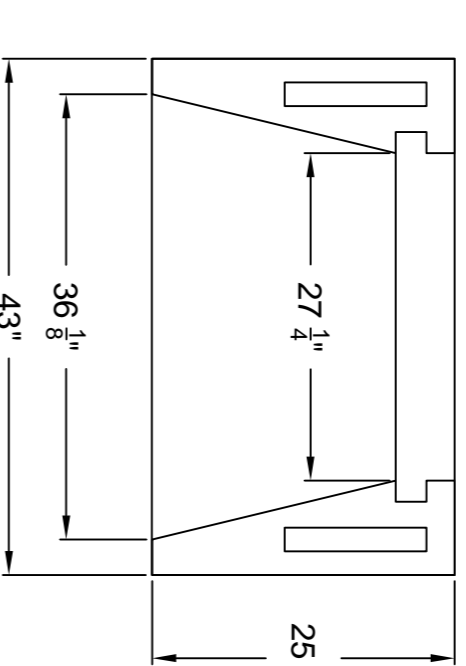
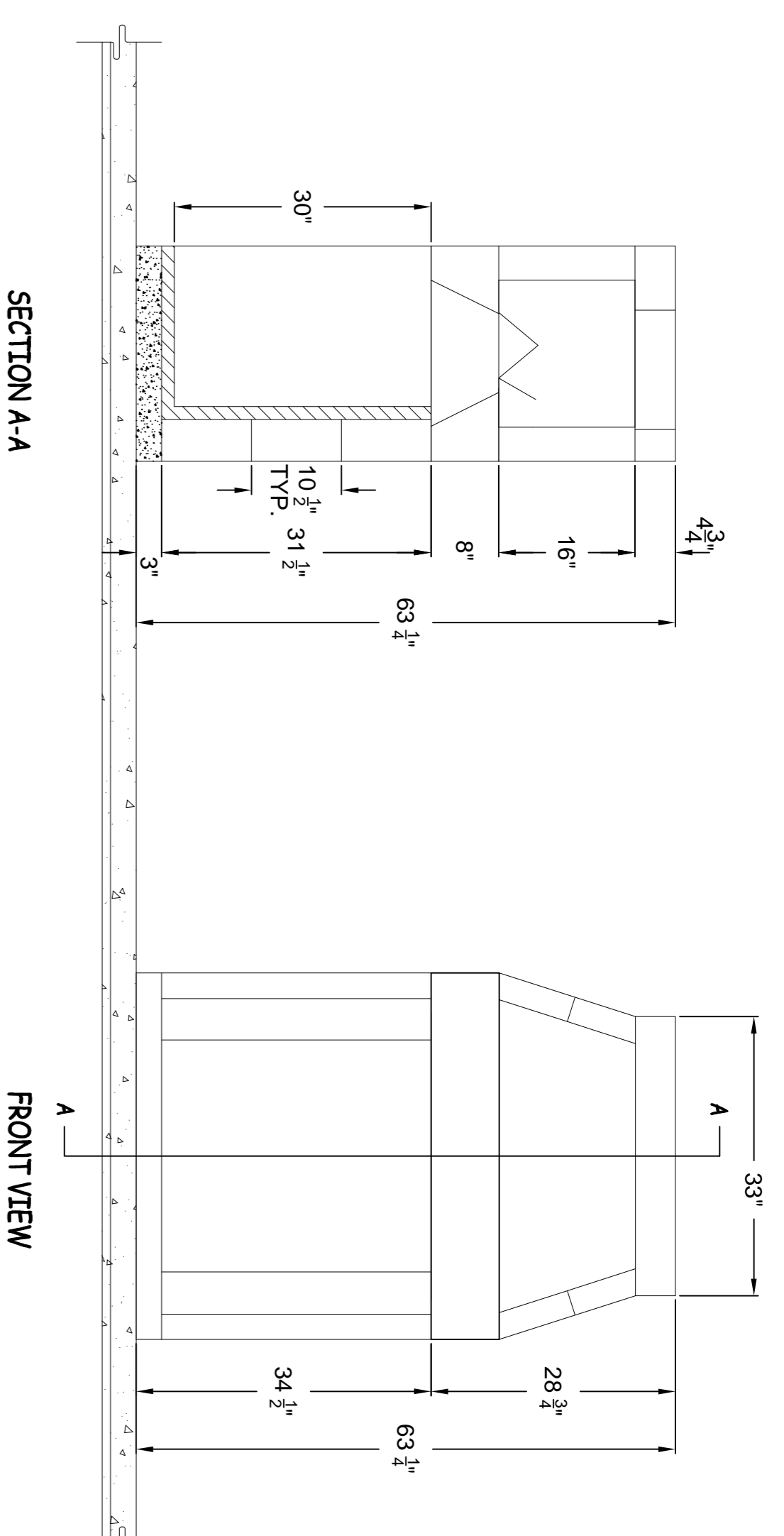
- A. ICC, No. ESR-2316 / LARR #25483/ MEA N.Y.C. 241-90-E
- B. Standard fireplace and chimney units listed for "zero clearance" to uninsulated wood framing members.

Note: Isokern components are a natural material and slight variations in dimensions may occur. These should be no more than 8".



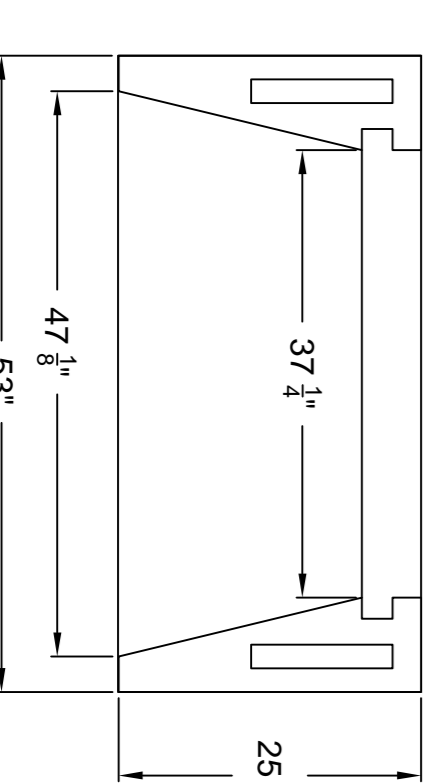
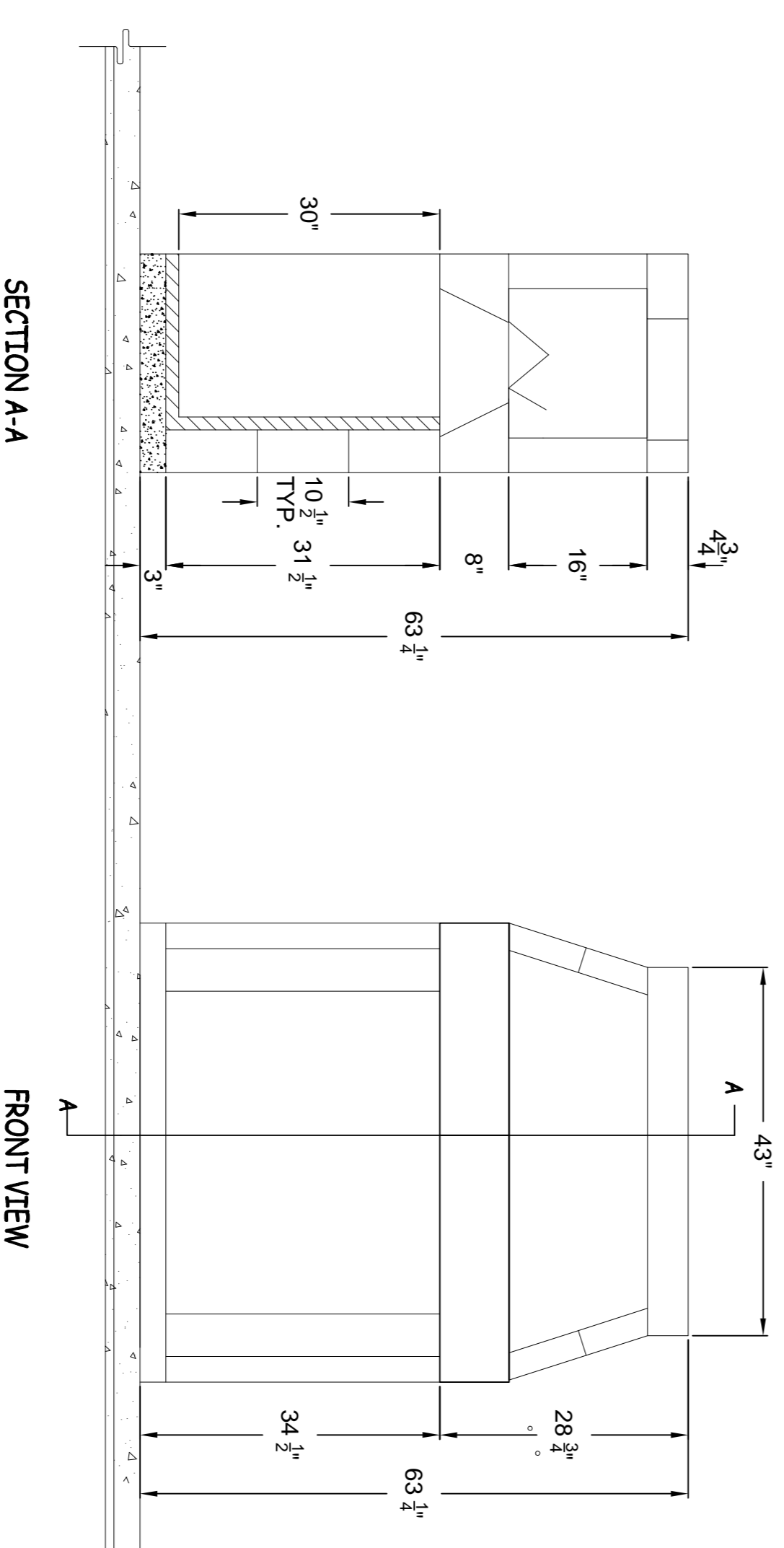
## PLAN, SECTION and ELEVATION of ISOKERN 42" [WIDE] FIREPLACE

SCALE 3/4" = 1'-0"



## PLAN, SECTION and ELEVATION of ISOKERN 36" [WIDE] FIREPLACE

SCALE 3/4" = 1'-0"



## PLAN, SECTION and ELEVATION of ISOKERN 46" [WIDE] FIREPLACE

SCALE 3/4" = 1'-0"

REVISIONS

BY

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**ISOKERN**  
Fireplaces and Chimney Systems

A PRODUCT OF EARTHCORE INDUSTRIES

**FIREBOX  
DETAILS/  
DIMENSIONS**

DESIGNED BY  
**JMK**  
RELEASE DATE  
**09/01/09**  
SCALE  
**3/4" = 1'-0"**  
REVISED

SHEET  
**S1.0**