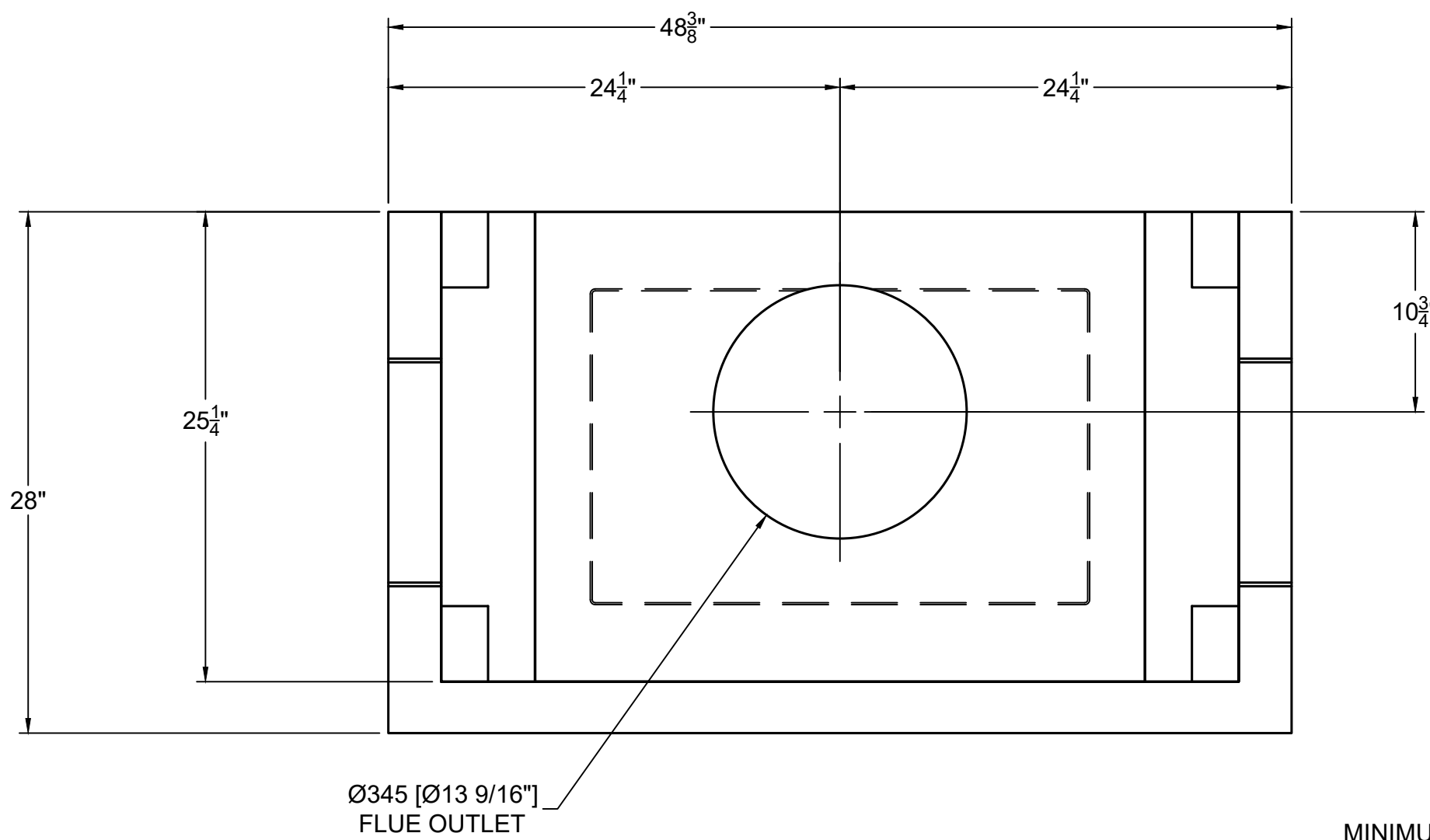
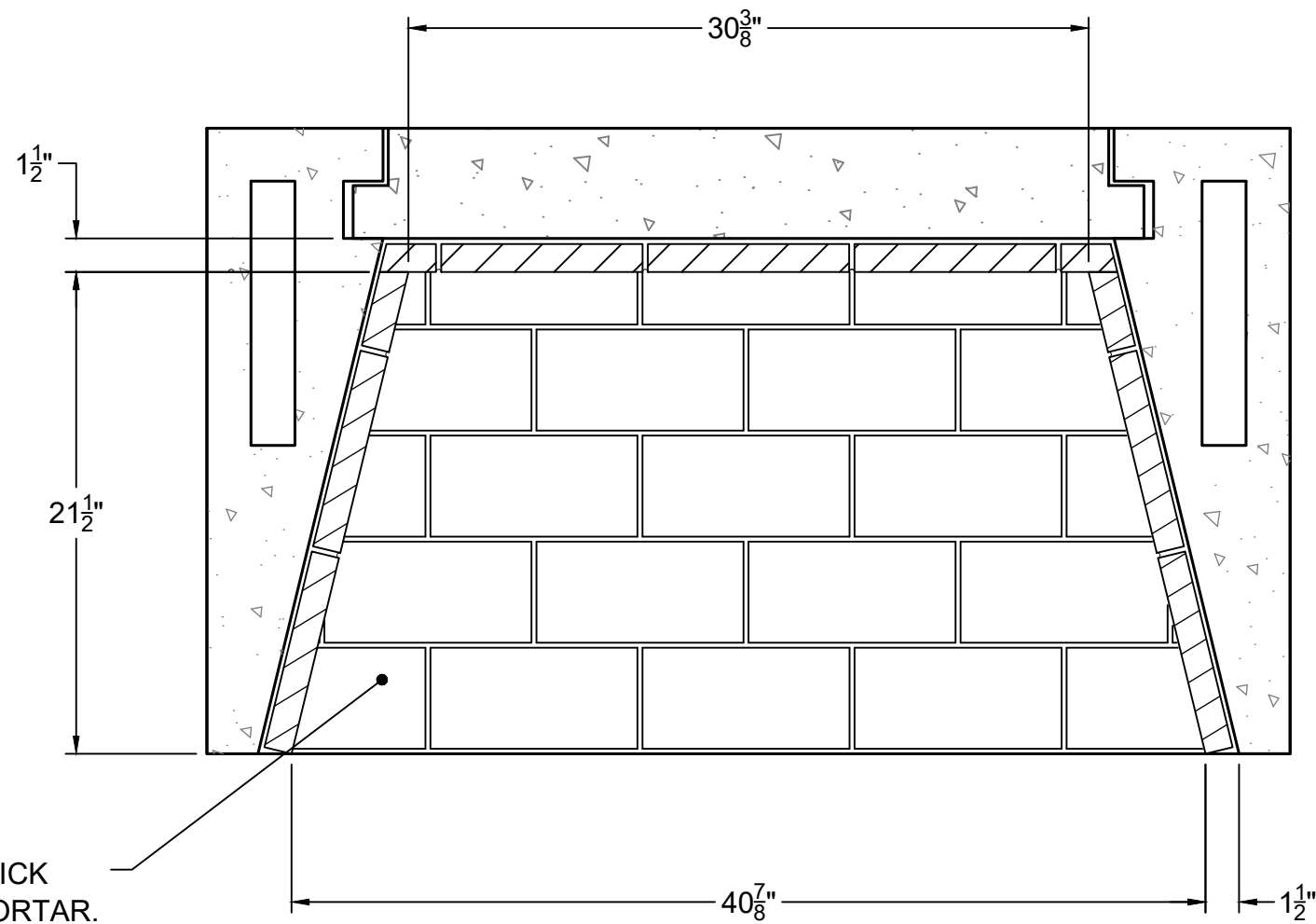
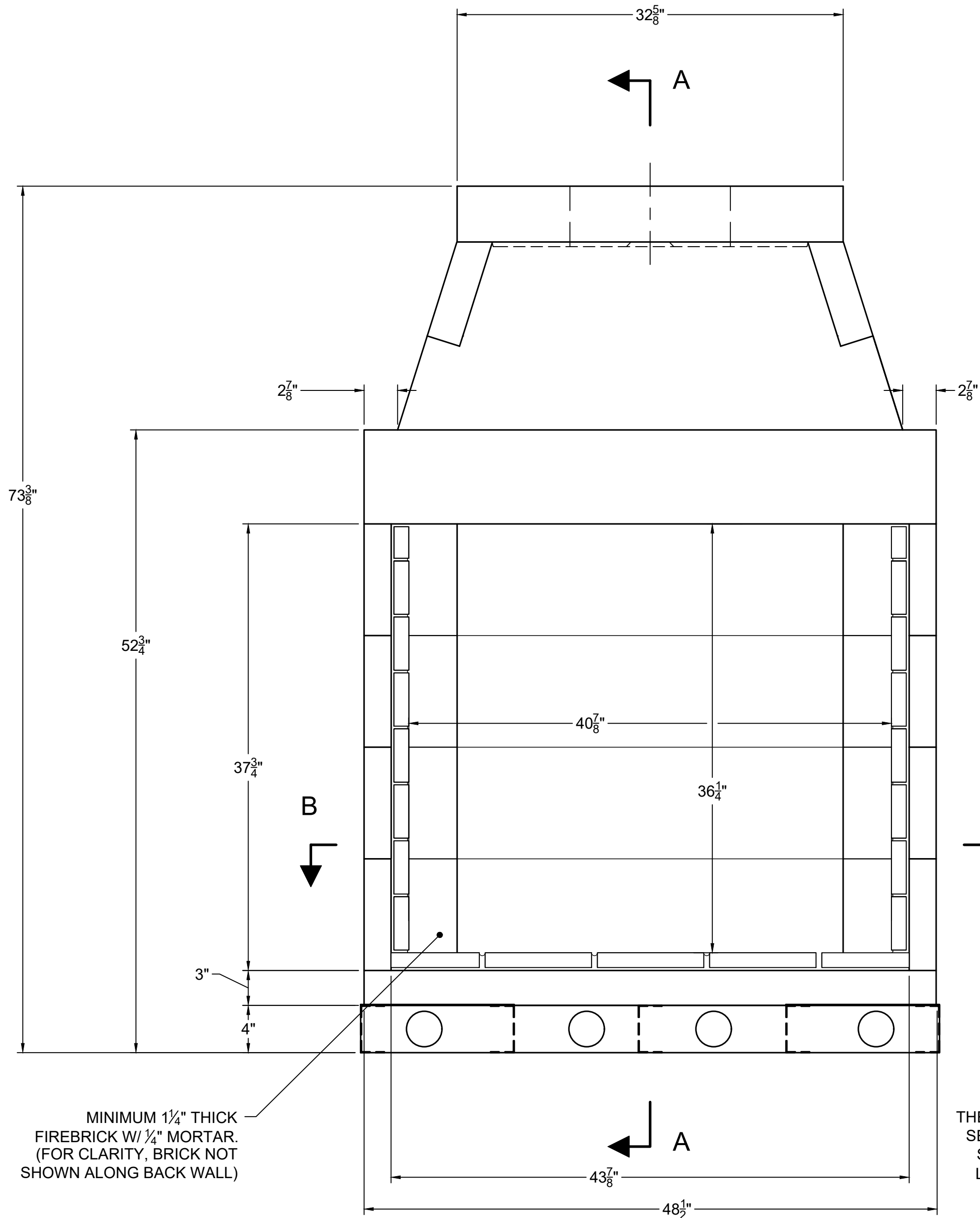




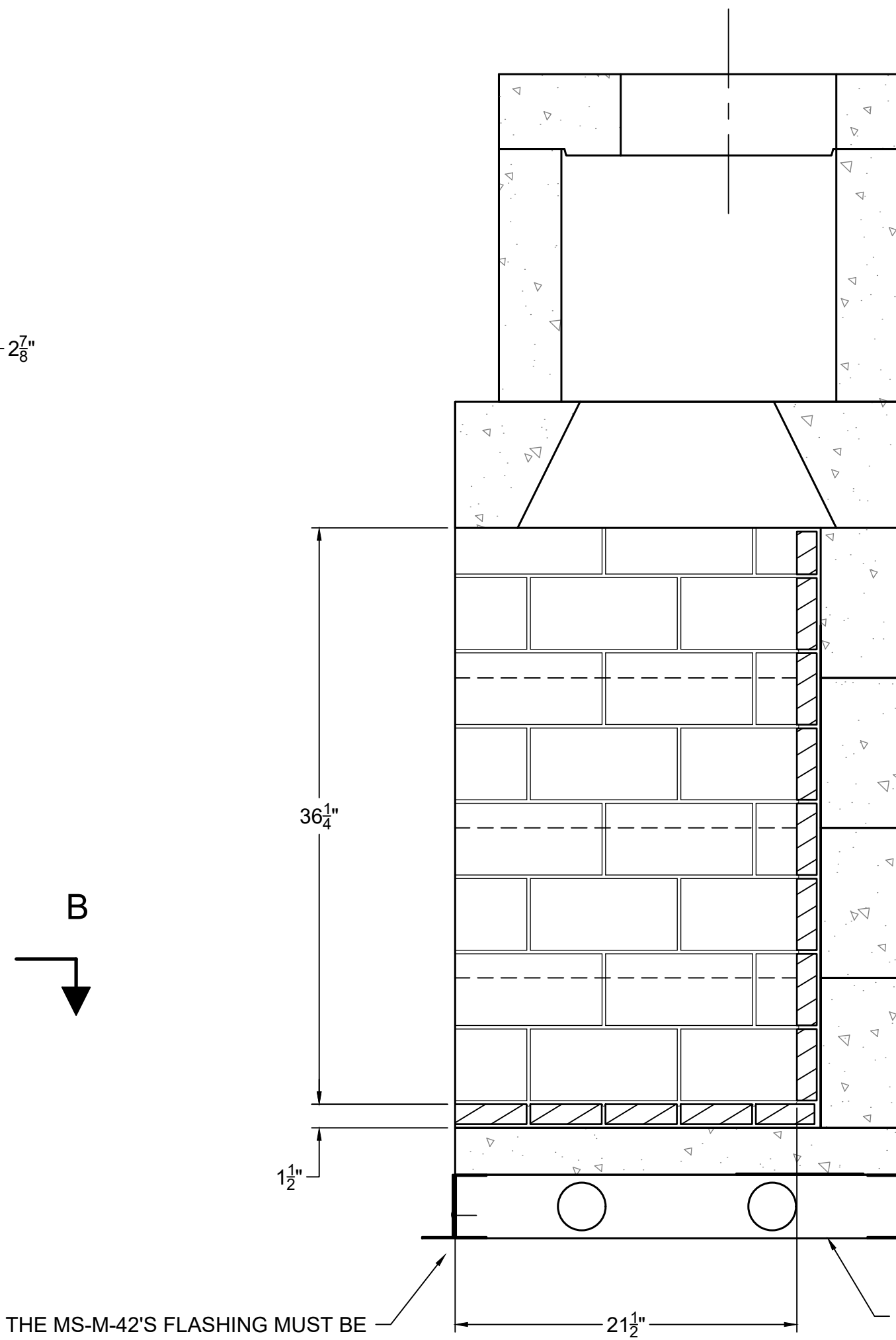
TOP VIEW



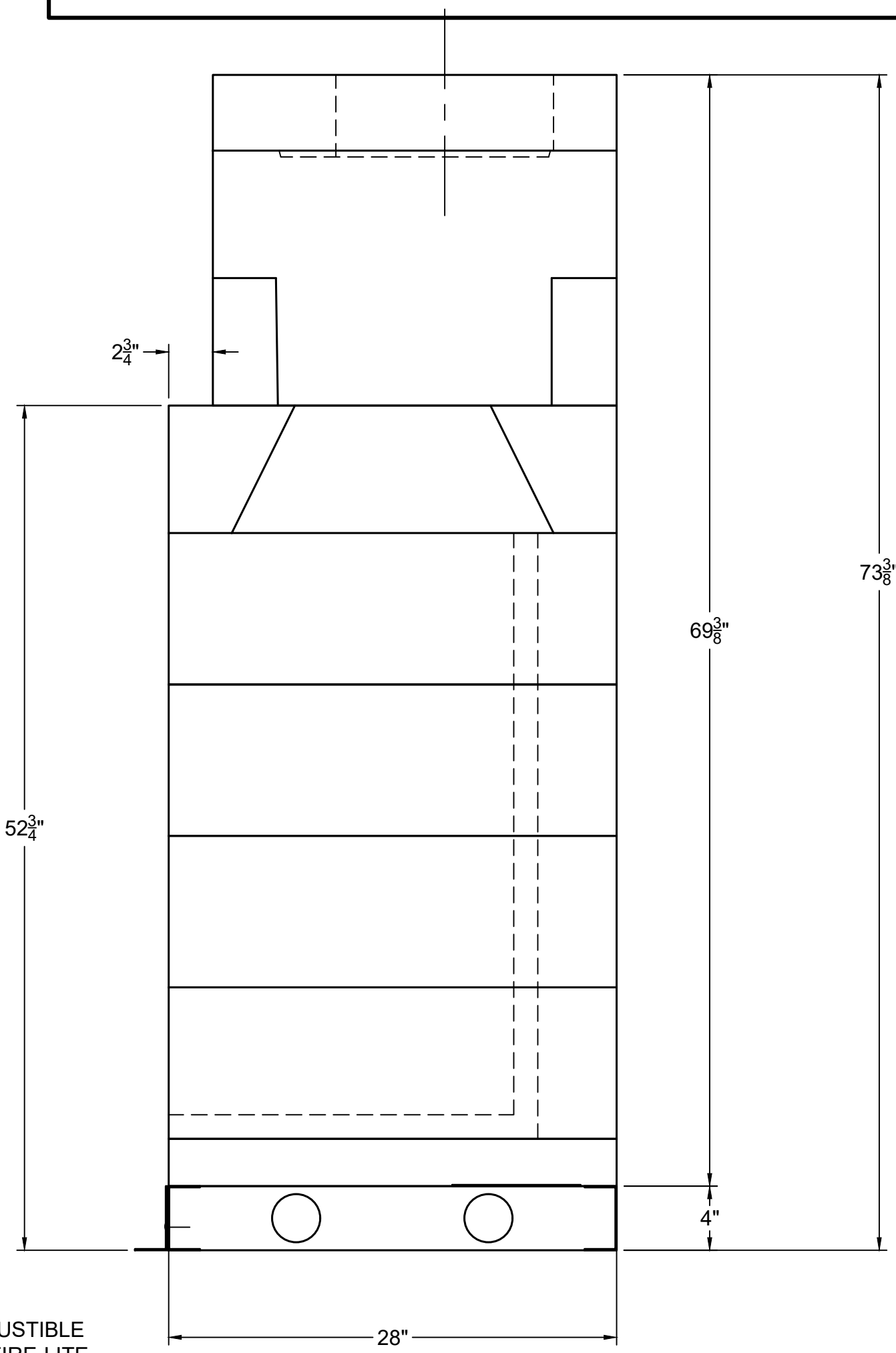
SECTION B-B
HORIZONTAL FIREBRICK DETAIL



FRONT VIEW
MS-M-42 FLASHING NOT SHOWN IN VIEW



SECTION A-A
VERTICAL FIREBRICK DETAIL



RIGHT-SIDE VIEW

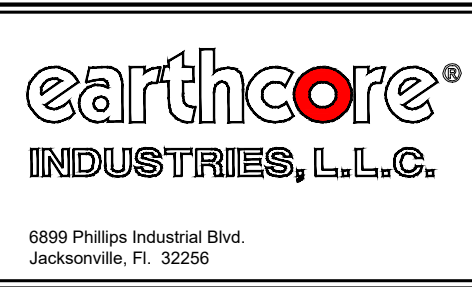
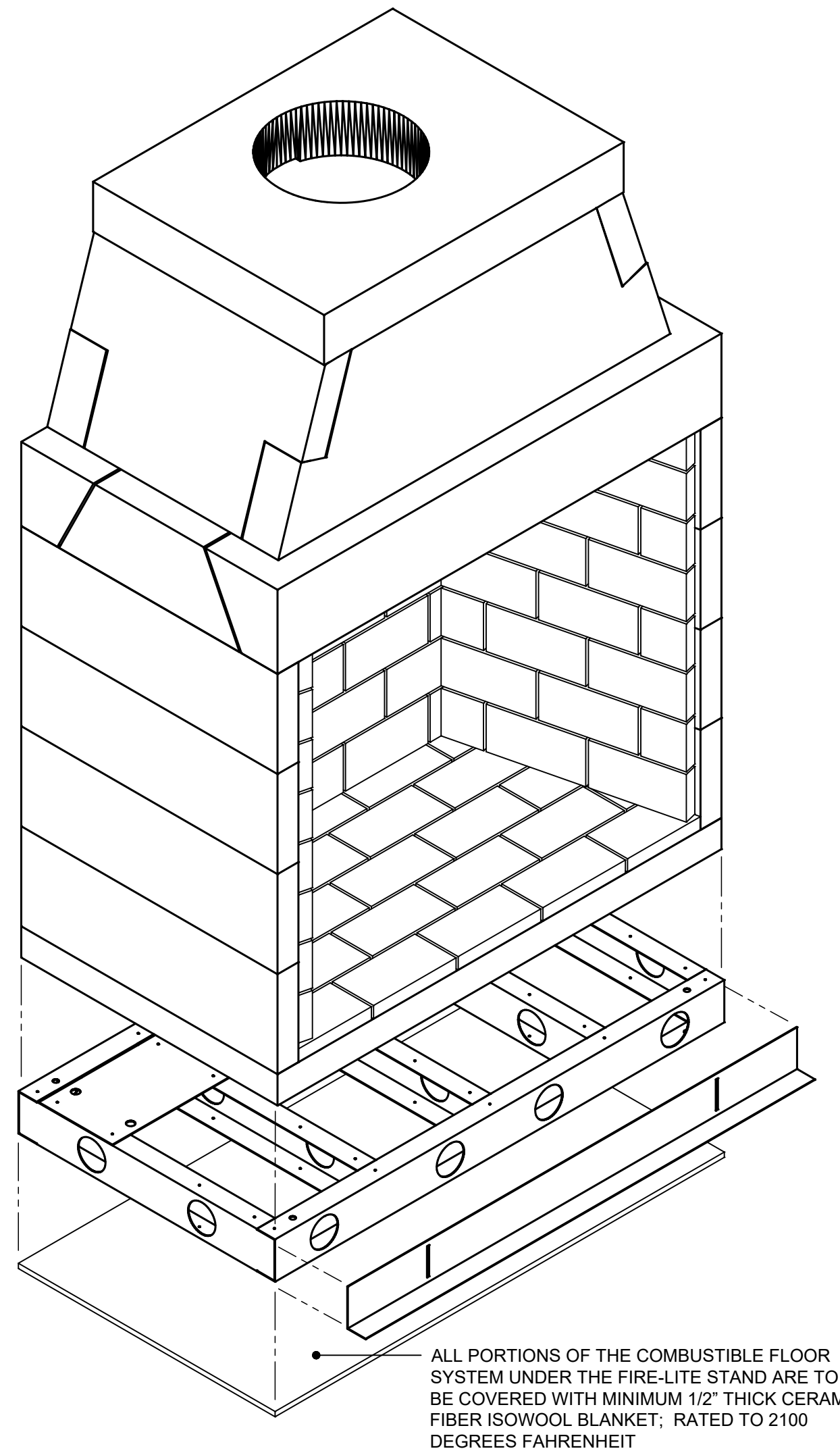
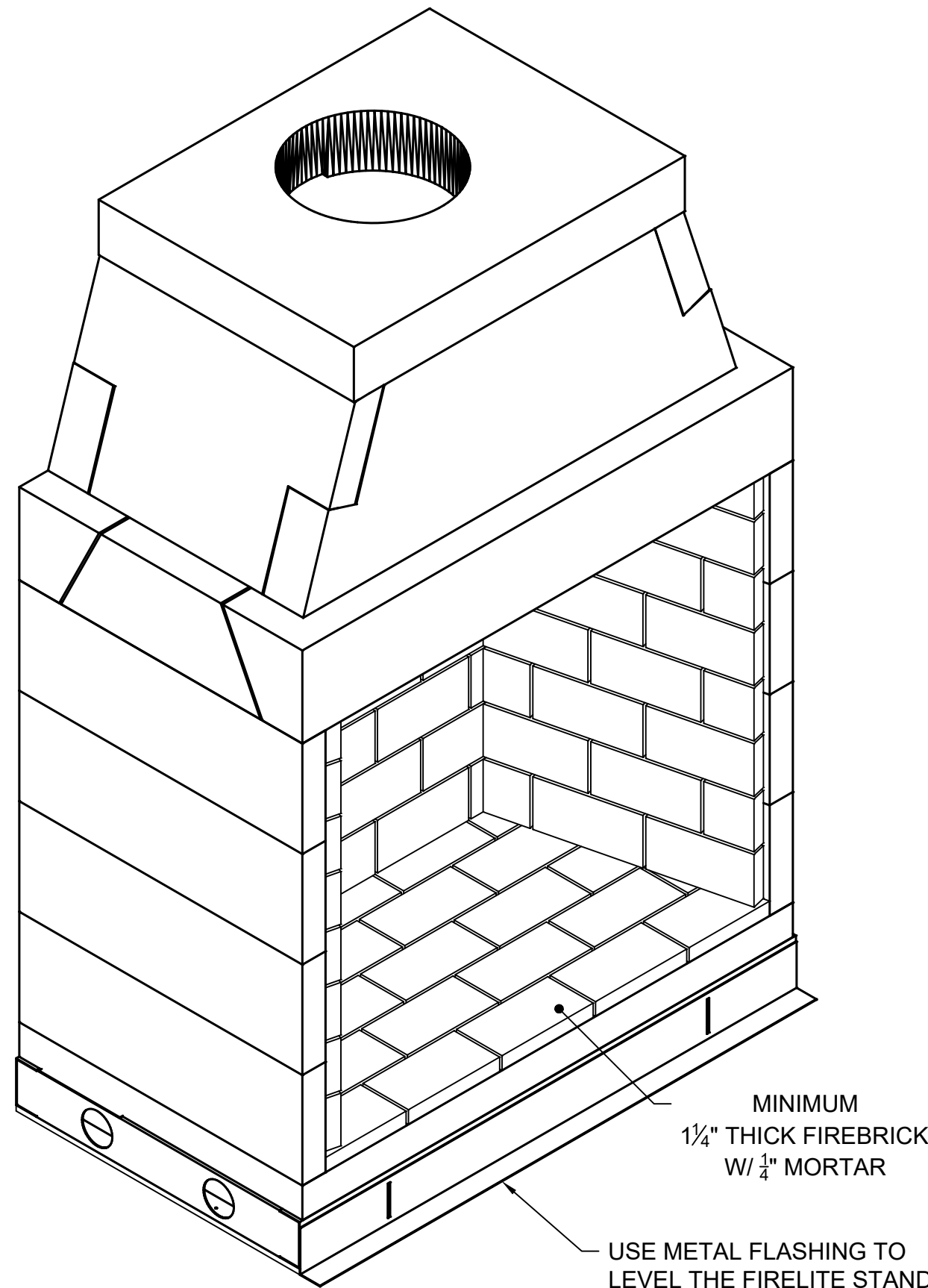
COMPONENT LIST

PART #	DESCRIPTION	QTY.
11	SMOKE DOME (MIDDLE)	2
34	TOP SLOPING	2
M66	BACKWALL-42" (MAG)	4
69	DAMPER BEAM-42"	2
77A	TOP PLATE W/345mm HOLE	1
M90	SIDEWALL (MAG)	8
M92	BASEPLATE-42" (MAG)	1
M94L	MAGNUM DAMPER END; LEFT	1
M94R	MAGNUM DAMPER END; RIGHT	1
MS-M-42	42" MAGNUM FIRELITE STAND	1
ISOWOOL	1/2" THICK ISOWOOL CERAMIC FIBER INSULATION BLANKET (INCLUDED W/ MS-M-42)	---

GENERAL NOTES

1. DRAWINGS ARE FOR DESIGN PURPOSES ONLY AND ARE THE SOLE PROPERTY OF EARTHCORE INDUSTRIES. ANY REPRODUCTION OR UNAUTHORIZED USE IS STRICTLY PROHIBITED.
2. EARTHCORE/ ISOKERN OR ANY DIVISION THEREOF SHALL NOT BE HELD LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OR EXPENSES ARISING OUT OF THE USE OF THE FIREPLACES OR CHIMNEY SYSTEMS.
3. ALWAYS CHECK LOCAL BUILDING CODES GOVERNING FIREPLACES AND FIREPLACE INSTALLATIONS.
4. 4" COMBUSTION AIR INLET KITS ARE RECOMMENDED BY EARTHCORE AND MAY HELP IMPROVE FIREPLACE OPERATION IN HOMES TIGHTLY SEALED AND WITH OTHER VENTILATING APPLIANCES INSTALLED. IF THE INSTALLATION IS TO BE LONGER THAN TEN FEET (10'), THEN THE SIX INCH (6") ADAPTER WILL BE NEEDED. THIS ADAPTER WILL ATTACH TO THE EXISTING FOUR INCH (4") SLEEVE OUTSIDE OF THE UNIT. THE SIX INCH ADAPTER INCLUDES AN ADDITIONAL TWENTY FEET OF 6" FLEX HOSE, FOR A MAXIMUM RUN OF THIRTY FEET (30').
5. THE FIRE-LITE INSTALLATION REQUIRES USAGE OF ECOSTEEL/ECOSTEEL+ CLASS-A METAL FLUE SYSTEM.
6. ALL PORTIONS OF THE COMBUSTIBLE FLOOR SYSTEM UNDER THE FIRE-LITE STAND ARE TO BE COVERED WITH MINIMUM 1/2" THICK CERAMIC FIBER ISOWOOL BLANKET; RATED TO 2100 DEGREES FAHRENHEIT.
7. THE FIRELITE STAND'S NONCOMBUSTIBLE RAISED PLATFORM MUST BE SET WITH A MINIMUM ONE AND ONE HALF INCH (1-1/2") CLEARANCE TO THE WALLS TO THE SIDES AND DIRECTLY BEHIND THE FIRE-LITE ASSEMBLY. IF THESE WALLS CONTAIN UNSHIELDED INSULATION, IT MUST BE KEPT A MINIMUM OF THREE INCHES (3") AWAY FROM FIREBOX ASSEMBLY.
8. ISOKERN IS NOT RESPONSIBLE FOR STRUCTURAL FLOOR SUPPORT DETAILS FOR THE FIRE-LITE FIREPLACE. FLOOR FRAMING WILL NEED TO BE DESIGNED AND BUILT TO ACCEPT SUBSTANTIAL DEAD LOADS SPREAD OVER A RELATIVELY SMALL FLOOR AREA. CONSULT YOUR LOCAL STRUCTURAL ENGINEER FOR PROPER FLOOR SYSTEM DESIGN, SIZING, AND SPECIFICATIONS. THE APPROXIMATE FOOT PRINT AREA AND DEAD LOAD AMOUNTS MAY BE FOUND IN YOUR FIREPLACE OWNER'S MANUAL.

ISOMETRIC VIEW (N.T.S)



UNLESS OTHERWISE STATED, ALL DIMENSIONS ARE IN MILLIMETERS		PROJECT: 42" MAGNUM WITH FIRELITE	
THIRD ANGLE PROJECTION		DESCRIPTION: FIREPLACE CONSTRUCTION DOCUMENT	
MATERIAL: E.C. PUMICE MIXTURE		DRAWING #: 82042-FLK	
DRAWN: K.B.H.		DATE: 5/1/2020	
APPROVED:		DATE:	
SIZE: D		SCALE: 1-1/2"=1'-0"	
DO NOT SCALE		SHEET # 1 OF 2	

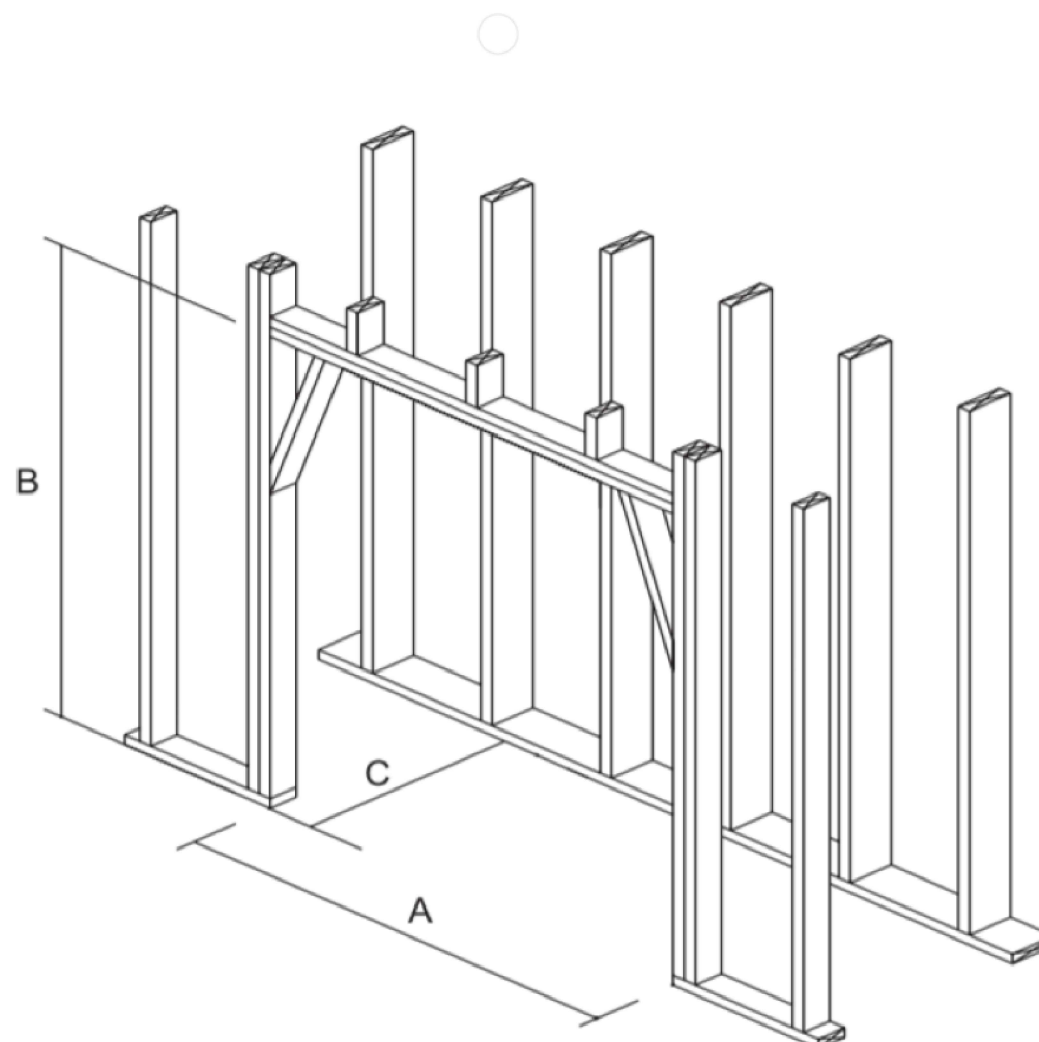
Rough Framing Dimensions

Typical Installation Framing Dimensions

<u>MAGNUM</u>	<u>Width - A</u>	<u>Height - B</u>	<u>Depth - C</u>
Model 28	38 ½"	61 ½"	29 ½"
Model 36	46"	71"	29 ½"
Model 42	52"	71"	29 ½"
Model 48	56"	71"	29 ½"

NOTES:

1. "B" includes the 3"-thick base plate.
2. "Raised hearth" requires additional rough opening height at "B" equal to the height of the raised hearth detail.
3. Rough framing dimension for width "A" allows for the required 1 ½" clearance at the sides of the Fireplace.
4. Rough framing dimension for depth "C" allows for the required 1 ½" clearance at the back of the Fireplace. 29 ½" is only for an interior wall as most exterior wall framing have insulation, even if the wall is 2 x 6, the foam they spray expands, so typically 31" is allowed on an exterior wall



The diagram illustrates the rough framing requirements for a fireplace. It shows a cross-section of the wall and floor framing. Dimension 'A' represents the width of the rough opening, measured from the center of the side studs. Dimension 'B' represents the height of the rough opening, measured from the top of the base plate to the top of the header. Dimension 'C' represents the depth of the rough opening, measured from the back of the fireplace unit to the front of the side studs. The diagram shows the fireplace unit is placed within the rough opening, with the side studs and header framing visible. The base plate is shown at the bottom of the fireplace unit.

Corner Installation Framing Dimensions

The following chart of dimensions detail the positioning of an MAGNUM Series fireplace in a corner. It also details the positioning of DM chimney where it must turn 45° degrees, if alignment is needed to overhead framing.

<u>MAGNUM</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
Model 28	38 ½"	20"	26 ½"	68"
Model 36	46"	23 ½"	32"	73"
Model 42	52"	26 ½"	36"	77"
Model 48	56"	28 ½"	39"	80"

To turn flue 45°, first set starting inner liner onto the top plate of the fireplace.

Next, set a DM outer casing onto the inner liner so that the outer casing is at 45° to the firebox and square to the overhead framing system. Run the vertical DM chimney through the overhead framing.

Offset blocks can be used, if necessary, to align with overhead framing before running the vertical DM chimney outer casing and liner.

NOTE: Support the third offset down to footings and at each third offset block thereafter.

The diagram illustrates the corner installation of a fireplace and chimney. A vertical wall on the left and a horizontal ceiling at the top represent the corner. A fireplace is shown at the bottom left. A chimney (DM Chimney) is installed, starting vertically from the fireplace, then turning 45 degrees to run horizontally through the overhead framing. Dimension lines indicate the following measurements: 'A' is the horizontal distance from the fireplace face to the start of the 45-degree chimney run; 'B' is the horizontal distance from the fireplace face to the start of the horizontal chimney run; 'C' is the vertical distance from the fireplace top to the start of the horizontal chimney run; and 'D' is the total vertical distance from the fireplace top to the start of the horizontal chimney run. The chimney is shown as a square with an octagonal flue opening.

Clearance to Combustible Trim - 28, 36, 42 & 48 Models

Hearth Extensions

All MAGNUM 28, 36, 42, and 48 Fireplaces shall have hearth extensions of brick, concrete, stone, tile, or other code approved non-combustible material. Suitable hearth extension material for the fireplaces shall be placed on the hearth extension's non-combustible substrate and must extend to at least twenty inches (20") in front of the fireplace's finished opening and must extend to at least twelve inches (12") beyond the sides of the finished fireplace opening (**Figure 68**).

WARNING: The non-combustible hearth extension, by code, must sit on non-combustible substrate, which shall have no wood underpinnings. This means that off-grade wood floor systems shall be constructed in such a way that all wood floor joists and sub-flooring shall stop twenty inches (20") out from the front of the firebox (**Figure 69**).

Mantle and Mantle Shelf Clearances

Fireplaces are subject to the same building code safety clearances to combustible trim as with any radiant heat fireplace. All combustible trim shall be kept at least eight inches (8") from the finished fireplace opening.

Combustible trim located along the sides of the fireplace opening, which project more than one and a half inches (1½") from the face of the fireplace, shall have additional clearance from the eight inches (8") equal to the projection.

Combustible projecting mantles – up to twelve inches (12") of projection – shall not be placed less than fourteen inches (14") from the top of the fireplace opening. Combustible mantles, which project more than twelve inches (12") from the face of the fireplace, shall have additional clearance from the fourteen inches (14") equal to the projection.

NOTE: The local authority having jurisdiction may require greater clearances for projecting combustible mantle shelves. Be sure to check local building codes regarding required clearances to projecting combustible mantles.

Adjoining Walls: Side walls and walls to rooms adjoining fireplace installations cannot be closer than twenty-six inches (26") to the finished fireplace opening.

NOTE: "Clearance to Combustible Trim" are those distances required to ensure that a fireplace mantle or facing will not catch fire. In most cases, the distances should also be adequate to prevent any discoloration or warping due to heat. However each installation presents a unique and completely different set of circumstances involving many variables. These include paint or finish composition, previous exposure to heat, methods and quality of construction, air flow patterns, etc. Because of these variables, the manufacturer does not guarantee that heat warping or discoloration will never occur.

FIGURE 68

FIGURE 69

	UNLESS OTHERWISE STATED, ALL DIMENSIONS ARE IN MILLIMETERS		PROJECT: 42" MAGNUM WITH FIRELITE													
	UNSPECIFIED TOLERANCES	THIRD ANGLE PROJECTION	DESCRIPTION: GENERAL INFORMATION AND SPECIFICATIONS													
			MATERIAL:													
	ANG. X LIN. $\frac{X}{2}$ $\frac{X}{2}$ $\frac{X}{2}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DRAWN: KBH</td> <td style="width: 25%;">DATE: 5/1/2020</td> <td style="width: 10%;">SIZE: D</td> <td style="width: 25%;">SCALE: N.T.S.</td> <td style="width: 15%;">DRAWING #: 82042-FLK</td> <td style="width: 10%;">REV: B</td> </tr> <tr> <td style="padding: 2px;">APPROVED:</td> <td style="padding: 2px;">DATE:</td> <td colspan="4" style="padding: 2px;"> (DO NOT SCALE) SHEET # 2 OF 2 </td> </tr> </table>				DRAWN: KBH	DATE: 5/1/2020	SIZE: D	SCALE: N.T.S.	DRAWING #: 82042-FLK	REV: B	APPROVED:	DATE:	(DO NOT SCALE) SHEET # 2 OF 2		
DRAWN: KBH	DATE: 5/1/2020	SIZE: D	SCALE: N.T.S.	DRAWING #: 82042-FLK	REV: B											
APPROVED:	DATE:	(DO NOT SCALE) SHEET # 2 OF 2														

