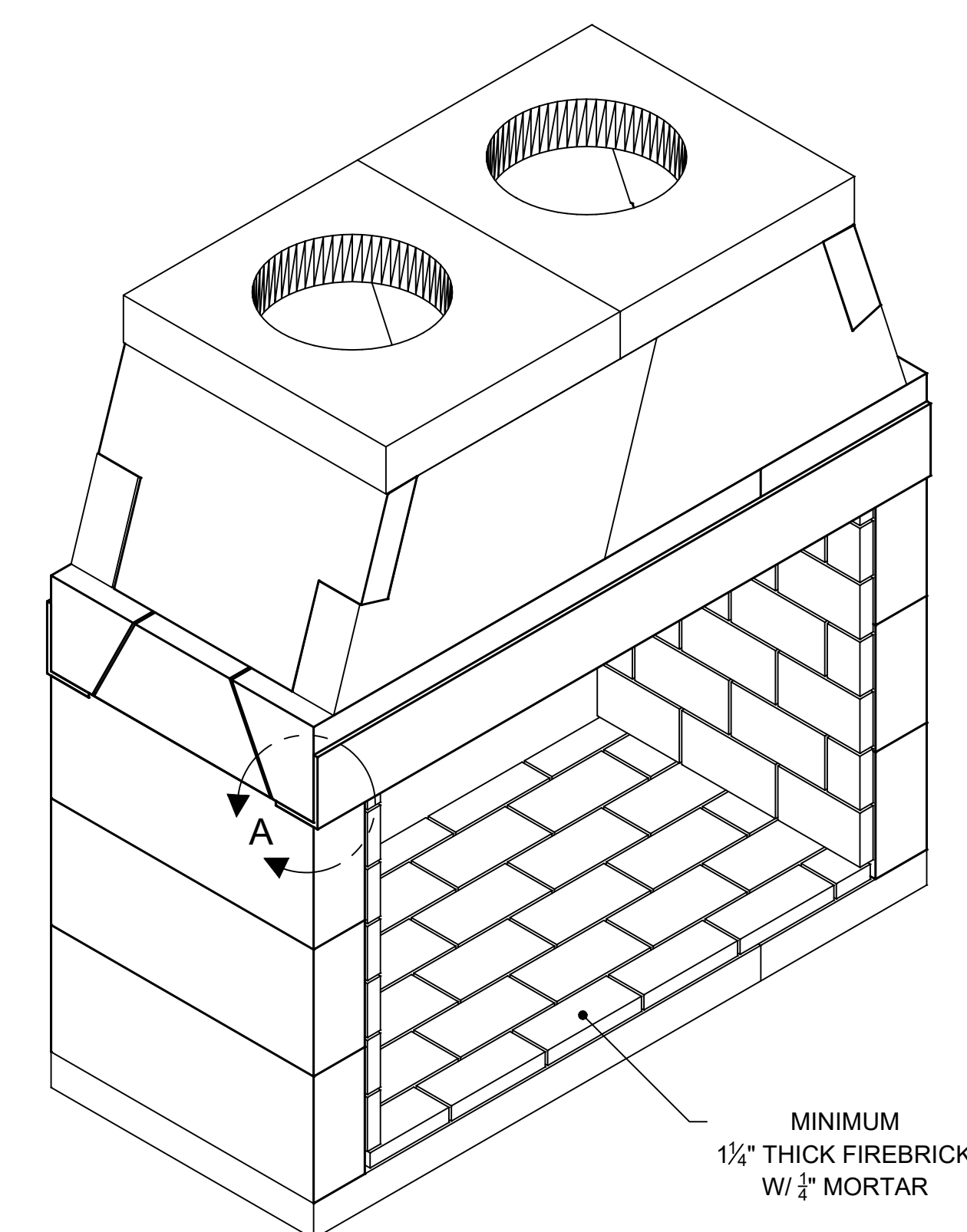


# FIREPLACE ORDER # : 80S46ST

## GENERAL NOTES

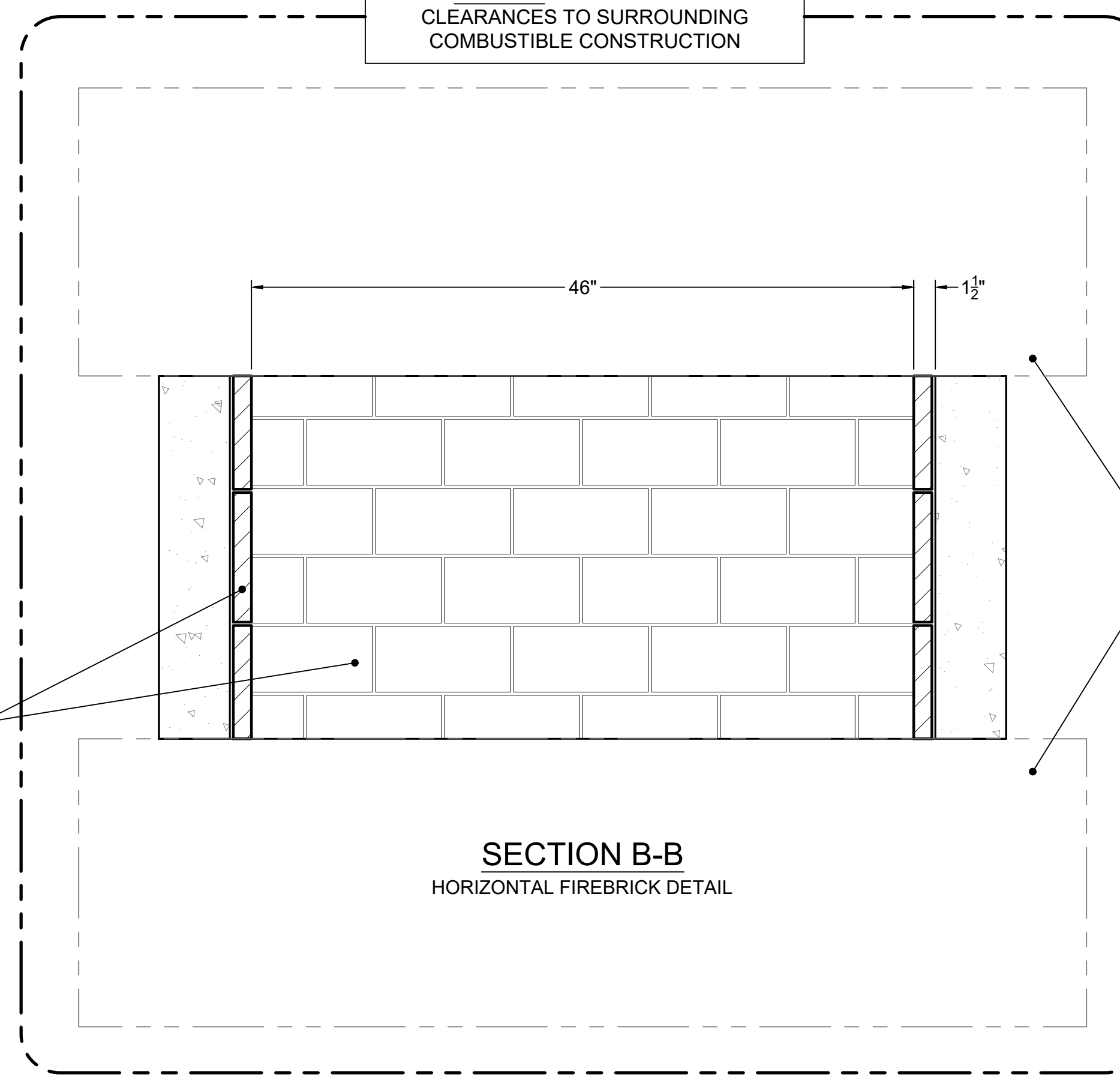
1. THIS IS A CUSTOM ISOKERN FIREPLACE AND CARRIES NO LISTING, UL OR OTHERWISE.
2. FIREPLACE SHALL BE INSTALLED WITH THE MINIMUM CLEARANCES TO COMBUSTIBLES AS LISTED BELOW. NOTE: HEARTH EXTENSION REQUIREMENTS AND ALL CLEARANCES AS MEASURED FROM OPENINGS SHALL APPLY TO ALL OPEN SIDES OF THE FIREPLACE :
  - SMOKE DOME FRONT AND ISOKERN CHIMNEY: 0"
  - SIDES AND REAR: 1.5"
  - COMBUSTIBLE SHEATHING ABOVE OPENING TOP: 8"
  - SHEATHING OR TRIM TO OPENING SIDES: 8"
  - MANTEL ABOVE OPENING: 14"
  - OPENING TO SIDEWALLS: 26"
  - HEARTH EXTENSION BEYOND FRONT: 20"
  - HEARTH EXTENSION BEYOND SIDES (FINISHED): 12"
  - COMBUSTIBLE FLOOR: NOT ALLOWED
  - INSULATION FROM FIREBOX (UNSHIELDED): 3"
3. THE FIREPLACE AND NONCOMBUSTIBLE HEARTH EXTENSION SHALL REST ATOP A NONCOMBUSTIBLE FLOORING SYSTEM WITH NO WOODEN UNDERPINNINGS.
4. 4"x6"x $\frac{3}{8}$ " STEEL ANGLE . 58-7/8" LONG IS REQUIRED TO SPAN OPENING ON BOTH SIDES OF FIREBOX. ANGLE IS NOT SUPPLIED BY EARTHCORE. MUST SOURCE LOCALLY.
5. MECHANICAL VENTILATION ASSISTANCE IS REQUIRED FOR THIS DESIGN. A MECHANICAL DRAFT COMPANY SHALL BE CONSULTED TO SPECIFY VENTILATION SYSTEM COMPONENTS/ CAPACITY BASED ON SPECIFIC INSTALLATION REQUIREMENTS.
6. IF YOU INSTALL A VENTED GAS LOG SET (DECORATIVE GAS APPLIANCE), THE LOG SET MUST COMPLY WITH THE STANDARD FOR DECORATIVE GAS APPLIANCE FOR INSTALLATION IN SOLID FUEL BURNING FIREPLACES, ANSI Z21.60 OR Z21.84 AND SHALL ALSO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FUEL GAS CODE, ANSI Z223/ NFPA 54; LATEST EDITION. IF YOU WISH TO INSTALL AN UNVENTED (VENT-FREE) GAS LOG SET, ONLY UNVENTED GAS LOG SETS WHICH HAVE BEEN FOUND TO COMPLY WITH THE STANDARD FOR UNVENTED ROOM HEATERS, ANSI Z21.11.2 ARE TO BE INSTALLED IN THIS FIREPLACE. CHECK LOCAL CODES FOR COMPLIANCE FOR UNVENTED (VENT FREE) GAS LOG SETS.
7. 4" COMBUSTION AIR INLET KITS ARE RECOMMENDED BY EARTHCORE FOR THE STANDARD AND MAGNUM SERIES FIREPLACES 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').
8. DRAWINGS ARE FOR DESIGN PURPOSES ONLY AND ARE THE SOLE PROPERTY OF EARTHCORE INDUSTRIES. ANY REPRODUCTION OR UNAUTHORIZED USE IS STRICTLY PROHIBITED.
9. 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.
10. ALWAYS CHECK LOCAL BUILDING CODES GOVERNING FIREPLACES AND FIREPLACE INSTALLATIONS.

## ISOMETRIC VIEW (N.T.S)



MINIMUM  
1/4" THICK FIREBRICK  
W/ 1/4" MORTAR

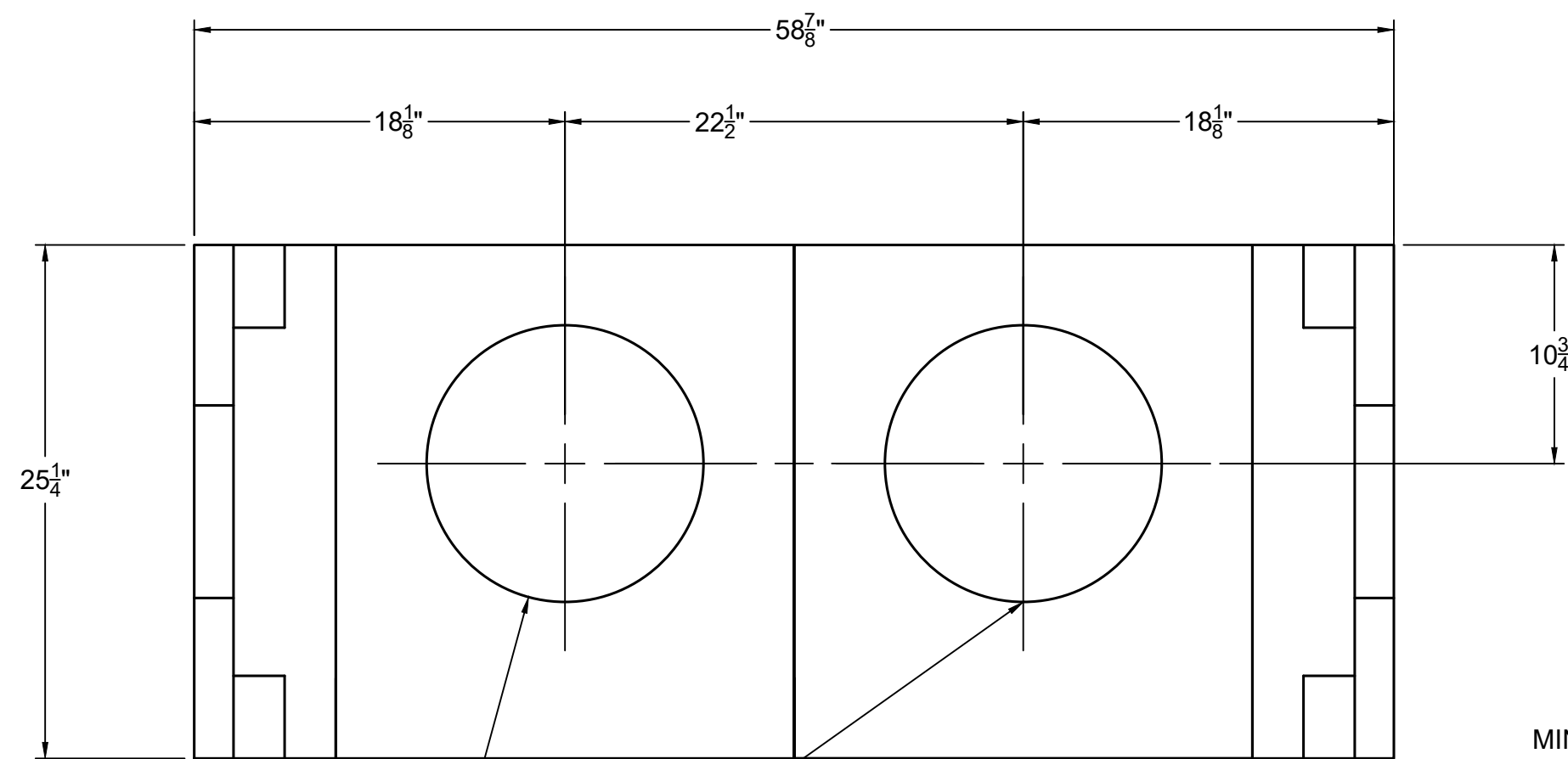
SEE DETAIL-B ON NEXT SHEET FOR  
CLEARANCES TO SURROUNDING  
COMBUSTIBLE CONSTRUCTION



SECTION B-B  
HORIZONTAL FIREBRICK DETAIL

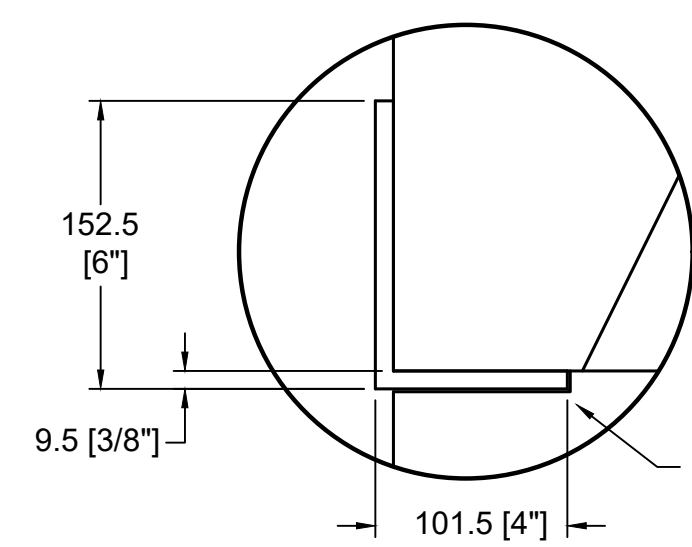
ISOKERN FIREBOX AND  
NONCOMBUSTIBLE  
HEARTH EXTENSION  
SHALL BE SUPPORTED BY  
CONCRETE SLAB WITH NO  
COMBUSTIBLE  
UNDERPINNINGS.

HEARTH EXTENSION  
SHALL EXTEND A MINIMUM  
OF 20" TO THE FRONT AND  
12" TO THE SIDES OF  
FIREBOX'S FINISHED  
OPENING.



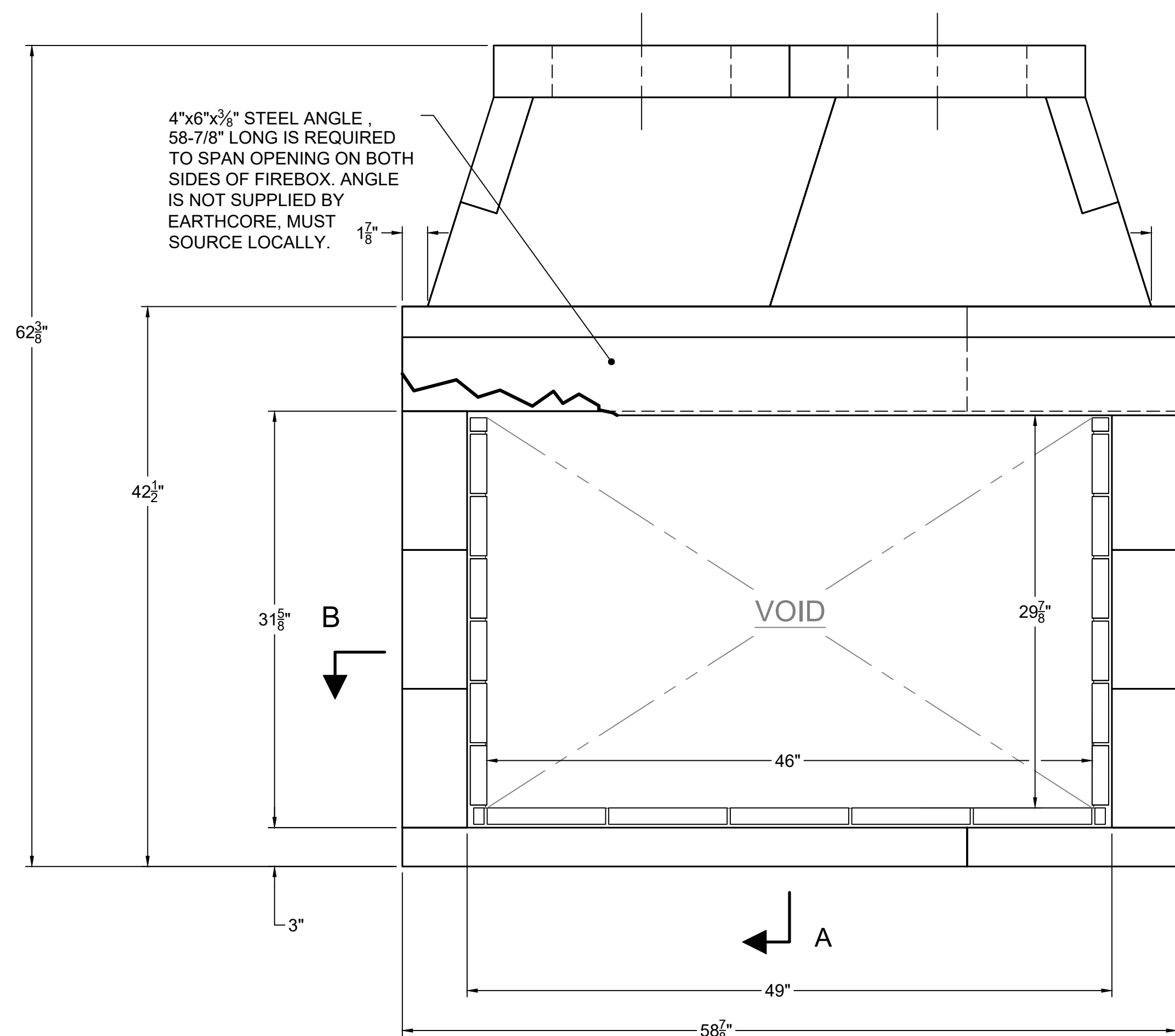
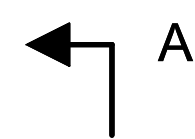
TOP VIEW

(2X) Ø345 (Ø13 9/16") FLUE  
OUTLET. MECHANICAL  
VENTILATION ASSISTANCE  
REQUIRED.

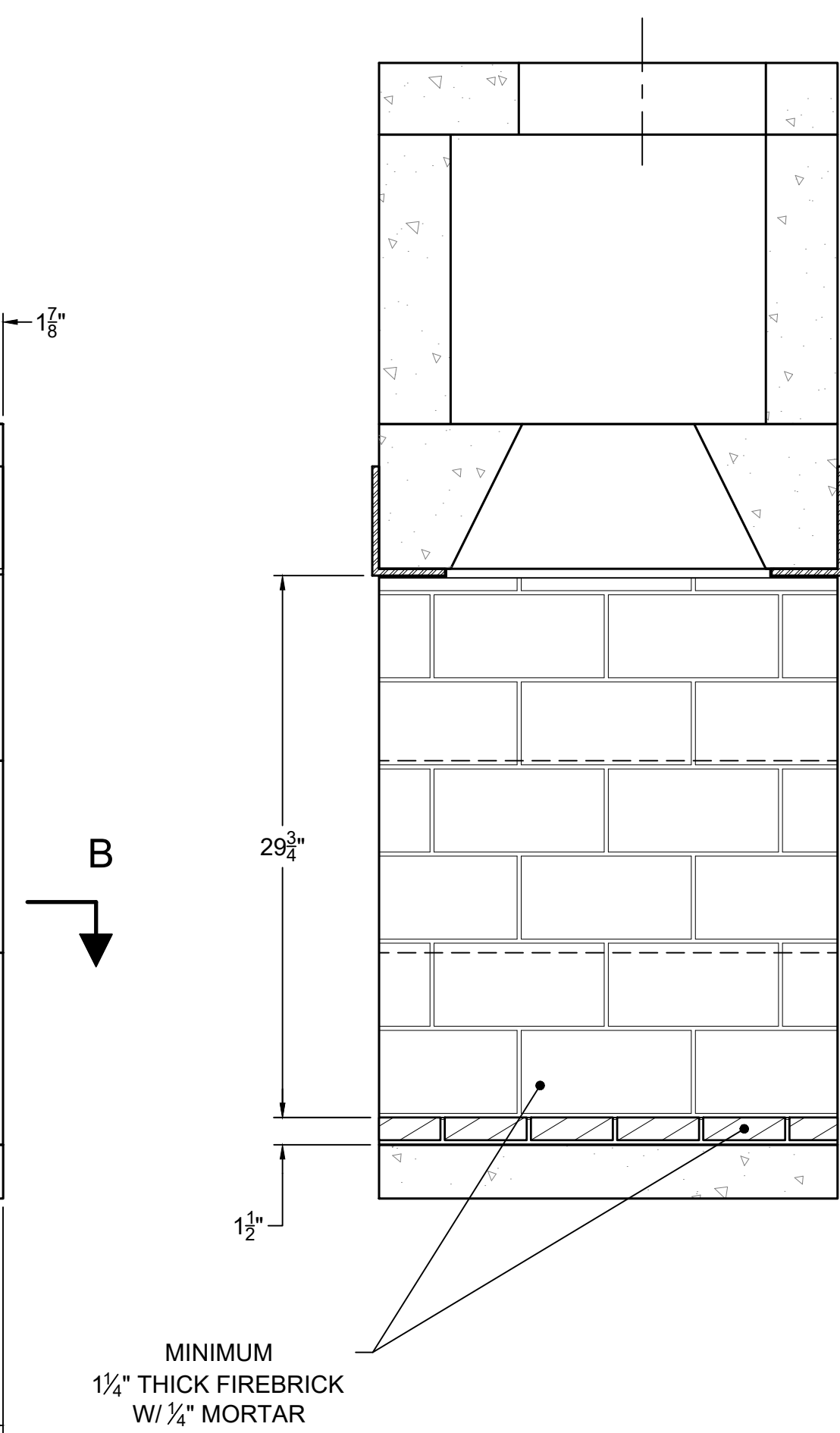


DETAIL A  
DAMPER SUPPORT ANGLE

SIDE WALLS MUST BE  
NOTCHED (FRONT AND REAR)  
SO THAT ANGLE IRON WILL  
SIT FLUSH WITH TOP OF WALL

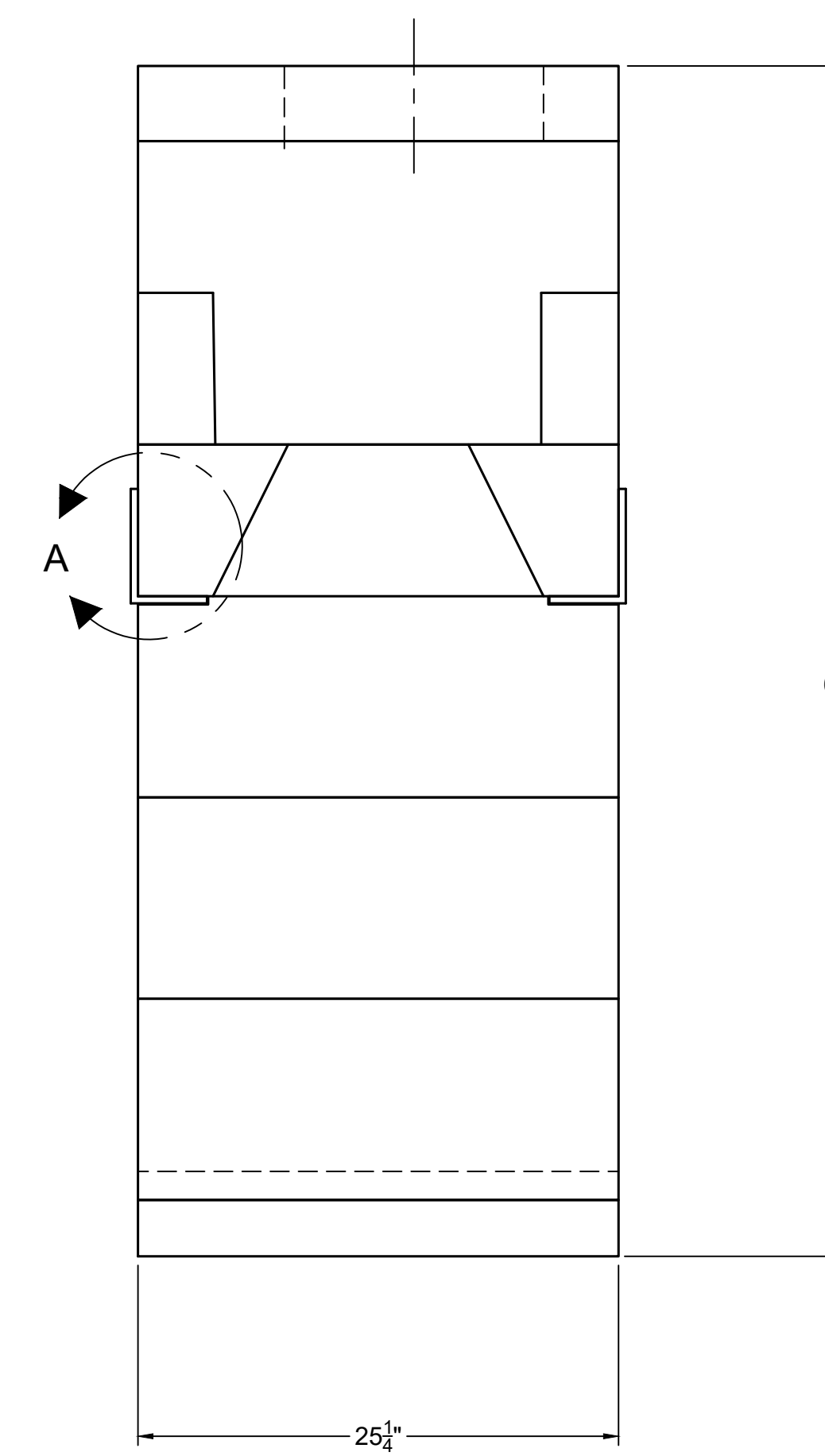


FRONT VIEW



SECTION A-A  
VERTICAL FIREBRICK DETAIL

MINIMUM  
1/4" THICK FIREBRICK  
W/ 1/4" MORTAR



RIGHT-SIDE VIEW

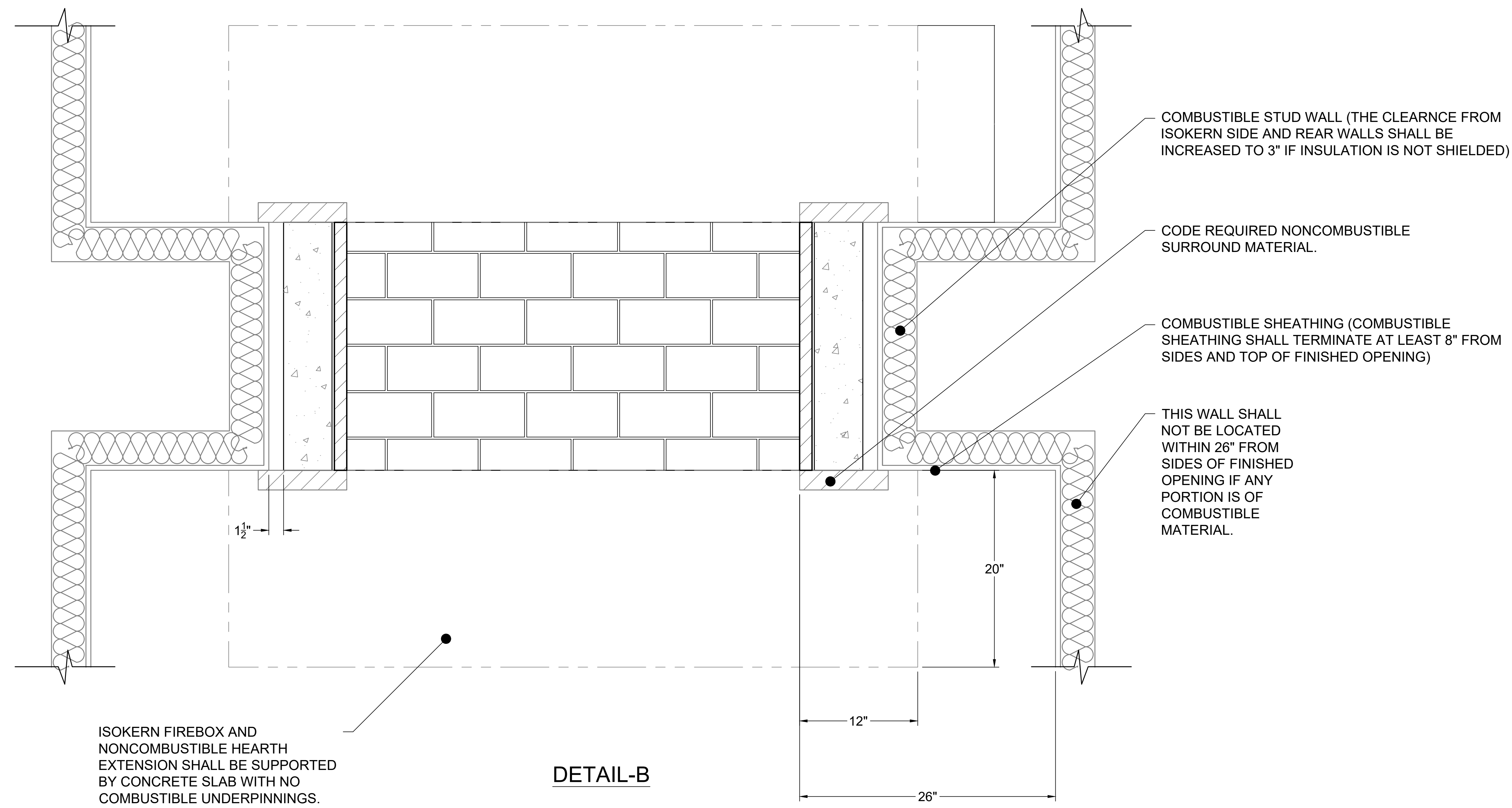


UNLESS OTHERWISE STATED, ALL DIMENSIONS ARE IN MILLIMETERS		PROJECT: <b>46"-SEE THRU (80s46ST)</b>	
THIRD ANGLE PROJECTION		DESCRIPTION: <b>FIREPLACE CONSTRUCTION DOCUMENT</b>	
MATERIAL: <b>E.C. PUMICE MIXTURE</b>	DATE: <b>11/20/2023</b>	SIZE: <b>D</b>	SCALE: <b>1-1/2"=1'-0"</b>
DRAWN: <b>K.B.H.</b>	DATE: <b>11/20/2023</b>	DRAWING #: <b>80s46ST</b>	REV: <b>F</b>
APPROVED:	DATE:	DO NOT SCALE	SHEET # <b>1</b> OF <b>2</b>

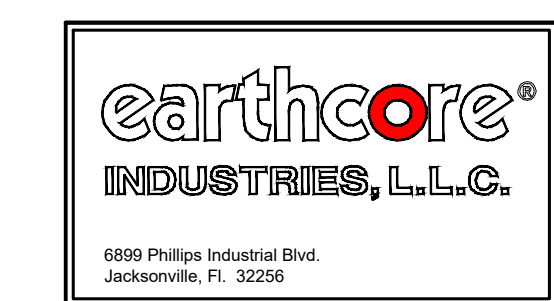
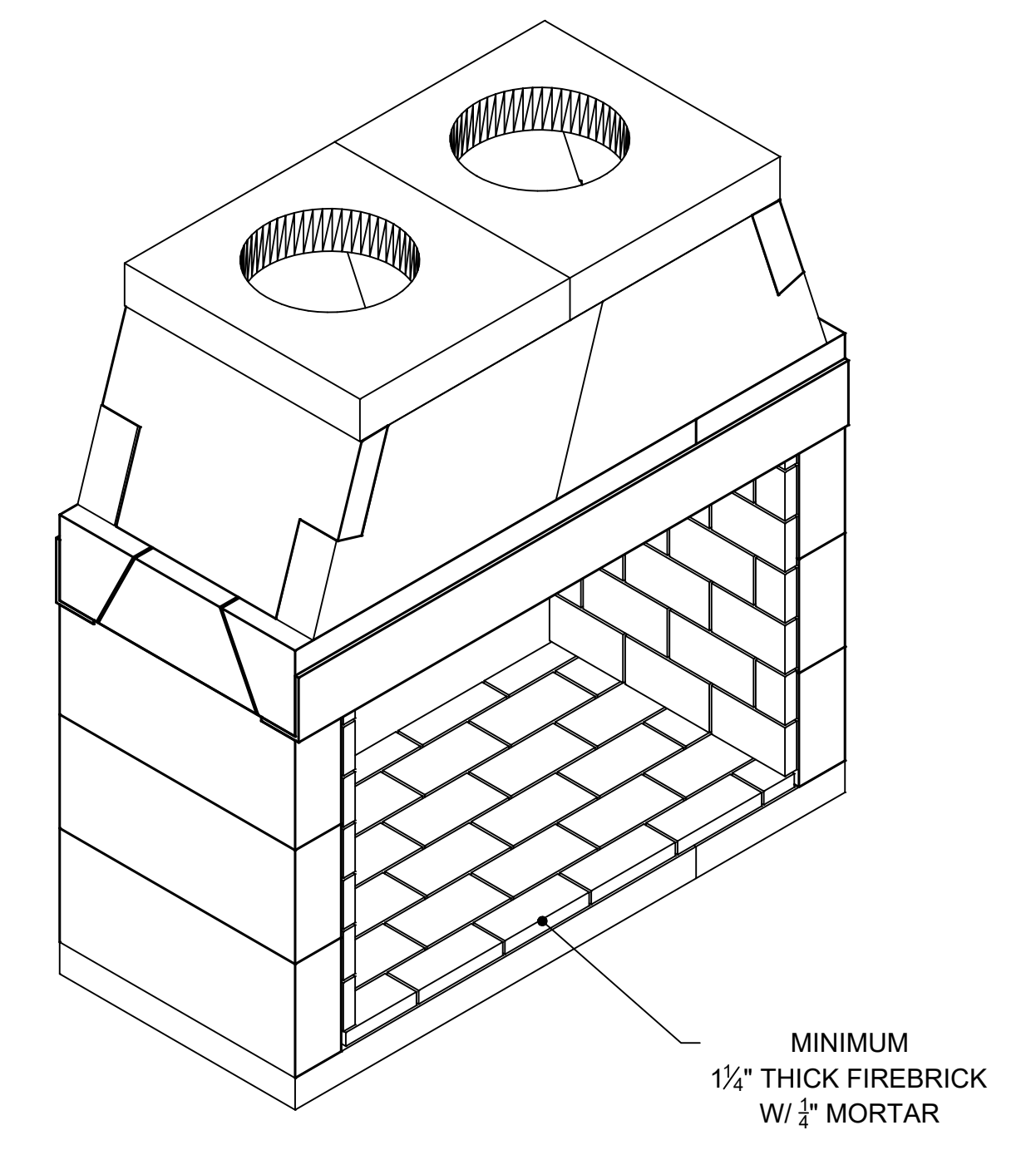
# FIREPLACE ORDER # : 80S46ST

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## ISOMETRIC VIEW (N.T.S)



UNLESS OTHERWISE STATED, ALL DIMENSIONS ARE IN MILLIMETERS		PROJECT:		46" SEE-THRU	
THIRD ANGLE PROJECTION		DESCRIPTION:		CLEARANCES TO COMBUSTIBLE CONSTRUCTION	
MATERIAL:		DATE:		DRAWING #:	
E.C. PUMICE MIXTURE		11/20/2023		80s46ST	
DRAWN:		SCALE:		SHEET #:	
K.B.H.		D N.T.S.		2 OF 2	
APPROVED:		DATE:		REV:	
DO NOT SCALE		DO NOT SCALE		F	