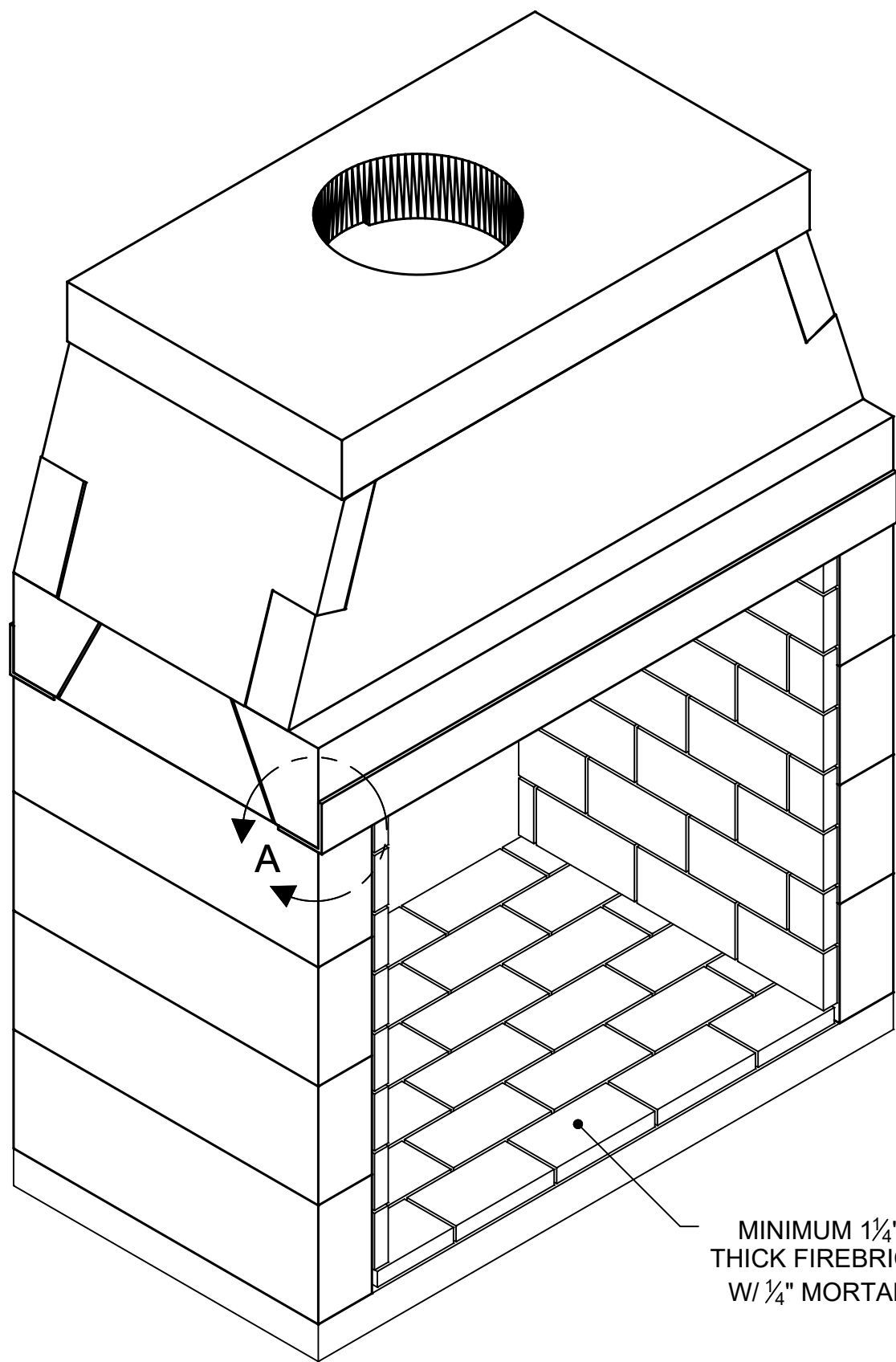


FIREPLACE ORDER # :  
82042ST

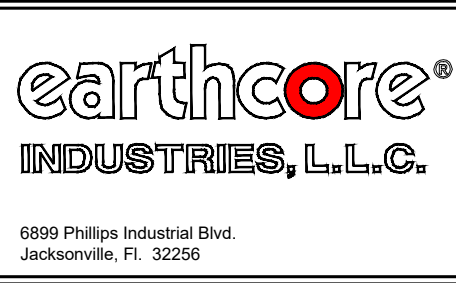
GENERAL NOTES


- THIS CUSTOM ISOKERN FIREPLACE CARRIES NO LISTING, UL OR OTHERWISE.
- 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"
- THE FIREPLACE AND NONCOMBUSTIBLE HEARTH EXTENSION SHALL REST ATOP A NONCOMBUSTIBLE FLOORING SYSTEM WITH NO WOODEN UNDERPINNINGS.
- 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.
- 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.
- 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').
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- ALWAYS CHECK LOCAL BUILDING CODES GOVERNING FIREPLACES AND FIREPLACE INSTALLATIONS.

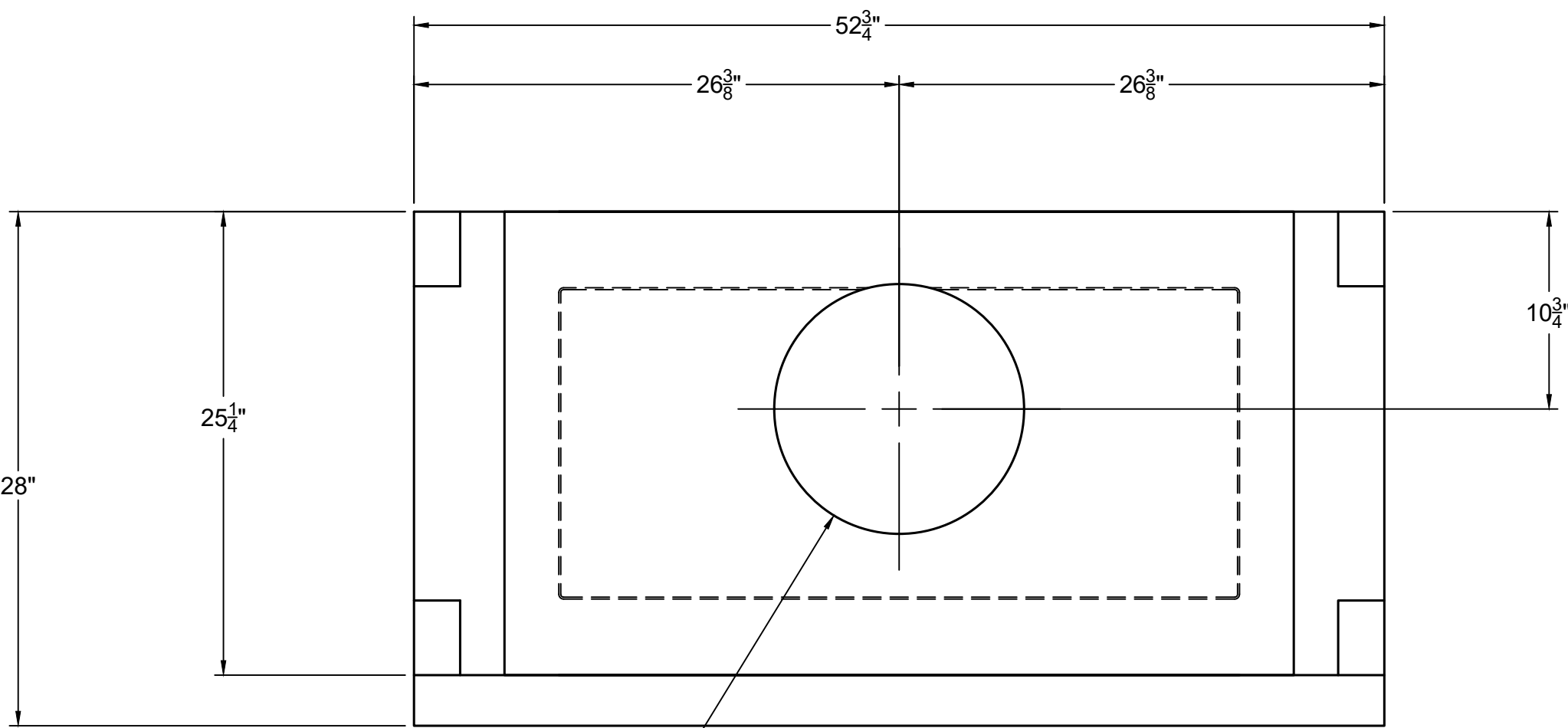
ISOMETRIC VIEW (N.T.S)



NOTE: WHENEVER THE MAXIMUM DM CHIMNEY HEIGHT OF 57' IS EXCEEDED, OR IN ANY INSTANCE WHERE THE ISOKERN BRICK LEDGE IS USED, IT IS REQUIRED THAT THE FIREBOX/SMOKE DOME ASSEMBLY INCLUDE THE PLACEMENT OF A 4" BY 4" BY 3/8" MINIMUM STEEL ANGLE ACROSS THE FIREBOX OPENING. (SEE DETAIL A)

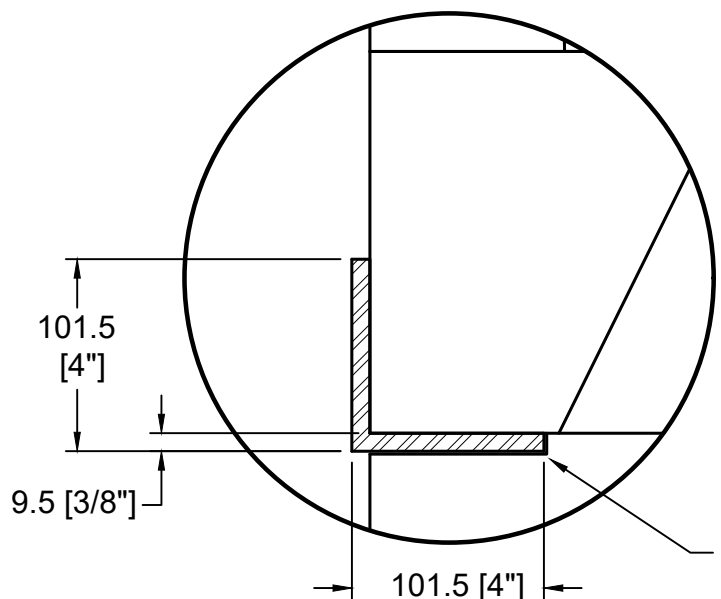


UNLESS OTHERWISE STATED, ALL DIMENSIONS ARE IN MILLIMETERS				PROJECT: 42" MAGNUM-SEE THRU					
UNSPECIFIED TOLERANCES			THIRD ANGLE PROJECTION	DESCRIPTION: FIREPLACE CONSTRUCTION DOCUMENT					
ANG.	X	±		MATERIAL: E.C. PUMICE MIXTURE					
LIN.	X	±		DRAWN: K.B.H	DATE: 7/19/2022	SIZE: D	SCALE: 1-1/2"=1'-0"	DRAWING #: 82042ST	REV: D
	XX	±		APPROVED:	DATE:				
				DO NOT SCALE SHEET # 1 OF 2					



Ø345 [Ø13 9/16"] FLUE OUTLET.  
MECHANICAL VENTILATION  
ASSISTANCE REQUIRED.

TOP VIEW

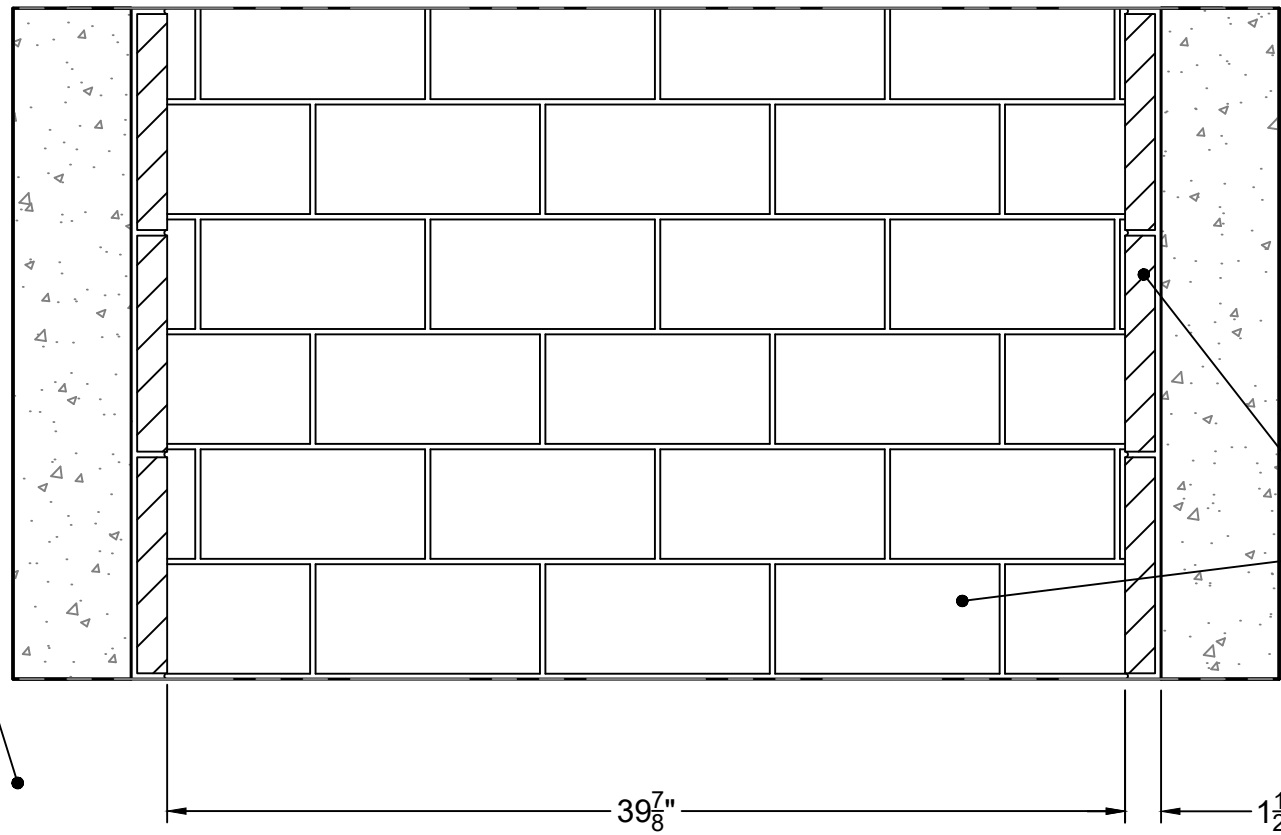


DETAIL A  
DAMPER SUPPORT ANGLE

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

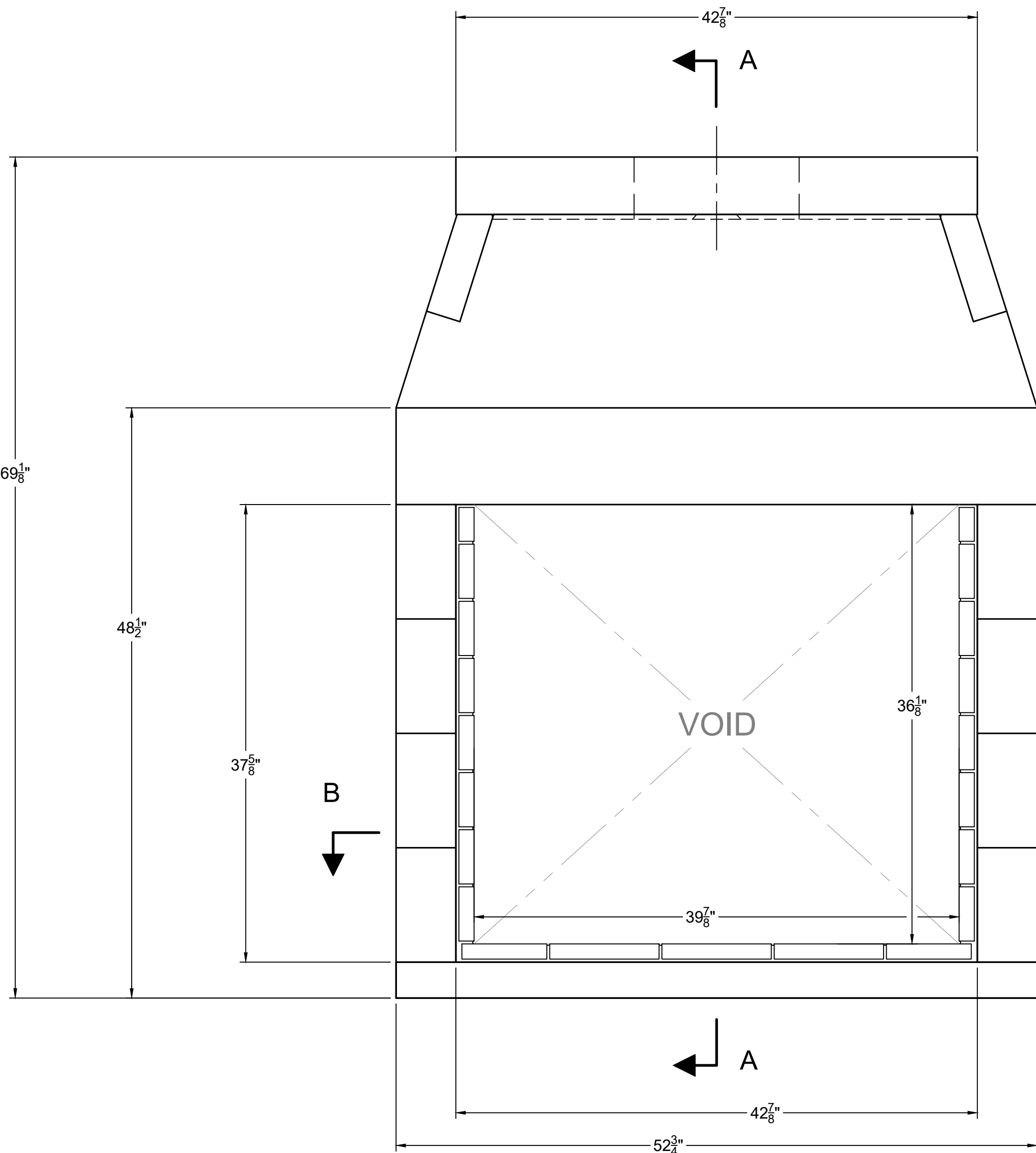
ISOKERN FIREBOX AND  
NONCOMBUSTIBLE  
HEARTH EXTENSION  
SHALL BE SUPPORTED  
BY CONCRETE SLAB  
WITH NO COMBUSTIBLE  
UNDERPINNINGS.

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

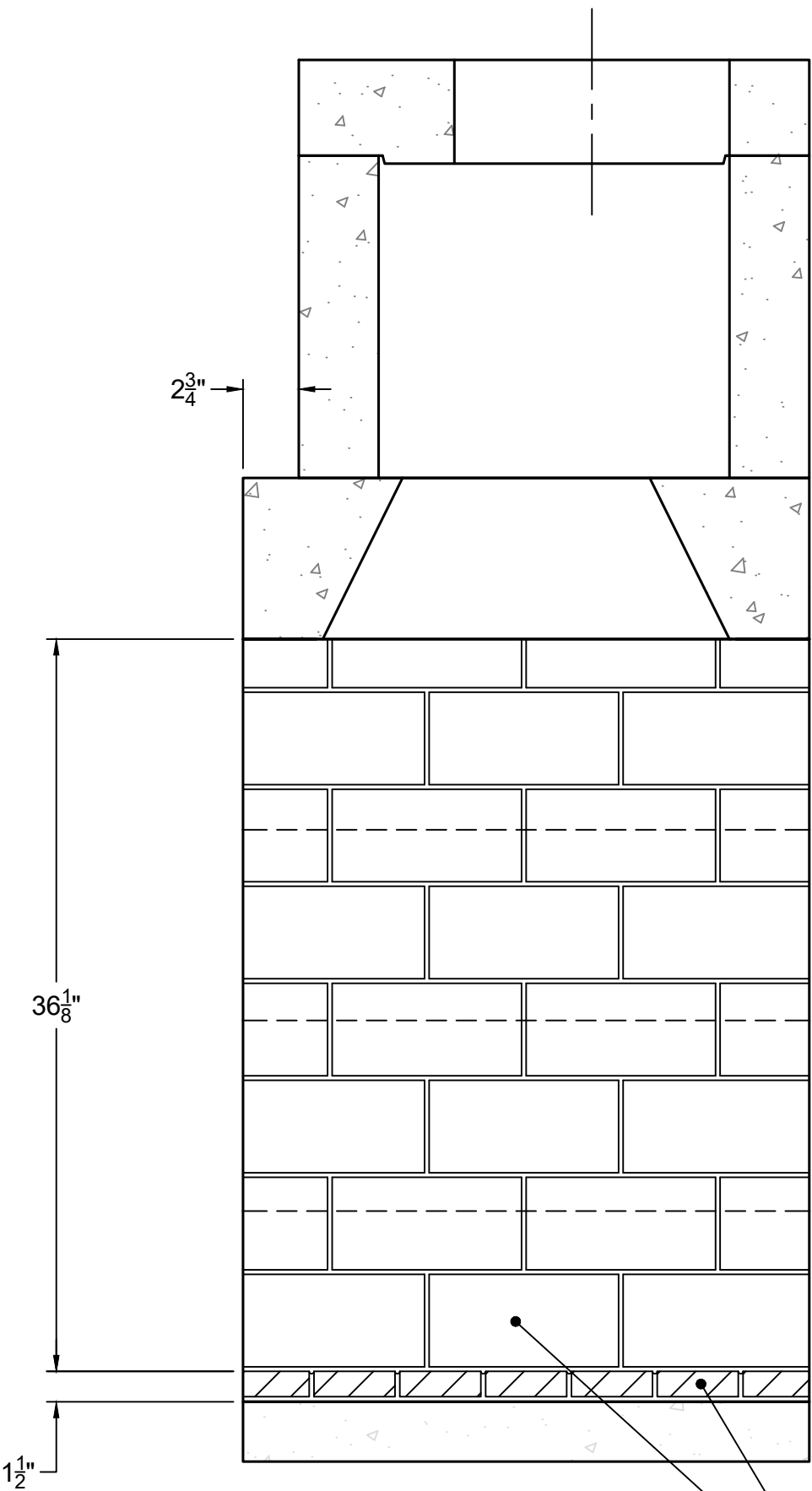


SECTION B-B  
HORIZONTAL FIREBRICK DETAIL

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

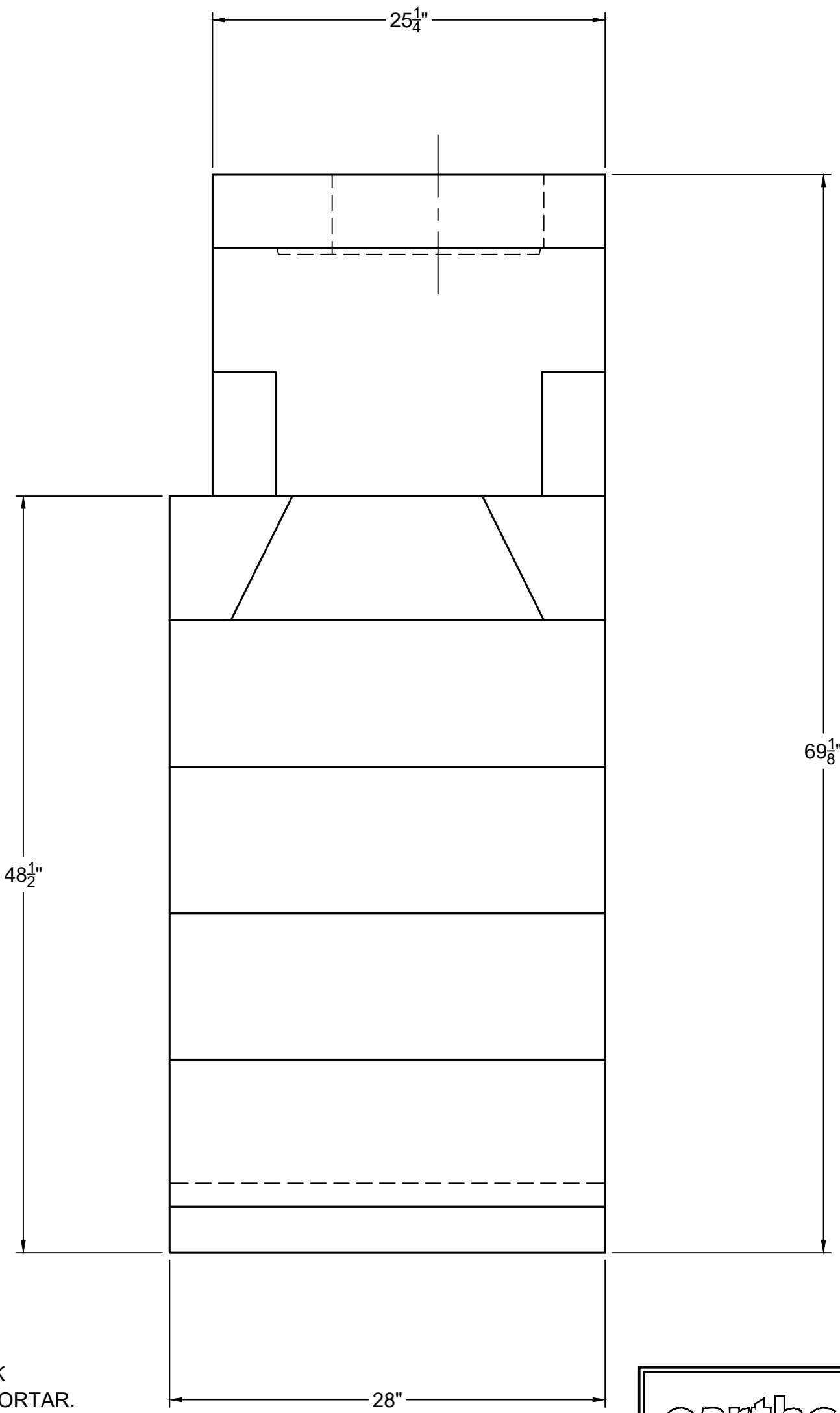


FRONT VIEW



SECTION A-A  
VERTICAL FIREBRICK DETAIL

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



RIGHT-SIDE VIEW

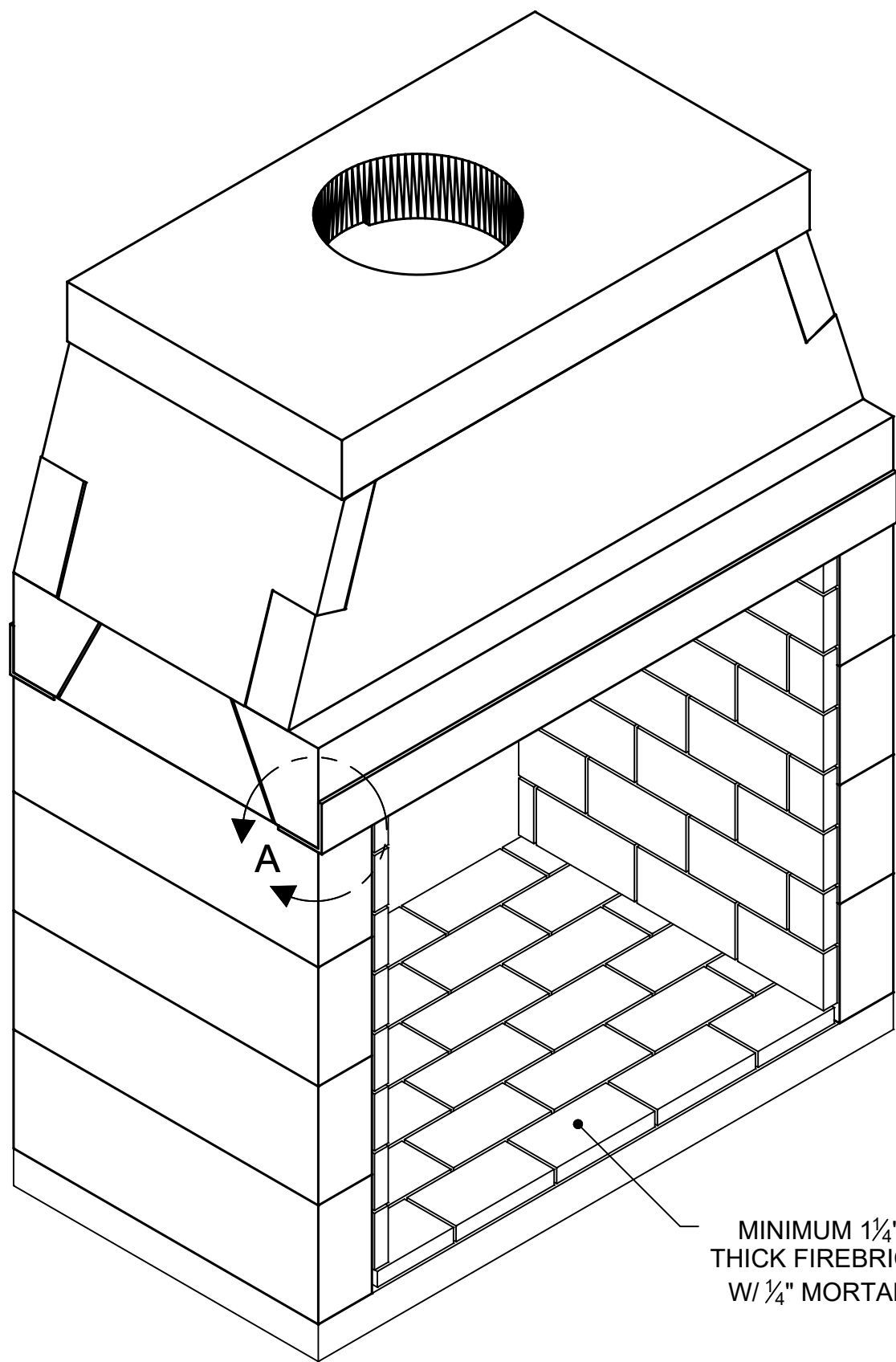


FIREPLACE ORDER # :  
82042ST

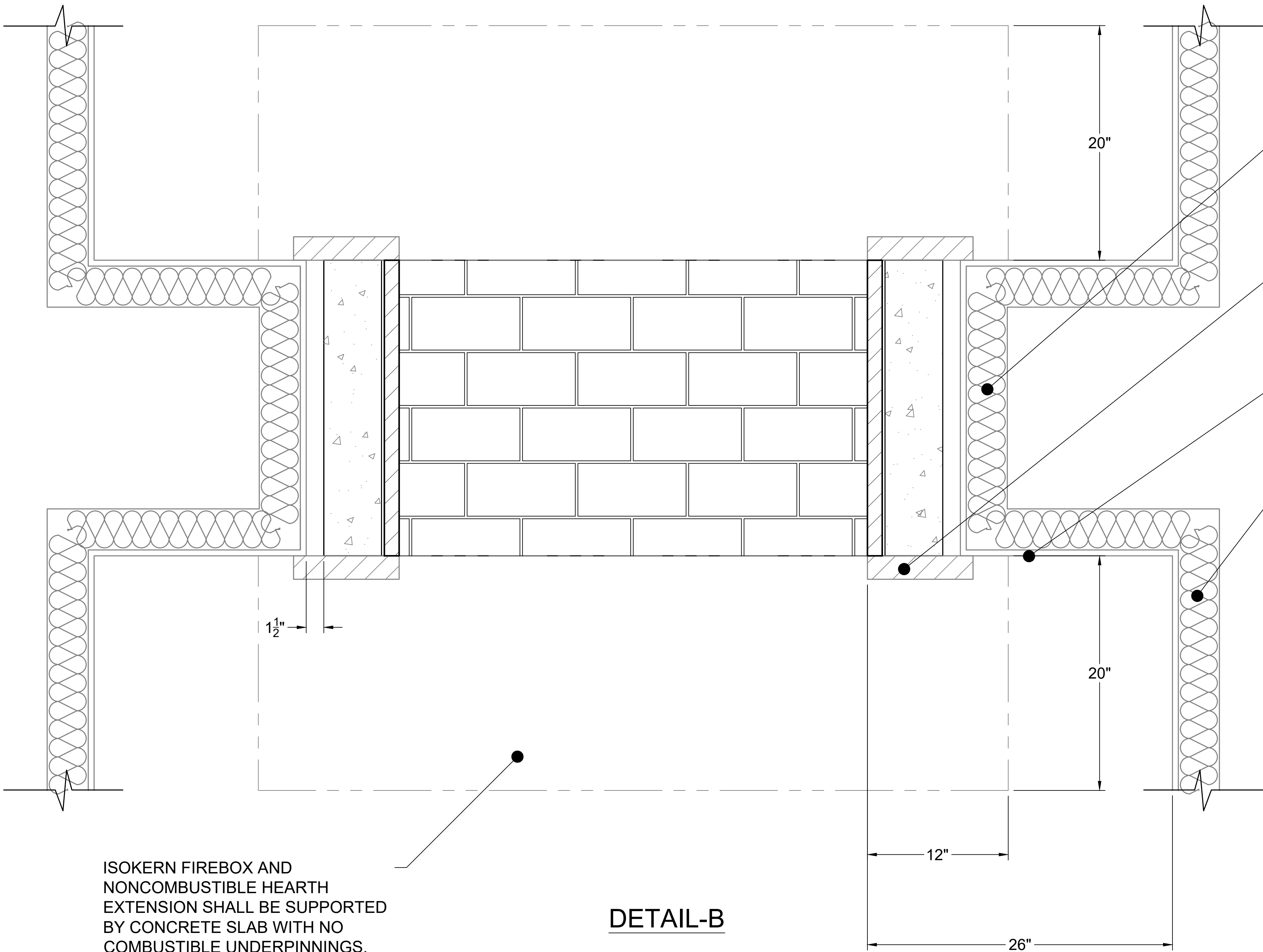
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ISOMETRIC VIEW (N.T.S)



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COMBUSTIBLE STUD WALL (THE CLEARNCE FROM ISOKERN SIDE AND REAR WALLS SHALL BE INCREASED TO 3" IF INSULATION IS NOT SHIELDED)

CODE REQUIRED NONCOMBUSTIBLE SURROUND MATERIAL.

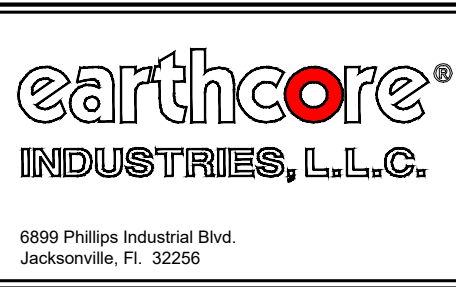
COMBUSTIBLE SHEATHING (COMBUSTIBLE SHEATHING SHALL TERMINATE AT LEAST 8" FROM SIDES AND TOP OF FINISHED OPENING)

THIS WALL SHALL NOT BE LOCATED WITHIN 26" FROM SIDES OF FINISHED OPENING IF ANY PORTION IS OF COMBUSTIBLE MATERIAL.

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.

DETAIL-B



UNLESS OTHERWISE STATED, ALL DIMENSIONS ARE IN MILLIMETERS				PROJECT: 42" MAGNUM-SEE THRU			
THIRD ANGLE PROJECTION				DESCRIPTION: CLEARANCES TO COMBUSTIBLE CONSTRUCTION			
MATERIAL: E.C. PUMICE MIXTURE				DATE: 7/19/2022			
DRAWN: K.B.H.				SCALE: N.T.S.			
APPROVED:				DRAWING #: 82042ST			
DO NOT SCALE				SHEET # 2 OF 2			