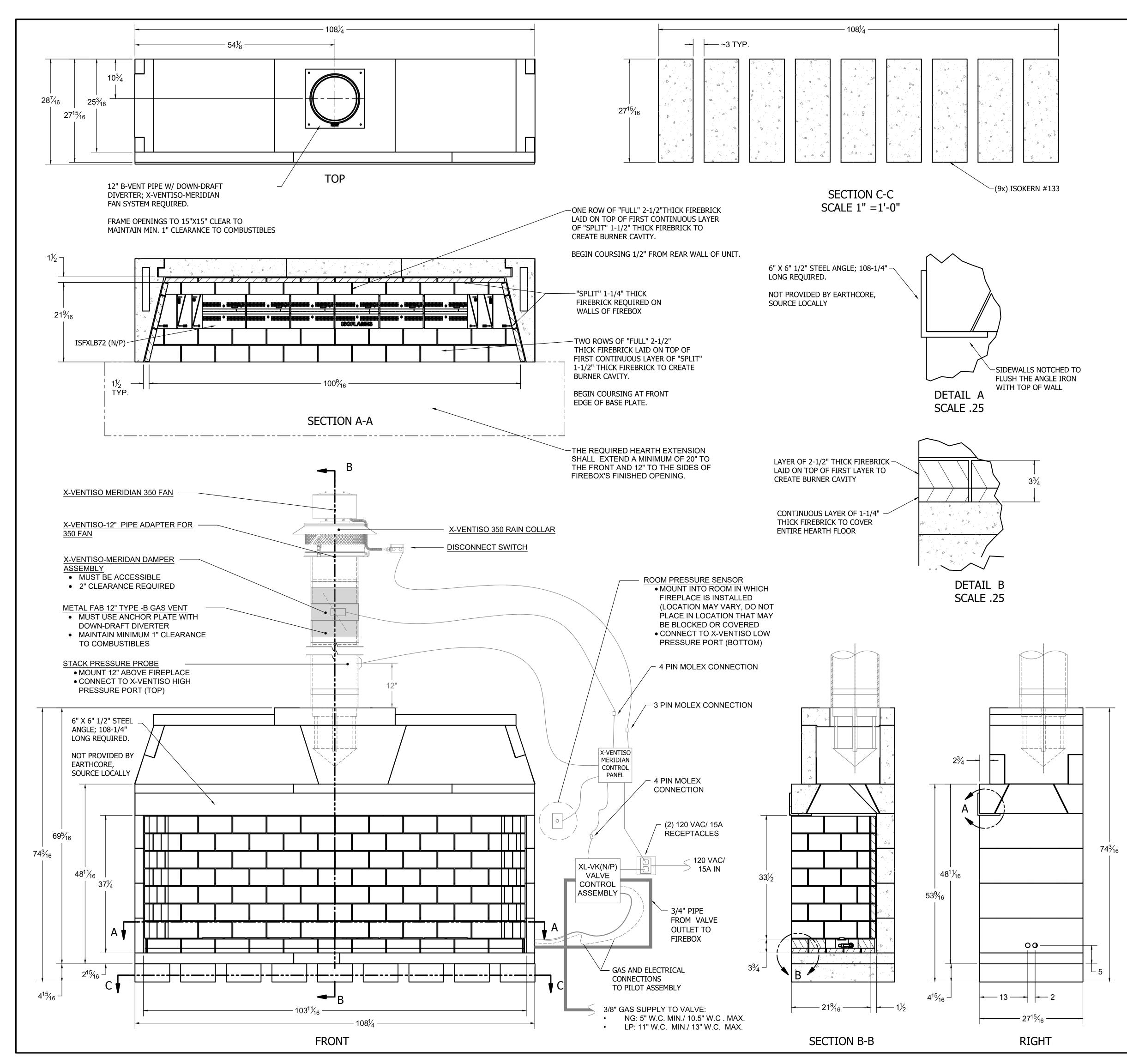
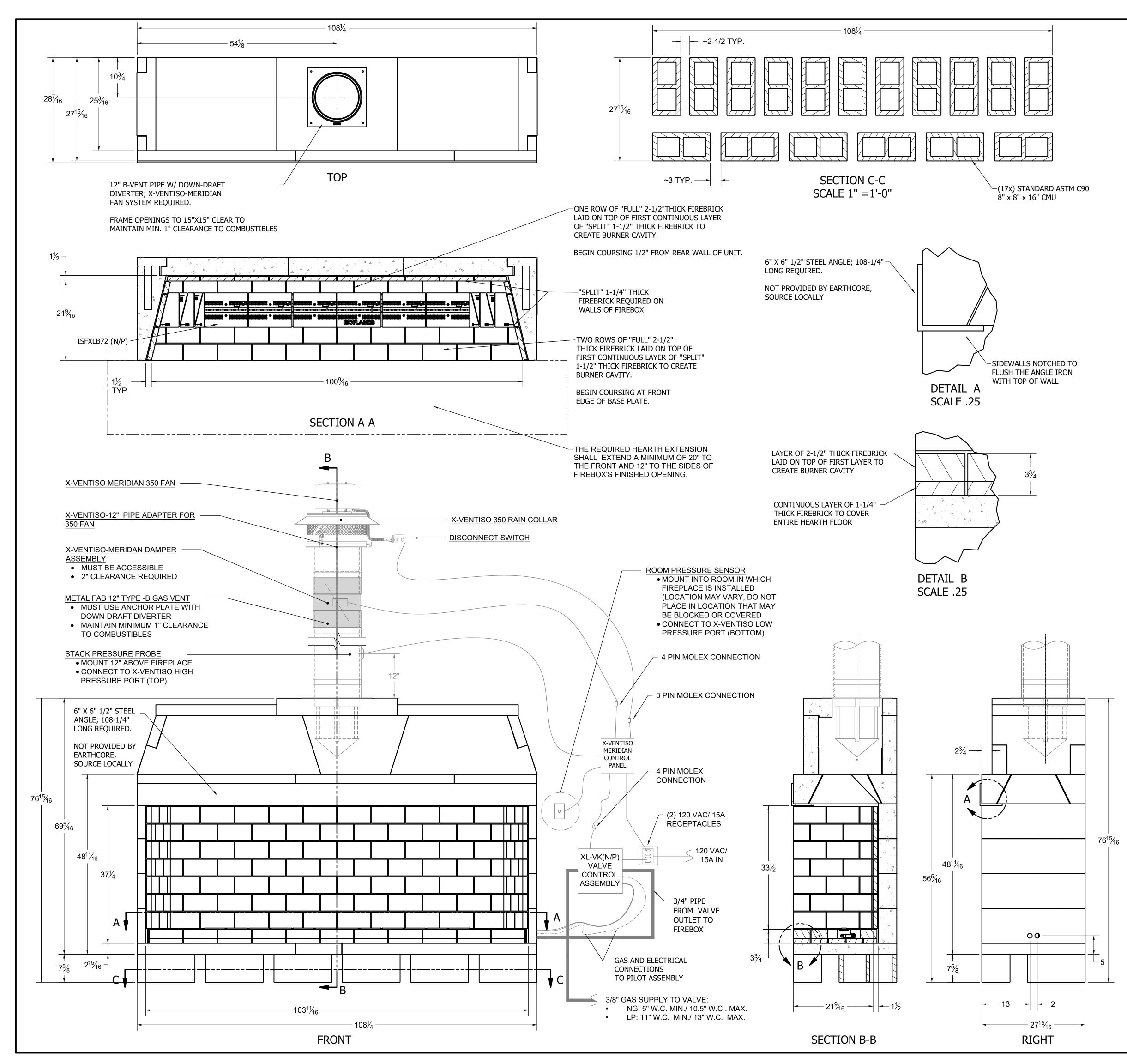


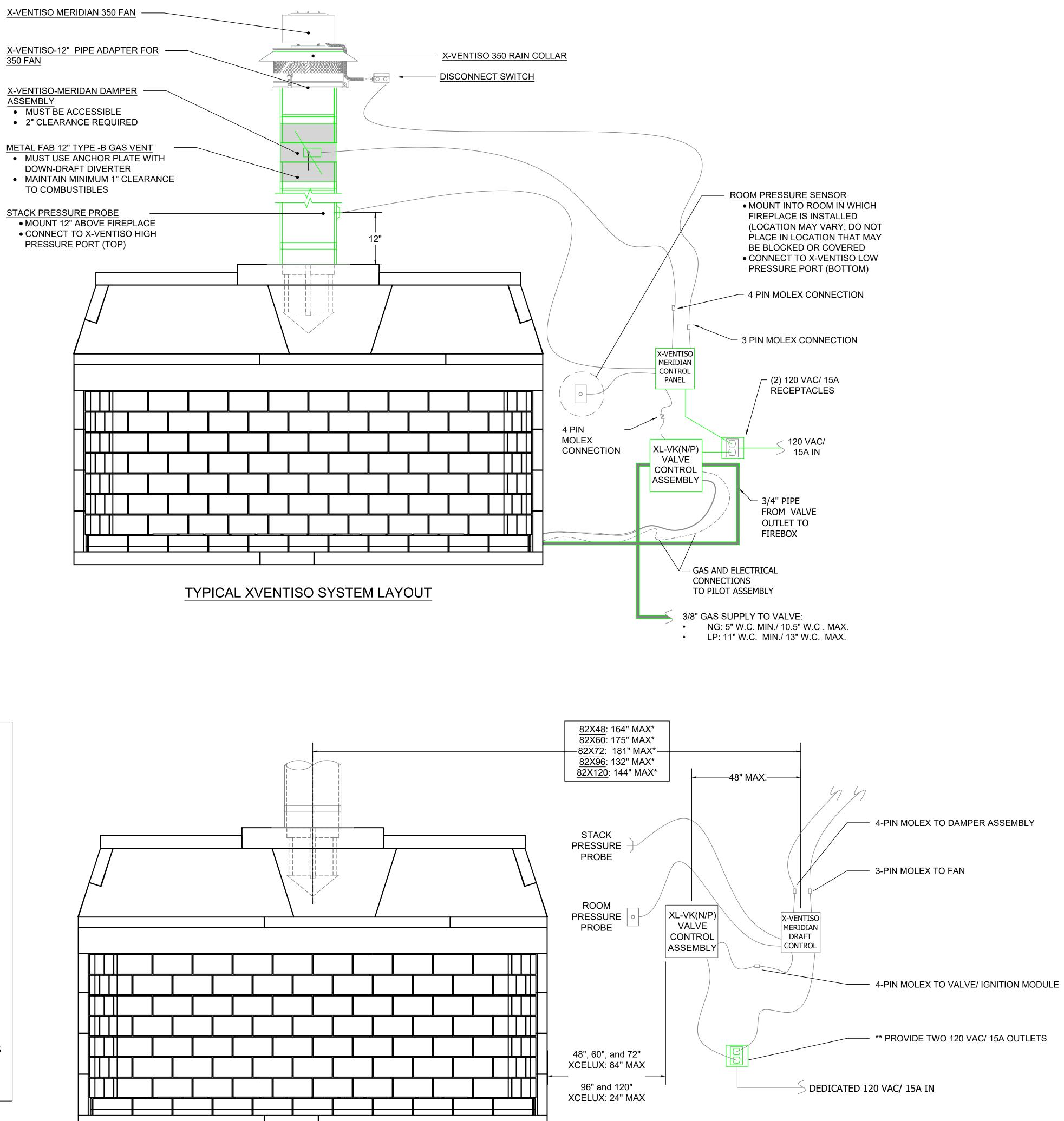
	ISOKE	RN COM	IPONE	NT AND	ACCESS	SOR	RIES LIST	• -	
PART # 82X96	QTY. 1 9	96" XCELUX F		E • 108-1/4" I ON				E, SOURCE LOCAL	
12MDD-EC ISFXLB72(N/P)	1	12in ANCHOR F 72" ISOFLAMES	PLATE W/ I S LINEAR X	ÓRAFT DIVERT (L BURNER (N:	ER & ISOWOO NATURAL GAS)L S/ P: I	PROPANE)		,
XL-VK(N/P)	X	200 kBTU GAS <-VENTISO-ME X-VENTISO-I	ERIDIAN F	AN SYSTEM	CONSISTS O			G:)	
XV-MERDML	•	X-VENTISO-3 X-VENTISO-1	350 FAN F 2" PIPE A	AIN CAP (XV- DAPTER FOR	350RC) 350 FAN (XV	-3504	ADP12)		
	•	X-VENTISO-N X-VENTISO-N PROBE, TUBIN	/IERIDIAN	ROOM PRES	SURE PROBE	MERL E/ CO	D-DAMP) VER PLATE, S	STACK PRESSUF	RE
	•	X-VENTISO-N	<u>/IERIDIAN</u>	CONTROL PA	ANEL (XV-MER	RD-C	TLR)		
WITH THE BURNER IN INCIDENTA 2. THIS FIREP INCLUDES / 3. THIS APPLI AND BURNI 4. THE EXHAL PIPING WIT SUPPLIED IS 5. THE XCELU AS LISTED •UNIT FF •SIDES A •COMBU •SHEATH •MANTEI •OPENIN •HEARTH •HEARTH •HEARTH •HEARTH •INSULA 6. A REDUCEI SIDEWALLS 7. THIS DESIG GAS-ONLY VERTICALL INFORMATI 8. ENSURE TV ACCORDAN 9. ALL ACCES SPECIFICA 10. INSTALL COMBUSTII 11. IMPORTA SHIELD INS 12. DRAWING REPRODUC 13. EARTHCO DAMAGES 0	ISOFLAMES LINEA THIS FIREPLACE LOR CONSEQUEN LACE'S BURNER S AN AUTOMATIC DE ANCE IS ONLY FO ER/ VALVE ARE OF JST FLUE GASES A H DOWN-DRAFT D BUT IS REQUIRED IX SERIES FIREPL BELOW: CONT: 0" IND REAR: 1.5" STIBLE SHEATHIN HING OR TRIM TO ABOVE OPENING G TO SIDEWALLS I EXTENSION BEY STIBLE FLOOR: 5" LATION MANUAL, 0 MES LINEAR XL BU TION FROM FIREB D HEIGHT APPLICA G (MAX REDUCTION SI REQUIRES MEC OPERATION. VEN Y OR HORIZONTA ON REGARDING F VO 120VAC/ 15A O ICE WITH INSTALL SORIES/ EQUIPME TIONS. AND SUPPORT B- BLES IS KEPT AT A ANT: THE X-VENTIS TALLED. IF HEAT GS ARE FOR DESI CTION OR UNAUTH	AR XL BURNER IS PROHIBITED NTIAL DAMAGES SYSTEM (ISFXL) RAFT AND SAFE OR USE WITH THE SAME TYPE P ARE TO BE VEN DIVERTER. THIS FOR PROPER OF ACES SHALL BE OPENING SIDES ACES SHALL BE OPENING SIDES ACES SHALL BE OPENING SIDES (ACES SHALL BE OPENING SIDES (ACES SHALL BE OPENING SIDES (ACES SHALL BE OPENING SIDES (ACES SHALL BE OPENING SIDES (AND FRONT: 2 OND FRONT: 2 OND SIDES (FII OPENING SIDES (AND FRONT: 2 OND SIDES (FII OPENING SIDES (ANY DIVISION CONTINUOUS 1 URNER AND VA ACES SHALL DE CONTINUOUS 1 UNDES (CONTINUOUS 1 UNDES (CONTINUOUS 1 CONTINUOUS 1 UNDES (CONTINUOUS 1 CONTINUOUS 1 UNDES (CONTINUOUS 1 CONTINUOUS 1 CONTIN	SYSTEM AS AND WILL S OR EXPE B72(N//)P) (ETY SYSTE IE TYPE OF RIOR TO IN ITED THRO S TWELVE I OPERATION E INSTALLE MING TOP: S 8" 20" <u>NISHED</u> : 12 OMBUSTIBL -1/4" THICK LVE) ED: 3" FIREPLACE OWED). TILATION A LIMITED TO DINSTALLA ROVIDED F L. CONTRO D INSTALLA ROVIDED F L. CONTRO D INSTALLA ROVIDED F L. CONTRO D INSTALLA S STRICTLY THEREOF THE USE O	S SHOWN IN TH ABSOLVE EAR NSES ARISING COMES WITH A M. GAS INDICATE ISTALLATION. UGH THE TOP INCH (12") DIAM N. D WITH THE M 8" 8" 8" 8" 2" E FLOOR INST/ C FIREBRICK FL E MAY BE INST/ SSISTANCE US O A MAXIMUM C TION MANUAL FOR GAS VALVE D S SHALL BE INST/ SSISTANCE US O A MAXIMUM C TION MANUAL FOR GAS VALVE D S SHALL BE INST/ SEMBLY REQU D, THIS CLEAR O ARE THE SOL PROHIBITED. SHALL NOT BE F THE FIREPLA	IIS DRAWING (I THCORE/ ISOKI OUT OF THE US GAS CONTROL ED ON THE BUF OF THE UNIT W IETER, DOUBLE INIMUM CLEAR ALLATION APPL OOR WITH 2-1/ ALLED BY OMIT ING THE X-VEN OF TWO 90° ELE FOR MAXIMUM E AND X-VENTIS OCATED IN AC D BE INSTALLE COLFICATIONS. IRES 2" CLEAR ANCE INCREAS E PROPERTY O HELD LIABLE F CES OR CHIMN	SFXLI ERN (SE OF - VAL' RNER /ITH 1 = WAL ANCE ANCE 2" THI TING JTISO 30WS I VEN SO-ME CESS ED ACC ENSU ANCE ES TO F EAF = OR A NEY S	372N/P)). USAG DR ANY DIVISIO THIS FIREPLA /E ASSEMBLY (RATING PLATE 2" METAL-FAB (L B-VENTING S S TO COMBUST S TO COMBUST ONE COURSE (-MERIDIAN FAM AND MAY TERM F LENGTHS AND F LENGTHS AND F LENGTHS AND CORDING TO M SIBLE LOCATION CORDING TO M	XL-VK(N/P))THAT . VERIFY GAS SUF JL LISTED B-VENT YSTEM IS NOT TIBLES ED IN XCELUX BURNER CAVITY, A OF BACK AND N SYSTEM FOR MINATE EITHER D ADDITIONAL ROL PANEL IN N. ANUFACTURER'S ARANCE TO BLES WITH HEAT STRIES. ANY L OR CONSEQUEN	ANY
		ISC	OMETF		/ (N.T.S.)				
					(
DIVERTER; X FAN SYSTEM 6" X 6" 1/2" LONG REQUI NOT PROVID SOURCE LOC	STEEL ANGLE; 108 RED. ED BY EARTHCOR	IAN 8-1/4" RE,							
-	D SIDEWALLS								
LAYER TO CR	OUS 1-1/4" THICK EATE BURNER CA' 5 LAYER OF 1-1/4"	VITY.							
FIREBRICK OF	•							00	1
ISFXLB72 (N/I	P)			*REQUI	ISOMET SCALE RED XL-VK(N/P) V/	: N.		OWN	
ดุตาสุรินิ	nc o rcª	UNLESS OTHERWIS DIMENSIONS AR	E IN INCHES	PROJECT:	96" XC	EL	UX SEF	RIES	
		UNSPECIFIED TOLERANCES ANG. A ±	THIRD ANGLE		JSTIBLE FLOO = MIXTURE	<u>r ins</u>	STALLATION		
	•	LIN. <u>.X ±</u> .XX ±		DRAWN: K.B.H APPROVED:	DATE: 10/1/2024 DATE:		SCALE: 1"=1'-0"	DRAWING #: 82X96	REV:



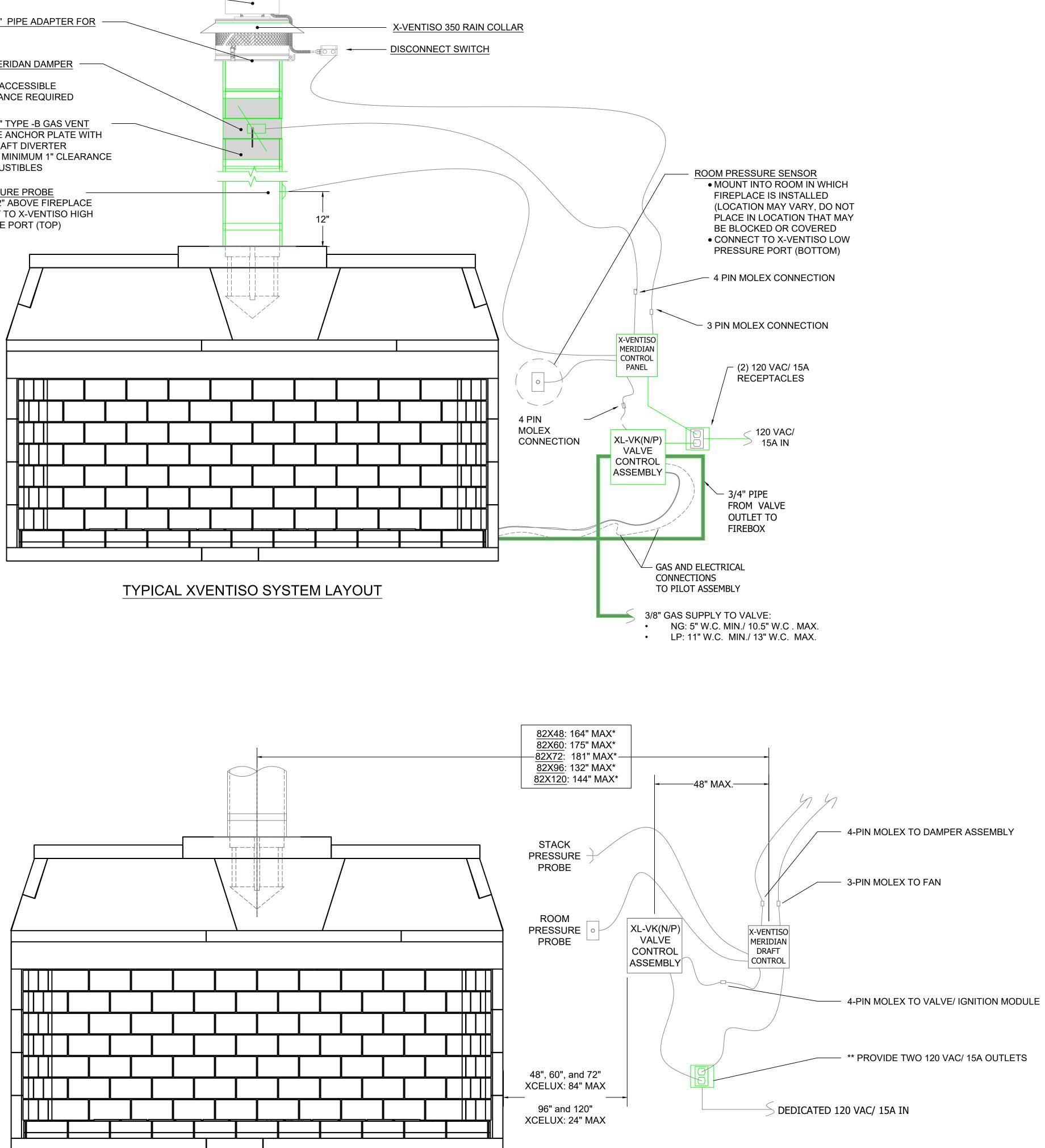
		RN COM	PONE	NT AND			IES LIST		
PART # 82X96 	QTY. 1 1	96" XCELUX FI 6"X6"x1/2" STEI	REPLACE	108-1/4" LO	DESCRIPTIO		BY EARTHCOR	E, SOURCE LOCA	ILY)
12MDD-EC ISFXLB72(N/P) XL-VK(N/P)	1	12in Anchor Pi 72" Isoflames 200 kbtu gas V	_ATE W/ D LINEAR XI	RAFT DIVER L BURNER (N	TER & ISOWOO : NATURAL GAS)L 5/ P: F	PROPANE)		
		X-VENTISO-ME X-VENTISO-M X-VENTISO-35	RIDIAN FA IERIDIAN-	AN SYSTEM -350 FAN (X'	(CONSISTS OI √-MERD-350)	ΓŤΗ	EFOLLOWING	G:)	
XV-MERDML	1	X-VENTISO-12	2" PIPE AE FRIDIAN I	DAPTER ÈOI DAMPER AS	R 350 FÁN (XV- SEMBLY (XV-N	MERL)-DAMP)		
		X-VENTISO-M PROBE, TUBING X-VENTISO-M	XV-MEł) ز	RD-PRESSK	11)			STACK PRESSU	RE
		ISOKERN #133:	REQUIRE		USTIBLE FLOOF				
1 THE ISOKE	RN 96" XCELUX SI	-RIFS FIREPLAC				ACE T	HAT IS APPRO		IIΥ
WITH THE BURNER IN	ISOFLAMES LINEA THIS FIREPLACE	AR XL BURNER S	YSTEM AS	SHOWN IN T ABSOLVE EAF	HIS DRAWING (IS RTHCORE/ ISOKE	SFXLE ERN C	372N/P)). USAG DR ANY DIVISIO	GE OF ANY OTHEF	र
2. THIS FIREP	L OR CONSEQUEN PLACE'S BURNER S AN AUTOMATIC DI	SYSTEM (ISFXLB	72(N//)P) C	OMES WITH A					
3. THIS APPLI AND BURNI	ANCE IS ONLY FO ER/ VALVE ARE OI	R USE WITH THE F SAME TYPE PF	E TYPE OF	GAS INDICAT STALLATION.					
PIPING WIT	JST FLUE GASES / H DOWN-DRAFT [BUT IS REQUIRED	DIVERTER. THIS	TWELVE IN	NCH (12") DIA					I
5. THE XCELU AS LISTED •UNIT FR		ACES SHALL BE	INSTALLEI	D WITH THE N	INIMUM CLEAR	ANCE	S TO COMBUS	TIBLES	
•SIDES A •COMBU	ND REAR: 1.5" STIBLE SHEATHIN			8"					
 MANTEL 	HING OR TRIM TO ABOVE OPENING IG TO SIDEWALLS	<u>G</u> : 12"	: 8"						
•HEARTH •HEARTH	H EXTENSION BEY	OND FRONT: 20	<u>ISHED)</u> : 12			_			
INSTAL	<u>STIBLE FLOOR: </u> 5" LATION MANUAL, MES LINEAR XL B	CONTINUOUS 1-	1/4" THICK						, AND
●INSULA 6. A REDUCEI	TION FROM FIREE	BOX (UNSHIELDE ATION OF THIS F	<u>D):</u> ´3" IREPLACE	MAY BE INST	ALLED BY OMIT	TING	ONE COURSE (OF BACK AND	
7. THIS DESIG	S (MAX REDUCTIO SN REQUIRES MEC OPERATION. VEI	CHANICAL VENTI	LATIÓN AS						
VERTICALL INFORMATI	Y OR HORIZONTA ON REGARDING F	LLY. REFER TO	INSTALLA	TION MANUAL	FOR MAXIMUM	VENT	LENGTHS ANI	O ADDITIONAL	
ACCORDAN 9. ALL ACCES	VO 120VAC/ 15A C NCE WITH INSTALI SORIES/ EQUIPMI	ATION MANUAL	. CONTRO	LS SHALL BE	LOCATED IN AC	CESS	BIBLE LOCATIO	Ν.	
	TIONS. AND SUPPORT B- BLES IS KEPT AT /		LL MANUF	ACTURER SP	ECIFICATIONS.	ENSU	RE MIN.1" CLE	ARANCE TO	
11. IMPORTA SHIELD INS	ANT: THE X-VENTI STALLED. IF HEAT	SO-MERIDIAN DA SHIELD IS NOT	INSTALLED), THIS CLEAF	RANCE INCREAS	SES TO	D 18".		
REPRODUC	GS ARE FOR DESI CTION OR UNAUTH ORE/ ISOKERN OF	IORIZED USE IS	STRICTLY	PROHIBITED.					
DAMAGES (OR EXPENSES AR CHECK LOCAL BI	ISING OUT OF T	HE USE OF	THE FIREPL	ACES OR CHIMN	IEY SY	YSTEMS.		••••
			- 4						
		150	MEIR		<u>V (N.T.S.)</u>				
	PIPE W/ DOWN-DP								
FAN SYSTEM	C-VENTISO-MERID REQUIRED.	IAN							
				\leq		\ll			
6" X 6" 1/2" LONG REQU	STEEL ANGLE; 10 IRED.	8-1/4"	<						
NOT PROVID SOURCE LOO	ded by earthcof Cally	RE,							l
							\int	L r	$\left\{ \right.$
	CFIREBRICK REQU D SIDEWALLS	JIRED —		F				JI-T	4
י 1/2" דµז⊂ג		_							1
2-1/2" THICK FIREBRICK L/ OF CONTINU									1
	REATE BURNER CA								1
	5 LAYER OF 1-1/4'	' THICK							1
FIREBRICK O	N FLOOR							00	7
ISFXLB72 (N/	P)				ISOMET				
#133 SPACED	PER INSTALLATIO	ON MANUAL		*REQL	SCALE JIRED XL-VK(N/P) V		-	IOWN	
(OSTA)	nc <mark>o</mark> rc®®	UNLESS OTHERWISE DIMENSIONS ARE	STATED, ALL	PROJECT:	96" XC	EL	UX SEF	RIES	
	IG V I Č IES, L.L.C.		PROJECTION	COMBUSTI MATERIAL:	<u>BLE FLOOR INS</u> E MIXTURE	STALI	LATION W/ #13	33	
		LIN. <u>.X ±</u> .XX ±	0	DRAWN: K.B.H APPROVED:	DATE: 10/1/2024 DATE:		SCALE: 1"=1'-0"	DRAWING #: 82X96	REV:



	ISOKE	ERN COM	IPONE	NT AND	ACCESS	SOF	RIES LIST	_	
PART # 82X96	QTY.	96" XCELUX F	IREPLACE	Ē	DESCRIPTIC				
 12MDD-EC	1	12in ANCHOR I	PLATE W/ D	DRAFT DIVERT	ER & ISOWOO)L		e, source local	LY)
ISFXLB72(N/P) XL-VK(N/P)	1	72" ISOFLAME 200 kBTU GAS X-VENTISO-MI X-VENTISO- X-VENTISO-3	VALVE CON ERIDIAN F MERIDIAN	NTROL BOX(AN SYSTEM -350 FAN (X\	N: NATURAL G (CONSISTS O ′-MERD-350)	AS/ P	: PROPANE)	G:)	
XV-MERDML	1	X-VENTISO-1 X-VENTISO-N	2" PIPE AI //ERIDIAN //ERIDIAN	DAPTER FOF DAMPER AS ROOM PRES	R 350 FAN (XV SEMBLY (XV-I SURE PROBE	MERI	D-DAMP)	STACK PRESSU	RE
		X-VENTISO-N	MERIDIAN	CONTROL P	AŃEL (XV-MEI			OR INSTALLATIO	N
	17								
1. THE ISOKE	RN 96" XCELUX S	ERIES FIREPLA	CE IS A TOP	P-VENTED, GA	S ONLY FIREPL	ACE 1	THAT IS APPRO	VED FOR USE ONI	LY
BURNER IN INCIDENTAL 2. THIS FIREP INCLUDES 3. THIS APPLI AND BURNI 4. THE EXHAL PIPING WIT SUPPLIED B	THIS FIREPLACE L OR CONSEQUE LACE'S BURNER AN AUTOMATIC D ANCE IS ONLY FO ER/ VALVE ARE O JST FLUE GASES H DOWN-DRAFT I BUT IS REQUIRED JX SERIES FIREPL	IS PROHIBITED NTIAL DAMAGES SYSTEM (ISFXL RAFT AND SAFI OR USE WITH TH F SAME TYPE P ARE TO BE VEN DIVERTER. THIS FOR PROPER) AND WILL , S OR EXPEN B72(N//)P) C ETY SYSTEN IE TYPE OF RIOR TO IN ITED THROU S TWELVE II OPERATION	ABSOLVE EAR NSES ARISING OMES WITH A GAS INDICATI STALLATION. JGH THE TOP NCH (12") DIAN J.	THCORE/ ISOK OUT OF THE U GAS CONTROL ED ON THE BUF OF THE UNIT W IETER, DOUBLE	ERN (SE OF _ VAL RNER /ITH 1 E WAL	OR ANY DIVISIC THIS FIREPLA VE ASSEMBLY (RATING PLATE 2" METAL-FAB L B-VENTING S	(XL-VK(N/P))THAT VERIFY GAS SUF UL LISTED B-VENT SYSTEM IS NOT	ANY PPLY
●UNIT FF ●SIDES A	<u>RONT</u> : 0" AND REAR: 1.5"								
	STIBLE SHEATHIN			8"					
	L ABOVE OPENING		_						
•HEARTH	HEXTENSION BEY	OND SIDES (FI	NISHED): 12						
INSTALI ISOFLA	STIBLE FLOOR: 5' LATION MANUAL, MES LINEAR XL B TION FROM FIREE	CONTINUOUS 1	-1/4" THICK LVE)					ED IN XCELUX BURNER CAVITY,	AND
6. A REDUCE	D HEIGHT APPLIC (MAX REDUCTIC	ATION OF THIS	FIREPLACE	MAY BE INST.	ALLED BY OMIT	TING	ONE COURSE	OF BACK AND	
7. THIS DESIG	OPERATION. VE	CHANICAL VEN	TILATIÓN AS						
-	Y OR HORIZONTA ON REGARDING F		O INSTALLA	TION MANUAL	FOR MAXIMUM	I VEN	T LENGTHS ANI	D ADDITIONAL	
ACCORDAN		LATION MANUA	L. CONTRC	LS SHALL BE	LOCATED IN AC	CESS	SIBLE LOCATIO		
10. INSTALL	AND SUPPORT B		ALL MANUF	ACTURER SPE	CIFICATIONS.	ENSL	JRE MIN.1" CLE	ARANCE TO	
11. IMPORTA		SO-MERIDIAN D						IBLES WITH HEAT	
	GS ARE FOR DES CTION OR UNAUTH		-	-	E PROPERTY C	OF EAF	RTHCORE INDU	ISTRIES. ANY	
	ORE/ ISOKERN OF OR EXPENSES AF							L OR CONSEQUEN	ITIAL
14. ALWAYS	CHECK LOCAL B	UILDING CODES	GOVERNIN	NG FIREPLACE	S AND FIREPL	ACE IN	NSTALLATIONS		
		ISC	JMETH	RIC VIEW	/ (N.T.S.)				
	PIPE W/ DOWN-D K-VENTISO-MERIE								
	I REQUIRED.								
				\sim		\geq	\supset		
6" X 6" 1/2" LONG REQU	STEEL ANGLE; 10 IRED.	08-1/4"	<					1	
NOT PROVII	DED BY EARTHCO	RE,		\int	\Box		$\left \right $	\searrow	
SOURCE LO	CALLY							T	1
								4 1	
•	k firebrick req Id sidewalls	UIRED —							1
						\square			1
2-1/2" THICH FIREBRICK L						\Box			1
	Jous 1-1/4" Thic Reate Burner C								-
CONTINUOU FIREBRICK C	s layer of 1-1/4 In Floor	" THICK ——		\mathbf{S}					
								00	7
ISFXLB72 (N/	/P)				ISOMET				
CMU SPACED	PER INSTALLATIO	on Manual			SCALE			*	
		1		*REQU	RED XL-VK(N/P) V	ALVE A	ASSEMBLY NOT SH		
OPTA-)C O [7@®	UNLESS OTHERWIS DIMENSIONS AR UNSPECIFIED	SE STATED, ALL E IN INCHES		96" XC	EL	UX SEF	RIES	
	IES, L.L.C.	TOLERANCES ANG. A ±	PROJECTION	COMBUSTII MATERIAL: E.C. PUMIC	<u>BLE FLOOR IN</u> E MIXTURE	<u>STAL</u>	LATION W/ CM	1U	
		LINX ± .XX ±	$\bigcirc \bigcirc \bigcirc$	DRAWN: K.B.H	DATE: 10/1/2024 DATE:		SCALE: 1"=1'-0"	DRAWING #: 82X96	REV:
			1		ı		DO NOT SCALE	SHEET # 3 OF	<u> </u>

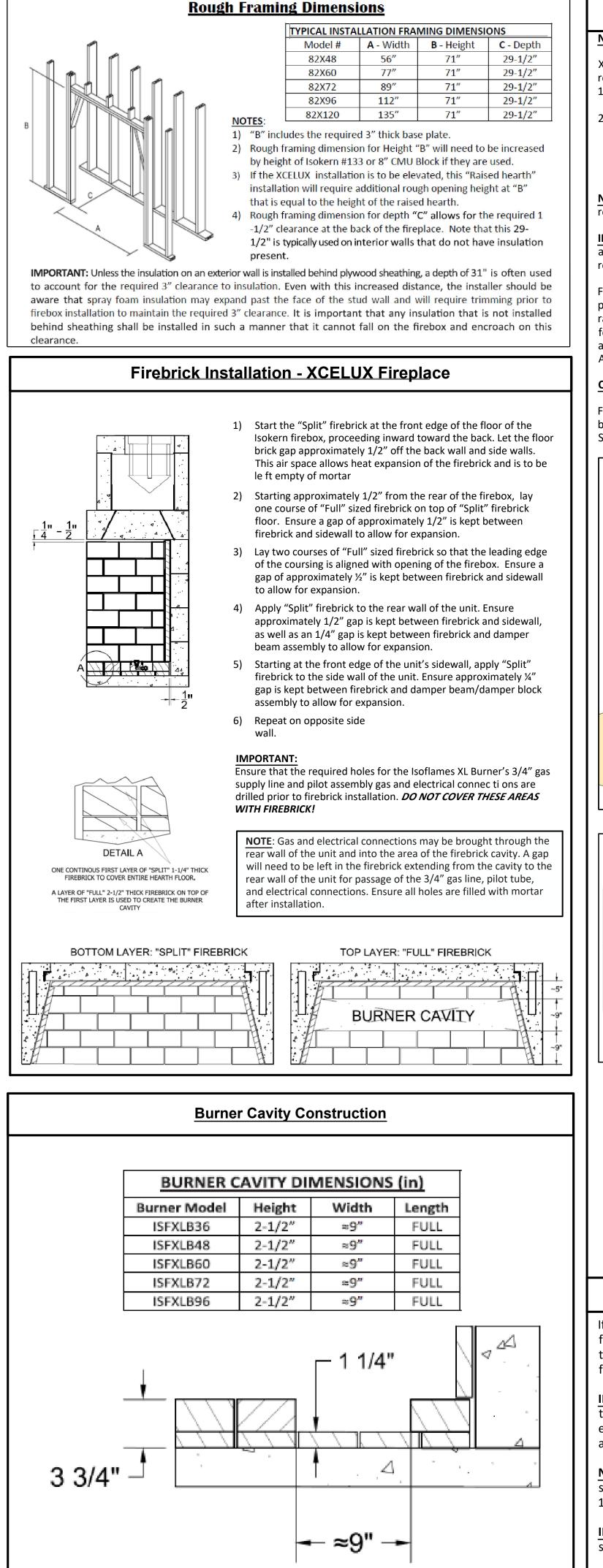


- * Maximum values as shown are derived from length of Molex connectors to the gas valve control assembly.
- ** Outlet locations must be within the extents of the 72" power supply cables of the Meridian **Control Panel** and the XL-VK(N/P) Gas Valve/ Control Assembly



XVENTISO AND XL-VK(N/P) LOCATION GUIDELINES

		RN (COM	PONE			SOF	RIES LIST	-	
PART # 82X96	QTY. 1 96" XCEL		EPLAC	E		SCRIPTION				
 12MDD-EC	1 12in ANCH	IOR PLA	TE W/ I	DRAFT DIV	ERTER & ISO	WOOL		CORE, SOURCI	E LOCALLY)	
ISFXLB72(N/P) XL-VK(N/P)	1 200 kBTU	GAS VA	LVE CO	NTROL BO	X (N: NATUR	_ GAS/ P: PRO AL GAS/ P: PR IS OF THE F(OPAN	E)		
	X-VENT	ISO-ME	RIDIAN	1-350 FAN	(XV-MERD-3 (XV-350RC)	50)	JLLO	WING.)		
XV-MERDML	1 • X-VENTI • X-VENTI	SO-12" SO-MEF	PIPE A RIDIAN	DAPTER I DAMPER	ÈOR 350 FÁN ASSEMBLY	(XV-350ADP XV-MERD-DA	AMP)			
	TUBING ()	<v-mer< td=""><td>D-PRE</td><td>SSKIT)</td><td></td><td></td><td></td><td>TE, STACK PF</td><td>RESSURE PROB</td><td>E,</td></v-mer<>	D-PRE	SSKIT)				TE, STACK PF	RESSURE PROB	E,
	9 ISOKERN	#133: R	EQUIRE	ed for co	MBUSTIBLE F	-MERD-CTLR	ĹATIO			
	17 ASTM C90	16X8X8		<u> </u>			TIBLE	FLOOR INSTA	LLATION	
										V
WITH THE BURNER IN INCIDENTA 2. THIS FIREF INCLUDES 3. THIS APPL AND BURN 4. THE EXHAN PIPING WIT SUPPLIED 5. THE XCELU AS LISTED •UNIT FF •SIDES / •COMBU •SHEAT •HEART •HEART •HEART •HEART •HEART •HEART •HEART •HEART •INSULA 6. A REDUCE SIDEWALLS 7. THIS DESIG GAS-ONLY VERTICALL INFORMAT 8. ENSURE TY ACCORDA 9. ALL ACCES SPECIFICA 10. INSTALL COMBUSTI 11. IMPORT SHIELD INS 12. DRAWIN REPRODUC 13. EARTHO DAMAGES	RONT: 0" AND REAR: 1.5" JSTIBLE SHEATHIN HING OR TRIM TO L ABOVE OPENING NG TO SIDEWALLS H EXTENSION BEY H EXTENSION BEY JSTIBLE FLOOR: 5" LATION MANUAL, MES LINEAR XL B TION FROM FIREE D HEIGHT APPLIC, S (MAX REDUCTIO GN REQUIRES MEG OPERATION. VEI LY OR HORIZONTA ION REGARDING F WO 120VAC/ 15A C NCE WITH INSTALI SSORIES/ EQUIPMI	AR XL BU IS PROH IS PROH VIIAL DA SYSTEM RAFT AN RAFT AN SYSTEM RAFT AN SYSTEM RAFT AN SYSTEM RAFT AN FOR PR ARE TO I DIVERTE FOR PR ACES SH COND FR COND FR COND FR COND FR COND FR COND FR COND FR COND FR COND FR COND FR CONTINU URNER A CONTINU	JRNER S IIBITED MAGES (ISFXLE ID SAFE VITH TH TYPE PI BE VEN R. THIS OPER C HALL BE <u>(E OPEN</u> <u>G SIDES</u> <u>ONT:</u> 2 <u>DES (FIN</u> USE CO UOUS 1: AND VAI <u>SHIELDE</u> F THIS I VISI ARE I SARE PF MANUAL TALLED PE TO A S. IDIAN D IS NOT POSES USE IS VISION UT OF T	CE IS A TOP SYSTEM AS AND WILL A SOR EXPEN B72(N//)P) C TY SYSTEM IE TYPE OF RIOR TO IN ITED THROUS TWELVE II OPERATION TWELVE II OPERATION INSTALLE MING TOP: STWELVE II OPERATION STWELVE II OPERATION STWELVE II OPERATION STRICTOP: STREPLACE OWED): 12 OMBUSTIBLE -1/4" THICK LVE) ED): 3" FIREPLACE OWED). TILATION AS LIMITED TO DINSTALLA ROVIDED FO L. CONTRO OWED INSTALLA ROVIDED FO L. CONTRO OWED INSTALLA STRICTLY THEREOF STRICTLY THEREOF STRICTLY	SHOWN IN THABSOLVE EAR NSES ARISING OMES WITH A GAS INDICATH STALLATION. UGH THE TOP NCH (12") DIAN I D WITH THE M 8" 8" 8" 8" 8" 8" 8" 8" 8" 8" 8" 8" 8"	S ONLY FIREPL IS DRAWING (THCORE/ ISOK OUT OF THE L GAS CONTRO ED ON THE BUI OF THE UNIT V IETER, DOUBL INIMUM CLEAF ALLATION APP OOR WITH 2-1 ALLED BY OMI ^T ING THE X-VEI OF TWO 90° ELI FOR MAXIMUM E AND X-VENTI OCATED IN AC O BE INSTALLE CIFICATIONS. IRES 2" CLEAF ANCE INCREAS E PROPERTY O HELD LIABLE CES OR CHIMI	ISFXL (ERN C) JSE OF L VAL RNER VITH 1 E WAL RANCE CANCE SO-ME COESS TO ACC ENSU RANCE SO-ME COESS TO ACC ENSU RANCE SES TO DF EAL FOR A NEY S	B72N/P)). USAC DR ANY DIVISIC THIS FIREPLA VE ASSEMBLY (RATING PLATE 2" METAL-FAB L B-VENTING S ES TO COMBUS ONE COURSE ONE COURSE ONE COURSE -MERIDIAN FAR AND MAY TERI T LENGTHS ANI ERIDIAN CONTR SIBLE LOCATION CORDING TO M JRE MIN.1" CLEA E TO COMBUST O 18". RTHCORE INDU ANY INCIDENTA YSTEMS.	E OF ANY OTHER IN THEREOF FOR A CE. (XL-VK(N/P))THAT . VERIFY GAS SUF UL LISTED B-VENT SYSTEM IS NOT TIBLES ED IN XCELUX BURNER CAVITY, OF BACK AND N SYSTEM FOR MINATE EITHER D ADDITIONAL ROL PANEL IN N. ANUFACTURER'S ARANCE TO IBLES WITH HEAT ISTRIES. ANY L OR CONSEQUEN	ANY PPLY
		1								
		DIMEN	SIONS ARE	E STATED, ALL E IN INCHES	PROJECT:	96" XC	EL	UX SEF	RIES	
	1C 0 [7@®	UNSPEC TOLERA		THIRD ANGLE PROJECTION	DESCRIPTION: XVENTISO	AND XL-VK(N/	P) LA`	YOUT AND LOO	CATIONS	
INDUSTR	NES, L.L.C.	ANG. A LINX	± ±		E.C. PUMIC DRAWN:	DATE:	SIZE:	SCALE:	DRAWING #:	REV:
		.XX .XX			K.B.H APPROVED:	10/1/2024 DATE:	D	N.T.S.	82X96 Sheet # 4 OF	5



NONCOMBUSTIBLE FLOORS

XCELUX Fireplaces must be built upon a concrete support slab with no wood underpinnings. Proper reinforced concrete support slab for fireplace installations may include the following types: Slab on grade: standard residential, minimum four inch (4") thick, 2500 psi concrete foundation on

- properly compacted fill.
- Isokern unit. and the chimney.

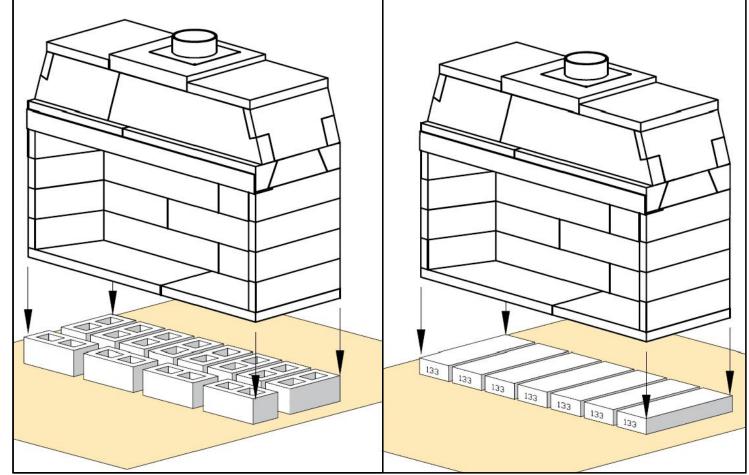
NOTE: For multi-floor and back-to-back installations proper weight computation on an individual basis is required. Consult a local structural engineer for load bearing requirements.

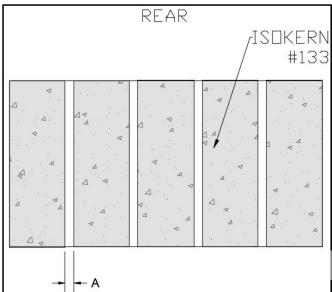
IMPORTANT: Foundations and footings must meet local code and be approved by the local building authority. For any foundation design and load requirements check with a local structural engineer. It is the responsibility of the General Contractor to ensure adequate foundations.

For a raised hearth (floor of the firebox elevated above the room's noncombustible floor), the XCELUX base plate can be set on a Isokern #133, CMU Block, or poured concrete platform that is built up to the desired raised hearth height on the concrete support slab. When calculating raised hearth height, be sure to allow for the three inch (3'') thick base plate plus the one and one- half inch (1-1/2'') thick fire brick floor in addition to the height of the concrete block platform. CMU used for base plate support should be rated ASTM 90.

COMBUSTIBLE FLOORS

For installation on combustible floor, 5" thick Isokern material (Part #133) or alternatively 8" CMU block may be used to create the required clearance to combustible between the firebox and combustible floor system. See Table 1 and 2 for block layout pattern and spacing.





FRIINT

TABLE 1 ISOKERN ISOKERN #133 SPACING MODEL QUANTITY (A) 1-1/2" 82X48 5 3-3/8" 82X60 6 82X72 7 3-3/8"

9

11

3″

2-3/4"

82X96

82X120

Recessed Application on Combustible Floor System

If the design preference is for a flush hearth installation of the XCELUX Fireplace (floor of the fireplace at the same level the room's floor), the Isokern #133 or 8" CMU block can be lowered to the recessed floor system with advanced planning. When calculating depth of recess required for a flush hearth, be sure to account for the assembled thickness of the Isokern 133 or 8" CMU block.

IMPORTANT: Whether a flush hearth is preferred or a raised hearth, the XCELUX Fireplace requires that the combustible floor in front of the fireplace must be covered with a noncombustible hearth extension set tight against the fireplace front and extend at least 20" out from the finished fireplace and at least 12" beyond the finished sides of the fireplace opening.

NOTE: Field verified dimensions should make allowance for hearth extensions in front (20") and sides (12" ea.) from the fireplace opening. Also, make sure fireplace sides and rear have minimum 1-1/2" clearance to combustibles.

IMPORTANT: The level of the finished firebrick hearth floor and noncombustible hearth extension shall not be recessed below the level of the finished floor.

Flooring System

Off-grade slab on foundation walls and footings: Projects with off-grade floor systems as well as upper-story installations require this type of support. When building off-grade support slabs the code required hearth extension substrate should be built as a continuation of the support slab for the fireplace unit. Supports for off-grade slabs must be concrete or steel and capable of supporting the slab,

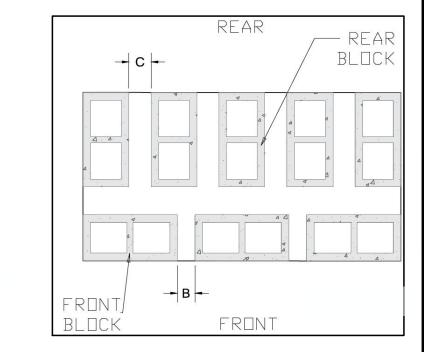
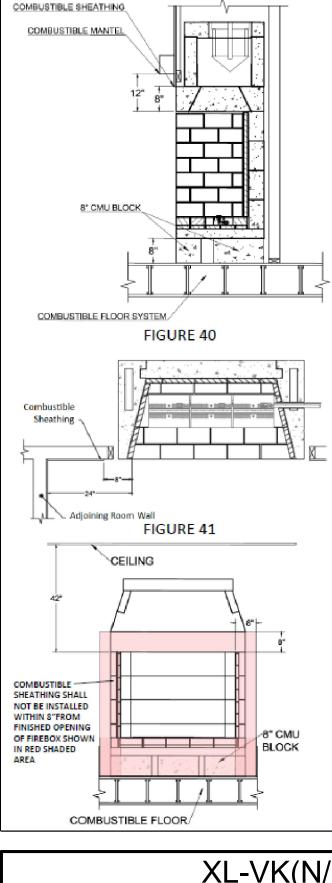


TABLE 2 CMU BLOCK CMU BLOCK FRONT REAR MODE QUANTITY SPACING (B) SPACING (C 82X48 3-3/4" 3″ 8 82X60 12 3-5/8" 1-3/4"

82X72	14	2″	2-1/8″	
82X96	17	3″	2-1/2"	
82X120	21	4"	2″	
			-	



Clearance to Combustible Trim

NOTE: "Clearance to Combustible Trim" are those distances required to ensure that a fireplace mantel 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 variables include paint or finish composition, previous exposure to heat, methods and guality of construction, air flow patterns, etc. Because of these variables, the manufacturer does not guarantee that heat warping, or discoloration will never occur.

MANTEL AND MANTEL SHELF CLEARANCES:

XCELUX units are designed to be installed so that the rough front face(s) of the Isokern firebox and smoke dome sit flush with the face of the rough framing members that create the room wall finish.

All combustible trim projecting less than one-and one-half inch (1-1/2") from this plane must be kept a minimum of eight inches (8") from the sides/top of the firebox openings.

All combustible trim projecting more than one and one-half inch (1-1/2") must be kept a minimum of twelve inches (12")from the fireplace opening.

Parts of the combustible mantel assembly located along the sides of the fireplace opening, which project more than oneand one-half inches (1-1/2'') from the face of the fireplace, shall have additional clearance equal to that of the projection.

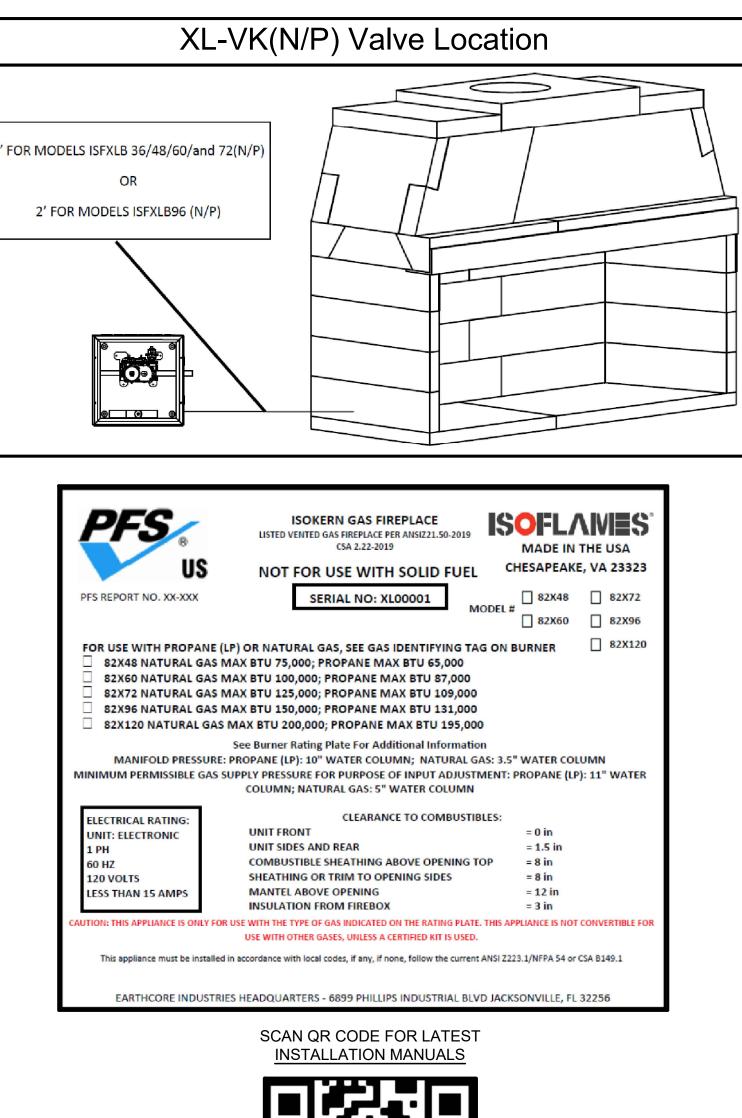
Parts of the combustible mantel assembly located above and projecting more than one- and one-half inches (1 - 1/2'') from the fireplace opening shall not be placed less than twelve inches (12") from the top of the fireplace opening

ADJOINING WALLS:

Side walls and walls to rooms adjoining the Isokern fireplace installation cannot be closer than twenty-four inches (24") to the finished fireplace opening.

CEILINGS:

The minimum clearance from the top of the fireplace opening to a ceiling is forty-two inches (42").



XCELUX Series (Gas Only) Specifications

MANUFACTURER:

ISOKERN Fireplace and Chimney Systems, North America distribution by Earthcore Industries, LLC, Jacksonville, Florida (Telephone 800-642-2920)

PRODUCT DESCRIPTION:

- Modular refractory masonry precast fireplace and chimney system
 - 1. Designed for field assembly as a fireplace and B-vent chimney system.
 - 2. All interlocking parts necessary for assembly of a complete firebox and smoke dome.
 - 3. Isoflames XL Linear Burner and XL Valve system (per installation manual)
 - 4. 12" B-vent chimney flue (per installation manual)
 - 5. Mechanical draft system (per installation manual) 6. Combustible floor installation requires model specific combustible floor installation application as detailed in XCELUX instruction manual

MATERIALS:

- A. Light weight concrete of a proprietary mixture of Icelandic volcanic aggregate and aluminum cement for precast firebox, chimney block and flue liner components.
- 1. Compressive Strength: Firebox Block: 972 psi. B. Premixed (dry) EARTHCORE ADHESIVE.
 - 1. Tensile strength: 807 psi; Compressive strength: 2460 psi.
 - 2. Tested per ASTM C109. ASTM C307. and ANSI 118.4.
- C. Standard 1-1/8" high temperature refractory brick to line firebox interior walls
- D. Standard 1-1/8" high temperature refractory brick to line firebox floor.
- E. Standard 2-1/2" high temperature refractory brick to create burner cavity on top of 1-1/8" thick firebrick floor.

INSTALLATION:

- A. Reference manufacturer's installation instructions for standard configurations, weights, sizes and installation details
- B. Suitable masonry foundation or structural wood floor system must be provided. Combustible floor installation requires combustible floor installation application as detailed in XCELUX instruction manual
- C. Non combustible hearth extensions must be provided.
- D. Unit to be assembled on site per manufacturer's illustrated instructions.
 - 1. Premixed EARTHCORE ADHESIVE is used at all joints between components.
 - 2. Firebox to be lined with a minimum 1-1/8" rated firebrick on the walls and floor. An additional 2-1/2"
 - rated firebrick trough is created on top of firebrick floor for Isoflames XL Linear Burner installation. 3. A 1-1/2" minimum clearance to combustible materials is required for firebox side and back-walls.
 - 4. A 3" minimum clearance to insulation required.
- E. Shall be installed only with the approved Isoflames XL Linear Burner and XL Valve System as detailed in the instruction manual.
- F. Installation must use 12" B-vent pipe as detailed in the instruction manual (Anchor Plate with Down-Draft Diverter required).
- G. Only approved mechanical draft systems shall be utilized, as detailed in the instruction manual.

CERTIFICATION:

- A. PFS Corporation, PFS Report No. F24-349
- B. Meets or exceeds ANSI Z 21.50-2019, CSA 2.22-2014

NOTE: Isokern components are a natural material and slight variations in dimensions may occur. These should be no more than 1/8"

Weights and Load Calculations

Floor framing for XCELUX installation will need to be designed and built to accept substantial dead loads spread over a relatively small floor area. The following weights and sizes can be used to calculate loading. It is the contractor's responsibility to provide adequate floor system load capacity.

WEIGHTS AND LOAD CALCULATIONS Total dead load amounts include (but are not necessarily limited to) the following items and their corresponding weight estimates as listed below:

- 1. Isokern unit weights:
- a) XCELUX— 48: 1,645 lbs. (no burner, flue, or accessories)
- b) XCELUX— 60: 2,115 lbs. (includes steel angle, but no burner, flue, or accessories)
- c) XCELUX—72: 2,420 lbs. (includes steel angle; but no burner, flue, or accessories)
- d) XCELUX— 96: 3,000 lbs. (includes steel angle; but no burner, flue, or accessories)
- e) XCELUX— 120: 3,550 lbs. (includes steel angle; but no burner, flue, or accessories)
- 2. Approximate weight of glass media: 100 lbs.
- 3. Fire brick and Adhesive: 350 lbs.- 2000 lbs. depending on brick size and pattern
- 4. Facing material: per general contractor 5. B-Vent metal flue: per manufacturer and installation requirements

NOTE: Raised hearth applications with Isokern Support Blocks or CMU Blocks increases dead load weight

The floor area for each model is as follows:

- a. XCELUX 48: @ 53" x 28" = 10.3 sq. ft.
- b. XCELUX 60: @ 73 x 1/2" x 28" = 14.3 sq. ft.
- c. XCELUX 72: @ 85 x 3/4" x 28" = 16.67 sq. ft. d. XCELUX – 96: @ 108 x 1/4" x 28" = 21.04 sq. ft.
- e. XCELUX 120: @ 131 x 3/4" x 28" = 25.62 sq. ft.

Earthcore is not responsible for structural floor support details for this fireplace system. Unless otherwise noted all floor framing drawings in this manual are merely illustrations to indicate the presence of an underlying floor system. Consult your local structural engineer for proper floor system design, sizing, and specifications.

	UNLESS OTHERWIS DIMENSIONS AR	E IN INCHES	96" XCELUX SERIES					
Carthcore"	UNSPECIFIED TOLERANCES	THIRD ANGLE PROJECTION	GENERAL INFORMATION AND SPECIFICATIONS					
	ANG. A ±		MATERIAL:					
	LIN. <u>X ±</u>		DRAWN:DATE:SIZE:SCALE:DRAWING #:K.B.H10/1/2024Image: N.T.S82X96	REV:				
	.XX ±)	APPROVED: DATE: D IN.I.S 02A90	5				