



XD 9004A
SHHE
01/02/2020

Simple. Smart.



XLT Gas Oven & XLT Hood Installation & Operation Manual



Read This Manual Before Using This Appliance.

Current versions of this manual, Technical/Rough-In Specifications, Parts & Service Manual, Fire Suppression Installation, Architectural Drawings, & a list of International Authorized Distributors are available at: www.xltovens.com

For use with the following XLT Gas Oven Versions:
Standard (S) H

For use with the following XLT Gas Hood Versions:
Standard (S) E



Original Instructions

XLT Ovens
PO Box 9090
Wichita, Kansas 67277
US: 888-443-2751 FAX: 316-943-2769 INTL: 316-943-2751 WEB: www.xltovens.com

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Definitions & Symbols

A safety instruction (message) includes a “Safety Alert Symbol” & a signal word or phrase such as **DANGER**, **WARNING** or **CAUTION**. Each signal word has the following meaning:



DANGER

Indicates a potentially hazardous situation that, if not avoided, will result in serious injury or death.



**HIGH
VOLTAGE**

Indicates a high voltage. It calls your attention to items or operations that could be dangerous to you & other persons operating this equipment. Read the message & follow the instructions carefully.



WARNING

Indicates a potentially hazardous situation, that if not avoided, can result in cuts or being crushed. It calls your attention to items or operations that could be dangerous to you & other persons operating this equipment.



CAUTION

Indicates a potentially hazardous situation, that if not avoided, may result in minor to moderate injury or serious damage to the product. The situation described in the CAUTION may, if not avoided, lead to serious results. Important safety measures are described in CAUTION (as well as WARNING), so be sure to observe them.



NOTE

Notes indicates an area or subject of special merit, emphasizing either the product’s capability or common errors in operation or maintenance.



TIP

Tips give a special instruction that can save time or provide other benefits while installing or using the product. The tip calls attention to an idea that may not be obvious to first-time users of the product.

Revision History Table		
Revision	Comments	Date
A	New Release	01/02/2020

**SAFETY DEPENDS ON YOU****CAUTION**

This appliance is for professional use by qualified personnel. This appliance must be installed by qualified persons in accordance with the regulations in force. This appliance must be installed with sufficient ventilation to prevent the occurrence of unacceptable concentrations of substances harmful to health in the room in which it is installed. This appliance needs an unobstructed flow of fresh air for satisfactory operation & must be installed in a suitably ventilated room in accordance with current regulations. This appliance should be serviced by qualified personnel at least every twelve (12) months or sooner if heavy use is expected.

**DANGER**

Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury, or death. Read the installation, operating and maintenance instructions thoroughly before installing, using, or servicing this equipment.

**DANGER**

Installation and repairs of all electrical appliances & ventilation exhaust hoods should only be performed by a qualified professional who has read & understands these instructions & is familiar with proper safety precautions. Read this manual thoroughly before installing or servicing this equipment.

**DANGER****FOR YOUR SAFETY**

Do not store or use gasoline or other flammable liquids or vapors in the vicinity of this or any other appliance.

- Post in a prominent location instructions to be followed in the event you smell gas. This information can be obtained by consulting your local gas supplier.
- In the event a gas odor is detected, shut off the gas at the main shutoff valve immediately. Contact your local Gas Company or supplier.
- Do not restrict the flow of combustion and/or ventilation air to the unit. Provide adequate clearance for operating, cleaning, and maintaining the unit & adequate clearance for operating the gas shutoff valve when the unit is in the installed position.
- Keep the area free & clear of combustible material. **DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION.**
- Ovens are certified for installation on combustible floors.
- Electrical schematics are located inside the control box of the oven, in this manual, and online at www.xltovens.com. Disconnect input power to the unit before performing any maintenance.
- This unit requires a ventilation hood that must conform to local codes.
- This unit may be operated with either natural gas or liquid petroleum fuel as designated on the nameplate label located on the side of the unit.
- This unit must be operated by the same voltage, phase, & frequency of electrical power as designated on the nameplate label located on the side of the unit.
- Minimum clearances must be maintained from combustible & non-combustible construction materials.
- Follow all local codes when installing this unit.
- Follow all local codes to electrically ground the unit.
- Appliance is not to be cleaned with high pressure water.
- XLT ovens are certified for use in stacks of up to four (4) units of XLT products. Integration of other manufacturer's products into an oven stack is not recommended, & voids any warranties. XLT assumes no liability for mixed product applications.
- Failure to call XLT Customer Service at 1-888-443-2751 prior to contacting a repair company voids any & all warranties.
- PLEASE RETAIN THIS MANUAL FOR FUTURE REFERENCE.

XLT has spent millions of dollars designing and testing our products as well as developing Installation & Operation Manuals. These manuals are the most complete and easiest to understand in the industry. However, they are worthless if they are not followed.

We have witnessed store operators and building owners lose many thousands of dollars in lost revenue due to incorrect installations. We highly recommend you follow all instructions given in this manual as well as follow best practices in plumbing, electrical, and HVAC building codes.



Warranty - US and Canada

Rev J

Approval Date: 10/16/2019

XLT warrants Version H ovens manufactured after October 16, 2019 to be free from any defect in material and workmanship under normal use for seven (7) years from the date of original purchase by the end user, and further warrants main fan blades, conveyor shafts, and conveyor bearings for ten (10) years. XLT further warrants all ovens/hoods to be free from rust for ten (10) years from the date the equipment is originally purchased. XLT warrants Version E hoods manufactured after October 16, 2019 to be free from any defect in material and workmanship under normal use for seven (7) years from the date of original purchase by the end user purchaser. If the purchase includes a pre-piped Ansul system on both the ovens and hood, the warranty will be increased to ten (10) years on both pieces of equipment. In the event of a part failure, XLT will furnish a replacement part and pay for all labor associated with the replacement of the part. If upon inspection XLT determines that the part is not defective, all incurred costs will be the responsibility of the end user purchaser. This warranty is extended to the original end user purchaser and is not transferable without prior written consent of XLT. Damages are limited to the original purchase price.

DUTIES OF THE OWNER:

- The owner must inspect the equipment and crates at time of receipt. Damage during shipment is to be immediately reported to the carrier, XLT, and documented on the Bill of Lading
- The equipment must be installed and operated in accordance with the Installation and Operation Manual furnished with the unit
- This warranty shall not excuse the owner from properly maintaining the equipment in accordance with the Installation and Operation Manual furnished with the unit
- A copy of the "Initial Start-Up Checklist" must be filled out and returned to XLT when the unit is initially installed, and/or when the unit is removed and installed in another location
- The gas, electric, and HVAC utilities must be connected to the oven and installed by locally licensed contractors
- Failure to contact XLT prior to contacting a repair company for warranty work voids any and all warranties

WHAT IS NOT COVERED:

- Freight damage
- Overtime charges
- Any part that becomes defective because of utility services (power surges, high or low voltages, high or low gas pressure or volume, contaminated fuel, or improper utility connections)
- Any part that becomes defective because of moisture and/or other contaminants
- Conveyor belts
- Filters
- Exhaust Fans
- Light Bulbs
- Painted or Powder Coated surfaces
- Normal maintenance or adjustments
- This warranty shall not apply if the equipment or any part is damaged as a result of accident, casualty, alteration, misuse, abuse, improper cleaning, improper installation, improper operation, natural disasters, or man-made disasters

CLAIMS HANDLED AS FOLLOWS:

- Should any such defect be discovered, XLT must be notified. Upon notification, XLT will arrange for necessary repairs to be made by an authorized service agent. Denial of services upon the arrival of an authorized service agent will release XLT of any and all warranty obligations.



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Responsibility	Service Company	Owner/ Contractor
Site Survey: Verify electric and gas meter/regulator sizes	X	
Supply wiring from TS1 #R3, R4, R5 to exhaust fan		X
Supply (1) single phase 230 volt 10 amp circuit from breaker panel to XLT Hood		X
Assembly of new hood per XLT Installation & Operation Manual		X
Suspend XLT Hood from ceiling		X
Install new exhaust fan on roof		X
Supply power to XLT Hood		X
Install Duct Cover or Valance above XLT Hood		X
Assembly of new ovens per XLT Installation & Operation Manual	X	
Base assembled and set in place	X	
Ovens moved and stacked with proper lifting equipment	X	
Peel all PVC	X	
Assemble shrouds & brackets to XLT Oven/Hood	X	
Connecting fuel to XLT products	X	X
Install piping and drip legs		X
Weld ducting to XLT Hood		X
Check for leaks		X
Install flexible gas hoses	X	
Connect electrical supply	X	
Connection may require Permit and Code Inspections		X
Relocate Make-Up-Air to enter the room at the ends of the ovens		X
Start-up per XLT Installation & Operation Manual:	X	
Gas pressure/leak testing, hood/oven functions, adjust as necessary	X	
Start-Up Checklist must be submitted to XLT to validate Warranty		X

**NOTE**

If XLT employees are completing the installation process, they will be considered a Service Company in regards to the above table.

NOTIFY CARRIER OF DAMAGE AT ONCE

Upon receiving of all goods shipped by a Common Carrier, check for any exterior damage that may indicate interior damage. If conditions permit, open all crates & do a full inspection for any damage while the delivery driver is still there. If there is damage, please note on the delivery receipt & call the carrier to make a freight damage claim within 24 hours of receipt. Failure to make a damage claim within the first 24 hours may void the opportunity to have the claim resolved.

XLT wants you to be totally satisfied with every aspect of owning & using your oven & hood. Your feedback, both positive & negative, is very important to us as it helps us understand how to improve our products & our company. Our goal is to provide you with equipment that we are proud to build & you will be proud to own.

To receive technical support for the oven or hood you purchased, XLT has qualified customer service personnel that can provide assistance on any type of XLT equipment problem you may experience. Customer Service is available 24/7/365 at 888-443-2751 or visit www.xltovens.com.



DANGER

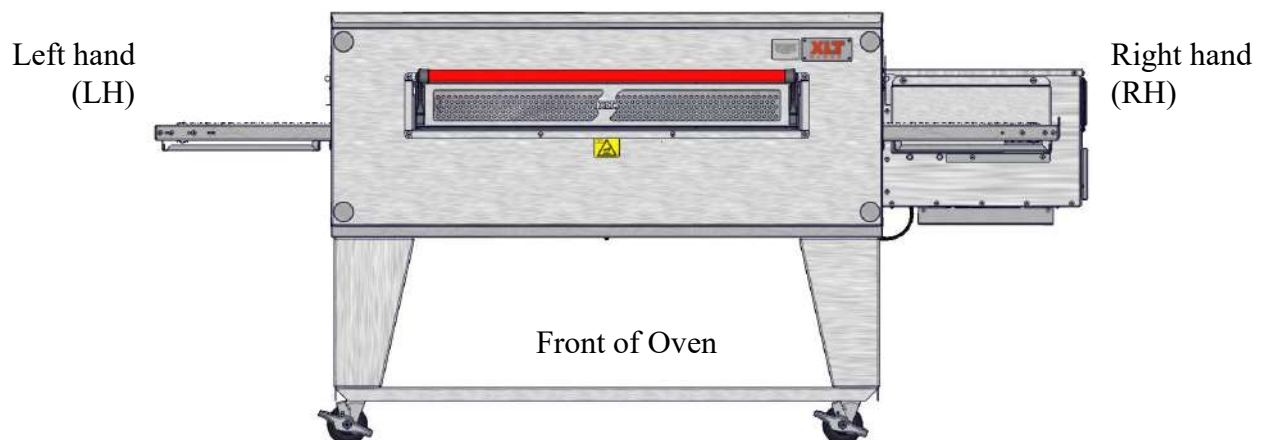
Installation of all gas appliances & ventilation exhaust hoods should only be performed by a qualified professional who has read & understands these instructions & is familiar with proper safety precautions. Read this manual thoroughly before installing or servicing this equipment.

Save this Manual

This document is the property of the owner of this equipment.

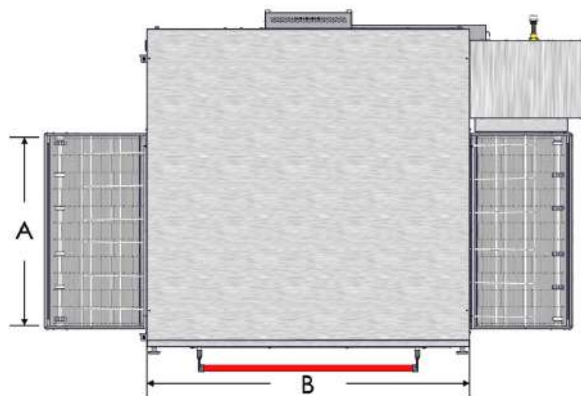
XLT Ovens reserves the right to make changes in design & specifications, and/or make additions to or improvements to its product without imposing any obligations upon itself to install them in products previously manufactured.

All Right Hand & Left Hand designations in this manual are from the point of view as seen below.



This manual covers the following XLT Oven & Hood models:

Ovens		Hoods
Standard	HP	
		H3E-1832-xxxxx
		H3E-2440-xxxxx
X3G-3240-xxxxx	X3G-3240-xxxxx-HP	H3E-3240-xxxxx
X3G-3255-xxxxx	X3G-3255-xxxxx-HP	H3E-3255-xxxxx
X3G-4455-1B-xxxxx	X3G-4455-1B-xxxxx-HP	
		H3E-3855-xxxxx
X3G-3270-1B-xxxxx	X3G-3270-1B-xxxxx-HP	H3E-3270-xxxxx
		H3E-3870-xxxxx



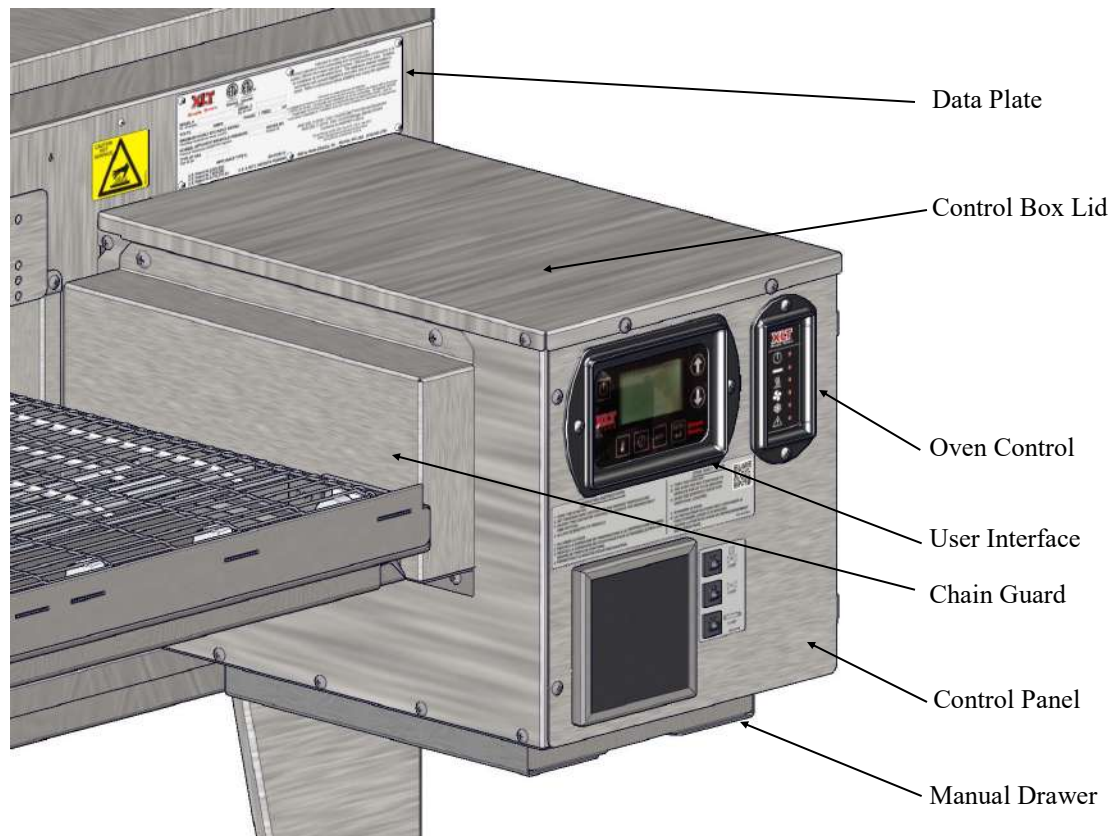
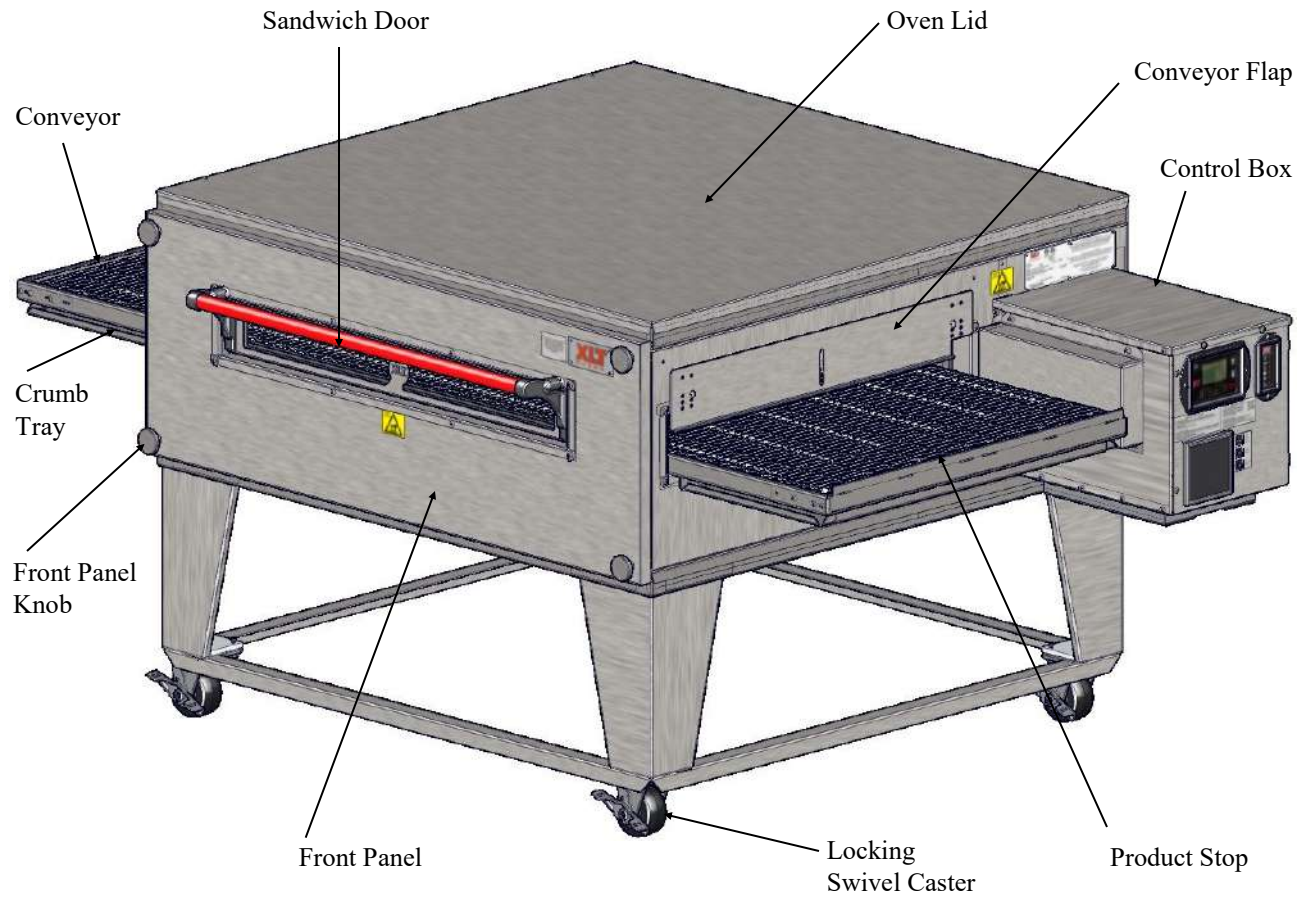
The first two (2) digits of the model number after the dash represent the conveyor width and the last two digits indicate the bake chamber length. For example, the X3H-3255-xxxx models would have a bake chamber with the width (A in image above) of 32 inches and the length (B in the image above) of 55 inches. The five (5) x's after those numbers represents the oven and hood configuration number. The HP after the five (5) x's represents the faster baking high performance ovens. All models have only a single burner with a single control box that can be supplied on either end. The ovens may be used in a single, double, triple or quad oven stack configuration. All ovens are gas-fired & are available in Natural gas or Liquid Petroleum gas models (Electric ovens are also available in a variety of sizes). All models can be configured for a split belt conveyor.

OVEN DESCRIPTION

Food product is placed on the stainless steel wire conveyor belt on one side of the oven. The conveyor then transports the food through the bake chamber at a user-controlled speed. This provides repeatable and uniform food cooking. The conveyors can be easily configured to move either left-to-right or right-to-left with a simple programming change. A large optional center sandwich door allows the introduction of food items for cooking at shorter times. Precise temperatures are user adjustable and maintained by a digital control.

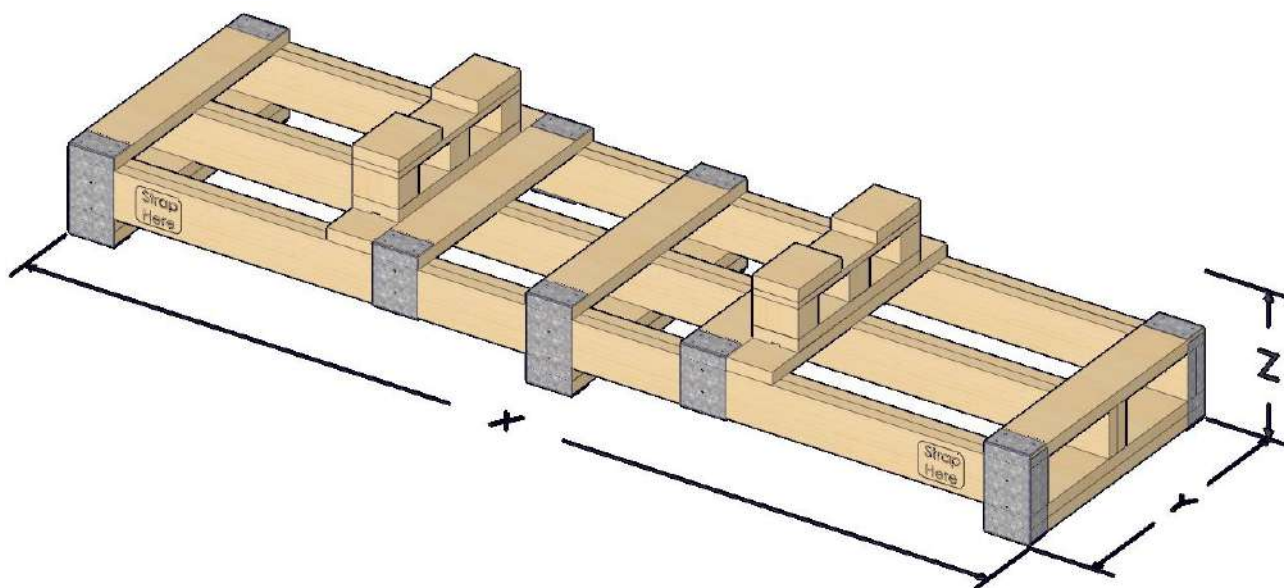
An easily removable front panel allows the full cleaning of the oven interior. All exposed oven surfaces both exterior and interior are stainless steel. The conveyor is a one piece design and is removed from the side which has the control box. No tools are required for disassembly and cleaning of the conveyor or oven interior. The oven itself is mounted on lockable swivel casters for easy moving and maintenance.

Accessories such as conveyor shelves, base shelves, extended fronts, fire suppression components, and perforated crumb trays are available from XLT. In addition, moving equipment such as carts and lifting jacks are available to help install and move ovens. Please contact XLT or your Authorized Distributor for more information.



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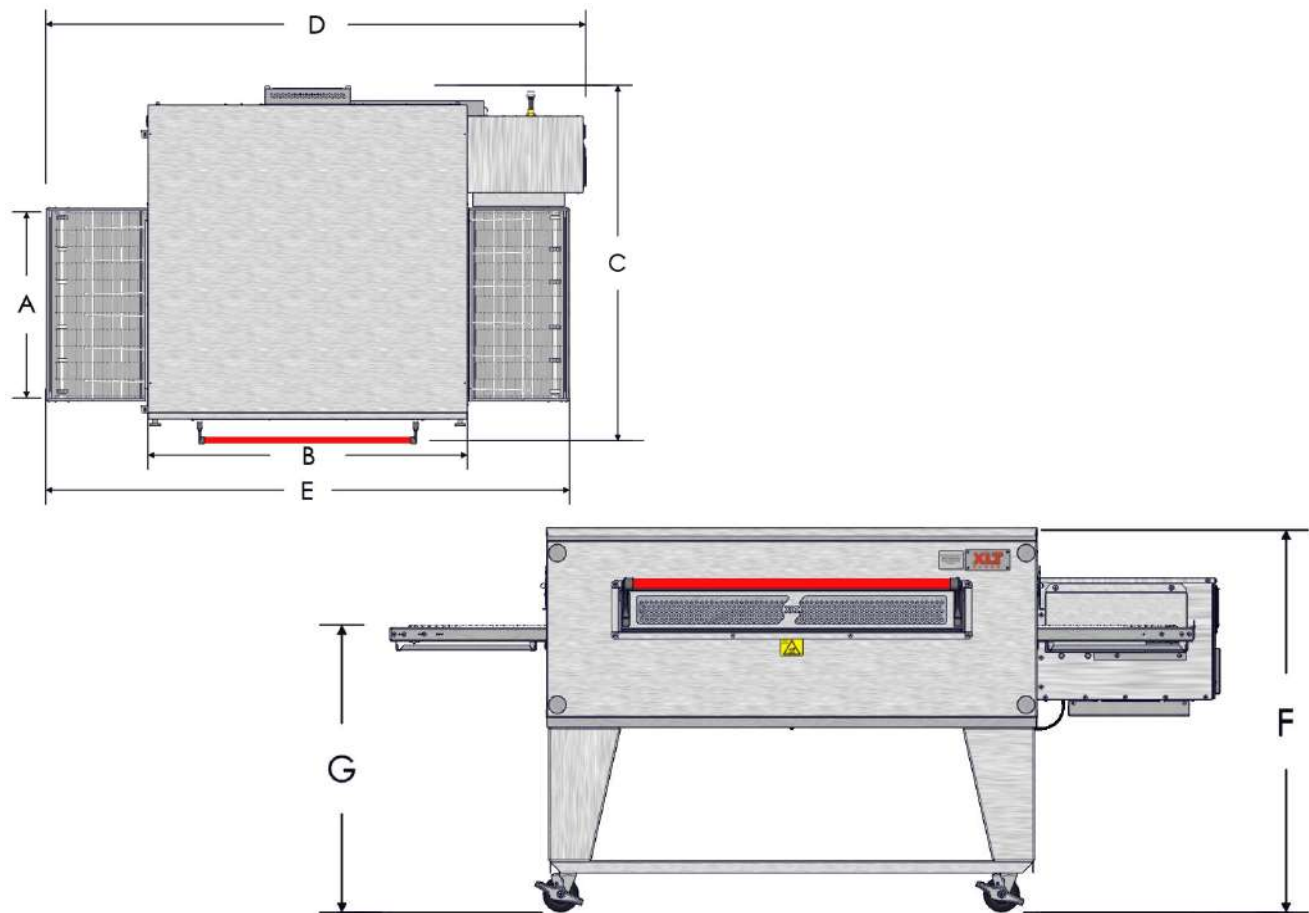
DOMESTIC WOOD CRATES



Domestic Wood Crate Dimensions				
Oven Model	Gas Oven			
	X	Y	Z	Z (With Oven)
3240	85 3/4 [2178]	31 3/4 [806]	17 1/4 [438]	73 3/4 [1873]
3255	115 3/4 [2940]	31 3/4 [806]	17 1/4 [438]	73 3/4 [1873]
4455-1B	115 3/4 [2940]	31 3/4 [806]	17 1/4 [438]	84 3/4 [2153]
3270-1B	115 3/4 [2940]	31 3/4 [806]	17 1/4 [438]	73 3/4 [1873]

NOTE: All dimensions in inches [millimeters], $\pm 1/4$ [6], unless otherwise noted.
All weights in pounds [kilograms] unless otherwise noted.

SINGLE STACK

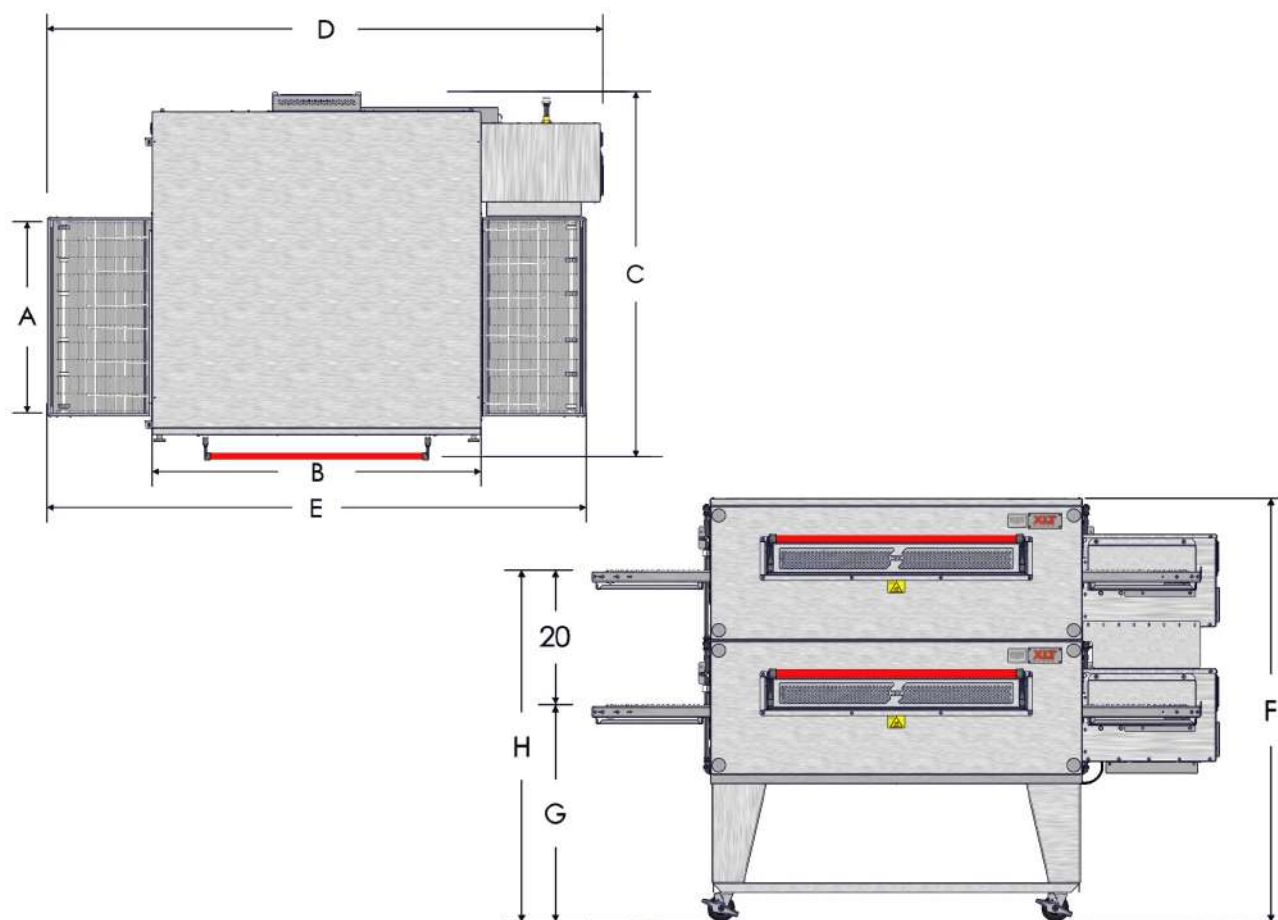


SINGLE OVEN	A	B	C	D	E	F	G	H	J	K	OVEN WEIGHT
3240	32 [813]	40 [1016]	61 5/6 [1570]	78 2/9 [1987]	75 1/4 [1911]	43 [1092]	32 [813]	N/A	N/A	N/A	607 [275]
3255	32 [813]	55 [1397]	61 1/2 [1562]	93 [2362]	90 1/4 [2292]	43 [1092]	32 [813]	N/A	N/A	N/A	712 [323]
4455-1B	44 [1118]	55 [1397]	73 1/2 [1867]	93 [2362]	90 1/4 [2292]	43 [1092]	32 [813]	N/A	N/A	N/A	817 [371]
3270-1B	32 [813]	70 [1778]	61 1/2 [1562]	108 [2743]	108 1/4 [2750]	43 [1092]	32 [813]	N/A	N/A	N/A	820 [372]

SINGLE OVEN	CRATED WEIGHTS	
	DOMESTIC	
3240	722	[328]
3255	858	[389]
4455-1B	963	[437]
3270-1B	966	[438]

NOTE: All dimensions in inches [millimeters], $\pm 1/4$ [6], unless otherwise noted.
All weights in pounds [kilograms] unless otherwise noted.

DOUBLE STACK

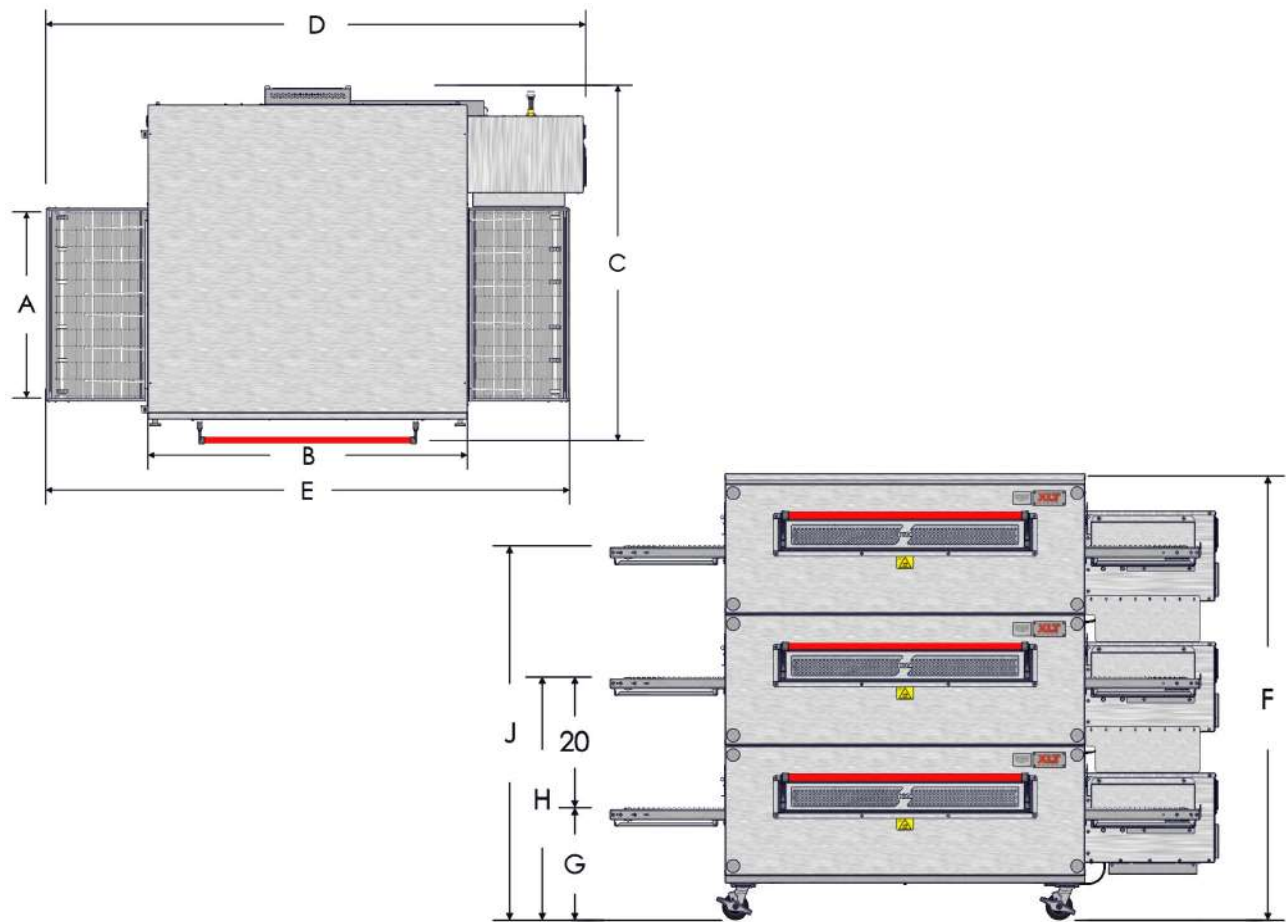


DOUBLE STACK	A	B	C	D	E	F	G	H	J	K	OVEN WEIGHT
3240	32 [813]	40 [1016]	61 1/2 [1562]	78 1/4 [1988]	75 1/4 [1911]	62 3/4 [1594]	32 [813]	52 [1321]	N/A	N/A	1082 [491]
3255	32 [813]	55 [1397]	61 1/2 [1562]	93 [2362]	90 1/4 [2292]	62 3/4 [1594]	32 [813]	52 [1321]	N/A	N/A	1276 [579]
4455-1B	44 [1118]	55 [1397]	73 1/2 [1867]	93 [2362]	90 1/4 [2292]	62 3/4 [1594]	44 [1118]	52 [1321]	N/A	N/A	1440 [653]
3270-1B	32 [813]	70 [1778]	61 1/2 [1562]	108 [2743]	108 1/4 [2750]	62 3/4 [1594]	32 [813]	52 [1321]	N/A	N/A	1451 [658]

DOUBLE OVEN	CRATED WEIGHTS
	DOMESTIC
3240	1312 [595]
3255	1567 [711]
4455-1B	1731 [785]
3270-1B	1742 [790]

NOTE: All dimensions in inches [millimeters], ± 1/4 [6], unless otherwise noted.
All weights in pounds [kilograms] unless otherwise noted.

TRIPLE STACK

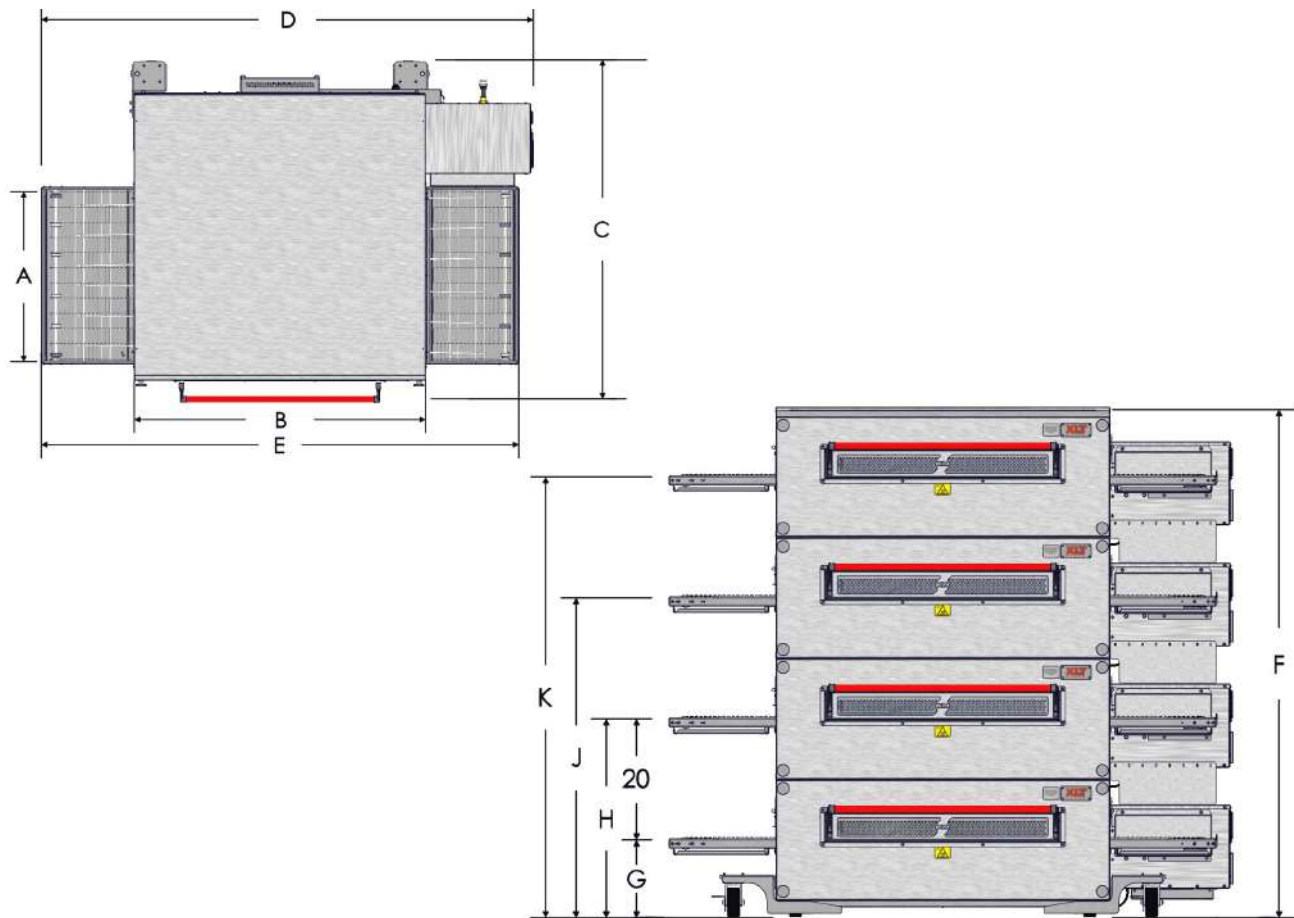


TRIPLE STACK	A	B	C	D	E	F	G	H	J	K	OVEN WEIGHT
3240	32 [813]	40 [1016]	61 1/2 [1562]	78 1/4 [1988]	75 1/4 [1911]	68 [1727]	17 [432]	37 [940]	57 [1448]	N/A	1521 [690]
3255	32 [813]	55 [1397]	61 1/2 [1562]	93 [2362]	90 1/4 [2292]	68 [1727]	17 [433]	37 [941]	57 [1448]	N/A	1795 [814]
4455-1B	44 [1118]	55 [1397]	73 1/2 [1867]	93 [2362]	90 1/4 [2292]	68 [1727]	17 [432]	37 [940]	57 [1448]	N/A	2041 [926]
3270-1B	32 [813]	70 [1778]	61 1/2 [1562]	108 [2743]	108 1/4 [2750]	68 [1727]	17 [433]	37 [941]	57 [1448]	N/A	2042 [926]

TRIPLE OVEN	CRATED WEIGHTS
	DOMESTIC
3240	1867 [847]
3255	2232 [1012]
4455-1B	2478 [1124]
3270-1B	2479 [1125]

NOTE: All dimensions in inches [millimeters], $\pm 1/4$ [6], unless otherwise noted.
All weights in pounds [kilograms] unless otherwise noted.

QUAD STACK



QUAD OVEN	A	B	C	D	E	F	G	H	J	K	OVEN WEIGHT
3240	32 [813]	40 [1016]	61 1/2 [1562]	78 1/4 [1988]	75 1/4 [1911]	12 3/4 [324]	33 [832]	53 [1340]	73 [1848]	84 [2134]	2197 [997]
3255	32 [813]	55 [1397]	61 1/2 [1562]	93 [2362]	90 1/4 [2292]	12 3/4 [324]	33 [832]	53 [1340]	73 [1848]	84 [2134]	2574 [1168]
4455	44 [1118]	55 [1397]	73 1/2 [1867]	93 [2362]	90 1/4 [2292]	12 3/4 [324]	33 [832]	53 [1340]	73 [1848]	84 [2134]	2875 [1304]
3270-1B	32 [813]	70 [1778]	61 1/2 [1562]	108 [2743]	108 1/4 [2750]	12 3/4 [324]	33 [832]	53 [1340]	73 [1848]	84 [2134]	2921 [1325]

QUAD OVEN	CRATED WEIGHTS
	DOMESTIC
3240	2658 [1206]
3255	3157 [1432]
4455-1B	3458 [1568]
3270-1B	3504 [1589]

NOTE: All dimensions in inches [millimeters], ± 1/4 [6], unless otherwise noted.
All weights in pounds [kilograms] unless otherwise noted.

All values shown on this page are per each oven

Standard (120V/60Hz) - Gas Oven Heating Values & Orifice Sizes					
Oven Model	Heating Values	Orifice Sizes			
	All Fuels	NAT		LP	
	BTU/HR	Inches	MM	Inches	MM
3240	95,000	0.170	4.32	0.104	2.64
3240-HP	125,000	0.196	4.47	0.125	3.18
3255	110,000	0.187	4.75	0.120	3.05
3255-HP	140,000	0.209	5.31	0.130	3.30
4455-1B	140,000	0.209	5.31	0.130	3.30
4455-1B-HP	170,000	0.234	5.94	0.140	3.56
3270-1B	120,000	0.196	4.47	0.125	2.82
3270-1B-HP	150,000	0.218	4.98	0.134	3.18

→ The HP behind Oven Model stands for High Performance.

NOTE

→ The BTU readings listed are maximums that could be reached while climbing to the set point temperature. Once set point is reached the BTU/HR will lower. Readings will vary as oven capacity changes during operation.

NOTE

Gas Oven Fuel Pressure Requirements												
Oven Models	Inlet Pressure Range						Manifold Pressure					
	Natural Gas			LP Gas			Natural Gas			LP Gas		
	W/C	mbar	kPa	W/C	mbar	kPa	W/C	mbar	kPa	W/C	mbar	kPa
All	6-14	15-35	1.50-3.50	11.5-14	27.5-35	2.75-3.50	3.5	8.75	0.875	10	25	2.5

Gas Oven Bypass Orifice Sizes	
Gas Types	Orifice Sizes (in.)
Natural	0.074
Propane	0.046

Oven Gas Group									
Gas Group	Natural Gas					Propane Gas			
	I _{2H}	I _{2E}	I _{2E+}	I _{2L}	I _{2ELL}	I ₃₊	I _{3B/P} (30)	I _{3P} (30/37/50)	I _{3B} (37)
Inlet pressure (mbar)	20	20	20/25	25	20/25	28/30/37/50	28-30/37/50	30/37/50	37
Number of injectors	(1) per burner								
Main burner opening size	Fixed								
Ignition	Electric Direct Spark Igniter								
Inlet connection	BSP 3/4" male thread (Both Domestic & World)								

Gas Matrix by Country									
Country	Symbol	Natural Gas (8.75 mbar manifold)					LP Gas (25 mbar manifold)		
		I _{2H}	I _{2L}	I _{2E}	I _{2ELL}	I _{2E+}	I _{3B/P}	I ₃₊	I _{3P}
Austria	AT	X					X		
Belgium	BE					X		X	
Bulgaria	BG	X					X		
Croatia	HR	X					X		X
Cyprus	CY						X	X	X
Czech Republic	CZ	X					X	X	X
Denmark	DK	X					X		
Estonia	EE	X					X	X	
Finland	FI	X					X		X
France	FR					X	X	X	X
Germany	DE			X	X		X		X
Greece	GR	X						X	X
Hungary	HU	X	X				X		X
Iceland	IS	X							
Ireland	IE	X						X	X
Italy	IT	X						X	
Latvia	LT	X					X	X	
Lithuania	LV	X					X	X	
Luxembourg	LU			X			X	X	X
Malta	MT						X		X
Netherlands	NL		X	X			X		X
Norway	NO	X					X		
Poland	PL			X			X		X
Portugal	PT	X						X	X
Romania	RO	X						X	
Slovakia	SK	X					X	X	X
Slovenia	SI	X					X		X
Spain	ES	X						X	X
Sweden	SE	X					X		
Switzerland	CH	X					X	X	X
Turkey	TR	X					X		X
United Kingdom	GB	X						X	X

Gas Supply Requirements for All Ovens



All installations must conform to local building & mechanical codes.

NOTE

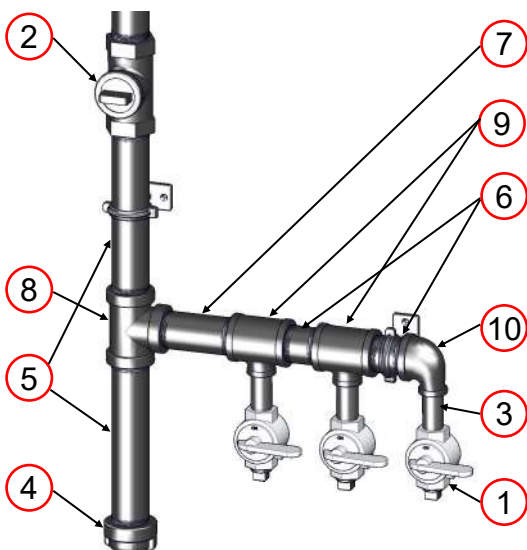
1. The gas supply shall have a gas meter and regulator large enough to handle **ALL** of the gas appliances, such as the furnace, water heater, & ovens in operation at the same time. Add up all of the Btu/kw/MJ ratings to determine the total load.
2. The gas supply shall have a separate gas meter and gas pressure regulator for each occupant. Installations in multiple occupancy buildings, (strip malls) shall not share gas meters and regulators with other occupants.
3. Gas hose assemblies with quick disconnects for each oven deck will be installed at each valve.
4. A sediment trap shall be installed downstream of the equipment shutoff valve as close to the inlet of the appliance as practical at the time of appliance installation. The sediment trap shall be a tee fitting with a capped nipple in the bottom outlet as illustrated (Pg. #20), and in accordance with ANSI Z223.1-2012 and NFPA 54-2012 National Fuel Gas Code, section 9.6.7.
5. A sediment trap shall be installed on the rear of the oven control box before the gas hose. The sediment trap shall be a tee fitting with a capped nipple in the bottom outlet as illustrated (Pg. #20), and in accordance with ANSI Z223.1-2012 and NFPA 54-2012 National Fuel Gas Code, section 9.6.7.
6. The composition of gases varies greatly from time to time and from place to place. For this reason, the material used for the gas lines shall be steel or malleable iron, not copper. ANSI Z83.11-2016 CSA 1.8-2016 Gas Food Service Equipment states: "Copper tubing or semi rigid tubing with internal copper layering, whether internally tinned or not, shall not be used for conveying gases." ANSI Z223.1 NFPA 54 National Fuel Gas Code states: "Copper and brass tubing shall not be used if the gas contains more than an average of 0.3 grains of hydrogen sulfide per 100 scf of gas (0,7 mg/100L)."



CAUTION

Do not use Teflon tape on gas line connections as this can cause gas valve malfunction or plugging of orifices from shreds of tape.

- A minimum of a 1 1/2" supply line is required.



Item#	Description	QTY
1	3/4 Manual Gas Valve	3
2	1-1/2 Ball Valve	1
3	3/4 x 3 Nipple	3
4	1-1/2 Pipe Cap	1
5	1-1/2 x 10 Nipple	2
6	1-1/2 x 3 Nipple	2
7	1-1/2 x 5 Nipple	1
8	1-1/2 Tee	1
9	2-1/2x 3/4 x 1-1/2 Reducing Tee	2
10	1-1/2 x 3/4 Reducing Elbow	1

Gas Supply Testing Requirements

1. The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 3.5 kPa or 1/2-psi.
2. The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 3.45 kPa or 1/2-psi.

Gas Hose Requirements

- For Standard Ovens, if installing with a flexible gas hose, the installation must comply with either ANSI Z21.69 or CAN/CGA-6.16 & a disconnect device complying with either ANSI Z21.41 or CAN-6.9.
- The installation must conform with local building codes, or in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1, latest version, Natural Gas Installation Code, CAN/CGA-B149.1, or the Liquid Petroleum Gas Installation Code, CAN/CGA-B149.2, as applicable.

All values shown this page are per each oven

Gas Oven Electrical Requirements			
Per EACH Oven			
Oven Model	Standard		
	Volts AC	Amps	Hertz
3240	120 VAC 1Φ	4.8	50/60
3255			
4455-1B			
3270-1B			
*All HP Models Included			

FOR EACH OVEN:

- A separate 20A circuit breaker must be provided for each oven deck.
- Electrical connections must be accessible when the ovens are in the installed position.
- Electrical connections must meet all local code requirements.

Electrical Grounding Instructions

Standard Ovens

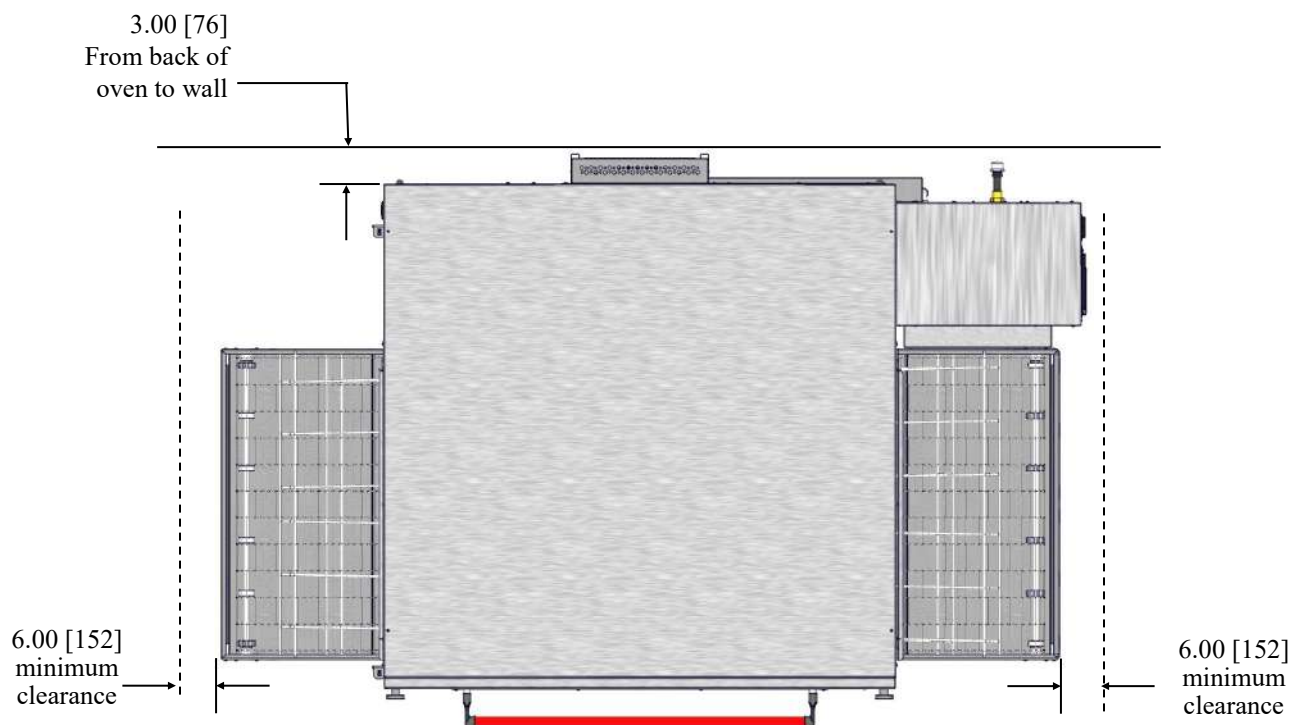


**HIGH
VOLTAGE**

- This appliance is equipped with a three-prong (grounding) plug for your protection against shock hazard & should be plugged into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.
- When installed, the appliance must be electrically grounded in accordance with local codes, or in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22.2, as applicable.

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These ovens are suitable for installation on either combustible or non-combustible floors, and adjacent to either combustible or non-combustible walls. The motor cover is designed to provide the proper clearance to the back of the oven. The minimum side clearances are 3in/76mm, measured from the back of the oven and 6in/152mm from the end of the conveyor.



NOTE Utilities must be easily accessible when the ovens are in the installed position. Do not install utilities behind the ovens.

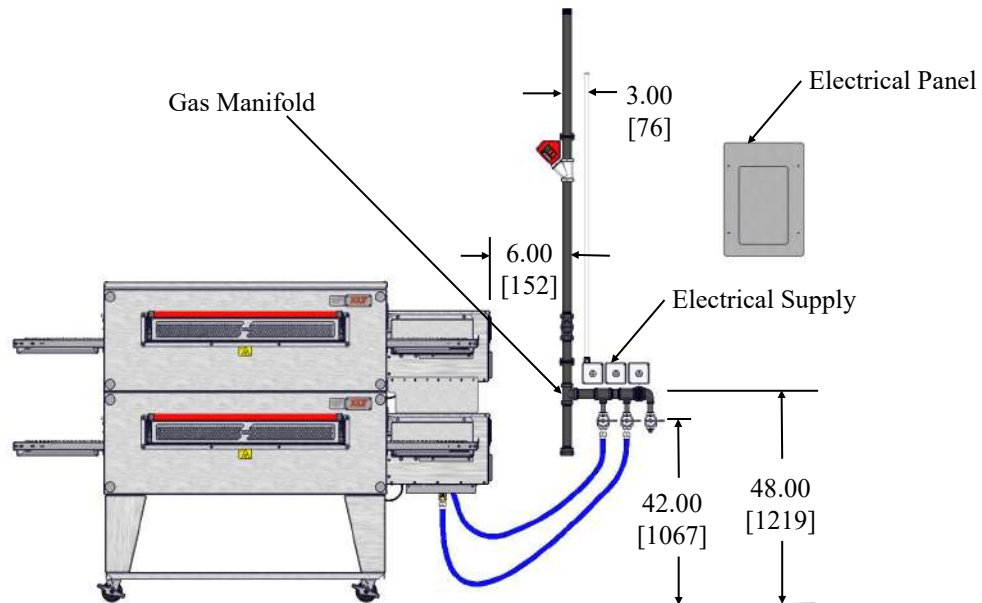
NOTE All installations must conform to local building and mechanical codes. It is required that the ovens be placed under a ventilation hood to provide exhaust ventilation and adequate air supply.

NOTE Equipment must be installed with cord anchorage to relieve strain on conductors, twisting of terminals, and abrasions to insulation.

NOTE: All dimensions in inches [millimeters], $\pm 1/4$ [6], unless otherwise noted.

 Incoming gas line MUST go beside the oven on the control box side.

NOTE

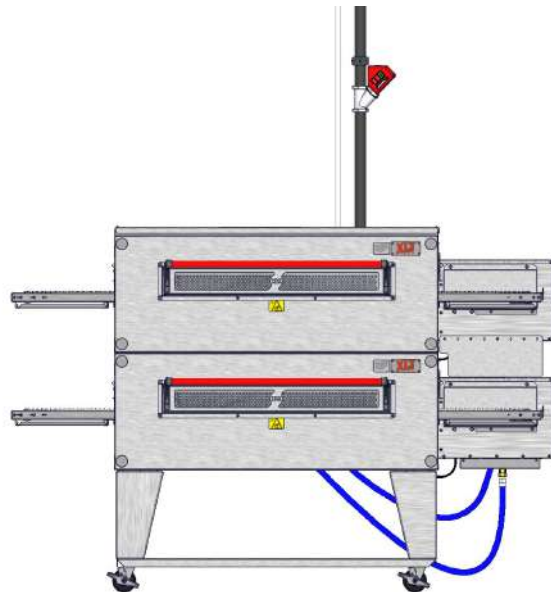


Acceptable Installation



CAUTION

Utilities must be easily accessible when the ovens are in the installed position. Do not install utilities behind the ovens.



Unacceptable Installation

NOTE: All dimensions in inches [millimeters], $\pm 1/4$ [6], unless otherwise noted.

WARNING & SAFETY INFORMATION

XLT ovens can easily be moved and stacked with the proper lifting equipment. The use of XLT approved lifting equipment is highly recommended. Contact XLT for more information.

**DANGER**

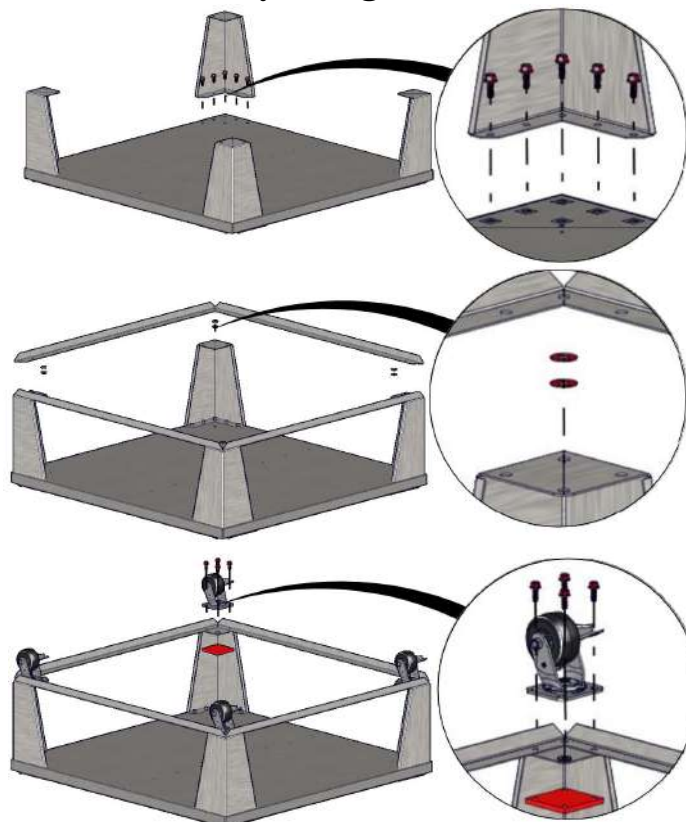
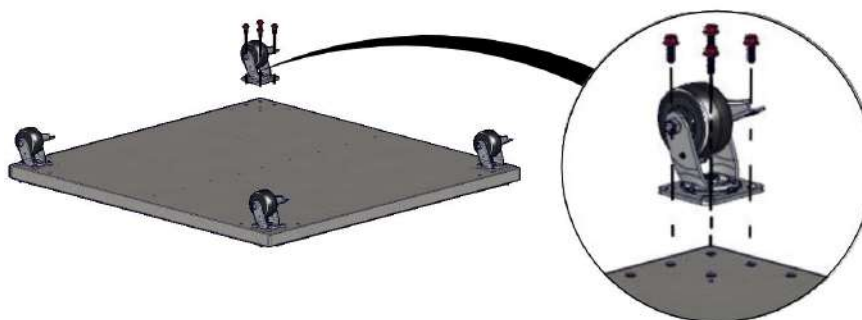
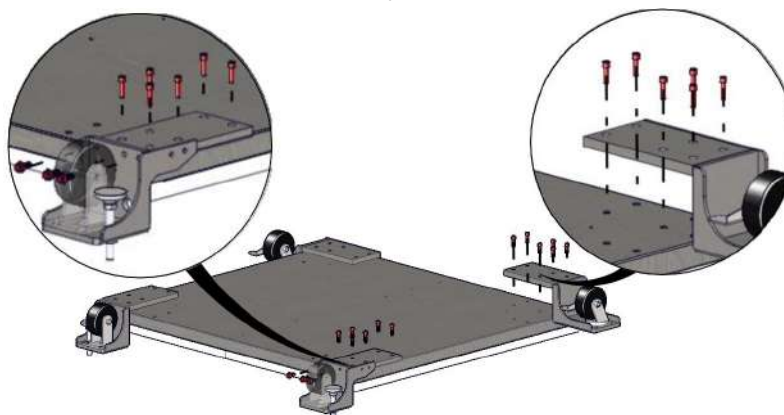
- These ovens are heavy & can tip or fall causing bodily injury.
- NEVER place any part of your body beneath any oven that is suspended by the lifting jacks. A crush hazard exists if the oven falls or slips.
- DO NOT place your hands on the lifting jack vertical pole beneath the jack's winch. As the jack's winch descends when you turn the jack handle, a pinch point is created between the winch & the pole.

**CAUTION**

BE CAREFUL when rolling the oven on the cart, especially when going up or down ramps & over bumps. Leave the straps/banding on until the oven is near the assembly area.

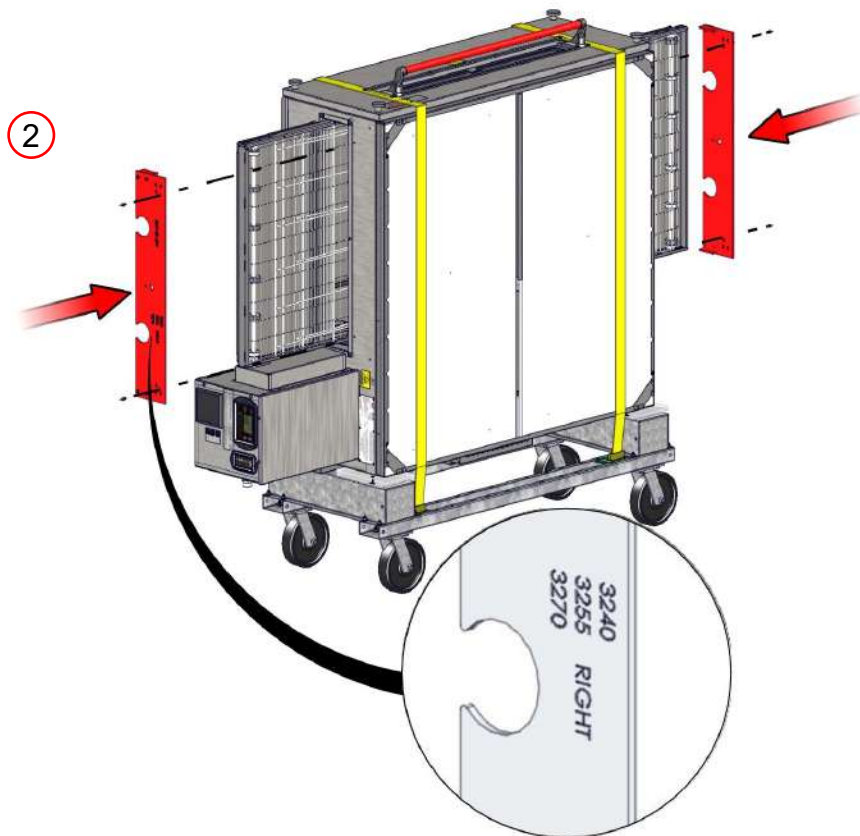
**DANGER**

- Make sure that the notch on tube of the winch assembly is aligned with the pin in the tripod base as shown. These alignments are important and keep the jack aligned properly.
- Check for smooth operation. The cable should not be pinched and should pass smoothly over the pulley on top of the pole assembly.
- Inspect cable prior to each use.
- If cable is frayed or shows signs of excessive wear and tear, DO NOT USE until cable is replaced.
- At a minimum replace the cable annually with wire rope that meets or exceeds the jack manufacturer's specifications.
- Do not exceed the stated capacity of the jack.

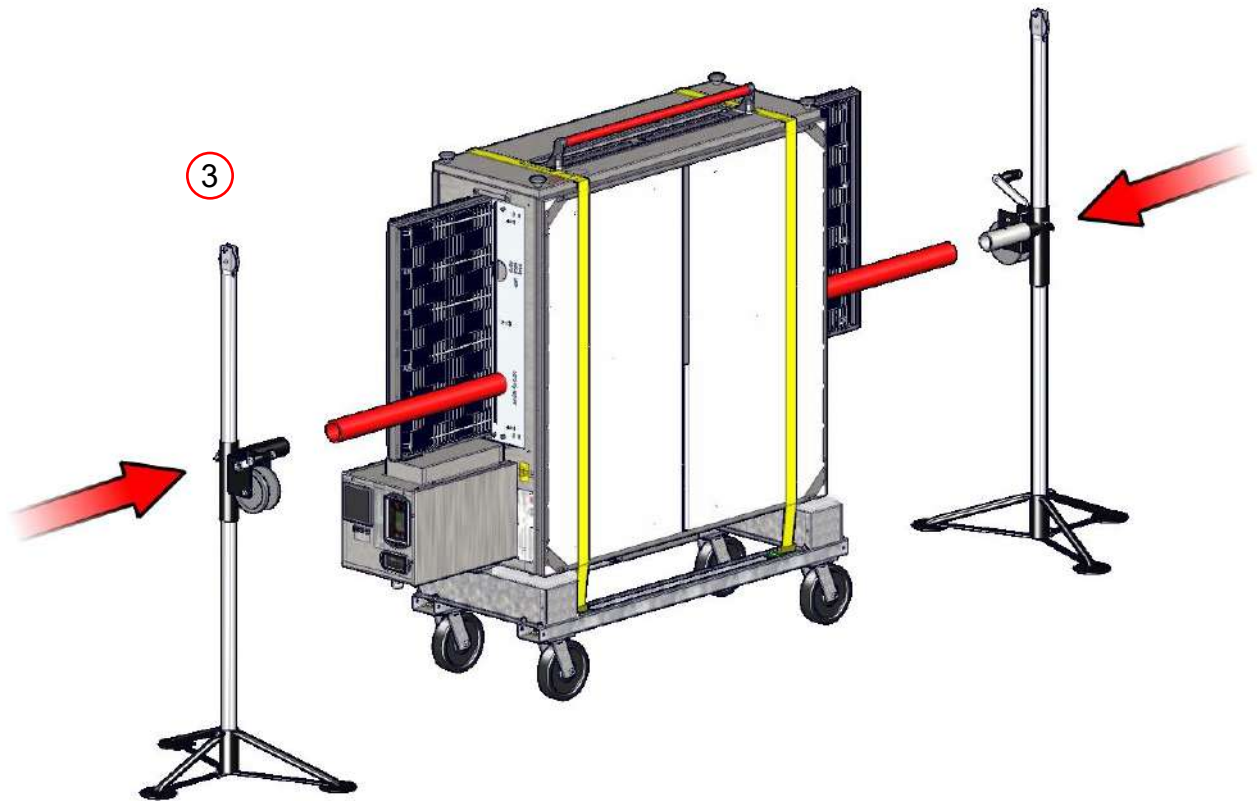
Base Assembly - Single & Double Stack**Base Assembly - Triple Stack****Base Assembly - Quad Stack**

**TIP**

Read and understand the next three (3) pages first. They illustrate how to stack the ovens safely.

**NOTE**

The Lifting Pipe hole, marked for the appropriate oven size, must be installed closest to the control box.



 The folding leg of the tripod must be positioned outward from the oven

NOTE

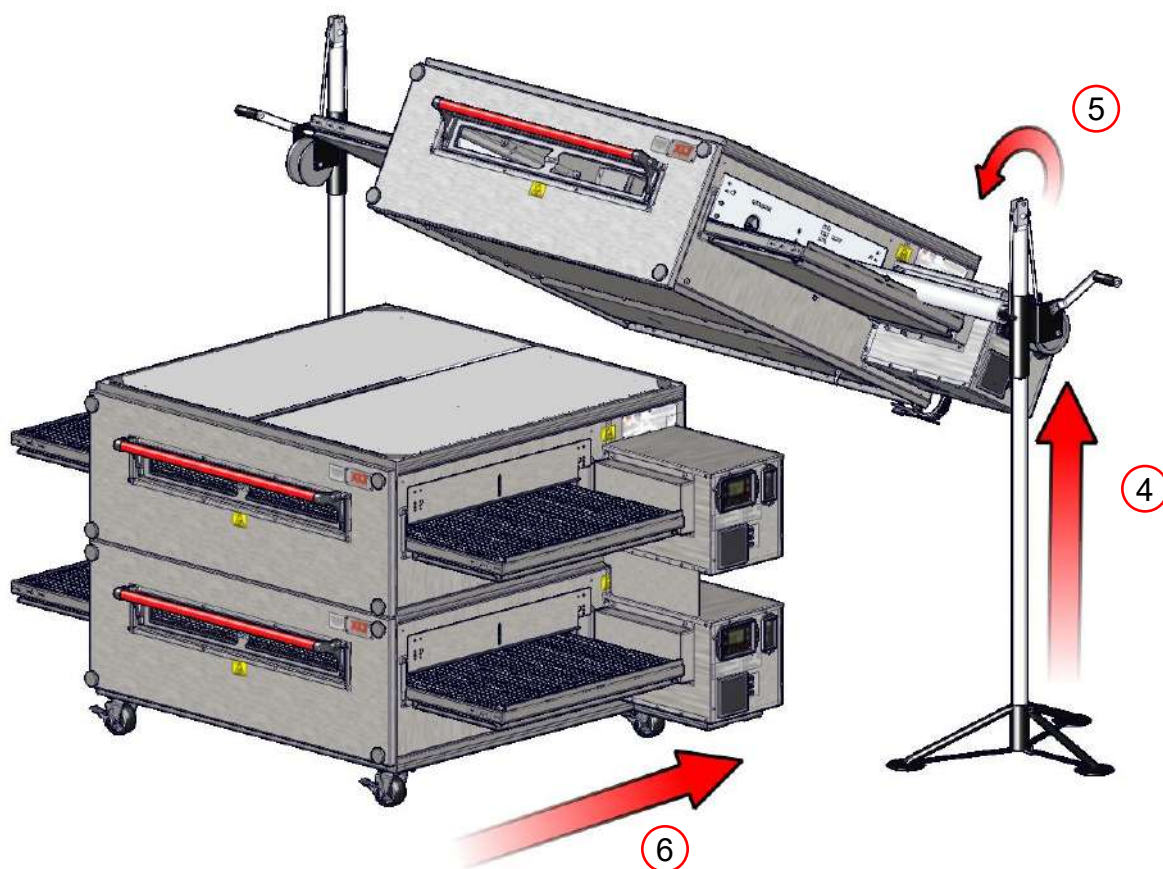
Stacking the Ovens

**DANGER**

Failure to engage the Lifting Jacks into the Lifting Pipe properly and completely will result in damage, injury, or death from a falling oven.

**DANGER**

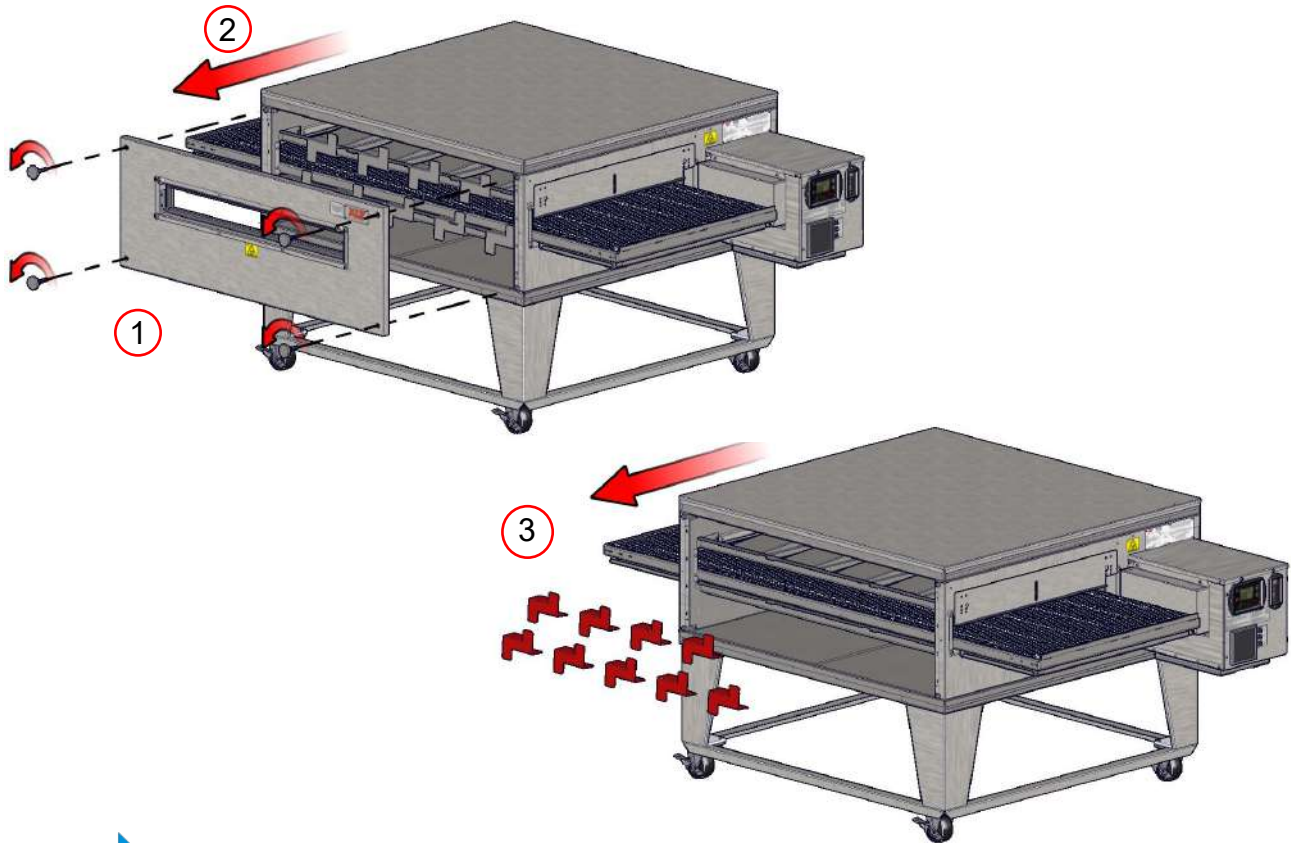
- Both jacks should be raised in unison, otherwise they may bind and a dangerous situation will develop.
- Do not put any part of yourself under the oven at any time.
- The oven is top heavy. Be careful.





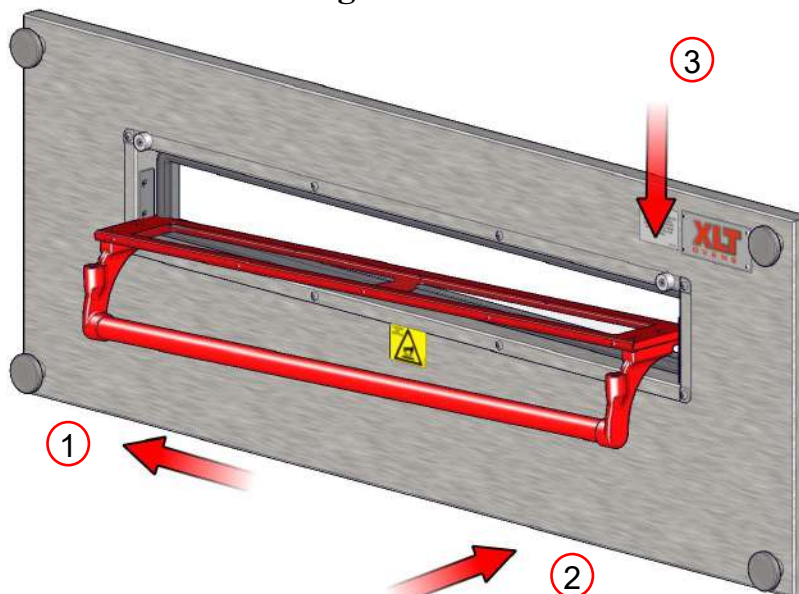
Individuals with pacemakers or internal medical devices should not handle strong rare-earth magnets. These magnets are found in the sandwich door assembly.

Removing Finger Clips



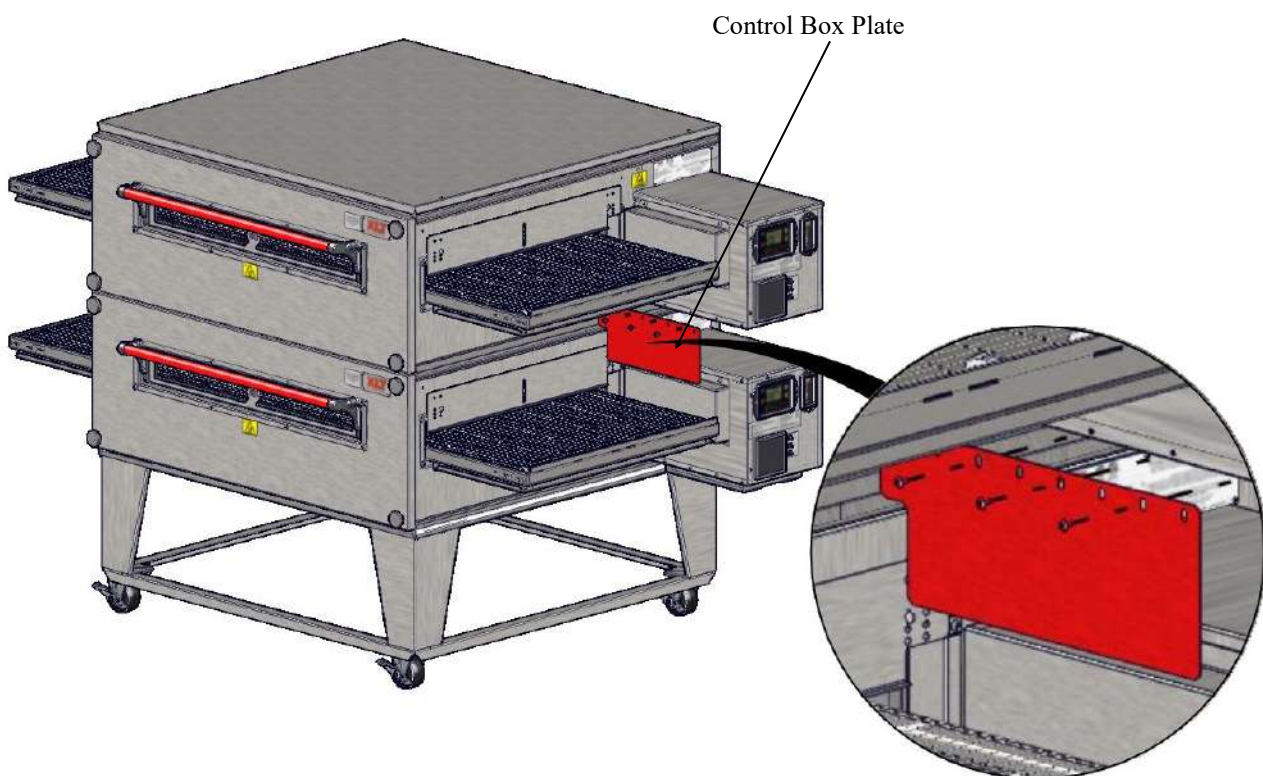
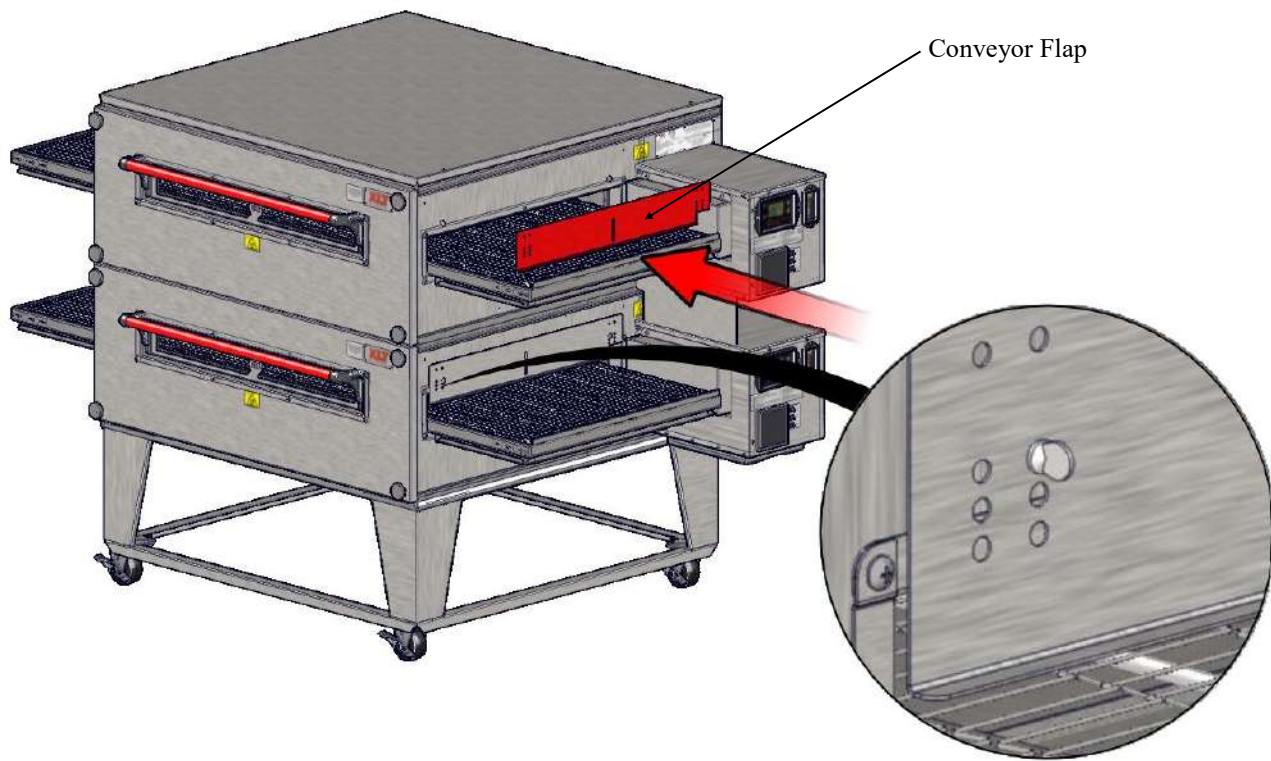
 Finger clips for transportation purposes only. Discard once removed.
NOTE

Installing Sandwich Door



OVEN ASSEMBLY

Installing Accessories



Physical Location & Spacing Requirements

These ovens are suitable for installation on either combustible or non-combustible floors, and adjacent to either combustible or non-combustible walls. The motor cover is designed to provide the proper clearance to the back of the oven. The minimum side clearances are 6in. / 150mm, measured from the end of the conveyor.

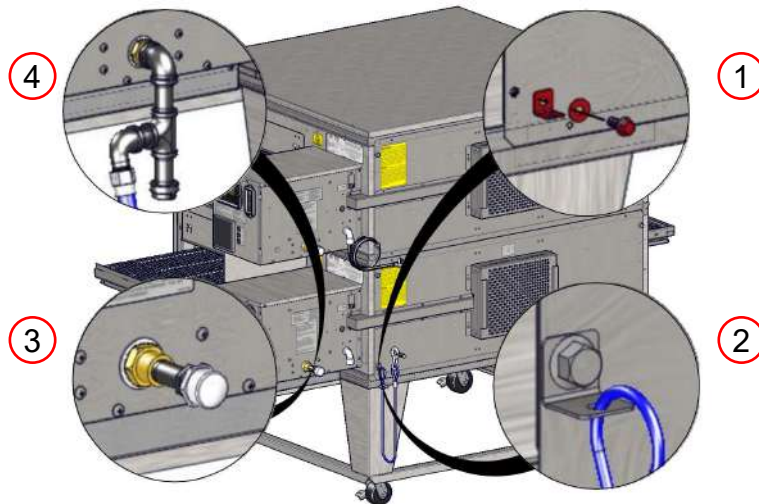
 **All installations must conform to local building and mechanical codes.**

NOTE

Restraint

Because all ovens are equipped with casters, all installations must be configured with a restraint to limit the movement of the oven without depending on the electric power supply cord or gas hose to limit the oven movement. One (1) restraint kit, which includes one (1) eye bolt, one (1) stainless steel clip & a cable, is required for each oven stack, regardless if used on a single, double, triple or quad configuration. The clip should be installed in the lowest hole of the back wall on the control end of the lowest oven in the stack (items 1 and 2 below). The lag eye bolt must be installed into a structural member of a wall or the floor. It is the owner's responsibility to ensure the restraint is installed correctly.

Upon completion of performing any service or cleaning functions that require removal of the restraint, insure that it is correctly re-attached to the oven.



Sediment Trap

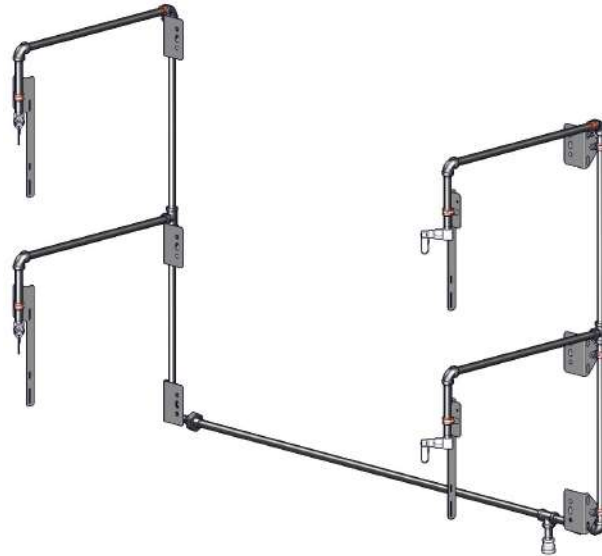
Connect sediment trap onto oven before connecting the gas hose. First remove the pipe with white cap from the rear of the control box (item 3 above) and install the supplied sediment trap in its place (item 4 above). Gas hose to hang vertically behind oven. The sediment trap is to be facing in the downward position as in step 4 above. A sediment trap is to be installed on all ovens.



CAUTION

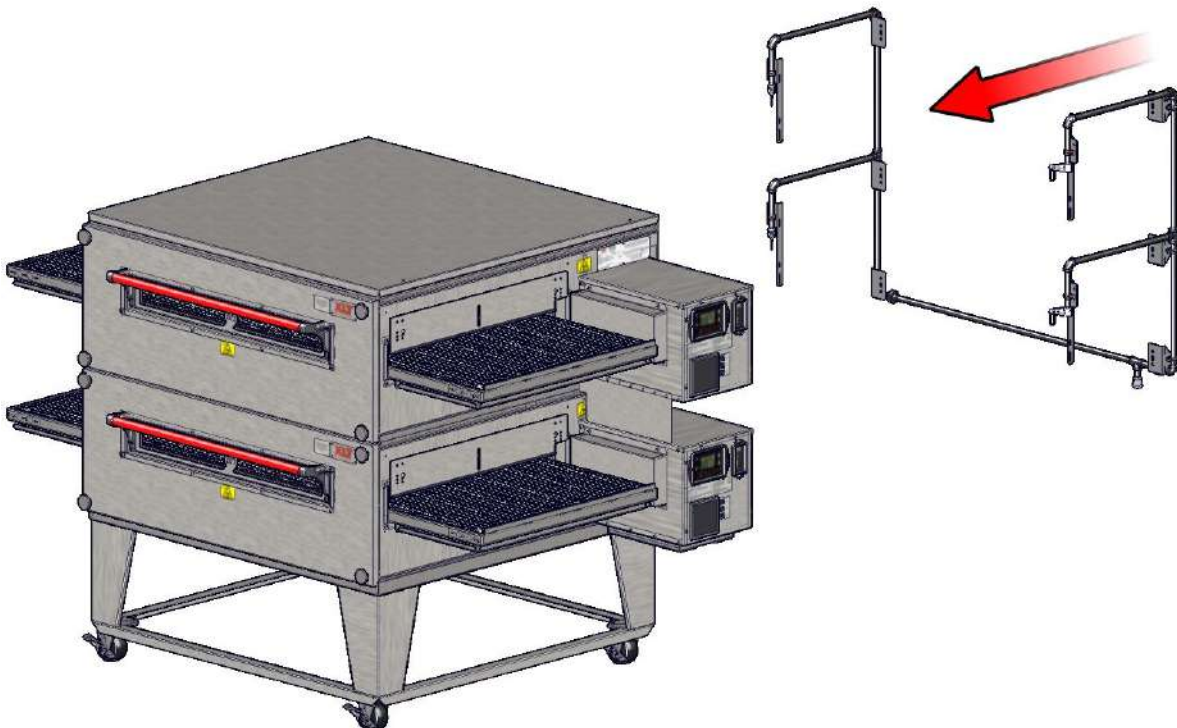
Do not use Teflon tape on gas line connections as this can cause gas valve malfunction or plugging of orifices from shreds of tape.

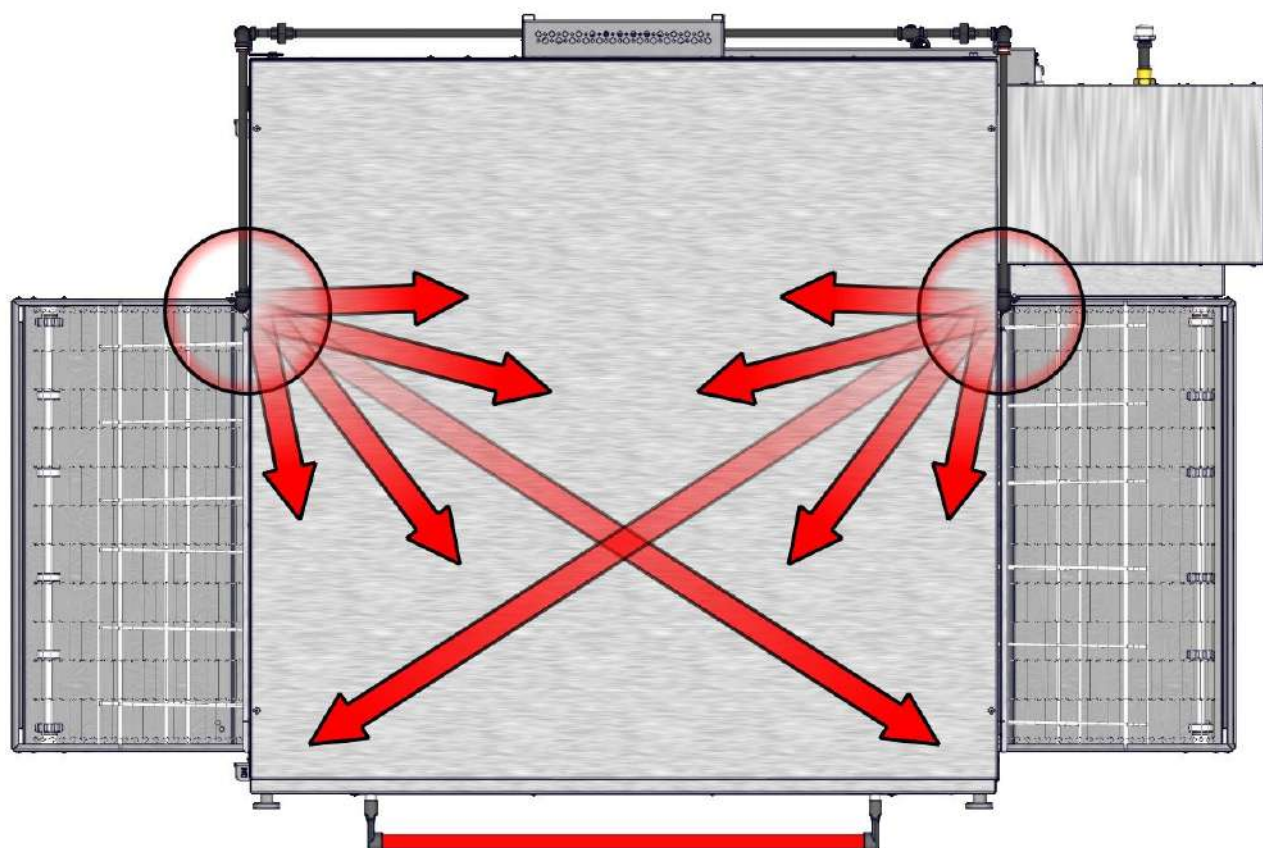
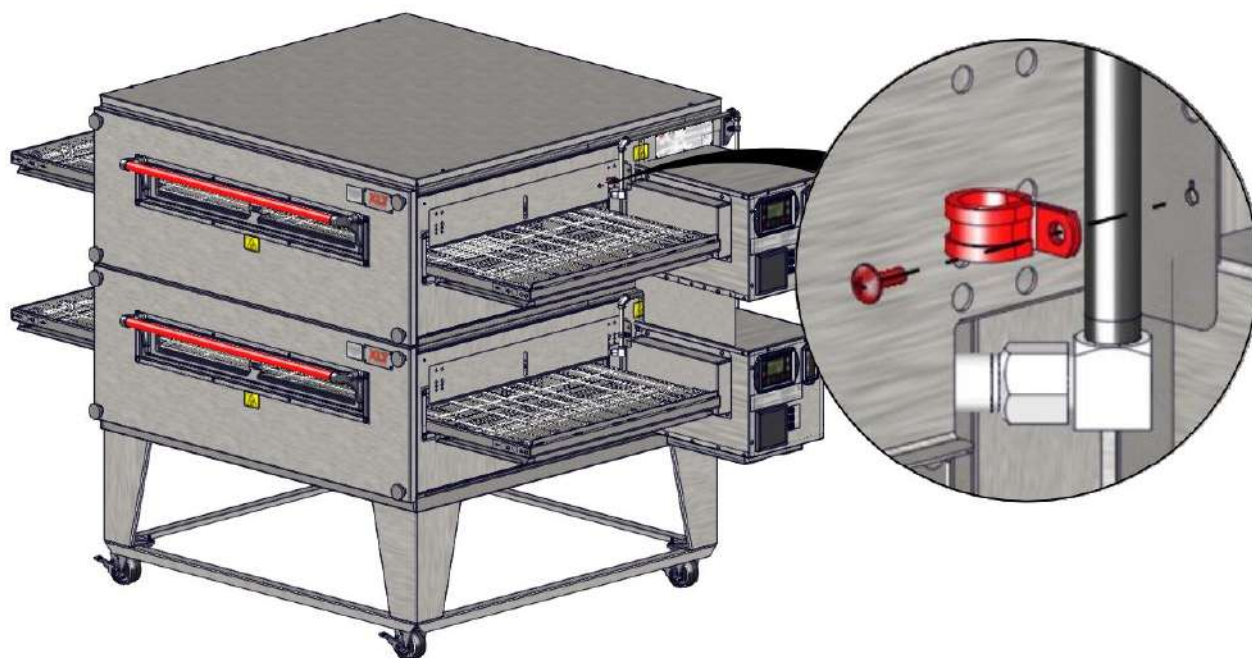
The requirement for fire suppression systems vary by location and the authority having jurisdiction. If you are required to install fire suppression on your oven, a pre-assembled piping kit is available that utilizes pre-existing holes to simplify installation and future service.



This design has been tested and approved to successfully comply with fire suppression codes. It uses only two (2) nozzles per bake chamber, and allows crumb trays, chain guards, and all other accessories to be easily removed. The kit does not interfere with any operations or maintenance.

For detailed information regarding fire suppression, see manual XD-9011 Fire Suppression Installation for XLT Hoods and XLT Ovens.





Ventilation Requirements

A powered ventilation hood is required to remove heat and vapors. Some provision must be made to replenish the amount of air that is extracted from the building. The hood and HVAC installation must meet local building and mechanical codes. Requirements vary throughout the country depending upon location. Proper ventilation is the oven owner's responsibility. The XLT hood system is designed to meet all requirements for XLT ovens and it is our recommendation that this system be used.

Ventilation Guidelines

Obtain information from the authority having jurisdiction to determine the requirements for your installation. Your ventilation hood supplier and HVAC contractor should be contacted to provide guidance. An air balance test is highly recommended, and should be performed by a licensed contractor. A properly engineered and installed ventilation hood and HVAC system will expedite approval, reduce all maintenance costs, and provide a more comfortable working environment. XLT also recommends that the operator controls for the ovens and the operator control for the exhaust fan be interlocked so that the exhaust fan gets energized whenever the ovens are turned on. For more information, see the following links at xltovens.com:

[Kitchen Ventilation Design Guide 1](#)

[Kitchen Ventilation Design Guide 2](#)

[Kitchen Ventilation Design Guide 3](#)

[Kitchen Ventilation Design Guide 4](#)

Ventilation Performance Test

After the oven and ventilation hood have been installed and are operating, a smoke candle can be used to "see" if the heat and vapors are being completely extracted. The test procedure is outlined below:

- The oven must be operating at 450°-500°F / 232°-260°C.
- The conveyor must be turned off.
- The ventilation hood exhaust fan must be turned on.
- Put a smoke candle in a pan on the conveyor belt at the center of the oven.
- Observe the smoke pattern coming out of the oven.
- Repeat the smoke candle test for each oven, as well as when all ovens are operating.

The ventilation hood must capture all of the smoke from the oven.

After the exhaust fan has been adjusted to completely capture and contain the heat, there needs to be a corresponding amount of make up air (MUA) introduced into the building to offset the amount of air volume being removed. An air balance test can determine the proper amount of make-up air flow rates.

All ovens are tested at the factory for functional operation. Operation is verified and adjustments are made to ensure proper function. However, field conditions are sometimes different than factory conditions. **It is necessary to have an authorized service technician verify operation and make field adjustments if needed.**

The Oven Initial Start-Up Checklist, found at the end of this manual, must be completed (both sides) at time of installation, signed by the Customer and returned to XLT and the Authorized Distributor to initiate Warranty Policy. **If the Start-Up Checklist is not filled out completely and returned to XLT the warranty will not be honored.**

Start-up Procedure

1. Ensure that all ovens have been installed in accordance with the Installation & Operation Manual and that all utilities are connected to the ovens in compliance with local building codes.
2. Fill out Step 1 on the checklist with all information and print legibly.
3. Place one (1) control box in service position and document incoming gas pressure in Step 2 (Refer to Parts & Service manual for gas valve adjustments). If gas pressure is not within XLT specifications contact gas company to adjust.
4. Place all control boxes in service position and start each oven and complete Step 3.
5. With all appliances running, check the dynamic gas pressure and complete Step 4. If gas pressure is not within XLT specifications contact gas company to adjust.
6. Complete Start-up checklist with owner signature and return to XLT.



CAUTION

Do Not Exceed 65 Hz On VFD Settings.

**CAUTION**

This oven is not capable of being safely placed in operation in the event of a power failure. No attempt should be made to operate this oven during power failure.

**Turn On**

Power Oven On
(Hold for 1 second)

Temperature Adjustment

Press TEMP button for 3 seconds. To adjust temperature use either the UP or DOWN arrow. If double burner press the TEMP button to change to other temp. Press ENTER to save.

Belt Time Adjustment

Press TIME button for three (3) seconds. To adjust belt time use either the UP or DOWN arrow. If split belt press the TIME button to change to other time. Press ENTER to save.

Turn Off

Power Oven Off
(Hold for 1 second)

Conveyor Belt Times		
Oven Models	MINIMUM	MAXIMUM
All	1:30	20:00

Oven Operating Temperature Range		
Oven Models	MINIMUM	MAXIMUM
All	300° F	590° F
	150° C	310° C



NOTE

The Large User Interface (LUI) comes programmed with appropriate settings for your oven. If changes are required follow the steps below.



TIP

Read and understand steps first. Screens will auto exit if no activity is sensed.

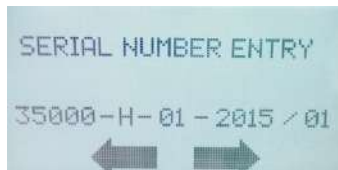
Factory Tech Mode

To enter Factory Tech Mode press and hold the two (2) arrow buttons for ten (10) seconds.



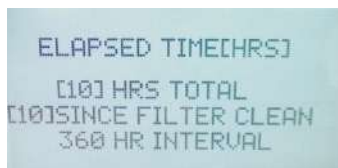
Software Version

MC & UI Software Version. Press Down arrow to go to next screen.
Image For Reference Only - See XLT For Correct Version.



Serial Number

Press ENTER button to make changes. Use side to side arrows to scroll to next character position. Use Up/Down arrows to change values and press ENTER to accept and advance.



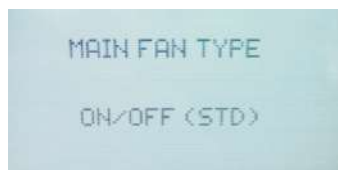
Elapsed Time

Elapsed time "Total Operation" and "Since Last Filter Cleaning". Elapsed time total cannot be reset. Press ENTER to advance.



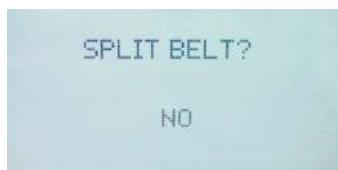
Belt Length

Press ENTER to make changes and use arrows Up/Down to adjust between belt lengths. Press ENTER to accept and advance.



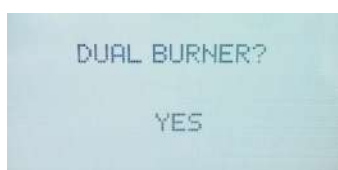
Main Fan Type

Press ENTER to make changes and use arrows Up/Down to adjust between On/Off (STD) and VFD. Press ENTER to accept and advance.



Split Belt

Press ENTER to make changes and use arrows Up/Down to adjust between No and Yes. Press ENTER to accept and advance.
MC1 is for the front belt and MC2 is for the back belt.



Dual Burner

Press ENTER to make changes and use arrows Up/Down to adjust between No and Yes. Press ENTER to accept and advance.
MC1 is for the Right Hand Burner and MC2 is for the Left Hand Burner. If MC2 doesn't have a jumper error will show.

FUEL TYPE

GAS

Fuel Type

Press ENTER to make changes and use arrows Up/Down to adjust between Gas and Electric. Press ENTER to accept and advance.

REMOTE HOOD SWITCH
INSTALLED?

NO

Remote Hood Switch

Press ENTER to make changes and use arrows Up/Down to adjust between No and Yes. Press ENTER to accept and advance.

TEMP OFFSET ADJUST:
INCREASE HEAT(+)
DECREASE HEAT(-)
OFFSET MC1[0 °F]
OFFSET MC2[0 °F]**Temp Offset Adjust**

Allows the field tech to make adjustments up to +/- 20 degrees in temperature.

HIGH TEMP

590°F

High Temp

To change press ENTER and use Up/Down arrows to changes. Press ENTER to accept and advance. Can be reduced in only 10°F increments from factory default of 590°F. No less than 500°F.

LOW TEMP

350°F

Low Temp

Press ENTER and use Up/Down arrows to make changes. Press ENTER to accept and advance. The Oven can be reduced to 300°F. The factory default is 350°F. If the field tech reduced temp to 300°F the control will allow it and display "Valve Change Req'd".

MAIN FAN [AMPS]

Press ENTER to see
isolated amp load**Main Fan**

Applies only when Main Fan Type is selected as On/Off (STD). VFD units are 3 phase, no monitoring by this control. This screen display shows amp load on fan motor.

BELT DIRECTION

L to R

Belt Direction

Press ENTER to make changes and use Up/Down arrows to adjust between L to R and R to L. Press ENTER to accept and advance. The wire belt is non-directional and doesn't physically need changed. If the conveyor is a split belt, repeat steps using TIME to toggle to between FRONT and BACK.

MAIN FAN OFF DELAY

AUTO[225°F]

Main Fan Off Delay

Press ENTER to make changes and use Up/Down arrows to change between AUTO 225°F and TIMED 30:00 and press ENTER to accept and advance.

BEEPER BUTTON TEST

Beeper Button Test

Press ENTER to enter setting. A beep with each press of a button. Press ENTER to exit.

Menu Mode (Optional)

Menu Operation

1. To enter Menu Mode press MENU.
2. The number in the lower right hand corner will begin flashing.
3. Scroll through the menus by pressing Up/Down arrows (Max of twelve (12) preset menus).
4. To select desired menu press ENTER. The number should have a solid black box around it.
5. To change to another menu selection press MENU and the solid black box will disappear and the number will start flashing.
6. When the number is flashing pressing MENU will exit Menu Mode.



Change Menu Setting

1. To change a setting, when the number is flashing go to desired preset and press ENTER and MENU for three (3) seconds.
2. TEMP should start flashing. Use Up/Down arrows to select temp then press ENTER.
3. TIME should start flashing. Use Up/Down arrows to select time then press and hold ENTER and MENU for three (3) seconds to save preset.

Additional User Options

Lock Settings

1. To lock and unlock oven time and temperature press TIME and ENTER for three (3) seconds till the LUI beeps once.
2. Then press TEMP, TIME, and TEMP individually within three (3) seconds to lock settings.
3. A lock or unlock symbol will show up in the lower left corner of the LUI.

Fahrenheit To Celsius

1. To change temperature from Fahrenheit to Celsius press and hold TEMP and ENTER for three (3) seconds and the settings will change.

Oven Control LED's

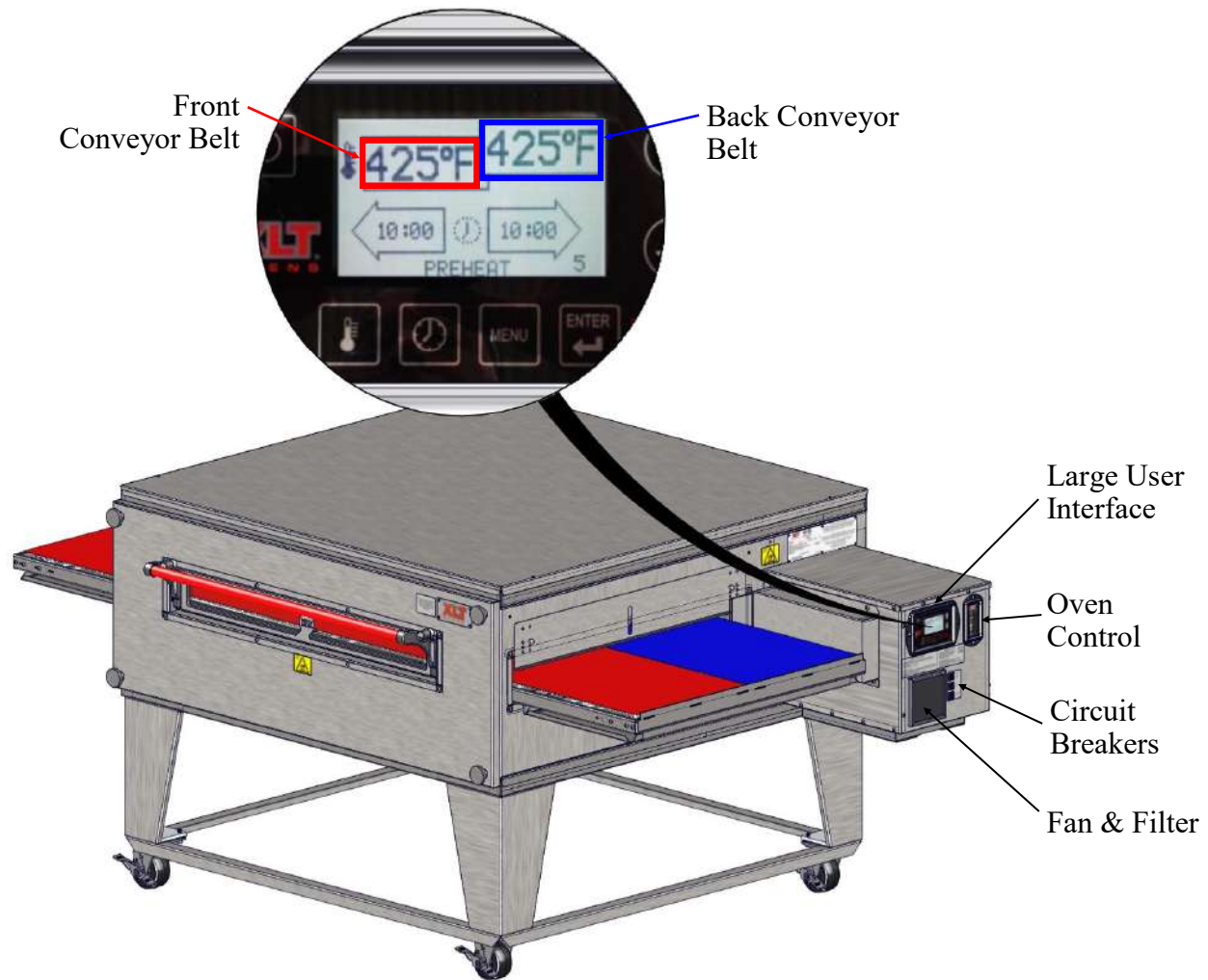
LED's Status



1. Power - Green (Illuminated when oven has power)
2. Conveyor - Green (Illuminated when conveyors are active)
3. Heat - Green (Illuminated when the gas valve receives power)
4. Main Fan - Green (Illuminated when fan is spinning)
5. Cool Down - Green (Illuminated when oven is in cool down mode)
6. Alarm - Red (Illuminated when an alarm is tripped)

(All LED's on for reference)

Split Belt Conveyor Time Controls



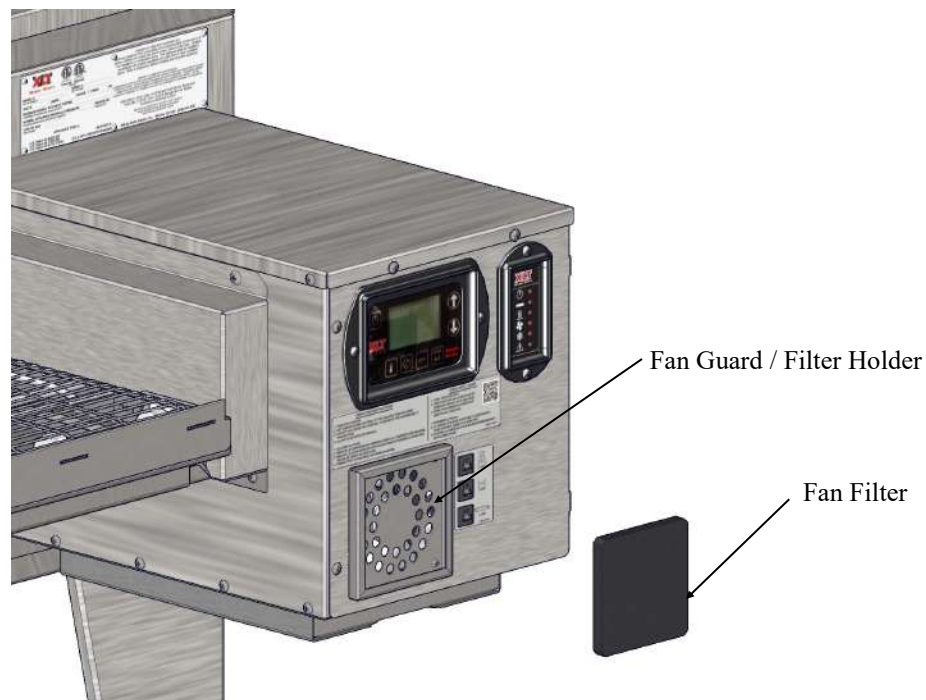
Your XLT oven is constructed of stainless steel. Most commercial cleaning agents may be used safely on all stainless steel surfaces. Check application restrictions on product label prior to usage. Observe recommended precautionary and safety measures as dictated by the product manufacturer. Bleach can cause stainless steel to discolor and corrode and is not recommended for cleaning.

Do not use caustic cleaners on the conveyor bearings as they will cause irreversible damage to the part.

Do not use abrasive cleaners or abrasive pads as they can scratch stainless steel surfaces. Areas with heavy buildup should be sprayed and allowed to soak for up to five (5) minutes prior to wiping clean. Always wipe with the “grain” of the surface to maintain appearance.

Do not use caustic cleaners on the control panel and/or electronic components. Only use cleaners compatible with Lexan® on the face of the conveyor control.

The most critical item to be cleaned is the filter on the fan. The filter is held in place by the stainless steel fan guard/filter mount and can be washed several times. Regular cleaning of the filter is important to maintain air circulation within the control box. Depending upon store conditions, this filter should be cleaned weekly or as it gets clogged with dust. Please contact XLT for replacement parts.



Cooling Filter Maintenance

1. When cooling filters need to be cleaned an alarm will appear on the LUI saying “FILTER”.
2. Press the MENU button to enter the “FILTER RESET” screen.
3. Once the filter is cleaned, press ENTER to reset the filter timer. This will take you to another screen which will show you the timer back at 00:00 and will exit after five (5) seconds.
4. If you wish to bypass alarm press the MENU button and it will clear the alarm for an additional two (2) hours. Then the “FILTER” alarm will appear again.

**DANGER**

Oven must be cool and the electric cord unplugged before any cleaning or maintenance is done.

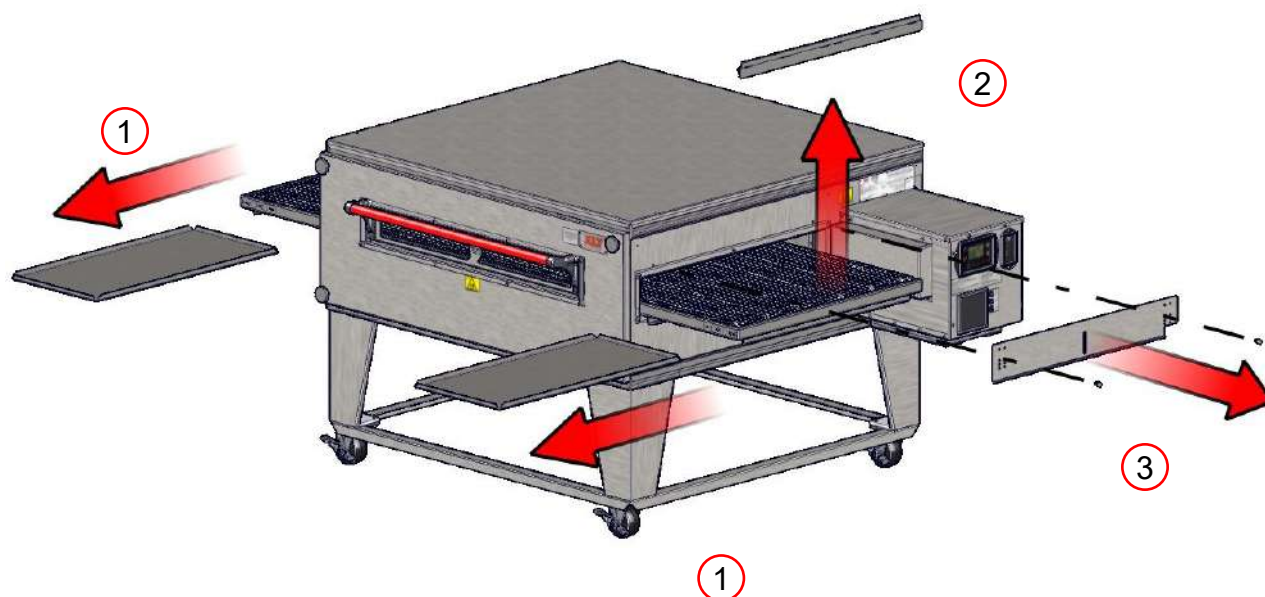
**CAUTION**

If the oven is to be removed from its installed location for cleaning or servicing, the following procedure is to be followed:

1. Shut off main manual gas valve
2. Unplug electric cord
3. Unplug gas line
4. Unlock casters
5. Disconnect restraint
6. Disconnect hood relocations cord (if applicable)
7. When servicing or cleaning is complete, move oven to original location
8. Connect restraint
9. Lock casters
10. Plug in electric cord
11. Plug in gas line
12. Turn manual gas valve on

**TIP**

Read and understand the next eleven (11) steps first. They illustrate how to remove components from the oven for cleaning.





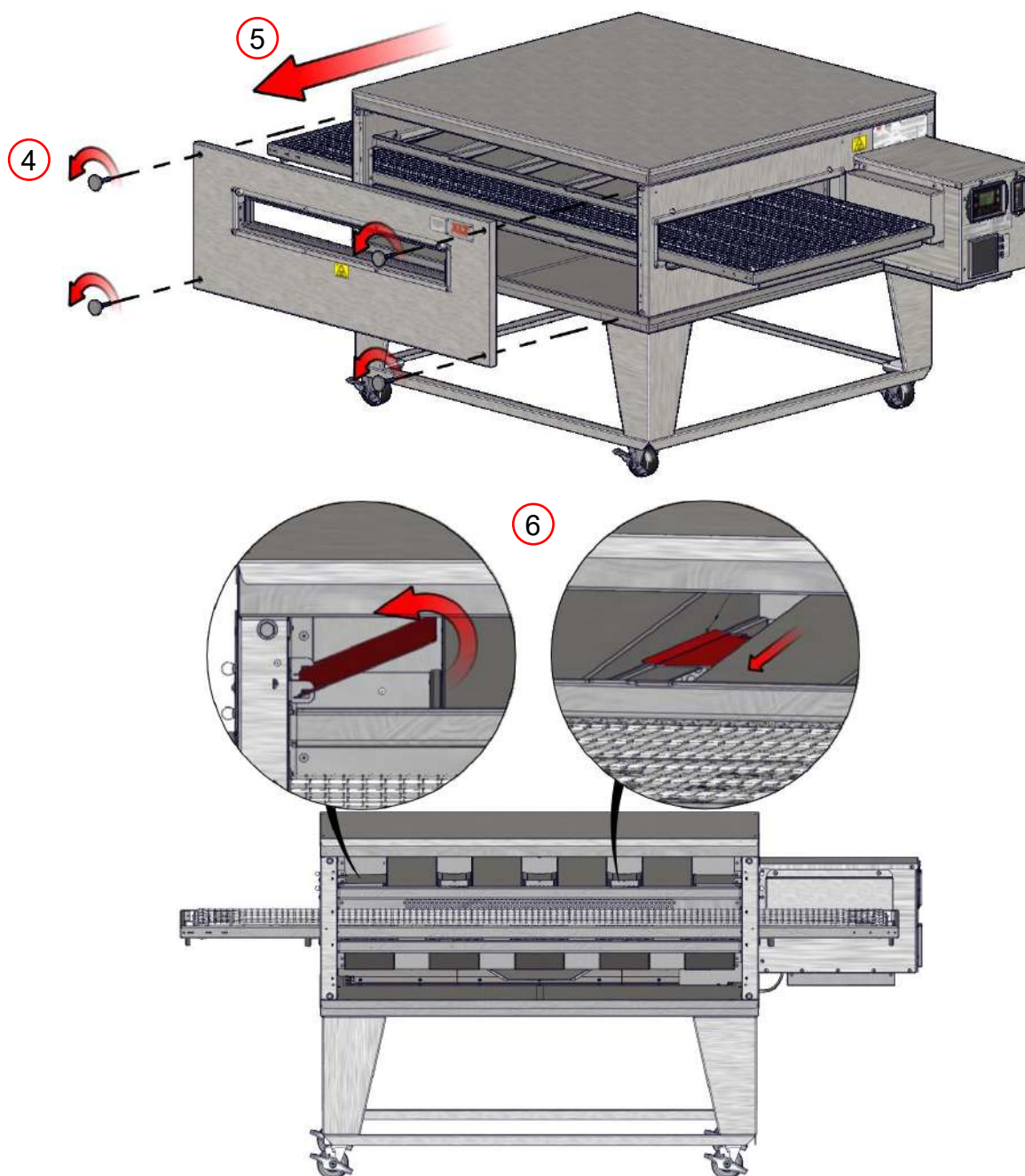
Opening the Sandwich Door will provide a grip location for removing the Front Panel.

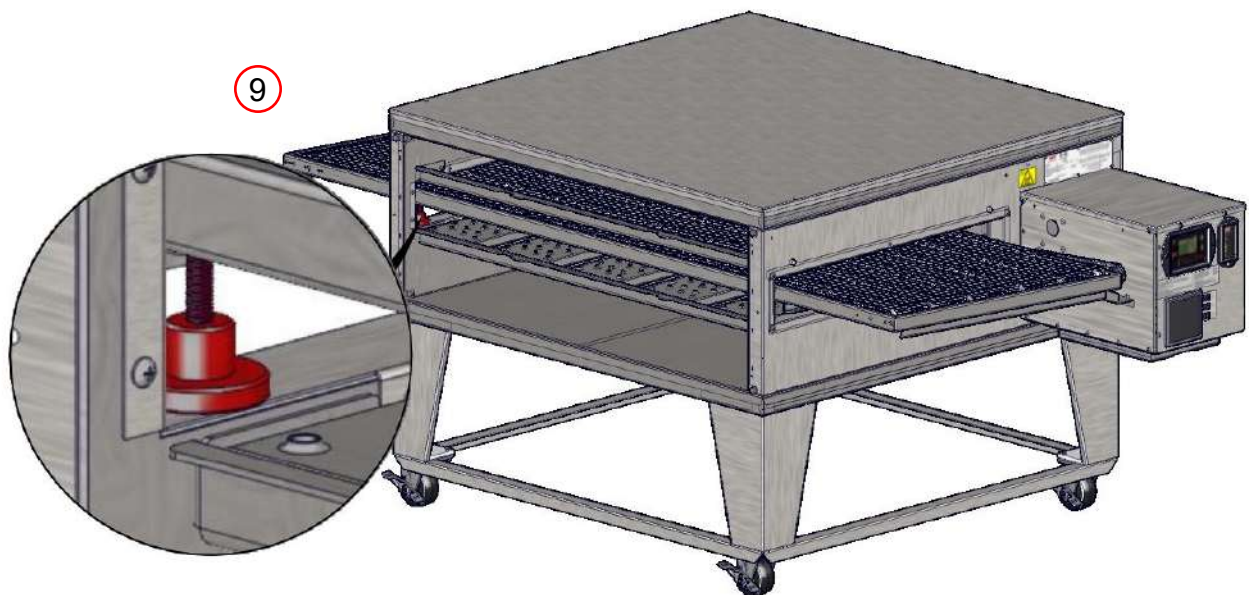
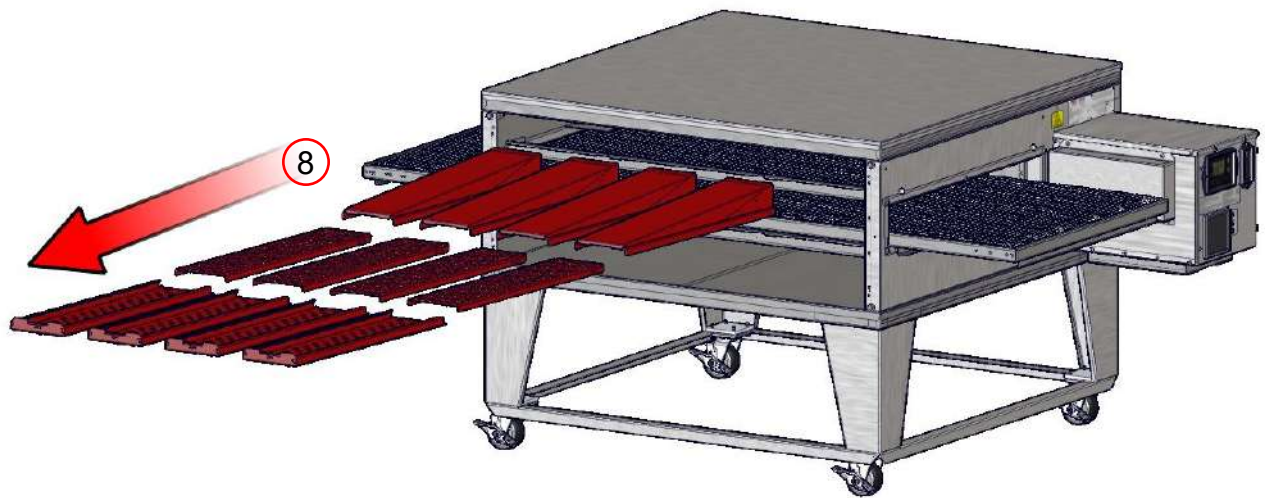
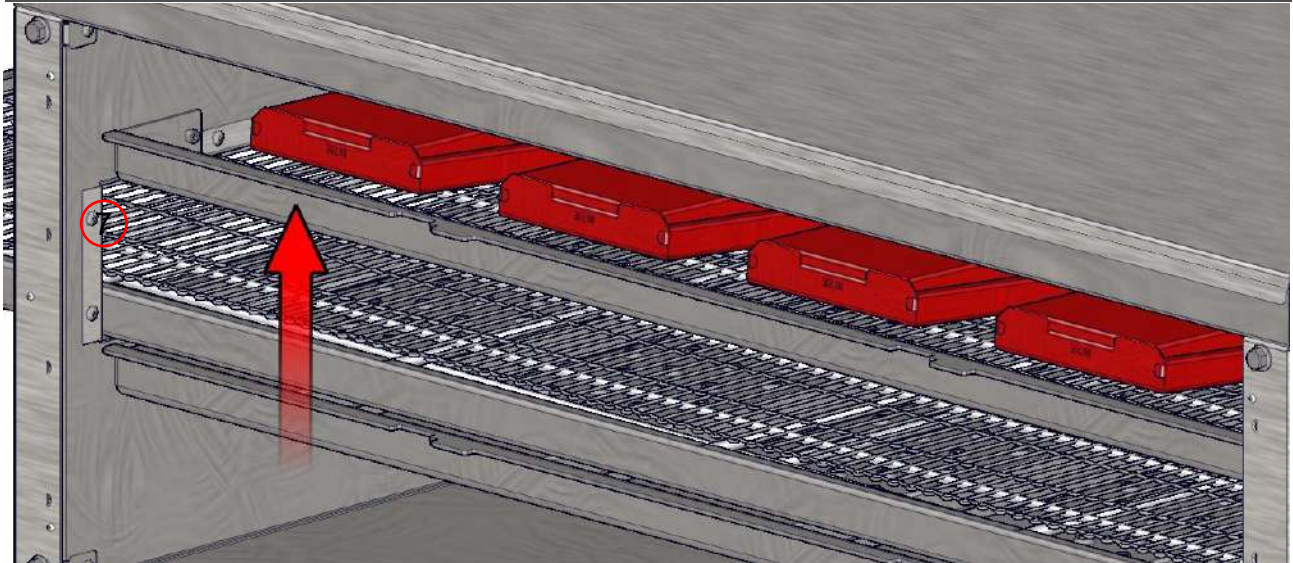
TIP**CAUTION**

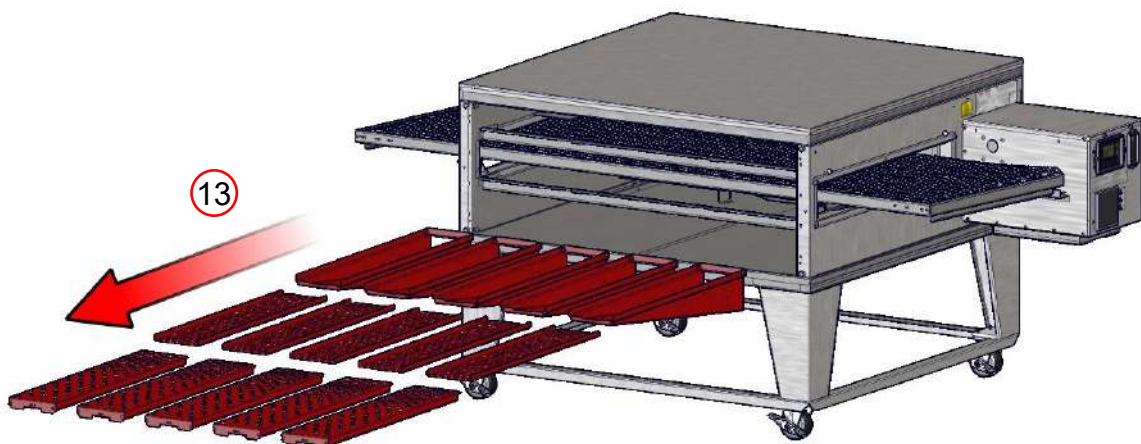
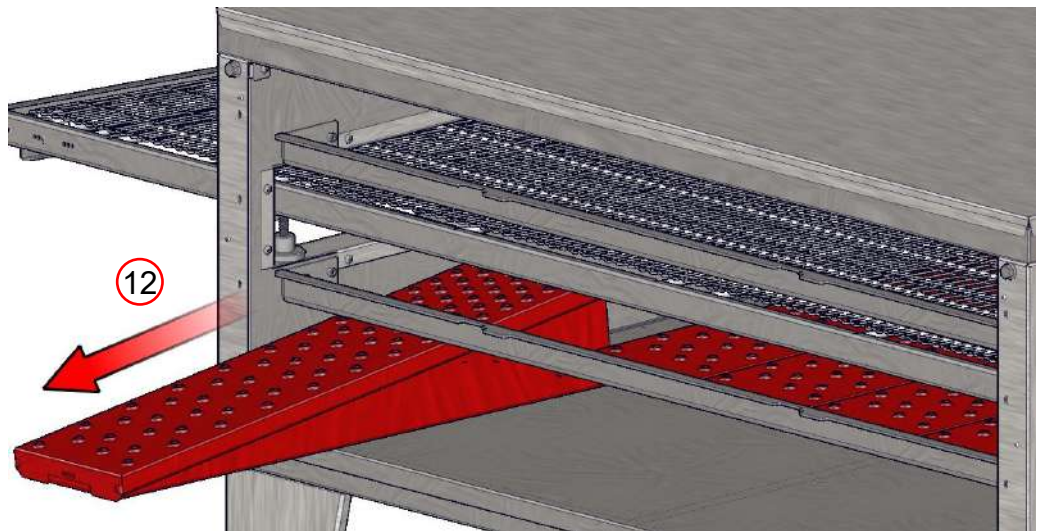
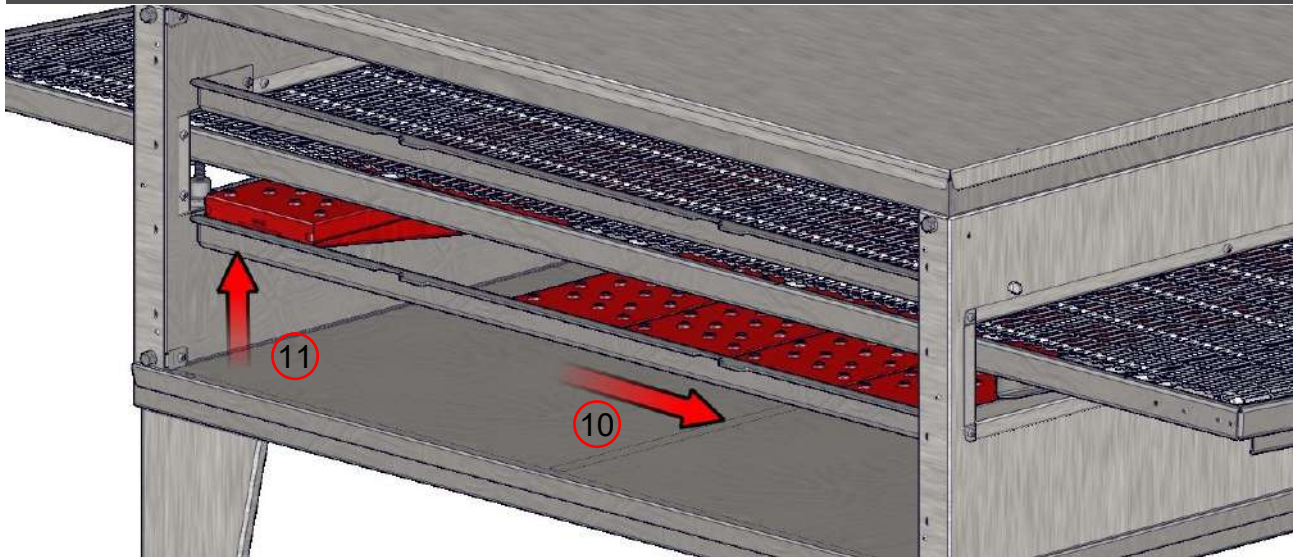
Front Panels can weigh up to 60 lbs. [28 kg]. Use caution when lifting.

**WARNING**

Individuals with pacemakers or internal medical devices should not handle strong rare-earth magnets. These magnets are found in the sandwich door assembly.







DO NOT spray liquid cleaning agents in the slots and holes in the rear of control box, underneath the control box, or the main fan motor cover

As with any appliance, periodic maintenance is required. Many factors affect this schedule such as product mix and hours of usage. An example schedule is included.

Oven Maintenance Schedule					
		Daily	Weekly	Monthly	Semi-Annual
Cleaning					
	Empty Crumb Trays	☐			
	Wipe down Front, Sides, & Top	☐			
	Wipe down Control Box & Control Panel *	☐			
	Clean or Replace Fan Filters	☐			
	Remove large debris from Conveyor		☐		
	Wipe down Motor Cover		☐		
	Clean Sandwich Window		☐		
	Remove debris from Finger Outers			☐	
	Remove debris from inside Bake Chamber			☐	
	Remove debris from Main Fan Motor			☐	
	Clean Finger Outers				☐
	Clean inside Bake Chamber				☐
	Clean Conveyor Assembly				☐
Inspection					
	Check Fan Filters for dirt	☐			
	Check Conveyor Wire Belt for Stretch		☐		
	Check Conveyor Drive Roller Chain for Stretch			☐	
Adjust					
	Conveyor Wire Belt			☐	
Lubricate					
	Lubrication of Window Pins W/ Food Grade Grease			☐	
	Conveyor Drive Roller Chain				☐
Replace					
	Fan Filters				☐

- Do not use caustic cleaners on the conveyor bearings (refer to Pg. 43)
- Do not use abrasive cleaners or abrasive pads (refer to Pg. 43)
- *Do not use caustic cleaners on the control panel. Only use cleaners compatible with Lexan® on the face of the conveyor control (refer to Pg. 43)
- Do not use high pressure water to clean the oven.

Contact a factory representative or a local service company to perform all other maintenance and repairs.



DANGER

Oven must be cool and the electric cord unplugged before any cleaning or maintenance is performed.

Proper Cooking

Experimentation is about the only way to determine proper time and temperature settings. While a food product may look perfectly cooked on the outside, the inside may be undercooked. A thermometer is necessary to determine if food items are being properly cooked. Most health departments have rules and regulations that establish minimum temperatures for internal food temperatures. Most operators want to cook foods as fast as possible in order to serve more customers per hour. However, cooking foods slower is the only way to achieve a proper internal temperature. If your food products look acceptable on the outside, but have an internal temperature that is too low, then lowering the temperature and decreasing the belt speed (thereby increasing the cook time), will be necessary.

Several factors may affect the cooking performance and characteristics:

- Oven temperature (generally affects color)
- Conveyor speed (generally affects doneness)
- Finger arrangement
- Altitude
- Pans versus screens
- Dough thickness
- Cheese type
- Raw ingredient temperature (frozen?)
- Quantity of toppings

XLT ovens can be configured to cook a wide variety of food items. This is accomplished by designing a finger group to control the baking characteristics. Generally speaking, most cooking is a “bottom up” process. The hot air from the bottom row of fingers has to go through the conveyor (a distance of about 2” / 50.8mm), heat the pan or screen, and then actually cook the food. The hot air from the top, on the other hand, basically only has to melt and re-heat precooked toppings. Consequently, most operators will use the oven with the fingers arranged so that a lot more air is directed to the bottom of the food than to the top. Finger cover plates are available that have six rows of holes, four rows of holes, two rows of holes, and no holes (or blank cover plates). A typical finger arrangement might have most or even all fingers on the bottom “full open”, that is fingers with all six rows of holes, and only two or three fingers on top with four or six rows of holes. The top fingers can be arranged in a symmetrical pattern or can be shifted asymmetrically to either the entrance or exit end of the conveyor. We encourage you to experiment by trying different finger arrangements, temperatures and belt speeds. XLT can assist you with your oven/product configurations.

Mechanical Function

If your oven does not function properly, please verify the following conditions:

1. Verify that the power cord to the oven is connected and/or plugged in if equipped with a plug and receptacle.
2. Check all circuit breakers on the oven control panel and on the back of the control box to ensure they have not been tripped.
3. Check to see that the circuit breakers in the building electrical service panel have not been tripped or turned off.
4. Check the manual gas valve to verify that it is turned on completely. The handle on the valve should be parallel with the gas piping when the valve is turned on, and the handle will be perpendicular with the gas piping when the valve is turned off. Also remember that anytime the gas hose has been disconnected it will take time to purge the air from the gas train.
5. Verify that oven is supplied with gas by disengaging and reengaging the quick-disconnect fitting on the gas hose.
6. Check to see that the oven is fully assembled. All of the fingers must be properly installed. Incorrect or incomplete finger placement can cause a “windy” condition that can cause the burner not to light.
7. Gas line size and pressure must be adequate to support total BTU requirements with all appliances in store turned on. Refer to the “Oven Gas Requirements” section of this manual.
8. In the case of the oven not lighting properly. Turn off the oven and wait approximately thirty (30) seconds or until the fan stops spinning and turn the oven back on.

If your oven still does not function properly, XLT has qualified customer service personnel that can provide assistance on any type of XLT equipment problem you may experience. Customer Service is available 24/7/365 at 888-443-2751, or visit www.xltovens.com.

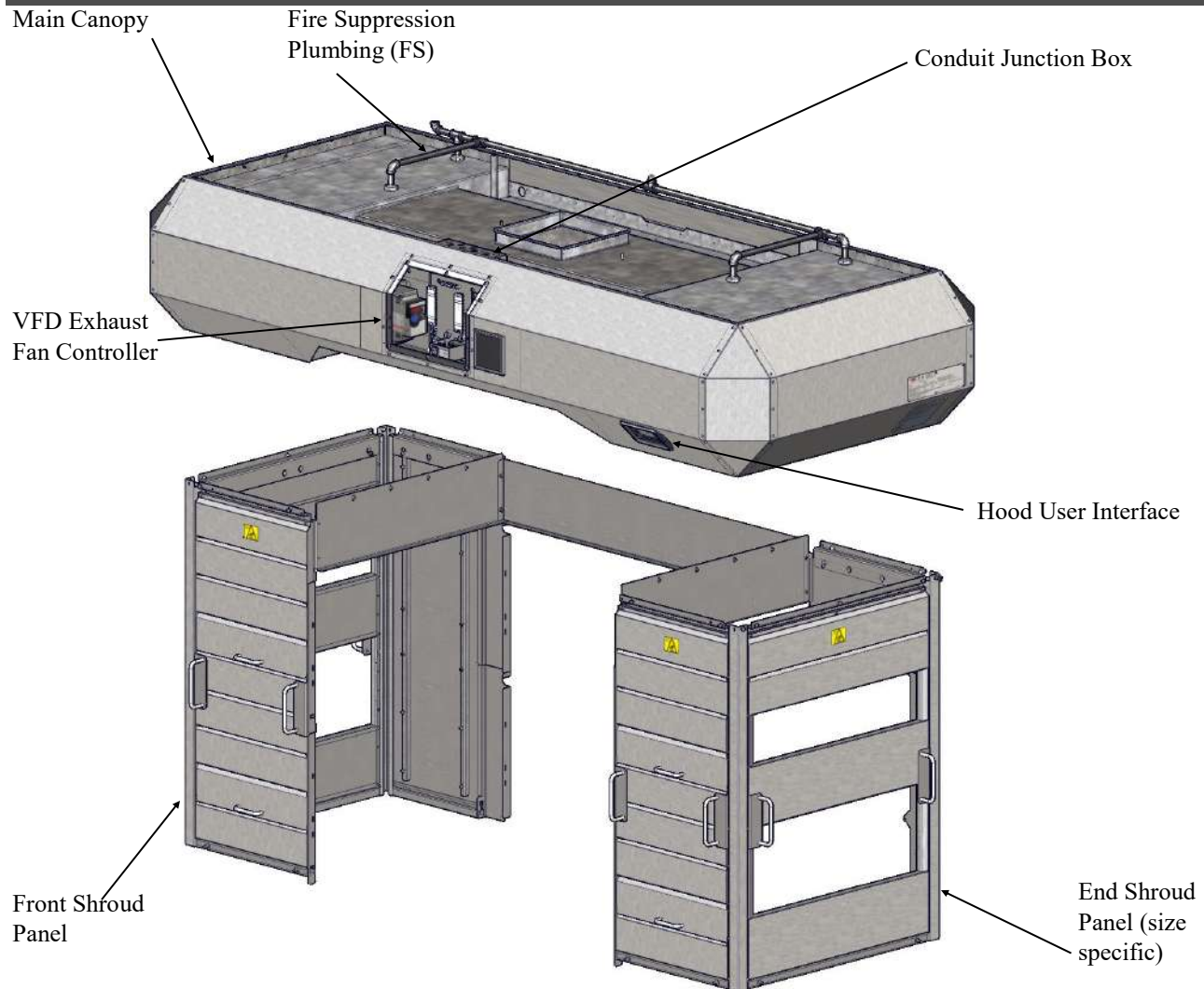
**DANGER**

Check all local codes prior to installation. Special requirements may be necessary depending upon building material construction. It is the installing contractor's responsibility to ensure that the structure the hood is to be hung from meets all codes and can carry the hood weight.

Purchaser's Responsibility

It is the responsibility of the purchaser:

1. Thoroughly review the floor plans and specifications. The exact location of the oven must be determined before installing the hood.
2. To unload, uncrate, assemble, and install the hood to it's intended location.
3. To ensure that electric utilities are installed on site in accordance with local building codes and meet the specifications in this manual.
4. To see that electric utilities are connected properly by a qualified installer using the proper hardware.
5. To ensure a qualified installer has performed an initial start-up procedure.
6. Location should minimize long and twisted duct runs, and make efforts to have a straight clear path to the roof/wall fan curb.
7. All hood supporting structures must be strong enough to support the weight of the hood and shrouds. Refer to the Hood Dimensions & Weights page for weight.
8. Maintain the proper clearances from combustible materials according to International Mechanical code (IMC), and National Fire Protection Agency (NFPA) 96, and local mechanical codes.
9. To Ensure that the XLT Hood is suspended properly from the ceiling structure.



The XLT Hood System consists of three (3) major parts; the Main Canopy, the Shrouds, and the Variable Frequency Drive (VFD) exhaust fan controller.

The Main Canopy serves to collect and transmit heat to the exhaust fan. It houses filters, lights, and the controller. The controller operates both the hood and ovens. The main canopy size is dependent upon oven size.

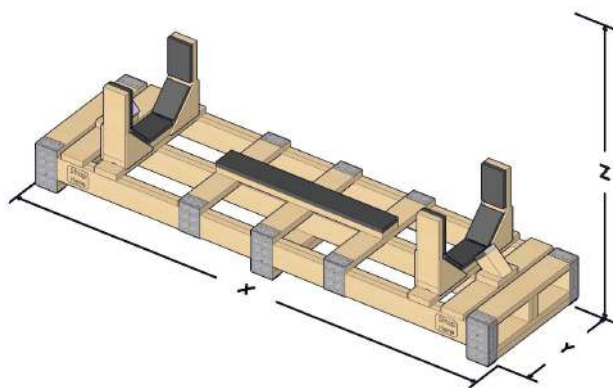
The Shrouds assist the efficiency of the main canopy by entrapping heat. They are configurable for either front or end loading and front or end unloading, and are easily removable for cleaning and maintenance.

The VFD converts input power to variable frequency three-phase output power to control the speed of the exhaust fan. All electric utilities for the hood and exhaust fan connect through the electrical box located on the front of main canopy. The capacitive touch buttons are located on the Hood User Interface on the front of main canopy, and interlock the function of the hood and oven(s). There are relays that provide interlocks for equipment such as, HVAC dampers, and/or dedicated MUA units and there is an optional relay for fire suppression.

All XLT hoods are available pre-piped for fire suppression, allowing for simple, in-field installations. For fire suppression detailed information see manual XD-9011 Fire Suppression Installation for XLT Hoods and XLT Ovens.

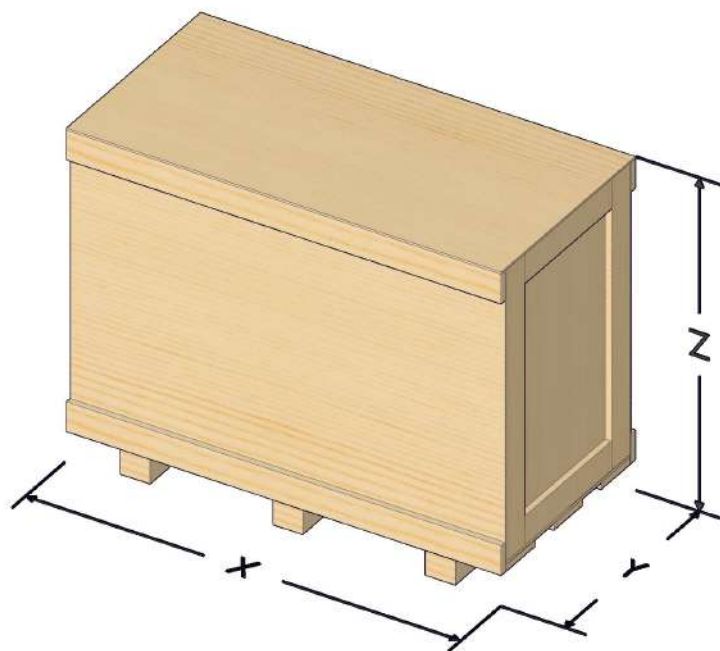
The XLT hood was designed to conform to the requirements of IMC 2015 or current version, which is a Type I hood. It was also designed to have optional fire suppression added to meet requirements of NFPA 96 standard. This was done to allow XLT to better service the requirements of the customer and the associated jurisdictions.

DOMESTIC HOOD CRATES



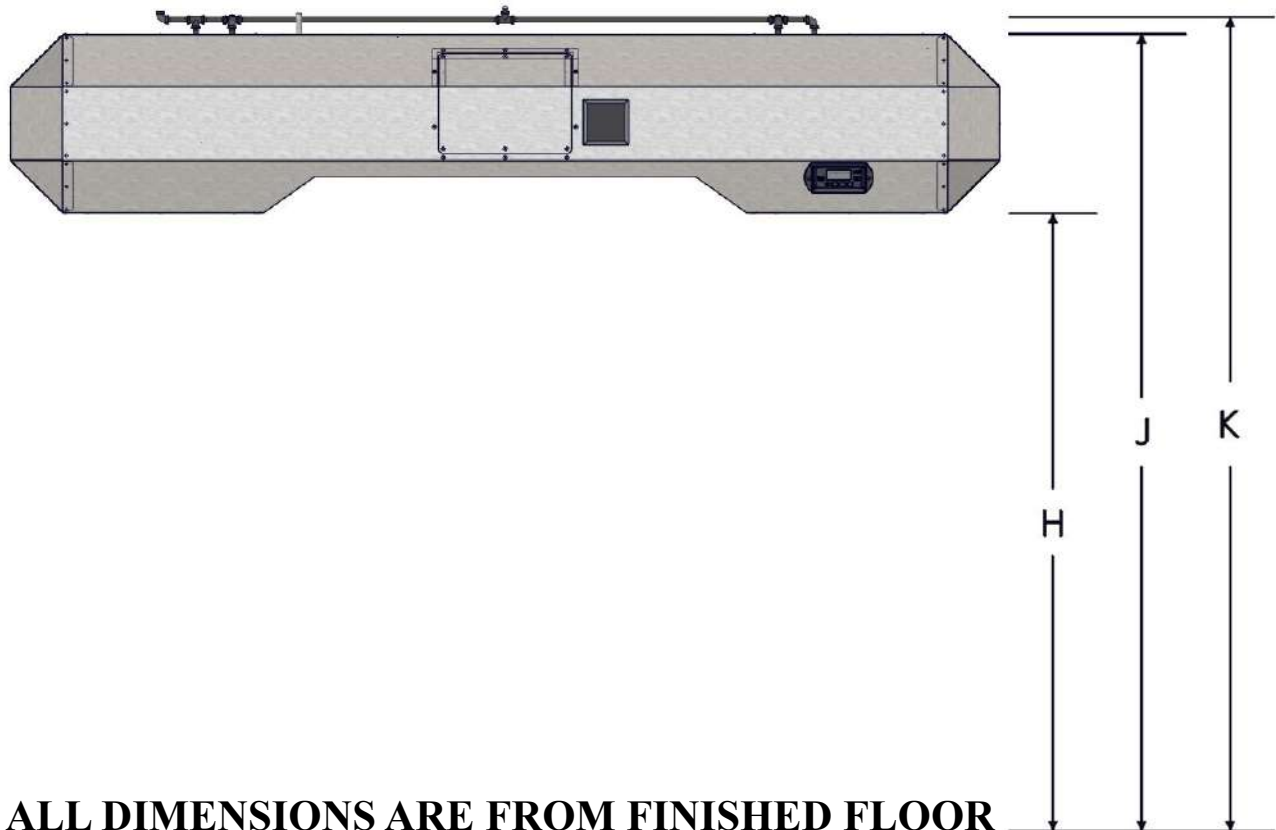
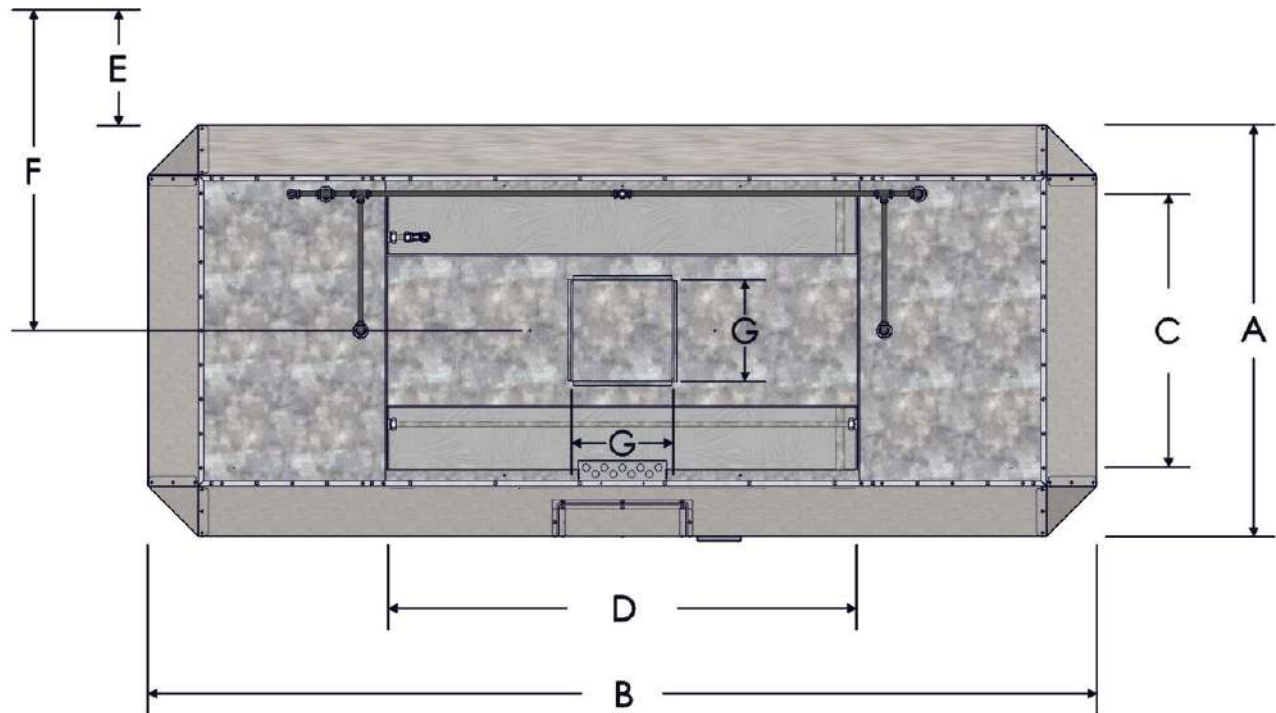
Hood Crate Dimensions			
Oven Model	X	Y	Z (With Hood)
xx32	94 1/4 [2394]	27 [686]	58 3/8 [1483]
xx40	102 1/4 [2597]	27 [686]	64 3/8 [1635]
xx55	117 1/4 [2978]	27 [686]	72 3/8 [1838]
xx70	132 1/4 [3359]	27 [686]	72 3/8 [1838]

SHROUD CRATES



Shroud Crate Dimensions			
Oven Model	X	Y	Z
18xx-1	51 1/4	25 1/2	27 1/2
18xx-2	[1302]	[648]	[699]
18xx-3	66 1/4 [1683]	25 1/2 [648]	27 1/2 [699]
24xx-1	51 1/4	25 1/2	31 1/2
24xx-2	[1302]	[648]	[800]
24xx-3	66 1/4 [1683]	25 1/2 [648]	31 1/2 [800]
32xx-1	51 1/4	25 1/2	39 1/2
32xx-2	[1302]	[648]	[1003]
32xx-3	66 1/4 [1683]	25 1/2 [648]	39 1/2 [1003]
38xx-1	51 1/4	25 1/2	45 1/2
38xx-2	[1302]	[648]	[1156]
38xx-3	66 1/4 [1683]	25 1/2 [648]	45 1/2 [1156]

NOTE: All dimensions in inches [millimeters], ± 1/4 [6], unless otherwise noted.



ALL DIMENSIONS ARE FROM FINISHED FLOOR

Oven Model	Hood Dimensions										Hood Weights			Crated Weight (2 Crates)			
	A	B	C	D	E*	F*	G	H	J	K	Single	Double	Triple	Hood	Single	Double	Triple
1832	34 3/8 [873]	88 5/8 [2251]	18 [457]	32 [813]	13 1/2 [343]	30 5/8 [778]	12 [305]	69 5/8 ±1/8 [1768]	89 7/8 [2283]	91 7/8 [2334]	506 [230]	495 [225]	495 [225]	523 [237]	310 [141]	264 [120]	304 [138]
2440	40 3/8 [1026]	96 5/8 [2454]	24 [610]	40 [1016]		33 5/8 [854]					590 [268]	565 [256]	560 [254]	610 [277]	339 [154]	281 [127]	322 [146]
3240	48 3/8 [1229]	96 5/8 [2454]	32 [813]	40 [1016]		37 5/8 [956]					685 [311]	640 [290]	660 [299]	661 [300]	373 [169]	304 [138]	333 [151]
3255	48 3/8 [1229]	111 5/8 [2835]	32 [813]	55 [1397]		37 5/8 [956]					735 [333]	680 [308]	700 [318]	724 [328]	385 [175]	310 [141]	333 [151]
3270	48 3/8 [1229]	126 5/8 [3216]	32 [813]	70 [1778]		37 5/8 [956]					760 [345]	705 [320]	737 [334]	782 [355]	391 [177]	304 [138]	328 [149]
3855	54 3/8 [1381]	111 5/8 [2835]	38 [965]	55 [1397]		40 5/8 [1032]					795 [361]	730 [331]	745 [338]	764 [347]	408 [185]	310 [141]	339 [154]
3870	54 3/8 [1381]	126 5/8 [3216]	38 [965]	70 [1778]		40 5/8 [1032]					825 [374]	770 [349]	770 [349]	828 [376]	419 [190]	322 [146]	345 [156]

Exhaust Fan And Curb Dimensions			Crated Weight (Stacked)
31 [787]	31 [787]	67 [1702]	185 [84]

 * E and F are the minimum distances from a non combustible wall structure.

NOTE

NOTE: All dimensions in inches [millimeters], ± 1/4 [6], unless otherwise noted.
All weights in pounds [kilograms] unless otherwise noted.

Exhaust Flow Rates VOLUME (min. recommended)							
	Controls On			18xx	24xx	32xx	38xx
	Top	Middle	Bottom				
Single	X			500	500	500	500
				[14.16]	[14.16]	[14.16]	[14.16]
Double	X			500	500	500	500
				[14.16]	[14.16]	[14.16]	[14.16]
			X	506	644	828	966
				[14.33]	[18.24]	[23.45]	[27.35]
	X		X	506	644	828	966
				[14.33]	[18.24]	[23.45]	[27.35]
Triple	X			500	500	500	500
				[14.16]	[14.16]	[14.16]	[14.16]
		X		506	644	828	966
				[14.33]	[18.24]	[23.45]	[27.35]
			X	766	975	1254	1463
				[21.69]	[27.61]	[35.51]	[41.43]
	X	X		506	644	828	966
				[14.33]	[18.24]	[23.45]	[27.35]
	X		X	766	975	1254	1463
				[21.69]	[27.61]	[35.51]	[41.43]
		X	X	766	975	1254	1463
				[21.69]	[27.61]	[35.51]	[41.43]
	X	X	X	766	975	1254	1463
				[21.69]	[27.61]	[35.51]	[41.43]

**NOTE**

All values are CFM [M3/Min] unless otherwise noted. Figures represent TOTAL VOLUME measured at the duct.

In accordance with mechanical codes, make up air must be supplied. For commercial kitchen make up air, the amount is determined by the exhaust hood flow rate requirements & all other exhaust flow rate requirements in the kitchen.

At a minimum, smoke candles must be used for a Capture & Containment (C&C) test. Refer to the Ventilation Requirements disclosed in the Oven section in this manual.

A Test & Balance (TAB) report is recommended after installation has been completed. Below are the minimum items to be included in this report:

- Total airflow on all A/C, Make-Up Air (MUA), & exhaust systems.
- Airflow on each supply & exhaust grille.
- Airflows on exhaust hoods compared to design specifications.

A final air balance report, with any corrections of issues found in the report, will help to insure that your building systems are functioning properly & efficiently.

[Refer to “Oven Ventilation Requirements & Guidelines”](#)

Exhaust Flow Rates VELOCITY (min. recommended)							
	Controls On			18xx	24xx	32xx	38xx
	Top	Middle	Bottom				
Single	X			187.5	187.5	93.75	93.75
				[57.15]	[57.15]	[28.58]	[28.58]
Double	X			187.5	187.5	93.75	93.75
				[57.15]	[57.15]	[28.58]	[28.58]
			X	189.75	241.5	155.25	181.125
				[57.84]	[73.61]	[47.32]	[55.21]
	X		X	189.75	241.5	155.25	181.125
				[57.84]	[73.61]	[47.32]	[55.21]
Triple	X			187.5	187.5	93.75	93.75
				[57.15]	[57.15]	[28.58]	[28.58]
		X		189.75	241.5	155.25	181.125
				[57.84]	[73.61]	[47.32]	[55.21]
			X	287.25	365.625	235.125	274.3125
				[87.55]	[111.44]	[71.67]	[83.61]
	X	X		189.75	241.5	155.25	181.125
				[57.84]	[73.61]	[47.32]	[55.21]
	X		X	287.25	365.625	235.125	274.3125
				[87.55]	[111.44]	[71.67]	[83.61]
		X	X	287.25	365.625	235.125	274.3125
				[87.55]	[111.44]	[71.67]	[83.61]
	X	X	X	287.25	365.625	235.125	274.3125
				[87.55]	[111.44]	[71.67]	[83.61]

 **NOTE** All values are FPM [M/Min] unless otherwise noted. Figures represent VELOCITY measured at the Grease Filter.

 **NOTE** Verify through building codes what the minimum required CFM velocity is and that it is greater than the values listed in the above table for the size and quantity of ovens in below the hood.

The VELOCITY readings above are obtained by holding an anemometer 3" away from the Grease Filter. Take several readings in different locations across the filters and average the results.

Inputs into Electrical

XLT Hood Electric Utility Specifications			
	# of Circuits	Rating	Purpose
Standard	1	208/240 VAC, 1 Phase, 60 Hz, 6 Amp	VFD Controller
	up to 3	120 VAC, 1 Phase, 60 Hz, 20 Amp	Ovens

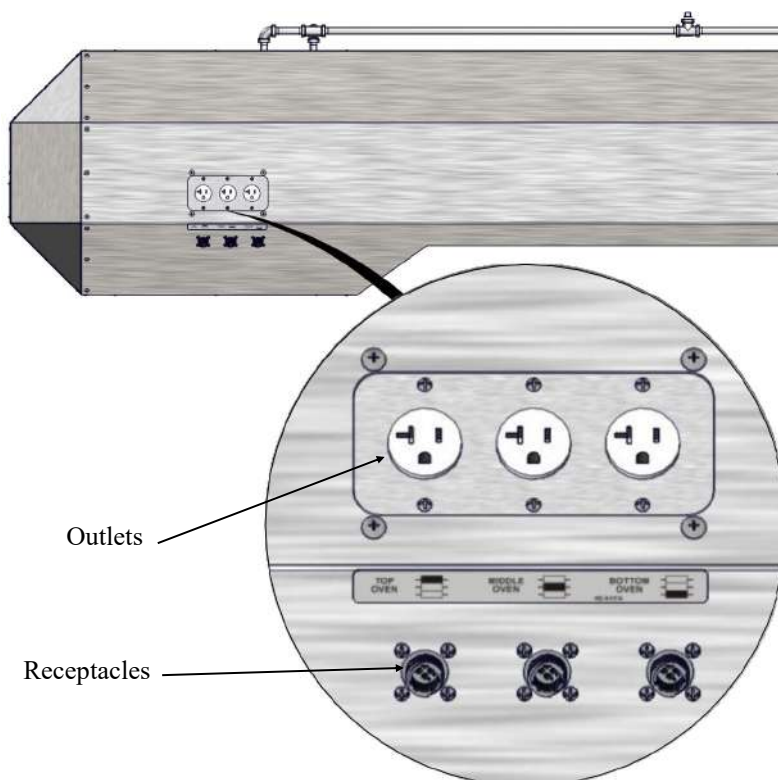
**CAUTION**

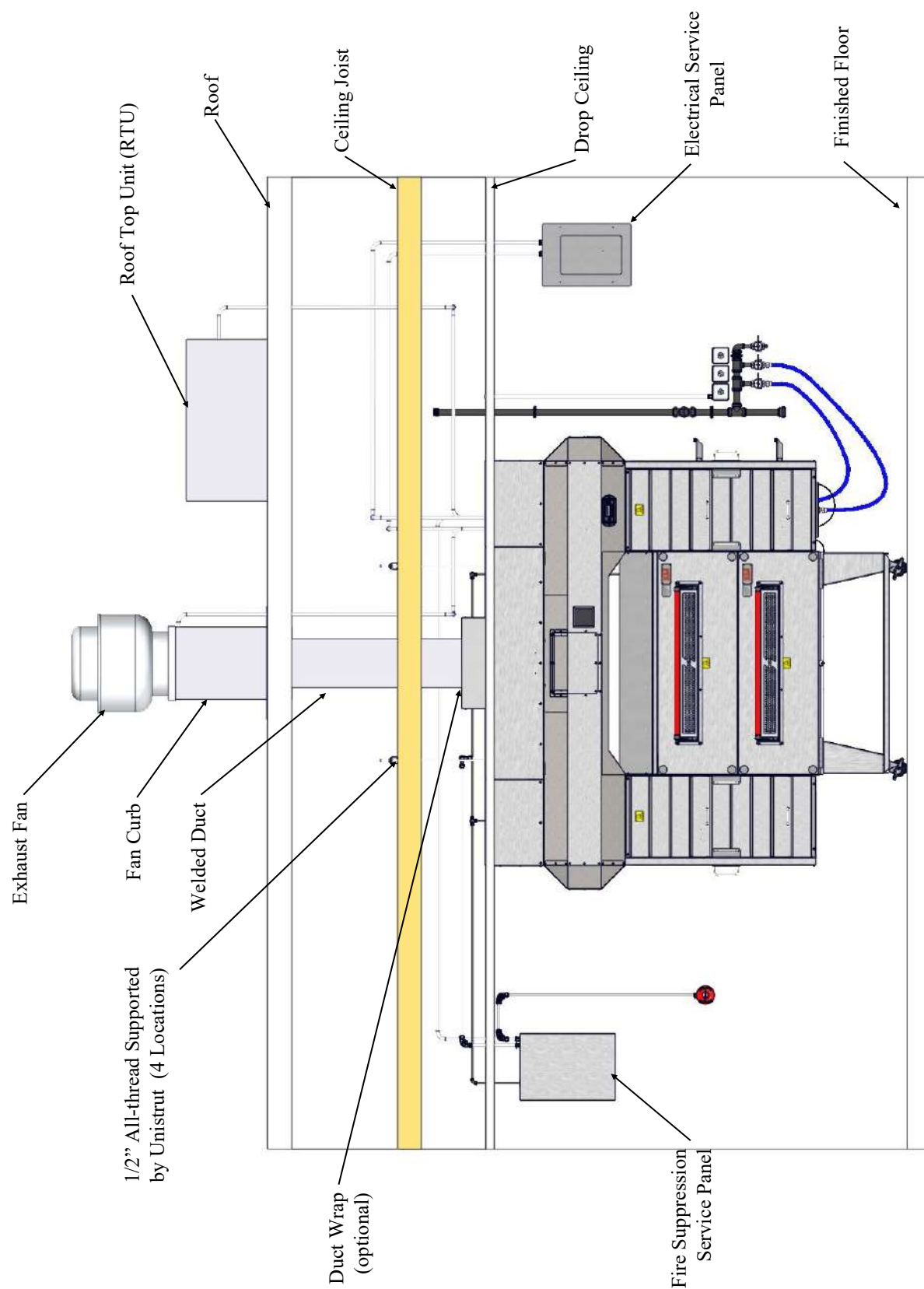
Do not connect to 3 Phase power. 1 Phase Only.

Outputs from Electrical

The XLT Hood system provides:

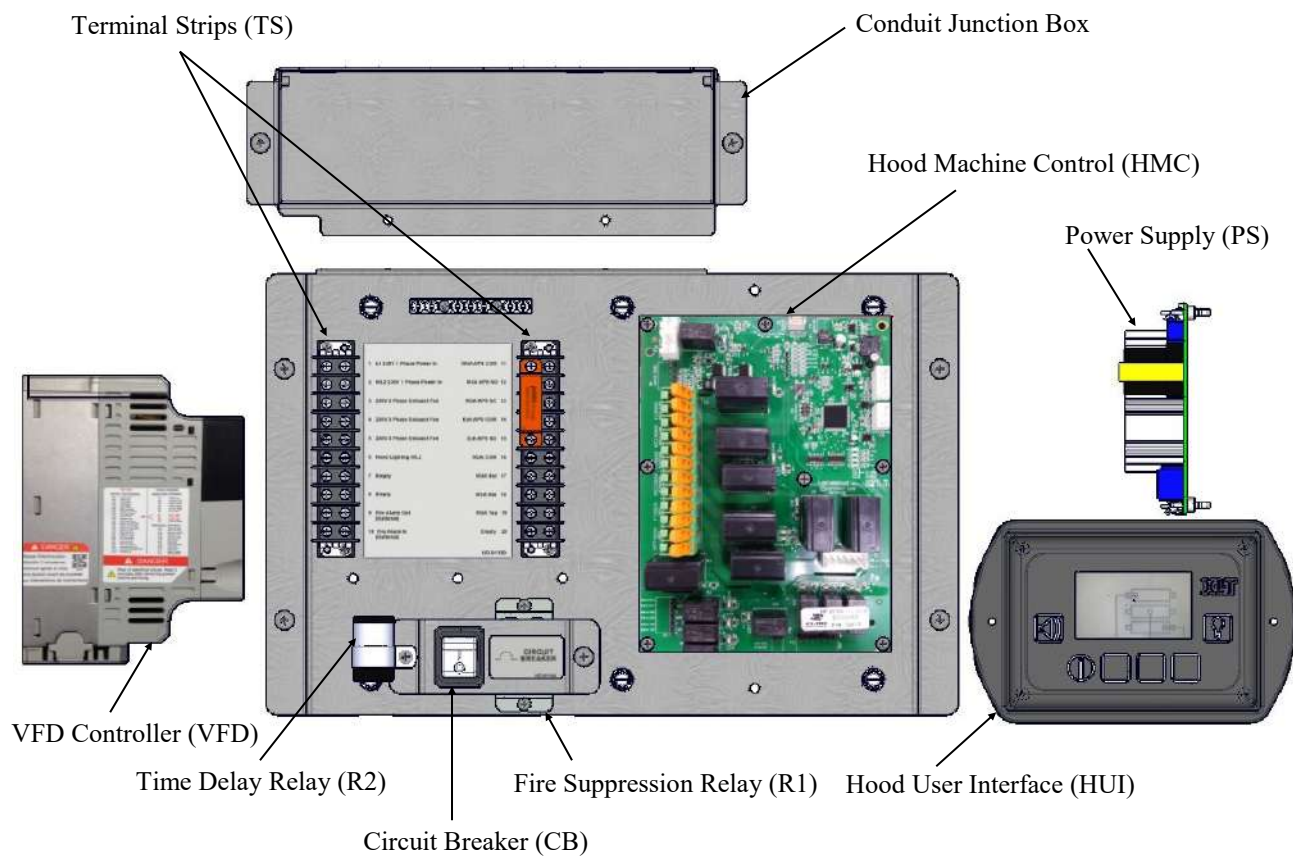
- Up to three (3) switching outputs for HVAC damper and/or dedicated unit.
- One (1) 230 VAC, 10 Amp, variable frequency, three phase power output for the ventilation exhaust fan.
- Up to three (3) receptacles for ovens.
- One (1) 24 VDC fire alarm signal.
- Relocation cord will physically connect into oven.





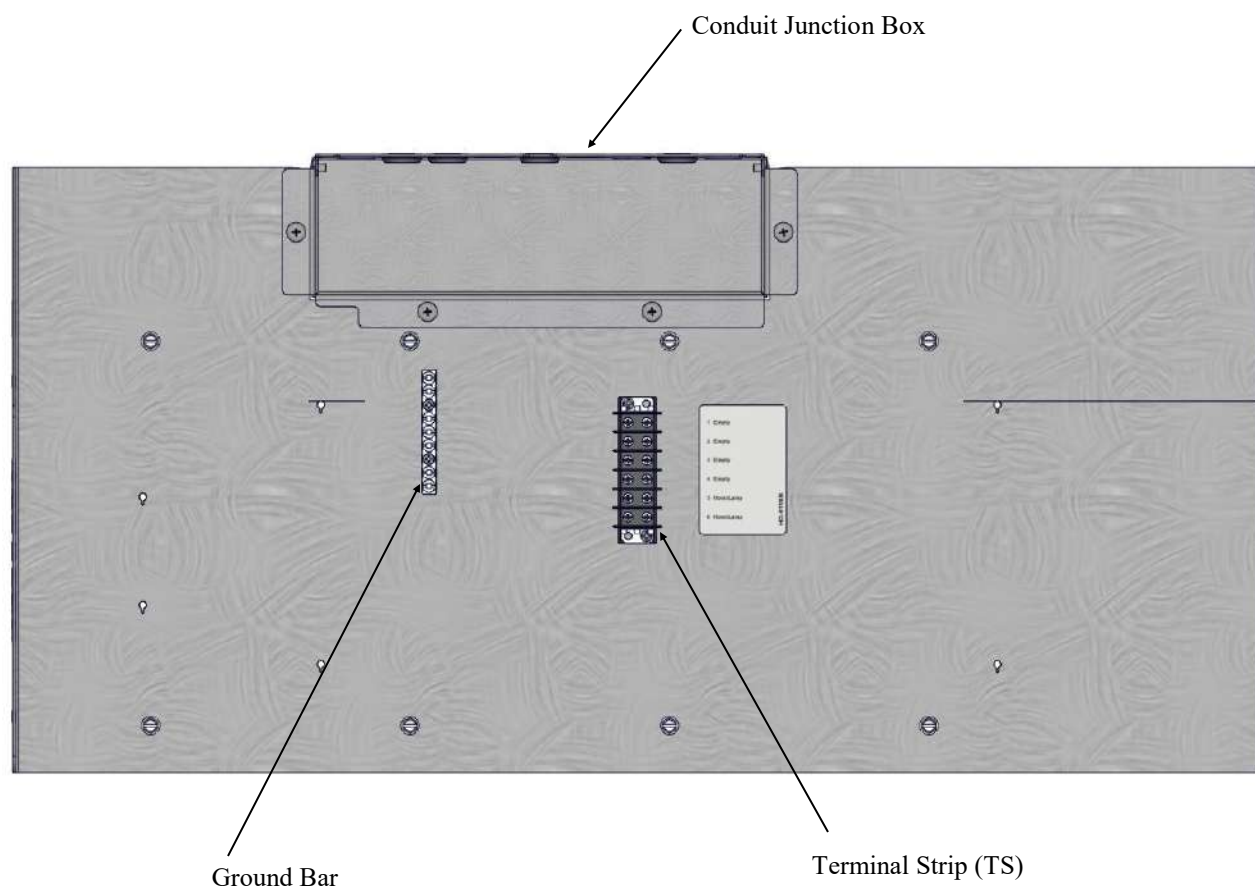
All structural members, electrical & fire suppression equipment shown for reference only.

VFD Control Box

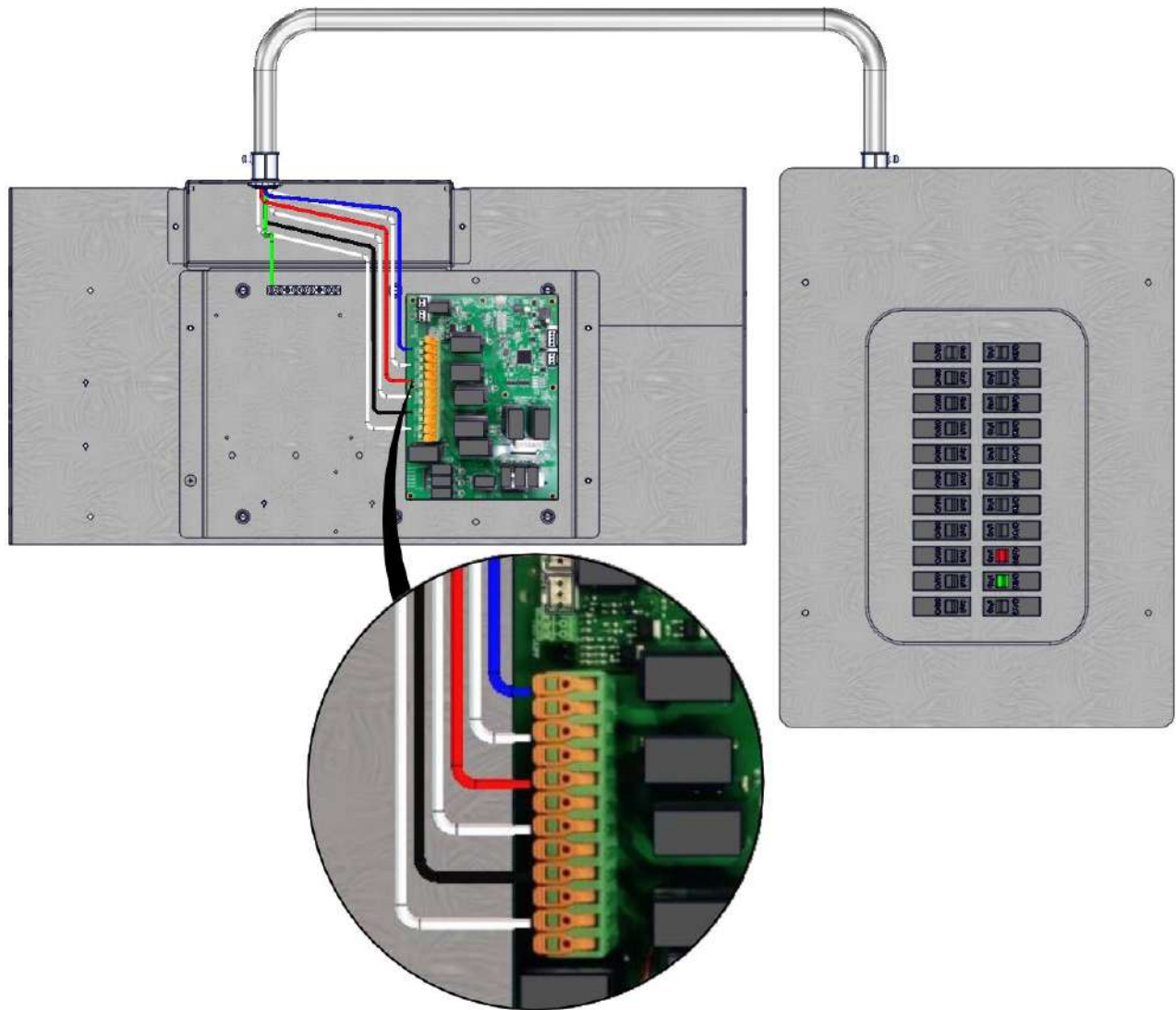


VFD Control Box (Cover removed)

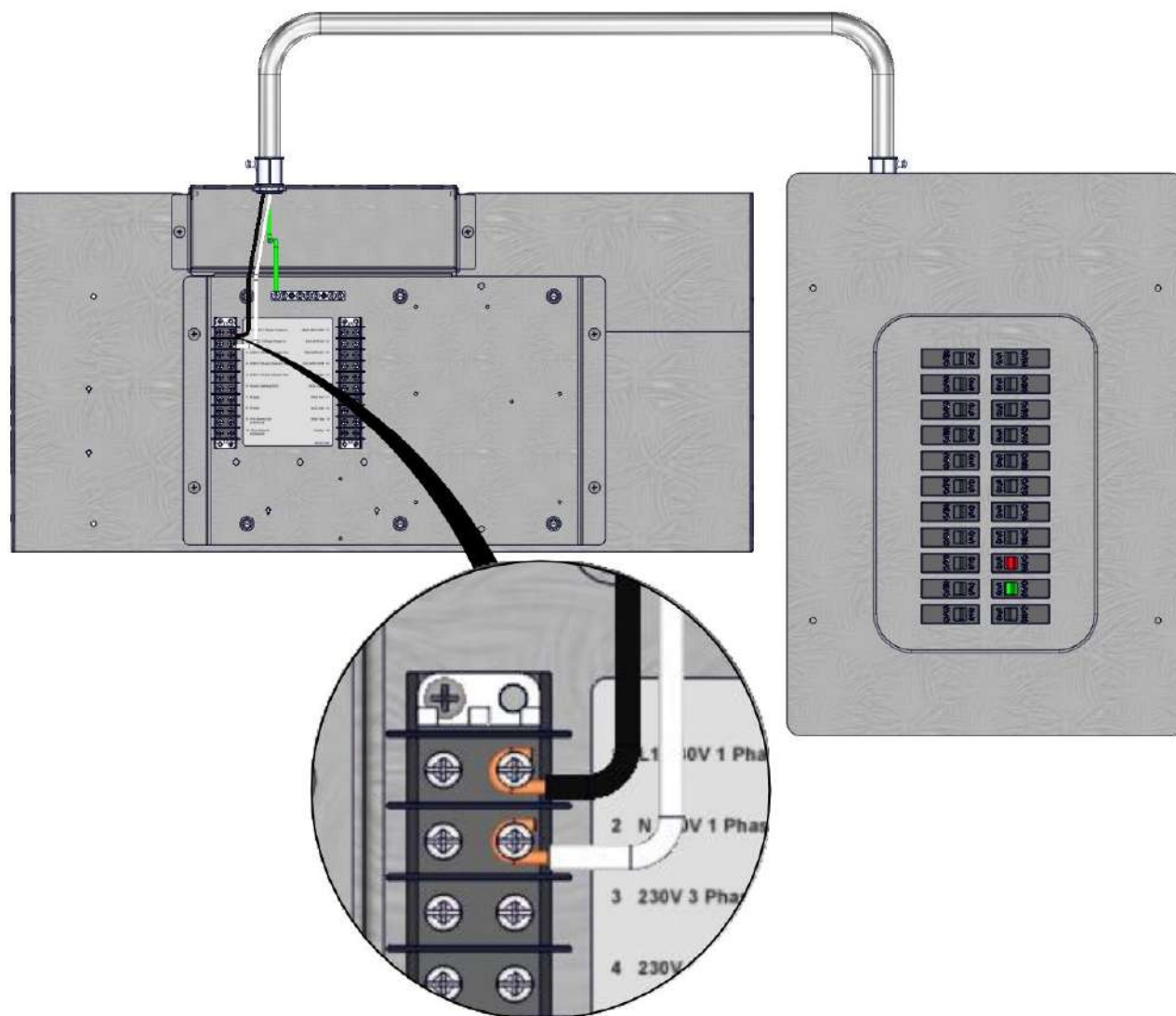
Non VFD Control Box

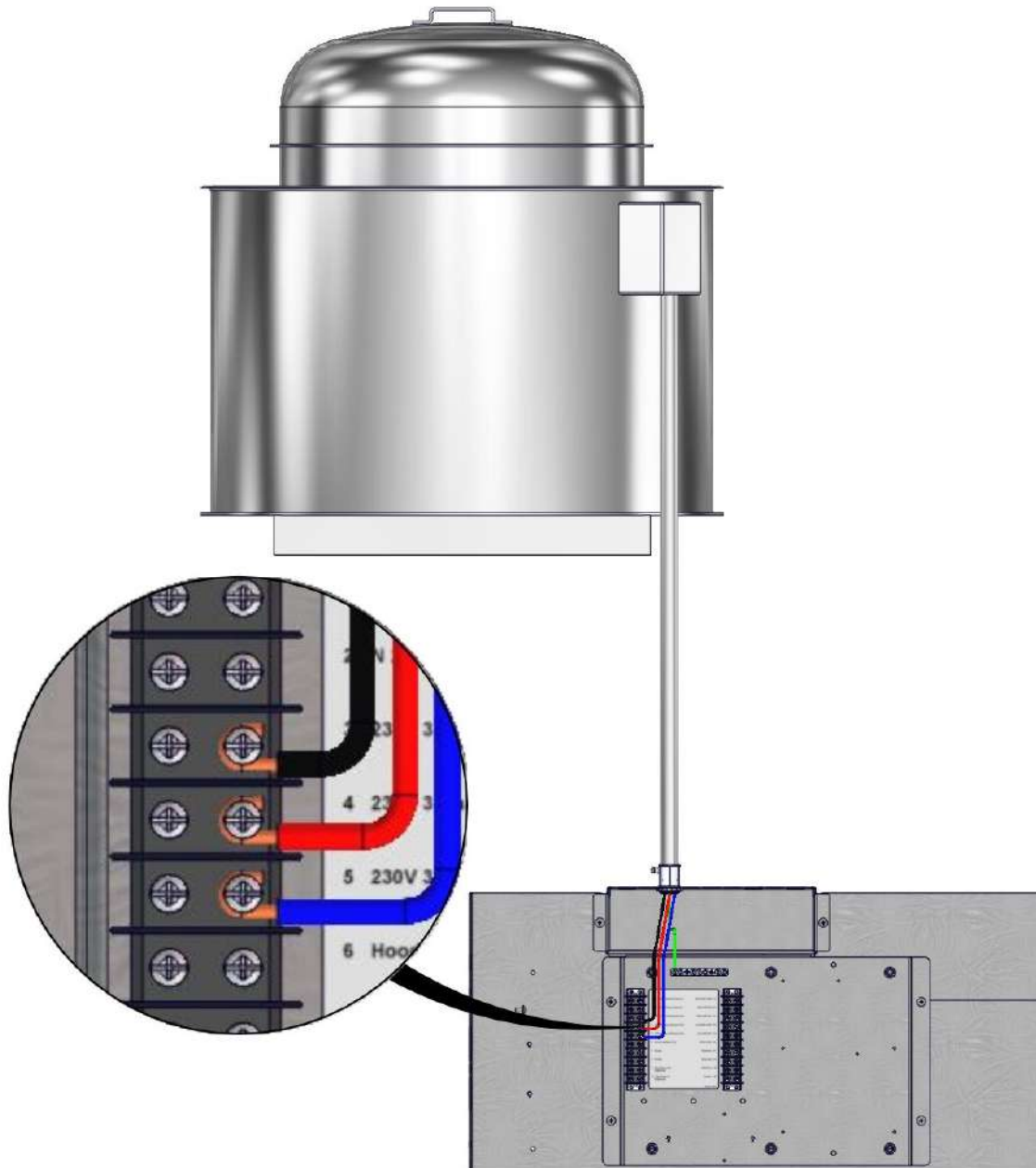


Input Power to Ovens - Standard (120V)

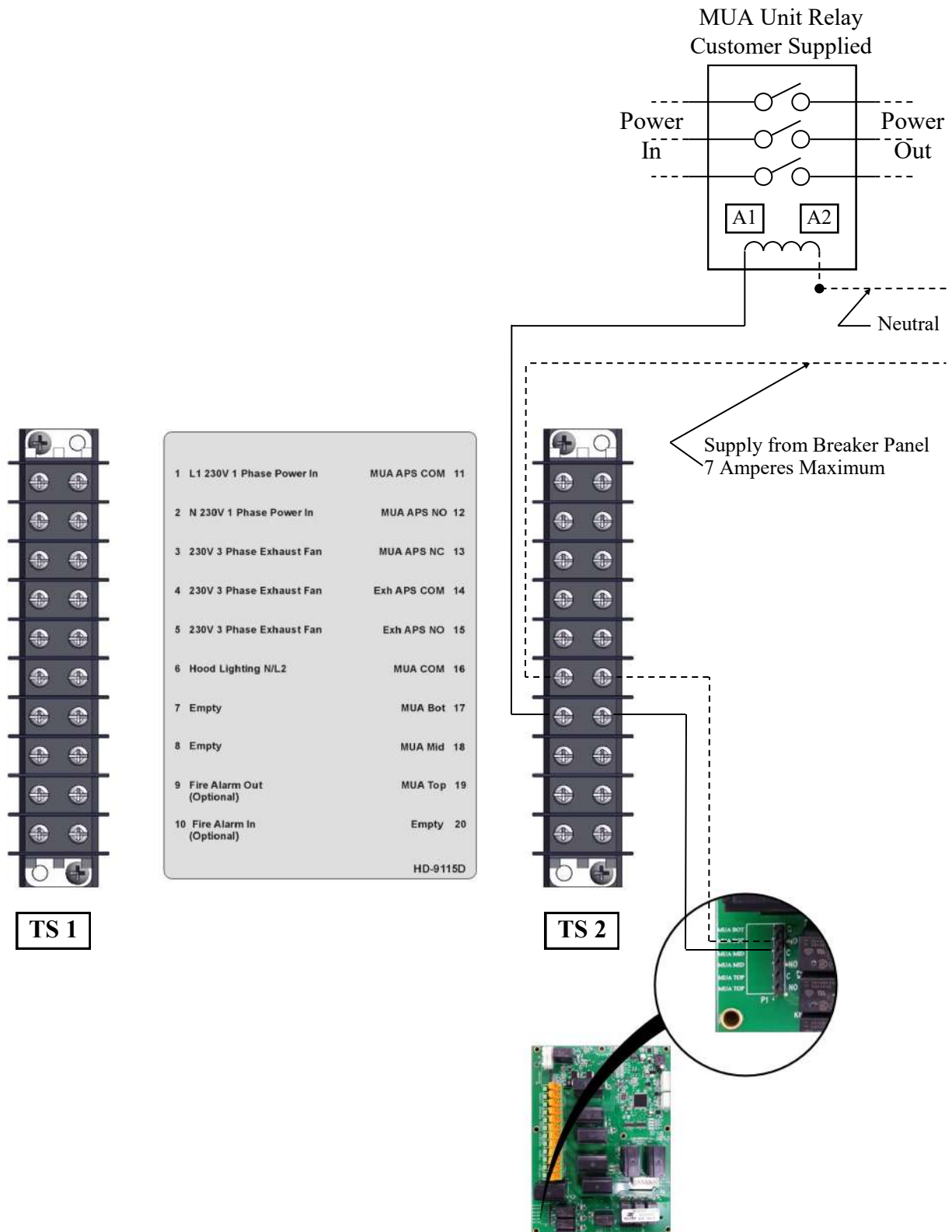


Input Power to VFD Controller - Standard (230V / 60Hz)



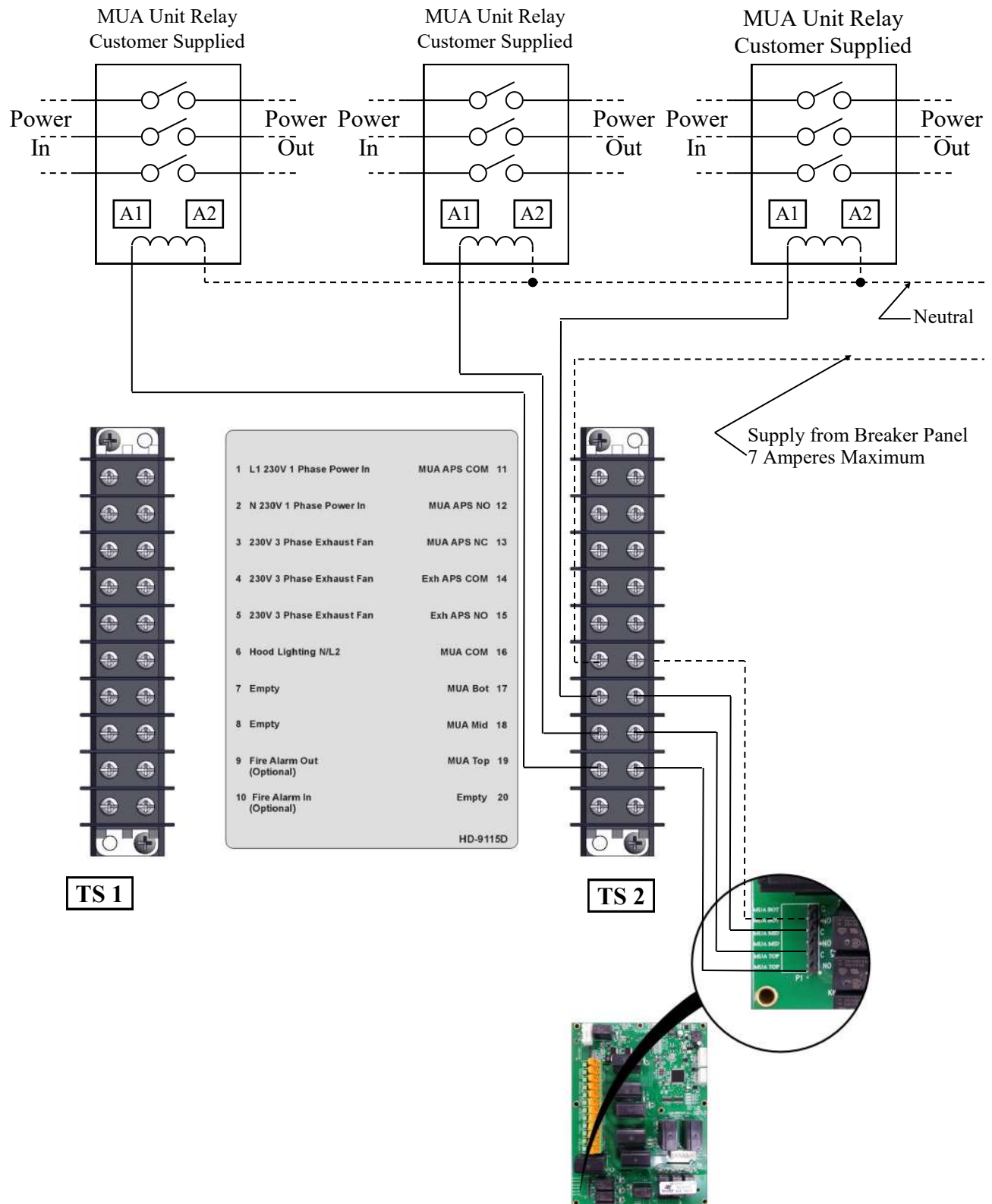
Output Power from VFD to Exhaust Fan - Standard

MUA Damper Relays - Single Output - Voltage & Frequency



Some wiring removed for clarity. See schematic for details.

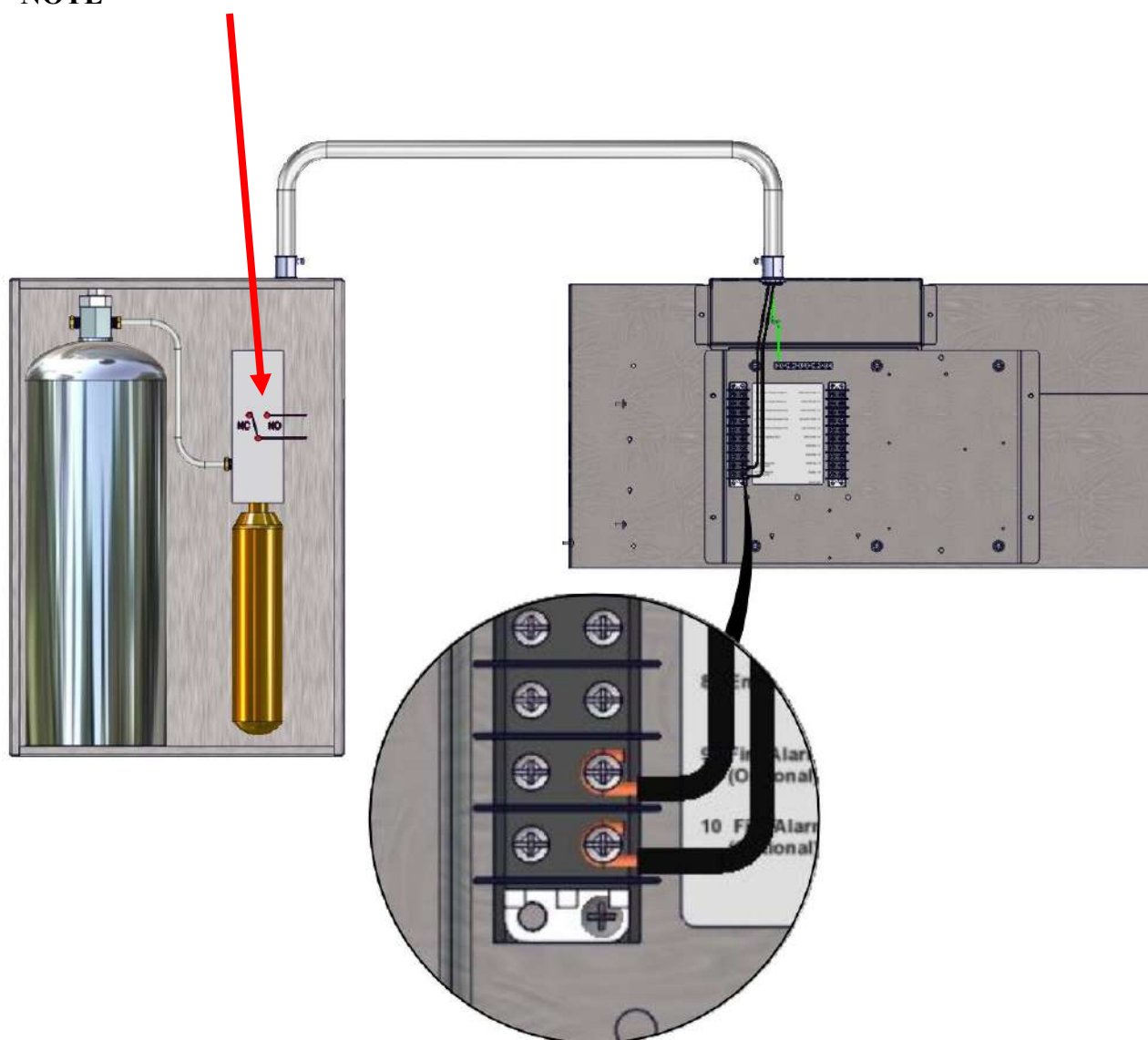
MUA Damper Relays - Multiple Output - Voltage & Frequency



Some wiring removed for clarity. See schematic for details.

Fire Alarm Relay - Voltage & Frequency

NOTE  Connect wires from the Junction Box to the Normally Open (NO) contacts in the Fire Suppression cabinet.



**DANGER**

Oven must be cool and the electric cord unplugged before hood assembly begins

**CAUTION**

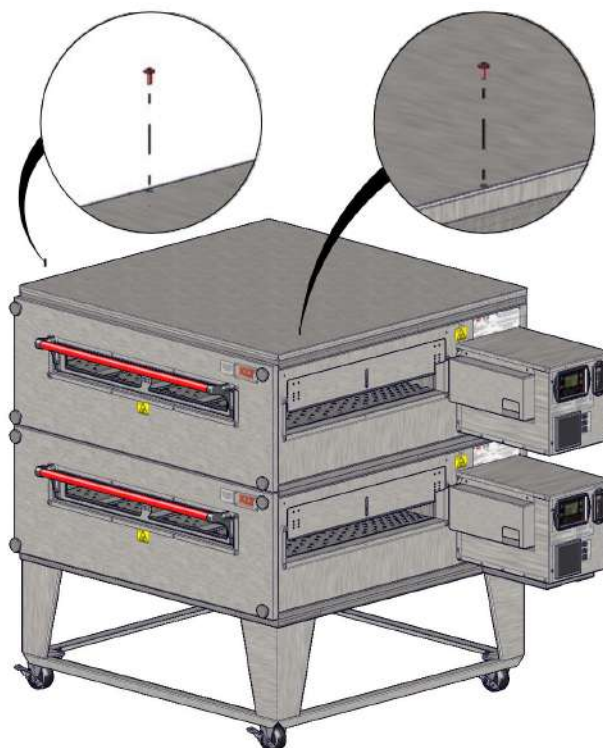
If the oven is to be removed from its installed location for hood assembly and installation, the following procedure is to be followed:

1. Shut off main manual gas valve
2. Unplug electric cord
3. Unplug gas line
4. Unlock casters
5. Disconnect restraint
6. When hood assembly is complete, move oven to original location
7. Connect restraint
8. Lock casters
9. Plug in electric cord
10. Plug in gas line
11. Turn manual gas valve on
12. Follow normal lighting instructions

**TIP**

Read and understand the next 19 pages first. They illustrate how to install the components of the hood and shroud.

Prepare Ovens - Remove Lid Screws - Two (2) Only

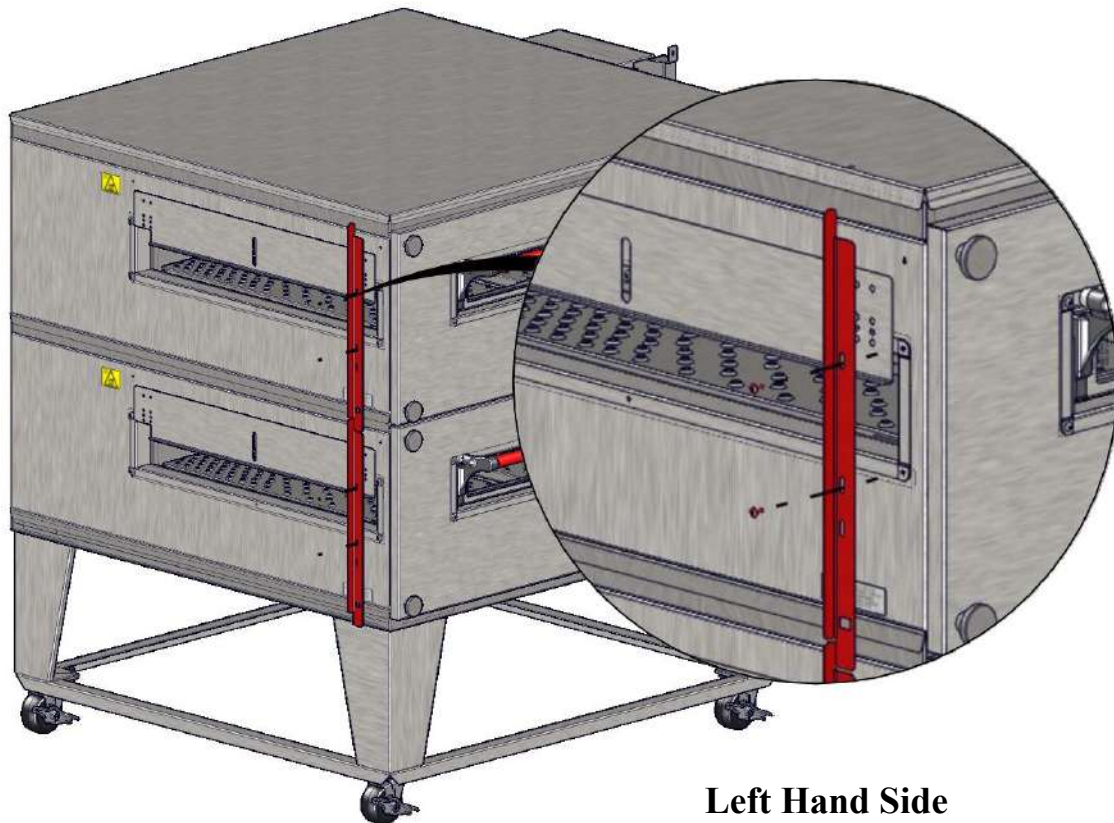


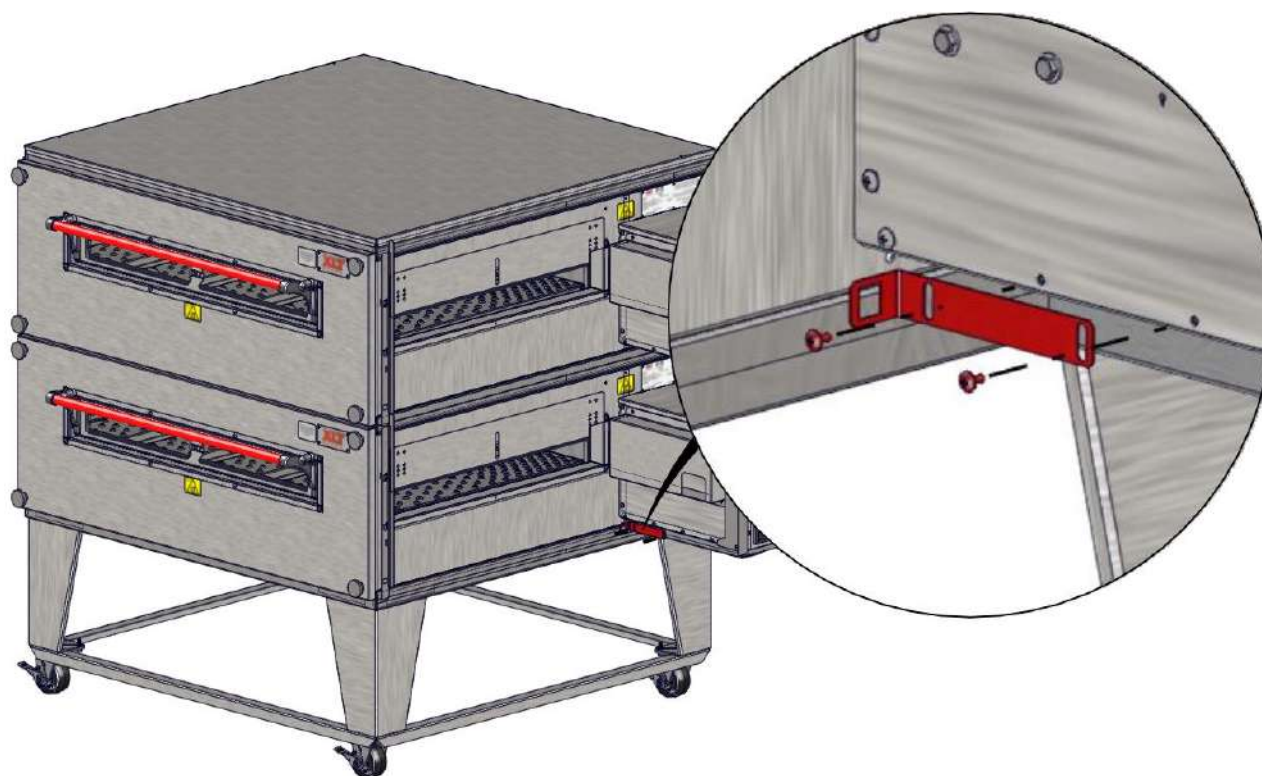
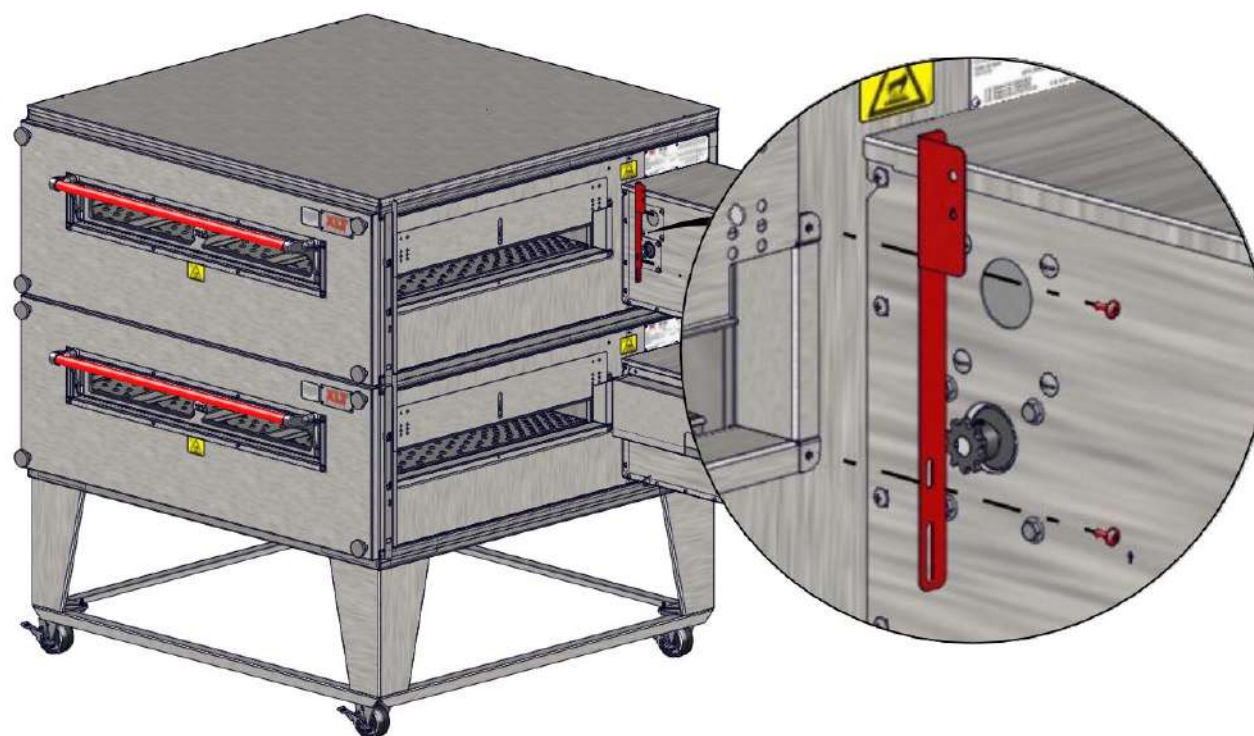
Prepare Ovens - Control Box Closeout Bracket



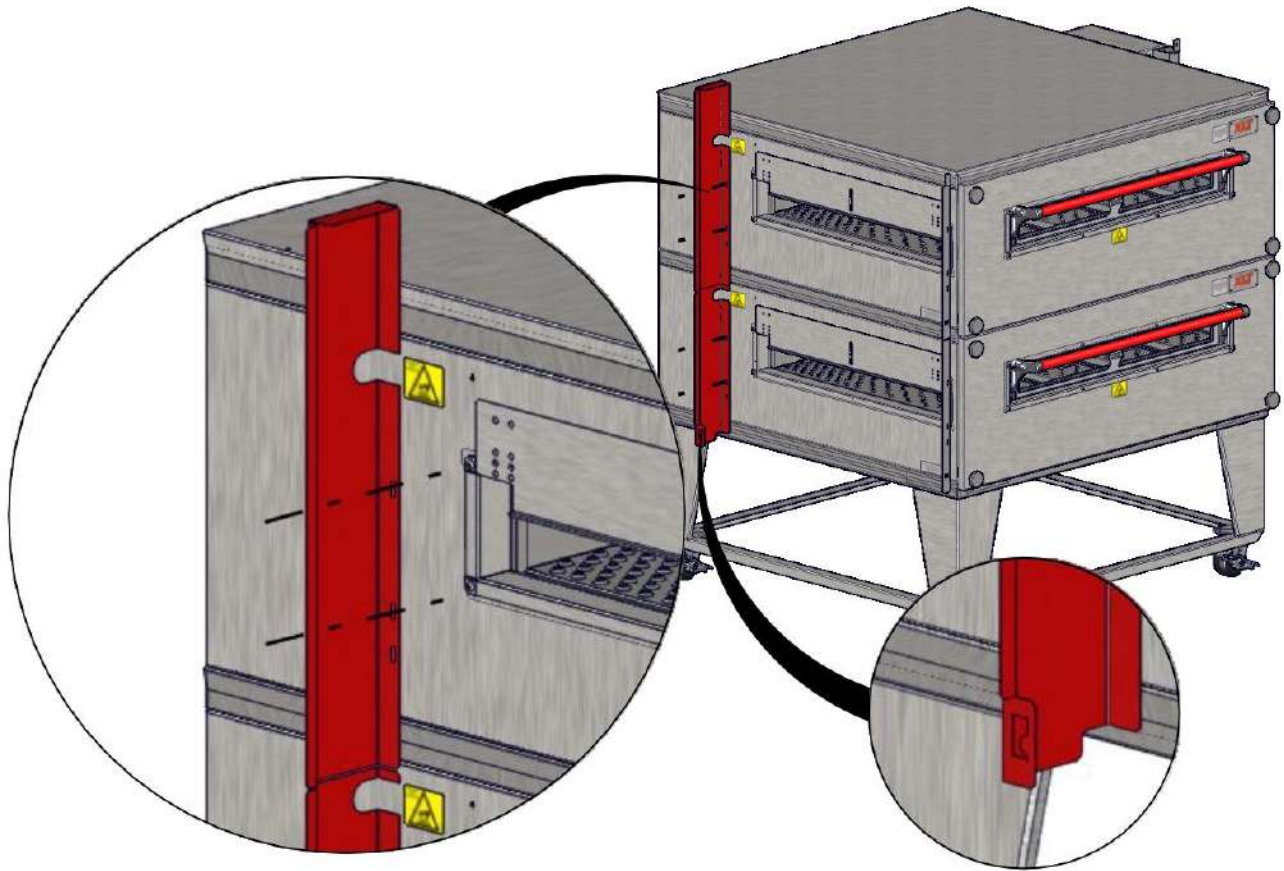
 Conveyors have been removed for clarity

NOTE

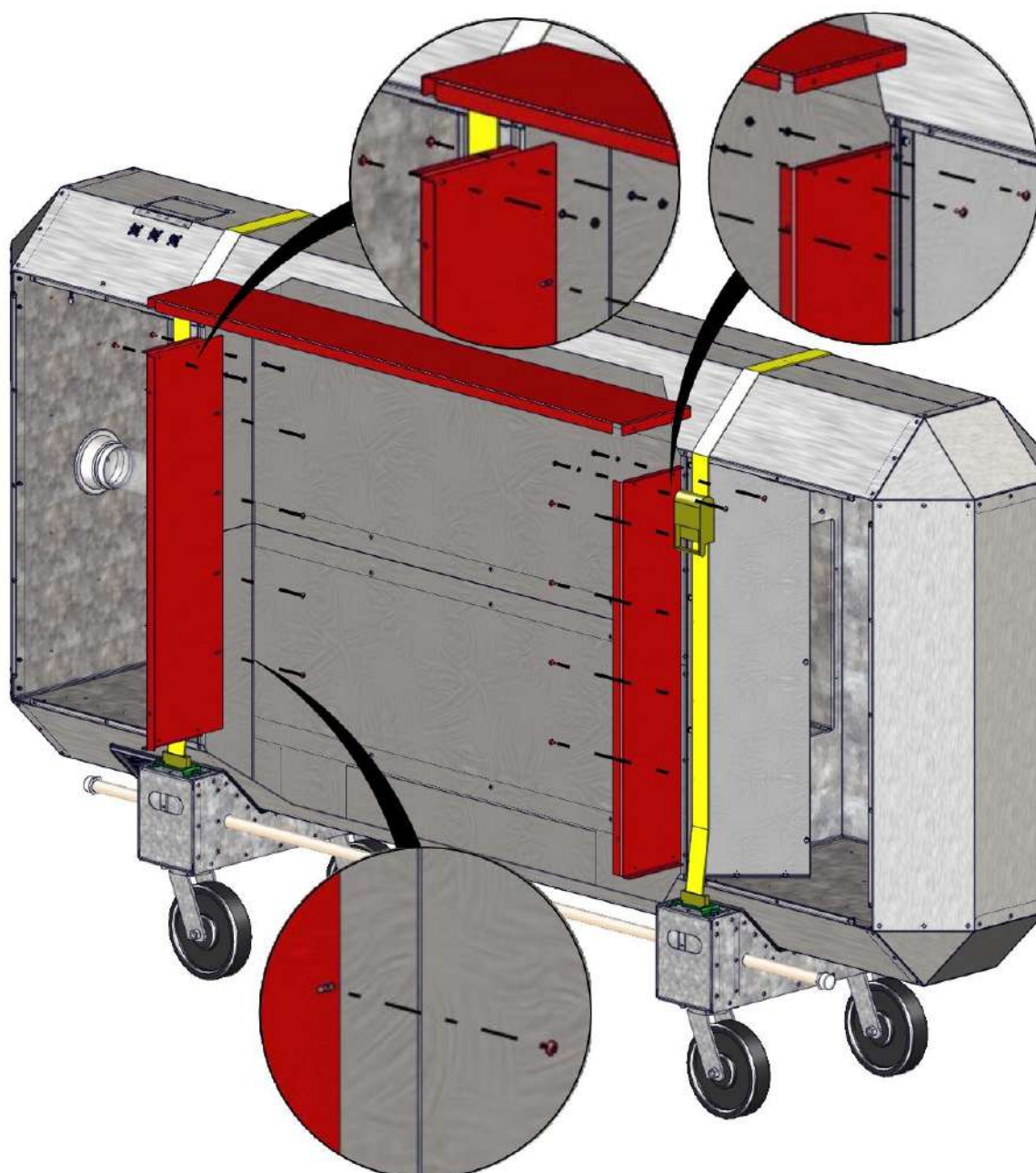
Prepare Ovens - Front Shroud Brackets**Right Hand Side****Left Hand Side**

Prepare Ovens - Bottom Rail Bracket**Prepare Ovens - Control Box Side Closeout**

Prepare Ovens - Rear Shroud Brackets

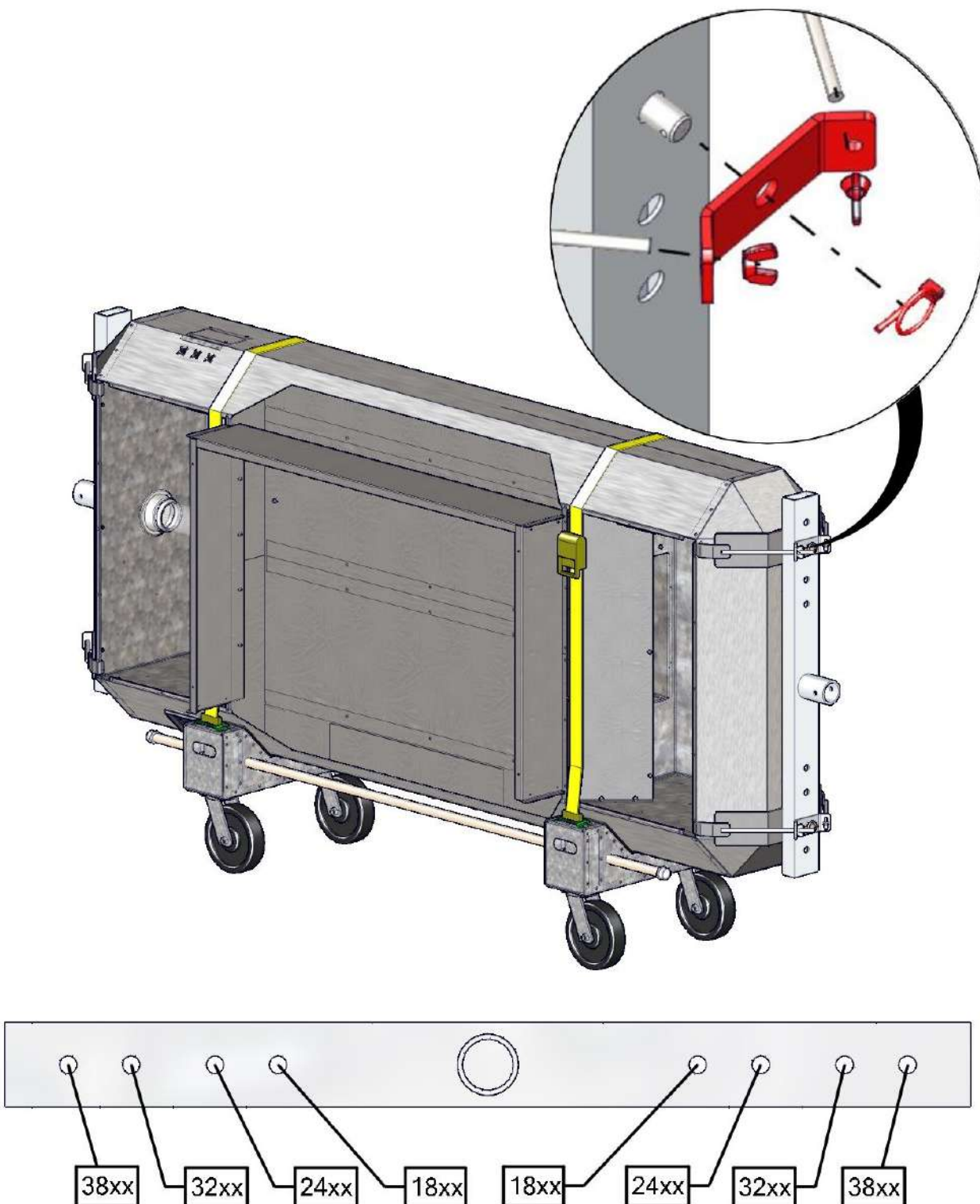


Prepare Hood



Lifting Gear Setup

XLT hoods can easily be moved and stacked with the proper lifting equipment. The use of XLT approved lifting equipment is highly recommended. Contact XLT for more information.



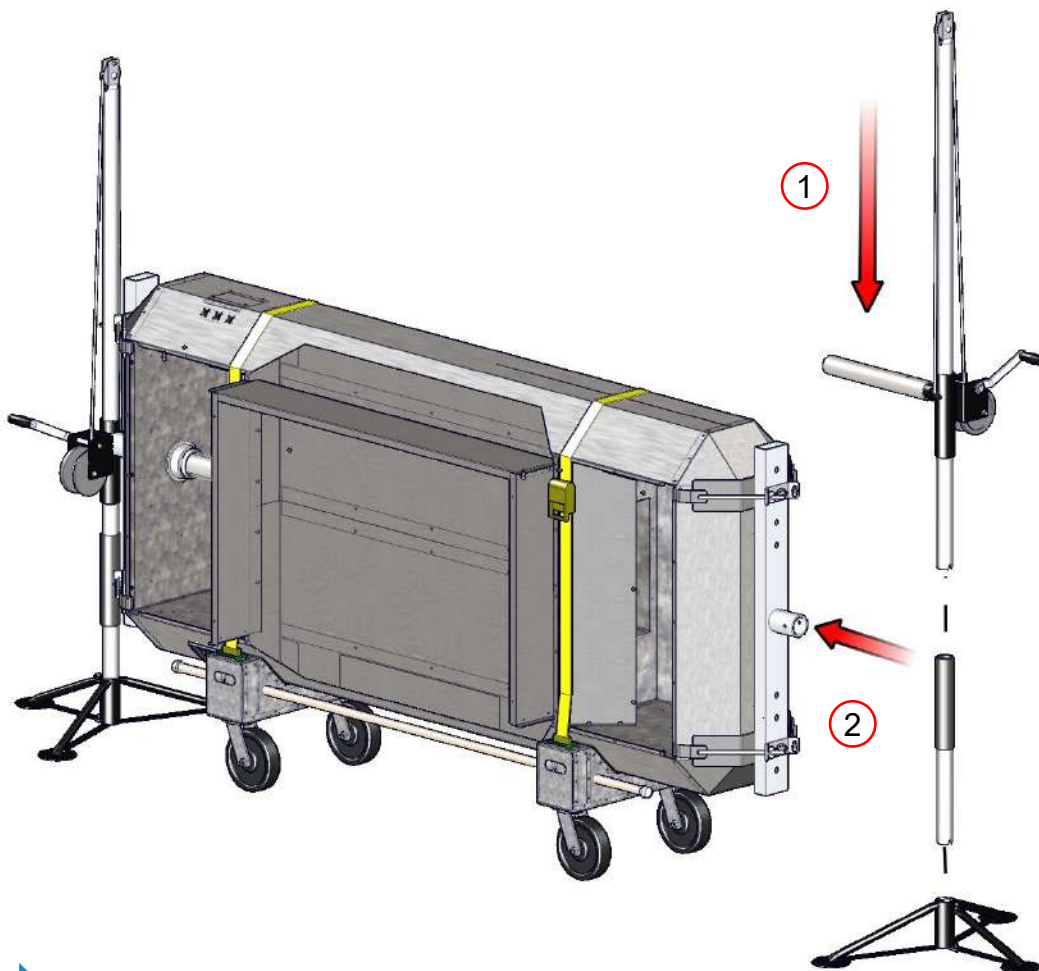
Lifting Jack Setup

**DANGER**

- Inspect cable prior to each use.
- If cable is frayed or shows signs of excessive wear & tear, DO NOT USE until cable is replaced.
- Check for smooth operation. The cable should not be pinched & should pass smoothly over the pulley on top of the pole assembly.
- At a minimum replace the cable annually with wire rope that meets or exceeds the jack manufacturer's specifications.
- Do not exceed the stated capacity of the jack.

**DANGER**

Failure to engage the Lifting Jacks into the Lifting Pipe properly and completely will result in damage, injury, or death from a falling hood.



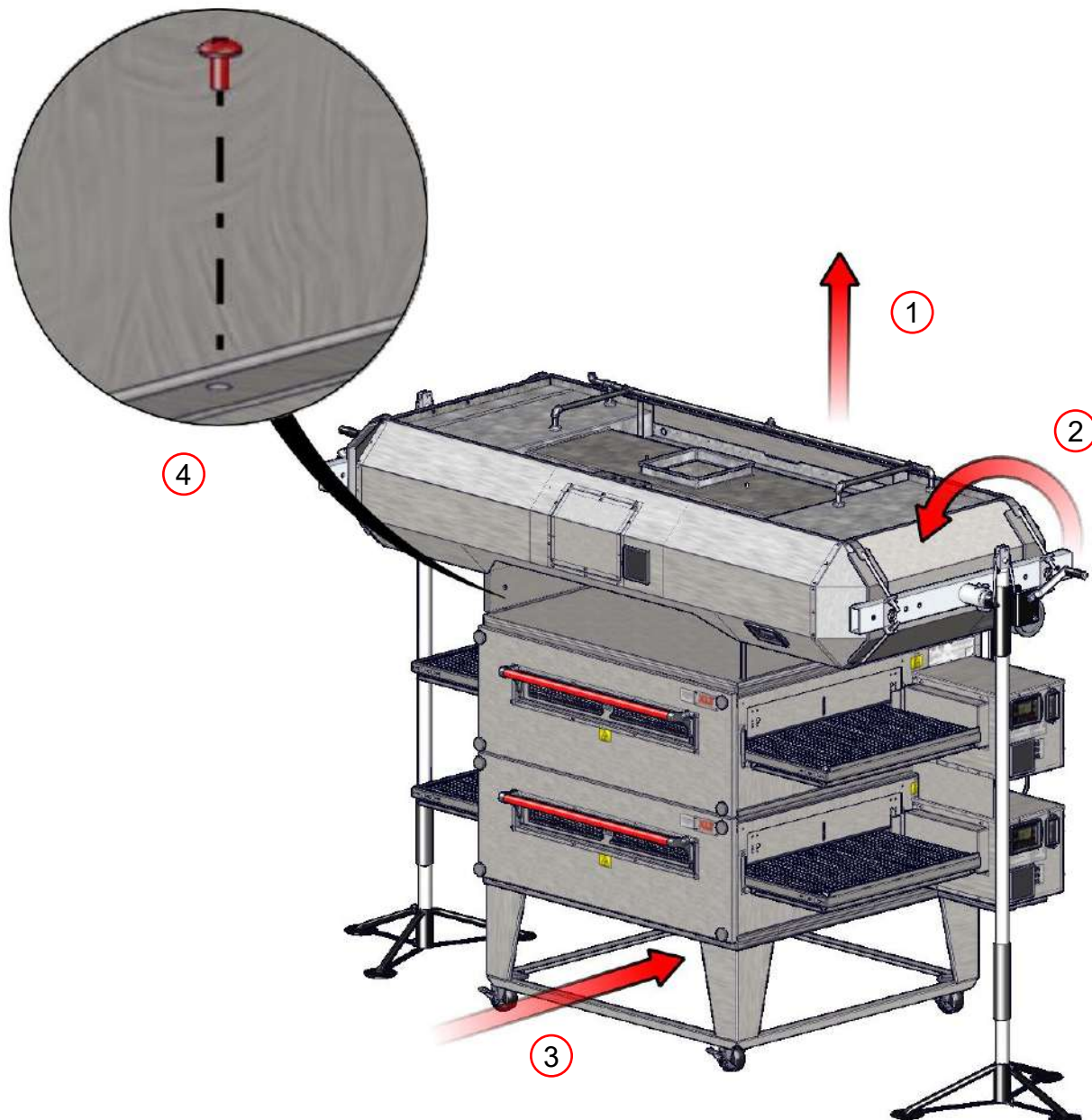
The folding leg of the tripod must be positioned outwards from the oven.

NOTE

Stacking Hood on the Ovens

**DANGER**

- Both jacks should be raised in unison, otherwise they may bind and a dangerous situation will develop.
- Do not put any part of yourself under the hood at any time.
- The hood is top heavy. Be careful.

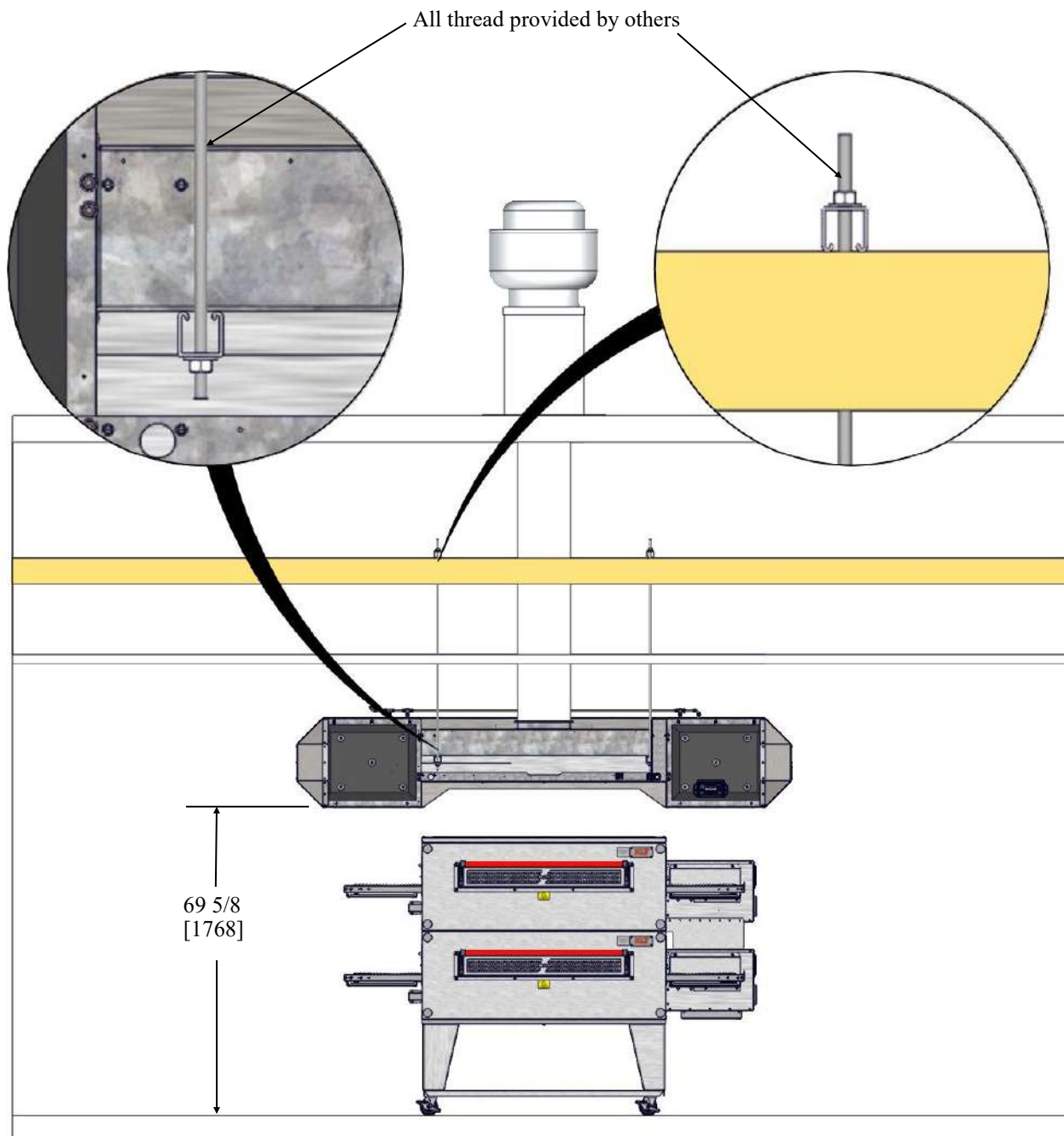


Hang Hood From Ceiling Joists



DANGER

Hood Must Be Suspended From Ceiling Joists

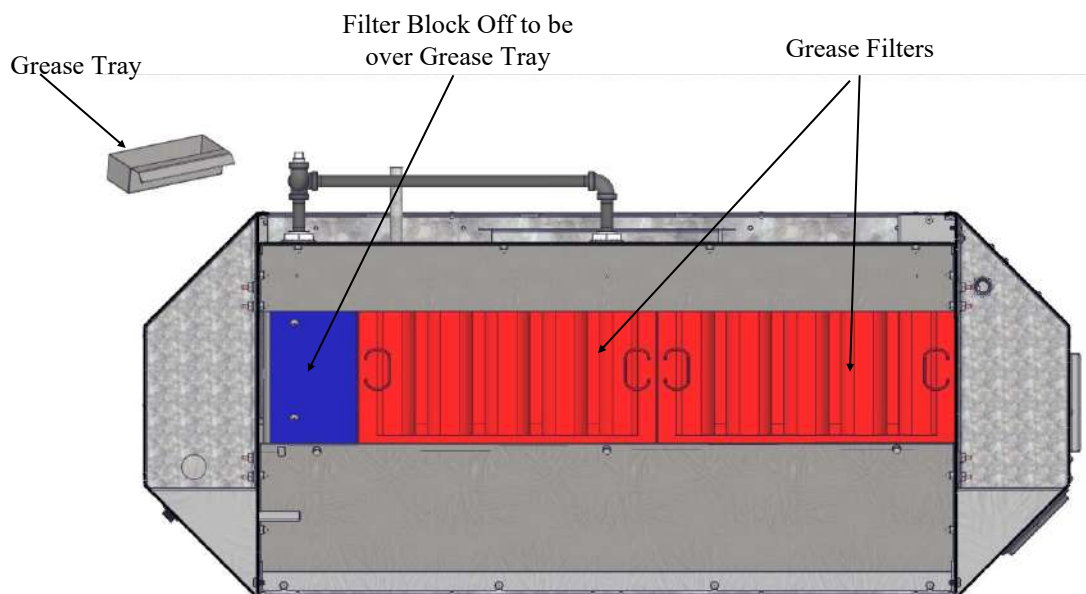
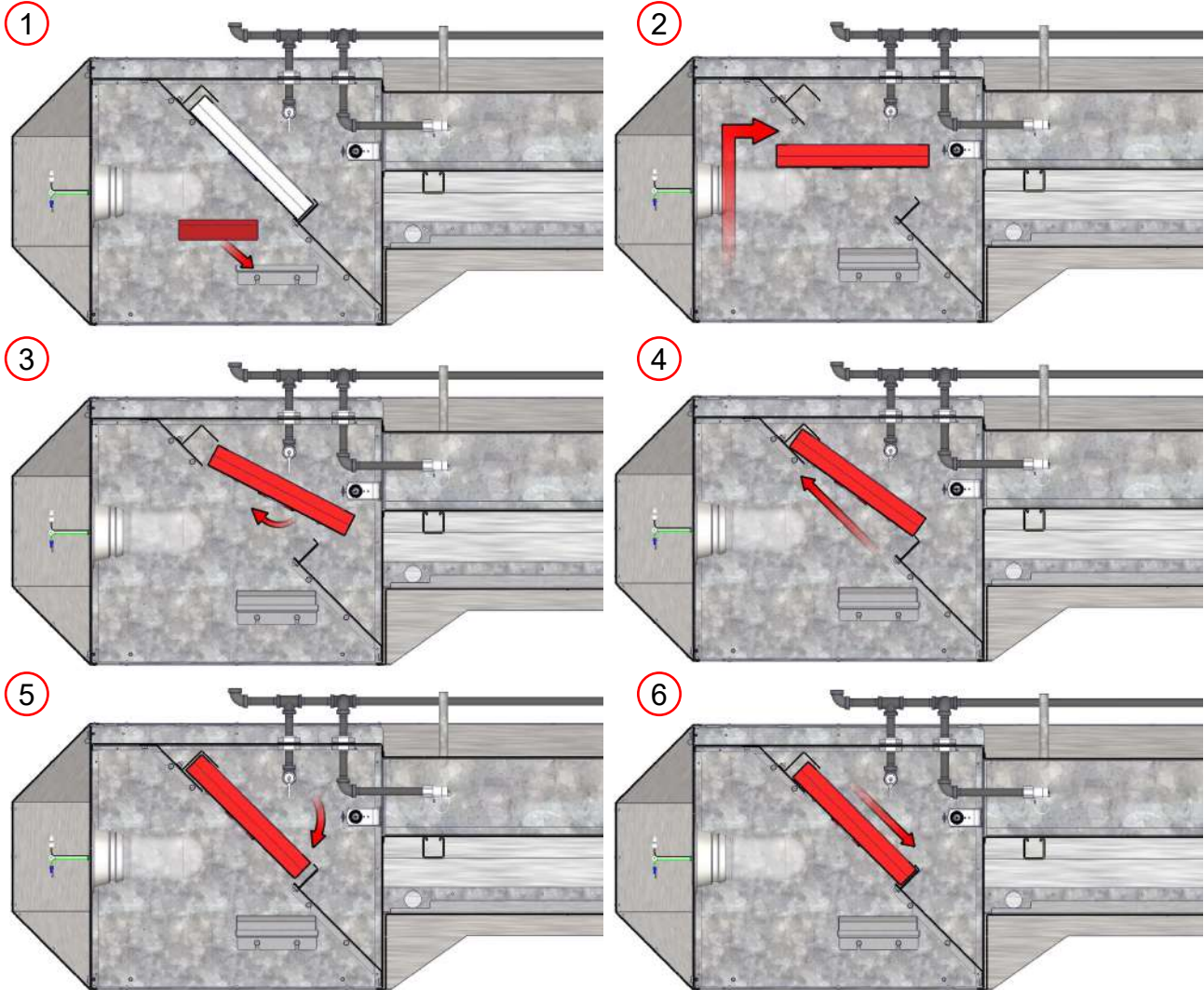


NOTE

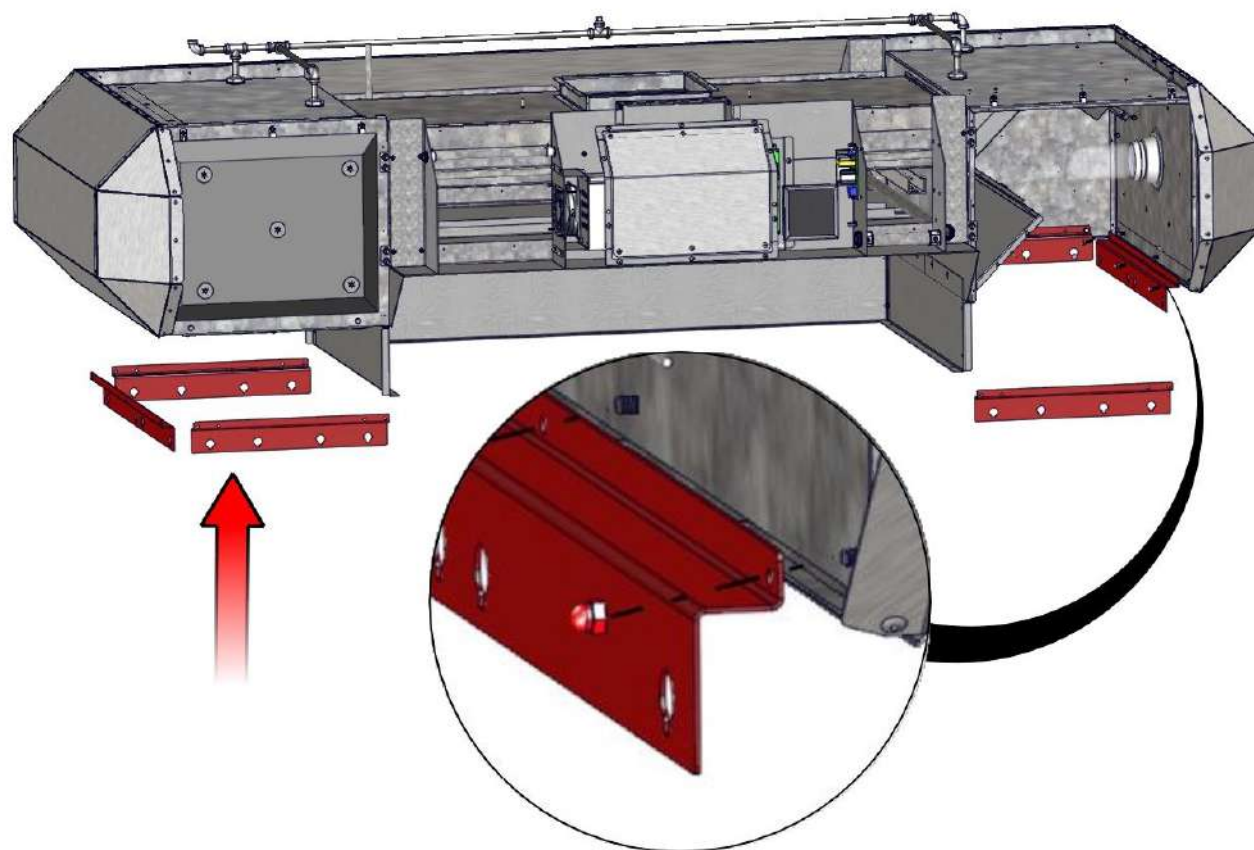
This measurement is from the finished floor to the bottom of the suspended hood.

NOTE: All dimensions in inches [millimeters], $\pm 1/4$ [6], unless otherwise noted.

Install Grease Trays, Light Bulbs & Covers, and Grease Filters

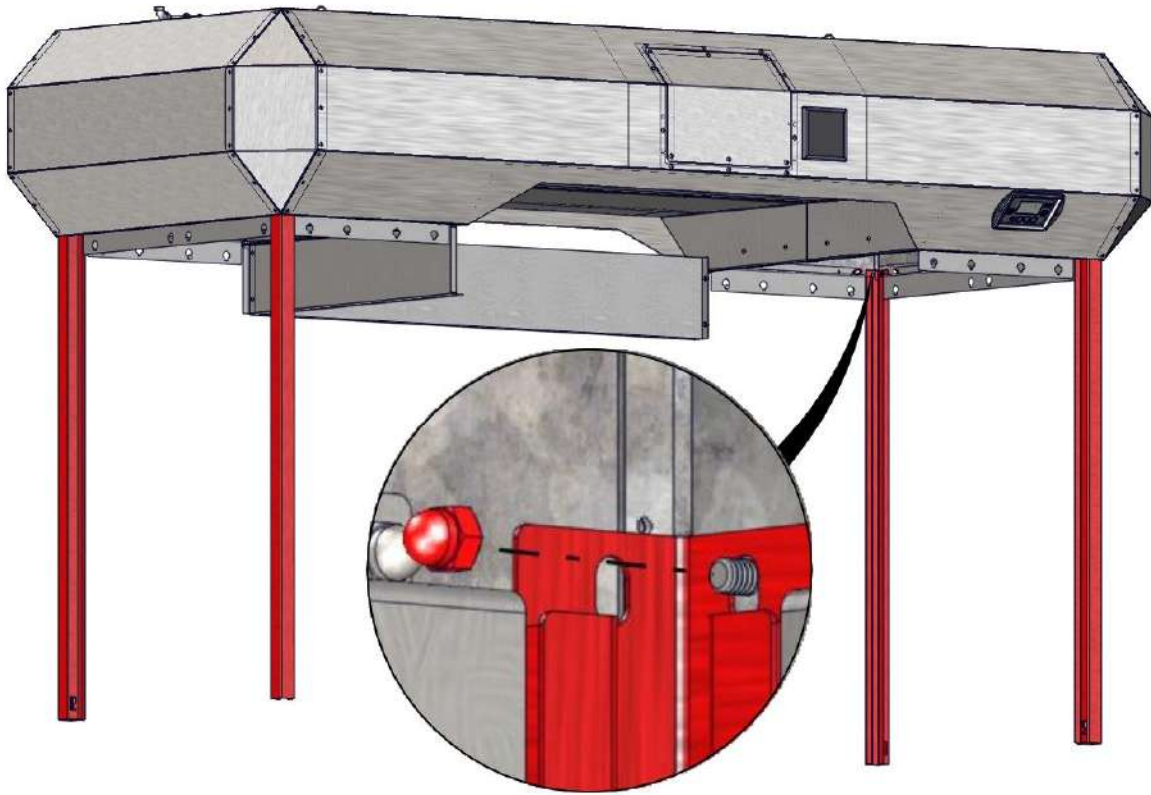


Install Shroud Hanging Brackets



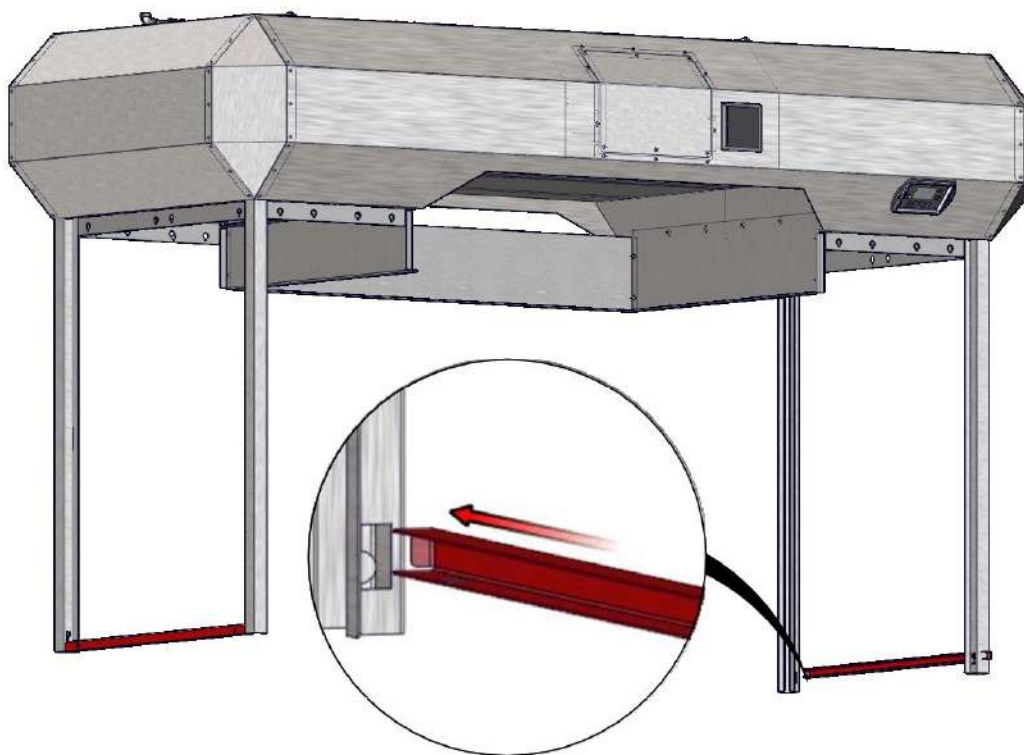
→ Parts Removed For Clarity
NOTE

Install Corner Posts

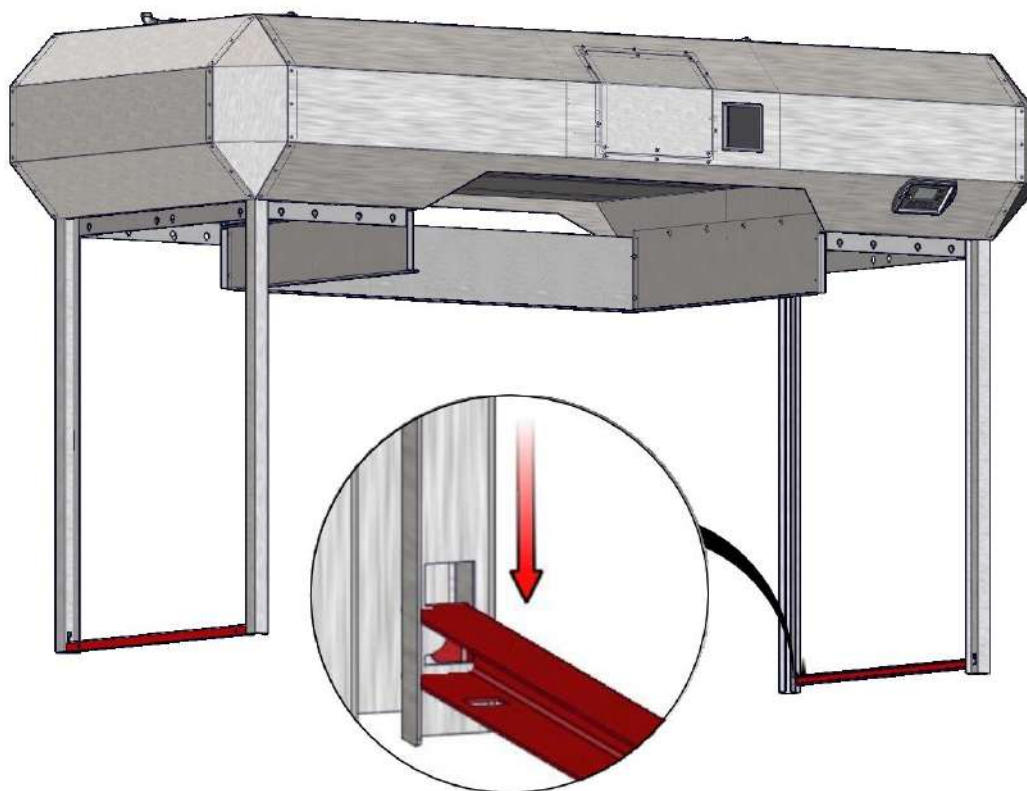


Install Bottom Rails

1

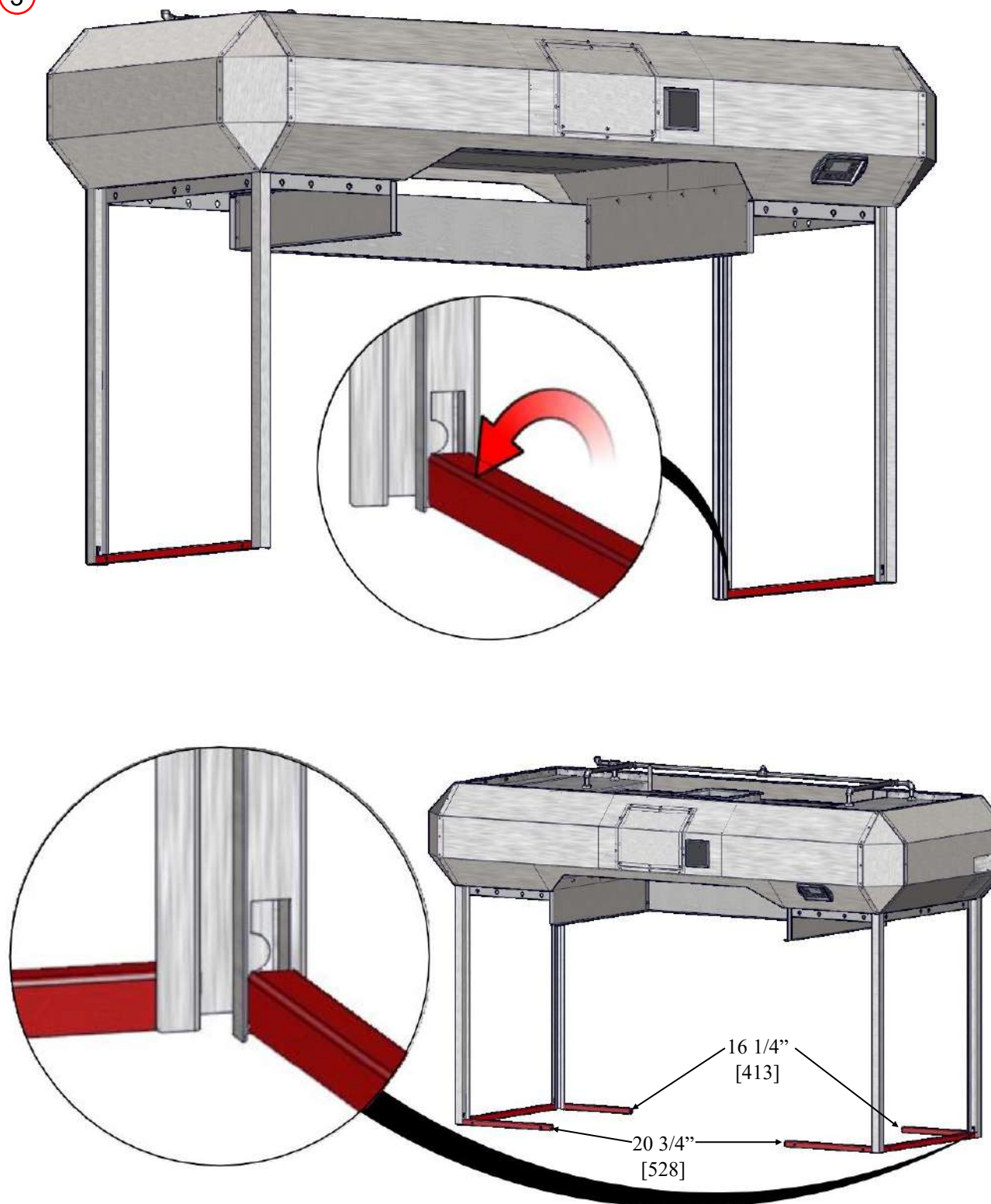


2



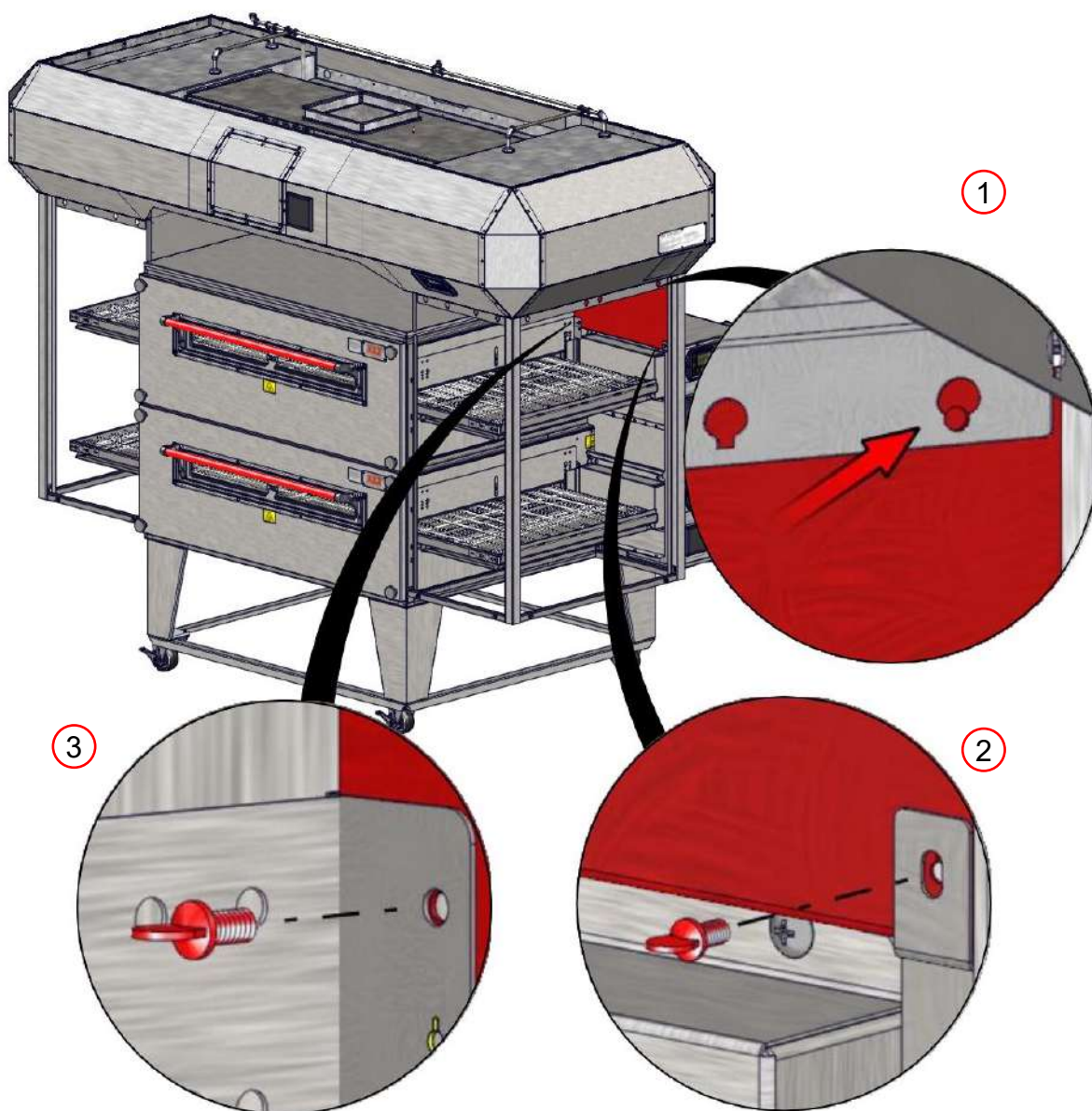
Install Bottom Rails

3

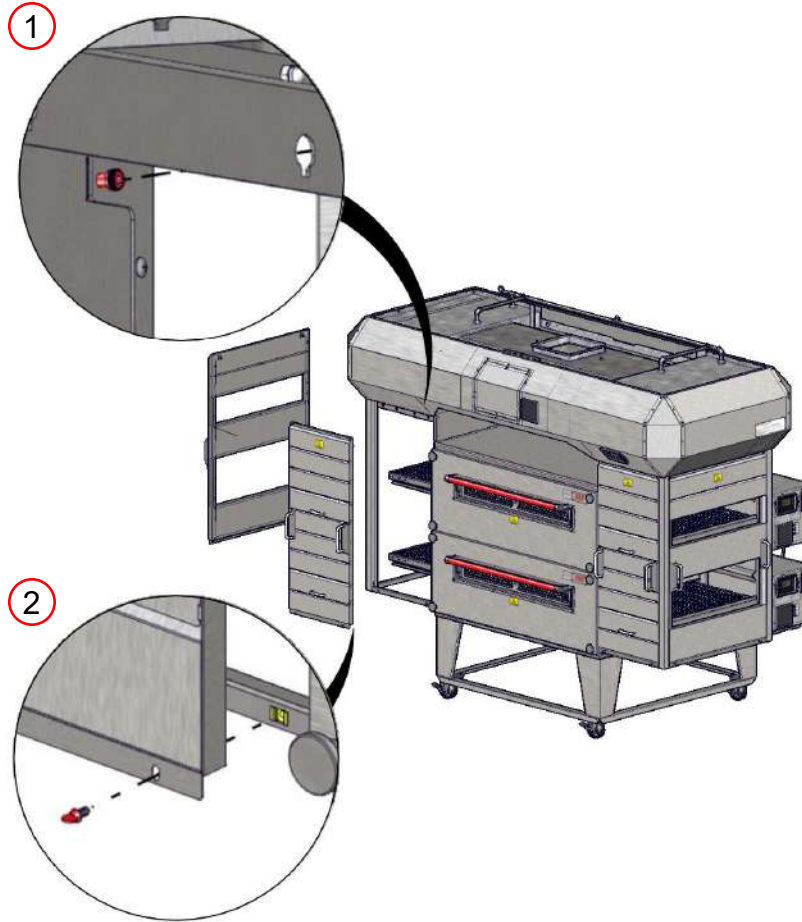


NOTE: All dimensions in inches [millimeters], $\pm 1/4$ [6], unless otherwise noted.

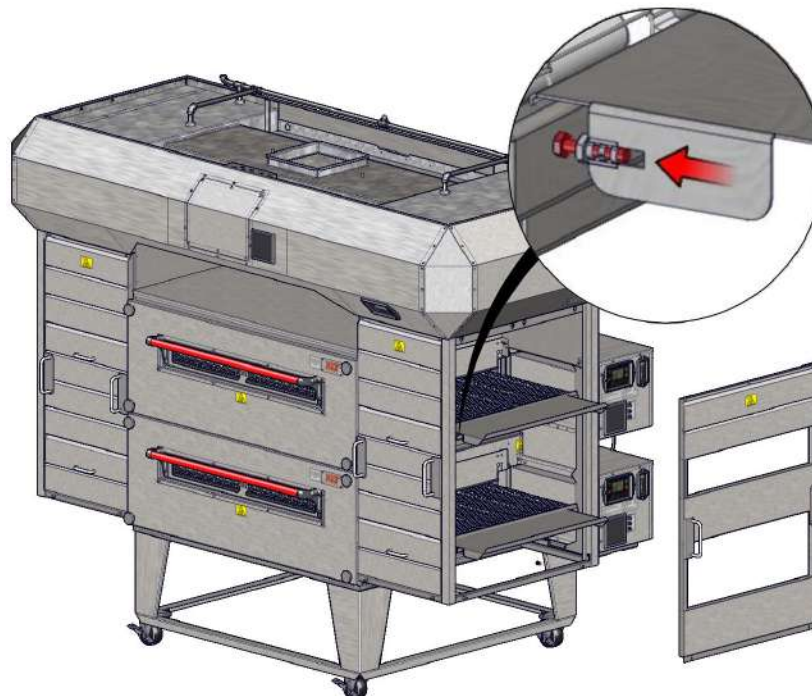
Install Control Box Upper Closeout



Install Shroud Panels - Front and Ends



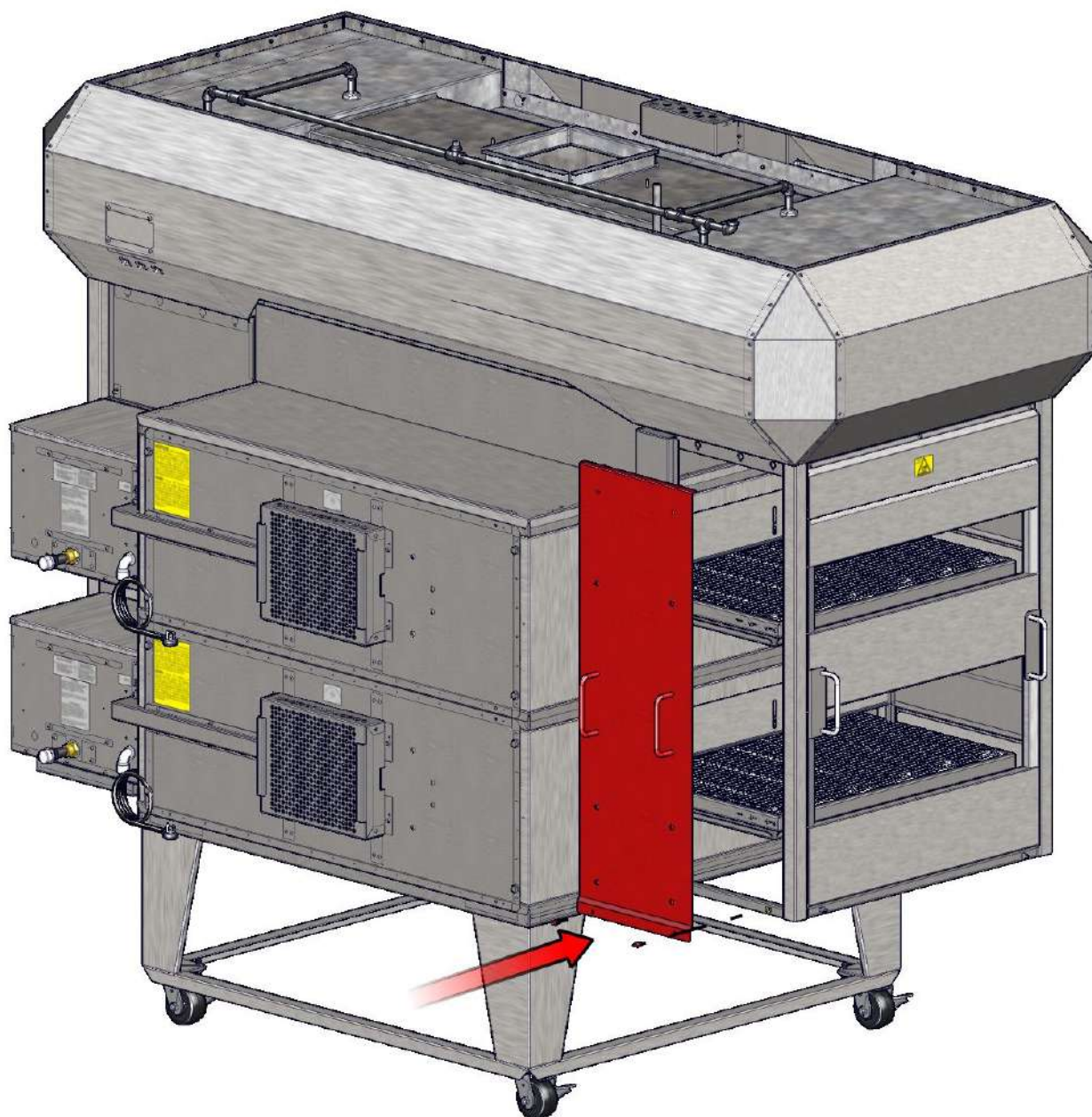
Install - Conveyor Shelf



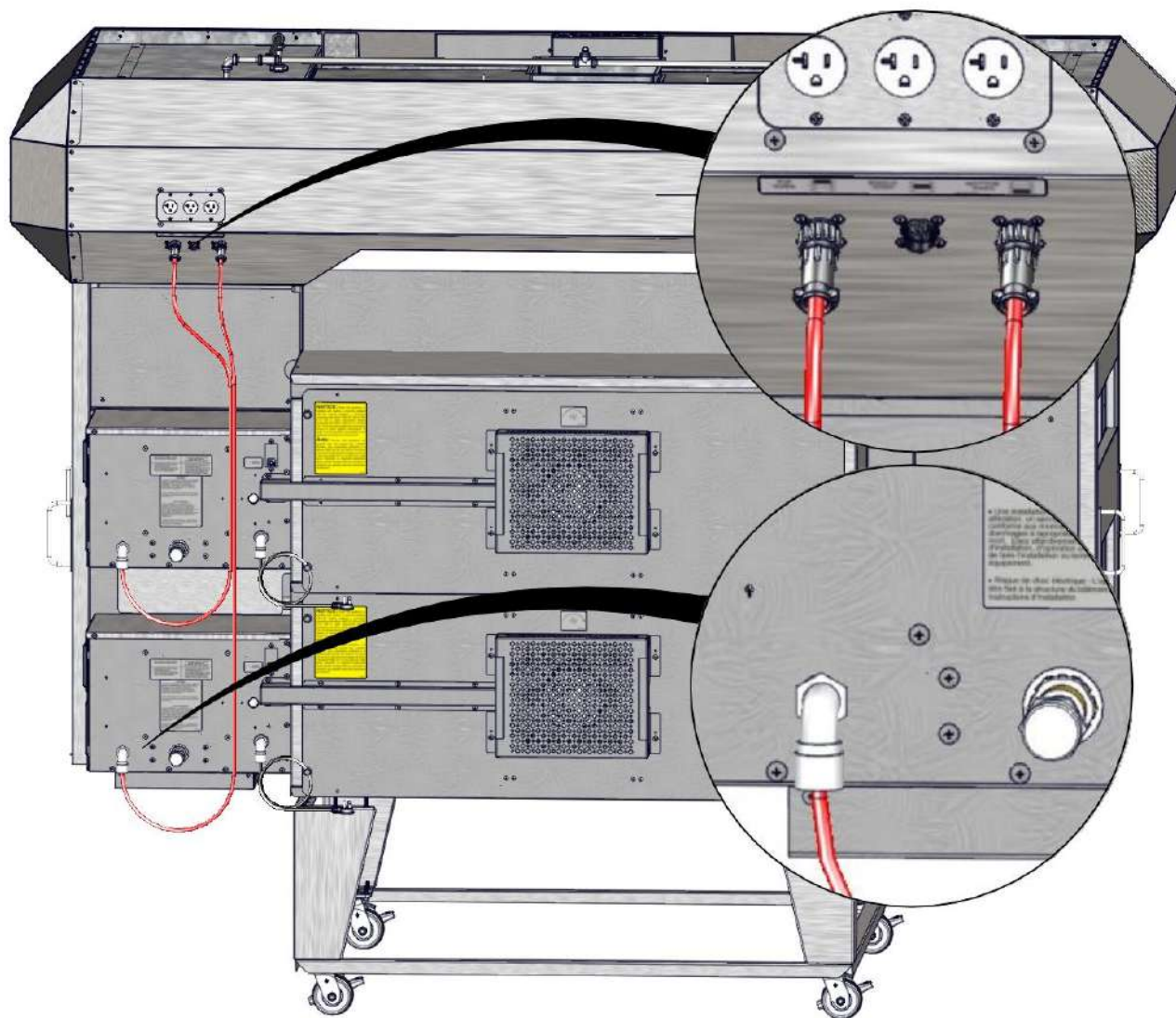
HOOD ASSEMBLY

Install Back Shroud Panel

85



Install Hood Relocation Cord Assembly

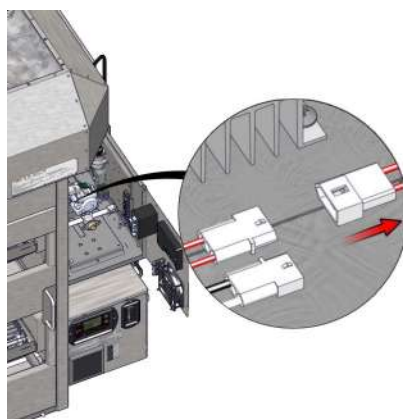


All hoods are outfitted with three (3) switch relocation receptacles, regardless of how many XLT ovens are installed. For a single oven use “Top” location. For a double stack use “Top” location for upper oven and “Bottom” location for lower oven, leaving “Middle” location open.

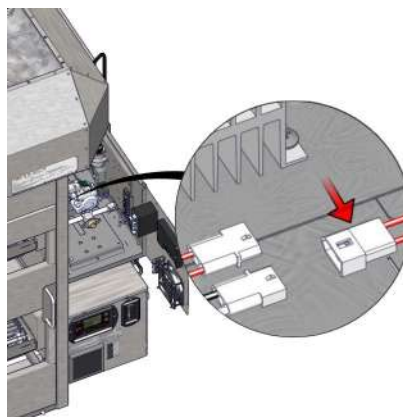
Insert and lock each oven control cord into the designated location on the bottom of the hood control box.

Connect Hood Relocation Cord Assembly

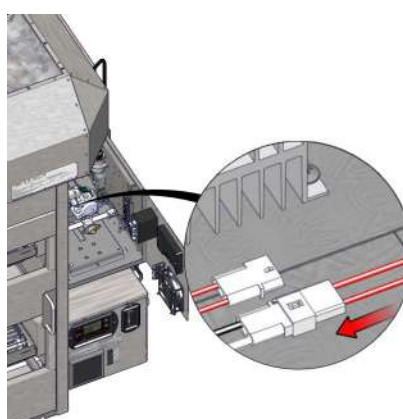
①



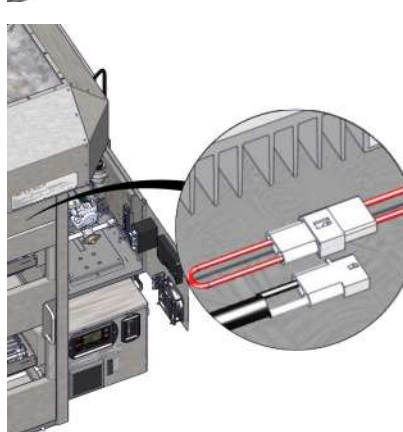
②



③



④



Variable Frequency Drive Adjustments

All XLT Hoods are functionally tested at the factory. Operation is verified, and adjustments are made to ensure proper operation. However, field conditions are sometimes different than factory conditions. **It is necessary to have an authorized service technician verify operation and make field adjustments if needed.**

The following items must be checked and verified to meet the specifications and requirements stated in this manual prior to the hood being commissioned:

- Correct fan rotation
- Balanced make-up air

The Hood Initial Start-Up Checklist, found at the end of this manual, must be completed (both sides) at time of installation, signed by the Customer and returned to XLT and the Authorized Distributor to initiate Warranty Policy. **If the Start-Up Checklist is not filled out completely and returned to XLT, the Warranty will not be honored.**

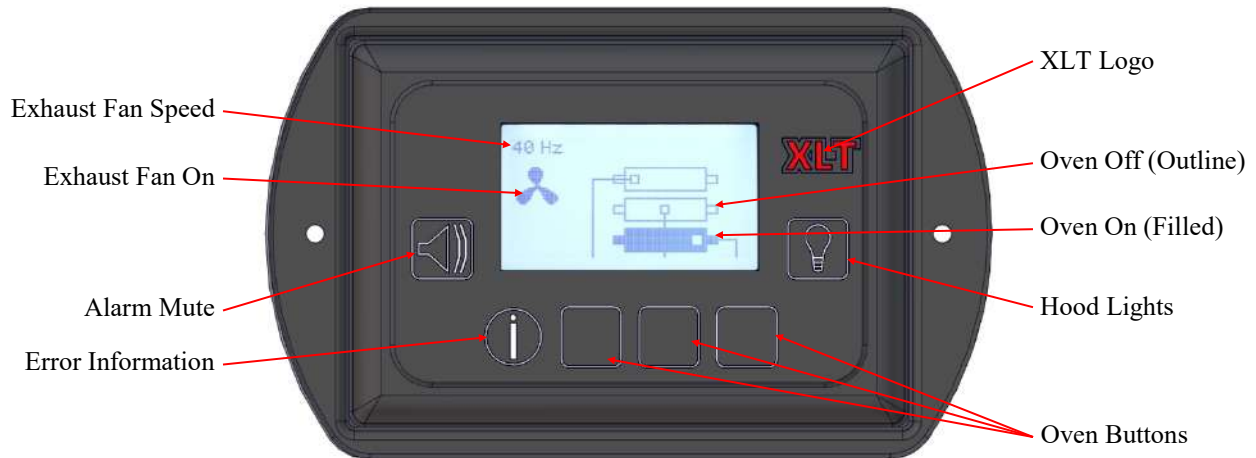
The VFD controller is adjusted at the factory to the values displayed in the chart below.

	VFD Controller Settings					
	Ovens On			1832 & 2440	3240, 3255 & 3270	3855 & 3870
	Top	Middle	Bottom			
Single	X			20 Hz	25 Hz	30 Hz
Double	X			20 Hz	25 Hz	30 Hz
			X	35 Hz	40 Hz	45 Hz
	X		X	35 Hz	40 Hz	45 Hz
Triple	X			20 Hz	25 Hz	30 Hz
		X		30 Hz	35 Hz	40 Hz
			X	40 Hz	45 Hz	50 Hz
	X	X		30 Hz	35 Hz	40 Hz
	X		X	40 Hz	45 Hz	50 Hz
		X	X	40 Hz	45 Hz	50 Hz
	X	X	X	45 Hz	50 Hz	55 Hz
Fire Suppression				60 Hz DO NOT CHANGE		

If you require either more or less air flow, follow these steps: (Reference Hood User Interface image on next page)

1. Press & hold the LIGHTS and XLT LOGO buttons to enter into factory tech mode.
2. Use the Up/Down arrows to reach manual air balance.
3. Press and hold ENTER button for 3 seconds. Entire row will flash.
4. Scroll to desired oven setting. Press ENTER.
5. +/- should flash and it allows +/- change up to 10 Hz.
6. Press ENTER to save changes.
7. Press ON to test air balance.

Initial Start Up

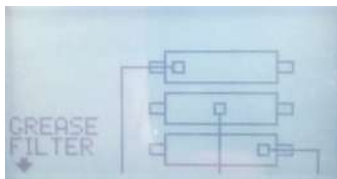


NOTE When XLT ovens are outfitted with an XLT hood and the receptacles are plugged into the hood instead of the wall, the main power button of the oven is disabled and no longer operates. The Hood User Interface (HUI) on the XLT hood overrides the oven power button.

Hood Operation

1. Turn the desired oven(s) on by pressing the corresponding oven button. Refer to the Oven Operation section for instructions on how to adjust temperature and conveyor speed. The oven(s), exhaust fan, and make-up air unit will be activated by this switch if the XLT hood is installed according to this manual.
2. Turn on the lights by pressing the hood lights button on the HUI. (Bulbs not included with hood)
3. When additional ovens are turned on, via the HUI the VFD will automatically increase the exhaust fan speed.
4. When shutting down the ovens, turn the desired oven off by pressing the corresponding button on the HUI. The make-up air unit will shut off. The exhaust fan will shut off after about fifteen (15) minutes and the oven will shut off after about thirty (30) minutes.

Resetting Hood Cooling Fan and Grease Timer



1. The Cooling Fan and Grease Filter reset alarm will show up in the lower left hand side of the Hood User Interface. Press the Error Information button to enter reset screen.



2. To reset the Cooling Fan or Grease Filter press the center capacitive touch button with reset above it to set the time back to zero (0).



3. The following screen will show for five (5) seconds and then return to the normal operating screen.

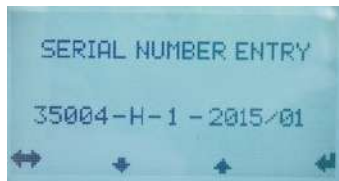
Factory Tech Mode

To enter Factory Tech Mode press and hold the Hood Lights button and the XLT Logo for ten (10) seconds.



Software Version

MC & UI Software Version. Press Down arrow to go to next screen.
Image For Reference Only - See XLT For Correct Version.



Serial Number

ENTER button to make changes. Use side to side arrows to scroll to next character position. Use Up/Down arrows to change values and press ENTER to accept and advance.



Belt Length

Press ENTER to make changes and use arrows Up/Down to adjust. ENTER to accept and advance.



Belt Width

Press ENTER to make changes. Use Up/Down arrows to adjust. ENTER to accept and advance.



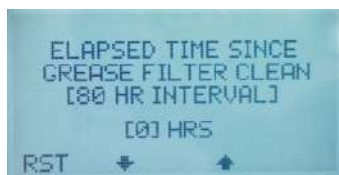
Elapsed Time

Elapsed time of total operating hours. Elapsed time total cannot be reset. Press Down arrow to advance.



Cooling Filter

Elapsed time since Cooling Filter last cleaned. Reset by customer or service tech after cleaning. Press the Error Information button to reset time if needed. Hour Interval is a service tech reference. Press Down arrow to advance.



Grease Filter

Elapsed time since Grease Filters last cleaned. Reset by customer or service tech after cleaning. Press the Error Information button to reset time if needed. Hour Interval is a service tech reference. Press Down arrow to advance.



VFD Exhaust Fan

Some hoods do not have a VFD and this will not be used. Press Down arrow to advance.



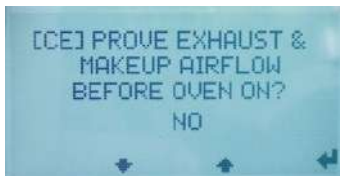
Oven Quantity

Press ENTER button to make changes and use Up/Down arrows to adjust between 1, 2, or 3. Press ENTER to accept and advance.



Makeup Air Mode

Press ENTER button to make changes and use Up/Down arrows to adjust between Common and Per oven. Press ENTER to accept and advance. Common MUA is on with any oven and has one (1) speed setting. Per Oven MUA on per oven with up to three (3) speed settings.



Prove Air Flow

Press ENTER button to make changes and use Up/Down arrows to adjust between NO and YES. Press ENTER to accept and advance. CE and Australia require proving before turning the oven ON.



Manual Makeup Air

Press ENTER button to make changes and use Up/Down arrows to adjust between Common, 1, 2, or 3. Press ENTER to accept and advance. This feature can turn all ON or run individual ovens.



Manual VFD

Press ENTER to highlight value, use Up/Down arrows to increase and decrease value. ON to activate at selected speed. ENTER to accept and advance. This feature can run VFD at 5Hz steps from 0-65Hz.

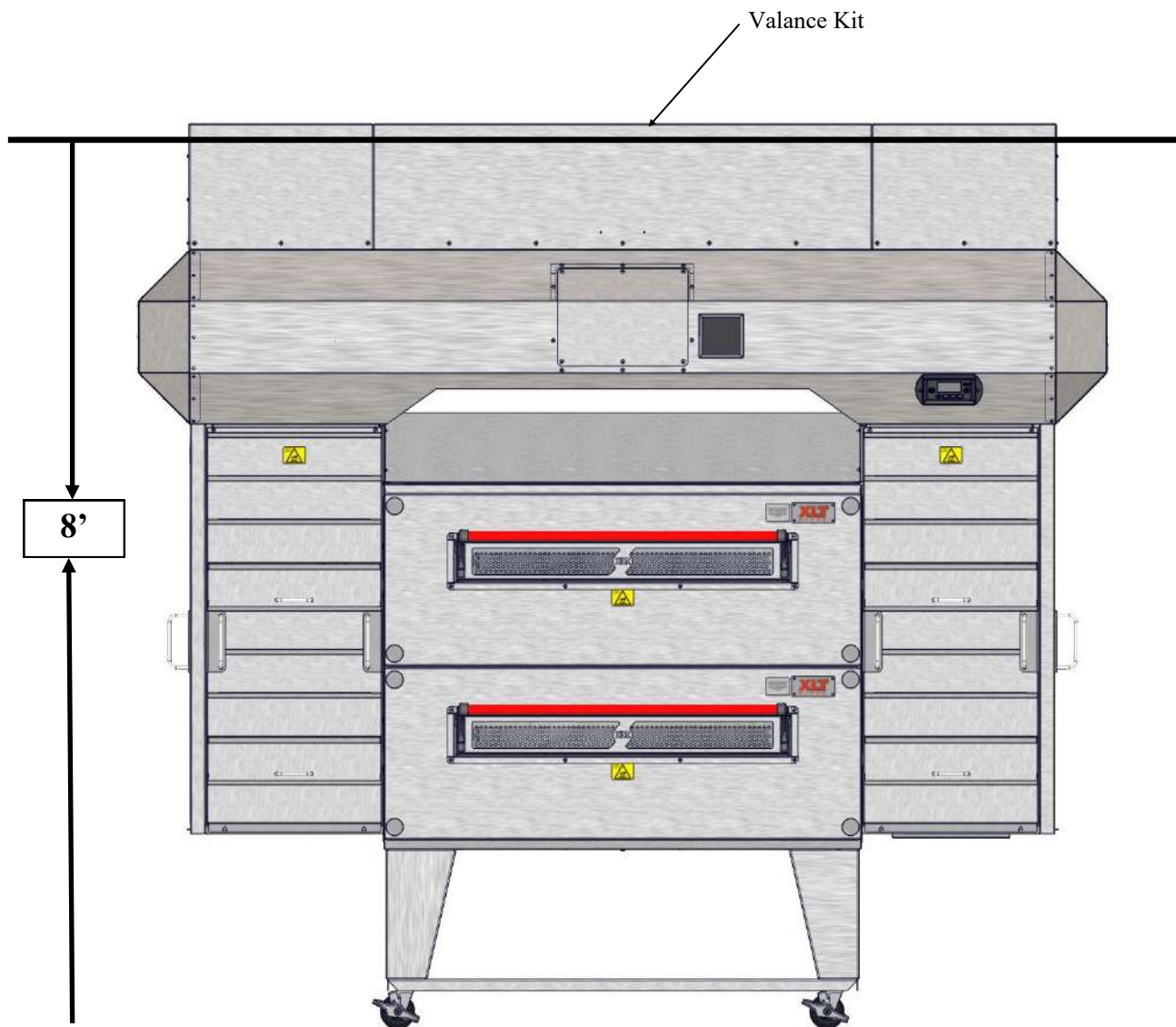


Air Balance

User to press ENTER to edit the +/- value. Default of 0Hz for the +/- value. Once the +/- value is in Edit Mode (flashing), press and hold ENTER for three (3) seconds. This allows user to select other lines (the entire line flashes at this point). Up/down arrows to scroll table to get to desired line. Press ENTER again to accept that line and make active. Press ON to turn fan on to setting (icon changes to OFF so user knows to press again to turn it OFF). Use +/- to change Hz for that setting until desired value shown. The Maximum ACT setting is 65Hz. Off when done with that value. Repeat with other settings as needed. Once all done, ENTER to accept and exit.

This is only portion of the VFD table that fits in display. There are four (4) lines available, two (2) are the titles and two (2) are table values. Scroll Up/Down to see more of the table.

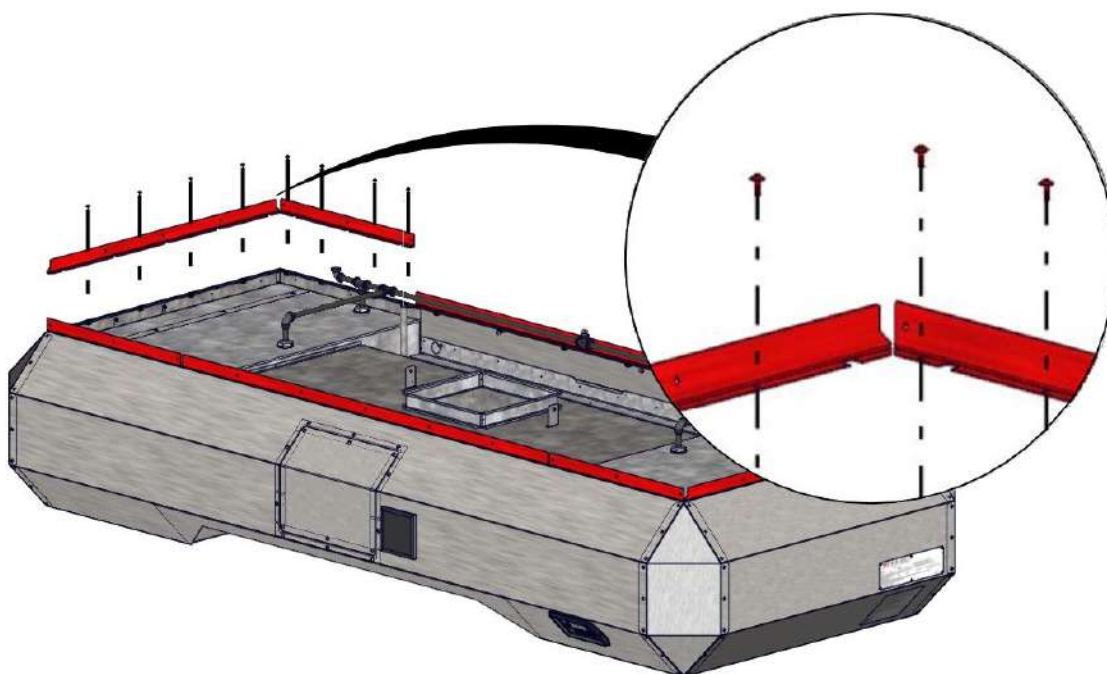
The optional valance kit size is determined by XLT hood size & distance from the finished floor to the installed drop ceiling height. The valance kit screws directly to the XLT hood and does not require any structural support. The plastic coating must be removed from all parts prior to installation.



XLT hood valance kits are available for different floor to ceiling heights. Contact XLT or your designated representative for more information.

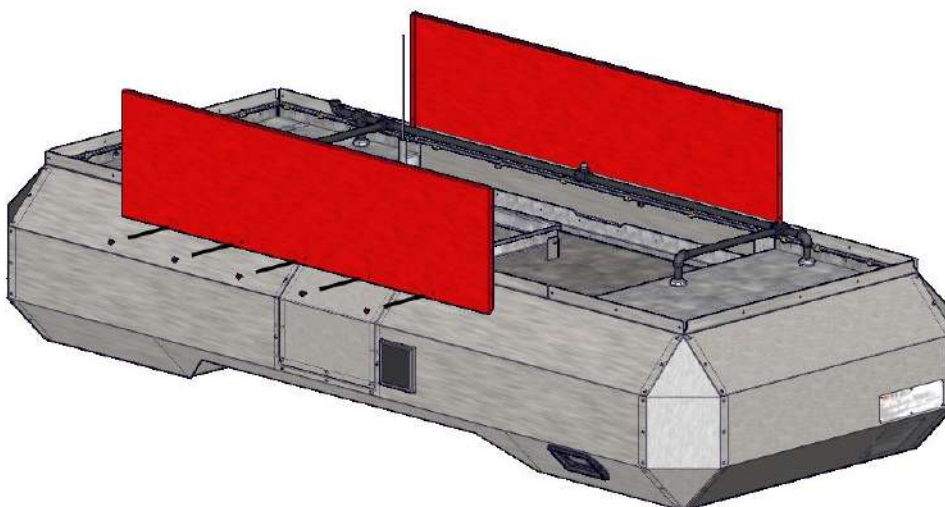
Install Valance Brackets

1



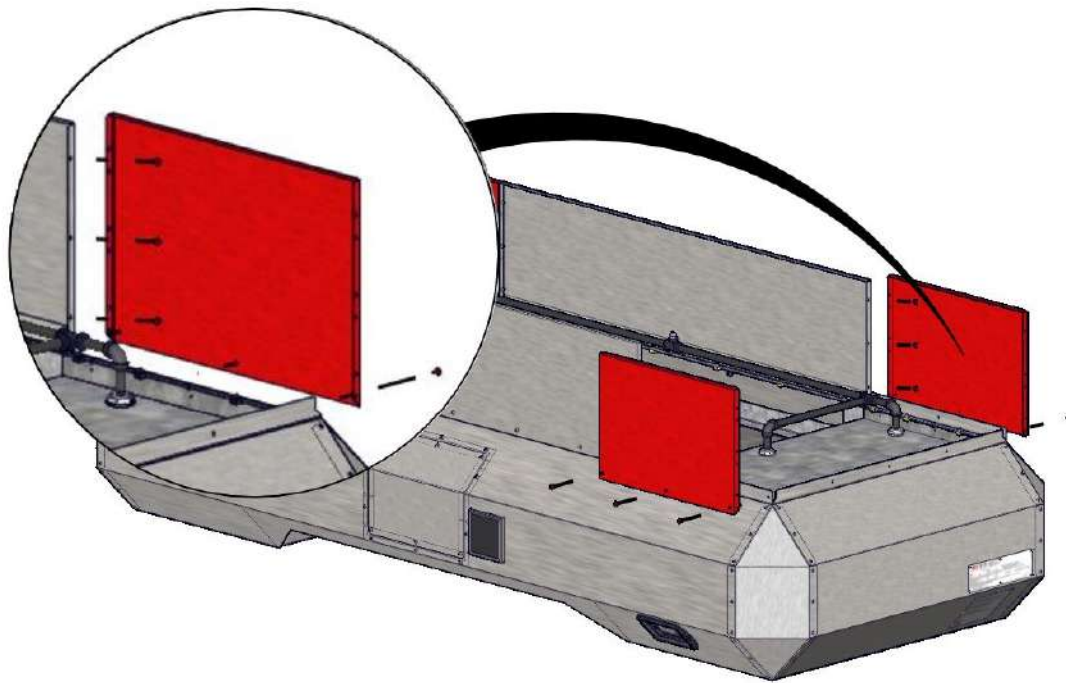
Install Front & Back Panels

2



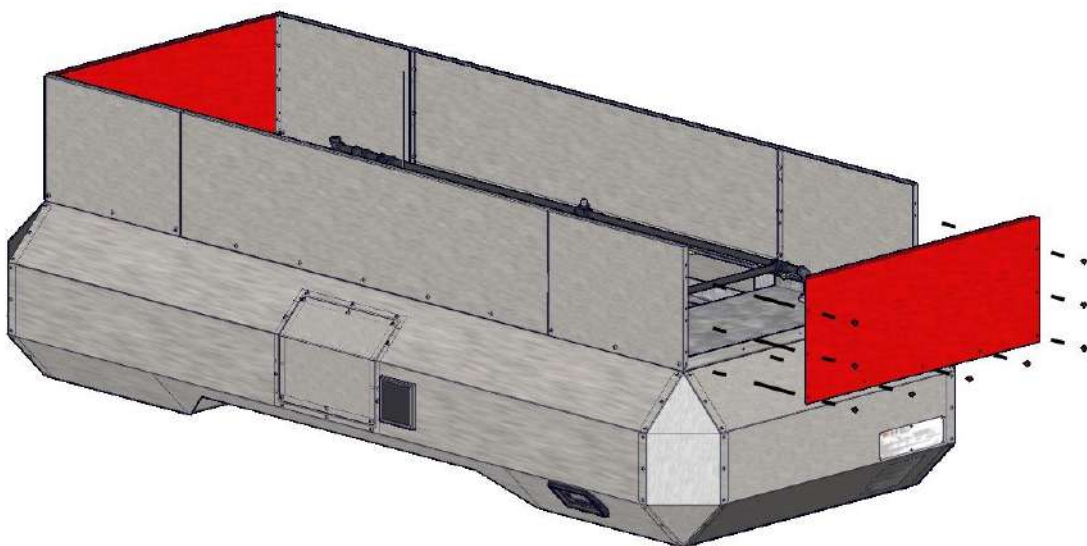
Install Corner Panels

3

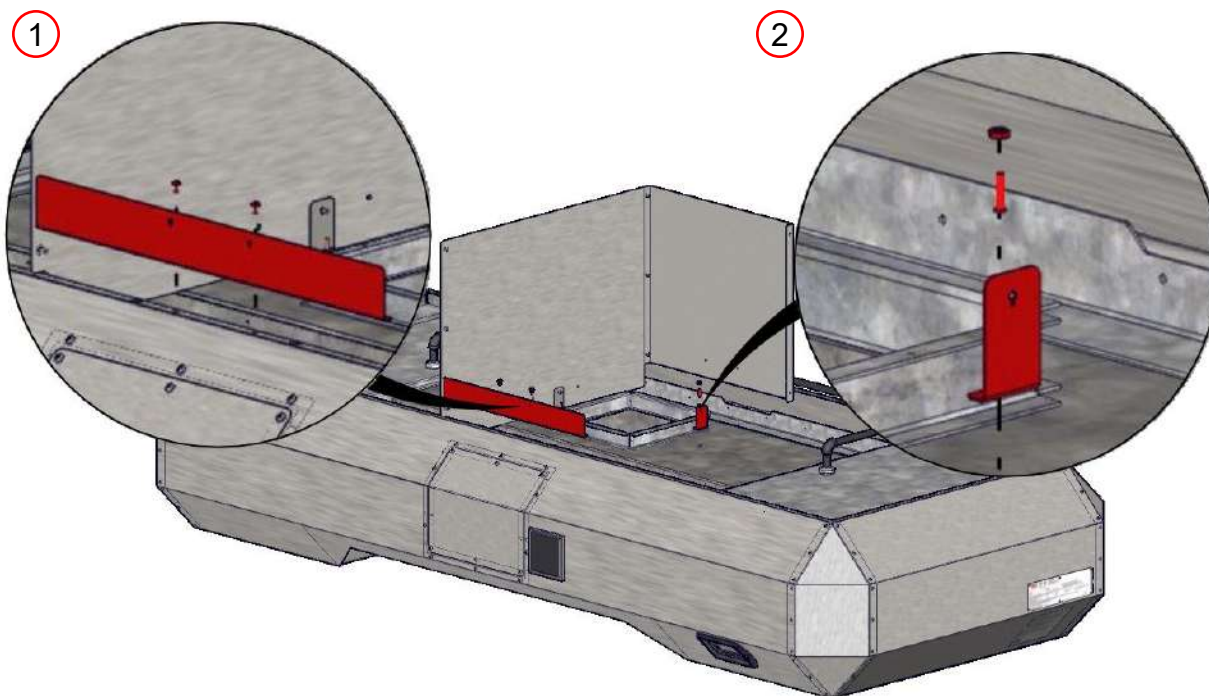


Install End Panels

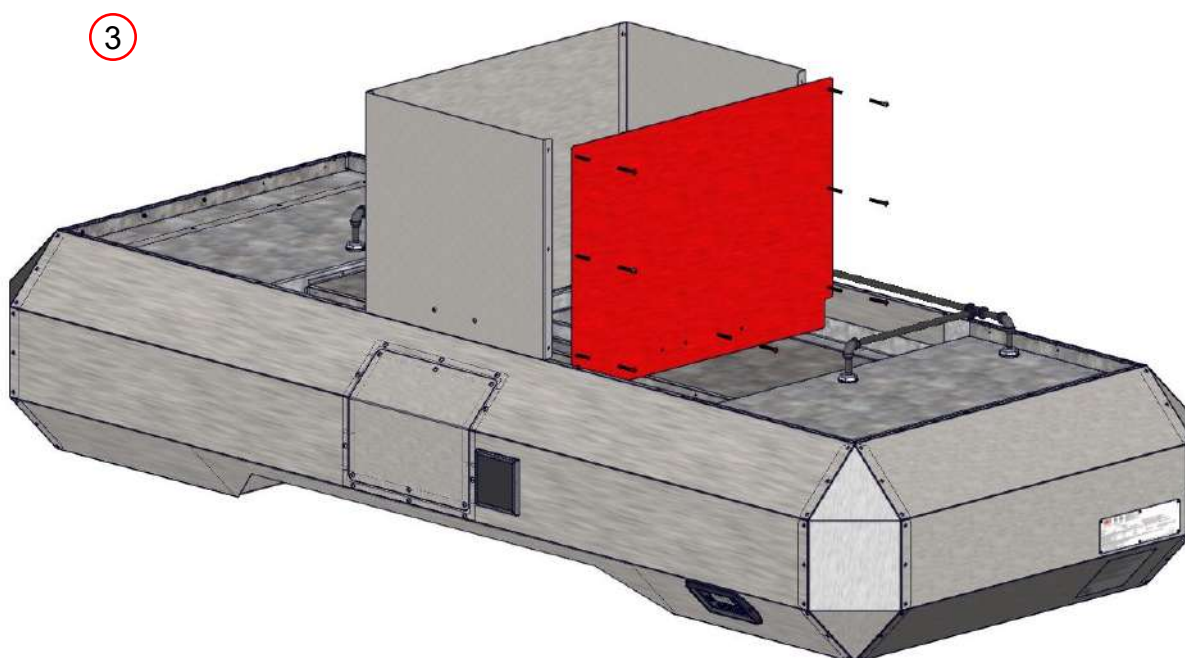
4



Optional Hood Duct Wrap Install Duct Wrap Brackets



Install Duct Wrap Panels



As with any appliance, periodic maintenance is required. Many factors affect this schedule such as product mix and hours of usage. An example schedule is included.

Your XLT hood is constructed of stainless and aluminized steel. Check application restrictions on product label prior to usage. Observe recommended precautionary and safety measures as dictated by the product manufacturer. Bleach can cause stainless steel to discolor and corrode and is not recommended for cleaning.

Do not use abrasive or caustic cleaners. Abrasive pads will scratch stainless steel surfaces. Areas with heavy buildup should be sprayed and allowed to soak for up to five (5) minutes prior to wiping clean. Always wipe with the “grain” of the surface to maintain appearance.

Hood Cleaning & Maintenance Schedule						
		Daily	Weekly	Monthly	Semi-Annual	As Required
Cleaning						
	Wipe down Front, Sides, & Top	☐				
	Clean Light Globes	☐				
	Empty & Clean Grease Trays	☐				☐
	Clean or Replace Fan Filter	☐				☐
	Clean Grease Filters		☐			☐
	Clean Duct and Exhaust Fan			☐		☐
Inspection						
	Check Grease Trays	☐				
	Check Grease Filters		☐			
Replace						
	Fan Filter					☐
	Light Bulbs					☐

**DANGER**

Oven must be cool and the electric cord unplugged before any cleaning is done.

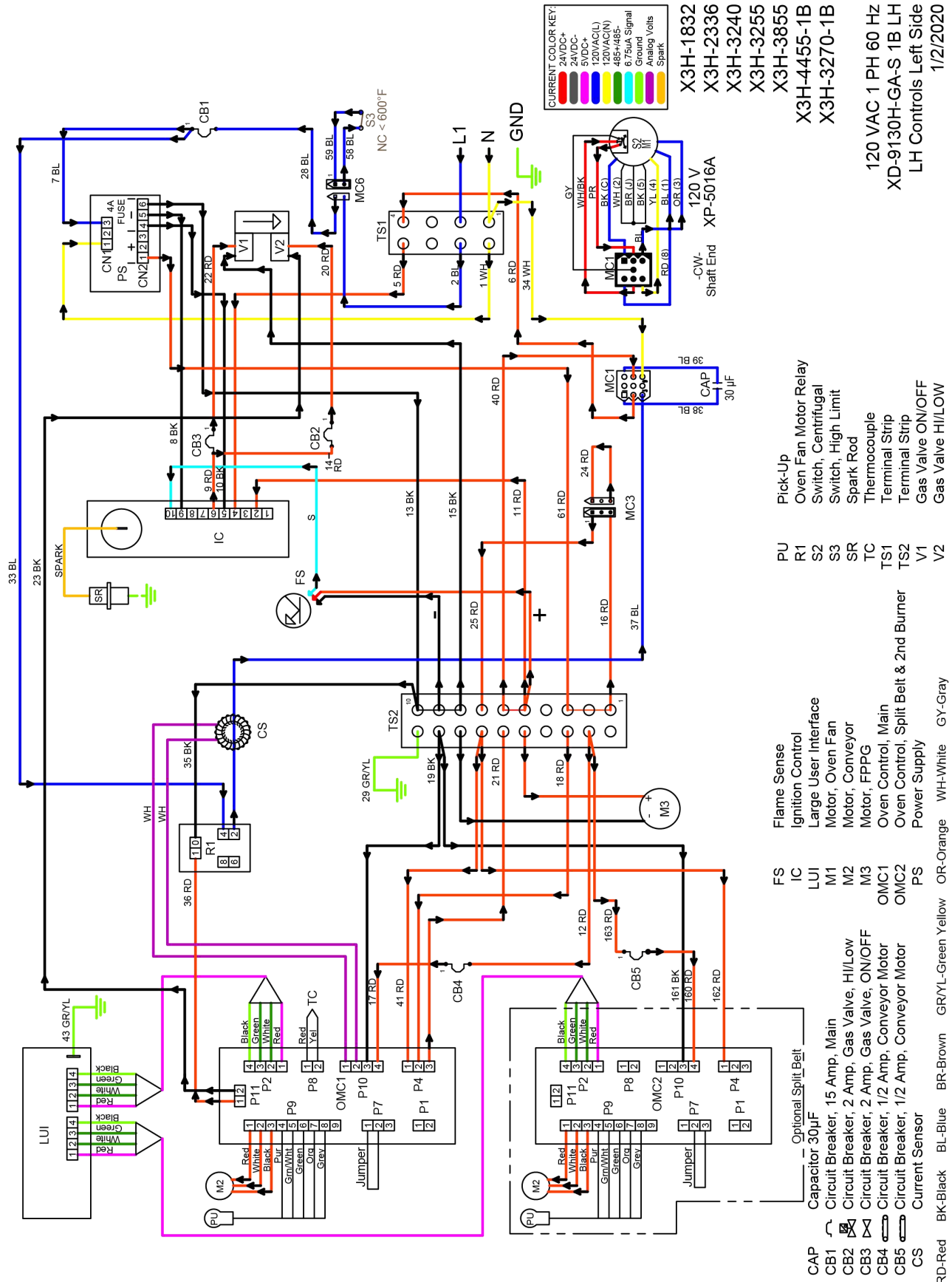
**CAUTION**

Shroud Panels can weigh up to 60 lbs [27 kg]. Use caution when lifting.

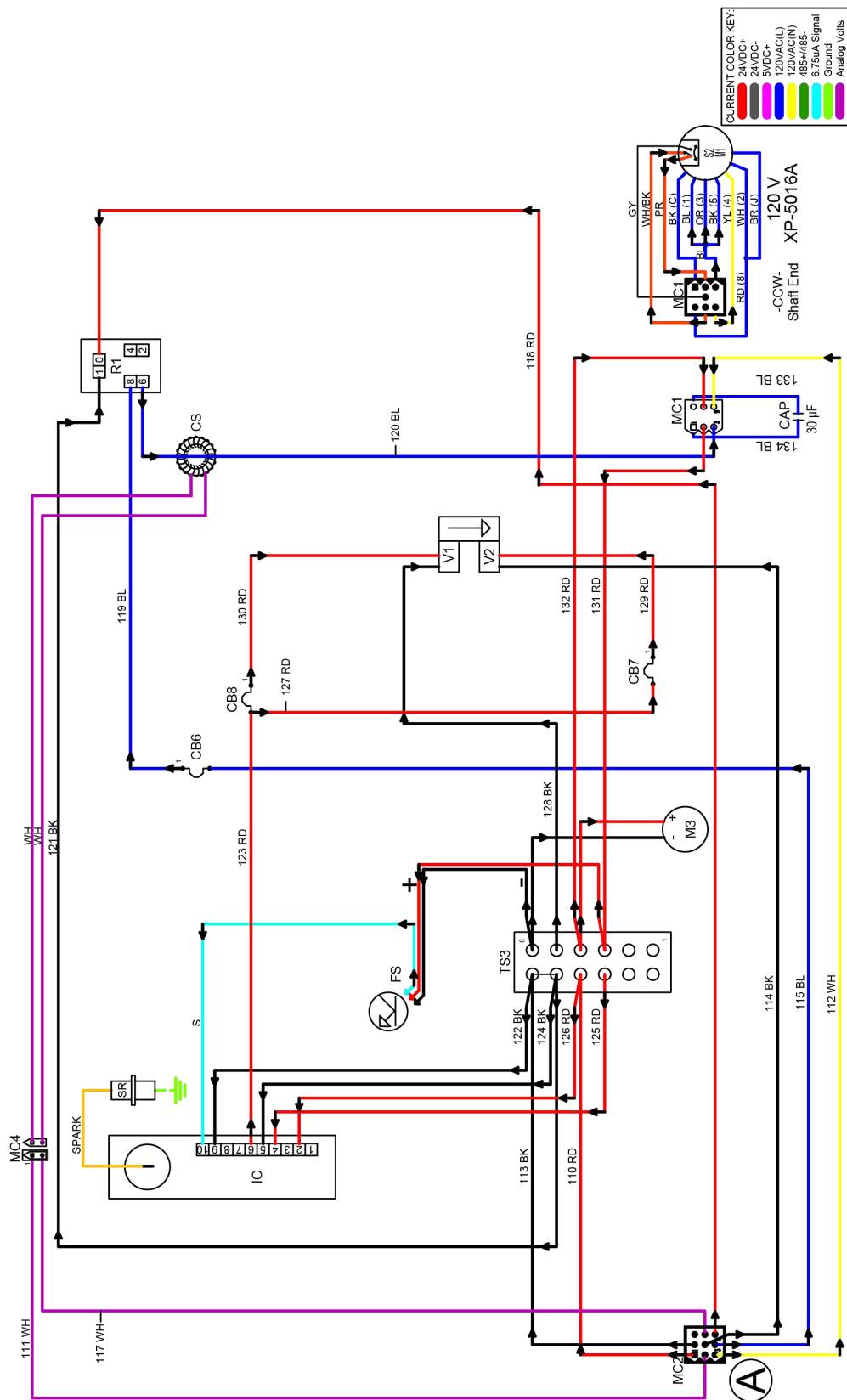
**CAUTION**

DO NOT spray liquid cleaning agents in the hood electrical box (located on front of upper portion), or the User Interface (Located on front lower right corner).

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120 VAC 1 PH 60 Hz
XD-9130H-GA-S 2B LH
LH Controls Right Side
1/2/2020

120 V
XP-5016A
-CCW-
Shaft End

120 V
XP-5016A
-CCW-
Shaft End

120 V
XP-5016A
-CCW-
Shaft End

120 V
XP-5016A
-CCW-
Shaft End

120 V
XP-5016A
-CCW-
Shaft End

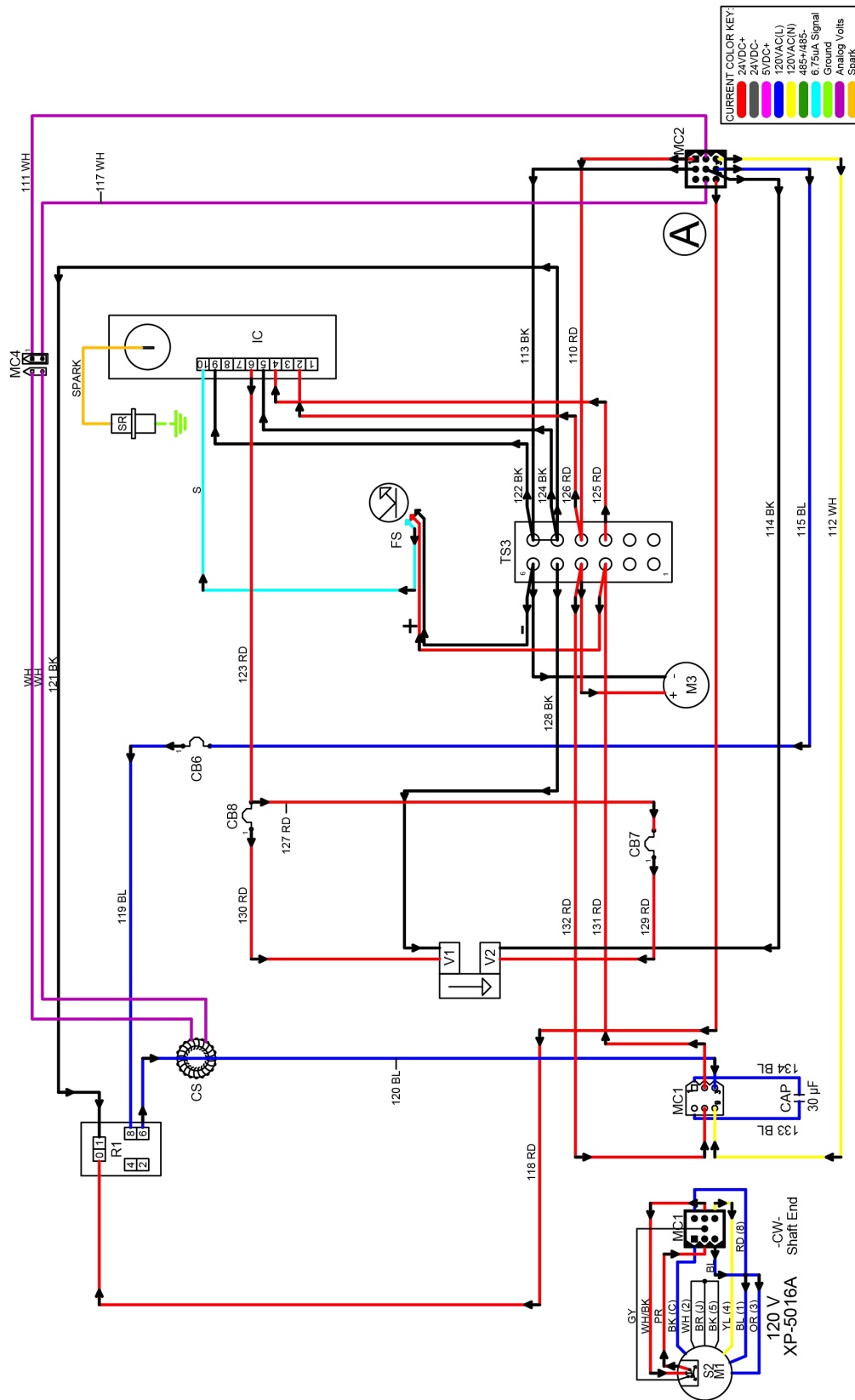
120 V
XP-5016A
-CCW-
Shaft End

120 V
XP-5016A
-CCW-
Shaft End

- CAP Capacitor 30µF
- CB6 Circuit Breaker, 15 Amp, Main
- CB7 Circuit Breaker, 2 Amp, Gas Valve, HI/LOW
- CB8 Circuit Breaker, 2 Amp, Gas Valve, ON/OFF
- CS Current Sensor
- RD-Red BK-Black BL-Blue BR-Brown GR/YL-Green Yellow OR-Orange WH-White GY-Gray
- S2 Switch, Centrifugal
- SR Spark Rod
- TS3 Terminal Strip
- V1 Gas Valve ON/OFF
- V2 Gas Valve HI/LOW
- FS Flame Sense
- IC Ignition Control
- M1 Motor, Oven Fan
- M3 Motor, FPPG
- R1 Oven Fan Motor Relay

CURRENT COLOR KEY:
24VDC+
24VDC-
5VDC+
120VAC(L)
120VAC(N)
485+V485-
6.75uA Signal
Ground
Safety Volts
Spark

X3H-4455-2B
X3H-3270-2B
X3H-3870-2B
X3H-3280-2B



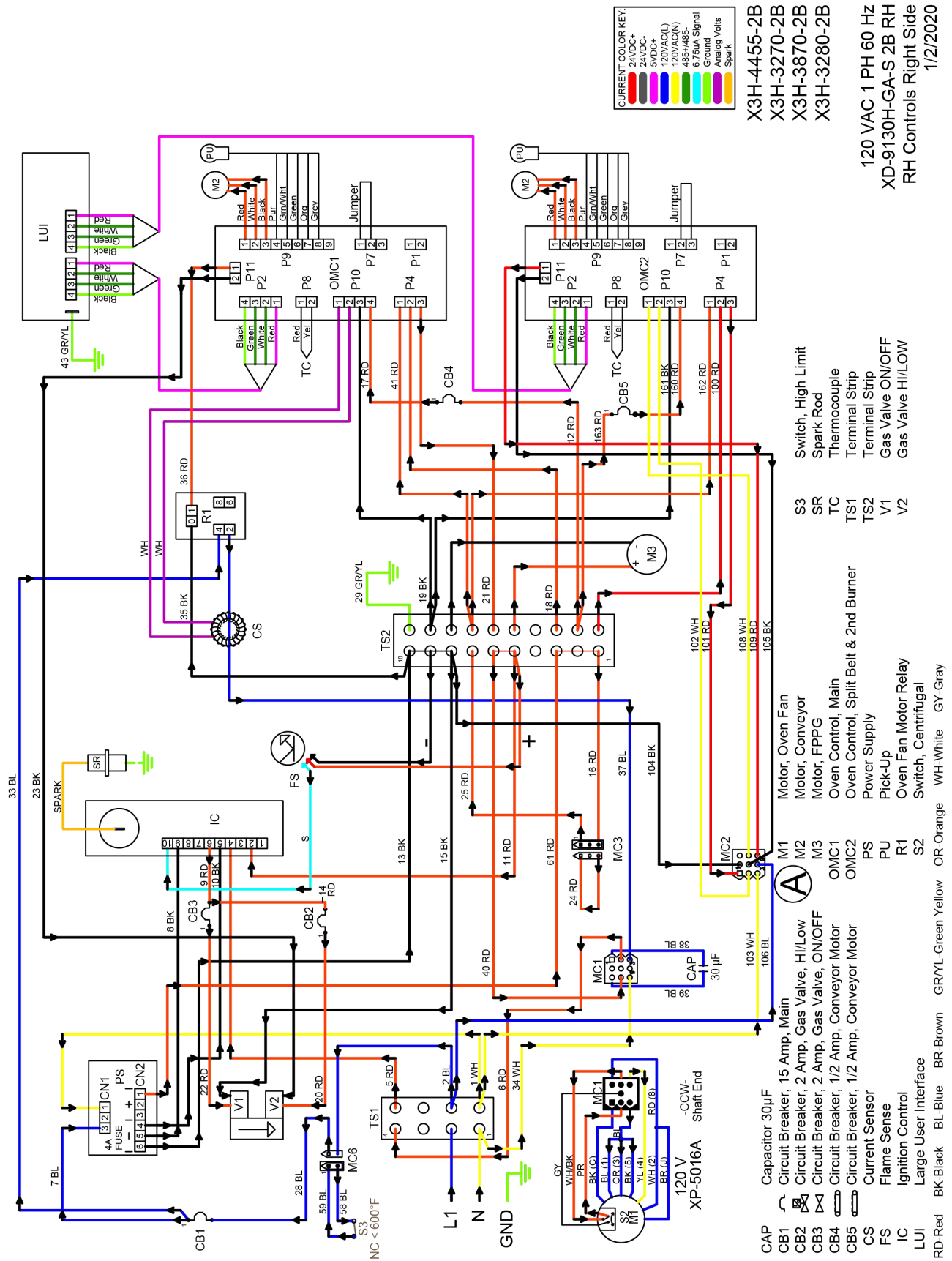
X3H-4455-2B
X3H-3270-2B
X3H-3870-2B
X3H-3280-2B

120 VAC 1 PH 60 Hz
XD-9130H-GA-S 2B RH
RH Controls Left Side
1/2/2020

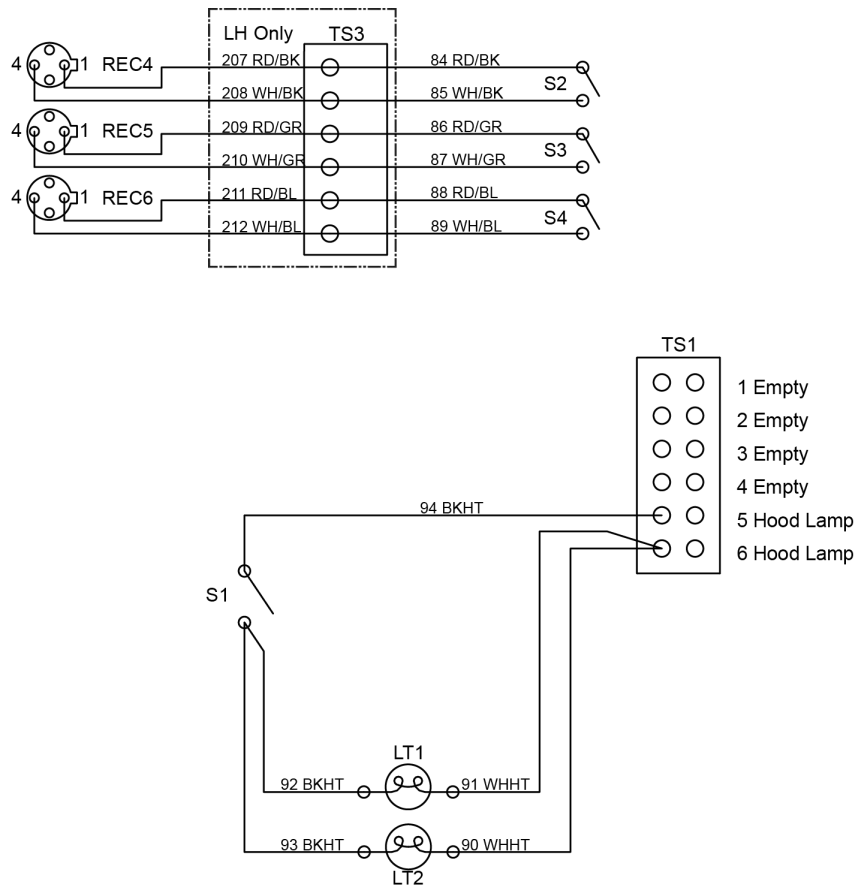
S2 Switch, Centrifugal
SR Spark Rod
TS3 Terminal Strip
V1 Gas Valve ON/OFF
V2 Gas Valve HI/LOW

FS Flame Sense
IC Ignition Control
M1 Motor, Oven Fan
M3 Motor, FPPG
R1 Oven Fan Motor Relay
WH-White
GY-Gray

CAP Capacitor 30µF
CB6 Circuit Breaker, 15 Amp, Main
CB7 Circuit Breaker, 2 Amp. Gas Valve, H/Low
CB8 Circuit Breaker, 2 Amp. Gas Valve, ON/OFF
CS Current Sensor
RD-Red
BK-Black
BL-Blue
BR-Brown
GR/YL-Green Yellow
OR-Orange
WH-White
GY-Gray







- LT1 Lamp, 60W Bulb
- LT2 Lamp, 60W Bulb
- REC4 Receptacle, Top Oven
- REC5 Receptacle, Middle Oven
- REC6 Receptacle, Bottom Oven
- S1 Switch, Light
- S2 Switch, Top Oven
- S3 Switch, Middle Oven
- S4 Switch, Bottom Oven
- TS1 Terminal Strip
- TS3 Terminal Strip

HD-9130E-NV

RD-Red BK-Black BL-Blue GR-Green HT-High Temp WH-White

03/16/2017

Product Certifications and Applicable Codes

Standard XLT Oven Certifications ¹:**XLT Gas Ovens:**

1. ANSI Z83.11-2016/CSA 1.8-2016 Standard for Gas Food Service Equipment
2. ANSI /NSF 4-2014e Sanitation for Commercial Cooking Rethermalization & Powered Hot Food Holding & Transportation Equipment

XLT Electric Ovens:

1. ANSI/UL197-CSA C22.2 Commercial Electric Appliances
2. ANSI /NSF 4-2014e Sanitation for Commercial Cooking Rethermalization & Powered Hot Food Holding & Transportation Equipment

Standard XLT Hood Certifications ¹:

1. UL 710 Standard for Safety Exhaust Hoods for Commercial Cooking
2. ANSI/NSF 2 Sanitation Food Equipment
3. ULC-S646, Standard for Exhaust Hoods and Related Controls for Commercial and Institutional Kitchens

¹ The noted certifications for XLT ovens and XLT Hood are performed and documented by Intertek Testing Services NA Inc. 165 Main Street, Cortland, NY 13045. Intertek is a nationally and internationally certified testing and accreditation agency.

² The certifications for Australia are administered and verified by the Australian Gas Association 2 Park Way, PO Box 122, BRAESIDE, VIC 3195

³ 402 Hannuri-daero, Sejong-si, 339-012, Republic of Korea

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Oven Initial Start-up Checklist - Remove & Return to XLT Ovens

Step 1: Fill out all information and print legibly

XLT Ovens

PO Box 9090

Wichita, KS 67277

Start-Up Information

Date of Start-Up: _____

Start-Up by: _____

Phone #: _____

Installer Information

Date of installation: _____

Installed by: _____

Company: _____

Phone #: _____

email: _____

Oven Size: ☐ 3240 ☐ 3255

☐ 4455-1B ☐ 3270-1B

Heat Source: ☐ Natural Gas ☐ LP

Fire Suppression Installed: ☐ Yes ☐ No

Contact Information

Store Name: _____ Address: _____

City: _____ State: _____ Zip: _____ Phone #: _____

Email: _____ Contact Person: _____

HVAC/Contractor Contact: _____ **Address:** _____

City: _____ State: _____ Zip: _____ Phone #: _____ Cell: _____

Email: _____

Facility Information: ☐ Freestanding ☐ Strip Mall ☐ New construction ☐ Existing location ☐ Remodel

Oven Location: ☐ Against wall ☐ In corner ☐ Island

Utilities present at installation: ☐ Electric ☐ Gas Restraint Cable installed on bottom oven: ☐ Yes ☐ No

Customer or store operator shown how to disassemble and clean ovens and hood: ☐ Yes ☐ No

Hood manufacturer _____ All Oven/Hood features explained: ☐ Yes ☐ No

☐ XLT ☐ Other _____ Interlock system for non-XLT hood: ☐ Yes ☐ No

Gas Requirements

Gas Line Size: _____ Teflon Tape: ☐ Yes ☐ No

If Gas line is not at least 1-1/2" contact store owner

Shut off valve accessible after installation: ☐ Yes ☐ No

One shut off valve per oven: ☐ Yes ☐ No

Sediment Trap installed: Building ☐ Yes ☐ No

Oven ☐ Yes ☐ No

If No contact store owner this voids warranty

Gas line purged of air prior to installation: ☐ Yes ☐ No

Fittings tested for gas leaks: ☐ Yes ☐ No

List all gas appliances in store (with gas requirements)

Oven #1: _____ Btu

Oven #2: _____ Btu

Oven #3: _____ Btu

Oven #4: _____ Btu

Water Heater: _____ Btu

Furnace: _____ Btu

Other: _____ Btu

Total gas requirements for store: _____ Btu

Regulator Capacity: _____ Btu

Meter Capacity: _____ Btu

Are all appliances operable ☐ Yes ☐ No

Electrical

Electrical utilities accessible: ☐ Yes ☐ No

Separate electrical circuit per oven: ☐ Yes ☐ No

Electrical Supply (per oven):

_____ Volts _____ Amps

_____ Hz _____ Phase

NOTE: Do not exceed 65 Hz on VFD settings

Oven Initial Start-up Checklist - Remove & Return to XLT

NOTE: Peel all PVC during installation (page 7).
Take off front panel and remove finger clips (steps 1-3, page 29).
Check for proper installation and placement of return air/end loss plates (step 6, page 42).

Step 2: Place 1 control box in service position. Hook manometer to top port on gas valve and document incoming gas pressure. Refer to the Parts & Service Manual for Oven Service Procedures.

Inlet Pressures: **Static Pressure:** Is WC within 6-14" WC for Natural Gas or 11-14" WC for LPG.
☐ Yes ☐ No, contact store owner to adjust. ____ Initial

Step 3: Place all control boxes in service position and adjust high bias gas pressure per Parts & Service Manual. Start each oven and complete form below.

<u>Oven #1</u>	Verify Existing Serial # ☐ N/A	Fingers in proper location: ☐
Serial #: _____	Remove finger shipping clips: ☐	
Left Burner:	Right Burner:	
High Bias: _____ Shutter Setting: _____	High Bias: _____ Shutter Setting: _____	
<u>Oven #2</u>	Verify Existing Serial # ☐ N/A	Fingers in proper location: ☐
Serial #: _____	Remove finger shipping clips: ☐	
Left Burner:	Right Burner:	
High Bias: _____ Shutter Setting: _____	High Bias: _____ Shutter Setting: _____	
<u>Oven #3</u>	Verify Existing Serial # ☐ N/A	Fingers in proper location: ☐
Serial #: _____	Remove finger shipping clips: ☐	
Left Burner:	Right Burner:	
High Bias: _____ Shutter Setting: _____	High Bias: _____ Shutter Setting: _____	
<u>Oven #4</u>	Verify Existing Serial # ☐ N/A	Fingers in proper location: ☐
Serial #: _____	Remove finger shipping clips: ☐	
Left Burner:	Right Burner:	
High Bias: _____ Shutter Setting: _____	High Bias: _____ Shutter Setting: _____	

Step 4: Document the dynamic pressure with all the gas appliances running.

Inlet Pressures: **Dynamic Pressure:** Is WC within 6-14" WC for Natural Gas or 11-14" WC for LPG.
☐ Yes ☐ No, contact store owner to adjust. ____ Initial

Installation & Operation Manual presented to store operator:	☐ Yes ☐ No
Customer or store operator shown how to disassemble and clean ovens :	☐ Yes ☐ No
All oven features explained:	☐ Yes ☐ No
Ovens ran for 30 min:	☐ Yes ☐ No
Air-born contaminates: ☐ Flour ☐ Cornmeal ☐ Grease Other _____	
On-Site food prep: ☐ Yes ☐ No	Test cook performed: ☐ Yes ☐ No
Product: _____	

Customer Signature: _____ Date: _____

Hood Initial Start-up Checklist - Remove & Return to XLT

Step 1: Fill out all information and print legibly

XLT
PO Box 9090
Wichita, KS 67277
FAX: 316-943-2769

Installer Information

Date of installation: _____
Installed by: ☐ XLT ☐ Other _____
Company: _____
Phone #: _____
Email: _____

Hood Size: ☐ 1832 ☐ 2440 ☐ 3240
☐ 3255 ☐ 3270 ☐ 3855
☐ 3870

Contact Information

Store Name: _____ Address: _____
City: _____ State: _____ Zip: _____ Phone #: _____
Email: _____ Contact Person: _____

HVAC/Contractor Contact: _____ Address: _____
City: _____ State: _____ Zip: _____ Phone #: _____ Cell: _____
Email: _____

Step 2: Verify all information is correct before turning hood on

Serial #: _____

Incoming power supplied:
_____ Volts _____ Amps
_____ Hz _____ Phase
Number of bends in duct run: _____ 45° _____ 90°

Height from bottom of hood to finished floor:
_____ Inches
Length of duct run (from top of hood to fan):
_____ Feet _____ Inches
Exhaust fan serial #: _____
Rating of exhaust fan: _____ CFM

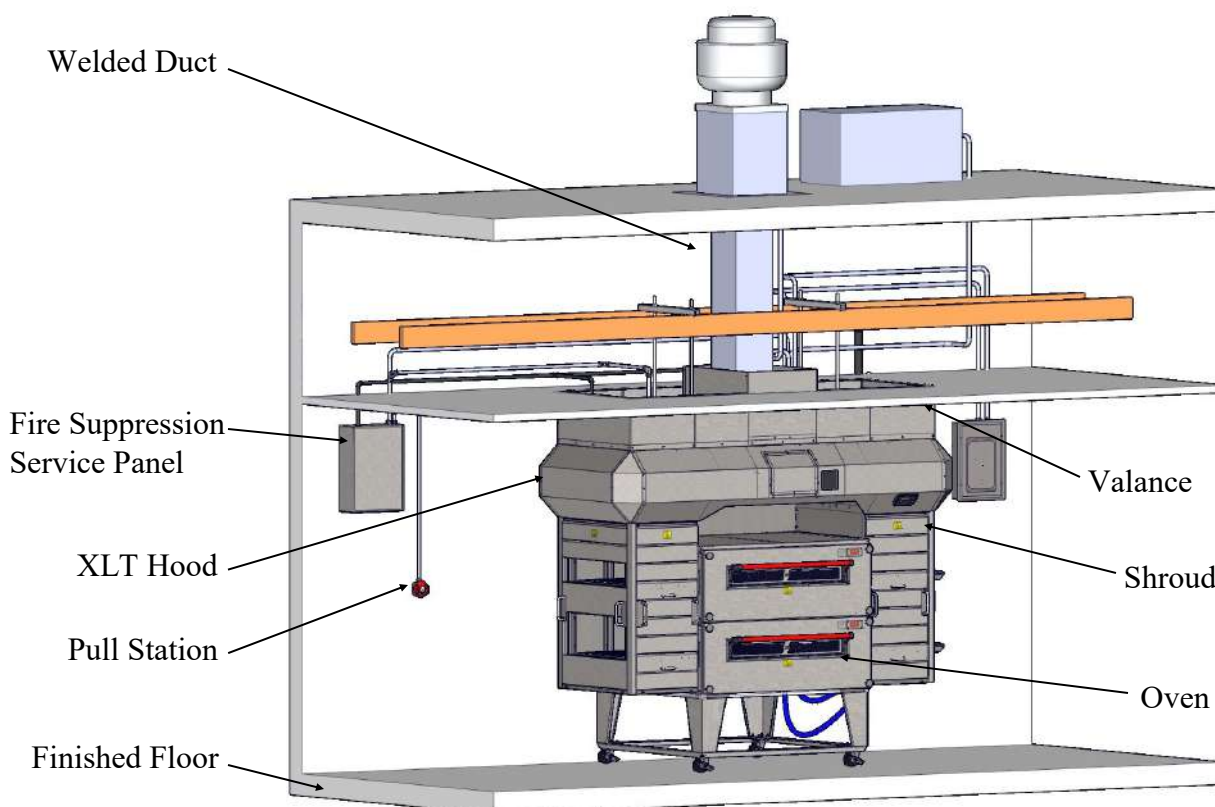
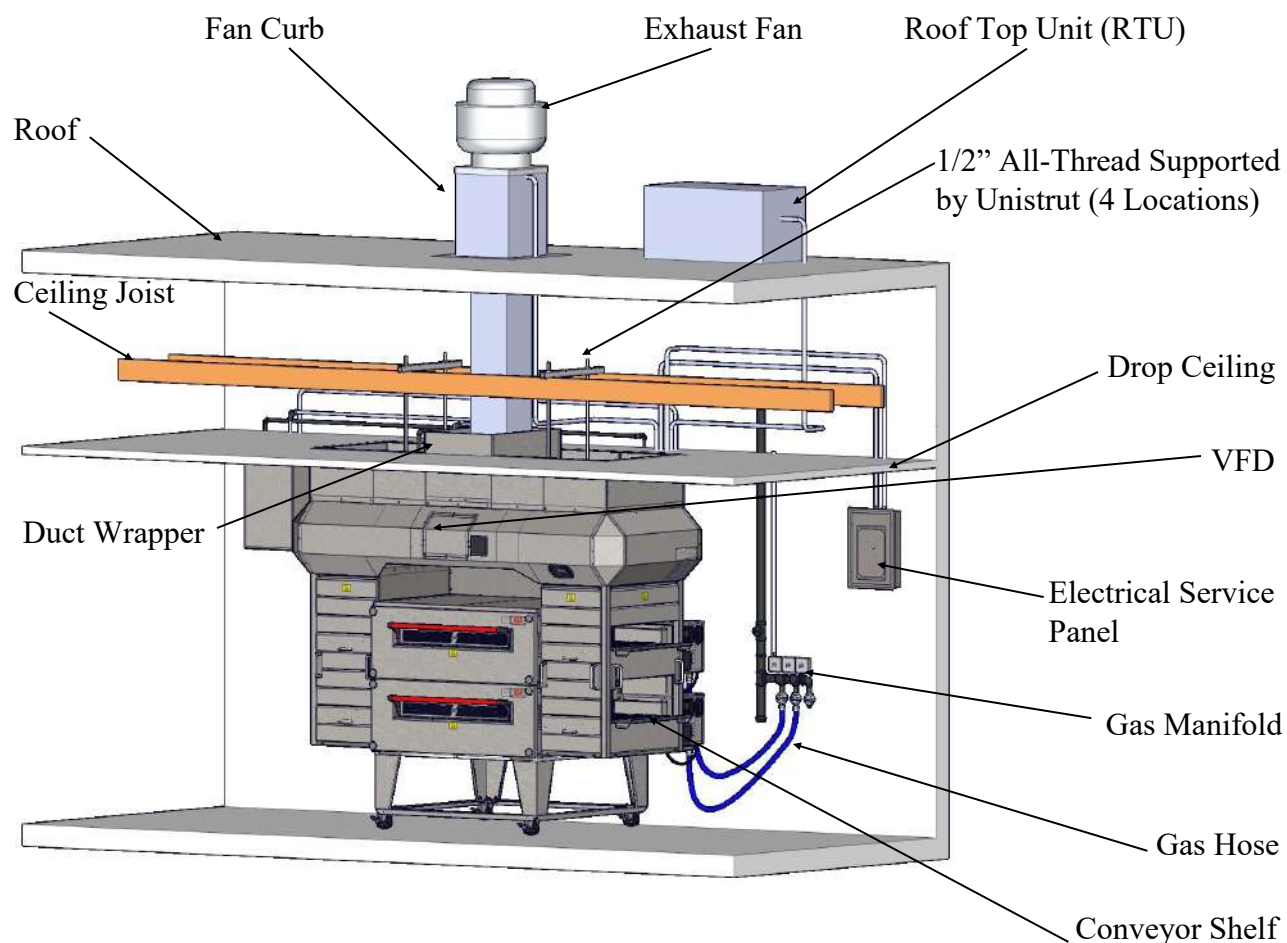
Hood hung prior to oven installation: ☐ Yes ☐ No	Oven switch cords connected to hood: ☐ Yes ☐ No
Hood hung to local codes: ☐ Yes ☐ No	Lights operate: ☐ Yes ☐ No
All shroud panels properly installed: ☐ Yes ☐ No	Light globes installed over bulbs: ☐ Yes ☐ No
Grease filters properly installed: ☐ Yes ☐ No	Exhaust fan purchased from XLT: ☐ Yes ☐ No
Grease trays properly installed: ☐ Yes ☐ No	Correct fan rotation: ☐ Yes ☐ No
Crumb trays easily removable: ☐ Yes ☐ No	HUI properly programmed: ☐ Yes ☐ No
Oven power cords connected to hood: ☐ Yes ☐ No	Smoke test performed: ☐ Yes ☐ No
	Air balance test performed: ☐ Yes ☐ No

Customer or store operator shown how to disassemble and clean hood : ☐ Yes ☐ No
All hood features explained: ☐ Yes ☐ No

Notes: _____

Customer Signature: _____ Date: _____

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XLT Ovens
PO Box 9090
Wichita, Kansas 67277

US: 888-443-2751 FAX: 316-943-2769 INTL: 316-943-2751 WEB: www.xltovens.com