

J&R OFFSET SMOKERS

JEFE

MODELS 1000,500,250

OPERATIONS AND SERVICE MANUAL



J&R MANUFACTURING

820 W. Kearney, Suite B
Mesquite, TX 75149

(972) 285-4855

(800) 527-4831

⚠️ ADVERTENCIA

Leer y comprender el Manual de operaciones y servicio antes de usar esta máquina.

El incumplimiento de las instrucciones de operación podría causar lesiones graves o daño al equipo.



⚠️ WARNING

Read and understand operations and service manual before using this machine.

Failure to follow operating instructions could result in personal injury or damage to equipment.

⚠️ ADVERTENCIA

Riesgo de explosión

1. Nunca utilizar químicos volátiles como líquido para encender carbón, gasolina, grasa, etc., para encender o ayudar a prender un fuego. Nunca utilizar gas (natural o propano). Utilizar únicamente leña o ayudas que sean sólidas (poco volátiles) para encender el fuego.
2. Siempre deberá "RETIRARSE" por lo menos un minuto antes de abrir cualquier puerta para evitar retrocesos de la llama.



⚠️ WARNING

Explosion hazard

1. Never use volatile chemicals such as charcoal lighter fluid, gasoline, grease, etc. to start or aid fire. Never use gas (natural or propane). Use only kindling or safe (low volatility) solid fire starting aids.
2. Always "EVAC" for at least one minute before opening any door to avoid flashbacks.

SN _____

WARNINGS!

Disposal of Ashes

Ashes should be placed in a metal container with a tight-fitting lid. J&R offers ash carts suitable for this purpose. The closed container of ashes should be placed on a noncombustible floor or on the ground, well away from all combustible materials, pending final disposal. If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all cinders have thoroughly cooled.

Creosote – Formation and Need for Removal –

When wood is burned slowly, it produces tar and other organic vapors, which combine with expelled moisture to form creosote. The creosote vapors condense in the relatively cool chimney flue of a slow-burning fire. As a result, creosote residue accumulates on the flue lining. When ignited this creosote makes an extremely hot fire. The chimney connector and chimney should be inspected at least twice monthly to determine if a creosote buildup has occurred. If creosote has accumulated it should be removed to reduce the risk of a chimney fire.

Dedicated flue

If this unit is to be directly vented (no exhaust hood) do not connect to a flue serving another appliance.

DANGER-Risk of Fire or Explosion

Do not burn garbage, gasoline, drain oil or other flammable liquids

WARNING-Risk of Fire

Do not operate with flue draft exceeding 0.03 in. water column.
Do not leave fuel loading or ash removal doors open.
Do not store fuel or other combustible material within marked installation clearances.
Inspect and clean flues and chimney regularly

If the thermometers indicate an excessively high temperature (in excess of 400 degrees), **Do NOT OPEN THE DOORS** as there may be a grease fire inside. Open the doors only after it cools down. Contact your supervisor (if applicable) while continuing to observe the pit. If you observe any flames, or perceive any fire threat, immediately contact the local fire department.

CAUTION-Hot Surfaces

Keep children away.
Do not touch during operation.

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MANUFACTURED BY:

J & R MANUFACTURING

Rev. 04-24

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INSTALLATION INSTRUCTIONS

MODELS 1000, 500, 250

SHIPPING

The unit will be shipped fully assembled. A Jefe 1000 will weigh 4,000 pounds, a Model Jefe 500, 2,200 pounds and a Jefe 250, 1,800 pounds. The meat racks will be packed inside the meat compartment. There will be a grease drain valve packed with the unit.

HANDLING

Each model can be handled with a forklift with a 6000 pound capacity. The extra capacity lift is necessary due to the size of the units. Whenever possible the units should be trucked from the rear.

FOUNDATION

It is recommended that the unit be placed on a four to six inch thick concrete pad

Whether a pad is used or not, the pit must be installed on a solid, level, non-combustible surface.

DRAIN

There is one drain connection on the pit at the bottom. This drain is for draining grease daily and for draining the pit after washing.

Venting Requirements

In all cases, it is imperative to obtain the approval of the AHJ (Authority Having Jurisdiction). This will typically be the mechanical inspection department of the local municipality's building inspection division and/or the local fire marshal.

CLEARANCES

The unit must be installed on a non-combustible floor.

this unit must be installed to conform to the following minimum clearances (in inches):

From non-combustible walls:

Back and Sides: 0

Front: 48

From combustible walls:

Front: 48

Back and sides: 48

OPERATING INSTRUCTIONS

START-UP

After the pit is installed, leveled, and stacked, check for proper operation by starting a fire and heating the pit up to operating temperature. Allow the pit to reach the desired temperature. As mentioned below, operate the pit without meat for several hours. After that, watch for clean "blue smoke" from the stack. It is time to load meat and cook!

After allowing the fire to burn down, close the doors and control the temperature and smoke with the dampers located on the firebox and atop the smokestack. Smoke is contained within the chambers, which will reduce burn while imparting more smoke flavor.

BUILDING A FIRE

NEVER USE CHARCOAL LIGHTING FLUID, GASOLINE, OR OTHER VOLATILE FUELS TO START THE FIRE. Load several small pieces of wood in the firebox.

Generally, any nut or fruit bearing hardwood would be acceptable. For best results, the wood should be relatively green (cut within two months). Start the fire by using kindling, or safe (low volatility) solid fire starting aids. As the fire becomes established, add more wood to the fire until the firebox is about one-half to three-fourths full. Since you will probably be cooking every day, subsequent fire starting will be much easier. Live red coals will last about two days in the firebox, so restarting a fire is simply accomplished by loading fresh wood onto these live coals. Wood should be 24 inches long and up to 8 inches in diameter (logs should be split if larger than 8 inches in diameter).

MEAT LOADING

The first time the pit is fired, it is recommended that you allow it to operate it for several hours while empty. This allows any residues (oil, paper, etc. to be removed. After this is done you may load meat onto the racks.

SUGGESTED COOKING TIMES AND TEMPERATURES

MEAT ITEM	TEMPERATURE	COOKING TIME
Beef Brisket (12 – 14 Lbs.)	200° F.	14 Hours
Pork Shoulder (12 – 14 Lbs.)	200° F.	14 Hours
Pork Ribs (3 and down)	250° F.	3 Hours
Sausage	225° F.	1 Hour
Hams (pre-cooked)	225° F.	2 Hours
Turkeys (whole)	250° F.	45 Min.per Lb.
Chicken Halves	250° F.	2 Hours

With the exception of turkeys and ribs, most pit operators do nothing to prepare meats prior to cooking. Usually, a dry seasoning mix (pepper, paprika, brown sugar, etc.) is sprinkled or rubbed onto ribs. Sometimes a liquid mixture of spices is injected beneath the skins of turkeys. Refer to our recipe book for more detailed information.

GREASE

Grease and water from the meat you cook will accumulate in the bottom of the cooking compartment. This should be drained from the pit daily.

NOTE: Drain all grease and water out of the pit immediately after cooking poultry or seafood.

FIREBOX ASHES

Remove excess ashes daily to provide good air circulation among the logs in the firebox. Leave enough live coals in the firebox to ignite a new fire. Most operators shovel the ashes out of the firebox and into a metal container (such as a J&R Mfg. ash cart and store the container in a safe location (away from combustibles).

MAINTENANCE AND CLEANING

MODELS 1000, 500, 250

PIT DESIGN

Smoke and heat from the firebox enter the cooking chamber via a flue at the rear of the firebox.

Temperature control is effected by regulating the flow of combustion air into the firebox and the discharge from the cooking chamber.

MAINTENANCE SCHEDULE

DAILY

- 1) Drain liquid from the pit and discard.
- 2) Remove excess ashes from the firebox and store/discard safely.
- 3) Clean the inside of the front doors and the inside of the firebox door.

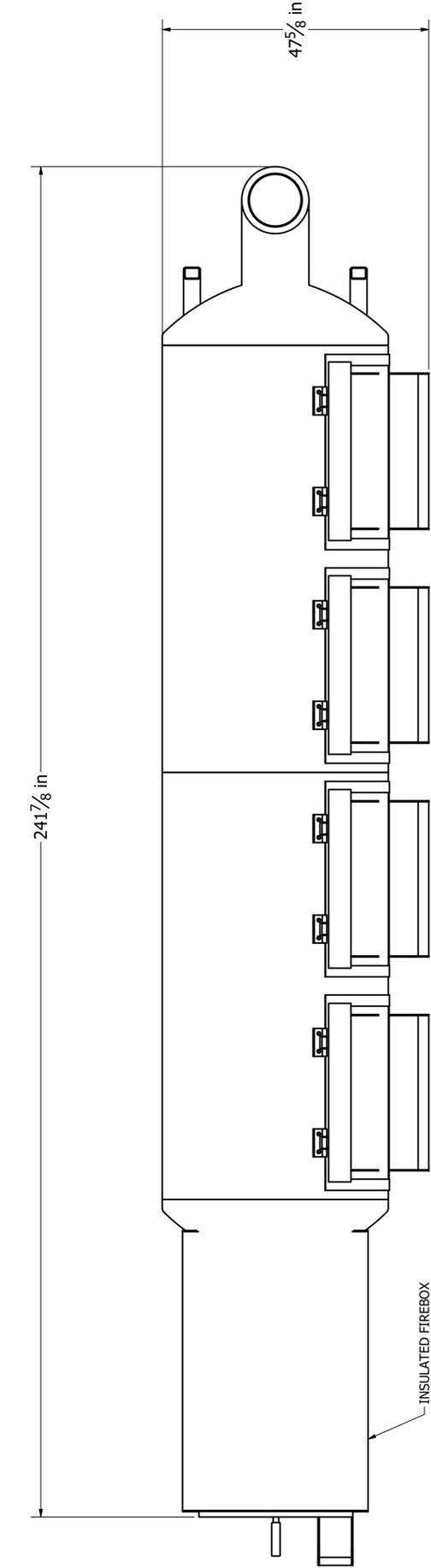
WEEKLY It is recommended that once a week you shut your unit down and clean it as follows:

RACKS: Remove the racks from the pit and either

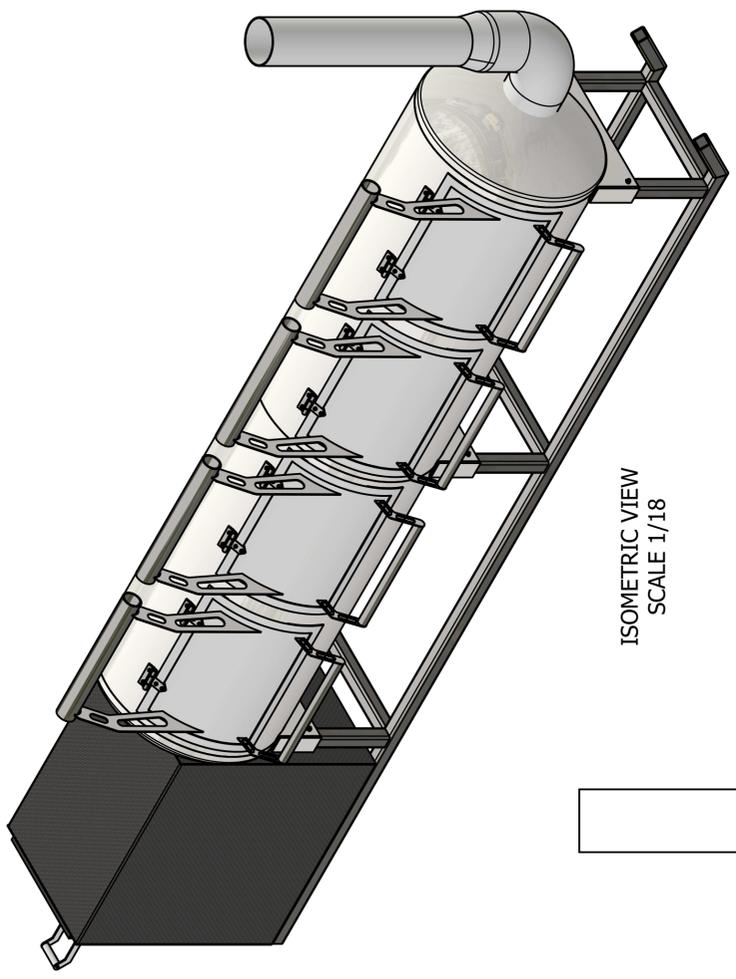
- (a) Use detergent and hot water to clean them, or
- (b) Use a high pressure hot water cleaning machine, or
- (c) Use a wire brush to remove the residue, or

PIT INTERIOR: After draining all the liquid from the pit, you can either

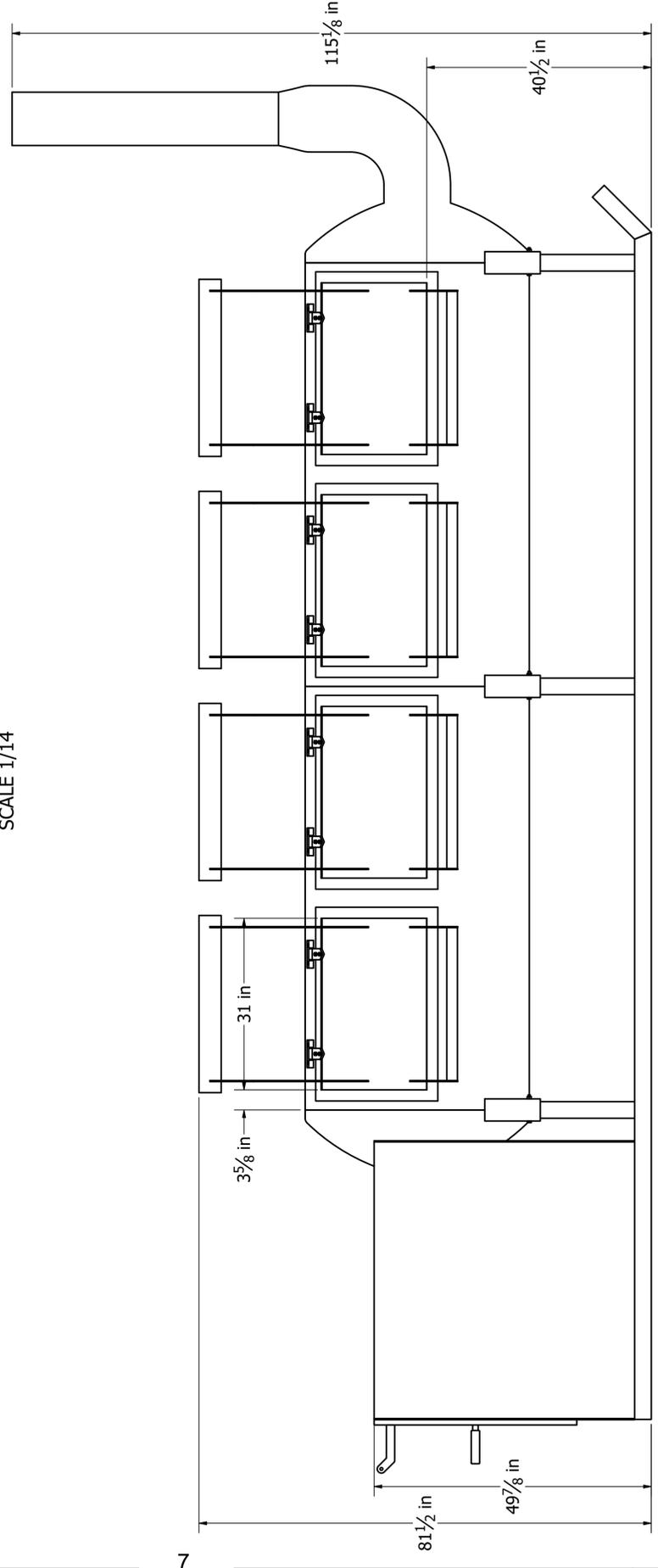
- (a) Use detergent (or buffered oven cleaner) and high pressure water, or
- (b) Use a steam cleaning machine, or
- (c) If high pressure water or a steam cleaning machine is not available, use a high strength buffered oven cleaner and spray it onto the interior oven surfaces. Dilute the cleaner as directed on the label. Use some type of pump sprayer to apply the solution onto the oven interior surfaces. Let the solution set for about 15 minutes and wash the interior walls with water (hot water, if available), or
- (d) Use a scraper and shovel to remove the residue and flush with detergent and hot water.



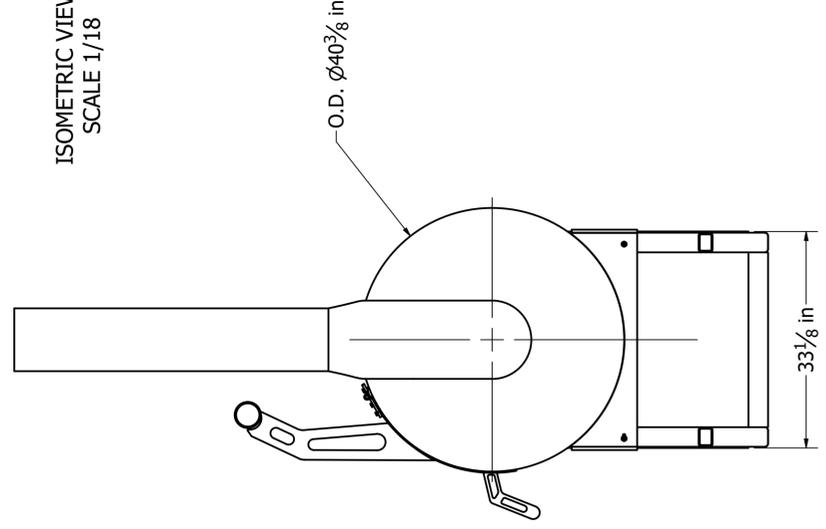
TOP VIEW
SCALE 1/14



ISOMETRIC VIEW
SCALE 1/18



FRONT VIEW
SCALE 1/14



RIGHT SIDE VIEW
SCALE 1/14

NOTES:

1. FUEL IS TO BE WOOD OR CHARCOAL.
2. CLEARANCES FROM NON-COMBUSTIBLE WALLS SHOULD BE 48 INCHES FROM FRONT, 0 INCHES FROM THE BACK AND SIDES.
3. CLEARANCES FROM COMBUSTIBLE WALLS SHOULD BE 48 INCHES FROM THE FRONT, 48 INCHES FROM BACK AND SIDES WITHOUT THE UPPER ENCLOSURE.
4. CLEARANCES FROM COMBUSTIBLE WALLS SHOULD BE 48 INCHES FROM THE FRONT, 2 INCHES FROM BACK AND SIDES WITH THE UPPER ENCLOSURE PANELS.
5. UNIT TO BE INSTALLED ON A NON-COMBUSTIBLE FLOOR.
6. VENTILATION MUST BE DONE IN COMPLIANCE WITH NFPA 96 AND ANY LOCAL CODES. ADEQUATE COMBUSTION AIR MUST BE SUPPLIED. FIRE SUPPRESSION SYSTEM AND HOOD TO BE SUPPLIED BY OTHERS.
7. CUSTOMER IS RESPONSIBLE FOR CONFIRMATION OF ACCESSIBILITY INTO BUILDING AND OF UNIT DESIRED LOCATION.

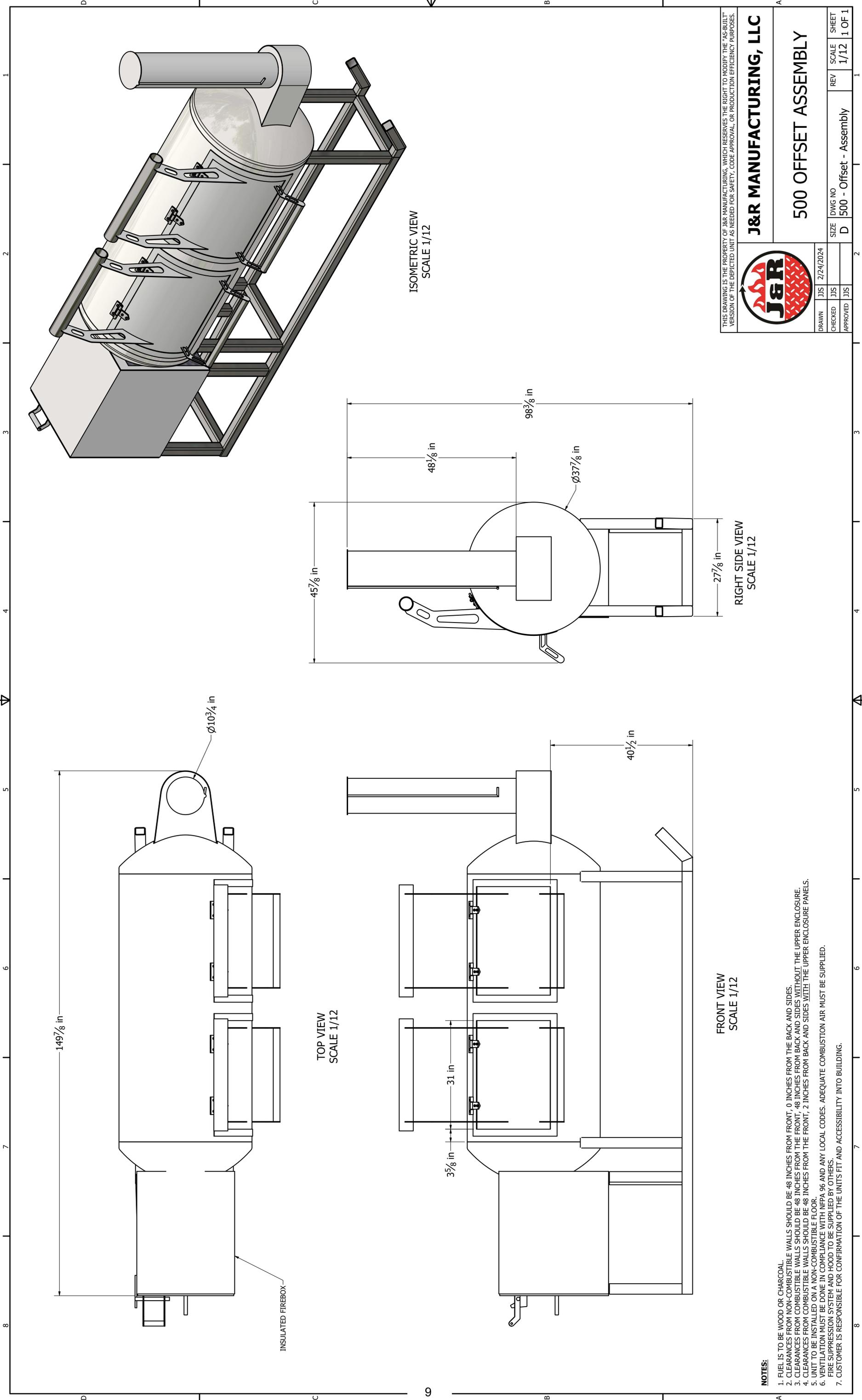
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J&R MANUFACTURING, LLC

OFFSET ASSEMBLY

DRAWN	JIS	7/28/2023	SIZE	D	DWG NO	REV	SCALE	SHEET
CHECKED	JIS						1/14	1 OF 1
APPROVED	JIS							



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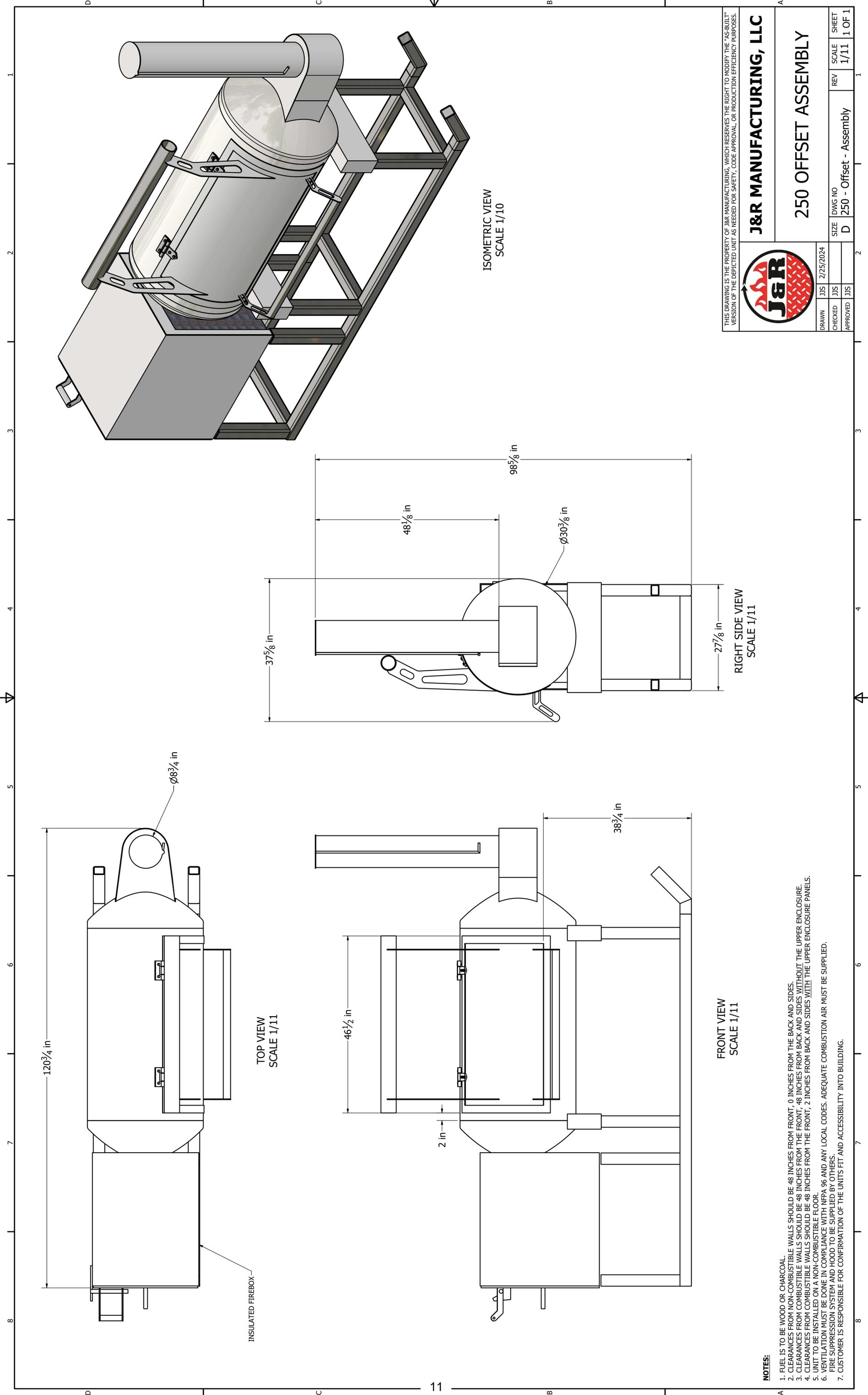
J&R MANUFACTURING, LLC

500 OFFSET ASSEMBLY

DRAWN	JIS	2/24/2024	REV	SCALE	SHEET
CHECKED	JIS		D	1/12	1 OF 1
APPROVED	JIS		500 - Offset - Assembly		

NOTES:

- FUEL IS TO BE WOOD OR CHARCOAL.
- CLEARANCES FROM NON-COMBUSTIBLE WALLS SHOULD BE 48 INCHES FROM FRONT, 0 INCHES FROM THE BACK AND SIDES.
- CLEARANCES FROM COMBUSTIBLE WALLS SHOULD BE 48 INCHES FROM THE FRONT, 48 INCHES FROM BACK AND SIDES WITHOUT THE UPPER ENCLOSURE.
- CLEARANCES FROM COMBUSTIBLE WALLS SHOULD BE 48 INCHES FROM THE FRONT, 2 INCHES FROM BACK AND SIDES WITH THE UPPER ENCLOSURE PANELS.
- UNIT TO BE INSTALLED ON A NON-COMBUSTIBLE FLOOR.
- VENTILATION MUST BE DONE IN COMPLIANCE WITH NFPA 96 AND ANY LOCAL CODES. ADEQUATE COMBUSTION AIR MUST BE SUPPLIED.
- FIRE SUPPRESSION SYSTEM AND HOOD TO BE SUPPLIED BY OTHERS.
- CUSTOMER IS RESPONSIBLE FOR CONFIRMATION OF THE UNITS FIT AND ACCESSIBILITY INTO BUILDING.



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J&R MANUFACTURING, LLC

250 OFFSET ASSEMBLY

DRAWN	JIS	2/25/2024	REV	SCALE	SHEET
CHECKED	JIS		D	1/11	1 OF 1
APPROVED	JIS		250 - Offset - Assembly		

NOTES:

- FUEL IS TO BE WOOD OR CHARCOAL.
- CLEARANCES FROM NON-COMBUSTIBLE WALLS SHOULD BE 48 INCHES FROM FRONT, 0 INCHES FROM THE BACK AND SIDES.
- CLEARANCES FROM COMBUSTIBLE WALLS SHOULD BE 48 INCHES FROM THE FRONT, 48 INCHES FROM BACK AND SIDES WITHOUT THE UPPER ENCLOSURE.
- CLEARANCES FROM COMBUSTIBLE WALLS SHOULD BE 48 INCHES FROM THE FRONT, 2 INCHES FROM BACK AND SIDES WITH THE UPPER ENCLOSURE PANELS.
- UNIT TO BE INSTALLED ON A NON-COMBUSTIBLE FLOOR.
- VENTILATION MUST BE DONE IN COMPLIANCE WITH NFPA 96 AND ANY LOCAL CODES. ADEQUATE COMBUSTION AIR MUST BE SUPPLIED.
- FIRE SUPPRESSION SYSTEM AND HOOD TO BE SUPPLIED BY OTHERS.
- CUSTOMER IS RESPONSIBLE FOR CONFIRMATION OF THE UNITS FIT AND ACCESSIBILITY INTO BUILDING.

WARRANTY

J & R MANUFACTURING warrants its equipment against defective parts and workmanship under normal use and when installed in accordance with manufacturer's recommendations for a period (after date of shipment*) of twelve (12) months on parts and ninety (90) days on labor with the following provisions:

1. This warranty does not apply if problems or claims are the result of: (a) damage in transit (equipment becomes owner's property upon shipment from factory and owner must file claim with transport company); (b) misuse, neglect, improper maintenance, and or unauthorized alterations to equipment; (c) improper installation of exhaust stacks, air supply, and extraneous exhaust systems; (d) improper voltage hook-up; (e) wind, rain, hail, fire and acts of God.
2. In-warranty replacement parts will be credited only upon receipt and inspection of defective parts at the factory. All shipping charges are the responsibility of the owner, but, at the discretion of J&R Manufacturing, ground shipping charges may be waived or credited.
3. Labor to remove, replace, or repair defects under this warranty must be authorized by factory. Premium time (overtime) and travel time are not included in the warranty.
4. Sales, excise, and other taxes, food loss, and down-time are not covered under this warranty.
5. The removal of manufacturer's nameplate(s) voids the warranty.

It is the aim of J & R Manufacturing to build the finest equipment possible and to facilitate quick solutions to all problems that might arise with the lowest expense possible to the user(s). To help us achieve this goal, please follow these procedures:

1. Telephone our service department at 972-289-0801 at the first sign of a problem. Have ready the Model and Serial Number of your equipment.
2. Cooperate with our Service Department by making certain visual checks as requested. Most problems are quick and easy to pinpoint and resolve.
3. In the event it is necessary to use a service company, the factory will contact its authorized service agency. If no authorized service agency is available, please recommend a service company. The use of a service company not specifically authorized by our Service Department at factory headquarters may invalidate this warranty.

*** or provable start up date, whichever is later (start up must be within 12 months of ship date)**

Remember to contact J&R for any additional information you need or to order replacement parts or accessories.

Accessories include:

Ash Carts

Wood Carts

Ash Rakes

Contact J&R:

972-285-4855 (Main)

sales@jrmanufacturing.com

www.jrmanufacturing.com