



"IMPORTANT"

"S" SERIES INSTALLATION & ADJUSTMENTS OF INCINERATOR & CONTROLS / TOP LOAD / GAS

Once the main body (refuse chamber) of the incinerator has been placed on the concrete slab and is leveled, *FOR S-18, S-27, S-27-T RAISE FRONT OF UNIT 1/4" AND PLACE SHIMS UNDER BOTH FRONT CORNERS* The load door counter weight and stacks may be installed. Sufficient bolts, nuts and high temperature mortar to install stacks are packaged in main body chamber.

FOLLOW THIS PROCEDURE:

Door:

1. Open main load door and lock in the open position. Remove counter weight from the incinerator and bolt to the load door counter weight arm.
2. Once installed, remove cover plate from counter weight and pour in the additional counter weight material located inside the incinerator.

Stacks:

1. Spread a thin layer of high-temperature mortar on the top of the base section indicated by a 3/4" coupling located 4 ft from bottom of the stack, ~~or middle (plain) section if three stacks are supplied.~~
2. Set top stack section (plain) on top of lower stack section and bolt together. Making sure the probe stack is the bottom section.
3. Continue the process until all stacks have been bolted together.
4. Spread a thin layer of high-temperature mortar on top of afterburner.
5. Set **all** stacks at once on top of afterburner and bolt in place.

* Note: Rotate stack so that 3/4" coupling lines up with thermocouple conduit.

You & RI { After incinerator stack is set, the thermocouple probe must be connected. The probe is installed into the 3/4" pipe coupling located in the bottom stack section. However, the thermocouple wire has been left unconnected.

1. Screw probe into stack coupling loosely.
2. Remove cover from probe terminals.
3. Insert probe wire through flex provided (packaged in main body chamber).
4. Connect yellow wire to (+) positive terminal.
5. Connect red wire to (-) negative terminal.
6. Replace probe terminal cover.



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Electrical power can now be connected to the unit.

Normal electrical service is 115 volts, single phase, 60 Hz with a total maximum load of 20 amps. It should be supplied to the panel from a separate branch circuit on the nearest distribution panel, with no other shut-off means except for the disconnect where required by code.

See electrical print in section 5 before connecting power to unit.

The gas should now be connected.

1. Gas
 - a. Connect gas line to regulator provided on unit.
 - b. Check all gas fittings for leaks (vibration from shipment).

The gas line should preferably be a separate line direct from the meter. If it is to use an existing line it should be checked to determine whether it can handle the new load without excessive pressure drop. When branching off of an existing gas line do not tap off from the bottom of horizontal sections.

The unit is now ready to fire.

1. Slowly open gas valves.
2. Purge the gas line to the regulator.
3. Trip electrical breakers to "ON" position.

Before proceeding, set the "Run" timer and push the "START" button. Turn to the curing instructions and set the temperature controllers for cure out!

1. Turn the control burner switch to the "ON" position.
2. The control burner switch may have to be turned "OFF" and "ON" several times to purge the gas line and reset the flame safety.
3. Turn the refuse burner switch to the "ON" position.
4. The refuse burner switch may have to be turned "OFF" and "ON" several times to purge the gas line and reset the flame safety.

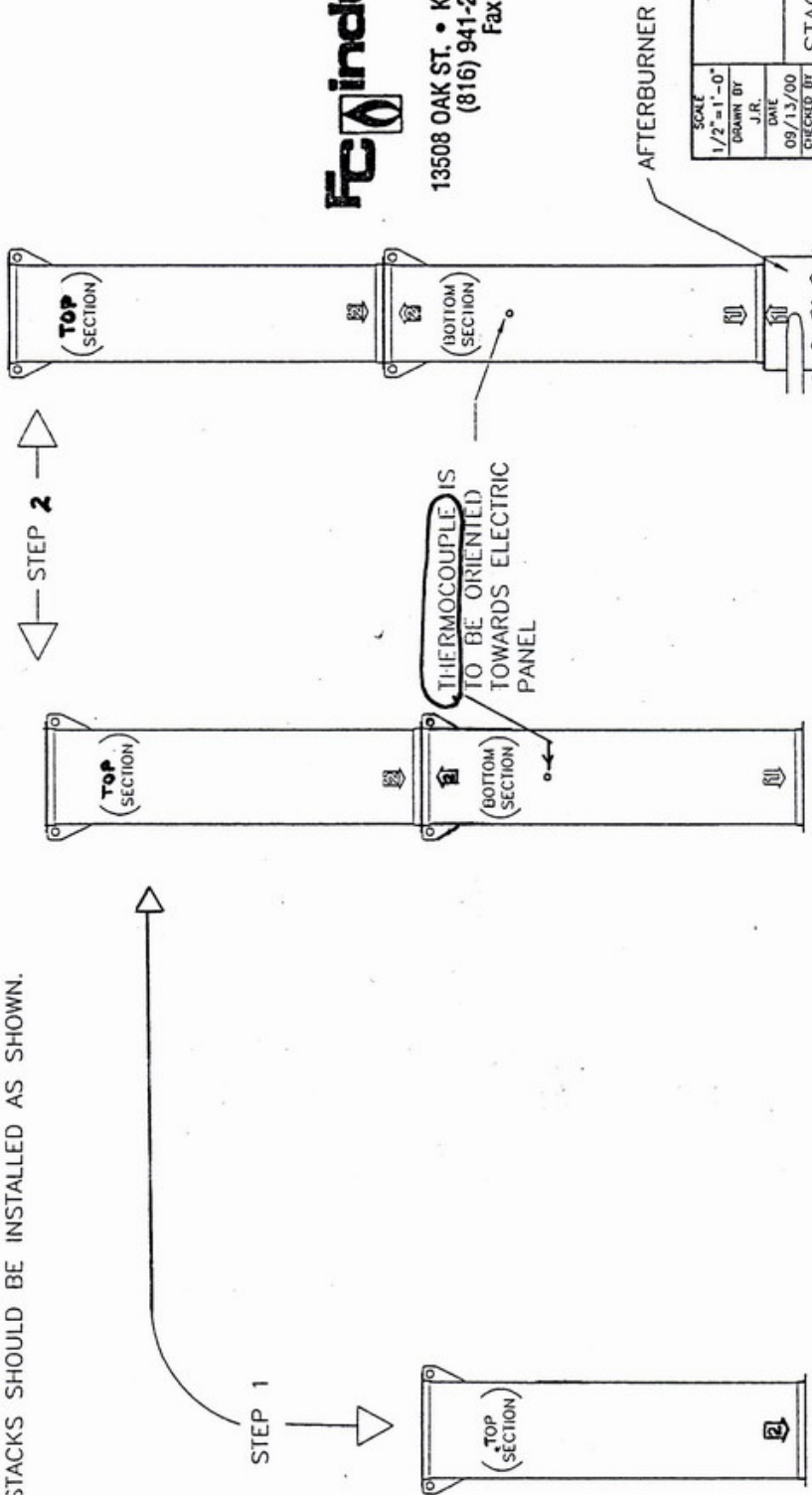
The burners and air have been preset at the factory. However, if the unit tends to burn too rapidly with traces of smoke, then the primary dampers at the rear of the unit should be closed slightly and the control chamber air dampers located on the control chamber opened slightly (see operational settings page).

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"S" MODELS
 WITH 2-STACK
 SECTIONS

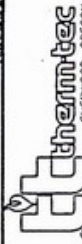
STEP 1:
 PLACE **TOP** STACK ON BOTTOM STACK WITH THERMOCOUPLE (#1)
 (SEE PAGE TWO FOR BOLTING)
 STEP 2:
 PLACE STACKS ON AFTERBURNER
 NOTE: STACK #1 TO AFTERBURNER REQUIRES NO NUTS

PLEASE NOTE:
 ON STACK #1 THERMOCOUPLE (3/4" COUPLING) IS TO BE ORIENTED TOWARDS
 ELECTRIC PANEL.
 ALL STACKS SHOULD BE INSTALLED AS SHOWN.



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AFTERBURNER

SCALE 1/2"=1'-0"	DESIGNED BY J.R.	DATE 09/13/00	CHECKED BY
			TOLERANCES UNLESS NOTED OTHERWISE ± 1/32"
STACK ASSEMBLY DIAGRAM			CHANGE SHEET 1 OF 2

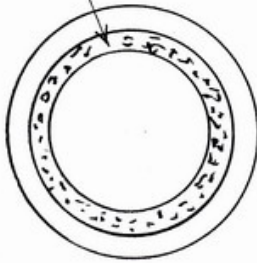
REVISIONS: NONE
 DATE: 09/13/00
 BY: J.R.
 DESCRIPTION: NONE
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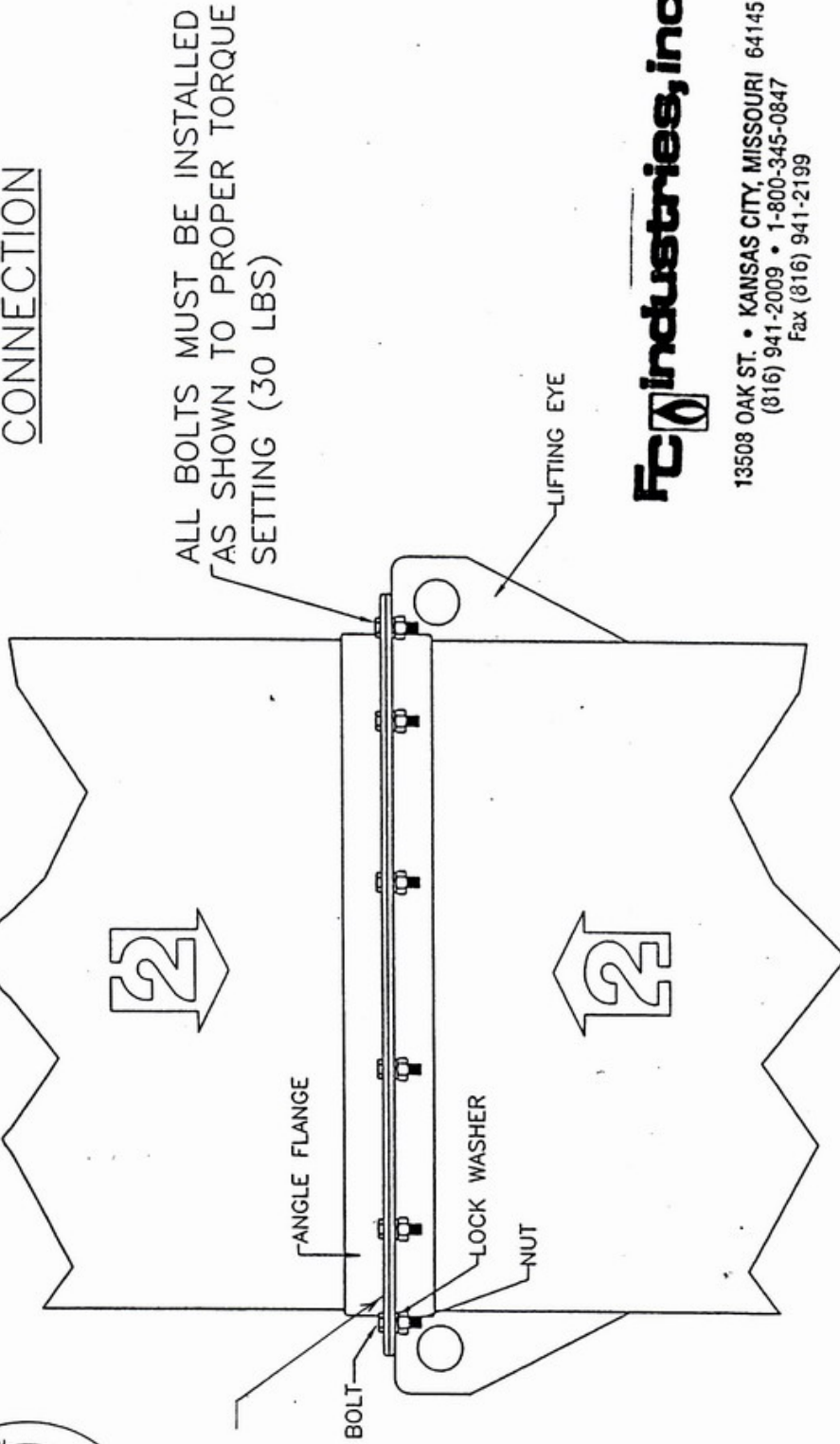
TYPICAL CONNECTION

MOISTEN REFRACTORY WITH WATER;
WITH SMALL PUTTY KNIFE, APPLY MASTIC
TO REFRACTORY PORTION OF THE STACK

TOP VIEW OF STACK



SPREAD THIN LAYER
OF MASTIC BETWEEN
STACKS. SEE DETAIL
ABOVE (TOP VIEW
OF STACK)



ALL BOLTS MUST BE INSTALLED
AS SHOWN TO PROPER TORQUE
SETTING (30 LBS)

LIFTING EYE

ANGLE FLANGE


LOCK WASHER

NUT

BOLT

FCI Industries, inc.

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SCALE	NTS	DRAWN BY	J.R.	DATE	09/13/00	CHECKED BY		 SHERWOOD, OREGON 97140	STACK ASSEMBLY DIAGRAM CHANGE
TOLERANCES UNLESS NOTED OTHERWISE HOLE IN WELD ± 1/32"									

REVISION	DATE	BY	DESCRIPTION	L/C
THIS DOCUMENT INCLUDES SUBJECT MATTER TO WHICH PATENT RIGHTS ARE CLAIMED. INVENTORS: JAMES W. SHERWOOD, OREGON AND ARTHUR W. MORTON, OREGON. THIS DOCUMENT IS NOT TO BE USED IN ANY MANNER WITHOUT CONSENT OF THE PATENT ATTORNEYS.				

