

## 2018 Paragon Kiln In-plant Maintenance Seminar

November 2 & 3, 2018 (Friday and Saturday)

Limited to 50 students

**Seminar Location: Paragon Kiln Factory, 2011 South Town East Blvd., Mesquite, Texas 75149 (next to Fuel City off Highway 80 at the Town East exit)**

**Seminar Hours: 9:00 a.m. - 5 p.m. Friday and Saturday**

**Please arrive at 8:30 a.m. each morning.**

We provide breakfast snacks and lunch on both days at the factory. On Friday night, we will treat you to a restaurant as our guest. There is no charge for the seminar or the meals.

Please fill out the form below and call, fax or email the information to SkyLynn Teel.

Voice 800-876-4328 or 972-288-7557

Fax 972-222-0646

skylynn@paragonweb.com

Please inform us of cancellations at least a week in advance. This seminar is on a first come, first serve basis.

Suggested Lodging:

Hampton Inn & Suites Dallas-Mesquite  
1700 Rodeo Dr, Mesquite, TX 75149  
972-329-3100

The Hampton Inn will be reserving guest rooms at a discounted rate of \$99.00 a night for Thursday, November 1, 2018 - Saturday, November 3, 2018. Please make your reservation by 5 pm CST on Thursday, October 17, 2018. It is on a first come first serve basis. You can make the reservations by calling 972-329-3100 or visiting [www.mesquitehampton.com](http://www.mesquitehampton.com).

### PARAGON KILN MAINTENANCE SEMINAR REGISTRATION FORM

(Please print)

Name \_\_\_\_\_

Phone \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_ Zip \_\_\_\_\_ Email \_\_\_\_\_

Dietary restrictions such as vegetarianism \_\_\_\_\_

T-Shirt Size \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

# 2018 Paragon Kiln In-plant Maintenance Seminar

As a seminar student, you will be our special guest, and we want your visit to be memorable. The seminar will be 75 - 80% hands-on training. Between short periods of class room instruction, students will break out to work on kilns, sometimes individually and sometimes in small teams.

In addition to a general factory tour, we will have training sessions at the assembly lines where you will learn how kilns are made. In the firebrick room, you will successfully cement bricks under the supervision of experts.

## Factory tour

- General factory tour

- Small kiln assembly line: Watch a kiln being assembled. Ask questions. Take notes.

- Round kiln assembly line: Watch a kiln being assembled. Ask questions. Take notes.

- Learn how lids and bottoms are made in the brick room.

## The Basics

- Basic Electricity

  - Direct wiring

  - Electrical safety

  - Series and parallel circuits

- How to read a wiring diagram

- How relays work: mechanical, mercury, and solid state

- Avoiding common kiln maintenance errors

- The Sentinel touch screen controller: Enter basic programs and update the software through wifi

## Kiln Diagnostics

- Controller display is blank

- Controller turns on but elements don't

- Kiln won't reach temperature

- Kiln won't turn off

- Circuit breaker trips

- Controller is inaccurate

- Erratic temperature readings during hold

- Controller error messages

## Hands-on Training

- Kiln CSI: Students will split up into small teams and work together to trouble shoot actual kilns.

- Multi-electrical kilns: How to convert between single and 3 phase

- How to use a multi-meter

  - Volts: transformer, relays, wall outlet

  - Ohms: testing elements

  - Amps: check kilns that fire slowly

- Cement bricks together in the brick room

- Repair firebricks damaged by glass

- Adjust the lid switch

- Adjust the door switch

- Install a new element connector

- Crimp wires

- Change a thermocouple

- Change a relay

- Change a Kiln Sitter porcelain tube