



Shake Shack (Oak Lawn, IL) - Commissioning

CheckList Information

Name :	Pre-Cx Hot Water Heaters and Sub Systems	Status :	NotSubmitted
Assigned Organization :	National TAB	Asset :	
Requesting Organization :	National TAB		

CheckList Item Details

IDENTIFICATION

Manufacturer tag information matches design/submittal information

Unit configuration and orientations are installed as per design

Unit Location is per design

GENERAL INSTALLATION

- [Open](#) EXPANSION_TANK_INSTALL_DETAIL.PNG
 - [Open](#) MULTIPLE_WATER_INSTANTANEOUS_WATER_HEATER_INSTALL_DETAIL.PNG
- Unit installed and casing in good condition
- Flue termination height and clearances per plumbing code
- Seismic / vibration isolation installed per specifications
- Instrumentation installed per specification (thermometers, pressure gauges, flow meters, etc)
- Combustion air supply complete
- Sufficient clearance around equipment for servicing

WATER HEATERS, EXPANSION TANKS, PIPING AND PUMPS

Gas piping installed and tested with required pressure at inlet

Isolation valves, control valves, balancing valves, Pressure gauges, temperature gauges installed

Safety protection devices including high temperature burner shut-off, low water cutoff, flame failure, pre & post purge have been tested

Pressure relief rating set to MFG specification/recommendation

Strainers installed prior to hot water heaters, pumps, and flow control valves

Test ports installed near all control sensors per specs

Piping type and flow directions labeled on piping

Water piping system pressure tested

Water Piping system cleaned, flushed & Filled, Chlorine system installed

Expansion Tanks verified to not be air bound and system is completely full with water. Verify the air bladder pressure is equal to the water pressure and is lower than 80 psi

Circulation pumps are installed, interlocked and operational

ELECTRICAL AND CONTROLS

Power available to disconnects

Disconnects are visible, accessible and labeled

Water heater safeties installed and safe-operating ranges provided to commissioning agent

Operation

Programming has been completed

Control system interlocks tested

Startup Complete