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TO: ALL PRL CLIENTS WITH HEAT TREATMENT CHAMBERS

RE: HEAT TREATMENT PROCEDURES

The procedure required by Package Research Laboratory for facilities heat treating lumber and/or packages are:

- The heating unit must have at least 3 permanent thermocouples for temperature recording probes.
- The probes must be distributed throughout the heating unit. Locations dependent on heating inflow.
- Each probe must be positioned in the center of the largest wood member located in the respective location of the unit.
- Each probe must be inserted at least as deep as the largest outside width or depth of the wood member.
- Each drilled hole must be sealed with a non-conductive thermal caulking, putty or rubber grommet.
- All probe temperatures are recorded and stored at 5-minute intervals.
- All probes must reach a minimum temperature of **60C** (**140º F**) **and all active probes must reach and hold that temperature together for a minimum period of 30 minutes.**
- All recorded data must be downloaded and retained in the facility file.
- All data recording equipment must be verified on an annual basis.

PRL Representative will audit recorded data of all heat charges during the monthly inspections. Upon completion of the record audit the PRL Representative will then inspect all heat treated inventory for compliant quality mark stamping and verify the existence and condition of all PRL stamps.

PLEASE PAY SPECIAL ATTENTION TO THE FACT THAT THERMOCOUPLE HOLES MUST BE SEALED WITH A NON-CONDUCTIVE THERMAL CAULKING OR PUTTY. THIS SITUATION WILL BE CHECKED BY PRL AND ALSC INSPECTORS AND REQUIRE THE RETREATING OF ANY NON-COMPLIANT MATERIALS.

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