

Philip Nichols Ph.D.

Entomologist

Middleton Lawn and Pest Control

# Dry Wood Termite Control

Control of dry wood termites in a  
warehouse

# Warehouse with Dry wood termites

- This is a business that sales and ships motor cycle leather seats.
- The front bottom floor is the show room and ordering center.
- In this area there are a number of computer stations for processing phone orders



# Building description

- The building is two stories, the top floor and rear bottom half are designated warehouse and shipping.
- The bottom front half is show room and sales processing.
- It is 300 feet long, 120 wide and 40 high. A total of 1,440,000 cubic feet.
- The company operates six days a week.
- It would cost a considerable amount in lost sales to close the business for a two or three day period. This is not an option to the owner.

# Dry Wood Termite Location

- Dry wood termites were located in the second floor ceiling.
- There were 22 areas in the ceiling identified as having DWT activity.
- The distance from the floor to the ceiling was 20 feet.



# Treatment options

- **Fumigation at a cost of \$7,000 and closing the business for two working days.**
- **Estimated loss in business while closed \$5,000.**
- **Spot treatment using Middleton's approach to DWT control.**
- **Location of active termites using the AED-2000.**
- **Identification of termite galleries using the Resistograph 150**
- **Treatment of the galleries using Termidor in a foam carrier.**

# Benefits of Middleton's approach to control

- It is not disruptive. Treatment can take place during business hours.
- Residual product placed into the galleries.
- Lower cost to the business owner for treatment: \$5,800 vs. fumigation \$7,000.
- No loss in revenue due to closing for fumigation.

# Treatment

- A scissor hoist was used to gain access to treatment sites, due to the height of the ceiling
- Estimated time required for treatment 4 days.



Scissor hoist

# Treatment

- The AED-2000 (insect sound detector) was used to identify location of live DWT.
- Note: This was the first time this equipment was used on a large treatment.





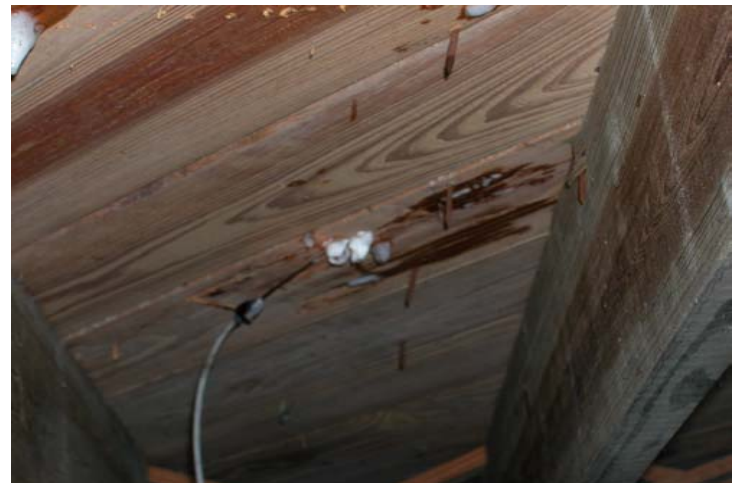
# Treatment

- The Resistograph 150 was used to locate the termite galleries in the wood.



# Treatment

- Termidor in a foam application was applied to the galleries.
- The Pro-foamer with a needle tip was used to apply Termidor.



# Observation

- Estimated time to complete the treatment was 4 days.
- The actual time to complete the treatment was 2 days.
- A saving of 2 days was realized. This was due to the use of the AED2000.