

MILFORD AMATEUR RADIO CLUB

# VHF REPEATER SITE UPGRADES

June and July 2020



# ORIGINAL SHACK CONDITION

- Paint faded, chipped, and peeling
- No ventilation with extremely hot temperatures inside
- Filled with 200 pounds of trash, broken, and unused equipment





# EXTREME TEMPERATURES

- Existing cooling fan inoperable
- No ventilation to draw in cool air
- Bad for equipment
- Miserable working conditions





# OLD FAN REMOVED

- Installed in 1991
- Totally inadequate for cooling needs
- Unknown how long inoperable





# NEW COOLING FAN

- Provides 242 CFM air handling
- Much cooler inside of shack
- Cross flow ventilation in shack





# EXTERIOR VIEW

- New cooling fan with shutters





# SHACK MAINTENANCE AND IMPROVEMENTS

- Removed 200 pounds of broken and unused equipment and trash
- New cooling fan and intake vents
- Sealed, calked, and fixed roof line bowing
- Complete exterior painting including roof
- Installed deadbolt lock
- Installed repeater in rack with shelf unit
- Replaced old RG-8 and connectors with mil-spec RG-214 silver-plated double-shielded coax with N-connectors







# SITE WORK PROVIDED BY

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- James Watts
- Ron Brooks, AC8MA