

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, chalked, 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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