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Meeting at lighthouse with Ken Hinshaw, Tony Greening, Ed Bredthauer, and Bill Peake

Existing Fire System

- Smoke Detectors – 13 total, 4 wired (on the ground floor) and the remaining 9 wireless located in the cellar and 2nd floor.
- Pull Alarms – 1, located in the rear porch
- Horn Strobe– 2, located in the kitchen and bathroom hallway. In the event of a fire alarm these notify the building occupants.
- Control Panel and battery back up – 1, located in rear porch closet
- Keypad – 1, located in rear porch

The fire alarm system has 2 activation modes. A tamper alarm occurs if any device is moved, disabled, etc. In this event the Sentry Alarm Systems operator calls the phone tree. Nancy McDowell is at the top of the phone tree. Sentry does not leave phone messages but continues calling until someone is reached. The 2nd mode is a fire alarm triggered by a smoke detector. In this event the Fire Department is called first and then the phone tree.

The total cost is \$75/month to lease all equipment and \$13.50/month for the UL certificate.

Changes to Fire System

The number, type and placement of fire safety devices are regulated by state and local codes. Any changes must be approved. The system was originally installed in 1995 and modified in 1997. Supposedly the state or local fire marshal keeps detailed records of all fire systems and modifications, etc.

Possibly the only change that might not require approval is to exchange an old device with a new one, but even in this event Sentry Alarm Systems would check with the state inspector. We were advised not to change the system, as it likely would trigger a full audit and possibly more fire safety equipment.

There are new, thinner wireless smoke detectors but they are not much smaller than what we have installed. Smoke detectors must be located on the highest point in each room. It doesn't need to be in the center of the room, but must be within 25 ft. of all walls.

Wireless smoke detectors in the new buildings can be added to the existing system.

Newer, smaller horn strobes are available. The horn strobes can be painted any color with the exception of the light housing which should not be painted.

The keypad can be remounted to the inside of the rear porch closet.

Burglary Alarms

Originally there were many door and window contacts, but now there are only 4. Contacts are on both dormer windows which are disabled. And there are contacts on both exterior doors. The system wiring is a continuous loop. To remove wiring for a pair of contacts one needs to splice wires to recomplete the loop.

We did not discuss activation, but likely Sentry Alarm Systems calls the phone tree first, and if they do not reach someone, then the police are notified.

Changes to Burglary Alarms

Wireless motion detectors inside the building would be effective. Outside motion detectors would be expensive and not as effective due to wildlife. The standard motion detectors have a 50 ft. range and 90 degree field. They operate with infrared and need a clear field, i.e. it cannot 'see' around obstacles. Motion detectors do not penetrate glass (infrared) so they might be used in the lantern room but it wasn't obvious where the detector would be located.

We did not discuss, but probably wireless motion detectors in the new buildings can be accommodated with the existing system.

There exist wireless door contacts if desired for the new buildings.

The exterior siren located to the left of the rear lighthouse door can be moved to inside the rear porch closet. Cost to move the siren would be \$125. We would save money by moving the siren and keypad at the same time.

Other

There exists a video camera, DVR and TV screen in the reception. The camera points at the donation box and presumably it is continuously recording. The purpose of the equipment is for prosecution, not deterrence. This equipment is not connected to any other alarm equipment.