

## **9. BUILDING FIRE SPRINKLER SYSTEM:**

### **EMERGENCY ACTION:**

If the Fire Sprinkler System is activated the fire alarm will sound and the building should be evacuated. However, if there is no fire, i.e. if a sprinkler head is accidentally broken:

1. Have someone call 911 to alert them that there is no fire.
2. Have someone silence the alarm (See sect. 7)
3. Go to the valve room/closet in the community room and turn the top valve wheel clockwise (right) to shut off the water.
4. Call East Cascade Security 541-389-0015 to alert them that there is no fire.
5. Call Fire Pro 541-382-8383 to drain and place the system back into service.

### **DESCRIPTION and OPERATION:**

A fire water sprinkler system is installed throughout the building. The system is fully charged with water at all times and sprinkler heads are held shut by fusible links. A fire in an area will melt the link in the heads in the affected area. The alarm will sound in less than one minute and the security system monitor, (East Cascade Security), having been alerted by the signal, will immediately alert the fire department.

The alarm is silenced by following the instructions above the control box which is located on the south wall of the main entrance vestibule. (See chapter on Fire Sensing and Alarm System).

The church has a contract with Juniper Fire Equipment phone number 541-382-8383 to inspect and test the system once a year. The following description explains how the system works and is tested but it is very unlikely that church members would actually perform the testing.

#### **To shut off the system for maintenance or repair:**

1. Call and advise Cascade Security and tell police that the outside alarm bell may ring. (Fire Pro knows how to cut the power to the alarm).
2. The valves should be unlocked but if they are not the key is located in the red box above drain line in the valve room/closet off the community room.
3. Close the top, large valve marked "SHUT OFF VALVE"
4. Drain the system.
  - a. Open the drain valve which is over the sewage sump in the Mechanical room (room 108).
  - b. In the valve room/closet in the Community Room locate the pipe marked SYSTEM DRAIN. Remove the cap on the vertical section of the drain at the floor level. Pull the pipe aside to remove the cap.

c. Open the drain valve.

5. Open the: flow test valve” which is located at the ceiling level in the SW corner of the storage room over the upstairs women’s rest room. The alarm system will sound so have someone stationed at the security system control pad which is located in the main entrance vestibule. (The alarm system can be cut out at the connection box in the valve room or at the flow detector by someone familiar with details of the system.)

To recharge the system–

- Alert the police since the outside bell will ring.
- Close the drains in the mechanical room and valve room/closet.
- Open the shut off valve a small amount until the system full
- Close the flow test outlet valve when water comes out of the outlet which is directly through the south wall from the valve and shoots out into the parking lot.
- Reset system at control pad in the entrance vestibule. Press: reset -enter-1955
- Notify East Cascade Security that the system is recharged and reset.

## **MAINTENANCE:**

### **Fire Pro:**

- Complete the testing described above.
- Check all fire extinguishers, exit lights, and the kitchen range fire suppression system.

### **Church responsibility:**

- Check to see that access to valves in the valve room/closet in the community room is not blocked.
- The chain and lock are still on the valves but the lock is not locked. The key is in the red box that has extra sprinkler heads.
- Insure that flow and alarm tests are run annually by Juniper Fire and Equipment Co.
- All of the lighted exit signs have backup batteries. To lengthen the life of the batteries, they should be drawn down annually because they are very expensive. One way to do this would be to turn them all off each time we change clocks to or from daylight savings time. As all the emergency lights are hard wired they have to be turned off at the following circuit breaker: panel A (basement storage area) breaker # 7; panel B (electrical storage room) breaker #13; panel C (Fellowship Hall) breaker #7; panel D (hall next to multi-use room) breaker#23.

## **INSTALLER:**

Bend Fire Protection (we do not use them for ongoing work because of a major disagreement over the original construction cost).

For maintenance or servicing, call: Fire Pro 541-382-8383 (sprinkler system, alarm system and kitchen range hood fire suppression system).