

# WESTON UNITED METHODIST CHURCH

## OUTSIDE LIGHTING

### 1. PARKING LOT FLOODLIGHTING

The entrance driveway and parking lot are illuminated by five two-lamp lighting fixtures. All are controlled by one time delay switch just inside the back door.

Since the time delay switch is rated at 10 amps., the total lighting load must not exceed 10 amperes. To accomplish this, the six lamps along the entrance driveway have been changed from 150 watt PAR floodlight lamps to 90 watt PAR Halogen floodlight lamps.

At this time, the four lights illuminating the rear of the parking lot are still 150 watt lamps and can be replaced with the same if desired.

In time, 150 watt lamps will probably not be on the market, so only 90 watt and 100 watt lamps can be bought. Therefore, all 10 lamps can be the same, either 90 or 100 watts each.

A single floodlight unit has been installed above the back entrance door. This light is controlled by a motion detector which will turn on the light when the detector senses movement (after dark) in the area just outside the entrance. It is a safety light designed to illuminate the back door area as someone approaches the door and before that person can open the door and turn on the general lighting for the parking lot. It will turn itself off after a set time interval (approximately five minutes); therefore, if someone neglects to turn on the general floodlighting, the parking lot will become dark again until someone exits the building, at which time the single light will come on again for a short time.

### 2. FRONT SIDEWALK (Bollard) LIGHTING

The three bollard lighting fixtures require mercury vapor lamps, Sylvania H38AV-100/DX, which are currently available at Standard Electric in Waltham. Each can be accessed by removing the top cylindrical cap after removing the three screws at the top of the plastic lens. Please note that, when installed, the three screws were located around the cap by eye and therefore are not necessarily equally spaced. Therefore, when removing the cap, note its orientation so as to replace it in exactly the same position. (Lamps most recently purchased cost \$53.00 each.)

### 3. FLOODLIGHTS ON THE FRONT OF THE CHURCH, INCLUDING THE CROSS

Each of the three lamps is a 75 watt reflector floodlight. They are indoor lamps but can be used in these locations because they are protected from the weather.

#### 4. FLOODLIGHTS ON THE CHURCH SIGN

Each is a single 150 watt PAR outdoor floodlight. As time passes, only 90 watt or 100 watt lamps will be available, which will be acceptable.

#### 5. LIGHTING CONTROL

The above three systems (Items 2, 3, and 4) at the front of the church are all on one circuit, controlled by a time clock located in the attic of the sanctuary. That time clock is an astronomical unit, which means that its ON time changes automatically with the seasons; its OFF time is set for about 11:30PM and can be changed if desired. Beside the time clock is a toggle switch; when in the UP position, all three lights illuminating the front of the church (item 3. above) are ON (when the time switch calls for light); when in the DOWN position, only the center light illuminating the cross is ON.

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