

## 4. Clearances

The requirements in this section are to avoid accidental contact of energized equipment by the general public and provide safe working areas for REMC employees. **The *clear working zone* designates an area around utility equipment that must remain free of all temporary or permanent obstructions (structures, landscaping, fencing, etc.). If obstructions are found in the clear working zone, REMC will be required to remove the obstruction prior to performing maintenance or restoring power.**

### **4.1 Ground Mounted Equipment**

All ground mounted equipment is designed to be safe to the public under normal operation. However, equipment can malfunction for a variety of reasons and therefore it is best practice to maintain a safe distance when possible. **Ground mounted transformers (Fig 4.1)** are used for underground services. High voltage (7200 volts LG) enters the device and service voltage (typically 240 volts LLG) exits to serve the member. **Service Voltage splice boxes (Fig 4.2)** are used to splice or split service voltage lines (typically 240 volt LLG). They are the smallest REMC ground mounted equipment and are typically located on property lines. **High Voltage Splice Boxes (Fig 4.3)** are used to splice or split high voltage conductors (7200V LG). **Equipment Clearance (Fig 4.4)** indicates the clear working zone for a ground mounted transformer and splice box. The opening side of the equipment shall have a 10'-0" clear working zone, the remaining 3 sides shall have a 3'-0" clear working zone. If you are unsure of the clearance requirements of devices on your property, please contact REMC at 812-738-4115.

Fig 4.1 – Ground Mounted Transformer



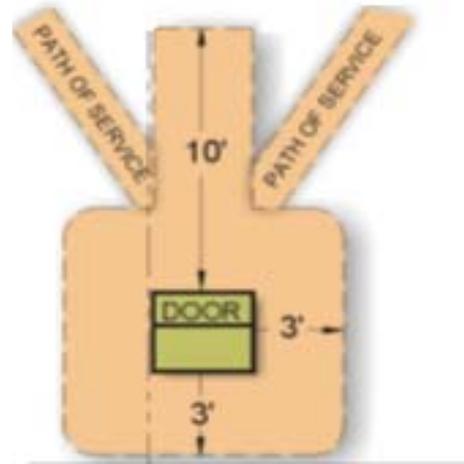
Fig 4.2 – Service Voltage Splice box



Fig 4.3 – High Voltage Splice Box



Fig 4.4 – Equipment Clearance



#### **4.2 Poles**

Power poles are used to mount overhead equipment. The equipment on REMC poles can contain energized, uninsulated parts. It is prohibited to attach anything (temporary or permanent) to a pole without explicit permission from REMC; this would include signs, decorations, bird houses, etc. Attaching anything to a power pole is dangerous and presents an unsafe environment to linemen that would need to climb the pole for maintenance, power restoration, etc. Any unauthorized item found attached to an REMC pole will be removed immediately and in some cases discarded.

#### **4.3 Grain Bin**

Grain bins can pose a potential hazard if in the vicinity of overhead power lines. This is due to height and portability of the equipment used with grain bins. If you have a grain bin within 65'-0" of Harrison REMC overhead power lines. Please contact us at 812-738-4115 to have an engineer inspect your clearances. In addition, if you are planning to construct a grain bin, please contact REMC to discuss placement and your electrical service prior to any construction.

#### **4.4 Swimming Pool**

Swimming pools in close proximity to overhead power lines can pose a deadly threat. A minimum horizontal separation of 25'-0" from overhead power lines to the edge of the pool are to be maintained. If you have questions about an existing pool or planning for a new pool, please contact REMC at 812-738-4115 to have an engineer inspect your clearances.