

## **Chapter 20**

### **Analysis of Design**

#### **20-1. Permanent Record**

The "Analysis of Design" memorandum should be a permanent record for future reference. It should consolidate into one document engineering information and computations from previously approved design memorandums pertinent to the executed plans and specifications.

#### **20-2. Up-To-Date Values**

Original computations based on assumed values for machine or equipment characteristics are revised to reflect up-to-date values based either on the manufacturers' design calculations or on field or factory test measurements.

#### **20-3. Expansion**

If provisions are made in the powerhouse or switchyard design for future addition of units, transmission lines, or auxiliary equipment, the Analysis of Design memorandum should detail the provisions for the expansion.