SECTION 16460D - TRANSFORMERS - 600 VOLTS AND BELOW

A. APPLICATION

1. Transformers that supply power to non-linear loads shall have a “K” rating based upon the computed non-linear current. Where this value cannot be computed, the “K” rating shall be a minimum of 4.

2. Sound levels shall be NEMA standard. Where sound level could be a problem, specify a quieter transformer, or move transformer to another location.

3. Generally, transformers used indoors shall be dry type, having copper windings.

B. EXECUTION

1. Transformers may be wall mounted, ceiling mounted (trapeze supports) or floor mounted. Where mounted on the floor, provide 4” housekeeping concrete pad.

2. Transformers connected to conduit systems shall have final connections made with flexible metal conduit to reduce noise transmission to conduit system.

3. All wye connected transformers shall have neutral connection grounded to building grounding electrode. Do not use equipment ground conductor for this purpose.

END