

**CARNES**

### RECOMMENDED SPECIFICATIONS

Provide open coil electric duct heaters of the size, capacity and performance shown on the job schedule. All duct heaters shall be tested and certified to **UL** STD 1996 UL File number E245517. Heating elements shall be open coil type, 80% nickel 20% chromium, type A resistance wire. Other alloys are not acceptable. Coils shall be supported by steatite ceramic bushings securely fastened to the element support brackets. The duct heater frame, control enclosure and element support brackets shall be of 20 gauge (minimum) galvanized steel. The controls enclosure shall be **NEMA-1** construction with standard door interlocking disconnect switch. The electric heater frame will have flanged or slip-in duct connection. All heaters shall be furnished with a disc type, primary automatic reset thermal cut-off. A secondary manual reset thermal cut-off will also be provided. All heaters will have an integral air flow switch or a fan interlock relay (fan terminal units only). The electric supply wiring shall have insulation rating of 221°F (105°C). Terminal blocks and ground lugs will be furnished on all heaters for field wiring. A line voltage to 24 volt, class II transformer shall be provided and mounted inside the control enclosure. All heaters shall have a disconnecting magnetic contactor(s) with a 24-volt holding coil as standard.