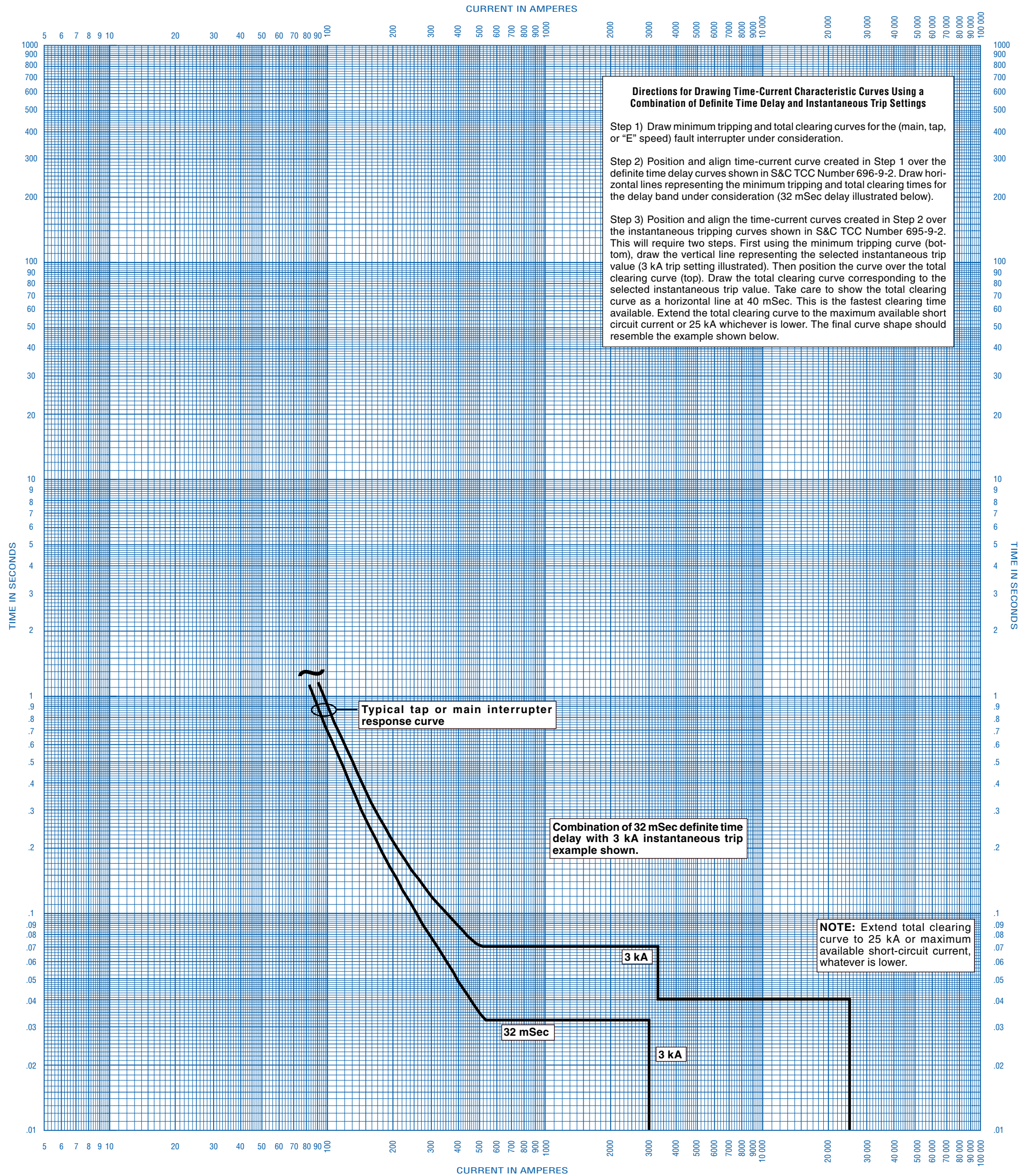




MINIMUM TRIPPING & TOTAL CLEARING TIME-CURRENT CHARACTERISTIC CURVES

VISTA™ OVERCURRENT CONTROL—INSTANTANEOUS AND DEFINITE TIME DELAY

BASIS—The minimum tripping time-current characteristic curves shown above are applicable over the entire S&C Vista Underground Distribution Switchgear operating temperature range of -40°C to +40°C. No adjustments need to be made to these curves for ambient temperatures within this temperature range.

TOLERANCES—Minimum tripping curves are plotted to minimum test points; maximum variations are plus 10% expressed in terms of current, or plus 8 milliseconds. Total clearing curves are plotted to maximum test points; all variations are minus.

APPLICATION—The maximum continuous current-carrying capability of S&C Vista Underground Distribution Switchgear is 1200 amperes RMS. The overcurrent control is capable of sensing current in the range of 50 to 25,000 amperes RMS.

The combination instantaneous and definite time delay curves shown above are used in conjunction with vacuum fault interrupters in main feeders or feeding underground distribution subloop taps. These curve combinations are specifically designed to maximize both equipment and conductor protection and coordination with load-side conventional (i.e., non current-limiting) power fuses.

Since the time-current characteristics are electronically derived, they are not subject to change due to aging, transient overcurrents, or fault currents. It is, therefore, only necessary to reset the fault interrupters following a fault-clearing operation.

CONTROL SETTINGS—The instantaneous and definite time delay curves are set independently using a laptop computer.

