

# CABLE MAX FORCE

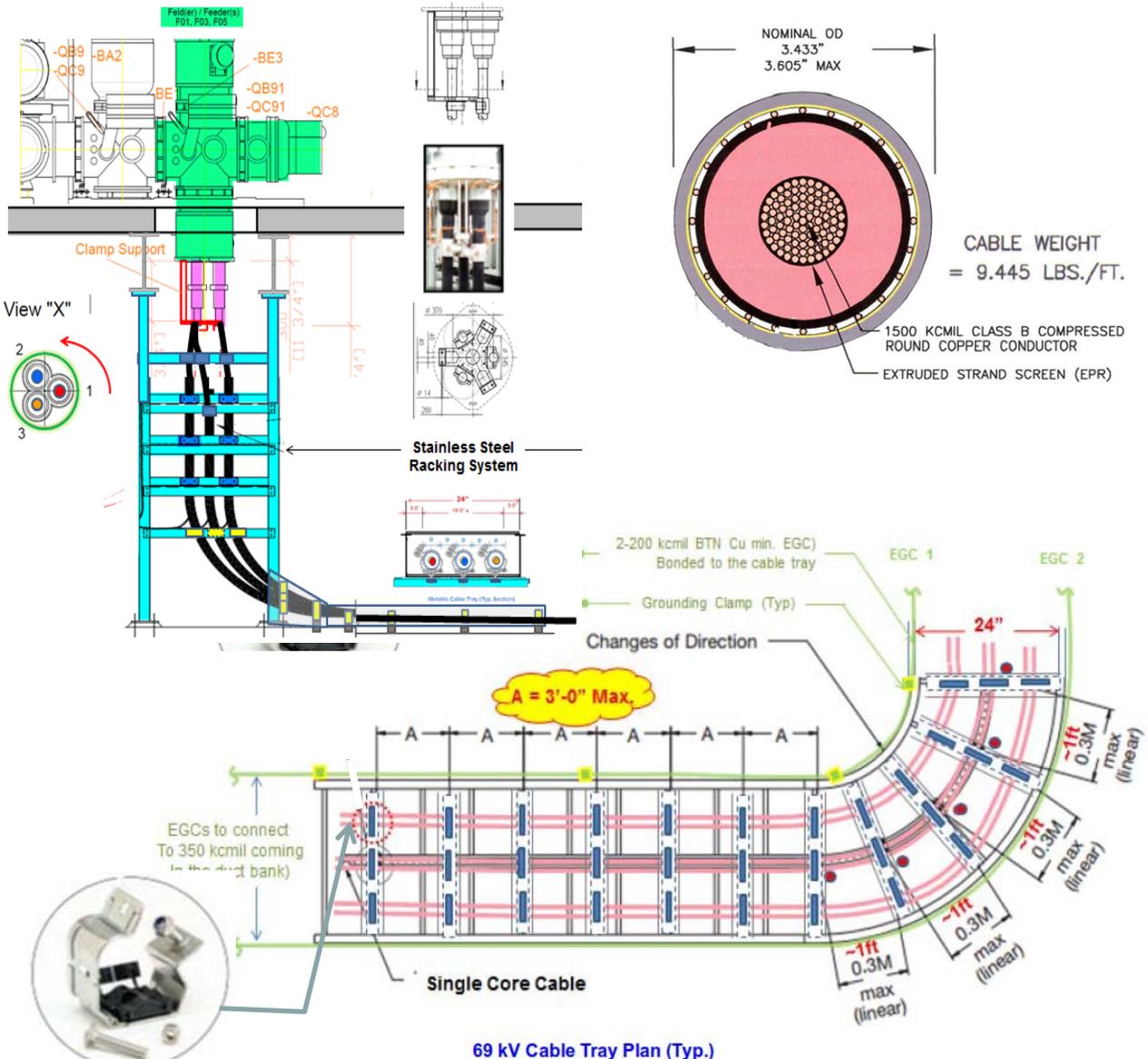
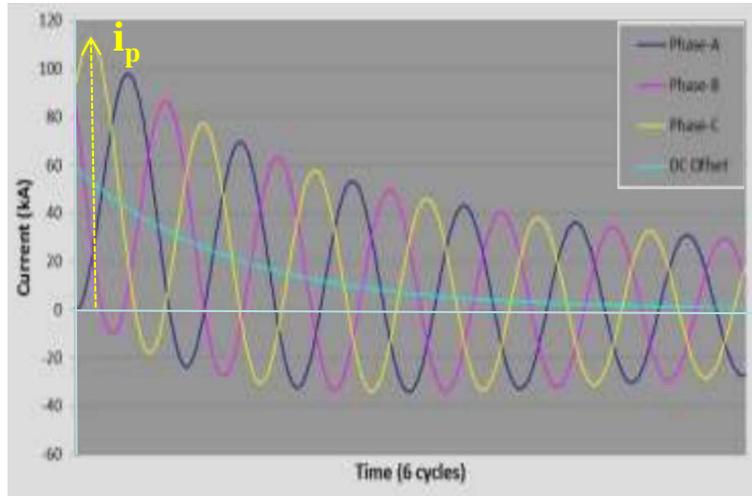
$$F_t = \frac{0.17 \times i_p^2}{S}$$

$F_t$  is the maximum force on the cable conductor in a trefoil configuration for a three phase short circuit [N/m] \*

$i_p$  is the peak short-circuit current [kA]

$S$  is the centre to centre distance between two neighbouring conductors [m] (for Trefoil arrangements  $S = \text{Cable Diameter}$ )

\*  $1 \text{ (N/m)} = 0.0685 \text{ lbf/ft}$



REFERENCE:

$\alpha\beta\epsilon$ 's Personal Notes