

CABLE MAX FORCE

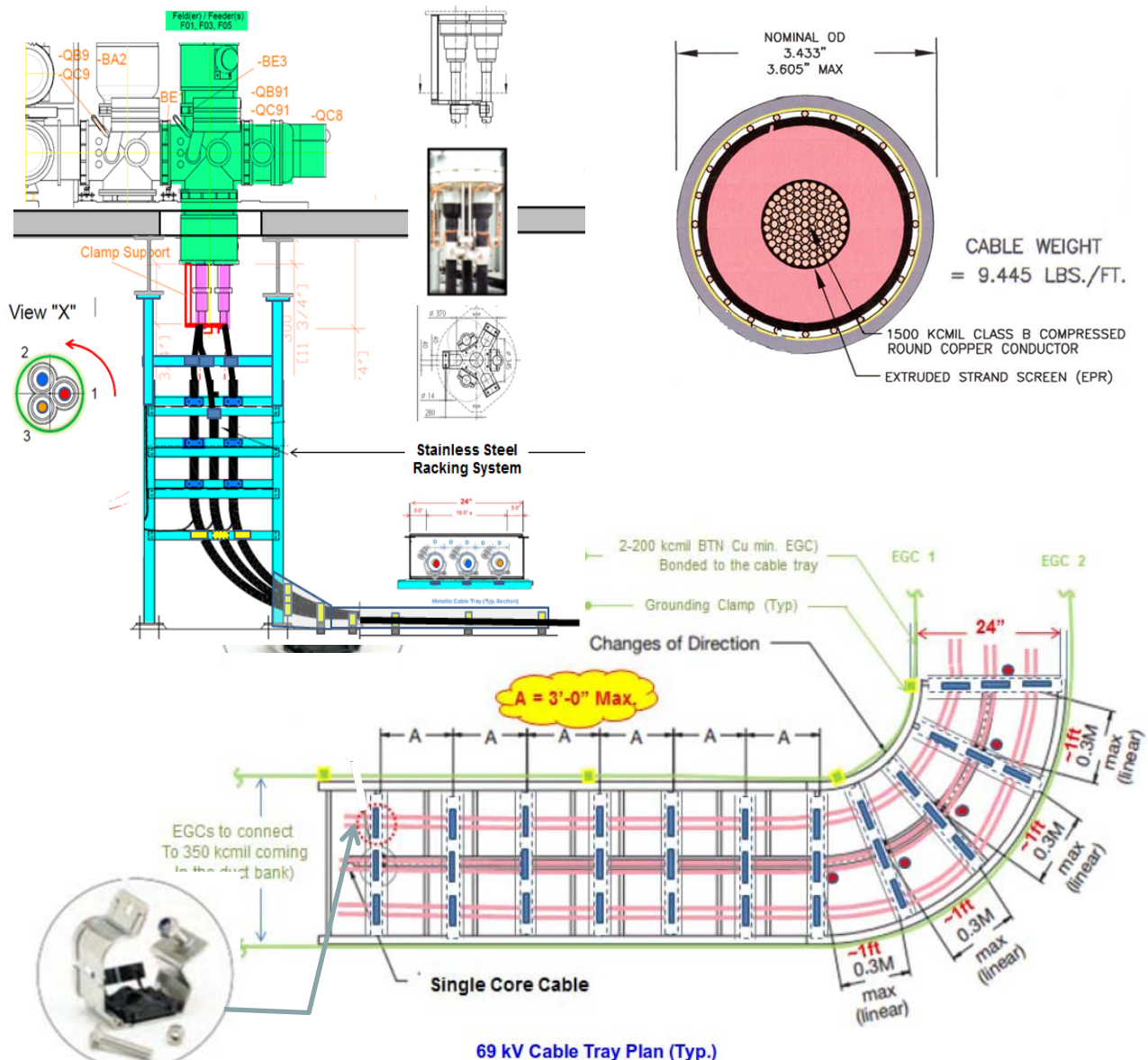
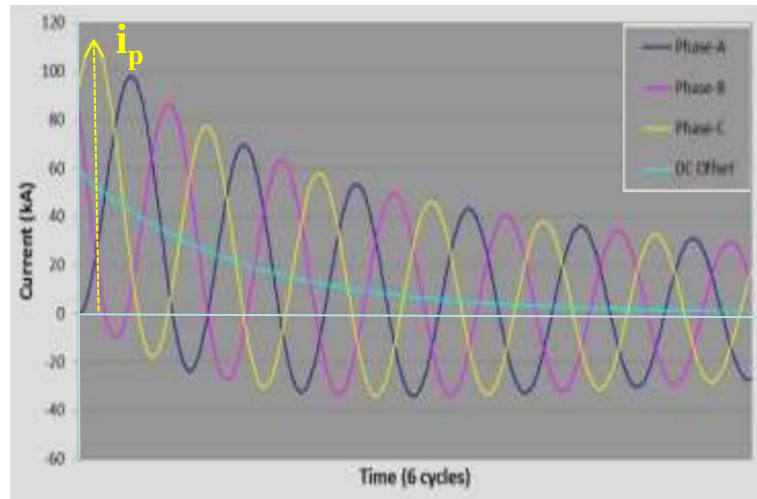
$$F_t = \frac{0.17 \times i_p^2}{S}$$

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 = Cable Diameter)

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



REFERENCE:

αβε's Personal Notes