

# CYLINDER PILES

## *INTERACTION DIAGRAMS*

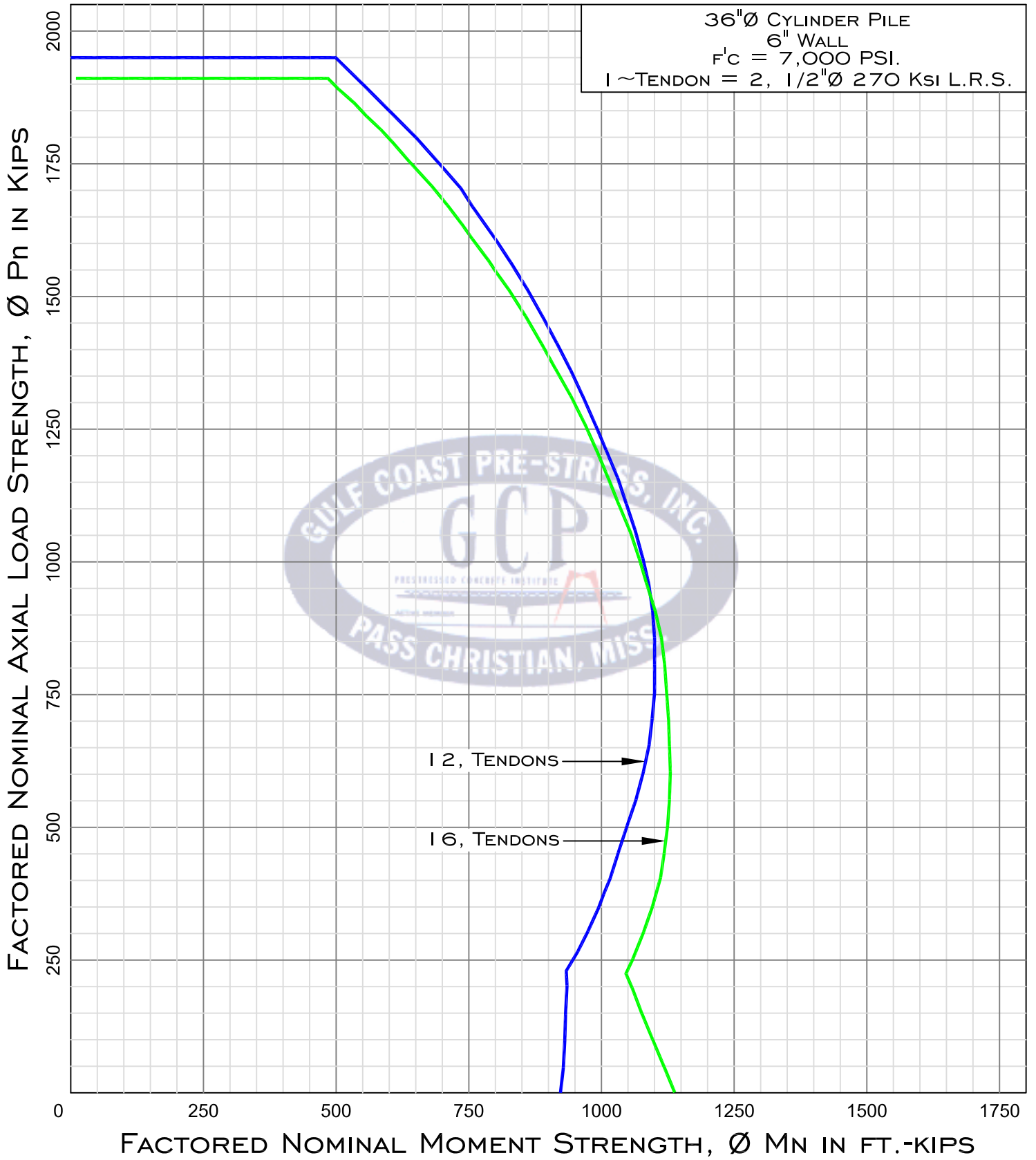
### *ULTIMATE STRENGTH DESIGN*

Interaction diagrams are based on Euler's Formula.  $\phi = 0.70$  for piles designed by the ACI building code.

Interaction Diagrams with various  $kL/r$ 's based on the Secant Formula are published by the PCI. The values of  $\phi P_n$  and  $\phi M_n$  should be multiplied by  $(0.70/0.75) = 0.933$  when the design is based on the ACI building code.

Interaction Diagrams are based on  $\phi = 0.75$ . AASHTO 8.6.1.2.2(c)

# ULTIMATE STRENGTH DESIGN



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