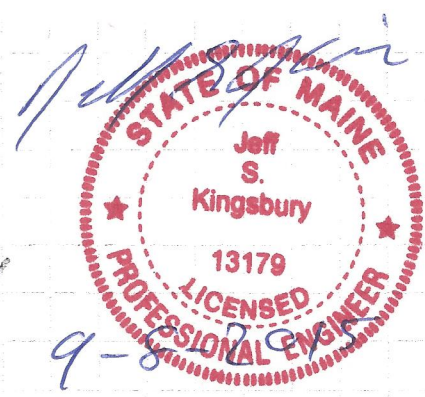


ENGINEER'S REPORT



Engineer Jeff S. Kingsbury

P.E. License # 13179

PHONE # 207-615-5013

PROJECT NAME: Charlie Huitt 0001

Project Location 511 Congress St.
Portland, ME, 04101

Overview:

This calculation set is to DETERMINE ANCHORAGE LOADS FROM HARCO RTA SERIES OF POLES TO BE USED AT THE PROJECT LOCATION.

Based on Data from HARCO using AASHTO 2001 Calculations for Determining Base Loads Applied to the Anchor. This Anchor Check calculation is for use with a Base Bolt Circle of 4 Post INSTALLED EXPANSION ANCHORS WITH a BOLT CIRCLE OF 7.5"

This calculation will cover ANCHOR BASE MATERIAL strength and Bolt Group break out strength. USING ACI 318-11. PG-1