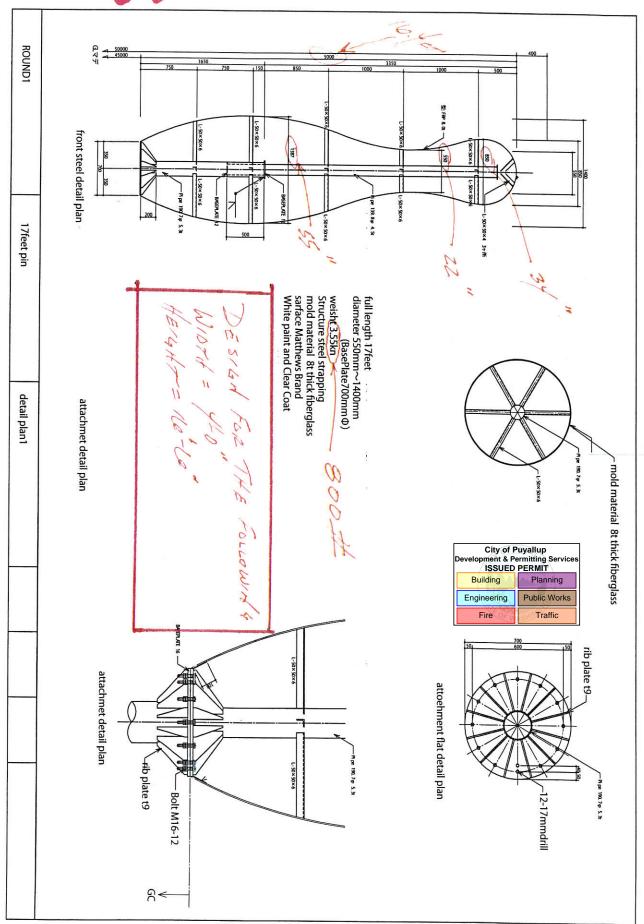


Structural Calculations Related to Bowling Pin Foundation

Structural Detail: 1/S501







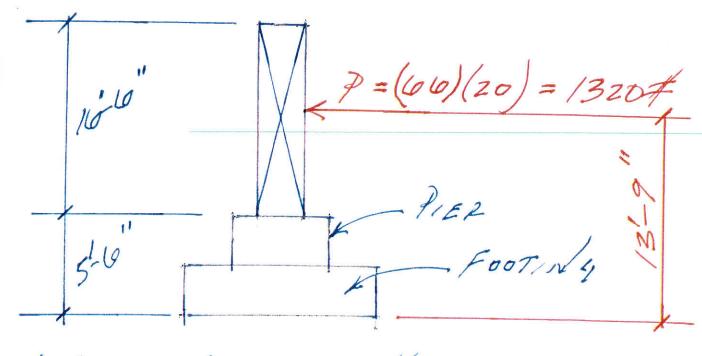




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MONUMENT SIGN WIND ANALYSIS

WIND PRESSURE PER ASCET-10 = 20ps (ASD) PROJECTED AREA = (4)(16.5) = 66 SET.



MONUMENT WT = 800# = 4700# (4-0 \$ x 2-6") PIER WT.

= 13,600# (5-6 x 5-6 x 3-0") F74. WT.

TOTAL DEAD LOAD = 19, 100#

City of Puyallup Development & Permitting Services ISSUED PERMIT			
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[231]	Character (SINE)	
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HECKED BY		170
	 	 To a part

WIND OVERTURNING = (1.32) (13.75) = 18.2 KIN DESISTING MOMENT = (19.1) (5.5) = 52.5 K

SF AGAINST OVERTURAING = 2.9

CALLULATE SOIL PRESSURE

e = 18.2 = 0.95'

PMAX = 1300 ps

5.4FT

MAX. SOIL PRESSURE

Public Works

5-6" x 5-6" x 3-0" Fr. 15 ACCEPTABLE FOR WINO



BM 2-26-19

MONUMENT SIGN SEISMIC ANALYTIS DESIGN BASIS IS ASKE 7-10 CH.15 NON-BUILDING STRULTURES WEIGHT = 800# V = 0.30 Sos WIC SOS= 0.617 W = 800# Iz = 1.25 V= (0.3)(0.61) (800) (1.25) = 185# WIND LOAD WILL GOVERN MOHUMENT SESIGN

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