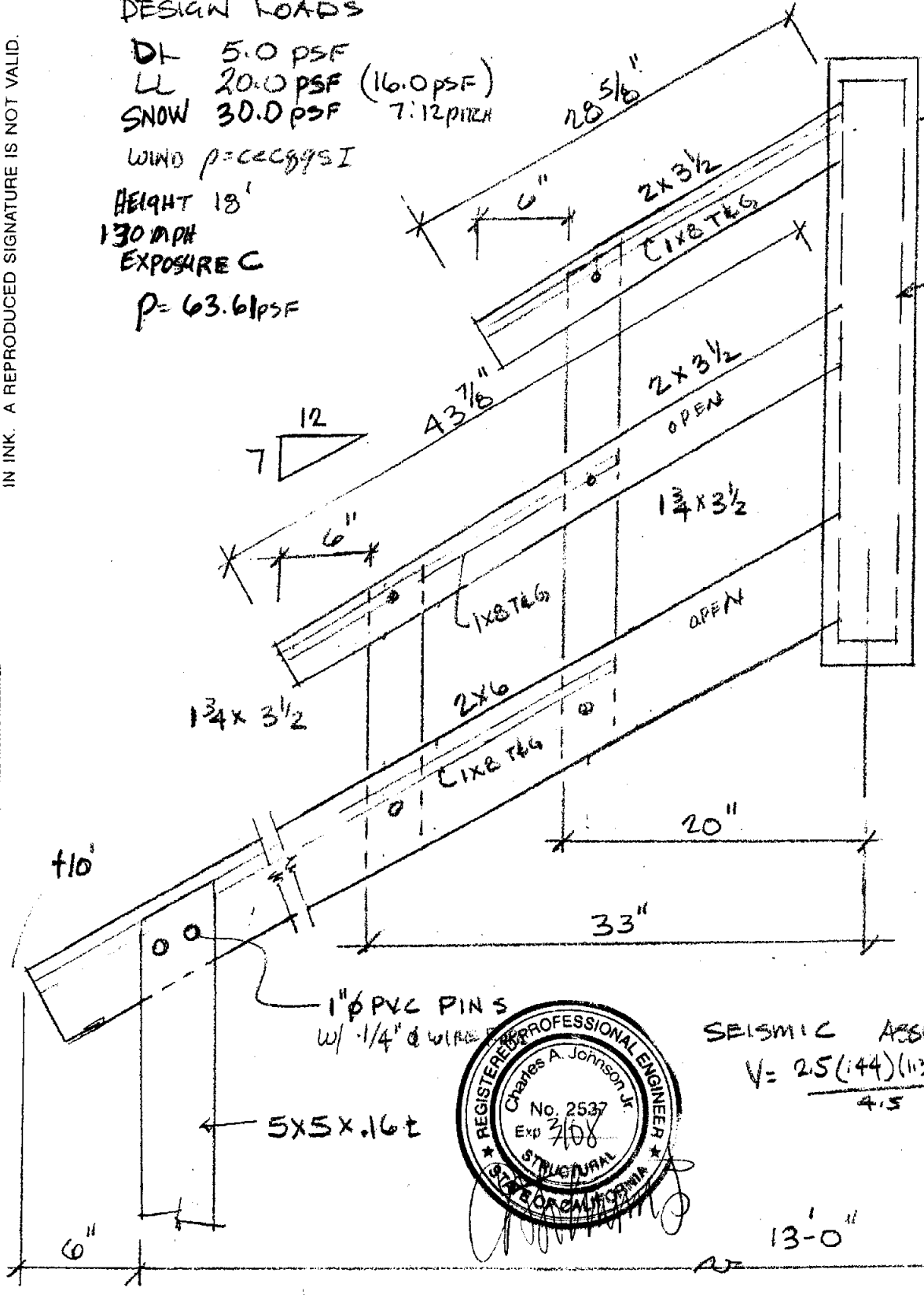
DESIGN LOADS

DL 5.0 PSF
LL 20.0 PSF (16.0 PSF)
SNOW 30.0 PSF 7:12 PITCH

WIND $p = c_e c_q q_s I$

HEIGHT 18'
130 MPH
EXPOSURE C

$p = 63.6$ PSF



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SEISMIC ASSUME TYPE B

$V = \frac{2.5(.44)(1.13)}{4.5} I_{WOL} 2KM = .318 W_{OL}$

REGISTERED PROFESSIONAL ENGINEER
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Exp 3/08
STRUCTURAL
STATE OF CALIFORNIA

DESIGN LOADS

1½x1½ PICKETS .1563
2x6 @ 42"oc .562
> MAX DL = 1.0 PSF THIS 4

USE DL 3.0
LL 10.0 (NOT A WALKABLE SURFACE)

2-14-14

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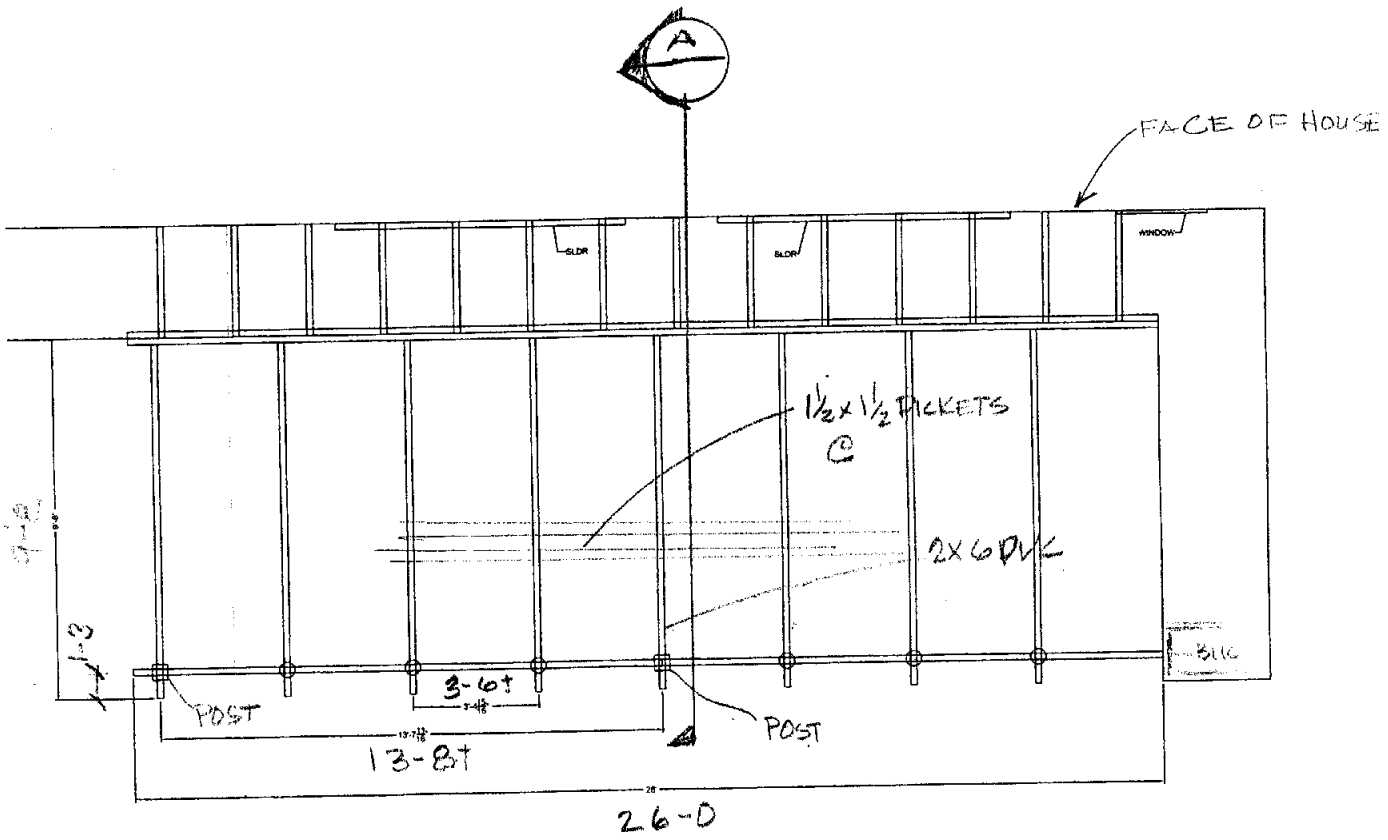
EXP. 3/14
STRUCTURAL
STATE OF CALIFORNIA



(WIND $P = 10.88$ $w_w = 10.88\left(\frac{1.5+6}{12}\right) = 6.8$ PLF

SEISMIC $C_s = .6832$

$P_3 = .6832(3) = 2.05$

$w_1 = 2.05(26) = 52.29$ PLF

$w_2 = 2.05(9.67) = 19.82$ PLF