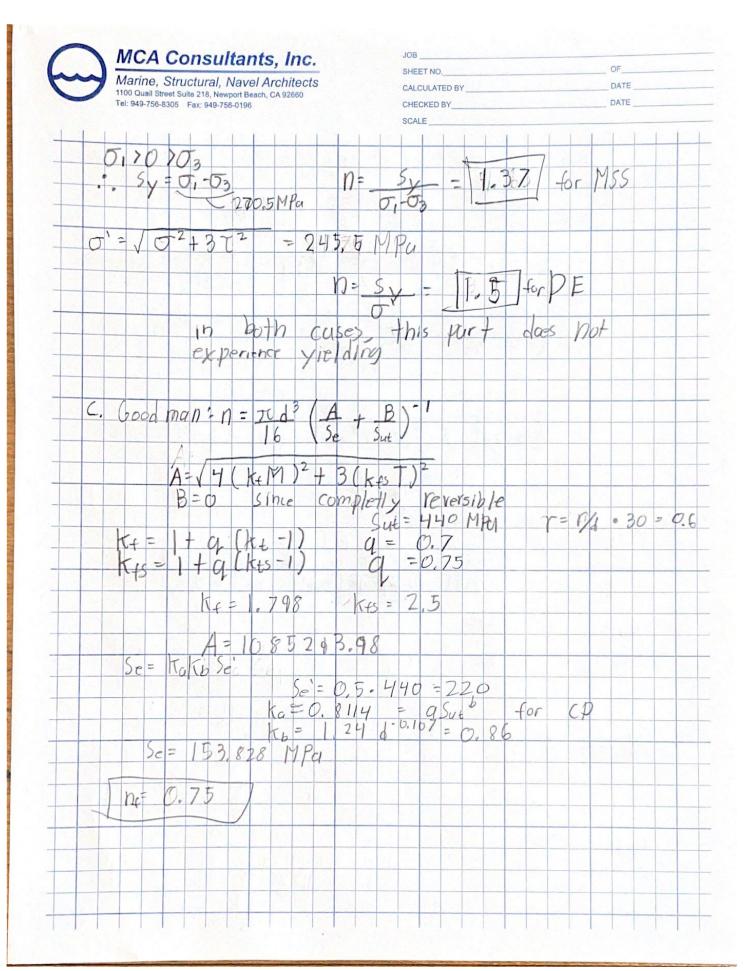


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		Nathan Stenseng
100 rev	0 1mm = 270 raid = 10.47 raid 60 sec 1 rev = Sec	
	1 mm 270 rad = 0. 47 rad 5ec 5ec 1 rav = 30 feeth F= 129 129	ā mm
	spherical ball bearing	
	Square key: $ t_{+}=2.14 r=0.02$	
Q. The	largest stress is due to Mas V May + Mass	2
Since factor, this	B and C pave the same some is larger in point B)	e and fress concentration plied majorent and
b. 5y = @ B:	370 MPa fron table A-20 0= Mc = 32 181.900 - 68-62	MPa 6 2, 14= 146.8
	17 17 TROB	141Pa · 3,0 - 113, 6
5, = 0		(音) ² +2 ² = 35,25/





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									SCALE					
d.	У	20					(3	25-2+	125	2 - 4	50 ²)			
	Уу	= 2	1 1		7 m	5	25)	.(32	5+7	52-7	.450	375)		
		+									4502)		
		= -	0,	25	5 Pr	m			4			1		
	7	P	a for		- V	Yz2 N		30	6.	344	ih		gradient de la constant de la consta	
		For		D= 5	B, Yi	nax Jertu	n Fa	= 0 × 600			to in			
							<i>V</i> -				1			



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SCALE
e. On = - Fab (1+b) = -9.5.0-4 rad
Opxz = Fab(1+a) = -0.00168 rad 6 = I
$\Theta_{AXY} = -\frac{7667ab(l+b)}{6EII} + \frac{582.4ab(l+b)}{6EII} = 0.003397 rad$
Opxy = 2667 ab (1+a) + 382,4ab(1+a) = -0.002597 rad 6 = 7 l 6 = 7 l
$\Theta_{A} = 0.0035$ rad $\Theta_{D} = 0.0031$ rad
allow 0.026-0.052 rad
We do not exceed the max allowable slope at either A or D.



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		SCALE
f. 0 =	Ky W + P P= =	3 teelb
	FY	in
	FIL	1-1 = 4.189
		D
	W= 1600 N= 350.	59 86 4
	Y = 0.35 \$	
	1 - 0.35 0	
	$k_v = 12004V = 100$	
1	1200	
02	711,75 Hpsi	