Nombre del alumno:

Jorge Iván sosa Guillen

-

Nombre del docente:

Pedro García López

-

Materia:

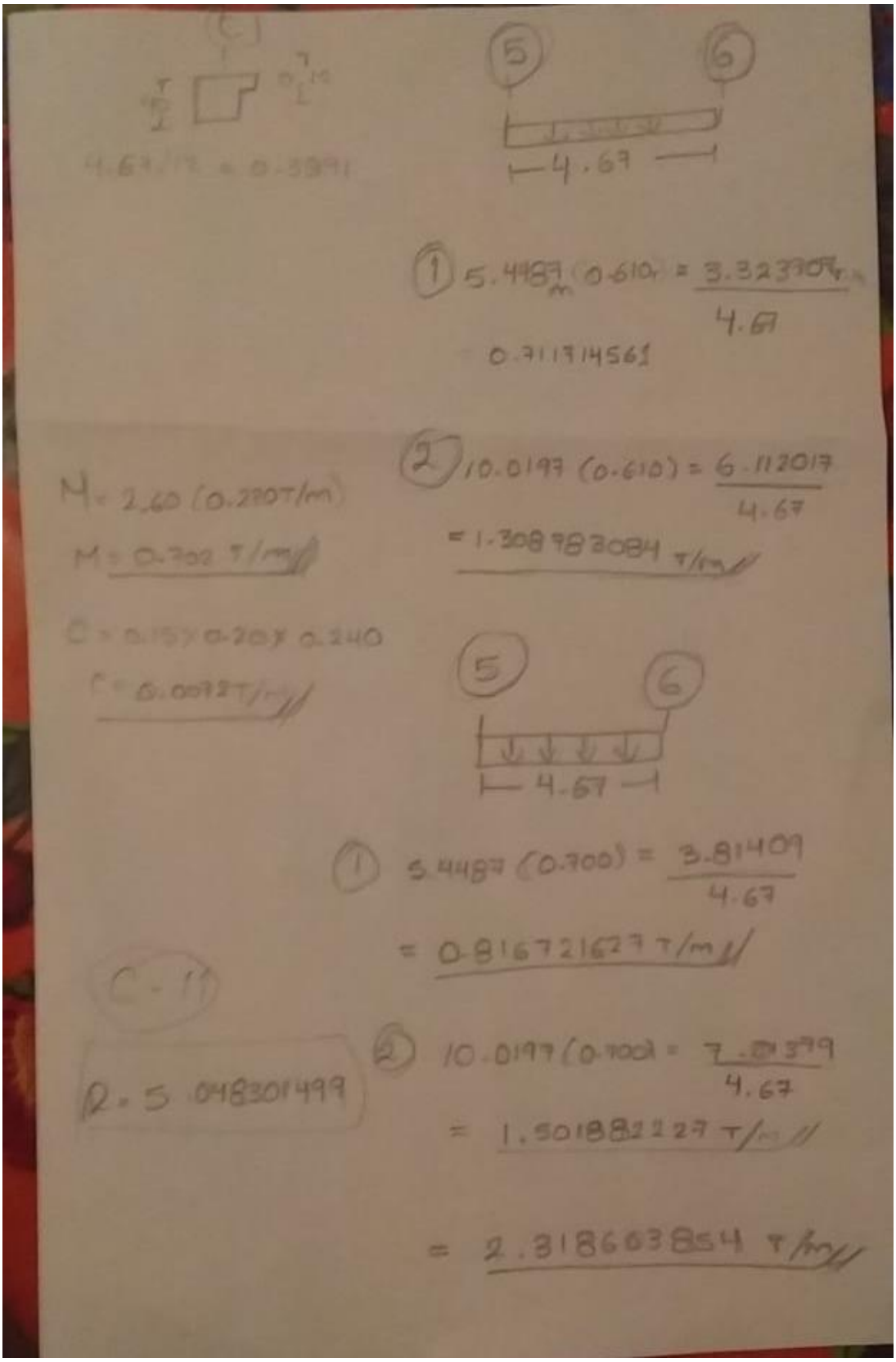
Análisis de estructuras

-

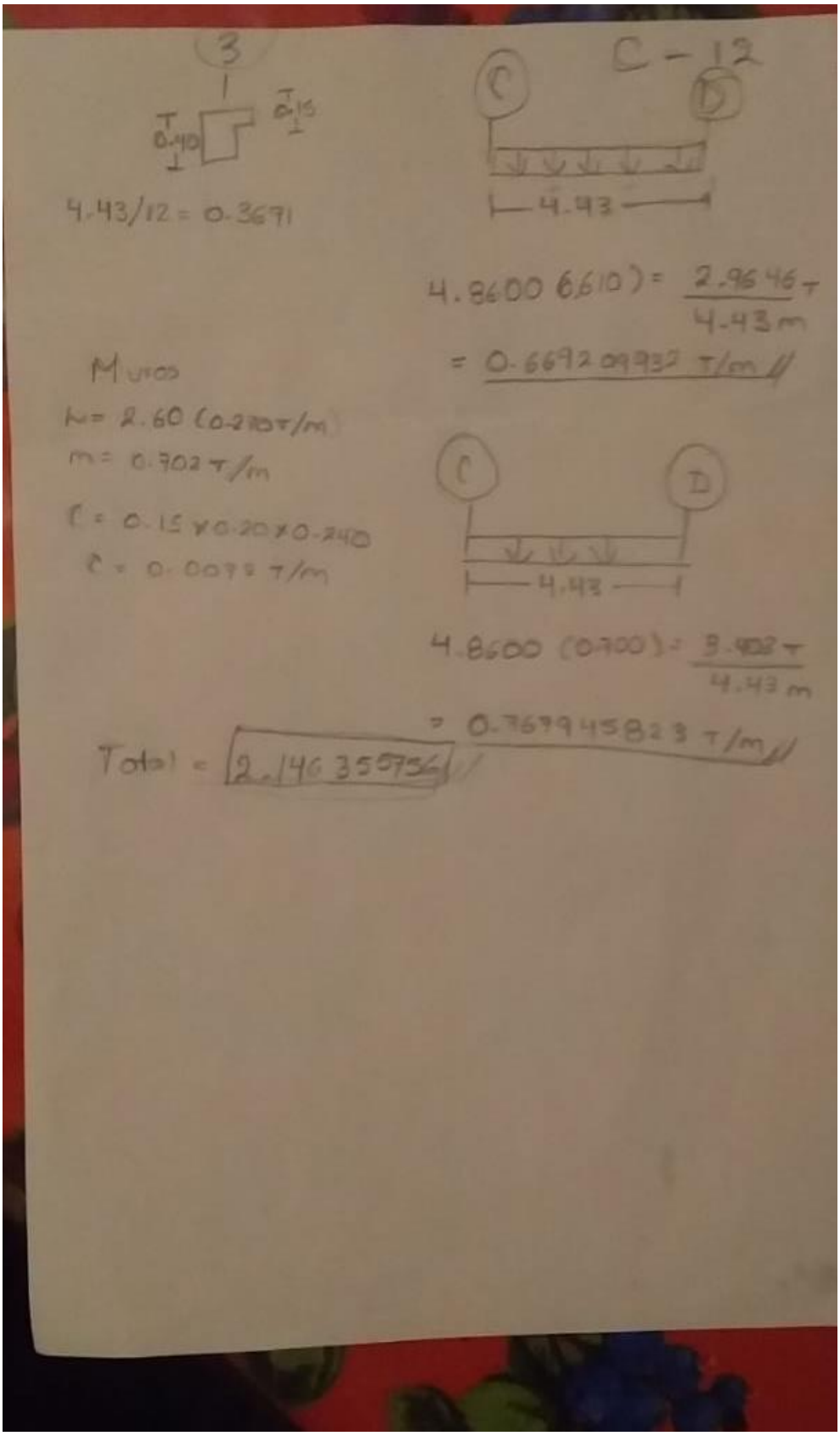
Arquitectura, quinto cuatrimestre

Febrero 12 del 2021

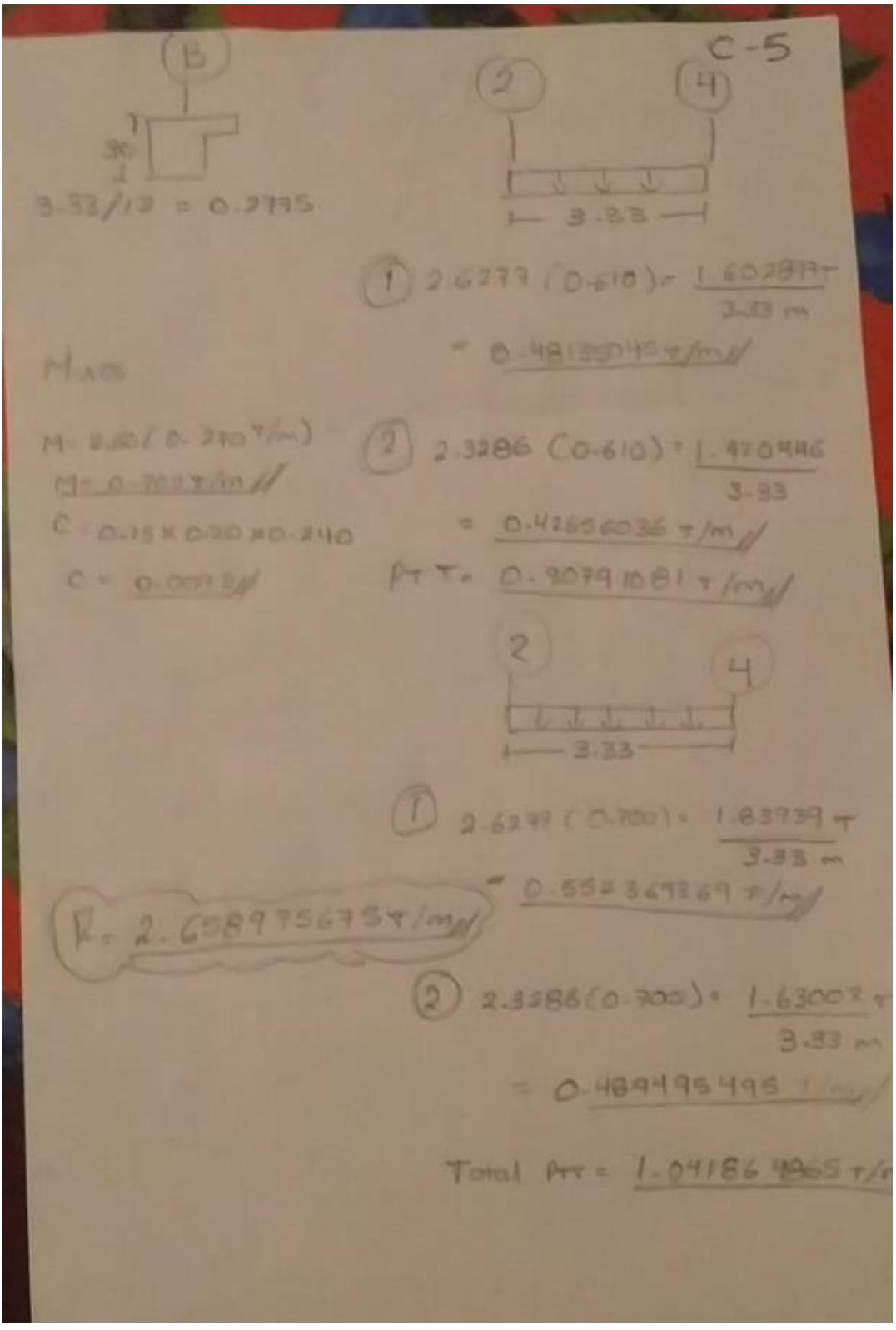
c - 11


5
6
4.67
5.4487 (0.610) = 3.323707
4.67
= 0.711714561
2.60 (0.270T/m)
M = 0.702 T/m
10.0197 (0.610) = 6.112017
4.67
= 1.308983084 T/m
C = 0.15 x 0.20 x 0.240
C = 0.0072 T/m
5
6
4.67
5.4487 (0.700) = 3.81409
4.67
= 0.816721627 T/m
C-11
R = 5.048301499
10.0197 (0.700) = 7.01379
4.67
= 1.501882127 T/m
= 2.318603854 T/m

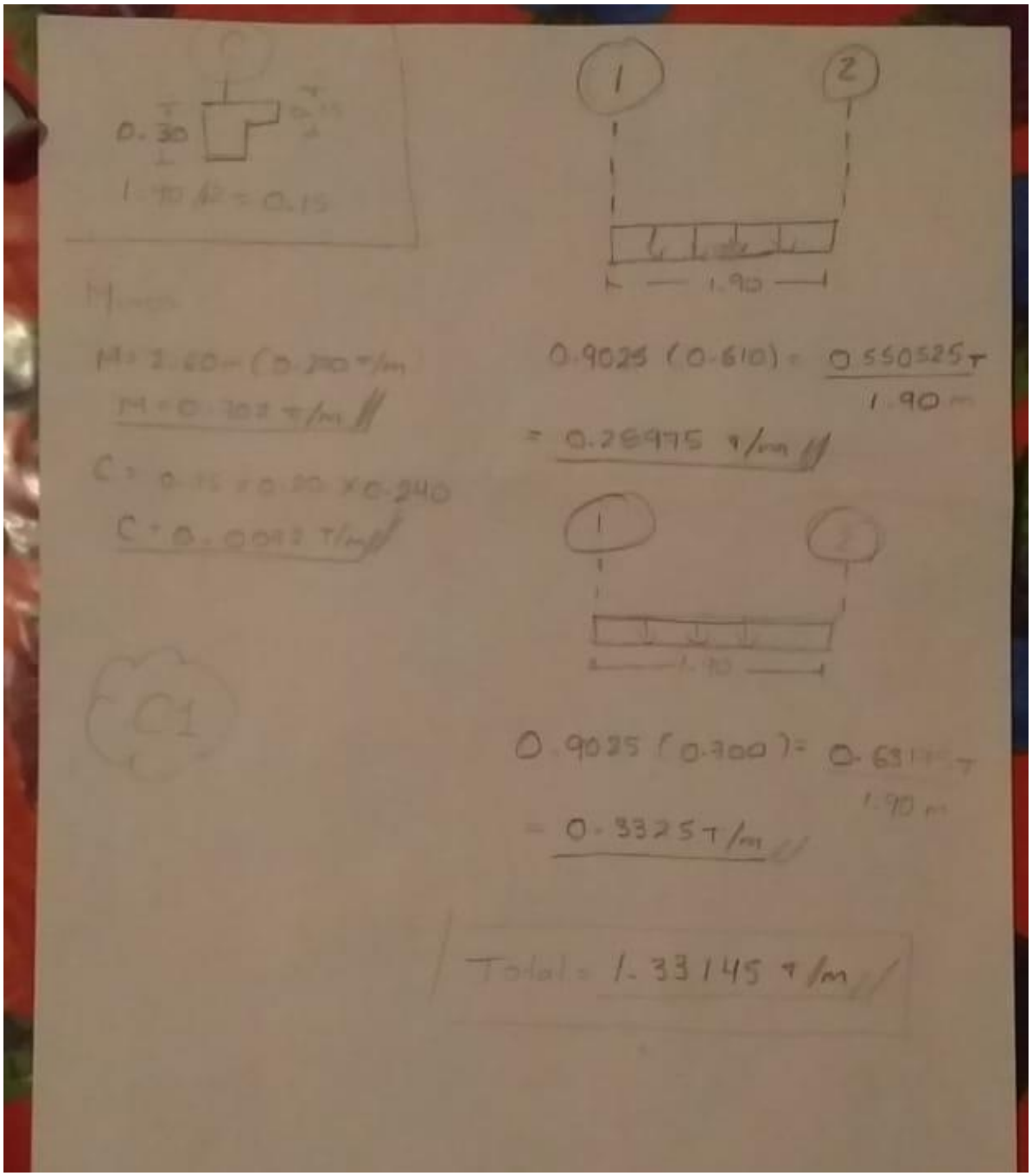
c-12


3
0.40
0.15
C-12
C
D
4.43
4.43/12 = 0.3691
4.8600 6610) = 2.9646 T / 4.43 m
= 0.669209932 T/m
M viga
W = 2.60 (0.270 T/m)
m = 0.702 T/m
C = 0.15 x 0.20 x 0.240
C = 0.0072 T/m
C
D
4.43
4.8600 (0700) = 3.402 T / 4.43 m
= 0.767945823 T/m
Total = 2.146 350756

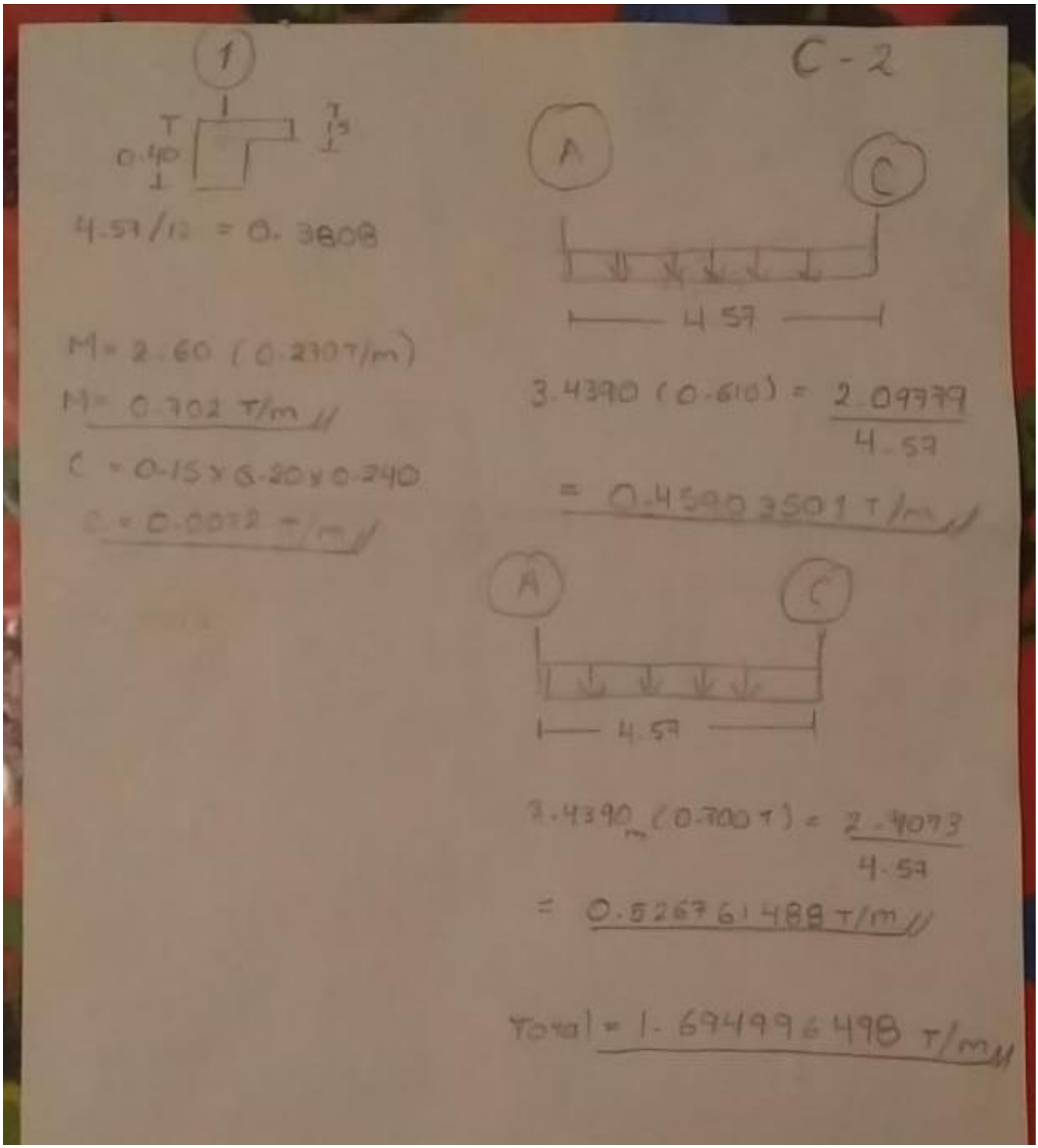
c-5


C-5
B
30
3.33/12 = 0.2775
2
4
3.33
1 2.6277 (0.610) = 1.602897 T / 3.33 m
= 0.481350451 T/m
M x 0.5
M = 2.60 (0.270 T/m)
M = 0.702 T/m
C = 0.15 x 0.30 x 0.240
C = 0.0108
2 2.3286 (0.610) = 1.420446 / 3.33
= 0.426560361 T/m
PP T = 0.907910811 T/m
2
4
3.33
1 2.6277 (0.700) = 1.83739 T / 3.33 m
= 0.551834869 T/m
R = 2.589756795 T/m
2 2.3286 (0.700) = 1.63002 T / 3.33 m
= 0.489495495 T/m
Total PP = 1.041864865 T/m

c- 1


0.30
1.90
1
2
1.90
0.9025 (0.610) = 0.550525 T
1.90 m
= 0.28975 T/m
1
2
1.90
0.9025 (0.300) = 0.63 T
1.90 m
= 0.3325 T/m
C1
Total = 1.33145 T/m

c- 2


1
T
0.40
T
1.5
4.57/12 = 0.3808
M = 2.60 (0.270 T/m)
M = 0.702 T/m
C = 0.15 x 6.20 x 0.240
C = 0.0072 T/m
C-2
A
C
4.57
3.4390 (0.610) = 2.09779 / 4.57
= 0.459035011 T/m
A
C
4.57
3.4390 (0.700 T) = 2.4073 / 4.57
= 0.526761488 T/m
Total = 1.694996498 T/m