UDS

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MATERIA: RESISTENCIA DE MATERIALES DE CONSTRUCCIÓN.

NOMBRE DEL TRABAJO: BARDA.

GRADO: 4º.

GRUPO: A.

STAAD Analysis and Design

```
++ Read/Check Data in Load Cases ..            13:24: 8
++ Using In-Core Advanced Math Solver
++ Processing and setting up Load Vector.      13:24: 8
++ Processing Element Stiffness Matrix.        13:24: 8
++ Calculating Member Forces.                  13:24: 8
++ Analysis Successfully Completed ++
++ Processing Element Forces.                  13:24: 8
++ Processing Element Corner Forces.           13:24: 8
++ Processing Element Stresses.                13:24: 8
++ Performing Concrete Design                  13:24: 8
++ Calculating Section Forces1.                13:24: 8
++ Calculating Section Forces2.                13:24: 8
++ Calculating Section Forces3.                13:24: 8
++ Start Concrete Design ...                   13:24: 8
++ Start Concrete Design ...                   13:24:13
++ Creating Displacement File (DSP)...         13:24:17
++ Creating Reaction File (REA)...             13:24:17
++ Calculating Section Forces1-110.            13:24:17
++ Calculating Section Forces2.                13:24:17
++ Calculating Section Forces3                 13:24:17
++ Creating Section Force File (BMD)...        13:24:17
++ Creating Section Displace File (SCN)...     13:24:17
++ Creating Element Stress File (EST)...       13:24:17
++ Creating Element JT Stress File (EJT)...    13:24:17
++ Creating Element JT Force File (ECF)...     13:24:17
++ Creating Design information File (DGN)...   13:24:17
++ Done.                                       13:24:17

0 Error(s), 3 Warning(s), 0 Note(s)

++ End STAAD.Pro Run Elapsed Time =     9 Secs
  C:\Users\USUARIO\Documents\TRABAJOS LUIS UDS\BARDA\B....anl
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Nodos	Carga ton.	Distancia	Momento
1	4.23	0	0
2	6.63	2.5	16.575
3	6.89	5	34.45
4	6.94	7.5	52.05
5	6.89	10	68.9
6	6.63	12.5	82.875
7	4.23	15	63.75
	↓	↓	↓
	42.44 ton	15 m	318.6 t/m

Centro de carga = 7.507 m

Centro geométrico = 7.5 m

Extensidad = 0.007 m