



ALUMNO(A): Fani de los Ángeles Jiménez Hernández

DOCENTE: Pedro Alberto García López

MATERIA: análisis de estructuras

ACTIVIDAD: diseño de trabes

CUATRIMESTRE: 5

GRUPO: LAR04EMC0121-A

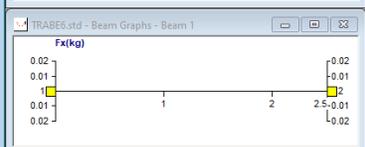
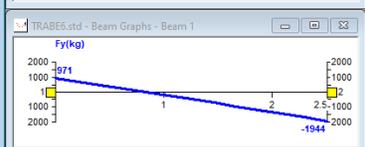
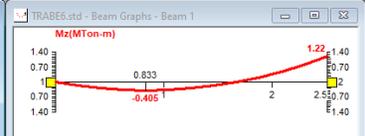
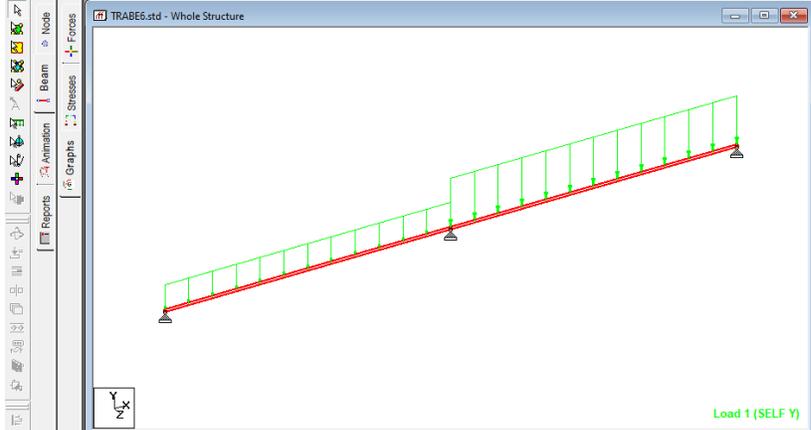
LUGAR Y FECHA: Comitán de Domínguez Chiapas, a; 12 de marzo de 2023

STAAD.Pro V8i (SELECTseries 6) - TRABE6.std

File Edit View Tools Select Results Report Mode Window Help

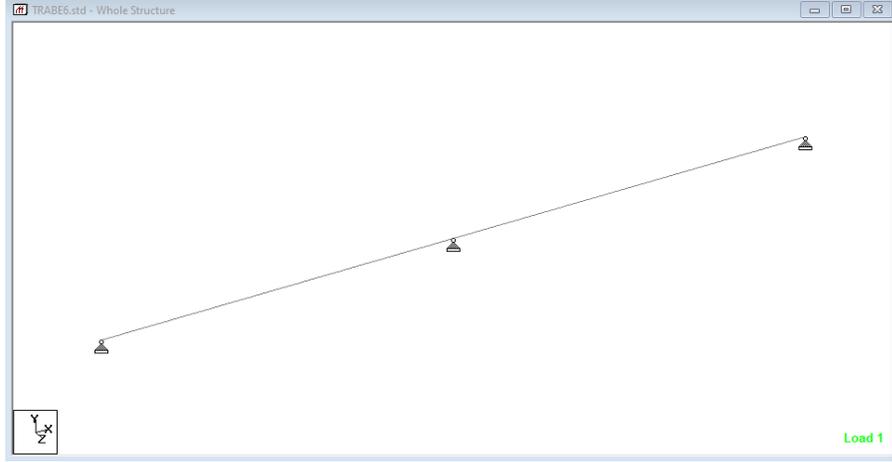
1: CM+CV

Modeling Building Planner Piping Bridge Deck Postprocessing Foundation Design Steel Design RAM Connection Concrete Design Advanced Slab Design Earthquake



For Help, press F1 Post Mode Load 1: CM+CV Input Units: kg-m

Building Planner Piping Bridge Deck Postprocessing Foundation Design Steel Design RAM Connection Concrete Design Advanced Slab Design Earthquake



Concrete Design - Whole Structure

Current Code: Mexican

- UNIT METER KG
- JOINT COORDINATES
- MEMBER INCIDENCES
- DEFINE MATERIAL START
- MEMBER PROPERTY AMERICAN
- CONSTANTS
- SUPPORTS
- LOAD 1 LOADTYPE None TITLE CM+CV
- PERFORM ANALYSIS
- START CONCRETE DESIGN
- FINISH

Highlight Assigned Geometry

Toggle Assign

Select Parameters... Define Parameters... Commands...

Assignment Method

Assign To Selected Beams

Assign To View

Use Cursor To Assign Select Group/Deck

Assign To Edit List

Assign Close Help

Sin titulo - STAAD Output Viewer

File Edit View Help

Cracked Moment of Inertia I_z at above location =0.17248E+09 mm⁴

REQUIRED REINF. STEEL SUMMARY :

SECTION (MM)	REINF STEEL (+VE/-VE) (SQ. MM)	MOMENTS (+VE/-VE) (KNS-MET)	LOAD (+VE/-VE)		
0.00	0.00/ 0.00	0.00	0./ 0.00	0/ 1	
208.33	97.53/ 0.00	0.00	2./ 0.00	1/ 0	
416.67	97.53/ 0.00	0.00	3./ 0.00	1/ 0	
625.00	97.53/ 0.00	0.00	4./ 0.00	1/ 0	
833.33	97.53/ 0.00	0.00	4./ 0.00	1/ 0	
1041.67	97.53/ 0.00	0.00	4./ 0.00	1/ 0	
1250.00	97.53/ 0.00	0.00	3./ 0.00	1/ 0	
1458.33	97.53/ 0.00	0.00	2./ 0.00	1/ 0	
1666.67	0.00/ 97.53	0.00	0./ 0.01	0/ 1	
1875.00	0.00/ 97.53	0.00	0./ 2.24	0/ 1	
2083.33	0.00/ 97.53	0.00	0./ 4.97	0/ 1	
2291.67	0.00/ 97.53	0.00	0./ 8.20	0/ 1	
2500.00	0.00/ 110.67	0.00	0./ 11.93	0/ 1	

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STAAD SPACE -- PAGE NO. 4

Total Page: 6

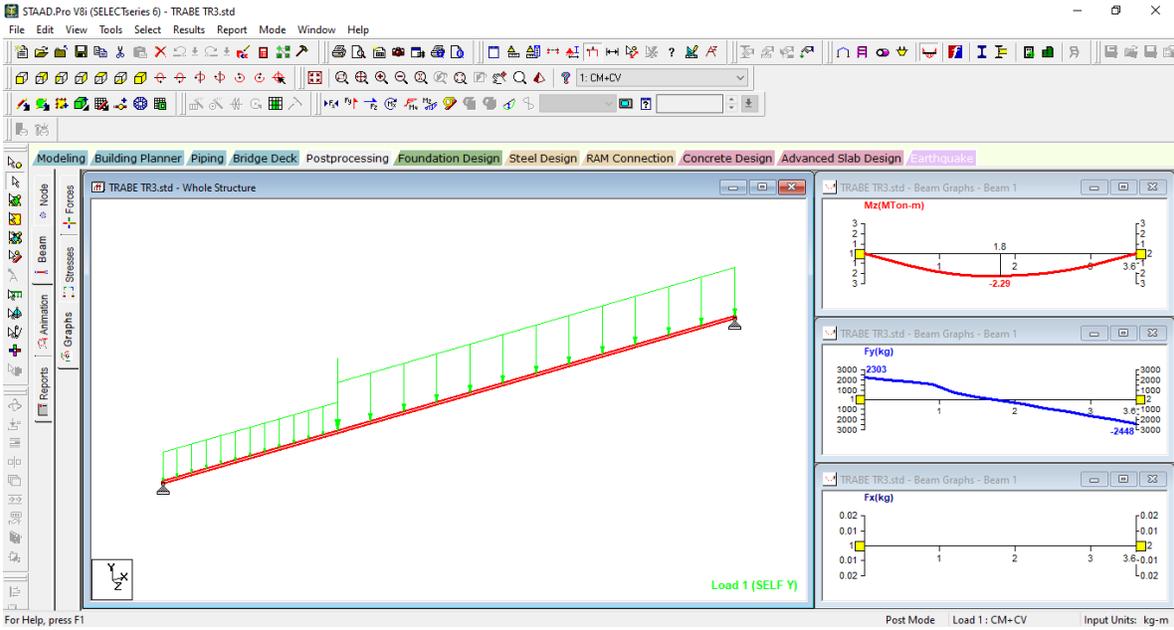
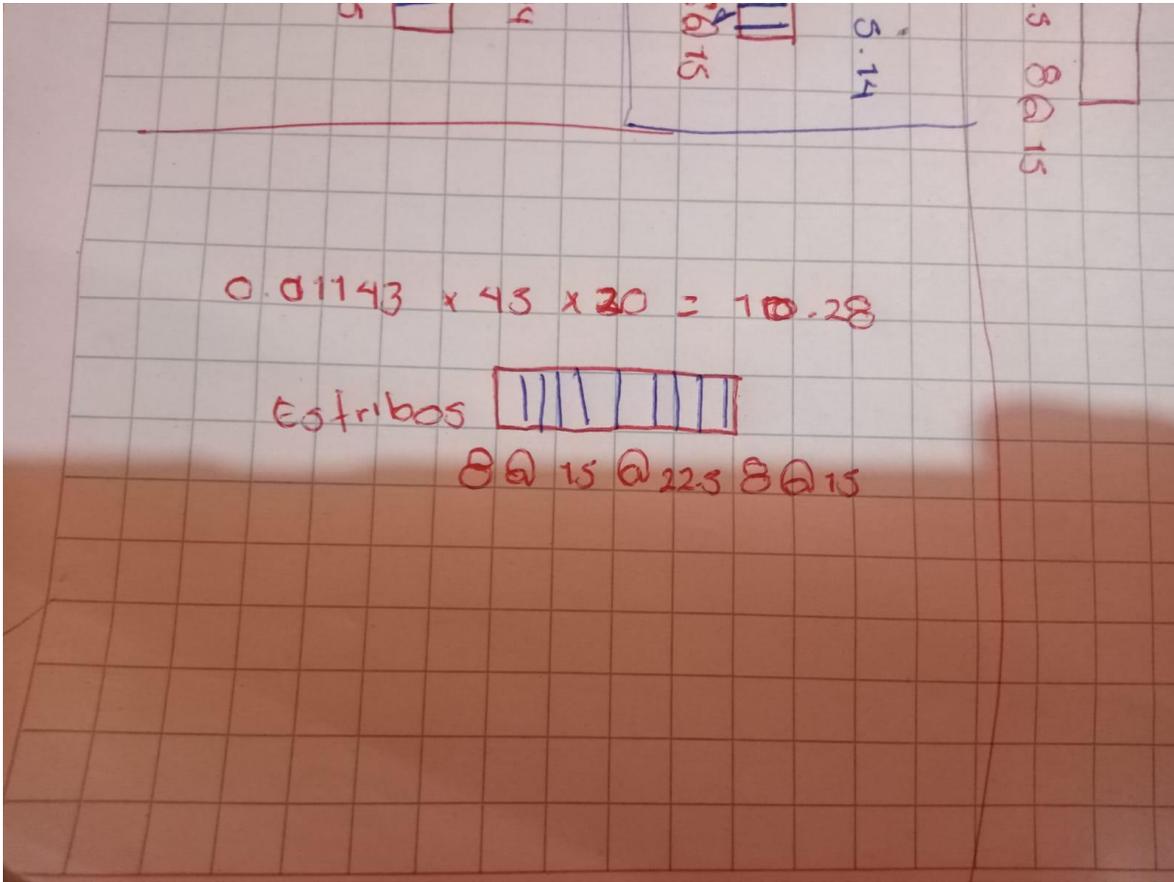
Sin titulo - STAAD Output Viewer

File Edit View Help

REQUIRED REINF. STEEL SUMMARY :

SECTION (MM)	REINF STEEL (+VE/-VE) (SQ. MM)	MOMENTS (+VE/-VE) (KNS-MET)	LOAD (+VE/-VE)		
0.00	0.00/ 110.67	0.00	0./ 11.93	0/ 1	
208.33	0.00/ 110.67	0.00	0./ 6.21	0/ 1	
416.67	0.00/ 110.67	0.00	0./ 1.36	0/ 1	
625.00	110.67/ 0.00	3.00	0.00	1/ 0	
833.33	110.67/ 0.00	6.00	0.00	1/ 0	
1041.67	110.67/ 0.00	8.00	0.00	1/ 0	
1250.00	110.67/ 0.00	9.00	0.00	1/ 0	
1458.33	110.67/ 0.00	10.00	0.00	1/ 0	
1666.67	110.67/ 0.00	10.00	0.00	1/ 0	
1875.00	110.67/ 0.00	9.00	0.00	1/ 0	
2083.33	110.67/ 0.00	7.00	0.00	1/ 0	
2291.67	110.67/ 0.00	4.00	0.00	1/ 0	
2500.00	0.00/ 0.00	0.00	0.00	0/ 1	

Total Page: 6



STAAD.Pro V8i (SELECTseries 6) - TRABE TR3.std

File Edit View Tools Select Geometry Commands Analyze Mode Window Help

TRABE TR3.std - STAAD Output Viewer

File Edit View Help

WARNING
NOTES
RESULTS
CONCRETE DESIGN

REQUIRED REINF. STEEL SUMMARY :

SECTION (MM)	REINF STEEL (+VE/-VE) (SQ. MM)	MOMENTS (+VE/-VE) (KNS-MET)	LOAD (+VE/-VE)
0.00	0.00/ 0.00	0./ 0.00	0/ 1
300.00	80.70/ 0.00	6./ 0.00	1/ 0
600.00	153.49/ 0.00	12./ 0.00	1/ 0
900.00	223.97/ 0.00	17./ 0.00	1/ 0
1200.00	279.55/ 0.00	21./ 0.00	1/ 0
1500.00	302.89/ 0.00	22./ 0.00	1/ 0
1800.00	307.82/ 0.00	22./ 0.00	1/ 0
2100.00	294.00/ 0.00	22./ 0.00	1/ 0
2400.00	262.34/ 0.00	20./ 0.00	1/ 0
2700.00	214.74/ 0.00	16./ 0.00	1/ 0
3000.00	153.57/ 0.00	12./ 0.00	1/ 0
3300.00	81.27/ 0.00	7./ 0.00	1/ 0
3600.00	0.00/ 0.00	0./ 0.00	0/ 1

Total Page: 4

Modeling Mo. Load 1: CM-CV Input Units: kg-m

