



# ANEXO 1

# CORRIDA CESI

**STEEL TAKE-OFF**

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PROFILE	LENGTH(METE)	WEIGHT (MTON)
291. 136 TO 150 211 TO 222 231 236 237 241 242		
ST W14X90	93.60	12.535
ST W16X31	162.00	7.475
ST W16X36	30.00	1.607
ST W21X68	54.00	5.458
ST W14X43	12.00	0.764
ST W14X30	208.50	9.325
ST HSST6X6X0.375	3.90	0.149
	-----	
	TOTAL =	37.314

MEMBER	PROFILE	LENGTH (METE)	WEIGHT (MTON)
1	ST W14X90	3.90	0.522
2	ST W14X90	3.90	0.522
3	ST W14X90	3.90	0.522
4	ST W14X90	3.90	0.522
5	ST W14X90	3.90	0.522
6	ST W14X90	3.90	0.522
7	ST W14X90	3.90	0.522
8	ST W14X90	3.90	0.522
9	ST W14X90	3.90	0.522
10	ST W14X90	3.90	0.522
11	ST W14X90	3.90	0.522
12	ST W14X90	3.90	0.522
13	ST W14X90	3.90	0.522
14	ST W14X90	3.90	0.522
15	ST W14X90	3.90	0.522
16	ST W14X90	3.90	0.522
17	ST W14X90	3.90	0.522
18	ST W14X90	3.90	0.522
19	ST W14X90	3.90	0.522
20	ST W14X90	3.90	0.522
21	ST W14X90	2.25	0.301
22	ST W14X90	3.90	0.522
23	ST W14X90	3.90	0.522
24	ST W14X90	3.90	0.522
25	ST W16X31	2.00	0.092
26	ST W16X31	2.00	0.092
27	ST W16X36	2.00	0.107
28	ST W16X31	3.00	0.138
29	ST W16X31	2.00	0.092
30	ST W16X31	2.00	0.092
31	ST W21X68	2.00	0.202
32	ST W16X31	1.50	0.069
33	ST W16X31	2.00	0.092

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34	ST	W21X68	2.00	0.202
35	ST	W16X36	2.00	0.107
37	ST	W16X31	2.00	0.092
38	ST	W21X68	2.00	0.202
39	ST	W16X36	2.00	0.107
40	ST	W21X68	2.00	0.202
41	ST	W21X68	2.00	0.202
42	ST	W16X36	2.00	0.107
43	ST	W16X31	6.00	0.277
44	ST	W16X31	6.00	0.277
45	ST	W16X31	6.00	0.277
46	ST	W16X31	6.00	0.277
47	ST	W16X31	6.00	0.277
48	ST	W16X31	6.00	0.277
49	ST	W16X31	3.50	0.161
50	ST	W16X31	6.00	0.277
51	ST	W16X31	6.00	0.277
52	ST	W16X31	6.00	0.277
53	ST	W16X31	6.00	0.277
54	ST	W16X31	4.50	0.208
55	ST	W16X31	6.00	0.277
56	ST	W16X31	6.00	0.277
57	ST	W16X31	6.00	0.277
58	ST	W16X31	6.00	0.277
59	ST	W16X31	6.00	0.277
60	ST	W16X31	6.00	0.277
61	ST	W16X31	6.00	0.277
62	ST	W16X31	2.00	0.092
63	ST	W16X31	2.00	0.092
64	ST	W16X31	2.00	0.092
65	ST	W16X31	2.00	0.092
66	ST	W16X31	2.00	0.092
67	ST	W16X31	2.00	0.092
70	ST	W14X43	6.00	0.382
71	ST	W14X30	6.00	0.268
72	ST	W14X43	6.00	0.382
73	ST	W14X30	6.00	0.268
76	ST	W16X31	2.00	0.092
77	ST	W16X31	2.00	0.092
78	ST	W16X31	2.00	0.092
79	ST	W16X31	2.00	0.092
80	ST	W16X31	2.00	0.092
81	ST	W16X31	2.00	0.092
82	ST	W21X68	2.00	0.202
83	ST	W21X68	2.00	0.202
84	ST	W14X30	6.00	0.268
85	ST	W14X30	6.00	0.268
86	ST	W14X30	6.00	0.268
87	ST	W14X30	6.00	0.268
88	ST	W16X36	2.00	0.107
89	ST	W16X36	2.00	0.107
90	ST	W16X36	2.00	0.107
93	ST	W21X68	2.00	0.202
94	ST	W21X68	2.00	0.202
95	ST	W21X68	2.00	0.202
96	ST	W21X68	2.00	0.202

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97	ST	W21X68	2.00	0.202
98	ST	W14X30	6.00	0.268
99	ST	W14X30	6.00	0.268
100	ST	W14X30	6.00	0.268
101	ST	W14X30	6.00	0.268
102	ST	W14X30	6.00	0.268
103	ST	W21X68	2.00	0.202
104	ST	W21X68	2.00	0.202
105	ST	W21X68	2.00	0.202
106	ST	W21X68	2.00	0.202
107	ST	W21X68	2.00	0.202
108	ST	W14X30	6.00	0.268
109	ST	W14X30	6.00	0.268
110	ST	W14X30	6.00	0.268
111	ST	W14X30	6.00	0.268
112	ST	W14X30	6.00	0.268
113	ST	W21X68	2.00	0.202
114	ST	W21X68	2.00	0.202
115	ST	W21X68	2.00	0.202
116	ST	W21X68	2.00	0.202
117	ST	W21X68	2.00	0.202
118	ST	W14X30	6.00	0.268
119	ST	W14X30	6.00	0.268
120	ST	W14X30	6.00	0.268
121	ST	W14X30	6.00	0.268
122	ST	W14X30	6.00	0.268
123	ST	W21X68	2.00	0.202
124	ST	W21X68	2.00	0.202
125	ST	W21X68	2.00	0.202
126	ST	W21X68	2.00	0.202
127	ST	W21X68	2.00	0.202
128	ST	W14X30	6.00	0.268
129	ST	W14X30	6.00	0.268
130	ST	W14X30	6.00	0.268
131	ST	W14X30	6.00	0.268
132	ST	W14X30	6.00	0.268
135	ST	W16X31	1.00	0.046
136	ST	W16X31	0.50	0.023
137	ST	W14X30	4.50	0.201
138	ST	W14X30	6.00	0.268
139	ST	W16X36	2.00	0.107
140	ST	W16X36	2.00	0.107
141	ST	W14X30	6.00	0.268
142	ST	W14X30	6.00	0.268
143	ST	W16X36	2.00	0.107
144	ST	W16X36	2.00	0.107
145	ST	W14X30	3.00	0.134
146	ST	W14X30	3.00	0.134
147	ST	W16X36	2.00	0.107
148	ST	W16X36	2.00	0.107
149	ST	W14X30	6.00	0.268
150	ST	W14X30	6.00	0.268
211	ST	W16X31	1.50	0.069
212	ST	W16X31	1.50	0.069
213	ST	W16X31	1.50	0.069
214	ST	W16X31	1.00	0.046

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215	ST	W16X36	2.00	0.107
216	ST	W16X36	2.00	0.107
217	ST	W16X31	1.50	0.069
218	ST	W14X30	1.50	0.067
219	ST	W14X30	1.50	0.067
220	ST	W14X30	1.50	0.067
221	ST	W16X31	0.50	0.023
222	ST	W14X30	1.50	0.067
231	ST	W14X90	1.65	0.221
236	ST	W14X30	3.00	0.134
237	ST	W14X30	3.00	0.134
241	ST	HSS6X6X0.375	3.90	0.149
242	ST	W16X31	2.50	0.115
-----				
TOTAL =				37.314

\*\*\*\*\* END OF DATA FROM INTERNAL STORAGE \*\*\*\*\*

- 292. \*PARAMETER 3
- 293. \*CODE LRFD
- 294. \*LZ 6 MEMB 32 135 136 212 214 221
- 295. \*PRINT DIA CR
- 296. PARAMETER 2
- 297. CODE LRFD
- 298. PARAMETER 3
- 299. CODE LRFD
- 300. FIXED GROUP
- 301. PARAMETER 4
- 302. CODE LRFD
- 303. PARAMETER 5
- 304. CODE LRFD
- 305. PARAMETER 6
- 306. CODE LRFD
- 307. PARAMETER 7
- 308. CODE LRFD
- 309. FIXED GROUP
- 310. PARAMETER 8
- 311. CODE LRFD
- 312. PARAMETER 9
- 313. CODE LRFD
- 314. PARAMETER 10
- 315. CODE LRFD
- 316. FIXED GROUP
- 317. PARAMETER 11
- 318. CODE LRFD
- 319. PARAMETER 12
- 320. CODE LRFD
- 321. CHECK CODE MEMB 244 245 248

STAAD.Pro CODE CHECKING - (LRFD 3RD EDITION) v1.0  
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ALL UNITS ARE - MTON METE (UNLESS OTHERWISE Noted)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
=====					
244	ST	W16X31	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.147	21
		0.54 T	-0.12	-1.98	0.67
245	ST	W16X31	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.435	28
		0.24 T	-0.72	-2.74	0.00
248	ST	W16X31	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.367	25
		0.04 T	-0.55	-2.74	2.05

\*\*\*\*\* END OF TABULATED RESULT OF DESIGN \*\*\*\*\*

- 322. PARAMETER 13
- 323. CODE LRFD
- 324. FIXED GROUP
- 325. PARAMETER 14
- 326. CODE LRFD
- 327. STEEL MEMBER TAKE OFF LIST 244 245 248

STEEL TAKE-OFF

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PROFILE	LENGTH(METE)	WEIGHT (MTON)
ST W16X31	4.83	0.223
	TOTAL =	0.223

MEMBER	PROFILE	LENGTH (METE)	WEIGHT (MTON)
244	ST W16X31	0.67	0.031
245	ST W16X31	2.11	0.097
248	ST W16X31	2.05	0.095
	TOTAL =		0.223

\*\*\*\*\* END OF DATA FROM INTERNAL STORAGE \*\*\*\*\*

- 328. PARAMETER 15
- 329. CODE LRFD
- 330. CHECK CODE MEMB 249 TO 255

STAAD.Pro CODE CHECKING - (LRFD 3RD EDITION) v1.0  
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ALL UNITS ARE - MTON METE (UNLESS OTHERWISE Noted)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
249	ST W16X31		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.897	25
		0.26 C	1.15	8.25	0.00
250	ST W16X31		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.423	25
		0.04 T	-0.28	-5.90	2.00
251	ST W16X31		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.997	28
		0.34 C	1.24	9.46	2.00
252	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.577	20
		0.03 T	0.01	5.74	0.00
253	ST W14X43		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.292	25
		0.43 C	0.55	4.00	0.00
254	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.416	24
		0.18 T	-0.63	3.10	0.00
255	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.385	28
		0.55 T	-0.61	2.58	0.00

\*\*\*\*\* END OF TABULATED RESULT OF DESIGN \*\*\*\*\*

- 331. PARAMETER 16
- 332. CODE LRFD
- 333. FIXED GROUP
- 334. PARAMETER 17
- 335. CODE LRFD
- 336. STEEL MEMBER TAKE OFF LIST 249 TO 255



STEEL TAKE-OFF

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PROFILE	LENGTH(METE)	WEIGHT (MTON)
ST W16X31	6.00	0.277
ST W14X30	14.56	0.651
ST W14X43	6.00	0.382
	-----	
	TOTAL =	1.310

MEMBER	PROFILE	LENGTH (METE)	WEIGHT (MTON)
249	ST W16X31	2.00	0.092
250	ST W16X31	2.00	0.092
251	ST W16X31	2.00	0.092
252	ST W14X30	6.00	0.268
253	ST W14X43	6.00	0.382
254	ST W14X30	4.02	0.180
255	ST W14X30	4.53	0.203
		-----	
		TOTAL =	1.310

\*\*\*\*\* END OF DATA FROM INTERNAL STORAGE \*\*\*\*\*

- 337. PARAMETER 18
- 338. CODE LRFD
- 339. STEEL TAKE OFF LIST 249 TO 255

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## STEEL TAKE-OFF

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PROFILE	LENGTH(METE)	WEIGHT(MTON)
ST W16X31	6.00	0.277
ST W14X30	14.56	0.651
ST W14X43	6.00	0.382
	-----	
	TOTAL =	1.310

\*\*\*\*\* END OF DATA FROM INTERNAL STORAGE \*\*\*\*\*

340. PRINT SUPPORT REACTION LIST 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 -  
341. 35 37 39 41 43 45 47 125

SUPPORT REACTIONS -UNIT MTON METE STRUCTURE TYPE = SPACE

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JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
1	20	1.83	7.95	0.75	1.00	0.00	-2.06
	21	2.85	6.28	0.99	1.83	0.00	2.97
	22	2.46	5.97	0.33	0.23	-0.00	1.85
	23	0.13	5.39	0.73	1.20	0.00	-4.75
	24	-0.27	5.08	0.06	-0.41	-0.00	-5.87
	25	2.36	6.33	1.68	3.48	0.00	1.57
	26	1.04	5.29	-0.54	-1.86	-0.00	-2.16
	27	1.54	6.07	1.60	3.29	0.00	-0.75
3	28	0.22	5.03	-0.62	-2.05	-0.00	-4.47
	20	-0.34	16.10	1.46	1.91	0.00	0.46
	21	1.82	11.63	1.47	2.41	0.00	5.33
	22	1.31	11.33	0.82	0.83	-0.00	4.07
	23	-1.79	11.52	1.25	1.86	0.00	-3.42
	24	-2.30	11.22	0.59	0.28	-0.00	-4.67
	25	1.16	11.94	2.16	4.06	0.00	3.73
	26	-0.56	10.94	-0.03	-1.20	-0.00	-0.46
5	27	0.08	11.91	2.09	3.89	0.00	1.11
	28	-1.64	10.91	-0.10	-1.37	-0.00	-3.08
	20	5.41	24.79	1.47	1.90	0.00	-6.21
	21	5.54	18.25	1.46	2.37	0.00	0.21
	22	5.08	17.94	0.80	0.78	-0.00	-0.98
	23	2.56	17.19	1.27	1.91	0.00	-7.79
	24	2.10	16.88	0.61	0.31	-0.00	-8.98
	25	5.03	18.23	2.17	4.07	0.00	-1.20
7	26	3.50	17.21	-0.04	-1.24	-0.00	-5.17
	27	4.14	17.91	2.11	3.93	0.00	-3.60
	28	2.60	16.89	-0.10	-1.38	-0.00	-7.57
	20	-6.21	19.43	0.76	0.97	0.00	7.27
	21	-2.45	14.43	0.97	1.72	0.00	9.98
	22	-2.92	14.04	0.25	-0.01	-0.00	8.77
	23	-5.84	13.56	0.83	1.39	0.00	1.49
	24	-6.32	13.17	0.10	-0.35	-0.00	0.28
9	25	-3.08	14.59	1.76	3.63	0.00	8.42
	26	-4.67	13.28	-0.65	-2.16	-0.00	4.39
	27	-4.10	14.33	1.72	3.53	0.00	5.88
	28	-5.69	13.02	-0.69	-2.26	-0.00	1.84
	20	-1.50	8.53	0.69	0.87	0.00	1.81
	21	0.51	6.65	0.93	1.69	0.00	5.71
	22	0.11	6.35	0.16	-0.17	-0.00	4.58
	23	-2.23	5.83	0.81	1.39	0.00	-2.03
11	24	-2.63	5.52	0.04	-0.47	-0.00	-3.15
	25	0.02	6.72	1.79	3.75	0.00	4.31
	26	-1.32	5.71	-0.78	-2.44	-0.00	0.57
	27	-0.81	6.47	1.75	3.66	0.00	1.99
	28	-2.14	5.46	-0.82	-2.53	-0.00	-1.75
11	20	5.23	19.23	-0.05	-0.01	0.00	-6.03

SUPPORT REACTIONS -UNIT MTON METE STRUCTURE TYPE = SPACE

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JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
	21	5.14	14.10	0.57	1.29	0.00	-0.13
	22	4.94	13.99	-0.29	-0.56	-0.00	-0.70
	23	2.43	13.26	0.23	0.56	0.00	-7.81
	24	2.22	13.15	-0.63	-1.29	-0.00	-8.38
	25	4.43	13.93	1.45	3.18	0.00	-2.15
	26	3.75	13.56	-1.41	-2.97	-0.00	-4.06
	27	3.62	13.68	1.35	2.97	0.00	-4.45
	28	2.94	13.31	-1.51	-3.19	-0.00	-6.36
13	20	-3.94	26.52	-0.59	-0.72	0.00	4.61
	21	-0.94	19.02	0.16	0.72	0.00	7.82
	22	-1.20	18.95	-0.69	-1.10	-0.00	7.18
	23	-4.36	18.61	-0.14	0.09	0.00	-0.68
	24	-4.62	18.54	-0.99	-1.73	-0.00	-1.32
	25	-1.83	18.96	1.04	2.63	0.00	5.59
	26	-2.70	18.72	-1.78	-3.45	-0.00	3.46
	27	-2.86	18.83	0.96	2.44	0.00	3.04
	28	-3.73	18.60	-1.87	-3.63	-0.00	0.91
15	20	15.81	49.62	-0.61	-0.75	0.00	-18.31
	21	13.58	35.72	0.13	0.67	0.00	-7.69
	22	13.28	35.64	-0.73	-1.17	-0.00	-8.37
	23	9.02	34.52	-0.12	0.13	0.00	-17.48
	24	8.73	34.44	-0.98	-1.71	-0.00	-18.15
	25	12.32	35.39	1.04	2.63	0.00	-10.33
	26	11.35	35.13	-1.82	-3.51	-0.00	-12.58
	27	10.96	35.03	0.97	2.46	0.00	-13.26
	28	9.98	34.77	-1.89	-3.67	-0.00	-15.52
17	20	-14.71	55.09	0.19	0.24	0.00	17.10
	21	-8.63	40.06	0.69	1.36	0.00	16.51
	22	-8.92	39.98	-0.25	-0.64	-0.00	15.84
	23	-11.84	37.91	0.51	0.98	0.00	8.29
	24	-12.13	37.82	-0.43	-1.03	-0.00	7.62
	25	-9.41	39.41	1.71	3.57	0.00	14.42
	26	-10.38	39.12	-1.40	-3.12	-0.00	12.18
	27	-10.38	38.76	1.66	3.45	0.00	11.95
	28	-11.34	38.48	-1.45	-3.24	-0.00	9.71
19	20	-2.65	15.38	-0.10	-0.14	0.00	3.11
	21	-0.41	11.41	0.51	1.15	0.00	6.33
	22	-0.61	11.28	-0.49	-1.00	-0.00	5.76
	23	-3.14	10.55	0.35	0.80	0.00	-1.37
	24	-3.34	10.42	-0.65	-1.34	-0.00	-1.94
	25	-1.13	11.25	1.62	3.53	0.00	4.30
	26	-1.79	10.84	-1.71	-3.62	-0.00	2.40
	27	-1.95	10.99	1.57	3.42	0.00	1.99
	28	-2.61	10.58	-1.76	-3.72	-0.00	0.09
21	20	4.98	18.55	0.16	0.25	0.00	-5.78
	21	4.92	13.67	0.71	1.47	0.00	-0.15

SUPPORT REACTIONS -UNIT MTON METE STRUCTURE TYPE = SPACE

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JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
	22	4.87	13.59	-0.14	-0.38	-0.00	-0.29
	23	2.15	12.71	0.37	0.74	0.00	-7.87
	24	2.10	12.63	-0.48	-1.10	-0.00	-8.01
	25	4.01	13.43	1.60	3.37	0.00	-2.68
	26	3.84	13.15	-1.26	-2.78	-0.00	-3.16
	27	3.18	13.14	1.49	3.15	0.00	-5.00
	28	3.01	12.87	-1.36	-3.00	-0.00	-5.47
23	20	-4.99	17.72	0.01	0.05	0.00	5.79
	21	-2.09	13.06	0.56	1.24	0.00	8.02
	22	-2.14	13.04	-0.26	-0.55	-0.00	7.88
	23	-4.89	12.03	0.28	0.62	0.00	0.27
	24	-4.94	12.01	-0.54	-1.16	-0.00	0.13
	25	-3.01	12.72	1.41	3.10	0.00	5.47
	26	-3.18	12.66	-1.31	-2.84	-0.00	5.00
	27	-3.85	12.41	1.33	2.92	0.00	3.14
	28	-4.02	12.35	-1.40	-3.03	-0.00	2.68
25	20	18.15	33.97	0.03	0.06	0.00	-21.07
	21	14.75	24.78	0.55	1.21	0.00	-10.36
	22	14.66	24.72	-0.27	-0.59	-0.00	-10.53
	23	10.97	23.39	0.31	0.68	0.00	-19.21
	24	10.88	23.33	-0.51	-1.12	-0.00	-19.39
	25	13.52	24.35	1.43	3.13	0.00	-13.25
	26	13.24	24.17	-1.32	-2.88	-0.00	-13.84
	27	12.39	23.94	1.36	2.97	0.00	-15.91
	28	12.11	23.76	-1.39	-3.04	-0.00	-16.50
27	20	-12.24	58.68	-0.04	-0.05	0.00	14.20
	21	-6.78	42.44	0.51	1.14	0.00	14.44
	22	-6.84	42.38	-0.39	-0.83	-0.00	14.29
	23	-10.42	40.62	0.34	0.76	0.00	5.73
	24	-10.49	40.56	-0.57	-1.21	-0.00	5.58
	25	-7.98	41.87	1.50	3.30	0.00	11.57
	26	-8.19	41.67	-1.50	-3.25	-0.00	11.07
	27	-9.07	41.33	1.45	3.18	0.00	8.96
	28	-9.28	41.12	-1.56	-3.37	-0.00	8.46
29	20	-3.44	16.27	-0.01	-0.02	0.00	3.99
	21	-1.01	12.03	0.55	1.20	0.00	6.78
	22	-1.06	12.01	-0.41	-0.90	-0.00	6.64
	23	-3.82	11.15	0.40	0.86	0.00	-0.98
	24	-3.87	11.12	-0.57	-1.23	-0.00	-1.12
	25	-1.93	11.74	1.62	3.53	0.00	4.23
	26	-2.11	11.67	-1.59	-3.46	-0.00	3.75
	27	-2.77	11.48	1.57	3.43	0.00	1.90
	28	-2.95	11.41	-1.63	-3.56	-0.00	1.43
31	20	3.73	12.11	-0.65	-0.78	0.00	-4.36
	21	4.19	9.37	0.01	0.57	0.00	0.92
	22	3.99	9.07	-0.66	-1.04	-0.00	0.35

SUPPORT REACTIONS -UNIT MTON METE STRUCTURE TYPE = SPACE

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JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
	23	1.46	8.45	-0.26	-0.06	0.00	-6.73
	24	1.26	8.16	-0.92	-1.67	-0.00	-7.29
	25	3.47	9.39	0.69	2.22	0.00	-1.10
	26	2.80	8.41	-1.53	-3.13	-0.00	-2.98
	27	2.65	9.12	0.61	2.03	0.00	-3.39
	28	1.98	8.13	-1.61	-3.32	-0.00	-5.28
33	20	-2.62	23.80	0.87	1.14	0.00	3.01
	21	-0.13	17.68	1.22	2.09	0.00	6.83
	22	-0.38	17.59	0.38	0.26	-0.00	6.20
	23	-3.58	17.24	0.91	1.44	0.00	-1.66
	24	-3.83	17.16	0.06	-0.39	-0.00	-2.29
	25	-1.03	17.62	2.10	3.98	0.00	4.60
	26	-1.89	17.34	-0.72	-2.09	-0.00	2.49
	27	-2.07	17.49	2.01	3.79	0.00	2.05
	28	-2.93	17.21	-0.82	-2.28	-0.00	-0.05
35	20	14.91	48.40	0.67	0.88	0.00	-17.34
	21	12.55	34.83	1.02	1.81	0.00	-7.52
	22	12.26	34.75	0.17	-0.03	-0.00	-8.19
	23	8.81	33.64	0.78	1.27	0.00	-16.32
	24	8.52	33.56	-0.08	-0.57	-0.00	-16.98
	25	11.58	34.51	1.94	3.77	0.00	-9.82
	26	10.62	34.24	-0.92	-2.37	-0.00	-12.04
	27	10.46	34.16	1.86	3.61	0.00	-12.46
	28	9.49	33.88	-0.99	-2.53	-0.00	-14.68
37	20	-12.49	59.94	0.17	0.21	0.00	14.46
	21	-6.64	43.02	0.67	1.35	0.00	15.12
	22	-6.93	42.94	-0.26	-0.66	-0.00	14.45
	23	-10.69	41.78	0.49	0.96	0.00	5.96
	24	-10.99	41.69	-0.44	-1.04	-0.00	5.29
	25	-7.72	42.69	1.70	3.55	0.00	12.70
	26	-8.69	42.40	-1.41	-3.13	-0.00	10.46
	27	-8.93	42.32	1.65	3.44	0.00	9.95
	28	-9.91	42.02	-1.47	-3.25	-0.00	7.71
39	20	-3.26	16.25	0.08	0.09	0.00	3.75
	21	-0.83	12.00	0.63	1.31	0.00	6.77
	22	-1.04	11.87	-0.36	-0.84	-0.00	6.19
	23	-3.57	11.21	0.47	0.96	0.00	-0.90
	24	-3.78	11.08	-0.53	-1.18	-0.00	-1.47
	25	-1.55	11.87	1.74	3.69	0.00	4.75
	26	-2.24	11.44	-1.59	-3.46	-0.00	2.84
	27	-2.37	11.64	1.69	3.58	0.00	2.45
	28	-3.06	11.20	-1.63	-3.56	-0.00	0.54
41	20	0.69	10.14	-1.68	-2.07	0.00	-0.85
	21	2.69	8.48	-0.77	-0.43	0.01	4.46
	22	2.13	8.09	-1.42	-2.00	0.01	3.16
	23	-1.15	6.63	-1.04	-1.04	-0.01	-4.37

SUPPORT REACTIONS -UNIT MTON METE STRUCTURE TYPE = SPACE

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JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
	24	-1.71	6.24	-1.69	-2.61	-0.01	-5.67
	25	2.01	8.29	-0.11	1.18	0.01	2.88
	26	0.12	6.99	-2.28	-4.03	-0.00	-1.44
	27	0.86	7.73	-0.19	0.99	0.00	0.23
	28	-1.03	6.43	-2.36	-4.22	-0.01	-4.09
43	20	3.61	28.00	-1.43	-1.80	0.00	-4.25
	21	5.23	20.75	-0.57	-0.23	0.00	2.64
	22	4.56	20.38	-1.24	-1.83	-0.00	1.21
	23	0.56	19.39	-0.77	-0.70	0.00	-7.25
	24	-0.11	19.02	-1.43	-2.29	-0.00	-8.68
	25	4.38	20.71	0.13	1.46	0.00	0.85
	26	2.14	19.47	-2.08	-3.85	-0.00	-3.92
	27	2.98	20.30	0.07	1.33	0.00	-2.12
	28	0.74	19.06	-2.14	-3.99	-0.00	-6.89
45	20	-4.99	24.55	-1.37	-1.75	0.00	5.72
	21	-1.38	18.08	-0.53	-0.19	0.00	9.11
	22	-1.95	17.69	-1.26	-1.93	-0.00	7.80
	23	-5.12	17.17	-0.67	-0.53	0.00	0.30
	24	-5.69	16.78	-1.40	-2.27	-0.00	-1.01
	25	-2.03	18.21	0.26	1.72	0.00	7.55
	26	-3.92	16.92	-2.15	-4.08	-0.00	3.19
	27	-3.15	17.94	0.22	1.61	0.00	4.91
	28	-5.04	16.65	-2.19	-4.18	-0.00	0.55
47	20	-1.13	6.83	-0.71	-0.91	0.00	1.24
	21	0.82	5.54	-0.05	0.43	0.00	5.30
	22	0.41	5.23	-0.82	-1.42	-0.00	4.17
	23	-1.99	4.54	-0.17	0.13	0.00	-2.43
	24	-2.40	4.23	-0.95	-1.72	-0.00	-3.56
	25	0.31	5.54	0.81	2.49	0.00	3.91
	26	-1.05	4.53	-1.77	-3.69	-0.00	0.15
	27	-0.53	5.24	0.77	2.41	0.00	1.59
	28	-1.90	4.23	-1.81	-3.78	-0.00	-2.17
125	20	0.17	2.53	-0.05	-0.06	-0.00	-0.16
	21	0.85	2.28	0.12	0.28	0.05	1.39
	22	0.75	2.25	0.02	-0.13	0.04	1.13
	23	-0.48	1.80	-0.10	0.03	-0.04	-1.39
	24	-0.58	1.77	-0.20	-0.38	-0.06	-1.64
	25	0.51	2.15	0.16	0.67	0.03	0.71
	26	0.16	2.05	-0.17	-0.69	-0.01	-0.13
	27	0.11	2.00	0.09	0.59	0.00	-0.12
	28	-0.24	1.90	-0.24	-0.77	-0.04	-0.96

\*\*\*\*\* END OF LATEST ANALYSIS RESULT \*\*\*\*\*

342. FINISH

\*\*\*\*\* END OF THE STAAD.Pro RUN \*\*\*\*\*

\*\*\*\* DATE= MAR 7,2018 TIME= 21:26:37 \*\*\*\*

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\* For technical assistance on STAAD.Pro, please visit \*  
\* <http://selectservices.bentley.com/en-US/> \*  
\* \*  
\* Details about additional assistance from \*  
\* Bentley and Partners can be found at program menu \*  
\* Help->Technical Support \*  
\* \*  
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