



C.E.C GROUP sh.p.k

RAPORTI LLOGARITES I URES TIP

Sistemimii Perroit te Llixhave, Segmenti Ura e Pazarit – Llixha dhe Rikualifikimi Urbani Zones. Bashkia Diber

1. Gjeometria modelit

Ky seksion ofron informacione për gjeometrinë e modelit, duke përfshirë artikuj të tillë si koordinatat e përbashkëta, kufizimet e përbashkëta dhe lidhja e elementeve.

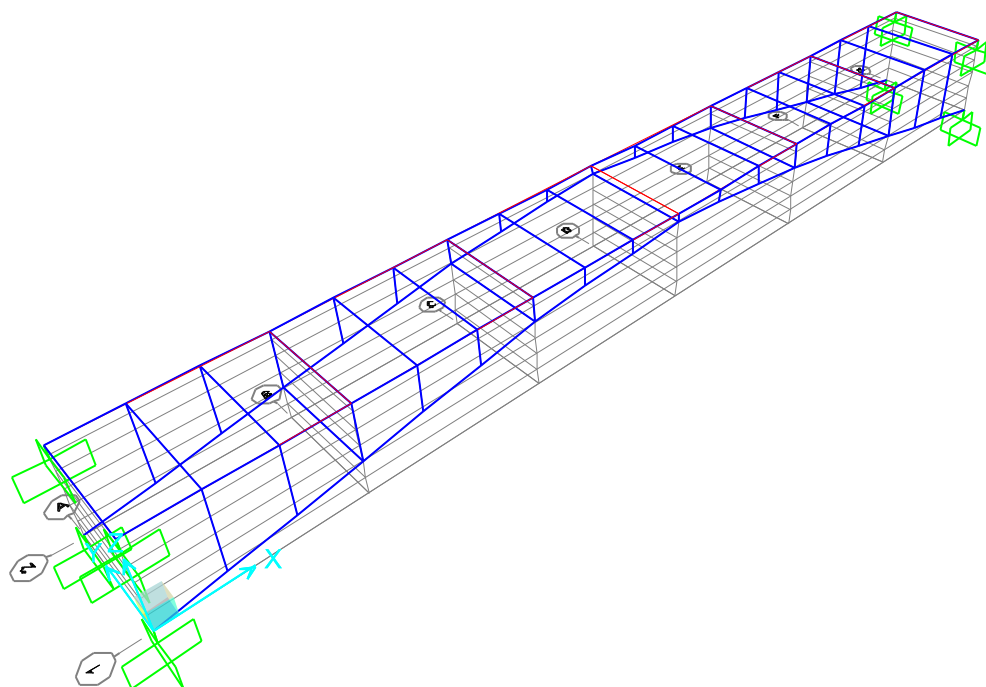


Figure 1: Modeli i elementeve

1.1. Koordinatat e Nyjeve

Table 1: Kordinatat e nyjeve

Table 1: Joint Coordinates					
Joint	CoordSys	CoordType	GlobalX mm	GlobalY mm	GlobalZ mm
4	GLOBAL	Cartesian	0.	0.	0.
5	GLOBAL	Cartesian	5000.	0.	1000.
6	GLOBAL	Cartesian	10000.	0.	2000.
7	GLOBAL	Cartesian	15000.	0.	2500.
8	GLOBAL	Cartesian	20000.	0.	2000.
9	GLOBAL	Cartesian	25000.	0.	1000.
10	GLOBAL	Cartesian	30000.	0.	0.
11	GLOBAL	Cartesian	0.	3300.	0.
12	GLOBAL	Cartesian	5000.	3300.	1000.

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX mm	GlobalY mm	GlobalZ mm
13	GLOBAL	Cartesian	10000.	3300.	2000.
14	GLOBAL	Cartesian	15000.	3300.	2500.
15	GLOBAL	Cartesian	20000.	3300.	2000.
16	GLOBAL	Cartesian	25000.	3300.	1000.
17	GLOBAL	Cartesian	30000.	3300.	0.
18	GLOBAL	Cartesian	0.	0.	2750.
19	GLOBAL	Cartesian	5000.	0.	2750.
20	GLOBAL	Cartesian	10000.	0.	2750.
21	GLOBAL	Cartesian	20000.	0.	2750.
22	GLOBAL	Cartesian	25000.	0.	2750.
23	GLOBAL	Cartesian	30000.	0.	2750.
24	GLOBAL	Cartesian	0.	3300.	2750.
25	GLOBAL	Cartesian	5000.	3300.	2750.
26	GLOBAL	Cartesian	10000.	3300.	2750.
27	GLOBAL	Cartesian	20000.	3300.	2750.
28	GLOBAL	Cartesian	25000.	3300.	2750.
29	GLOBAL	Cartesian	30000.	3300.	2750.
30	GLOBAL	Cartesian	1666.67	0.	2750.
31	GLOBAL	Cartesian	3333.33	0.	2750.
32	GLOBAL	Cartesian	6666.67	0.	2750.
34	GLOBAL	Cartesian	11666.67	0.	2750.
35	GLOBAL	Cartesian	13333.33	0.	2750.
36	GLOBAL	Cartesian	16666.67	0.	2750.
37	GLOBAL	Cartesian	18333.33	0.	2750.
38	GLOBAL	Cartesian	21666.67	0.	2750.
39	GLOBAL	Cartesian	23333.33	0.	2750.
40	GLOBAL	Cartesian	26666.67	0.	2750.
41	GLOBAL	Cartesian	28333.33	0.	2750.
42	GLOBAL	Cartesian	1666.67	3300.	2750.
43	GLOBAL	Cartesian	3333.33	3300.	2750.
44	GLOBAL	Cartesian	6666.67	3300.	2750.
46	GLOBAL	Cartesian	11666.67	3300.	2750.
47	GLOBAL	Cartesian	13333.33	3300.	2750.
48	GLOBAL	Cartesian	16666.67	3300.	2750.
49	GLOBAL	Cartesian	18333.33	3300.	2750.
50	GLOBAL	Cartesian	21666.67	3300.	2750.
51	GLOBAL	Cartesian	23333.33	3300.	2750.
52	GLOBAL	Cartesian	26666.67	3300.	2750.
53	GLOBAL	Cartesian	28333.33	3300.	2750.
66	GLOBAL	Cartesian	8333.33	0.	2750.
67	GLOBAL	Cartesian	15000.	0.	2750.
68	GLOBAL	Cartesian	8333.33	3300.	2750.
69	GLOBAL	Cartesian	15000.	3300.	2750.
70	GLOBAL	Cartesian	1666.67	0.	333.33
71	GLOBAL	Cartesian	3333.33	0.	666.67
72	GLOBAL	Cartesian	6666.67	0.	1333.33
73	GLOBAL	Cartesian	8333.33	0.	1666.67
74	GLOBAL	Cartesian	11666.67	0.	2166.67
75	GLOBAL	Cartesian	13333.33	0.	2333.33
76	GLOBAL	Cartesian	16666.67	0.	2333.33
77	GLOBAL	Cartesian	18333.33	0.	2166.67
78	GLOBAL	Cartesian	21666.67	0.	1666.67
79	GLOBAL	Cartesian	23333.33	0.	1333.33
80	GLOBAL	Cartesian	26666.67	0.	666.67

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX mm	GlobalY mm	GlobalZ mm
81	GLOBAL	Cartesian	28333.33	0.	333.33
82	GLOBAL	Cartesian	1666.67	3300.	333.33
83	GLOBAL	Cartesian	3333.33	3300.	666.67
84	GLOBAL	Cartesian	6666.67	3300.	1333.33
85	GLOBAL	Cartesian	8333.33	3300.	1666.67
86	GLOBAL	Cartesian	11666.67	3300.	2166.67
87	GLOBAL	Cartesian	13333.33	3300.	2333.33
88	GLOBAL	Cartesian	16666.67	3300.	2333.33
89	GLOBAL	Cartesian	18333.33	3300.	2166.67
90	GLOBAL	Cartesian	21666.67	3300.	1666.67
91	GLOBAL	Cartesian	23333.33	3300.	1333.33
92	GLOBAL	Cartesian	26666.67	3300.	666.67
93	GLOBAL	Cartesian	28333.33	3300.	333.33

1.2. Kufizimet e Nyjeve

Table 2: Joint Restraint Assignments

Table 2: Joint Restraint Assignments

Joint	U1	U2	U3	R1	R2	R3
4	Yes	Yes	Yes	Yes	Yes	Yes
10	Yes	Yes	Yes	Yes	Yes	Yes
11	Yes	Yes	Yes	Yes	Yes	Yes
17	Yes	Yes	Yes	Yes	Yes	Yes
18	Yes	Yes	Yes	Yes	Yes	Yes
23	Yes	Yes	Yes	Yes	Yes	Yes
24	Yes	Yes	Yes	Yes	Yes	Yes
29	Yes	Yes	Yes	Yes	Yes	Yes

1.3. Lidhshmëria e elementeve

Table 3: Connectivity - Frame

Table 3: Connectivity - Frame

Frame	JointI	JointJ	Length mm
39	29	23	3300.
40	28	22	3300.
41	27	21	3300.
42	14	7	3300.
43	26	20	3300.
44	25	19	3300.
45	24	18	3300.
46	12	5	3300.
47	13	6	3300.
48	15	8	3300.
49	16	9	3300.

Table 3: Connectivity - Frame

Frame	JointI	JointJ	Length mm
50	18	30	1666.67
51	30	31	1666.67
52	31	19	1666.67
53	19	32	1666.67
54	32	66	1666.67
55	66	20	1666.67
56	20	34	1666.67
57	34	35	1666.67
58	35	67	1666.67
59	67	36	1666.67
60	36	37	1666.67
61	37	21	1666.67
62	21	38	1666.67
63	38	39	1666.67
64	39	22	1666.67
65	22	40	1666.67
66	40	41	1666.67
67	41	23	1666.67
68	24	42	1666.67
69	42	43	1666.67
70	43	25	1666.67
71	25	44	1666.67
73	68	26	1666.67
74	26	46	1666.67
75	46	47	1666.67
76	47	69	1666.67
77	69	48	1666.67
78	48	49	1666.67
79	49	27	1666.67
80	27	50	1666.67
81	50	51	1666.67
82	51	28	1666.67
83	28	52	1666.67
84	52	53	1666.67
85	53	29	1666.67
86	42	30	3300.
87	43	31	3300.
88	44	32	3300.
90	46	34	3300.
91	47	35	3300.
92	48	36	3300.
93	49	37	3300.
94	50	38	3300.
95	51	39	3300.
96	52	40	3300.
97	53	41	3300.
98	44	68	1666.67
99	68	66	3300.
100	5	19	1750.
101	6	20	750.
102	7	67	250.
103	8	21	750.
104	9	22	1750.
105	12	25	1750.

Table 3: Connectivity - Frame

Frame	JointI	JointJ	Length mm
106	13	26	750.
107	14	69	250.
108	15	27	750.
109	16	28	1750.
110	4	70	1699.67
111	70	71	1699.67
112	71	5	1699.67
113	5	72	1699.67
114	72	73	1699.67
115	73	6	1699.67
116	6	74	1674.98
117	74	75	1674.98
118	75	7	1674.98
119	7	76	1674.98
120	76	77	1674.98
121	77	8	1674.98
122	8	78	1699.67
123	78	79	1699.67
124	79	9	1699.67
125	9	80	1699.67
126	80	81	1699.67
127	81	10	1699.67
128	11	82	1699.67
129	82	83	1699.67
130	83	12	1699.67
131	12	84	1699.67
132	84	85	1699.67
133	85	13	1699.67
134	13	86	1674.98
135	86	87	1674.98
136	87	14	1674.98
137	14	88	1674.98
138	88	89	1674.98
139	89	15	1674.98
140	15	90	1699.67
141	90	91	1699.67
142	91	16	1699.67
143	16	92	1699.67
144	92	93	1699.67
145	93	17	1699.67
146	70	30	2416.67
147	71	31	2083.33
148	72	32	1416.67
149	73	66	1083.33
150	74	34	583.33
151	75	35	416.67
152	76	36	416.67
153	77	37	583.33
154	78	38	1083.33
155	79	39	1416.67
156	80	40	2083.33
157	81	41	2416.67
158	82	42	2416.67
159	83	43	2083.33

Table 3: Connectivity - Frame

Frame	JointI	JointJ	Length mm
160	84	44	1416.67
161	85	68	1083.33
162	86	46	583.33
163	87	47	416.67
164	88	48	416.67
165	89	49	583.33
166	90	50	1083.33
167	91	51	1416.67
168	92	52	2083.33
169	93	53	2416.67

Table 4: Seksionet e Modelit

Table 4: Frame Section Assignments

Frame	AnalSect	DesignSect	MatProp
39	TUBO180X180X 10	TUBO180X180X 10	Default
40	TUBO180X180X 10	TUBO180X180X 10	Default
41	TUBO180X180X 10	TUBO180X180X 10	Default
42	TUBO180X180X 10	TUBO180X180X 10	Default
43	TUBO180X180X 10	TUBO180X180X 10	Default
44	TUBO180X180X 10	TUBO180X180X 10	Default
45	TUBO180X180X 10	TUBO180X180X 10	Default
46	TUBO180X180X 10	TUBO180X180X 10	Default
47	TUBO180X180X 10	TUBO180X180X 10	Default
48	TUBO180X180X 10	TUBO180X180X 10	Default
49	TUBO180X180X 10	TUBO180X180X 10	Default
50	TUBO180X180X 10	TUBO180X180X 10	Default
51	TUBO180X180X 10	TUBO180X180X 10	Default
52	TUBO180X180X 10	TUBO180X180X 10	Default
53	TUBO180X180X 10	TUBO180X180X 10	Default
54	TUBO180X180X 10	TUBO180X180X 10	Default
55	TUBO180X180X 10	TUBO180X180X 10	Default
56	TUBO180X180X 10	TUBO180X180X 10	Default
57	TUBO180X180X 10	TUBO180X180X 10	Default
58	TUBO180X180X 10	TUBO180X180X 10	Default

Table 4: Frame Section Assignments

Frame	AnalSect	DesignSect	MatProp
59	TUBO180X180X 10	TUBO180X180X 10	Default
60	TUBO180X180X 10	TUBO180X180X 10	Default
61	TUBO180X180X 10	TUBO180X180X 10	Default
62	TUBO180X180X 10	TUBO180X180X 10	Default
63	TUBO180X180X 10	TUBO180X180X 10	Default
64	TUBO180X180X 10	TUBO180X180X 10	Default
65	TUBO180X180X 10	TUBO180X180X 10	Default
66	TUBO180X180X 10	TUBO180X180X 10	Default
67	TUBO180X180X 10	TUBO180X180X 10	Default
68	TUBO180X180X 10	TUBO180X180X 10	Default
69	TUBO180X180X 10	TUBO180X180X 10	Default
70	TUBO180X180X 10	TUBO180X180X 10	Default
71	TUBO180X180X 10	TUBO180X180X 10	Default
73	TUBO180X180X 10	TUBO180X180X 10	Default
74	TUBO180X180X 10	TUBO180X180X 10	Default
75	TUBO180X180X 10	TUBO180X180X 10	Default
76	TUBO180X180X 10	TUBO180X180X 10	Default
77	TUBO180X180X 10	TUBO180X180X 10	Default
78	TUBO180X180X 10	TUBO180X180X 10	Default
79	TUBO180X180X 10	TUBO180X180X 10	Default
80	TUBO180X180X 10	TUBO180X180X 10	Default
81	TUBO180X180X 10	TUBO180X180X 10	Default
82	TUBO180X180X 10	TUBO180X180X 10	Default
83	TUBO180X180X 10	TUBO180X180X 10	Default
84	TUBO180X180X 10	TUBO180X180X 10	Default
85	TUBO180X180X 10	TUBO180X180X 10	Default
86	TUBO180X180X 10	TUBO180X180X 10	Default
87	TUBO180X180X 10	TUBO180X180X 10	Default
88	TUBO180X180X 10	TUBO180X180X 10	Default
90	TUBO180X180X 10	TUBO180X180X 10	Default

Table 4: Frame Section Assignments

Frame	AnalSect	DesignSect	MatProp
91	TUBO180X180X 10	TUBO180X180X 10	Default
92	TUBO180X180X 10	TUBO180X180X 10	Default
93	TUBO180X180X 10	TUBO180X180X 10	Default
94	TUBO180X180X 10	TUBO180X180X 10	Default
95	TUBO180X180X 10	TUBO180X180X 10	Default
96	TUBO180X180X 10	TUBO180X180X 10	Default
97	TUBO180X180X 10	TUBO180X180X 10	Default
98	TUBO180X180X 10	TUBO180X180X 10	Default
99	TUBO180X180X 10	TUBO180X180X 10	Default
100	TUBO180X180X 10	TUBO180X180X 10	Default
101	TUBO180X180X 10	TUBO180X180X 10	Default
102	TUBO180X180X 10	TUBO180X180X 10	Default
103	TUBO180X180X 10	TUBO180X180X 10	Default
104	TUBO180X180X 10	TUBO180X180X 10	Default
105	TUBO180X180X 10	TUBO180X180X 10	Default
106	TUBO180X180X 10	TUBO180X180X 10	Default
107	TUBO180X180X 10	TUBO180X180X 10	Default
108	TUBO180X180X 10	TUBO180X180X 10	Default
109	TUBO180X180X 10	TUBO180X180X 10	Default
110	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
111	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
112	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
113	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
114	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
115	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
116	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
117	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
118	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
119	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
120	TUBO400X200X 14.2	TUBO400X200X 14.2	Default

Table 4: Frame Section Assignments

Frame	AnalSect	DesignSect	MatProp
121	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
122	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
123	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
124	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
125	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
126	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
127	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
128	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
129	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
130	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
131	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
132	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
133	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
134	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
135	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
136	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
137	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
138	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
139	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
140	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
141	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
142	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
143	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
144	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
145	TUBO400X200X 14.2	TUBO400X200X 14.2	Default
146	TUBO180X180X 10	TUBO180X180X 10	Default
147	TUBO180X180X 10	TUBO180X180X 10	Default
148	TUBO180X180X 10	TUBO180X180X 10	Default
149	TUBO180X180X 10	TUBO180X180X 10	Default
150	TUBO180X180X 10	TUBO180X180X 10	Default

Table 4: Frame Section Assignments

Frame	AnalSect	DesignSect	MatProp
151	TUBO180X180X 10	TUBO180X180X 10	Default
152	TUBO180X180X 10	TUBO180X180X 10	Default
153	TUBO180X180X 10	TUBO180X180X 10	Default
154	TUBO180X180X 10	TUBO180X180X 10	Default
155	TUBO180X180X 10	TUBO180X180X 10	Default
156	TUBO180X180X 10	TUBO180X180X 10	Default
157	TUBO180X180X 10	TUBO180X180X 10	Default
158	TUBO180X180X 10	TUBO180X180X 10	Default
159	TUBO180X180X 10	TUBO180X180X 10	Default
160	TUBO180X180X 10	TUBO180X180X 10	Default
161	TUBO180X180X 10	TUBO180X180X 10	Default
162	TUBO180X180X 10	TUBO180X180X 10	Default
163	TUBO180X180X 10	TUBO180X180X 10	Default
164	TUBO180X180X 10	TUBO180X180X 10	Default
165	TUBO180X180X 10	TUBO180X180X 10	Default
166	TUBO180X180X 10	TUBO180X180X 10	Default
167	TUBO180X180X 10	TUBO180X180X 10	Default
168	TUBO180X180X 10	TUBO180X180X 10	Default
169	TUBO180X180X 10	TUBO180X180X 10	Default

Table 5: Lidhshmëria - Zona

Table 5: Connectivity - Area

Area	Joint1	Joint2	Joint3	Joint4
1	18	19	25	24
2	19	20	26	25
3	20	67	69	26
4	67	21	27	69
5	21	22	28	27
6	22	23	29	28

Table 6: Siperfaqet e Seksionit

Table 6: Area Section Assignments

Area	Section	MatProp
1	ASEC1	Default
2	ASEC1	Default
3	ASEC1	Default
4	ASEC1	Default
5	ASEC1	Default
6	ASEC1	Default

2. Karakteristikat materiale

Ky seksion jep informacion për materialet e përdorura në model.

Table 7: Karakteristikat e materialeve- Karakteristikat mekanike

Table 7: Material Properties 02 - Basic Mechanical Properties

Material	UnitWeight Kg/mm3	UnitMass Kg-s2/mm4	E1 Kg/mm2	G12 Kg/mm2	U12	A1 1/C
4000Psi	2.4028E-06	2.4501E-10	2534.564	1056.068	0.2	9.9000E-06
A992Fy50	7.8490E-06	8.0038E-10	20389.019	7841.93	0.3	1.1700E-05

Table 8: Karakteristikat e materialeve- Hekuri

Table 8: Material Properties 03a - Steel Data

Material	Fy Kg/mm2	Fu Kg/mm2	FinalSlope
A992Fy50	35.153	45.7	-0.1

Table 9: Karakteristikat e materialeve - Betoni

Table 9: Material Properties 03b - Concrete Data

Material	Fc Kg/mm2	eFc Kg/mm2	FinalSlope
4000Psi	2.812	2.812	-0.1

3. Karakteristikat e Seksionit

Ky seksion ofron informacione për objektet e përdorura në model.

3.1. Struktues

Table 10: Karakteristikat e Seksionit të Struktues – Te pergjithshme, Pjesa 1 of 4

Table 10: Frame Section Properties 01 - General, Part 1 of 4

SectionName	Material	Shape	t3 mm	t2 mm	tf mm	tw mm	t2b mm	tfb mm
IPE400	A992Fy50	I/Wide Flange	400.	180.	13.5	8.6	180.	13.5
TUBO180X180X 10	A992Fy50	Box/Tube	180.	180.	10.	10.		
TUBO400X200X 14.2	A992Fy50	Box/Tube	400.	200.	14.2	14.2		

Table 10: Karakteristikat e Seksionit të Struktues – Te pergjithshme, Pjesa 2 of 4

Table 10: Frame Section Properties 01 - General, Part 2 of 4

SectionName	Area mm2	TorsConst mm4	I33 mm4	I22 mm4	I23 mm4	AS2 mm2	AS3 mm2
IPE400	8450.	513000.	231300000	131800000.	0.	3440.	4050.
TUBO180X180X 10	6800.	49130000.	328700000.	328700000.	0.	3600.	3600.
TUBO400X200X 14.2	16230.	255300000	332900000	110200000	0.	11360.	5680.

Table 10: Karakteristikat e Seksionit të Struktues – Te pergjithshme, Pjesa, Part 3 of 4

Table 10: Frame Section Properties 01 - General, Part 3 of 4

SectionName	S33 mm3	S22 mm3	Z33 mm3	Z22 mm3	R33 mm	R22 mm
IPE400	1156500.	146444.44	1307000.	229000.	165.447	39.494
TUBO180X180X 10	365222.22	365222.22	434000.	434000.	69.526	69.526
TUBO400X200X 14.2	1664500.	1102000.	2076000.	1264000.	143.218	82.401

Table 10: Karakteristikat e Seksionit të Struktues – Te pergjithshme, Pjesa, Part 4 of 4

Table 10: Frame Section Properties 01 - General, Part 4 of 4

SectionName	AMod	A2Mod	A3Mod	JMod	I2Mod	I3Mod	MMod	WMod
IPE400	1.	1.	1.	1.	1.	1.	1.	1.
TUBO180X180X 10	1.	1.	1.	1.	1.	1.	1.	1.
TUBO400X200X 14.2	1.	1.	1.	1.	1.	1.	1.	1.

3.2. Siperfaqet

Table 11: Karakteristikat e siperfaqeve te seksioneve, Pjesa 1 of 3

Table 11: Area Section Properties, Part 1 of 3

Section	Material	AreaType	Type	DrillDOF	Thickness mm	BendThick mm	F11Mod
ASEC1	A992Fy50	Shell	Shell-Thin	Yes	250.	250.	1.

Table 11: Karakteristikat e siperfaqeve te seksioneve, Pjesa 2 of 3

Table 11: Area Section Properties, Part 2 of 3

Section	F22Mod	F12Mod	M11Mod	M22Mod	M12Mod	V13Mod	V23Mod
ASEC1	1.	1.	1.	1.	1.	1.	1.

Table 11: Karakteristikat e siperfaqeve te seksioneve, Pjesa 3 of 3

Table 11: Area Section Properties, Part 3 of 3

Section	MMod	WMod
ASEC1	1.	1.

3.3. Materiale

Table 12: Karakteristikat e materialeve

Table 12: Solid Property Definitions

SolidProp	Material	MatAngleA Degrees	MatAngleB Degrees	MatAngleC Degrees
Solid1	4000Psi	0.	0.	0.

4. Ngarkesat

Ky seksion ofron informacione për ngarkimin siç aplikohet në model.

4.1. Përkufizimet

Table 13: Përkufizime të modelit të ngarkesës

Table 13: Load Pattern Definitions

LoadPat	DesignType	SelfWtMult	AutoLoad
DEAD	Dead	1.	
Live	Live	0.	

5. Rastet e ngarkesës

Ky seksion ofron informacione për çështjet e ngarkesës.

5.1. Përkufizimet

Table 14: Rastet e ngarkesës, Pjesa 1 of 2

Table 14: Load Case Definitions, Part 1 of 2

Case	Type	InitialCond	ModalCase	BaseCase	MassSource	DesActOpt
DEAD	LinStatic	Zero				Prog Det
MODAL	LinModal	Zero				Prog Det
Live	LinStatic	Zero				Prog Det
s-xx	LinRespSpec		MODAL			Prog Det
s-yy	LinRespSpec		MODAL			Prog Det

Table 14: Rastet e ngarkesës, Pjesa 2 of 2

Table 14: Load Case Definitions, Part 2 of 2

Case	DesignAct
DEAD	Non-Composite
MODAL	Other
Live	Short-Term Composite
s-xx	Short-Term Composite
s-yy	Short-Term Composite

5.2. Ngarkesa ststike

Table 15: Rasti - Statik 1 -

Table 15: Case - Static 1 - Load Assignments

Case	LoadType	LoadName	LoadSF
DEAD	Load pattern	DEAD	1.
Live	Load pattern	Live	1.

5.3. Vendosja e ngarkesës së spektrit të reagimit

Table 16: Rasti –Spektri I reagimit 1 - pjesa 1 of 2

Table 16: Case - Response Spectrum 1 - General, Part 1 of 2

Case	ModalCombo	GMCf1 Cyc/sec	GMCf2 Cyc/sec	PerRigid	DirCombo	MotionType	DampingType
s-xx	CQC	1.0000E+0 0	0.0000E+0 0	SRSS	SRSS	Acceleration	Constant
s-yy	CQC	1.0000E+0 0	0.0000E+0 0	SRSS	SRSS	Acceleration	Constant

Table 16: Rasti –Spektri I reagimit 1 - pjesa 2 of 2

Table 16: Case - Response
Spectrum 1 - General, Part 2 of
2

Case	ConstDamp
s-xx	0.05
s-yy	0.05

Table 17: Rasti –Spektri I reagimit 2

Table 17: Case - Response Spectrum 2 - Load Assignments

Case	LoadType	LoadName	CoordSys	Function	Angle Degrees	TransAccSF mm/sec2
s-xx	Acceleration	U1	GLOBAL	RS	0.	9810.
s-yy	Acceleration	U2	GLOBAL	RS	0.	9810.

Table 18: Funkzioni – Spektri I reagimit - EuroCode8 2004, Pjesa 1 of 3

Table 18: Function - Response Spectrum - EuroCode8 2004, Part 1 of 3

Name	Period Sec	Accel	FuncDamp	Country	Direction	Ag	SpecType
RS	0.	0.191667	0.05	CEN Default	Horizontal	0.25	1
RS	0.066667	0.207639					
RS	0.133333	0.223611					
RS	0.2	0.239583					
RS	0.6	0.239583					
RS	0.833333	0.1725					
RS	1.066667	0.134766					
RS	1.3	0.110577					
RS	1.533333	0.09375					
RS	1.766667	0.081368					
RS	2.	0.071875					
RS	2.444444	0.05					
RS	2.888889	0.05					
RS	3.333333	0.05					
RS	3.777778	0.05					
RS	4.222222	0.05					
RS	4.666667	0.05					
RS	5.111111	0.05					
RS	5.555556	0.05					
RS	6.	0.05					

Table 18: Function - Response Spectrum - EuroCode8 2004, Part 1 of 3

Name	Period Sec	Accel	FuncDamp	Country	Direction	Ag	SpecType
RS	6.444444	0.05					
RS	6.888889	0.05					
RS	7.333333	0.05					
RS	7.777778	0.05					
RS	8.222222	0.05					
RS	8.666667	0.05					
RS	9.111111	0.05					
RS	9.555556	0.05					
RS	10.	0.05					

Table 18: Funkzioni – Spektri I reagimit - EuroCode8 2004, Pjesa Part 2 of 3

Table 18: Function - Response Spectrum - EuroCode8 2004, Part 2 of 3

Name	Period Sec	GroundType	SoilFact	Tb Sec	Tc Sec	Td Sec	LBFact
RS	0.	C	1.15	0.2	0.6	2.	0.2
RS	0.066667						
RS	0.133333						
RS	0.2						
RS	0.6						
RS	0.833333						
RS	1.066667						
RS	1.3						
RS	1.533333						
RS	1.766667						
RS	2.						
RS	2.444444						
RS	2.888889						
RS	3.333333						
RS	3.777778						
RS	4.222222						
RS	4.666667						
RS	5.111111						
RS	5.555556						
RS	6.						
RS	6.444444						
RS	6.888889						
RS	7.333333						
RS	7.777778						
RS	8.222222						
RS	8.666667						
RS	9.111111						
RS	9.555556						
RS	10.						

Table 18: Funkzioni – Spektri I reagimit - EuroCode8 2004, Pjesa 3 of 3

**Table 18: Function - Response Spectrum -
EuroCode8 2004, Part 3 of 3**

Name	Period Sec	BehaveFact
RS	0.	3.
RS	0.066667	

Table 18: Function - Response Spectrum - EuroCode8 2004, Part 3 of 3

Name	Period Sec	BehaveFact
RS	0.133333	
RS	0.2	
RS	0.6	
RS	0.833333	
RS	1.066667	
RS	1.3	
RS	1.533333	
RS	1.766667	
RS	2.	
RS	2.444444	
RS	2.888889	
RS	3.333333	
RS	3.777778	
RS	4.222222	
RS	4.666667	
RS	5.111111	
RS	5.555556	
RS	6.	
RS	6.444444	
RS	6.888889	
RS	7.333333	
RS	7.777778	
RS	8.222222	
RS	8.666667	
RS	9.111111	
RS	9.555556	
RS	10.	

Table 19: Funkzioni – Spektri I reagimit

Table 19: Function - Response Spectrum - User

Name	Period Sec	Accel	FuncDamp
UNIFRS	0.	1.	0.05
UNIFRS	1.	1.	

6. Kombinimet e ngarkesave

Kjo pjesë ofron informacione për kombinimin e ngarkesës.

Table 20: Kombinimet

Table 20: Combination Definitions

ComboName	ComboType	CaseName	ScaleFactor
UDSTL1	Linear Add	DEAD	1.4
UDSTL2	Linear Add	DEAD	1.2
UDSTL2		Live	1.6
UDSTL3	Linear Add	DEAD	1.3

Table 20: Combination Definitions

ComboName	ComboType	CaseName	ScaleFactor
UDSTL3		Live	1.
UDSTL3		s-xx	1.
UDSTL4	Linear Add	DEAD	1.3
UDSTL4		Live	1.
UDSTL4		s-yy	1.
UDSTL5	Linear Add	DEAD	0.8
UDSTL5		s-xx	1.
UDSTL6	Linear Add	DEAD	0.8
UDSTL6		s-yy	1.
UDSTL7	Linear Add	DEAD	1.
UDSTL8	Linear Add	DEAD	1.
UDSTL8		Live	1.
DSTL1	Linear Add	DEAD	1.35
DSTL2	Linear Add	DEAD	1.35
DSTL2		Live	1.5
DSTL3	Linear Add	DEAD	1.
DSTL3		Live	0.3
DSTL3		s-xx	1.
DSTL4	Linear Add	DEAD	1.
DSTL4		Live	0.3
DSTL4		s-yy	1.
DSTL5	Linear Add	DEAD	1.
DSTL5		s-xx	1.
DSTL6	Linear Add	DEAD	1.
DSTL6		s-yy	1.
DSTL7	Linear Add	DEAD	1.
DSTL8	Linear Add	DEAD	1.
DSTL8		Live	1.

7. Rezultatet e Struktures

Ky seksion ofron rezultate të strukturës, përfshirë perioden e lekundjeve dhe reaksionet ne lidhje.

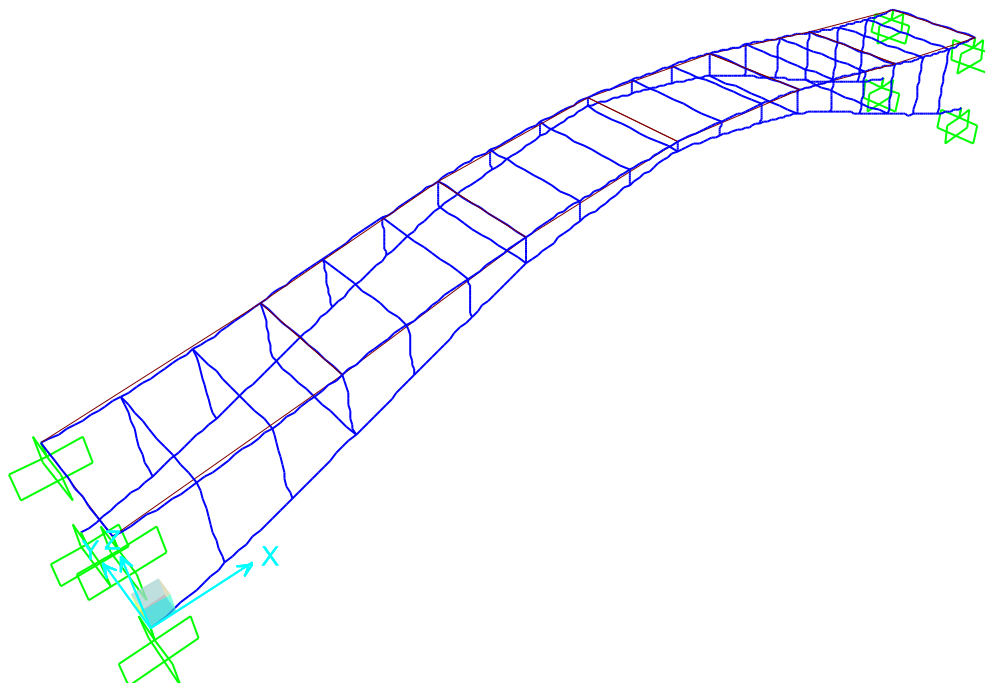


Figure 2: Forma e deformimit

7.1. Rezultatet modale

Table 22: Pjesmarrja modale

Table 22: Modal Participating Mass Ratios

OutputCase	StepNum	Period Sec	UX	UY	UZ	SumUX	SumUY	SumUZ
MODAL	1.	0.275192	0.	0.	0.85	0.	0.	0.85
MODAL	2.	0.198737	7.829E-05	0.	0.	7.829E-05	0.	0.85
MODAL	3.	0.177654	3.631E-20	1.141E-03	0.	7.829E-05	1.141E-03	0.85
MODAL	4.	0.114101	2.641E-16	6.510E-17	0.12	7.829E-05	1.141E-03	0.97
MODAL	5.	0.105475	3.907E-20	0.	0.	7.829E-05	1.141E-03	0.97
MODAL	6.	0.074983	2.578E-06	1.964E-16	6.269E-17	8.087E-05	1.141E-03	0.97
MODAL	7.	0.072561	6.848E-18	5.215E-04	1.829E-17	8.087E-05	1.662E-03	0.97
MODAL	8.	0.060212	1.480E-17	1.173E-18	2.256E-02	8.087E-05	1.662E-03	0.99
MODAL	9.	0.05681	7.523E-16	1.410E-15	1.498E-17	8.087E-05	1.662E-03	0.99
MODAL	10.	0.054554	1.225E-16	0.8	1.048E-18	8.087E-05	0.8	0.99
MODAL	11.	0.049538	1.657E-15	1.013E-03	1.123E-17	8.087E-05	0.8	0.99
MODAL	12.	0.042737	2.243E-14	1.173E-14	4.245E-17	8.087E-05	0.8	0.99

7.2. Reaksionet ne baze

Table 23: Reaksionet ne baze

Table 23: Base Reactions							
OutputCase	StepType	GlobalFX Kgf	GlobalFY Kgf	GlobalFZ Kgf	GlobalMX Kgf-mm	GlobalMY Kgf-mm	GlobalMZ Kgf-mm
DEAD		-4.002E-11	-1.819E-12	211542.79	349045598.	-	7.713E-07
Live		-2.547E-11	-2.274E-12	49500.	81675000.	3173141800.	2.074E-07
s-xx	Max	3.34	3.879E-04	2.182E-04	1.05	2361576.99	5513.93
s-yy	Max	9.809E-03	29136.68	3.737E-04	80465391.	10.57	437050170.

Table 25: Reaksionet ne nyjet e strukture,

**Table 25: Joint Reactions,
Part 2 of 2**

Joint	M3 Kgf-mm
4	16521.53
4	119.32
4	5.83
4	93686.55
10	-16521.53
10	-119.32
10	5.84
10	93687.16
11	-16521.53
11	-119.32
11	5.83
11	93687.06
17	16521.53
17	119.32
17	5.84
17	93687.28
18	-81639.15
18	-19046.73
18	28.99
18	5885648.59
23	81639.15
23	19046.73
23	28.99
23	5885649.25
24	81639.15
24	19046.73
24	28.99
24	5885648.55
29	-81639.15
29	-19046.73
29	28.99
29	5885649.3

12. Preferencat e modelimit

Kjo pjesë ofron preferencat e projektimit për secilin lloj të projektimit, të cilat zakonisht përfshijnë faktorët e zvogëlimit të materialit, llojin e inkuadrimin, kufirin e raportit të stresit, kufijtë e devijimit dhe sende të tjera specifike të kodit.

12.1. Projektimi I Hekurit

Table 30: Preferencat – Projektimi I Hekurit - Eurocode 3-2005,

Table 30: Preferences - Steel Design - Eurocode 3-2005, Part 1 of 3

FrameType	PatLLF	SRatioLimit	Country	CombosEq	RelClass	KFactorMethod
DCH-MRF	0.75	0.95	CEN Default	Eq. 6.10	Class 2	Method 2 (Annex B)

Table 30: Preferencat – Projektimi I Hekurit - Eurocode 3-2005,

Table 30: Preferences - Steel Design - Eurocode 3-2005, Part 2 of 3

PDelta	CTorsion	GammaM0	GammaM1	GammaM2	SeisCode	SeisLoad	PlugWeld	q
Yes	Yes	1.	1.	1.25	Yes	Yes	Yes	4.

Table 30: Preferencat – Projektimi I Hekurit - Eurocode 3-2005,

Table 30: Preferences - Steel Design - Eurocode 3-2005, Part 3 of 3

Omega	DLRat	SDLAndLLRat	LLRat	TotalRat	NetRat
1.	120.	120.	360.	240.	240.

12.2. Projektimi I Hekurit

Table 31: Preferencat – Projektimi I betonit - ACI 318-14,

Table 31: Preferences - Concrete Design - ACI 318-14, Part 1 of 2

THDesign	NumCurves	NumPoints	MinEccen	PatLLF	UFLimit	SeisCat	Rho	Sds
Envelopes	24	11	Yes	0.75	0.95	D	1.	0.5

Table 31: Preferencat – Projektimi I betonit - ACI 318-14

Table 31: Preferences - Concrete Design - ACI 318-14, Part 2 of 2

PhiT	PhiCTied	PhiCSpiral	PhiV	PhiVSeismi c	PhiVJoint
0.9	0.65	0.75	0.75	0.6	0.85

13. Permbledhje e modelimit

Ky seksion ofron përmbledhjen e projektimit për secilin lloj të projektimit, i cili nënvizon raportin kontrollues të kërkesës / kapacitetit dhe kombinimin dhe vendndodhjen e tij të shoqëruar në secilin element.

13.1. Hekuri

Table 35: Modelimi I Hekurit - Eurocode 3-2005,

Table 35: Steel Design 1 - Summary Data - Eurocode 3-2005, Part 1 of 2

Frame	Location mm	Combo	DesignSect	DesignType	Ratio	RatioType
39	3300.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
40	3300.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
41	3300.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
42	3300.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
43	3300.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
44	3300.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
45	3300.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
46	3300.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
47	3300.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
48	0.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
49	3300.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
50	0.	UDSTL3	TUBO180X180X 10	Beam	0.292201	Major Shear
51	0.	UDSTL3	TUBO180X180X 10	Beam	0.311416	Major Shear
52	0.	UDSTL3	TUBO180X180X 10	Beam	0.296765	Major Shear
53	0.	UDSTL3	TUBO180X180X 10	Beam	0.29601	Major Shear
54	0.	UDSTL3	TUBO180X180X 10	Beam	0.329762	Major Shear
55	0.	UDSTL3	TUBO180X180X 10	Beam	0.306017	Major Shear
56	0.	UDSTL3	TUBO180X180X 10	Beam	0.27972	Major Shear
57	0.	UDSTL3	TUBO180X180X 10	Beam	0.295447	Major Shear
58	0.	UDSTL3	TUBO180X180X 10	Beam	0.281994	Major Shear
59	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.281994	Major Shear
60	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.295447	Major Shear
61	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.27972	Major Shear
62	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.306017	Major Shear

Table 35: Steel Design 1 - Summary Data - Eurocode 3-2005, Part 1 of 2

Frame	Location mm	Combo	DesignSect	DesignType	Ratio	RatioType
63	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.329762	Major Shear
64	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.29601	Major Shear
65	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.296765	Major Shear
66	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.311416	Major Shear
67	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.292201	Major Shear
68	0.	UDSTL3	TUBO180X180X 10	Beam	0.292201	Major Shear
69	0.	UDSTL3	TUBO180X180X 10	Beam	0.311416	Major Shear
70	0.	UDSTL3	TUBO180X180X 10	Beam	0.296765	Major Shear
71	0.	UDSTL3	TUBO180X180X 10	Beam	0.29601	Major Shear
73	0.	UDSTL3	TUBO180X180X 10	Beam	0.306017	Major Shear
74	0.	UDSTL3	TUBO180X180X 10	Beam	0.27972	Major Shear
75	0.	UDSTL3	TUBO180X180X 10	Beam	0.295447	Major Shear
76	0.	UDSTL3	TUBO180X180X 10	Beam	0.281994	Major Shear
77	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.281994	Major Shear
78	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.295447	Major Shear
79	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.27972	Major Shear
80	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.306017	Major Shear
81	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.329762	Major Shear
82	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.29601	Major Shear
83	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.296765	Major Shear
84	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.311416	Major Shear
85	1666.67	UDSTL3	TUBO180X180X 10	Beam	0.292201	Major Shear
86	0.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
87	3300.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
88	0.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
90	0.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
91	0.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
92	3300.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
93	3300.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
94	0.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear

Table 35: Steel Design 1 - Summary Data - Eurocode 3-2005, Part 1 of 2

Frame	Location mm	Combo	DesignSect	DesignType	Ratio	RatioType
95	3300.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
96	3300.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
97	0.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
98	0.	UDSTL3	TUBO180X180X 10	Beam	0.329762	Major Shear
99	0.	UDSTL3	TUBO180X180X 10	Beam	0.135654	Major Shear
100	1750.	DSTL2	TUBO180X180X 10	Column	0.621916	PMM
101	750.	DSTL2	TUBO180X180X 10	Column	0.783199	PMM
102	0.	DSTL2	TUBO180X180X 10	Column	0.129657	PMM
103	750.	DSTL2	TUBO180X180X 10	Column	0.783199	PMM
104	1750.	DSTL2	TUBO180X180X 10	Column	0.621916	PMM
105	1750.	DSTL2	TUBO180X180X 10	Column	0.621916	PMM
106	750.	DSTL2	TUBO180X180X 10	Column	0.783199	PMM
107	0.	DSTL2	TUBO180X180X 10	Column	0.129657	PMM
108	750.	DSTL2	TUBO180X180X 10	Column	0.783199	PMM
109	1750.	DSTL2	TUBO180X180X 10	Column	0.621916	PMM
110	0.	DSTL2	TUBO400X200X 14.2	Brace	0.553365	PMM
111	0.	DSTL2	TUBO400X200X 14.2	Brace	0.485835	PMM
112	849.84	DSTL2	TUBO400X200X 14.2	Brace	0.449759	PMM
113	849.84	DSTL2	TUBO400X200X 14.2	Brace	0.429042	PMM
114	849.84	DSTL2	TUBO400X200X 14.2	Brace	0.405462	PMM
115	849.84	DSTL2	TUBO400X200X 14.2	Brace	0.394733	PMM
116	0.	DSTL2	TUBO400X200X 14.2	Brace	0.293111	PMM
117	837.49	DSTL2	TUBO400X200X 14.2	Brace	0.240895	PMM
118	837.49	DSTL2	TUBO400X200X 14.2	Brace	0.225561	PMM
119	837.49	DSTL2	TUBO400X200X 14.2	Brace	0.225561	PMM
120	837.49	DSTL2	TUBO400X200X 14.2	Brace	0.240895	PMM
121	1674.98	DSTL2	TUBO400X200X 14.2	Brace	0.293111	PMM
122	849.84	DSTL2	TUBO400X200X 14.2	Brace	0.394733	PMM
123	849.84	DSTL2	TUBO400X200X 14.2	Brace	0.405462	PMM
124	849.84	DSTL2	TUBO400X200X 14.2	Brace	0.429042	PMM

Table 35: Steel Design 1 - Summary Data - Eurocode 3-2005, Part 1 of 2

Frame	Location mm	Combo	DesignSect	DesignType	Ratio	RatioType
125	849.84	DSTL2	TUBO400X200X 14.2	Brace	0.449759	PMM
126	1699.67	DSTL2	TUBO400X200X 14.2	Brace	0.485835	PMM
127	1699.67	DSTL2	TUBO400X200X 14.2	Brace	0.553365	PMM
128	0.	DSTL2	TUBO400X200X 14.2	Brace	0.553365	PMM
129	0.	DSTL2	TUBO400X200X 14.2	Brace	0.485835	PMM
130	849.84	DSTL2	TUBO400X200X 14.2	Brace	0.449759	PMM
131	849.84	DSTL2	TUBO400X200X 14.2	Brace	0.429042	PMM
132	849.84	DSTL2	TUBO400X200X 14.2	Brace	0.405462	PMM
133	849.84	DSTL2	TUBO400X200X 14.2	Brace	0.394733	PMM
134	0.	DSTL2	TUBO400X200X 14.2	Brace	0.293111	PMM
135	837.49	DSTL2	TUBO400X200X 14.2	Brace	0.240895	PMM
136	837.49	DSTL2	TUBO400X200X 14.2	Brace	0.225561	PMM
137	837.49	DSTL2	TUBO400X200X 14.2	Brace	0.225561	PMM
138	837.49	DSTL2	TUBO400X200X 14.2	Brace	0.240895	PMM
139	1674.98	DSTL2	TUBO400X200X 14.2	Brace	0.293111	PMM
140	849.84	DSTL2	TUBO400X200X 14.2	Brace	0.394733	PMM
141	849.84	DSTL2	TUBO400X200X 14.2	Brace	0.405462	PMM
142	849.84	DSTL2	TUBO400X200X 14.2	Brace	0.429042	PMM
143	849.84	DSTL2	TUBO400X200X 14.2	Brace	0.449759	PMM
144	1699.67	DSTL2	TUBO400X200X 14.2	Brace	0.485835	PMM
145	1699.67	DSTL2	TUBO400X200X 14.2	Brace	0.553365	PMM
146	0.	DSTL2	TUBO180X180X 10	Column	0.263931	PMM
147	0.	DSTL2	TUBO180X180X 10	Column	0.414676	PMM
148	0.	DSTL2	TUBO180X180X 10	Column	0.541366	PMM
149	0.	DSTL2	TUBO180X180X 10	Column	0.598712	PMM
150	0.	DSTL2	TUBO180X180X 10	Column	0.398788	PMM
151	0.	DSTL2	TUBO180X180X 10	Column	0.254804	PMM
152	0.	DSTL2	TUBO180X180X 10	Column	0.254804	PMM
153	0.	DSTL2	TUBO180X180X 10	Column	0.398788	PMM
154	0.	DSTL2	TUBO180X180X 10	Column	0.598712	PMM

Table 35: Steel Design 1 - Summary Data - Eurocode 3-2005, Part 1 of 2

Frame	Location mm	Combo	DesignSect	DesignType	Ratio	RatioType
155	0.	DSTL2	TUBO180X180X 10	Column	0.541366	PMM
156	0.	DSTL2	TUBO180X180X 10	Column	0.414676	PMM
157	0.	DSTL2	TUBO180X180X 10	Column	0.263931	PMM
158	0.	DSTL2	TUBO180X180X 10	Column	0.263931	PMM
159	0.	DSTL2	TUBO180X180X 10	Column	0.414676	PMM
160	0.	DSTL2	TUBO180X180X 10	Column	0.541366	PMM
161	0.	DSTL2	TUBO180X180X 10	Column	0.598712	PMM
162	0.	DSTL2	TUBO180X180X 10	Column	0.398788	PMM
163	0.	DSTL2	TUBO180X180X 10	Column	0.254804	PMM
164	0.	DSTL2	TUBO180X180X 10	Column	0.254804	PMM
165	0.	DSTL2	TUBO180X180X 10	Column	0.398788	PMM
166	0.	DSTL2	TUBO180X180X 10	Column	0.598712	PMM
167	0.	DSTL2	TUBO180X180X 10	Column	0.541366	PMM
168	0.	DSTL2	TUBO180X180X 10	Column	0.414676	PMM
169	0.	DSTL2	TUBO180X180X 10	Column	0.263931	PMM