Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	57	192	3.29	0.000112
Base	57	192	1.88	6.404E-05
Base	57	192	17.21	0.0005852
Base	57	192	18.18	0.0006184
Base	57	192	14.48	0.0004924
Base	57	192	1.35	0
Base	57	192	11.09	0.0003772
Base	58	193	1.51	0.0001281
Base	58	193	13.54	0.001034
Base	58	193	2.71	0.0002067
Base	58	193	1.51	0.0001281
Base	58	193	15.04	0.001162
Base	58	193	4.21	0.0003349
Base	58	193	2.11	0.0001794
Base	58	193	23.46	0.001808
Base	58	193	24.82	0.001911
Base	58	193	19.67	0.001518
Base	58	193	1.51	0.0001281
Base	58	193	15.04	0.001162
Base	59	194	2.34	5.539E-05
Base	59	194	18.82	0.0004382
Base	59	194	3.76	8.763E-05
Base	59	194	2.34	5.539E-05
Base	59	194	21.16	0.0004935
Base	59	194	6.1	0.000143
Base	59	194	3.27	7.755E-05
Base	59	194	32.92	0.0007675
Base	59	194	34.8	0.0008113
Base	59	194	27.65	0.0006448
Base	59	194	2.34	5.539E-05
Base	59	194	21.16	0.0004935
Base	60	195	1.66	-0.0001277
Base	60	195	15.45	-0.001334
Base	60	195	3.09	-0.0002667
Base	60	195	1.66	-0.0001277
Base	60	195	17.11	-0.001461
Base	60	195	4.75	-0.0003944
Base	60	195	2.32	-0.0001788
Base	60	195	26.71	-0.002287
Base	60	195	28.26	-0.00242
Base	60	195	22.39	-0.001914
Base	60	195	1.66	-0.0001277
Base	60	195	17.11	-0.001461
Base	61	196	2.4	0.0006725
Base	61	196	18.5	0.01
Base	61	196	3.7	0.001207
Base	61	196	2.4	0.0006725
Base	61	196	20.9	0.01
Base	61	196	6.1	0.00188
Base	61	196	3.36	0.0009415
Base	61	196	32.49	0.01
Base	61	196	34.34	0.01
Base	61	196	27.3	0.01
Base	61	196	2.4	0.0006725
Base	61	196	20.9	0.01

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Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	62	197	1.5	0.0006667
Base	62	197	10.27	0.01
Base	62	197	2.05	0.00118
Base	62	197	1.5	0.0006667
Base	62	197	11.76	0.01
Base	62	197	3.55	0.001847
Base	62	197	2.09	0.0009333
Base	62	197	18.22	0.01
Base	62	197	19.25	0.01
Base	62	197	15.35	0.01
Base	62	197	1.5	0.0006667
Base	62	197	11.76	0.01
Base	63	198	0.82	0
Base	63	198	3.91	-0.0002176
Base	63	198	0.78	0
Base	63	198	0.82	0
Base	63	198	4.73	-0.0002635
Base	63	198	1.6	-8.94E-05
Base	63	198	1.15	-6.422E-05
Base	63	198	7.23	-0.0004033
Base	63	198	7.62	-0.000425
Base	63	198	6.14	-0.0003423
Base	63	198	0.82	0
Base	63	198	4.73	-0.0002635
Base	65	199	2.45	0
Base	65	199	17.64	0
Base	65	199	3.53	0
Base	65	199	2.45	0
Base	65	199	20.09	0
Base	65	199	5.98	0
Base	65	199	3.43	0
Base	65	199	31.16	6.234E-05
Base	65	199	32.92	6.585E-05
Base	65	199	26.22	5.251E-05
Base	65	199	2.45	0
Base	65	199	20.09	0
Base	66	200	2	-0.0004823
Base	66	200	16.61	-0.004038
Base	66	200	3.32	-0.0008075
Base	66	200	2	-0.0004823
Base	66	200	18.6	-0.00452
Base	66	200	5.32	-0.00129
Base	66	200	2.79	-0.0006752
Base	66	200	28.96	-0.01
Base	66	200	30.62	-0.01
Base	66	200	24.31	-0.01
Base	66	200	2	-0.0004823
Base	66	200	18.6	-0.00452
Base	67	226	5.23	0.000148
Base	67	226	40.17	0.001388
Base	67	226	8.03	0.0002776
Base	67	226	5.23	0.000148
Base	67	226	45.4	0.001536
Base	67	226	13.26	0.0004256
Base	67	226	7.32	0.0002072

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Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	67	226	70.55	0.002399
Base	67	226	74.56	0.002537
Base	67	226	59.3	0.00201
Base	67	226	5.23	0.000148
Base	67	226	45.4	0.001536
Base	70	225	4.21	-0.0002666
Base	70	225	32.82	-0.002329
Base	70	225	6.56	-0.0004657
Base	70	225	4.21	-0.0002666
Base	70	225	37.03	-0.002595
Base	70	225	10.77	-0.0007323
Base	70	225	5.89	-0.0003732
Base	70	225	57.56	-0.004046
Base	70	225	60.85	-0.004278
Base	70	225	48.38	-0.003394
Base	70	225	4.21	-0.0002666
Base	70	225	37.03	-0.002595
Base	71	212	0.81	0.0001066
Base	71	212	6.15	0.0009728
Base	71	212	1.23	0.0001946
Base	71	212	0.81	0.0001066
Base	71	212	6.96	0.001079
Base	71	212	2.04	0.0003011
Base	71	212	1.14	0.0001492
Base	71	212	10.82	0.001684
Base	71	212	11.43	0.001782
Base	71	212	9.09	0.001412
Base	71	212	0.81	0.0001066
Base	71	212	6.96	0.001079
Base	72	213	4.61	0.0003069
Base	72	213	34.88	0.001921
Base	72	213	6.98	0.0003841
Base	72	213	4.61	0.0003069
Base	72	213	39.49	0.002227
Base	72	213	11.59	0.000691
Base	72	213	6.45	0.0004297
Base	72	213	61.34	0.003441
Base	72	213	64.83	0.003633
Base	72	213	51.57	0.002903
Base	72	213	4.61	0.0003069
Base	72	213	39.49	0.002227
Base	73	214	2.8	-0.000225
Base	73	214	21.1	-0.001718
Base	73	214	4.22	-0.0003437
Base	73	214	2.8	-0.000225
Base	73	214	23.9	-0.001943
Base	73	214	7.02	-0.0005687
Base	73	214	3.92	-0.000315
Base	73	214	37.13	-0.00302
Base	73	214	39.24	-0.003191
Base	73	214	31.22	-0.002538
Base	73	214	2.8	-0.000225
Base	73	214	23.9	-0.001943
Base	74	211	3.12	-0.0001194
Base	74	211	23.18	-0.0007906

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Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	74	211	4.64	-0.0001581
Base	74	211	3.12	-0.0001194
Base	74	211	26.3	-0.0009099
Base	74	211	7.76	-0.0002775
Base	74	211	4.37	-0.0001671
Base	74	211	40.83	-0.001408
Base	74	211	43.15	-0.001487
Base	74	211	34.34	-0.001187
Base	74	211	3.12	-0.0001194
Base	74	211	26.3	-0.0009099
Base	75	219	3.83	0.0002005
Base	75	219	29.55	0.001716
Base	75	219	5.91	0.0003432
Base	75	219	3.83	0.0002005
Base	75	219	33.38	0.001916
Base	75	219	9.74	0.0005437
Base	75	219	5.36	0.0002807
Base	75	219	51.88	0.002986
Base	75	219	54.83	0.003158
Base	75	219	43.6	0.002506
Base	75	219	3.83	0.0002005
Base	75	219	33.38	0.001916
Base	76	218	4.35	-0.0001135
Base	76	218	33.35	-0.001054
Base	76	218	6.67	-0.0002108
Base	76	218	4.35	-0.0001135
Base	76	218	37.7	-0.001167
Base	76	218	11.02	-0.0003243
Base	76	218	6.09	-0.0001589
Base	76	218	58.59	-0.001823
Base	76	218	61.92	-0.001928
Base	76	218	49.25	-0.001527
Base	76	218	4.35	-0.0001135
Base	76	218	37.7	-0.001167
Base	77	215	3.83	0.0002895
Base	77	215	29.3	0.002252
Base	77	215	5.86	0.0004504
Base	77	215	3.83	0.0002895
Base	77	215	33.13	0.002542
Base	77	215	9.69	0.0007399
Base	77	215	5.36	0.0004052
Base	77	215	51.48	0.003951
Base	77	215	54.41	0.004176
Base	77	215	43.27	0.00332
Base	77	215	3.83	0.0002895
Base	77	215	33.13	0.002542
Base	78	216	5.06	0
Base	78	216	39.21	0.0001166
Base	78	216	7.84	0
Base	78	216	5.06	0
Base	78	216	44.27	0.0001388
Base	78	216	12.9	0
Base	78	216	7.08	0
Base	78	216	68.8	0.0002132
Base	78	216	72.72	0.0002249

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Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	78	216	57.82	0.0001806
Base	78	216	5.06	0
Base	78	216	44.27	0.0001388
Base	79	6	4.55	0.00046
Base	79	6	34.21	0.003551
Base	79	6	6.84	0.0007102
Base	79	6	4.55	0.00046
Base	79	6	38.76	0.004011
Base	79	6	11.39	0.00117
Base	79	6	6.37	0.000644
Base	79	6	60.19	0.01
Base	79	6	63.61	0.01
Base	79	6	50.61	0.01
Base	79	6	4.55	0.00046
Base	79	6	38.76	0.004011
Base	80	203	3.82	0.0001845
Base	80	203	30.33	0.001408
Base	80	203	6.07	0.0002816
Base	80	203	3.82	0.0001845
Base	80	203	34.15	0.001592
Base	80	203	9.89	0.0004661
Base	80	203	5.35	0.0002583
Base	80	203	53.11	0.002474
Base	80	203	56.14	0.002615
Base	80	203	44.62	0.00208
Base	80	203	3.82	0.0001845
Base	80	203	34.15	0.001592
Base	81	202	4.37	0.0004801
Base	81	202	34.98	0.003673
Base	81	202	7	0.0007347
Base	81	202	4.37	0.0004801
Base	81	202	39.34	0.004154
Base	81	202	11.36	0.001215
Base	81	202	6.11	0.0006722
Base	81	202	61.2	0.01
Base	81	202	64.7	0.01
Base	81	202	51.41	0.01
Base	81	202	4.37	0.0004801
Base	81	202	39.34	0.004154
Base	82	220	3.17	0
Base	82	220	23.99	-0.0002315
Base	82	220	4.8	0
Base	82	220	3.17	0
Base	82	220	27.17	-0.000266
Base	82	220	7.97	-8.078E-05
Base	82	220	4.44	0
Base	82	220	42.2	-0.0004117
Base	82	220	44.6	-0.0004349
Base	82	220	35.48	-0.0003469
Base	82	220	3.17	0
Base	82	220	27.17	-0.000266
Base	83	205	4.35	0.0001457
Base	83	205	33.85	0.001246
Base	83	205	6.77	0.0002492
Base	83	205	4.35	0.0001457

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Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	83	205	38.2	0.001391
Base	83	205	11.12	0.0003948
Base	83	205	6.09	0.000204
Base	83	205	59.38	0.002168
Base	83	205	62.77	0.002293
Base	83	205	49.9	0.001819
Base	83	205	4.35	0.0001457
Base	83	205	38.2	0.001391
Base	86	217	5.68	0.0003858
Base	86	217	43.38	0.003068
Base	86	217	8.68	0.0006137
Base	86	217	5.68	0.0003858
Base	86	217	49.06	0.003454
Base	86	217	14.35	0.0009994
Base	86	217	7.95	0.0005401
Base	86	217	76.22	0.01
Base	86	217	80.56	0.01
Base	86	217	64.07	0.004513
Base	86	217	5.68	0.0003858
Base	86	217	49.06	0.003454
Base	87	40	2.94	0.0002587
Base	87	40	22.02	0.001958
Base	87	40	4.4	0.0003915
Base	87	40	2.94	0.0002587
Base	87	40	24.97	0.002216
Base	87	40	7.35	0.0006502
Base	87	40	4.12	0.0003622
Base	87	40	38.77	0.003443
Base	87	40	40.97	0.003638
Base	87	40	32.6	0.002894
Base	87	40	2.94	0.0002587
Base	87	40	24.97	0.002216
Base	88	201	8.06	-5.674E-05
Base	88	201	63.05	-0.0007234
Base	88	201	12.61	-0.0001447
Base	88	201	8.06	-5.674E-05
Base	88	201	71.11	-0.0007801
Base	88	201	20.67	-0.0002014
Base	88	201	11.28	-7.944E-05
Base	88	201	110.55	-0.001226
Base	88	201	116.85	-0.001298
Base	88	201	92.89	-0.001023
Base	88	201	8.06	-5.674E-05
Base	88	201	71.11	-0.0007801
Base	90	221	3.74	0.0002665
Base	90	221	28.85	0.002068
Base	90	221	5.77	0.0004136
Base	90	221	3.74	0.0002665
Base	90	221	32.59	0.002334
Base	90	221	9.51	0.0006801
Base	90	221	5.24	0.0003731
Base	90	221	50.64	0.003629
Base	90	221	53.53	0.003835
Base	90	221	42.57	0.003049
Base	90	221	3.74	0.0002665

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Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	90	221	32.59	0.002334
Base	93	222	3.02	0.000139
Base	93	222	23.29	0.0009655
Base	93	222	4.66	0.0001931
Base	93	222	3.02	0.000139
Base	93	222	26.31	0.001105
Base	93	222	7.68	0.0003321
Base	93	222	4.23	0.0001947
Base	93	222	40.89	0.001712
Base	93	222	43.22	0.001808
Base	93	222	34.37	0.001441
Base	93	222	3.02	0.000139
Base	93	222	26.31	0.001105
Base	94	204	2.45	0.0008216
Base	94	204	19.31	0.01
Base	94	204	3.86	0.001283
Base	94	204	2.45	0.0008216
Base	94	204	21.75	0.01
Base	94	204	6.31	0.002105
Base	94	204	3.43	0.00115
Base	94	204	33.83	0.01
Base	94	204	35.76	0.01
Base	94	204	28.42	0.01
Base	94	204	2.45	0.0008216
Base	94	204	21.75	0.01
Base	95	223	4.38	0.0001555
Base	95	223	34.09	0.001152
Base	95	223	6.82	0.0002303
Base	95	223	4.38	0.0001555
Base	95	223	38.46	0.001307
Base	95	223	11.19	0.0003858
Base	95	223	6.13	0.0002177
Base	95	223	59.79	0.002029
Base	95	223	63.2	0.002145
Base	95	223	50.25	0.001707
Base	95	223	4.38	0.0001555
Base	95	223	38.46	0.001307
Base	96	224	2.83	0.0001863
Base	96	224	21.6	0.001416
Base	96	224	4.32	0.0002832
Base	96	224	2.83	0.0001863
Base	96	224	24.42	0.001602
Base	96	224	7.15	0.0004695
Base	96	224	3.96	0.0002609
Base	96	224	37.95	0.002489
Base	96	224	40.11	0.002631
Base	96	224	31.9	0.002093
Base	96	224	2.83	0.0001863
Base	96	224	24.42	0.001602
Base	97	207	2.21	0.0002271
Base	97	207	17.51	0.001584
Base	97	207	3.5	0.0003169
Base	97	207	2.21	0.0002271
Base	97	207	19.72	0.001811
Base	97	207	5.71	0.000544

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Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	97	207	3.09	0.000318
Base	97	207	30.66	0.002807
Base	97	207	32.41	0.002966
Base	97	207	25.76	0.002364
Base	97	207	2.21	0.0002271
Base	97	207	19.72	0.001811
Base	98	230	2.51	7.443E-05
Base	98	230	18.9	0.0005399
Base	98	230	3.78	0.000108
Base	98	230	2.51	7.443E-05
Base	98	230	21.41	0.0006144
Base	98	230	6.29	0.0001824
Base	98	230	3.51	0.0001042
Base	98	230	33.25	0.0009532
Base	98	230	35.14	0.001007
Base	98	230	27.96	0.000802
Base	98	230	2.51	7.443E-05
Base	98	230	21.41	0.0006144
Base	99	231	1.87	0.0001547
Base	99	231	14.98	0.001188
Base	99	231	3	0.0002375
Base	99	231	1.87	0.0001547
Base	99	231	16.85	0.001342
Base	99	231	4.86	0.0003922
Base	99	231	2.61	0.0002166
Base	99	231	26.21	0.002086
Base	99	231	27.71	0.002204
Base	99	231	22.01	0.001753
Base	99	231	1.87	0.0001547
Base	99	231	16.85	0.001342
Base	100	247	1.86	8.878E-05
Base	100	247	14.81	0.000624
Base	100	247	2.96	0.0001248
Base	100	247	1.86	8.878E-05
Base	100	247	16.67	0.0007128
Base	100	247	4.82	0.0002136
Base	100	247	2.6	0.0001243
Base	100	247	25.93	0.001105
Base	100	247	27.41	0.001167
Base	100	247	21.78	0.0009302
Base	100	247	1.86	8.878E-05
Base	100	247	16.67	0.0007128
Base	101	253	1.89	0.0001054
Base	101	253	15.21	0.000892
Base	101	253	3.04	0.0001784
Base	101	253	1.89	0.0001054
Base	101	253	17.11	0.0009973
Base	101	253	4.93	0.0002838
Base	101	253	2.65	0.0001475
Base	101	253	26.61	0.001554
Base	101	253	28.13	0.001643
Base	101	253	22.35	0.001304
Base	101	253	1.89	0.0001054
Base	101	253	17.11	0.0009973
Base	102	255	2.34	0

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Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	102	255	18.44	-0.0001691
Base	102	255	3.69	0
Base	102	255	2.34	0
Base	102	255	20.77	-0.0002002
Base	102	255	6.03	-6.493E-05
Base	102	255	3.27	0
Base	102	255	32.3	-0.0003079
Base	102	255	34.15	-0.0003249
Base	102	255	27.14	-0.0002606
Base	102	255	2.34	0
Base	102	255	20.77	-0.0002002
Base	103	258	1.84	6.91E-05
Base	103	258	14.36	0.0005641
Base	103	258	2.87	0.0001128
Base	103	258	1.84	6.91E-05
Base	103	258	16.21	0.0006332
Base	103	258	4.71	0.0001819
Base	103	258	2.58	9.675E-05
Base	103	258	25.19	0.0009856
Base	103	258	26.63	0.001042
Base	103	258	21.17	0.0008276
Base	103	258	1.84	6.91E-05
Base	103	258	16.21	0.0006332
Base	104	264	1.99	6.989E-05
Base	104	264	14.1	0.0004656
Base	104	264	2.82	9.311E-05
Base	104	264	1.99	6.989E-05
Base	104	264	16.09	0.0005355
Base	104	264	4.81	0.000163
Base	104	264	2.79	9.785E-05
Base	104	264	24.94	0.0008288
Base	104	264	26.35	0.0008753
Base	104	264	21	0.0006984
Base	104	264	1.99	6.989E-05
Base	104	264	16.09	0.0005355
Base	105	273	1.09	0.0001674
Base	105	273	8.72	0.001318
Base	105	273	1.74	0.0002636
Base	105	273	1.09	0.0001674
Base	105	273	9.81	0.001486
Base	105	273	2.83	0.000431
Base	105	273	1.52	0.0002343
Base	105	273	15.26	0.00231
Base	105	273	16.14	0.002442
Base	105	273	12.82	0.001941
Base	105	273	1.09	0.0001674
Base	105	273	9.81	0.001486
Base	107	282	-1	0.0001025
Base	107	282	-8.24	0.0006817
Base	107	282	-1.65	0.0001363
Base	107	282	-1	0.0001025
Base	107	282	-9.24	0.0007842
Base	107	282	-2.64	0.0002389
Base	107	282	-1.39	0.0001436
Base	107	282	-14.39	0.001214

Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	107	282	-15.21	0.001282
Base	107	282	-12.08	0.001023
Base	107	282	-1	0.0001025
Base	107	282	-9.24	0.0007842
Base	108	246	3.11	0
Base	108	246	24.18	0
Base	108	246	4.84	0
Base	108	246	3.11	0
Base	108	246	27.29	0
Base	108	246	7.95	0
Base	108	246	4.36	0
Base	108	246	42.42	0
Base	108	246	44.84	0
Base	108	246	35.65	0
Base	108	246	3.11	0
Base	108	246	27.29	0
Base	109	252	3	0
Base	109	252	22.75	-0.0001382
Base	109	252	4.55	0
Base	109	252	3	0
Base	109	252	25.74	-0.000153
Base	109	252	7.54	0
Base	109	252	4.19	0
Base	109	252	39.99	-0.0002389
Base	109	252	42.26	-0.0002527
Base	109	252	33.62	-0.0002002
Base	109	252	3	0
Base	109	252	25.74	-0.000153
Base	110	254	2.53	0.0002158
Base	110	254	18.45	0.001661
Base	110	254	3.69	0.0003322
Base	110	254	2.53	0.0002158
Base	110	254	20.98	0.001877
Base	110	254	6.22	0.0005481
Base	110	254	3.54	0.0003021
Base	110	254	32.56	0.002917
Base	110	254	34.4	0.003083
Base	110	254	27.39	0.002452
Base	110	254	2.53	0.0002158
Base	110	254	20.98	0.001877
Base	111	257	2.9	-6.436E-05
Base	111	257	22.08	-0.0002645
Base	111	257	4.42	-5.291E-05
Base	111	257	2.9	-6.436E-05
Base	111	257	24.98	-0.0003289
Base	111	257	7.32	-0.0001173
Base	111	257	4.06	-9.01E-05
Base	111	257	38.81	-0.0005005
Base	111	257	41.02	-0.0005269
Base	111	257	32.63	-0.0004264
Base	111	257	2.9	-6.436E-05
Base	111	257	24.98	-0.0003289
Base	112	263	3.49	0.0001403
Base	112	263	24.55	0.001335
Base	112	263	4.91	0.000267

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Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	112	263	3.49	0.0001403
Base	112	263	28.03	0.001475
Base	112	263	8.4	0.0004073
Base	112	263	4.88	0.0001964
Base	112	263	43.46	0.002304
Base	112	263	45.92	0.002438
Base	112	263	36.59	0.00193
Base	112	263	3.49	0.0001403
Base	112	263	28.03	0.001475
Base	113	265	2.43	0.0002472
Base	113	265	16.32	0.001504
Base	113	265	3.26	0.0003008
Base	113	265	2.43	0.0002472
Base	113	265	18.75	0.001751
Base	113	265	5.7	0.000548
Base	113	265	3.41	0.0003461
Base	113	265	29.03	0.002703
Base	113	265	30.66	0.002853
Base	113	265	24.46	0.002282
Base	113	265	2.43	0.0002472
Base	113	265	18.75	0.001751
Base	116	239	4.76	-0.000111
Base	116	239	36.72	-0.001044
Base	116	239	7.34	-0.0002088
Base	116	239	4.76	-0.000111
Base	116	239	41.49	-0.001155
Base	116	239	12.11	-0.0003198
Base	116	239	6.67	-0.0001554
Base	116	239	64.48	-0.001804
Base	116	239	68.15	-0.001908
Base	116	239	54.19	-0.001511
Base	116	239	4.76	-0.000111
Base	116	239	41.49	-0.001155
Base	117	248	2.18	0.0001991
Base	117	248	16.25	0.001572
Base	117	248	3.25	0.0003143
Base	117	248	2.18	0.0001991
Base	117	248	18.43	0.001771
Base	117	248	5.43	0.0005134
Base	117	248	3.05	0.0002787
Base	117	248	28.61	0.002754
Base	117	248	30.24	0.002911
Base	117	248	24.06	0.002314
Base	117	248	2.18	0.0001991
Base	117	248	18.43	0.001771
Base	118	249	2.53	0
Base	118	249	19.48	0
Base	118	249	3.9	0
Base	118	249	2.53	0
Base	118	249	22.01	0
Base	118	249	6.43	0
Base	118	249	3.54	0
Base	118	249	34.2	0
Base	118	249	36.15	0
Base	118	249	28.75	0

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Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	118	249	2.53	0
Base	118	249	22.01	0
Base	119	250	0.78	0.0002124
Base	119	250	5.62	0.001616
Base	119	250	1.12	0.0003232
Base	119	250	0.78	0.0002124
Base	119	250	6.39	0.001829
Base	119	250	1.9	0.0005357
Base	119	250	1.09	0.0002974
Base	119	250	9.92	0.002841
Base	119	250	10.48	0.003002
Base	119	250	8.35	0.002388
Base	119	250	0.78	0.0002124
Base	119	250	6.39	0.001829
Base	120	251	2.42	0.0001722
Base	120	251	19.1	0.00135
Base	120	251	3.82	0.0002701
Base	120	251	2.42	0.0001722
Base	120	251	21.52	0.001523
Base	120	251	6.24	0.0004423
Base	120	251	3.39	0.0002411
Base	120	251	33.46	0.002367
Base	120	251	35.37	0.002502
Base	120	251	28.11	0.001989
Base	120	251	2.42	0.0001722
Base	120	251	21.52	0.001523
Base	121	206	2.95	8.712E-05
Base	121	206	22.25	0.0005232
Base	121	206	4.45	0.0001046
Base	121	206	2.95	8.712E-05
Base	121	206	25.2	0.0006103
Base	121	206	7.4	0.0001918
Base	121	206	4.12	0.000122
Base	121	206	39.14	0.0009417
Base	121	206	41.37	0.000994
Base	121	206	32.91	0.0007952
Base	121	206	2.95	8.712E-05
Base	121	206	25.2	0.0006103
Base	123	261	1.09	0
Base	123	261	7.9	0
Base	123	261	1.58	0
Base	123	261	1.09	0
Base	123	261	8.99	0
Base	123	261	2.67	0
Base	123	261	1.53	0
Base	123	261	13.95	0
Base	123	261	14.74	0
Base	123	261	11.73	0
Base	123	261	1.09	0
Base	123	261	8.99	0
Base	124	227	3.31	0.0001572
Base	124	227	25.5	0.001227
Base	124	227	5.1	0.0002454
Base	124	227	3.31	0.0001572
Base	124	227	28.81	0.001384

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Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	124	227	8.41	0.0004026
Base	124	227	4.64	0.00022
Base	124	227	44.78	0.002152
Base	124	227	47.33	0.002274
Base	124	227	37.64	0.001808
Base	124	227	3.31	0.0001572
Base	124	227	28.81	0.001384
Base	125	260	1.91	0.0002234
Base	125	260	14.53	0.00164
Base	125	260	2.91	0.000328
Base	125	260	1.91	0.0002234
Base	125	260	16.45	0.001863
Base	125	260	4.82	0.0005513
Base	125	260	2.68	0.0003127
Base	125	260	25.55	0.002892
Base	125	260	27	0.003056
Base	125	260	21.48	0.002433
Base	125	260	1.91	0.0002234
Base	125	260	16.45	0.001863
Base	126	271	1.37	0
Base	126	271	10.73	0.000233
Base	126	271	2.15	0
Base	126	271	1.37	0
Base	126	271	12.1	0.0002703
Base	126	271	3.52	8.39E-05
Base	126	271	1.92	5.223E-05
Base	126	271	18.82	0.0004175
Base	126	271	19.89	0.0004408
Base	126	271	15.81	0.0003523
Base	126	271	1.37	0
Base	126	271	12.1	0.0002703
Base	127	229	2.79	0.0001535
Base	127	229	21.73	0.001132
Base	127	229	4.35	0.0002263
Base	127	229	2.79	0.0001535
Base	127	229	24.53	0.001285
Base	127	229	7.14	0.0003798
Base	127	229	3.91	0.0002149
Base	127	229	38.12	0.001995
Base	127	229	40.3	0.002108
Base	127	229	32.04	0.001678
Base	127	229	2.79	0.0001535
Base	127	229	24.53	0.001285
Base	128	259	0.29	-0.0001482
Base	128	259	0.09	-0.0009729
Base	128	259	0.02	-0.0001946
Base	128	259	0.29	-0.0001482
Base	128	259	0.38	-0.001121
Base	128	259	0.31	-0.0003428
Base	128	259	0.41	-0.0002075
Base	128	259	0.49	-0.001734
Base	128	259	0.5	-0.001832
Base	128	259	0.47	-0.001462
Base	128	259	0.29	-0.0001482
Base	128	259	0.38	-0.001121

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Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	129	232	3.69	0.0001696
Base	129	232	28.82	0.00127
Base	129	232	5.76	0.0002539
Base	129	232	3.69	0.0001696
Base	129	232	32.51	0.001439
Base	129	232	9.45	0.0004235
Base	129	232	5.16	0.0002374
Base	129	232	50.54	0.002235
Base	129	232	53.42	0.002362
Base	129	232	42.47	0.001879
Base	129	232	3.69	0.0001696
Base	129	232	32.51	0.001439
Base	130	228	3.67	0.0001454
Base	130	228	28.82	0.001121
Base	130	228	5.76	0.0002241
Base	130	228	3.67	0.0001454
Base	130	228	32.5	0.001266
Base	130	228	9.44	0.0003695
Base	130	228	5.14	0.0002036
Base	130	228	50.52	0.001967
Base	130	228	53.41	0.002079
Base	130	228	42.45	0.001654
Base	130	228	3.67	0.0001454
Base	130	228	32.5	0.001266
Base	131	256	2.53	-6.513E-05
Base	131	256	18.81	-0.0003208
Base	131	256	3.76	-6.416E-05
Base	131	256	2.53	-6.513E-05
Base	131	256	21.34	-0.0003859
Base	131	256	6.29	-0.0001293
Base	131	256	3.54	-9.118E-05
Base	131	256	33.14	-0.0005914
Base	131	256	35.02	-0.0006235
Base	131	256	27.87	-0.0005016
Base	131	256	2.53	-6.513E-05
Base	131	256	21.34	-0.0003859
Base	132	272	1.31	0.0001153
Base	132	272	7.44	0.0007777
Base	132	272	1.49	0.0001555
Base	132	272	1.31	0.0001153
Base	132	272	8.74	0.0008931
Base	132	272	2.79	0.0002709
Base	132	272	1.83	0.0001615
Base	132	272	13.46	0.001383
Base	132	272	14.21	0.001461
Base	132	272	11.38	0.001165
Base	132	272	1.31	0.0001153
Base	132	272	8.74	0.0008931
Base	133	277	0.81	0.000123
Base	133	277	6.04	0.0006974
Base	133	277	1.21	0.0001395
Base	133	277	0.81	0.000123
Base	133	277	6.85	0.0008204
Base	133	277	2.02	0.0002625
Base	133	277	1.14	0.0001722

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Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	133	277	10.64	0.001263
Base	133	277	11.24	0.001333
Base	133	277	8.95	0.001068
Base	133	277	0.81	0.000123
Base	133	277	6.85	0.0008204
Base	135	275	0.95	5.991E-05
Base	135	275	7.78	0.0001835
Base	135	275	1.56	0
Base	135	275	0.95	5.991E-05
Base	135	275	8.73	0.0002434
Base	135	275	2.51	9.661E-05
Base	135	275	1.33	8.388E-05
Base	135	275	13.59	0.0003654
Base	135	275	14.37	0.0003838
Base	135	275	11.41	0.0003141
Base	135	275	0.95	5.991E-05
Base	135	275	8.73	0.0002434
Base	136	274	1.03	0.0001096
Base	136	274	7.97	0.0006232
Base	136	274	1.59	0.0001246
Base	136	274	1.03	0.0001096
Base	136	274	9	0.0007329
Base	136	274	2.62	0.0002343
Base	136	274	1.44	0.0001535
Base	136	274	13.98	0.001129
Base	136	274	14.78	0.001191
Base	136	274	11.75	0.0009542
Base	136	274	1.03	0.0001096
Base	136	274	9	0.0007329
Base	137	270	1.91	0.0002151
Base	137	270	13.1	0.00146
Base	137	270	2.62	0.0002921
Base	137	270	1.91	0.0002151
Base	137	270	15.01	0.001676
Base	137	270	4.53	0.0005072
Base	137	270	2.67	0.0003012
Base	137	270	23.25	0.002595
Base	137	270	24.57	0.002741
Base	137	270	19.59	0.002186
Base	137	270	1.91	0.0002151
Base	137	270	15.01	0.001676
Base	138	269	-1.02	0.0003817
Base	138	269	-5.52	0.002804
Base	138	269	-1.1	0.0005607
Base	138	269	-1.02	0.0003817
Base	138	269	-6.54	0.003185
Base	138	269	-2.13	0.0009424
Base	138	269	-1.43	0.0005344
Base	138	269	-10.06	0.004944
Base	138	269	-10.62	0.01
Base	138	269	-8.52	0.004159
Base	138	269	-1.02	0.0003817
Base	138	269	-6.54	0.003185
Base	139	279	0.18	-9.352E-05
Base	139	279	0.8	-0.0006591

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Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	139	279	0.16	-0.0001318
Base	139	279	0.18	-9.352E-05
Base	139	279	0.98	-0.0007527
Base	139	279	0.34	-0.0002253
Base	139	279	0.25	-0.0001309
Base	139	279	1.5	-0.001167
Base	139	279	1.58	-0.001233
Base	139	279	1.27	-0.0009823
Base	139	279	0.18	-9.352E-05
Base	139	279	0.98	-0.0007527
Base	140	278	-0.11	0.0002488
Base	140	278	0.78	0.001574
Base	140	278	0.16	0.0003148
Base	140	278	-0.11	0.0002488
Base	140	278	0.67	0.001823
Base	140	278	0.05	0.0005635
Base	140	278	-0.15	0.0003483
Base	140	278	1.12	0.002817
Base	140	278	1.2	0.002974
Base	140	278	0.9	0.002376
Base	140	278	-0.11	0.0002488
Base	140	278	0.67	0.001823
Base	141	276	0.85	0.0001093
Base	141	276	6.34	0.000829
Base	141	276	1.27	0.0001658
Base	141	276	0.85	0.0001093
Base	141	276	7.19	0.0009383
Base	141	276	2.12	0.0002751
Base	141	276	1.19	0.0001531
Base	141	276	11.17	0.001458
Base	141	276	11.8	0.00154
Base	141	276	9.39	0.001225
Base	141	276	0.85	0.0001093
Base	141	276	7.19	0.0009383
Base	142	281	-0.78	0.0001032
Base	142	281	-4.96	0.0009644
Base	142	281	-0.99	0.0001929
Base	142	281	-0.78	0.0001032
Base	142	281	-5.74	0.001068
Base	142	281	-1.78	0.0002961
Base	142	281	-1.1	0.0001445
Base	142	281	-8.88	0.001667
Base	142	281	-9.37	0.001763
Base	142	281	-7.49	0.001397
Base	142	281	-0.78	0.0001032
Base	142	281	-5.74	0.001068
Base	143	234	0.73	5.38E-05
Base	143	234	1.94	0.0002665
Base	143	234	0.39	5.33E-05
Base	143	234	0.73	5.38E-05
Base	143	234	2.67	0.0003203
Base	143	234	1.12	0.0001071
Base	143	234	1.02	7.532E-05
Base	143	234	3.98	0.000491
Base	143	234	4.17	0.0005176

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Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	143	234	3.43	0.0004163
Base	143	234	0.73	5.38E-05
Base	143	234	2.67	0.0003203
Base	144	233	0.94	0.0001426
Base	144	233	5.21	0.001094
Base	144	233	1.04	0.0002187
Base	144	233	0.94	0.0001426
Base	144	233	6.15	0.001236
Base	144	233	1.98	0.0003614
Base	144	233	1.32	0.0001997
Base	144	233	9.46	0.001921
Base	144	233	9.98	0.00203
Base	144	233	8	0.001615
Base	144	233	0.94	0.0001426
Base	144	233	6.15	0.001236
Base	146	280	1.05	0.0003069
Base	146	280	9.33	0.002014
Base	146	280	1.87	0.0004029
Base	146	280	1.05	0.0003069
Base	146	280	10.38	0.002321
Base	146	280	2.92	0.0007098
Base	146	280	1.47	0.0004296
Base	146	280	16.18	0.003591
Base	146	280	17.12	0.003793
Base	146	280	13.57	0.003027
Base	146	280	1.05	0.0003069
Base	146	280	10.38	0.002321
Base	148	267	-0.22	5.623E-05
Base	148	267	-0.12	0.0004418
Base	148	267	-0.02	8.836E-05
Base	148	267	-0.22	5.623E-05
Base	148	267	-0.34	0.000498
Base	148	267	-0.24	0.0001446
Base	148	267	-0.31	7.872E-05
Base	148	267	-0.46	0.0007743
Base	148	267	-0.47	0.0008185
Base	148	267	-0.42	0.0006506
Base	148	267	-0.22	5.623E-05
Base	148	267	-0.34	0.000498
Base	149	245	-0.83	0.0002883
Base	149	245	-6.31	0.002092
Base	149	245	-1.26	0.0004184
Base	149	245	-0.83	0.0002883
Base	149	245	-7.14	0.00238
Base	149	245	-2.09	0.0007066
Base	149	245	-1.16	0.0004036
Base	149	245	-11.1	0.003693
Base	149	245	-11.73	0.003902
Base	149	245	-9.33	0.003107
Base	149	245	-0.83	0.0002883
Base	149	245	-7.14	0.00238
Base	150	241	-1.29	-7.274E-05
Base	150	241	-7.87	-0.000484
Base	150	241	-1.57	-9.679E-05
Base	150	241	-1.29	-7.274E-05

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Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	150	241	-9.16	-0.0005567
Base	150	241	-2.87	-0.0001695
Base	150	241	-1.81	-0.0001018
Base	150	241	-14.13	-0.0008616
Base	150	241	-14.92	-0.00091
Base	150	241	-11.93	-0.0007261
Base	150	241	-1.29	-7.274E-05
Base	150	241	-9.16	-0.0005567
Base	151	266	0.02	5.487E-05
Base	151	266	-2.82	0.0003828
Base	151	266	-0.56	7.656E-05
Base	151	266	0.02	5.487E-05
Base	151	266	-2.8	0.0004377
Base	151	266	-0.55	0.0001314
Base	151	266	0.03	7.682E-05
Base	151	266	-4.49	0.0006783
Base	151	266	-4.77	0.0007166
Base	151	266	-3.7	0.0005712
Base	151	266	0.02	5.487E-05
Base	151	266	-2.8	0.0004377
Base	152	240	-2.61	0
Base	152	240	-16.4	0.0003096
Base	152	240	-3.28	6.192E-05
Base	152	240	-2.61	0
Base	152	240	-19.01	0.0003168
Base	152	240	-5.89	6.911E-05
Base	152	240	-3.65	0
Base	152	240	-29.37	0.000504
Base	152	240	-31.02	0.0005349
Base	152	240	-24.78	0.0004173
Base	152	240	-2.61	0
Base	152	240	-19.01	0.0003168
Base	153	244	-1.97	0
Base	153	244	-11.13	0.0001034
Base	153	244	-2.23	0
Base	153	244	-1.97	0
Base	153	244	-13.1	9.971E-05
Base	153	244	-4.2	0
Base	153	244	-2.76	0
Base	153	244	-20.18	0.000161
Base	153	244	-21.29	0.0001714
Base	153	244	-17.06	0.0001321
Base	153	244	-1.97	0
Base	153	244	-13.1	9.971E-05
Base	155	242	-1.82	0
Base	155	242	-11.76	-0.0003946
Base	155	242	-2.35	-7.893E-05
Base	155	242	-1.82	0
Base	155	242	-13.58	-0.0004047
Base	155	242	-4.17	-8.895E-05
Base	155	242	-2.55	0
Base	155	242	-21	-0.0006435
Base	155	242	-22.18	-0.0006829
Base	155	242	-17.71	-0.000533
Base	155	242	-1.82	0

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Story	Label	Unique Name	MY kgf-m	MZ kgf-m
Base	155	242	-13.58	-0.0004047
Base	156	243	-1.84	-8.94E-05
Base	156	243	-10.34	-0.0003391
Base	156	243	-2.07	-6.782E-05
Base	156	243	-1.84	-8.94E-05
Base	156	243	-12.18	-0.0004285
Base	156	243	-3.91	-0.0001572
Base	156	243	-2.57	-0.0001252
Base	156	243	-18.75	-0.0006498
Base	156	243	-19.78	-0.0006837
Base	156	243	-15.85	-0.0005549
Base	156	243	-1.84	-8.94E-05
Base	156	243	-12.18	-0.0004285

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6 Design Data

This chapter provides design data and results.

6.1 Steel Frame Design

Table 6.1 - Steel Frame Design Summary - AISC 360-16 (Part 1 of 2)

UniqueName	Story	Label	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio	M Major Ratio	M Minor Ratio
277	Story1	C1	Column	IPE180	No Message	Comb6(C)	0.018	0.005	0.012	0.001
278	Story1	C2	Column	IPE180	No Message	Comb6(C)	0.014	0.006	0.007	0.001
279	Story1	C3	Column	IPE180	No Message	Comb6(C)	0.031	0.007	0.024	0.0003259
280	Story1	C4	Column	IPE180	No Message	Comb6(C)	0.026	0.011	0.008	0.007
281	Story1	C5	Column	IPE180	No Message	Comb6(C)	0.031	0.005	0.012	0.014
282	Story1	C6	Column	IPE180	No Message	Comb6(C)	0.323	0.015	0.063	0.245
283	Story1	C7	Column	IPE180	No Message	Comb6(C)	0.04	0.009	0.021	0.009
284	Story1	C8	Column	IPE180	No Message	Comb6(C)	0.037	0.007	0.018	0.011
285	Story1	C9	Column	IPE180	No Message	Comb6(C)	0.021	0.002	0.013	0.006
286	Story1	C10	Column	IPE180	No Message	Comb6(C)	0.054	0.012	0.021	0.021
287	Story1	C11	Column	IPE180	No Message	Comb6(C)	0.059	0.014	0.03	0.015
288	Story1	C12	Column	IPE180	No Message	Comb6(C)	0.044	0.011	0.031	0.002
289	Story1	C13	Column	IPE180	No Message	Comb6(C)	0.196	0.055	0.124	0.017
290	Story1	C14	Column	IPE180	No Message	Comb6(C)	0.063	0.02	0.041	0.001
291	Story1	C15	Column	IPE180	No Message	Comb6(C)	0.065	0.015	0.033	0.017
292	Story1	C16	Column	IPE180	No Message	Comb6(C)	0.062	0.011	0.03	0.022
293	Story1	C17	Column	IPE180	No Message	Comb6(C)	0.152	0.053	0.086	0.013
294	Story1	C18	Column	IPE180	No Message	Comb6(C)	0.08	0.054	0.025	0.001
295	Story1	C19	Column	IPE180	No Message	Comb6(C)	0.074	0.051	0.022	0.001
296	Story1	C20	Column	IPE180	No Message	Comb6(C)	0.063	0.033	0.028	0.002
297	Story1	C21	Column	IPE180	No Message	Comb6(C)	0.035	0.012	0.013	0.009
298	Story1	C22	Column	IPE180	No Message	Comb6(C)	0.038	0.004	0.023	0.011
299	Story1	C23	Column	IPE180	No Message	Comb6(C)	0.046	0.01	0.021	0.015
300	Story1	C24	Column	IPE180	No Message	Comb6(C)	0.041	0.014	0.0004551	0.027
301	Story1	C25	Column	IPE180	No Message	Comb6(C)	0.242	0.042	0.165	0.035
302	Story1	C26	Column	IPE180	No Message	Comb6(C)	0.058	0.028	0.027	0.003
304	Story1	C27	Column	IPE180	No Message	Comb6(C)	0.083	0.017	0.011	0.056
306	Story1	C29	Column	IPE180	No Message	Comb6(C)	0.037	0.006	0.028	0.004
307	Story1	C30	Column	IPE180	No Message	Comb6(C)	0.036	0.006	0.028	0.002
308	Story1	C31	Column	IPE180	No Message	Comb6(C)	0.039	0.007	0.029	0.004
309	Story1	C32	Column	IPE180	No Message	Comb6(C)	0.033	0.005	0.025	0.003
1	Story1	C28	Column	IPE180	No Message	Comb6(C)	0.021	0.006	0.012	0.004
2	Story1	C33	Column	IPE180	No Message	Comb6(C)	0.092	0.026	0.009	0.057
3	Story1	C34	Column	IPE180	No Message	Comb6(C)	0.027	0.013	0.002	0.012
4	Story1	C35	Column	IPE180	No Message	Comb6(C)	0.03	0.015	0.002	0.013
5	Story1	C36	Column	IPE180	No Message	Comb6(C)	0.023	0.008	0.004	0.011
6	Story1	C37	Column	IPE180	No Message	Comb6(C)	0.033	0.015	0.007	0.01
7	Story1	C38	Column	IPE180	No Message	Comb6(C)	0.011	0.003	0.008	0
8	Story1	C39	Column	IPE180	No Message	Comb6(C)	0.018	0.001	0.007	0.009
9	Story1	C40	Column	IPE180	No Message	Comb6(C)	0.024	0.006	0.003	0.015
10	Story1	C41	Column	IPE180	No Message	Comb6(C)	0.013	0.006	0.001	0.006
11	Story1	C42	Column	IPE180	No Message	Comb6(C)	0.022	0.007	0.008	0.007
12	Story1	C43	Column	IPE180	No Message	Comb6(C)	0.052	0.012	0.011	0.029
13	Story1	C44	Column	IPE180	No Message	(T)	0.07	0.008	0.021	0.041
14	Story1	C45	Column	IPE180	No Message	Comb6(C)	0.036	0.008	0.012	0.016
15	Story1	C46	Column	IPE180	No Message	Comb6(C)	0.044	0.01	0.017	0.017
16	Story1	C47	Column	IPE180	No Message	Comb6(C)	0.061	0.015	0.023	0.023
18	Story1	C49	Column	IPE180	No Message	Comb6(C)	0.021	0.007	0.012	0.001
19	Story1	C50	Column	IPE180	No Message	Comb6(C)	0.065	0.041	0.022	0.003

UniqueName	Story	Label	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio	M Major Ratio	M Minor Ratio
20	Story1	C51	Column	IPE180	No Message	Comb6(C)	0.058	0.03	0.026	0.002
21	Story1	C52	Column	IPE180	No Message	Comb6(C)	0.022	0.009	0.003	0.01
22	Story1	C53	Column	IPE180	No Message	Comb6(C)	0.016	0.004	0.009	0.003
23	Story1	C54	Column	IPE180	No Message	Comb6(C)	0.064	0.018	0.046	0.001
24	Story1	C55	Column	IPE180	No Message	Comb6(C)	0.042	0.026	0.016	0.0004165
25	Story1	C56	Column	IPE180	No Message	Comb6(C)	0.066	0.056	0.007	0.002
26	Story1	C57	Column	IPE180	No Message	Comb6(C)	0.068	0.056	0.01	0.001
27	Story1	C58	Column	IPE180	No Message	Comb6(C)	0.071	0.056	0.014	0.001
28	Story1	C59	Column	IPE180	No Message	Comb6(C)	0.091	0.051	0.023	0.017
29	Story1	C60	Column	IPE180	No Message	Comb6(C)	0.068	0.056	0.012	0.0003301
30	Story1	C61	Column	IPE180	No Message	Comb6(C)	0.06	0.035	0.022	0.003
31	Story1	C62	Column	IPE180	No Message	Comb6(C)	0.048	0.038	0.008	0.001
32	Story1	C63	Column	IPE180	No Message	Comb6(C)	0.049	0.038	0.01	0.0001948
33	Story1	C64	Column	IPE180	No Message	Comb6(C)	0.081	0.029	0.029	0.023
34	Story1	C65	Column	IPE180	No Message	Comb6(C)	0.02	0.004	0.012	0.005
35	Story1	C66	Column	IPE180	No Message	Comb6(C)	0.022	0.008	0.008	0.006
36	Story1	C67	Column	IPE180	No Message	Comb6(C)	0.071	0.024	0.033	0.014
37	Story1	C68	Column	IPE180	No Message	Comb6(C)	0.049	0.03	0.015	0.004
17	Story1	C48	Column	IPE180	No Message	Comb6(C)	0.052	0.023	0.023	0.006
38	Story1	C69	Column	IPE180	No Message	Comb6(C)	0.046	0.038	0.008	0.0002749
39	Story1	C70	Column	IPE180	No Message	Comb6(C)	0.048	0.038	0.009	0.001
40	Story1	C71	Column	IPE180	No Message	Comb6(C)	0.015	0.001	0.01	0.003
41	Story1	C72	Column	IPE180	No Message	Comb6(C)	0.049	0.025	0.024	0
42	Story1	C73	Column	IPE180	No Message	Comb6(C)	0.015	0.008	0.004	0.004
43	Story1	C74	Column	IPE180	No Message	Comb6(C)	0.024	0.007	0.009	0.007
44	Story1	C75	Column	IPE180	No Message	Comb6(C)	0.017	0.006	0.01	0.001
58	Story1	C76	Column	IPE180	No Message	Comb6(C)	0.023	0.009	0.009	0.005
59	Story1	C77	Column	IPE180	No Message	Comb6(C)	0.027	0.009	0.015	0.003
47	Story1	C78	Column	IPE180	No Message	Comb6(C)	0.018	0.009	0.002	0.006
48	Story1	C79	Column	IPE180	No Message	Comb6(C)	0.04	0.011	0.004	0.026
49	Story1	C80	Column	IPE180	No Message	Comb6(C)	0.009	0.008	0.001	0.001
50	Story1	C81	Column	IPE180	No Message	Comb6(C)	0.039	0.013	0.008	0.018
51	Story1	C82	Column	IPE180	No Message	Comb6(C)	0.075	0.037	0.034	0.004
60	Story1	C83	Column	IPE180	No Message	Comb6(C)	0.062	0.056	0.006	0.0003732
61	Story1	C84	Column	IPE180	No Message	Comb6(C)	0.063	0.056	0.007	0.001
62	Story1	C85	Column	IPE180	No Message	Comb6(C)	0.07	0.035	0.035	0.001
63	Story1	C86	Column	IPE180	No Message	Comb6(C)	0.024	0.008	0.01	0.006
64	Story1	C87	Column	IPE180	No Message	Comb6(C)	0.022	0.011	0.008	0.002
65	Story1	C88	Column	IPE180	No Message	Comb6(C)	0.031	0.009	0.011	0.012
66	Story1	C89	Column	IPE180	No Message	Comb6(C)	0.023	0.012	0.007	0.004
67	Story1	C90	Column	IPE180	No Message	Comb6(C)	0.019	0.008	0.006	0.004
160	Story1	C91	Column	IPE180	No Message	Comb6(C)	0.012	0.004	0.007	0.0001591
161	Story1	C92	Column	IPE180	No Message	Comb6(C)	0.03	0.014	0.01	0.006
162	Story1	C93	Column	IPE180	No Message	Comb6(C)	0.023	0.009	0.013	0.001
163	Story1	C94	Column	IPE180	No Message	Comb6(C)	0.087	0.022	0.027	0.038
164	Story1	C95	Column	IPE180	No Message	Comb6(C)	0.044	0.038	0.005	0.001
165	Story1	C96	Column	IPE180	No Message	Comb6(C)	0.05	0.044	0.006	0
166	Story1	C97	Column	IPE180	No Message	Comb6(C)	0.074	0.031	0.028	0.014
167	Story1	C98	Column	IPE180	No Message	Comb6(C)	0.024	0.012	0.009	0.002
168	Story1	C99	Column	IPE180	No Message	Comb6(C)	0.03	0.011	0.015	0.004
169	Story1	C100	Column	IPE180	No Message	Comb6(C)	0.025	0.009	0.009	0.007
176	Story1	C101	Column	IPE180	No Message	Comb6(C)	0.02	0.009	0.011	0
172	Story1	C103	Column	IPE180	No Message	Comb6(C)	0.078	0.01	0.052	0.016
173	Story1	C104	Column	IPE180	No Message	Comb6(C)	0.027	0.01	0.012	0.006
174	Story1	C105	Column	IPE180	No Message	Comb6(C)	0.041	0.016	0.006	0.019

UniqueName	Story	Label	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio	M Major Ratio	M Minor Ratio
175	Story1	C106	Column	IPE180	No Message	Comb6(C)	0.031	0.017	0.003	0.01
177	Story1	C107	Column	IPE180	No Message	Comb6(C)	0.02	0.011	0.005	0.005
178	Story1	C108	Column	IPE180	No Message	Comb6(C)	0.031	0.016	0.005	0.01
179	Story1	C109	Column	IPE180	No Message	Comb6(C)	0.024	0.014	0.001	0.009
180	Story1	C110	Column	IPE180	No Message	Comb6(C)	0.019	0.008	0.001	0.01
181	Story1	C111	Column	IPE180	No Message	Comb6(C)	0.007	0.006	0.0002538	0.002
182	Story1	C112	Column	IPE180	No Message	Comb6(C)	0.007	0.004	0.0003811	0.003
183	Story1	C113	Column	IPE180	No Message	Comb6(C)	0.07	0.028	0.042	0.0001221
184	Story1	C114	Column	IPE180	No Message	Comb6(C)	0.073	0.048	0.022	0.003
185	Story1	C115	Column	IPE180	No Message	Comb6(C)	0.067	0.018	0.015	0.034
45	Story1	C102	Column	IPE180	No Message	Comb6(C)	0.014	0.008	0.002	0.004
46	Story1	C116	Column	IPE180	No Message	Comb6(C)	0.01	0.006	0.001	0.003
52	Story1	C117	Column	IPE180	No Message	Comb6(C)	0.06	0.017	0.012	0.032
53	Story1	C118	Column	IPE180	No Message	Comb6(C)	0.038	0.02	0.006	0.013
54	Story1	C119	Column	IPE180	No Message	Comb6(C)	0.032	0.012	0.02	0
55	Story1	C120	Column	IPE180	No Message	Comb6(C)	0.032	0.012	0.02	0.001
56	Story1	C121	Column	IPE180	No Message	Comb6(C)	0.027	0.016	0.01	0.001
57	Story1	C122	Column	IPE180	No Message	Comb6(C)	0.014	0.005	0.004	0.004
170	Story1	C123	Column	IPE180	No Message	Comb6(C)	0.011	0.007	0.001	0.002
171	Story1	C124	Column	IPE180	No Message	Comb6(C)	0.041	0.024	0.011	0.007
429	Story1	C125	Column	IPE180	No Message	Comb6(C)	0.059	0.022	0.021	0.015
80	Story1	C126	Column	IPE180	No Message	Comb6(C)	0.093	0.049	0.033	0.01
81	Story1	C127	Column	IPE180	No Message	Comb6(C)	0.196	0.042	0.122	0.032
68	Story1	B1	Beam	IPE180	No Message	Comb6(C)	0.071	0	0.071	0
69	Story1	B2	Beam	IPE180	No Message	Comb6(C)	0.022	0.001	0.021	0
6A	Story1	B3	Beam	IPE180	No Message	Comb4(C)	0.002	0	0.002	0
6A	Story1	B3	Beam	IPE180	No Message	Comb4(T)	0.002	0	0.001	0
6B	Story1	B4	Beam	IPE180	No Message	Comb6(C)	0.064	0	0.064	0
6E	Story1	B7	Beam	IPE180	No Message	Comb6(C)	0.01	0.0001718	0.01	0
6F	Story1	B8	Beam	IPE180	No Message	(T)	0.014	0.0004711	0.014	0
70	Story1	B9	Beam	IPE180	No Message	(T)	0.002	0.001	0.001	0
71	Story1	B10	Beam	IPE180	No Message	(T)	0.003	0.001	0.002	0
72	Story1	B11	Beam	IPE180	No Message	(T)	0.006	0.0003206	0.006	0
73	Story1	B12	Beam	IPE180	No Message	Comb6(C)	0.017	0	0.017	0
74	Story1	B13	Beam	IPE180	No Message	(T)	0.014	0.000122	0.014	0
75	Story1	B14	Beam	IPE180	No Message	(T)	0.084	0	0.084	0.0001581
76	Story1	B15	Beam	IPE160	No Message	Comb6(C)	0.0004154	0.0004154	0	0
77	Story1	B16	Beam	IPE180	No Message	(T)	0.095	0.0004979	0.095	0.0001361
78	Story1	B17	Beam	IPE180	No Message	(T)	0.021	0.001	0.02	0.0003973
79	Story1	B18	Beam	IPE180	No Message	Comb6(C)	0.024	0.0003106	0.024	0
7A	Story1	B19	Beam	IPE180	No Message	Comb6(C)	0.02	0.0001595	0.02	0
7B	Story1	B20	Beam	IPE180	No Message	(T)	0.025	0.0001431	0.025	0
7C	Story1	B21	Beam	IPE180	No Message	(T)	0.093	0.0004554	0.086	0.006
7D	Story1	B22	Beam	IPE180	No Message	(T)	0.002	0.002	0.0003648	0
7E	Story1	B23	Beam	IPE180	No Message	Comb6(C)	0.029	0.002	0.027	0
7F	Story1	B24	Beam	IPE180	No Message	Comb6(C)	0.012	0.001	0.011	0.0004344
691	Story1	B25	Beam	IPE180	No Message	Comb6(C)	0.042	0.007	0.035	0
693	Story1	B26	Beam	IPE180	No Message	Comb6(C)	0.086	0.002	0.084	0.001
82	Story1	B27	Beam	IPE180	No Message	Comb6(C)	0.102	0.0001592	0.102	0.001
82	Story1	B27	Beam	IPE180	No Message	Comb6(T)	0.103	0.001	0.102	0
83	Story1	B28	Beam	IPE180	No Message	(T)	0.057	0.001	0.054	0.002
84	Story1	B29	Beam	IPE180	No Message	(T)	0.016	0.002	0.014	0
85	Story1	B30	Beam	IPE180	No Message	(T)	0.022	0.001	0.021	0
86	Story1	B31	Beam	IPE180	No Message	Comb6(C)	0.483	0	0.483	0
87	Story1	B32	Beam	IPE180	No Message	Comb6(C)	0.327	0.001	0.326	0.0001283

UniqueName	Story	Label	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio	M Major Ratio	M Minor Ratio
88	Story1	B33	Beam	IPE160	No Message	Comb6(C)	0.003	0.0001666	0.003	0
89	Story1	B34	Beam	IPE160	No Message	(T)	0.009	0	0.009	0
8A	Story1	B35	Beam	IPE160	No Message	(T)	0.009	0	0.009	0
8B	Story1	B36	Beam	IPE160	No Message	(T)	0.007	0.000378	0.007	0
8C	Story1	B37	Beam	IPE160	No Message	Comb6(C)	0.022	0.001	0.021	0.001
8D	Story1	B38	Beam	IPE180	No Message	Comb6(C)	0.196	0	0.196	0
8E	Story1	B39	Beam	IPE180	No Message	Comb6(C)	0.395	0	0.395	0
8F	Story1	B40	Beam	IPE160	No Message	(T)	0.524	0	0.524	0.0003253
90	Story1	B41	Beam	IPE160	No Message	(T)	0.525	0.0002617	0.524	0.001
91	Story1	B42	Beam	IPE180	No Message	Comb5(C)	0.265	0	0.265	0
93	Story1	B44	Beam	IPE180	No Message	(T)	0.5	0.001	0.499	0.0001168
94	Story1	B45	Beam	IPE160	No Message	Comb6(C)	0.0004525	0.0004525	0	0
95	Story1	B46	Beam	IPE180	No Message	Comb6(C)	0.42	0	0.42	0
96	Story1	B47	Beam	IPE160	No Message	Comb6(C)	0.39	0.001	0.389	0
97	Story1	B48	Beam	IPE160	No Message	Comb6(C)	0.39	0.001	0.389	0.0001792
98	Story1	B49	Beam	IPE180	No Message	Comb5(C)	0.182	0	0.182	0
99	Story1	B50	Beam	IPE180	No Message	(T)	0.703	0.002	0.702	0
9A	Story1	B51	Beam	IPE160	No Message	Comb6(C)	0.009	0.009	0	0
9B	Story1	B52	Beam	IPE160	No Message	Comb6(C)	0.001	0.001	0.001	0
9C	Story1	B53	Beam	IPE160	No Message	(T)	0.007	0	0.007	0
9D	Story1	B54	Beam	IPE180	No Message	Comb5(C)	0.335	0	0.335	0
9E	Story1	B55	Beam	IPE160	No Message	Comb6(C)	0.015	0.007	0.008	0
9F	Story1	B56	Beam	IPE180	No Message	(T)	0.517	0.002	0.515	0
A0	Story1	B57	Beam	IPE160	No Message	Comb4(C)	0.009	0	0.009	0
A1	Story1	B58	Beam	IPE180	No Message	(T)	0.375	0.002	0.372	0.001
A2	Story1	B59	Beam	IPE160	No Message	Comb6(C)	0.001	0.0002322	0.001	0
A3	Story1	B60	Beam	IPE180	No Message	(T)	0.376	0.003	0.372	0.000184
A4	Story1	B61	Beam	IPE160	No Message	Comb6(C)	0.001	0.001	0.001	0
A5	Story1	B62	Beam	IPE180	No Message	(T)	0.078	0.001	0.077	0
A6	Story1	B63	Beam	IPE160	No Message	Comb6(C)	0.009	0.001	0.007	0
A7	Story1	B64	Beam	IPE180	No Message	(T)	0.568	0.002	0.566	0
A8	Story1	B65	Beam	IPE180	No Message	Comb6(C)	0.302	0	0.302	0
A9	Story1	B66	Beam	IPE180	No Message	(T)	0.053	0.002	0.051	0
AA	Story1	B67	Beam	IPE180	No Message	(T)	0.041	0.0003704	0.041	0
AB	Story1	B68	Beam	IPE180	No Message	(T)	0.002	0.002	0.0004991	0
AC	Story1	B69	Beam	IPE180	No Message	Comb6(C)	0.078	0	0.078	0
AD	Story1	B70	Beam	IPE180	No Message	Comb4(C)	0.008	0	0.008	0
AD	Story1	B70	Beam	IPE180	No Message	Comb4(T)	0.05	0.0001546	0.05	0.0001125
AE	Story1	B71	Beam	IPE180	No Message	(T)	0.017	0.001	0.016	0
AF	Story1	B72	Beam	IPE180	No Message	(T)	0.078	0.001	0.077	0.0002721
B0	Story1	B73	Beam	IPE180	No Message	Comb6(C)	0.015	0.0001373	0.015	0.0001426
B0	Story1	B73	Beam	IPE180	No Message	Comb6(T)	0.077	0	0.077	0.0001946
B1	Story1	B74	Beam	IPE180	No Message	Comb6(C)	0.04	0	0.039	0.0004101
B2	Story1	B75	Beam	IPE180	No Message	Comb6(C)	0.101	0	0.101	0
B2	Story1	B75	Beam	IPE180	No Message	Comb6(T)	0.013	0	0.013	0
B3	Story1	B76	Beam	IPE180	No Message	Comb6(C)	0.08	0	0.08	0
B4	Story1	B77	Beam	IPE180	No Message	Comb6(C)	0.024	0	0.024	0
B5	Story1	B78	Beam	IPE180	No Message	Comb6(C)	0.098	0	0.098	0
B6	Story1	B79	Beam	IPE180	No Message	Comb6(C)	0.012	0.0001761	0.012	0
B6	Story1	B79	Beam	IPE180	No Message	Comb6(T)	0.012	0	0.012	0.0004231
B7	Story1	B80	Beam	IPE180	No Message	Comb6(C)	0.002	0.0002523	0.002	0
B8	Story1	B81	Beam	IPE180	No Message	Comb6(C)	0.009	0.000378	0.008	0
B9	Story1	B82	Beam	IPE180	No Message	Comb6(C)	0.05	0	0.05	0
BA	Story1	B83	Beam	IPE180	No Message	Comb6(C)	0.037	0.001	0.036	0.0003629
BB	Story1	B84	Beam	IPE180	No Message	Comb6(C)	0.038	0.002	0.036	0.001

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UniqueName	Story	Label	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio	M Major Ratio	M Minor Ratio
BC	Story1	B85	Beam	IPE180	No Message	Comb6(C)	0.051	0	0.051	0
BD	Story1	B86	Beam	IPE180	No Message	Comb6(C)	0.061	0.0004596	0.061	0
BE	Story1	B87	Beam	IPE180	No Message	Comb6(C)	0.006	0.001	0.005	0
BF	Story1	B88	Beam	IPE160	No Message	Comb6(C)	0.016	0.0001897	0.016	0
C0	Story1	B89	Beam	IPE160	No Message	Comb4(C)	0.003	0	0.003	0
C0	Story1	B89	Beam	IPE160	No Message	Comb4(T)	0.016	0	0.016	0.0001565
C1	Story1	B90	Beam	IPE160	No Message	(T)	0.001	0.0002509	0.001	0
C2	Story1	B91	Beam	IPE180	No Message	Comb6(C)	0.367	0.002	0.365	0
C3	Story1	B92	Beam	IPE180	No Message	Comb6(C)	0.349	0.002	0.347	0.0001586
C4	Story1	B93	Beam	IPE180	No Message	(T)	0.001	0.001	0	0
C5	Story1	B94	Beam	IPE180	No Message	(T)	0.077	0	0.077	0
C6	Story1	B95	Beam	IPE180	No Message	(T)	0.032	0.001	0.031	0
C7	Story1	B96	Beam	IPE160	No Message	(T)	0.009	0	0.009	0
C8	Story1	B97	Beam	IPE180	No Message	Comb6(C)	0.706	0	0.706	0
C9	Story1	B98	Beam	IPE180	No Message	(T)	0.032	0.0002586	0.032	0
CA	Story1	B99	Beam	IPE180	No Message	Comb6(C)	0.008	0.0001847	0.007	0
CB	Story1	B100	Beam	IPE160	No Message	(T)	0.009	0	0.009	0
CC	Story1	B101	Beam	IPE180	No Message	Comb6(C)	0.067	0.0002689	0.067	0
CD	Story1	B102	Beam	IPE160	No Message	(T)	0.003	0.0001885	0.003	0
CE	Story1	B103	Beam	IPE180	No Message	Comb6(C)	0.693	0	0.693	0
CF	Story1	B104	Beam	IPE160	No Message	(T)	0.009	0	0.009	0
D0	Story1	B105	Beam	IPE180	No Message	Comb6(C)	0.714	0	0.714	0
D1	Story1	B106	Beam	IPE180	No Message	Comb6(C)	0.714	0	0.714	0
D2	Story1	B107	Beam	IPE180	No Message	Comb6(C)	0.714	0	0.714	0
D3	Story1	B108	Beam	IPE180	No Message	Comb6(C)	0.139	0	0.139	0
D4	Story1	B109	Beam	IPE180	No Message	(T)	0.008	0.0003648	0.008	0
D5	Story1	B110	Beam	IPE160	No Message	(T)	0.009	0	0.009	0
D6	Story1	B111	Beam	IPE160	No Message	Comb4(C)	0.009	0	0.009	0
D7	Story1	B112	Beam	IPE180	No Message	(T)	0.486	0	0.486	0
D8	Story1	B113	Beam	IPE160	No Message	Comb6(C)	0.001	0.0001049	0.001	0
D9	Story1	B114	Beam	IPE180	No Message	Comb6(C)	0.048	0	0.048	0
D9	Story1	B114	Beam	IPE180	No Message	Comb6(T)	0.048	0.0002952	0.048	0.0001926
DA	Story1	B115	Beam	IPE180	No Message	Comb6(C)	0.182	0	0.182	0
DB	Story1	B116	Beam	IPE180	No Message	(T)	0.149	0.001	0.149	0.0001005
DC	Story1	B117	Beam	IPE180	No Message	Comb6(C)	0.714	0	0.714	0
DD	Story1	B118	Beam	IPE160	No Message	Comb6(C)	0.293	0.000108	0.292	0.0003758
DE	Story1	B119	Beam	IPE160	No Message	(T)	0.293	0.001	0.292	0.0001432
DF	Story1	B120	Beam	IPE180	No Message	Comb6(C)	0.309	0	0.309	0
E0	Story1	B121	Beam	IPE180	No Message	(T)	0.136	0.002	0.132	0.001
E1	Story1	B122	Beam	IPE160	No Message	Comb6(C)	0.001	0.001	0.0002485	0
E2	Story1	B123	Beam	IPE180	No Message	Comb6(C)	0.017	0.001	0.016	0.0002328
E3	Story1	B124	Beam	IPE180	No Message	Comb6(C)	0.017	0.001	0.016	0.0003235
E4	Story1	B125	Beam	IPE160	No Message	(T)	0.009	0	0.009	0
E5	Story1	B126	Beam	IPE160	No Message	(T)	0.009	0	0.009	0
E6	Story1	B127	Beam	IPE180	No Message	Comb6(C)	0.019	0	0.019	0
E7	Story1	B128	Beam	IPE180	No Message	(T)	0.058	0.000128	0.058	0
E8	Story1	B129	Beam	IPE160	No Message	(T)	0.184	0.001	0.183	0
E9	Story1	B130	Beam	IPE160	No Message	(T)	0.184	0.0004116	0.183	0
EA	Story1	B131	Beam	IPE160	No Message	(T)	0.419	0.0001686	0.419	0
EB	Story1	B132	Beam	IPE160	No Message	Comb4(C)	0.047	0	0.047	0
EB	Story1	B132	Beam	IPE160	No Message	Comb4(T)	0.419	0	0.419	0
EC	Story1	B133	Beam	IPE180	No Message	Comb6(C)	0.486	0	0.486	0
ED	Story1	B134	Beam	IPE180	No Message	Comb6(C)	0.486	0	0.486	0
EE	Story1	B135	Beam	IPE180	No Message	(T)	0.007	0.001	0.007	0
EF	Story1	B136	Beam	IPE180	No Message	Comb6(C)	0.374	0	0.374	0

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UniqueName	Story	Label	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio	M Major Ratio	M Minor Ratio
EF	Story1	B136	Beam	IPE180	No Message	Comb6(T)	0.375	0	0.374	0.001
F0	Story1	B137	Beam	IPE180	No Message	(T)	0.008	0.0001997	0.008	0
F1	Story1	B138	Beam	IPE180	No Message	Comb6(C)	0.08	0	0.08	0
F2	Story1	B139	Beam	IPE180	No Message	(T)	0.007	0.001	0.005	0
F3	Story1	B140	Beam	IPE180	No Message	Comb6(C)	0.046	0	0.046	0
F4	Story1	B141	Beam	IPE160	No Message	Comb6(C)	0.007	0	0.007	0
F4	Story1	B141	Beam	IPE160	No Message	Comb6(T)	0.008	0	0.008	0
F5	Story1	B142	Beam	IPE180	No Message	(T)	0.011	0.001	0.009	0.001
F6	Story1	B143	Beam	IPE180	No Message	(T)	0.002	0.001	0.002	0
F7	Story1	B144	Beam	IPE180	No Message	(T)	0.003	0.001	0.002	0
F8	Story1	B145	Beam	IPE180	No Message	(T)	0.029	0.0001347	0.028	0.0001175
F9	Story1	B146	Beam	IPE180	No Message	(T)	0.004	0.0001995	0.004	0
FA	Story1	B147	Beam	IPE180	No Message	Comb6(C)	0.027	0	0.027	0
FB	Story1	B148	Beam	IPE180	No Message	(T)	0.01	0.0001181	0.01	0
FC	Story1	B149	Beam	IPE180	No Message	(T)	0.028	0.0002654	0.028	0
FD	Story1	B150	Beam	IPE180	No Message	(T)	0.023	0.0002293	0.023	0
FE	Story1	B151	Beam	IPE160	No Message	(T)	0.002	0.000177	0.002	0
FF	Story1	B152	Beam	IPE180	No Message	Comb6(C)	0.098	0	0.098	0
100	Story1	B153	Beam	IPE160	No Message	(T)	0.009	0.0002431	0.009	0
101	Story1	B154	Beam	IPE180	No Message	Comb6(C)	0.06	0	0.06	0
102	Story1	B155	Beam	IPE160	No Message	(T)	0.019	0.0002486	0.019	0.000142
103	Story1	B156	Beam	IPE180	No Message	Comb4(C)	0.002	0	0.002	0
103	Story1	B156	Beam	IPE180	No Message	Comb4(T)	0.004	0	0.004	0
104	Story1	B157	Beam	IPE160	No Message	(T)	0.023	0.0003122	0.023	0
105	Story1	B158	Beam	IPE180	No Message	Comb6(C)	0.096	0	0.096	0
106	Story1	B159	Beam	IPE160	No Message	Comb4(C)	0.008	0	0.008	0
106	Story1	B159	Beam	IPE160	No Message	Comb4(T)	0.061	0.0001774	0.061	0
107	Story1	B160	Beam	IPE180	No Message	Comb6(C)	0.099	0	0.099	0
108	Story1	B161	Beam	IPE160	No Message	Comb6(C)	0.016	0.000139	0.015	0
109	Story1	B162	Beam	IPE180	No Message	Comb6(C)	0.073	0.001	0.072	0
10A	Story1	B163	Beam	IPE180	No Message	Comb6(C)	0.073	0.001	0.072	0
10B	Story1	B164	Beam	IPE180	No Message	(T)	0.0003461	0.000205	0	0
10C	Story1	B165	Beam	IPE180	No Message	(T)	0.009	0.001	0.009	0
10D	Story1	B166	Beam	IPE180	No Message	(T)	0.019	0.001	0.018	0
10E	Story1	B167	Beam	IPE180	No Message	(T)	0.705	0	0.705	0
10F	Story1	B168	Beam	IPE180	No Message	Comb6(C)	0.705	0	0.705	0
110	Story1	B169	Beam	IPE180	No Message	Comb6(C)	0.707	0	0.707	0
111	Story1	B170	Beam	IPE180	No Message	(T)	0.02	0.0003496	0.02	0
112	Story1	B171	Beam	IPE160	No Message	Comb6(C)	0.001	0.000164	0.001	0
113	Story1	B172	Beam	IPE180	No Message	Comb6(C)	0.477	0	0.477	0
114	Story1	B173	Beam	IPE160	No Message	Comb4(C)	0.008	0	0.008	0
115	Story1	B174	Beam	IPE160	No Message	Comb6(C)	0.272	0.001	0.271	0
116	Story1	B175	Beam	IPE160	No Message	Comb6(C)	0.271	0.0004124	0.271	0
117	Story1	B176	Beam	IPE160	No Message	Comb6(C)	0.001	0.0001683	0.001	0
118	Story1	B177	Beam	IPE180	No Message	Comb6(C)	0.003	0.0002337	0.002	0.001
118	Story1	B177	Beam	IPE180	No Message	Comb6(T)	0.002	0	0.002	0
119	Story1	B178	Beam	IPE180	No Message	Comb6(C)	0.004	0.0002524	0.004	0.001
11A	Story1	B179	Beam	IPE180	No Message	Comb6(C)	0.005	0.0003351	0.004	0.001
11B	Story1	B180	Beam	IPE160	No Message	Comb4(C)	0.008	0	0.008	0
11C	Story1	B181	Beam	IPE160	No Message	Comb4(C)	0.009	0	0.009	0
11D	Story1	B182	Beam	IPE180	No Message	Comb6(C)	0.613	0	0.613	0
11E	Story1	B183	Beam	IPE160	No Message	Comb4(C)	0.001	0	0.001	0
11F	Story1	B184	Beam	IPE160	No Message	Comb4(C)	0.008	0	0.008	0
120	Story1	B185	Beam	IPE160	No Message	Comb4(C)	0.009	0	0.009	0
120	Story1	B185	Beam	IPE160	No Message	Comb4(T)	0.008	0	0.008	0

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UniqueName	Story	Label	Design Type	Design Section	Status	PMM Combo	PMM Ratio	P Ratio	M Major Ratio	M Minor Ratio
121	Story1	B186	Beam	IPE180	No Message	Comb6(C)	0.497	0	0.497	0
122	Story1	B187	Beam	IPE160	No Message	(T)	0.001	0.000353	0.0003032	0
123	Story1	B188	Beam	IPE160	No Message	(T)	0.001	0.0003656	0.001	0
124	Story1	B189	Beam	IPE160	No Message	(T)	0.008	0	0.008	0
125	Story1	B190	Beam	IPE160	No Message	Comb4(C)	0.01	0	0.01	0
125	Story1	B190	Beam	IPE160	No Message	Comb4(T)	0.017	0	0.017	0
126	Story1	B191	Beam	IPE180	No Message	Comb6(C)	0.466	0	0.466	0
127	Story1	B192	Beam	IPE180	No Message	Comb6(C)	0.477	0	0.477	0
128	Story1	B193	Beam	IPE180	No Message	Comb6(C)	0.477	0	0.477	0
129	Story1	B194	Beam	IPE180	No Message	(T)	0.022	0	0.022	0
12A	Story1	B195	Beam	IPE160	No Message	(T)	0.006	0.0001559	0.006	0
12B	Story1	B196	Beam	IPE160	No Message	(T)	0.004	0.000206	0.004	0
12C	Story1	B197	Beam	IPE160	No Message	(T)	0.015	0.0001906	0.015	0
12D	Story1	B198	Beam	IPE160	No Message	(T)	0.046	0.0001448	0.046	0
12E	Story1	B199	Beam	IPE160	No Message	(T)	0.026	0.0001728	0.026	0
12F	Story1	B200	Beam	IPE160	No Message	Comb6(C)	0.002	0.0001736	0.002	0
130	Story1	B201	Beam	IPE160	No Message	Comb6(C)	0.005	0.0001033	0.005	0
131	Story1	B202	Beam	IPE180	No Message	(T)	0.026	0.0002664	0.025	0
132	Story1	B203	Beam	IPE180	No Message	Comb6(C)	0.078	0	0.078	0
133	Story1	B204	Beam	IPE180	No Message	Comb6(C)	0.272	0	0.272	0
134	Story1	B205	Beam	IPE160	No Message	(T)	0.001	0	0.001	0
135	Story1	B206	Beam	IPE180	No Message	Comb6(C)	0.037	0.0002075	0.037	0
136	Story1	B207	Beam	IPE180	No Message	(T)	0.013	0.0002772	0.012	0
137	Story1	B208	Beam	IPE180	No Message	Comb6(C)	0.021	0.0004948	0.021	0
138	Story1	B209	Beam	IPE160	No Message	(T)	0.016	0	0.016	0
139	Story1	B210	Beam	IPE180	No Message	Comb5(C)	0.087	0	0.087	0
13A	Story1	B211	Beam	IPE160	No Message	Comb6(C)	0.024	0	0.023	0.001
13A	Story1	B211	Beam	IPE160	No Message	Comb6(T)	0.025	0.0001208	0.024	0.002
13B	Story1	B212	Beam	IPE160	No Message	(T)	0.002	0	0.002	0
13C	Story1	B213	Beam	IPE180	No Message	(T)	0.005	0.001	0.004	0
13D	Story1	B214	Beam	IPE180	No Message	Comb4(C)	0.001	0	0.001	0
13D	Story1	B214	Beam	IPE180	No Message	Comb4(T)	0.008	0	0.008	0
13E	Story1	B215	Beam	IPE180	No Message	Comb6(C)	0.004	0.0001037	0.004	0.0001026
13F	Story1	B216	Beam	IPE180	No Message	Comb6(C)	0.031	0.0003461	0.031	0
140	Story1	B217	Beam	IPE180	No Message	Comb6(C)	0.069	0.001	0.068	0
141	Story1	B218	Beam	IPE160	No Message	Comb4(C)	0.007	0	0.007	0
142	Story1	B219	Beam	IPE160	No Message	Comb4(C)	0.006	0	0.006	0
142	Story1	B219	Beam	IPE160	No Message	Comb4(T)	0.009	0	0.009	0
143	Story1	B220	Beam	IPE180	No Message	Comb6(C)	0.026	0.0003244	0.026	0
144	Story1	B221	Beam	IPE180	No Message	Comb6(C)	0.026	0	0.026	0
145	Story1	B222	Beam	IPE180	No Message	Comb6(C)	0.335	0	0.335	0
146	Story1	B223	Beam	IPE180	No Message	Comb6(C)	0.889	0	0.889	0
147	Story1	B224	Beam	IPE180	No Message	Comb6(C)	0.194	0.003	0.19	0
148	Story1	B225	Beam	IPE180	No Message	(T)	0.004	0.0004977	0.004	0
149	Story1	B226	Beam	IPE160	No Message	Comb6(C)	0.003	0.0002301	0.003	0
14A	Story1	B227	Beam	IPE180	No Message	(T)	0.071	0.0001322	0.07	0.0001735
14B	Story1	B228	Beam	IPE180	No Message	Comb6(C)	0.071	0.0001679	0.071	0.0002497
14C	Story1	B229	Beam	IPE180	No Message	(T)	0.013	0.0003559	0.013	0
14D	Story1	B230	Beam	IPE180	No Message	Comb4(C)	0.002	0	0.002	0
14D	Story1	B230	Beam	IPE180	No Message	Comb4(T)	0.007	0.0001143	0.007	0
14E	Story1	B231	Beam	IPE180	No Message	Comb6(C)	0.021	0	0.021	0
14F	Story1	B232	Beam	IPE180	No Message	Comb6(C)	0.11	0	0.11	0
150	Story1	B233	Beam	IPE160	No Message	(T)	0.004	0	0.004	0
151	Story1	B234	Beam	IPE180	No Message	Comb6(C)	0.047	0	0.047	0
152	Story1	B235	Beam	IPE180	No Message	Comb6(C)	0.22	0	0.22	0

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UniqueName	Story	Label	Des Ty	Design Section	Status	PMM Combo	PMM Ratio	P Ratio	M Major Ratio	M Minor Ratio
153	Story1	B236	Be	180	No Message	Comb6(C)	0.001	0.0001976	0.001	0.0003245
153	Story1	B236	Be	180	No Message	Comb6(T)	0.011	0	0.011	0
154	Story1	B237	Be	160	No Message	Comb6(C)	0.003	0	0.003	0
155	Story1	B238	Bea	180	No Message	Comb6(C)	0.042	0	0.042	0
156	Story1	B239	Bea	180	No Message	Comb6(C)	0.3	0.002	0.298	0
157	Story1	B240	Bea	180	No Message	Comb6(C)	0.3	0.002	0.298	0
158	Story1	B241	Be	60	No Message	Comb4(C)	0.002	0	0.002	0
158	Story1	B241	Be	60	No Message	Comb4(T)	0.003	0	0.002	0
159	Story1	B242	Be	30	No Message	Comb6(C)	0.299	0.002	0.298	0
15A	Story1	B243	Be	30	No Message	Comb6(C)	0.299	0.002	0.298	0
15B	Story1	B244	Be	30	No Message	(T)	0.004	0.0001573	0.003	0
692	Story1	B732	Be	80	No Message	Comb6(C)	0.137	0.009	0.127	0.001
732	Story1	B456	Bea	180	No Message	(T)	0.008	0.001	0.005	0.002
6C	Story1	B43	Bea	80	No Message	(T)	0.002	0	0.002	0

Table 6.1 - Design Summary - AISC 360-16 (Part 2 of 2)

UniqueName	V Major Combo	V M Ra	nor bo	V Minor Ratio	SigmaECombo	SigmaERatio	Message
277	Comb6	0.0	b4	0			
278	Comb6	0.0	b4	0.000104			
279	Comb6	0.01	b6	0.001			
280	Comb6	0.00	b6	0.001			
281	Comb6	0.01	mb6	0.002			
282	Comb6	0.0	6	0.057			
283	Comb6	0.0	b6	0.001			
284	Comb6	0.0	6	0.002			
285	Comb6	0.0	6	0.001			
286	Comb6	0.0	b6	0.005			
287	Comb6	0.0	b6	0.004			
288	Comb6	0.0	b6	0.0001856			
289	Comb6	0.0	b6	0.004			
290	Comb6	0.0	4	0.0001221			
291	Comb6	0.	6	0.004			
292	Comb6	0	6	0.004			
293	Comb6	0.	6	0.003			
294	Comb6	0.0	6	0			
295	Comb6	0.0	4	0			
296	Comb6	0.0	6	0.0001144			
297	Comb6	0.0	b6	0.002			
298	Comb6	0.0	6	0.001			
299	Comb6	0.	b6	0.002			
300	Comb4	0.0	6	0.004			
301	Comb6	0.	6	0.008			
302	Comb6	0.	6	0.0002885			
304	Comb6	0.	6	0.012			
306	Comb6	0.0	6	0.001			
307	Comb6	0.0	6	0.0003115			
308	Comb6	0.	6	0.002			
309	Comb6	0	6	0.0002974			
1	Comb6	0.	6	0.0002507			
2	Comb6	0	6	0.014			
3	Comb6	0.	6	0.002			
4	Comb6	0.	6	0.003			
5	Comb6	0.	6	0.002			
6	Comb6	0.	6	0.002			

145

UniqueName	V Major Combo	V M... Ra...	...or ...o	V Minor Ratio	SigmaECombo	SigmaERatio	Message
7	Comb6	0.	...6	0.001			
8	Comb6	0.	...6	0.001			
9	Comb6	0.00	...6	0.003			
10	Comb6	0.000	...b6	0			
11	Comb6	0.0	...6	0.0003249			
12	Comb6	0.000	...b6	0.005			
13	Comb6	0	...6	0.008			
14	Comb6	0.	...6	0.002			
15	Comb6	0.	...6	0.003			
16	Comb6	0.	...6	0.004			
18	Comb6	0.	...6	0.001			
19	Comb6	0.	...6	0.001			
20	Comb6	0.	...6	0.001			
21	Comb6	0.0	...6	0.001			
22	Comb6	0.	...6	0.001			
23	Comb6	0.	...6	0.0003202			
24	Comb6	0	...6	0.0002473			
25	Comb6	0	...6	0.0001437			
26	Comb6	0.	...6	0			
27	Comb6	0	...6	0			
28	Comb6	0.	...6	0.004			
29	Comb6	0.	...6	0			
30	Comb6	0.	...6	0.001			
31	Comb6	0	...6	0.0001385			
32	Comb6	0	...6	0			
33	Comb6	0	...6	0.005			
34	Comb6	0	...6	0.001			
35	Comb6	0.	...6	0.001			
36	Comb6	0	...6	0.004			
37	Comb6	0.	...6	0.001			
17	Comb6	0.	...6	0.001			
38	Comb6	0.	...6	0			
39	Comb6	0	...6	0.000121			
40	Comb6	0	...6	0.0004476			
41	Comb6	0.	...6	0.0003606			
42	Comb6	0	...6	0.0004751			
43	Comb6	0	...6	0.001			
44	Comb6	0	...6	0.0002679			
58	Comb6	0.	...6	0.001			
59	Comb6	0.	...6	0.0002601			
47	Comb6	0.	...6	0.001			
48	Comb6	0.	...6	0.006			
49	Comb6	0.	...6	0			
50	Comb6	0.	...6	0.005			
51	Comb6	0.	...6	0.001			
60	Comb6	0.	...6	0			
61	Comb6	0.	...6	0			
62	Comb6	0.	...6	0.0001551			
63	Comb6	0	...6	0.002			
64	Comb6	0	...6	0.0002203			
65	Comb6	0	...6	0.003			
66	Comb6		...6	0.001			
67	Comb6		...6	0.001			
160	Comb6	0	...6	0.0001549			
161	Comb6	0	...6	0.002			

1436

UniqueName	V Major Combo	V	V Minor Ratio	SigmaECombo	SigmaERatio	Message
162	Comb6		0.001			
163	Comb6		0.008			
164	Comb6		0.0002815			
165	Comb6		0			
166	Comb6		0.004			
167	Comb6		0.001			
168	Comb6		0.001			
169	Comb6		0.002			
176	Comb6		0			
172	Comb6		0.004			
173	Comb6		0.001			
174	Comb6		0.005			
175	Comb6		0.003			
177	Comb6		0.001			
178	Comb6		0.003			
179	Comb6		0.002			
180	Comb6		0.002			
181	Comb6		0.0002777			
182	Comb6		0.001			
183	Comb6		0			
184	Comb6		0.001			
185	Comb6		0.008			
45	Comb6		0.001			
46	Comb6		0.001			
52	Comb6		0.008			
53	Comb6		0.003			
54	Comb6		0			
55	Comb6		0.0002497			
56	Comb6		0			
57	Comb6		0.001			
170	Comb6		0.0003967			
171	Comb6		0.002			
429	Comb6		0.004			
80	Comb6		0.003			
81	Comb6		0.007			
68	Comb6		0			
69	Comb6		0			
6A	Comb6		0			
6A						
6B	Comb6		0			
6E	Comb6		0			
6F	Comb6		0			
70	Comb6		0			
71	Comb6		0			
72	Comb6		0			
73	Comb6		0			
74	Comb6		0			
75	Comb6		0			
76	Comb6		0			
77	Comb6		0			
78	Comb6		0			
79	Comb6		0			
7A	Comb6		0			
7B	Comb6		0			
7C	Comb6		0.001			

437

UniqueName	V Maj Comb	V Minor Ratio	SigmaECombo	SigmaERatio	Message
7D	Comb	0			
7E	Comb	0			
7F	Comb	0.0001318			
691	Comb6	0			
693	Comb6	0			
82	Comb6	0.0001397			
82					
83	Com	0.0001394			
84	Com	0			
85	Com	0			
86	Com	0			
87	Com	0			
88	Comb	0			
89	Comb	0			
8A	Comb	0			
8B	Com	0			
8C	Com	0			
8D	Com	0			
8E	Com	0			
8F	Com	0			
90	Com	0			
91	Com	0			
93	Comb	0			
94	Com	0			
95	Com	0			
96	Com	0			
97	Com	0			
98	Com	0			
99	Com	0			
9A	Com	0			
9B	Com	0			
9C	Com	0			
9D	Com	0			
9E	Com	0			
9F	Com	0			
A0	Com	0			
A1	Com	0			
A2	Com	0			
A3	Com	0			
A4	Com	0			
A5	Com	0			
A6	Com	0			
A7	Com	0			
A8	Com	0			
A9	Com	0			
AA	Com	0			
AB	Com	0			
AC	Com	0			
AD	Com	0			
AD					
AE	Com	0			
AF	Com	0			
B0	Com	0			
B0					
B1	Com	0			

1438

UniqueName	V Major Combo	V M R	V Minor Ratio	SigmaECombo	SigmaERatio	Message
B2	Comb	0	0			
B2						
B3	Comb		0			
B4	Com		0			
B5	Comb		0.001			
B6	Comb		0			
B6						
B7	Comb		0			
B8	Comb		0			
B9	Comb		0			
BA	Comb		0			
BB	Comb		0			
BC	Com		0			
BD	Com		0			
BE	Comb		0			
BF	Com		0			
C0	Com		0			
C0						
C1	Com		0			
C2	Com		0			
C3	Com		0			
C4	Com	0.0	0			
C5	Comb		0			
C6	Com		0			
C7	Com		0			
C8	Comb		0			
C9	Com		0			
CA	Comb		0			
CB	Com		0			
CC	Com		0			
CD	Com		0			
CE	Com		0			
CF	Com		0			
D0	Com		0			
D1	Com		0			
D2	Com		0			
D3	Com		0			
D4	Com		0			
D5	Comb		0			
D6	Comb		0			
D7	Com		0			
D8	Com		0			
D9	Comb		0			
D9						
DA	Comb6		0			
DB	Comb		0			
DC	Comb		0			
DD	Comb		0			
DE	Com		0			
DF	Com		0			
E0	Com		0			
E1	Comb4		0			
E2	Comb6		0			
E3	Com		0			
E4	Com		0			

1439

UniqueName	V Maj Combo	V Minor Ratio	SigmaECombo	SigmaERatio	Message
E5	Com	0			
E6	Com	0			
E7	Com	0			
E8	Com	0			
E9	Com	0			
EA	Com	0			
EB	Com	0			
EB					
EC	Com	0			
ED	Com	0			
EE	Com	0			
EF	Com	0.001			
EF					
F0	Com	0			
F1	Com	0.001			
F2	Com	0			
F3	Com	0			
F4	Com	0			
F4					
F5	Com	0.0002681			
F6	Com	0			
F7	Com	0			
F8	Com	0.000337			
F9	Com	0			
FA	Com	0			
FB	Com	0			
FC	Com	0			
FD	Com 6	0			
FE	Com	0			
FF	Com	0			
100	Com	0			
101	Com	0			
102	Com	0			
103	Com	0			
103					
104	Com	0			
105	Com	0			
106	Com	0			
106					
107	Com	0			
108	Com	0			
109	Com	0			
10A	Com	0			
10B	Com	0			
10C	Com	0			
10D	Com	0			
10E	Com	0			
10F	Com	0			
110	Com	0			
111	Com	0			
112	Com	0			
113	Com	0			
114	Com	0			
115	Com	0			
116	Com	0			

1440

UniqueName	V M Co	V Minor Ratio	SigmaECombo	SigmaERatio	Message
117	Co	0			
118	Co	0.0002225			
118					
119	Co	0			
11A	Co	0.000195			
11B	Co	0			
11C	Co	0			
11D	Co	0			
11E	Co	0			
11F	Co	0			
120	Co	0			
120					
121	Co	0			
122	Co	0			
123	Co	0			
124	Co	0			
125	Co	0			
125					
126	Co	0			
127	Co	0			
128	Co	0			
129	Co	0			
12A	Co	0			
12B	Co	0			
12C	Co	0			
12D	Co	0			
12E	Co	0			
12F	Co	0			
130	Co	0			
131	Co	0			
132	Co	0			
133	Co	0			
134	Co	0			
135	Co	0			
136	Co	0			
137	Co	0			
138	Co	0			
139	Co	0			
13A	Co	0.0003214			
13A					
13B	Co	0			
13C	Co	0			
13D	Co	0			
13D					
13E	Co	0			
13F	Co	0			
140	Co	0			
141	Co	0			
142	Co	0			
142					
143	Co	0			
144	Co	0			
145	Co	0			
146	Co	0			
147	Co	0			

1441

UniqueName	V M Ratio	SigmaECombo	SigmaERatio	Message
148	0			
149	0			
14A	0			
14B	0			
14C	0			
14D	0			
14D				
14E	0			
14F	0			
150	0			
151	0			
152	0			
153	0.001			
153				
154	0			
155	0			
156	0			
157	0			
158	0			
158				
159	0			
15A	0			
15B	0			
692	0			
732	0.0002296			
6C	0			

1492

BOGOTÁ | INSTITUTO DISTRITAL DE PATRIMONIO CULTURAL

MEMORIA DE CÁLCULO ESTRUCTURAL
SENDERO PEATONAL



Conservación y restauración del patrimonio construido
Estudios – Diseños – Obra - Interventoría

CONSULTORÍA PARA LA ELABORACIÓN DE LOS ESTUDIOS TÉCNICOS, DISEÑOS ARQUITECTÓNICOS Y DE INGENIERÍA, NECESARIOS Y COMPLEMENTARIOS PARA LAS OBRAS DE URBANISMO, REDES DE SUMINISTRO DE SERVICIOS PÚBLICOS Y CONSTRUCCIÓN DE LOS ACCESOS PRINCIPALES DEL PARQUE ARQUEOLÓGICO HACIENDA EL CARMEN, UBICADO EN LA LOCALIDAD DE USME BOGOTÁ D.C.

Bogotá, Diciembre de 2024

1443

Contenido

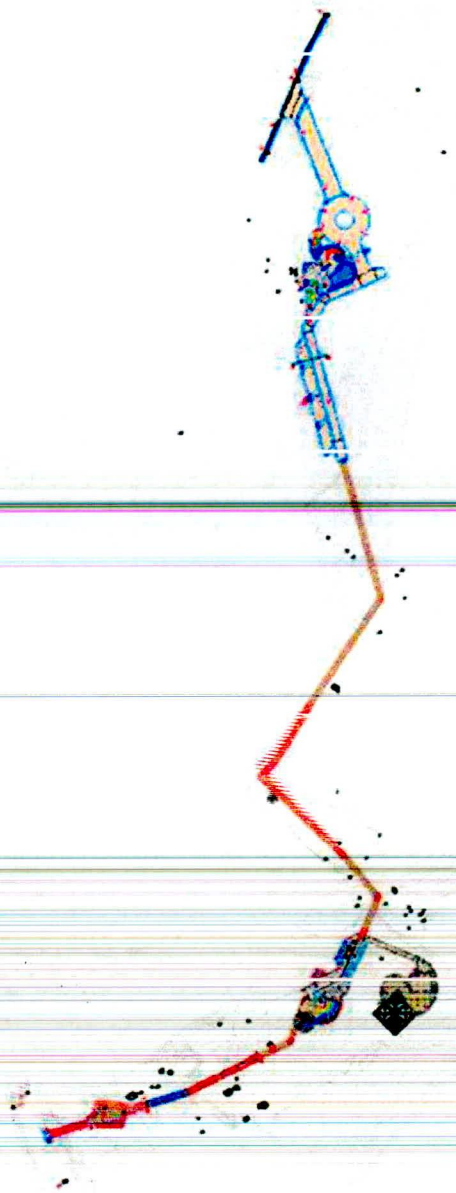
GENERALIDADES 1
AVALUO DE CARGAS 3
COMBINACIONES DE CARGA 3
MODELACION ESTRUCTURAL 4
Diseño de Elementos Metálicos 8
Anexos 10

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SENDERO PEATONAL

GENERALIDADES

La sala de introducción se encuentra ubicada dentro del proyecto del parque arqueológico hacienda el Carmen, en la localidad de Usme de la ciudad de Bogotá.



Se proyecta un sobrepiso flotado aproximadamente 50cm sobre el terreno natural, se plantea un sistema de Perfiles tubulares Rectangulares (PTR) de acero para las cargas verticales, la cimentación es dados de concreto prefabricado, se han seguido las recomendaciones del estudio de suelos ES 23-4634 de la empresa Simétrica Ingenieros Civiles de enero de 2023. Los senderos tienen un acabado en madera plástica.

La modelación se realiza en el software ETABS el cual tiene en cuenta el peso propio de los elementos.

Especificaciones:

Concretos:

f'c: 210 kg/cm² ó 3000 psi

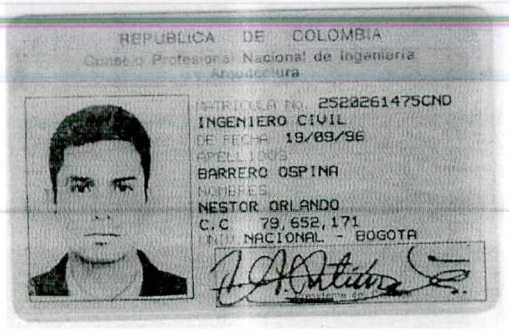
Acero de refuerzo:

fy: 4200 kg/cm² ó 60000 psi φ ≥ 1/4"

Acero estructural: A500 Lamina delgada (PTR)

A36. Para ángulos de alas desiguales.

En este informe está conformado por un (1) tomo de hojas de memoria, y los planos en donde se encuentran especificados todos los elementos y las dimensiones de la estructura.



Nestor Barrero

Néstor Orlando Barrero O.

Ingeniero Civil. Especialista en Estructuras U.N.

Matrícula No. 25202-61475 de Cundinamarca

AVALUO DE CARGAS

Piso Flotado Sendero

Carga muerta: Angulo de 1"x3"x3/16"	0.005 Ton/m²
Carga viva:	0.500
Carga de granizo:	0.100

El software tiene en cuenta el peso propio de los elementos estructurales

COMBINACIONES DE CARGA

CM: Carga muerta.

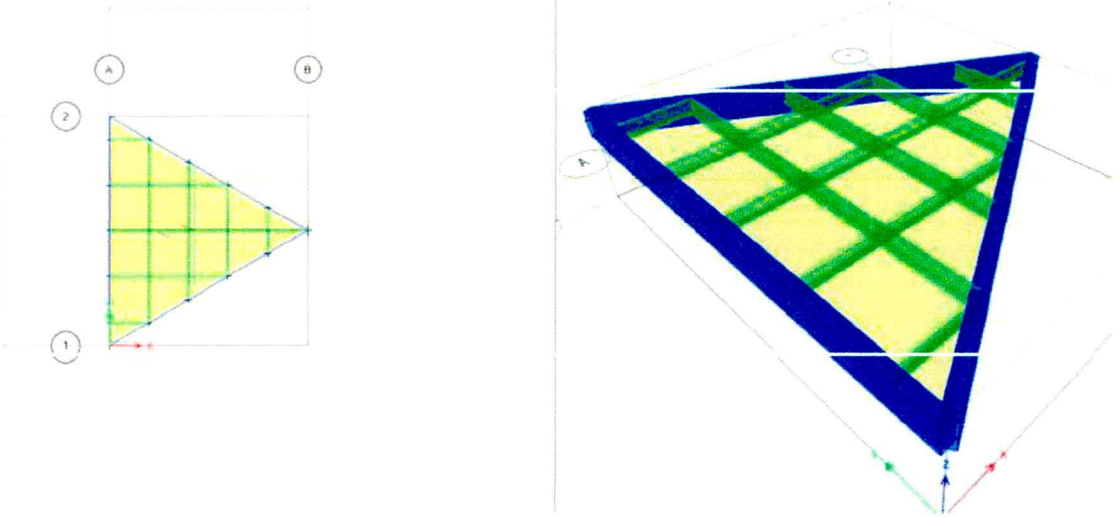
CV: Carga viva.

CG: Carga de Granizo.

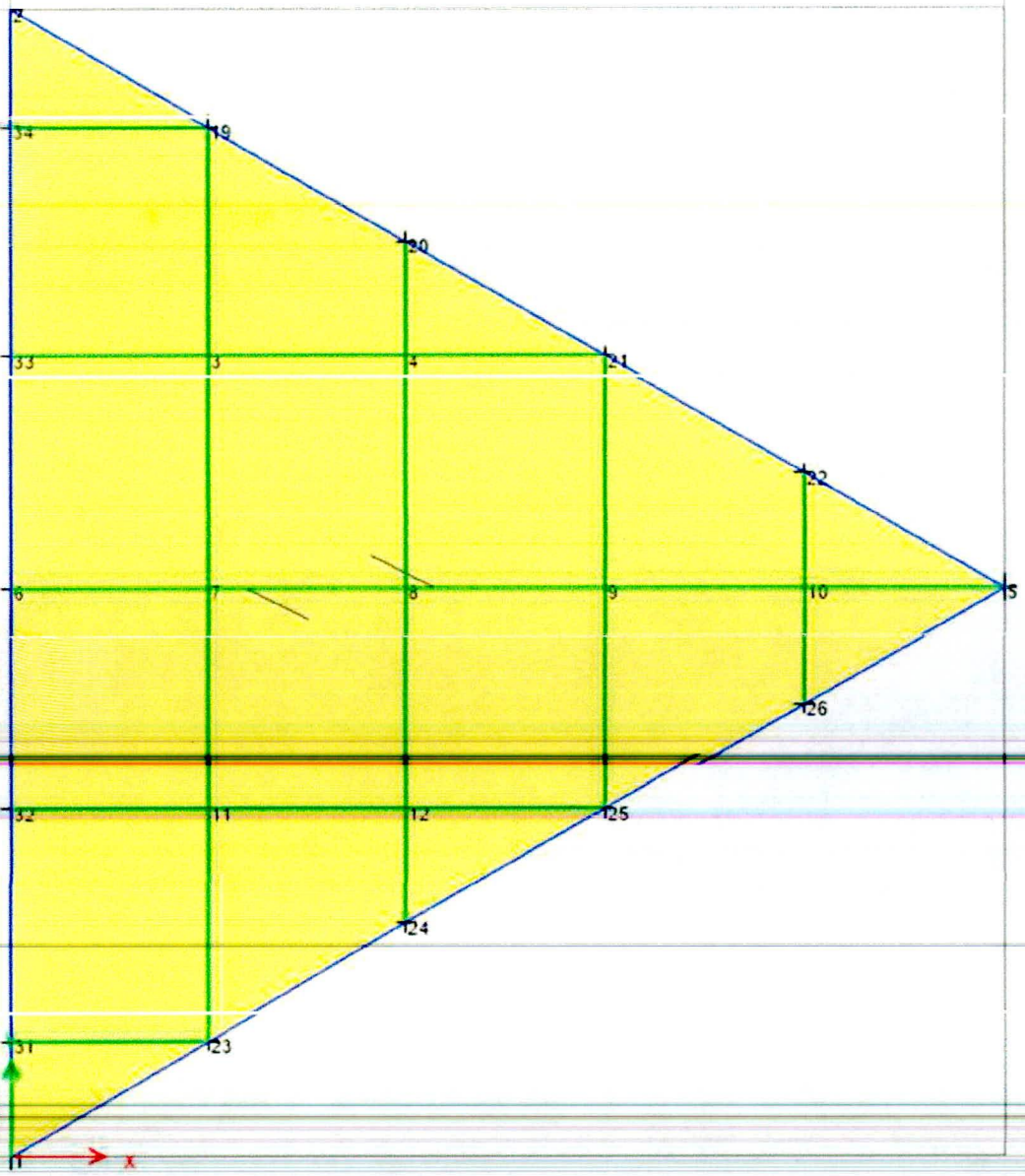
a) Para deformaciones y cimentación
1. 1.0 CM
2. 1.0 CM + 1.0 CV
3. 1.0 CM + 1.0 CG

b) Para diseño de elementos estructurales
4. 1.4 CM
5. 1.2 CM + 1.6 CV
6. 1.2 CM + 1.6 CV + 0.5 CG
7. 1.2 CM + 1.6 CG +1.0 CV

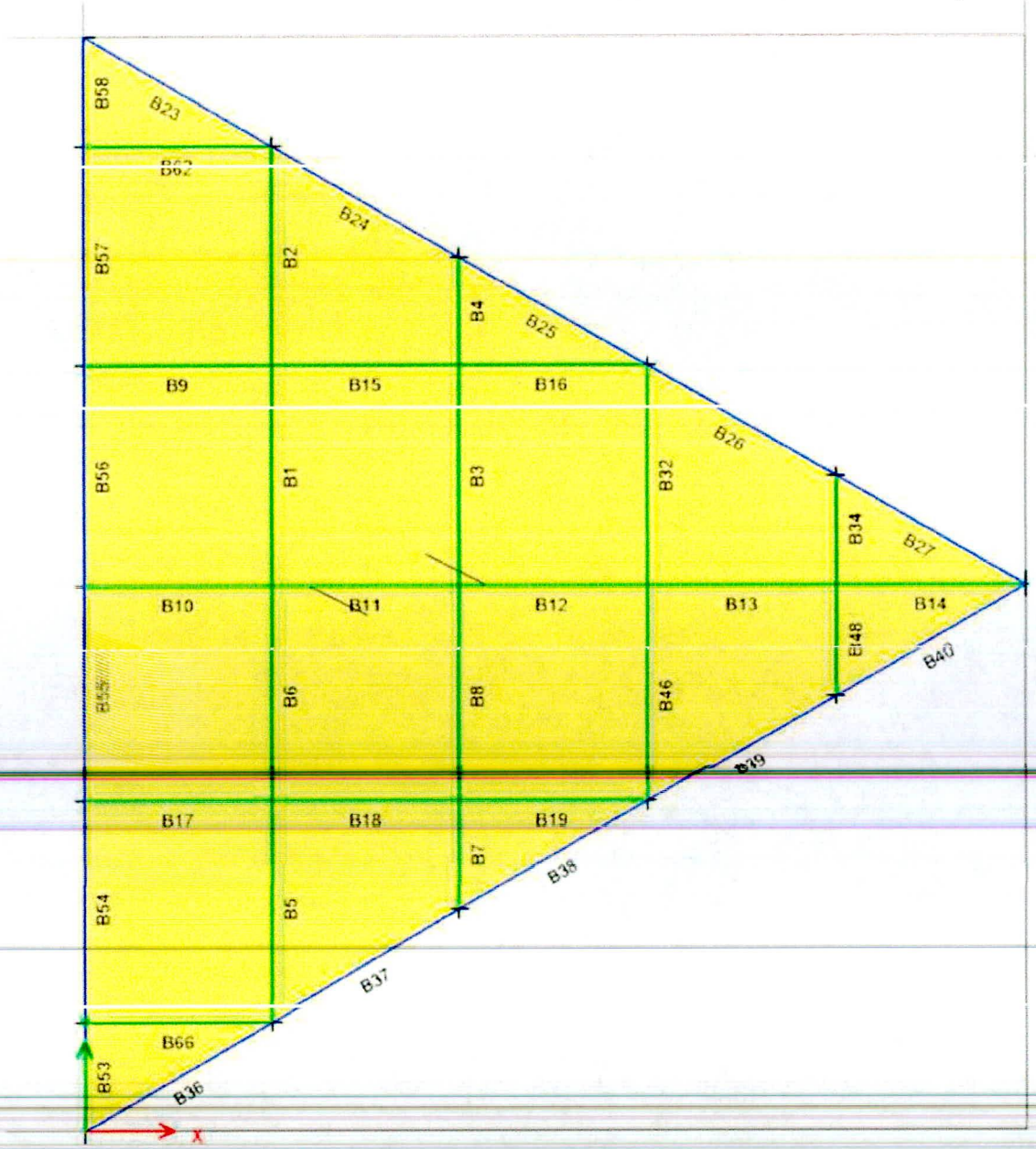
MODELACION ESTRUCTURAL



Esquema de modelación en 3D



Identificación de nudos



Identificación de elementos



Asignación de secciones

Diseño de Elementos Metálicos

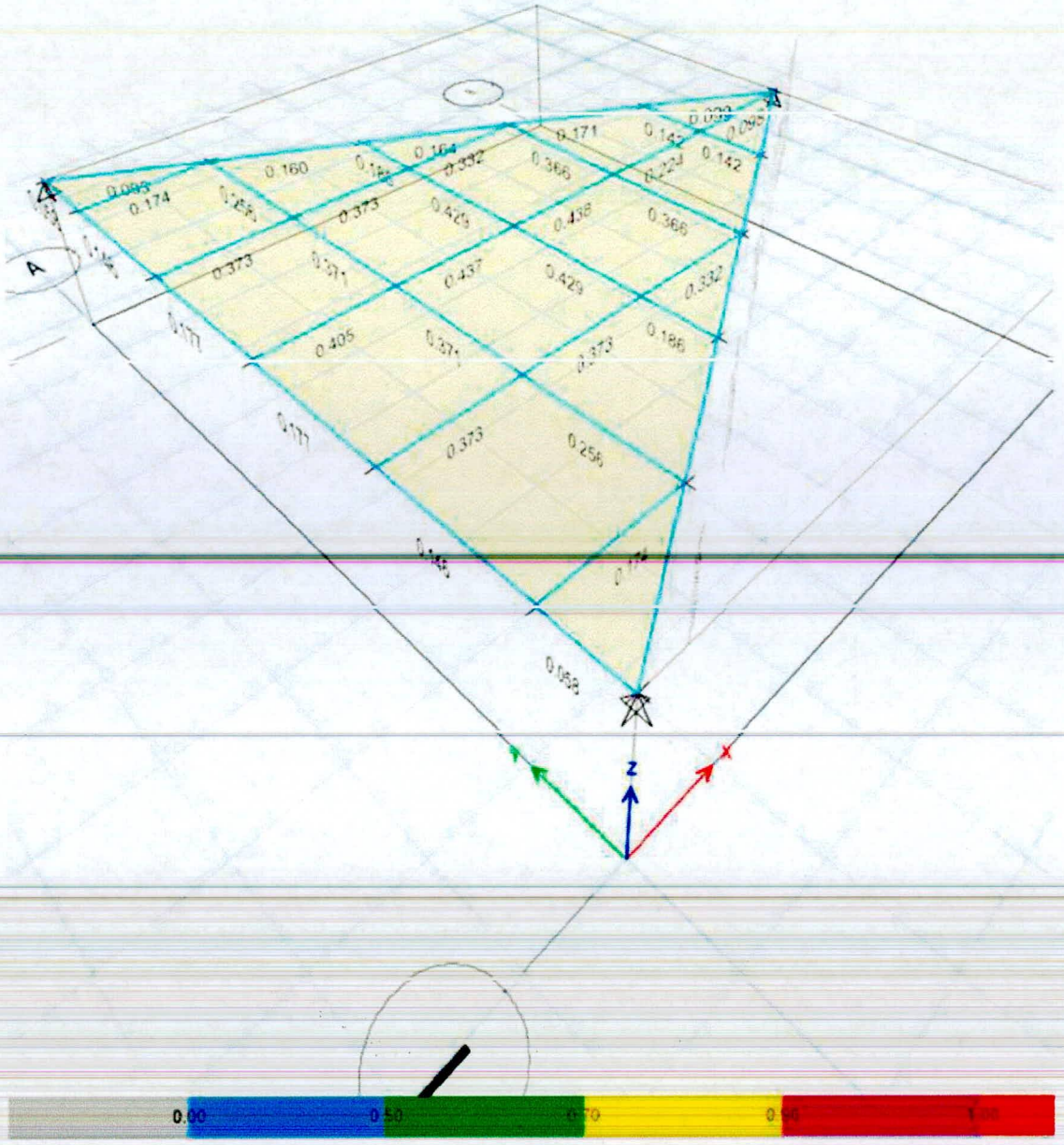
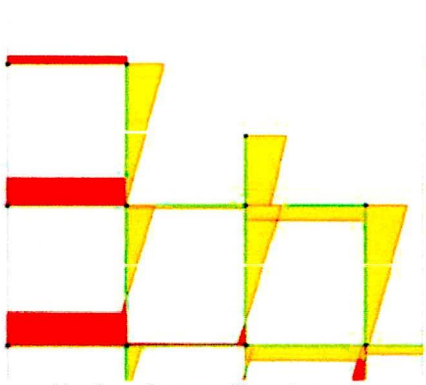


TABLE: Steel Beam Envelope - AISC 360-16

Story	Label	UniqueName	Section	Moment Interaction Check	PMM Combo	V22 Ratio	V33 Ratio	Conn. V I-End	Conn. V J-End
								kgf	kgf
Story1	B10	10	L1"x3"x3/16"	0.405 = 0 + 0.232 + 0.173	Comb4	0.022	0	0	0
Story1	B11	11	L1"x3"x3/16"	0.437 = 0 + 0.251 + 0.187	Comb4	0.002	0	0	0
Story1	B12	12	L1"x3"x3/16"	0.438 = 0 + 0.251 + 0.187	Comb4	0.009	0	0	0
Story1	B13	13	L1"x3"x3/16"	0.224 = 0 + 0.128 + 0.096	Comb4	0.006	0	0	0
Story1	B14	14	L1"x3"x3/16"	0.098 = 0 + 0.056 + 0.042	Comb4	0.005	0	0	0
Story1	B23	23	PTR2"x5"x1/8"	0.095 = 0 + 0.095 + 0	Comb4	0.021	0	0	0
Story1	B24	24	PTR2"x5"x1/8"	0.16 = 0 + 0.16 + 0	Comb4	0.012	0	0	0
Story1	B25	25	PTR2"x5"x1/8"	0.164 = 0 + 0.164 + 0	Comb4	0.001	0	0	0
Story1	B26	26	PTR2"x5"x1/8"	0.171 = 0 + 0.171 + 0	Comb4	0.016	0	0	0
Story1	B27	27	PTR2"x5"x1/8"	0.099 = 0 + 0.099 + 0	Comb4	0.022	0	0	0
Story1	B32	32	L1"x3"x3/16"	0.366 = 0 + 0.209 + 0.156	Comb4	0.027	0	0	0
Story1	B34	34	L1"x3"x3/16"	0.142 = 0 + 0.081 + 0.061	Comb4	0.011	0	0	0
Story1	B36	36	PTR2"x5"x1/8"	0.095 = 0 + 0.095 + 0	Comb4	0.021	0	0	0
Story1	B37	37	PTR2"x5"x1/8"	0.16 = 0 + 0.16 + 0	Comb4	0.012	0	0	0
Story1	B38	38	PTR2"x5"x1/8"	0.164 = 0 + 0.164 + 0	Comb4	0.001	0	0	0
Story1	B39	39	PTR2"x5"x1/8"	0.171 = 0 + 0.171 + 0	Comb4	0.016	0	0	0
Story1	B40	40	PTR2"x5"x1/8"	0.099 = 0 + 0.099 + 0	Comb4	0.022	0	0	0
Story1	B46	46	L1"x3"x3/16"	0.366 = 0 + 0.209 + 0.156	Comb4	0.027	0	0	0
Story1	B48	48	L1"x3"x3/16"	0.142 = 0 + 0.081 + 0.061	Comb4	0.011	0	0	0
Story1	B53	53	PTR2"x5"x1/8"	0.058 = 0 + 0.058 + 0	Comb4	0.025	0	0	0
Story1	B54	54	PTR2"x5"x1/8"	0.146 = 0 + 0.146 + 0	Comb4	0.022	0	0	0
Story1	B55	55	PTR2"x5"x1/8"	0.177 = 0 + 0.177 + 0	Comb4	0.01	0	0	0
Story1	B56	56	PTR2"x5"x1/8"	0.177 = 0 + 0.177 + 0	Comb4	0.01	0	0	0
Story1	B57	57	PTR2"x5"x1/8"	0.146 = 0 + 0.146 + 0	Comb4	0.022	0	0	0
Story1	B58	58	PTR2"x5"x1/8"	0.058 = 0 + 0.058 + 0	Comb4	0.025	0	0	0
Story1	B62	62	L1"x3"x3/16"	0.174 = 0 + 0.099 + 0.074	Comb4	0.005	0	0	0
Story1	B66	66	L1"x3"x3/16"	0.174 = 0 + 0.099 + 0.074	Comb4	0.005	0	0	0
Story1	B1	1	L1"x3"x3/16"	0.371 = 0 + 0.212 + 0.158	Comb4	0.018	0	0	0
Story1	B2	2	L1"x3"x3/16"	0.256 = 0 + 0.147 + 0.109	Comb4	0.024	0	0	0
Story1	B3	3	L1"x3"x3/16"	0.429 = 0 + 0.246 + 0.183	Comb4	0.023	0	0	0
Story1	B4	4	L1"x3"x3/16"	0.186 = 0 + 0.107 + 0.079	Comb4	0.026	0	0	0
Story1	B5	5	L1"x3"x3/16"	0.256 = 0 + 0.147 + 0.109	Comb4	0.024	0	0	0
Story1	B6	6	L1"x3"x3/16"	0.371 = 0 + 0.212 + 0.158	Comb4	0.018	0	0	0
Story1	B7	7	L1"x3"x3/16"	0.186 = 0 + 0.107 + 0.079	Comb4	0.026	0	0	0
Story1	B8	8	L1"x3"x3/16"	0.429 = 0 + 0.246 + 0.183	Comb4	0.023	0	0	0
Story1	B9	9	L1"x3"x3/16"	0.373 = 0 + 0.214 + 0.159	Comb4	0.018	0	0	0
Story1	B15	15	L1"x3"x3/16"	0.373 = 0 + 0.214 + 0.159	Comb4	0.002	0	0	0
Story1	B16	16	L1"x3"x3/16"	0.332 = 0 + 0.19 + 0.142	Comb4	0.01	0	0	0
Story1	B17	17	L1"x3"x3/16"	0.373 = 0 + 0.214 + 0.159	Comb4	0.018	0	0	0
Story1	B18	18	L1"x3"x3/16"	0.373 = 0 + 0.214 + 0.159	Comb4	0.002	0	0	0
Story1	B19	19	L1"x3"x3/16"	0.332 = 0 + 0.19 + 0.142	Comb4	0.01	0	0	0





Conexión ángulo a perfil rectangular

Máxima reacción en elementos 1"x3x3/16"

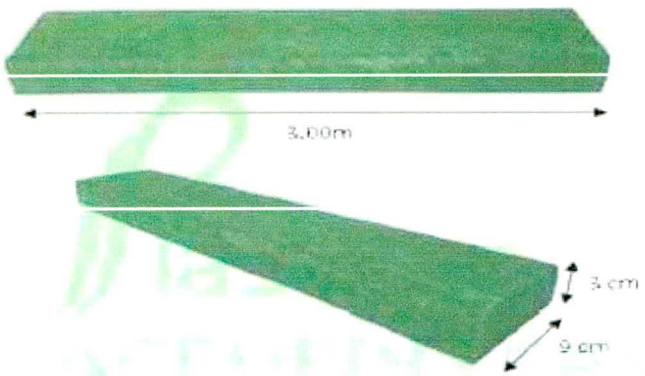
øRn ≤ ø Aw * Fw = 0.707*D*L*0.6Fexx

1.29 kN ≤ 0.75 * 0.318 *2*50 *420/1000 = 10.02 kN Ok.

PISO SENDEROS

FICHA TÉCNICA VARETA PLÁSTICA

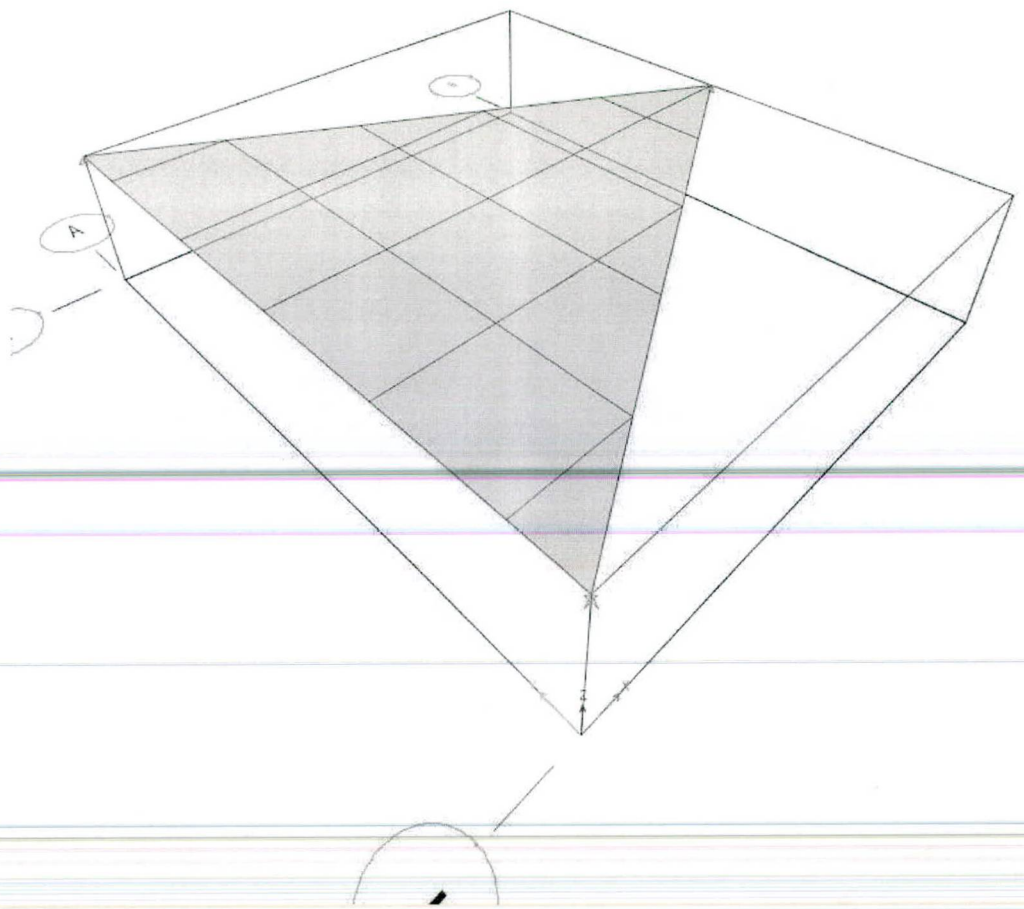
Codigo	3.3	VARETA MADERA PLASTICA



ESPECIFICACIONES						
REFERENCIA					FECHA	
Vareta	Ancho		Largo	Espesor	27 de marzo de 2021	
	9 cm	x	3,00m	x 3 cm	MATERIAL	
BENEFICIOS					Polietileno y Polipropileno	
- Material anti corrosivo - Se puede clavar, apuntillar, atornillar, grapar, etc. - No requiere aislantes para usos electricos. - Sustituye el uso de otros materiales como el metal o madera. - No requiere mantenimiento. - Repele la humedad. - Resistente a la intemperie, bajo cualquier condición meteorológica.					PESO	CAPACIDAD
					7 kg	400 Kilos Aprox.
					VIDA ÚTIL	
					15-20 AÑOS	
					PLÁSTICOS ACEVEDO S.A.S	

Anexos

ETABS®



User Report 1

Model File: sendero, Revision 0
10/12/2024

1456

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