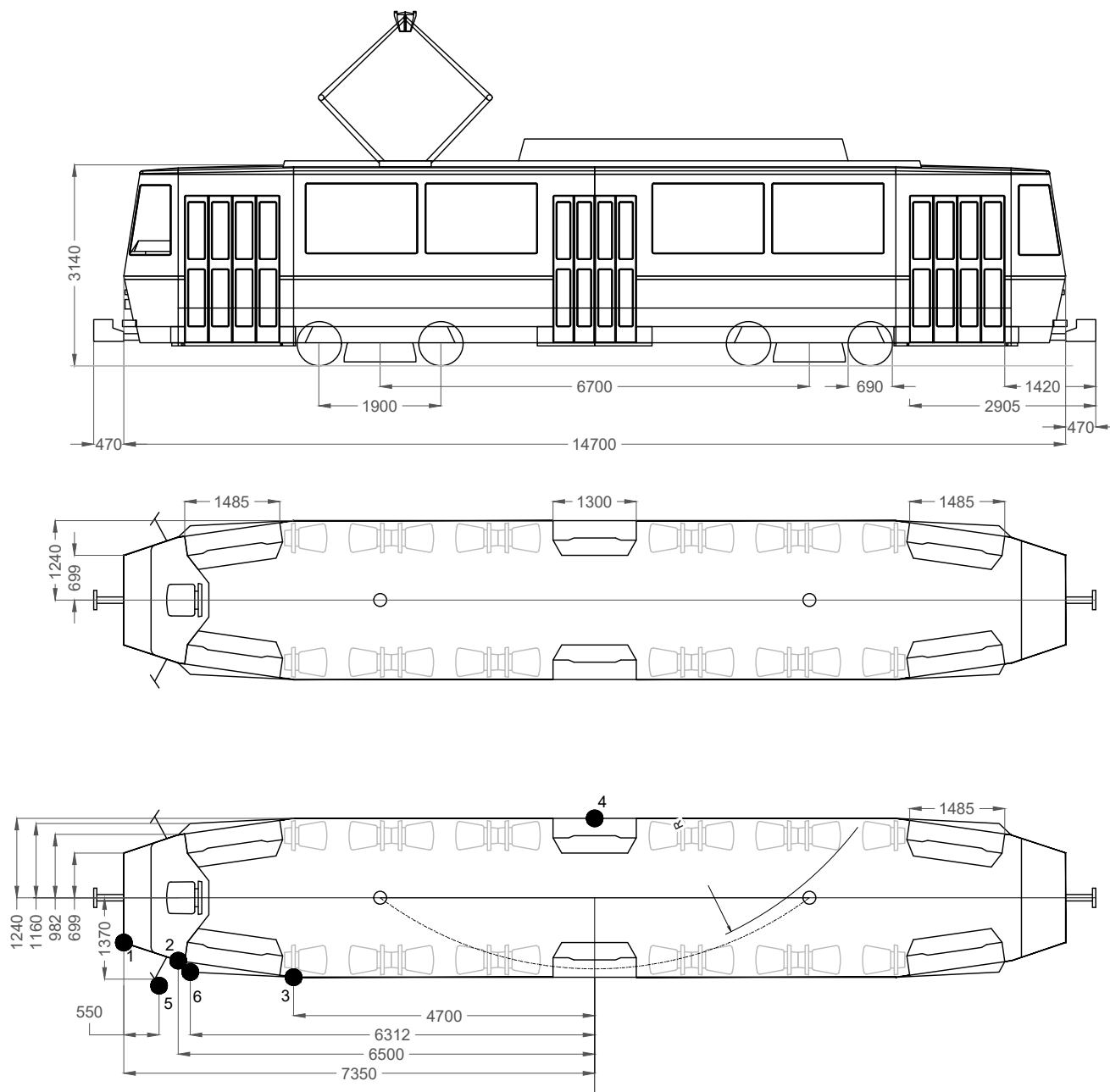
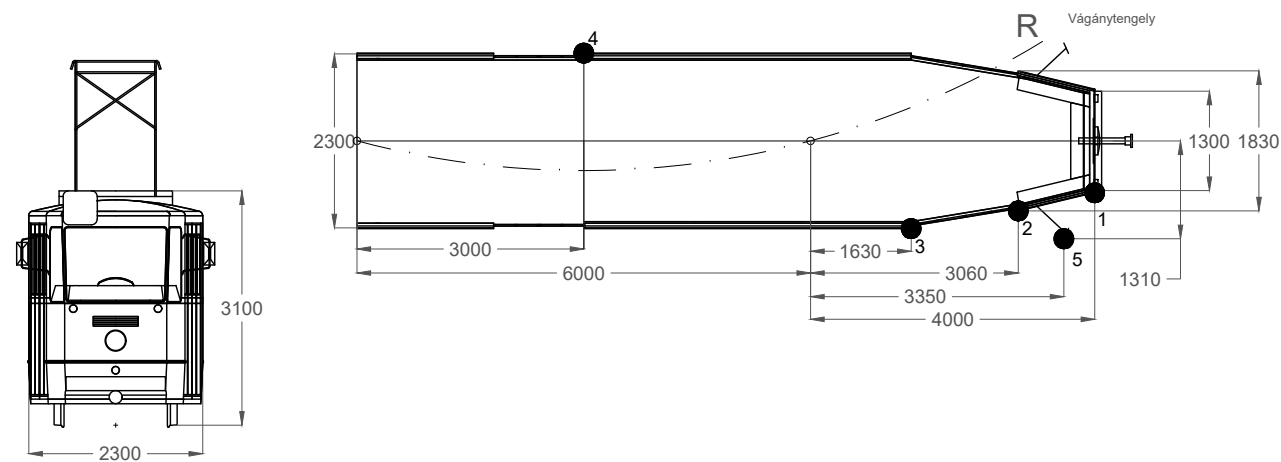
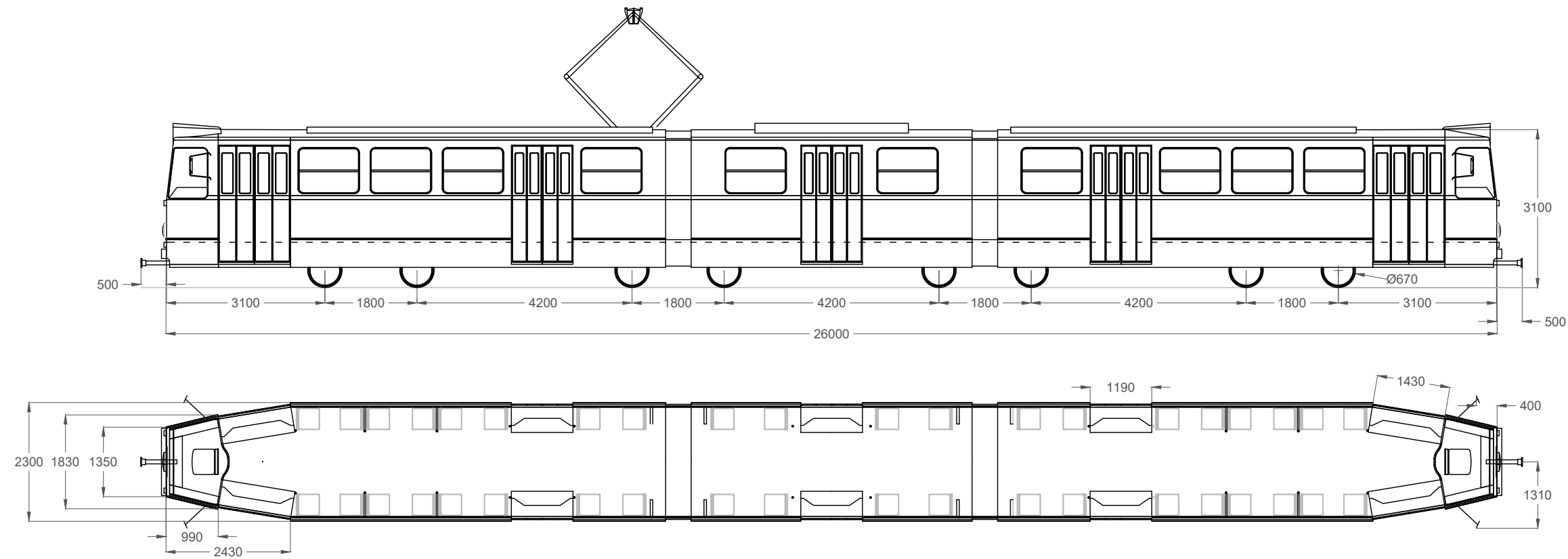


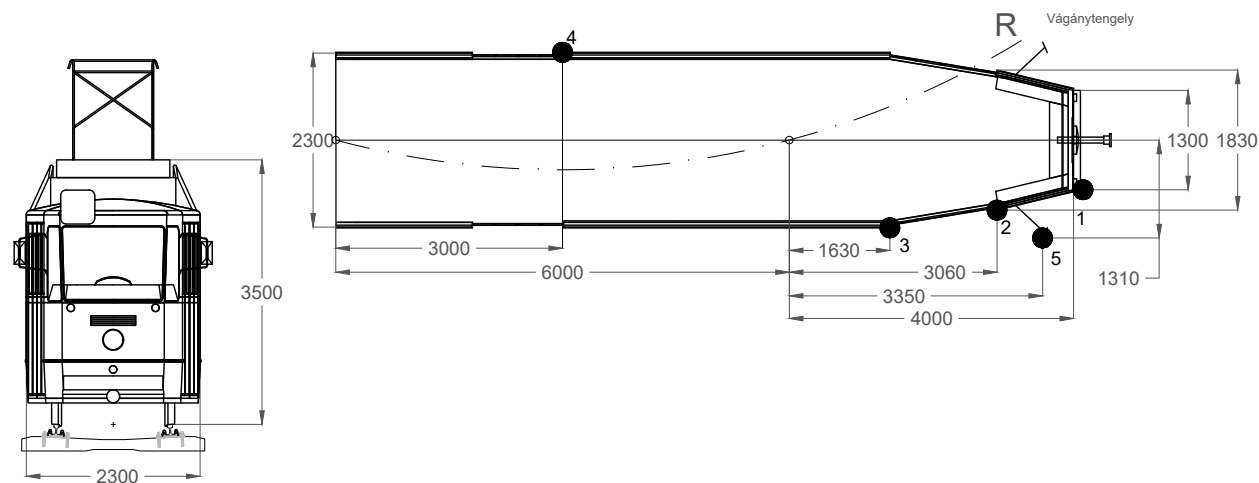
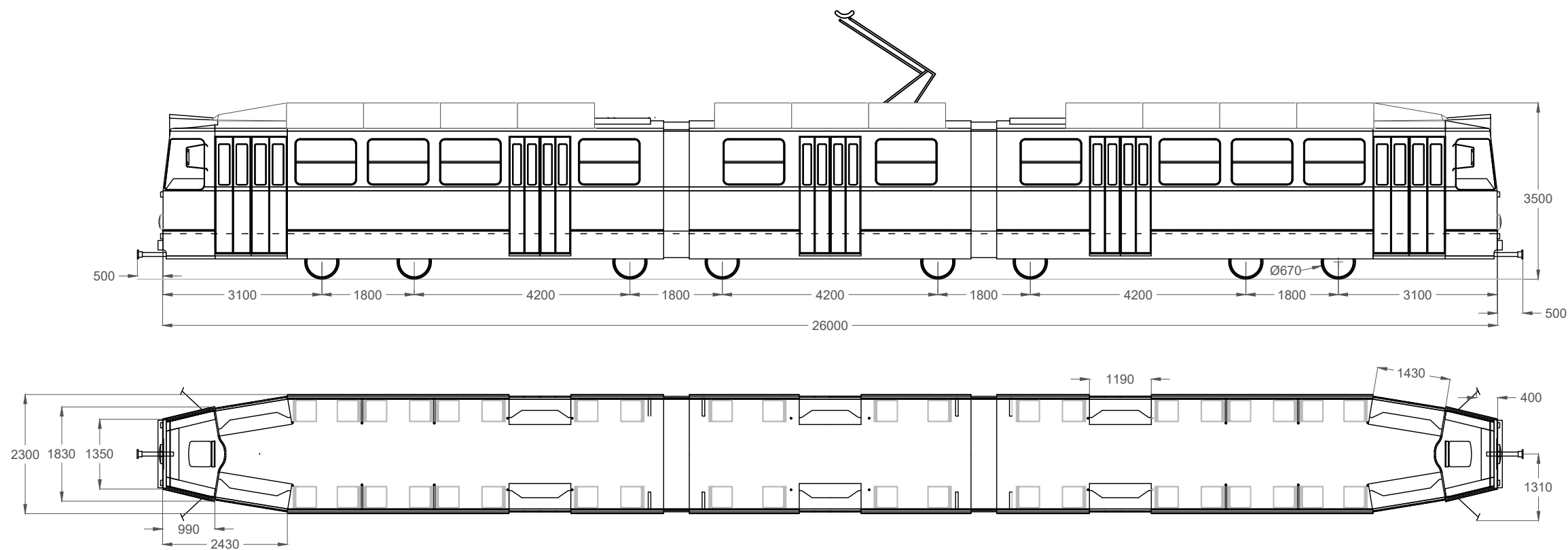


A TSC5 JÁRMŰ PONTJAINAK TÁVOLSÁGA A VÁGÁNYTENGELYTŐL

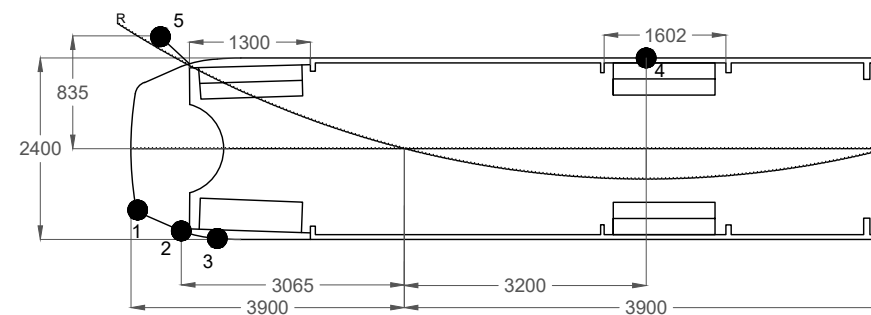
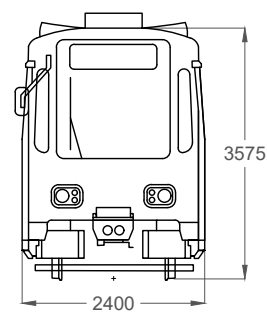
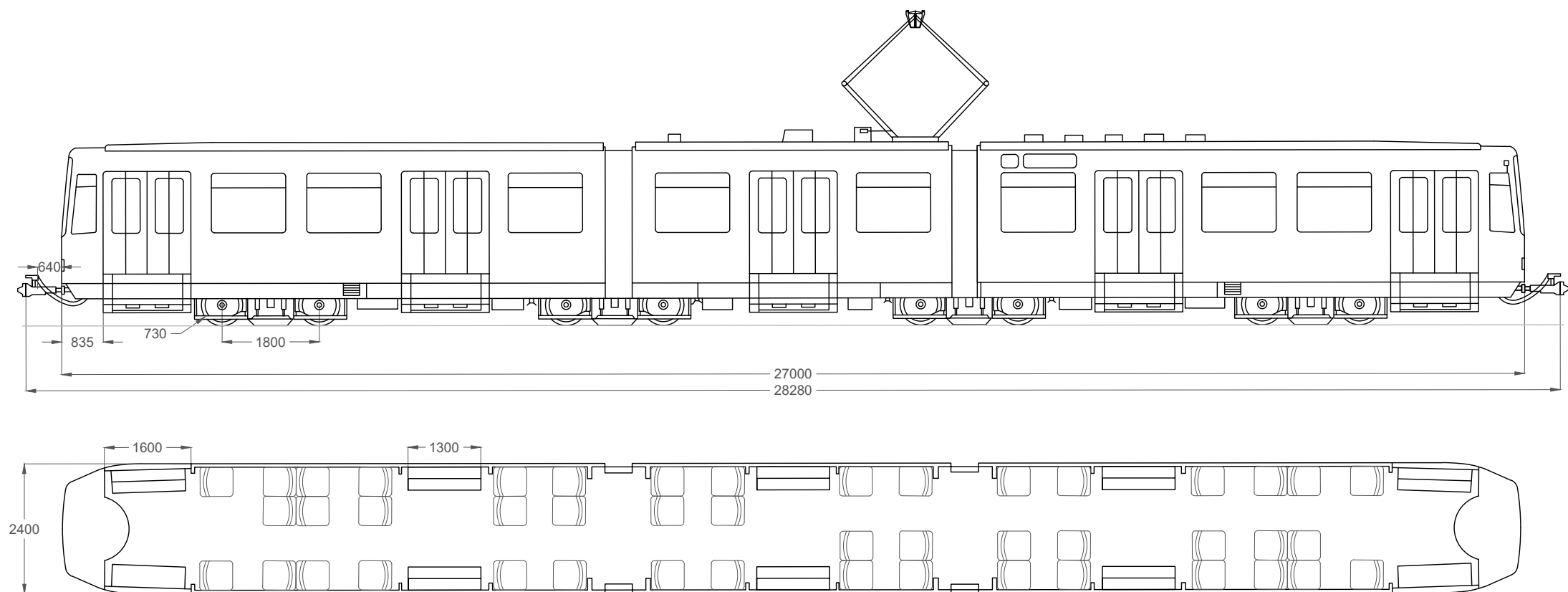
Sugár [m]	1.pont kilógás [m]	2.pont kilógás [m]	3.pont kilógás [m]	4.pont belógás [m]	5.pont kilógás [m]	6.pont kilógás [m]
20	1,678	1,674	1,456	1,545	2,134	1,789
21	1,635	1,645	1,447	1,53	2,102	1,762
22	1,596	1,617	1,439	1,517	2,072	1,738
23	1,56	1,592	1,431	1,505	2,045	1,715
24	1,526	1,568	1,424	1,494	2,02	1,694
25	1,495	1,547	1,418	1,484	1,996	1,674
26	1,467	1,526	1,412	1,474	1,974	1,656
28	1,415	1,49	1,401	1,457	1,934	1,623
30	1,37	1,458	1,391	1,443	1,9	1,594
32	1,33	1,43	1,382	1,43	1,869	1,569
34	1,294	1,405	1,375	1,419	1,842	1,546
35	1,278	1,394	1,371	1,414	1,829	1,536
36	1,262	1,383	1,368	1,409	1,817	1,526
38	1,234	1,363	1,362	1,4	1,795	1,508
40	1,208	1,344	1,356	1,392	1,775	1,491
45	1,153	1,306	1,344	1,375	1,732	1,456
50	1,109	1,274	1,334	1,361	1,697	1,427
60	1,042	1,227	1,319	1,341	1,645	1,384
70	0,994	1,193	1,308	1,327	1,607	1,353
75	0,974	1,179	1,304	1,321	1,592	1,341
80	0,958	1,167	1,3	1,316	1,578	1,329
100	0,906	1,13	1,288	1,301	1,537	1,296
120	0,872	1,106	1,281	1,291	1,51	1,274
150	0,838	1,081	1,273	1,28	1,482	1,251
175	0,818	1,067	1,268	1,275	1,466	1,238
200	0,803	1,057	1,265	1,27	1,454	1,229
250	0,782	1,042	1,26	1,264	1,438	1,215
300	0,769	1,032	1,256	1,26	1,427	1,206
350	0,759	1,025	1,254	1,257	1,418	1,199
400	0,751	1,02	1,252	1,265	1,412	1,195
500	0,741	1,012	1,25	1,252	1,404	1,188
600	0,734	1,007	1,248	1,25	1,398	1,183
750	0,727	1,002	1,247	1,248	1,393	1,178
800	0,725	1,001	1,246	1,248	1,391	1,177
1000	0,72	0,997	1,245	1,246	1,387	1,174
1500	0,713	0,992	1,243	1,244	1,381	1,169
2000	0,709	0,99	1,242	1,243	1,378	1,167
3000	0,706	0,987	1,242	1,242	1,375	1,165



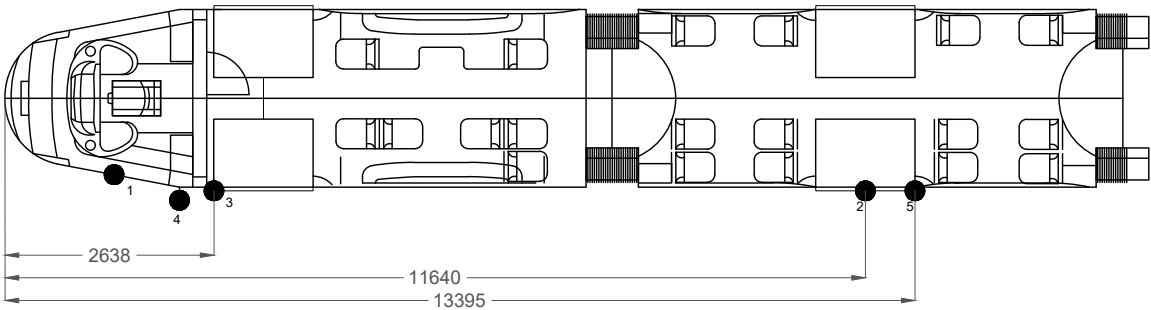
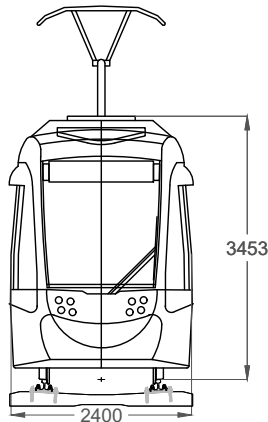
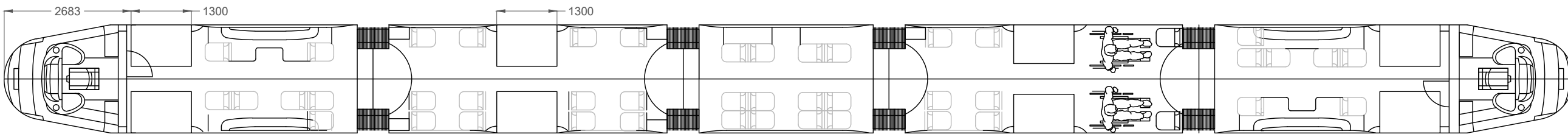
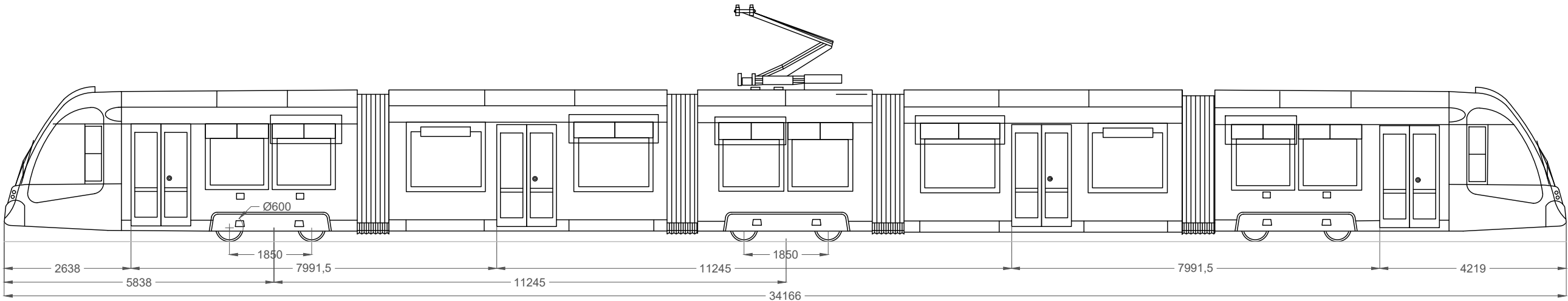
A GANZ CSUKLÓS JÁRMŰ PONTJAINAK TÁVOLSÁGA A VÁGÁNYTENGELYTŐL					
Sugár [m]	1.pont	2.pont	3.pont	4.pont	5.pont
	kilógás [m]	belógás [m]	belógás [m]	belógás [m]	kilógás [m]
20	1,577	1,524	1,399	1,397	2,072
21	1,538	1,497	1,388	1,385	2,04
22	1,501	1,472	1,378	1,374	2,01
23	1,468	1,45	1,37	1,364	1,982
24	1,437	1,43	1,362	1,355	1,957
25	1,408	1,41	1,354	1,347	1,934
26	1,382	1,393	1,347	1,339	1,912
28	1,334	1,361	1,334	1,326	1,872
30	1,292	1,333	1,323	1,314	1,837
32	1,255	1,308	1,313	1,304	1,807
34	1,222	1,286	1,304	1,295	1,779
35	1,207	1,276	1,3	1,29	1,767
36	1,193	1,266	1,295	1,286	1,755
38	1,167	1,248	1,288	1,279	1,733
40	1,143	1,232	1,282	1,273	1,713
45	1,093	1,198	1,268	1,259	1,67
50	1,052	1,171	1,257	1,248	1,635
60	0,99	1,129	1,24	1,232	1,583
70	0,946	1,099	1,227	1,22	1,545
75	0,93	1,087	1,222	1,215	1,53
80	0,913	1,077	1,218	1,211	1,517
100	0,866	1,045	1,205	1,199	1,476
120	0,834	1,023	1,196	1,191	1,449
150	0,802	1,002	1,187	1,183	1,421
175	0,784	0,99	1,182	1,178	1,405
200	0,771	0,98	1,178	1,174	1,394
250	0,752	0,967	1,172	1,17	1,377
300	0,739	0,959	1,168	1,166	1,366
350	0,73	0,952	1,166	1,164	1,358
400	0,723	0,948	1,164	1,163	1,352
500	0,713	0,941	1,161	1,16	1,344
600	0,707	0,937	1,159	1,158	1,338
750	0,701	0,933	1,157	1,157	1,332
800	0,699	0,931	1,157	1,156	1,331
1000	0,694	0,928	1,155	1,155	1,327
1500	0,688	0,924	1,154	1,153	1,321
2000	0,685	0,921	1,153	1,152	1,318
3000	0,681	0,919	1,152	1,152	1,315



A GANZ CSUKLÓS JÁRMŰ PONTJAINAK TÁVOLSÁGA A VÁGÁNYTENGELYTŐL					
Sugár [m]	1.pont	2.pont	3.pont	4.pont	5.pont
	kilógás [m]	kilógás [m]	belógás [m]	belógás [m]	kilógás [m]
20	1,577	1,524	1,399	1,397	2,072
21	1,538	1,497	1,388	1,385	2,04
22	1,501	1,472	1,378	1,374	2,01
23	1,468	1,45	1,37	1,364	1,982
24	1,437	1,43	1,362	1,355	1,957
25	1,408	1,41	1,354	1,347	1,934
26	1,382	1,393	1,347	1,339	1,912
28	1,334	1,361	1,334	1,326	1,872
30	1,292	1,333	1,323	1,314	1,837
32	1,255	1,308	1,313	1,304	1,807
34	1,222	1,286	1,304	1,295	1,779
35	1,207	1,276	1,3	1,29	1,767
36	1,193	1,266	1,295	1,286	1,755
38	1,167	1,248	1,288	1,279	1,733
40	1,143	1,232	1,282	1,273	1,713
45	1,093	1,198	1,268	1,259	1,67
50	1,052	1,171	1,257	1,248	1,635
60	0,99	1,129	1,24	1,232	1,583
70	0,946	1,099	1,227	1,22	1,545
75	0,93	1,087	1,222	1,215	1,53
80	0,913	1,077	1,218	1,211	1,517
100	0,866	1,045	1,205	1,199	1,476
120	0,834	1,023	1,196	1,191	1,449
150	0,802	1,002	1,187	1,183	1,421
175	0,784	0,99	1,182	1,178	1,405
200	0,771	0,98	1,178	1,174	1,394
250	0,752	0,967	1,172	1,17	1,377
300	0,739	0,959	1,168	1,166	1,366
350	0,73	0,952	1,166	1,164	1,358
400	0,723	0,948	1,164	1,163	1,352
500	0,713	0,941	1,161	1,16	1,344
600	0,707	0,937	1,159	1,158	1,338
750	0,701	0,933	1,157	1,157	1,332
800	0,699	0,931	1,157	1,156	1,331
1000	0,694	0,928	1,155	1,155	1,327
1500	0,688	0,924	1,154	1,153	1,321
2000	0,685	0,921	1,153	1,152	1,318
3000	0,681	0,919	1,152	1,152	1,315

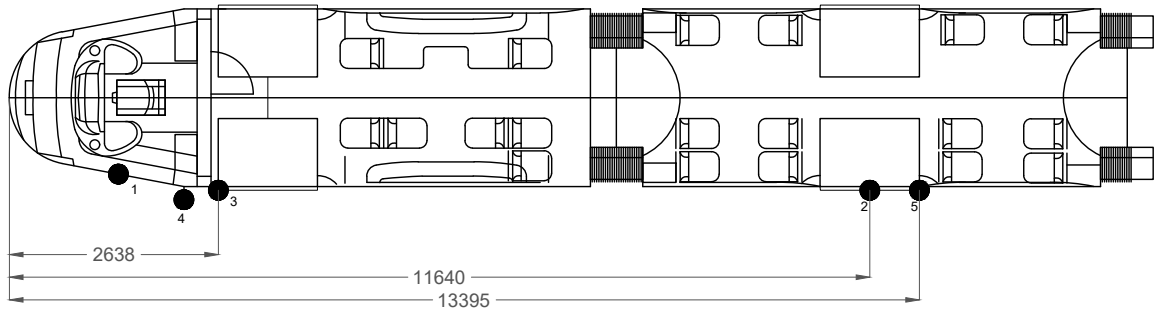
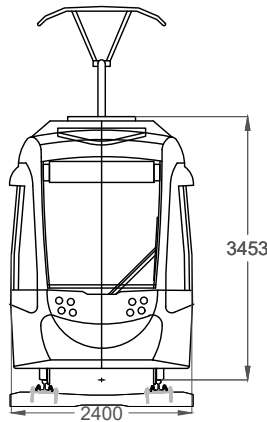
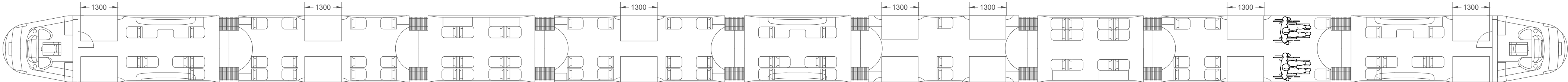
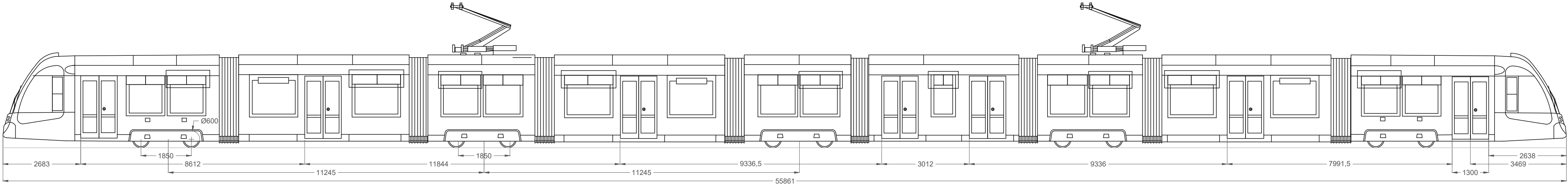


Sugár [m]	1. pont	2. pont	3. pont	4. pont	5. pont
	kilógás [m]		belógás [m]	kilógás [m]	
18	1,796	1,849	1,665	1,516	2,105
19	1,75	1,816	1,644	1,499	2,068
20	1,708	1,786	1,624	1,484	2,034
21	1,669	1,758	1,606	1,471	2,002
22	1,634	1,733	1,59	1,459	1,974
23	1,601	1,709	1,574	1,448	1,947
25	1,543	1,667	1,547	1,428	1,9
27	1,493	1,631	1,523	1,412	1,859
30	1,43	1,586	1,493	1,391	1,808
35	1,347	1,526	1,454	1,365	1,74
40	1,284	1,481	1,424	1,345	1,687
50	1,194	1,415	1,381	1,317	1,613
60	1,134	1,371	1,352	1,299	1,563
70	1,09	1,339	1,331	1,286	1,526
80	1,057	1,307	1,323	1,276	1,499
100	1,011	1,273	1,3	1,262	1,46
120	0,979	1,25	1,285	1,253	1,433
150	0,948	1,227	1,27	1,244	1,409
200	0,917	1,204	1,255	1,235	1,381
300	0,885	1,181	1,239	1,225	1,354
400	0,87	1,169	1,231	1,221	1,341
500	0,86	1,162	1,227	1,218	1,332
700	0,849	1,154	1,221	1,215	1,325
1000	0,841	1,148	1,217	1,213	1,316



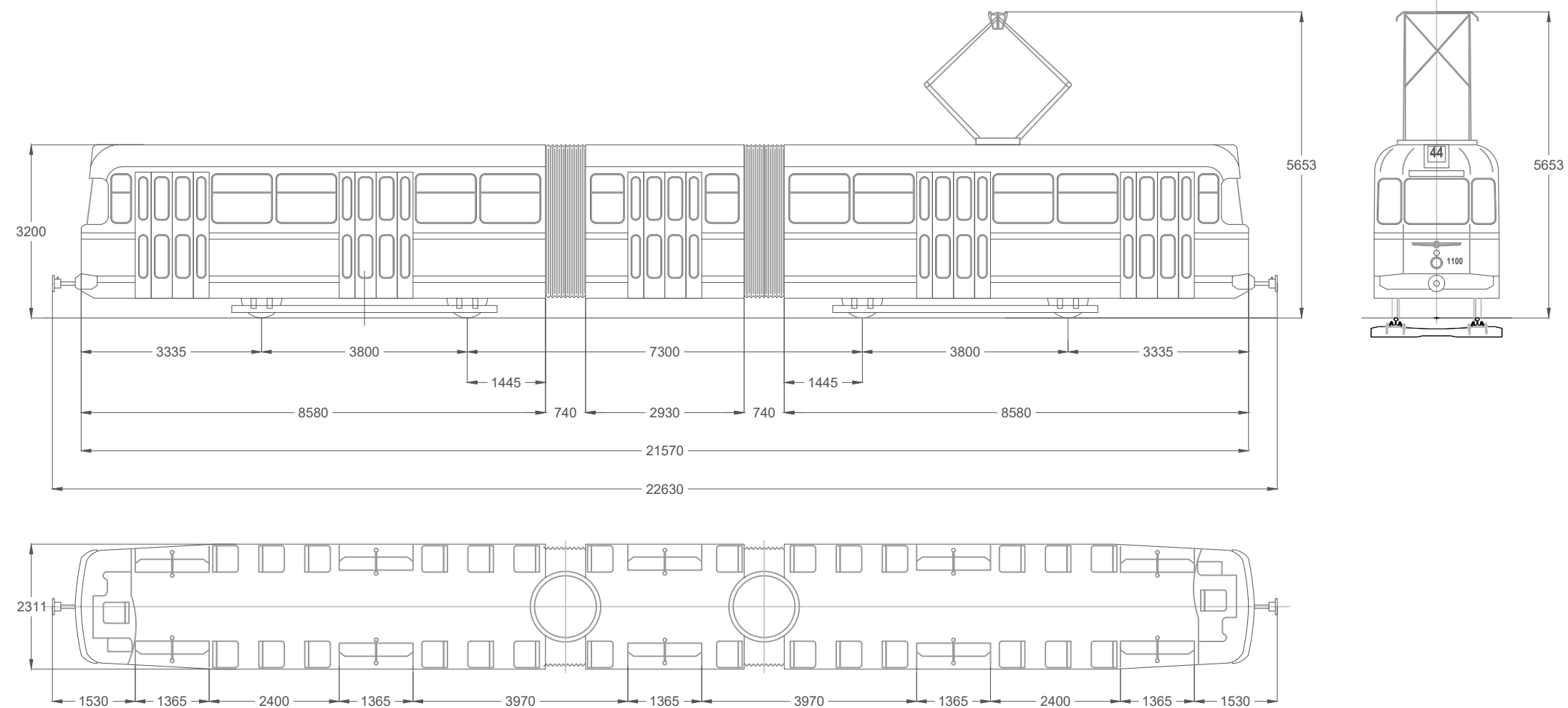
- 1 J rm  oldalfal kil g s
- 2 J rm  oldalfal kil g s
- 3 Kabin l pcs 
- 4 H ts  kamera
- 5 L pcs 

STATIKUS BURKOL�K�REI (v�g�nytengelyt�l m�rt t�vols�g [m])					Sug�r [m]	DINAMIKUS BURKOL�K�REI (v�g�nytengelyt�l m�rt t�vols�g [m])				
CAF (1)	CAF (2)	CAF (3)	CAF (4)	CAF (5)		CAF (1)	CAF (2)	CAF (3)	CAF (4)	CAF (5)
1,623	1,379	1,653	1,643	1,409	20	1,772	1,494	1,772	1,801	1,494
1,589	1,370	1,619	1,609	1,400	21	1,738	1,486	1,738	1,768	1,486
1,558	1,362	1,588	1,578	1,392	22	1,707	1,478	1,707	1,736	1,478
1,528	1,355	1,558	1,548	1,385	23	1,678	1,471	1,678	1,707	1,471
1,502	1,349	1,532	1,522	1,379	24	1,651	1,464	1,651	1,680	1,464
1,478	1,343	1,508	1,498	1,373	25	1,627	1,458	1,627	1,656	1,458
1,456	1,337	1,486	1,476	1,367	26	1,605	1,453	1,605	1,634	1,453
1,417	1,327	1,447	1,437	1,357	28	1,566	1,443	1,566	1,596	1,443
1,379	1,319	1,409	1,399	1,349	30	1,528	1,435	1,528	1,557	1,435
1,367	1,311	1,397	1,387	1,341	32	1,517	1,427	1,517	1,546	1,427
1,358	1,305	1,388	1,378	1,335	34	1,507	1,421	1,507	1,536	1,421
1,353	1,302	1,383	1,373	1,332	35	1,502	1,418	1,502	1,532	1,418
1,349	1,299	1,379	1,369	1,329	36	1,498	1,415	1,498	1,527	1,415
1,341	1,294	1,371	1,361	1,324	38	1,490	1,410	1,490	1,520	1,410
1,334	1,289	1,364	1,354	1,319	40	1,483	1,405	1,483	1,513	1,405
1,318	1,279	1,348	1,339	1,309	45	1,469	1,395	1,469	1,498	1,395
1,307	1,271	1,337	1,327	1,301	50	1,457	1,387	1,457	1,486	1,387
1,290	1,259	1,320	1,310	1,289	60	1,439	1,375	1,439	1,468	1,375
1,277	1,251	1,307	1,297	1,281	70	1,424	1,366	1,424	1,454	1,366
1,267	1,245	1,297	1,287	1,275	80	1,413	1,358	1,413	1,442	1,358
1,254	1,236	1,284	1,274	1,266	100	1,396	1,347	1,396	1,425	1,347
1,243	1,228	1,273	1,263	1,258	120	1,383	1,339	1,383	1,412	1,339
1,236	1,224	1,266	1,256	1,254	150	1,375	1,333	1,375	1,404	1,333
1,231	1,220	1,261	1,251	1,250	175	1,367	1,328	1,367	1,397	1,328
1,227	1,218	1,257	1,247	1,248	200	1,361	1,324	1,361	1,391	1,324
1,221	1,214	1,251	1,241	1,244	250	1,356	1,321	1,356	1,385	1,321
1,218	1,212	1,248	1,238	1,242	300	1,351	1,318	1,351	1,381	1,318
1,215	1,210	1,245	1,235	1,240	350	1,347	1,316	1,347	1,376	1,316
1,213	1,209	1,243	1,233	1,239	400	1,343	1,316	1,343	1,372	1,316
1,211	1,207	1,241	1,231	1,237	500	1,336	1,315	1,336	1,366	1,315
1,209	1,206	1,239	1,229	1,236	600	1,336	1,318	1,336	1,365	1,318
1,207	1,204	1,237	1,227	1,234	800	1,337	1,323	1,337	1,366	1,323
1,205	1,204	1,235	1,225	1,234	1000	1,324	1,313	1,324	1,353	1,313
1,204	1,202	1,234	1,224	1,232	1500	1,322	1,314	1,322	1,351	1,314
1,203	1,202	1,233	1,223	1,232	2000	1,320	1,315	1,320	1,350	1,315
1,202	1,201	1,232	1,222	1,231	3000	1,314	1,311	1,314	1,343	1,311

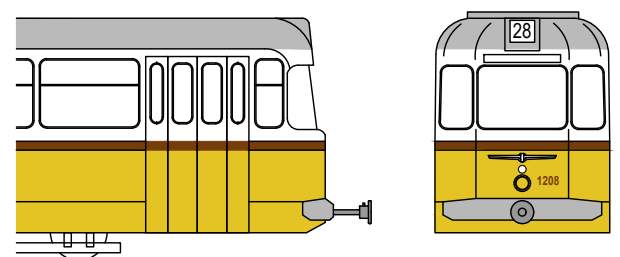


- 1 Jármű oldalfal kilógás
- 2 Jármű oldalfal kilógás
- 3 Kabin lépcső
- 4 Hátsó kamera
- 5 Lépcső

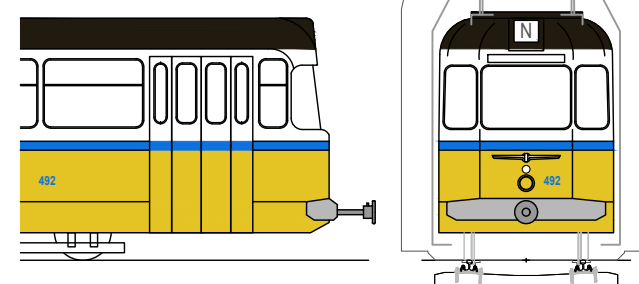
STATIKUS BURKOLÓKÖREI (vágánytengelytől mért távolság [m])					Sugár [m]	DINAMIKUS BURKOLÓKÖREI (vágánytengelytől mért távolság [m])				
CAF (1)	CAF (2)	CAF (3)	CAF (4)	CAF (5)		CAF (1)	CAF (2)	CAF (3)	CAF (4)	CAF (5)
1,623	1,379	1,653	1,643	1,409	20	1,772	1,494	1,772	1,801	1,494
1,589	1,370	1,619	1,609	1,400	21	1,738	1,486	1,738	1,768	1,486
1,558	1,362	1,588	1,578	1,392	22	1,707	1,478	1,707	1,736	1,478
1,528	1,355	1,558	1,548	1,385	23	1,678	1,471	1,678	1,707	1,471
1,502	1,349	1,532	1,522	1,379	24	1,651	1,464	1,651	1,680	1,464
1,478	1,343	1,508	1,498	1,373	25	1,627	1,458	1,627	1,656	1,458
1,456	1,337	1,486	1,476	1,367	26	1,605	1,453	1,605	1,634	1,453
1,417	1,327	1,447	1,437	1,357	28	1,566	1,443	1,566	1,596	1,443
1,379	1,319	1,409	1,399	1,349	30	1,528	1,435	1,528	1,557	1,435
1,367	1,311	1,397	1,387	1,341	32	1,517	1,427	1,517	1,546	1,427
1,358	1,305	1,388	1,378	1,335	34	1,507	1,421	1,507	1,536	1,421
1,353	1,302	1,383	1,373	1,332	35	1,502	1,418	1,502	1,532	1,418
1,349	1,299	1,379	1,369	1,329	36	1,498	1,415	1,498	1,527	1,415
1,341	1,294	1,371	1,361	1,324	38	1,490	1,410	1,490	1,520	1,410
1,334	1,289	1,364	1,354	1,319	40	1,483	1,405	1,483	1,513	1,405
1,318	1,279	1,348	1,339	1,309	45	1,469	1,395	1,469	1,498	1,395
1,307	1,271	1,337	1,327	1,301	50	1,457	1,387	1,457	1,486	1,387
1,290	1,259	1,320	1,310	1,289	60	1,439	1,375	1,439	1,468	1,375
1,277	1,251	1,307	1,297	1,281	70	1,424	1,366	1,424	1,454	1,366
1,267	1,245	1,297	1,287	1,275	80	1,413	1,358	1,413	1,442	1,358
1,254	1,236	1,284	1,274	1,266	100	1,396	1,347	1,396	1,425	1,347
1,243	1,228	1,273	1,263	1,258	120	1,383	1,339	1,383	1,412	1,339
1,236	1,224	1,266	1,256	1,254	150	1,375	1,333	1,375	1,404	1,333
1,231	1,220	1,261	1,251	1,250	175	1,367	1,328	1,367	1,397	1,328
1,227	1,218	1,257	1,247	1,248	200	1,361	1,324	1,361	1,391	1,324
1,221	1,214	1,251	1,241	1,244	250	1,356	1,321	1,356	1,385	1,321
1,218	1,212	1,248	1,238	1,242	300	1,351	1,318	1,351	1,381	1,318
1,215	1,210	1,245	1,235	1,240	350	1,347	1,316	1,347	1,376	1,316
1,213	1,209	1,243	1,233	1,239	400	1,343	1,316	1,343	1,372	1,316
1,211	1,207	1,241	1,231	1,237	500	1,336	1,315	1,336	1,366	1,315
1,209	1,206	1,239	1,229	1,236	600	1,336	1,318	1,336	1,365	1,318
1,207	1,204	1,237	1,227	1,234	800	1,337	1,323	1,337	1,366	1,323
1,205	1,204	1,235	1,225	1,234	1000	1,324	1,313	1,324	1,353	1,313
1,204	1,202	1,234	1,224	1,232	1500	1,322	1,314	1,322	1,351	1,314
1,203	1,202	1,233	1,223	1,232	2000	1,320	1,315	1,320	1,350	1,315
1,202	1,201	1,232	1,222	1,231	3000	1,314	1,311	1,314	1,343	1,311



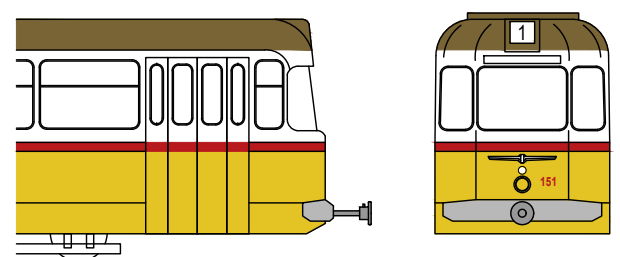
492 pályaszámmal nosztalgia villamusként közlekedik.
(Baross kocsiszín adja ki)



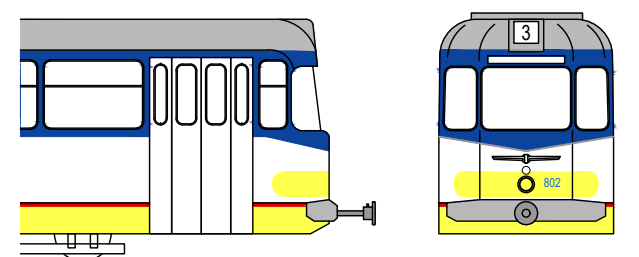
Budapest



Debrecen



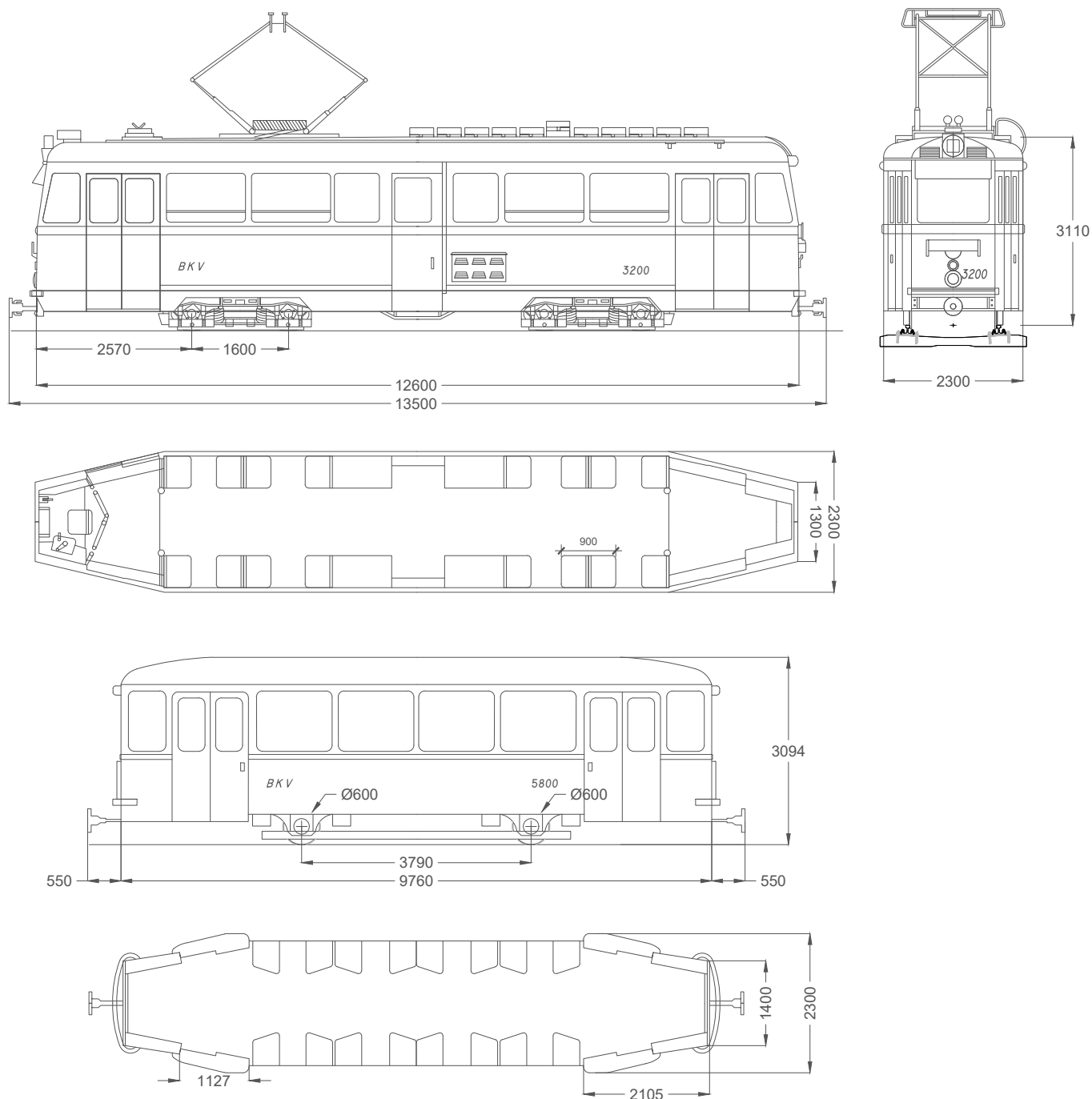
Miskolc



Szeged

NOSZTALGIA

FWV CsM-4
(tízajtós Bengáli)
M=1:100

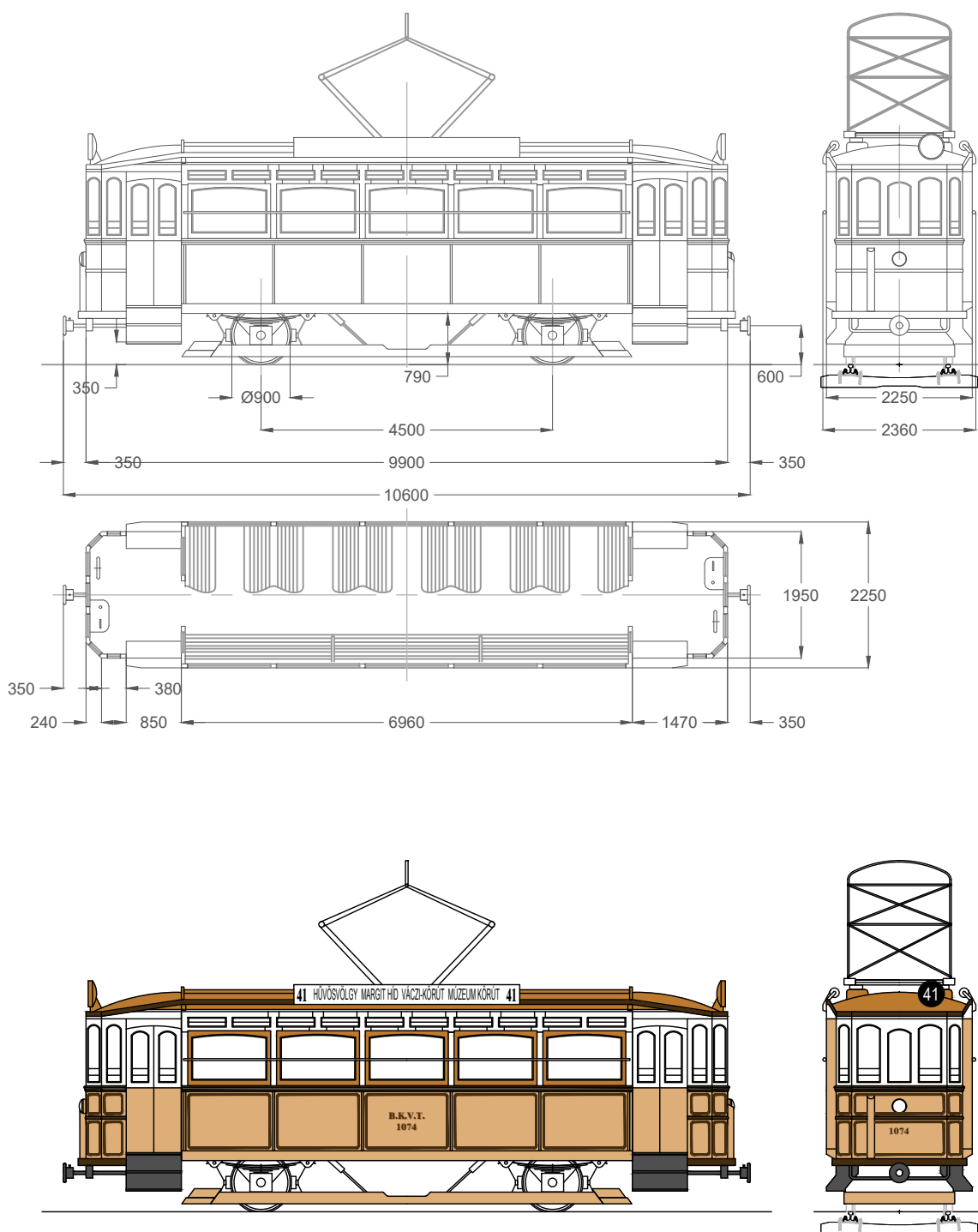


NOSZTALGIA

3200 típusú nosztalgia jármű

5800 típusú nosztalgia mellékkocsi

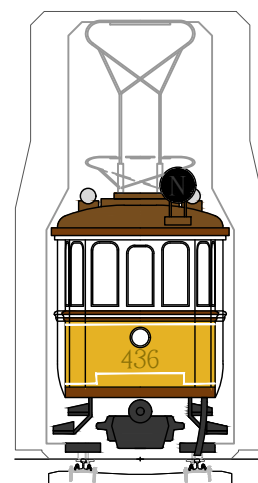
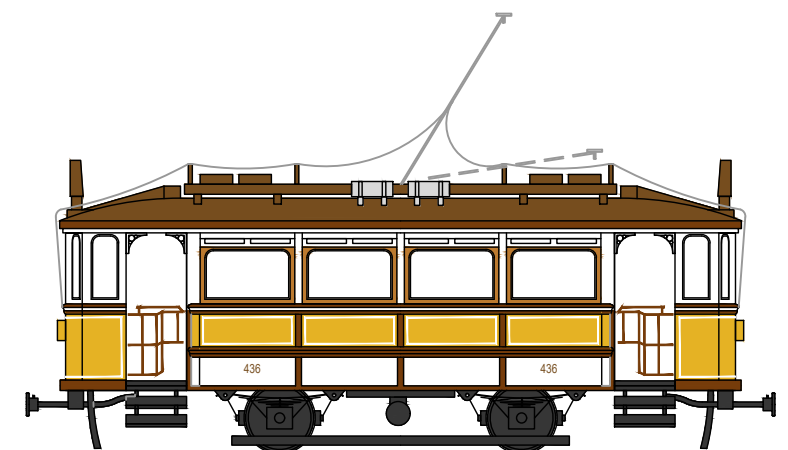
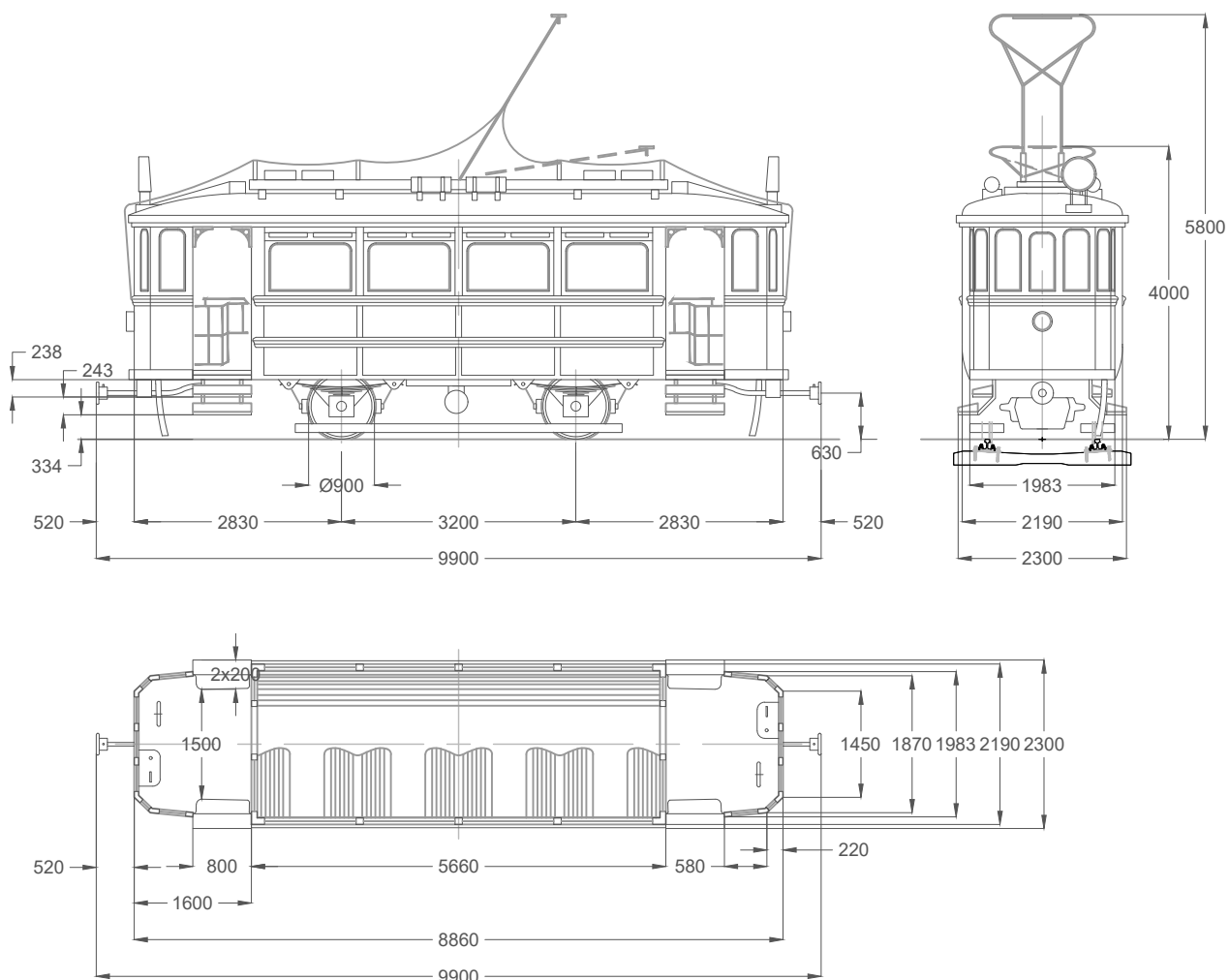
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NOSZTALGIA

BKVT "V" típusú nosztalgia jármű
(készült: 1912, Ganz, Bp.) pályaszám: 1074

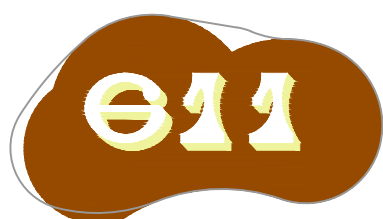
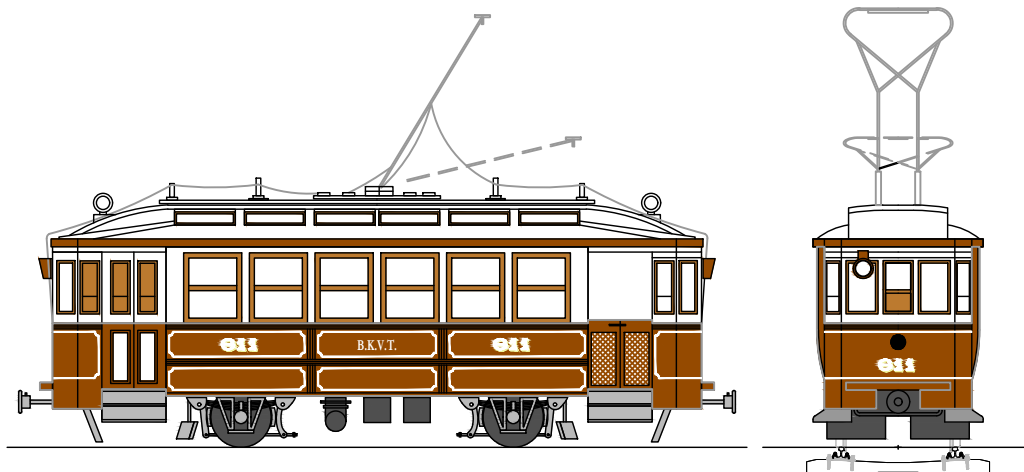
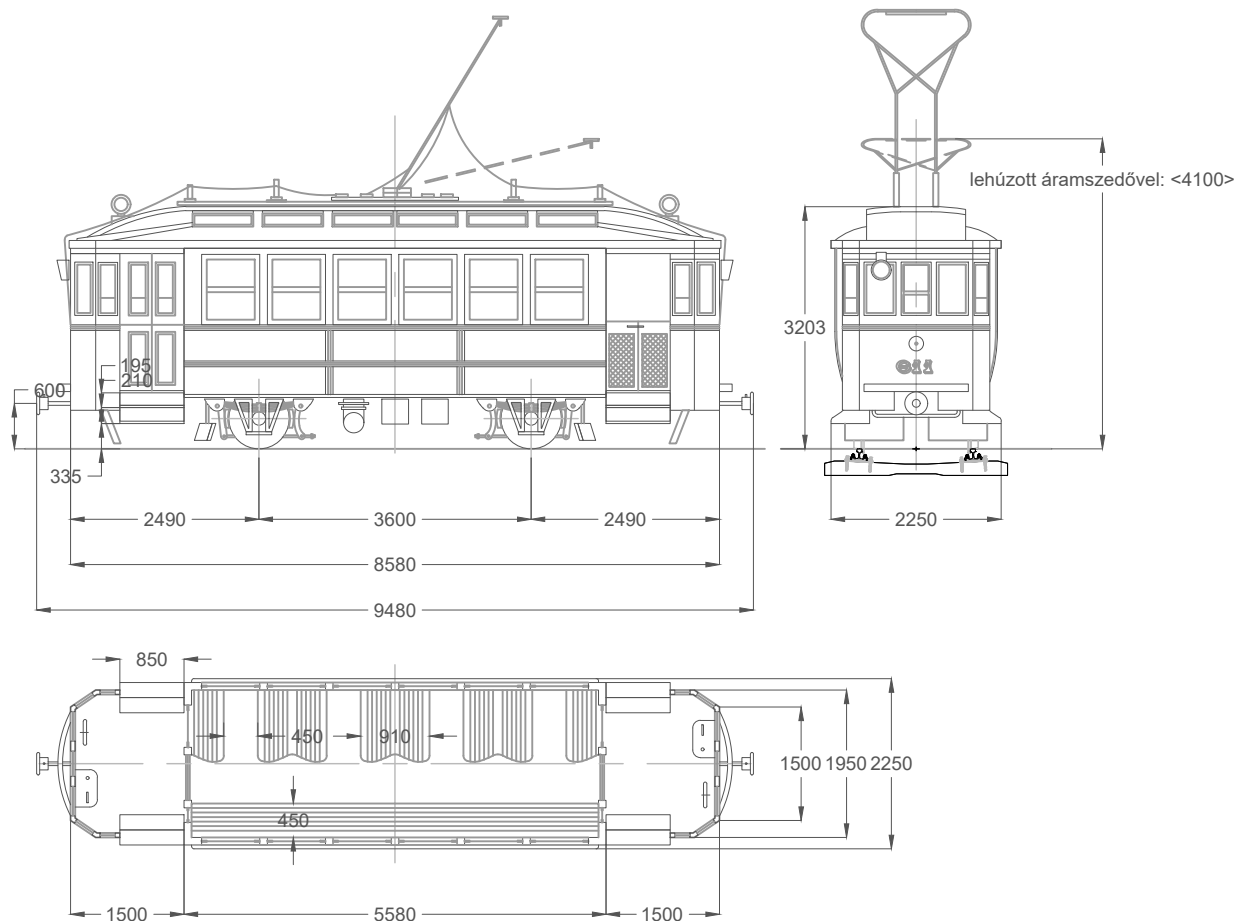
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NOSZTALGIA

BWV "L" típusú nosztalgia jármű
(készült: 1913, Bp.) pályaszám: 436

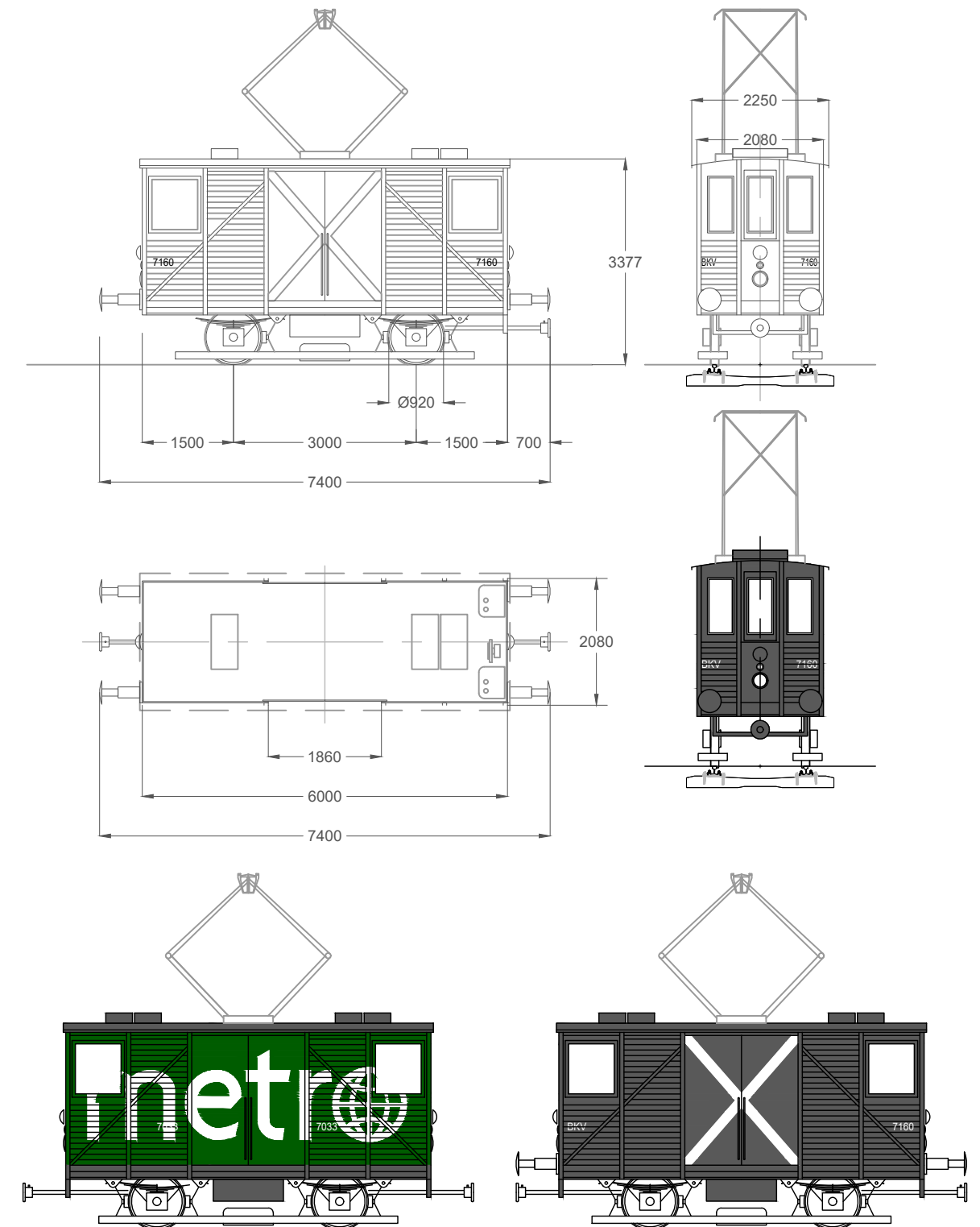
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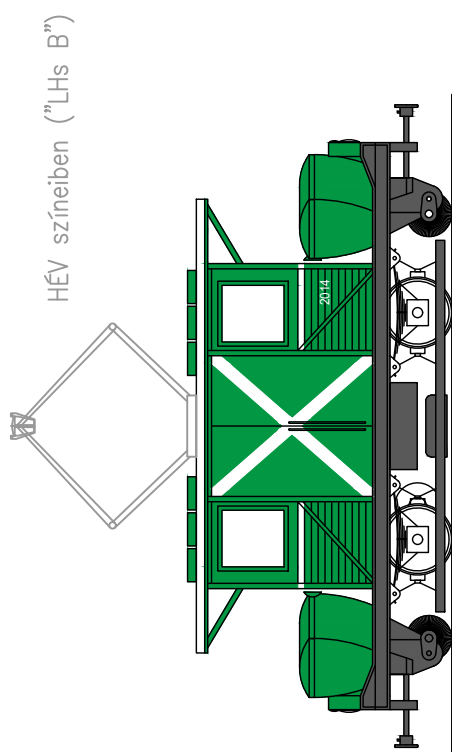
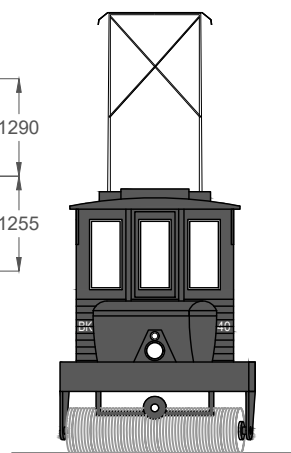
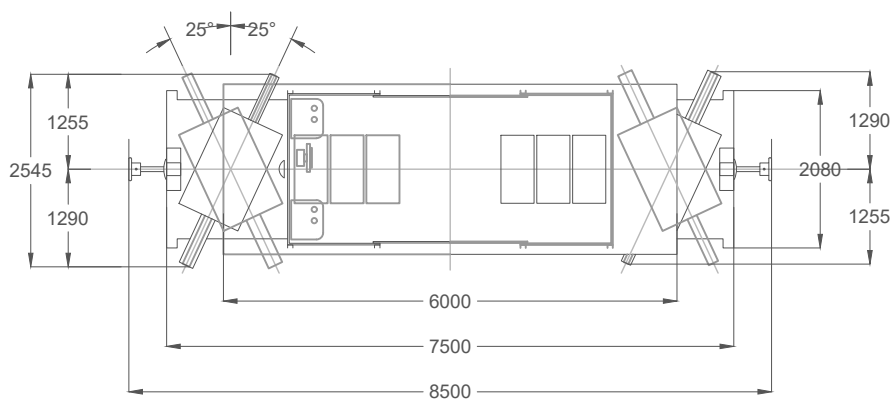
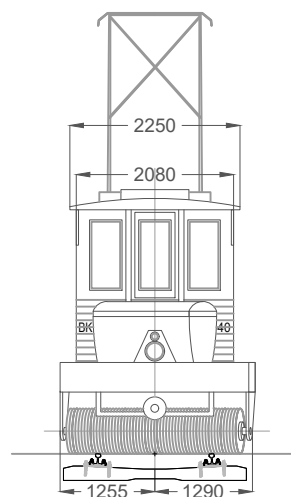
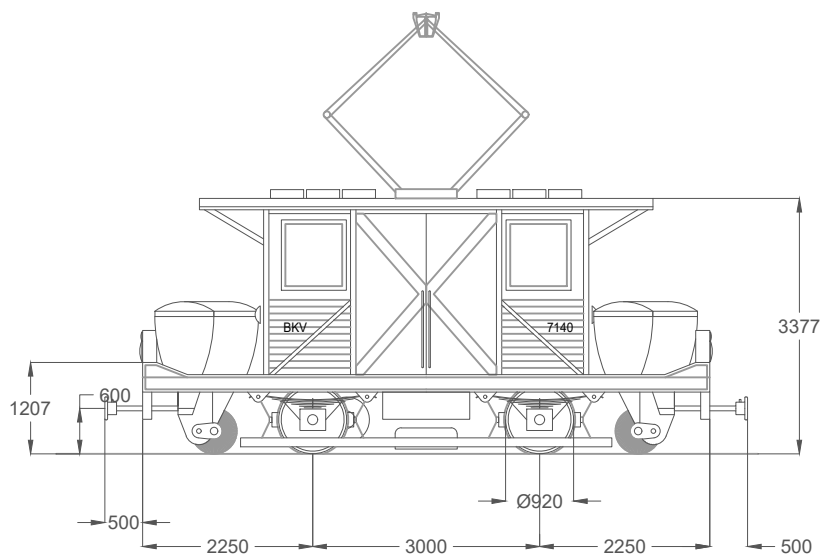
NOSZTALGIA

BKVT "S" típusú nosztalgia jármű
(készült: 1908, Bp.) pályaszám: 611

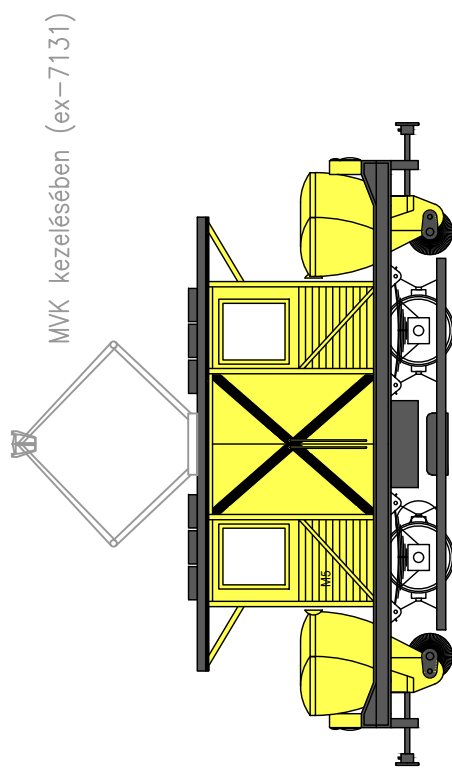
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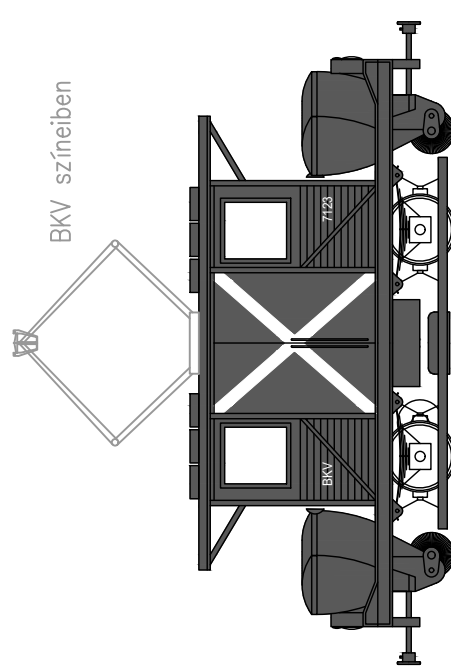
Tehermozdony
M=1:100



HÉV színeiben ("LHs B")



MVK kezelésében (ex-7131)



BKV színeiben

Hőseprő mozdony
M=1:100