BANEDANMARK

TIB-S

Strækningsoversigter

TIB-S

Nummeret på sidste indsatte rettelsesblad

1 4	5 72	73 77	78 79	80 81	82 83	84 89	90 91	92 95	96 102
103 109	110 117	118 119	120	121 127	128 129	130 131	132 133	134 135	136 137
138 139	140 347	348	349 352	353 368	369 370	371	372	373 422	423 441
442 443	444 453	454 460	461 462	463	464 477	478 490	491 494	495 507	508 509
510	511 520	521 522	523 527	528 529	530 543	544	545	546 549	550
551 552	553 554	555 560	561 578	579 588	589 598	599 602	603 610	611 614	615
616 620	621	622 625	626 629	630	631 636	637 639	640 641	642 650	651 669
670 680	681 683	684 690	691 692	693 695	696 697	698 703	704 707	708 711	712 717
718 723	724	725 727	728 732	733 734	735 737	738	739 746	747 771	772 773
774 779	780 781	782 793	794 795	796 797	798 800	801 803	804 805	806 814	815 819
820 821	822	823 824	825 828	829 830	831 832	833 875	876 913	914 936	937 971
972 1013	1014 1068	1069 1077	1078 1082	1083 1084	1085	1086 1087	1088 1128	1129 1132	1133 1135
1136 1139	1140 1155	1156 1170	1171 1180	1181 1185	1186 1197	1198 1217	1218 1253	1254	1255 1257
1258 1262	1263 1264	1265	1266 1269	1270 1276	1277 1280	1281 1285	1286	1287 1288	1289 1297
1298 1301	1302 1303	1304	1305 1306	1307 1308	1309 1323	1324 1327	1328	1329 1330	1331 1332
1333	1334 1339	1340	1341 1344	1345	1346 1348	1349 1350	1351 1361	1362 1369	1370 1376
1377 1378	1379	1380 1381	1382 1385	1386 1414	1415	1416 1420	1421 1422	1423 1424	1425
1426 1493	1494 1495	1496 1502	1503	1504 1516	1517 1519	1520 1531	1532 1533	1534 1535	1536
1537 1544	1545 1546	1547 1551	1552 1559	1560 1564	1565 1575	1576 1577	1578 1579	1580 1581	1582 1590
1591 1592	1593 1594	1595	1596	1597 1602	1603 1608	1609 1618	1619 1624	1625 1633	1634

1635 1636	1637	1638 1645	1646 1653	1654 1659	1660 1664	1665 1666	1667 1675	1676	1677 1678
1679 1680	1681 1688	1689 1690	1691 1700	1701 1705	1706 1730	1731 1732	1733 1734	1735 1736	1737 1738
1739	1740 1744	1745 1748	1749 1757	1758	1759 1803	1804 1809	1810 1816	1817	1818 1820
1821 1843	1844 1852	1853 1856	1857 1865	1866 1867	1868 1873	1874 1880	1881 1882	1883 1886	1887 1892
1893 1899	1900 1909	1910 1918	1919 1922	1923 1930	1931 1932	1933 1935	1936 1941	1942	1943
1944 1945	1946 1947	1948 1963	1964 1965	1966 1967	1968 1969	1970	1971 1991	1992 2014	2015 2034
2035 2073	2074 2076	2077 2078	2079 2088	2089 2092	2093 2094	2095 2108	2109 2130	2131 2143	2144
2145 2146	2147 2150	2151 2169	2170 2171	2172 2177	2178	2179 2181	2182 2183	2184 2195	2196 2199
2200 2201	2202 2204	2205 2208	2209 2210	2211 2212	2213 2214	2215	2216 2229	2230 2256	2257 2277
2278 2280	2281 2287	2288 2292	2293 2295	2296 2306	2307 2310	2311 2314	2315 2324	2325 2333	2334 2342
2343 2346	2347	2348	2349 2350	2351 2352	2353 2355	2356	2357		

TIB-S udgives af:

Banedanmark
Kvalitet & Sikkerhed
Carsten Niebuhrs Gade 43
1577 København V
E-mail: trafikaleregler@bane.dk

Gældende reglementer samt oversigt over sidst udsendte rettelsesblad kan ses på www.bane.dk.

Dette er et elektronisk dokument. I tilfælde af uoverensstemmelse(r) mellem en papirkopi af dokumentet og det originale elektroniske dokument, er det til enhver tid den elektroniske udgave, som er gyldig. Et elektronisk dokument forudsættes vist på et korrekt indstillet medie uden farvefejl. Den gyldige elektroniske version kan altid findes på www.bane.dk

Indholdsfortegnelse

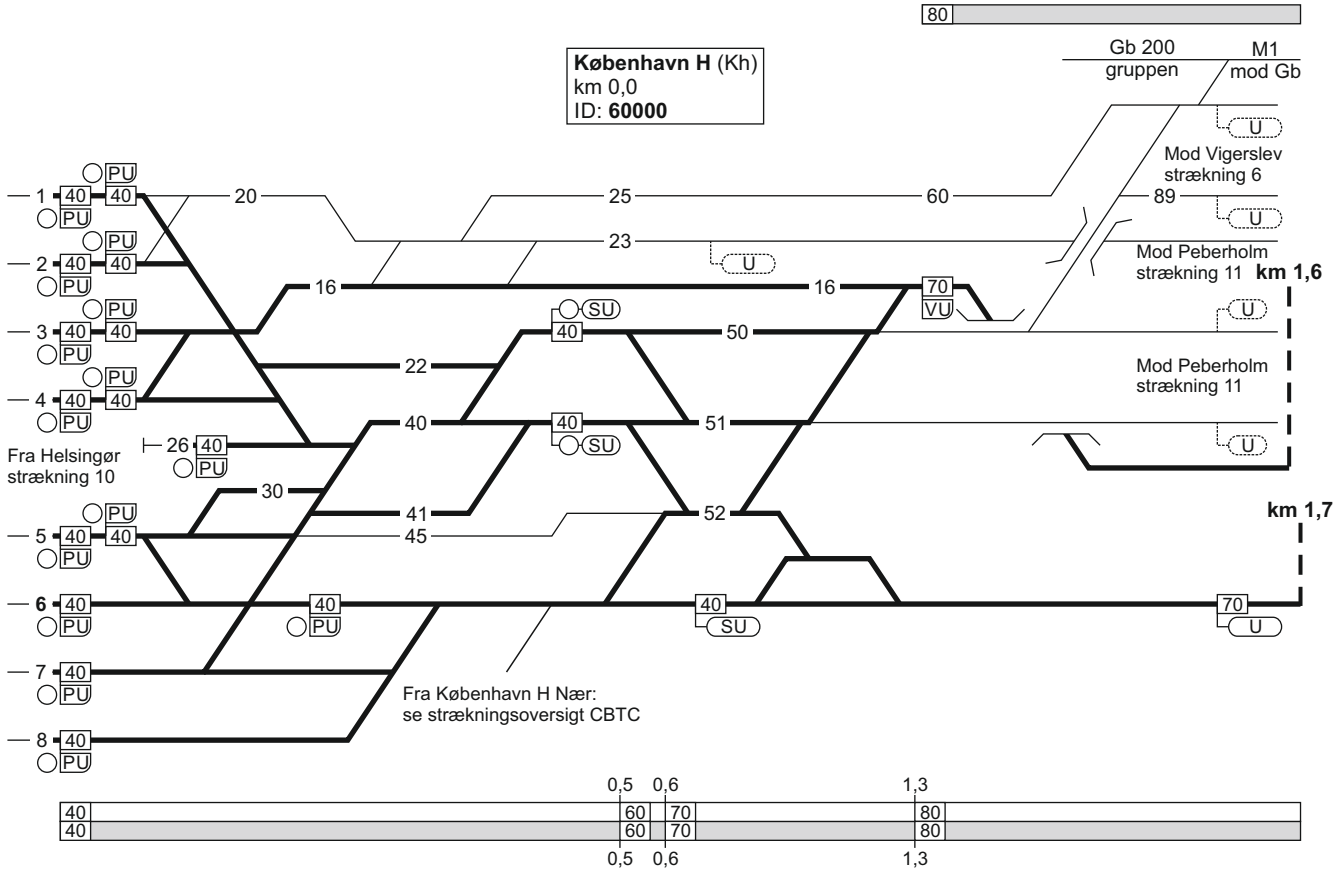
		Side
Strækning 1.	København H - Fredericia/Taulov	11
Strækning 2.	Ringsted - (Lundby)	91
Strækning 4.	Roskilde - (Gadstrup) og (Holme-Olstrup) - Næstved	131
Strækning 5.	Roskilde - Kalundborg	151
Strækning 6.	København H - Vigerslev - (Avedøre Havnevej) og (Bjæverskov) - Ringsted	181
Strækning 7.	(Svanemøllen) - Østerport	211
Strækning 10.	København H - Helsingør	381
Strækning 11.	København H/Hvidovre Fjern - Peberholm	411
Strækning 21.	Odense - Svendborg	441
Strækning 23.	Fredericia - Aarhus H	461
Strækning 24.	Aarhus H - Aalborg	491
Strækning 25.	Aalborg - (Sulsted)	521
Strækning 26.	Fredericia - Padborg	541
Strækning 28.	Sønderborg - Tinglev	601
Strækning 29.	Lunderskov - Esbjerg	621
Strækning 30.	Bramming - Tønder Grænse	641
Strækning 31.	Esbjerg - (Guldager)	661
Strækning 32.	Langå - (Ulstrup)	691
Strækning 33.	(Grejsdal) - Vejle	721
Strækning 35.	Skanderborg - (Skjern)	771
Strækning 52.	Lindholm - Aalborg Lufthavn	801

1. København H - Fredericia / Taulov

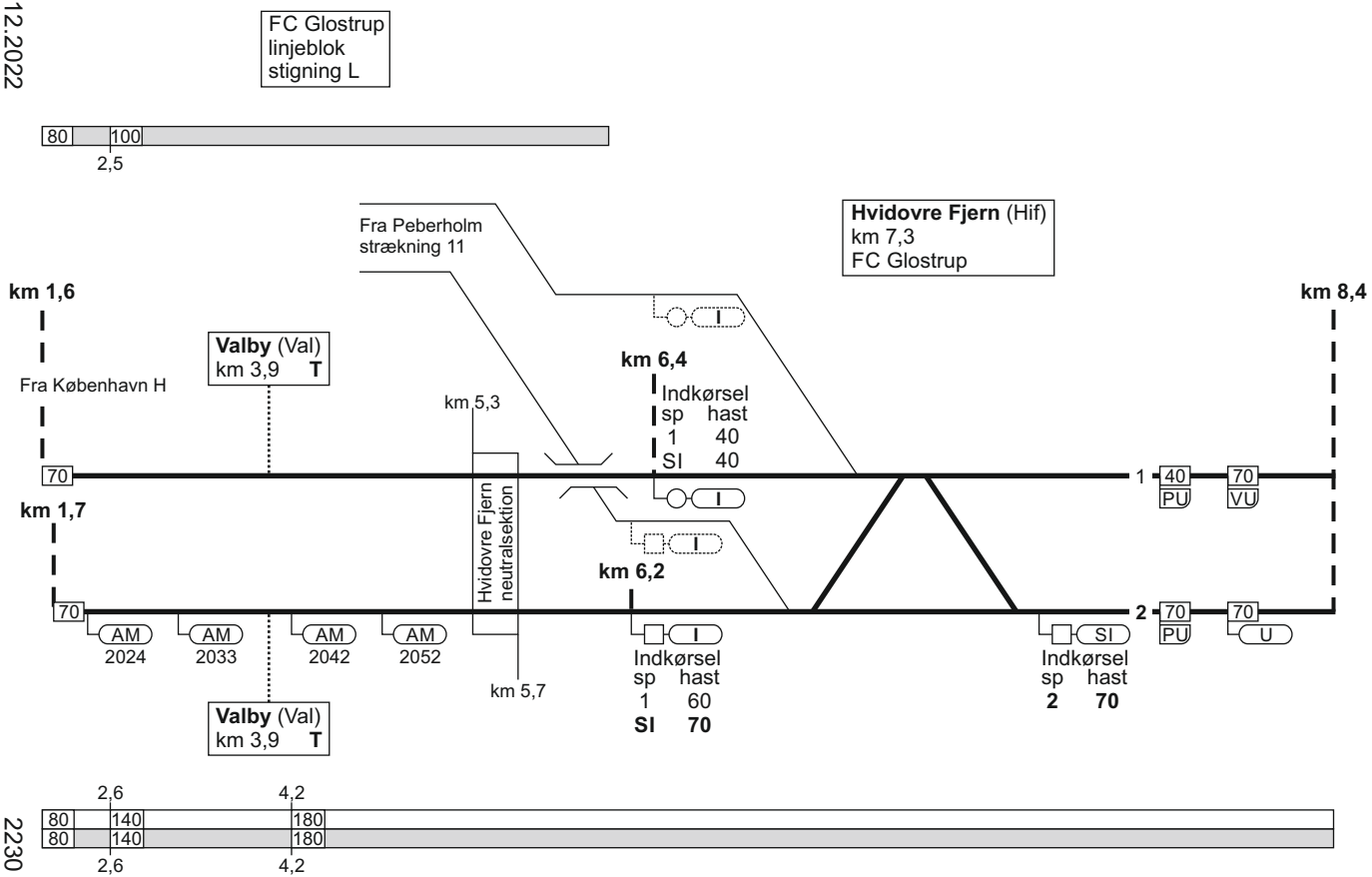
Strækningshastighed:

Delstrækning	Strækningshastighed (km/t)
København H - Fredericia/Taulov	180

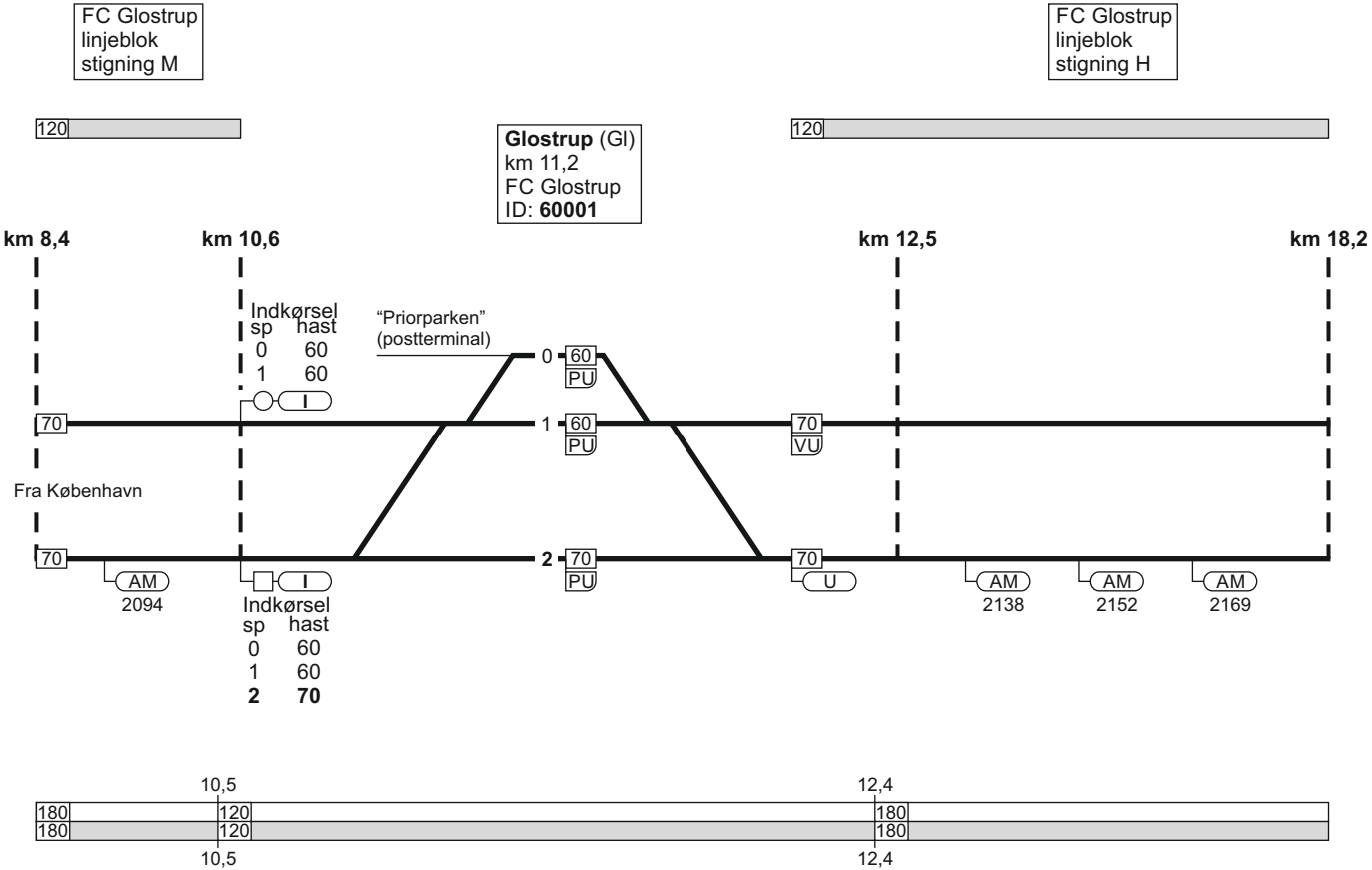
1. København H - Fredericia / Taulov



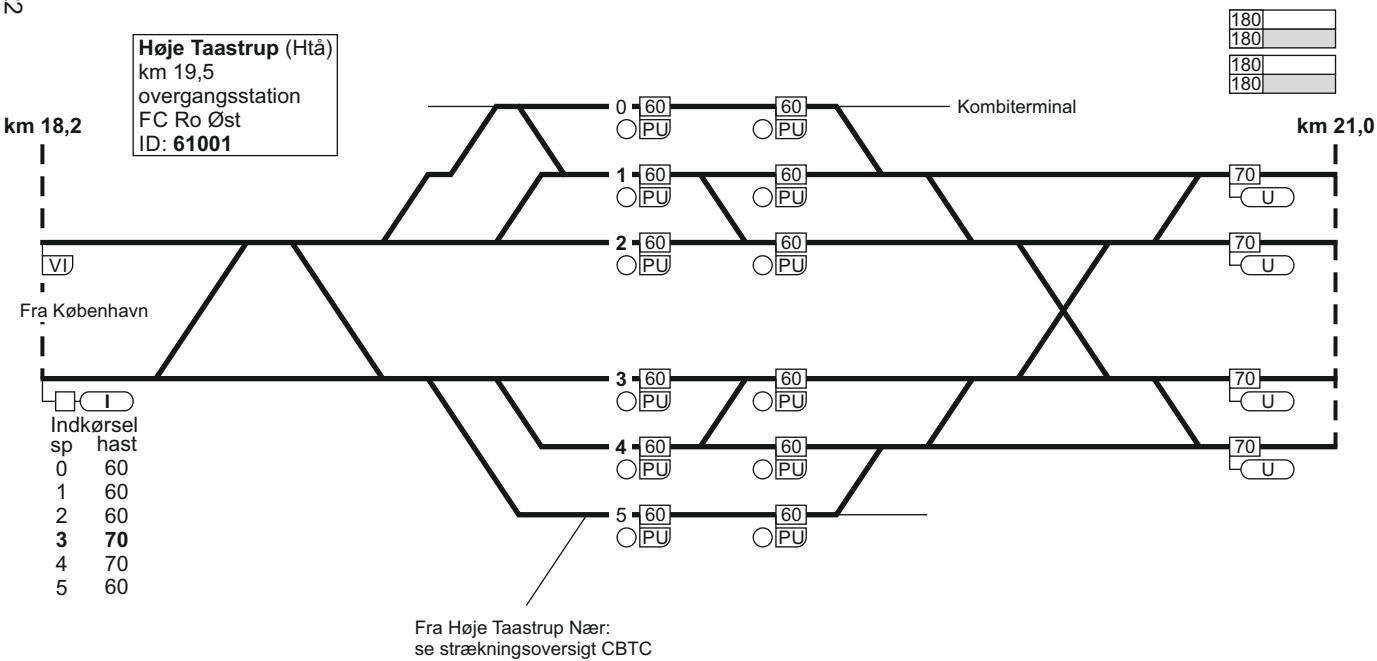
1. København H - Fredericia / Taulov

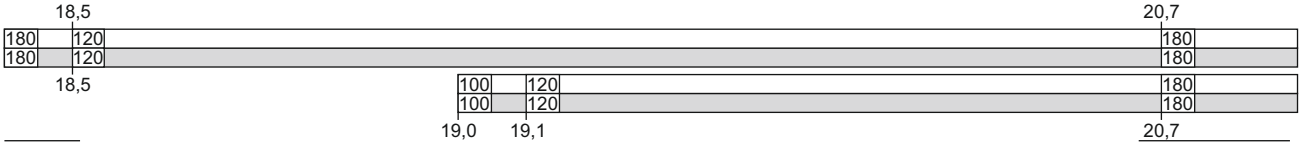


1. København H - Fredericia / Taulov

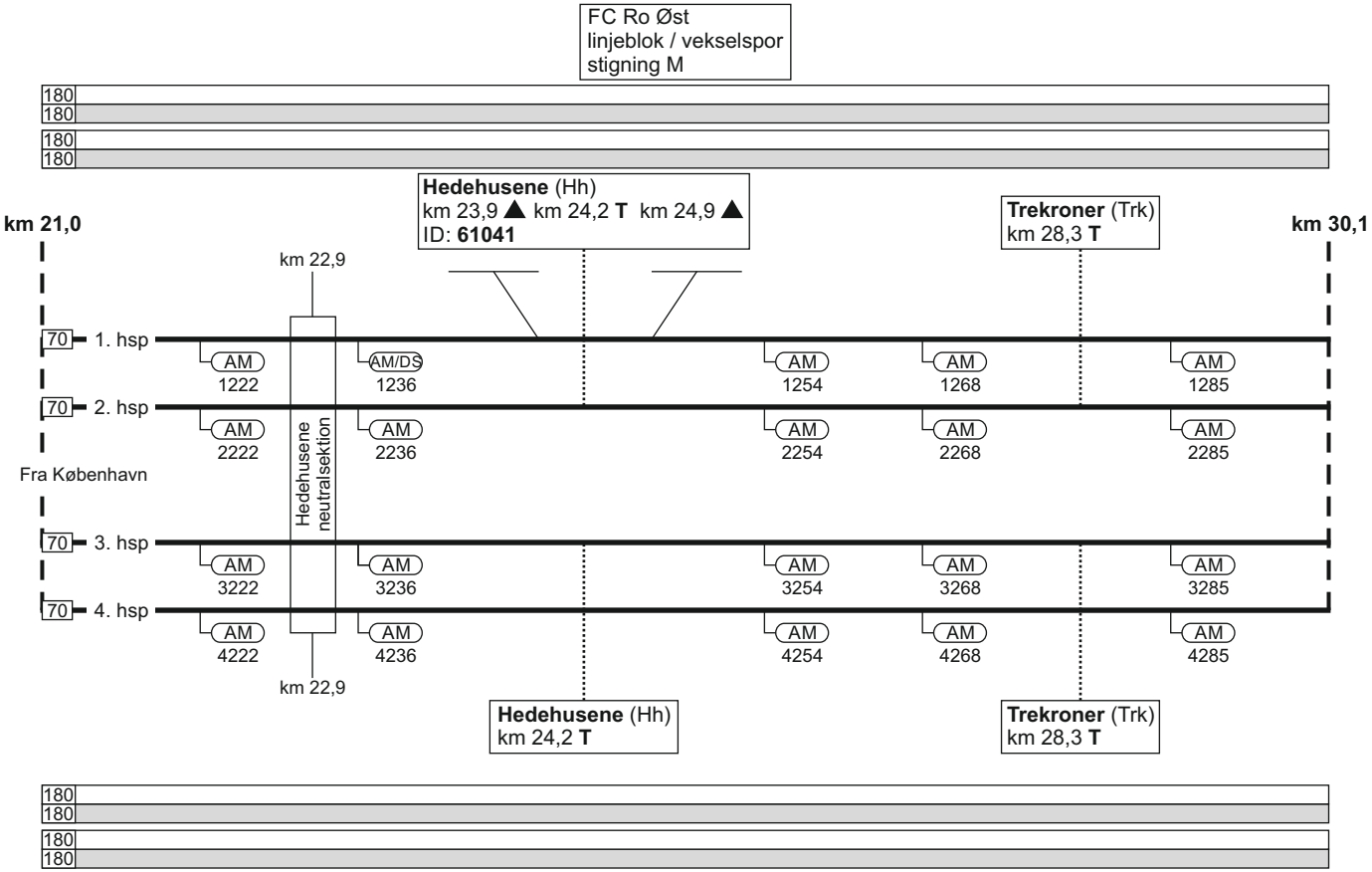


1. København H - Fredericia / Taulov



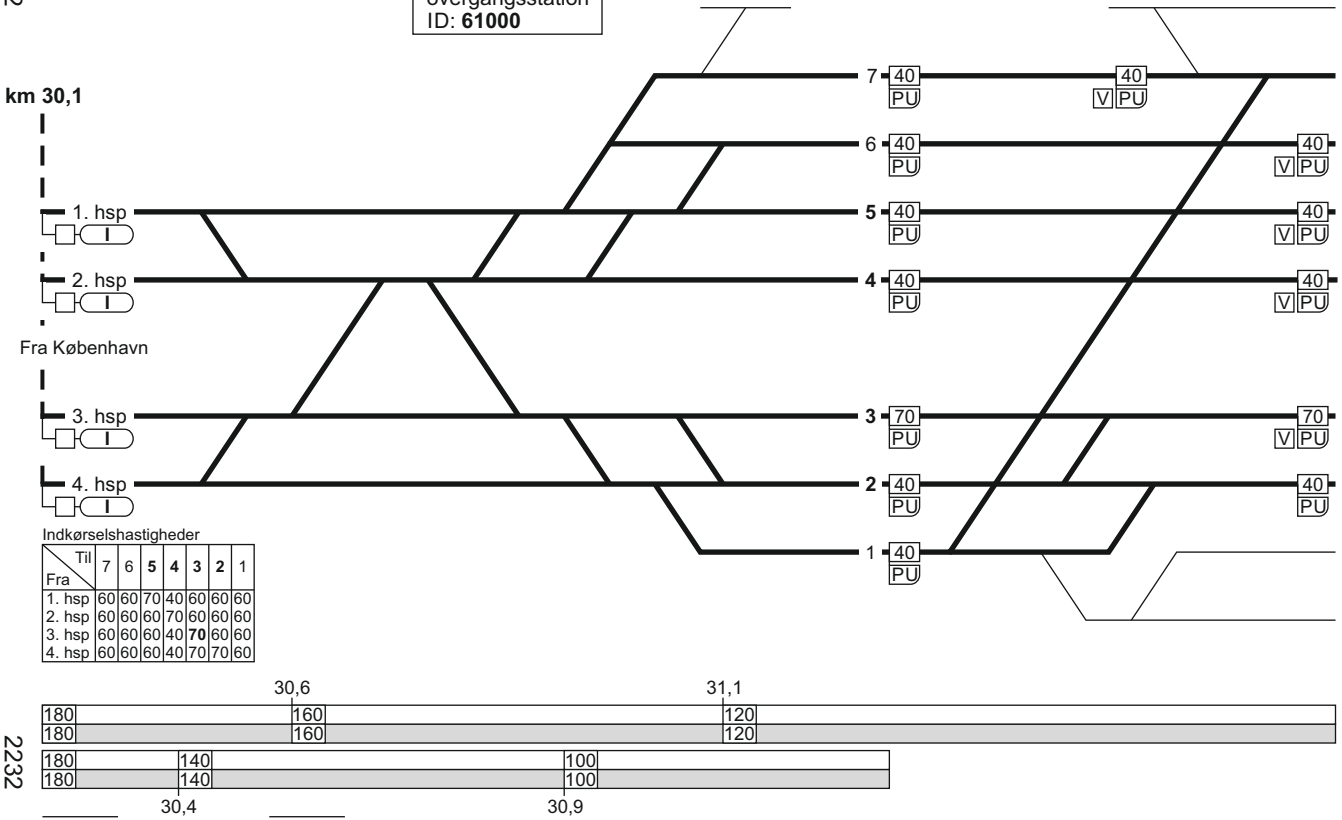


1. København H - Fredericia / Taulov



1. København H - Fredericia / Taulov

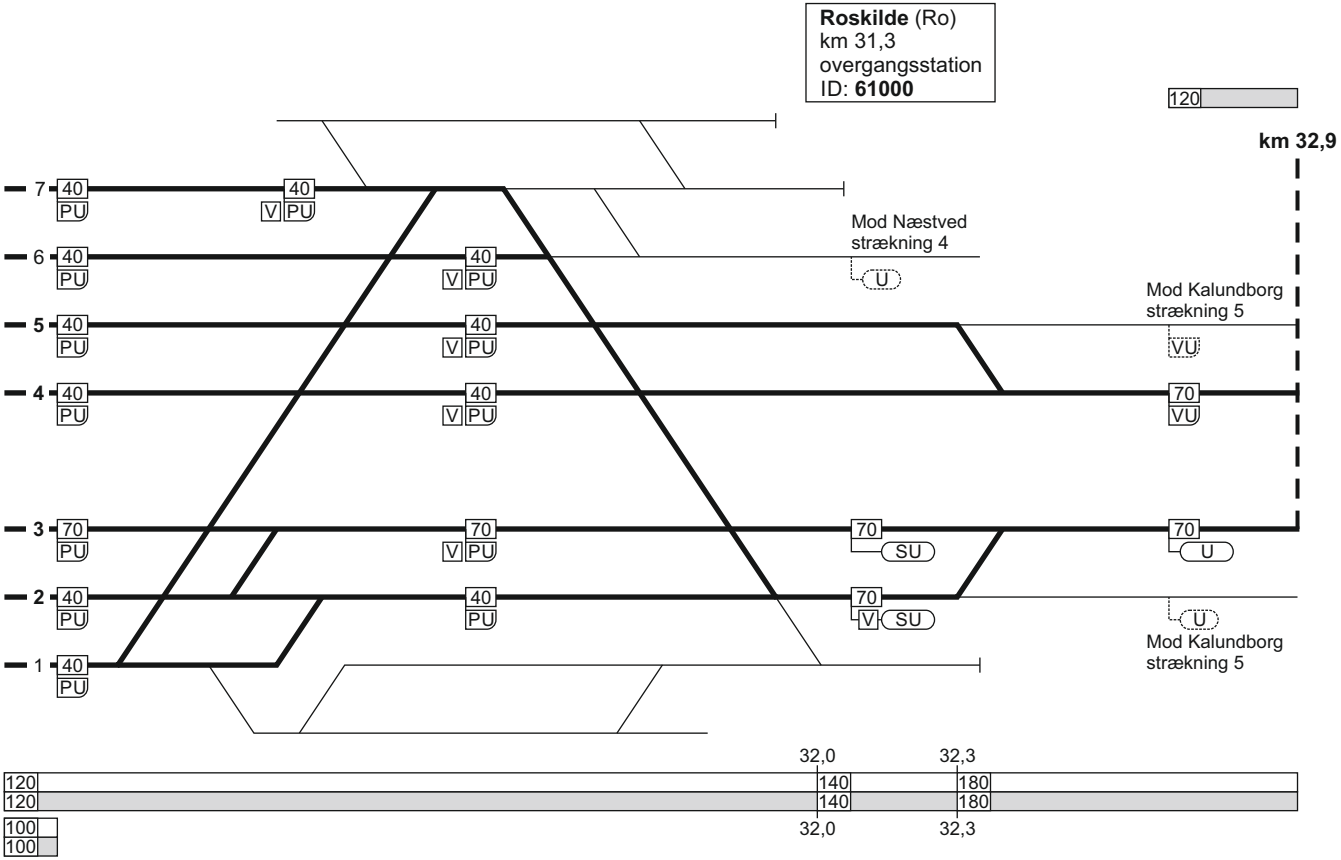
Roskilde (Ro)
km 31,3
overgangsstation
ID: **61000**



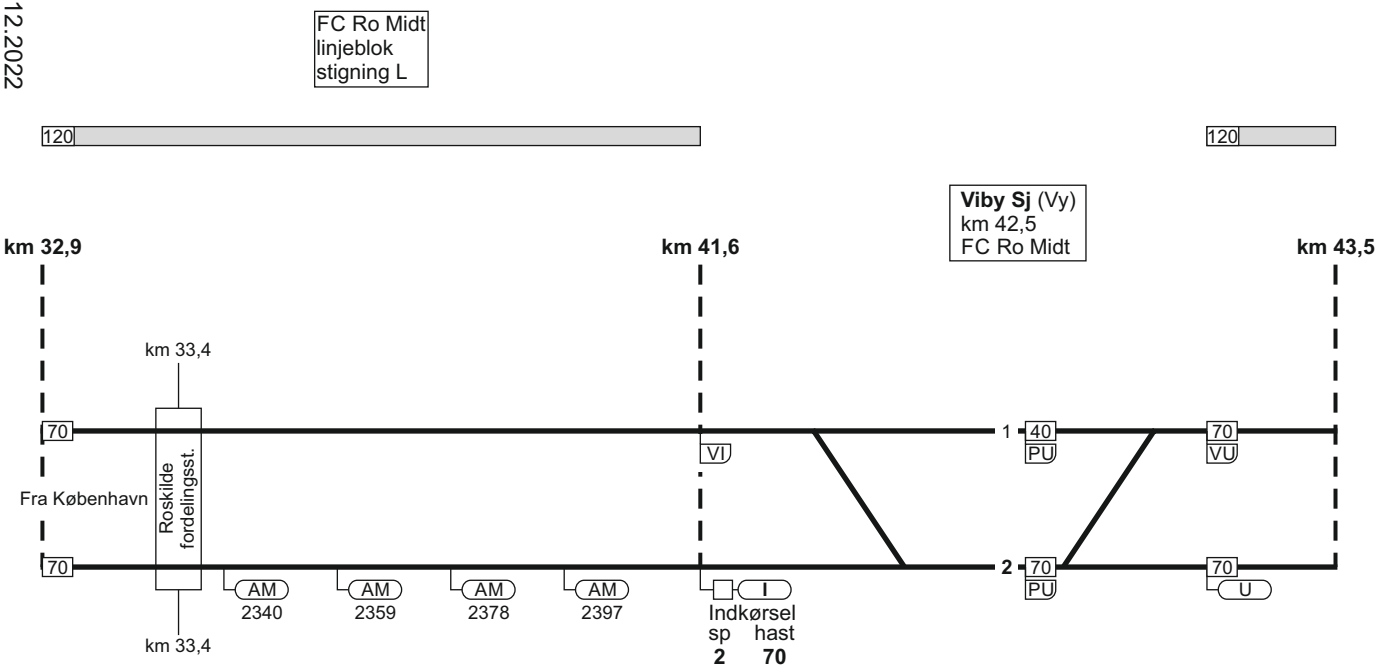
Indkørselshastigheder

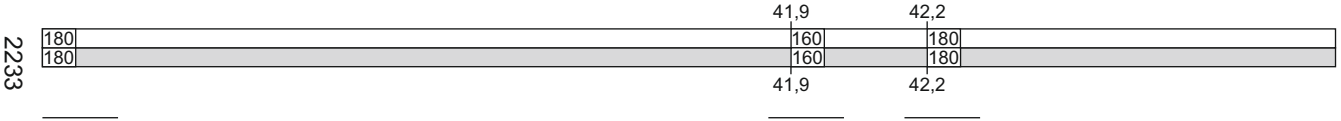
Fra \ Til	7	6	**5**	**4**	**3**	**2**	1
1. hsp	60	60	70	40	60	60	60
2. hsp	60	60	60	70	60	60	60
3. hsp	60	60	60	40	**70**	60	60
4. hsp	60	60	60	40	70	70	60

1. København H - Fredericia / Taulov

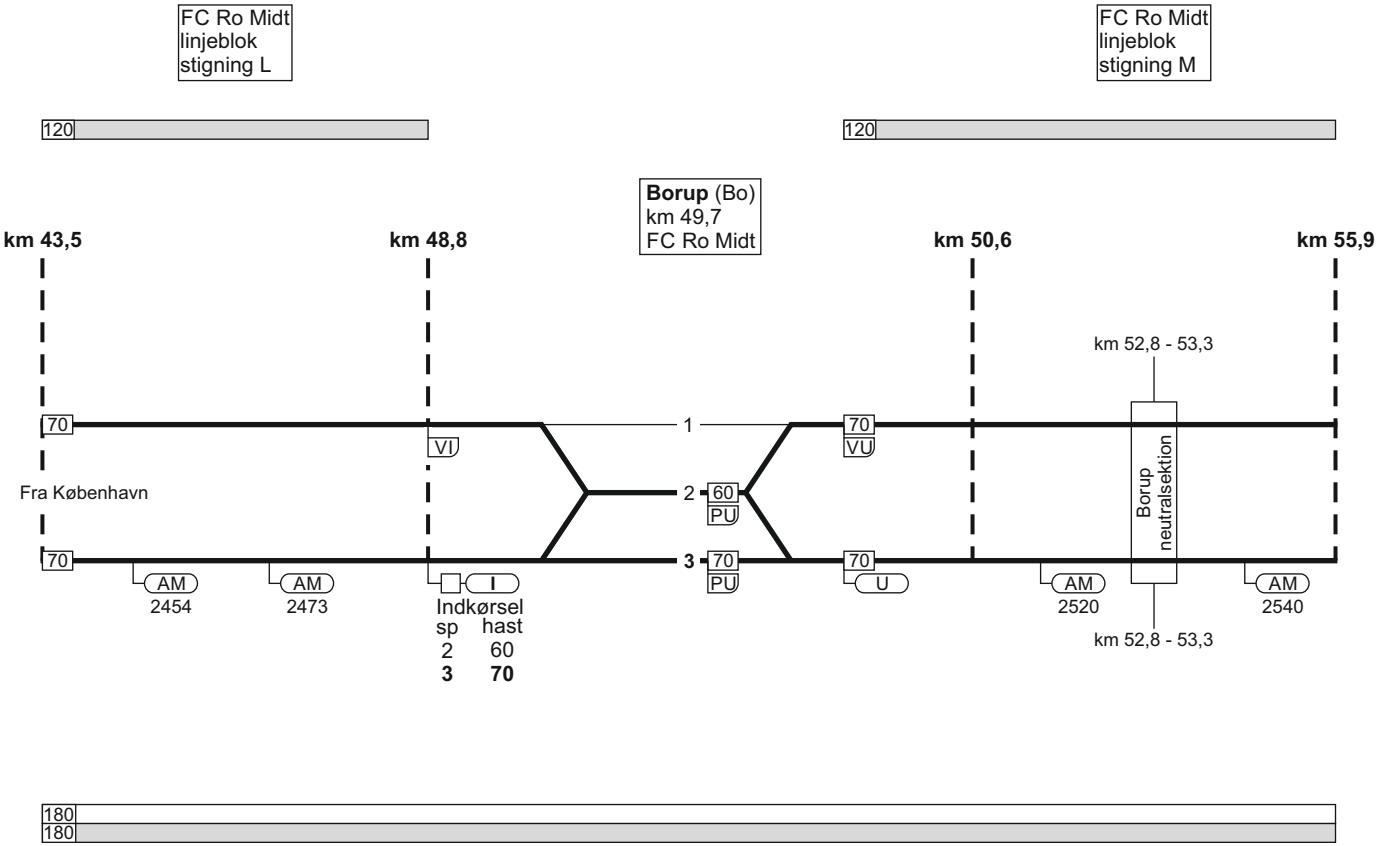


1. København H - Fredericia / Taulov

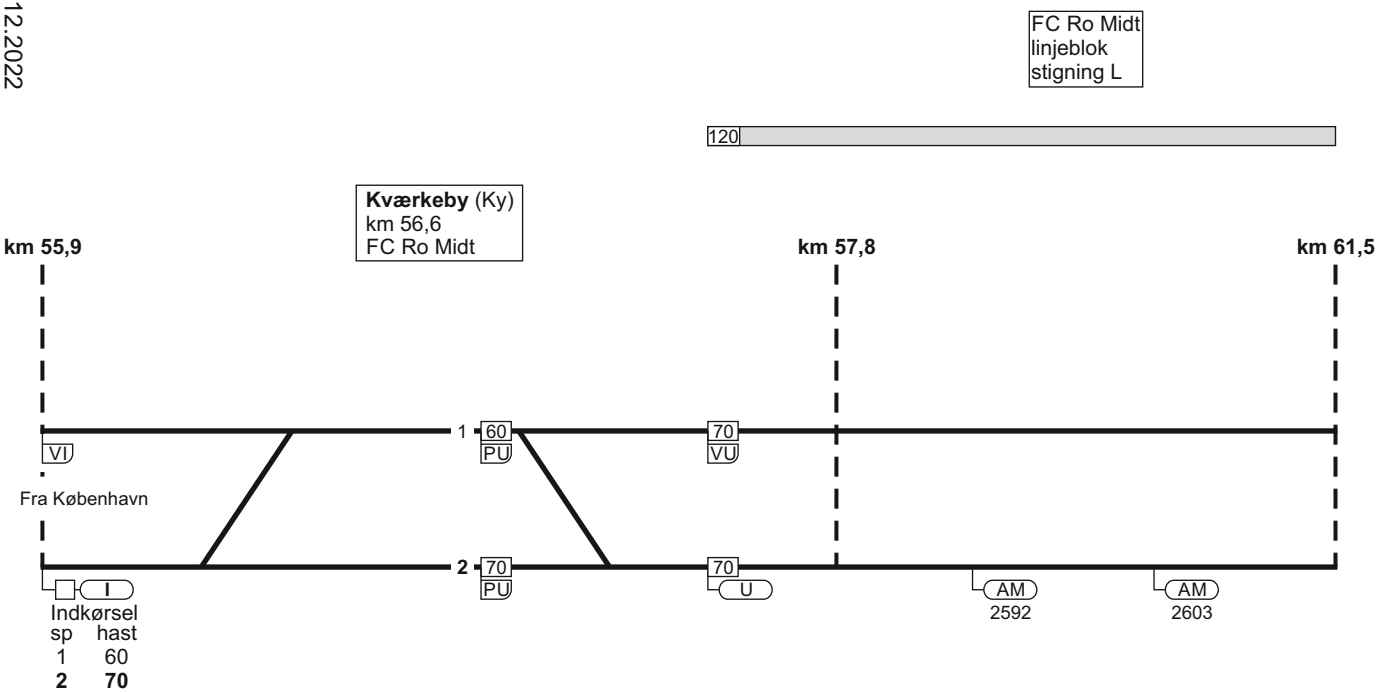


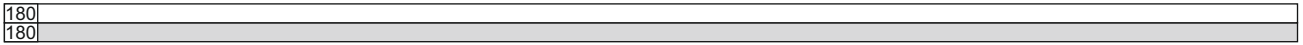


1. København H - Fredericia / Taulov

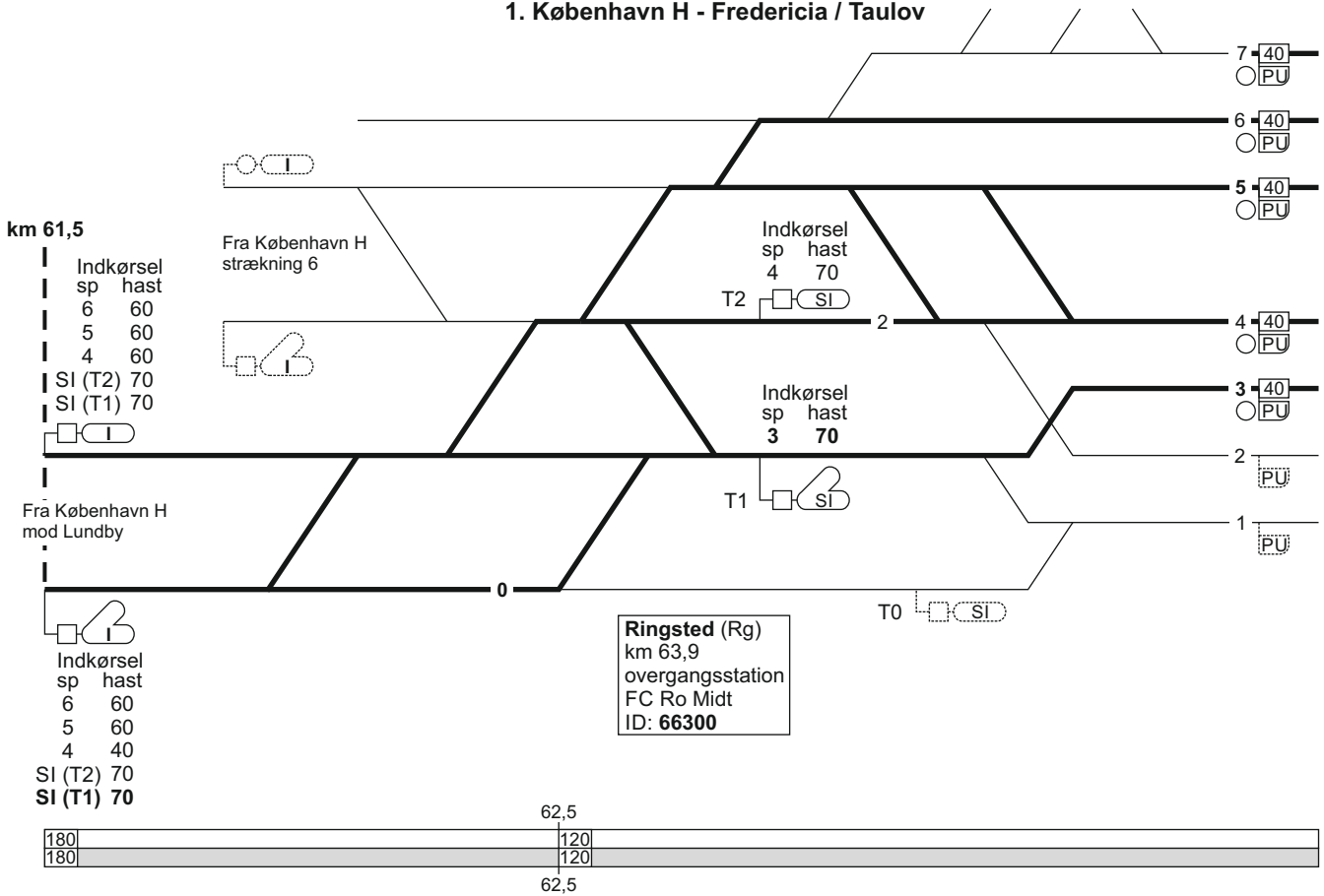


1. København H - Fredericia / Taulov

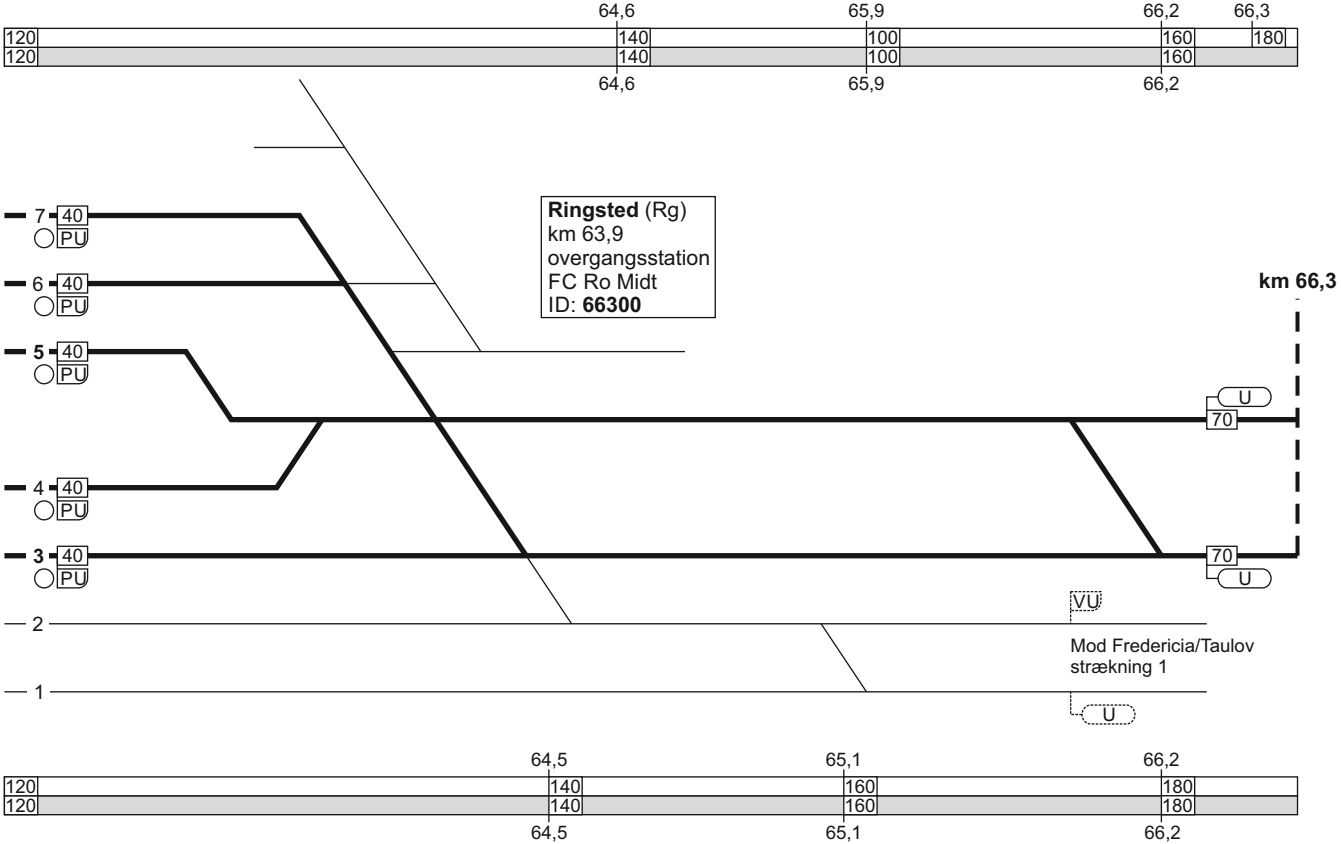




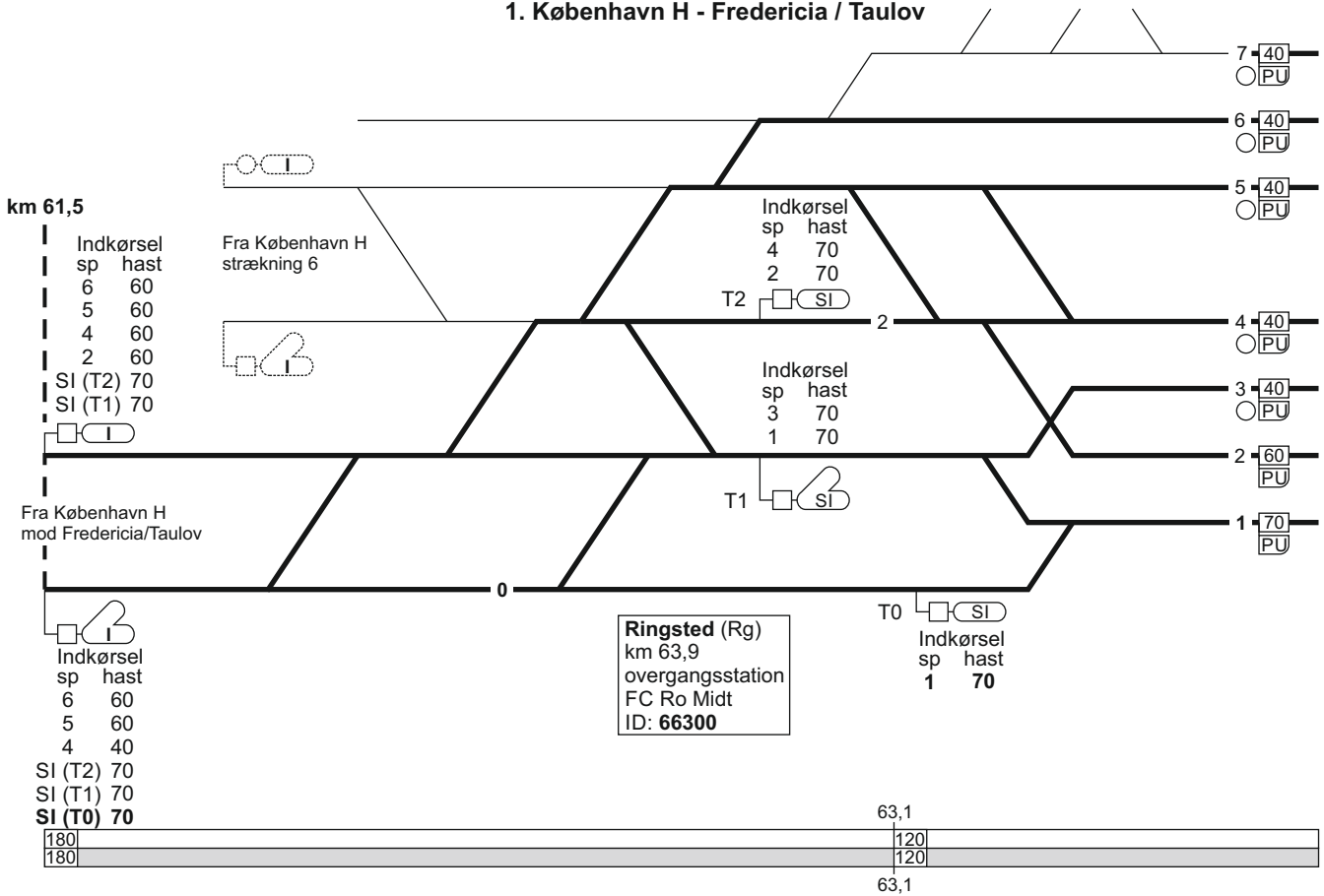
1. København H - Fredericia / Taulov



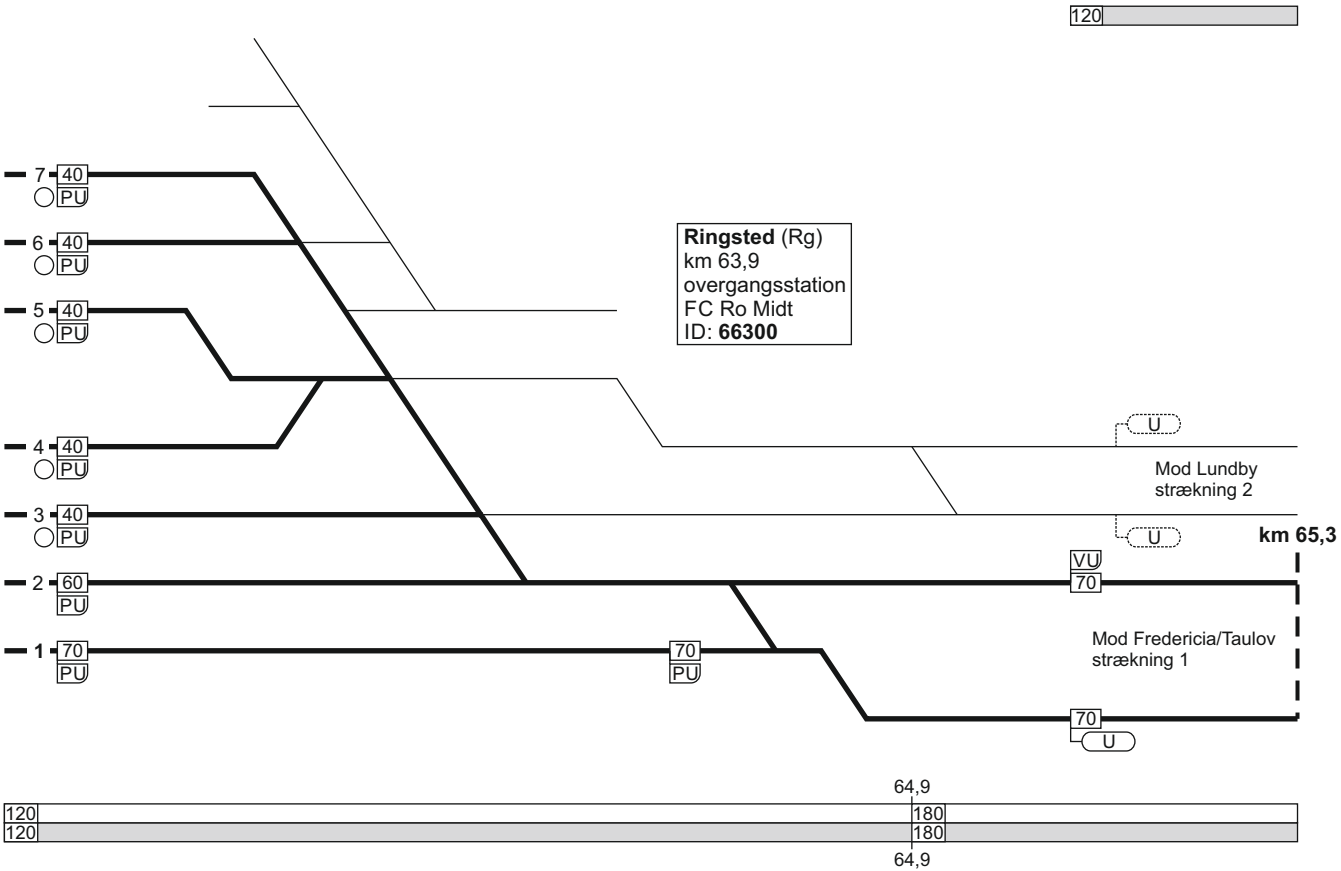
1. København H - Fredericia / Taulov



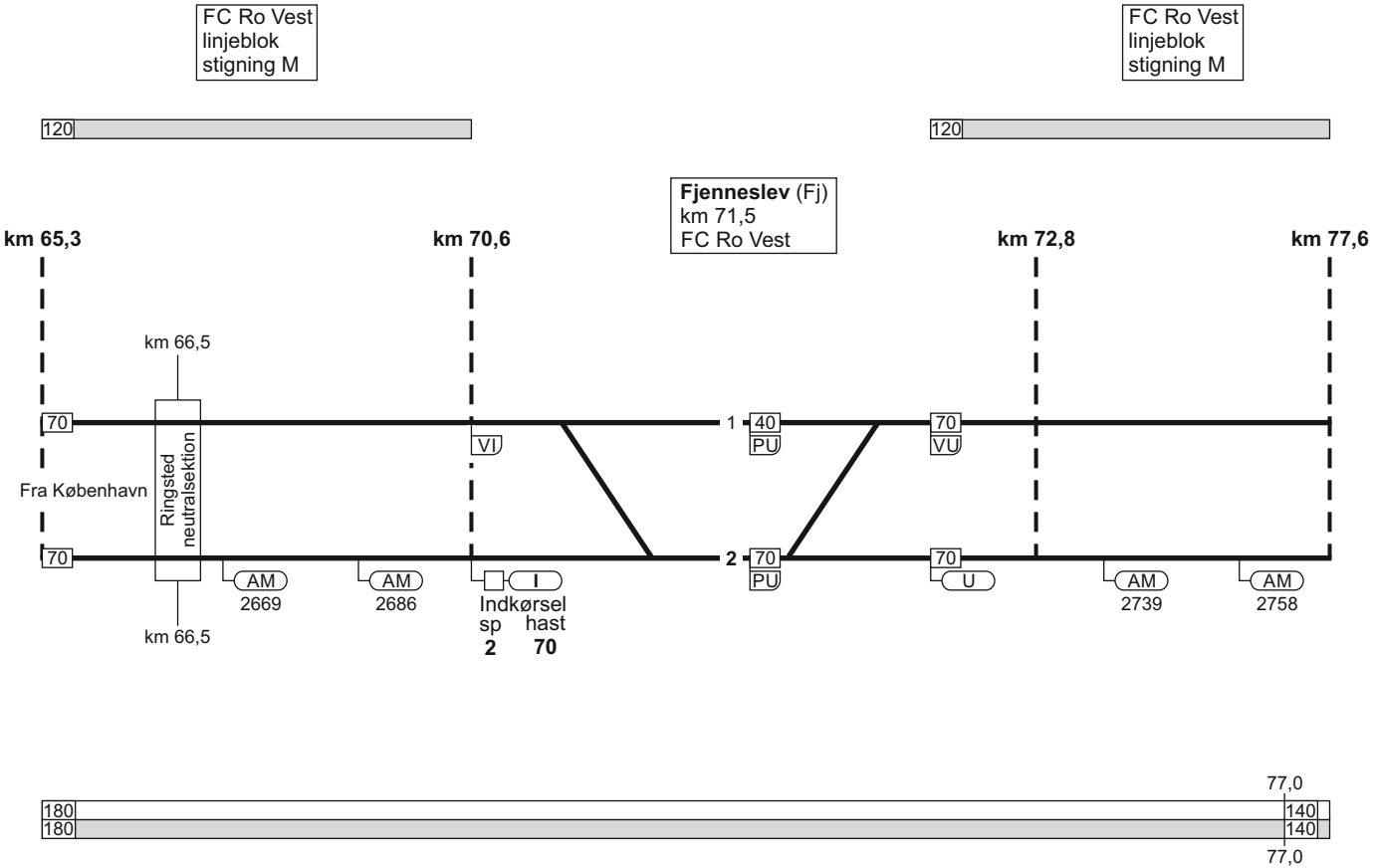
1. København H - Fredericia / Taulov



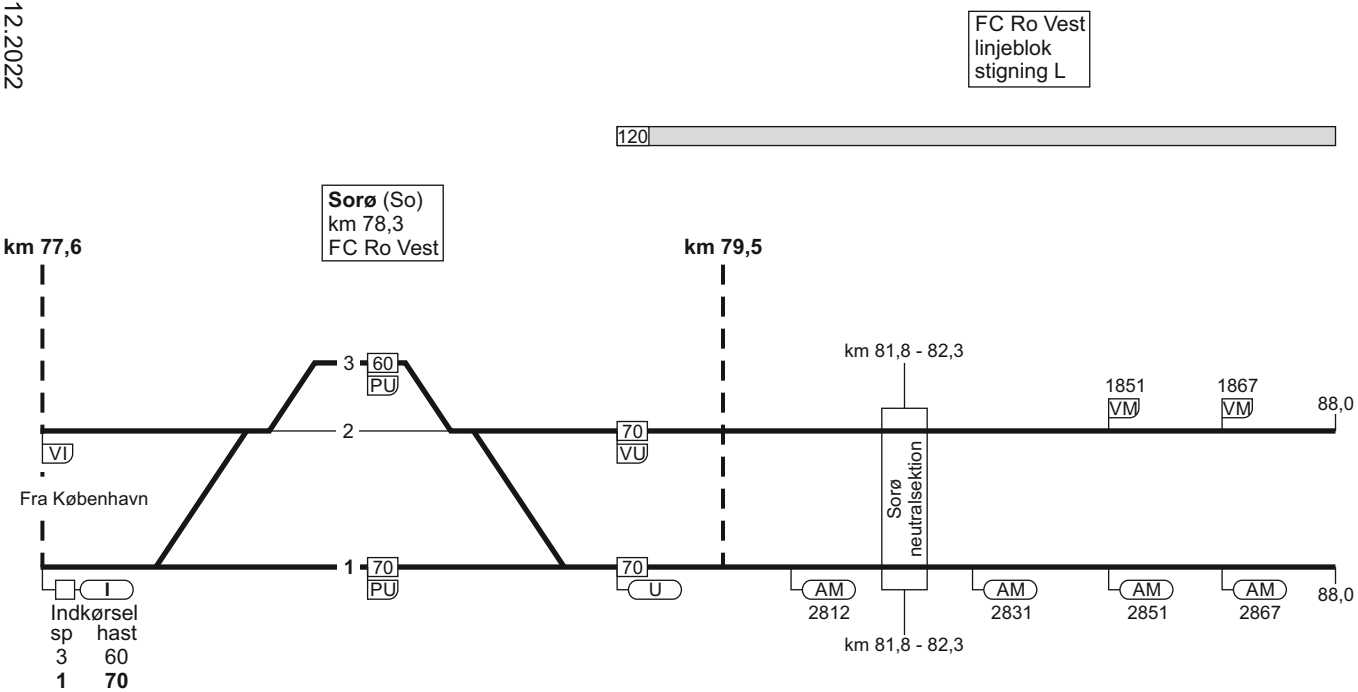
1. København H - Fredericia / Taulov

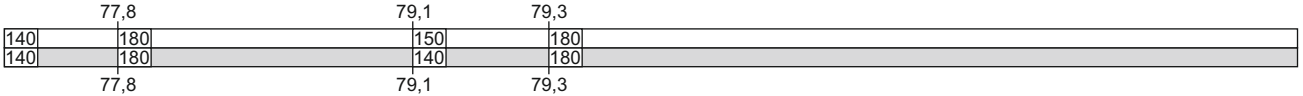


1. København H - Fredericia / Taulov

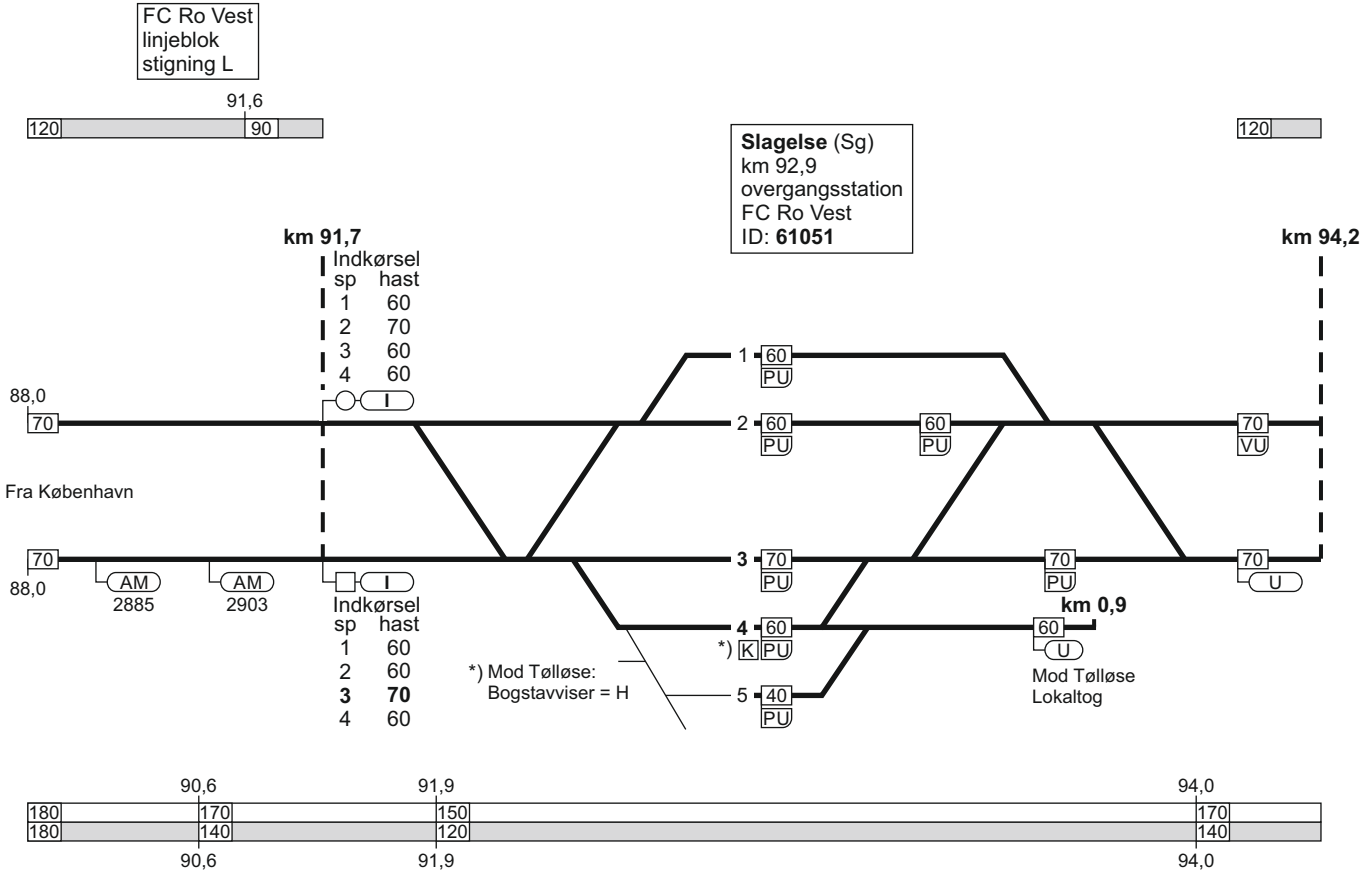


1. København H - Fredericia / Taulov

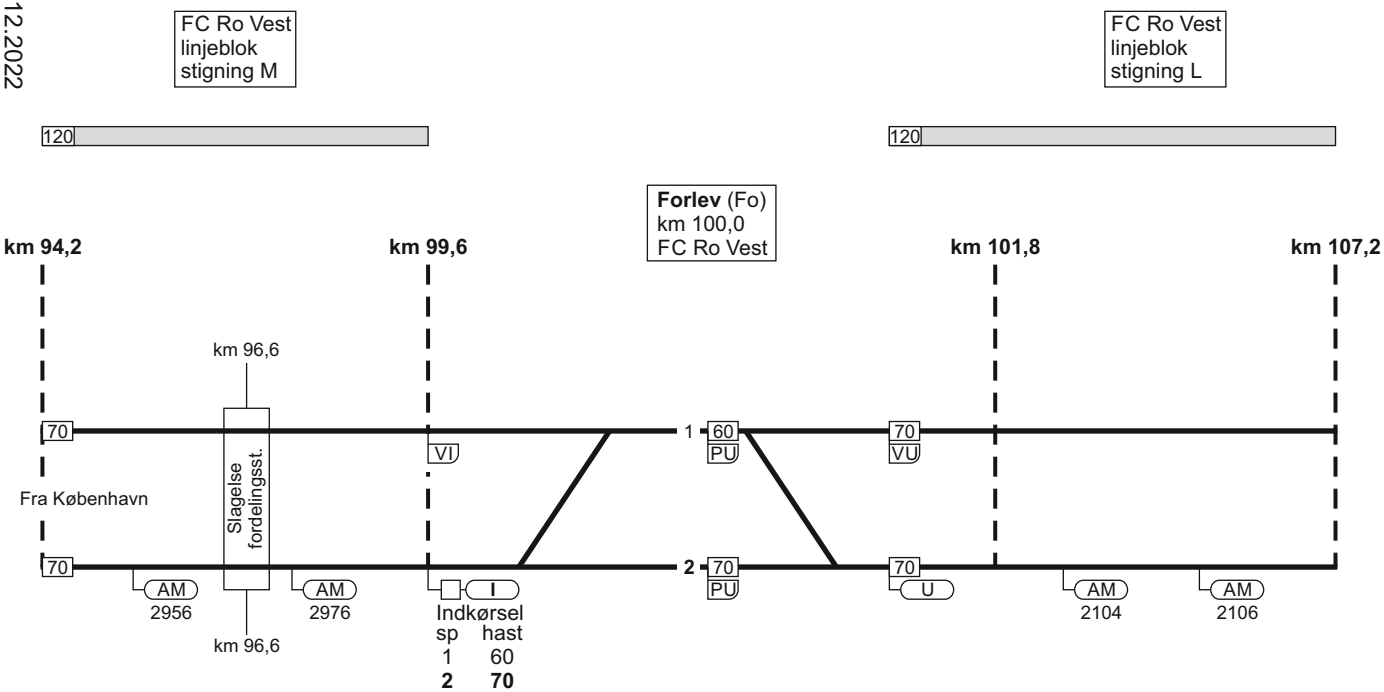


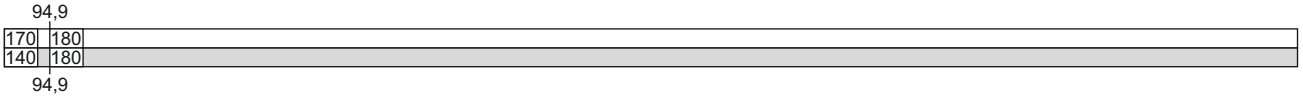


1. København H - Fredericia / Taulov

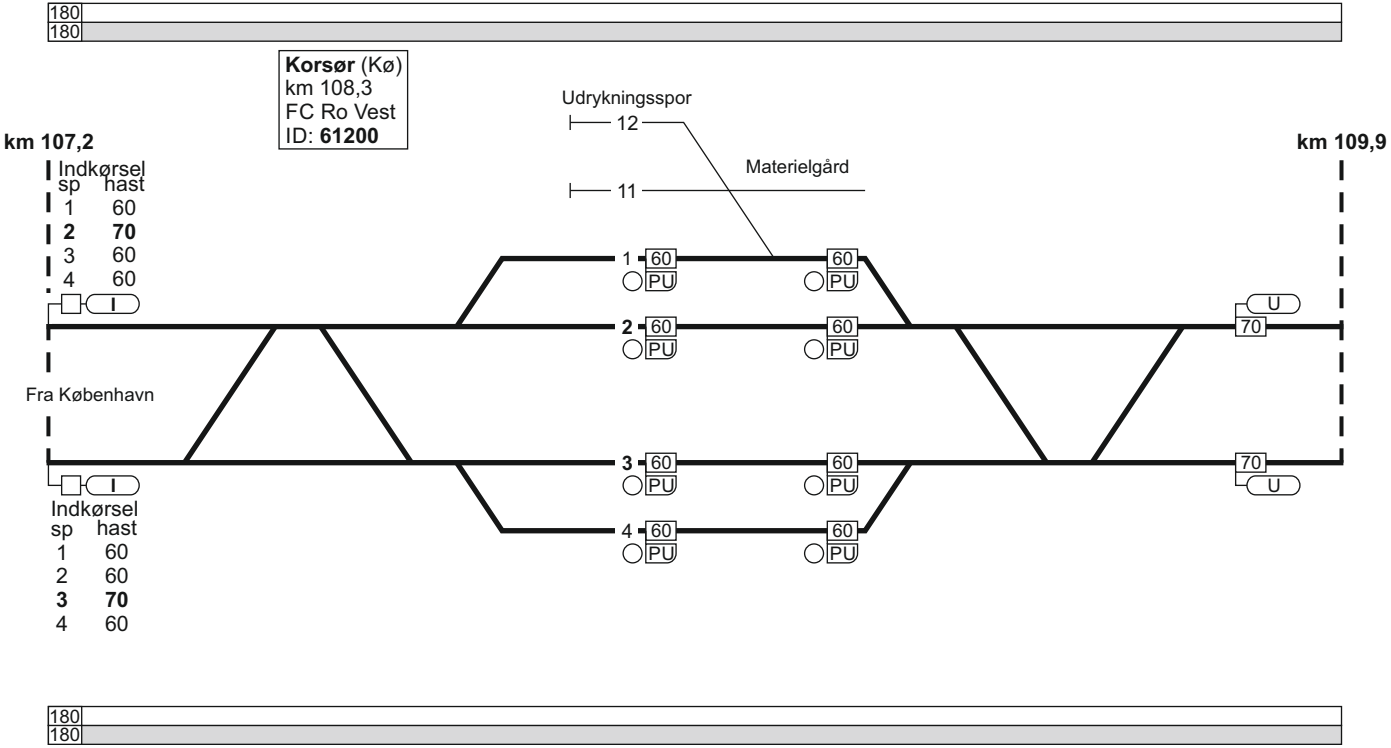


1. København H - Fredericia / Taulov

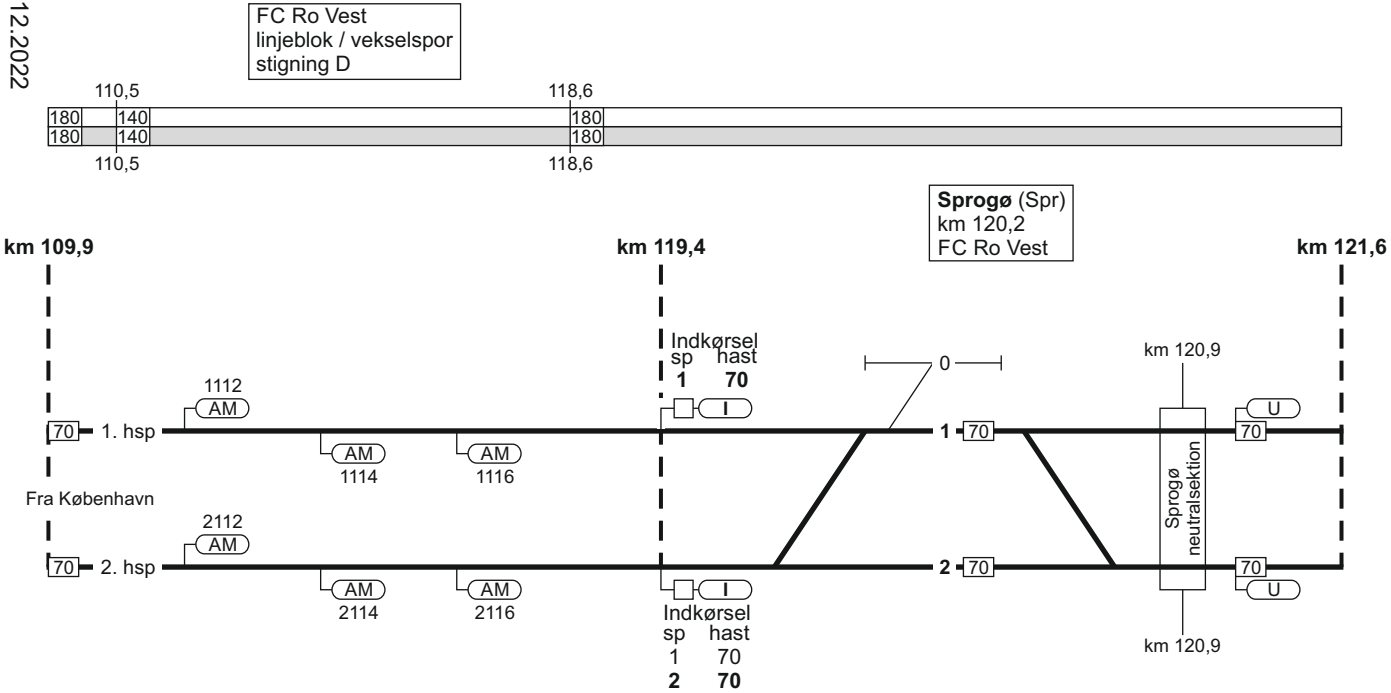




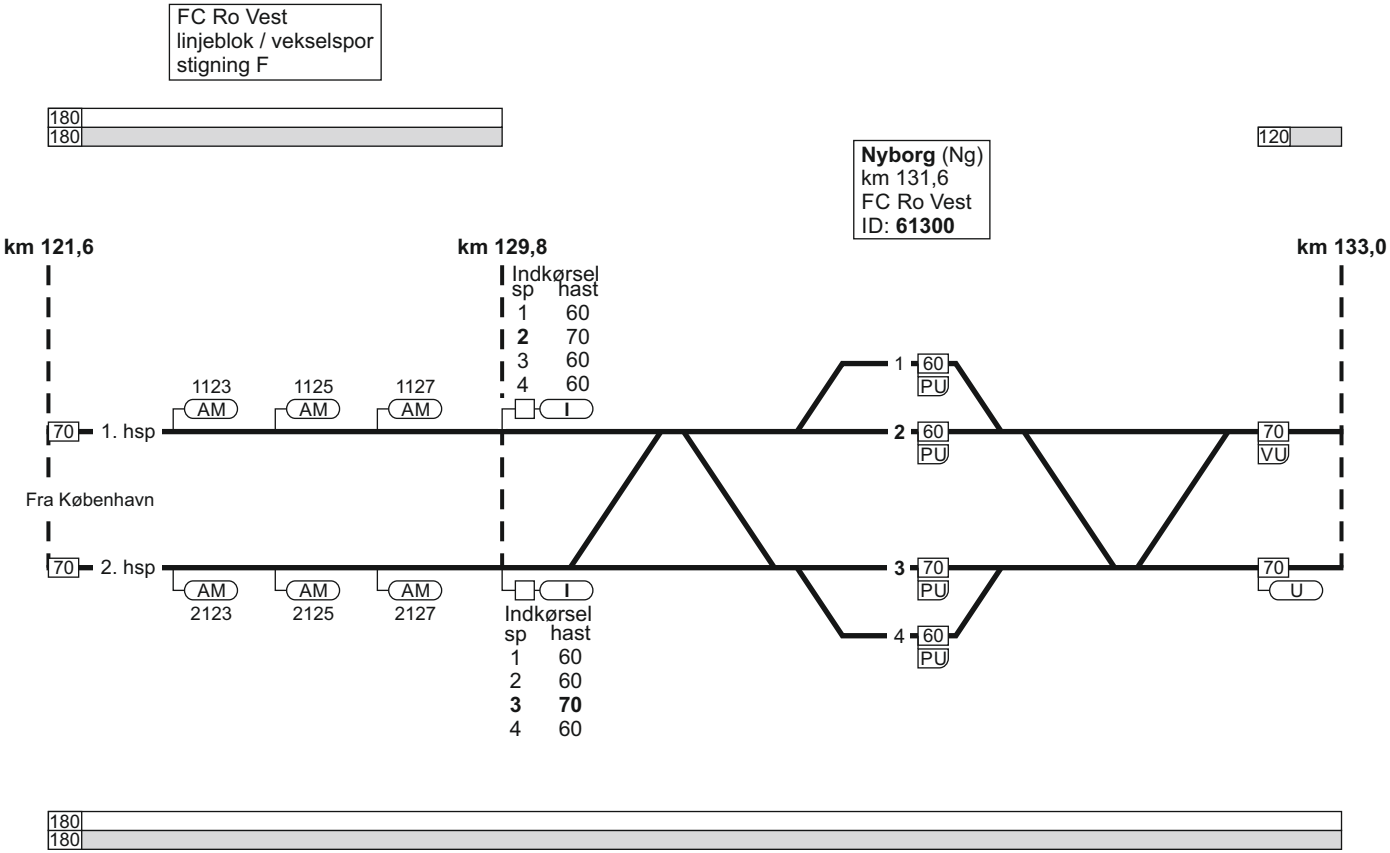
1. København H - Fredericia / Taulov



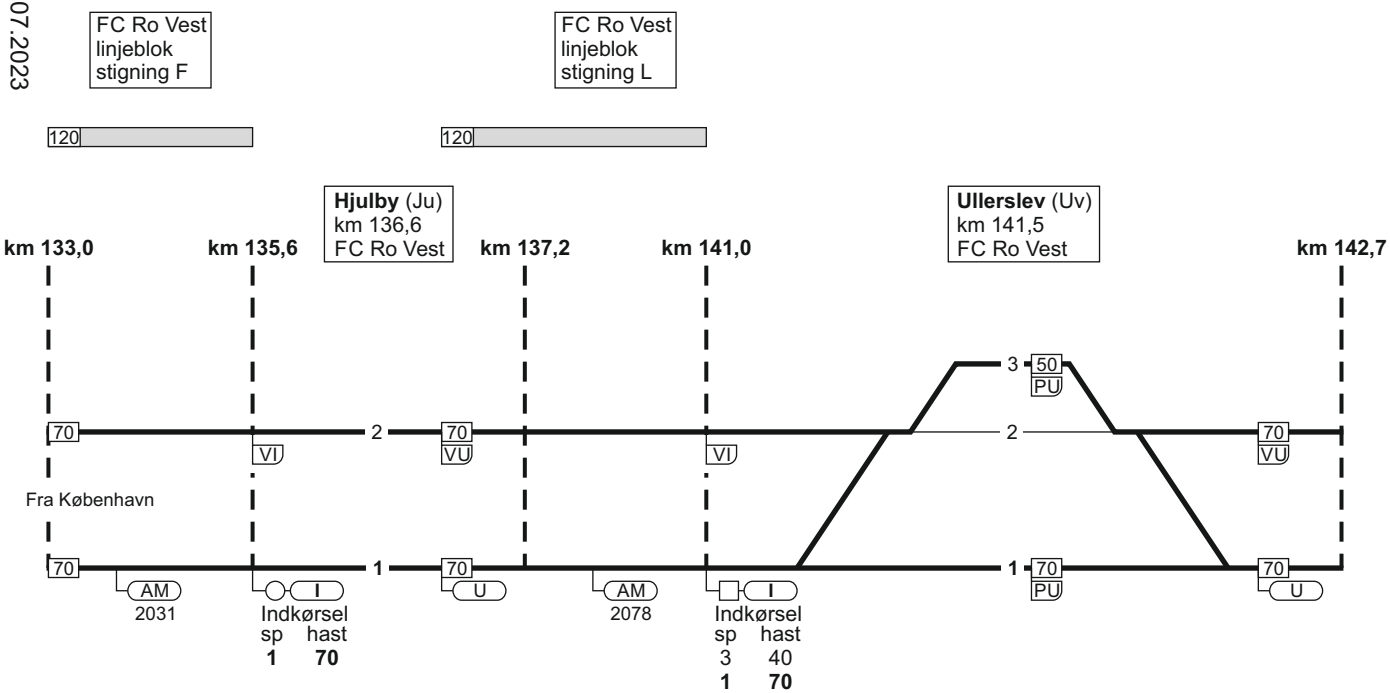
1. København H - Fredericia / Taulov

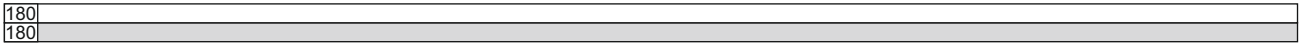


1. København H - Fredericia / Taulov

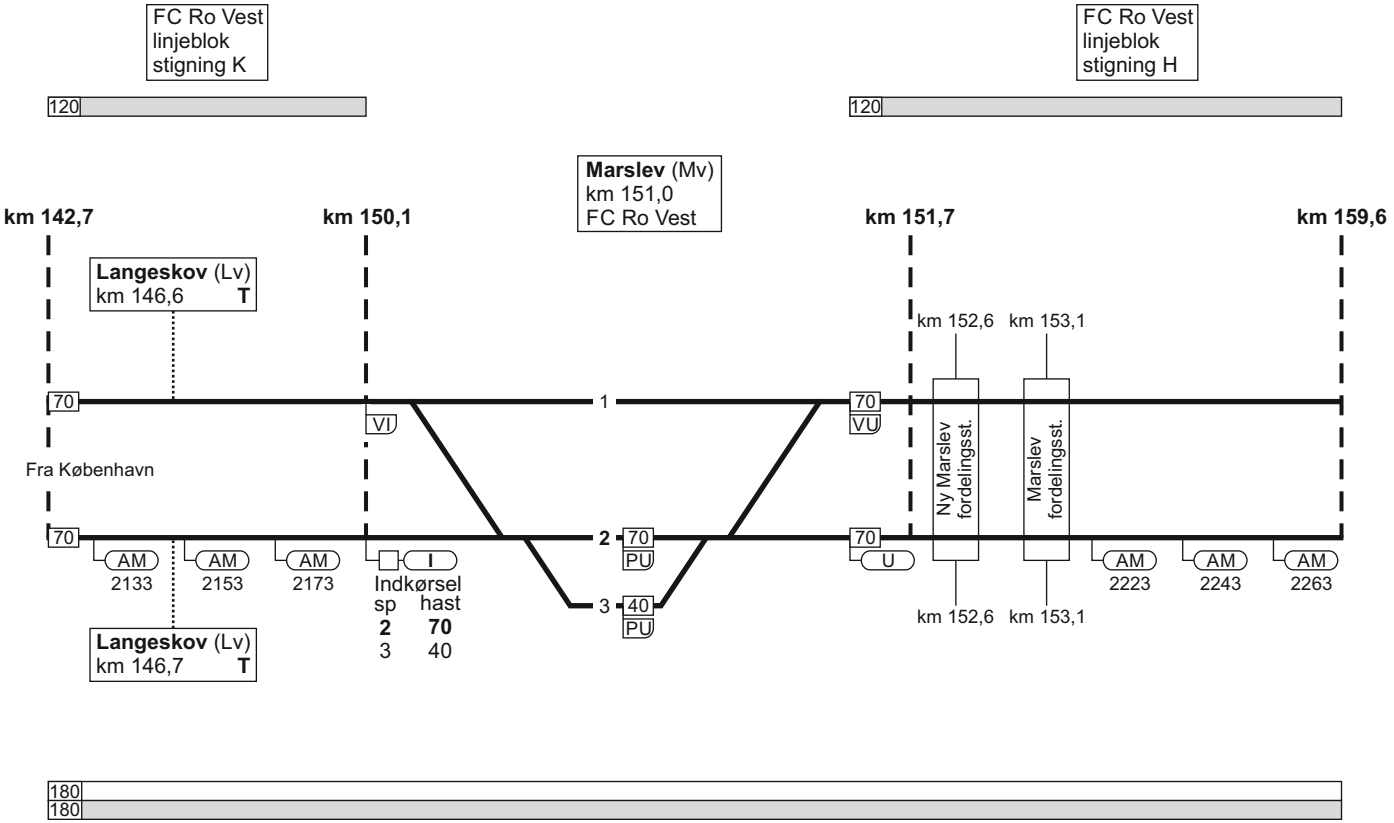


1. København H - Fredericia / Taulov

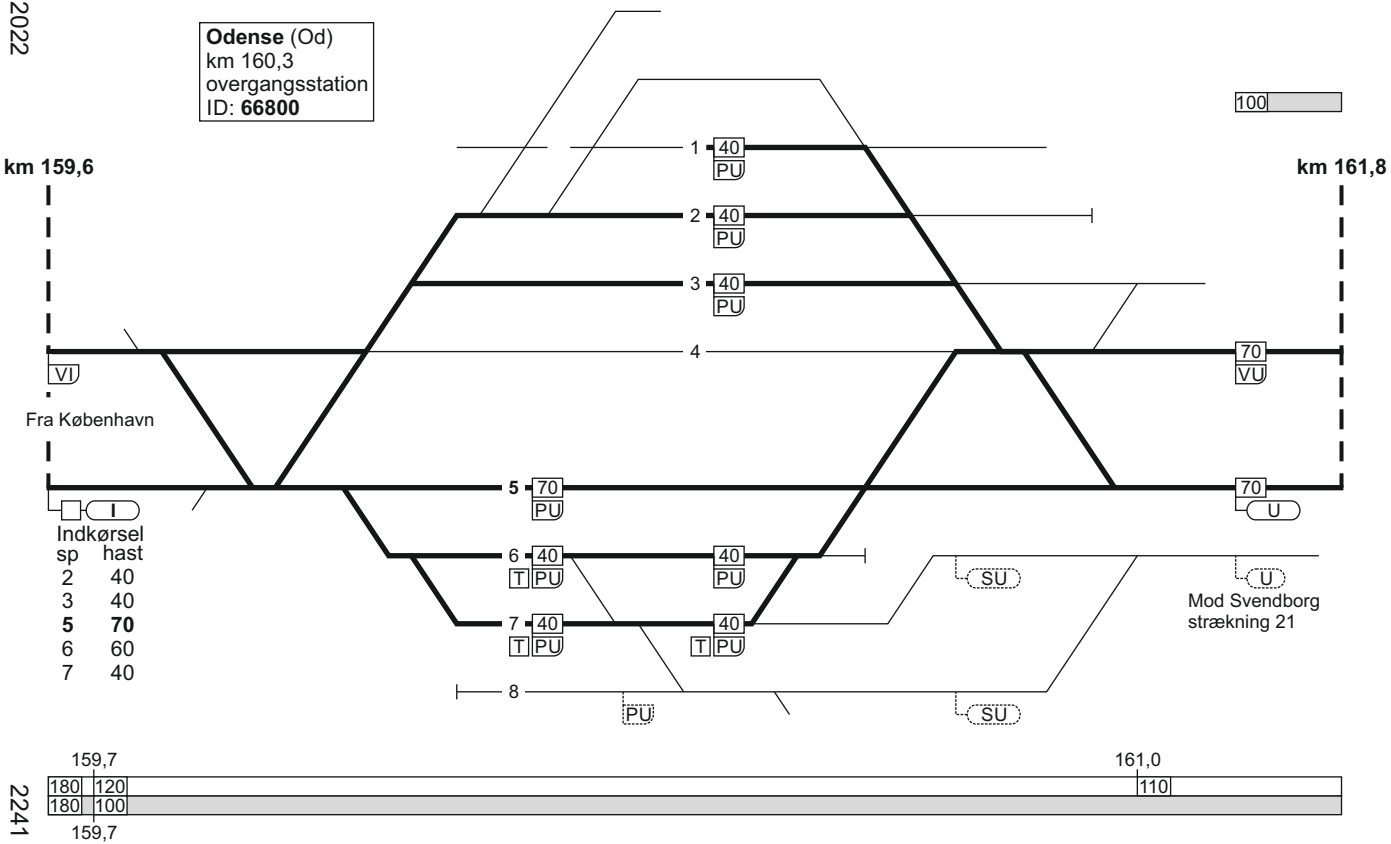




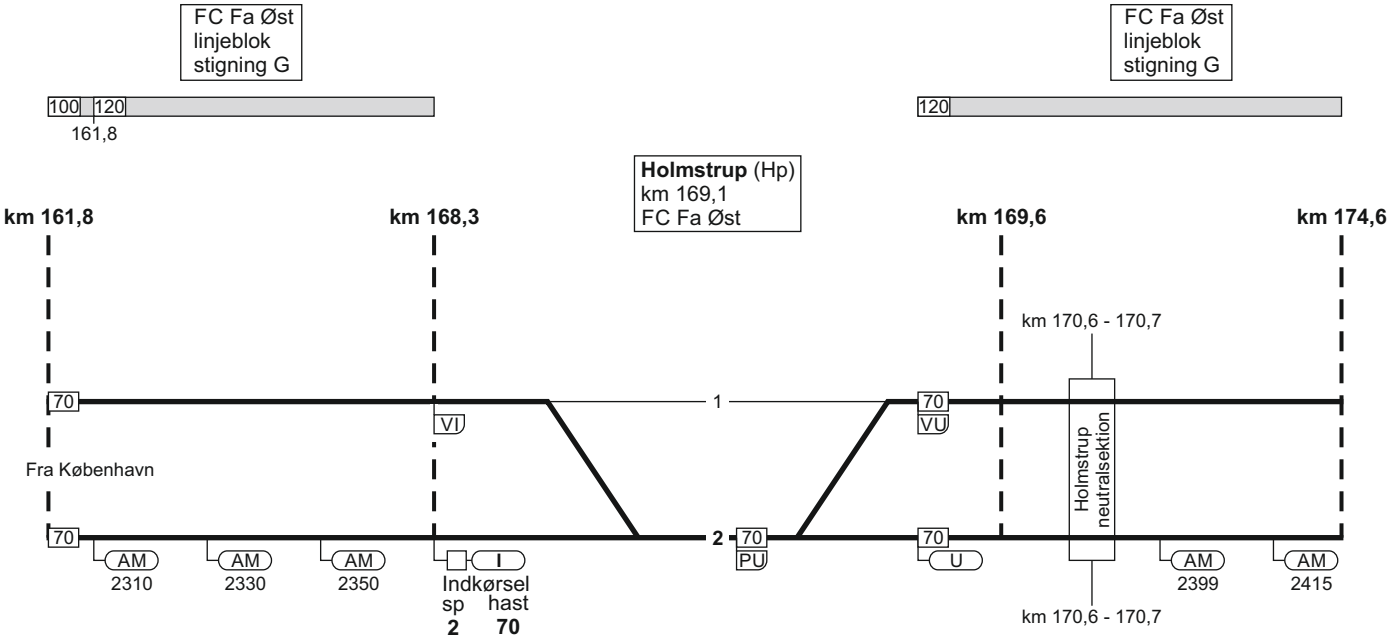
1. København H - Fredericia / Taulov



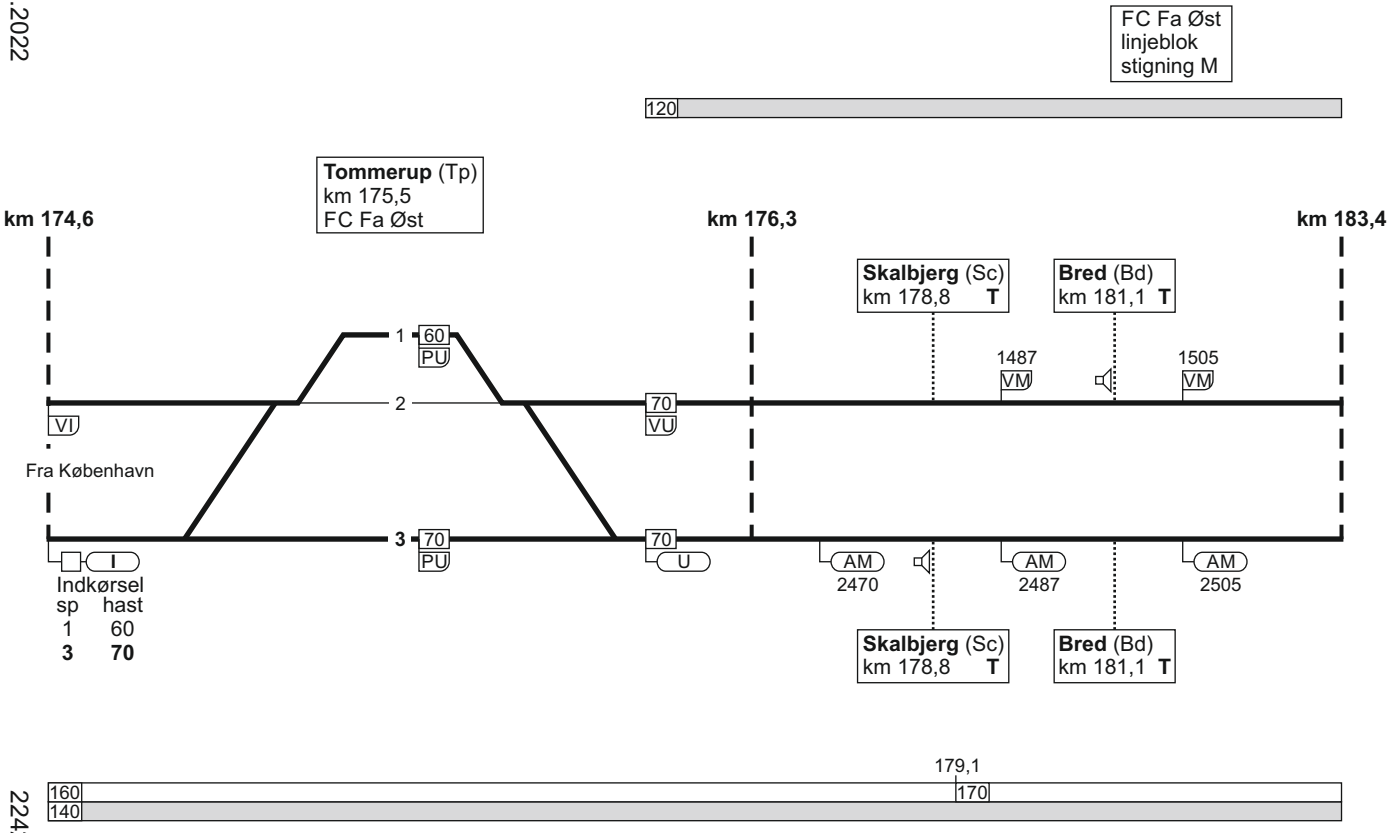
1. København H - Fredericia / Taulov



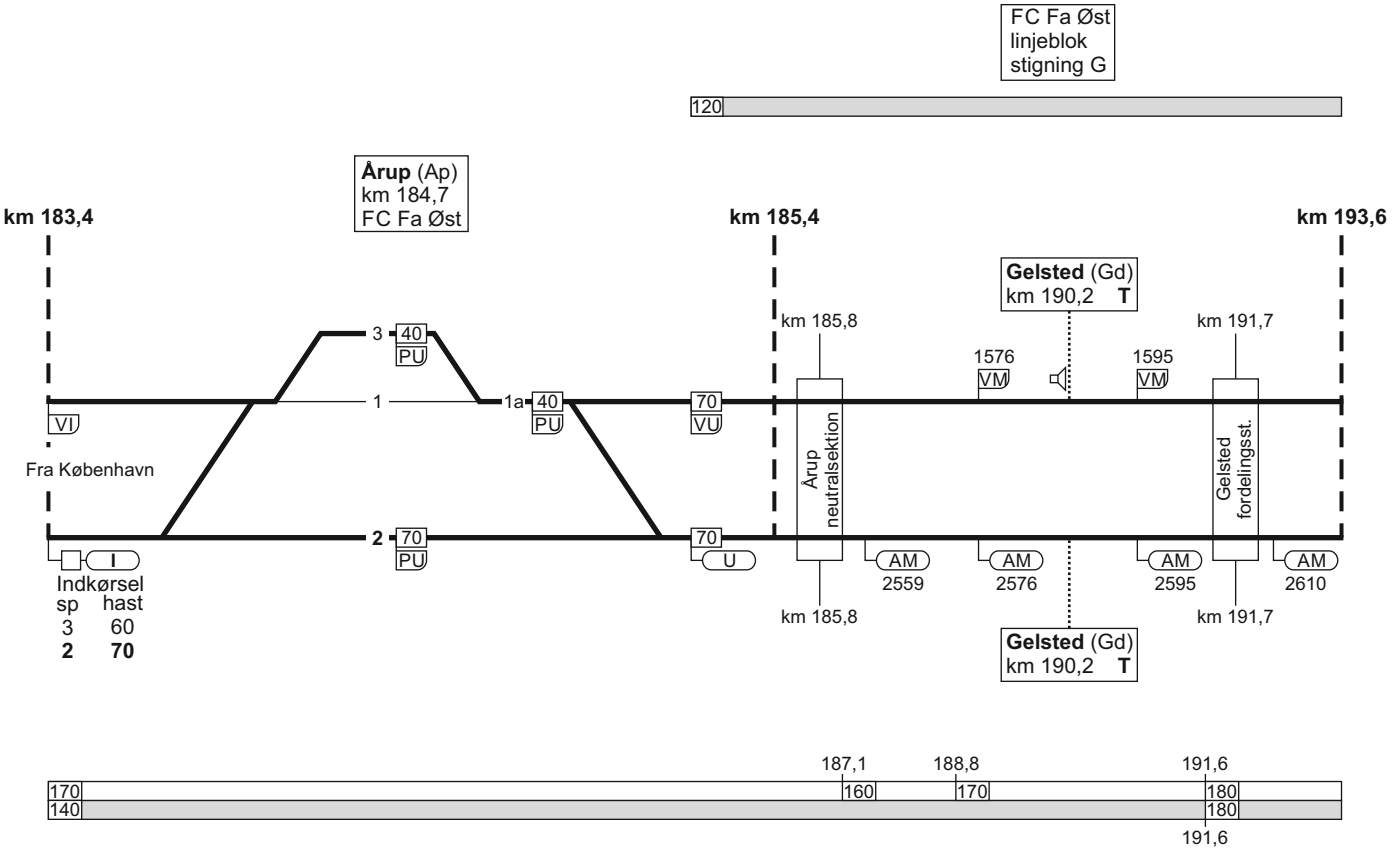
1. København H - Fredericia / Taulov



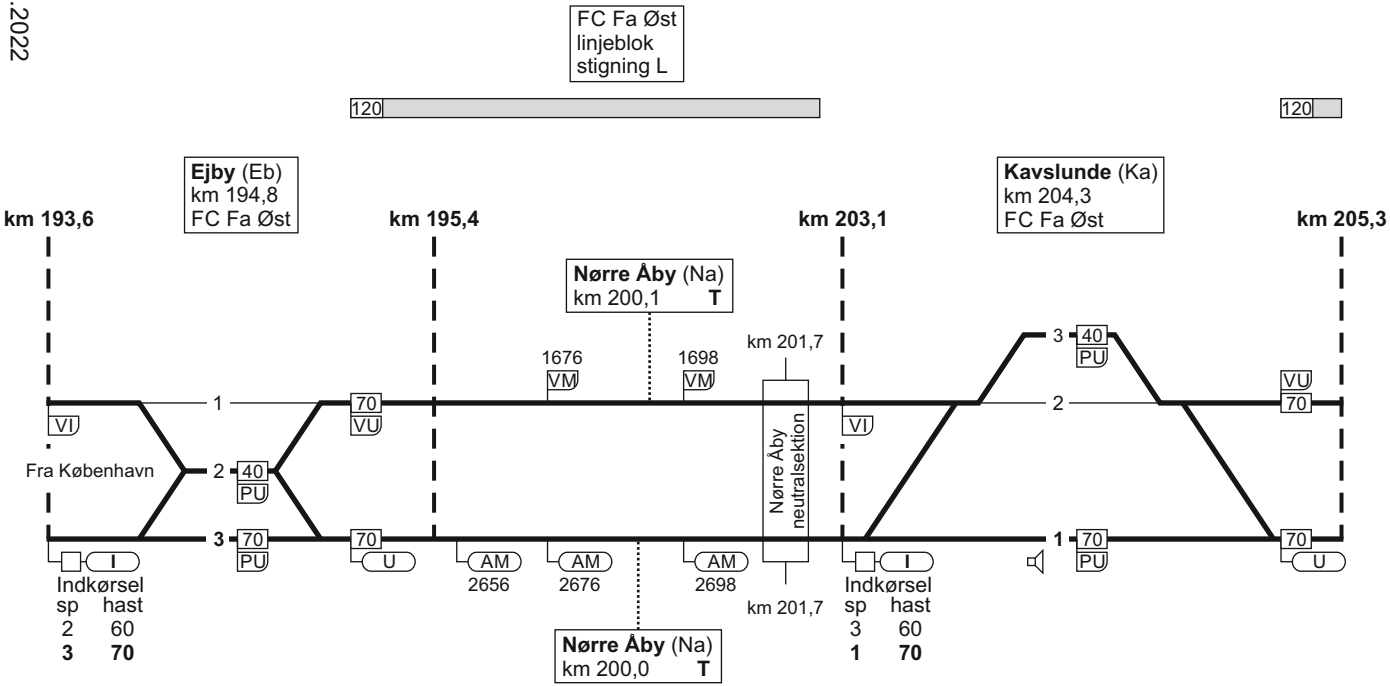
1. København H - Fredericia / Taulov

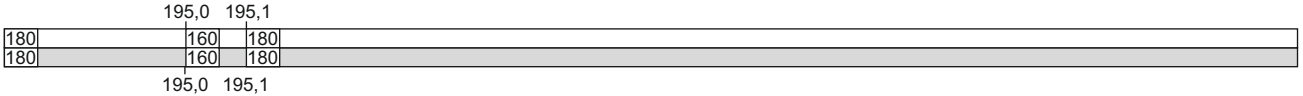


1. København H - Fredericia / Taulov

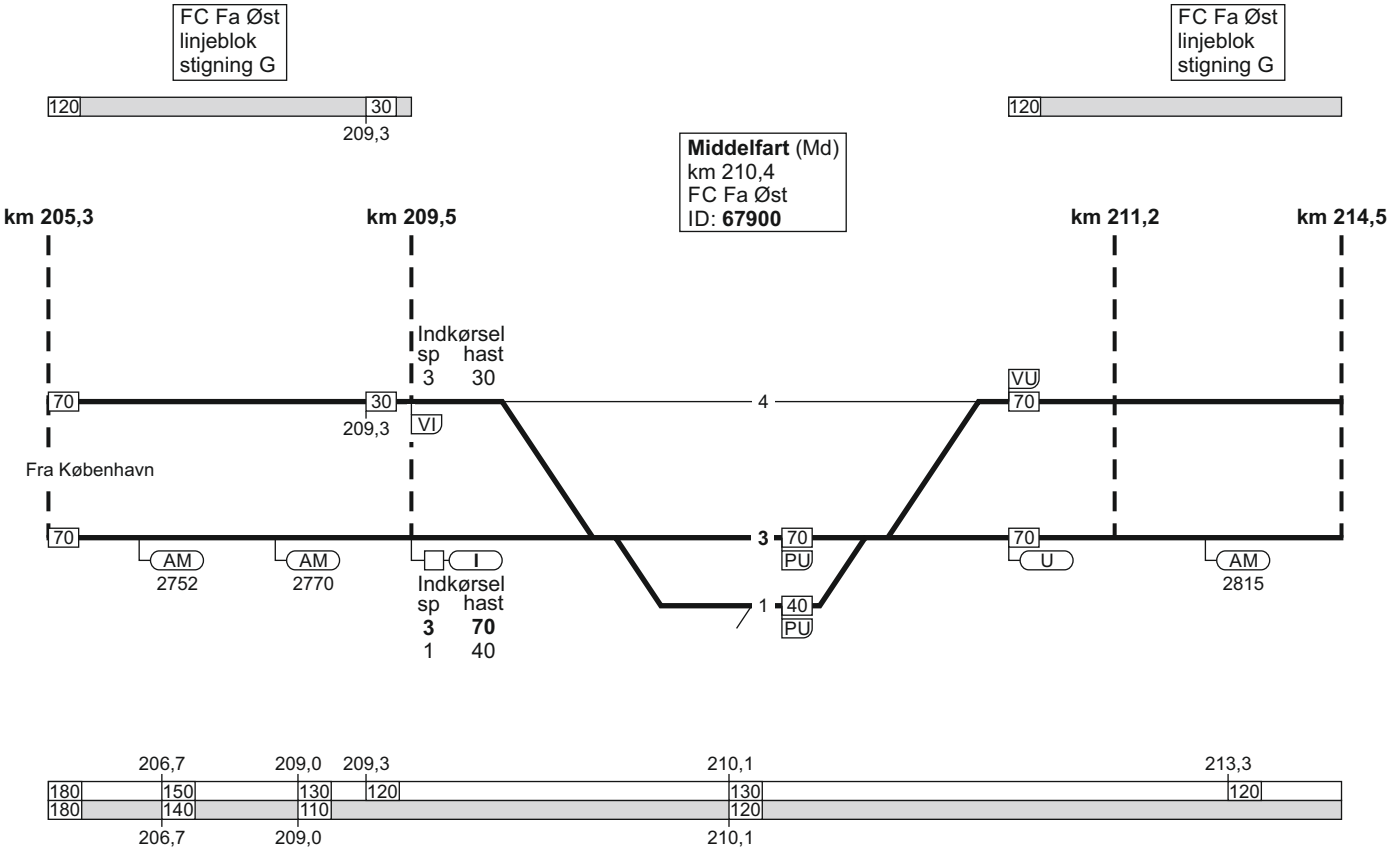


1. København H - Fredericia / Taulov

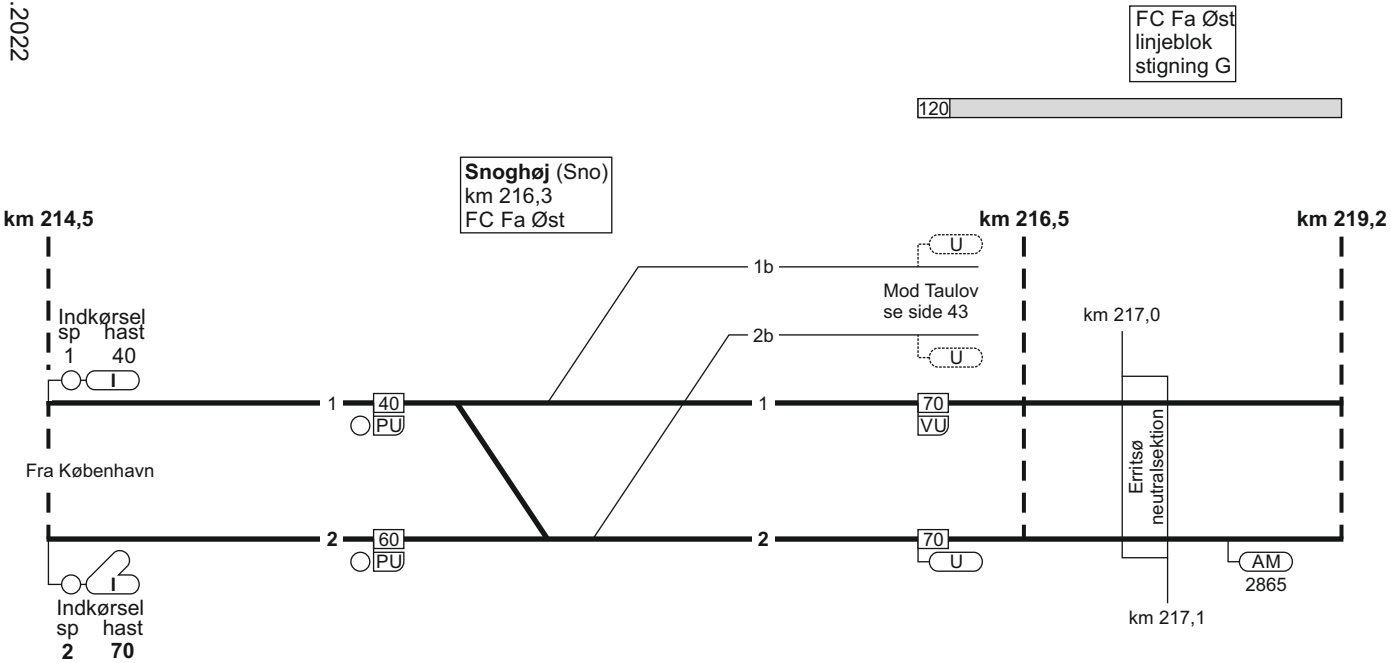


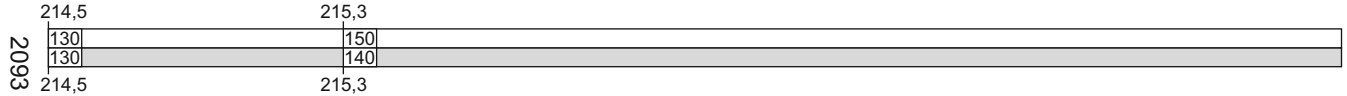


1. København H - Fredericia / Taulov

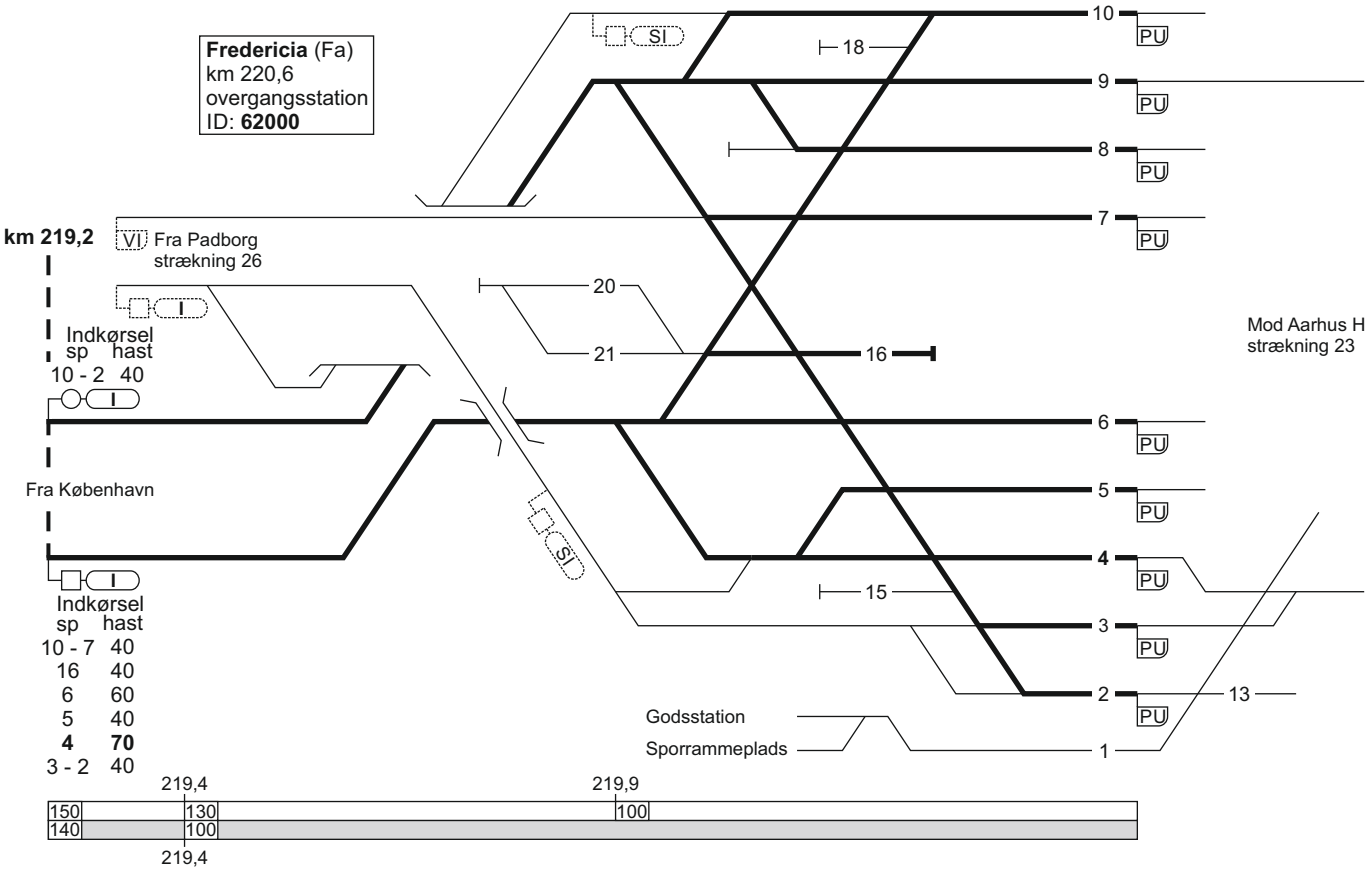


1. København H - Fredericia / Taulov

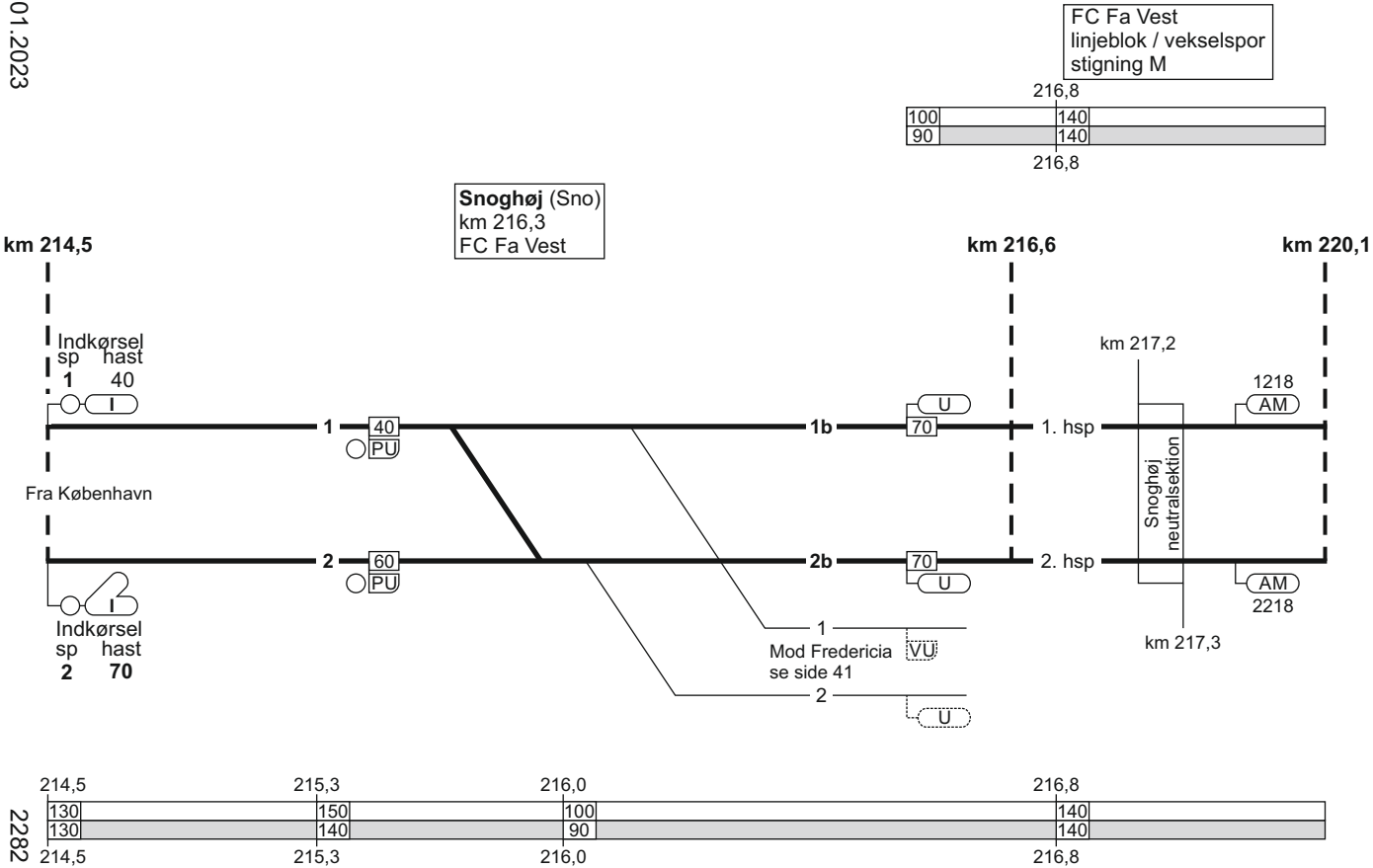




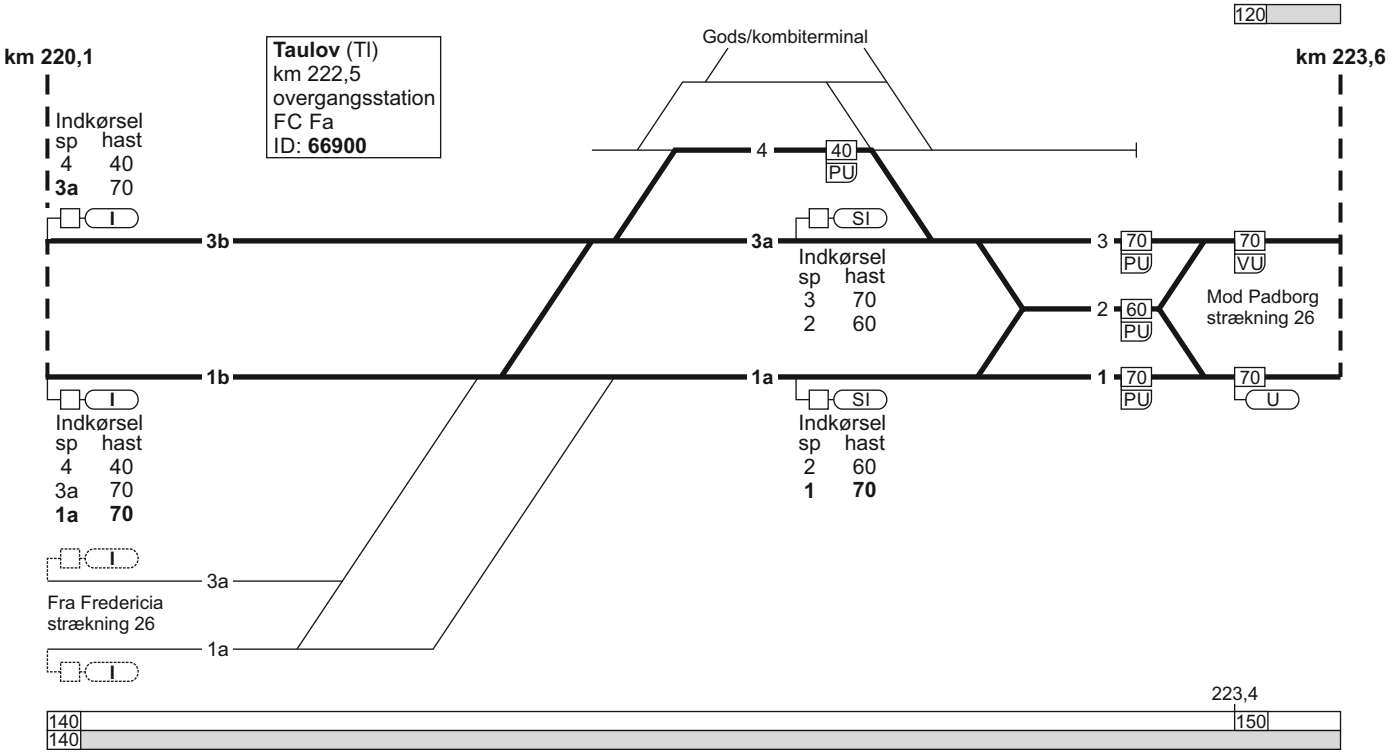
1. København H - Fredericia / Taulov



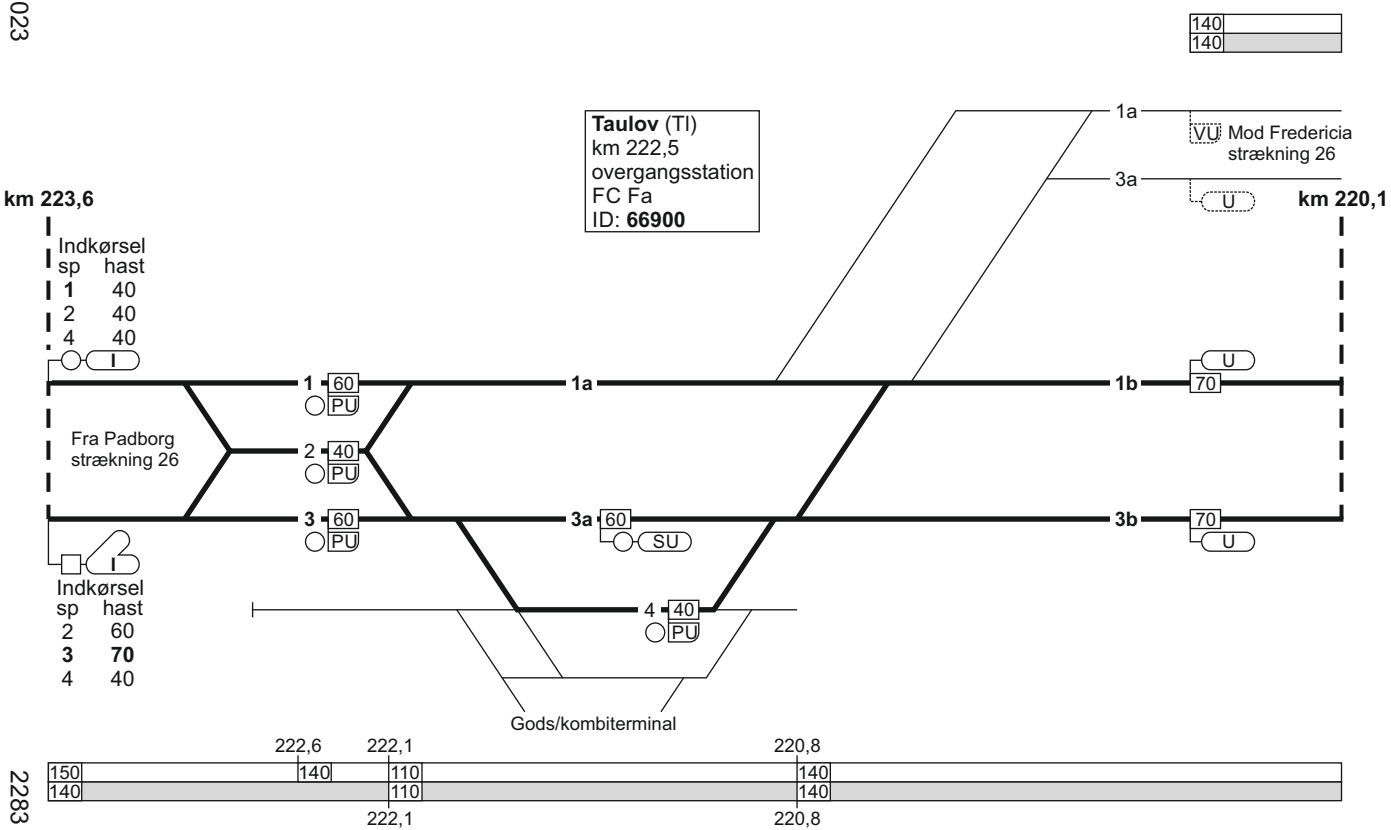
1. København H - Fredericia / Taulov



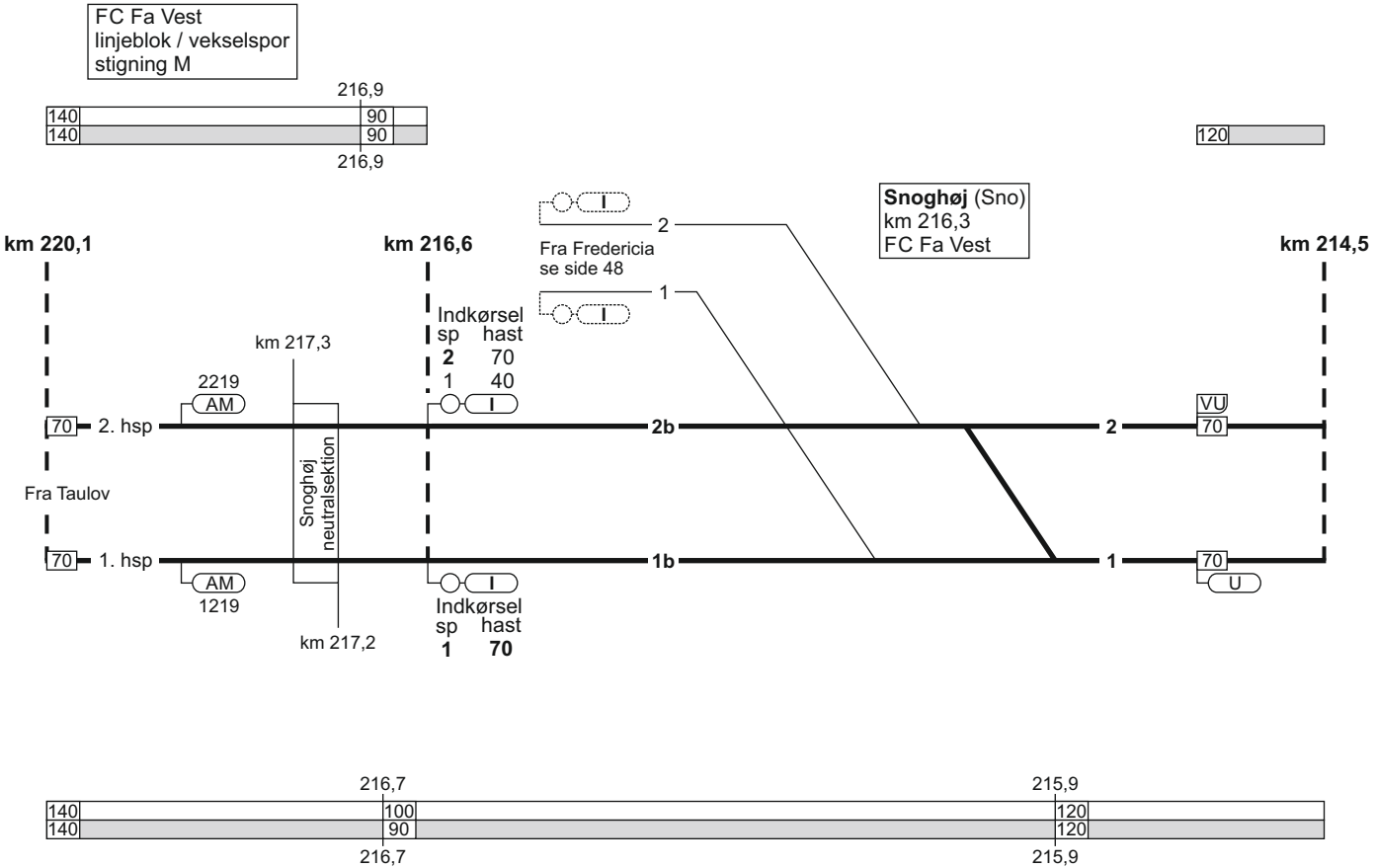
1. København H - Fredericia / Taulov



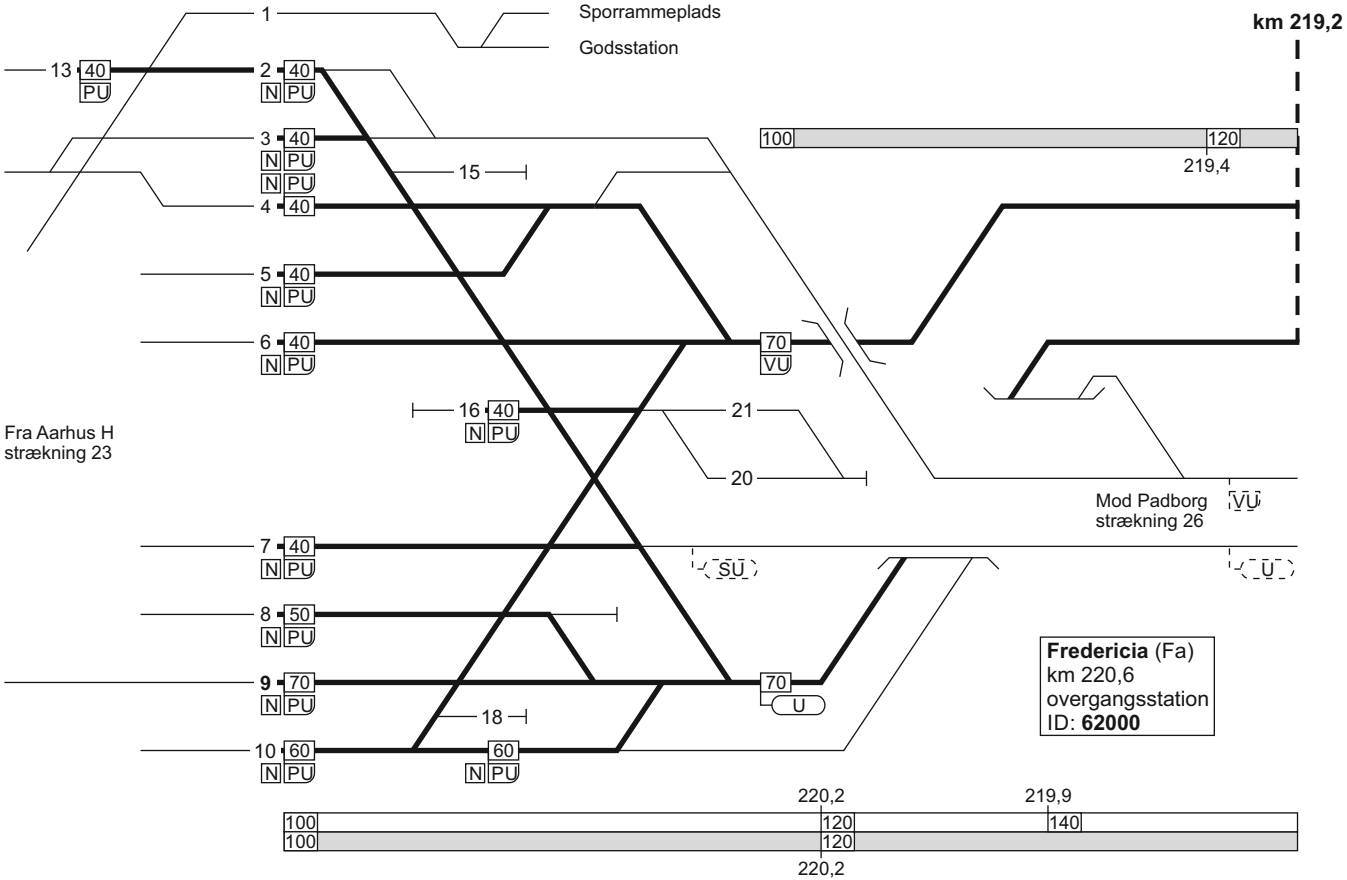
1. Taulov / Fredericia - København H



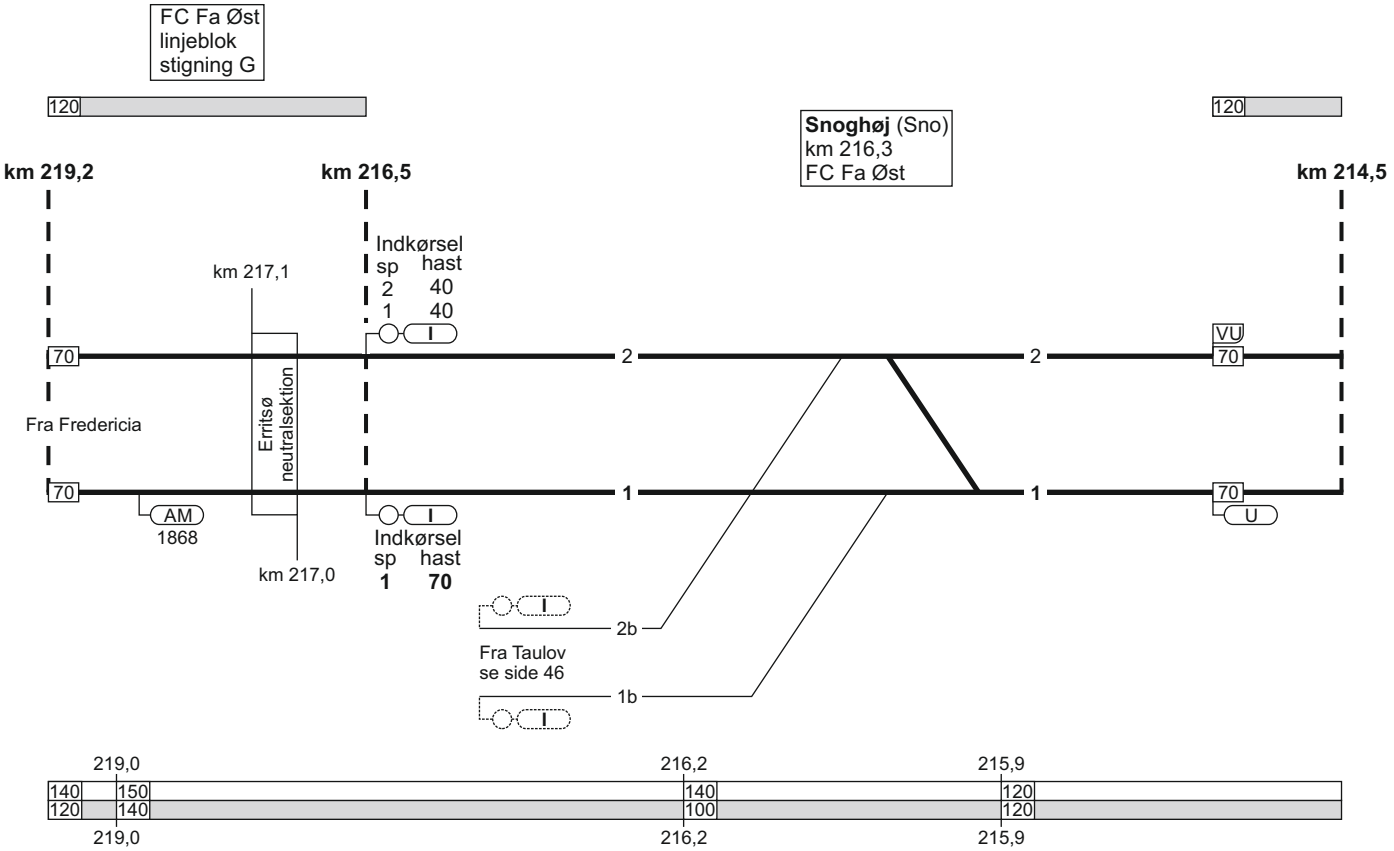
1. Taulov / Fredericia - København H



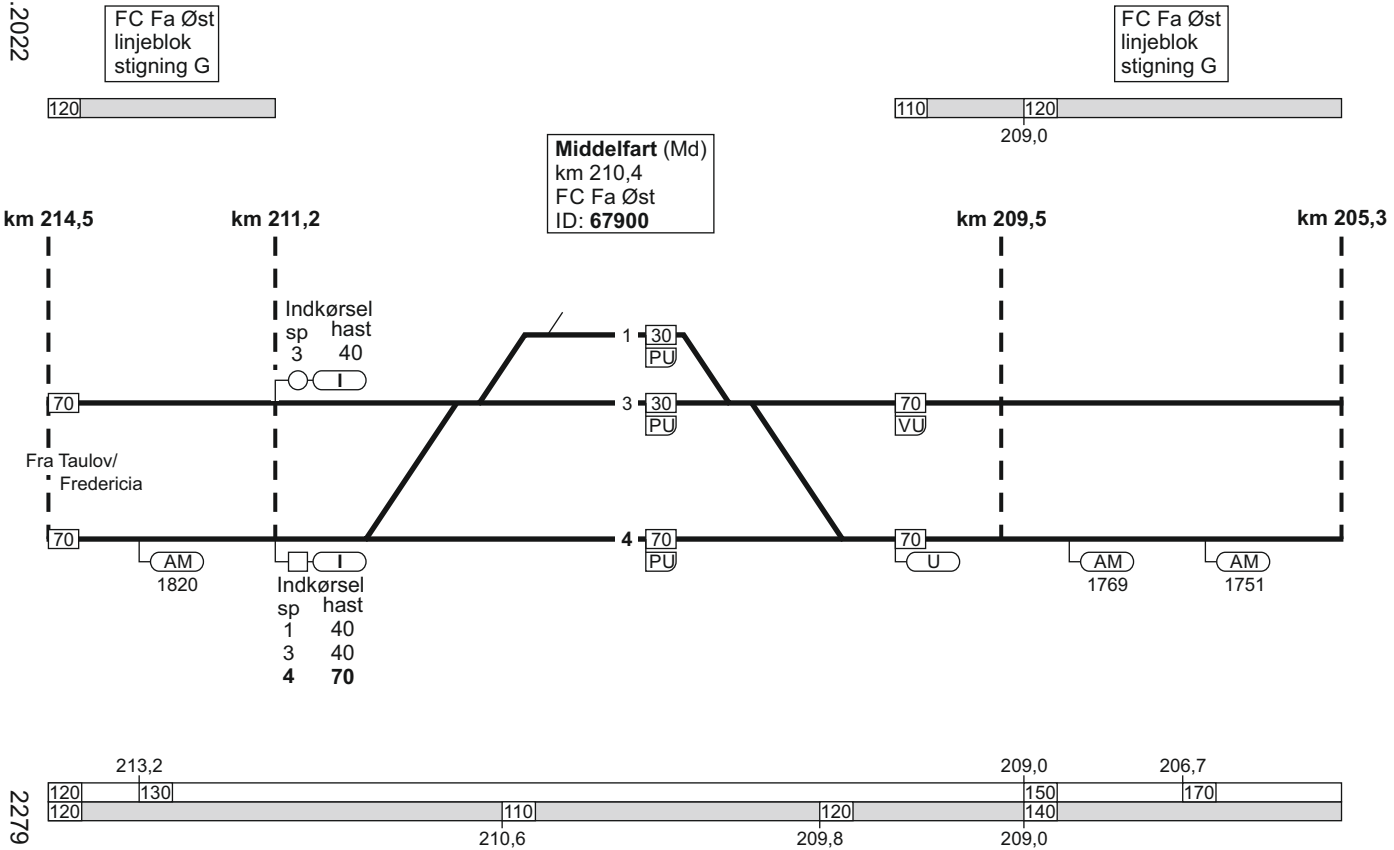
1. Taulov / Fredericia - København H



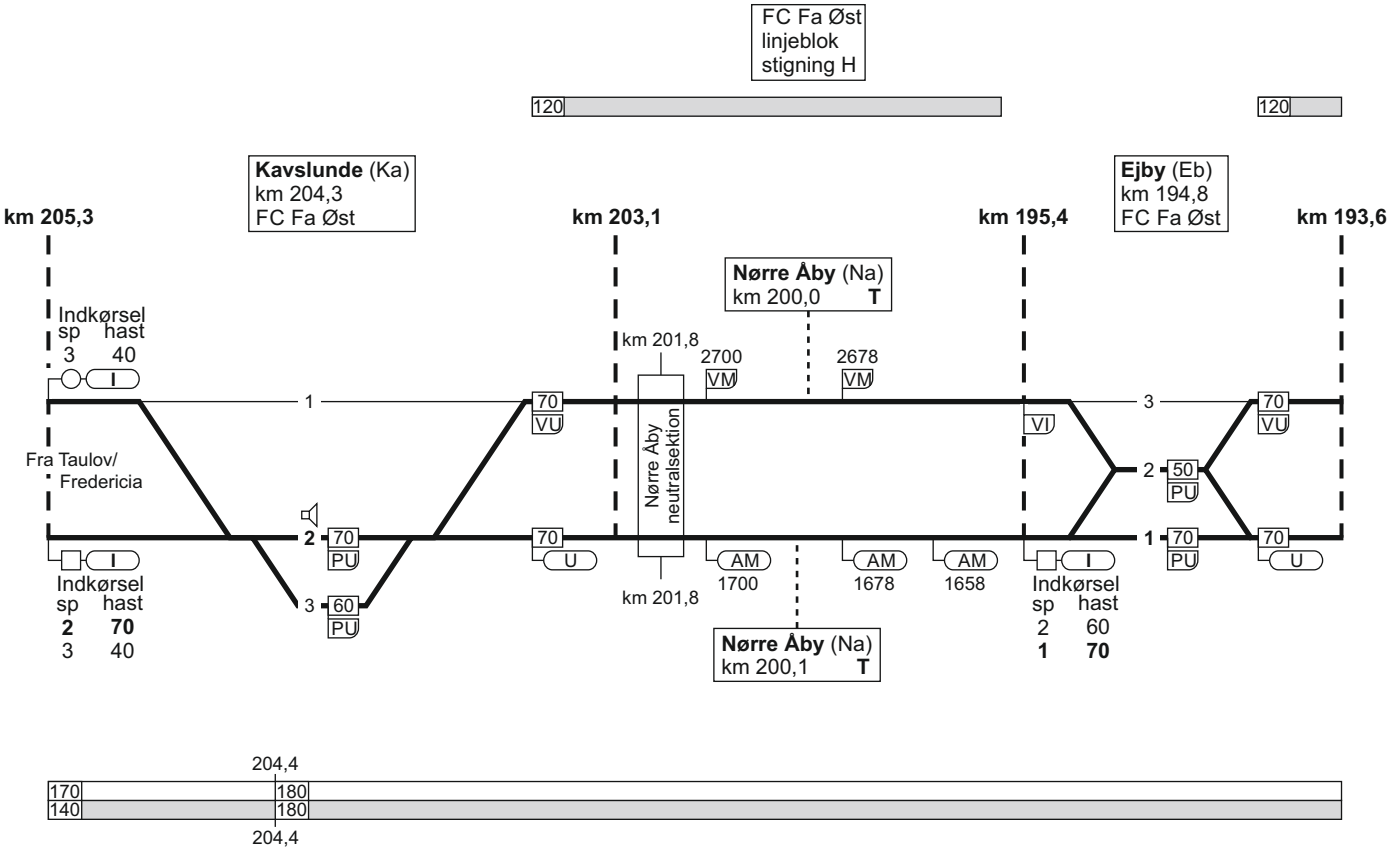
1. Taulov / Fredericia - København H



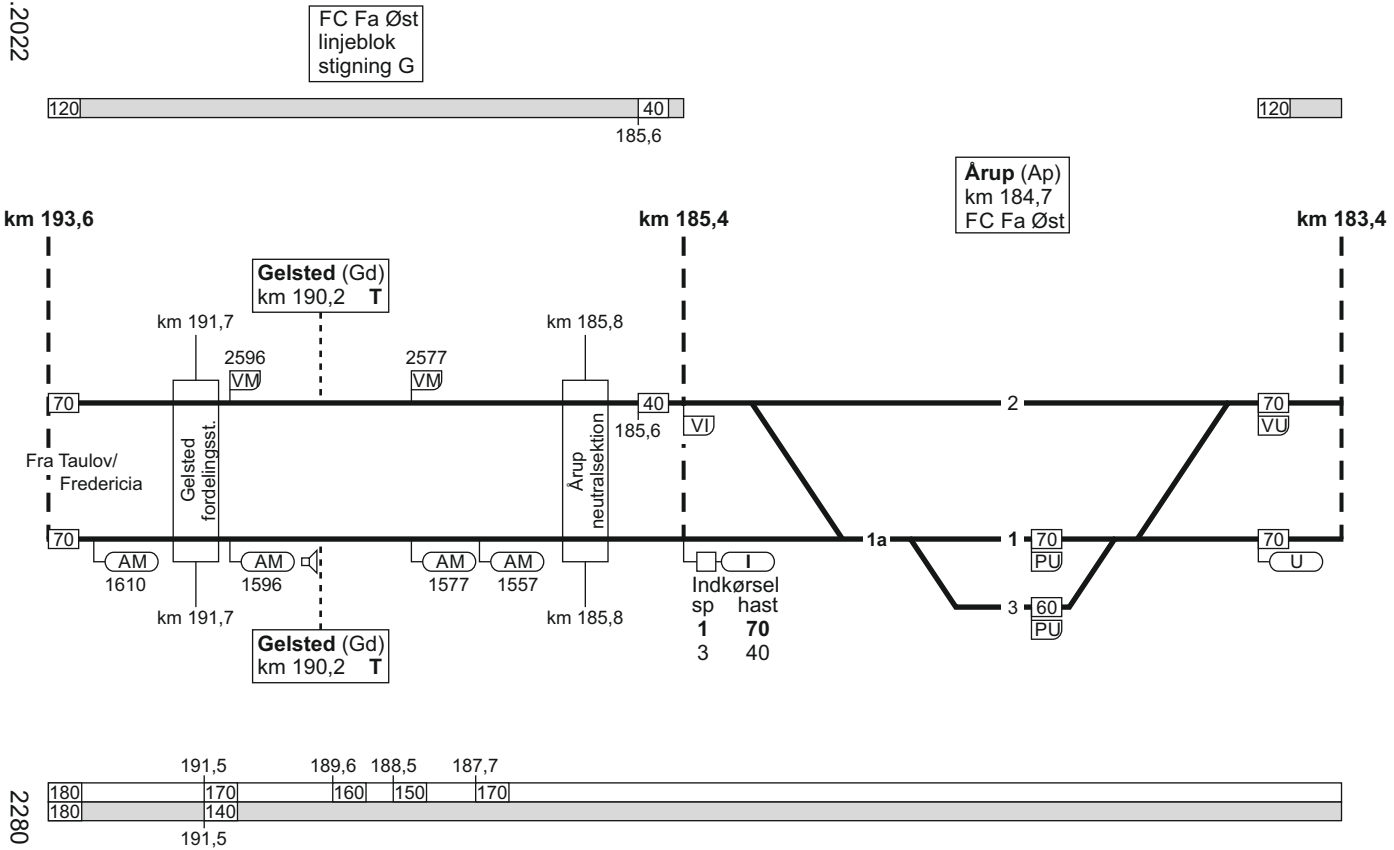
1. Taulov / Fredericia - København H



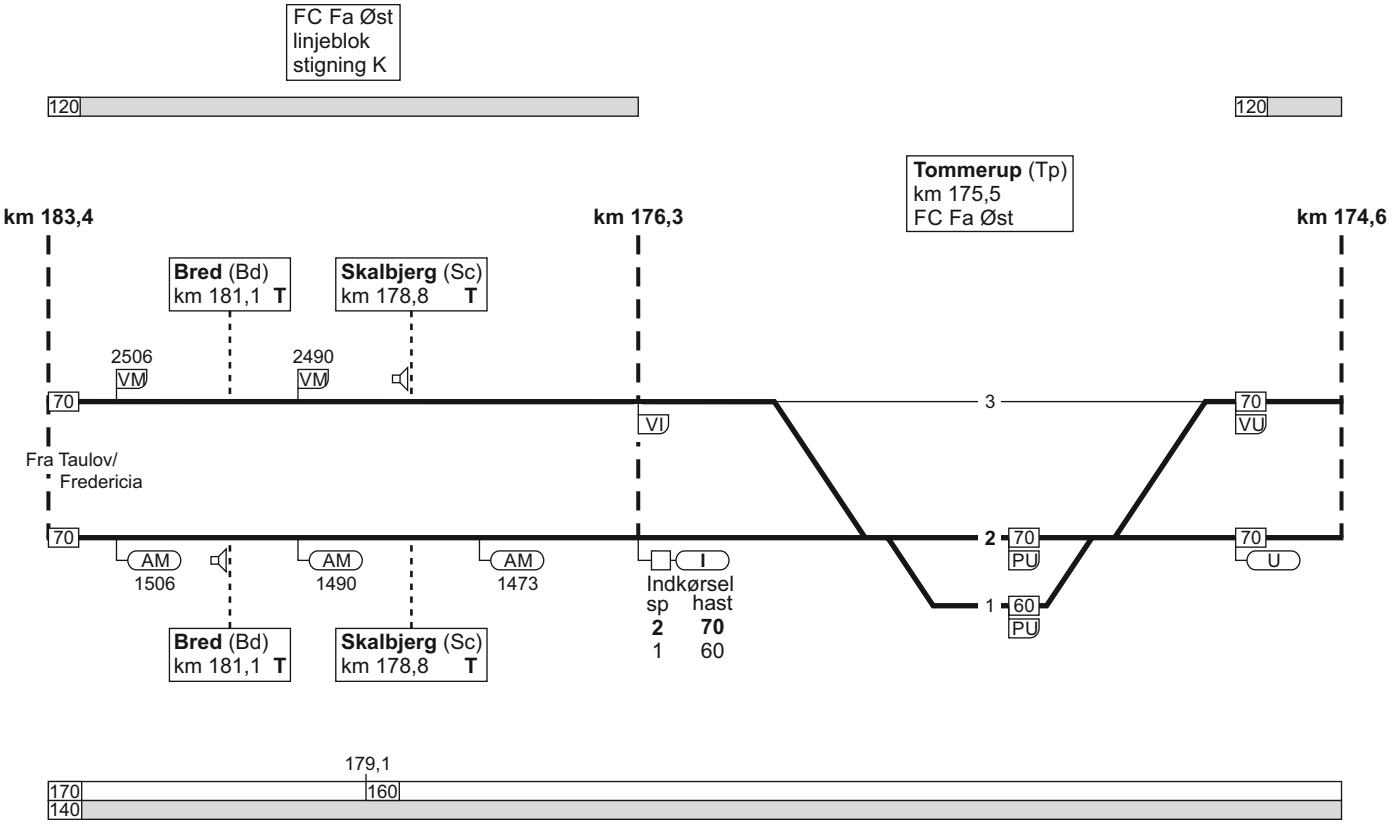
1. Taulov / Fredericia - København H



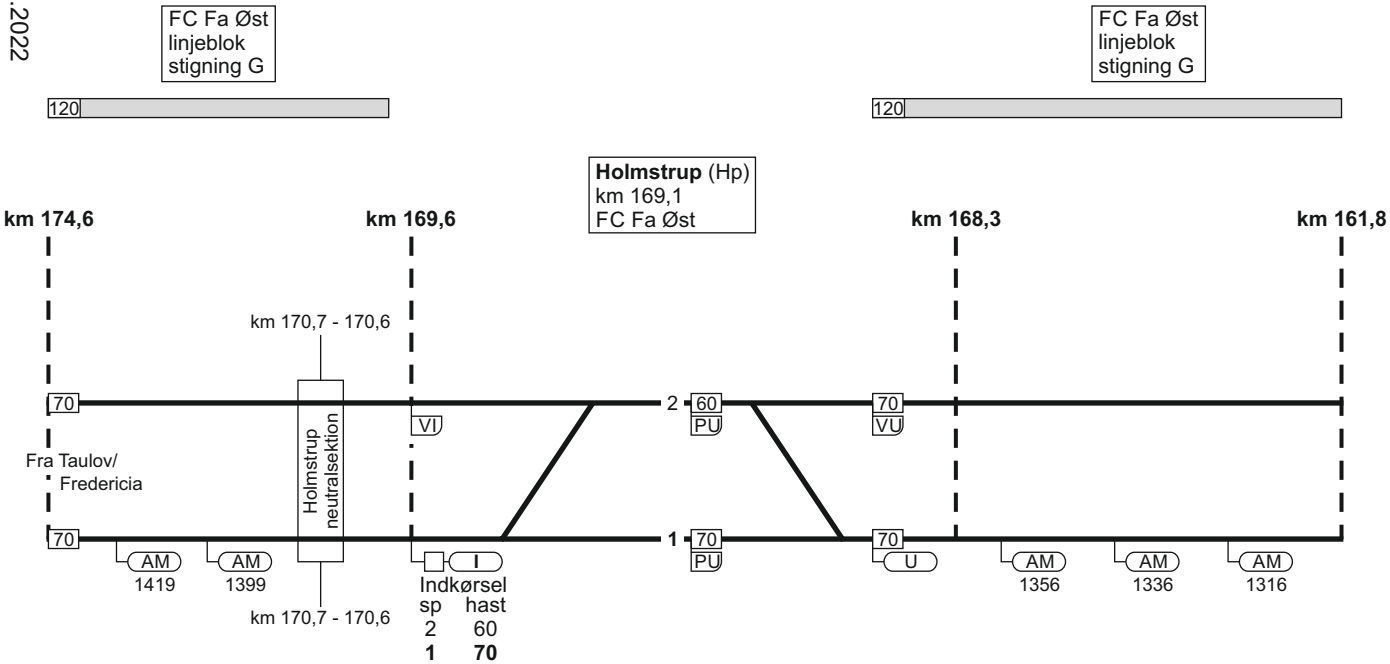
1. Taulov / Fredericia - København H

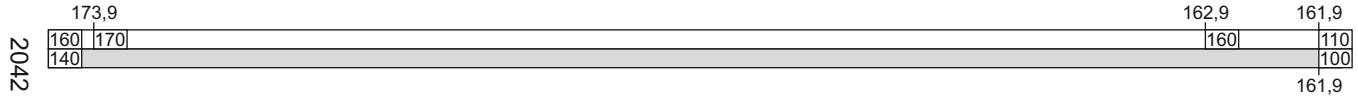


1. Taulov / Fredericia - København H

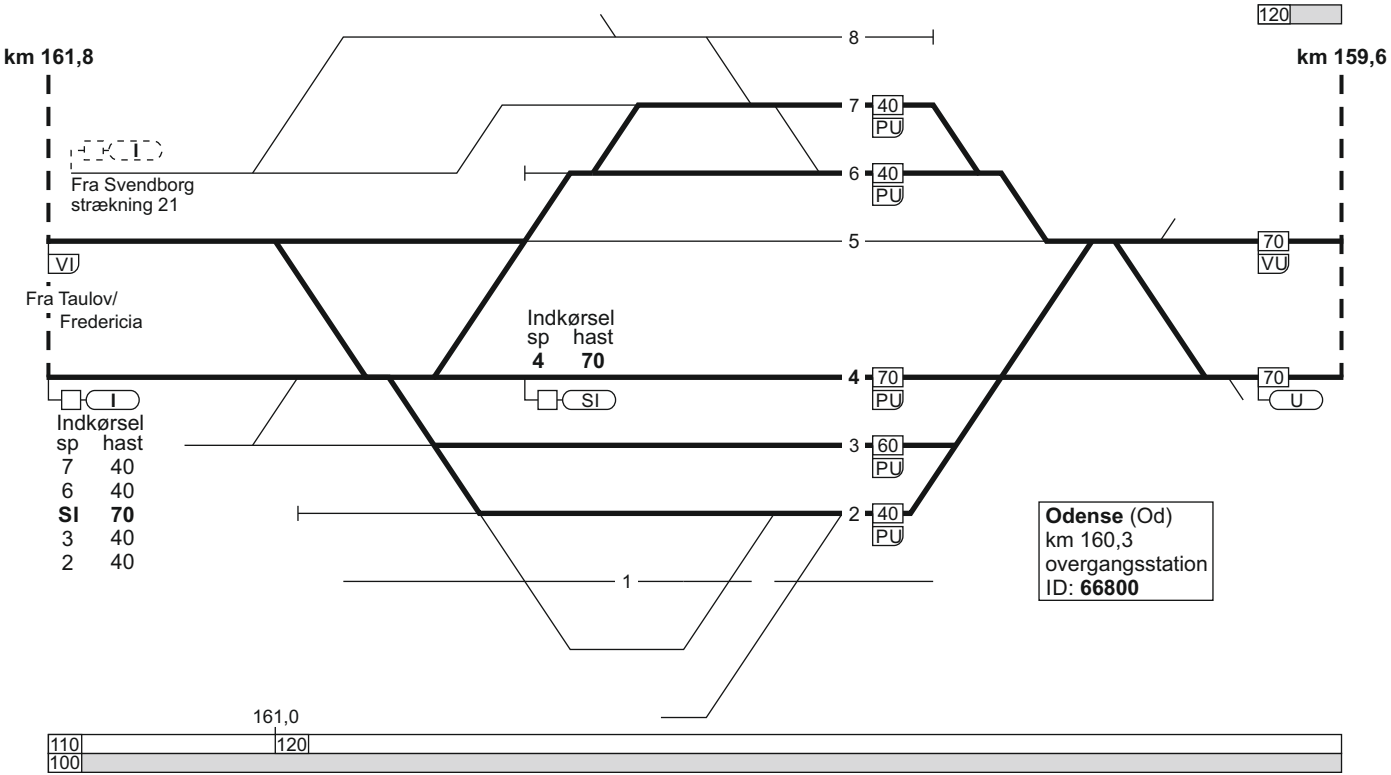


1. Taulov / Fredericia - København H

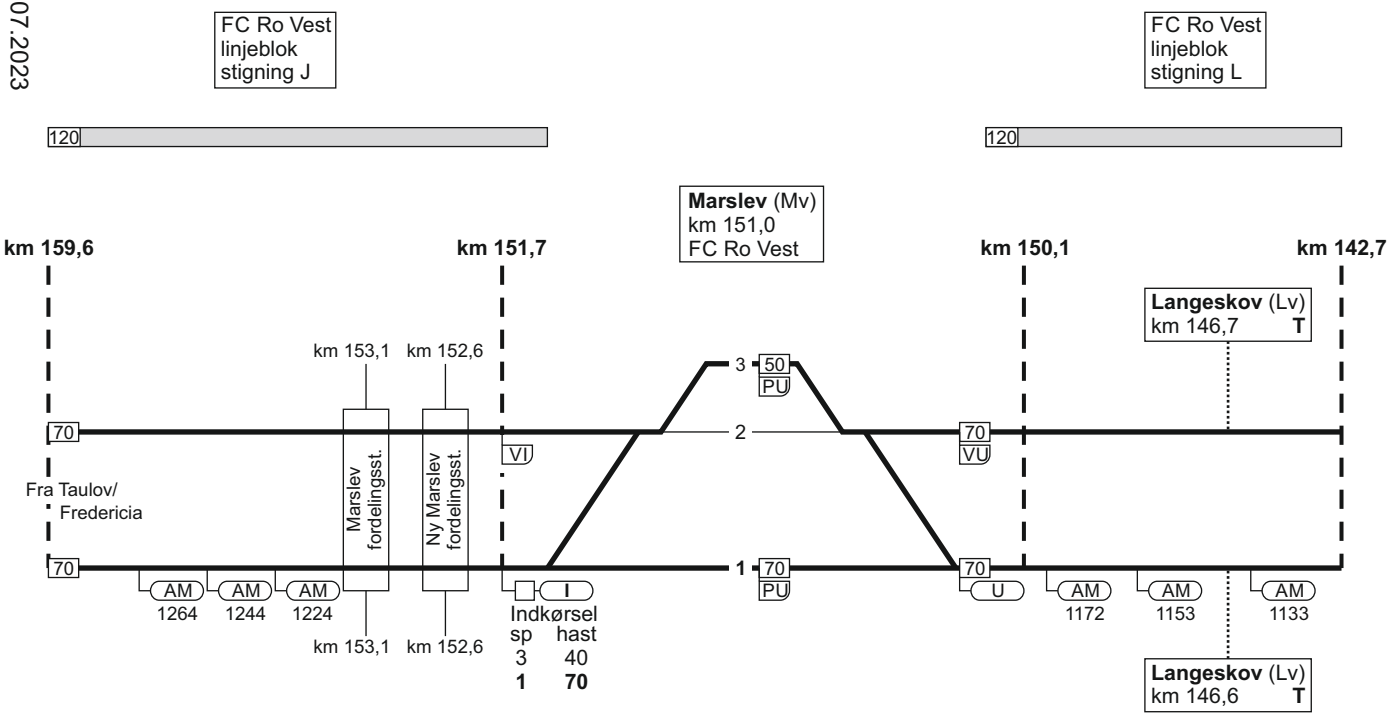


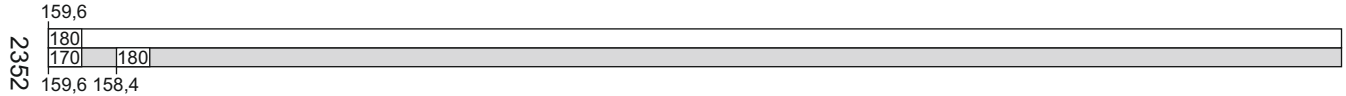


1. Taulov / Fredericia - København H

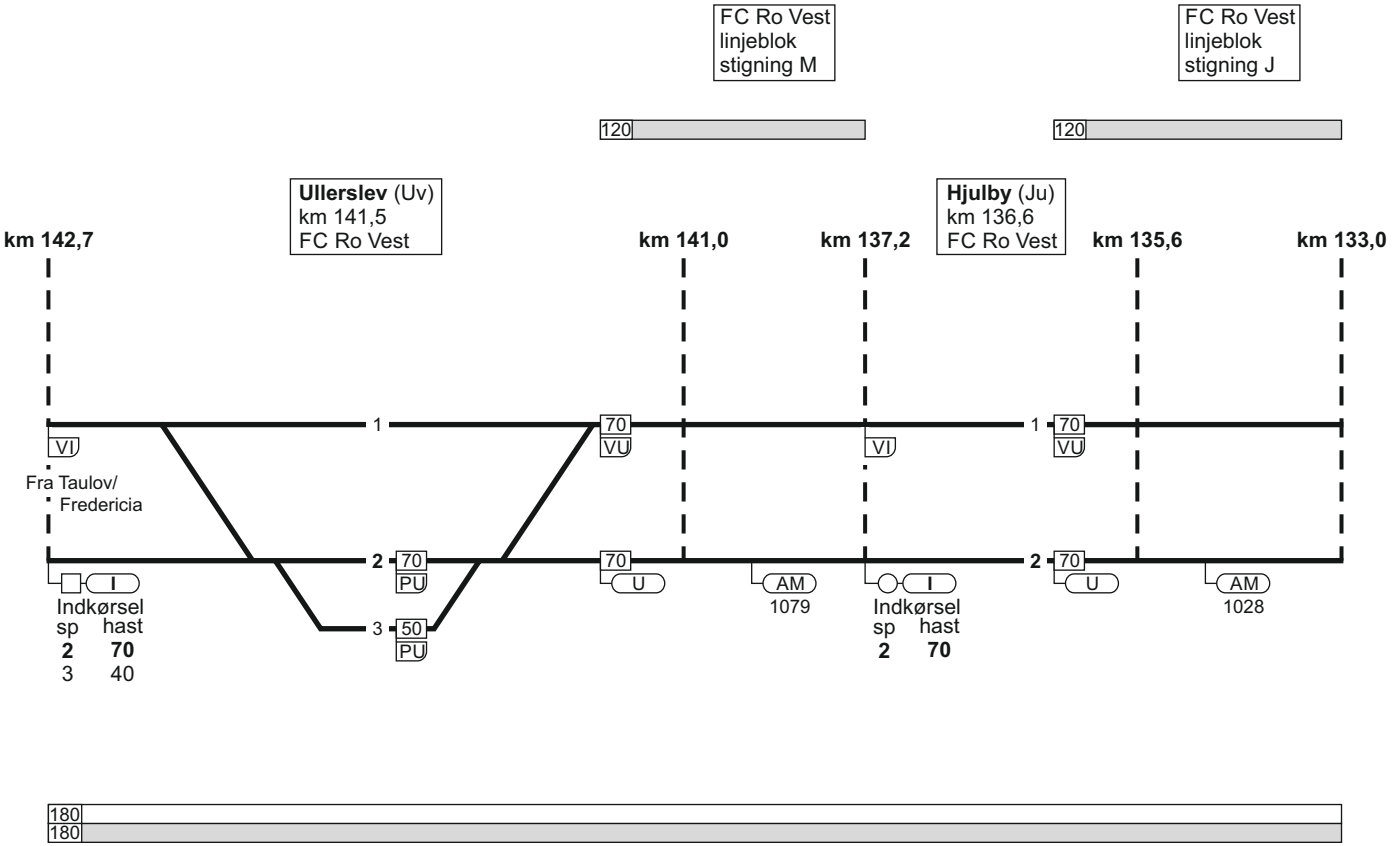


1. Taulov / Fredericia - København H



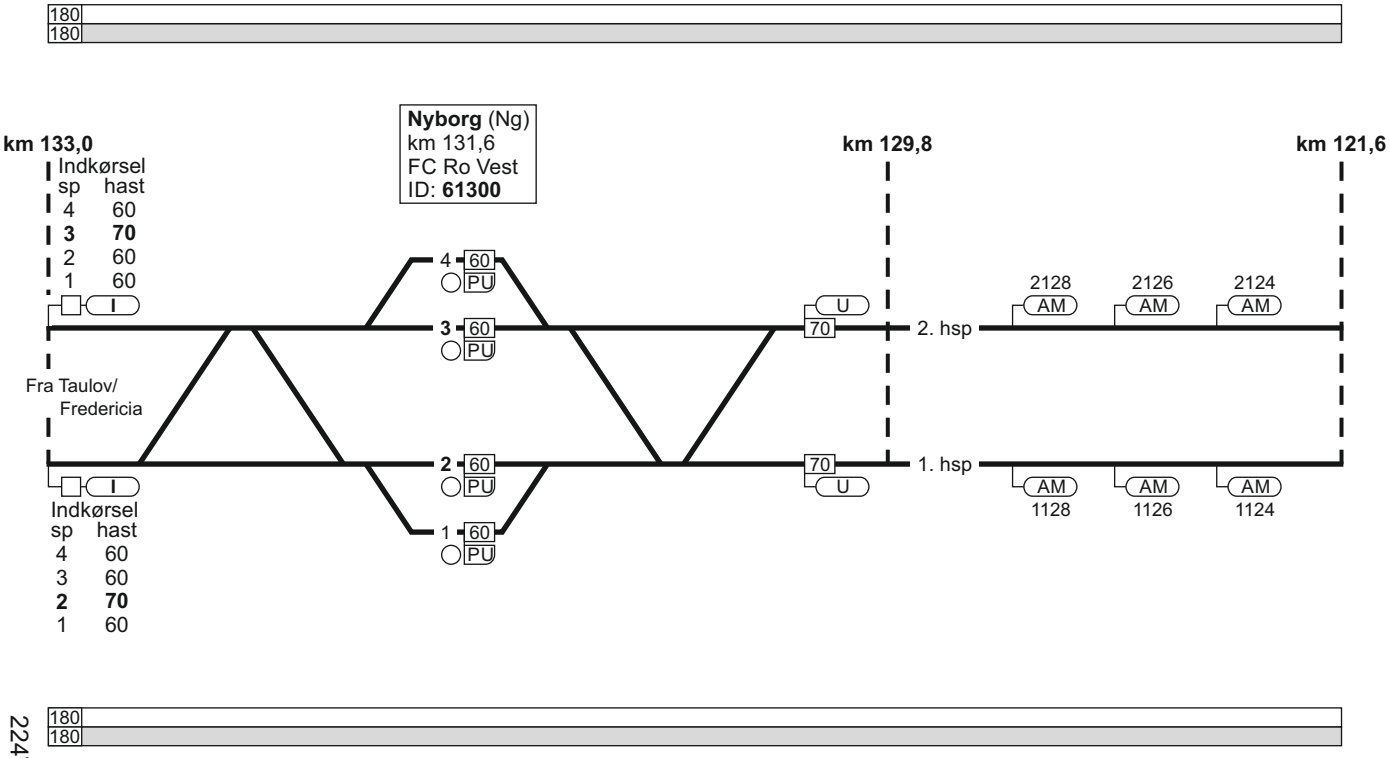


1. Taulov / Fredericia - København H

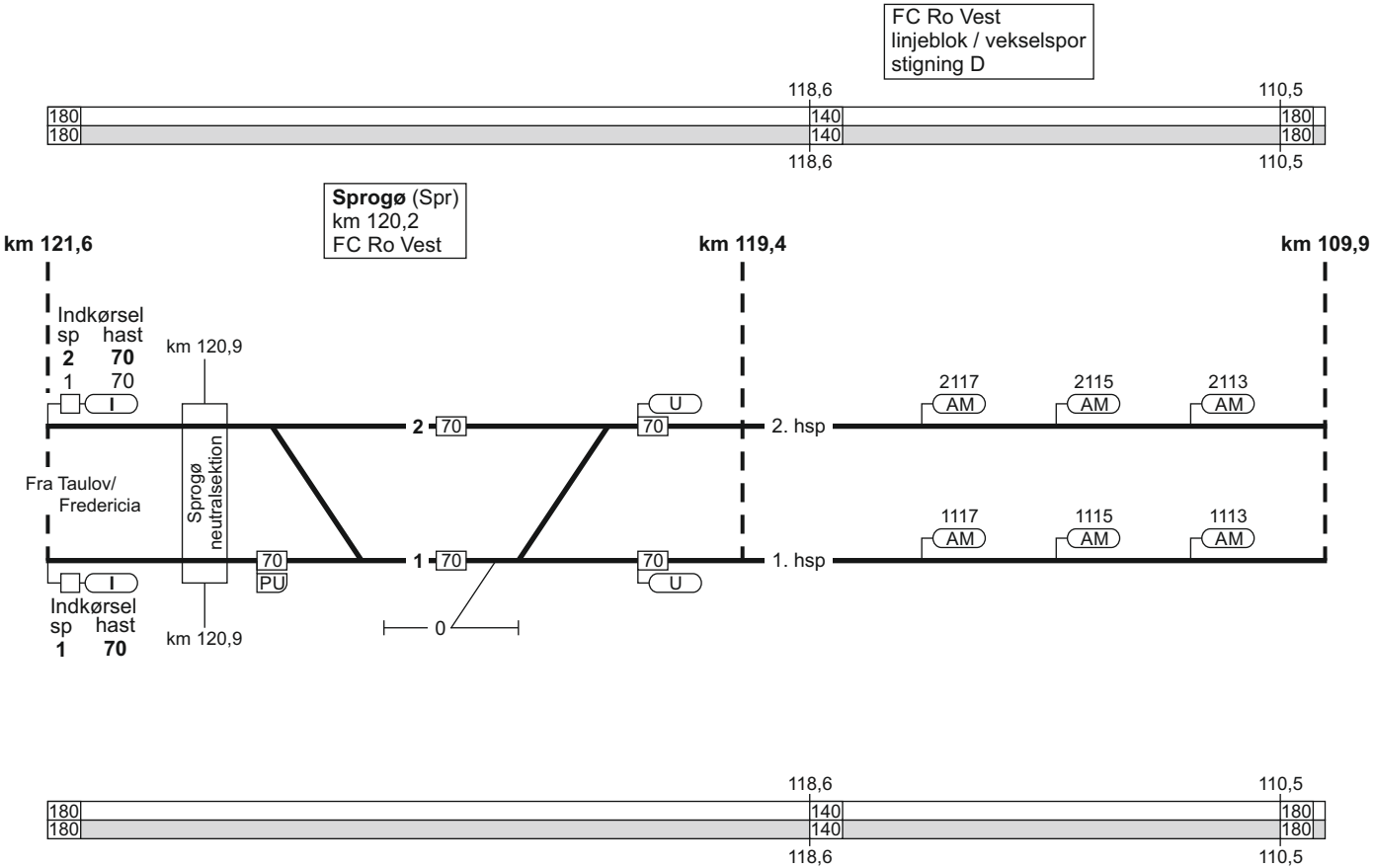


1. Taulov / Fredericia - København H

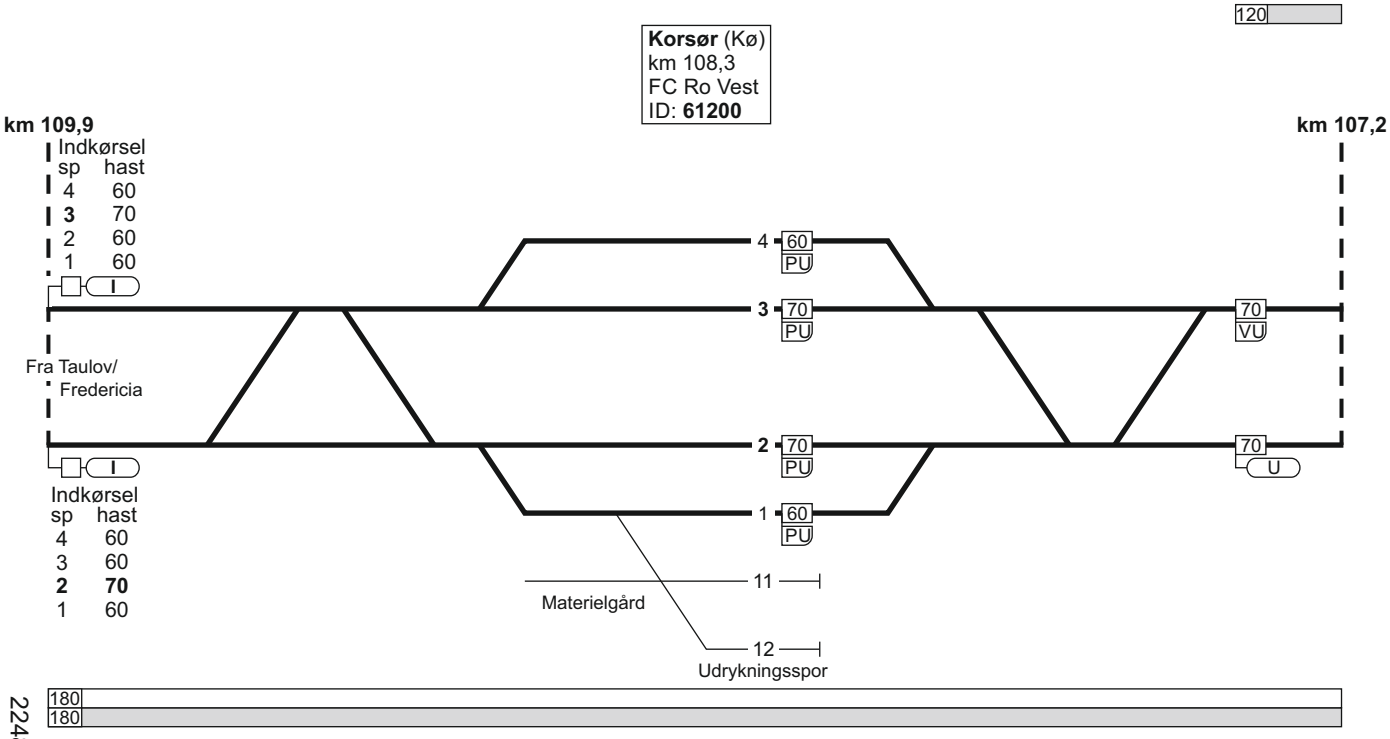
FC Ro Vest
linjeblok / vekselspor
stigning F



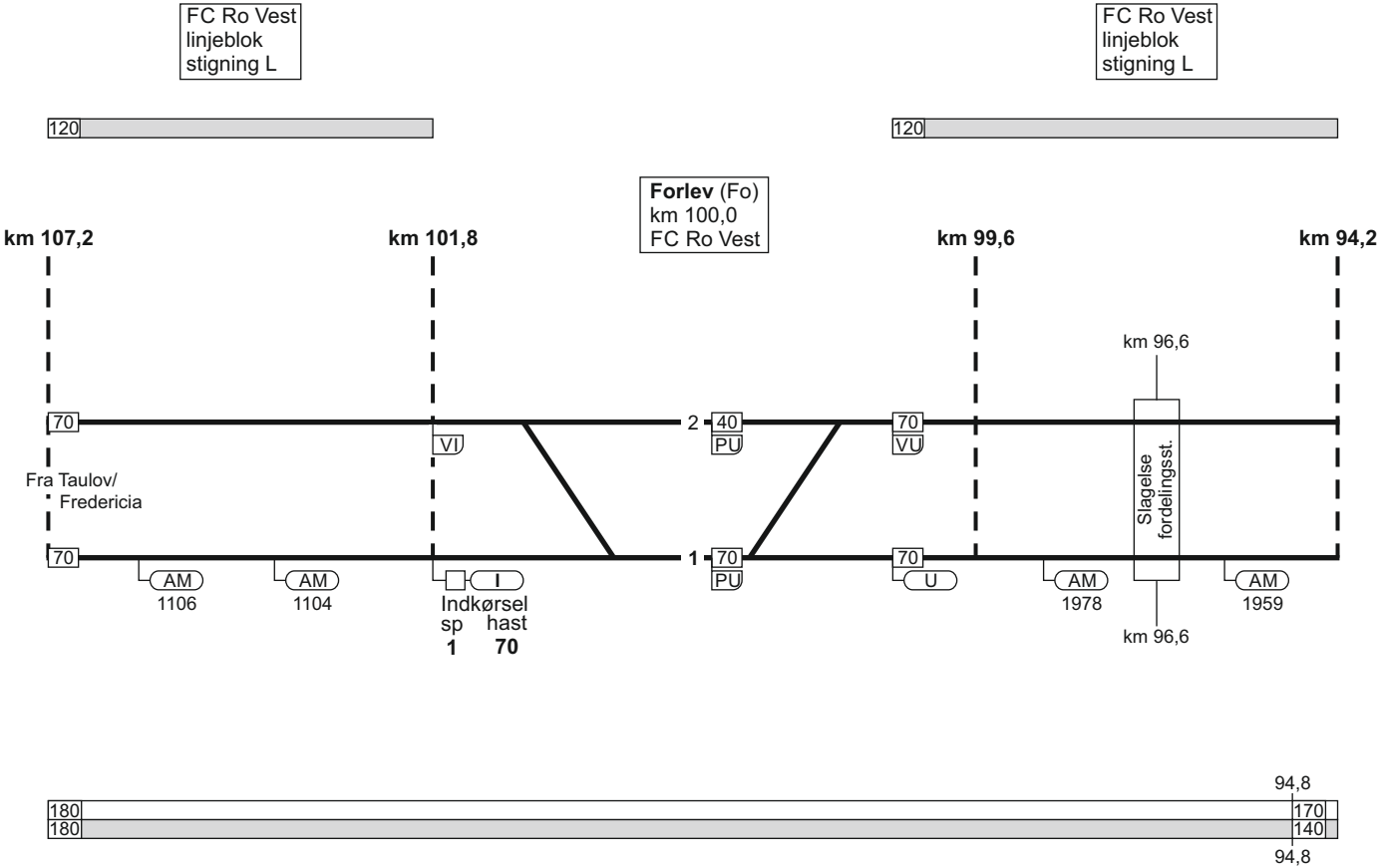
1. Taulov / Fredericia - København H



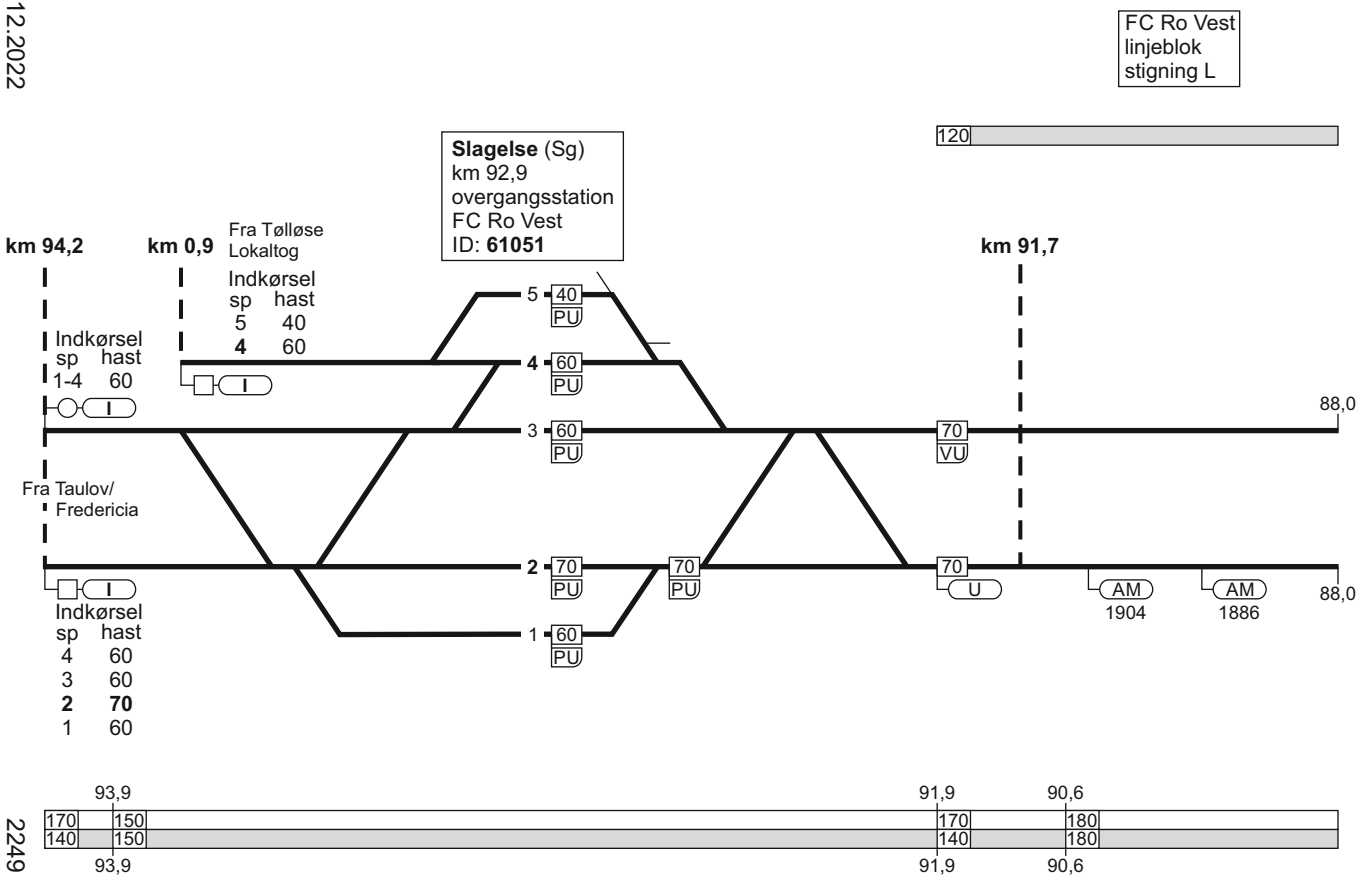
1. Taulov / Fredericia - København H



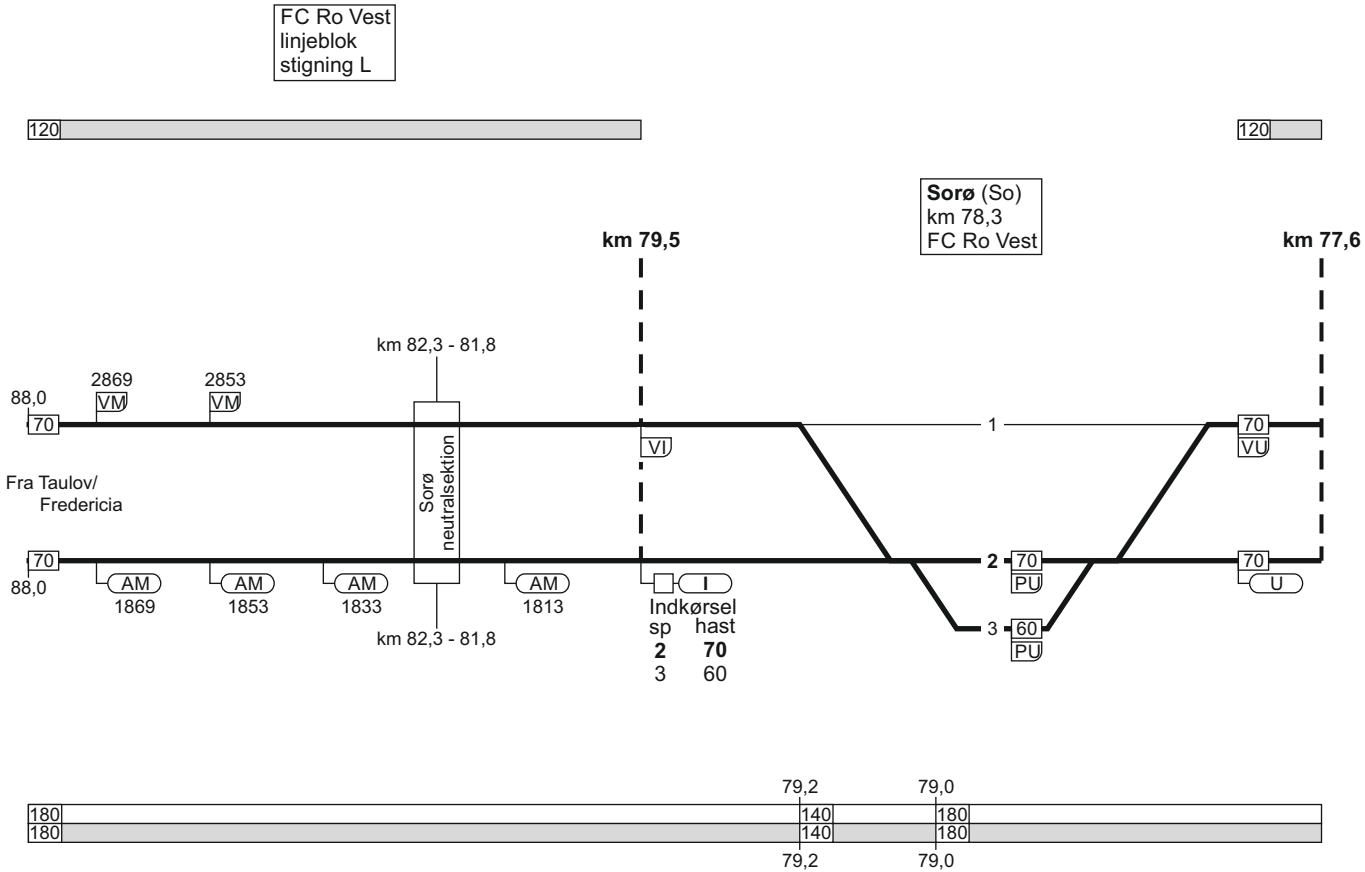
1. Taulov / Fredericia - København H



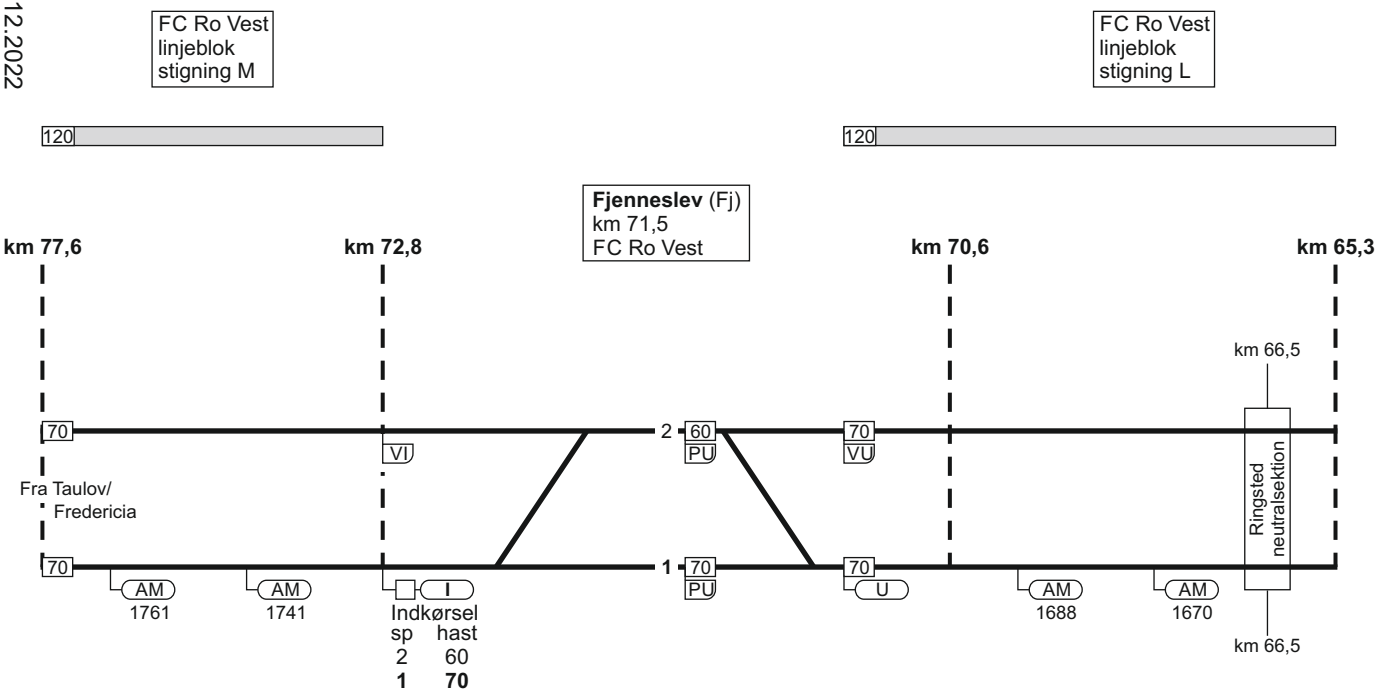
1. Taulov / Fredericia - København H



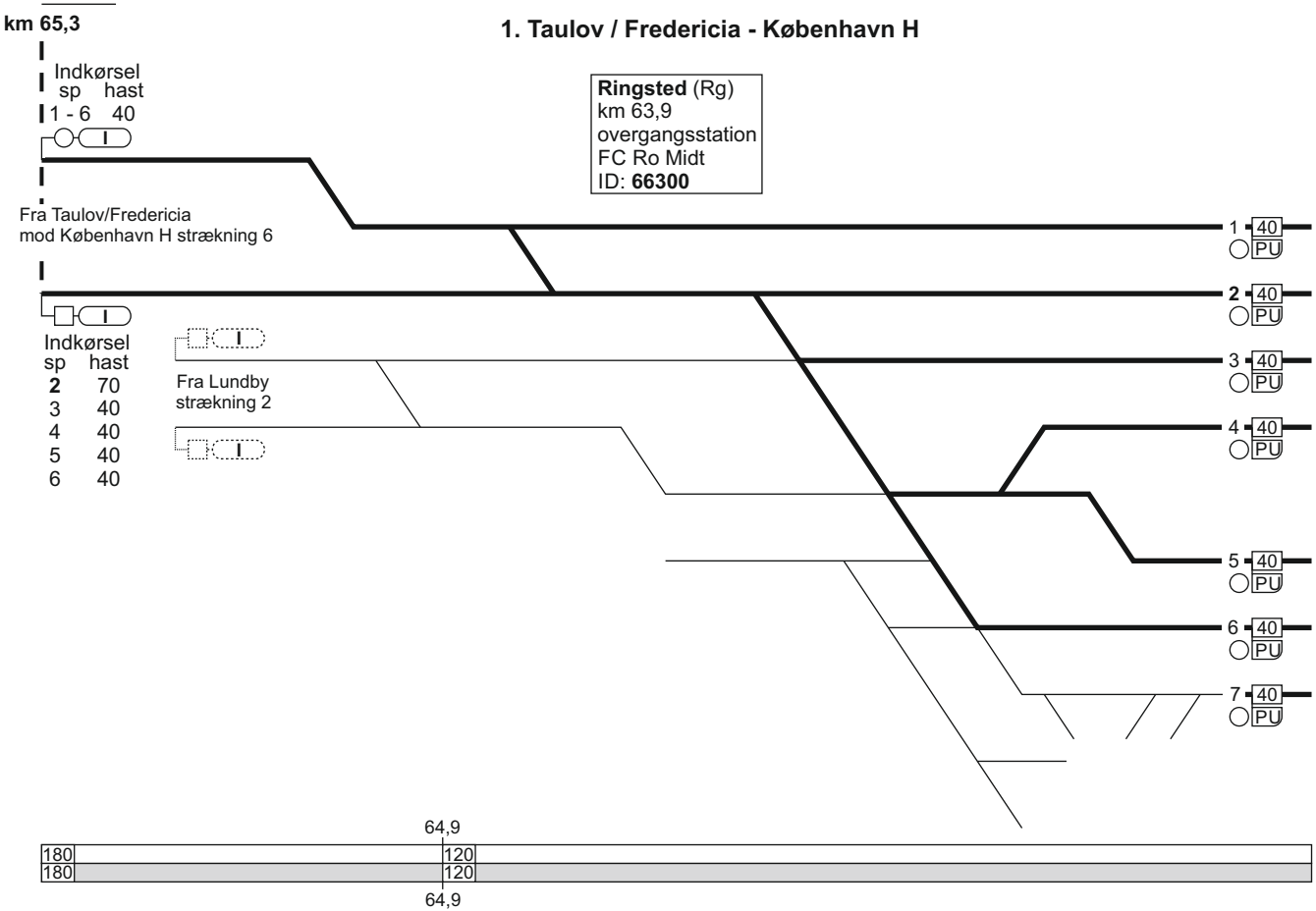
1. Taulov / Fredericia - København H



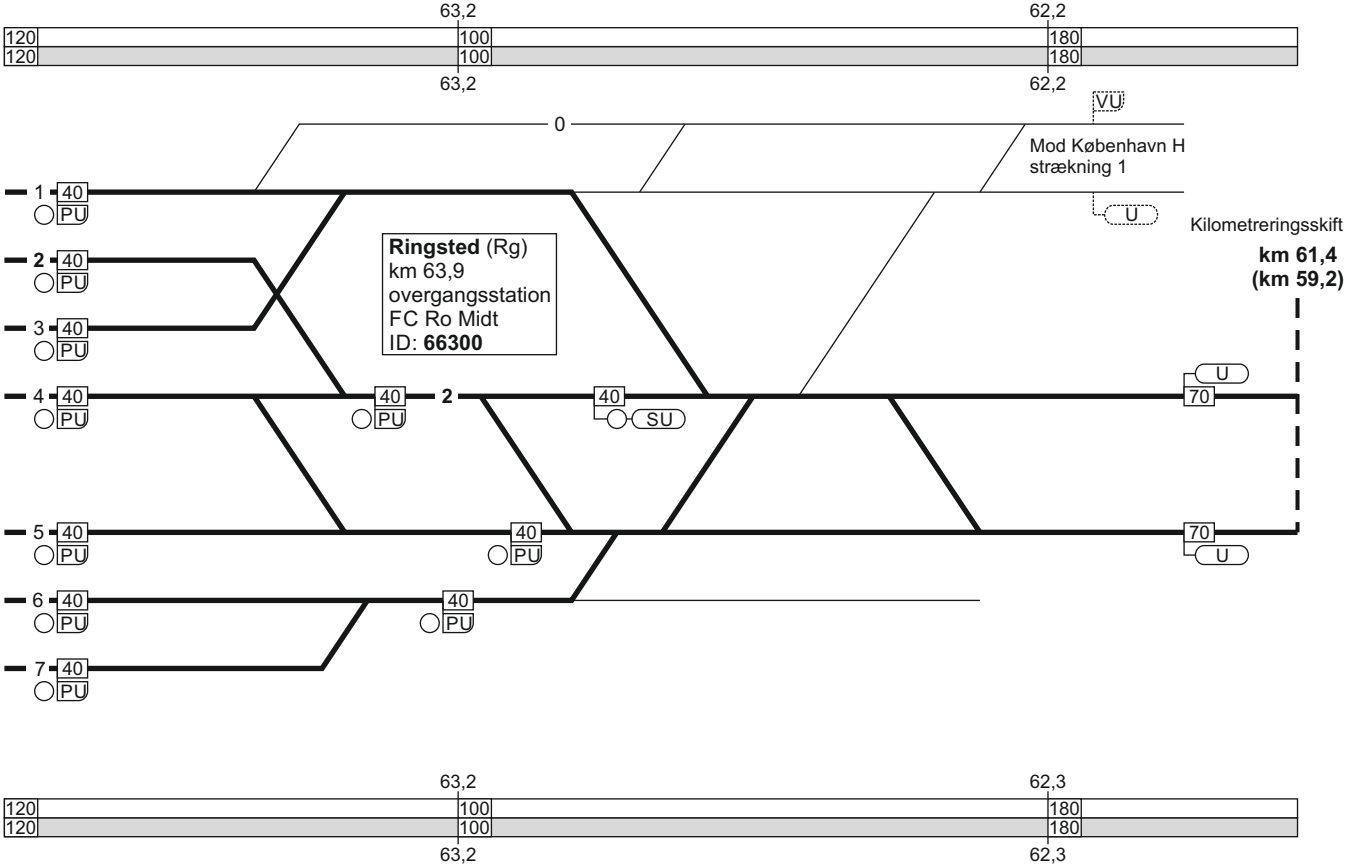
1. Taulov / Fredericia - København H



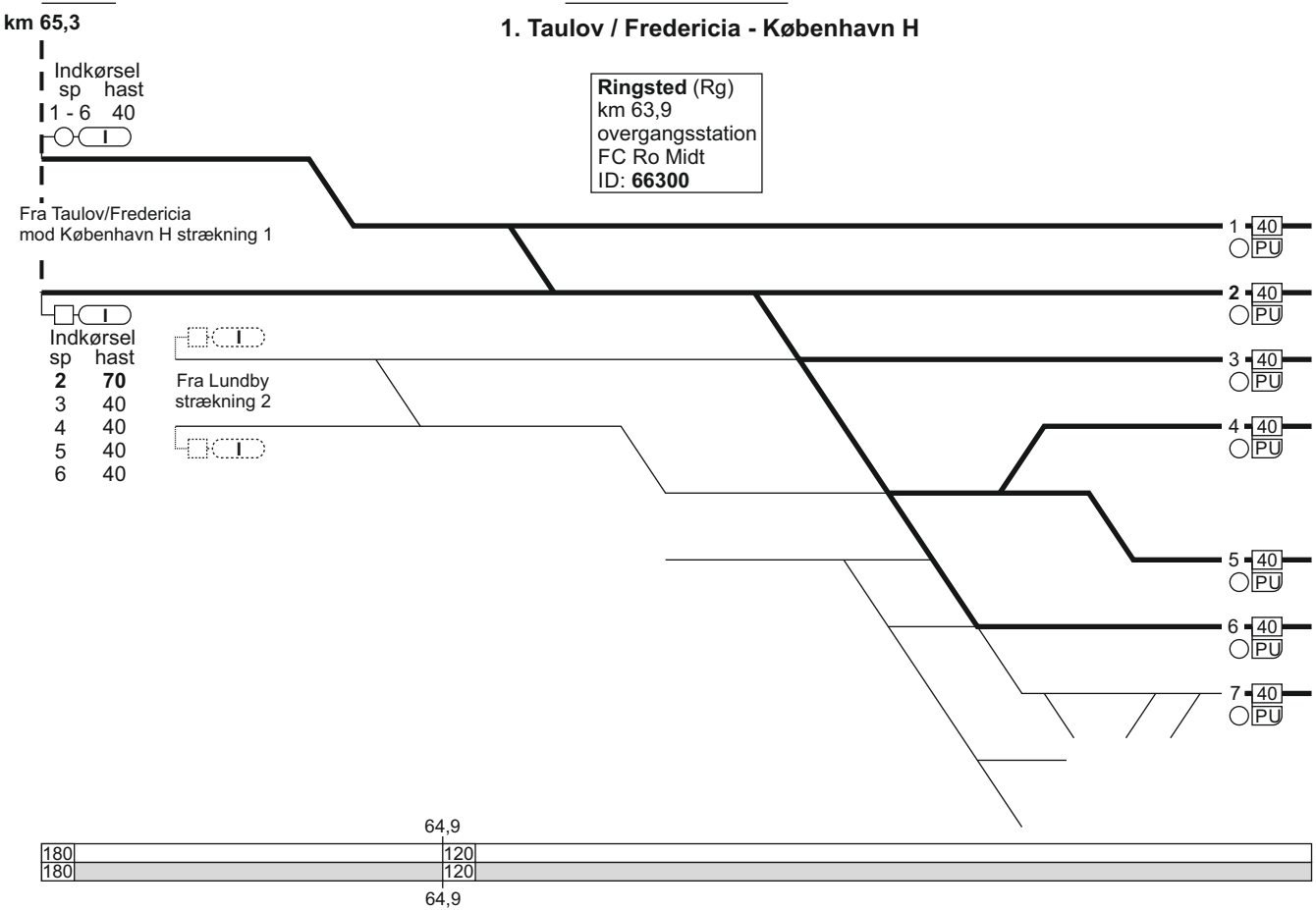
1. Taulov / Fredericia - København H



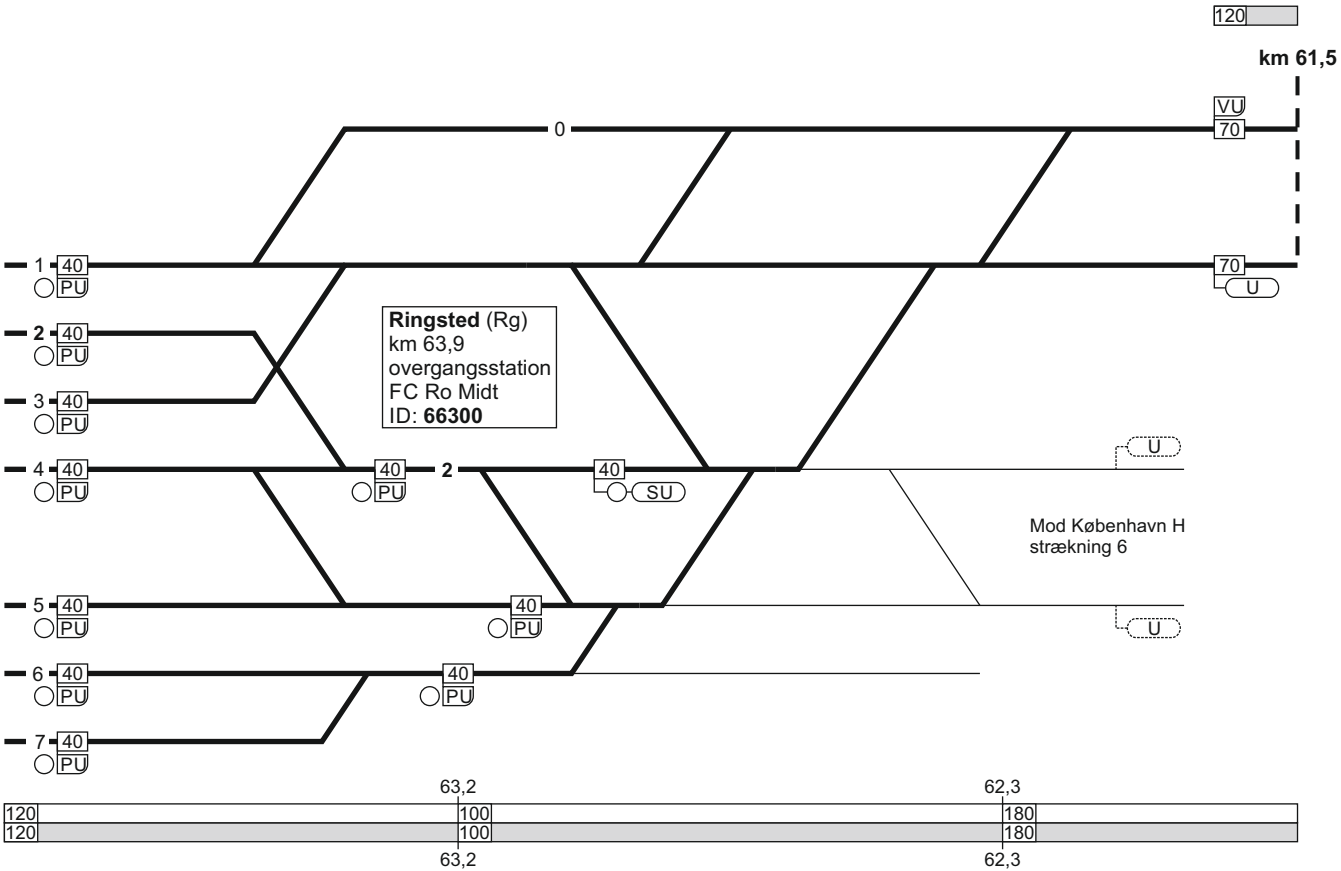
1. Taulov / Fredericia - København H



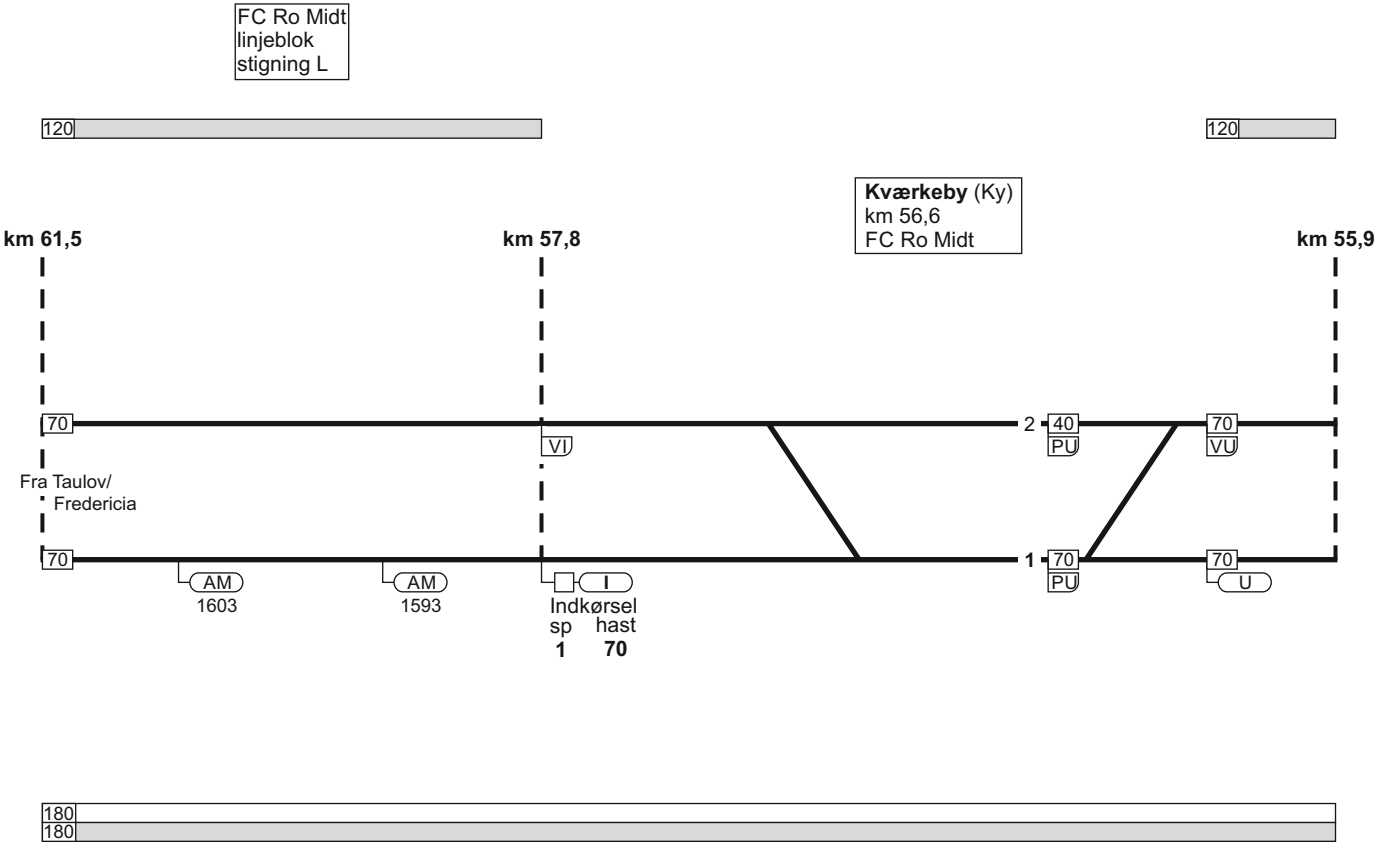
1. Taulov / Fredericia - København H



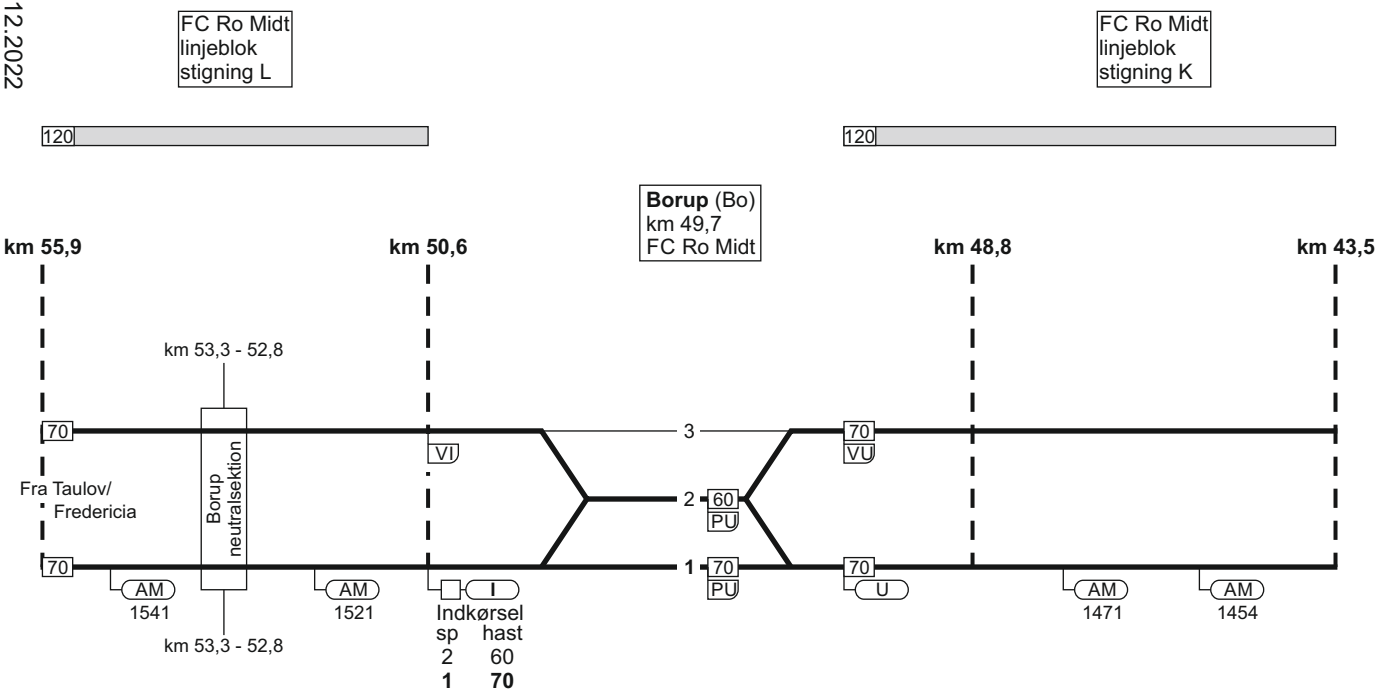
1. Taulov / Fredericia - København H

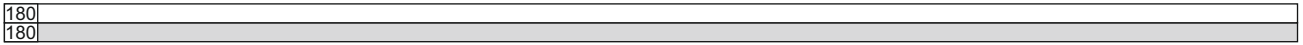


1. Taulov / Fredericia - København H

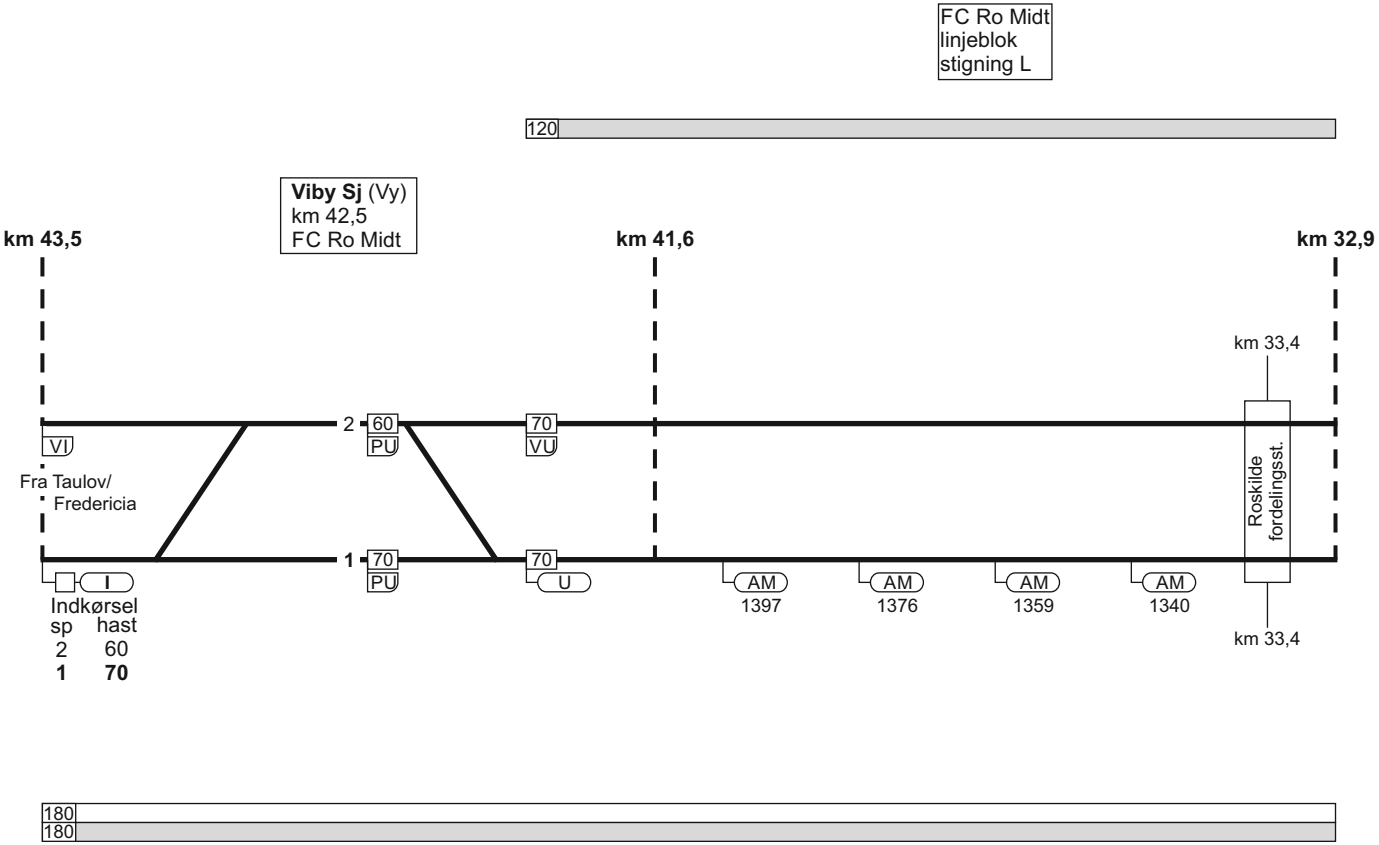


1. Taulov / Fredericia - København H

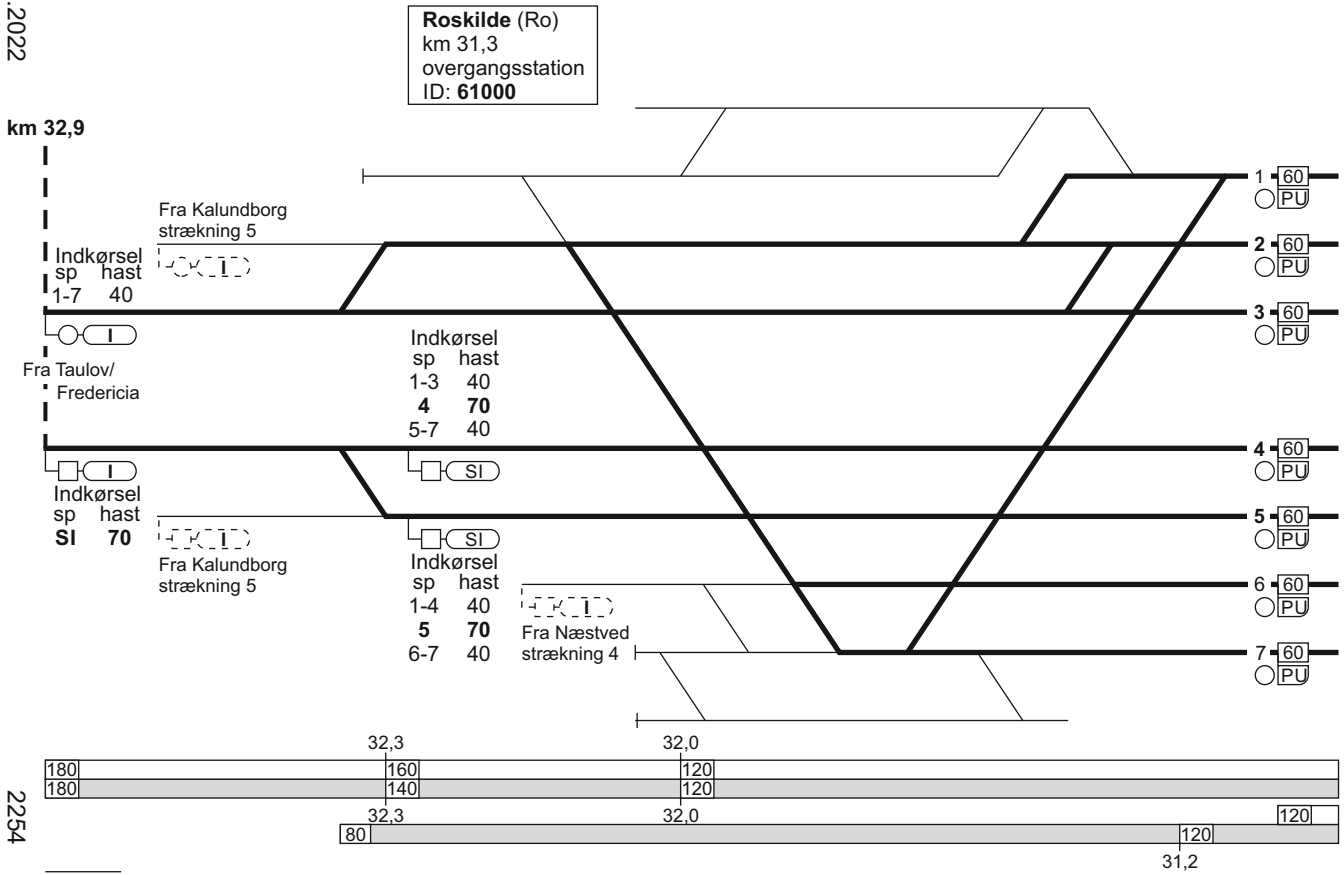




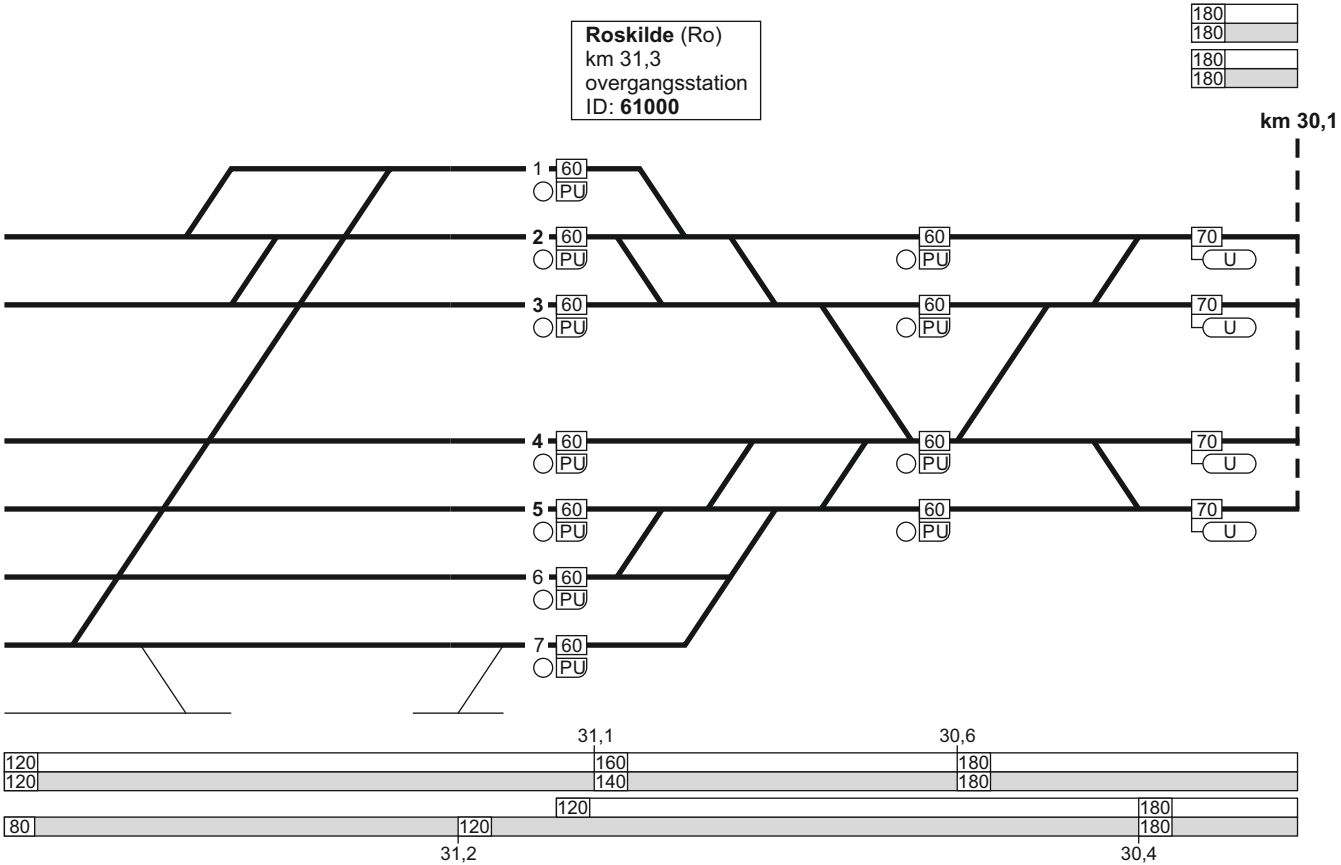
1. Taulov / Fredericia - København H



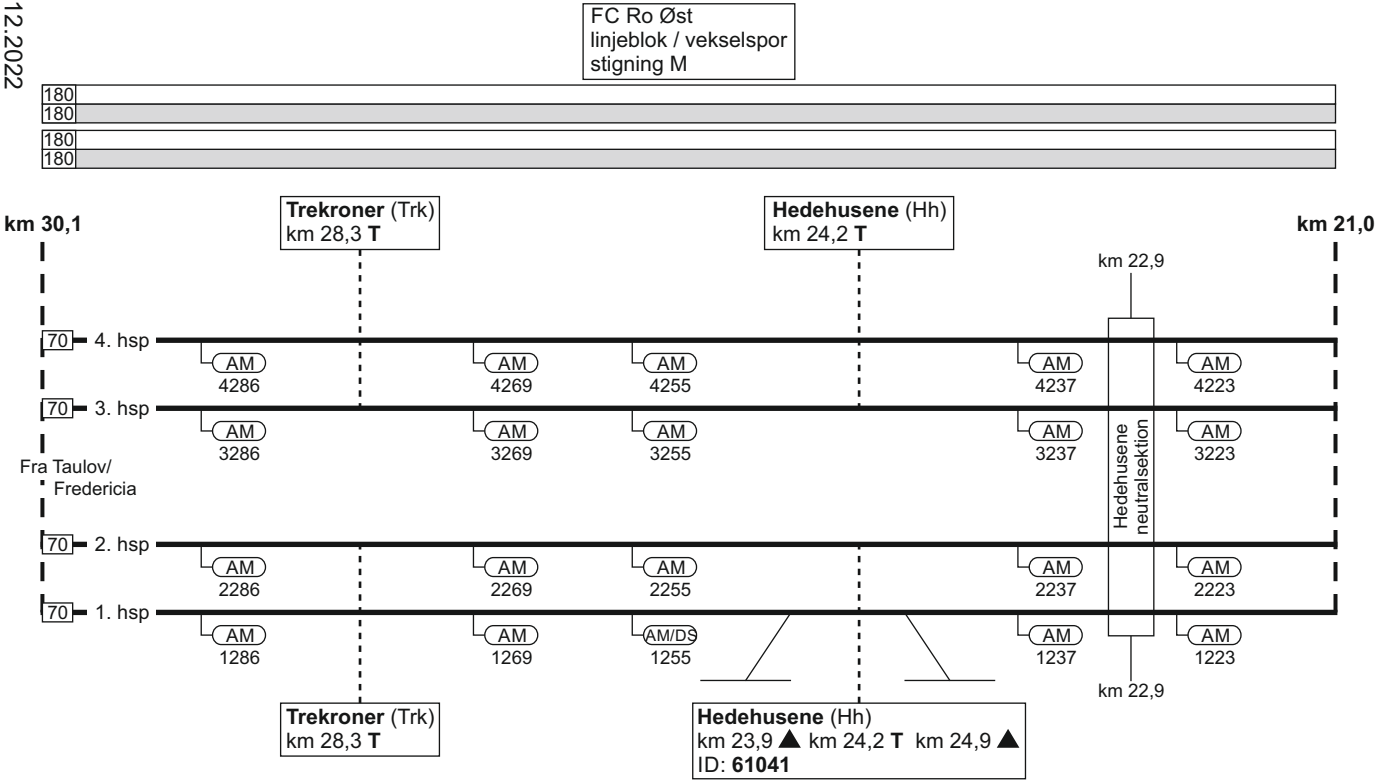
1. Taulov / Fredericia - København H



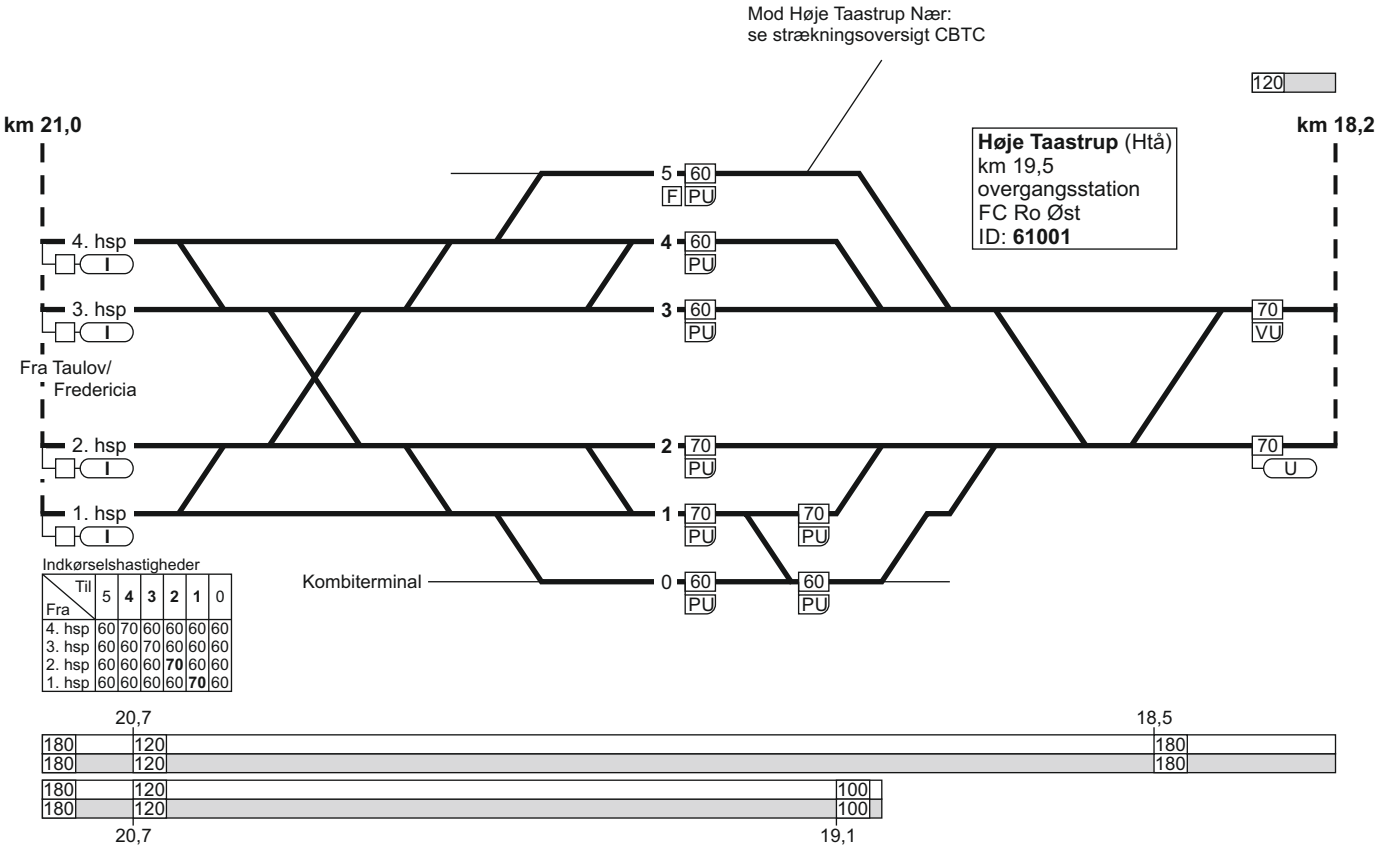
1. Taulov / Fredericia - København H



1. Taulov / Fredericia - København H



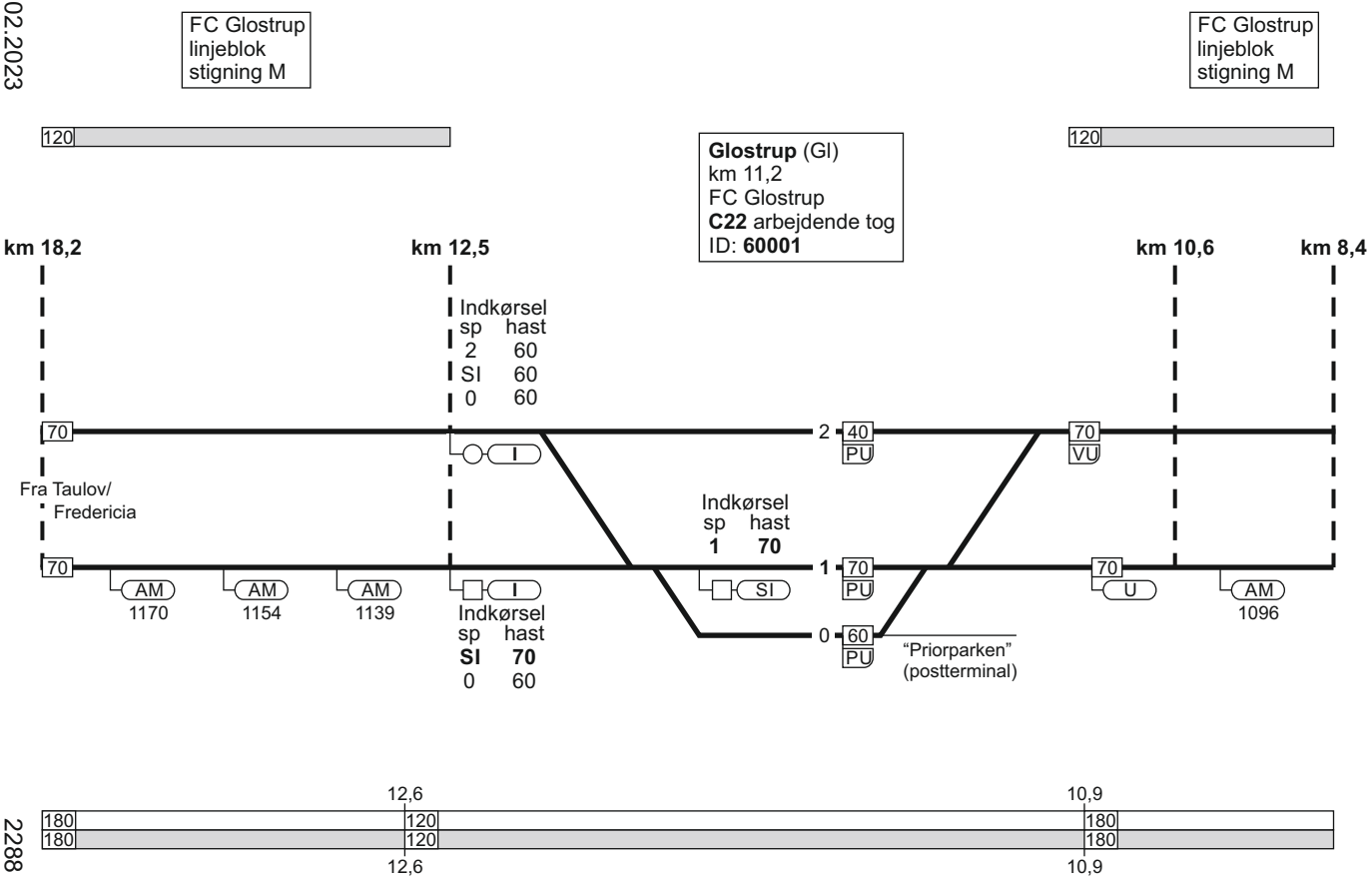
1. Taulov / Fredericia - København H



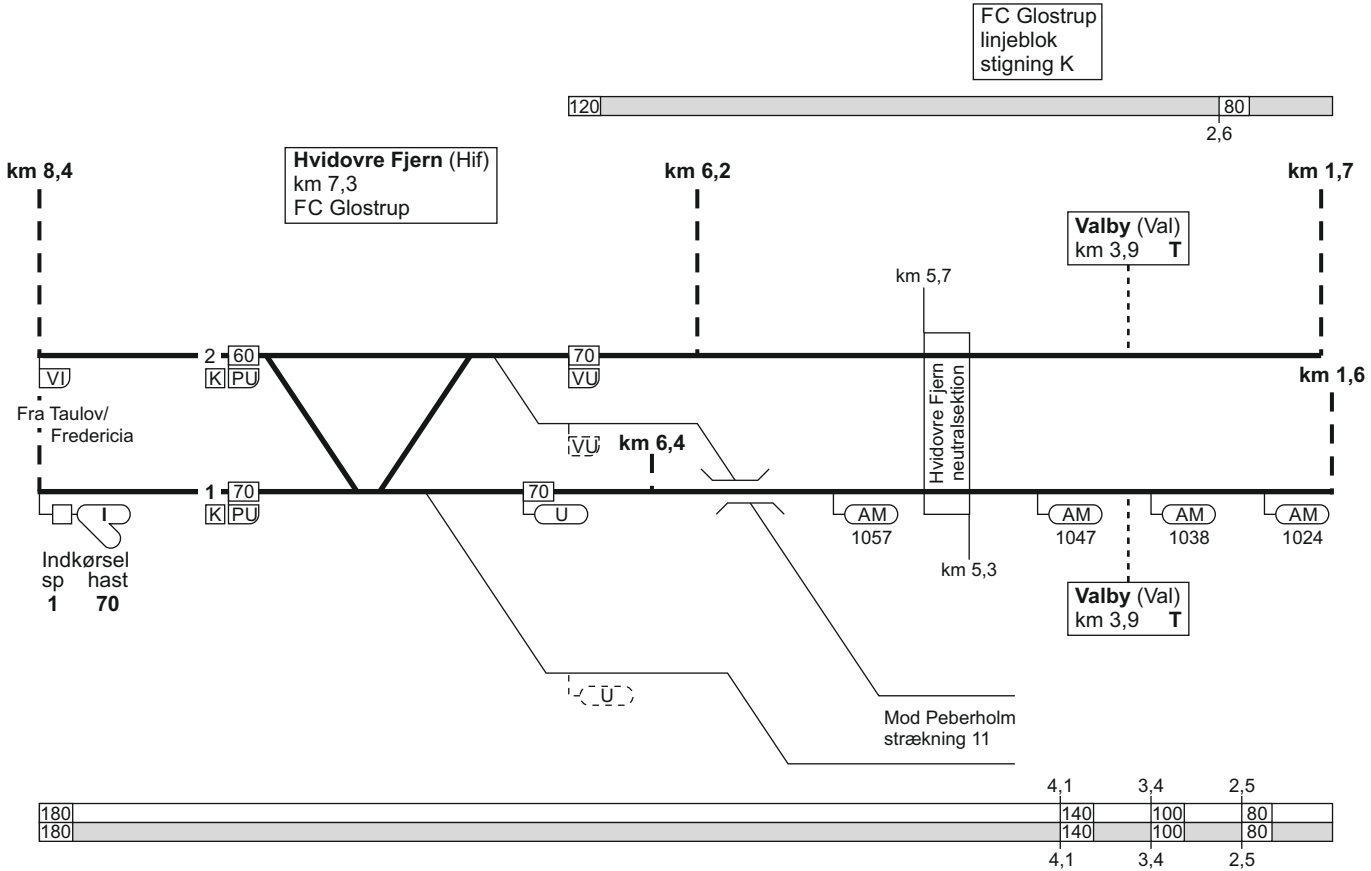
Indkørselshastigheder

Fra \ Til	5	4	3	2	1	0
4. hsp	60	70	60	60	60	60
3. hsp	60	60	70	60	60	60
2. hsp	60	60	60	**70**	60	60
1. hsp	60	60	60	60	**70**	60

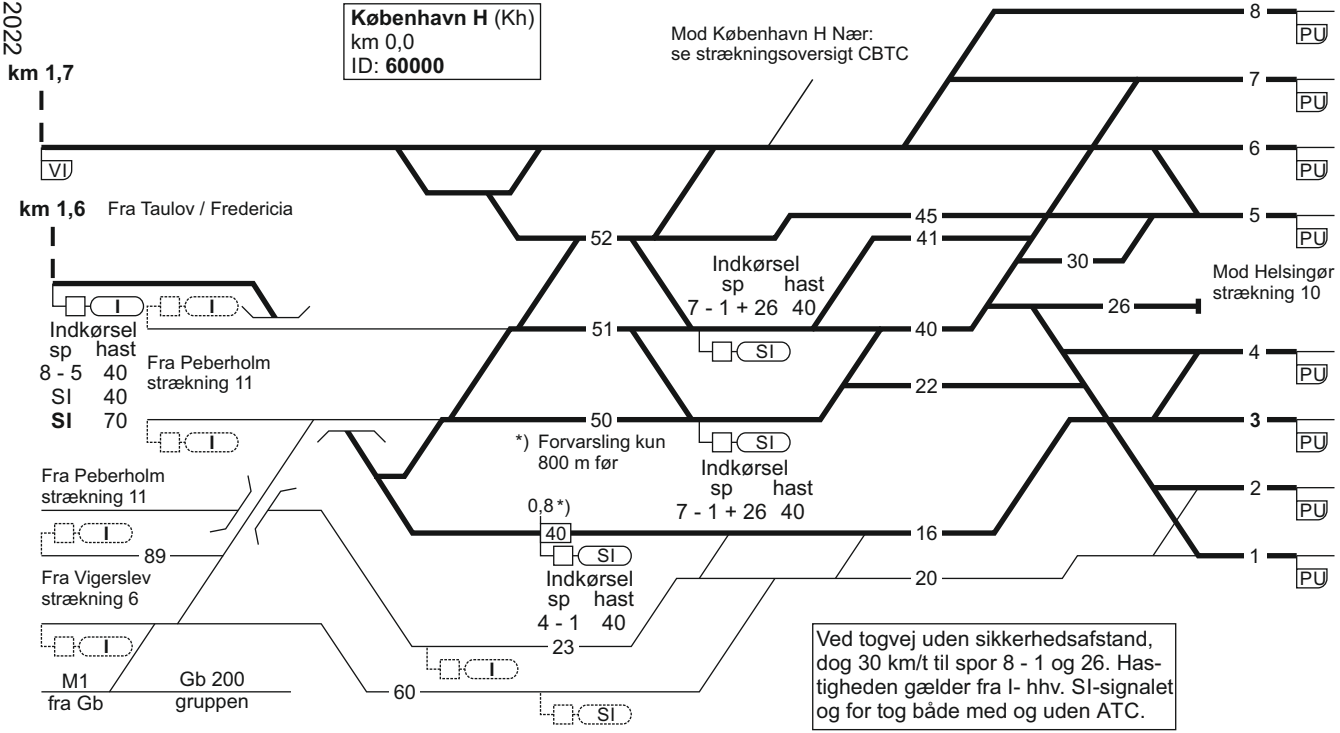
1. Taulov / Fredericia - København H



1. Taulov / Fredericia - København H



1. Taulov / Fredericia - København H



1. København H - Fredericia / Taulov

Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
København H.			**Spor 1-8** Tog fremført af diesellokomotiv standser med forreste køretøj i røgåbningen. Ved forspandskørsel dog med bagerste lok i røgåbningen. Passagertog der ankommer på hverdage i tidsrummet kl 02.00 - 04.30 og på søndage i tidsrummet kl. 02.00 - 05.30, skal uanset toglængde standse ud for «200m mærket» (SR-mærke 17.20).	**Kmp:** 82 34 12 14 eller 82 34 26 12 GSM-R: 81 99 12 00 **FC Glostrup:** Kh (ekskl.) - Htå (ekskl.) 82 34 18 80 GSM-R: 81 99 12 01

Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Roskilde				**Kmp Roskilde:** 46 32 03 04 eller 82 42 41 11 GSM-R: 81 99 12 10 **FC Roskilde Øst:** Htå - Ro 82 42 41 19 GSM-R: 81 99 12 11 **FC Roskilde Midt:** Ro - Rg 46 32 49 80 eller 82 42 43 11 GSM-R: 81 99 12 09

Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
				FC Roskilde Vest: Rg (ekskl.) - Kø (ekskl.) 46 35 69 97 eller 82 42 43 94 GSM-R: 81 99 12 15 Kø - Od (ekskl.) 82 42 43 93 GSM-R Kø - Ng: 81 99 12 14 GSM-R Ng (ekskl.) - Od (ekskl.): 81 99 12 15

Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Ringsted			**Ved indkørsel fra Sorø** Tog som skal sammenkobles i spor 4 og 5: Først ankommende togdel skal standse ud for "240 metermærket" (SR-mærke 17.20.), hvis togdelen består af 1 togsæt. Først ankommende togdel skal standse ud for "S-mærket" (SR-mærke17.18.), hvis togdelen består af 2 togsæt.	GSM-R: 81 99 12 63
Odense				**Kmp:** 82 20 11 11 eller 82 20 11 57 GSM-R: 81 99 12 68
Årup			**København - Fredericia/Taulov:** Såfremt PU-signalet foran sporskiftet i spor 3 viser "Forbikørsel tilladt", skal personførende tog fra Tommerup køre helt frem til perron (næste PU-signal). **Taulov/Fredericia - København:** Personførende tog fra Ejby, der skal ekspederes ved perron og som får signalgivning for indkørsel til spor 3, skal efter endt ekspedition køre helt frem til togvejens endepunkt.	

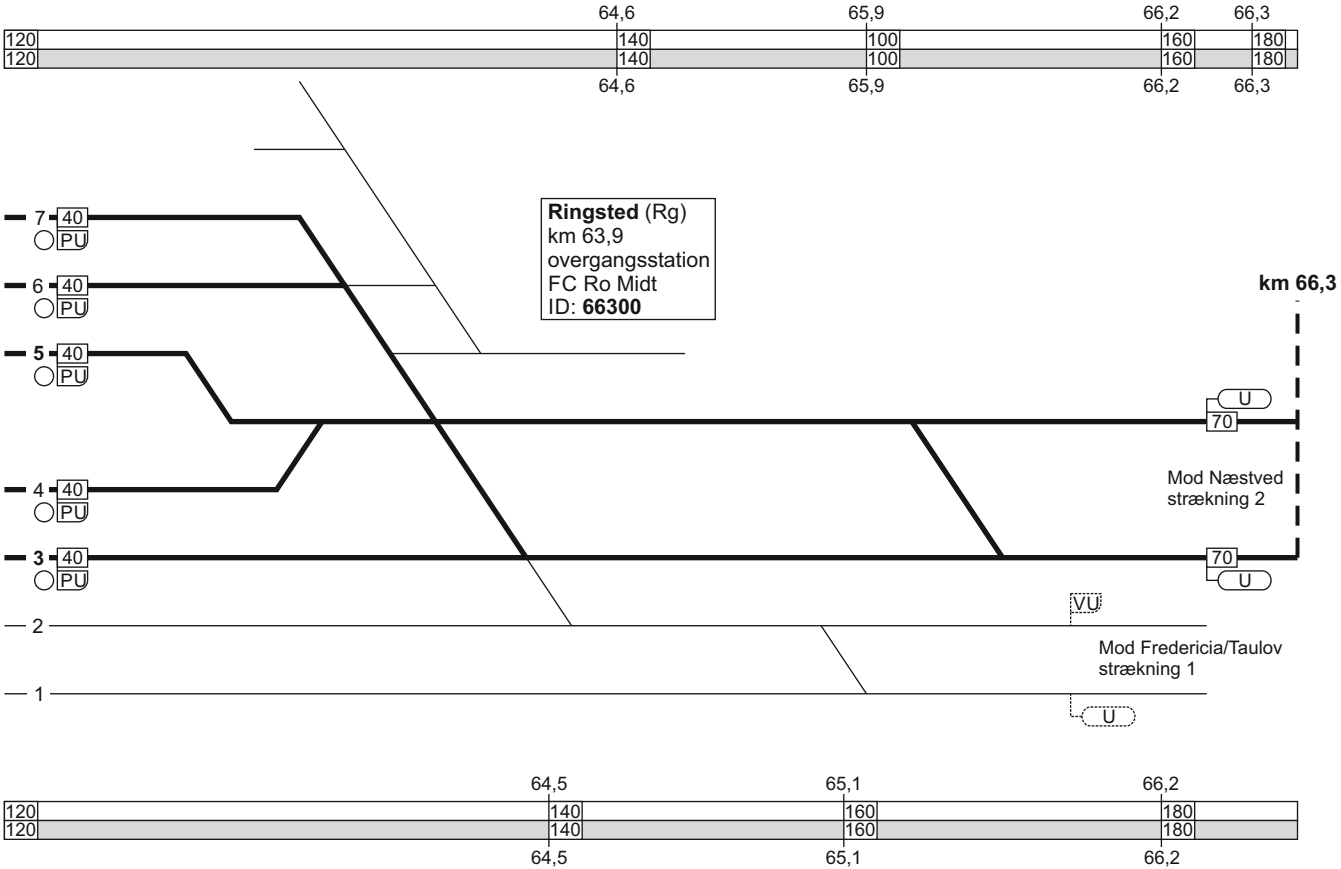
Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Fredericia			Når tog i spor 10 opformeres med ER-togsæt forrest, skal ER-togsættet placeres med førerrummet 20 meter bag det tændte standsningsmærke.	**Kmp Fa:** 82 27 23 05 GSM-R: 81 99 12 20 **FC Fredericia Øst:** Od (ekskl.) - Fa (ekskl.) 82 27 25 16 GSM-R: 81 99 12 21 **FC Fredericia Vest:** Sno (ekskl.) - Tl 82 27 25 15 GSM-R: 81 99 12 24

2. Ringsted - (Lundby)

Strækningshastighed:

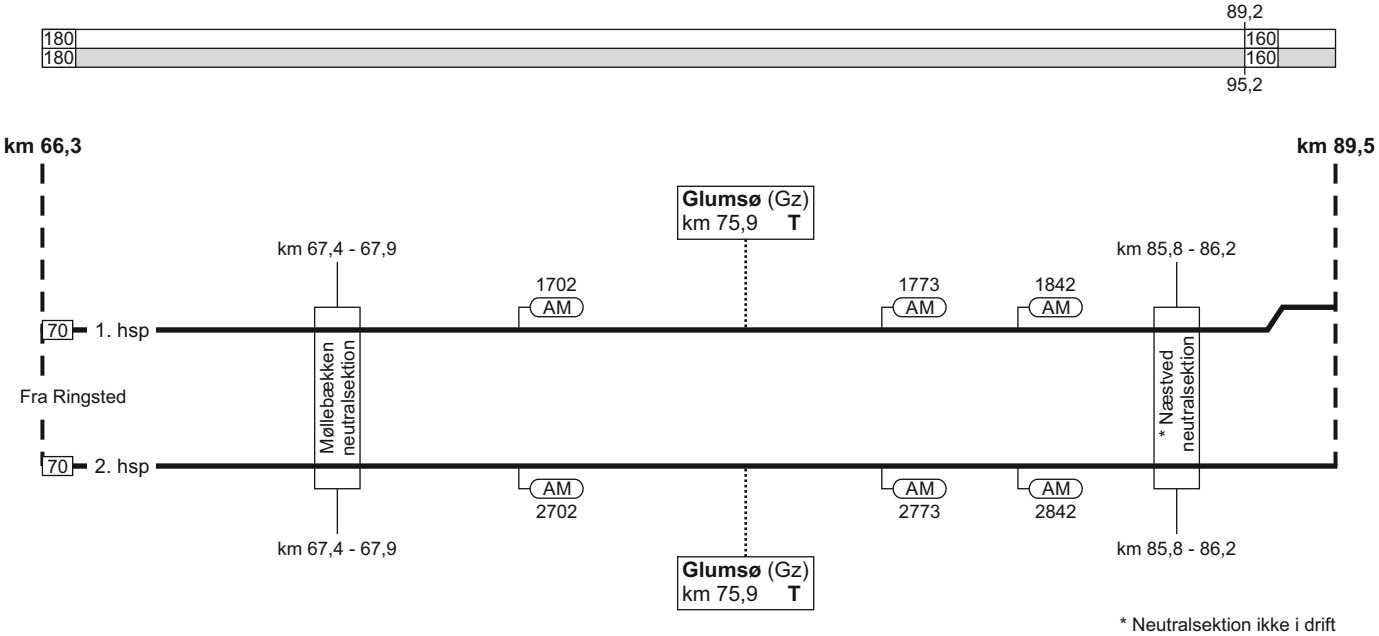
Delstrækning	Strækningshastighed (km/t)
Ringsted - Næstved	180
Næstved - Lundby	160

2. Ringsted - (Lundby)

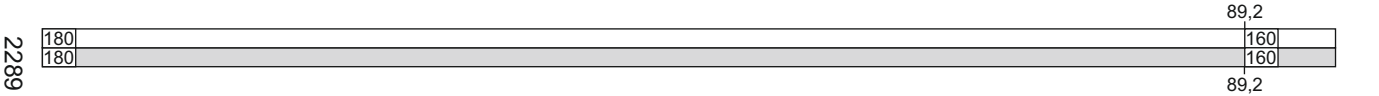


2. Ringsted - (Lundby)

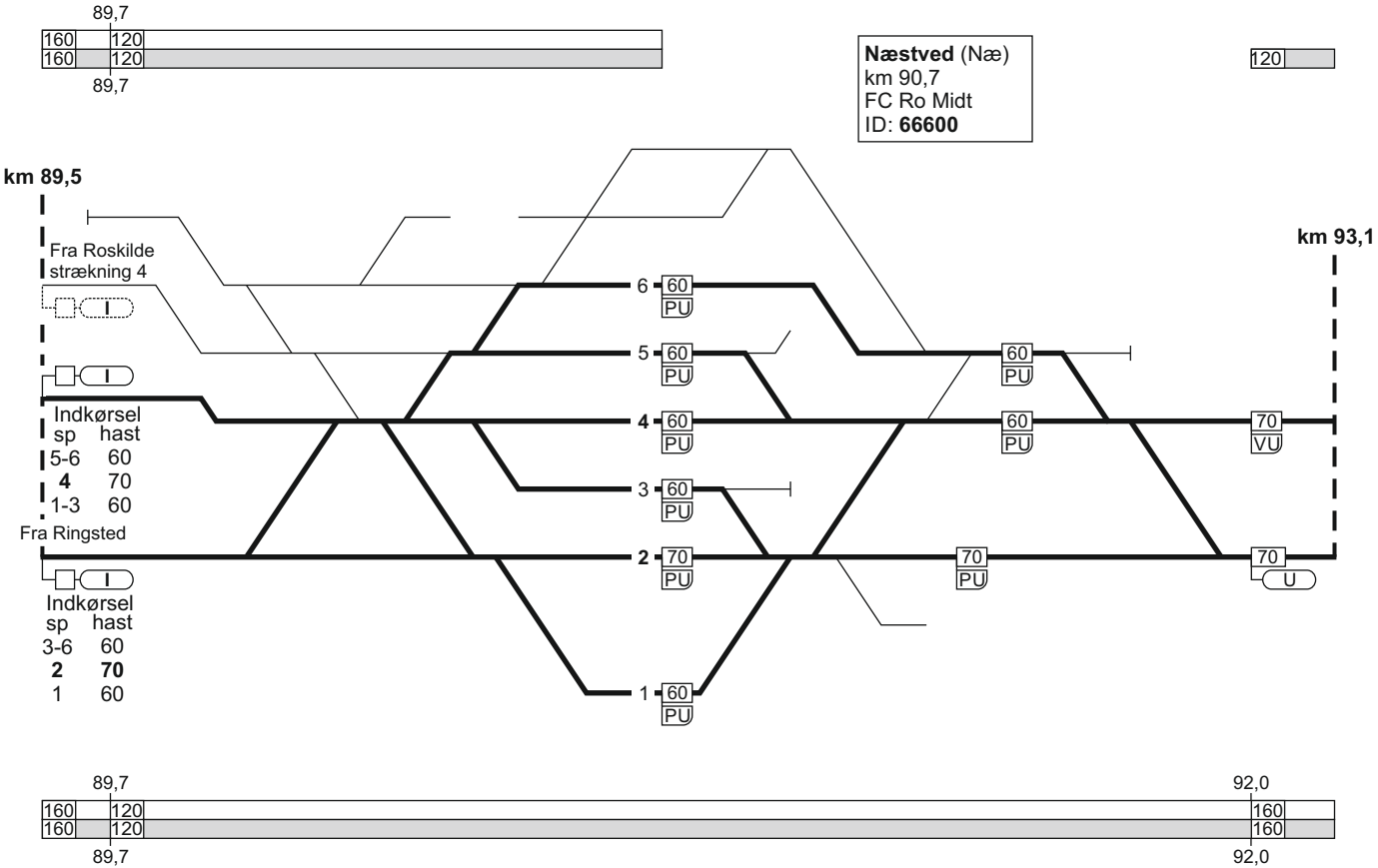
FC Ro Midt
linjeblok / vekselspor
stigning L



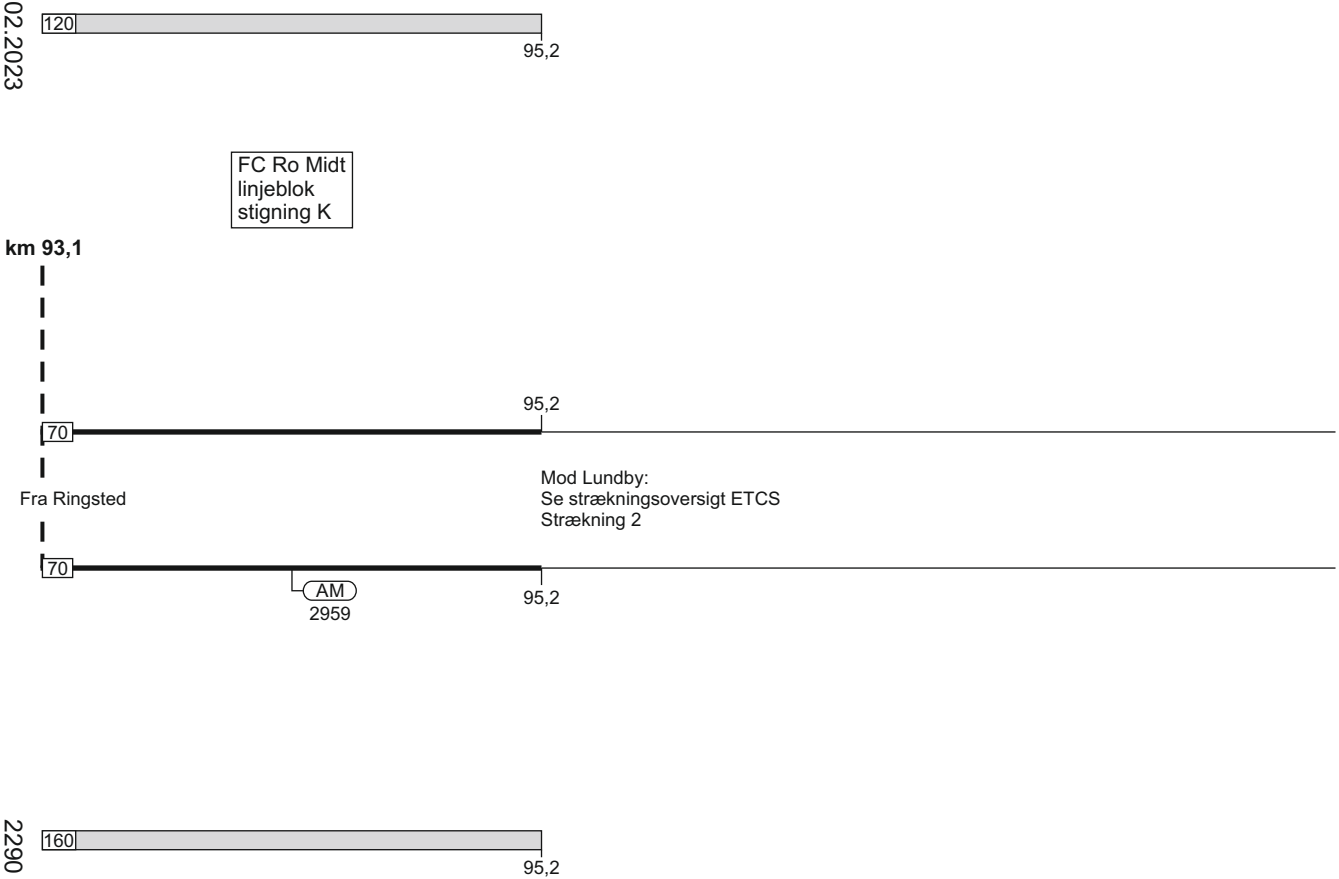
* Neutralsektion ikke i drift



2. Ringsted - (Lundby)

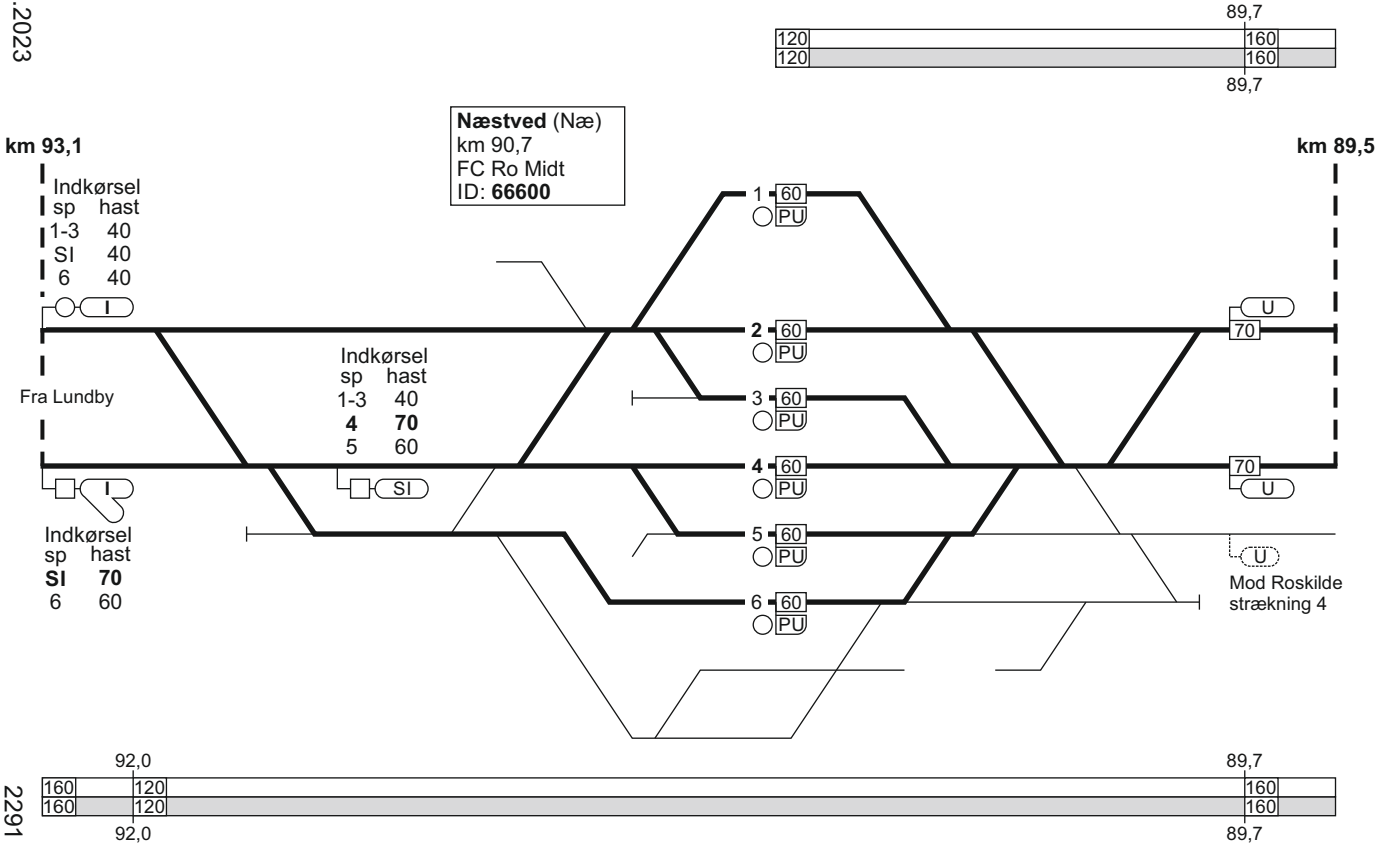


2. Ringsted - (Lundby)

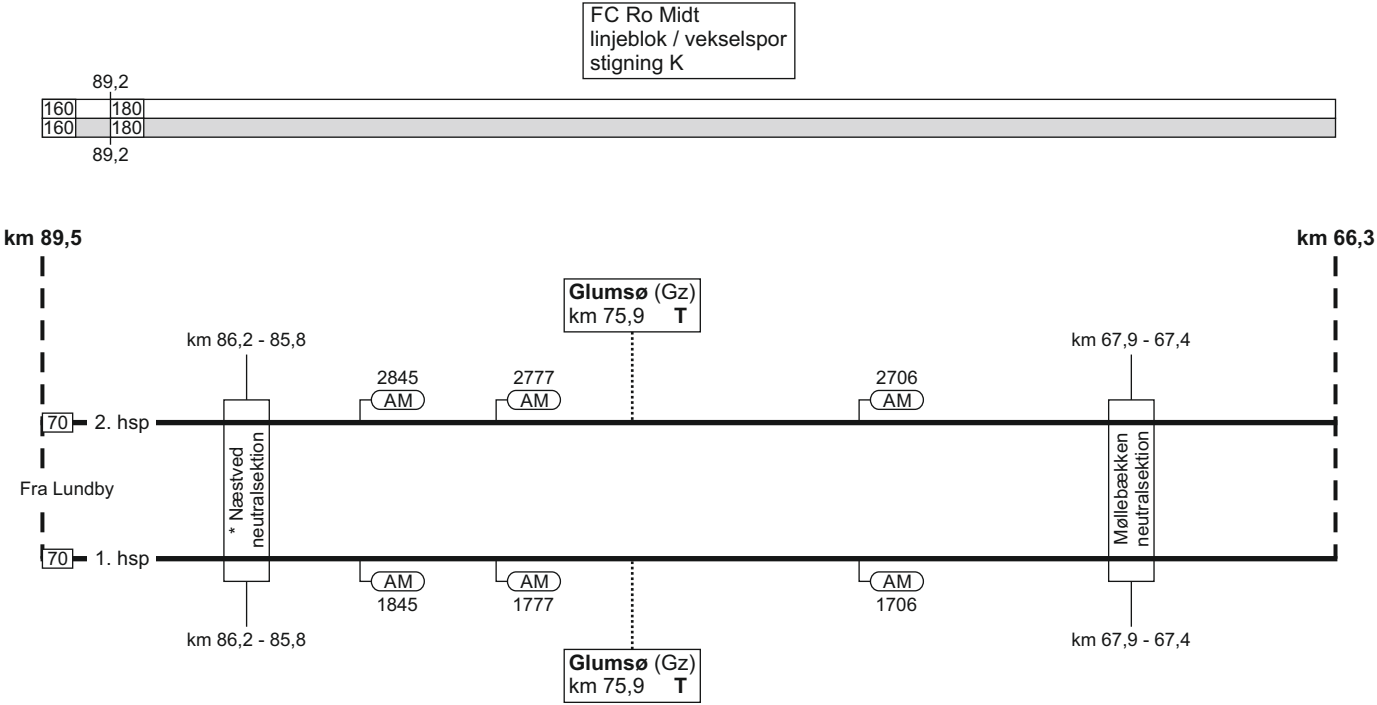


2. (Lundby) - Ringsted

2. (Lundby) - Ringsted

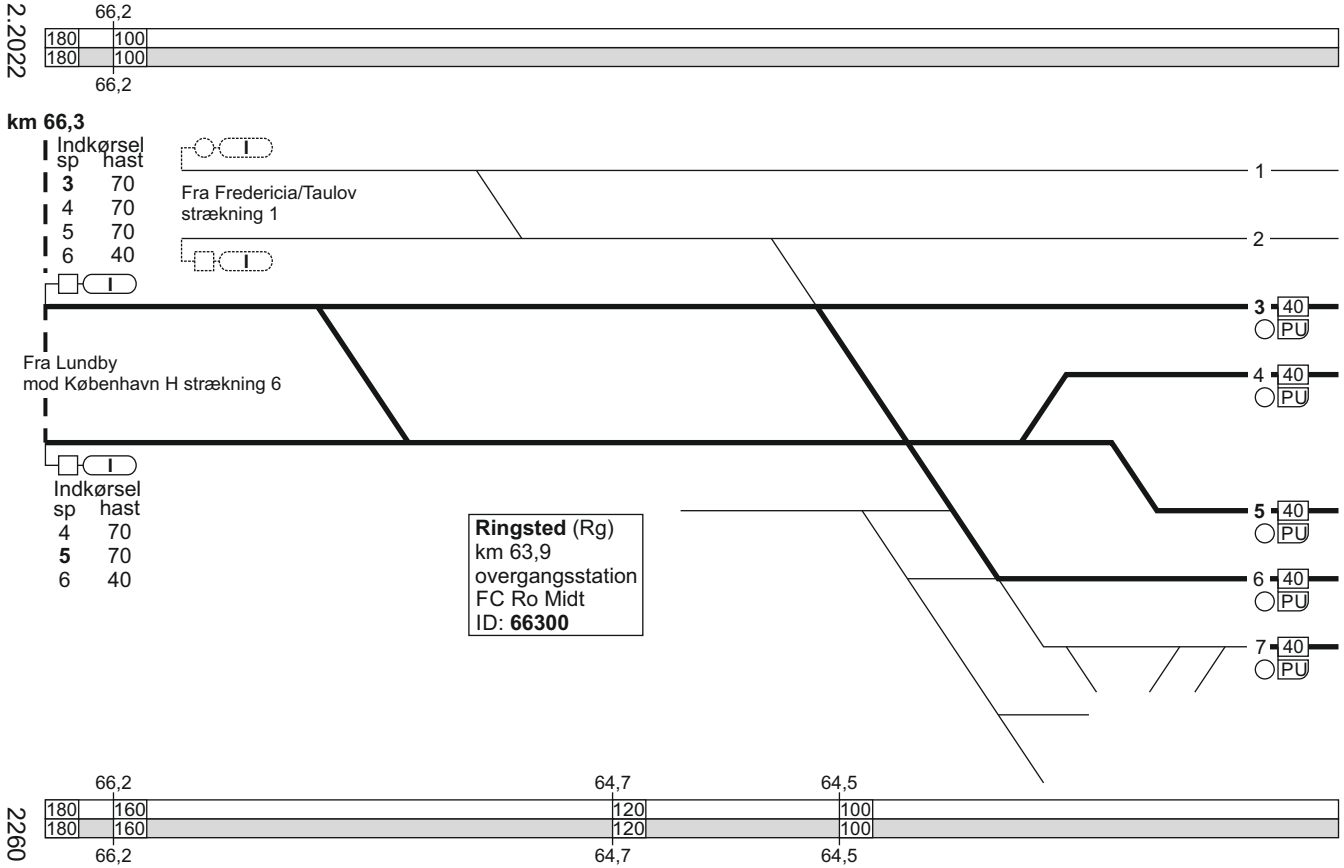


2. (Lundby) - Ringsted

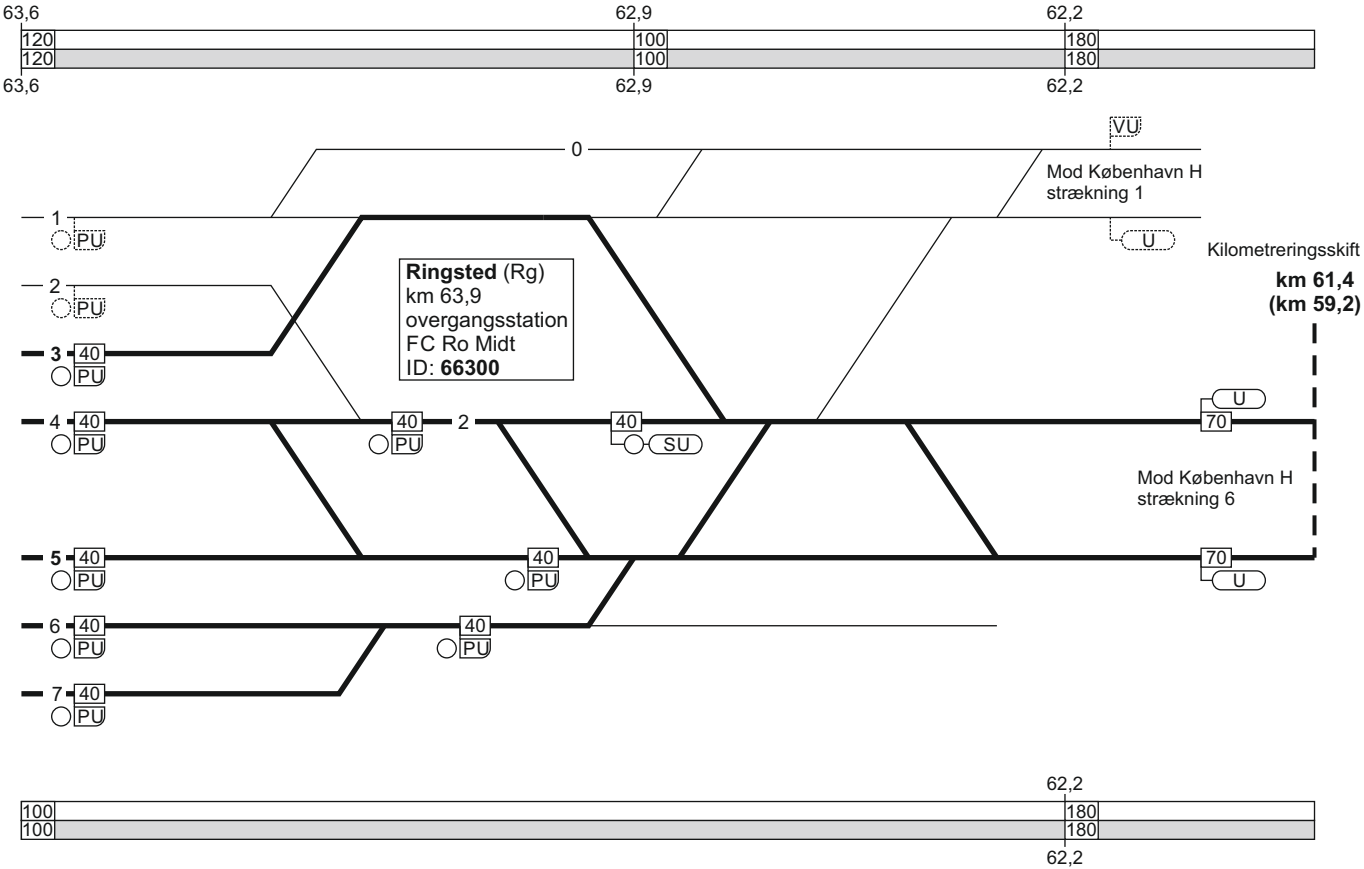


* Neutralsektion ikke i drift

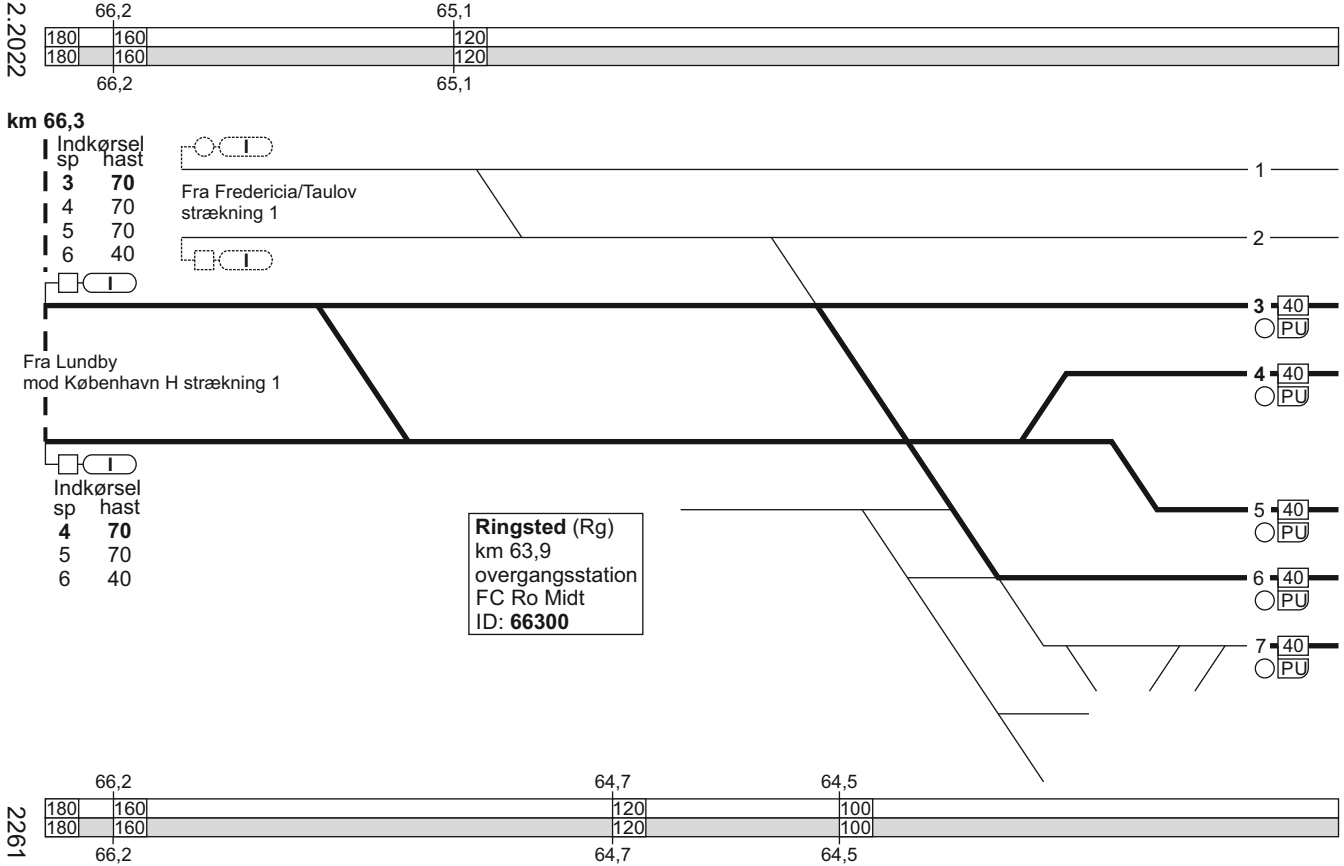
2. (Lundby) - Ringsted



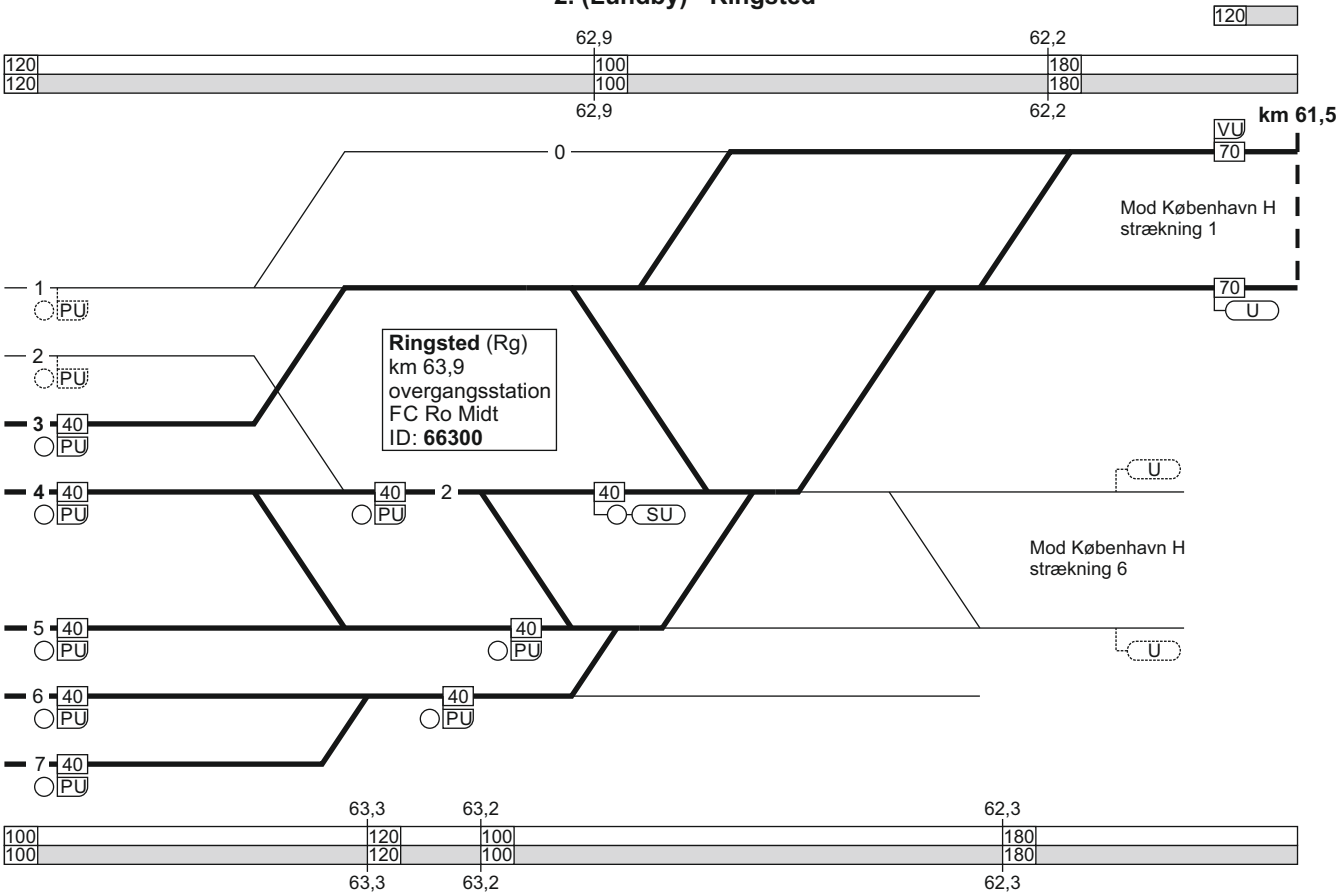
2. (Lundby) - Ringsted



2. (Lundby) - Ringsted



2. (Lundby) - Ringsted



2. Ringsted - (Lundby)

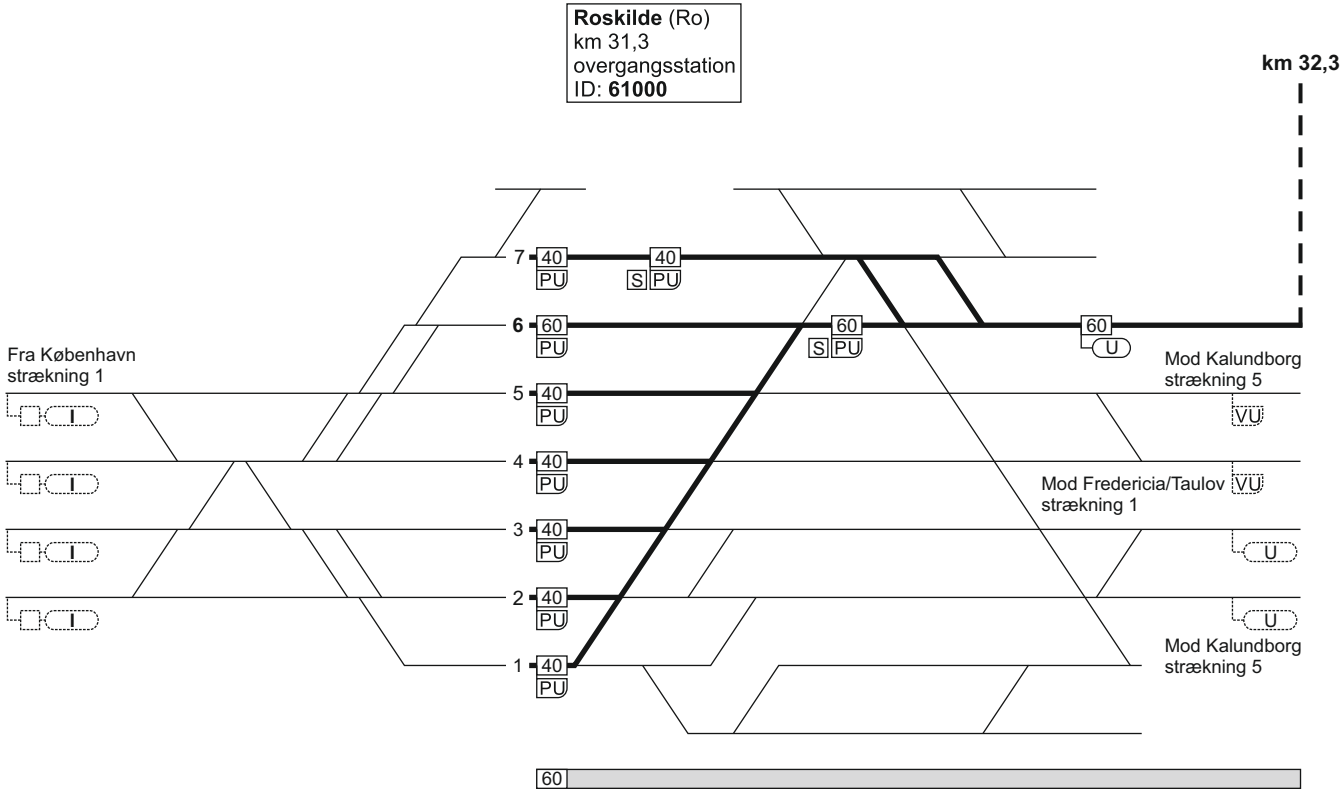
Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Ringsted			**Ved indkørsel fra Næstved** Tog som skal sammenkobles I spor 4 og 5: Først ankommende togdel skal standse ud for "240 metermærket" (SR-mærke 17.20.), hvis togdelen består af 1 togsæt. Først ankommende togdel skal standse ud for "S-mærket" (SR-mærke 17.18.), hvis togdelen består af 2 togsæt.	GSM-R: 81 99 12 63 **FC Roskilde Midt:** Rg - Næ 46 32 49 80 eller 82 42 43 12 GSM-R: 81 99 12 09
Næstved				**FC Roskilde Midt:** Rg - Næ 46 32 49 80 eller 82 42 43 12 GSM-R: 81 99 12 66

4. Ringsted - (Gadstrup) og (Holme-Olstrup) - Næstved

Strækningshastighed:

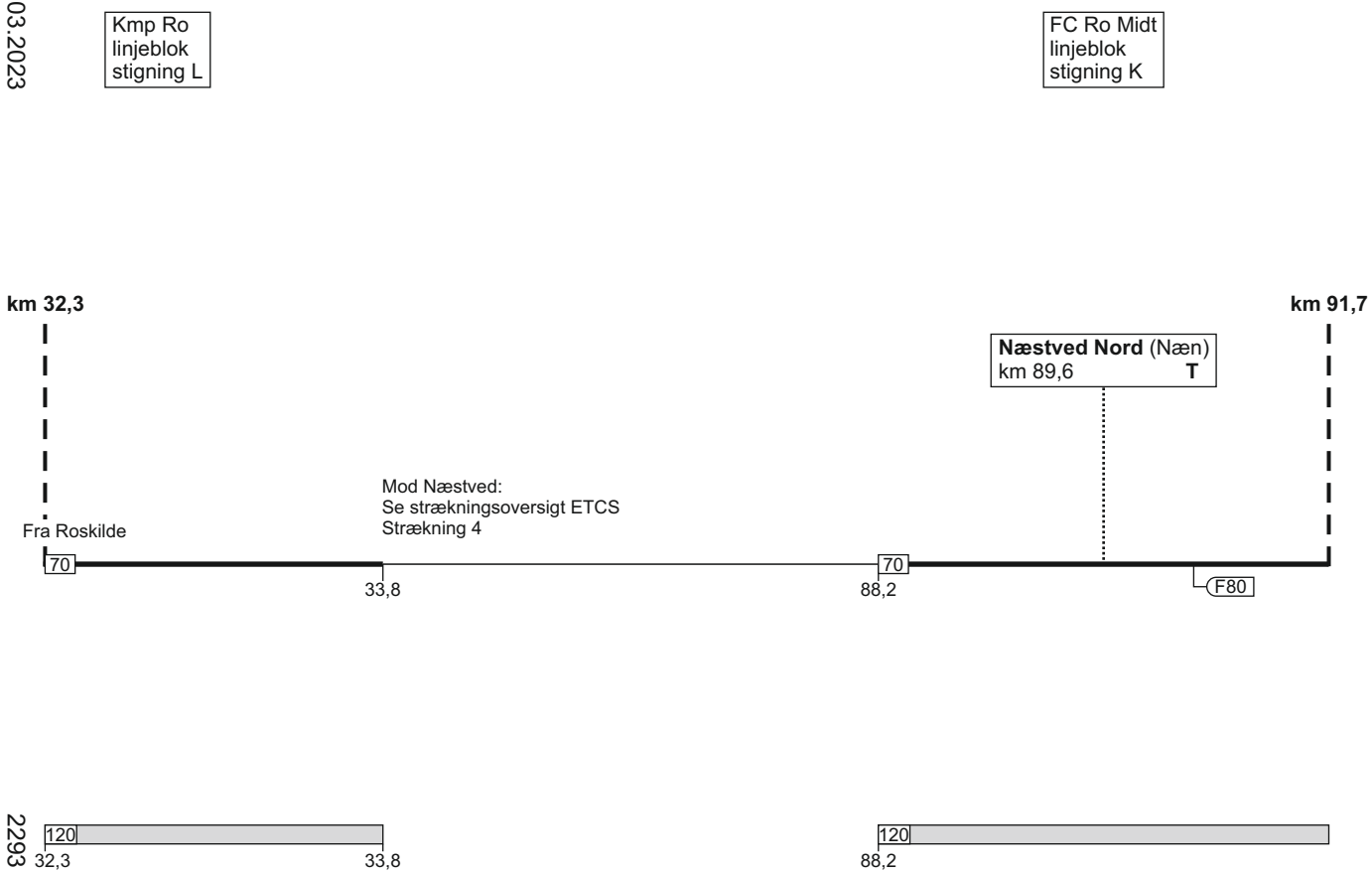
Delstrækning	Strækningshastighed (km/t)
Roskilde - (Gadstrup) og (Holme-Olstrup) - Næstved	120

4. Roskilde - (Gadstrup) og (Holme-Olstrup) - Næstved

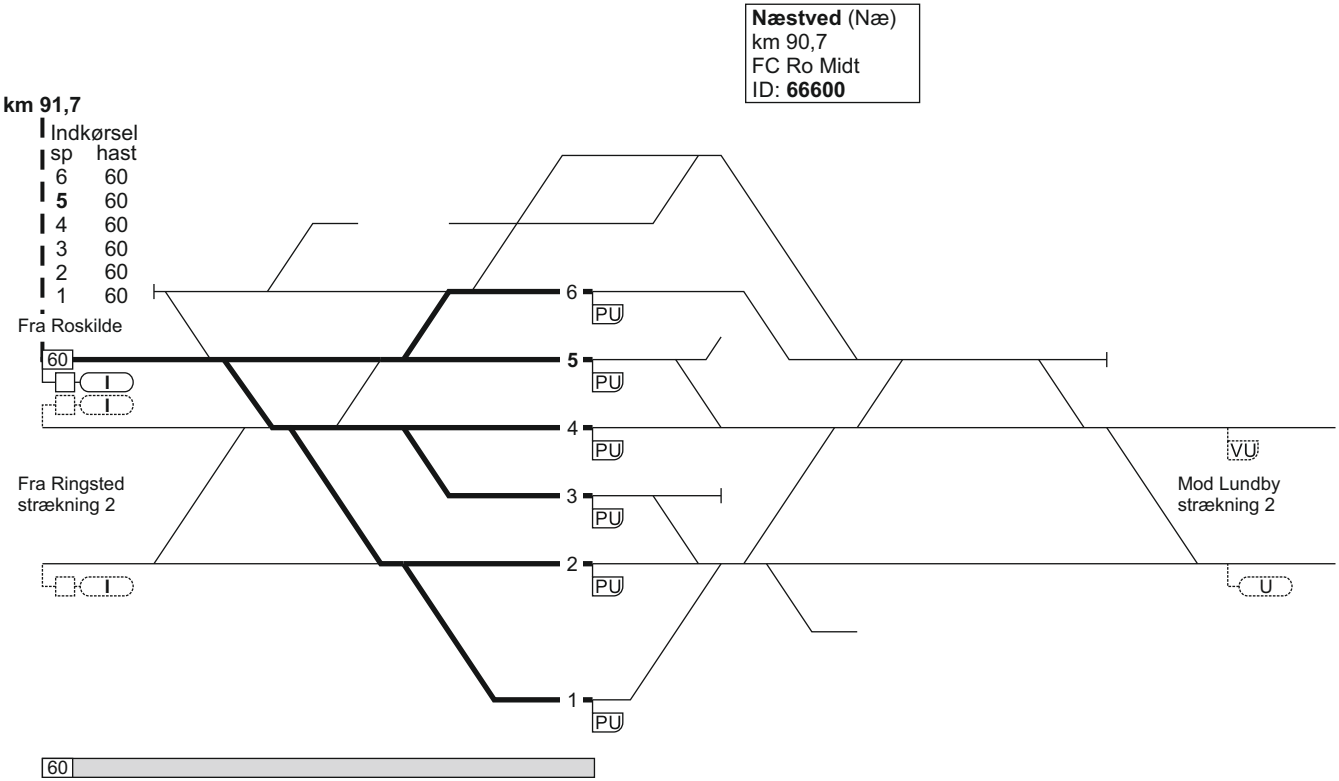


03.03.2023

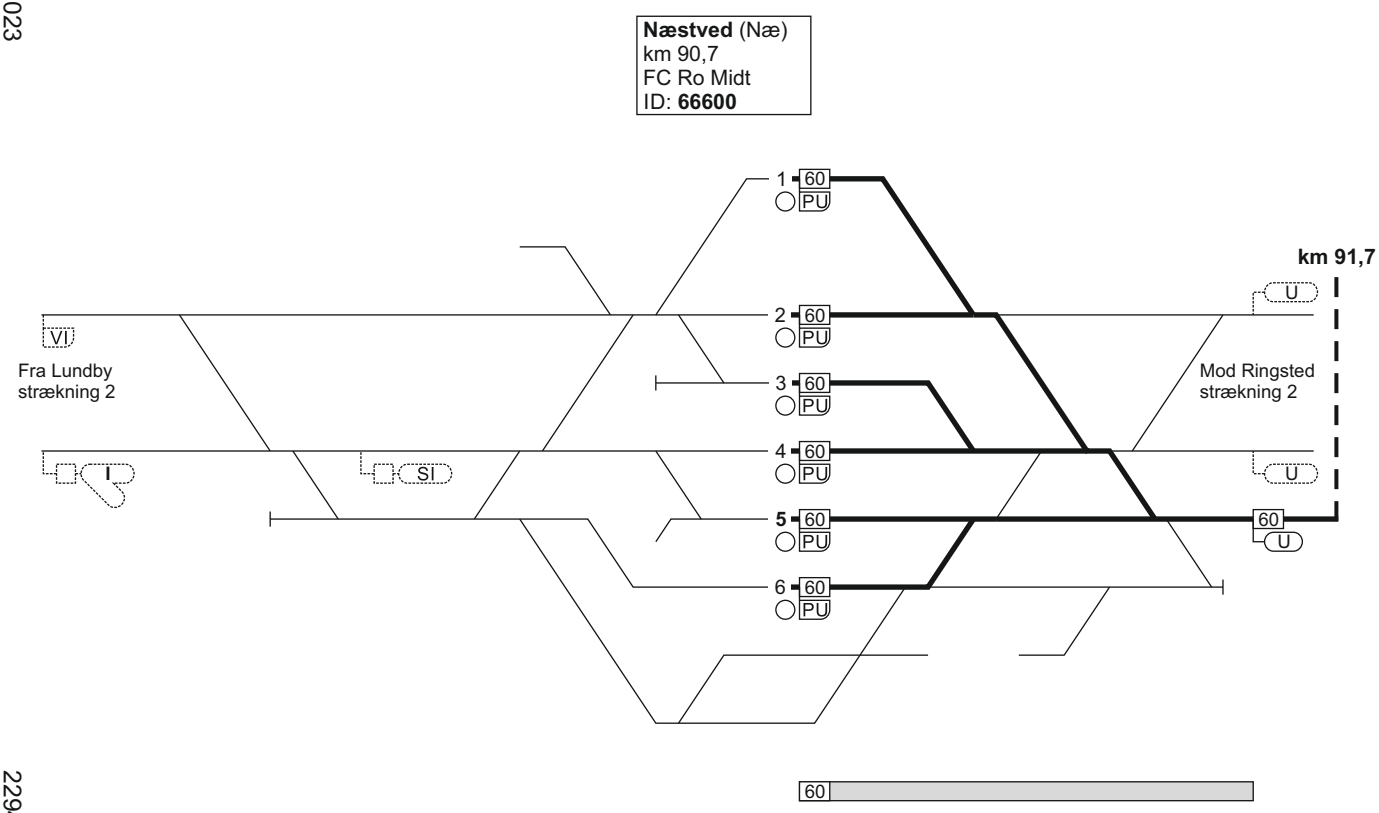
4. Roskilde - (Gadstrup) og (Holme-Olstrup) - Næstved



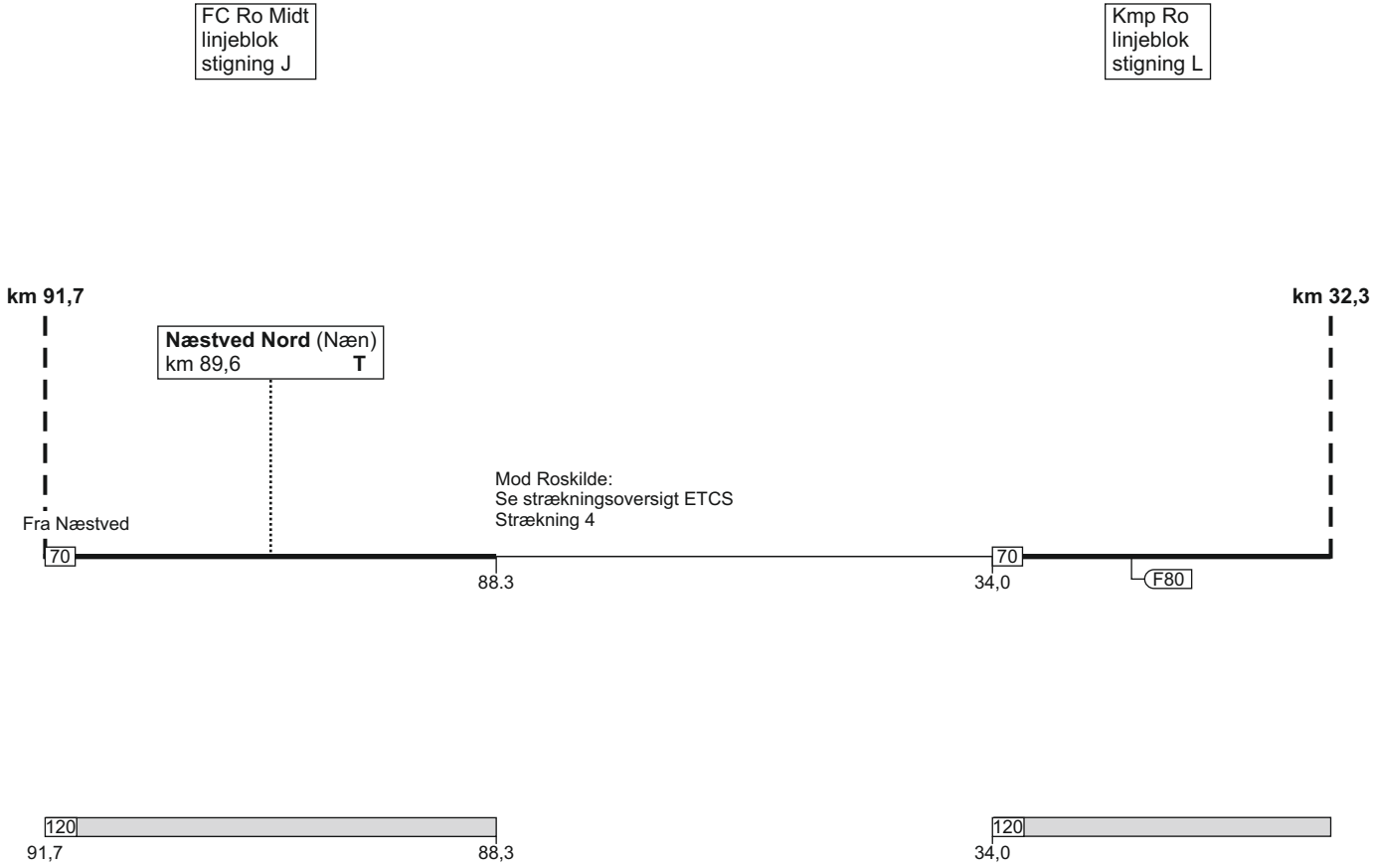
4. Roskilde - (Gadstrup) og (Holme-Olstrup) - Næstved



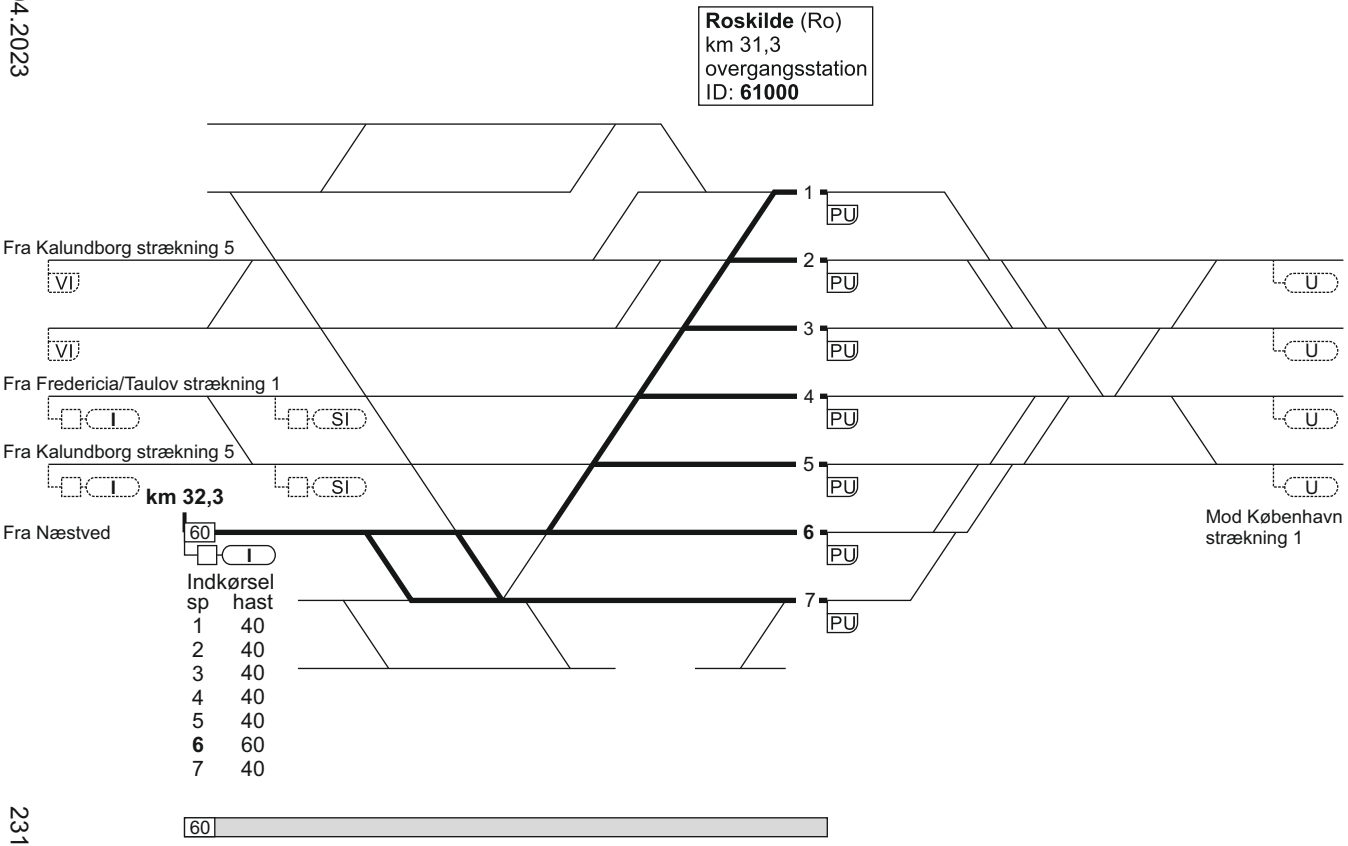
4. Næstved - (Holme-Olstrup) og (Gadstrup) - Roskilde



4. Næstved - (Holme-Olstrup) og (Gadstrup) - Roskilde



4. Næstved - (Holme-Olstrup) og (Gadstrup) - Roskilde



Indkørsel

sp	hast
1	40
2	40
3	40
4	40
5	40
6	60
7	40

4. Roskilde - (Gadstrup) og (Holme-Olstrup) - Næstved

Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Roskilde				**Kmp Roskilde:** 82 42 41 11 GSM-R: 81 99 12 10
Næstved				**FC Roskilde Midt:** 46 32 49 80 eller 82 42 43 12 GSM-R: 81 99 12 66

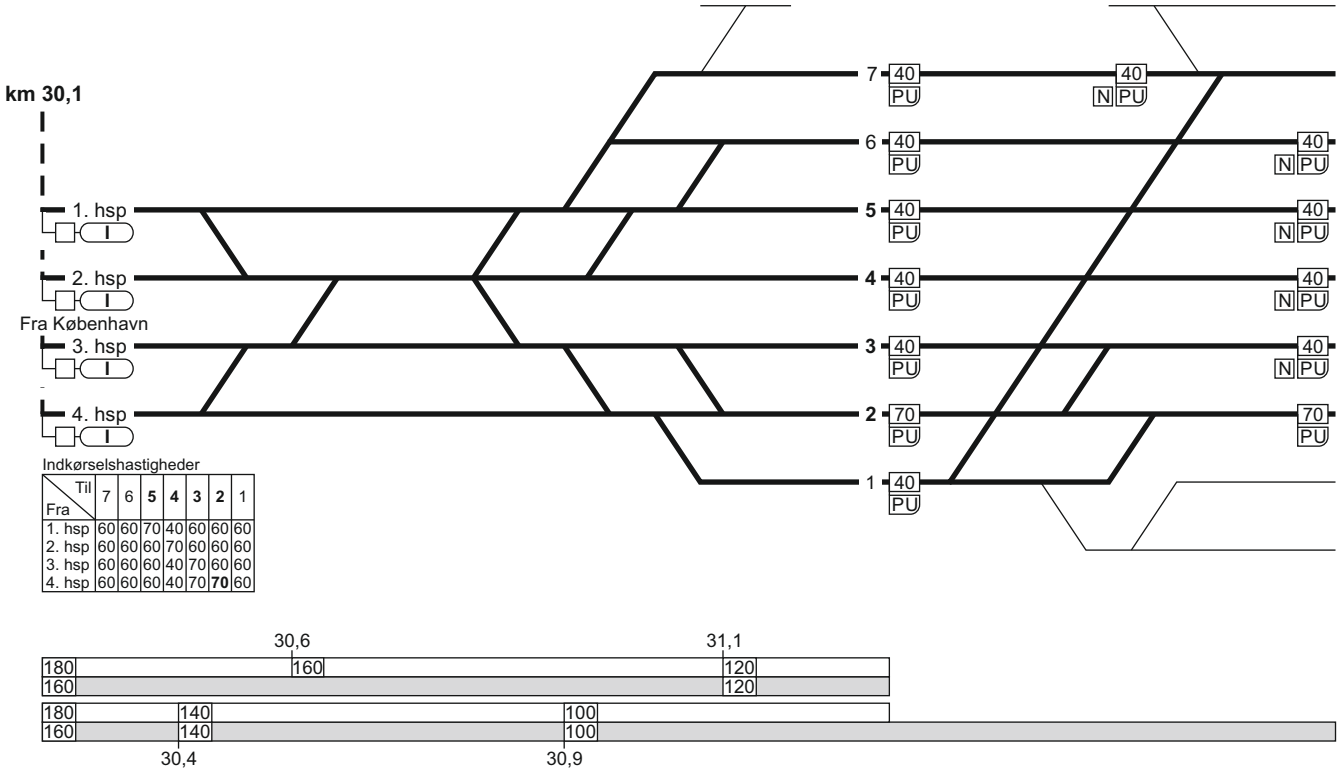
5. Roskilde - Kalundborg

Strækningshastighed:

Delstrækning	Strækningshastighed (km/t)
Roskilde - Holbæk	160
Holbæk - Kalundborg	120

5. Roskilde - Kalundborg

Roskilde (Ro)
km 31,3
overgangsstation
ID: **61000**

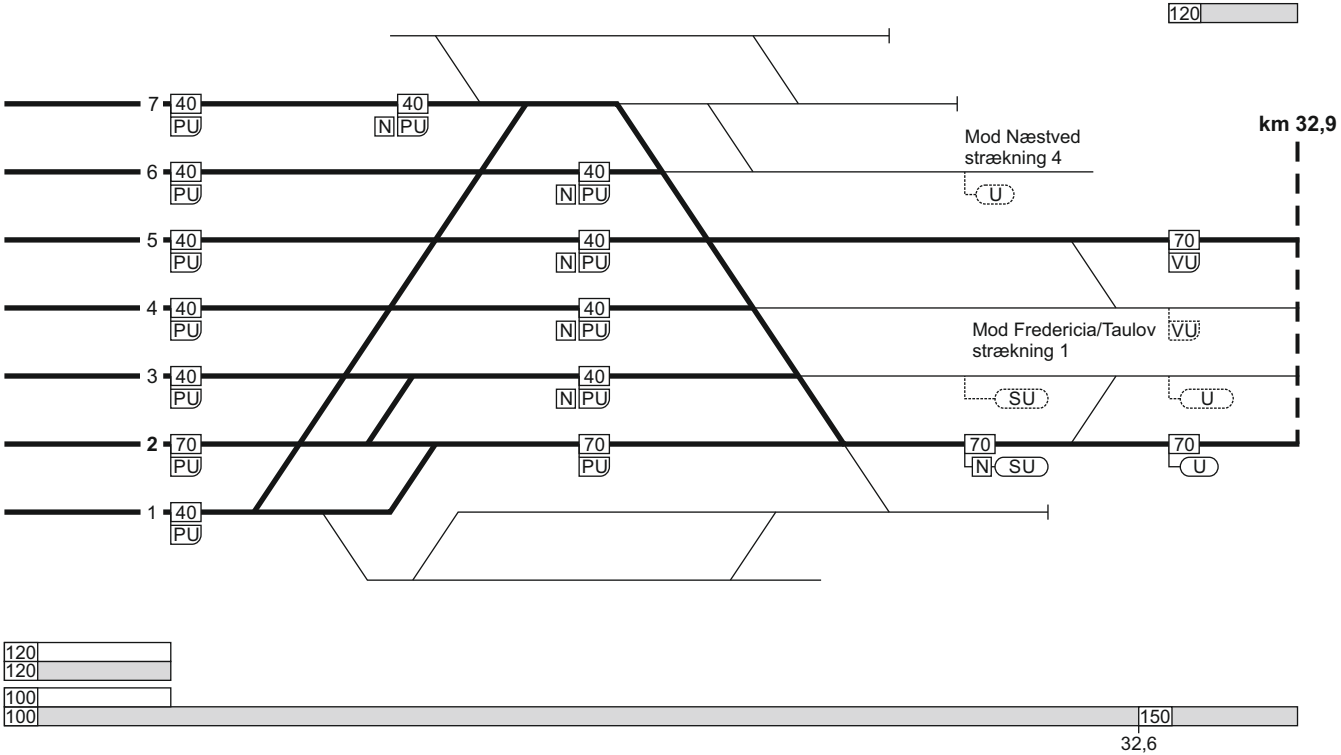


Indkørselshastigheder

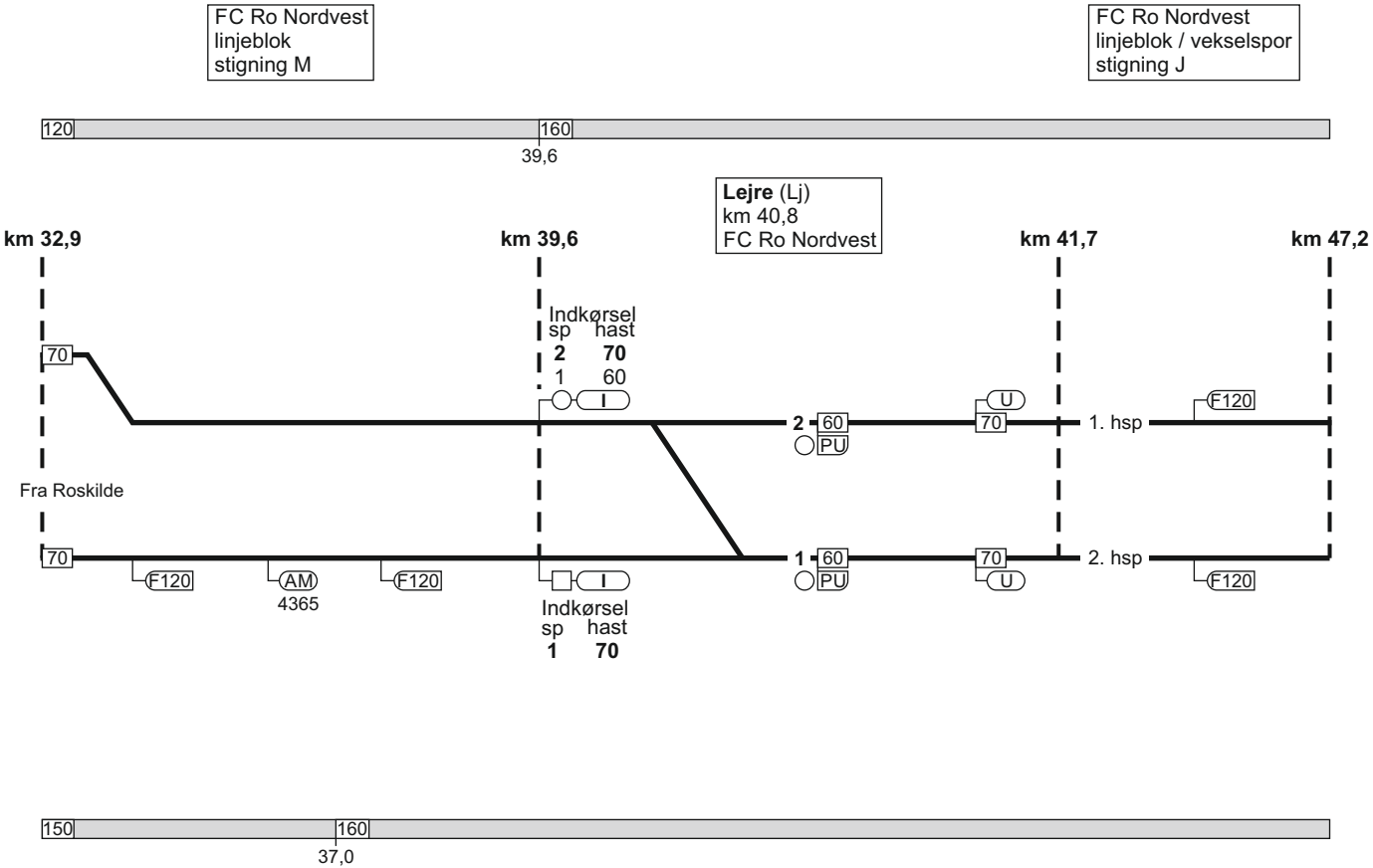
Fra \ Til	7	6	**5**	**4**	**3**	**2**	1
1. hsp	60	60	70	40	60	60	60
2. hsp	60	60	60	70	60	60	60
3. hsp	60	60	60	40	70	60	60
4. hsp	60	60	60	40	70	**70**	60

5. Roskilde - Kalundborg

Roskilde (Ro)
km 31,3
overgangsstation
ID: **61000**

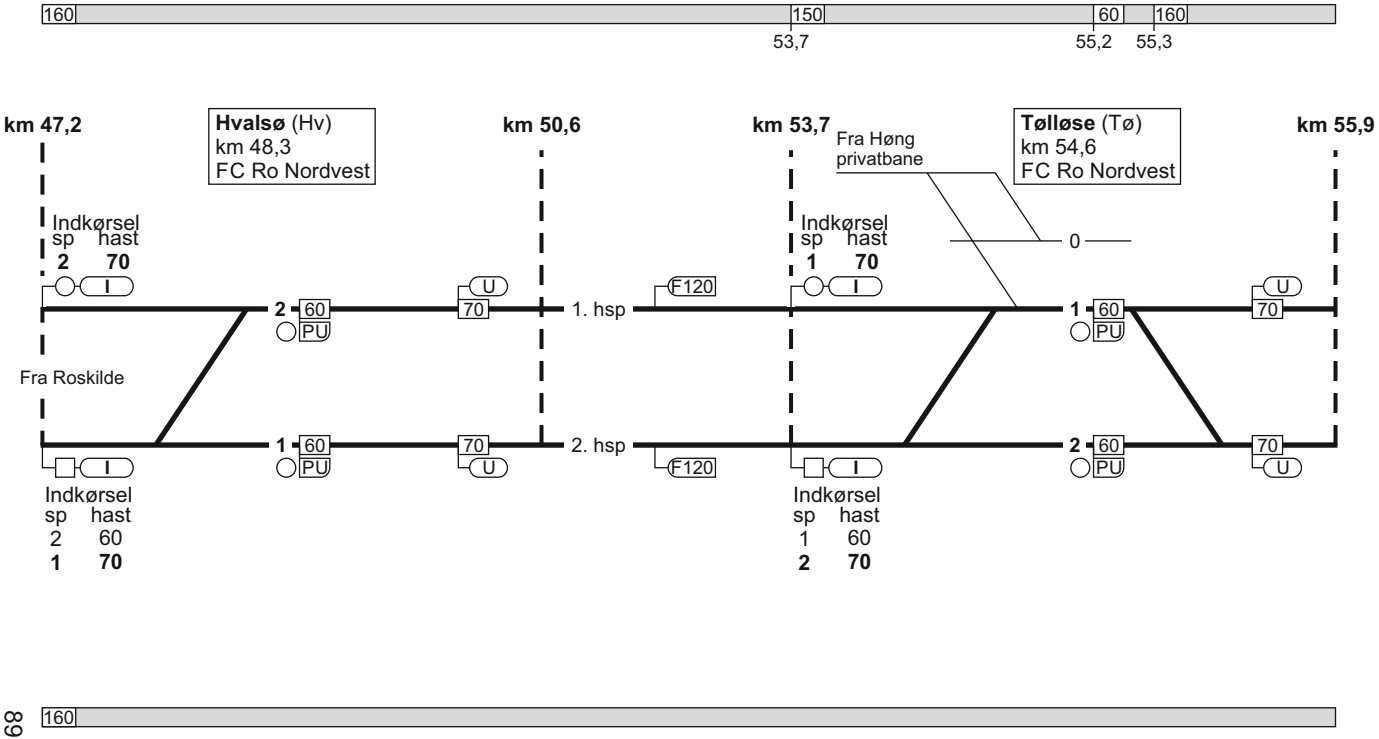


5. Roskilde - Kalundborg

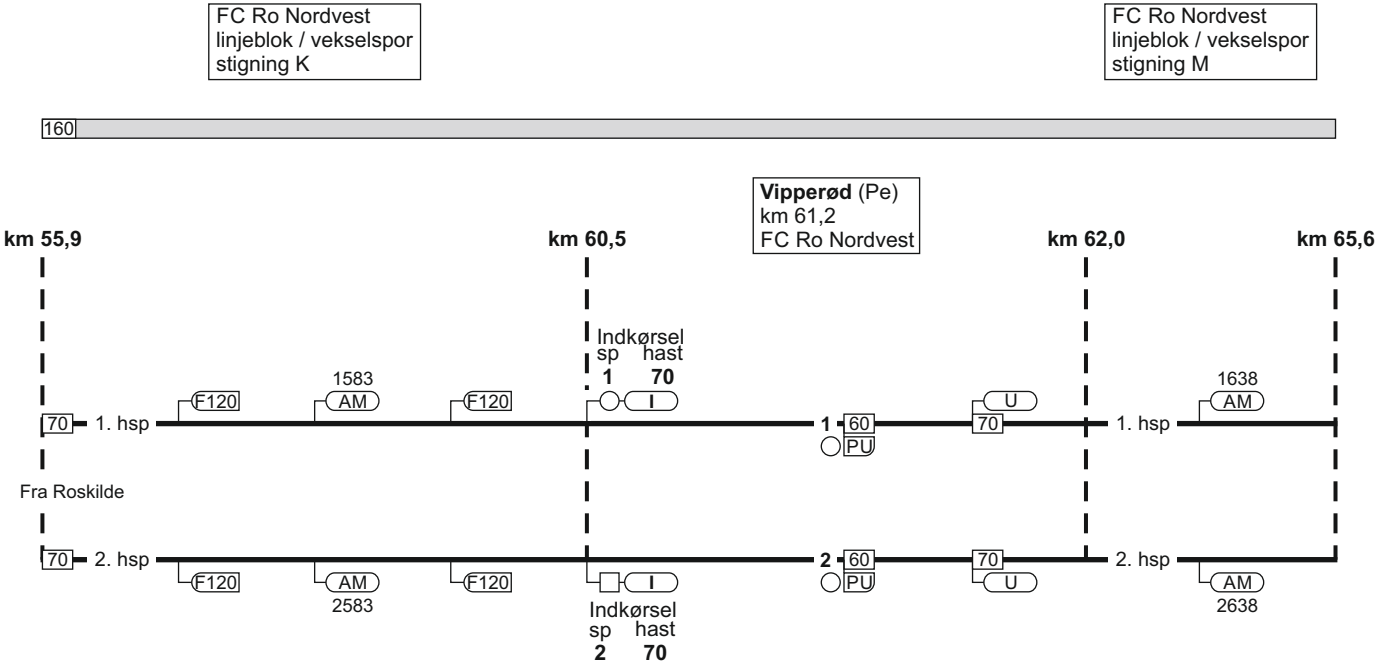


5. Roskilde - Kalundborg

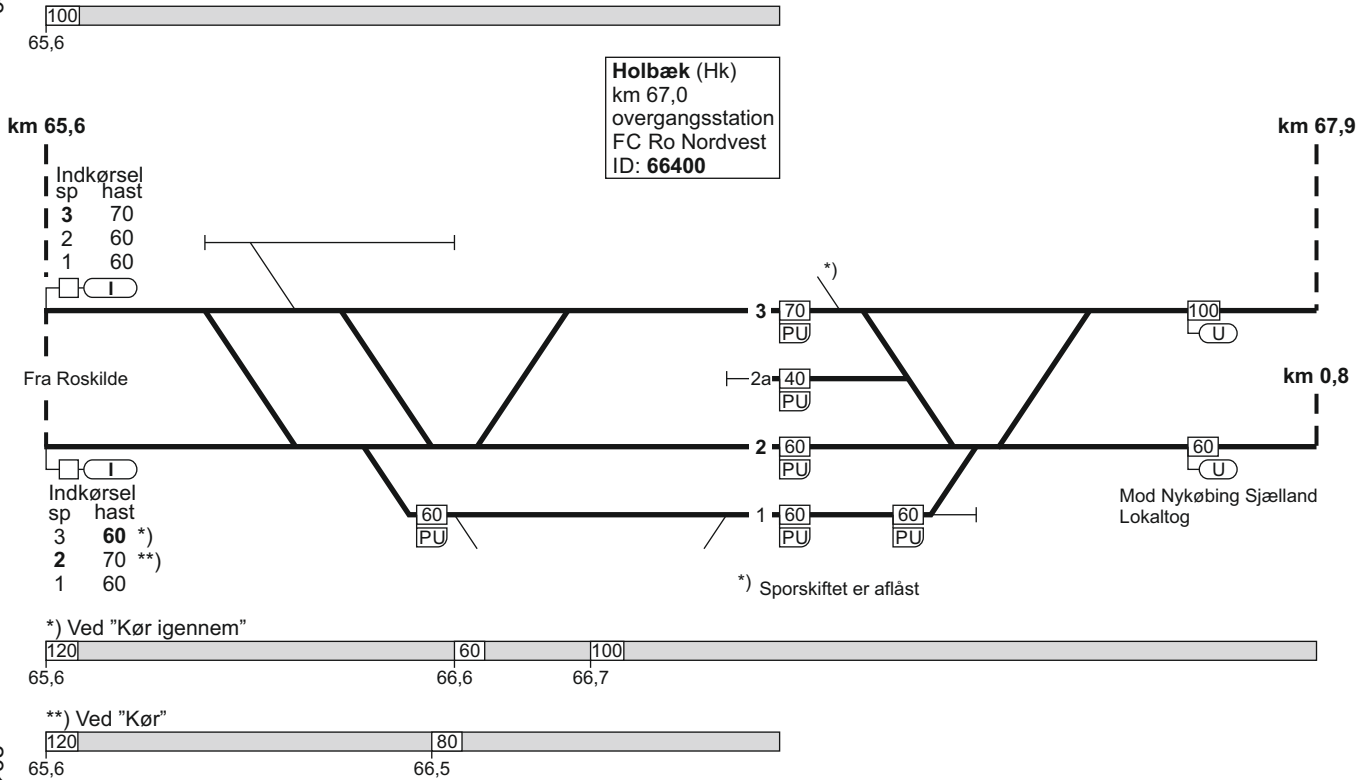
FC Ro Nordvest
linjeblok / vekselspor
stigning M



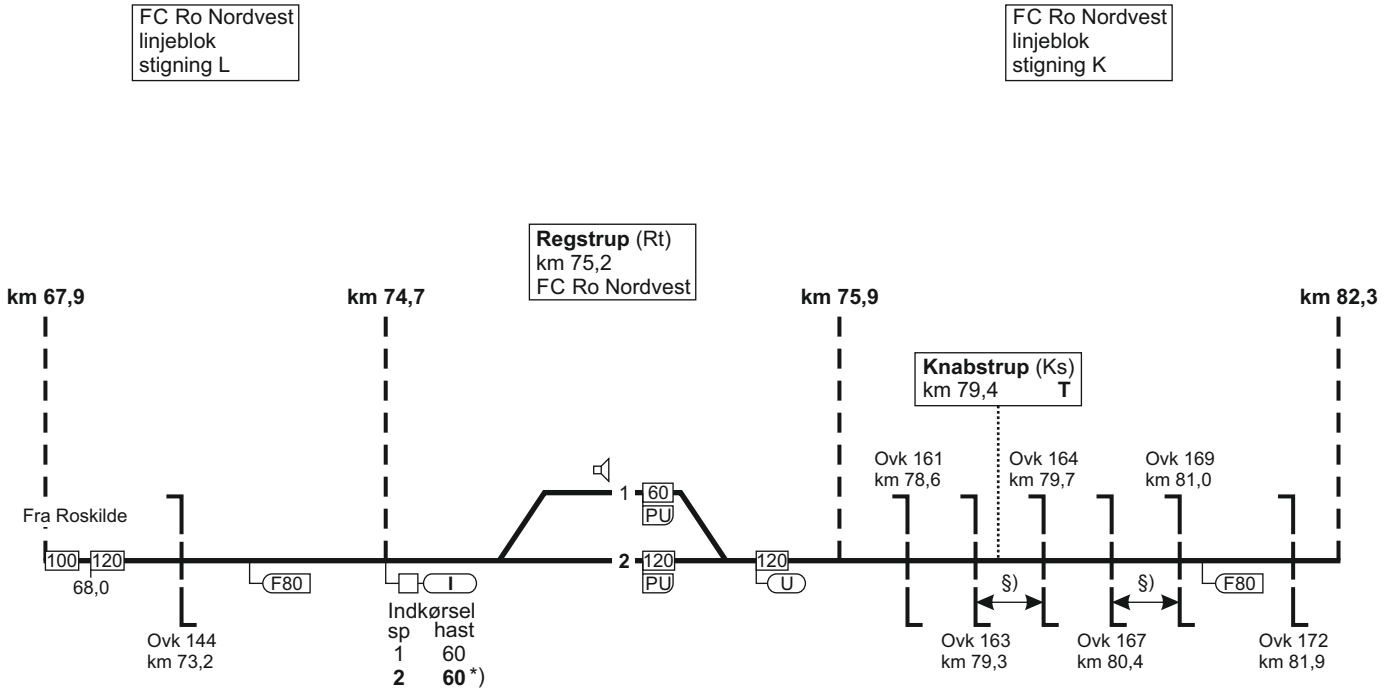
5. Roskilde - Kalundborg



5. Roskilde - Kalundborg



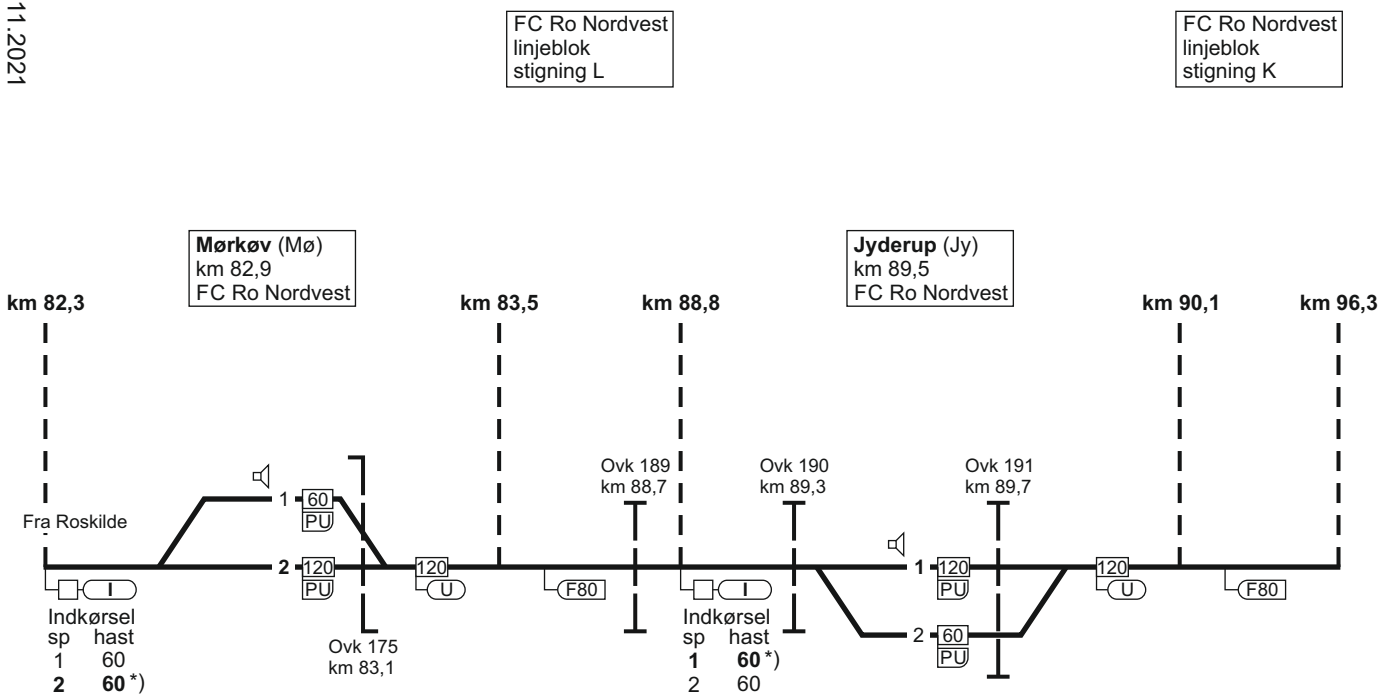
5. Roskilde - Kalundborg



*) Ved "Kør igennem" dog **120** km/t

§) = overkørslerne har fælles overkørselssignal

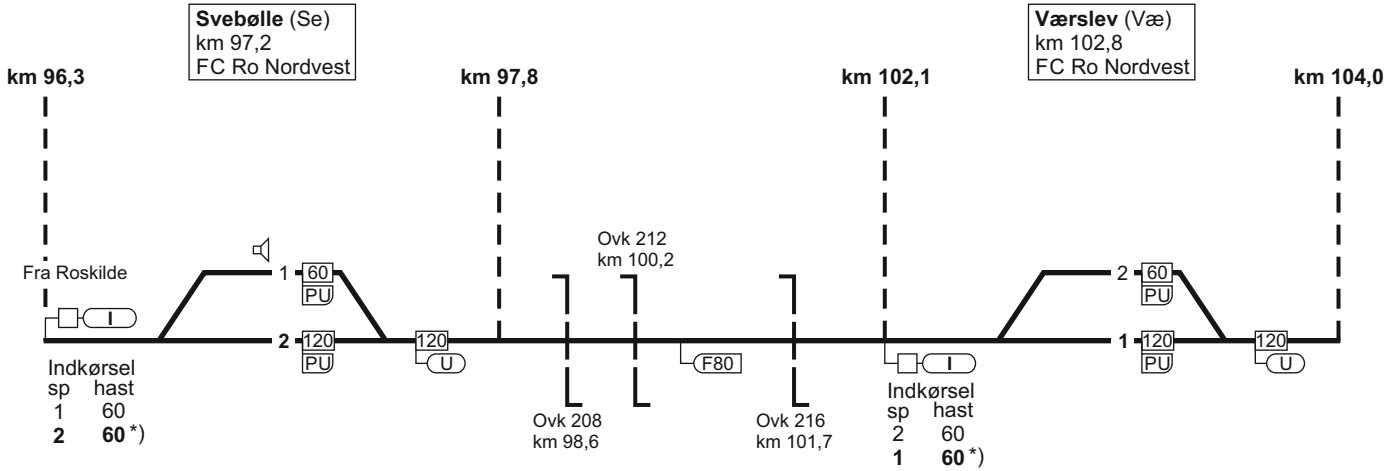
5. Roskilde - Kalundborg



*) Ved "Kør igennem"
dog **120** km/t

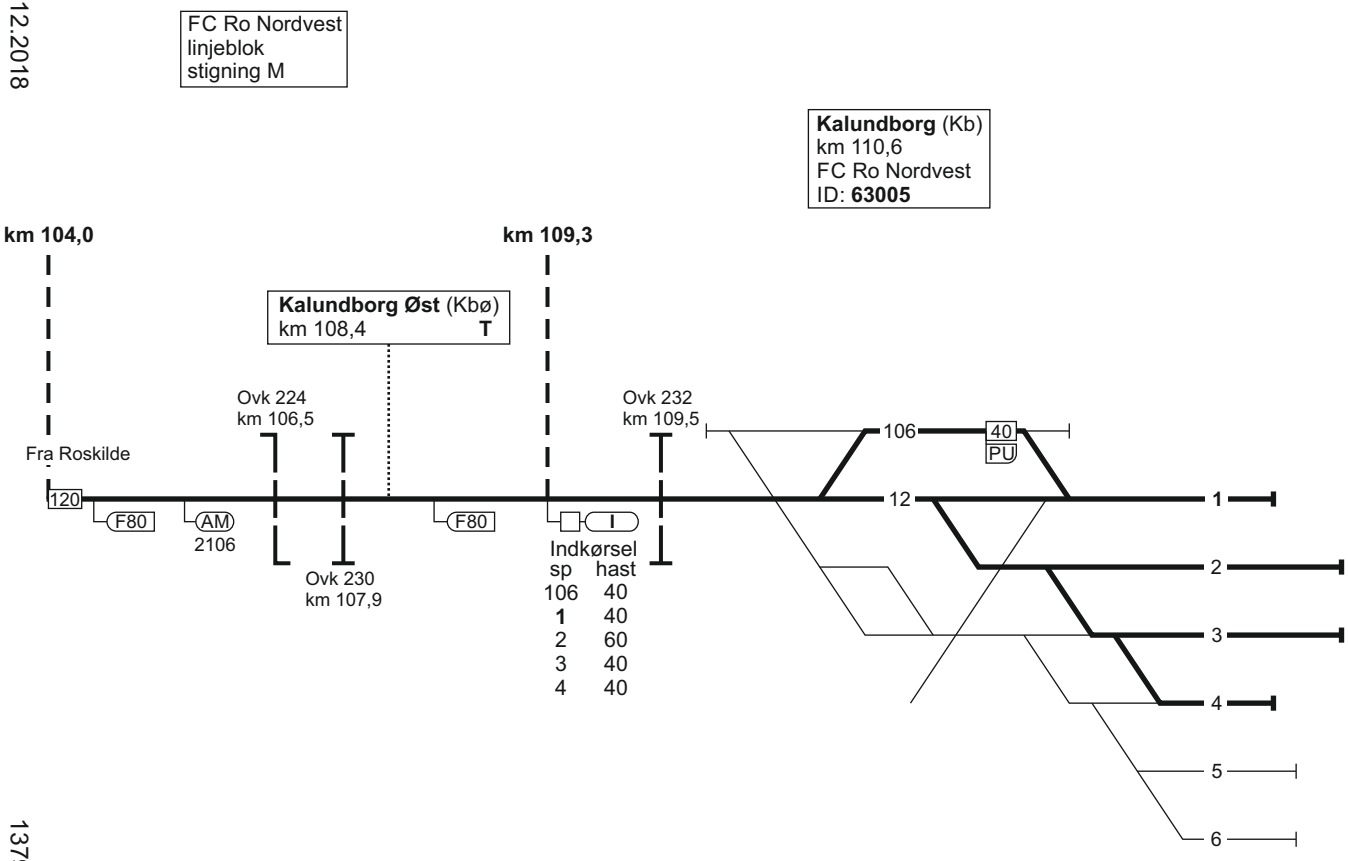
5. Roskilde - Kalundborg

FC Ro Nordvest
linjeblok
stigning K

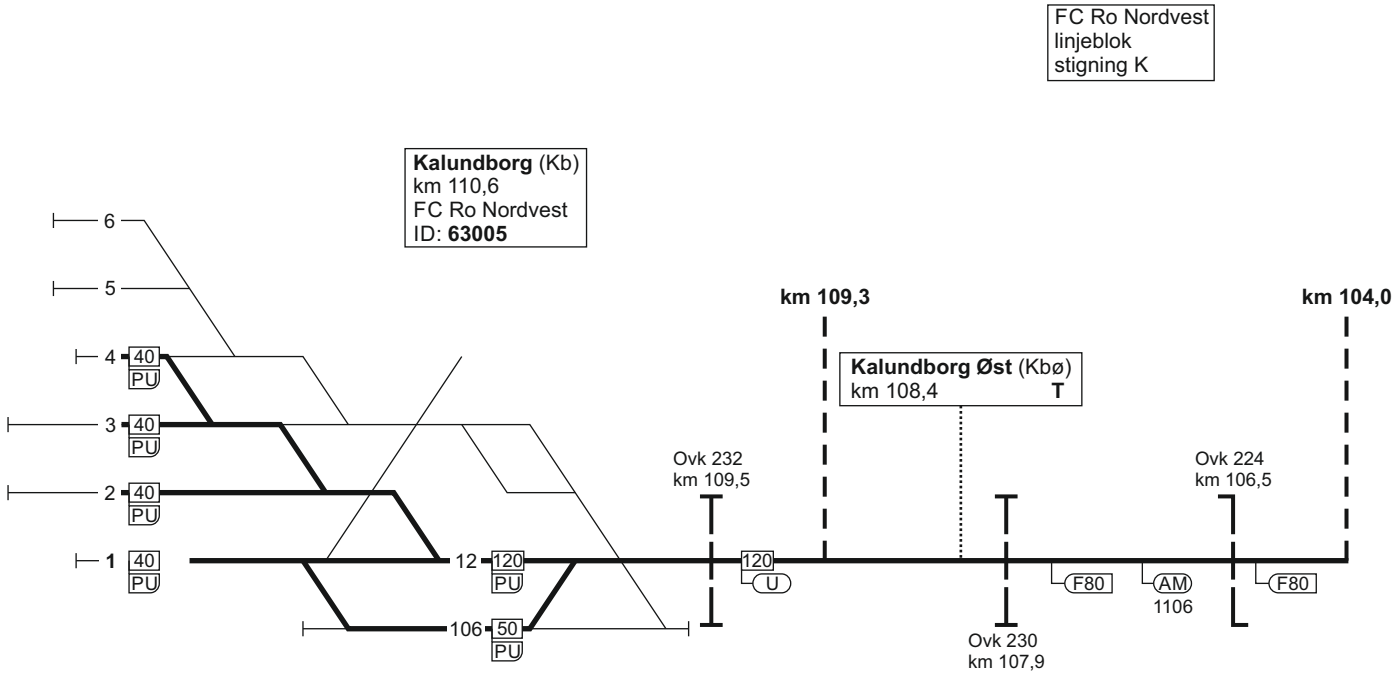


*) Ved "Kør igennem"
dog **120** km/t

5. Roskilde - Kalundborg

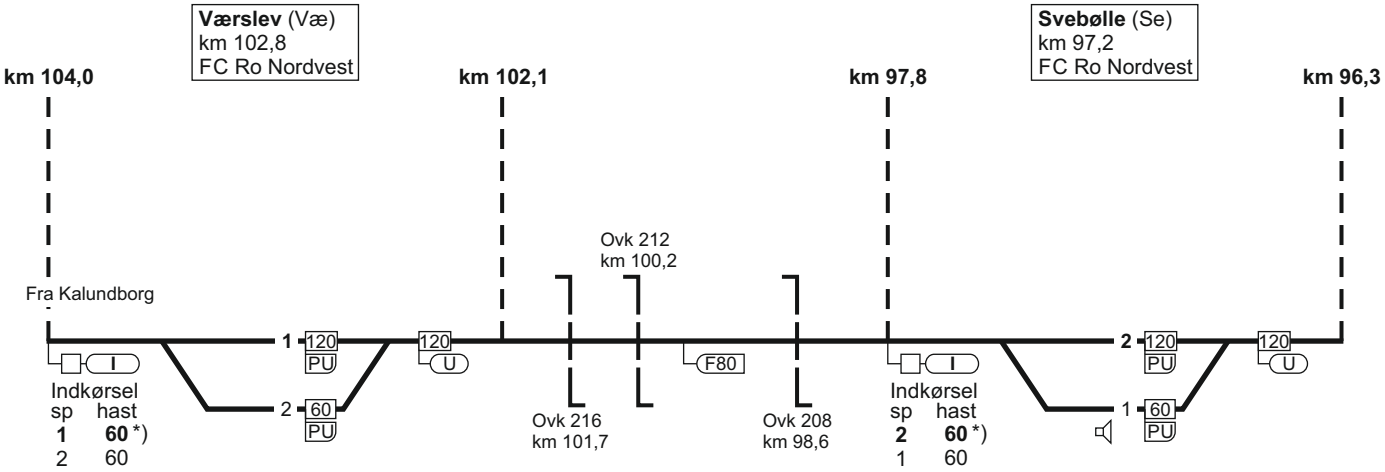


5. Kalundborg - Roskilde



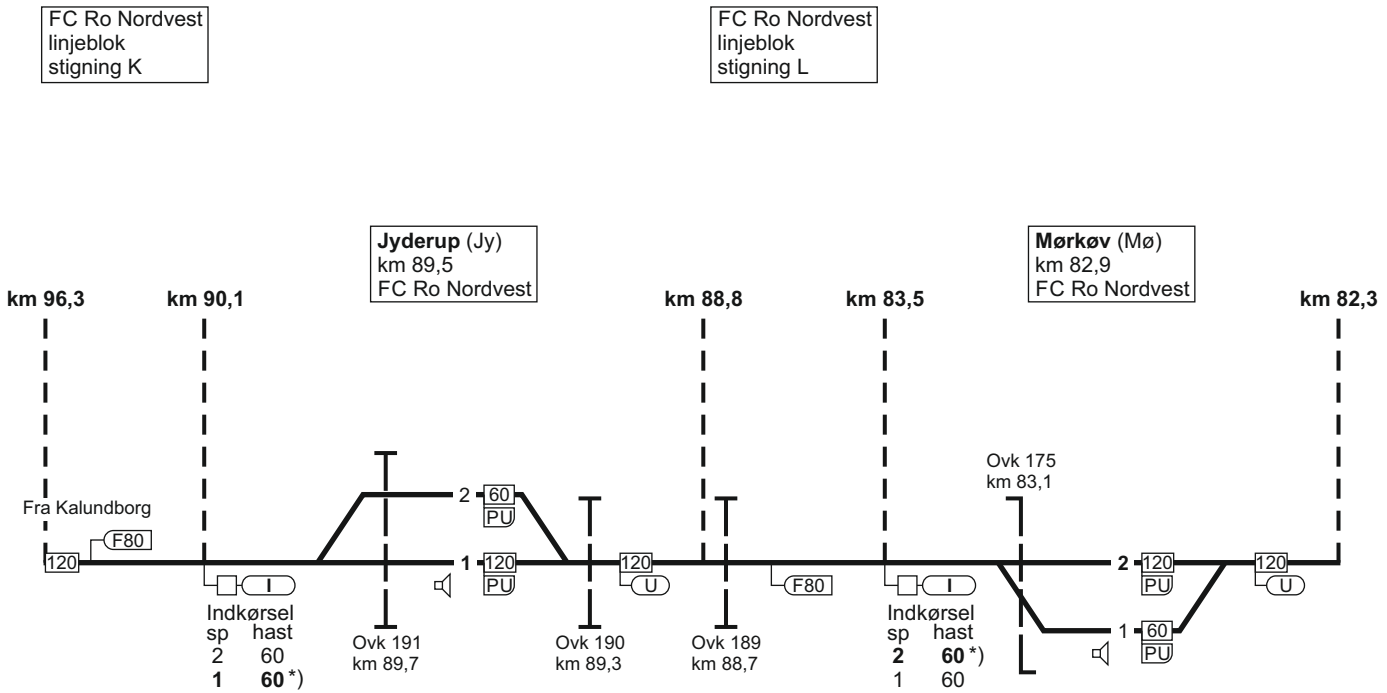
5. Kalundborg - Roskilde

FC Ro Nordvest
linjeblok
stigning L



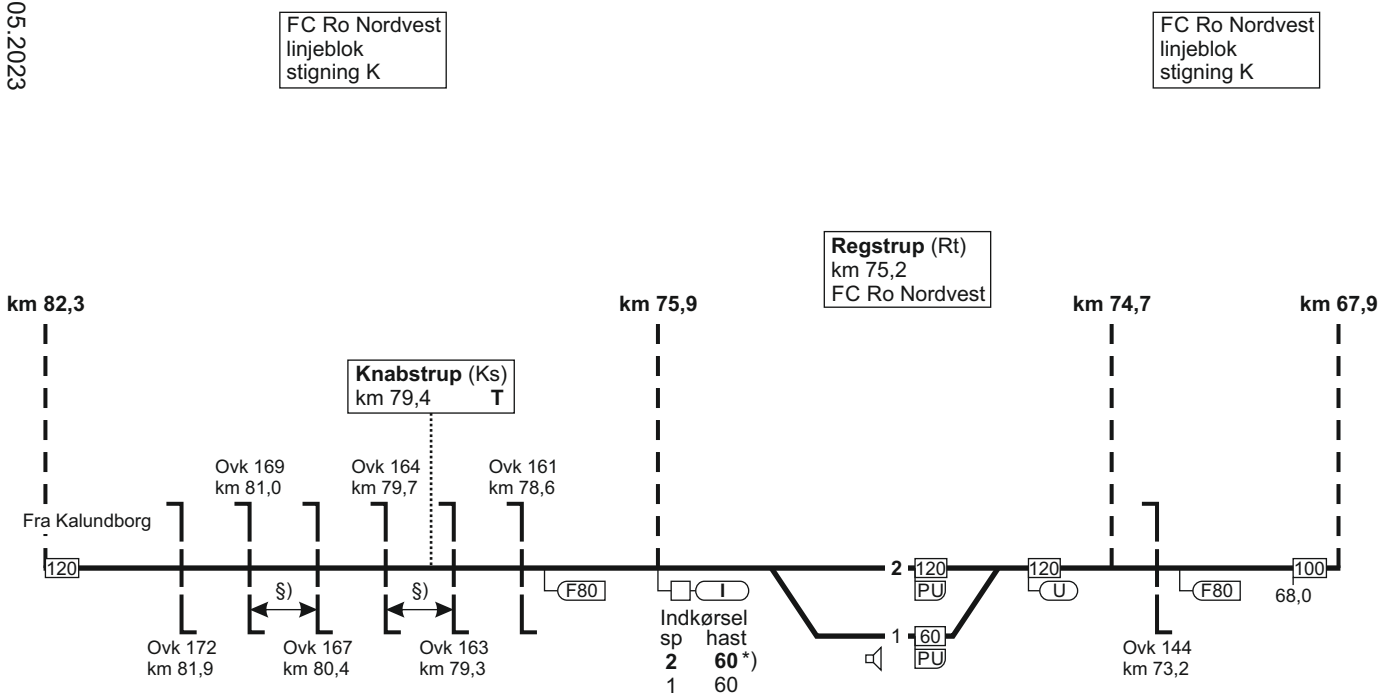
*) Ved "Kør igennem"
dog **120** km/t

5. Kalundborg - Roskilde



*) Ved "Kør igennem"
dog **120** km/t

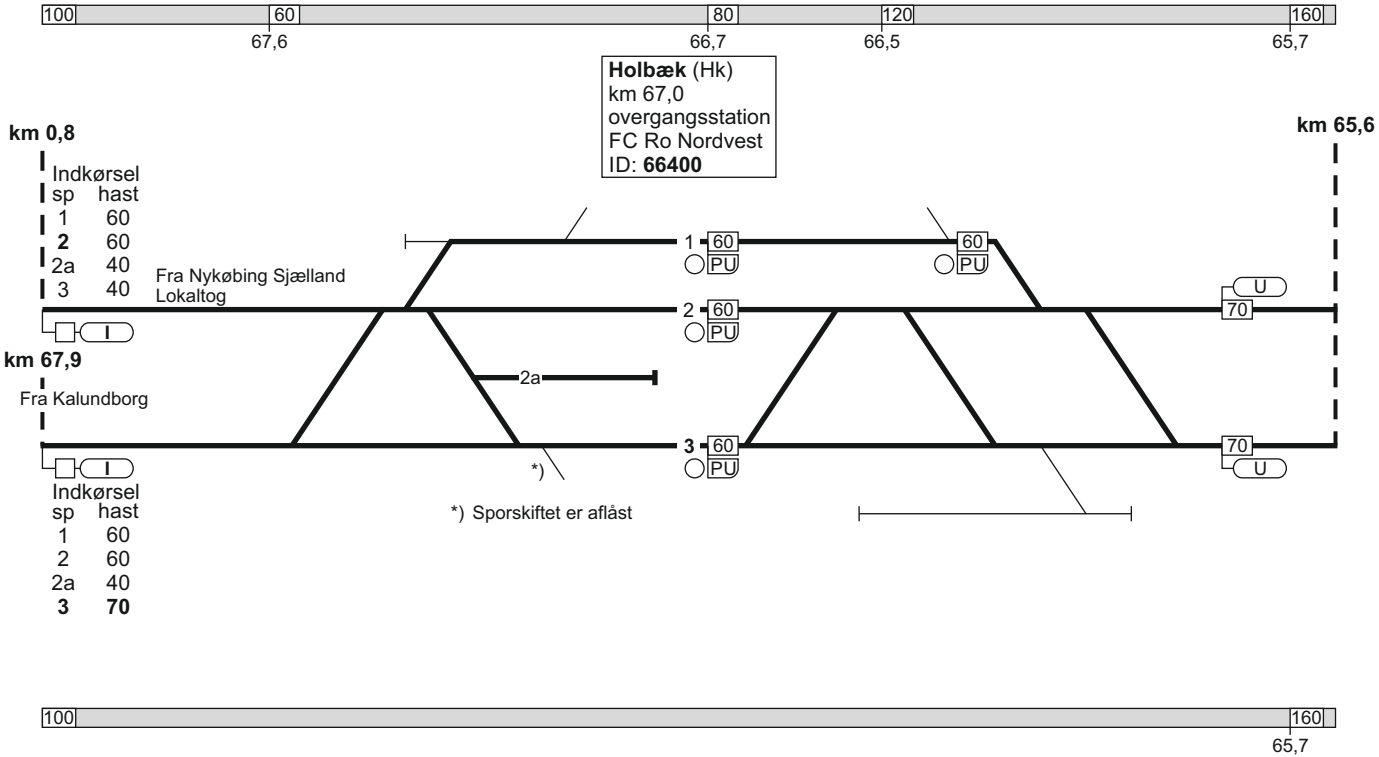
5. Kalundborg - Roskilde



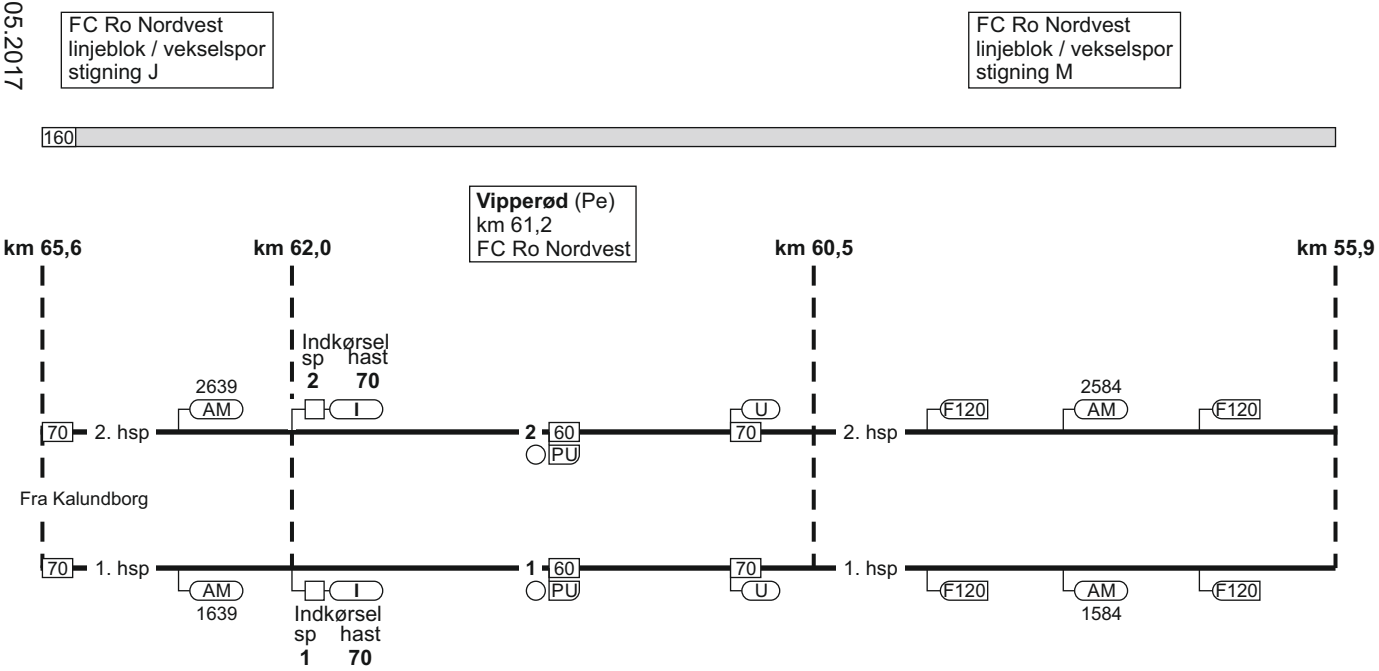
§) = overkørslerne har fælles overkørselssignal

*) Ved "Kør igennem" dog **120** km/t

5. Kalundborg - Roskilde

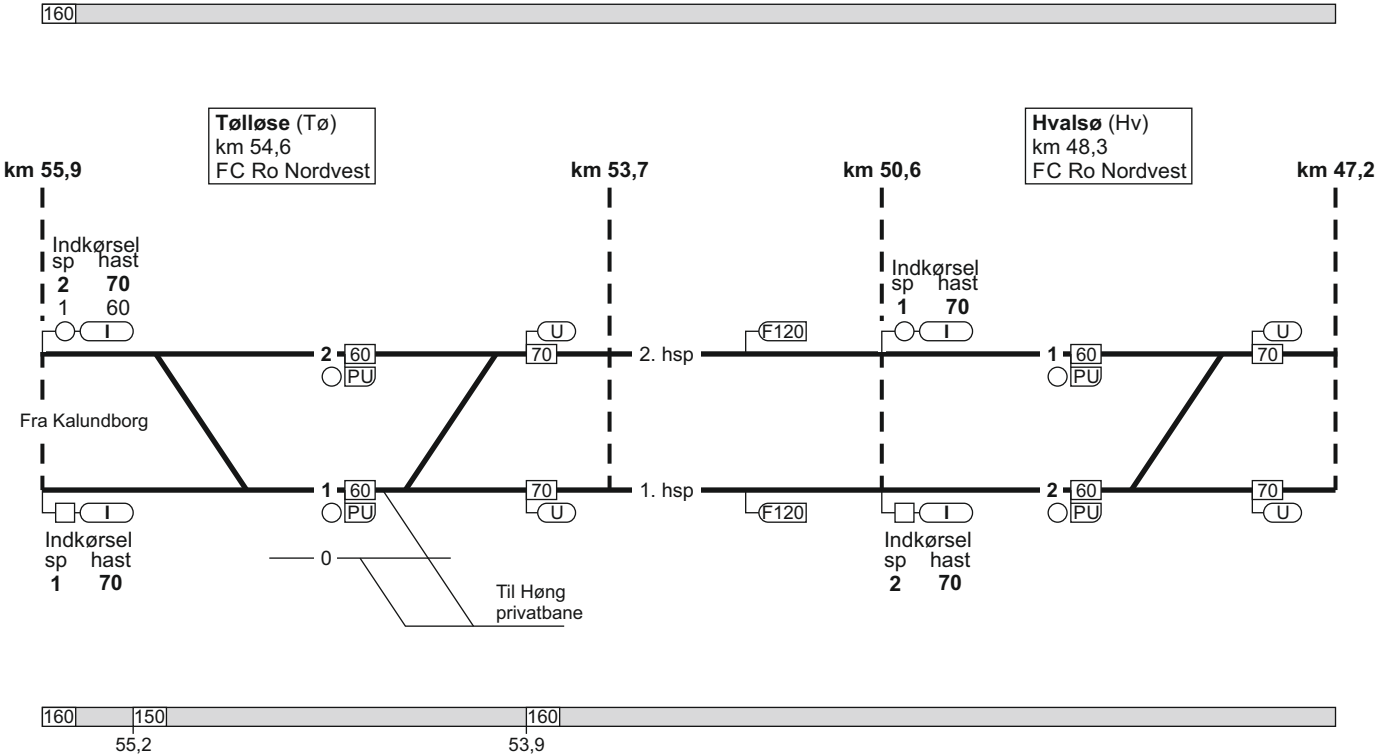


5. Kalundborg - Roskilde

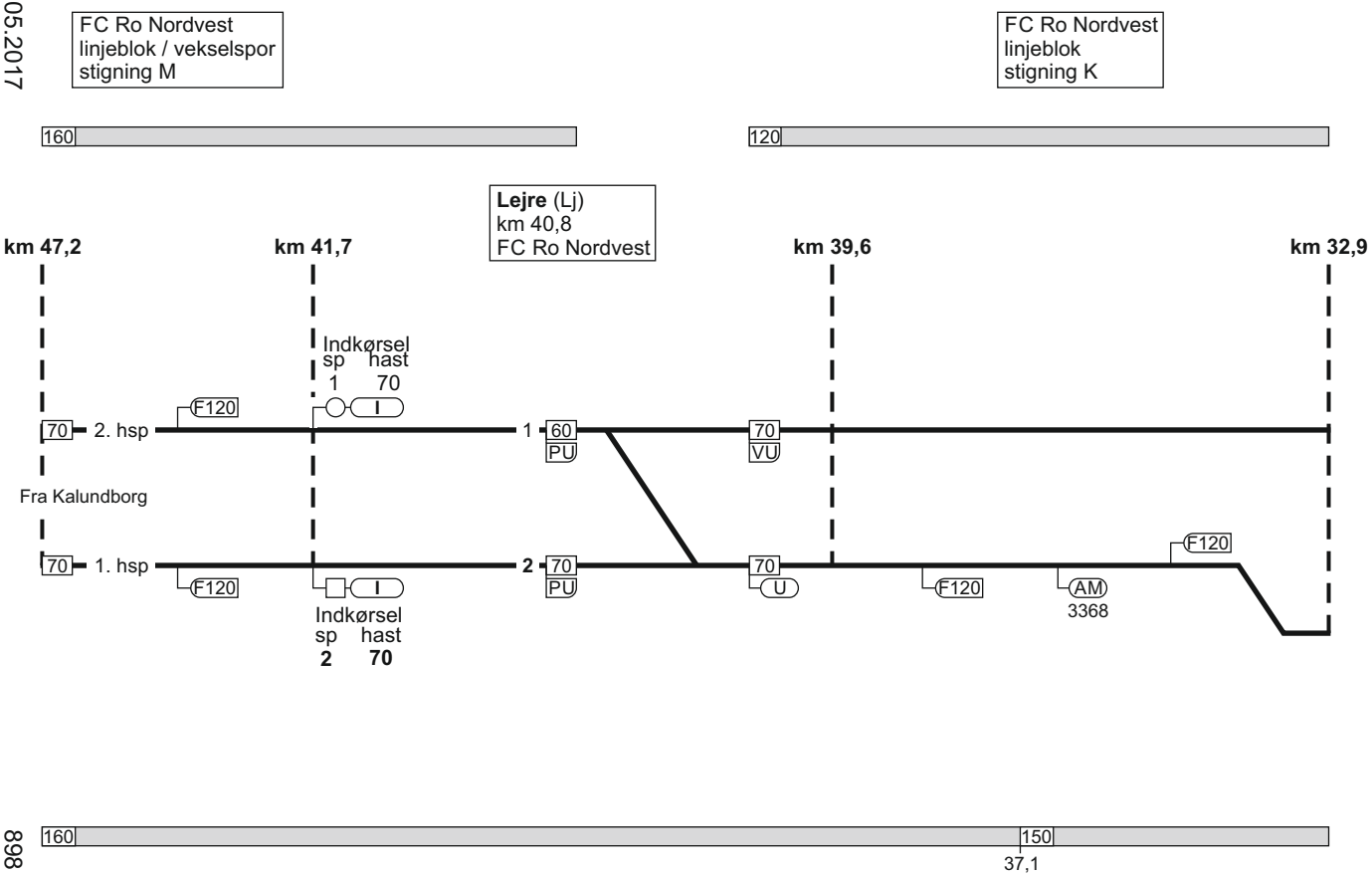


5. Kalundborg - Roskilde

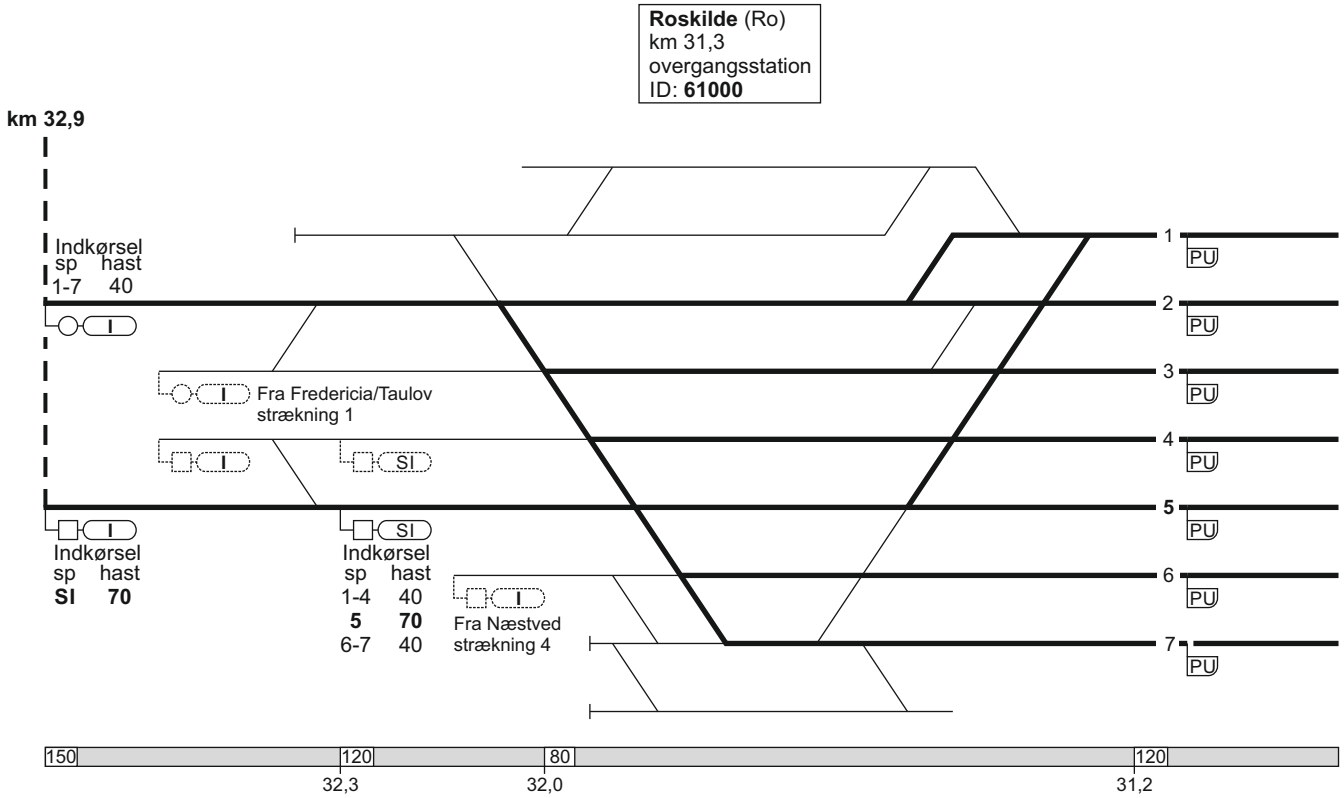
FC Ro Nordvest
linjeblok / vekselspor
stigning K



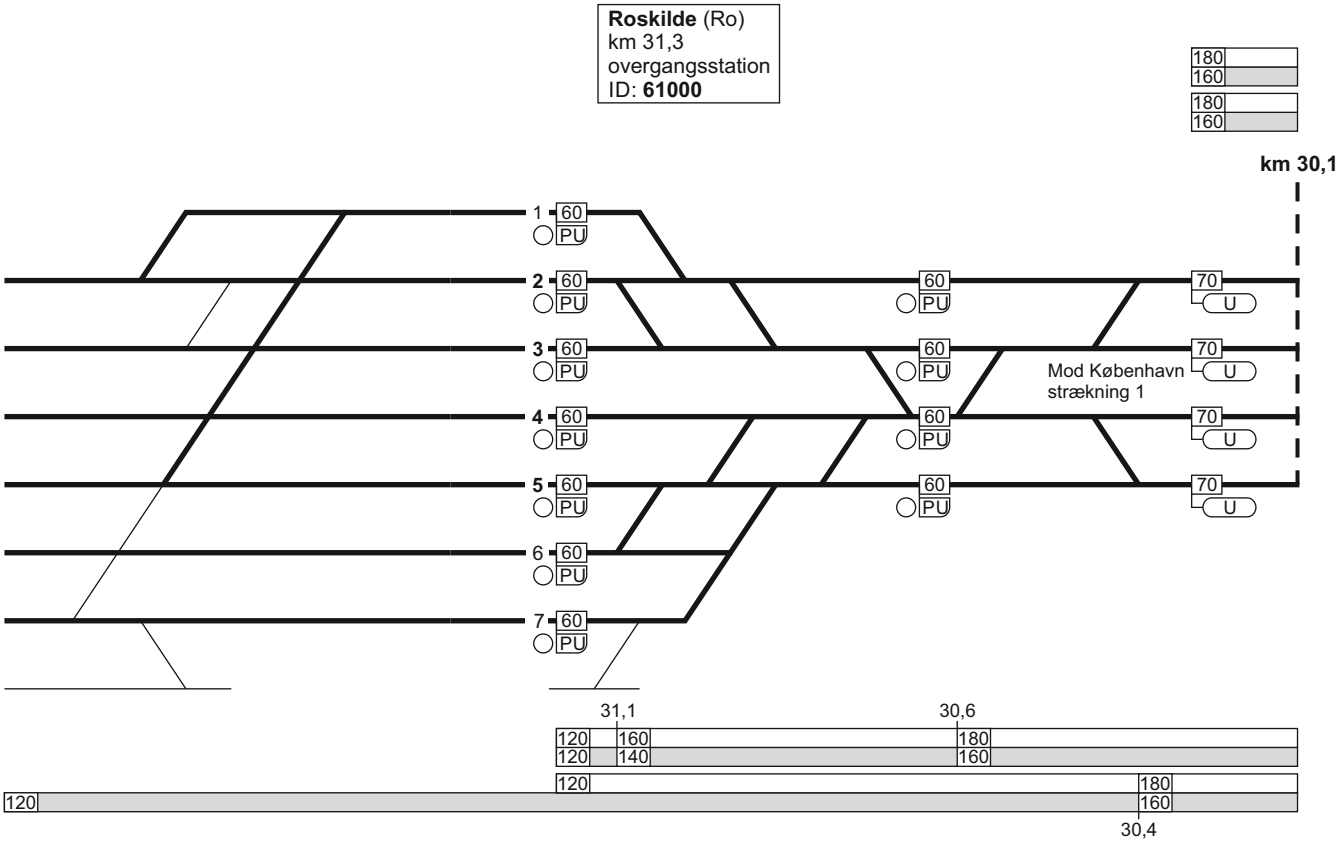
5. Kalundborg - Roskilde



5. Kalundborg - Roskilde



5. Kalundborg - Roskilde



5. Roskilde - Kalundborg

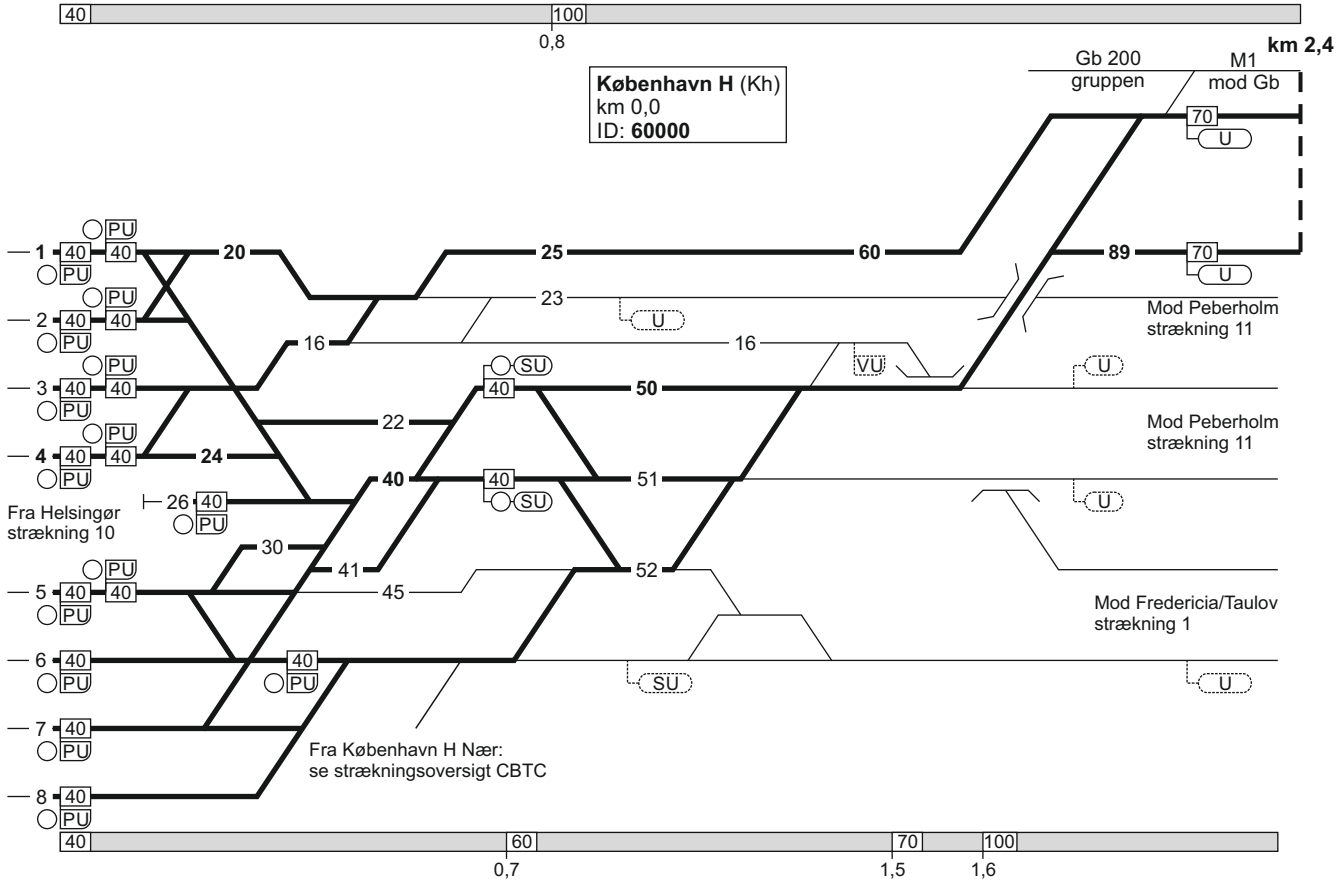
Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Roskilde				**Kmp Roskilde:** 82 32 03 04 GSM-R: 81 99 12 10 **FC Roskilde Nordvest:** Ro (ekskl.) - Kb 82 42 41 20 GSM-R (Ro) - Hk: 81 99 12 13 GSM-R (Hk) - Kb: 81 99 12 30
Kalundborg				GSM-R: 81 99 12 29

6. København H - Vigerslev - (Avedøre Havnevej) og (Bjæverskov) - Ringsted

Strækningshastighed:

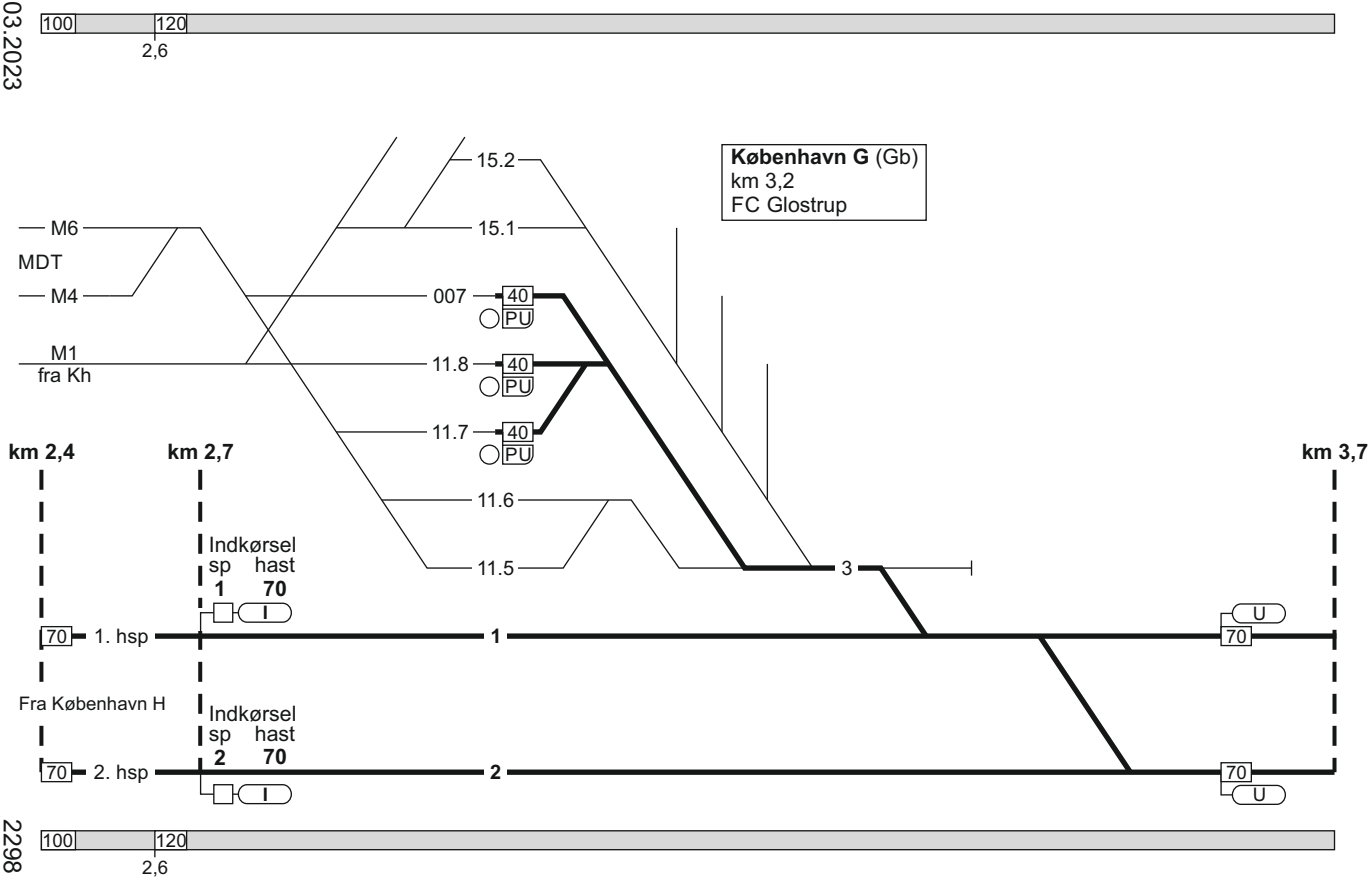
Delstrækning	Strækningshastighed (km/t)
København H - Vigerslev	120
Vigerslev - (Avedøre Havnevej) og (Bjæverskov) - Ringsted	180

6. København H - Vigerslev - (Avedøre Havnevej) og (Bjæverskov) - Ringsted

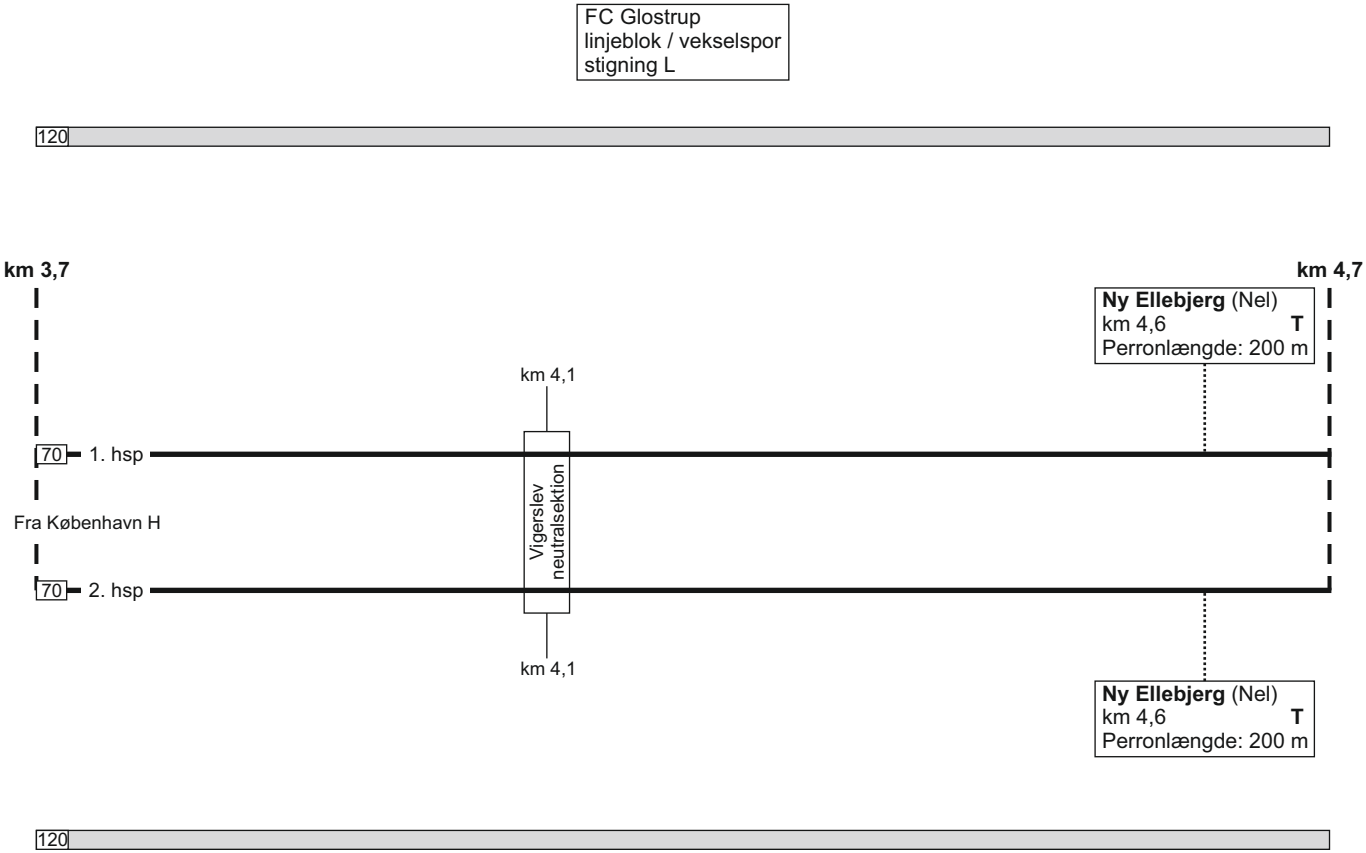


25.03.2023

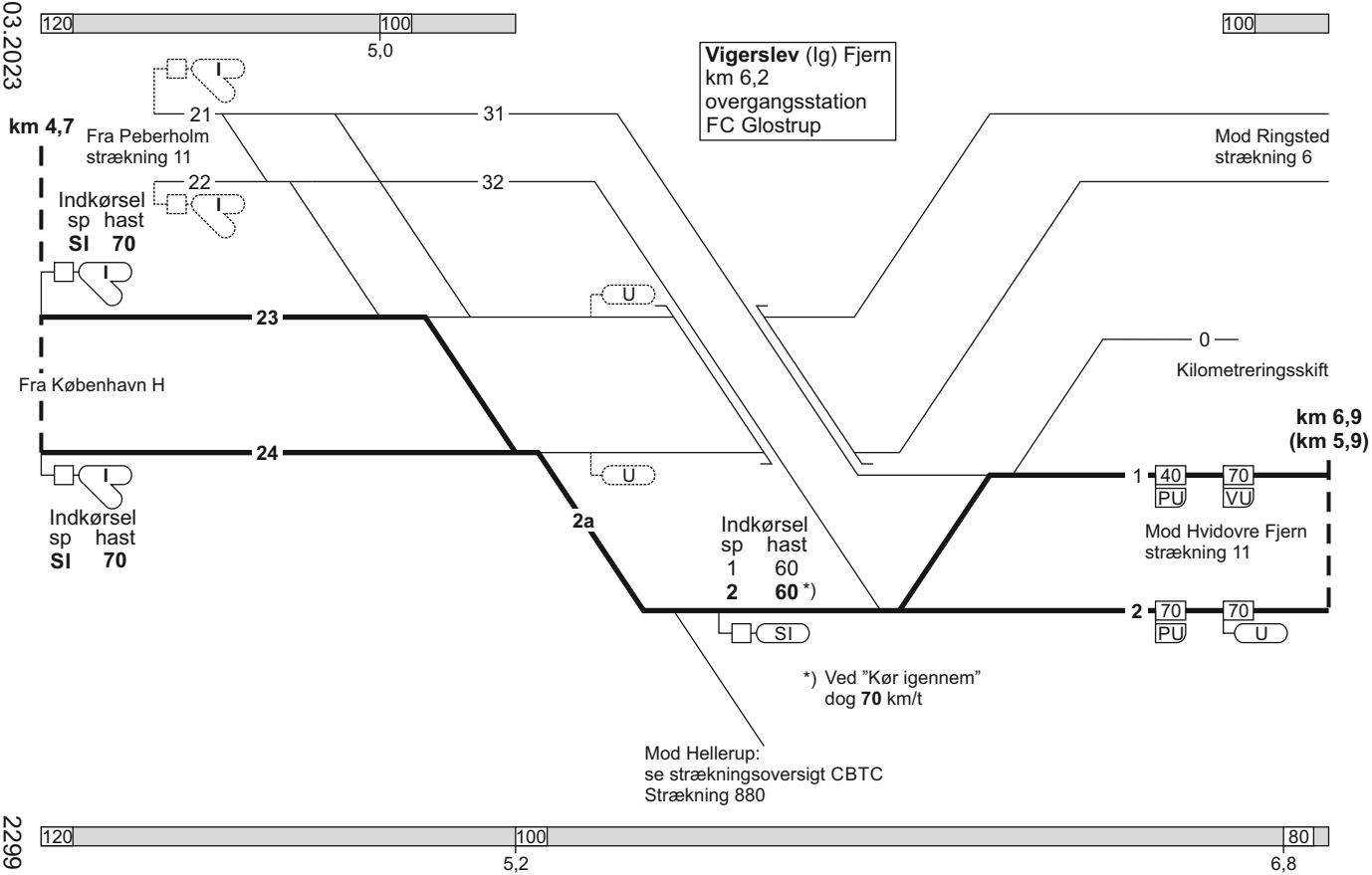
6. København H - Vigerslev - (Avedøre Havnevej) og (Bjæverskov) - Ringsted



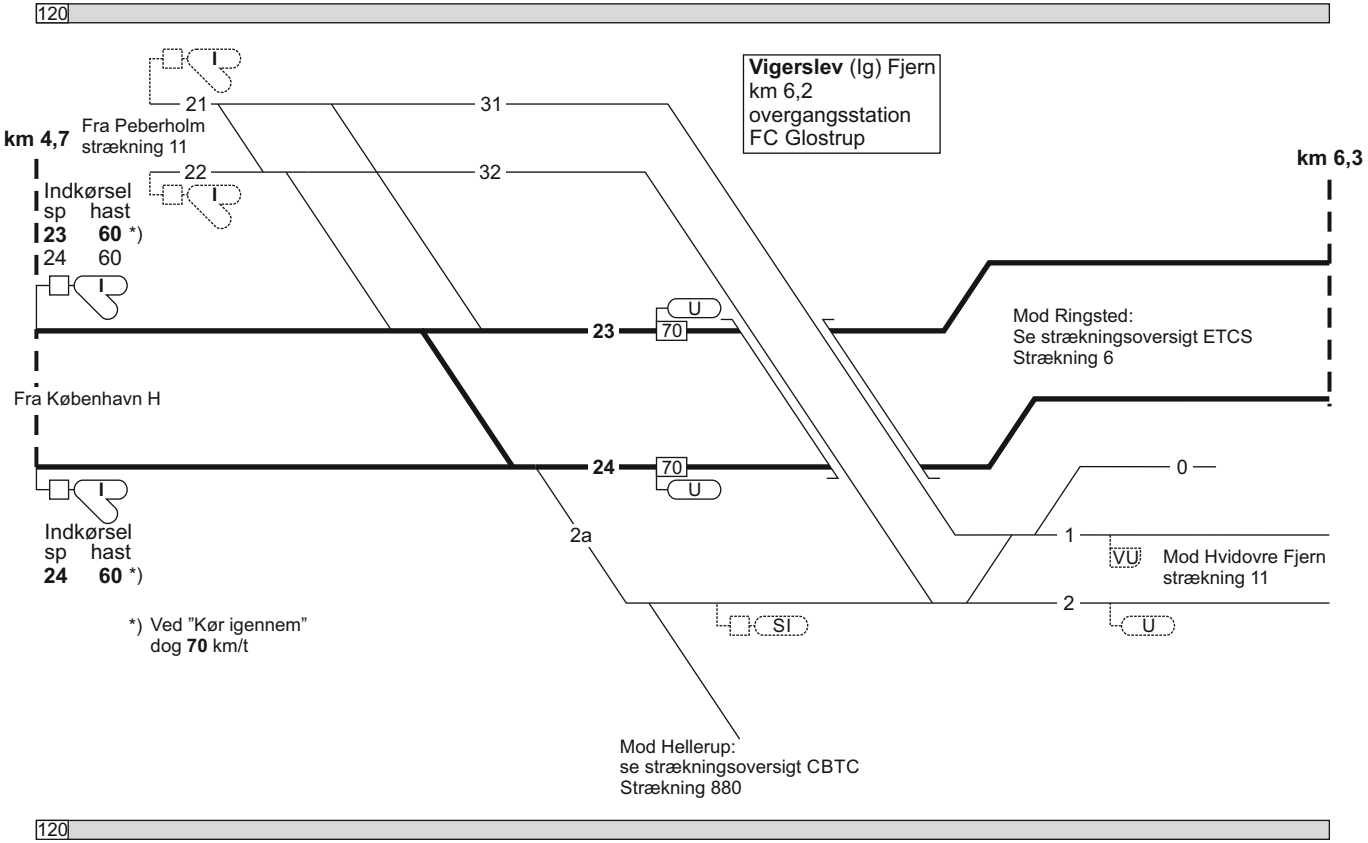
6. København H - Vigerslev - (Avedøre Havnevej) og (Bjæverskov) - Ringsted



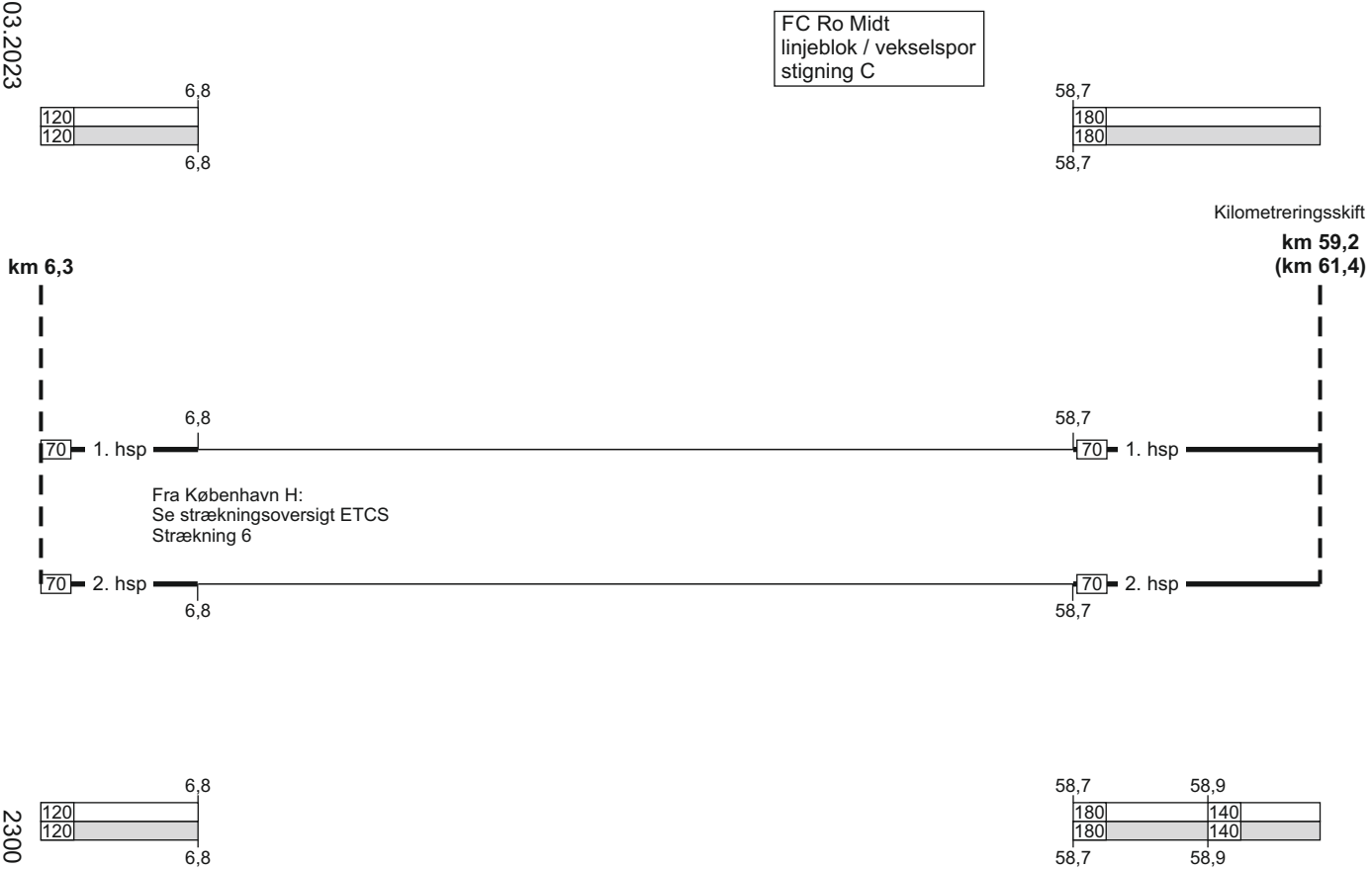
6. København H - Vigerslev - (Avedøre Havnevej) og (Bjæverskov) - Ringsted



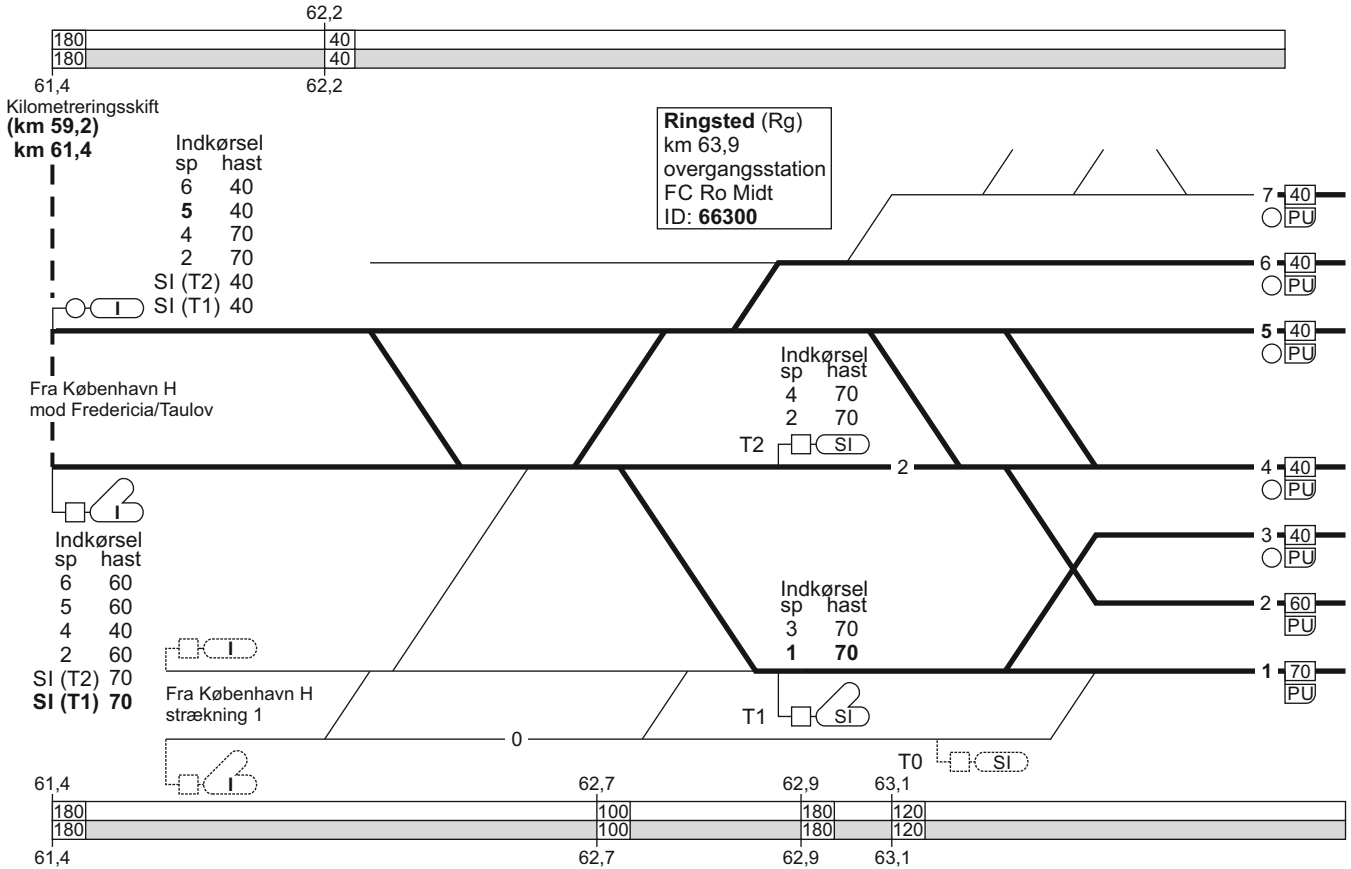
6. København H - Vigerslev - (Avedøre Havnevej) og (Bjæverskov) - Ringsted



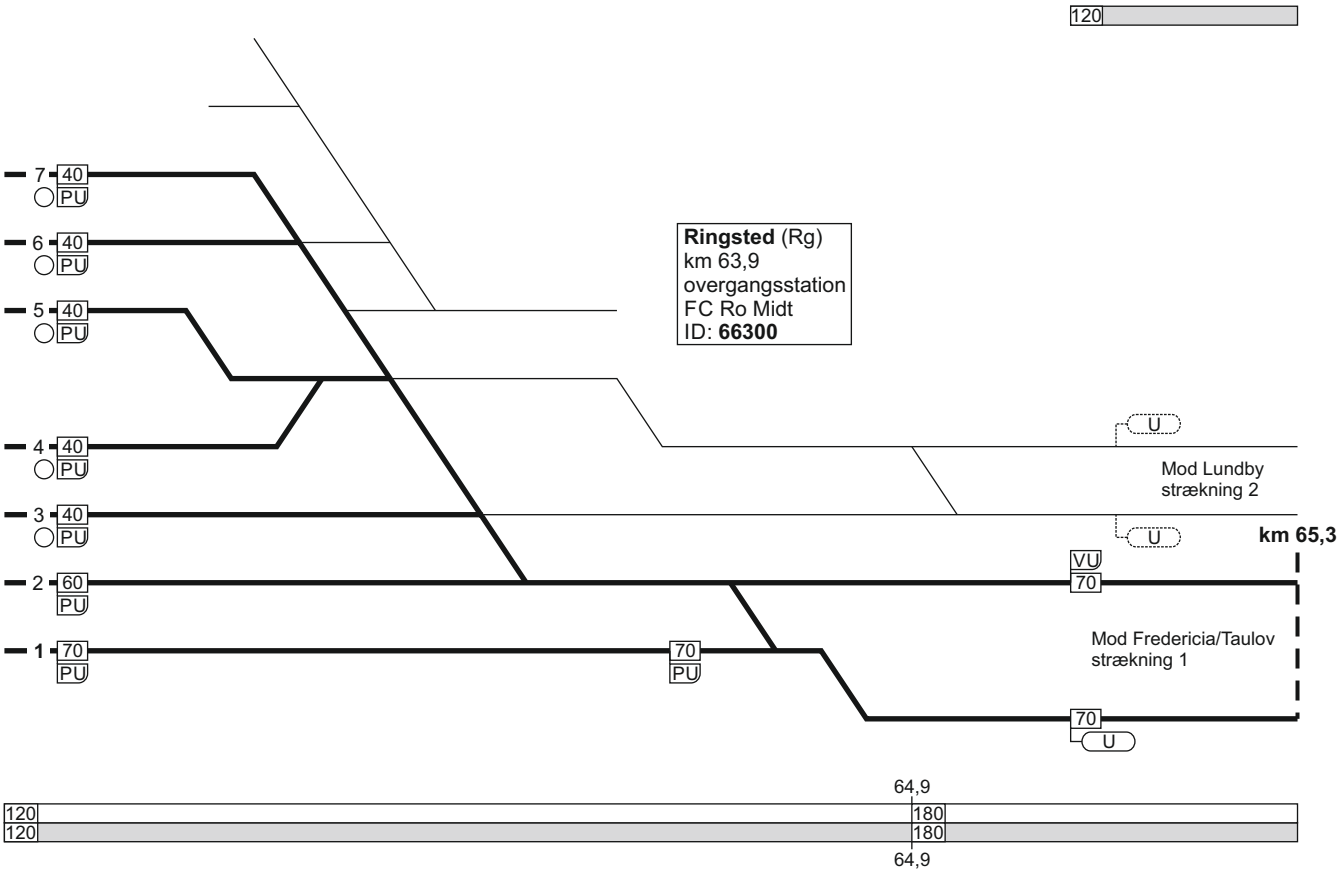
6. København H - Vigerslev - (Avedøre Havnevej) og (Bjæverskov) - Ringsted



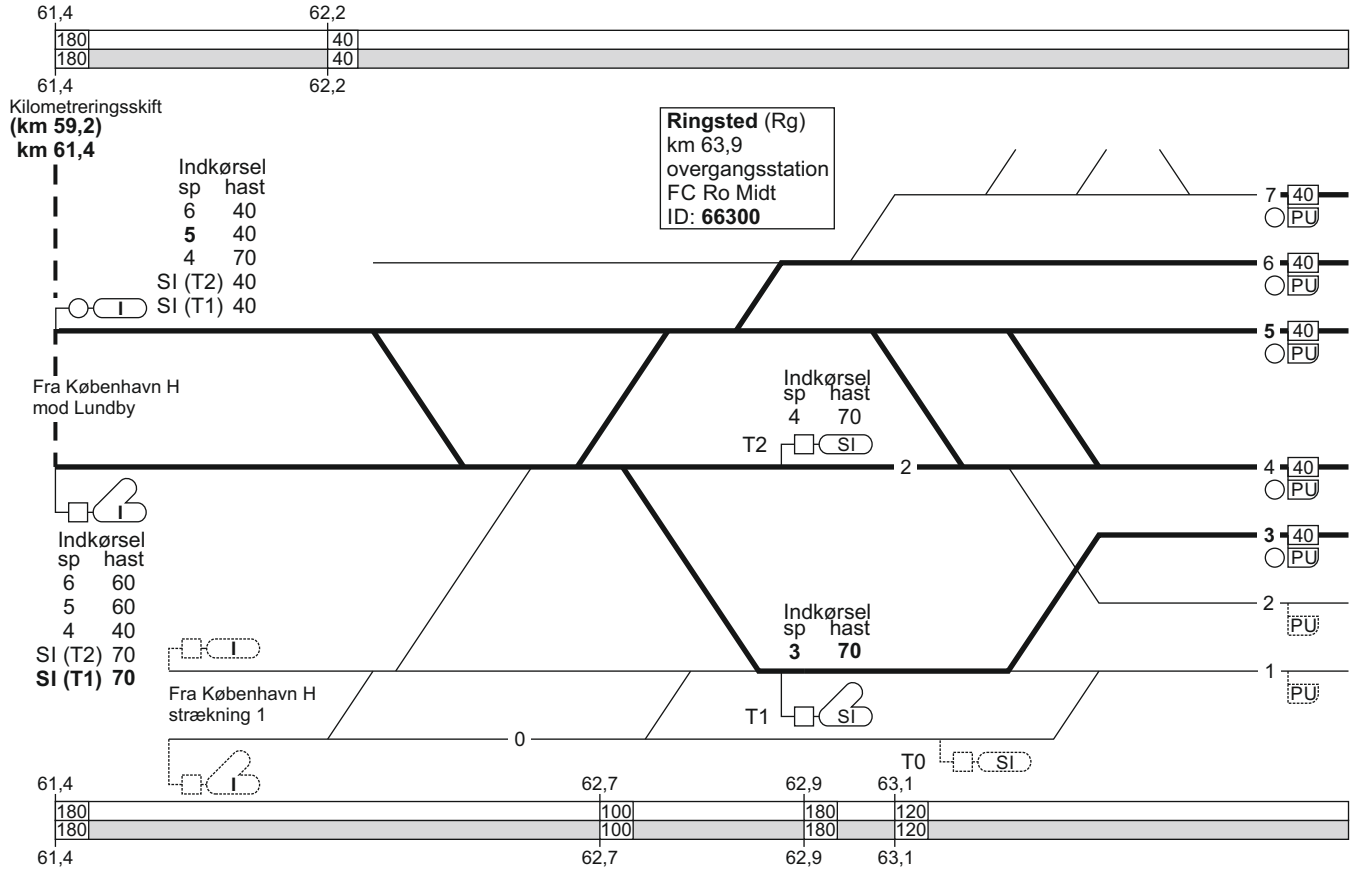
6. København H - Vigerslev - (Avedøre Havnevej) og (Bjæverskov) - Ringsted



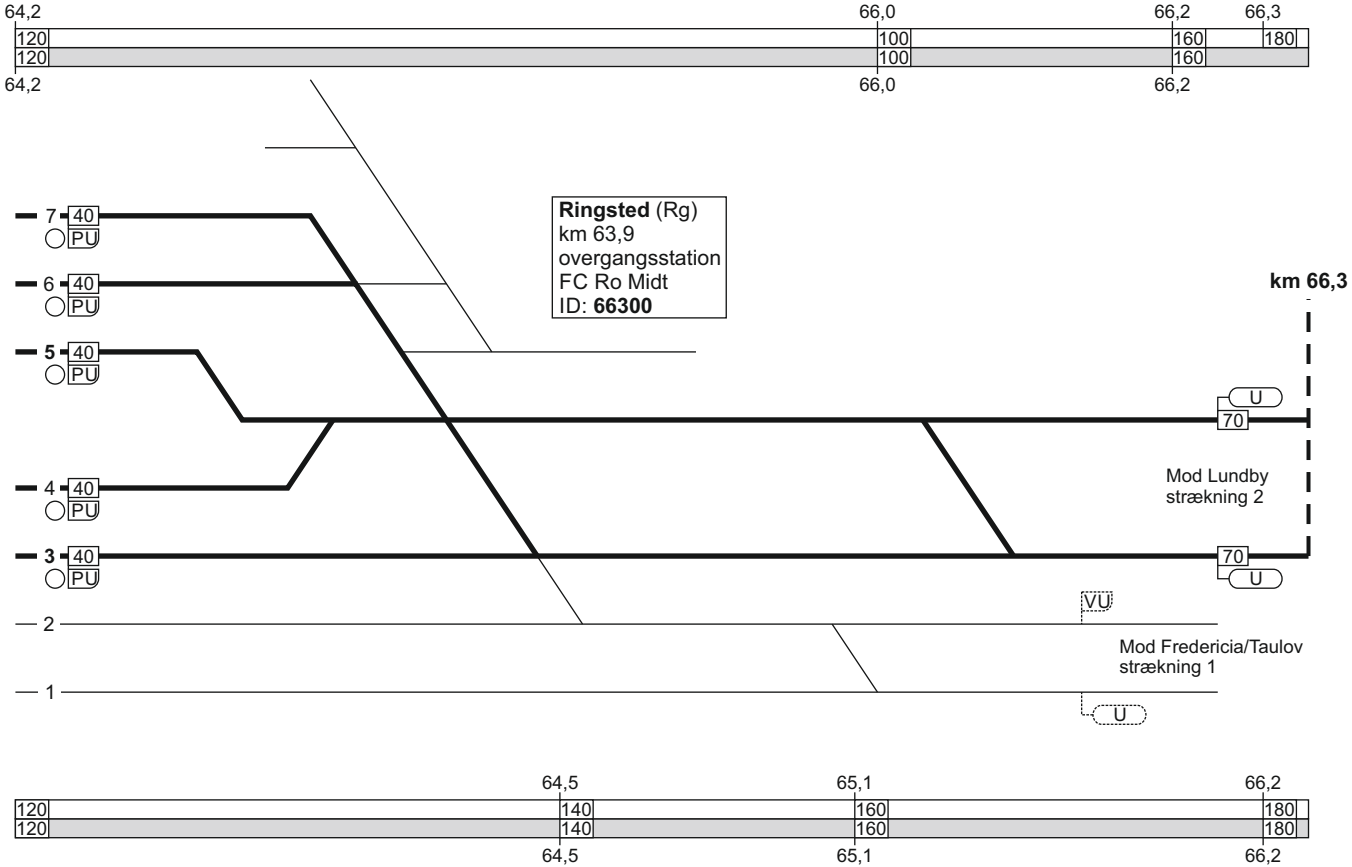
6. København H - Vigerslev - (Avedøre Havnevej) og (Bjæverskov) - Ringsted



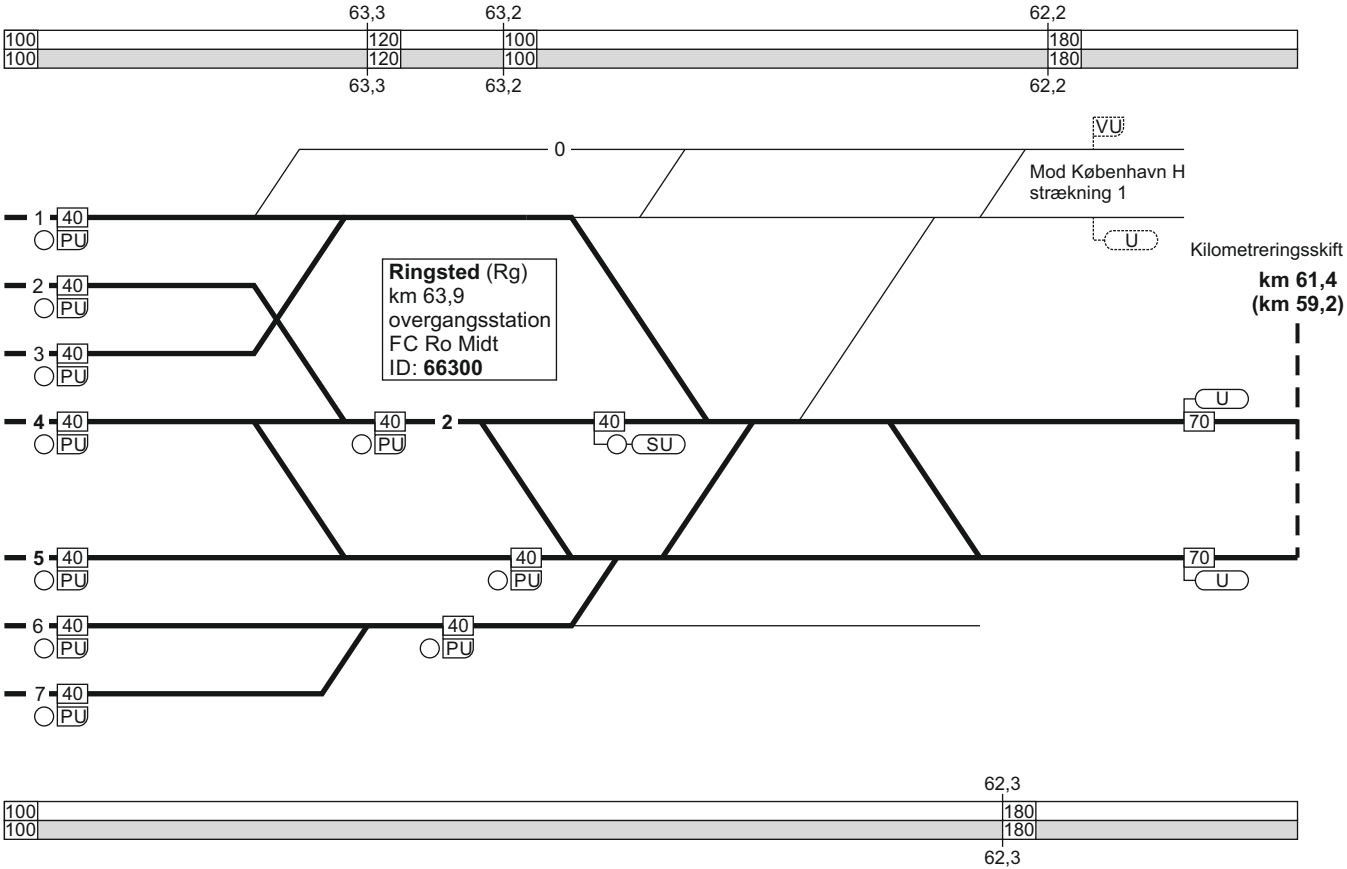
6. København H - Vigerslev - (Avedøre Havnevej) og (Bjæverskov) - Ringsted



6. København H - Vigerslev - (Avedøre Havnevej) og (Bjæverskov) - Ringsted



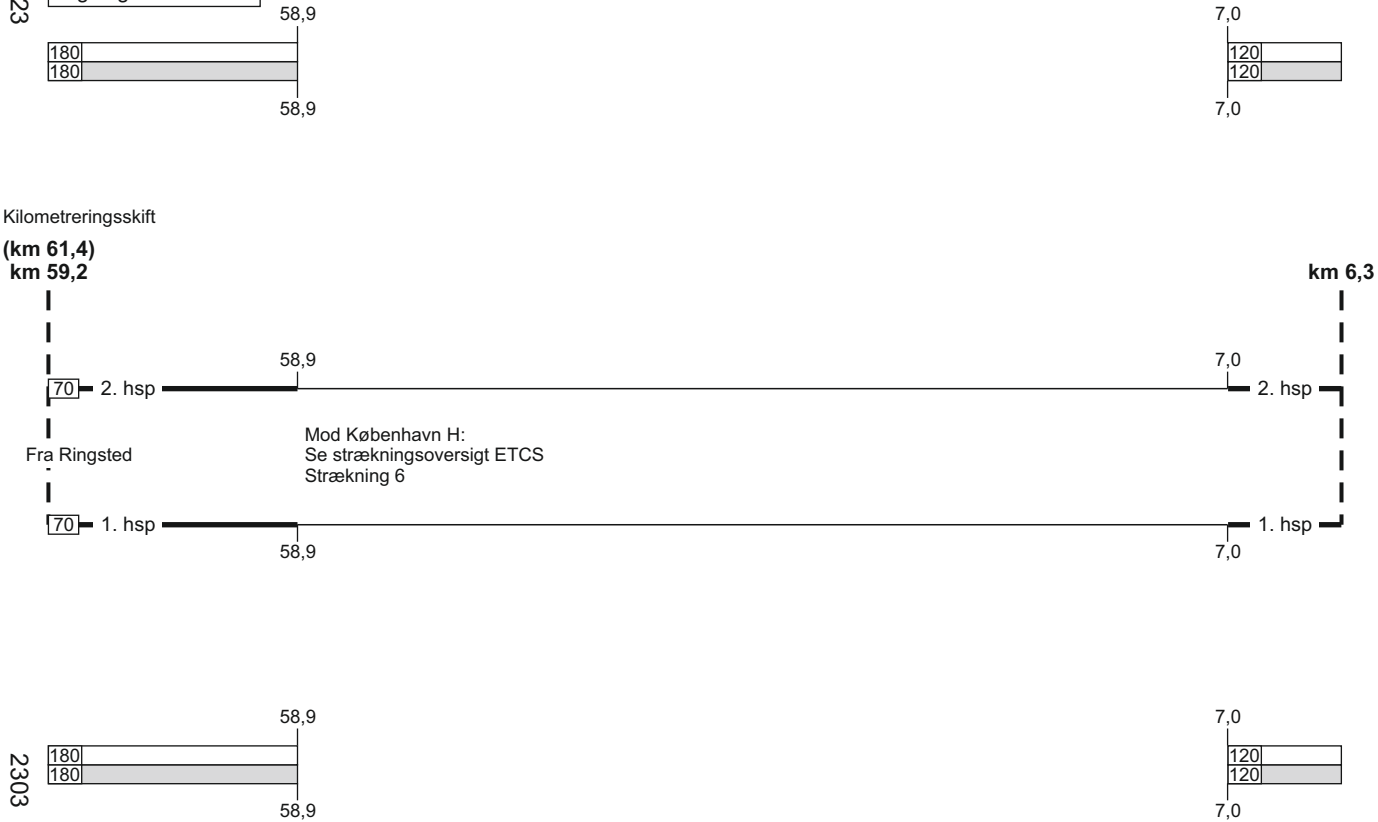
6. Ringsted - (Bjæverskov) og (Avedøre Havnevej) - Vigerslev - København H



25.03.2023

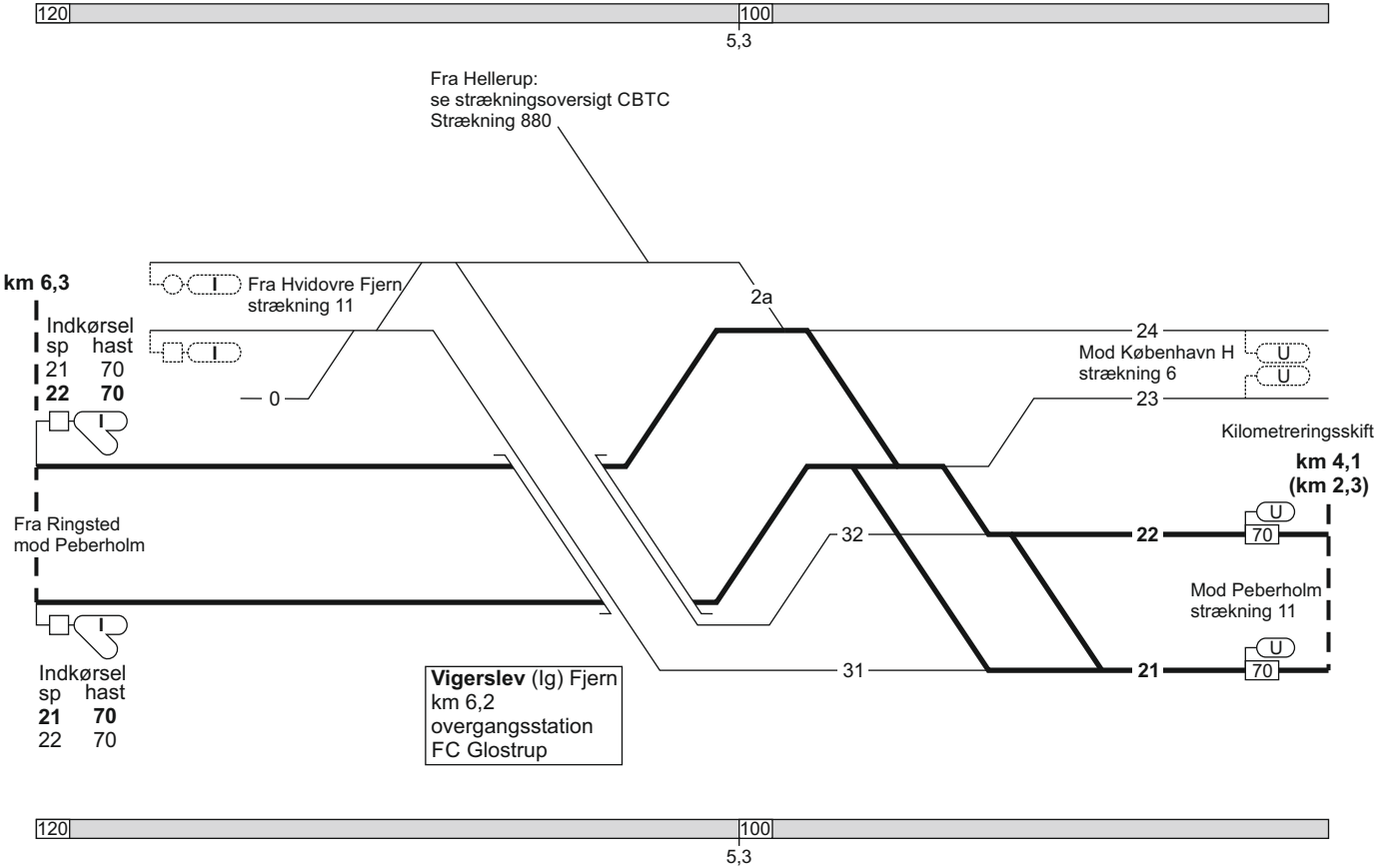
6. Ringsted - (Bjæverskov) og (Avedøre Havnevej) - Vigerslev - København H

FC Ro Midt
linjeblok / vekselspor
stigning C

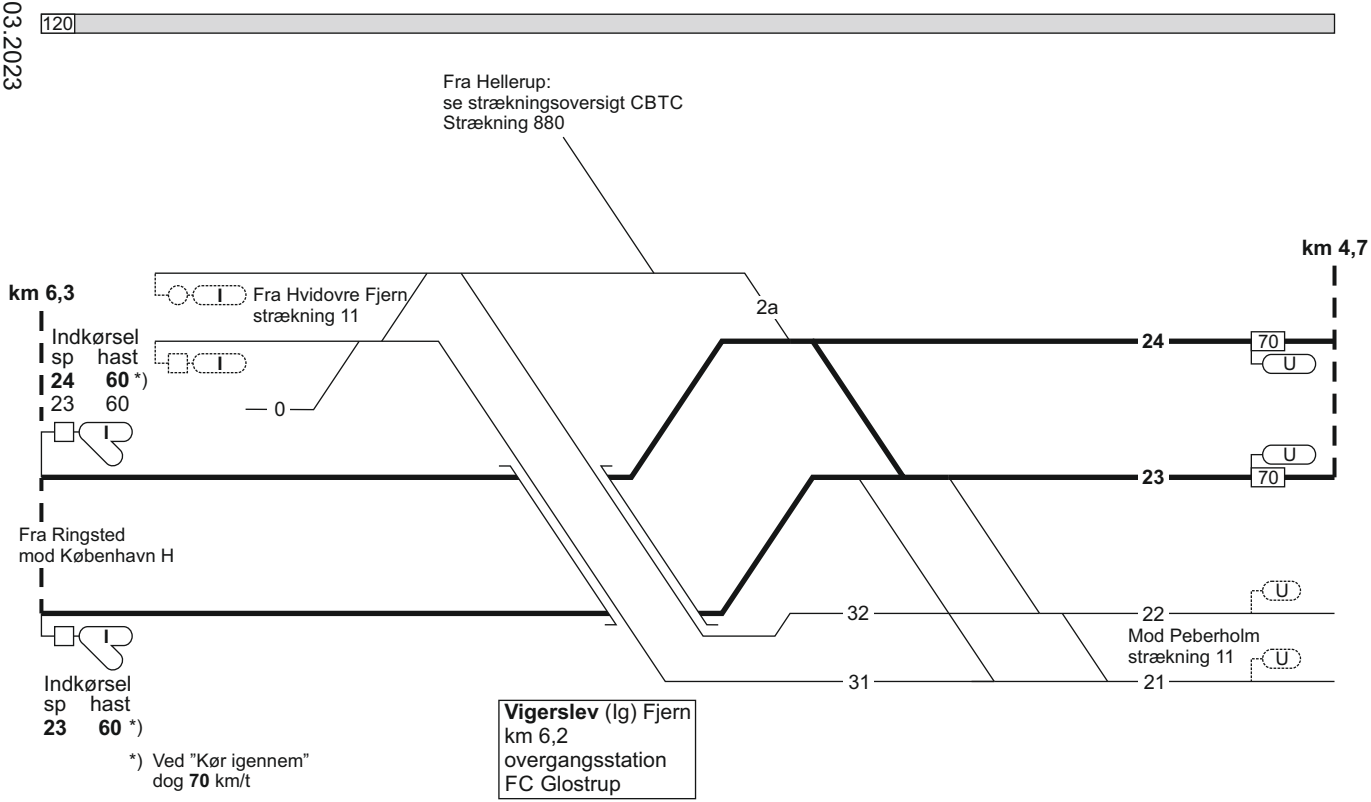


2303

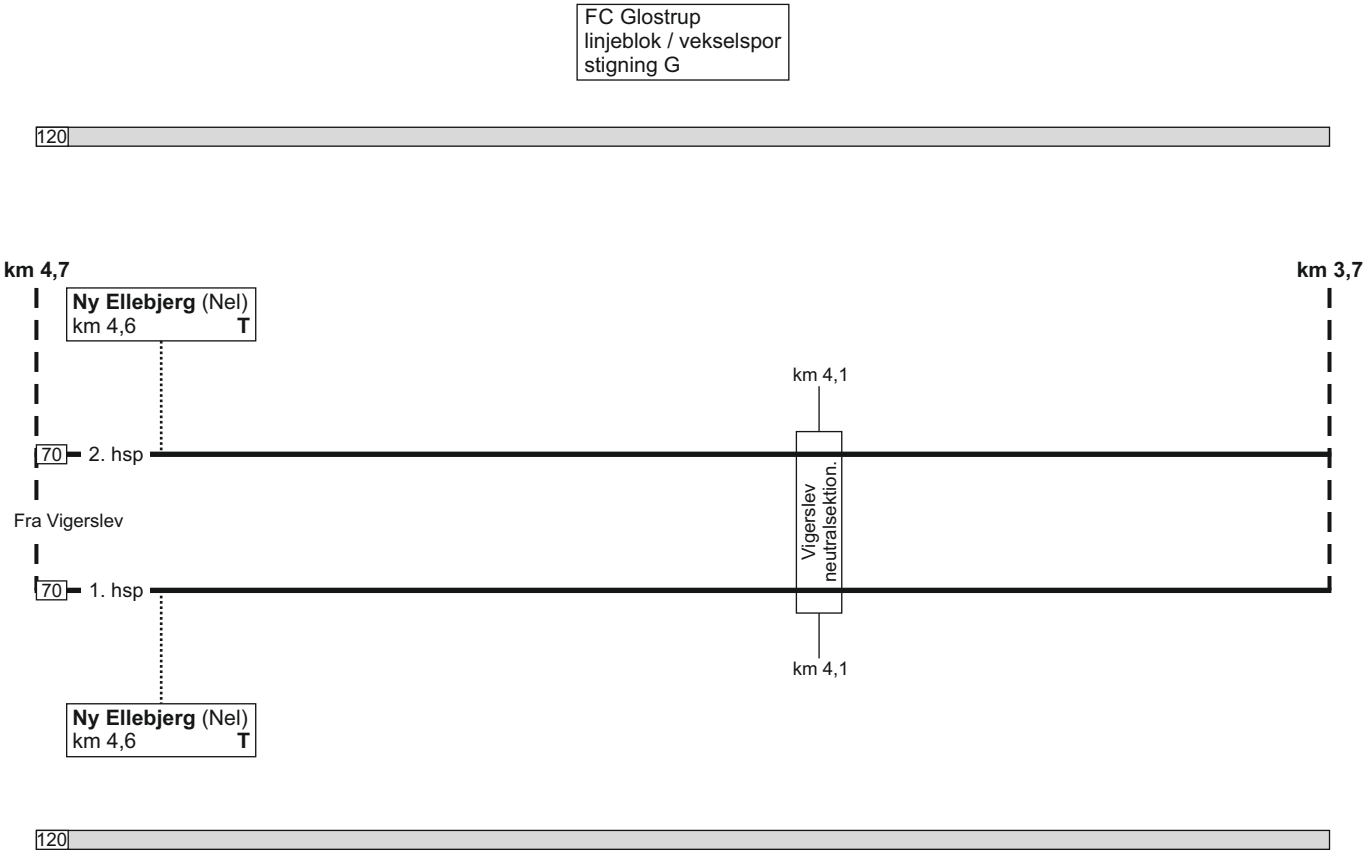
6. Ringsted - (Bjæverskov) og (Avedøre Havnevej) - Vigerslev - København H



6. Ringsted - (Bjæverskov) og (Avedøre Havnevej) - Vigerslev - København H

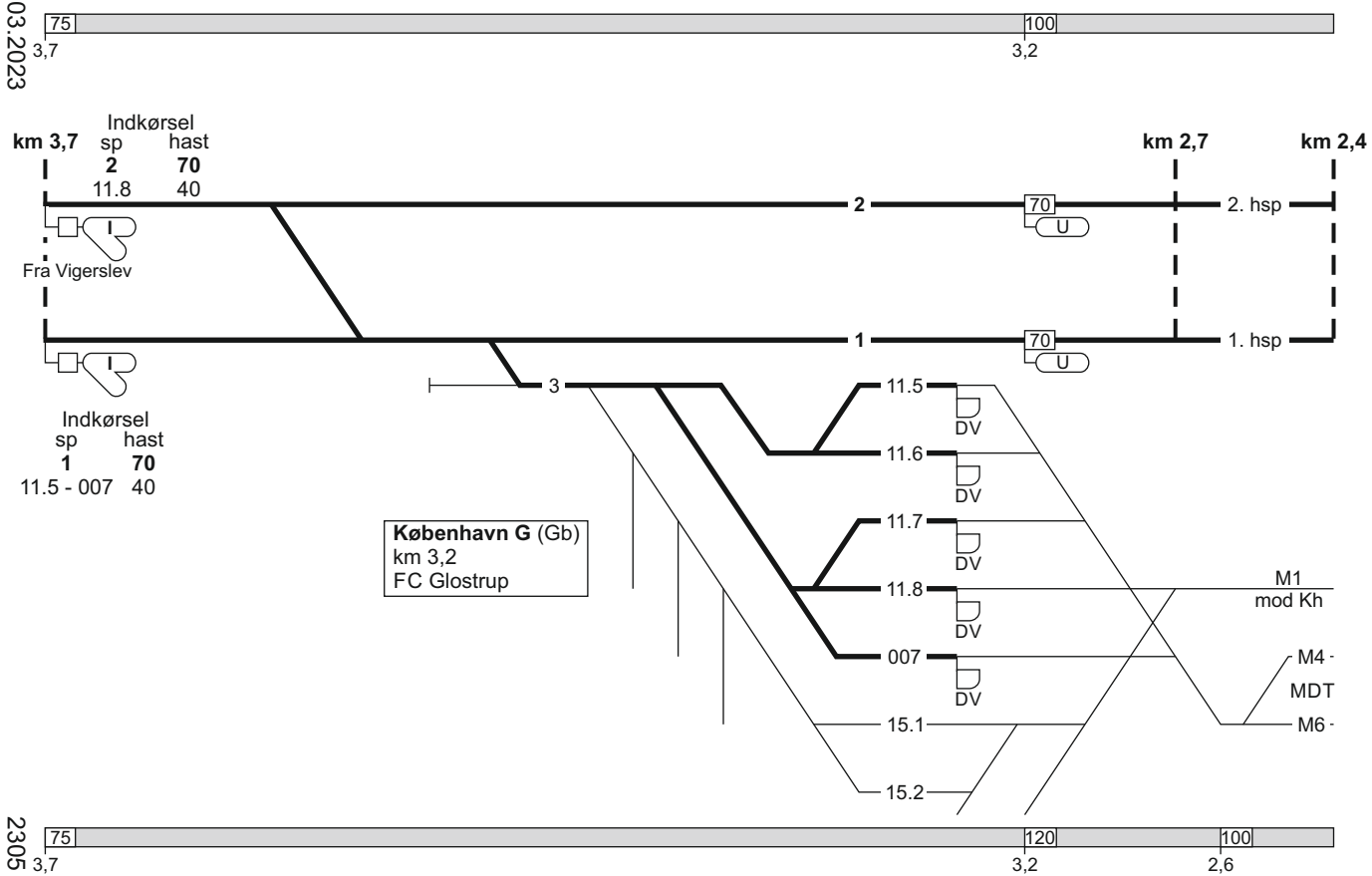


6. Ringsted - (Bjæverskov) og (Avedøre Havnevej) - Vigerslev - København H



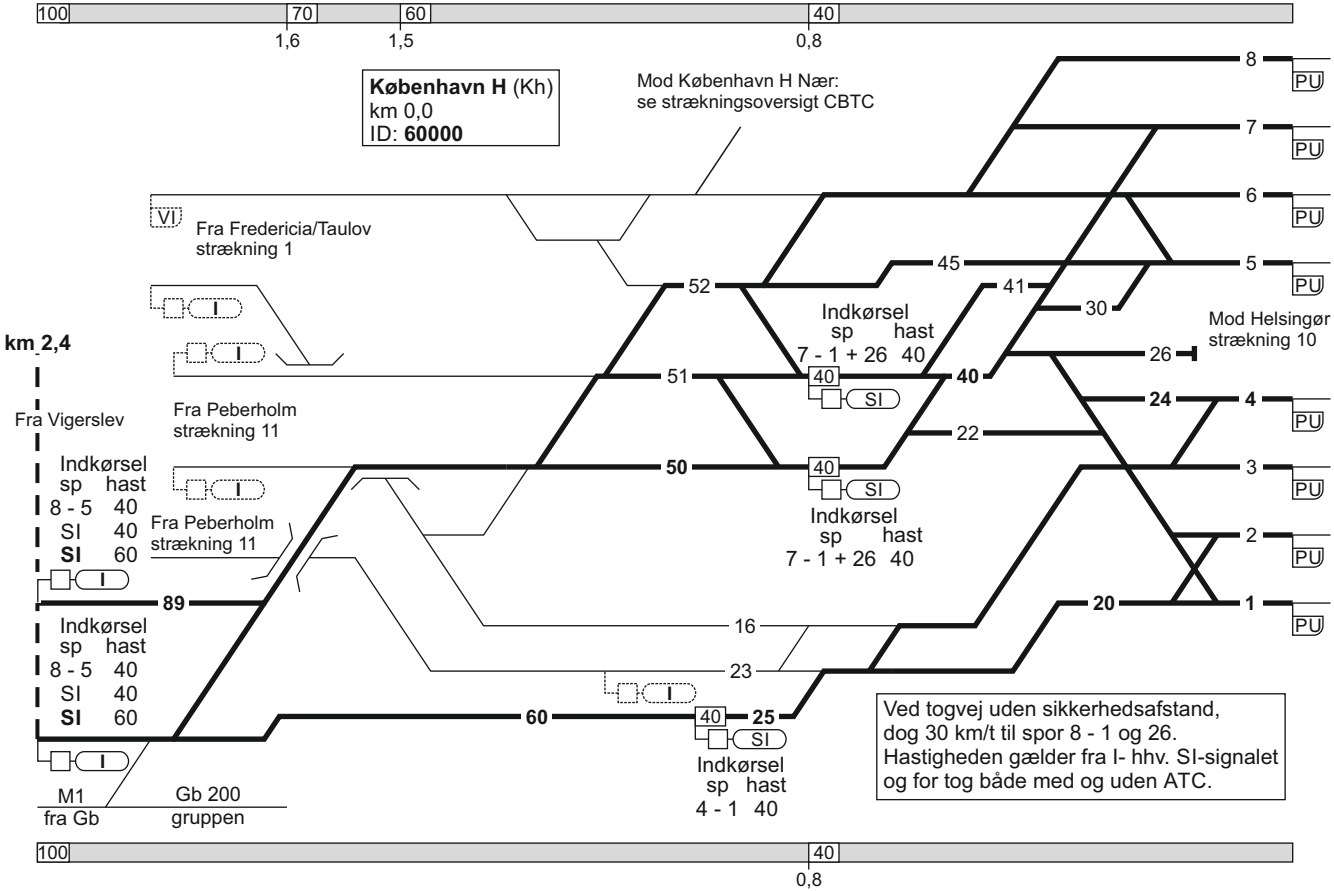
25.03.2023

6. Ringsted - (Bjæverskov) og (Avedøre Havnevej) - Vigerslev - København H



2305

6. Ringsted - (Bjæverskov) og (Avedøre Havnevej) - Vigerslev - København H



6. Ringsted - (Bjæverskov) og (Avedøre Havnevej) - Vigerslev - København H

Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
København H				**Kmp:** 82 34 12 14 eller 82 42 26 12 GSM-R: 81 99 12 00 **FC Glostrup:** Kh (ekskl.) - Ig 82 34 18 80 GSM-R: 81 99 12 01
København G				GSM-R: 81 99 12 07

Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Ringsted				**FC Roskilde Midt:** 46 32 49 80 eller 82 42 43 11 GSM-R: 81 99 12 09

7. (Svanemøllen) - Østerport

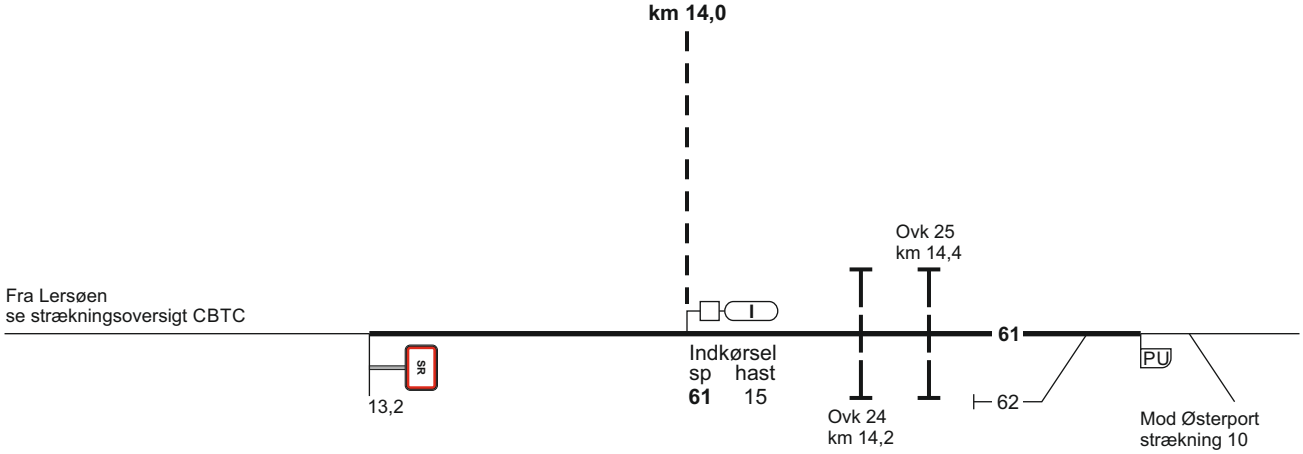
Strækningshastighed:

Delstrækning	Strækningshastighed (km/t)
(Svanemøllen) - Østerport	40

7. (Svanemøllen) - Østerport

FC Kh
tlf: 82 34 42 74
linjeblok
stigning L

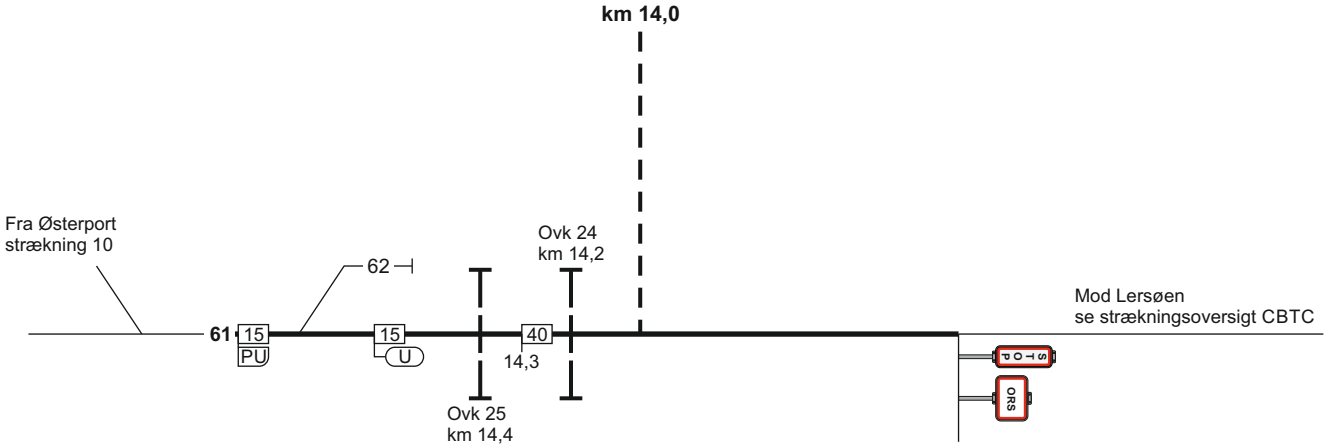
Østerport (Kk)
km 16,0
overgangsstation
FC Kh
tlf: 82 34 42 74
ID: **66000**



7. Østerport - (Svanemøllen)

Østerport (Kk)
km 16,0
overgangsstation
FC Kh
tlf: 82 34 42 74
ID: **66000**

FC Kh
tlf: 82 34 42 74
linjeblok
stigning E



7. (Svanemøllen) - Østerport

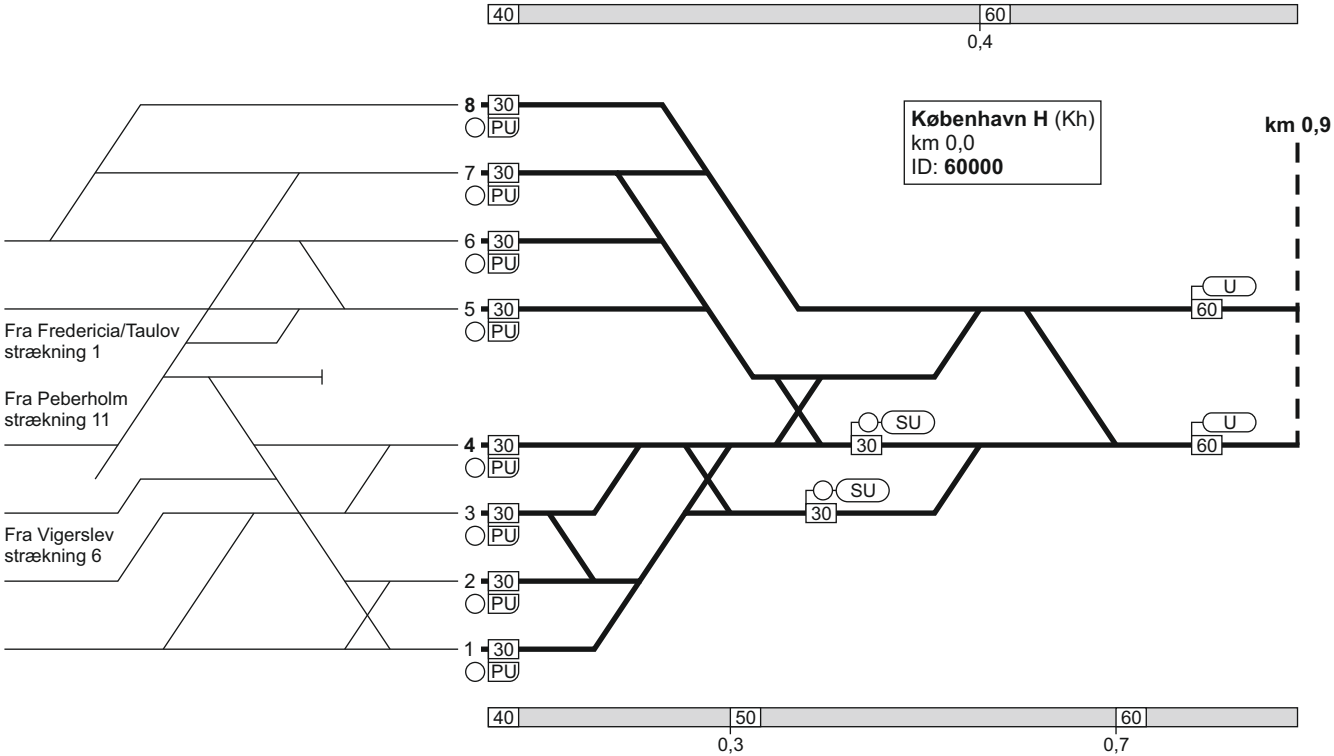
Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5

10. København H - Helsingør

Strækningshastighed:

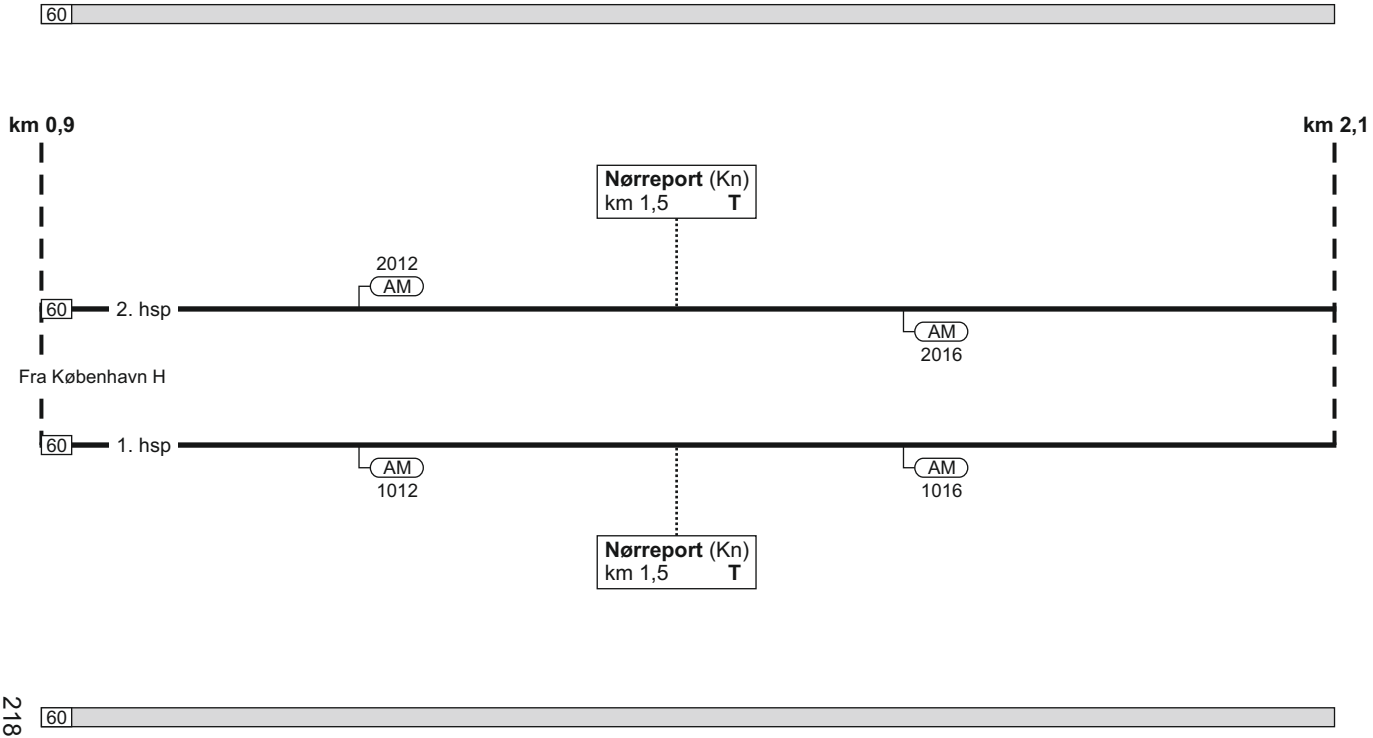
Delstrækning	Strækningshastighed (km/t)
København H - Helsingør	120

10. København H - Helsingør

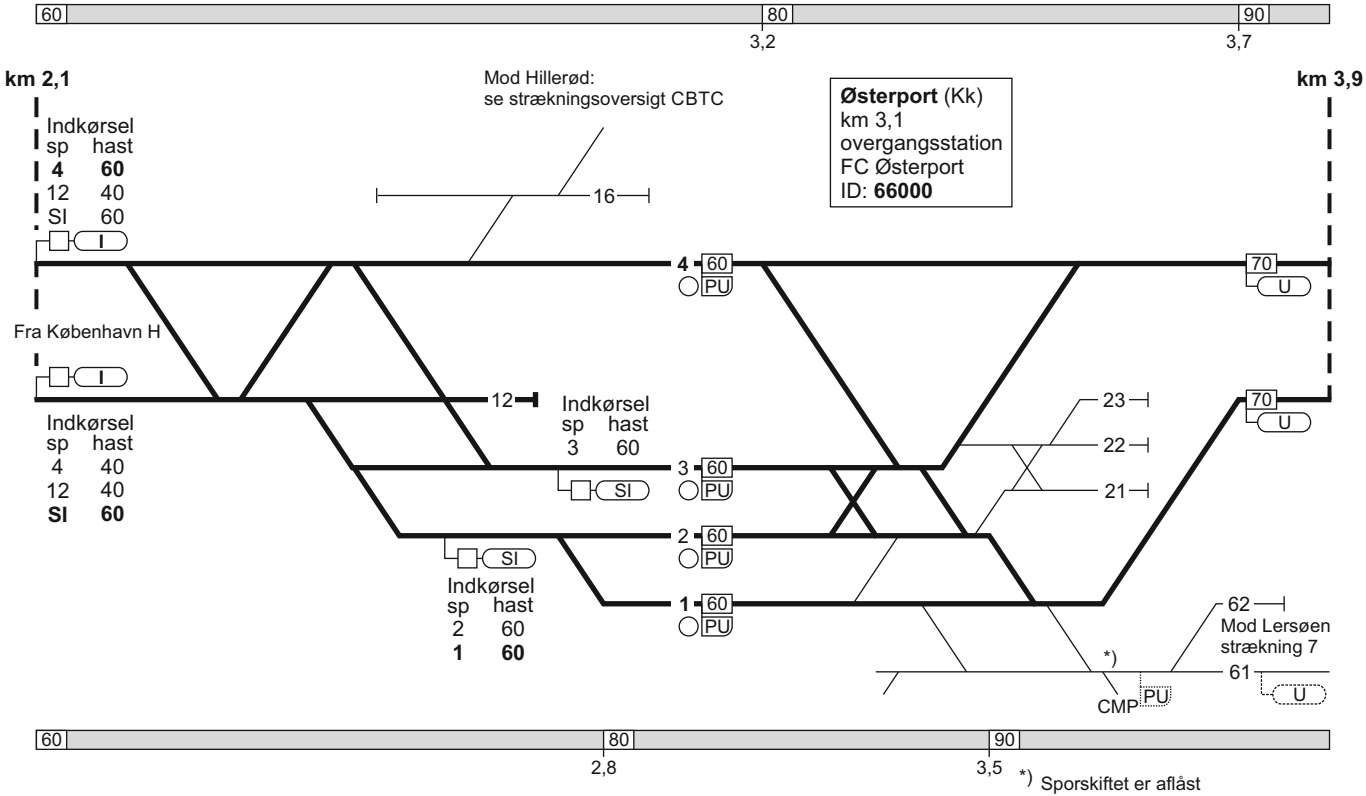


10. København H - Helsingør

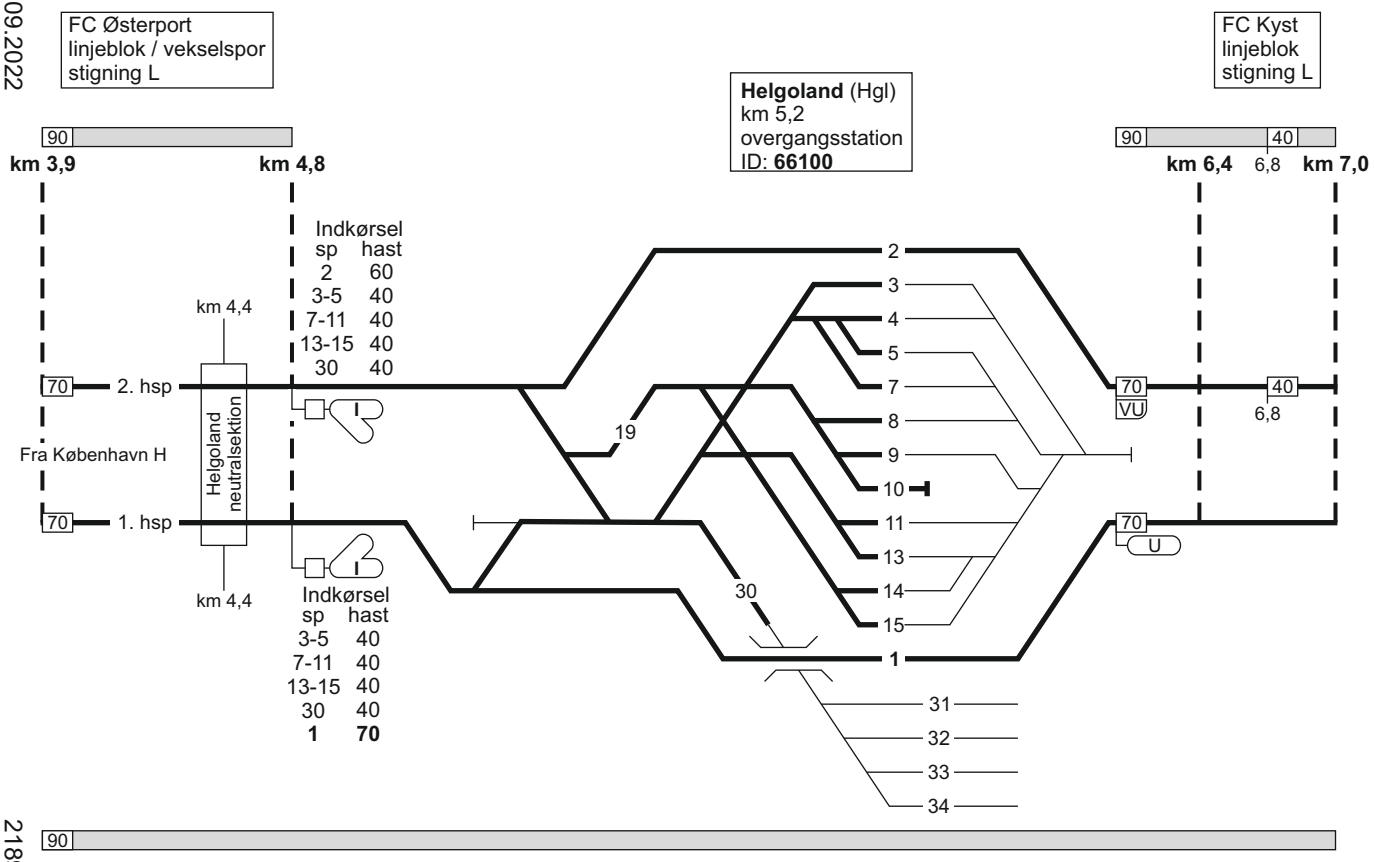
FC Østerport
linjeblok / vekselspor
stigning L



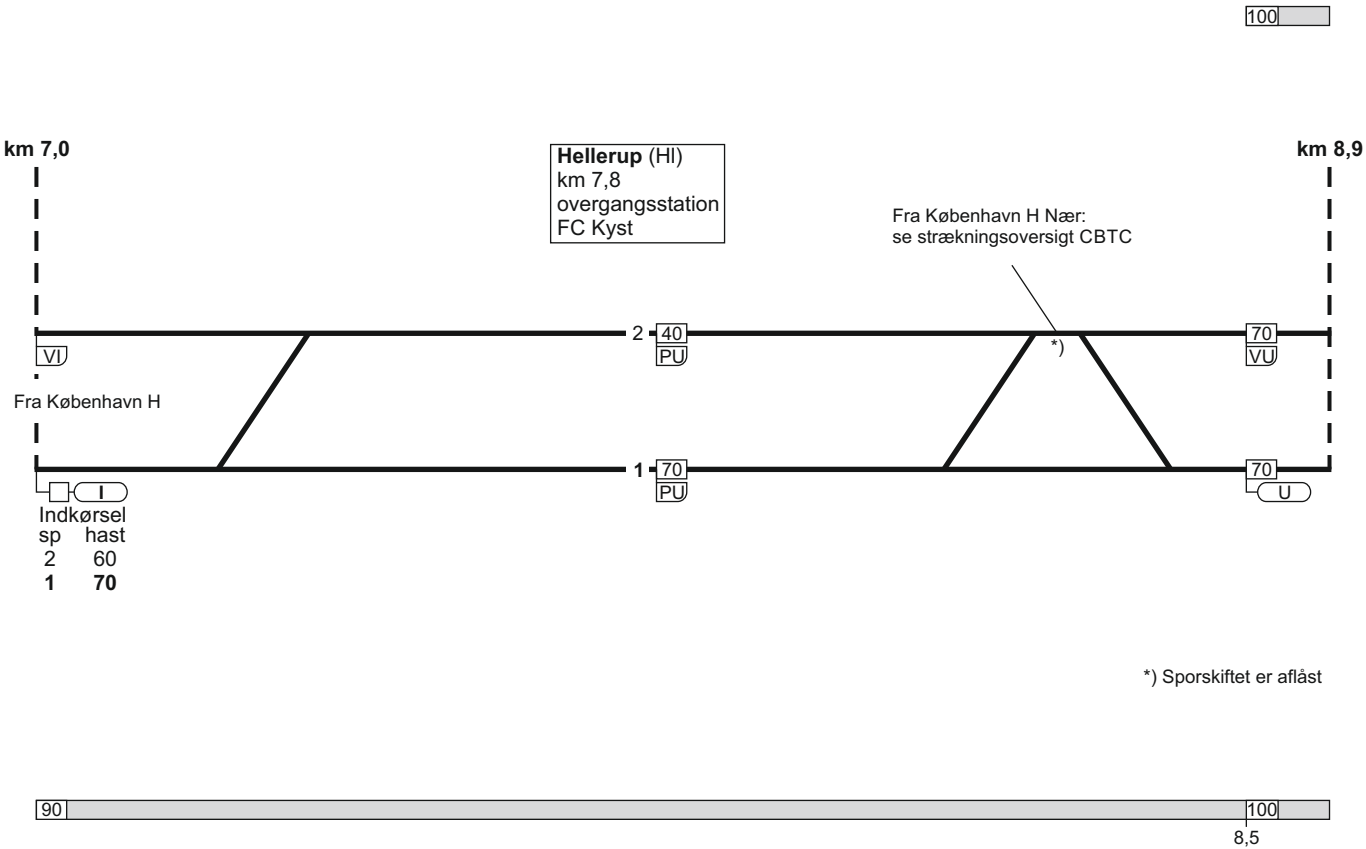
10. København H - Helsingør



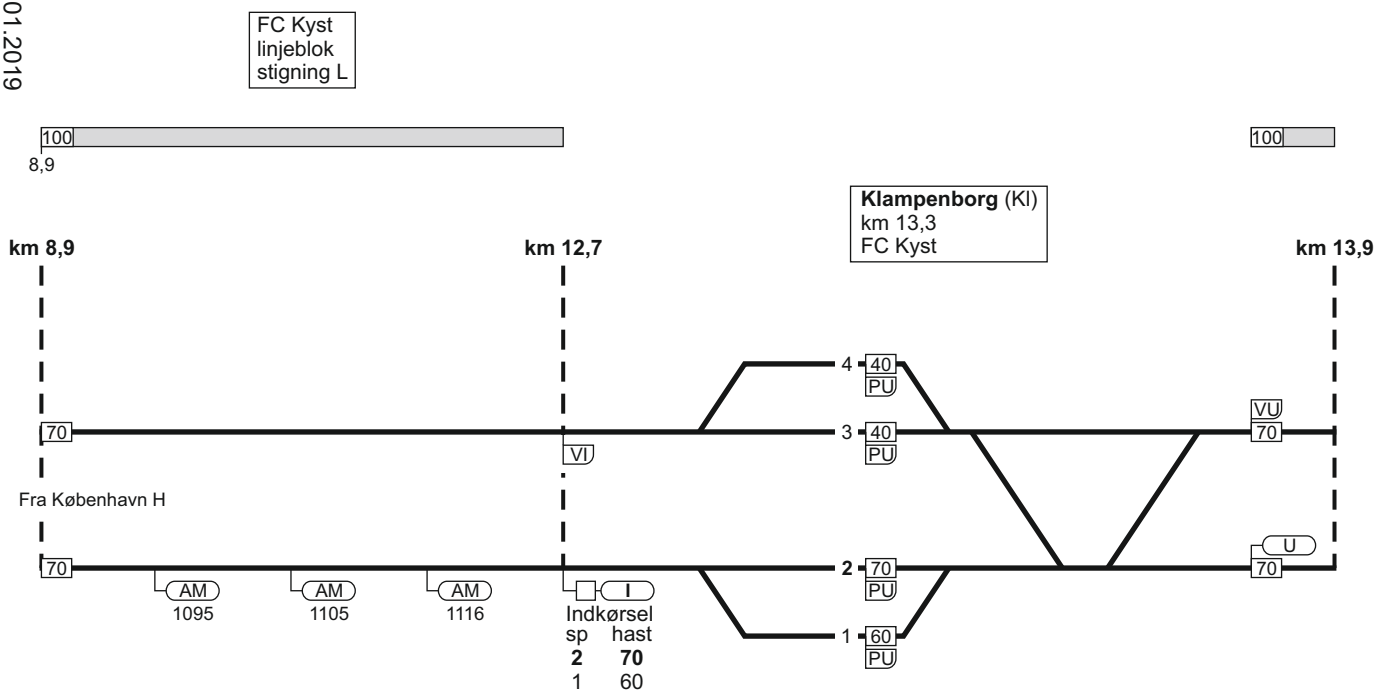
10. København H - Helsingør



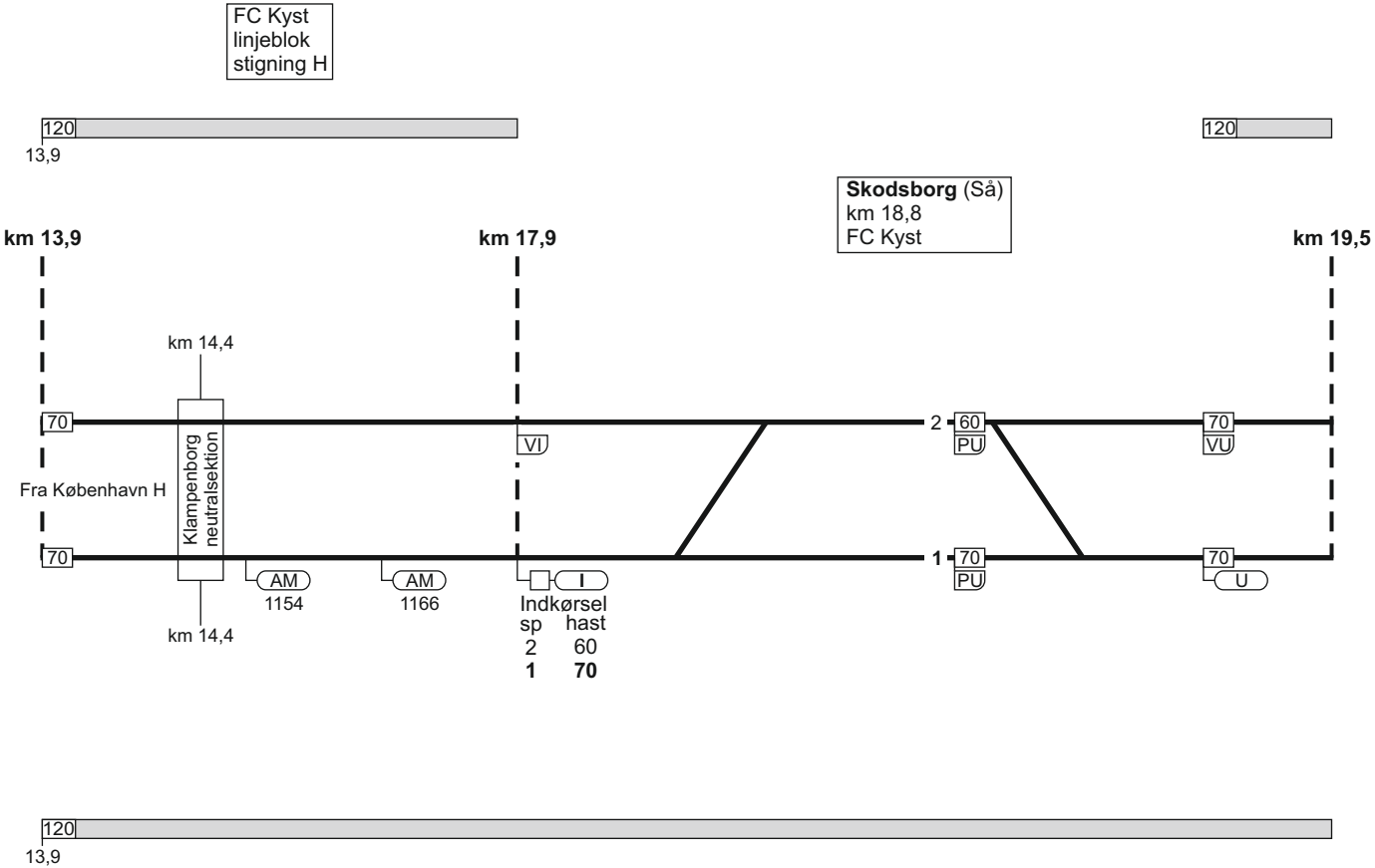
10. København H - Helsingør



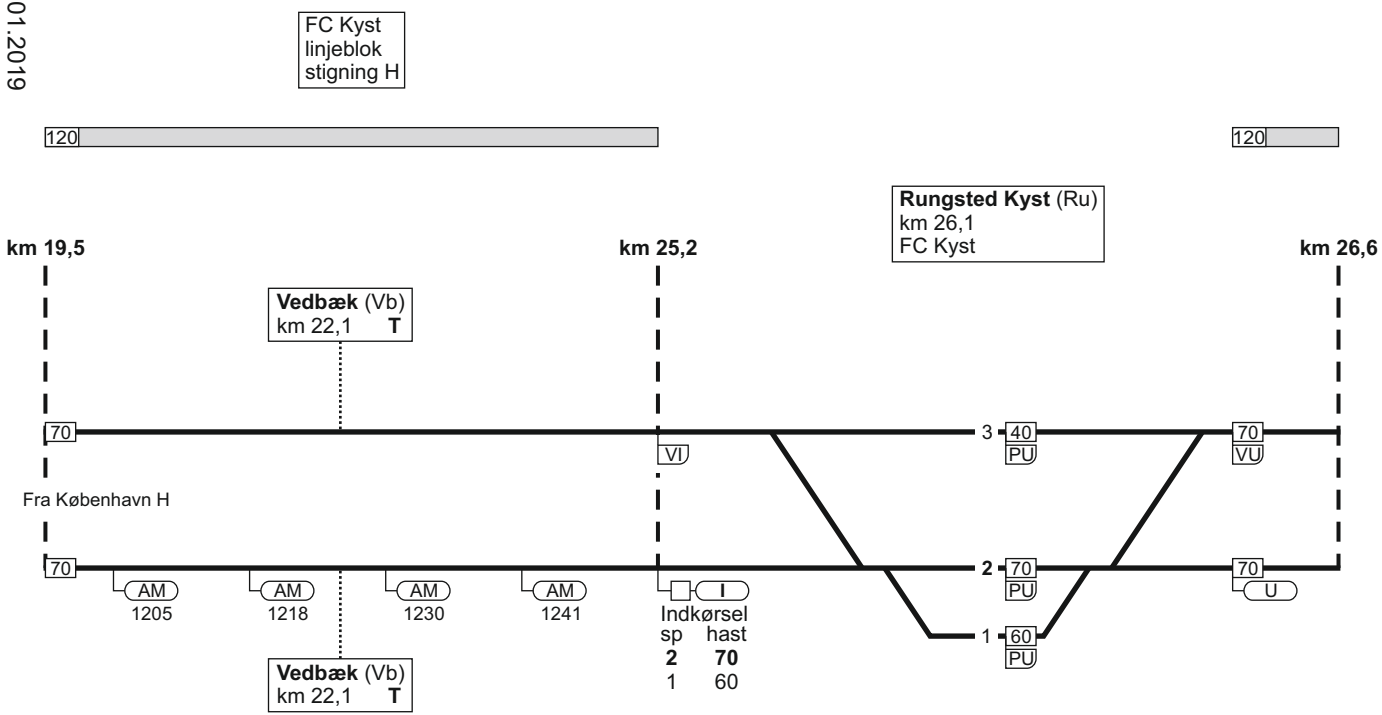
10. København H - Helsingør



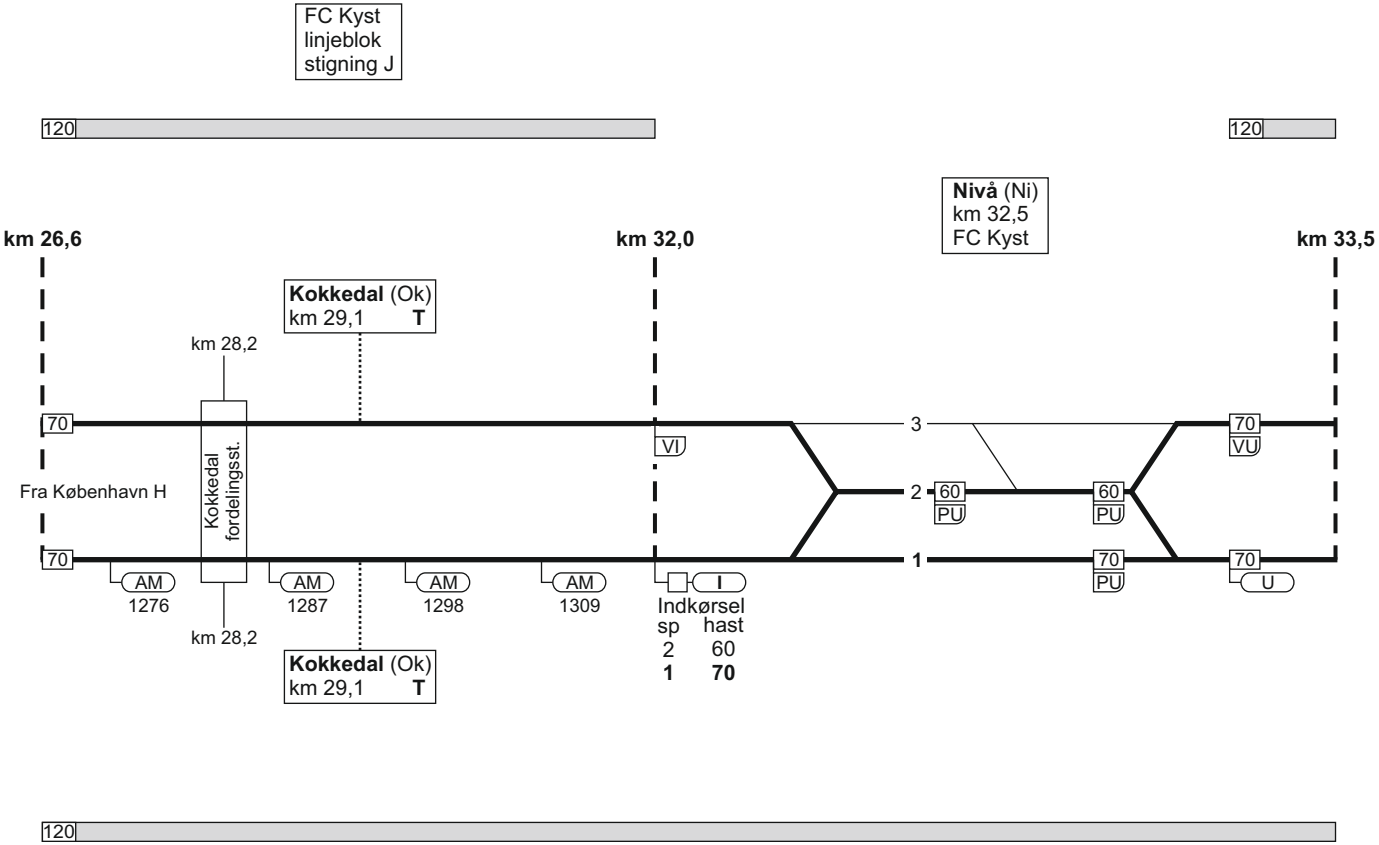
10. København H - Helsingør



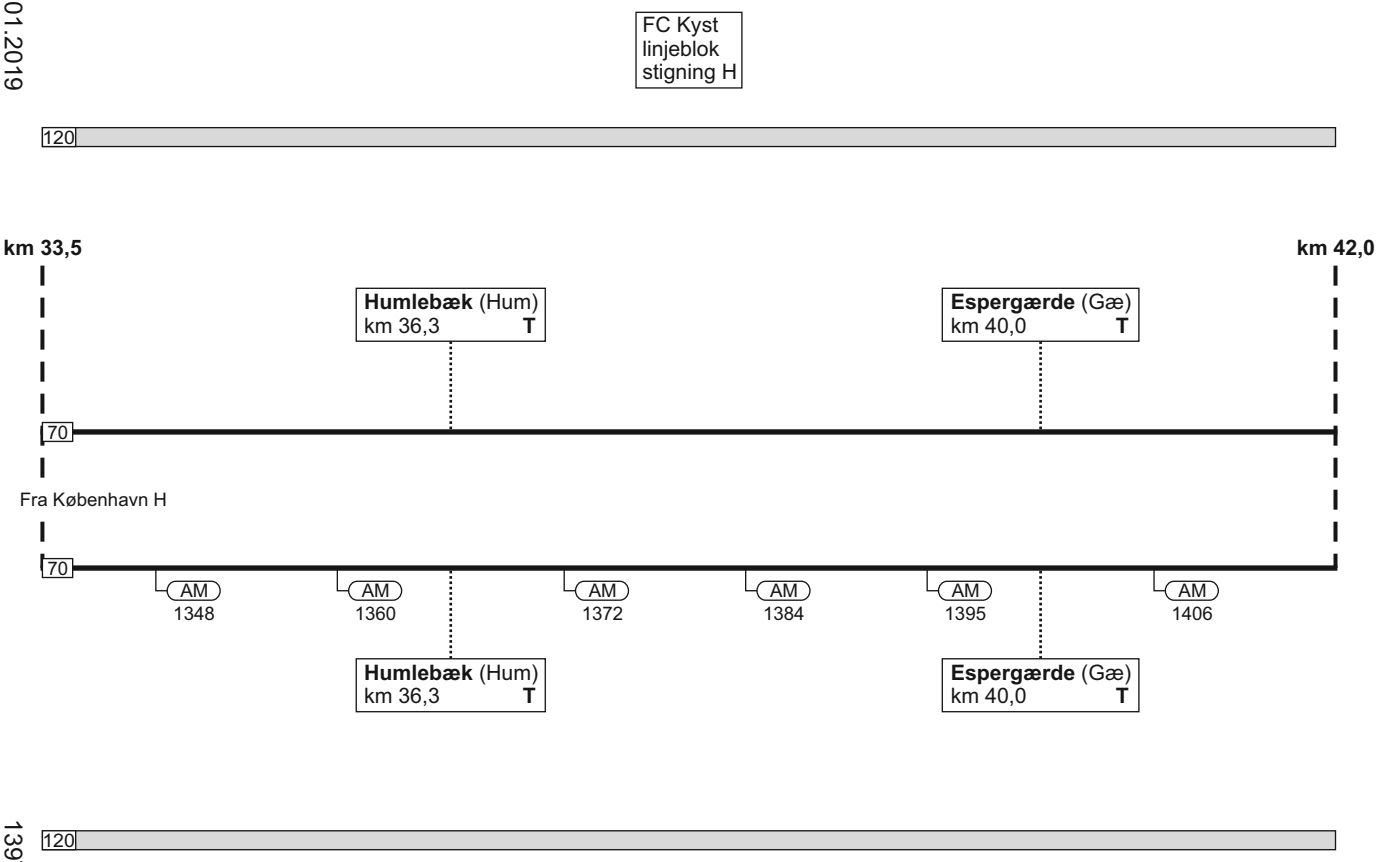
10. København H - Helsingør



10. København H - Helsingør

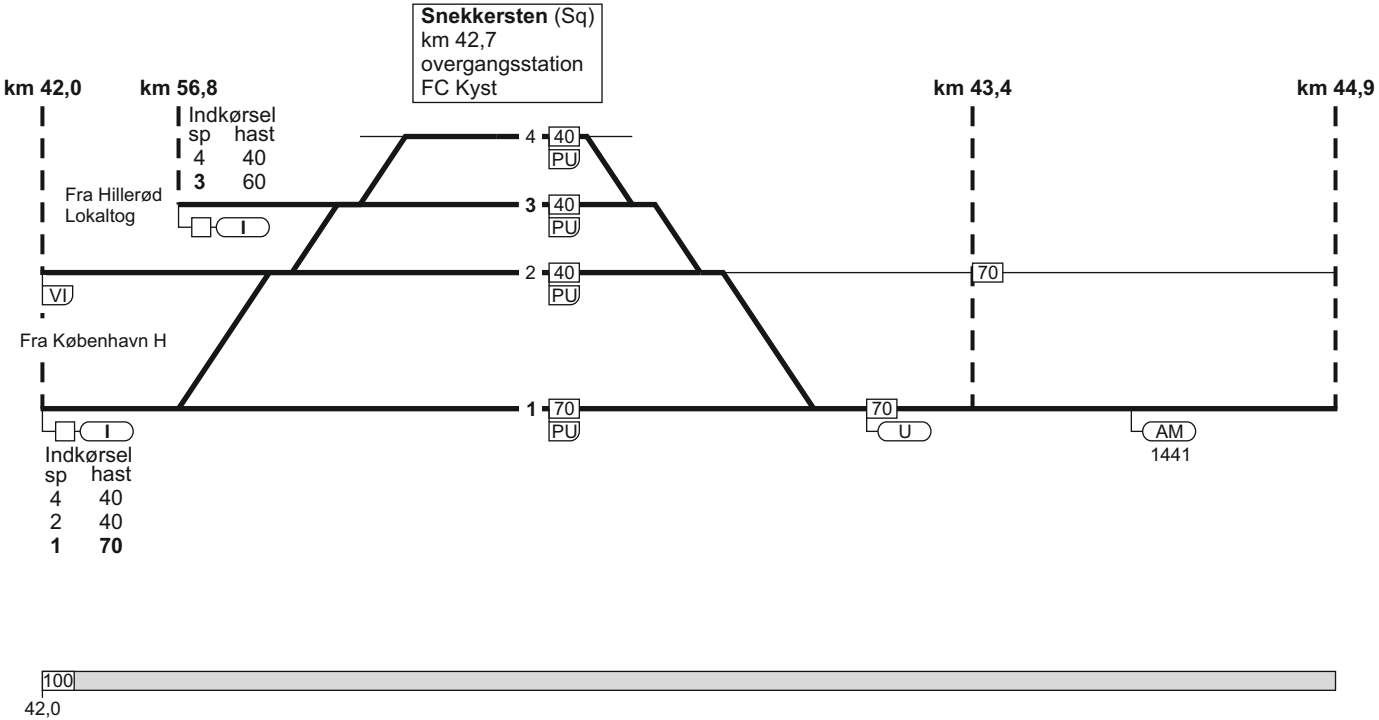


10. København H - Helsingør

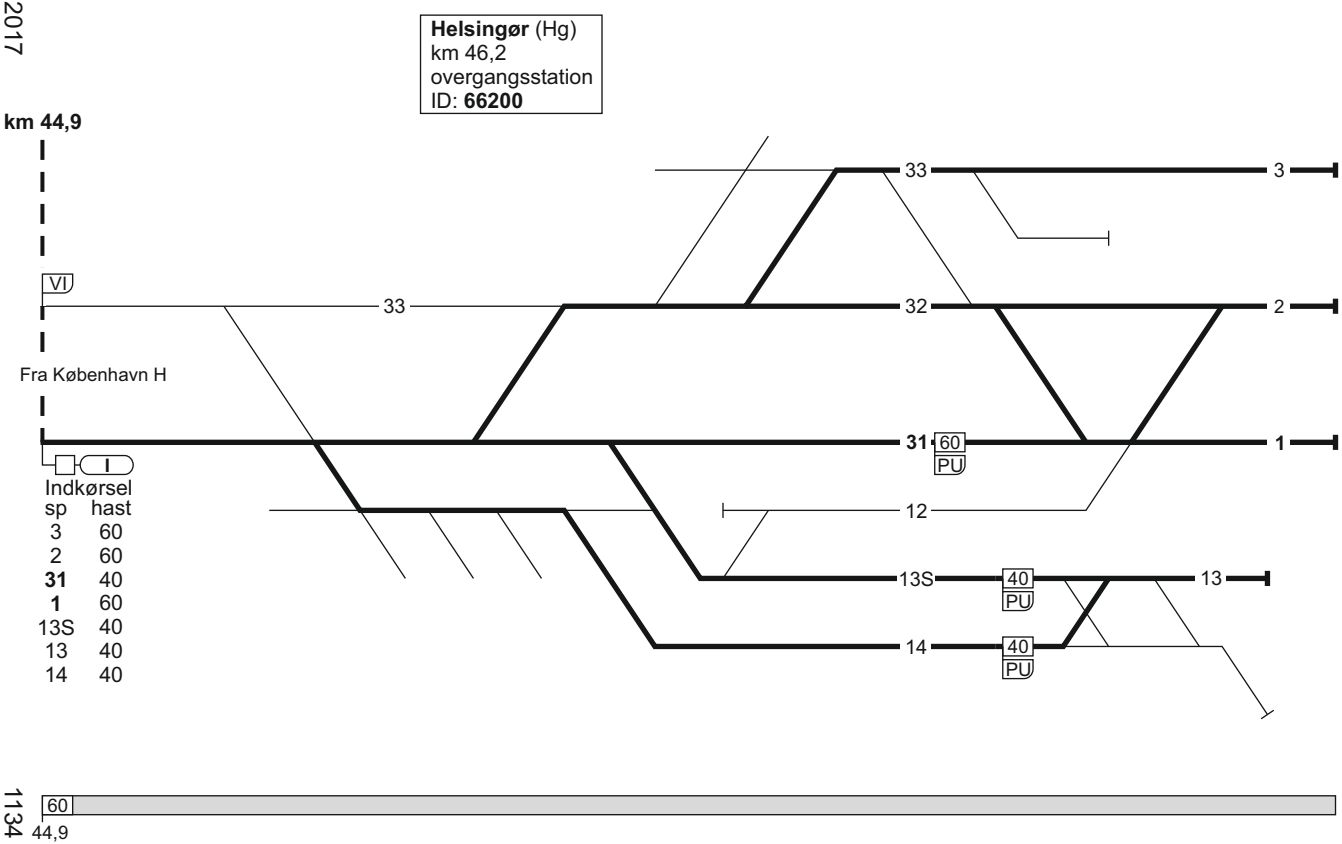


10. København H - Helsingør

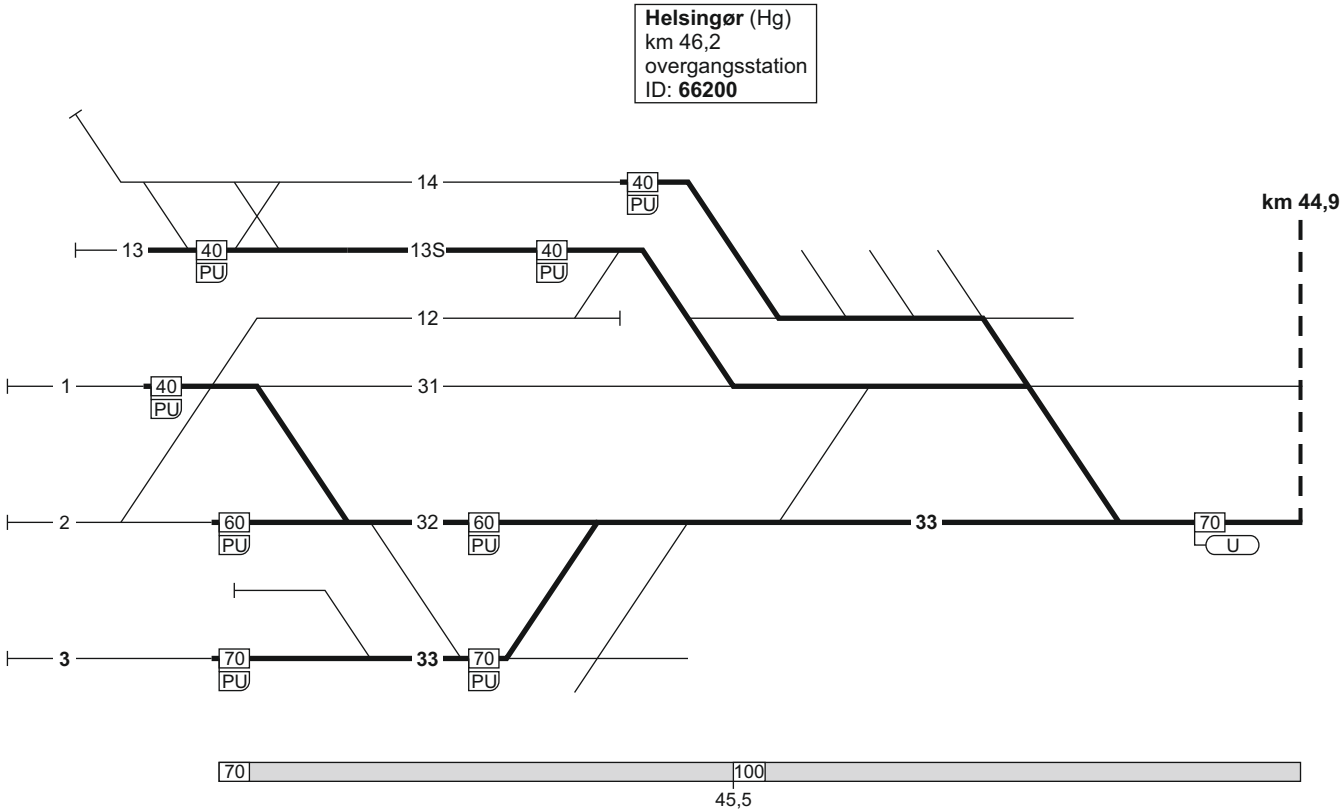
FC Kyst
linjeblok (kun højre spor)
stigning M



10. København H - Helsingør

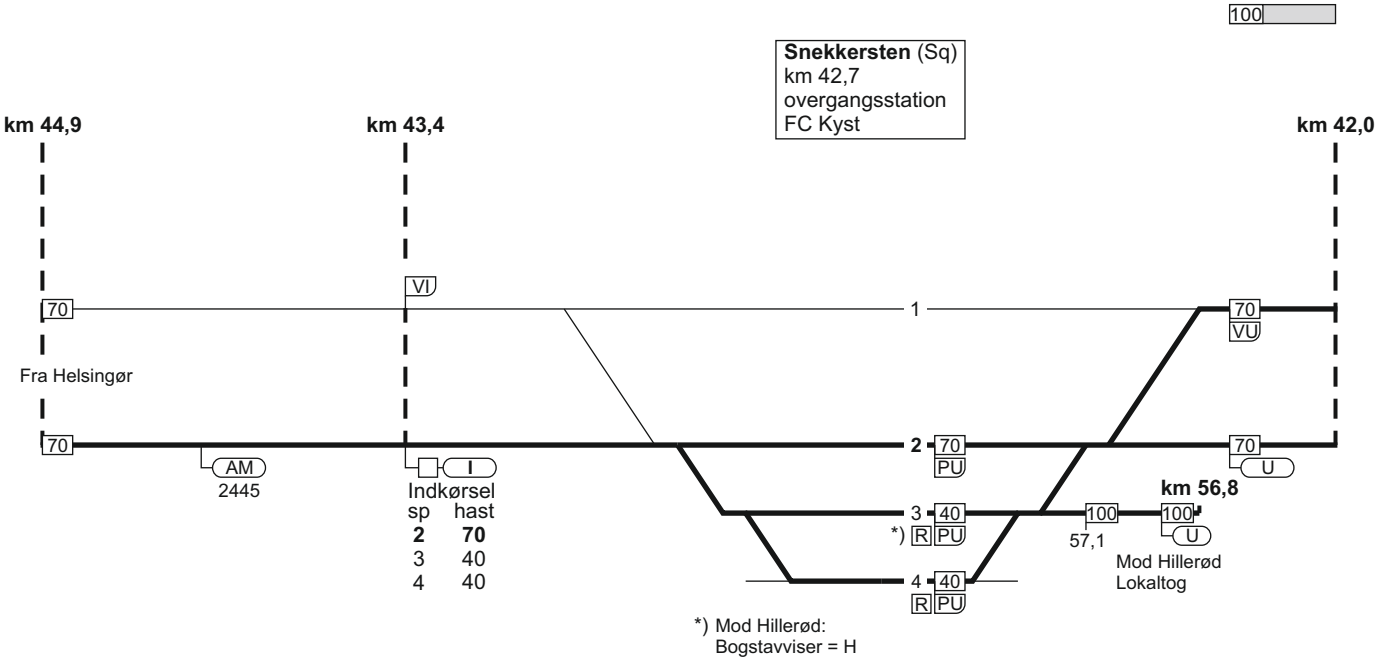


10. Helsingør - København H



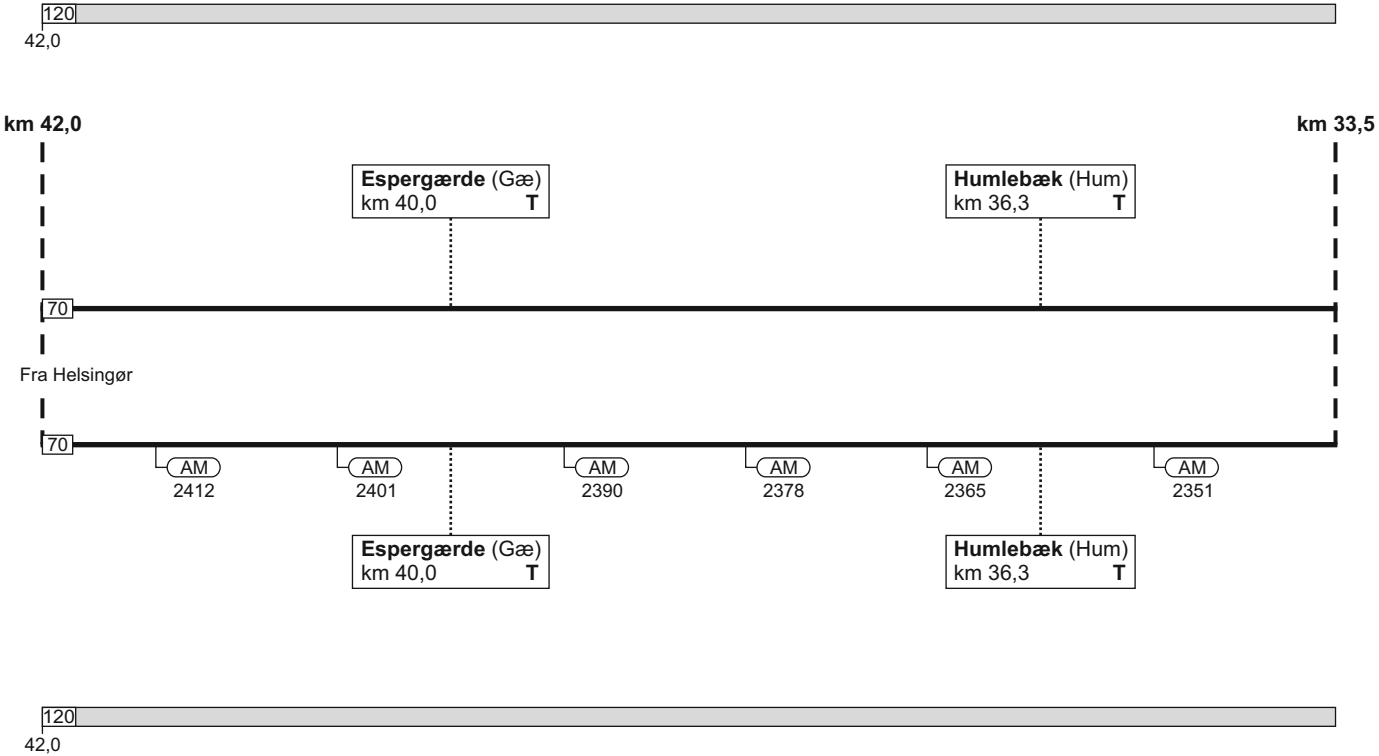
10. Helsingør - København H

FC Kyst
linjeblok (kun højre spor)
stigning H

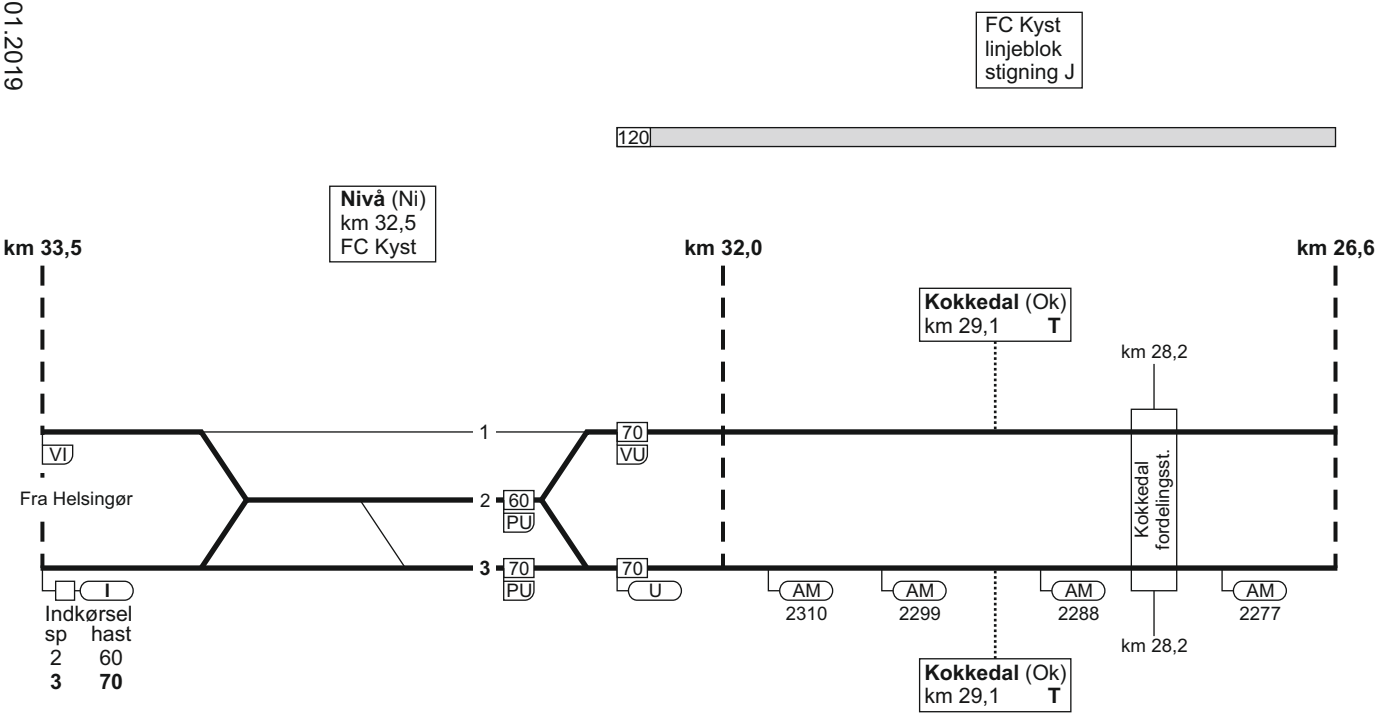


10. Helsingør - København H

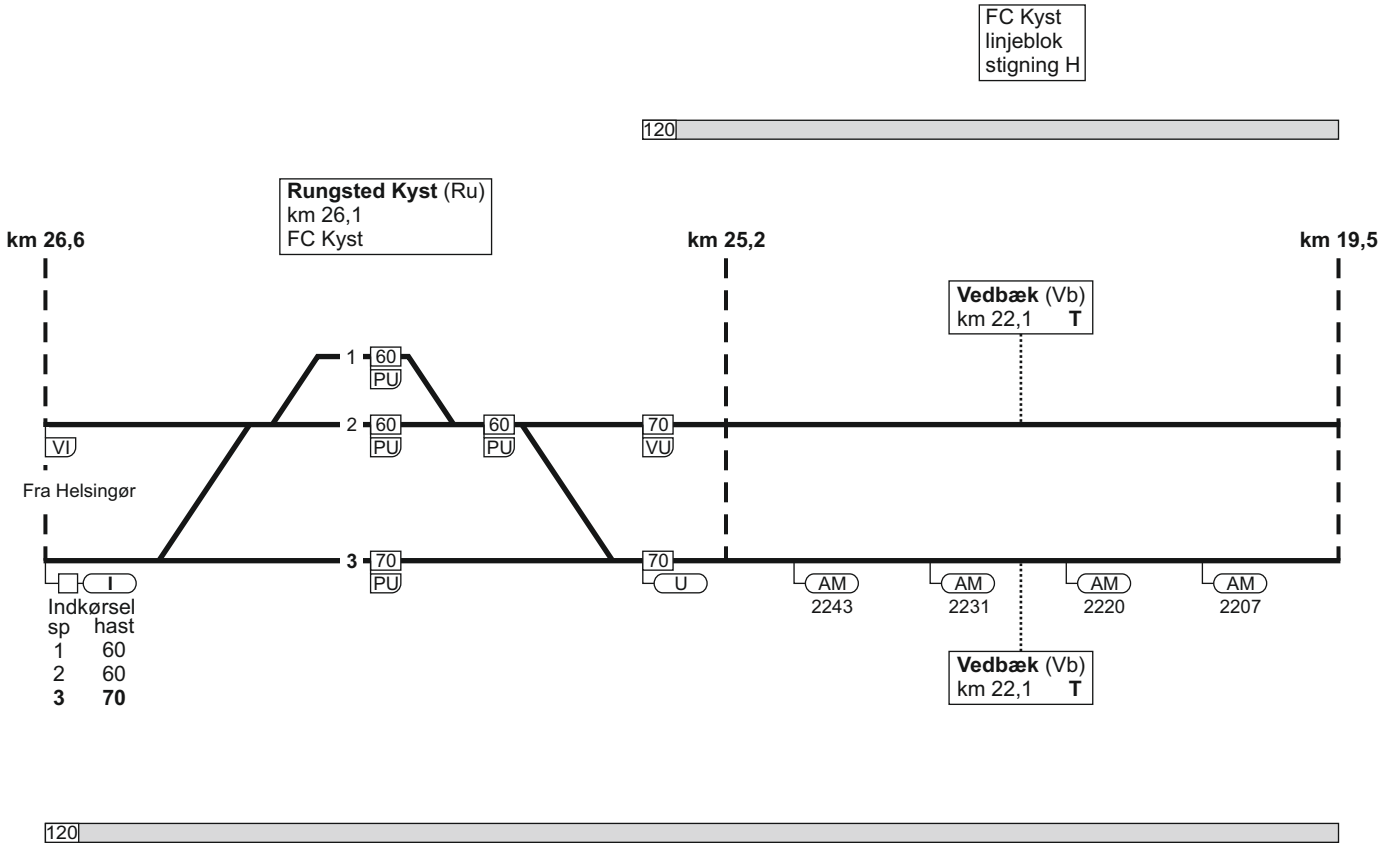
FC Kyst
linjeblok
stigning J



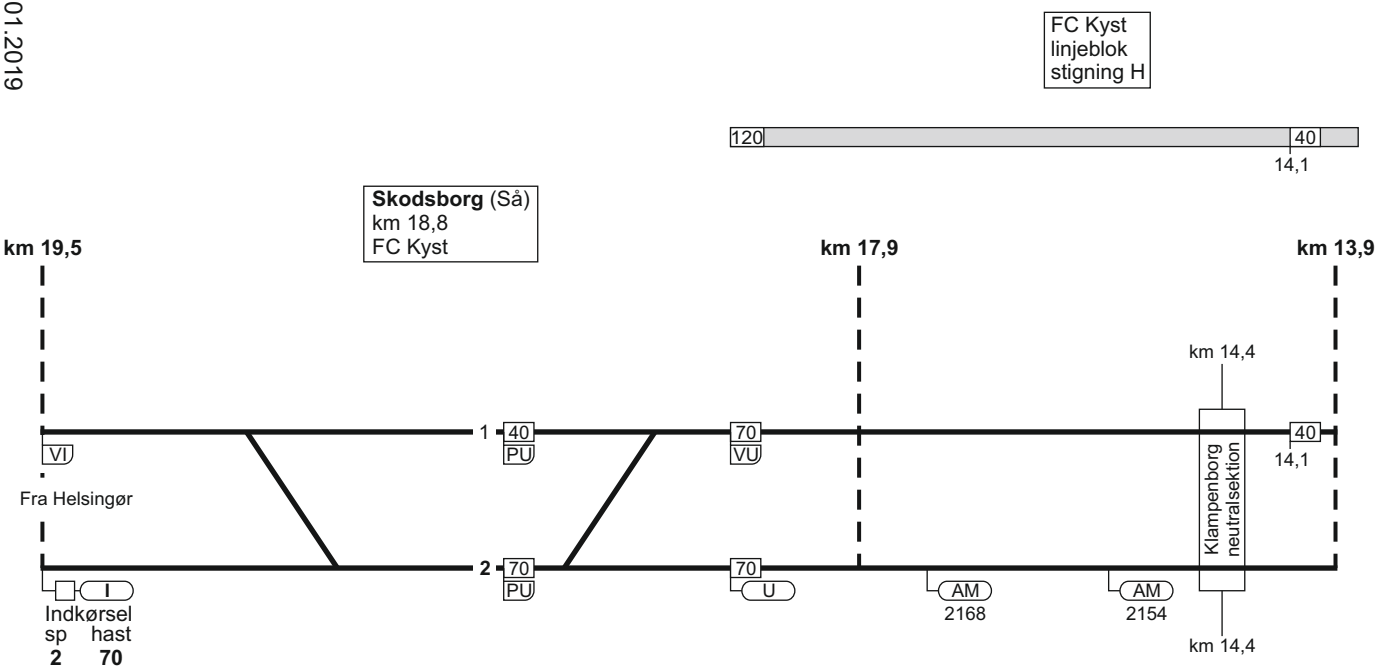
10. Helsingør - København H



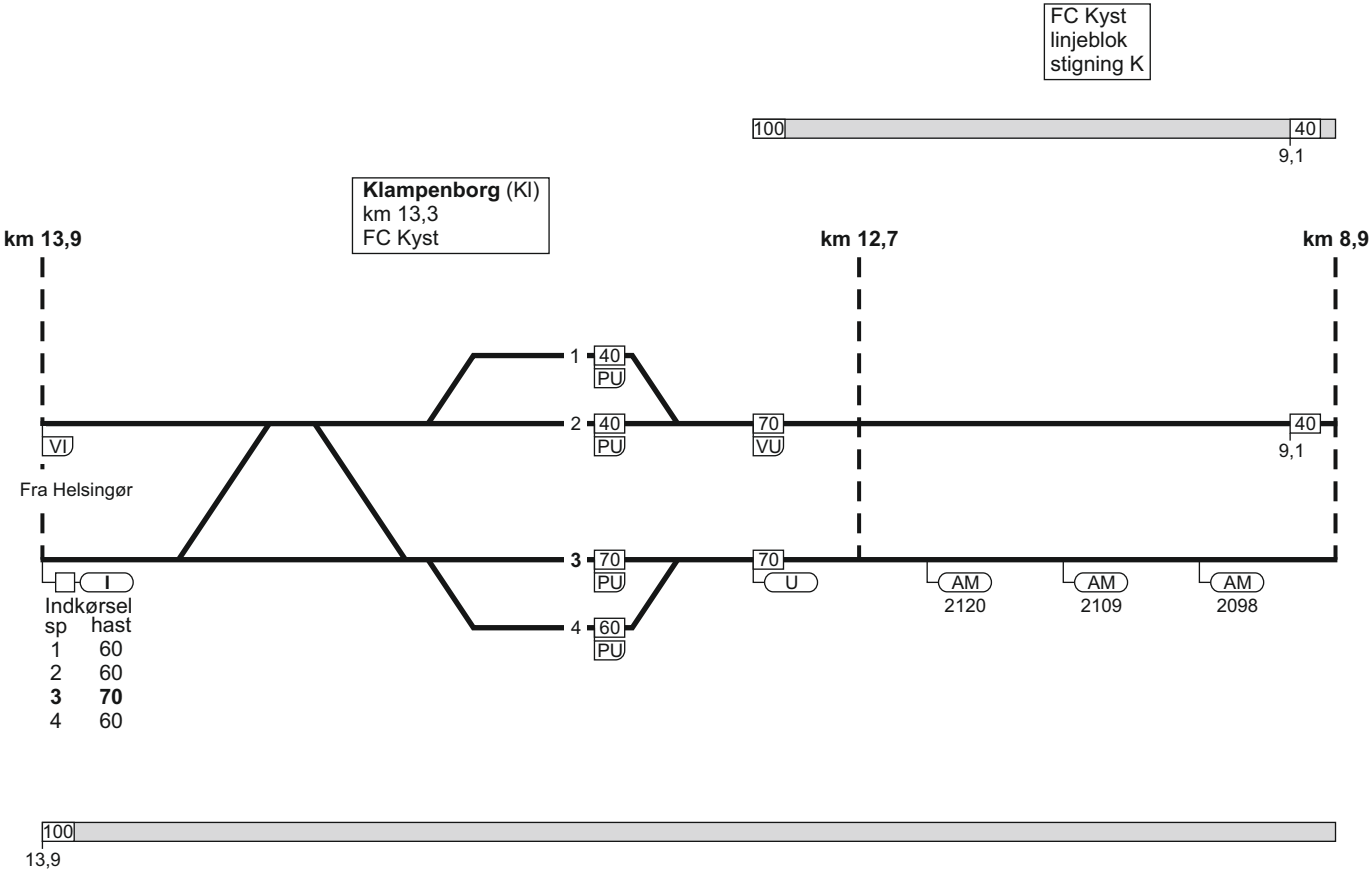
10. Helsingør - København H



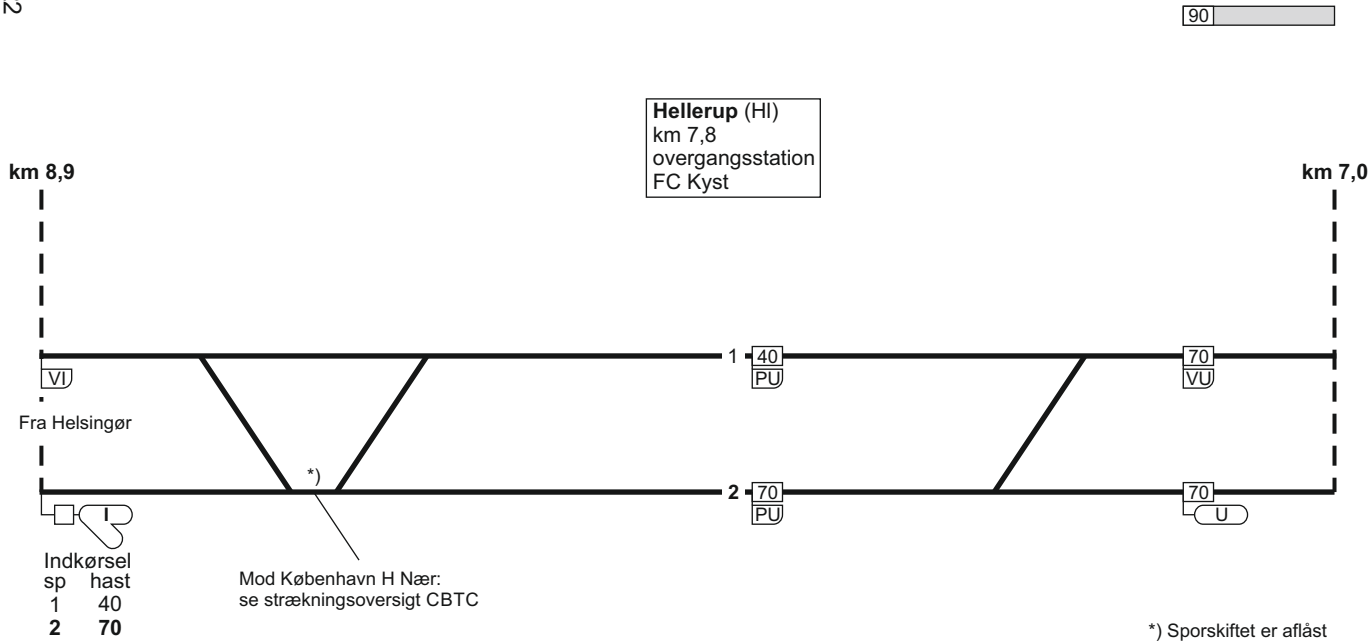
10. Helsingør - København H



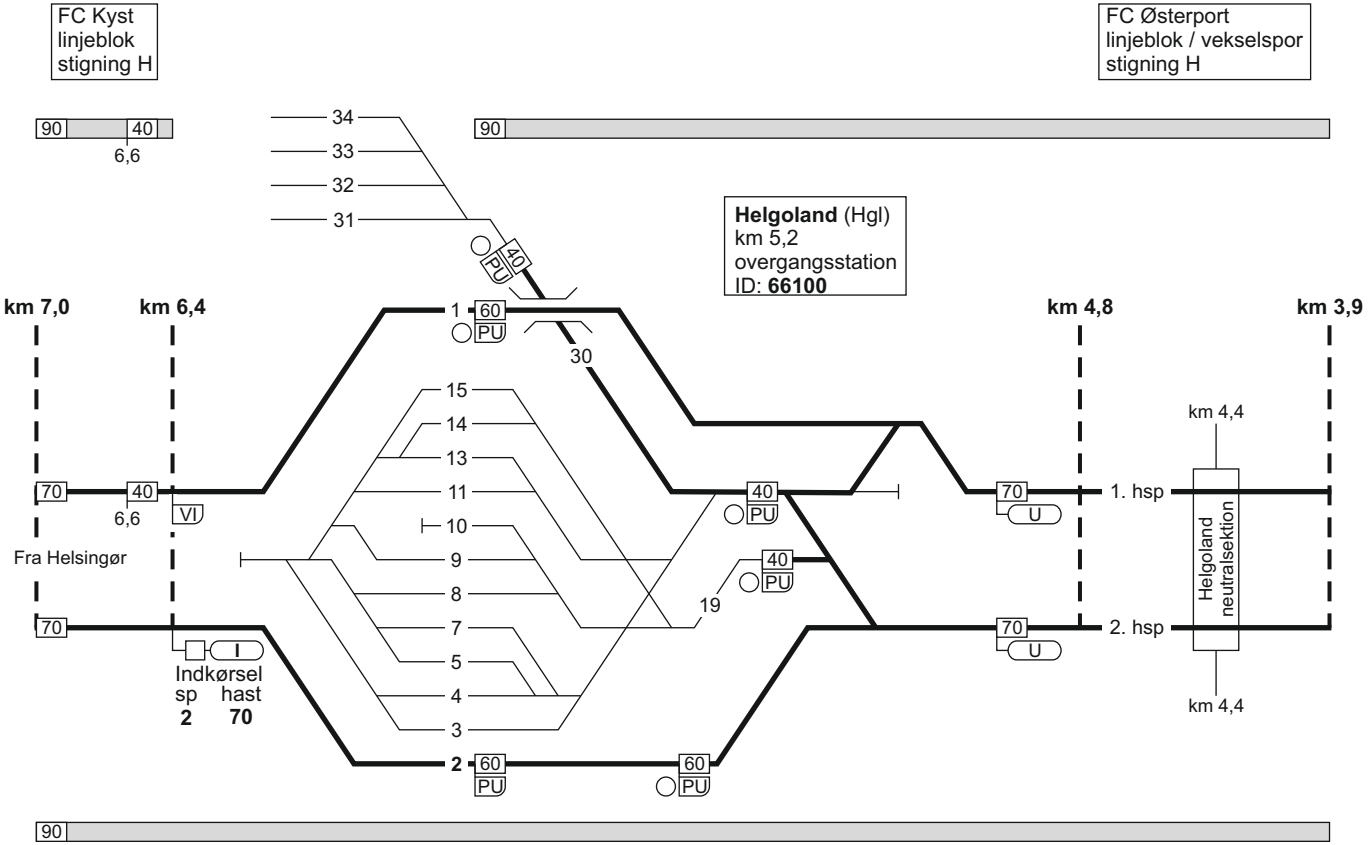
10. Helsingør - København H



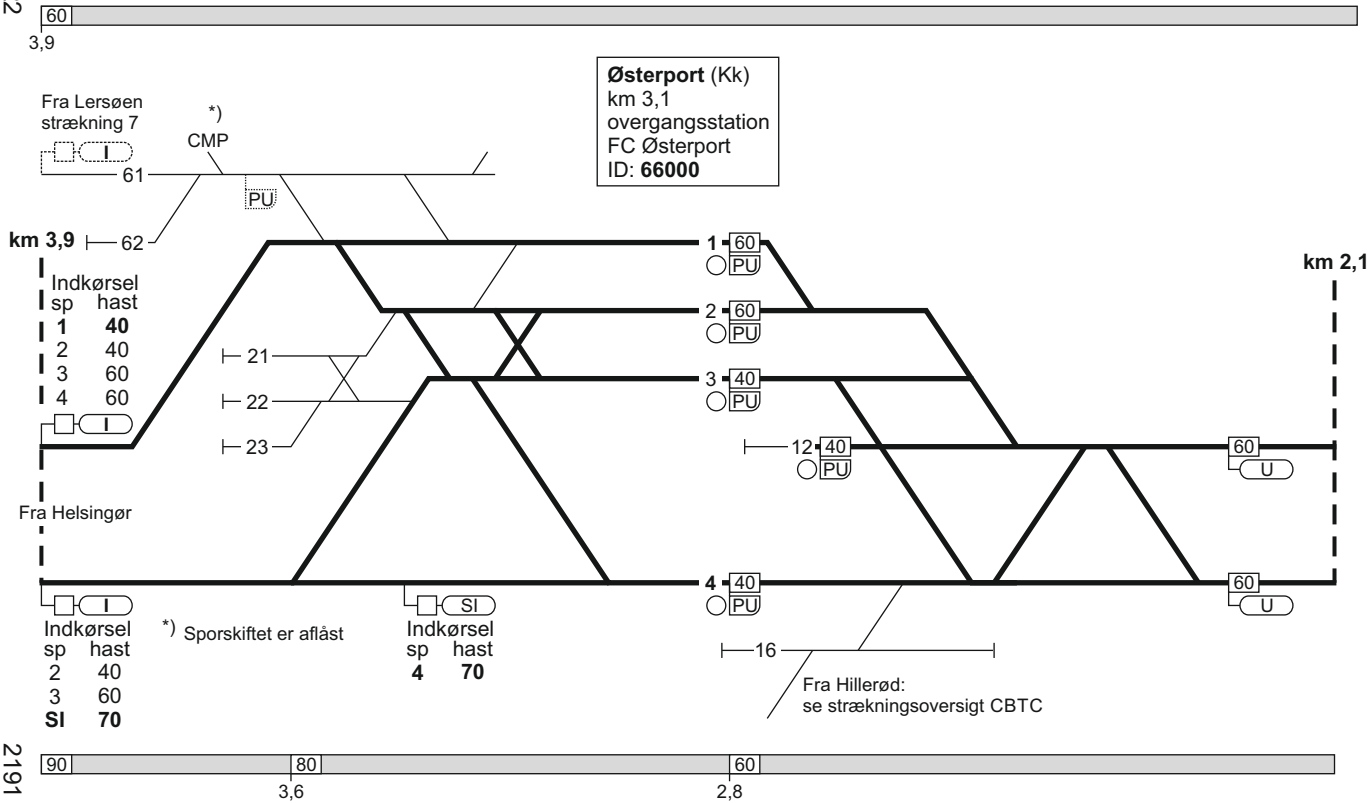
10. Helsingør - København H



10. Helsingør - København H

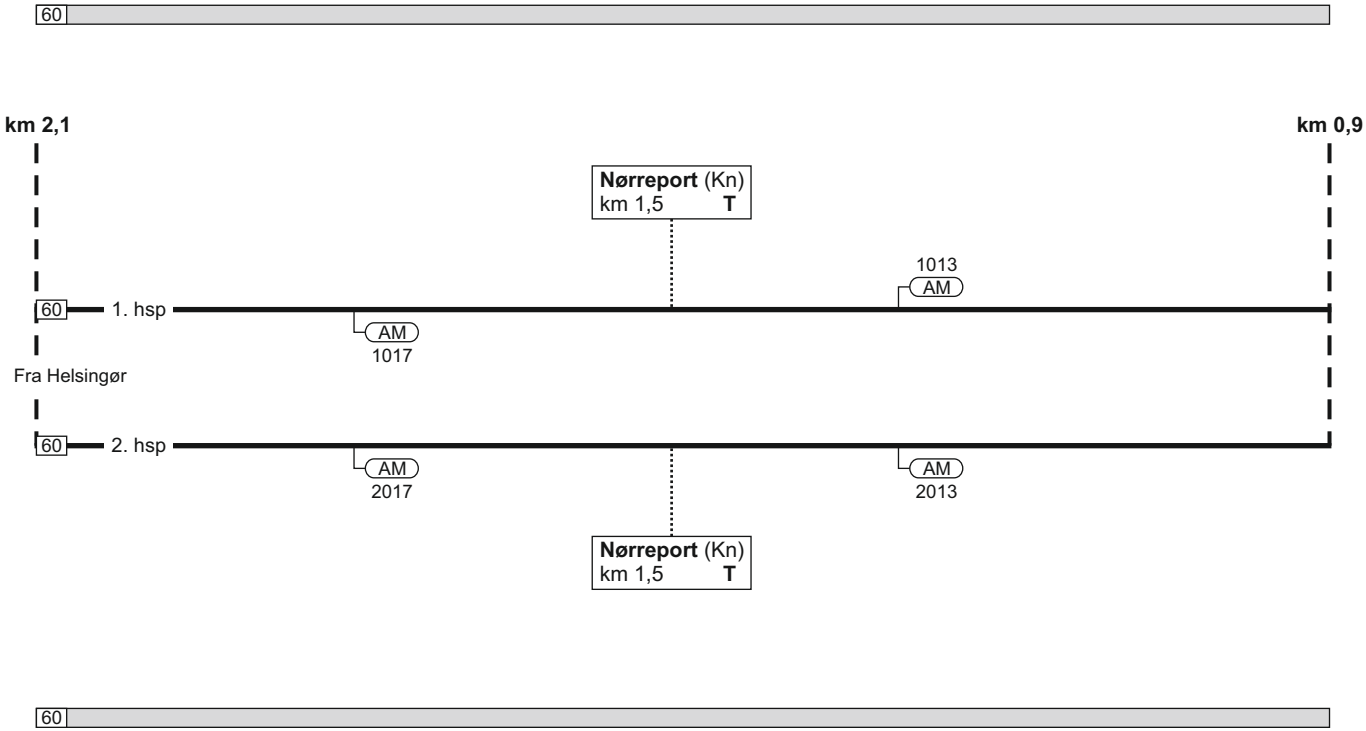


10. Helsingør - København H

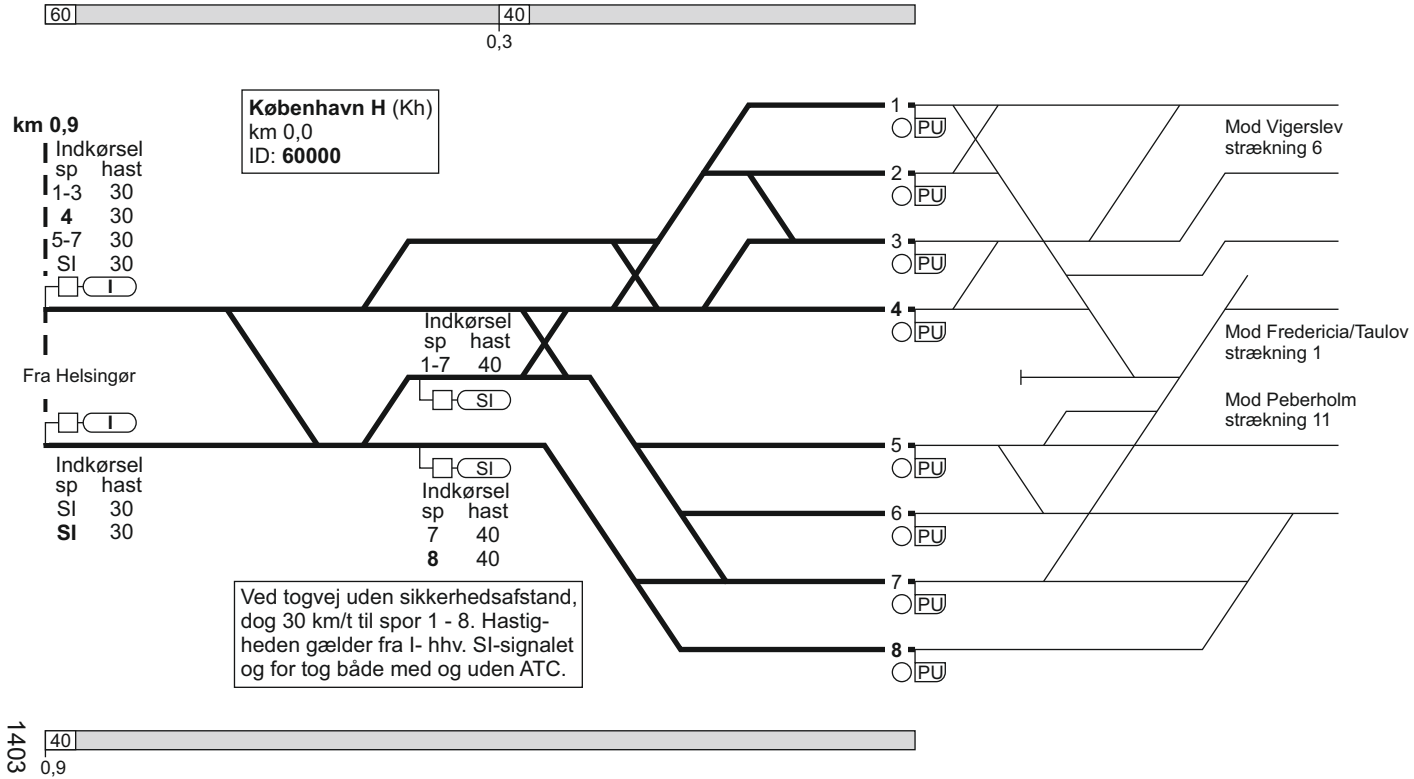


10. Helsingør - København H

FC Østerport
linjeblok / vekselspor
stigning L



10. Helsingør - København H



10. København H - Helsingør

Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
København H			Passagertog der ankommer på hverdage i tidsrummet kl. 02.00 - 04.30 og på søndage i tidsrummet kl. 02.00 - 05.30, skal, hvis toglængden er over 200 meter, standse ud for ”S-mærket” (SR-mærke 17.18.). Øvrige passagertog, der ankommer i samme tidsrum skal standse ud for deres respektive standsningsmærker (SR-mærke 17.20.).	**Kmp:** 82 34 12 14 eller 82 34 26 12 GSM-R: 81 99 12 00 **FC Østerport:** Kh (ekskl.) - Hgl (ekskl.) 82 34 42 74 GSM-R: 81 99 12 60 **FC Kyst:** Hgl (ekskl.) - Hg (ekskl.) 82 34 42 75 GSM-R: 81 99 12 02
Østerport			Ankommende tog i spor 12 bestående af 11 køretøjer skal køre helt frem til mærke ”Stop”. For stammer som udtages på Østerport hhv. fortsætter som materieltog til Helgoland, afgiver tgf. færdigmelding til lkf.	**Kmp:** 82 34 42 74 GSM-R: 81 99 12 60

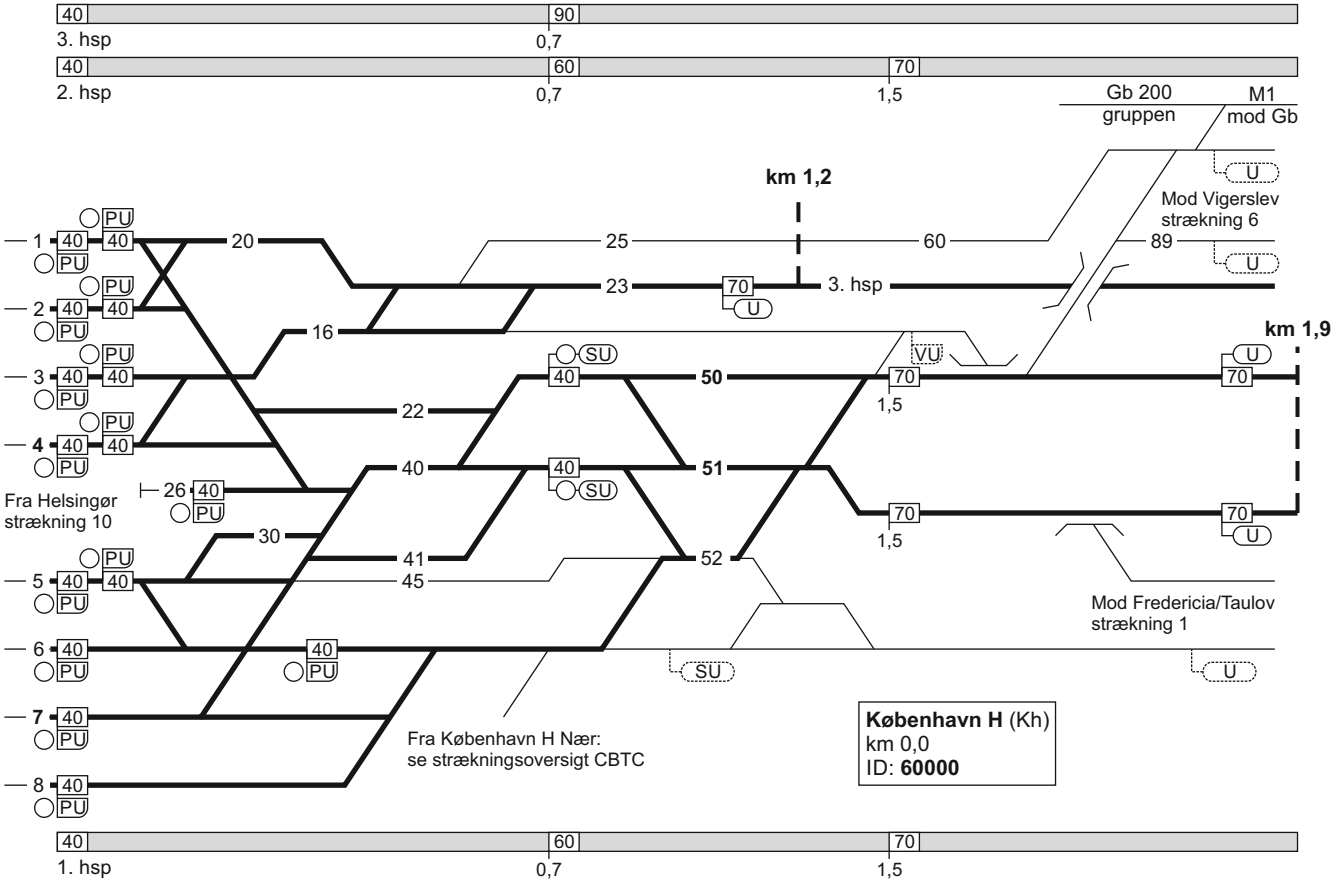
Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Helgoland				**Kmp:** 82 34 24 43 GSM-R: 81 99 12 61
Helsingør				**Kmp:** 82 34 09 11 GSM-R: 81 99 12 62

11. København H / Hvidovre Fjern - Peberholm

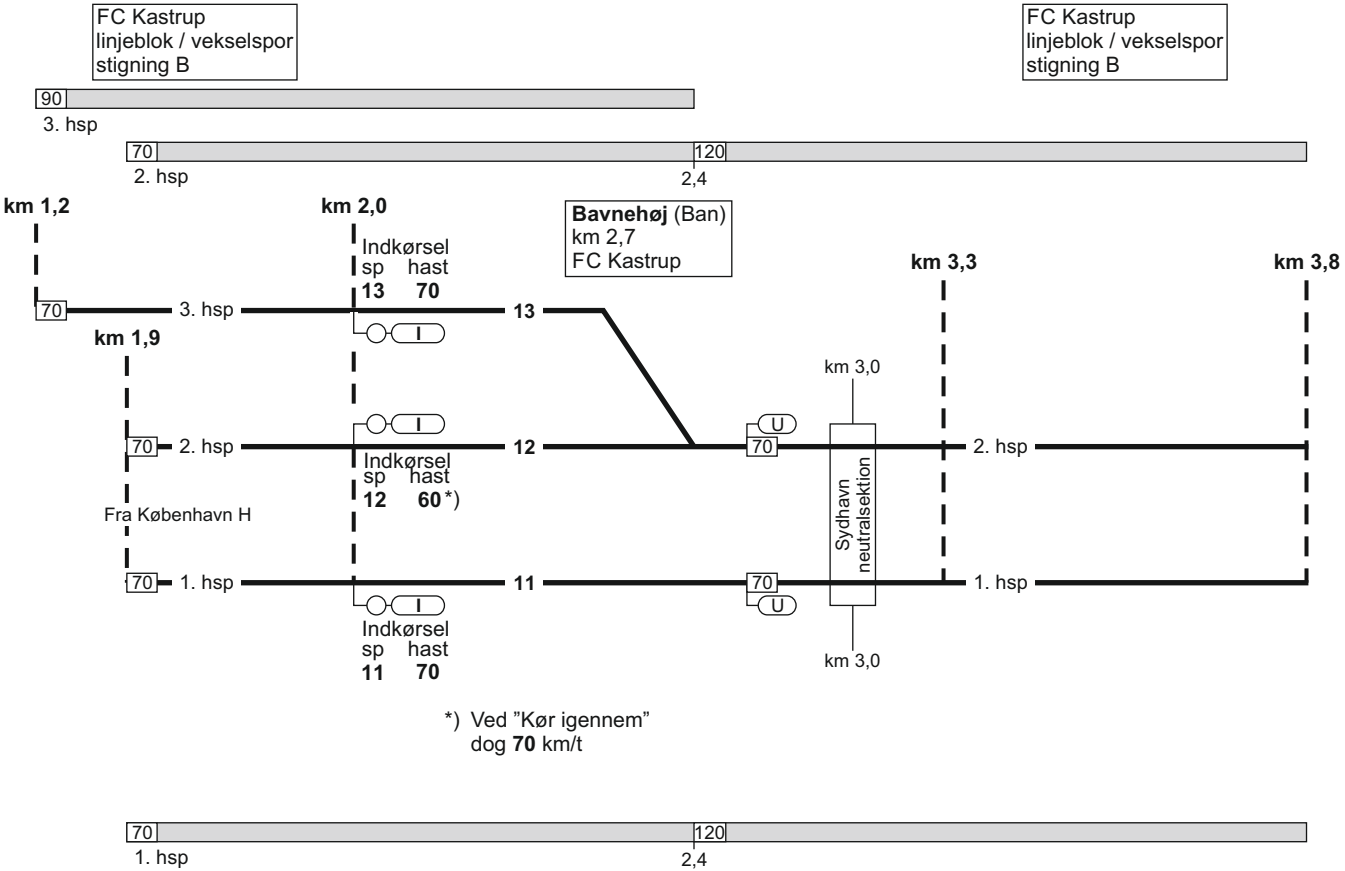
Strækningshastighed:

Delstrækning	Strækningshastighed (km/t)
København H / Vigerslev - Københavns Lufthavn Kastrup	160
Hvidovre Fjern - Vigerslev	100
Københavns Lufthavn Kastrup - Peberholm	180

11. København H / Hvidovre Fjern - Peberholm

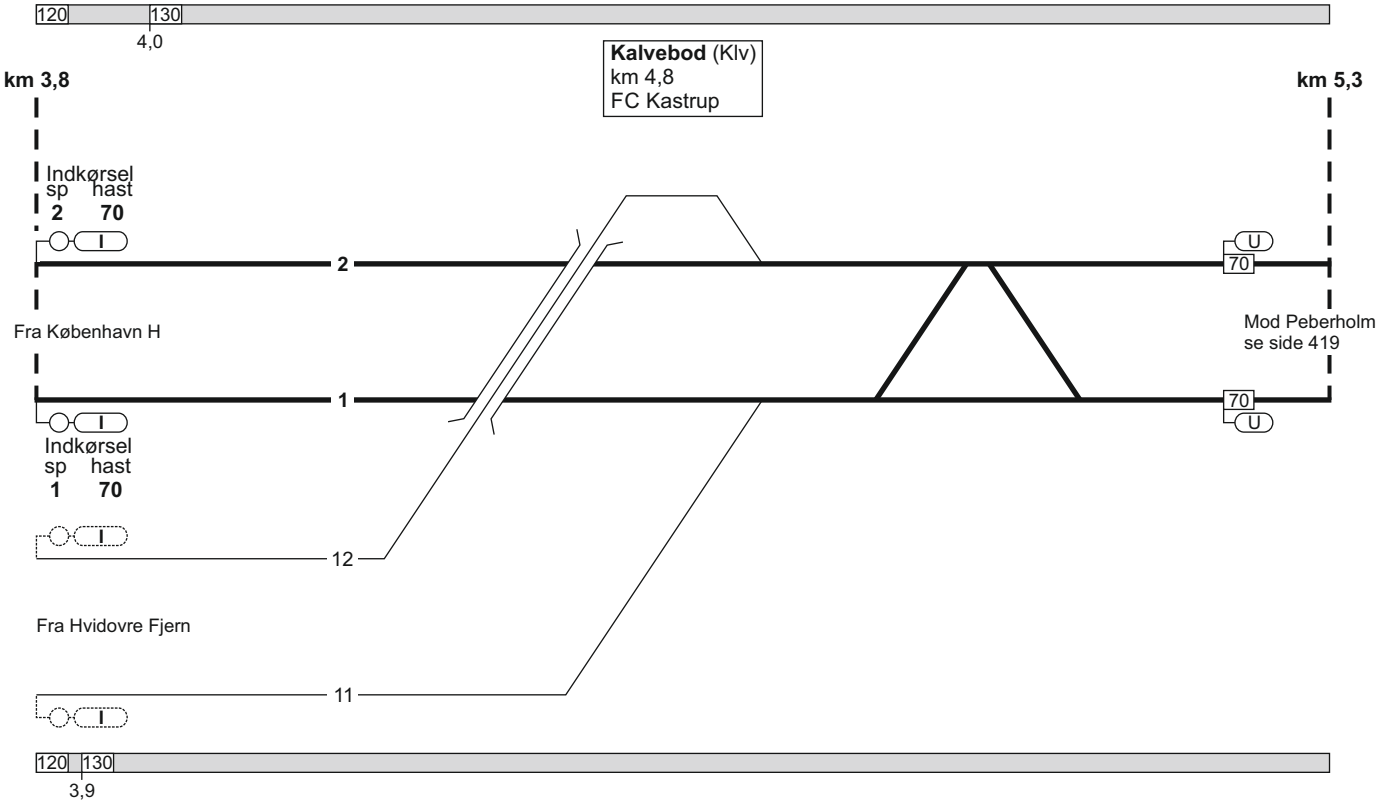


11. København H / Hvidovre Fjern - Peberholm

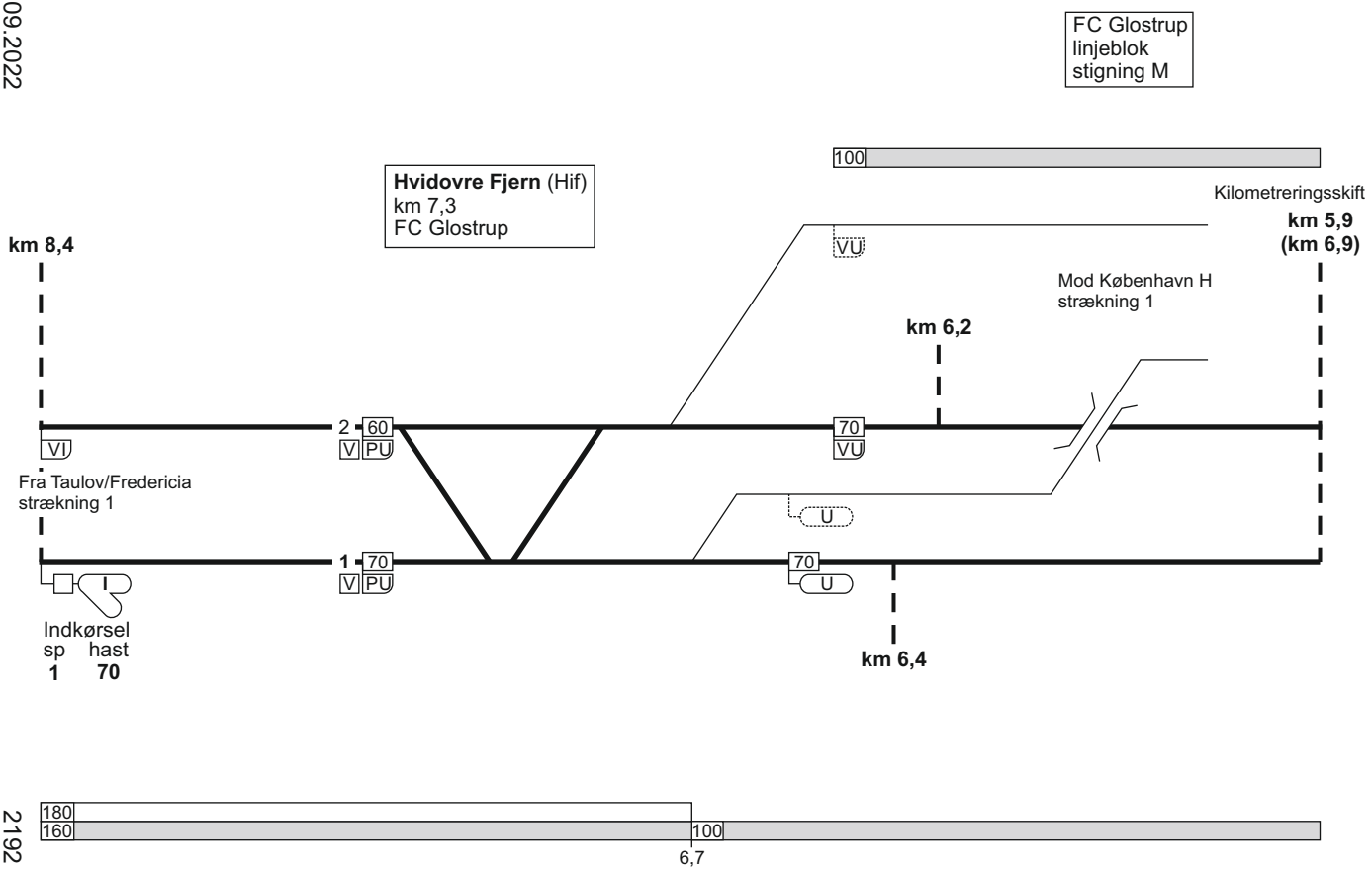


*) Ved "Kør igennem"
dog **70** km/t

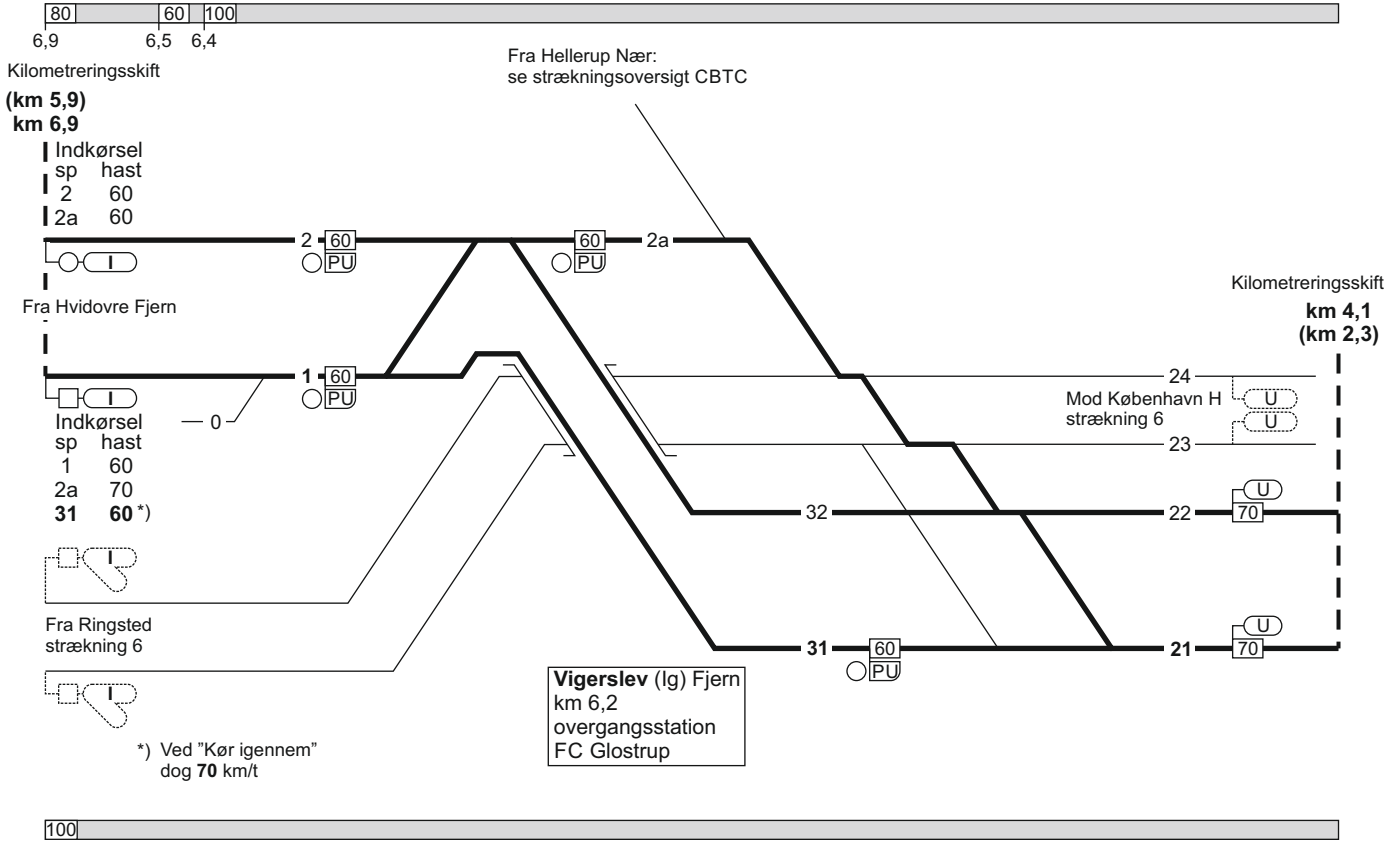
11. København H / Hvidovre Fjern - Peberholm



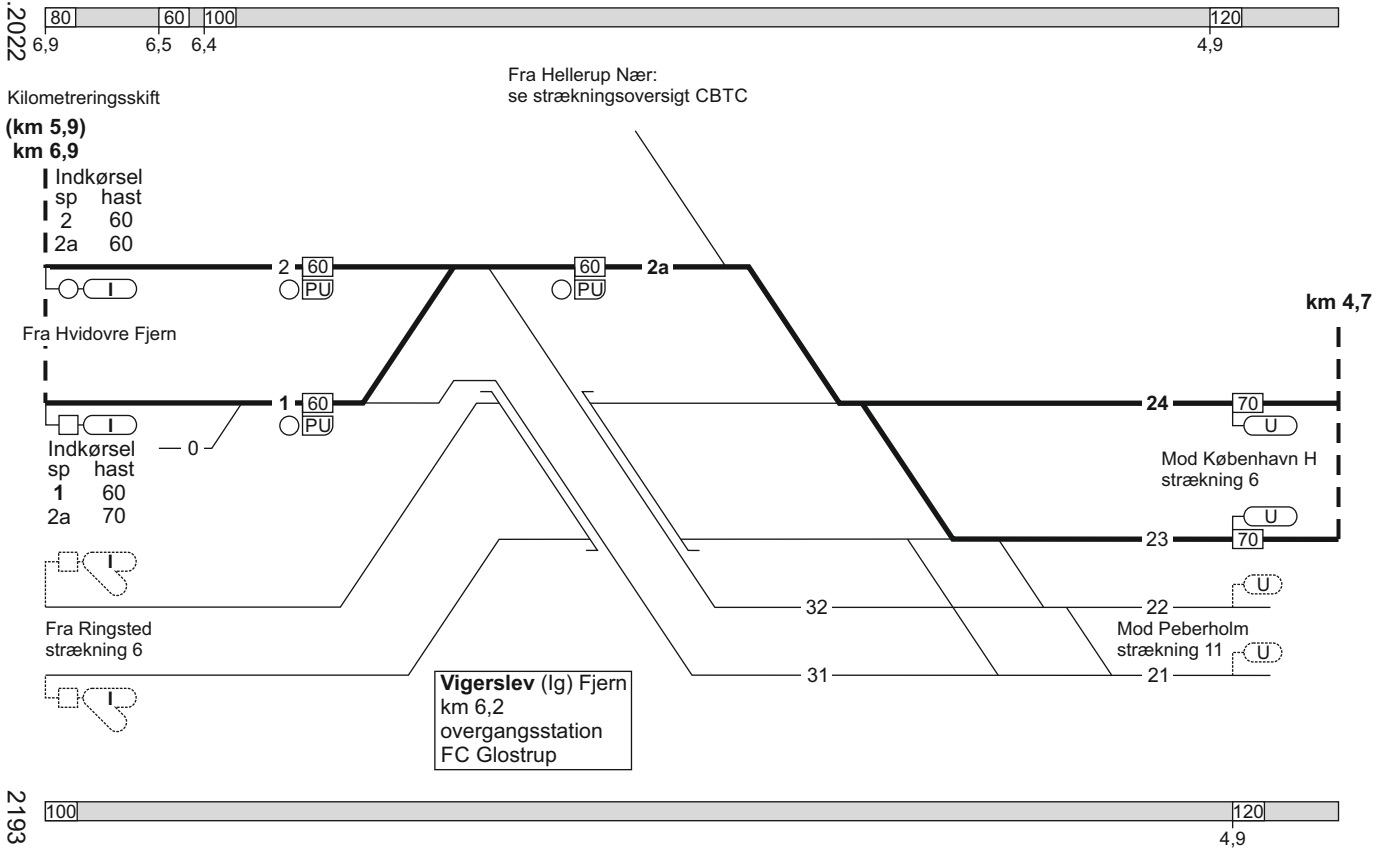
11. København H / Hvidovre Fjern - Peberholm



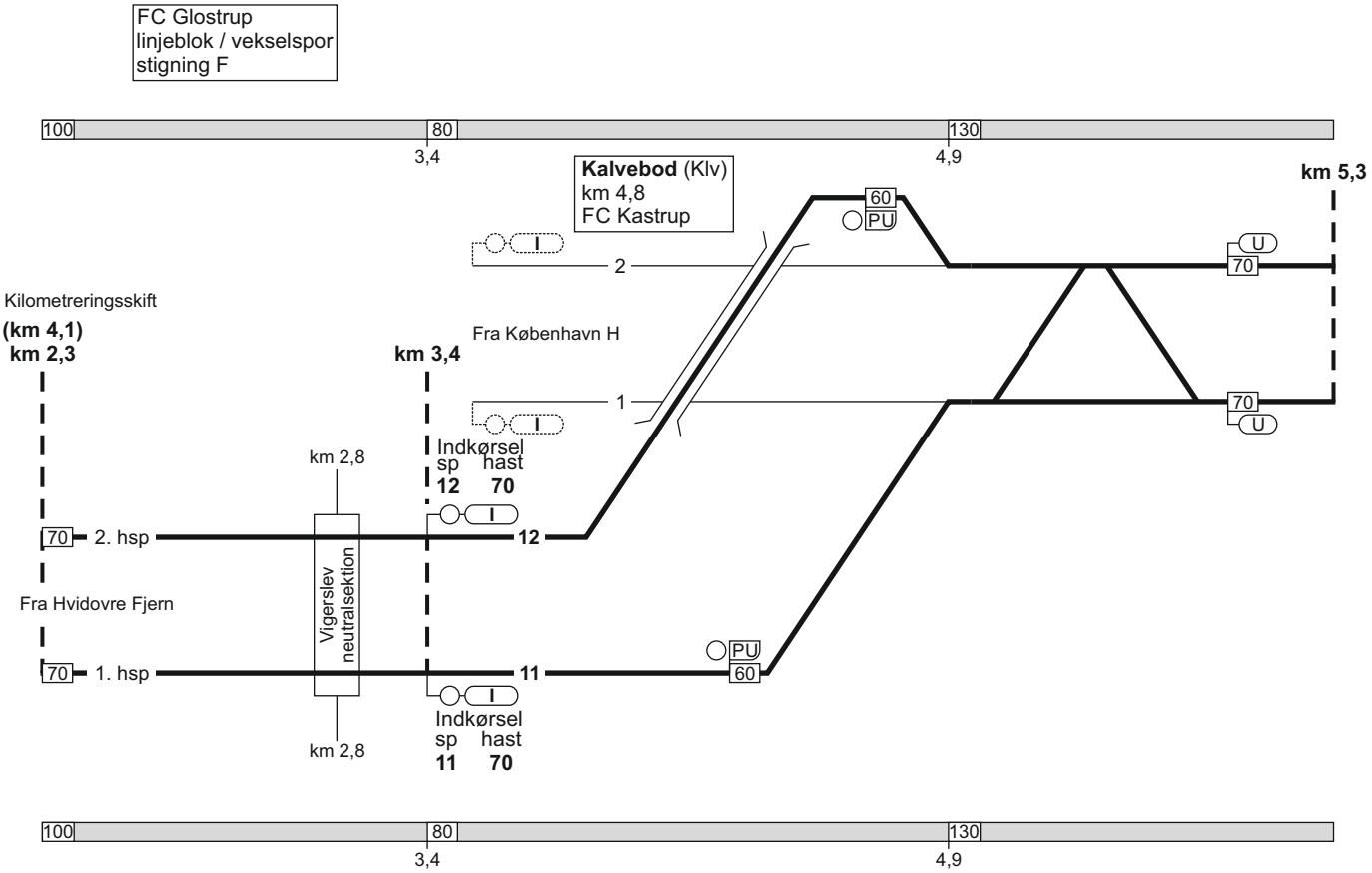
11. København H / Hvidovre Fjern - Peberholm



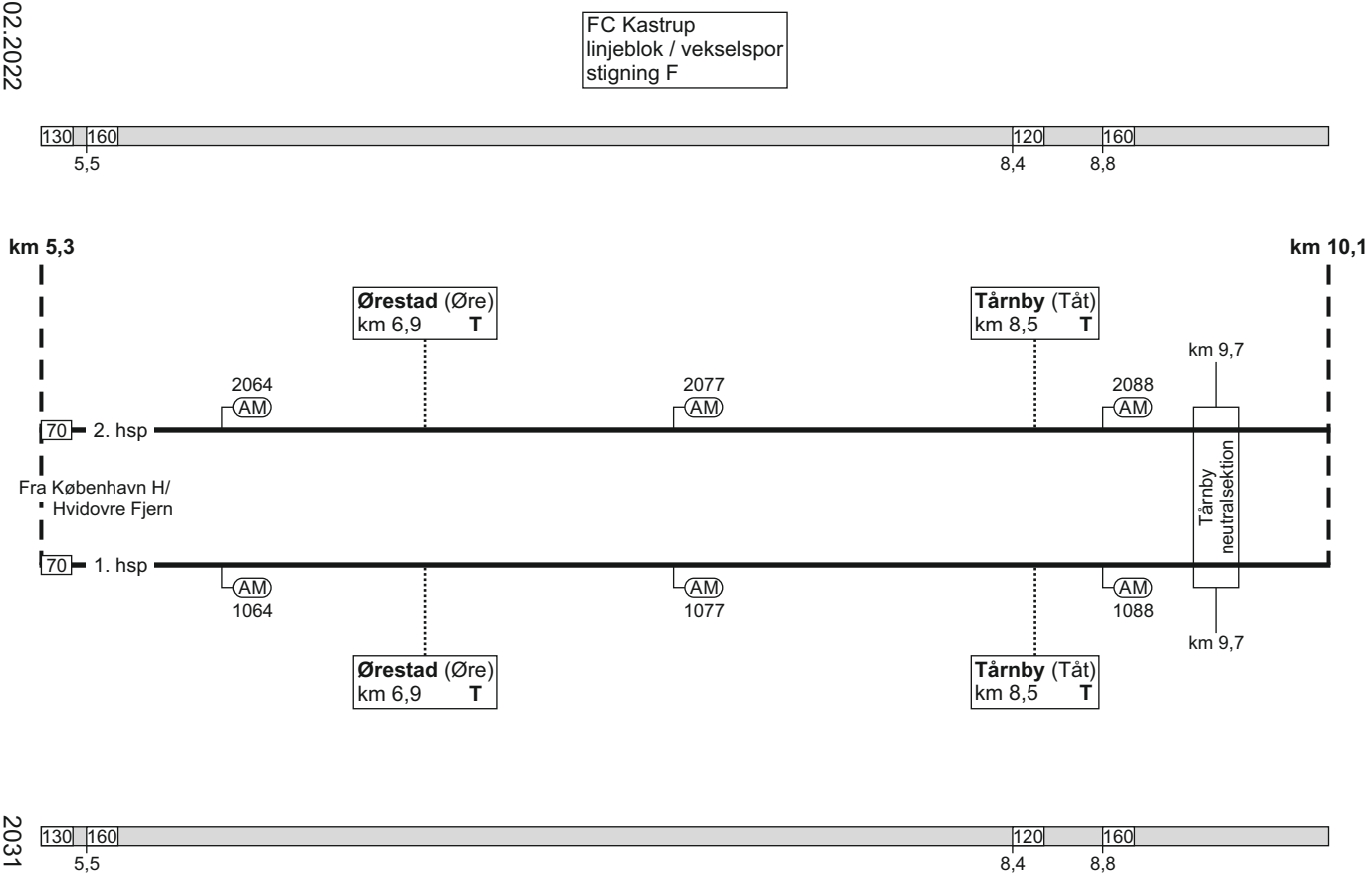
11. København H / Hvidovre Fjern - Peberholm



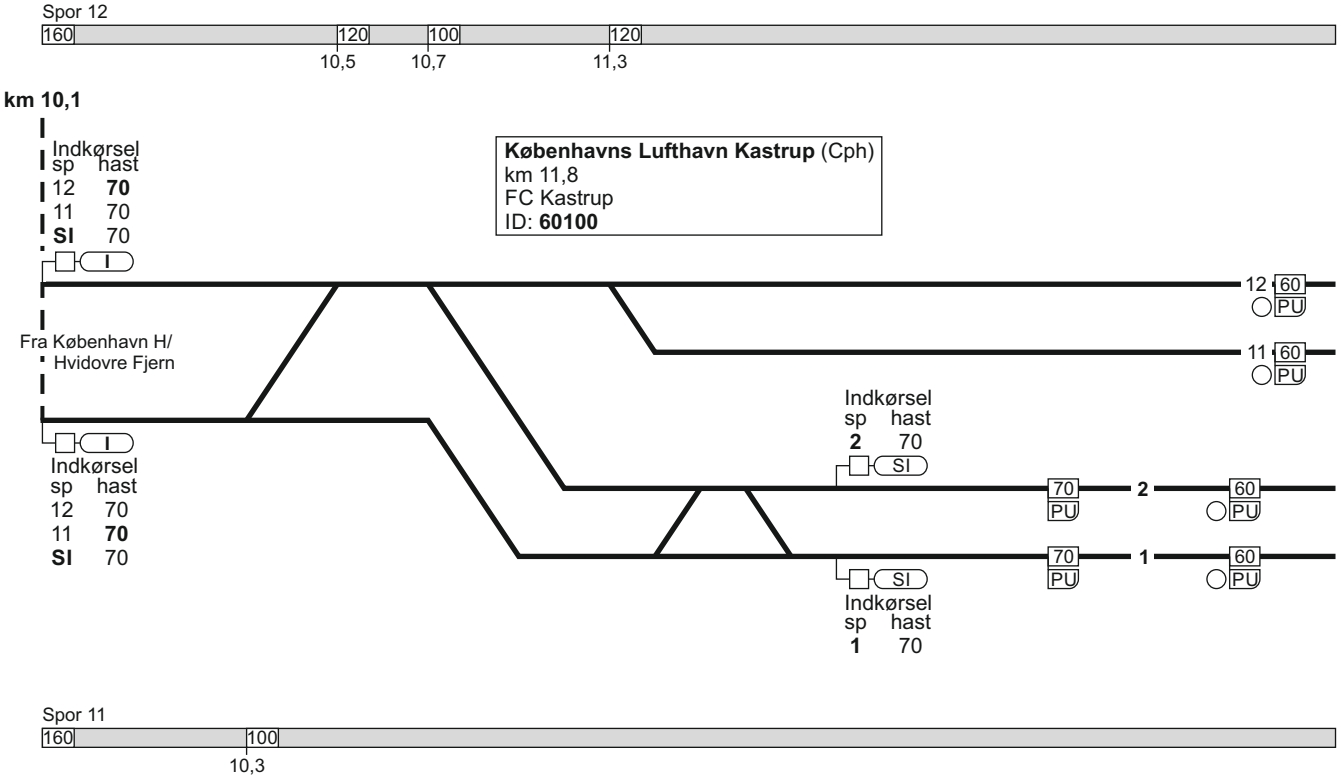
11. København H / Hvidovre Fjern - Peberholm



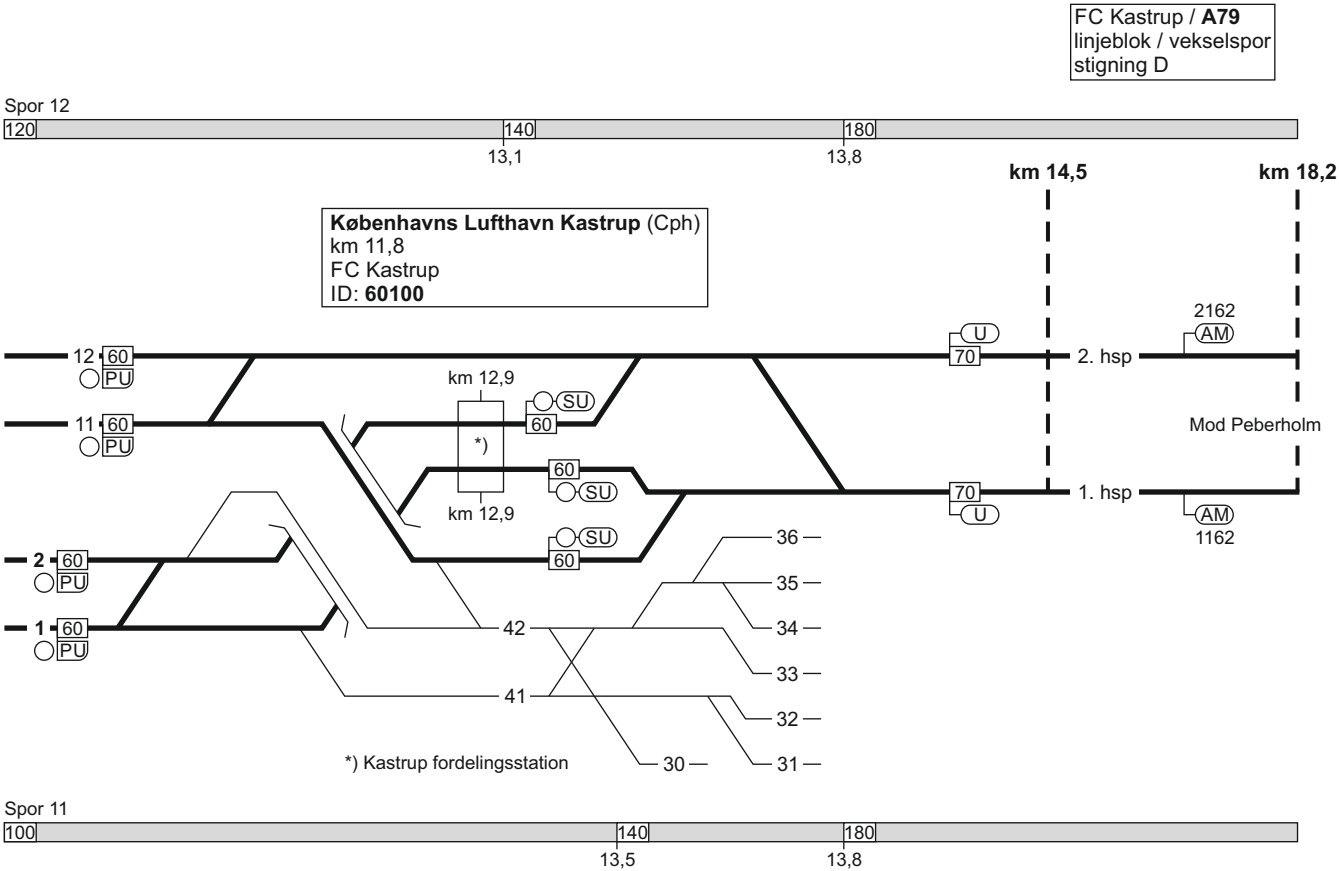
11. København H / Hvidovre Fjern - Peberholm



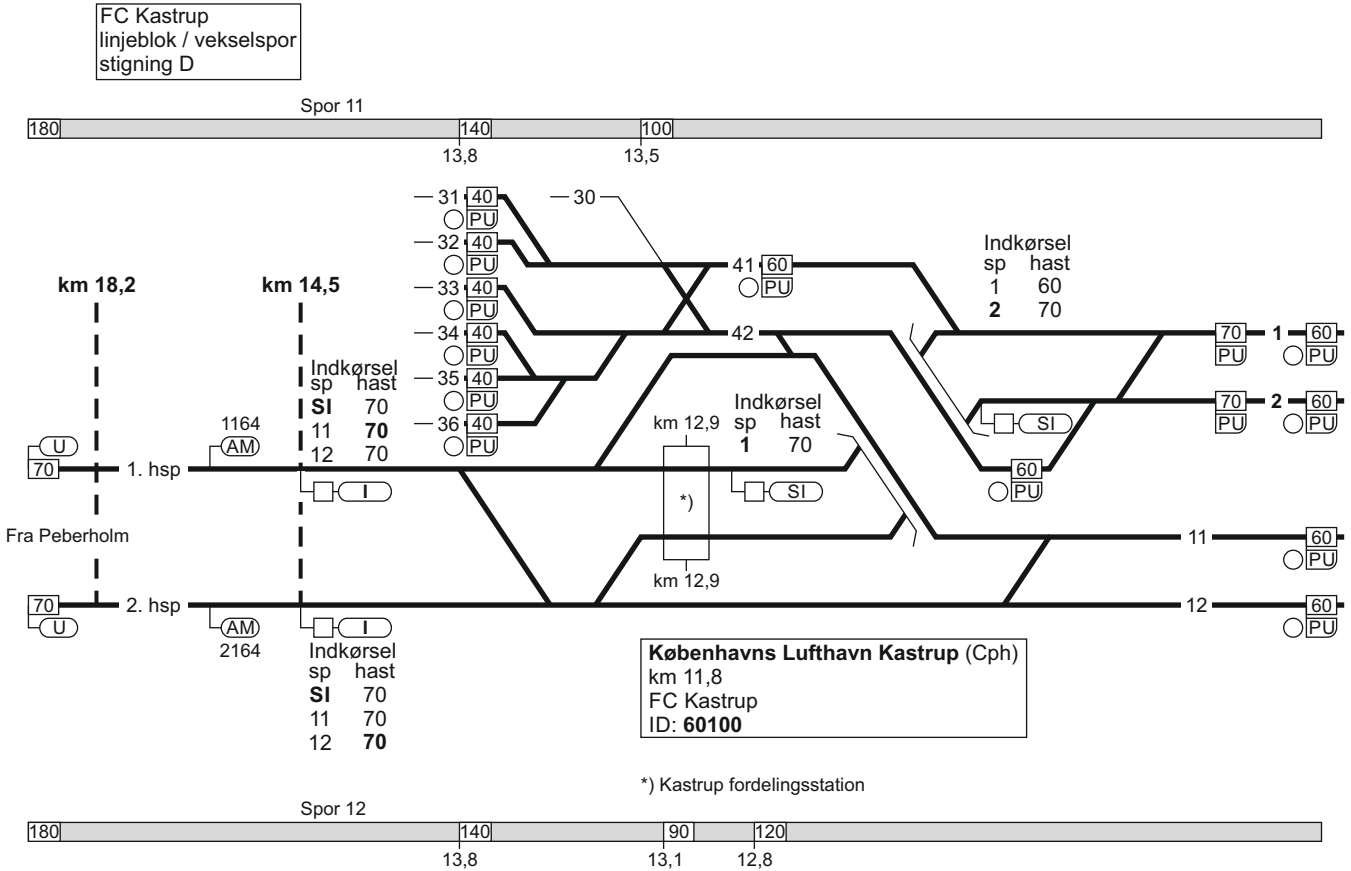
11. København H / Hvidovre Fjern - Peberholm



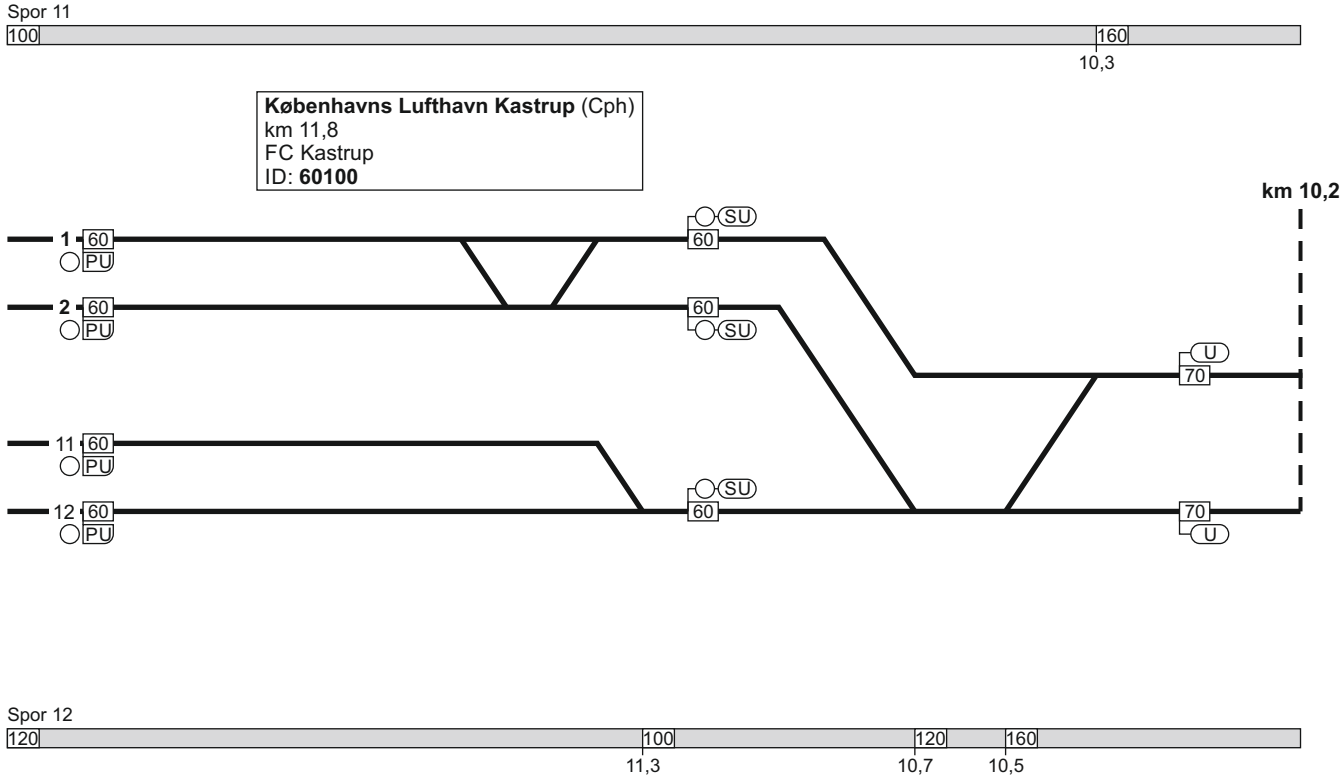
11. København H / Hvidovre Fjern - Peberholm



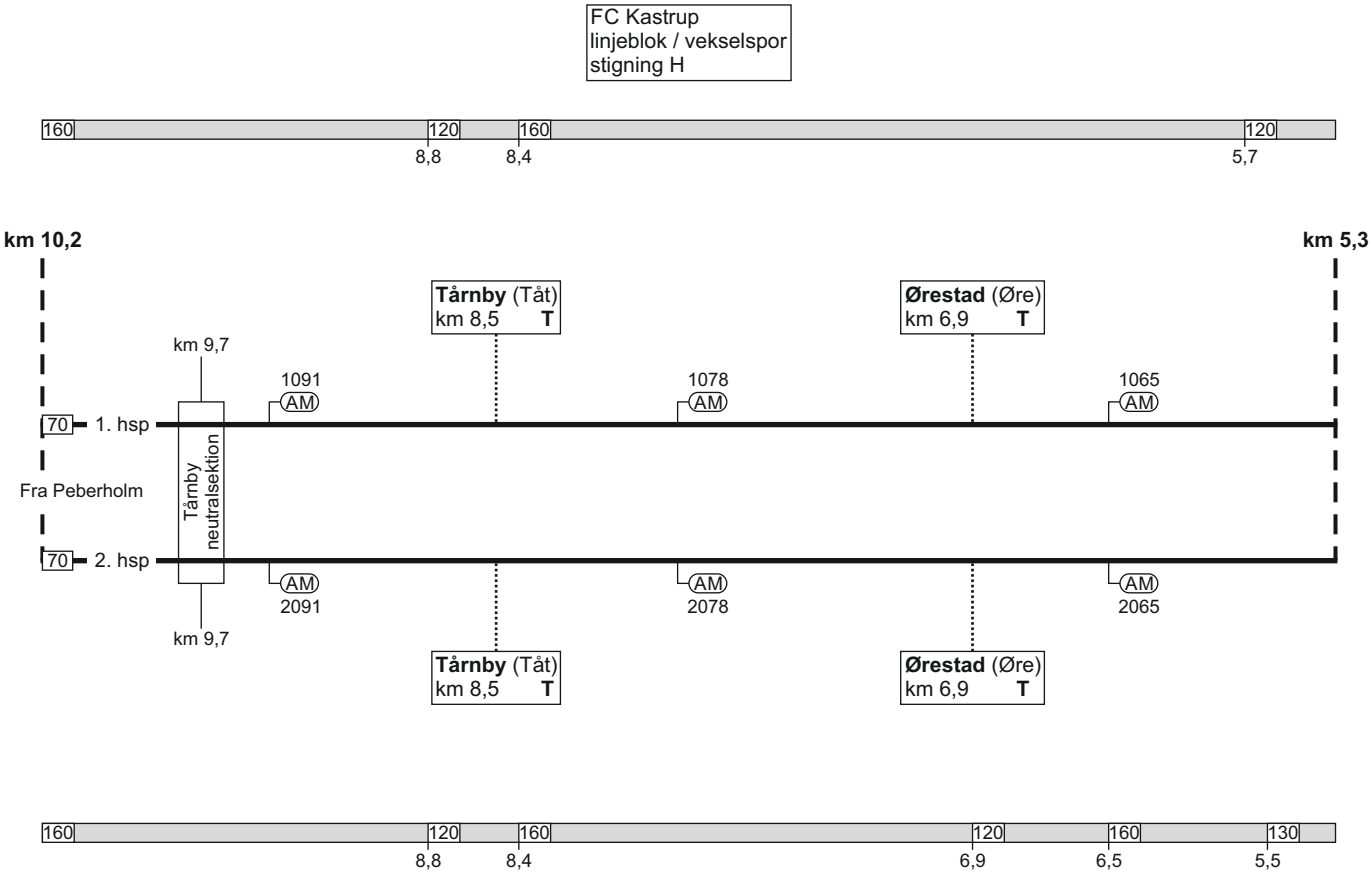
11. Peberholm - Hvidovre Fjern / København H



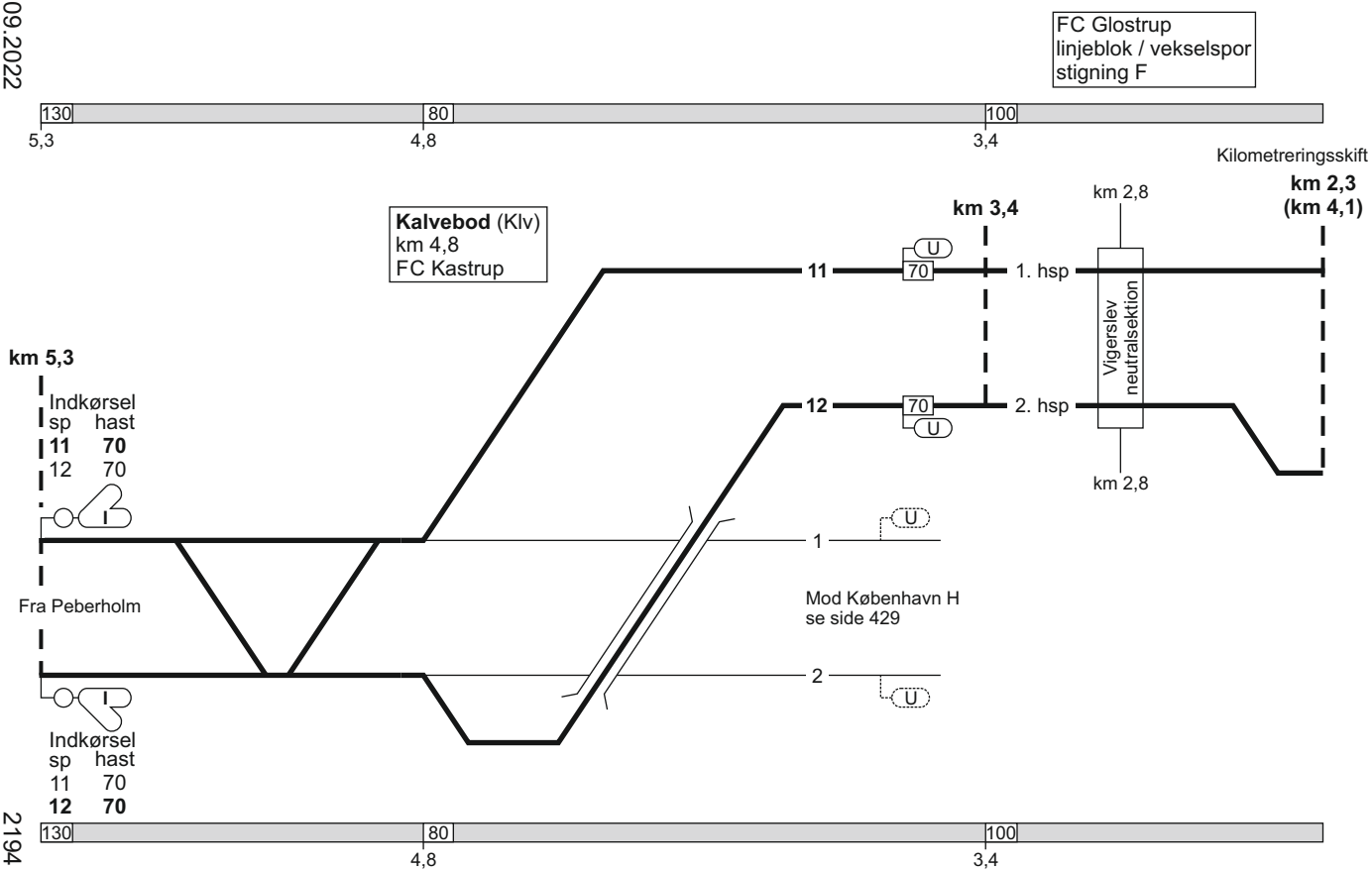
11. Peberholm - Hvidovre Fjern / København H



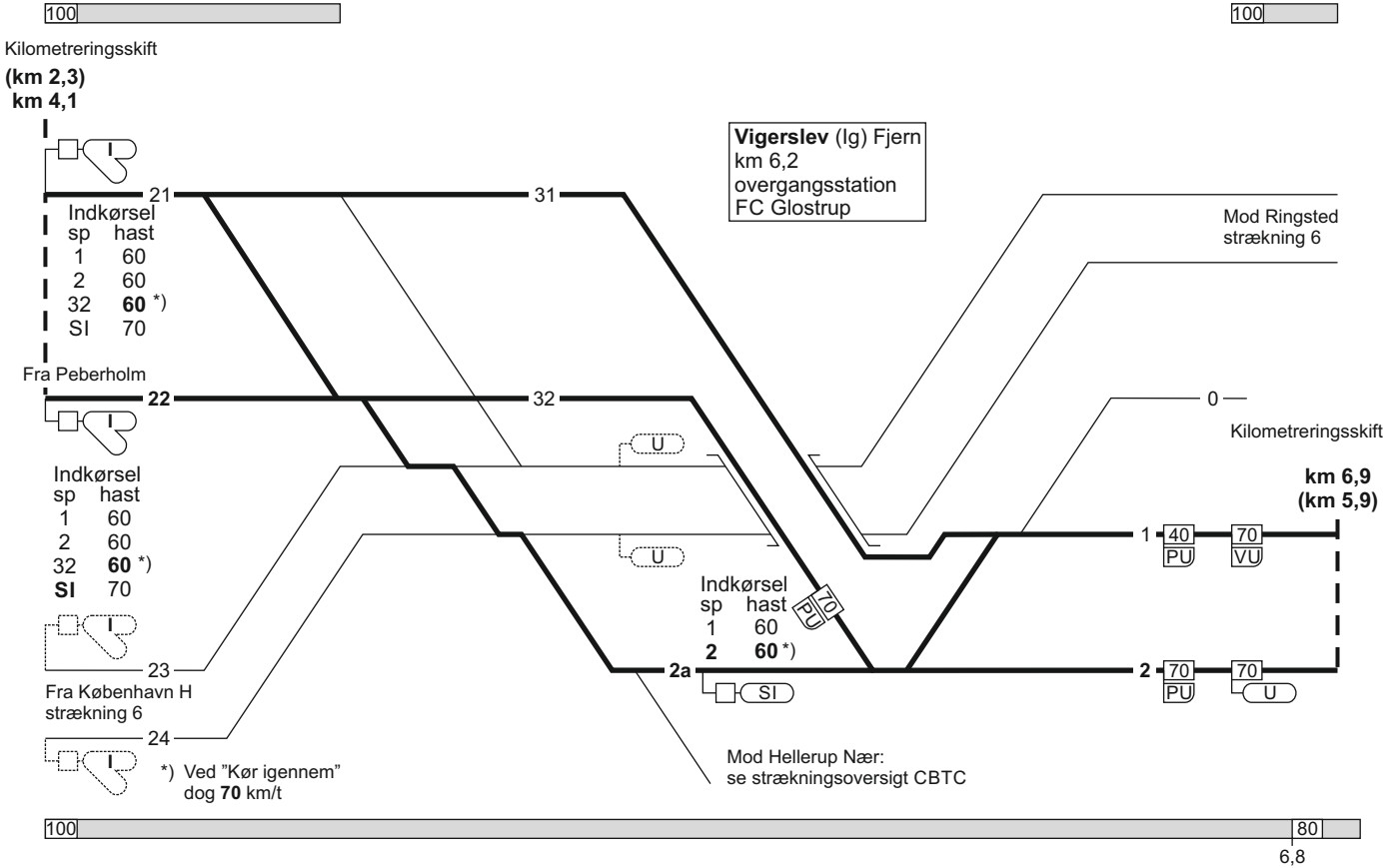
11. Peberholm - Hvidovre Fjern / København H



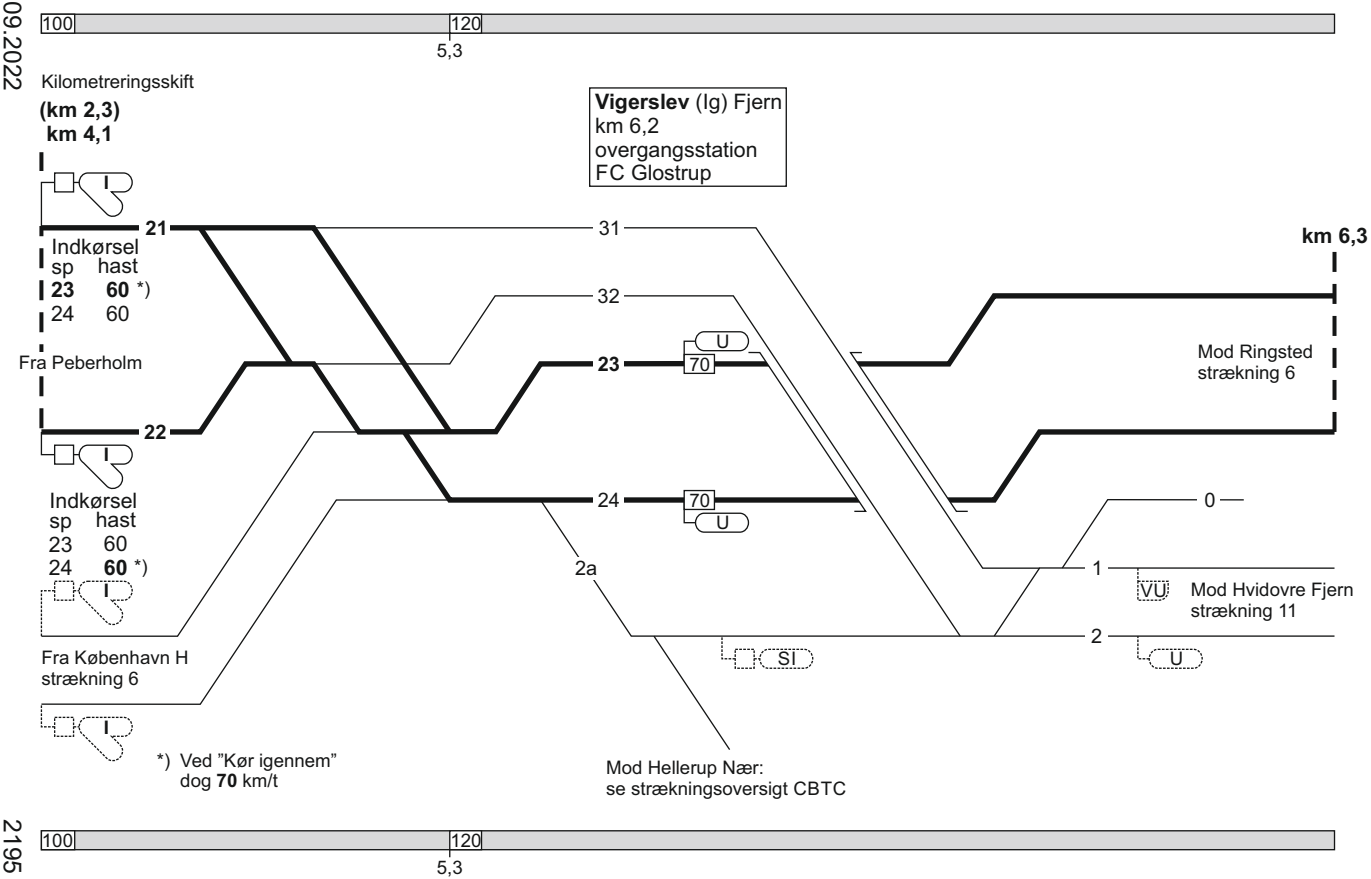
11. Peberholm - Hvidovre Fjern / København H



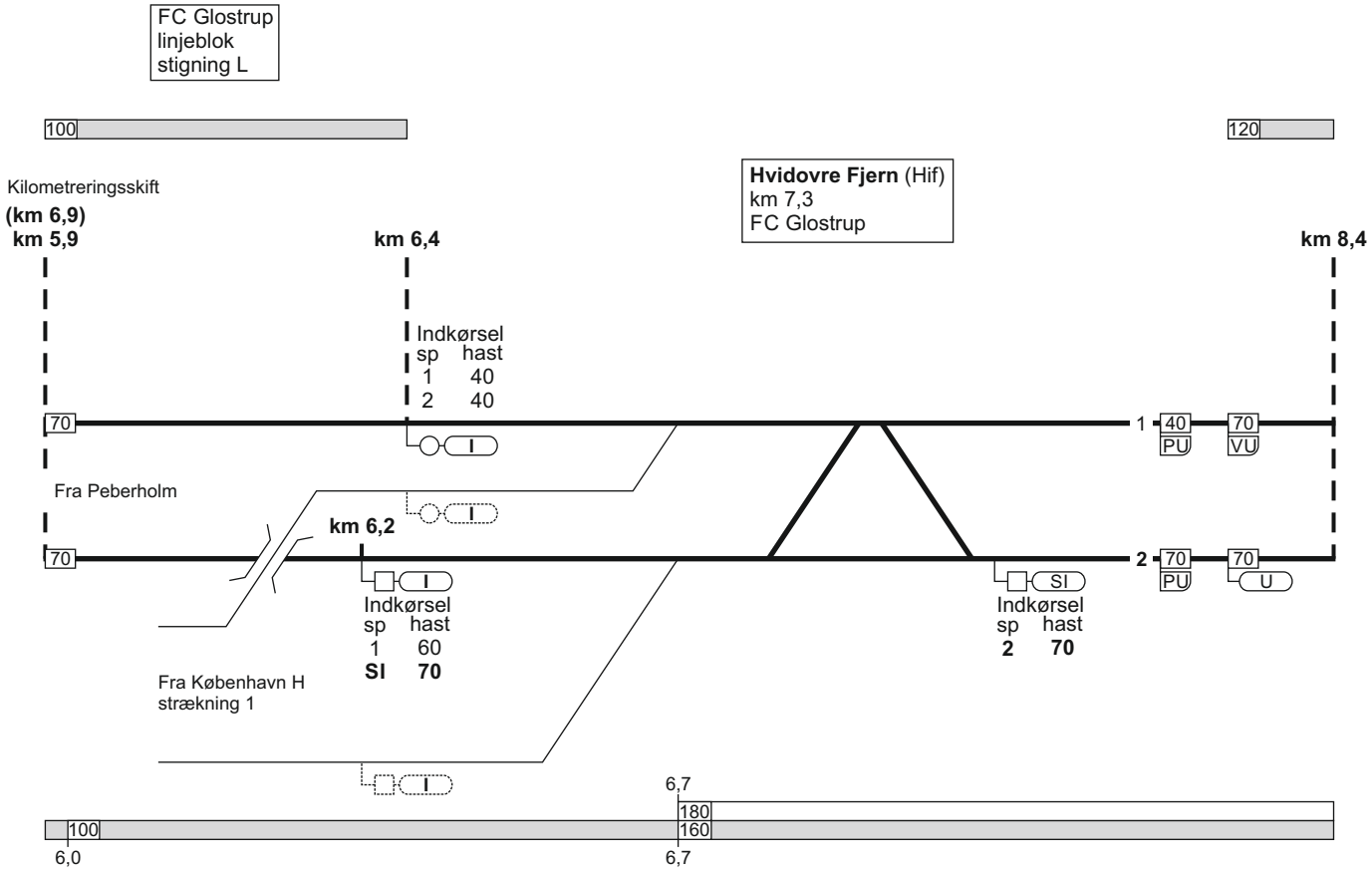
11. Peberholm - Hvidovre Fjern / København H



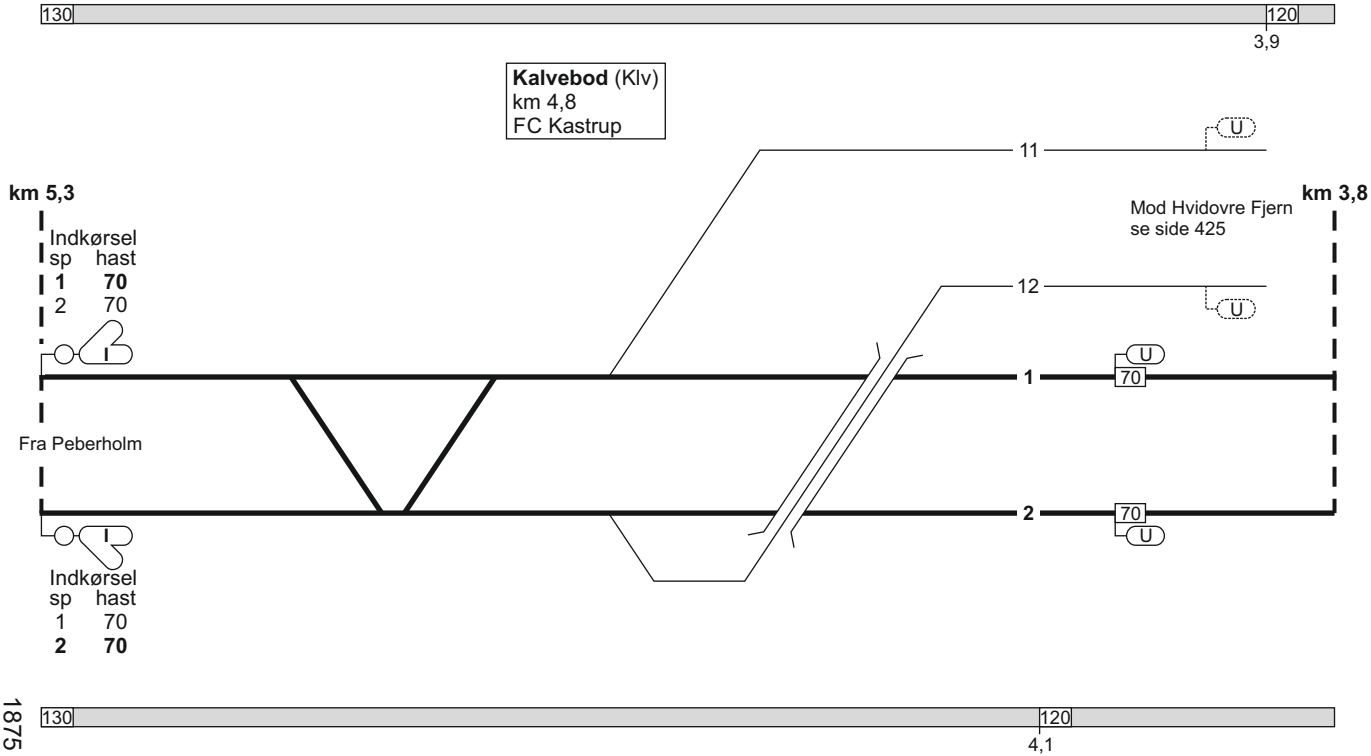
11. Peberholm - Hvidovre Fjern / København H



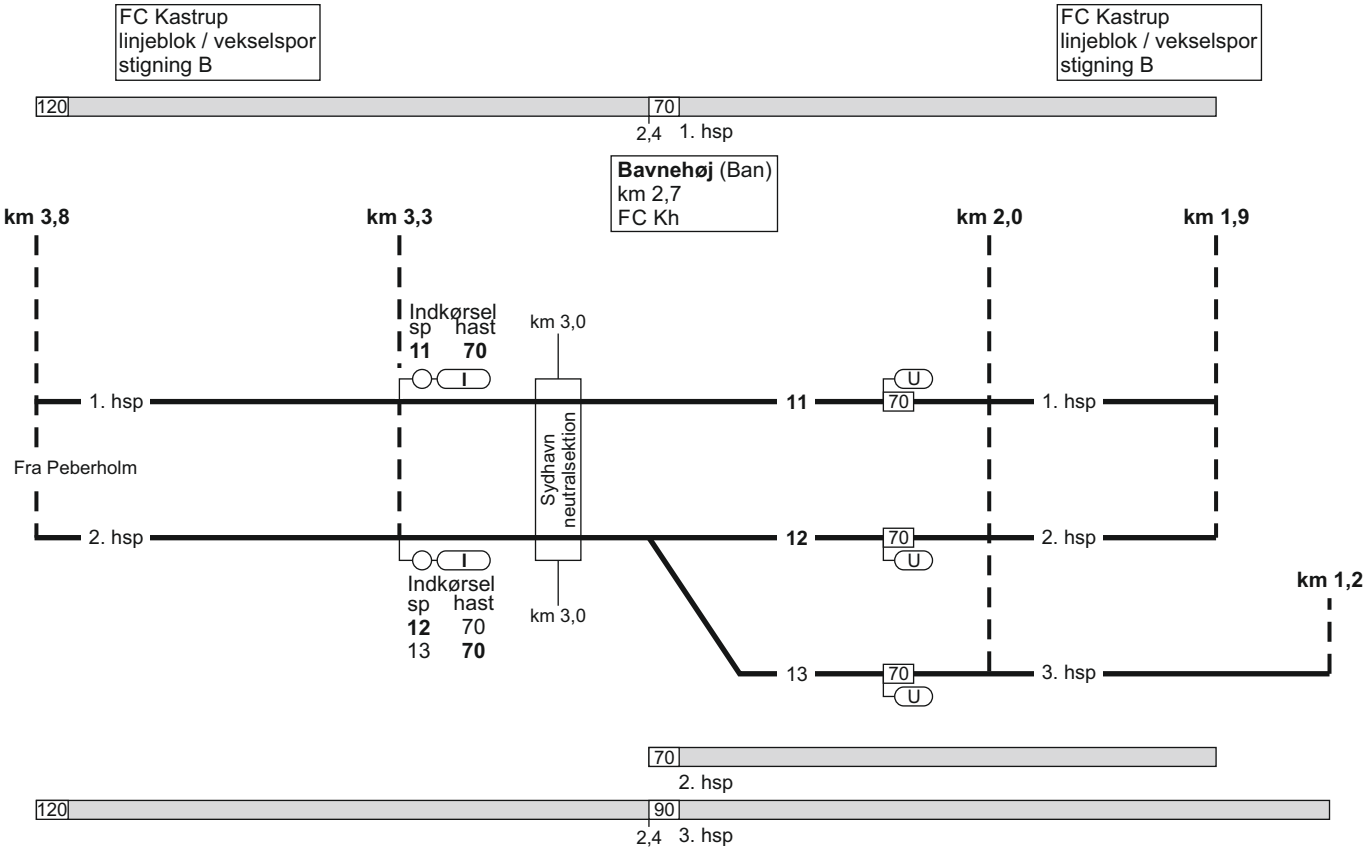
11. Peberholm - Hvidovre Fjern / København H



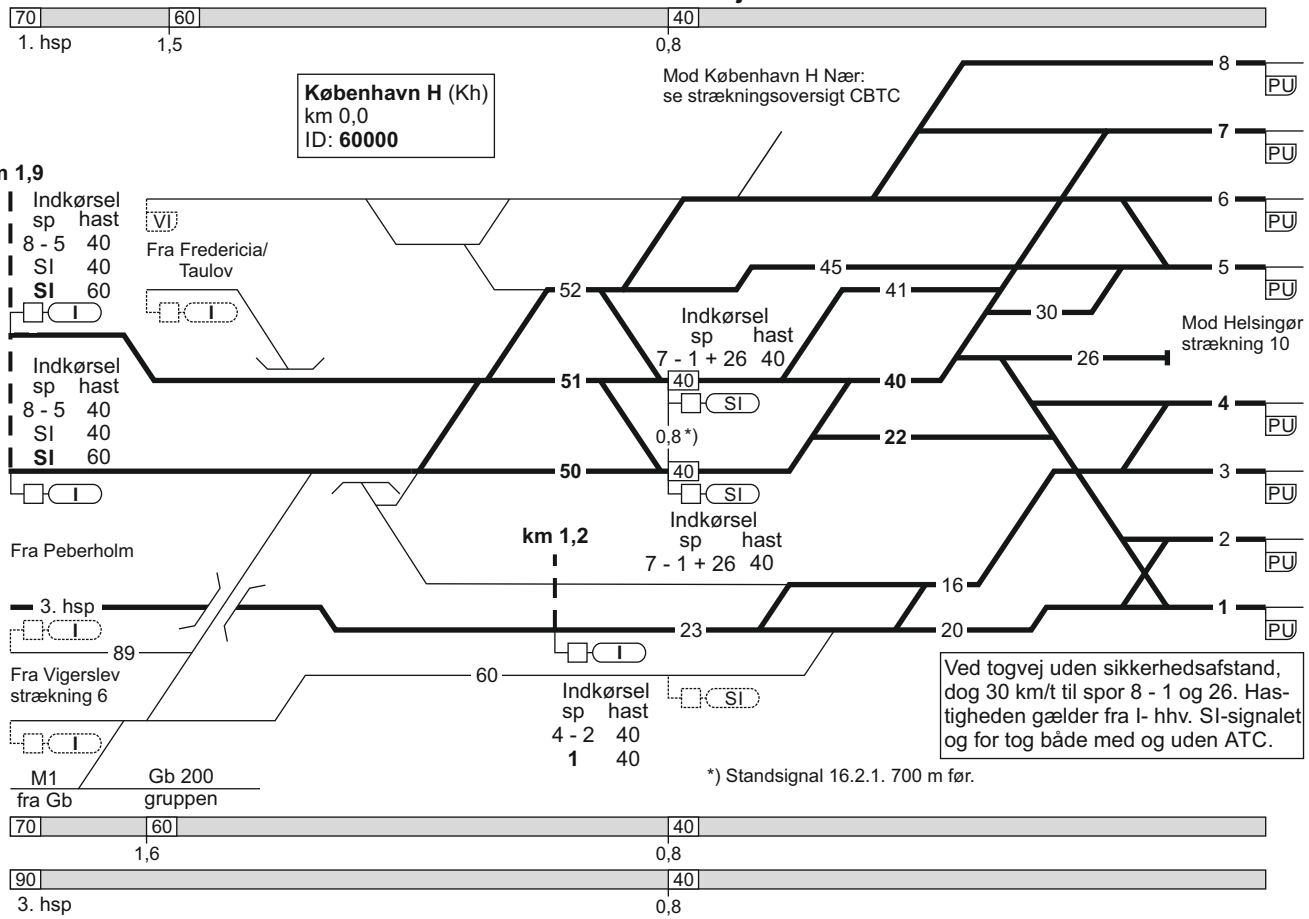
11. Peberholm - Hvidovre Fjern / København H



11. Peberholm - Hvidovre Fjern / København H



11. Peberholm - Hvidovre Fjern / København H



11. København H / Hvidovre Fjern - Peberholm

Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
København H			**Spor 1-8:** Tog fremført af diesellokomotiv standser med forreste køretøj i røgåbningen. Ved forspandskørsel dog med bageste lokomotiv i røgåbningen. Passagertog der ankommer på hverdage i tidsrummet kl. 02.00-04.30 og på søn- og helligdage i tidsrummet kl. 02.00-05.30, skal uanset toglængde standse ud for ”200-metermærket” (SR-mærke 17.20.)	**Kmp:** 82 34 12 14 eller 82 34 26 12 GSM-R: 81 99 12 00 **FC Kastrup:** Kh (ekskl.) - Klv - Phm (ekskl.) 82 34 61 43 GSM-R: 81 99 12 03 **FC Glostrup:** Hif - Klv (ekskl.) 82 34 18 80 GSM-R: 81 99 12 01

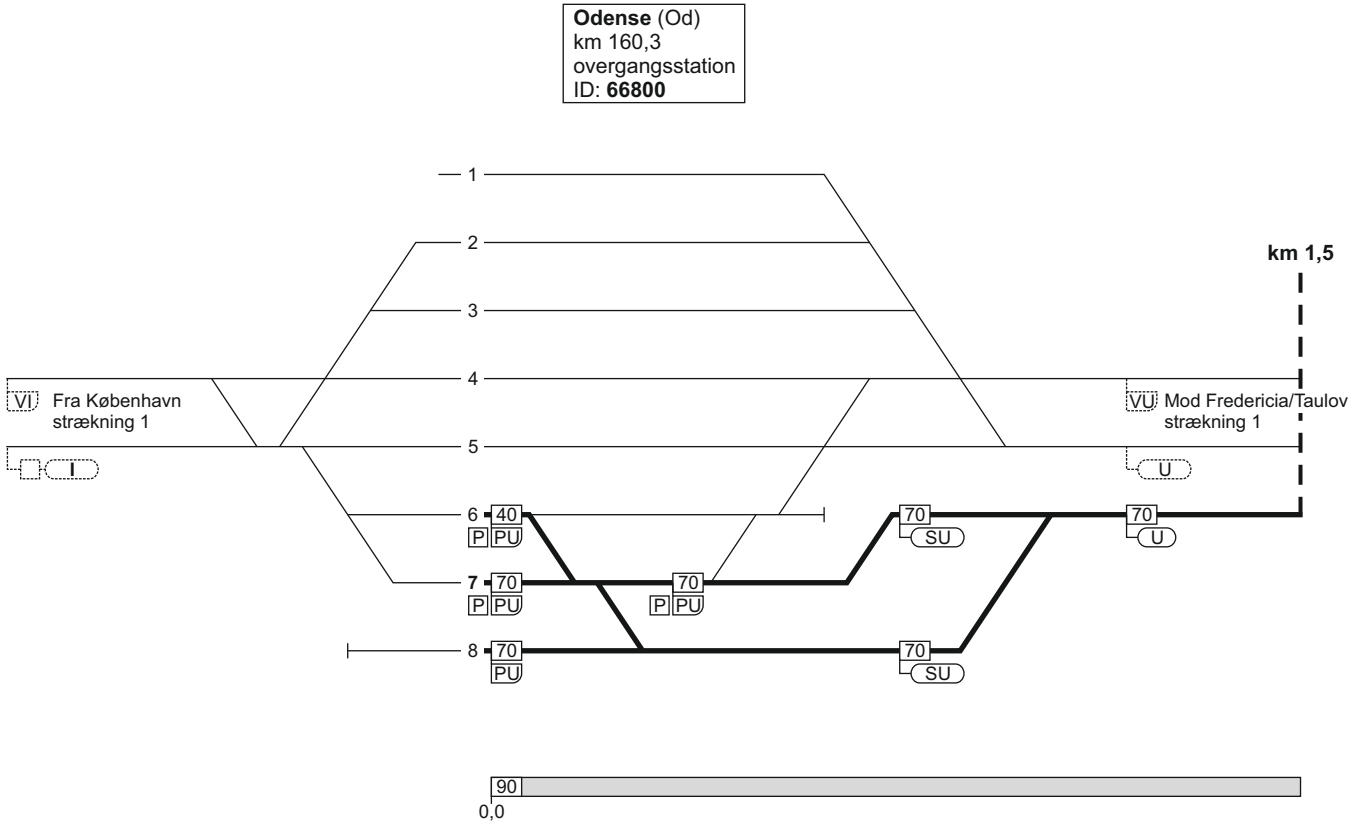
Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Københavns Lufthavn Kastrup			**Spor 1 og 2:** Tog fra Kalvebod som efter ankomst skal bortrangeres, skal køre helt frem til ”S-mærket” (SR-mærke 17.18.). Ved signalgivning ”Kør” til ”Togvej uden sikkerhedsafstand” fra SI-signal, skal tog køre helt frem til togvejens endepunkt.	**FC Kastrup:** Kh (ekskl.) - Klv - Phm (ekskl.) 82 34 61 43 GSM-R: 81 99 12 08

21. Odense - Svendborg

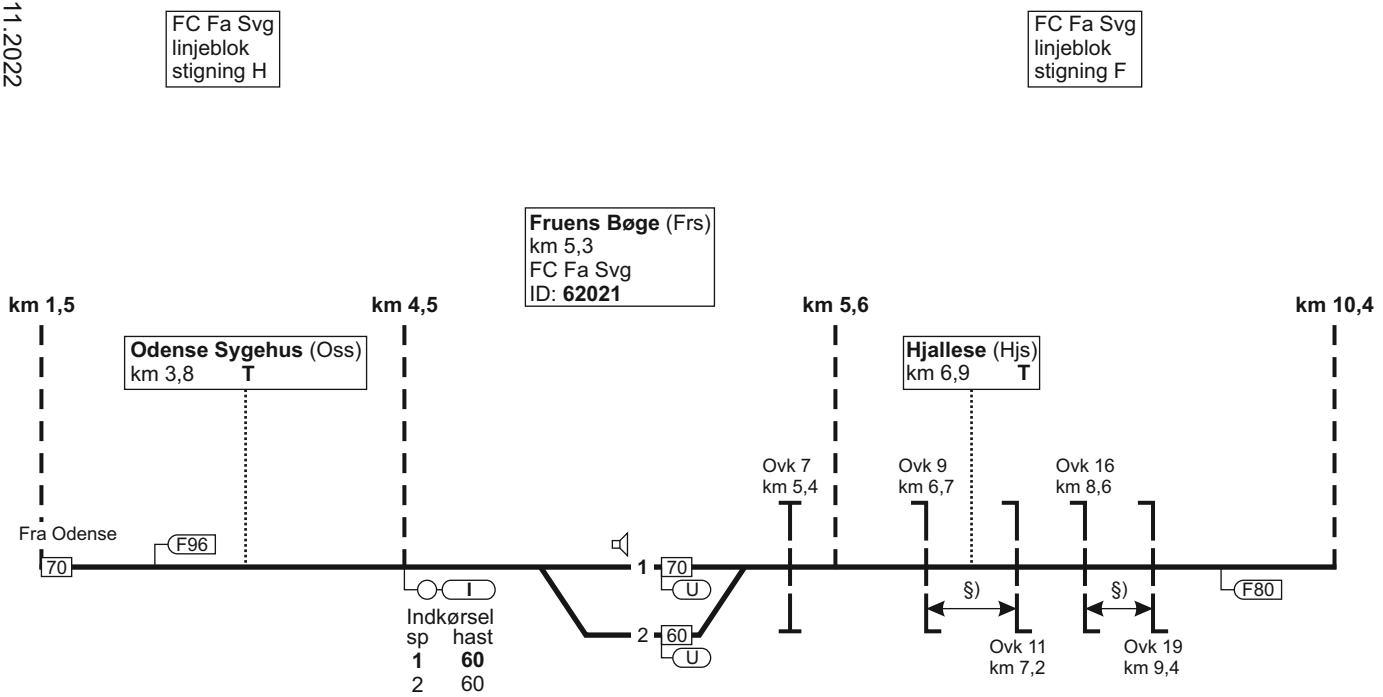
Strækningshastighed:

Delstrækning	**Strækningshastighed (km/t)**
Odense - Svendborg	120

21. Odense - Svendborg



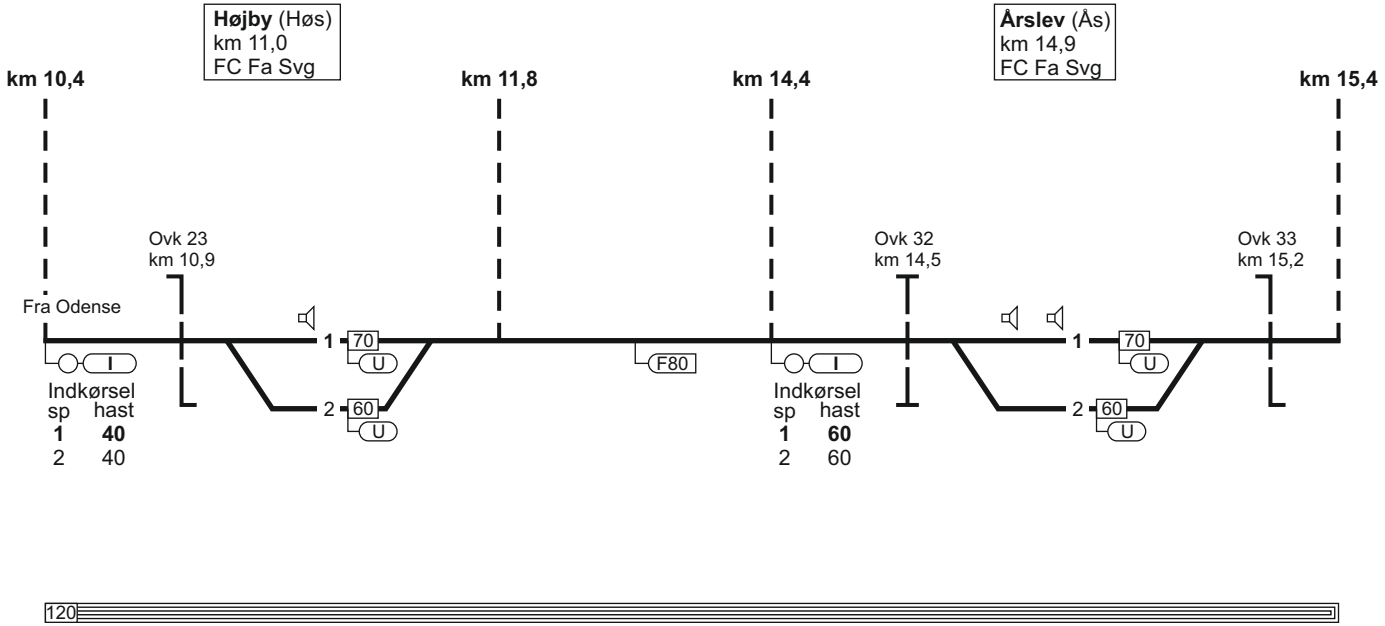
21. Odense - Svendborg



§) = overkørslerne har fælles overkørselssignal

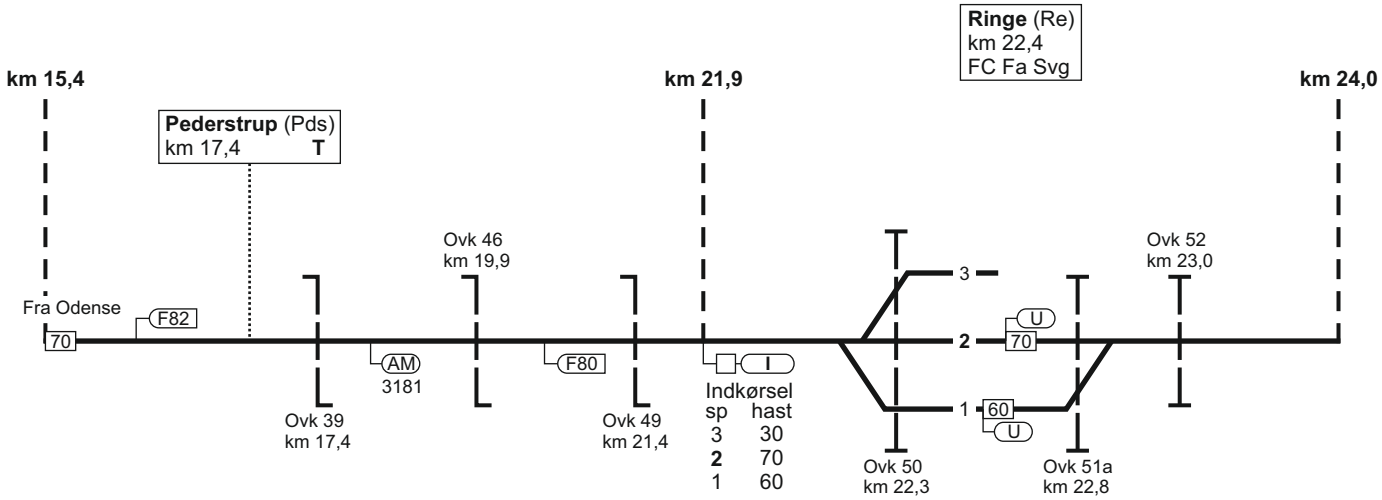
21. Odense - Svendborg

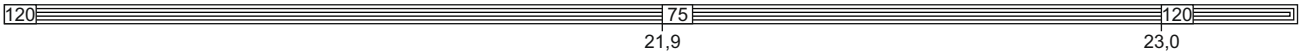
FC Fa Svg
linjeblok
stigning F



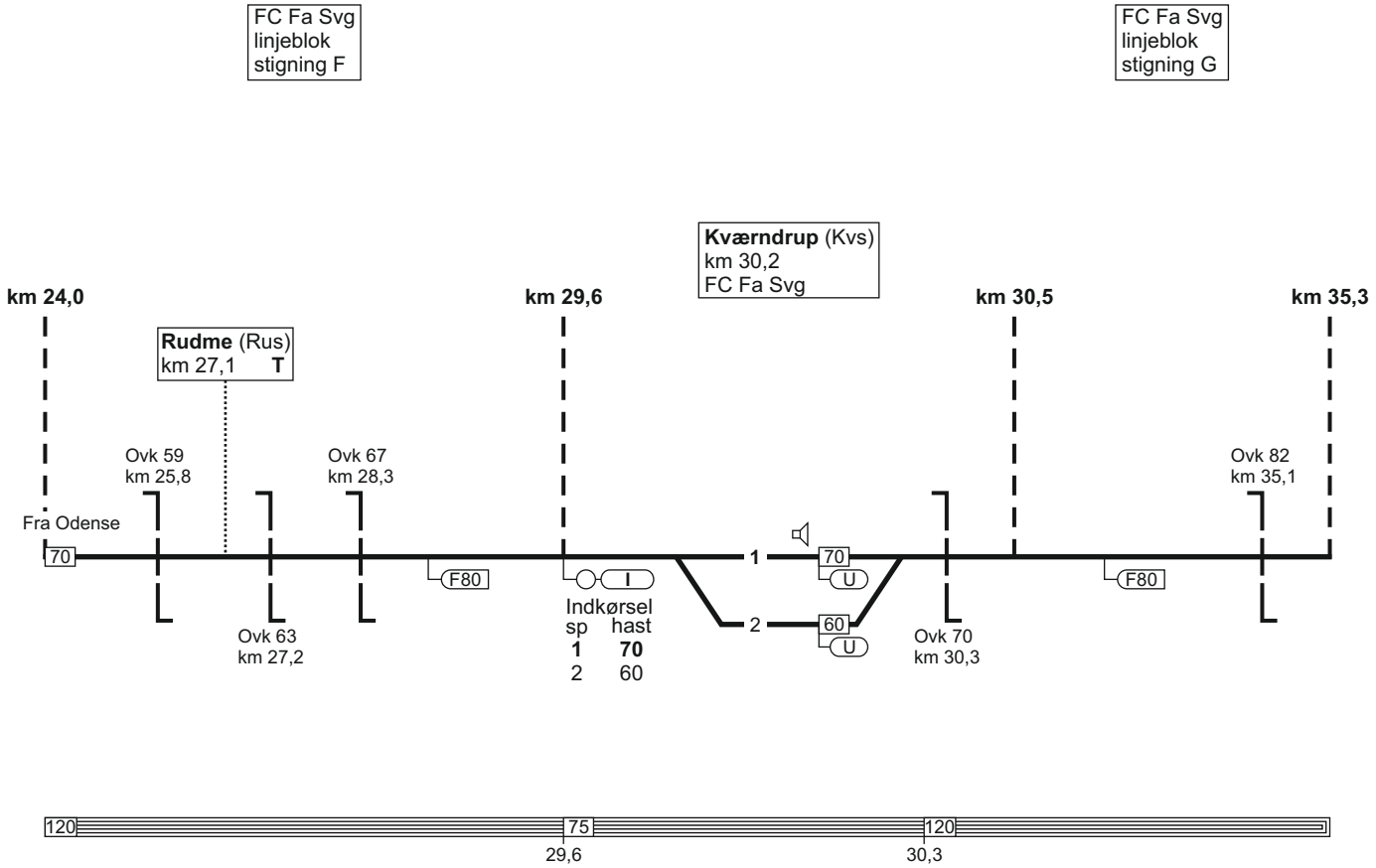
21. Odense - Svendborg

FC Fa Svg
linjeblok
stigning F



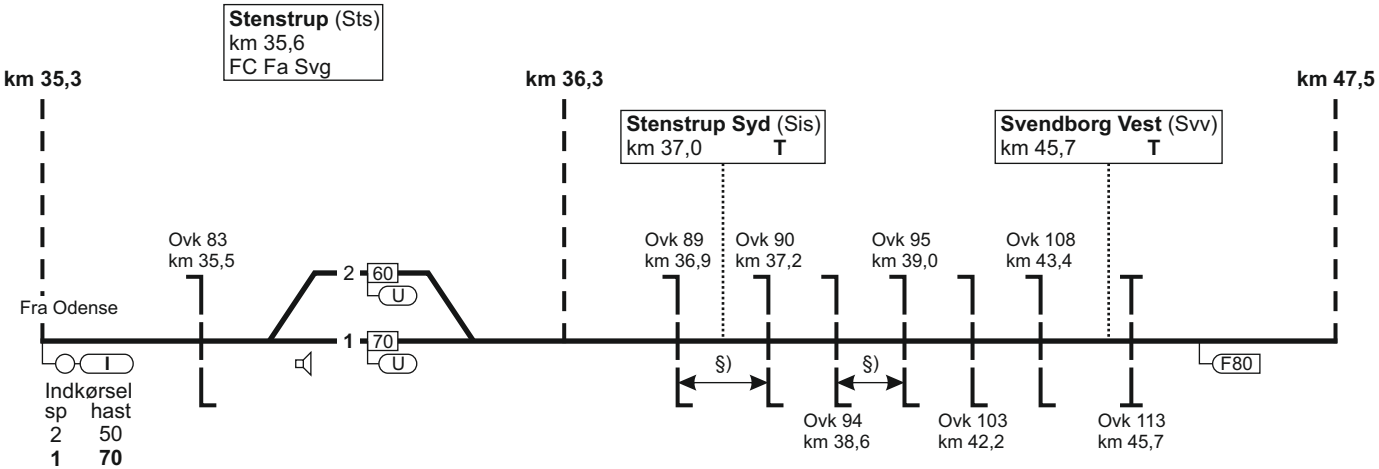


21. Odense - Svendborg



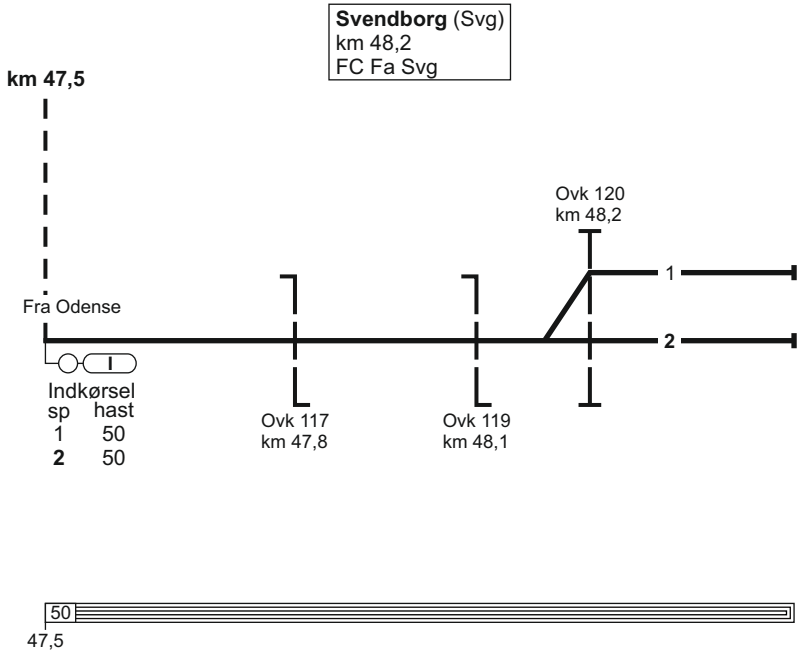
21. Odense - Svendborg

FC Fa Svg
linjeblok
stigning F

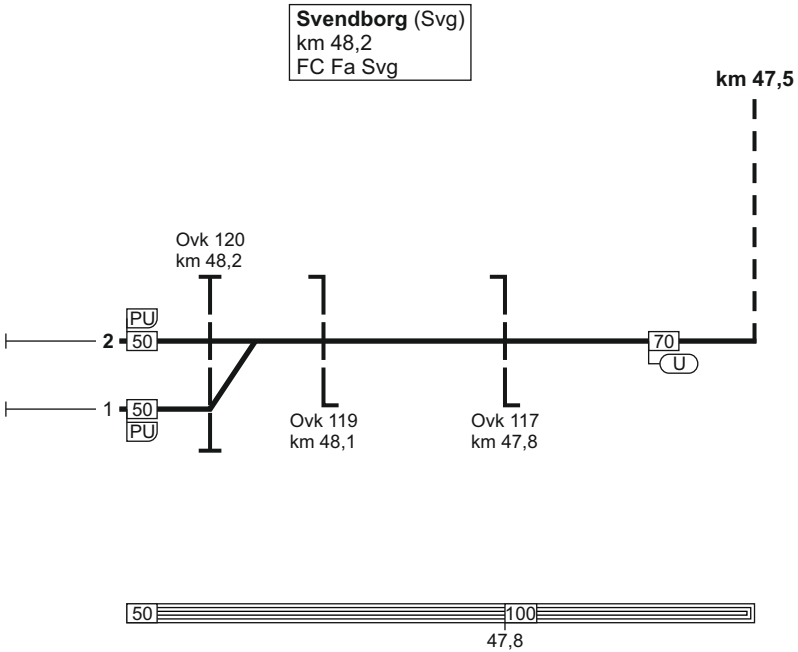


§) = overkørslerne har fælles overkørselssignal

21. Odense - Svendborg

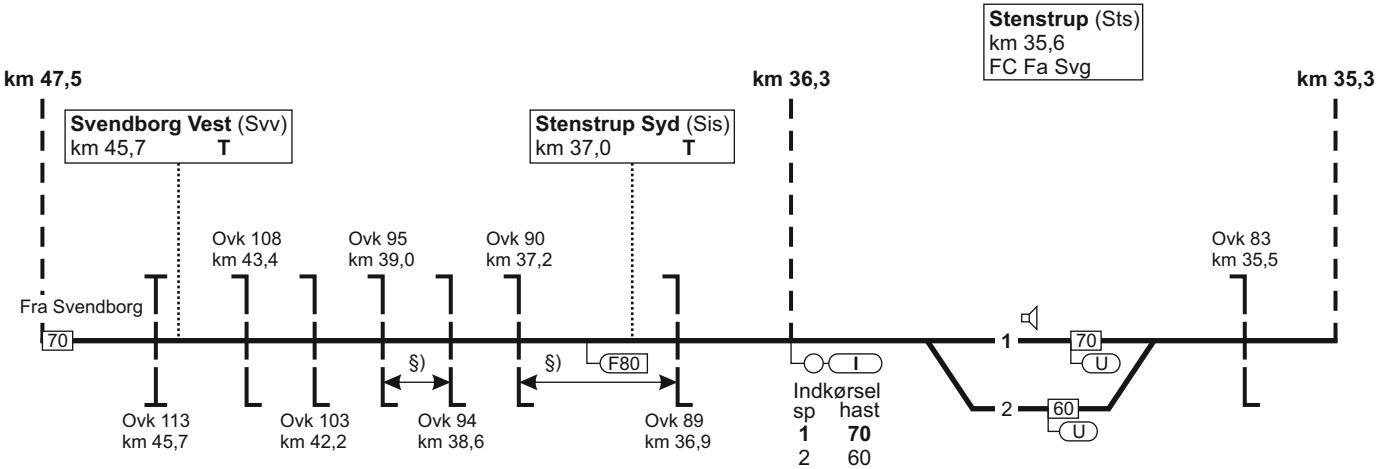


21. Svendborg - Odense



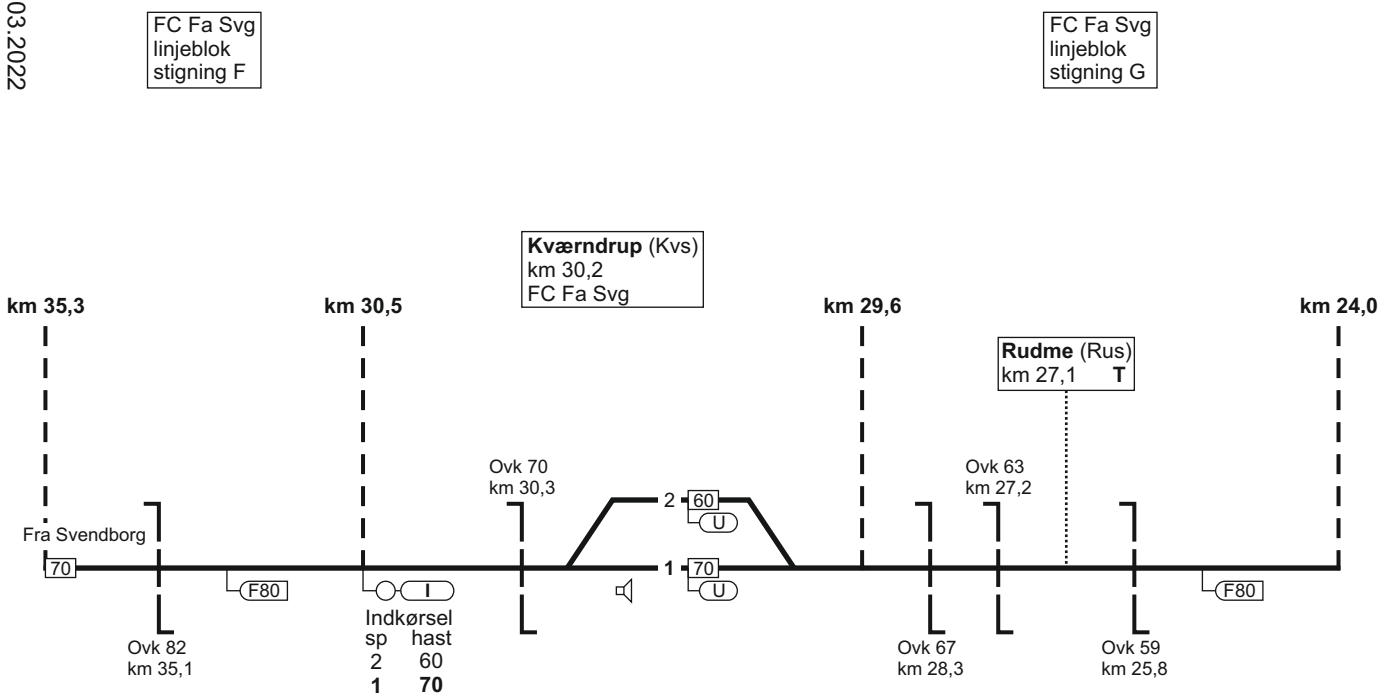
21. Svendborg - Odense

FC Fa Svg
linjeblok
stigning F

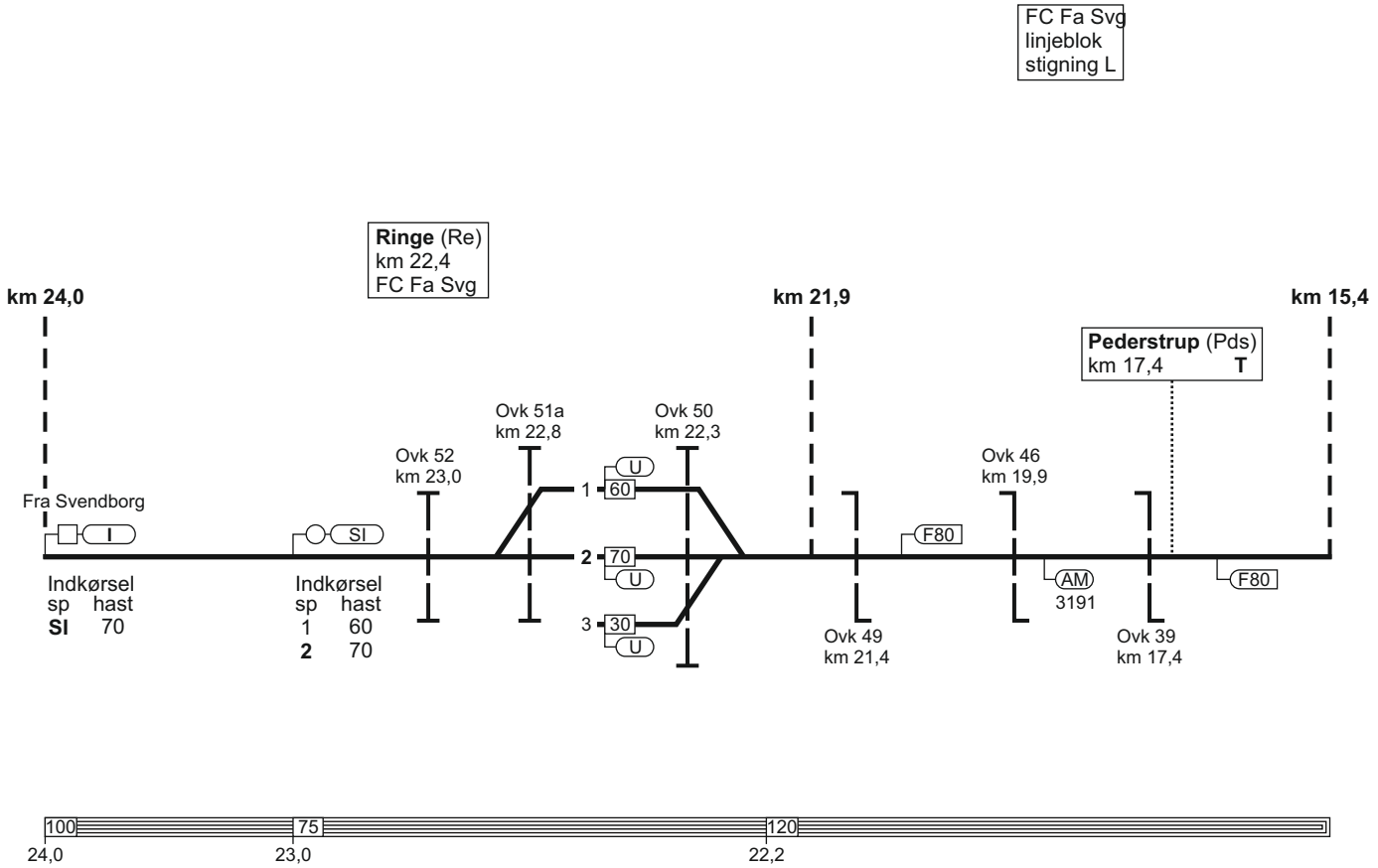


§) = overkørslerne har fælles overkørselssignal

21. Svendborg - Odense

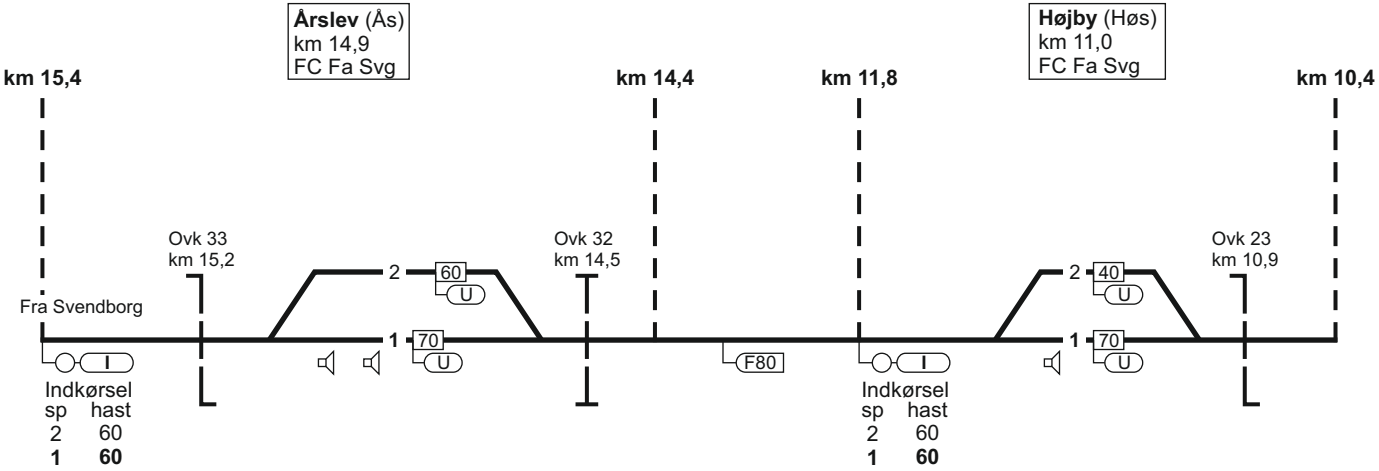


21. Svendborg - Odense

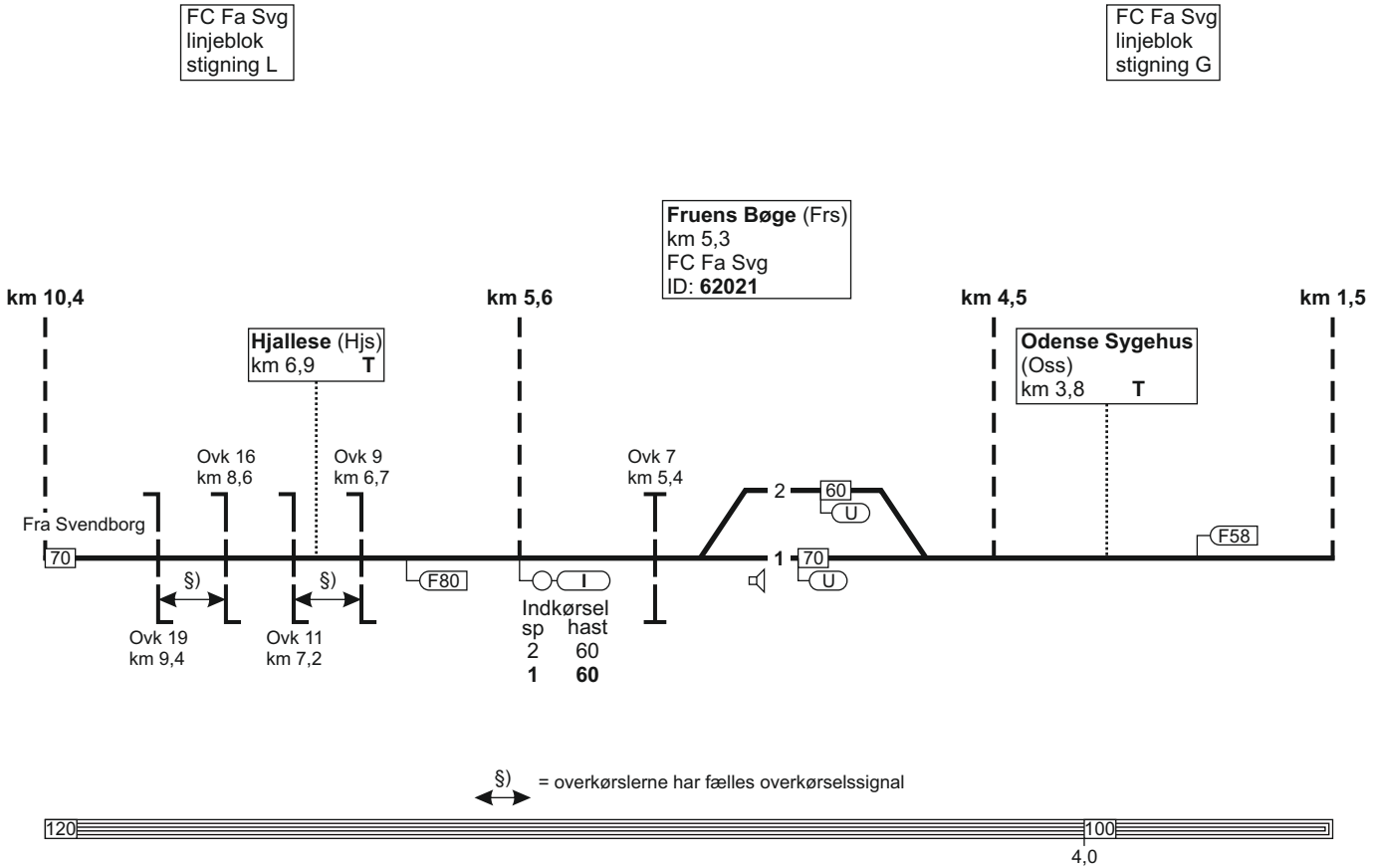


21. Svendborg - Odense

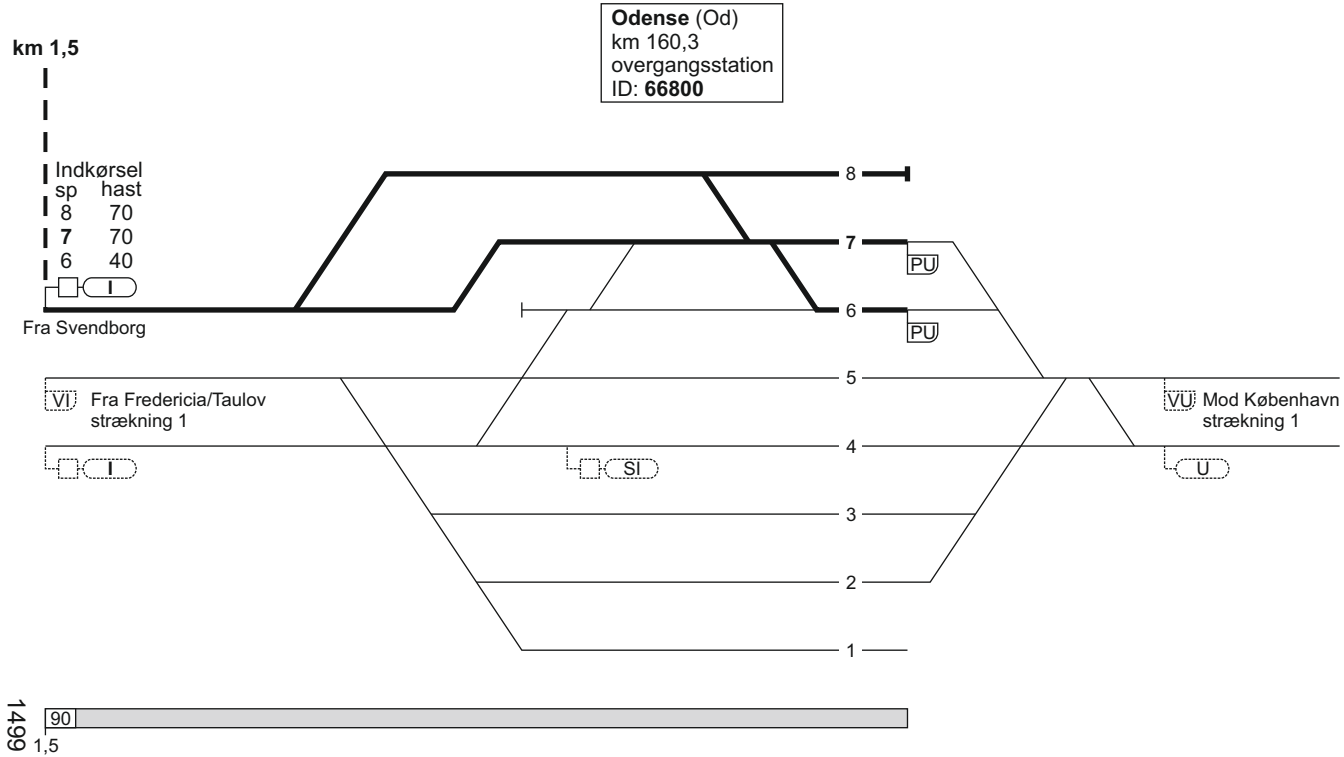
FC Fa Svg
linjeblok
stigning L



21. Svendborg - Odense



21. Svendborg - Odense



21. Odense - Svendborg

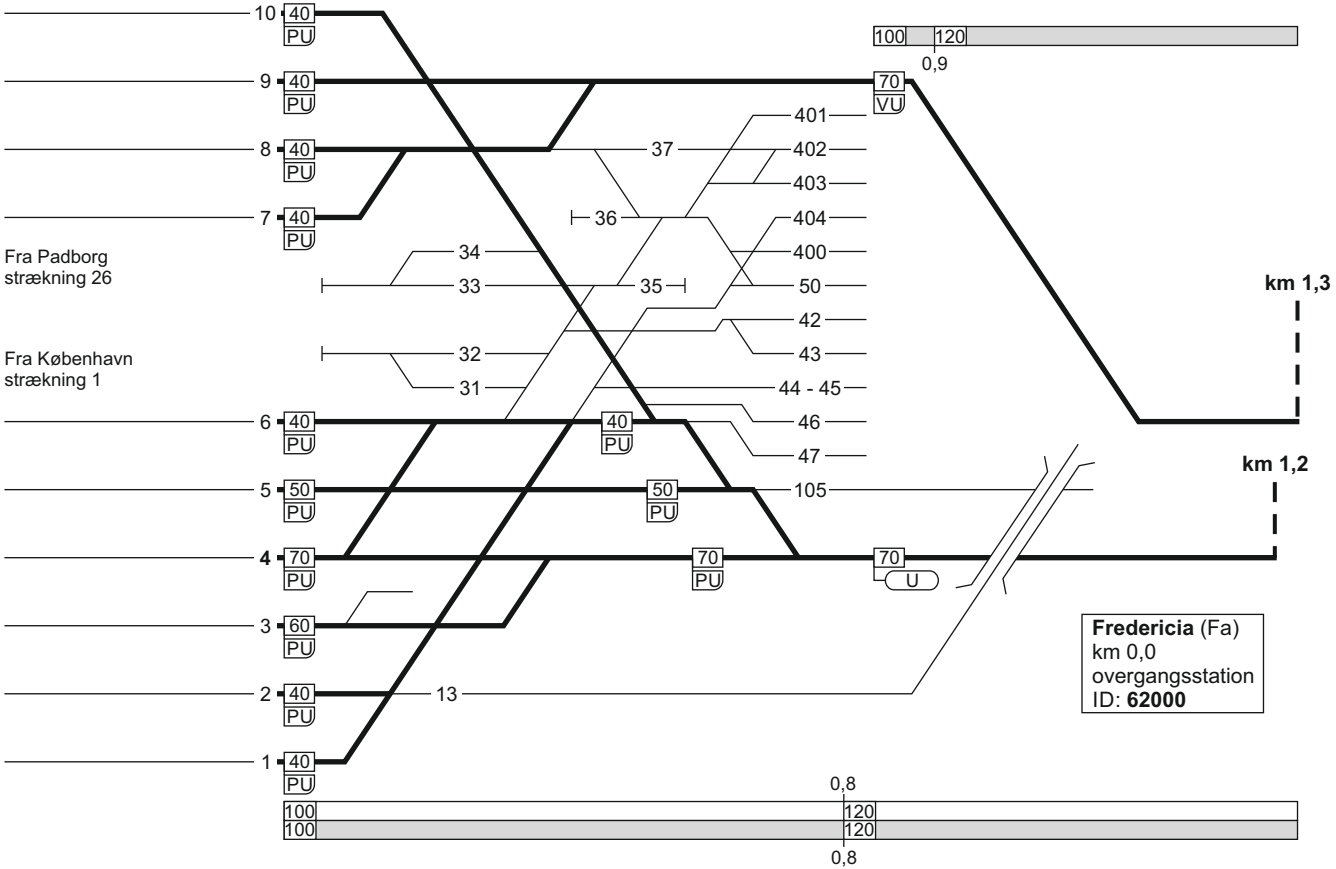
Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Odense				**Kmp:** 82 20 11 11 eller 82 20 11 57 GSM-R: 81 99 12 68
Fredericia				**FC:** Od (ekskl.) - Svg 82 27 25 12 GSM-R: 81 99 12 22

23. Fredericia - Aarhus H

Strækningshastighed:

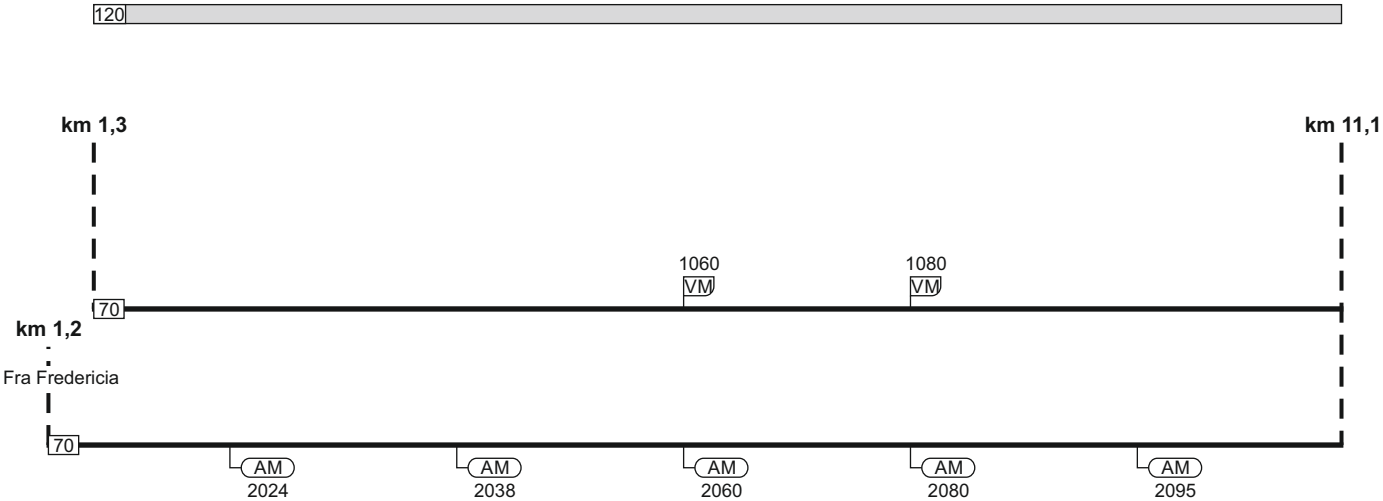
Delstrækning	Strækningshastighed (km/t)
Fredericia - Vejle	160
Vejle - Horsens	180
Horsens - Aarhus H	160

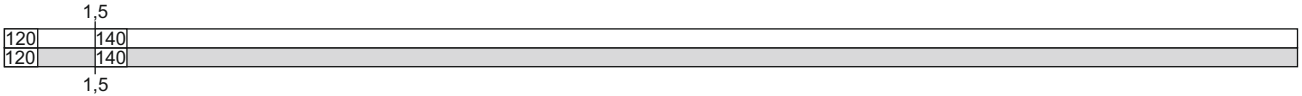
23. Fredericia - Aarhus H



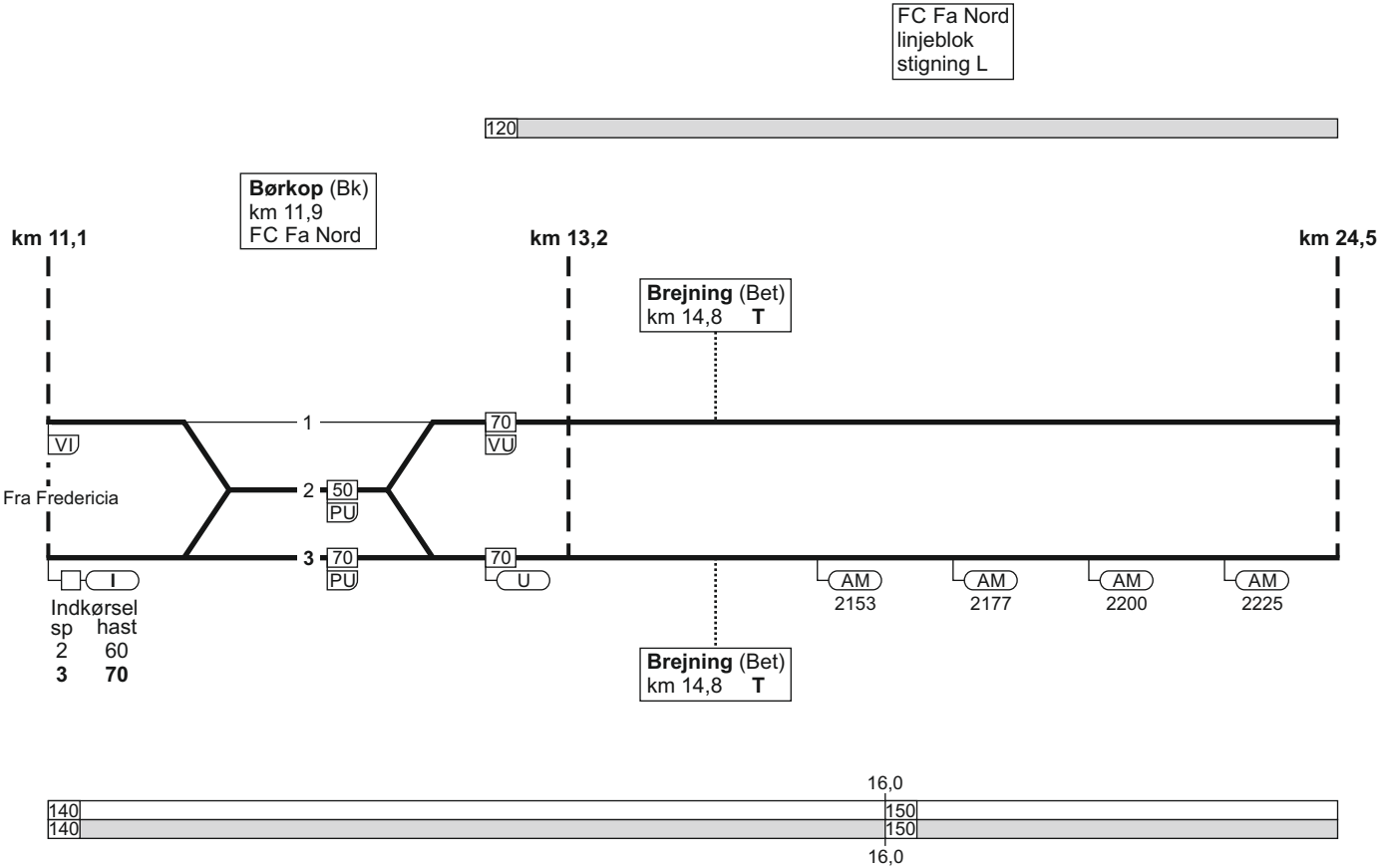
23. Fredericia - Aarhus H

FC Fa Nord
linjeblok
stigning H



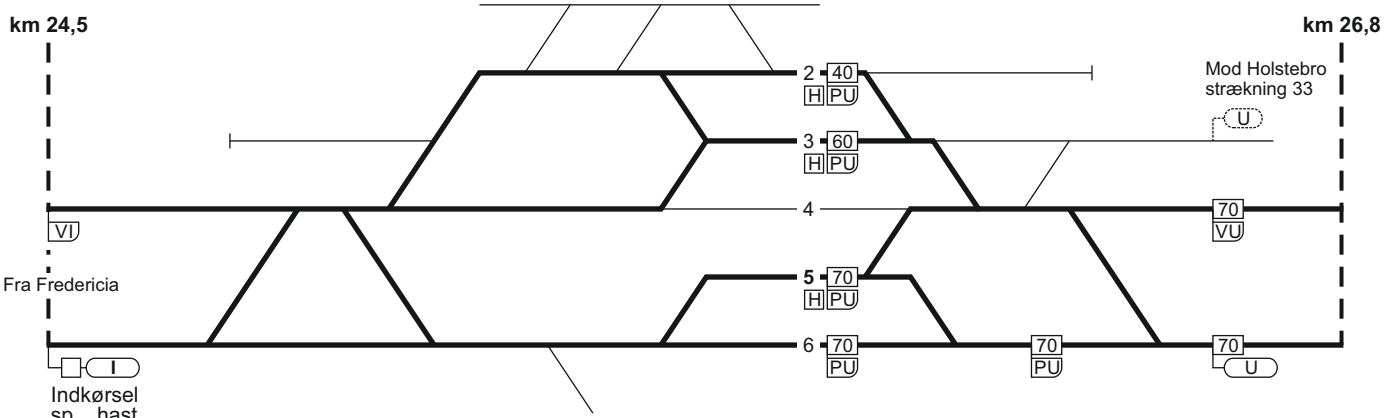


23. Fredericia - Aarhus H



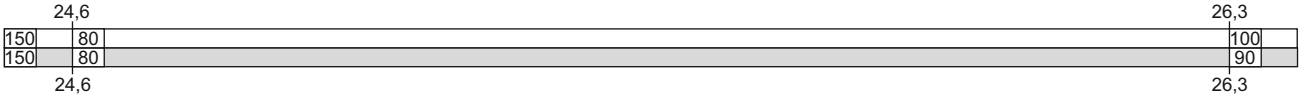
23. Fredericia - Aarhus H

Vejle (Vj) km 25,7
overgangsstation
FC Fa Nord
ID: **67700**

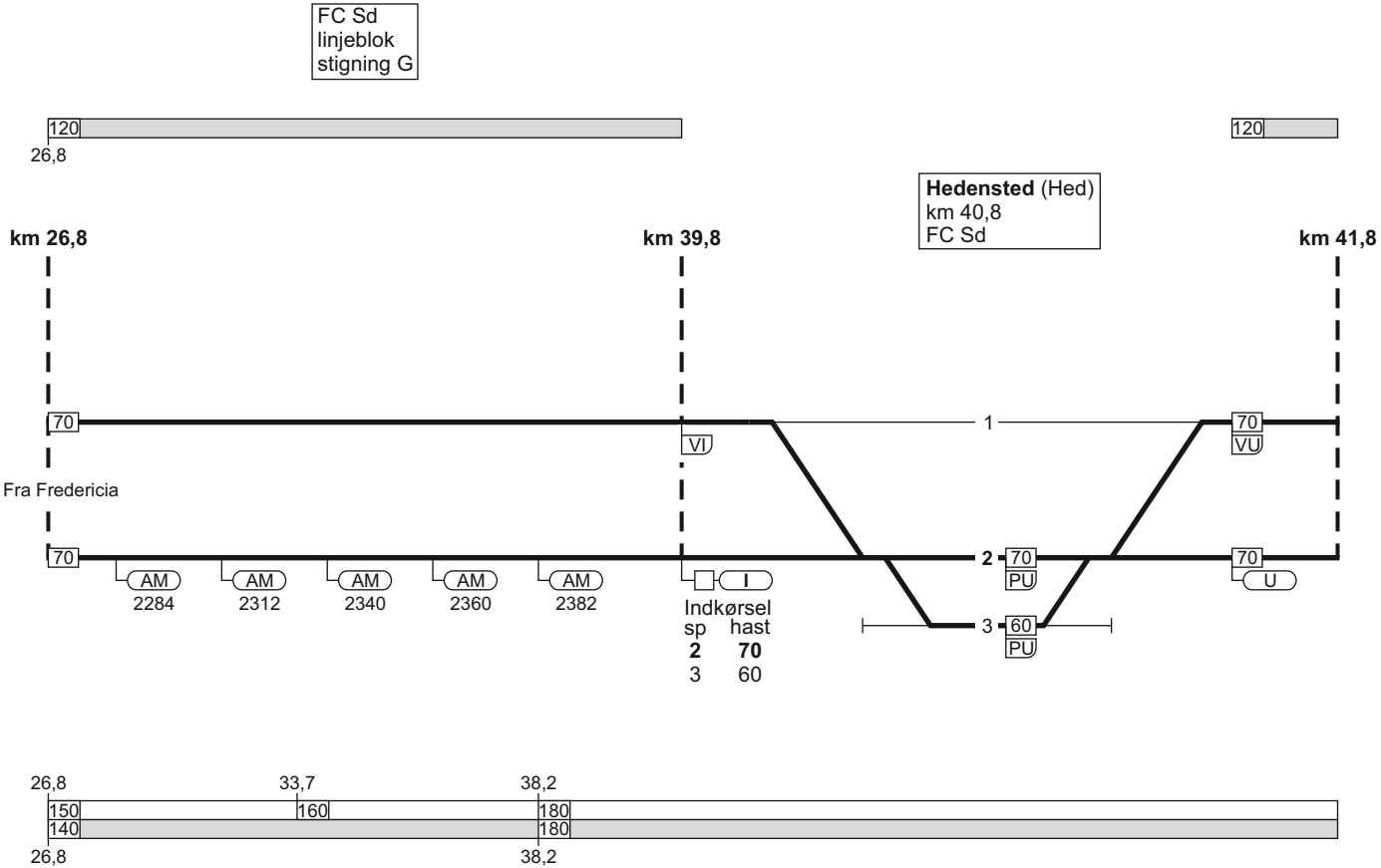


Indkørsel

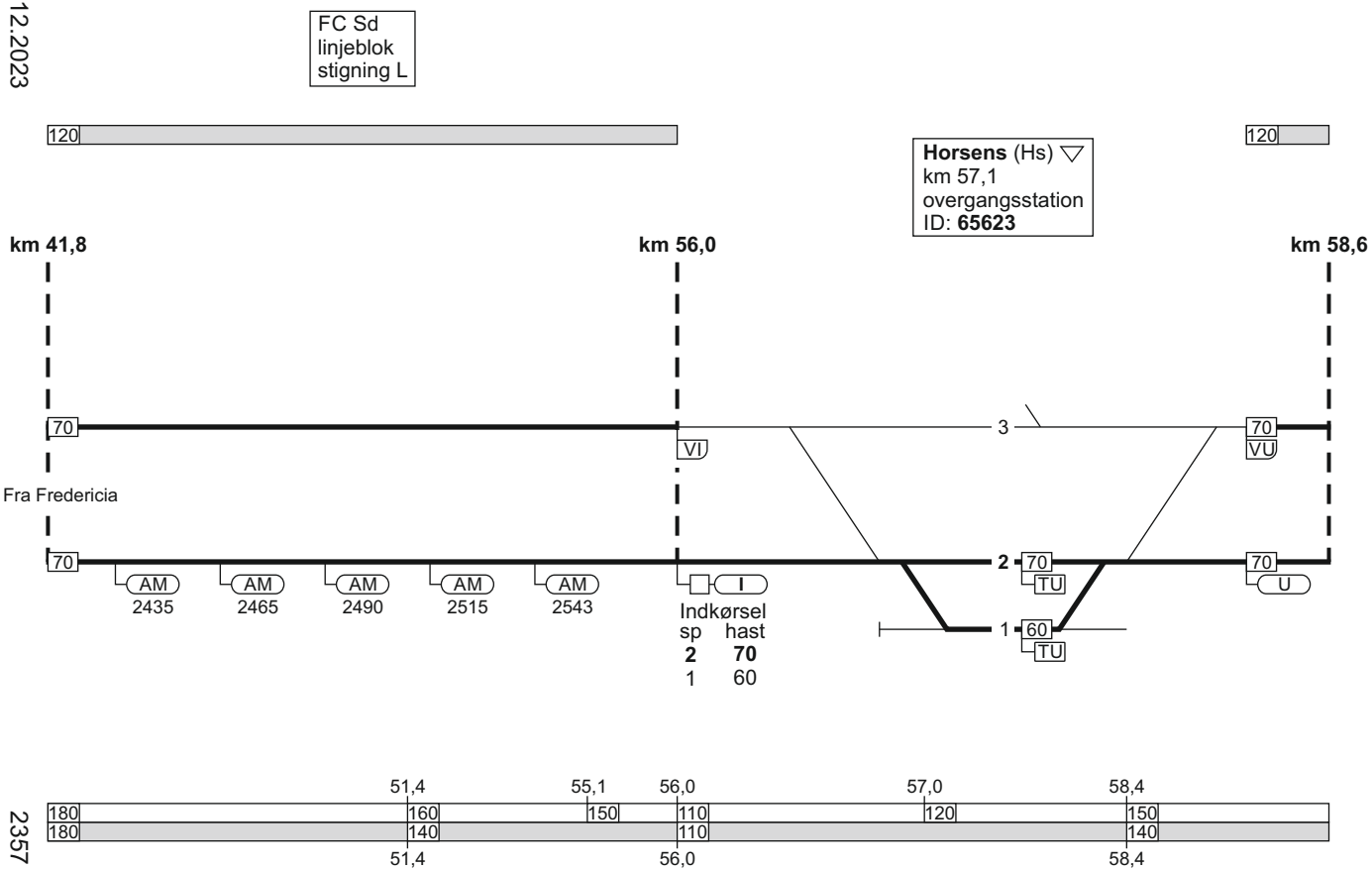
sp	hast
2	40
3	60
5	70
6	**70**



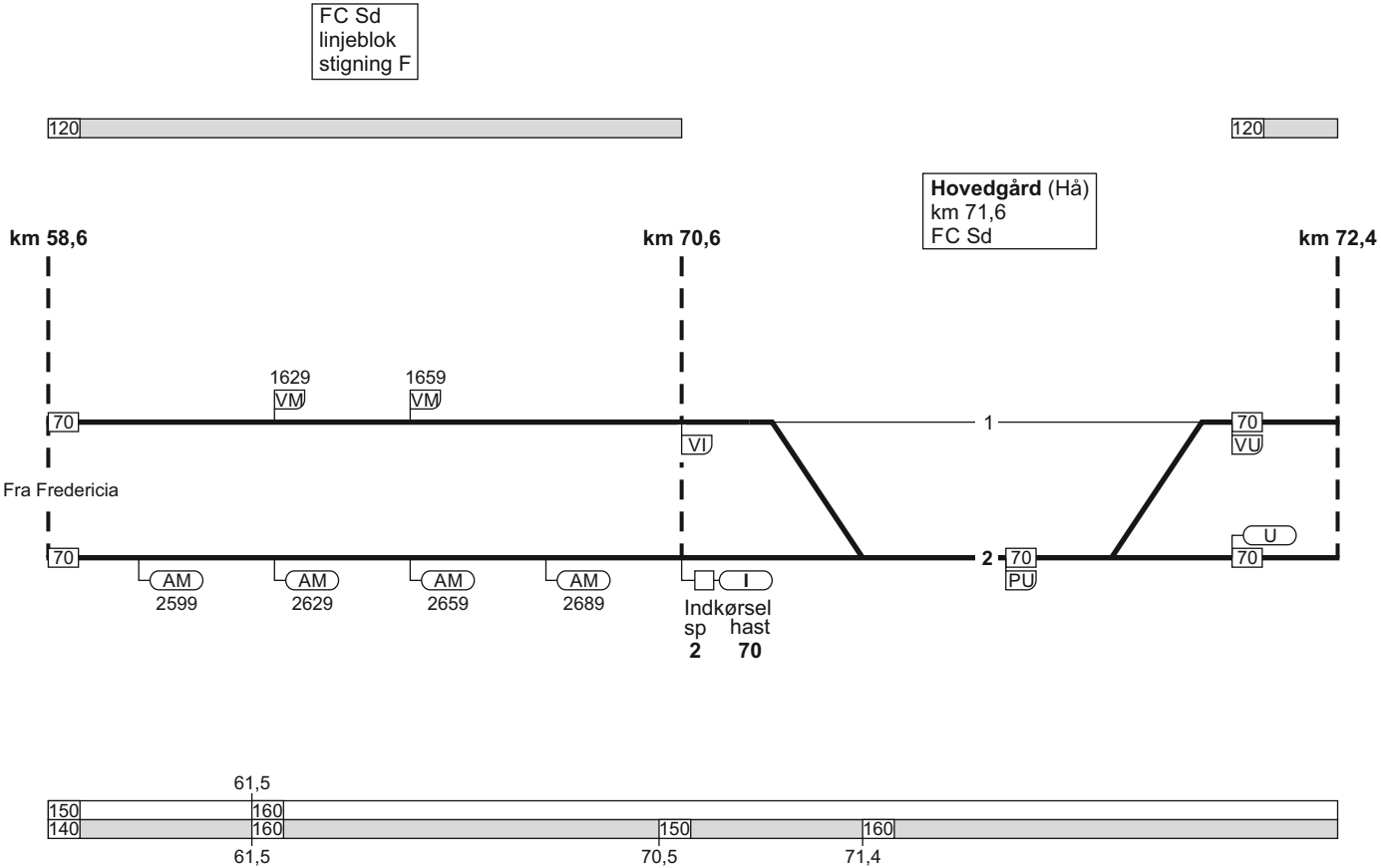
23. Fredericia - Aarhus H



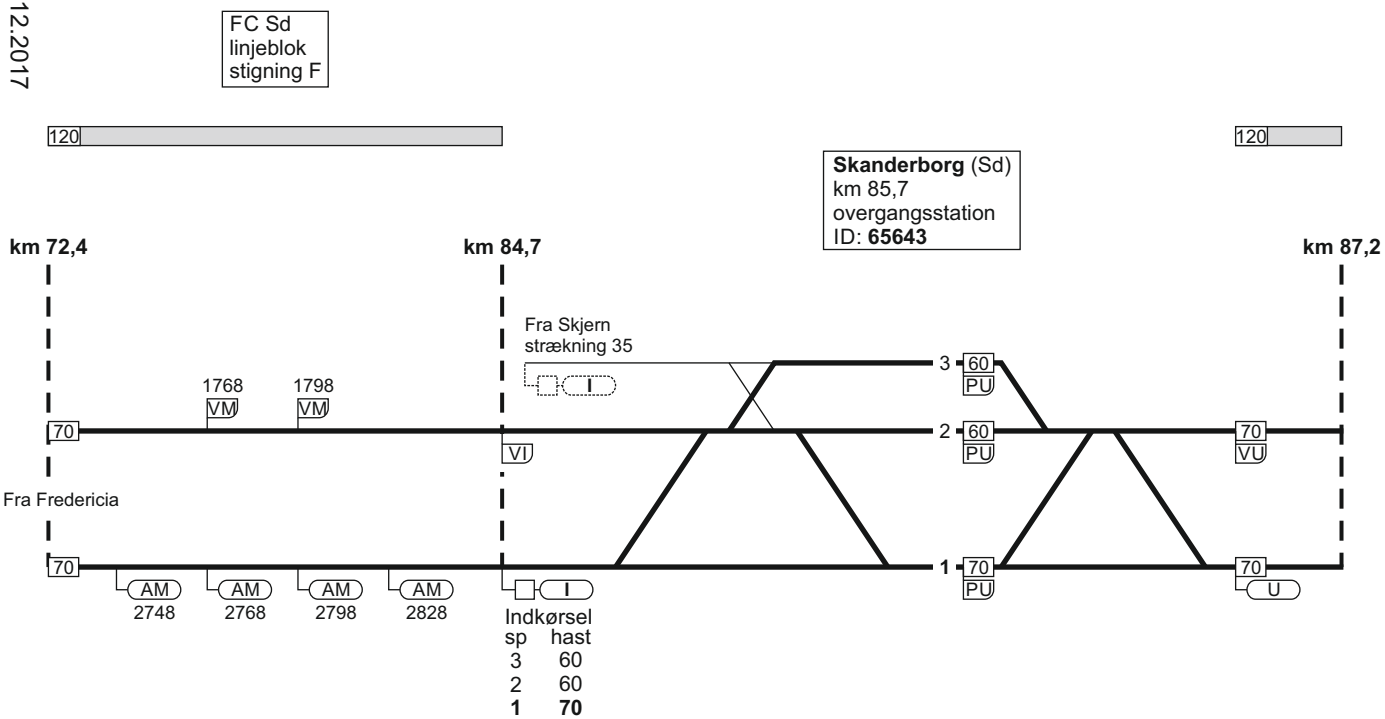
23. Fredericia - Aarhus H

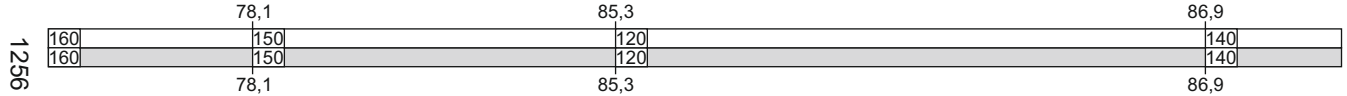


23. Fredericia - Aarhus H

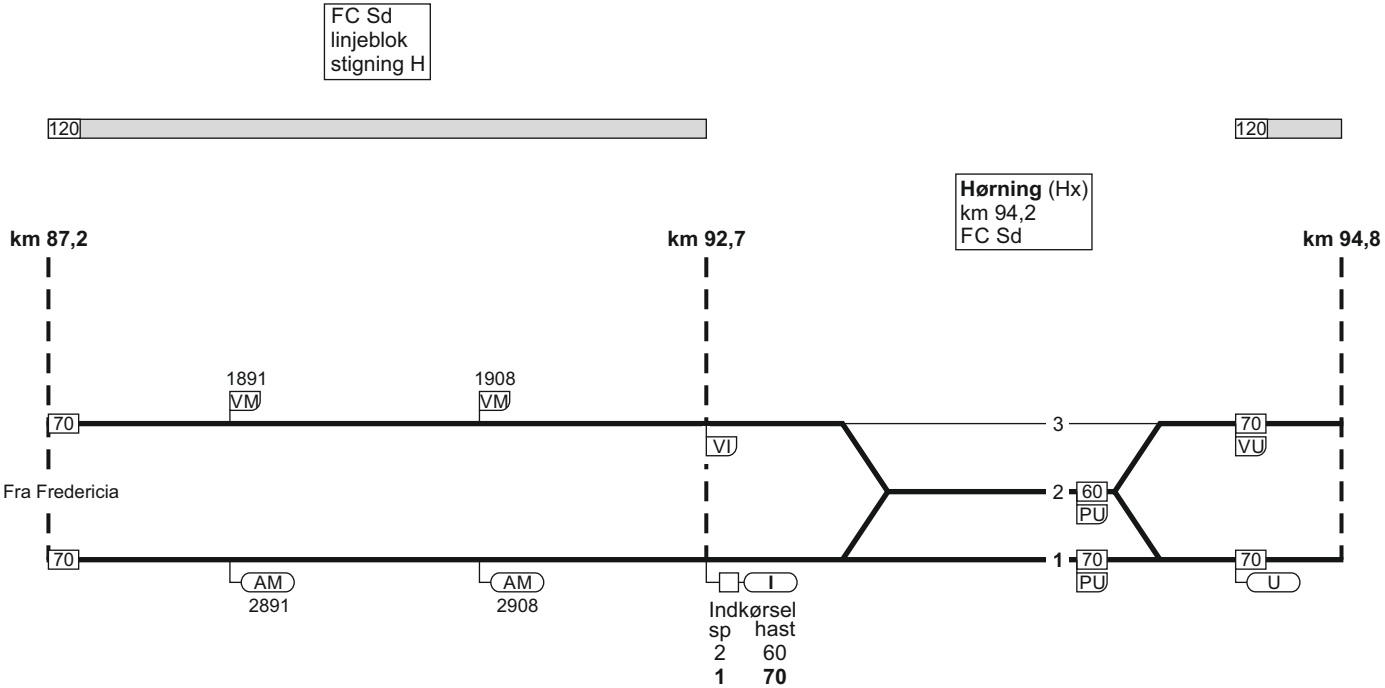


23. Fredericia - Aarhus H

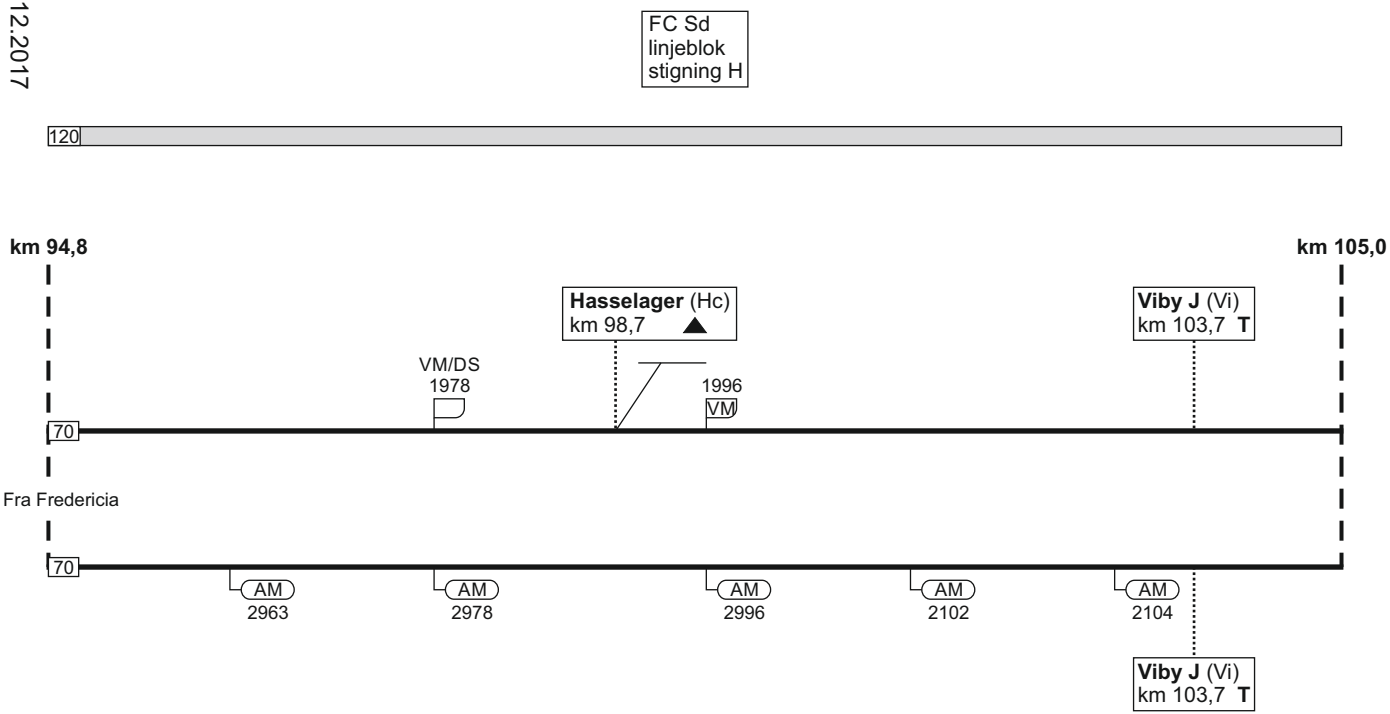




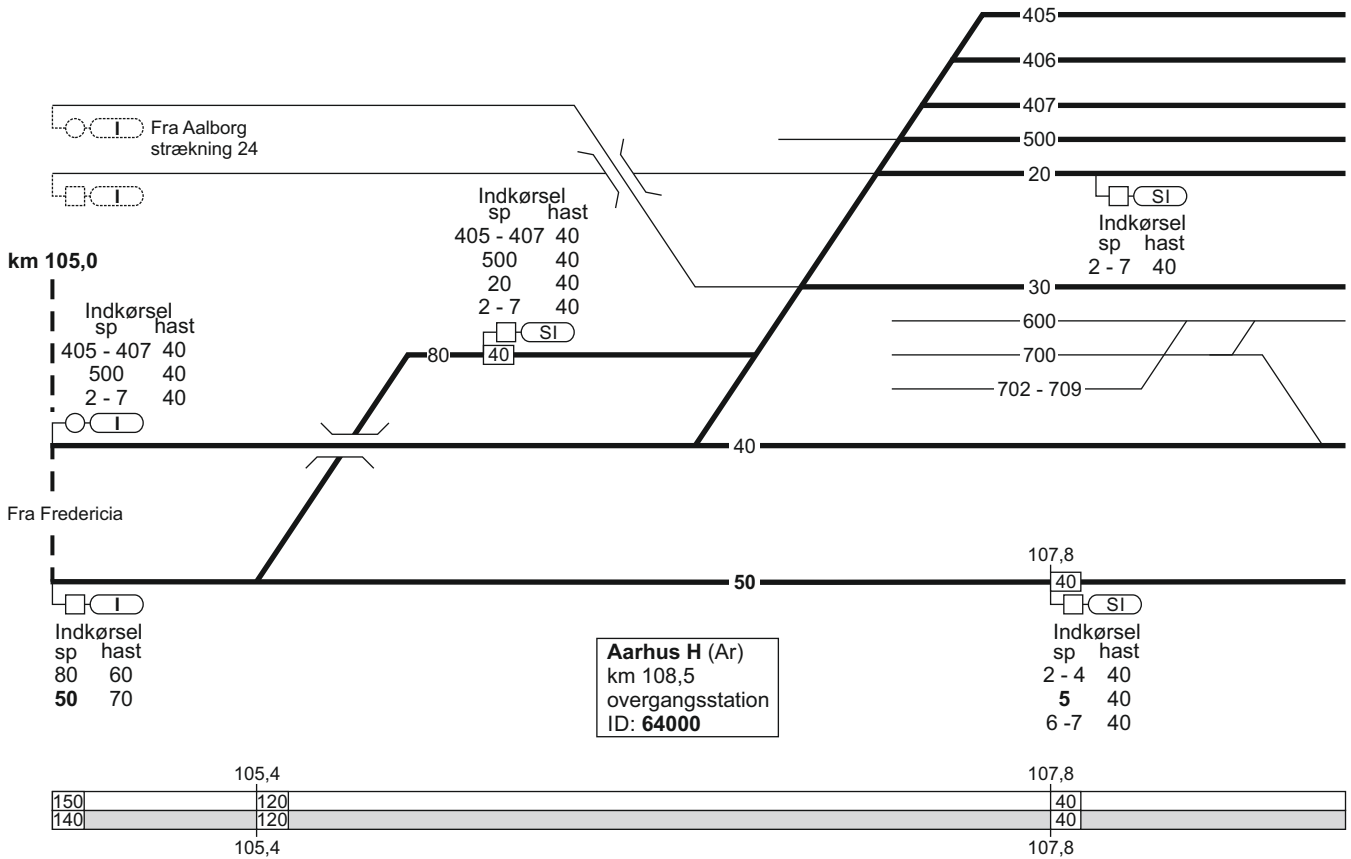
23. Fredericia - Aarhus H



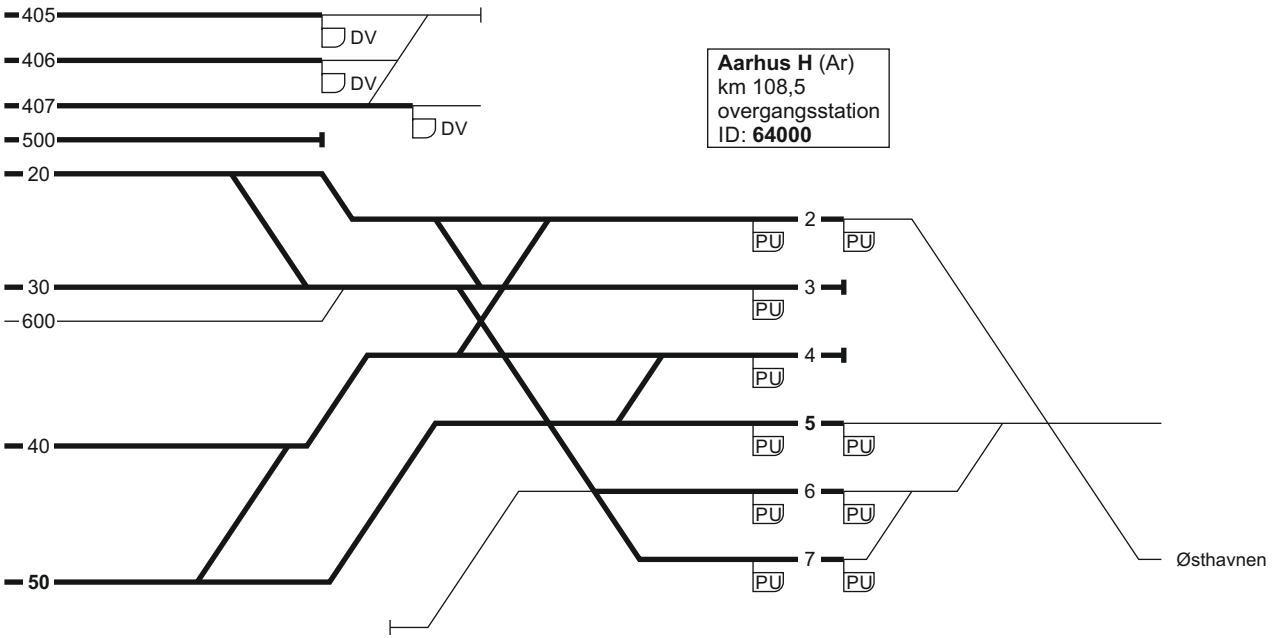
23. Fredericia - Aarhus H

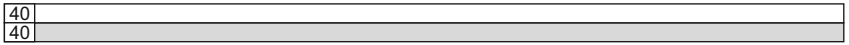


23. Fredericia - Aarhus H

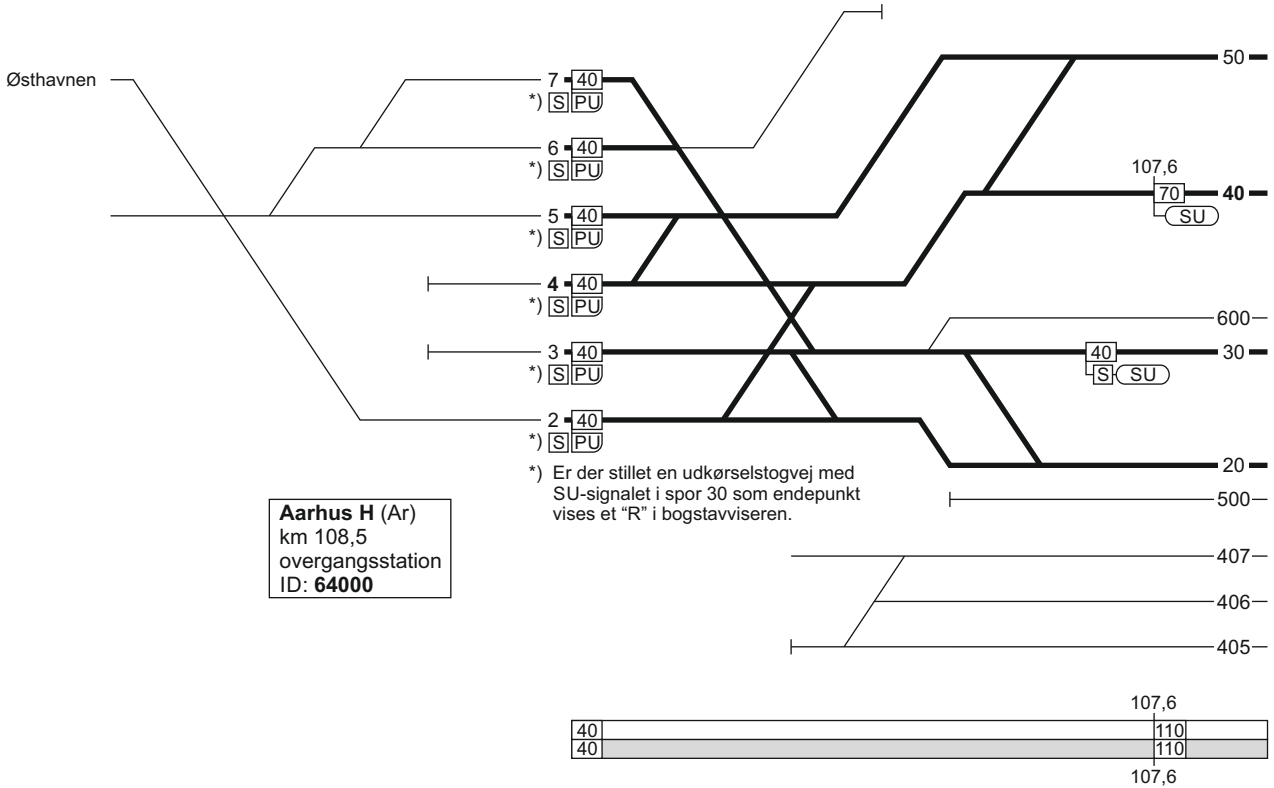


23. Fredericia - Aarhus H





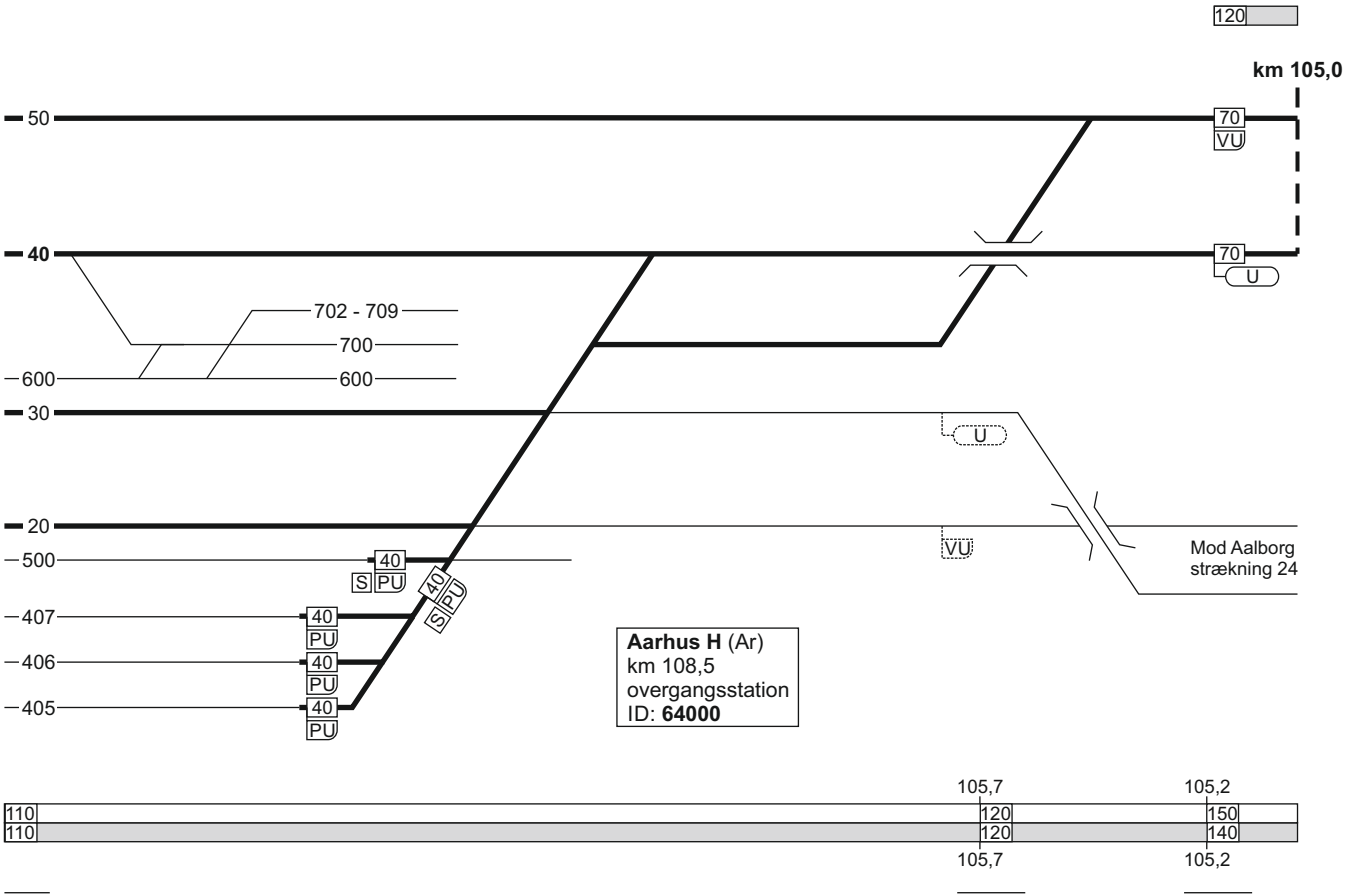
23. Aarhus H - Fredericia



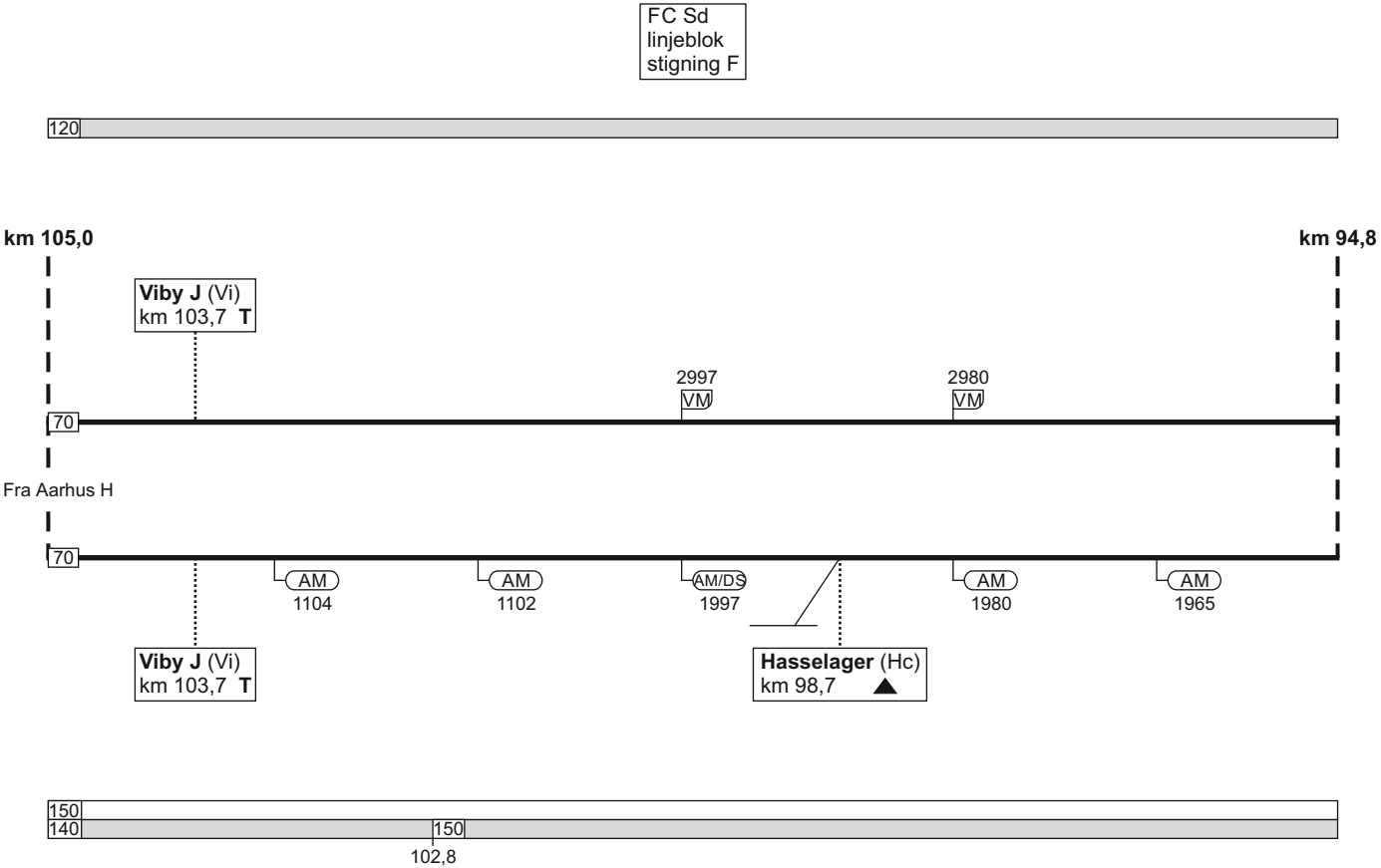
*) Er der stillet en udkørselstogvej med SU-signalet i spor 30 som endepunkt vises et "R" i bogstavviseren.

Aarhus H (Ar)
km 108,5
overgangsstation
ID: **64000**

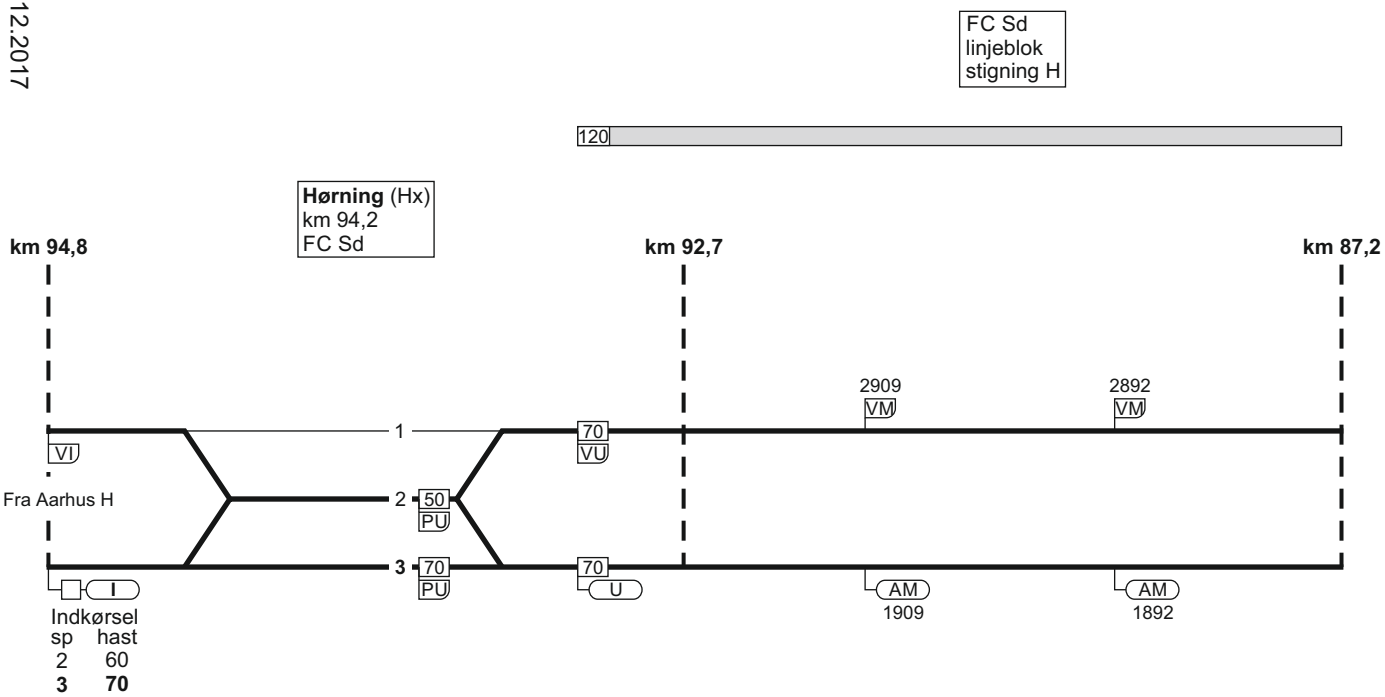
23. Aarhus H - Fredericia

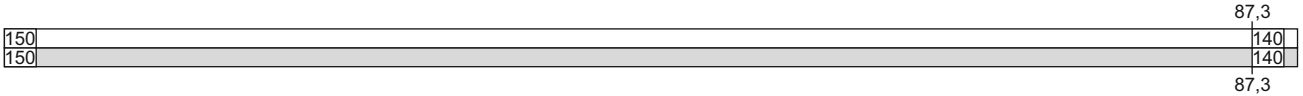


23. Aarhus H - Fredericia

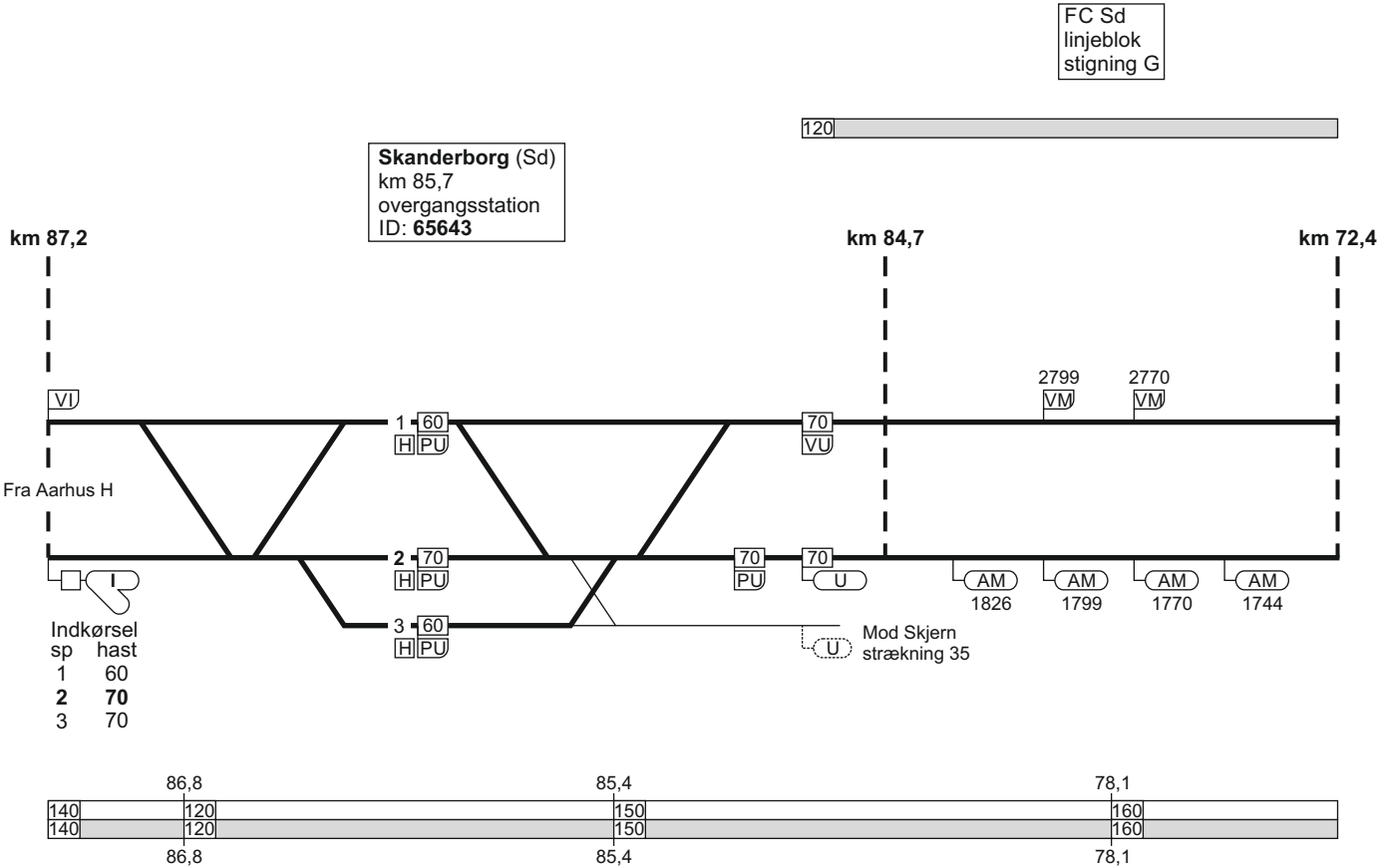


23. Aarhus H - Fredericia

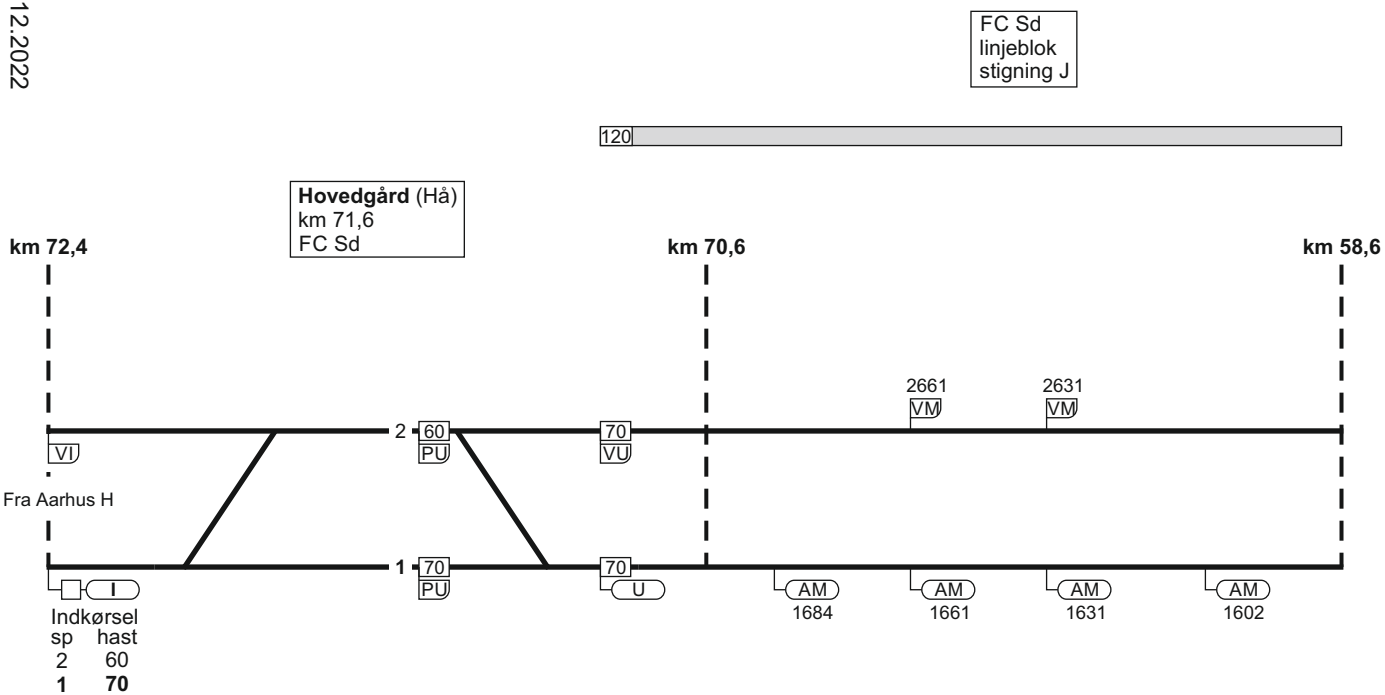


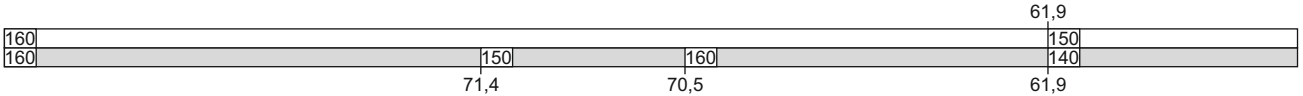


23. Aarhus H - Fredericia

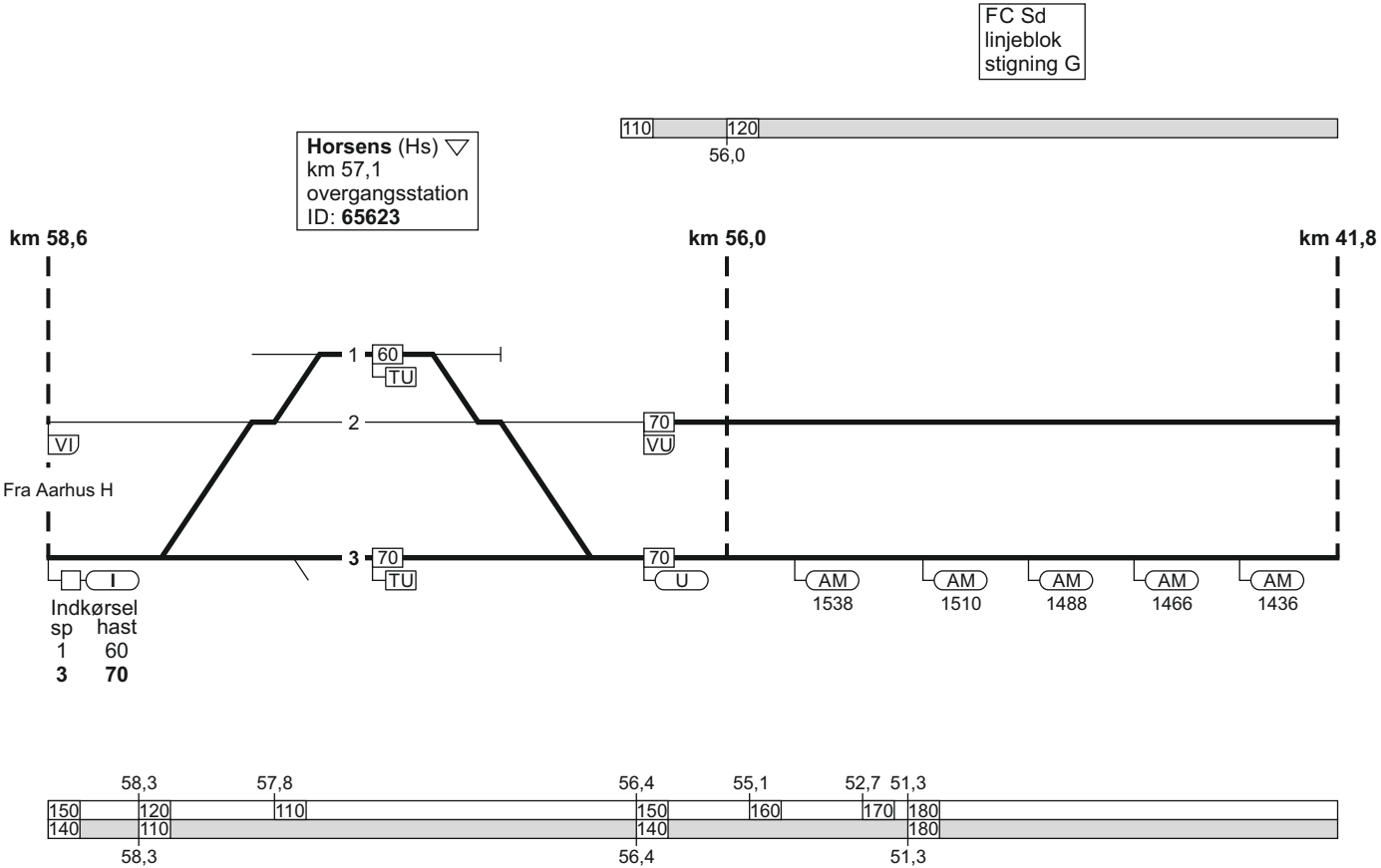


23. Aarhus H - Fredericia

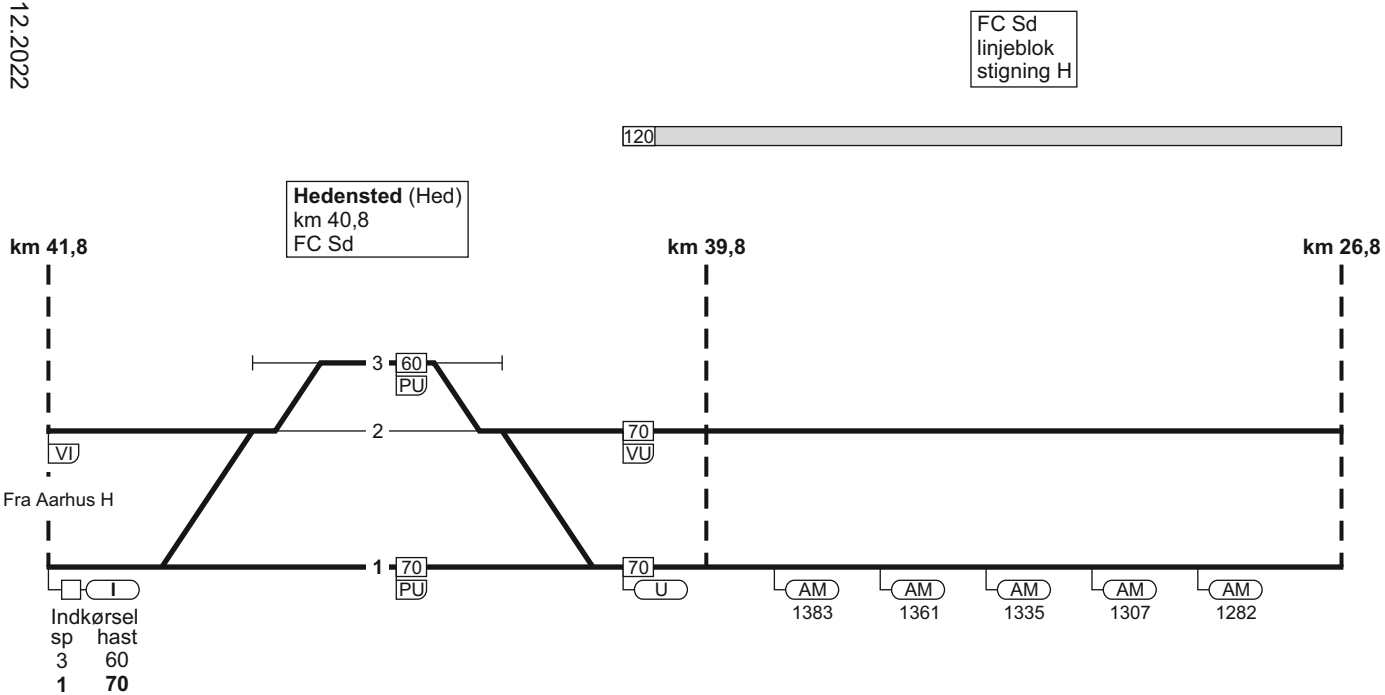


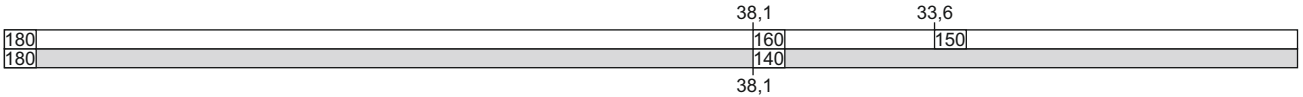


23. Aarhus H - Fredericia

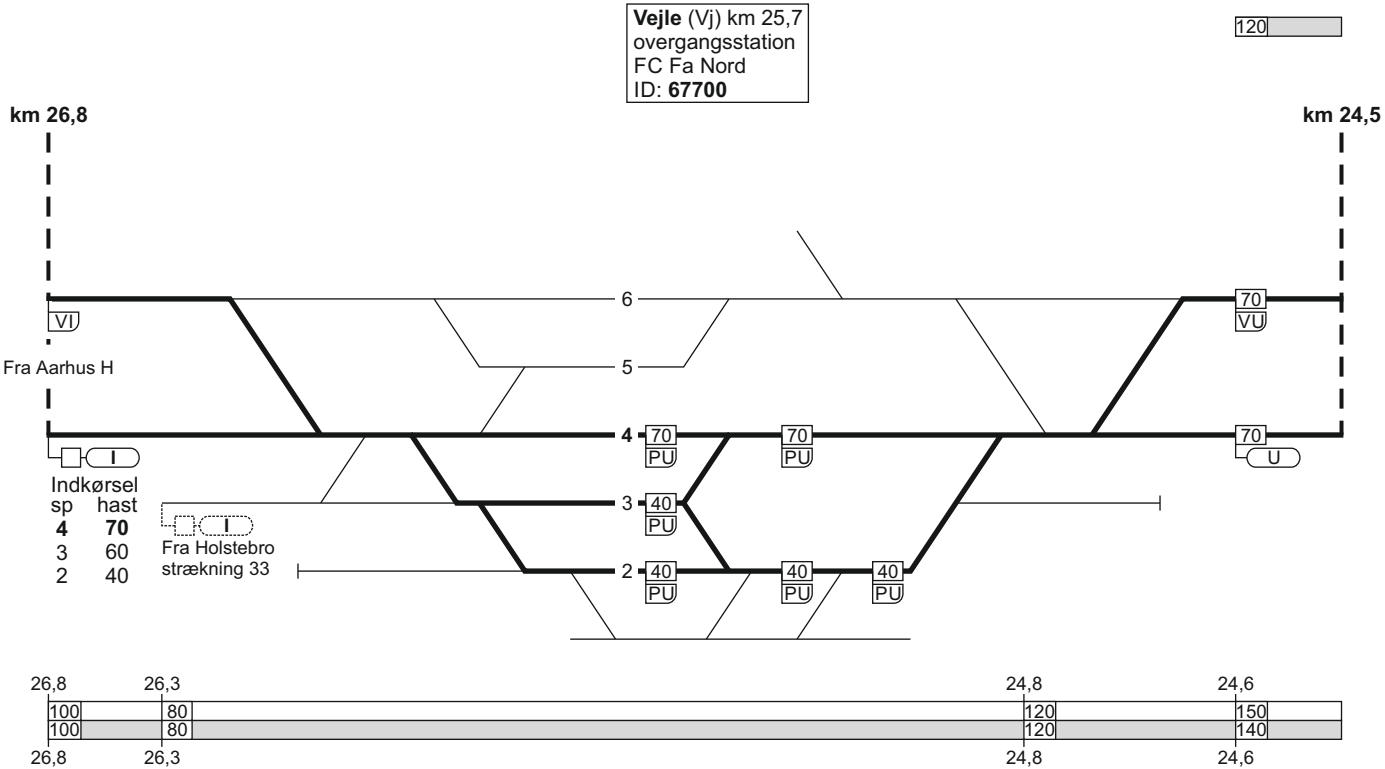


23. Aarhus H - Fredericia

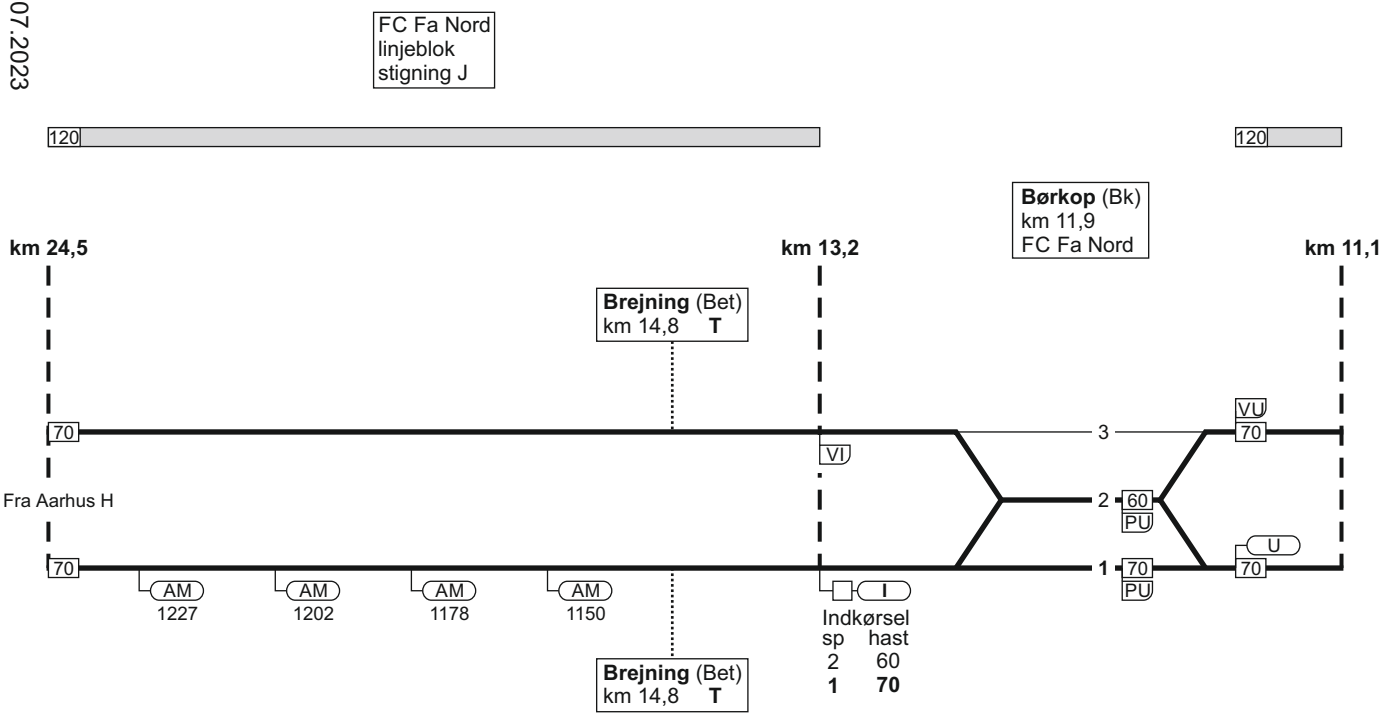


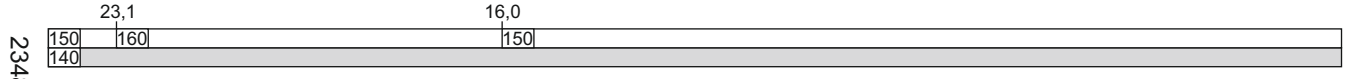


23. Aarhus H - Fredericia



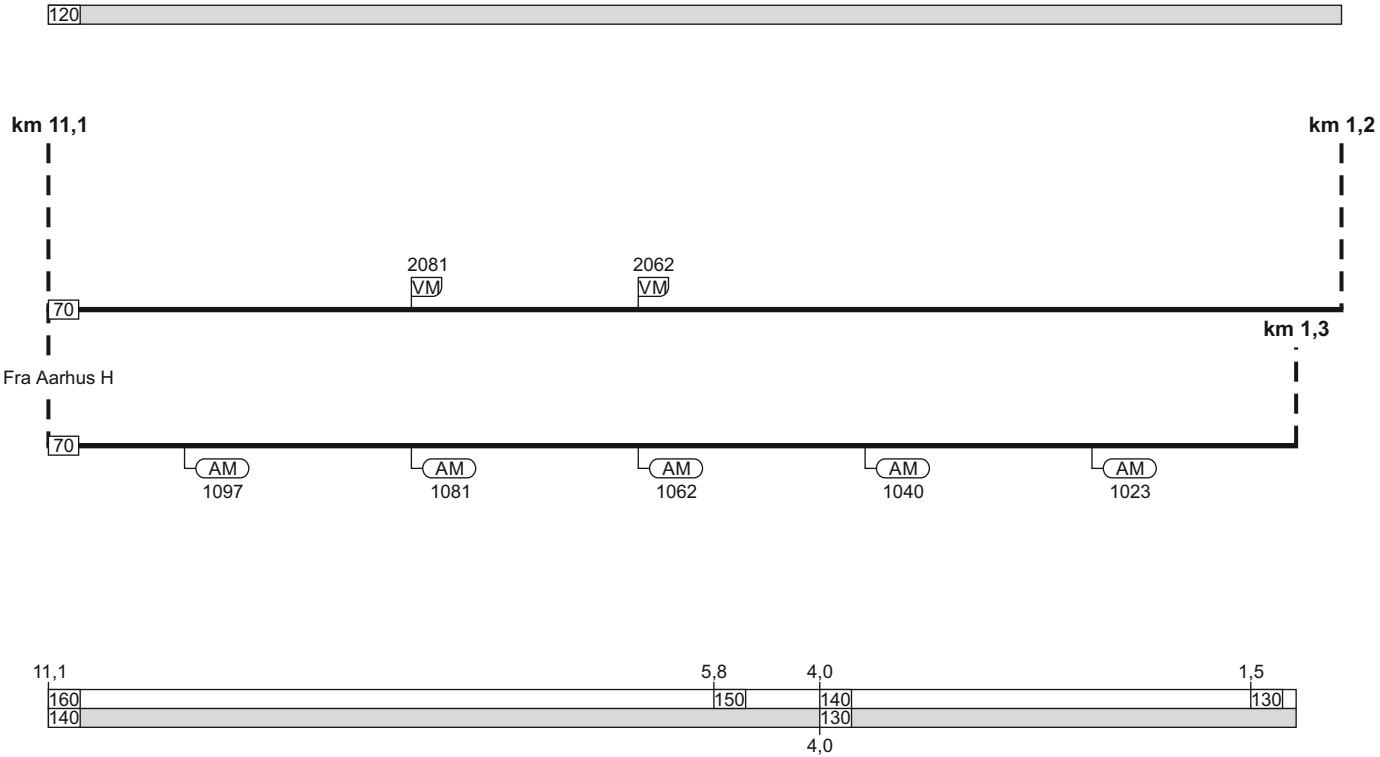
23. Aarhus H - Fredericia



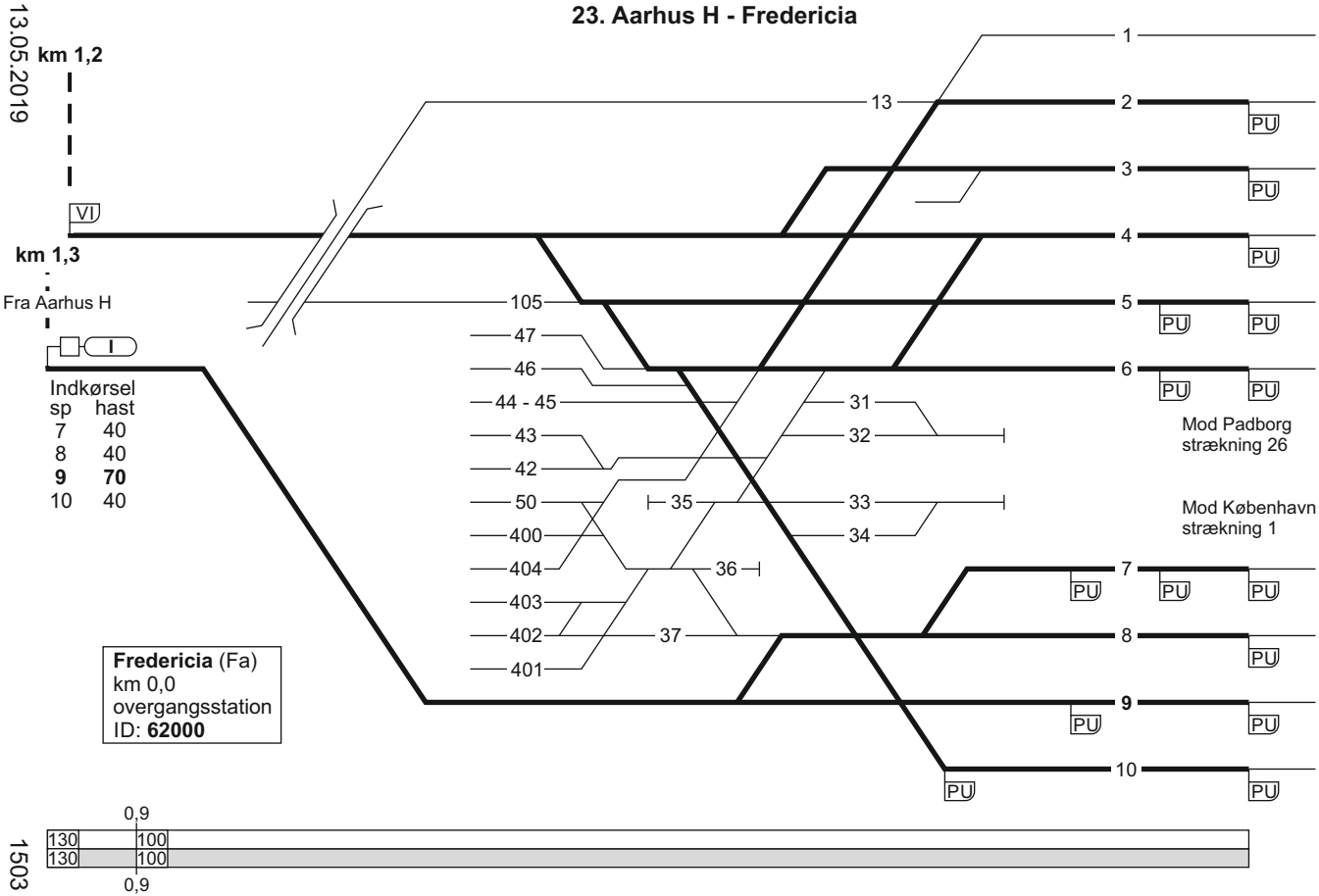


23. Aarhus H - Fredericia

FC Fa Nord
linjeblok
stigning H



23. Aarhus H - Fredericia



23. Fredericia - Aarhus H

Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Fredericia			**Ved indkørsel fra Børkop for MF-tog, som skal sammenkobles i spor 10:** Først ankommende togdel skal standse ud for standsningsmærke anbragt syd for perronhallen, til højre for sporet. G- og M-tog skal køre helt frem til togvejens endepunkt.	**Kmp:** 82 27 23 05 GSM-R: 81 99 12 20 **FC:** Fa - Vj 82 27 24 32 GSM-R: Fa (ekskl.) - Vj (ekskl.) 81 99 12 23
Vejle				GSM-R: 81 99 12 77

Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Horsens	**Hele døgnet:** Ikke fjernstyret togfølgestation (overgangs-station) med AG-drift uden stedlig stations-bestyrer	Tog og arbejds-køretøjer, der skal arbejde i Horsens ekspederes i spor 1.		**Kmp:** 82 10 16 21 Når Horsens ikke er fjernstyret togfølgestation (overgangsstation) med AG-drift uden stedlig stationsbestyrer, varetages stations-bestyrerens ansvar i FC Sd. **FC Sd:** 86 52 33 43 GSM-R: 81 99 12 56
Horsens			**Ved indkørsel fra Hovedgård:** Enmandsbetjente tog, fremført af DSB-personale, skal i spor 1 standse med førerpladsen ud for ITV-monitoren.	**Kmp:** 86 52 33 43 **FC:** Vj (ekskl.) - Ar (ekskl.) 86 52 33 43 GSM-R: 81 99 12 56

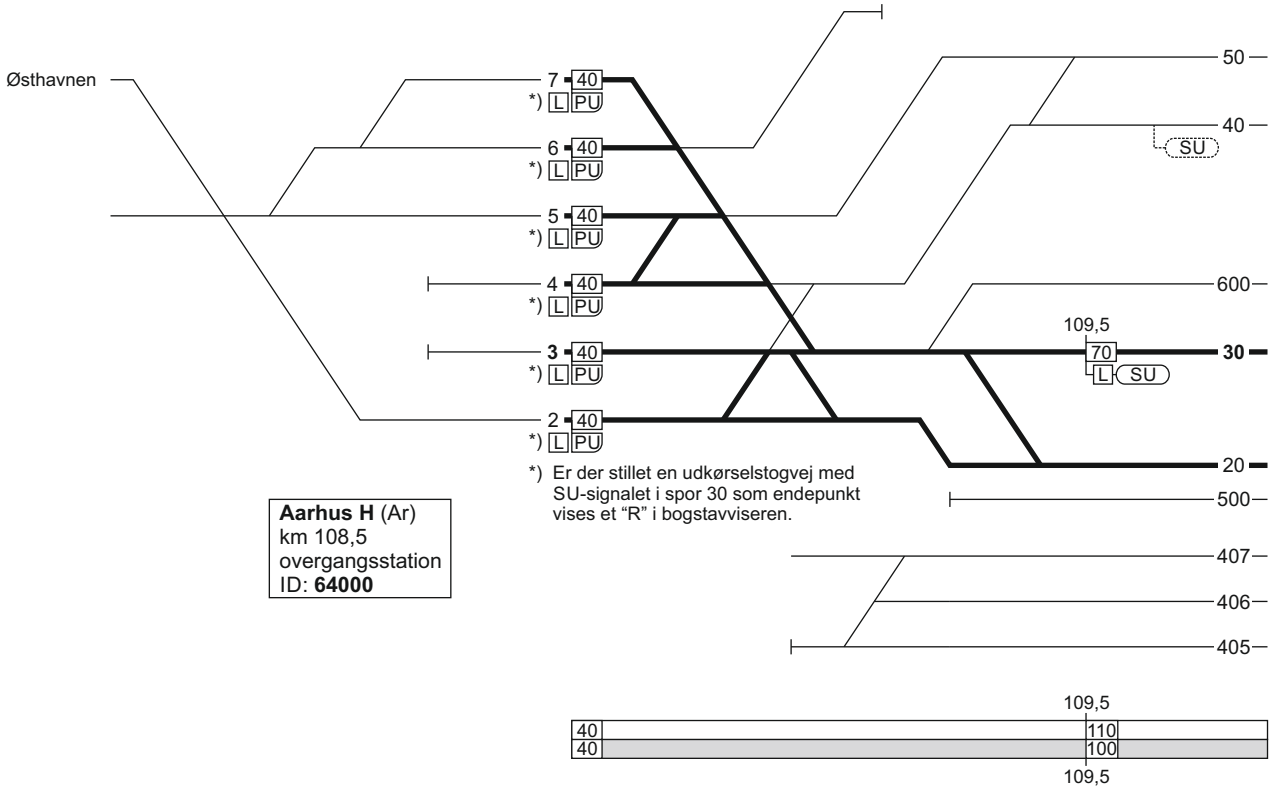
Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Aarhus H			**Følgende tog skal standse således:** Tog fremført af: - MF, MG og lok anvender standsningsmærke 17.18 - Øvrige materialetyper med førerpladsen ud for perrontrappe.	**Kmp:** 82 10 11 35 GSM-R: 81 99 12 40

24. Aarhus H - Aalborg

Strækningshastighed:

Delstrækning	Strækningshastighed (km/t)
Aarhus H - Hobro	180
Hobro - Aalborg	120

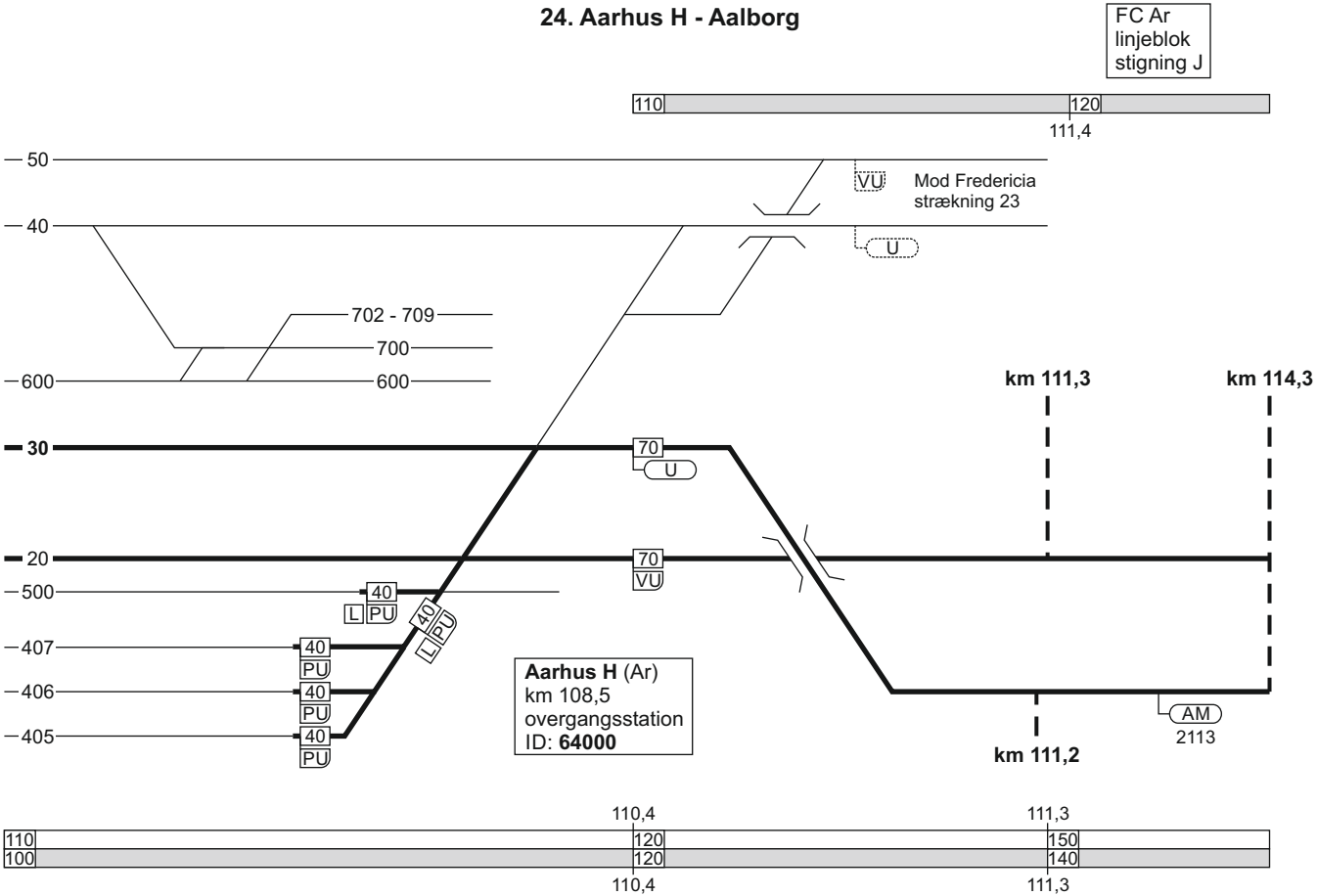
24. Aarhus H - Aalborg



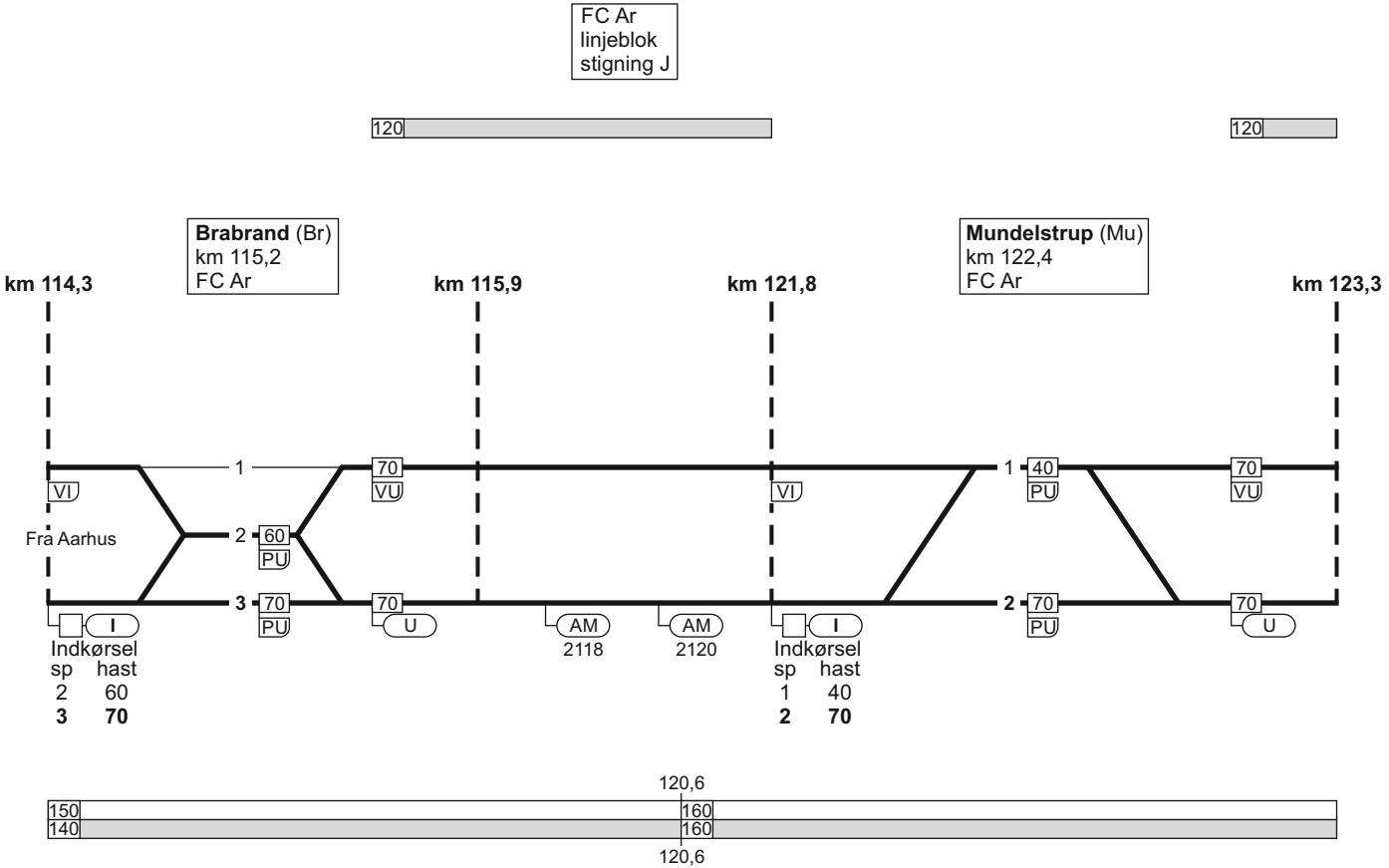
*) Er der stillet en udkørselstogvej med SU-signalet i spor 30 som endepunkt vises et "R" i bogstavviseren.

Aarhus H (Ar)
km 108,5
overgangsstation
ID: **64000**

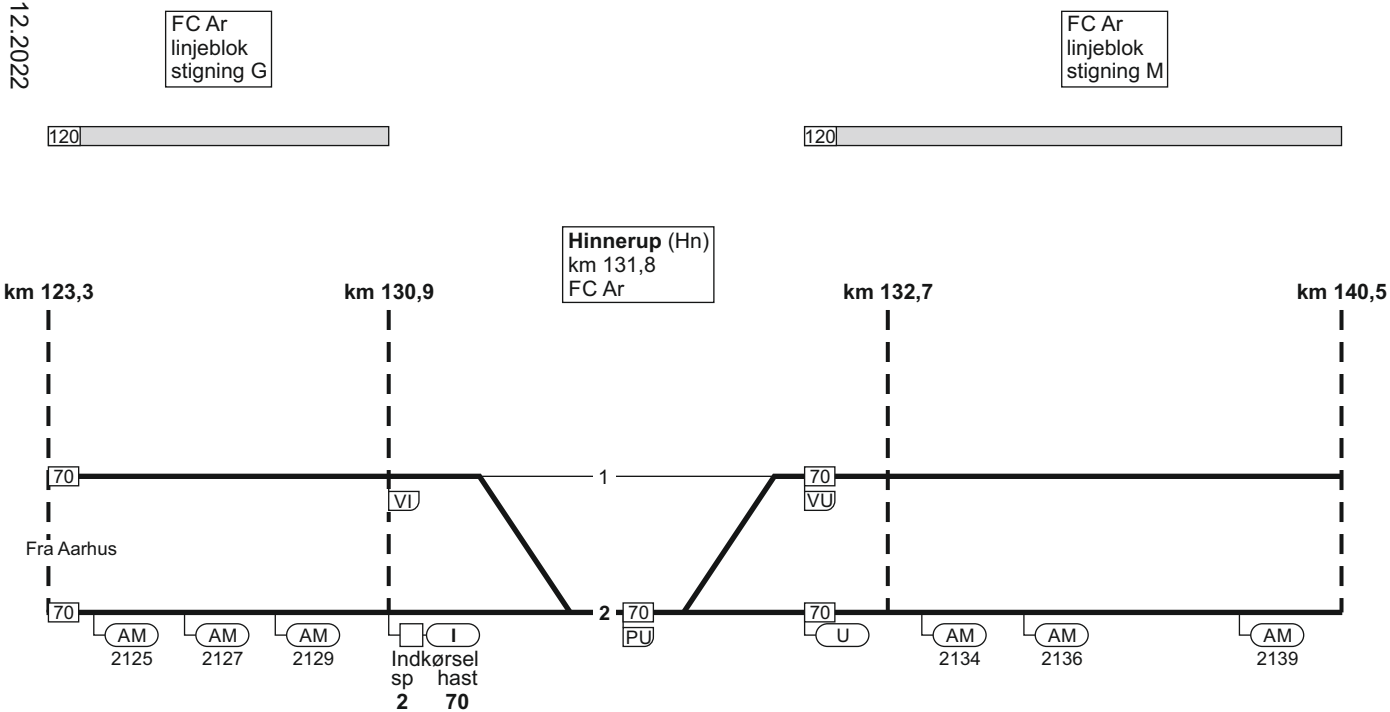
24. Aarhus H - Aalborg

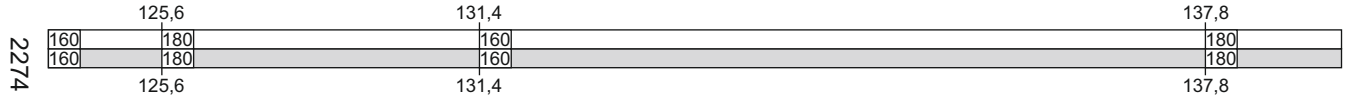


24. Aarhus H - Aalborg

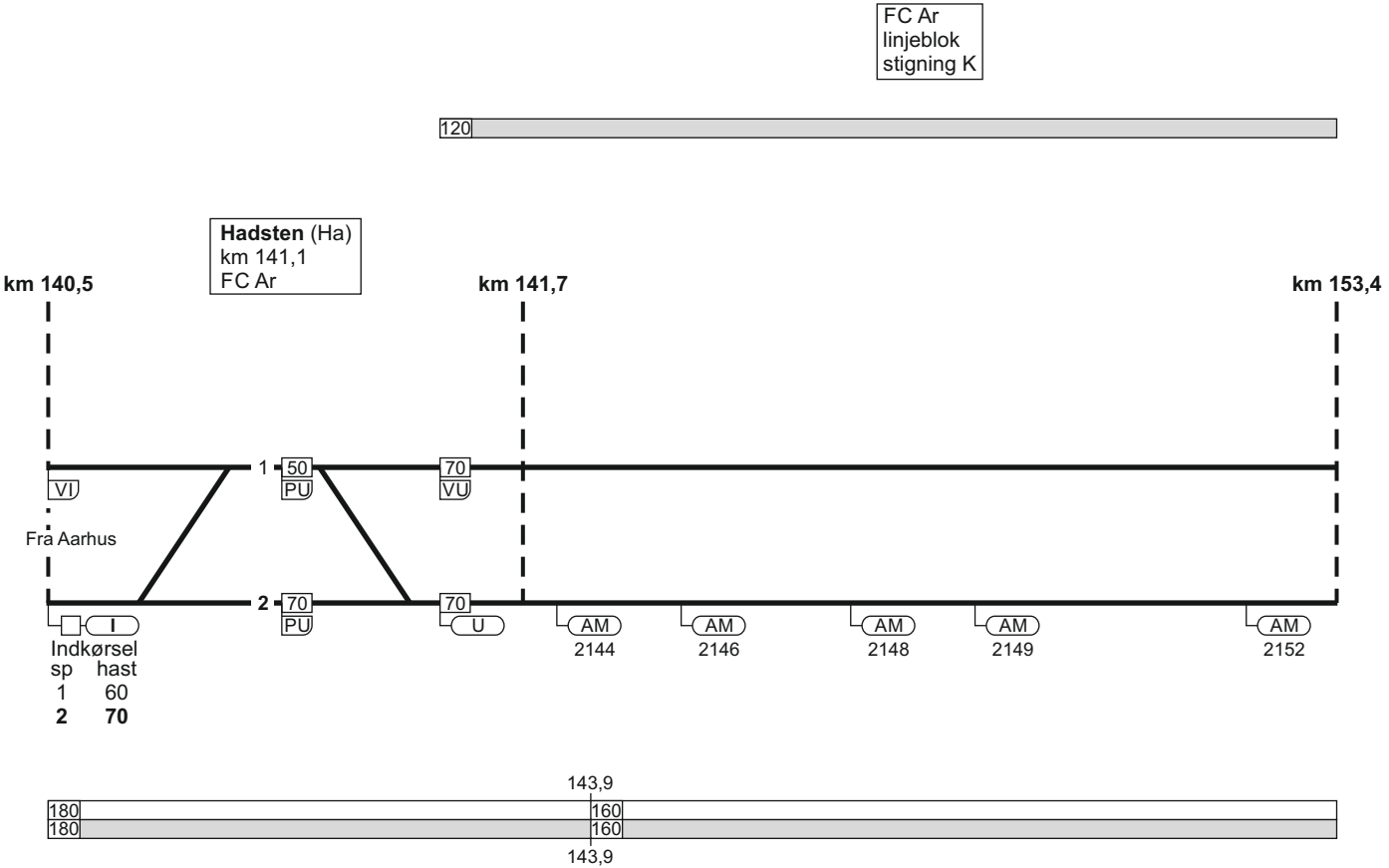


24. Aarhus H - Aalborg

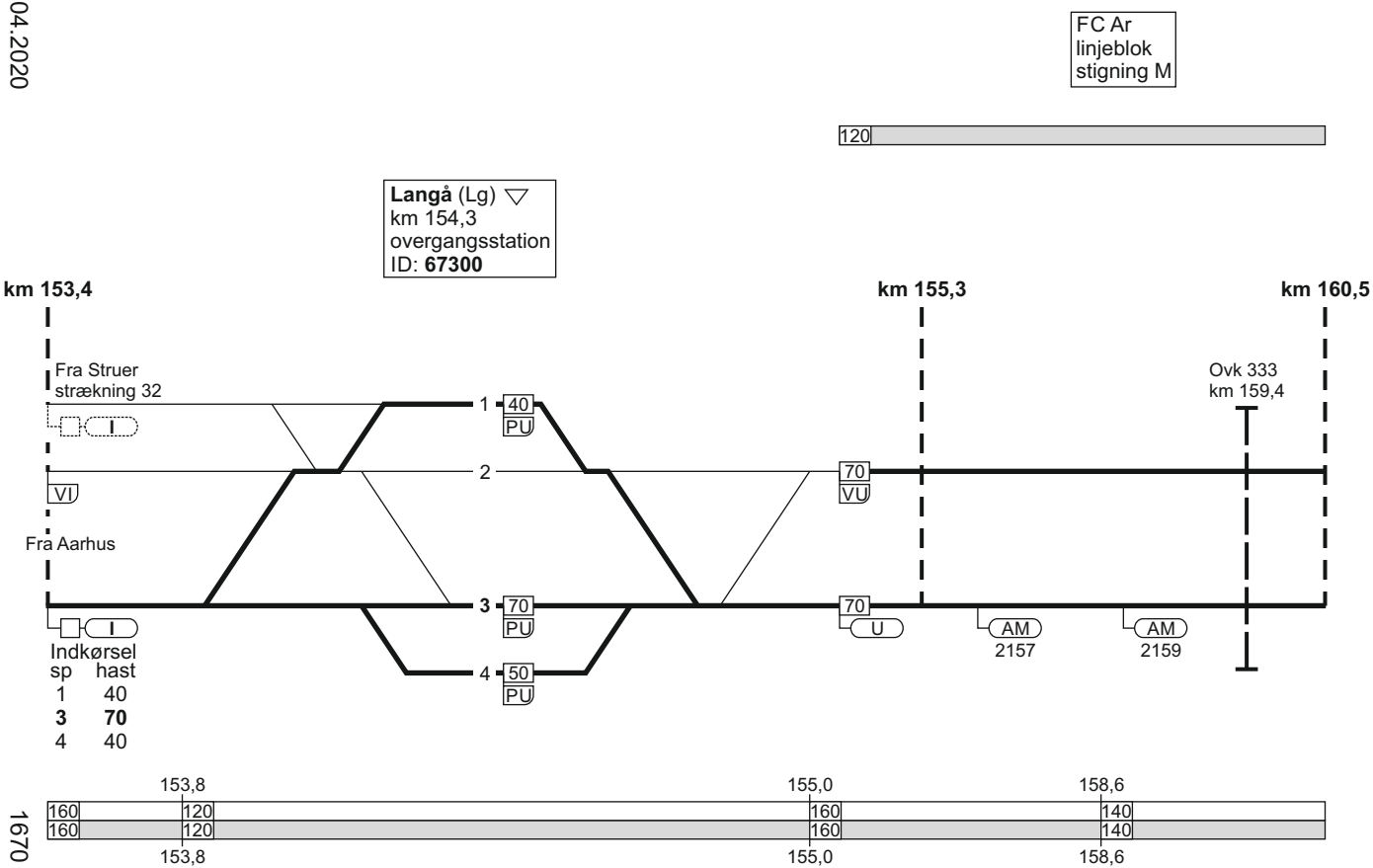




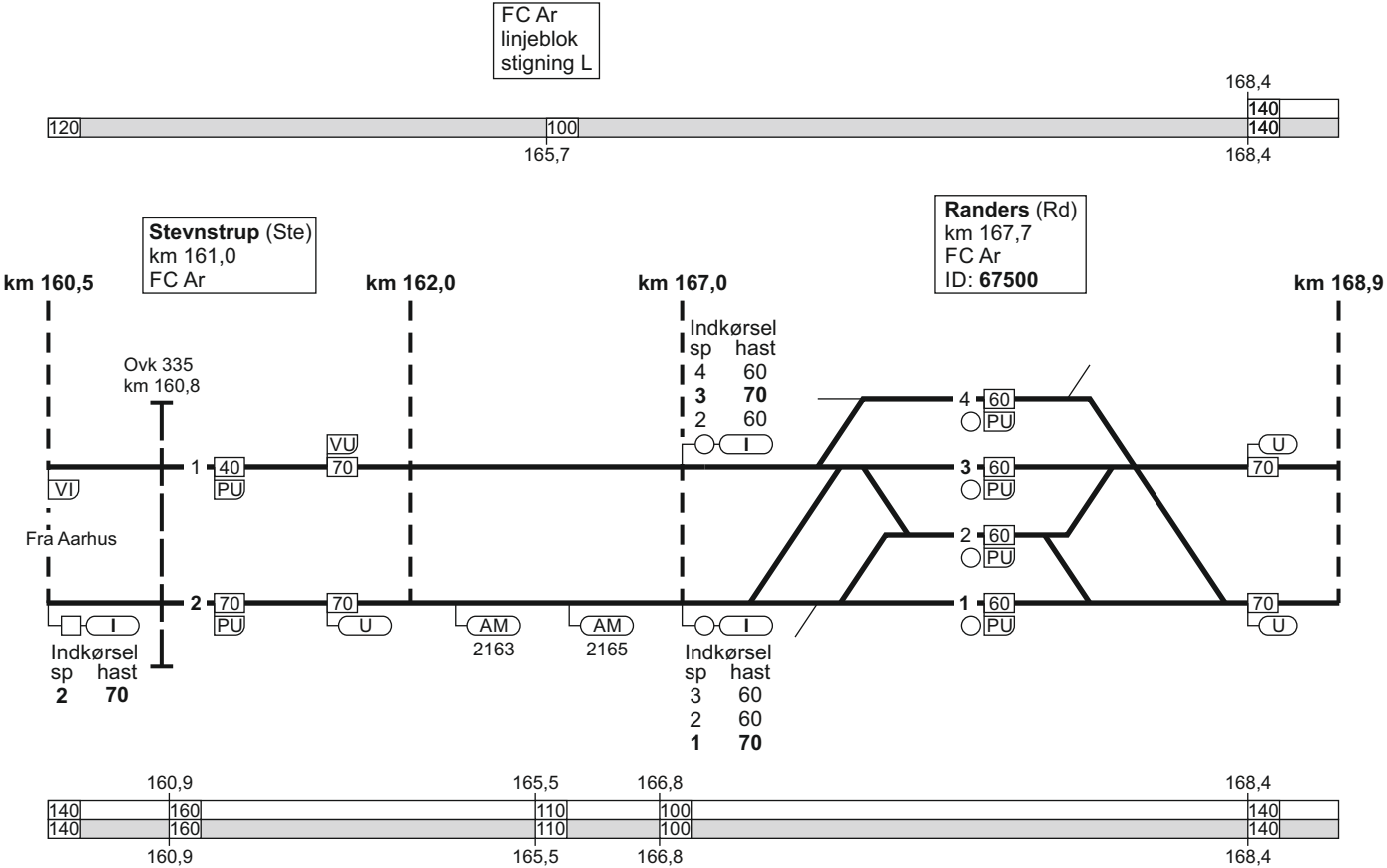
24. Aarhus H - Aalborg



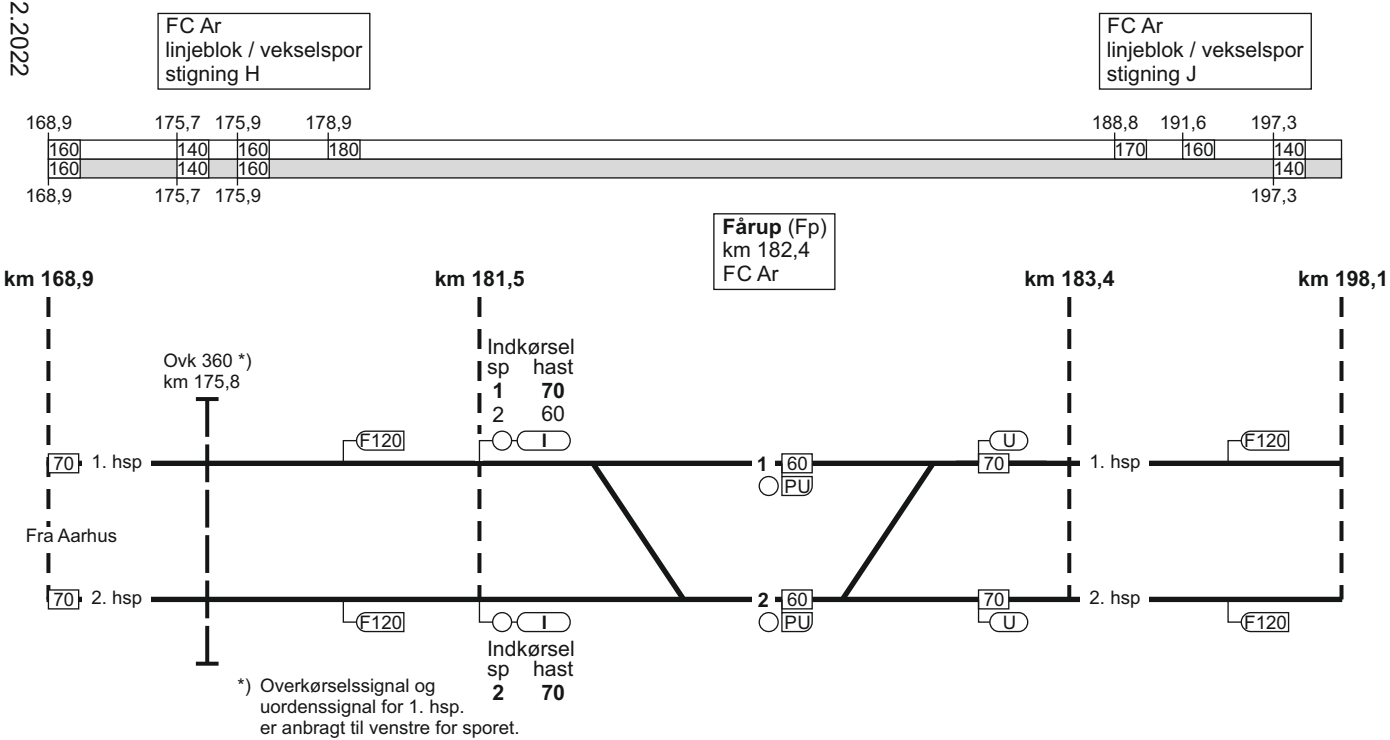
24. Aarhus H - Aalborg



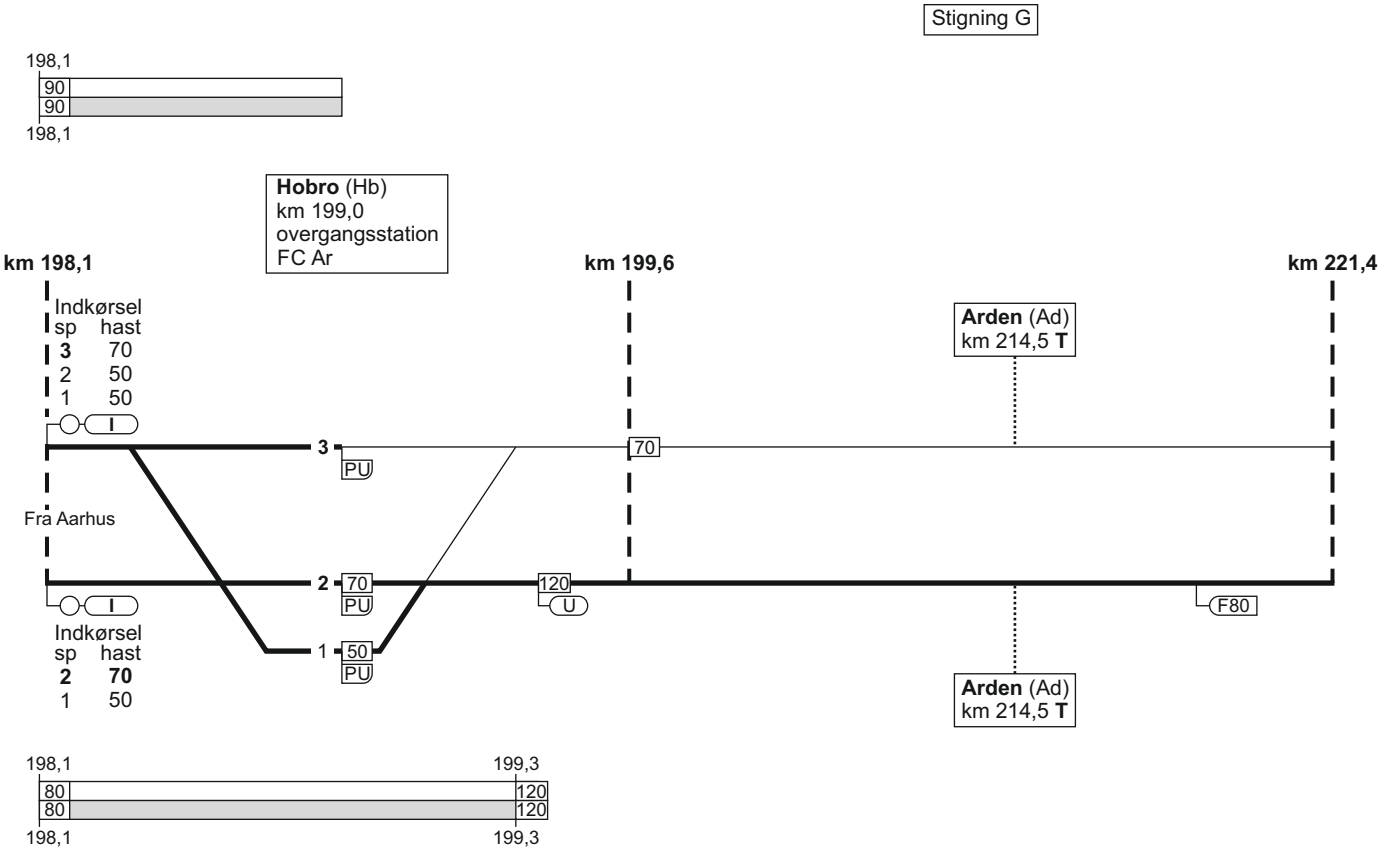
24. Aarhus H - Aalborg



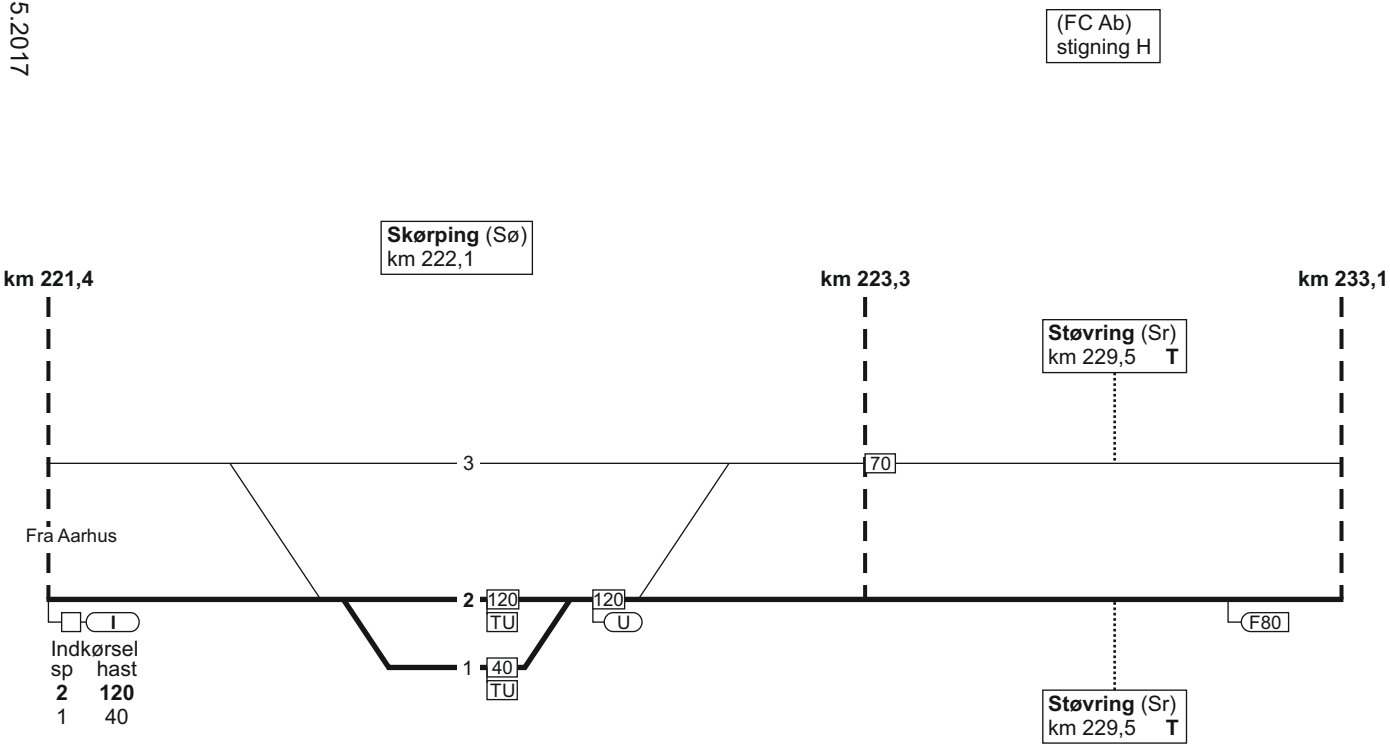
24. Aarhus H - Aalborg



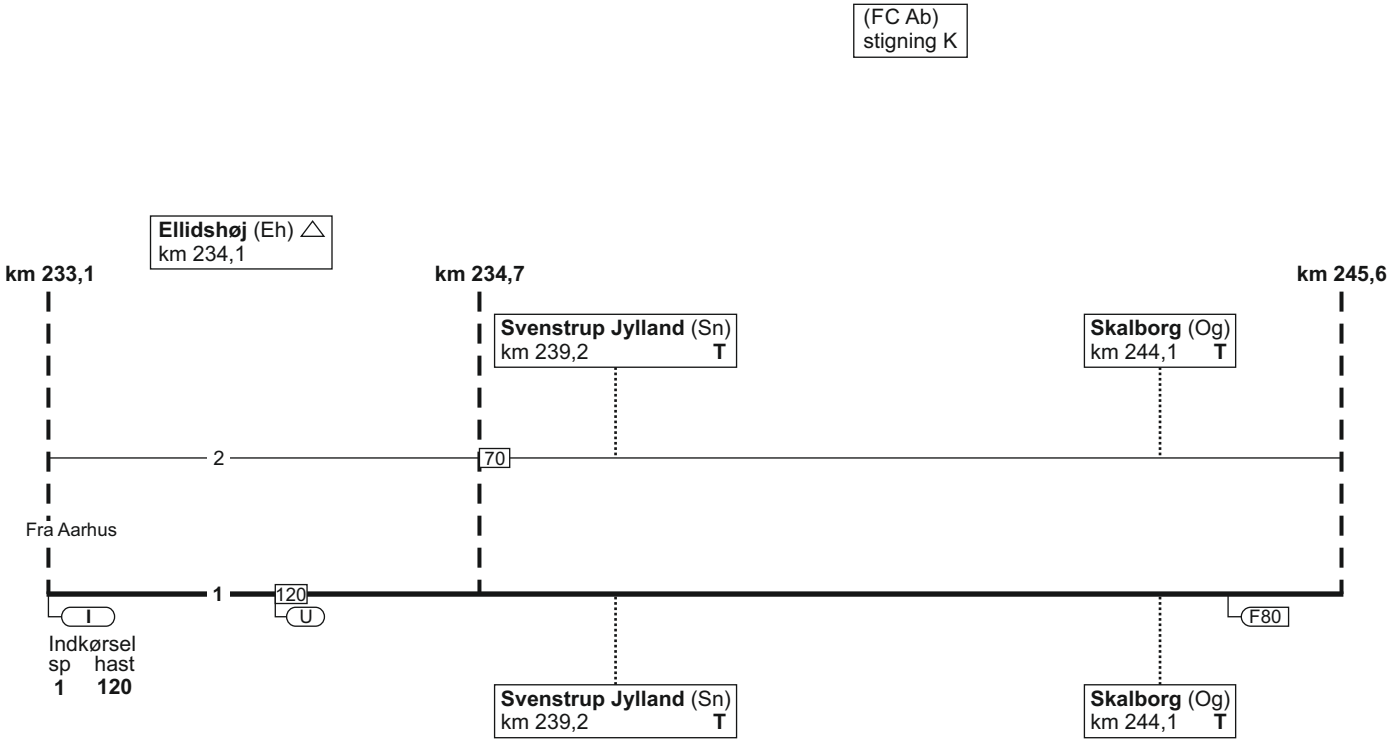
24. Aarhus H - Aalborg



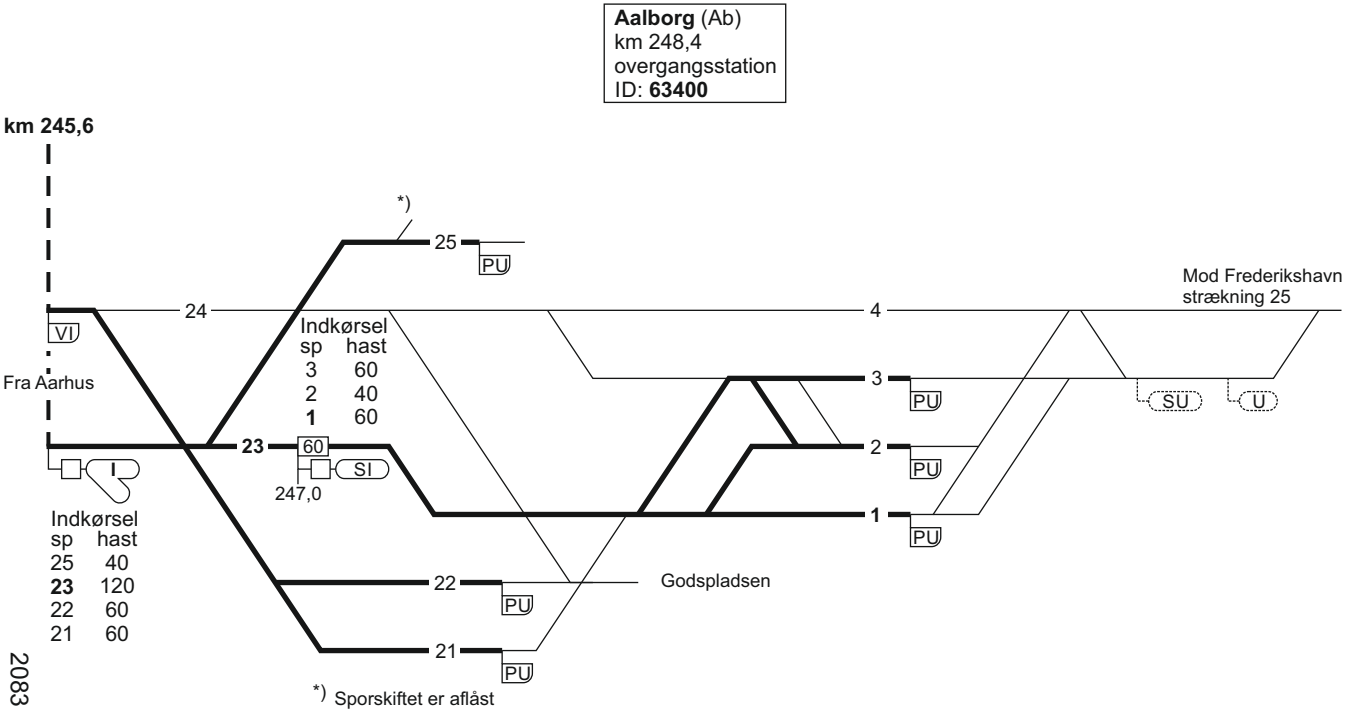
24. Aarhus H - Aalborg



24. Aarhus H - Aalborg

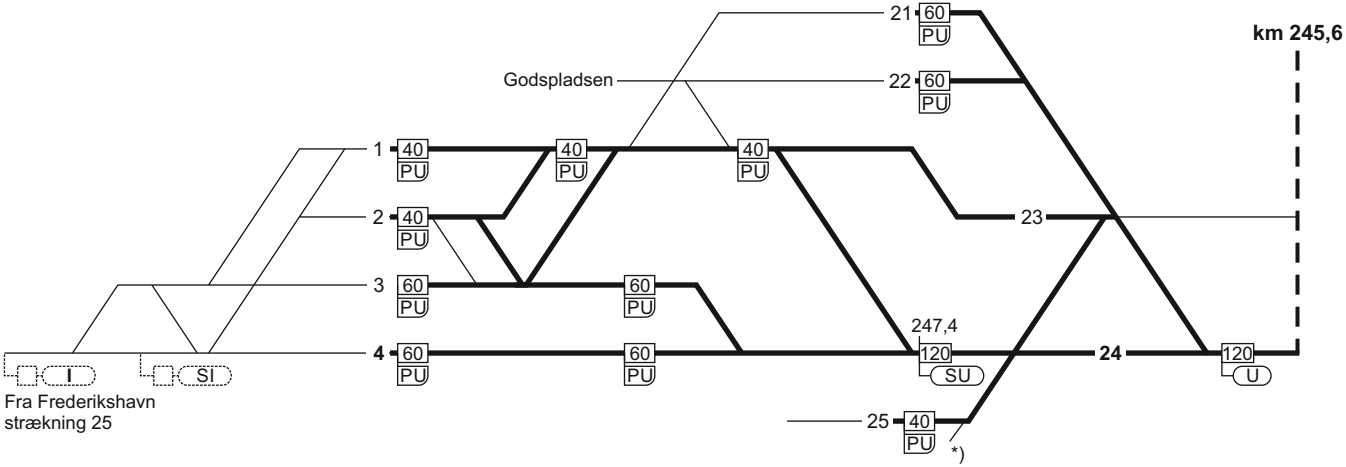


24. Aarhus H - Aalborg



24. Aalborg - Aarhus H

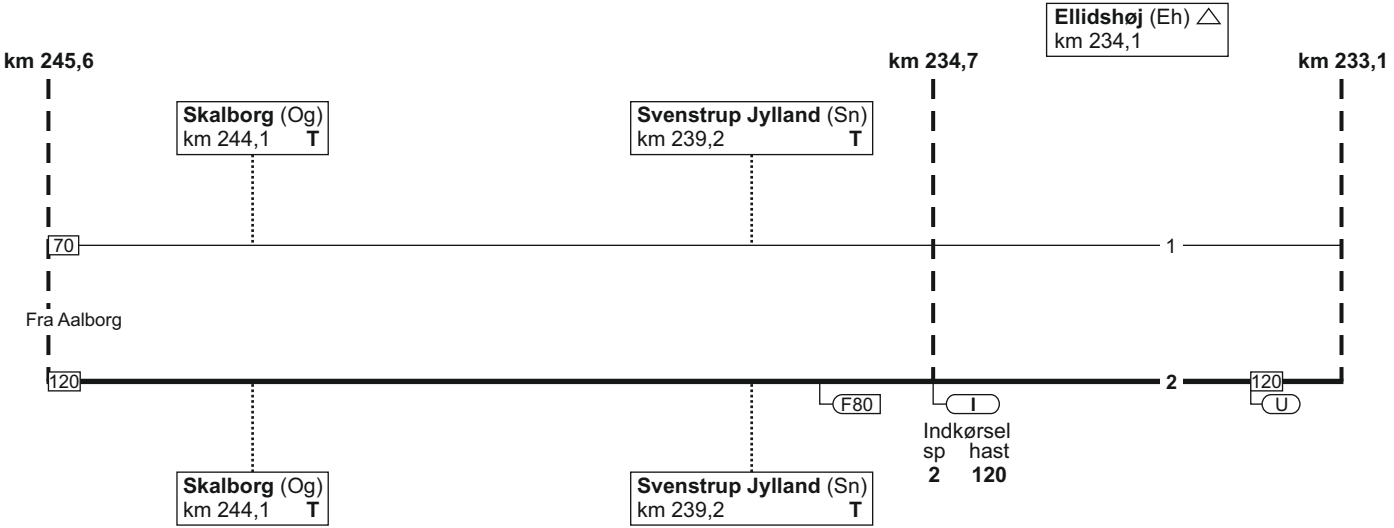
Aalborg (Ab)
km 248,4
overgangsstation
ID: **63400**



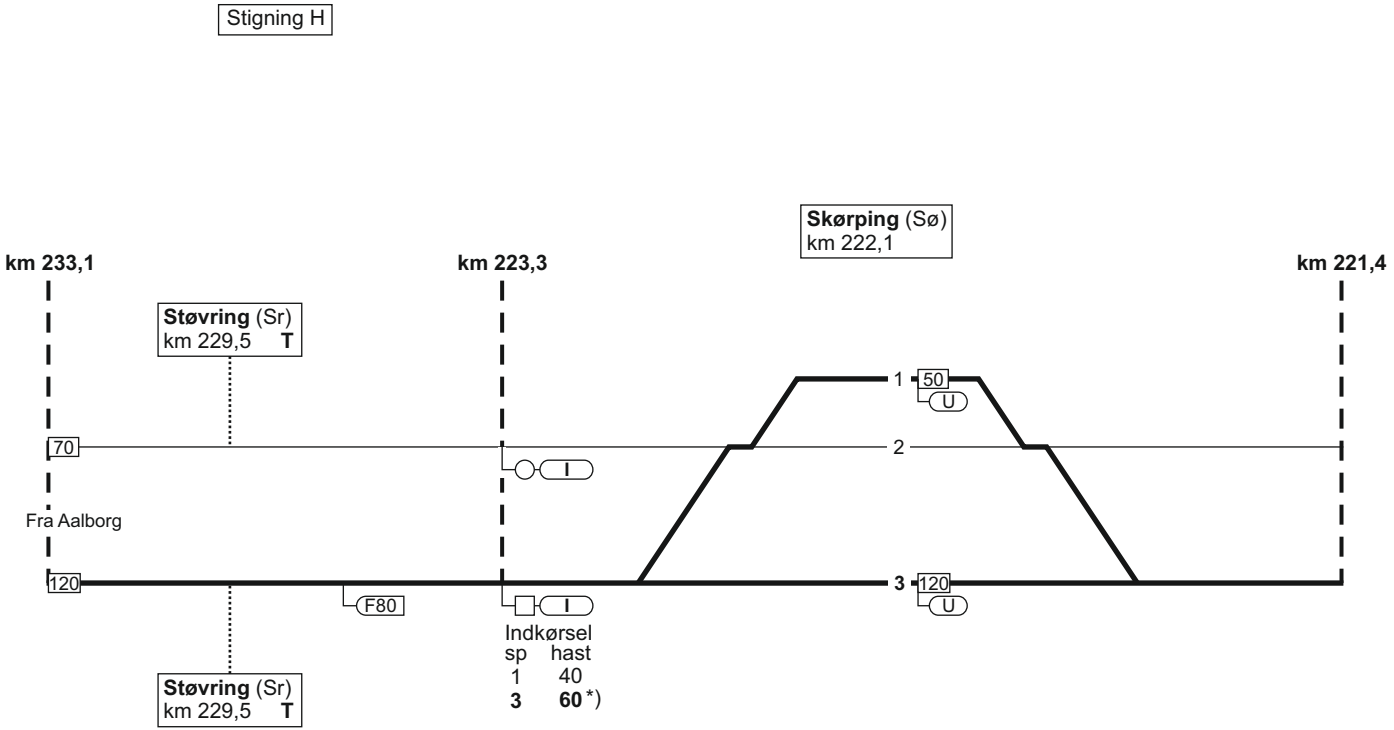
*) Sporskiftet er aflåst

24. Aalborg - Aarhus H

(FC Ab)
stigning J

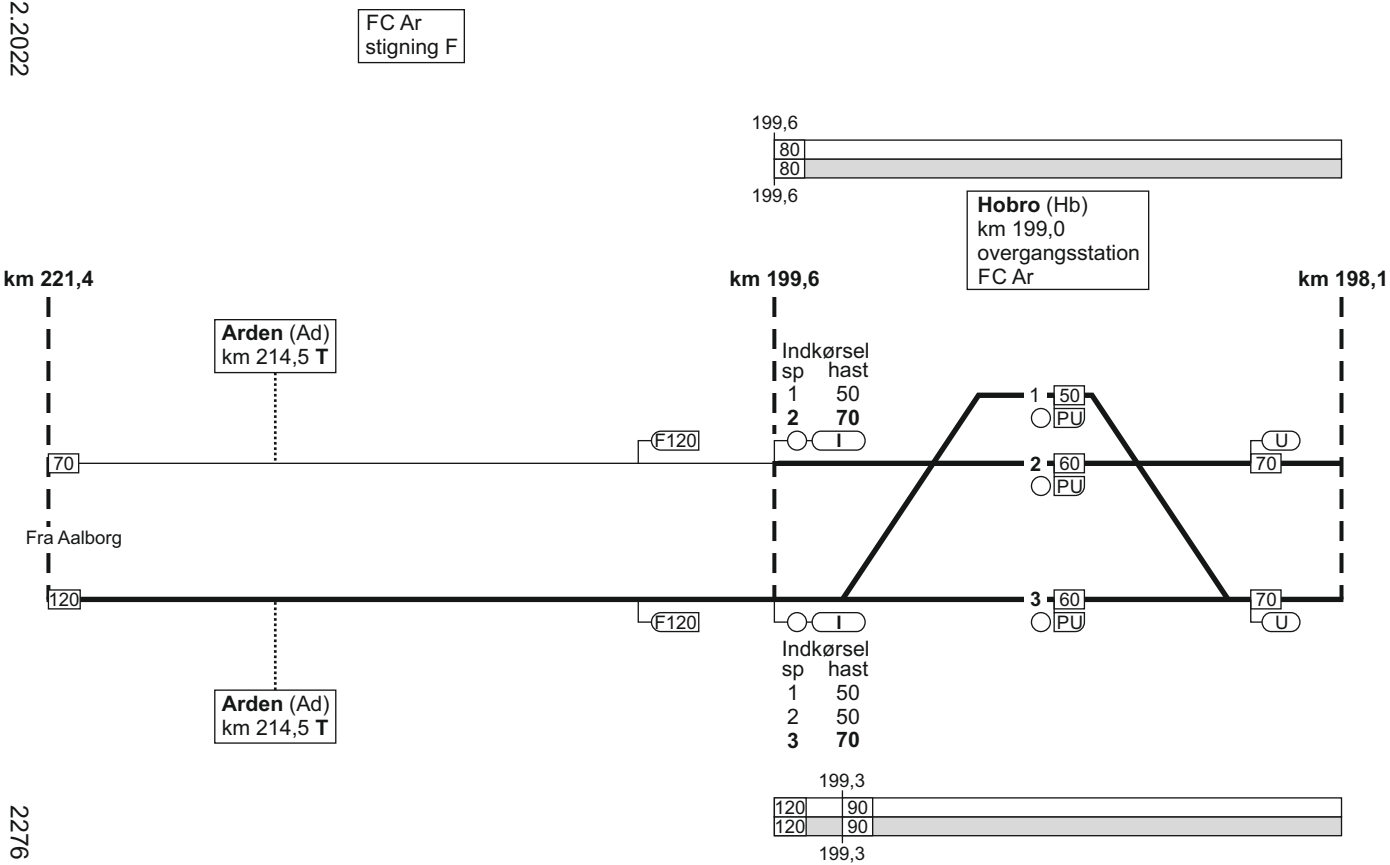


24. Aalborg - Aarhus H

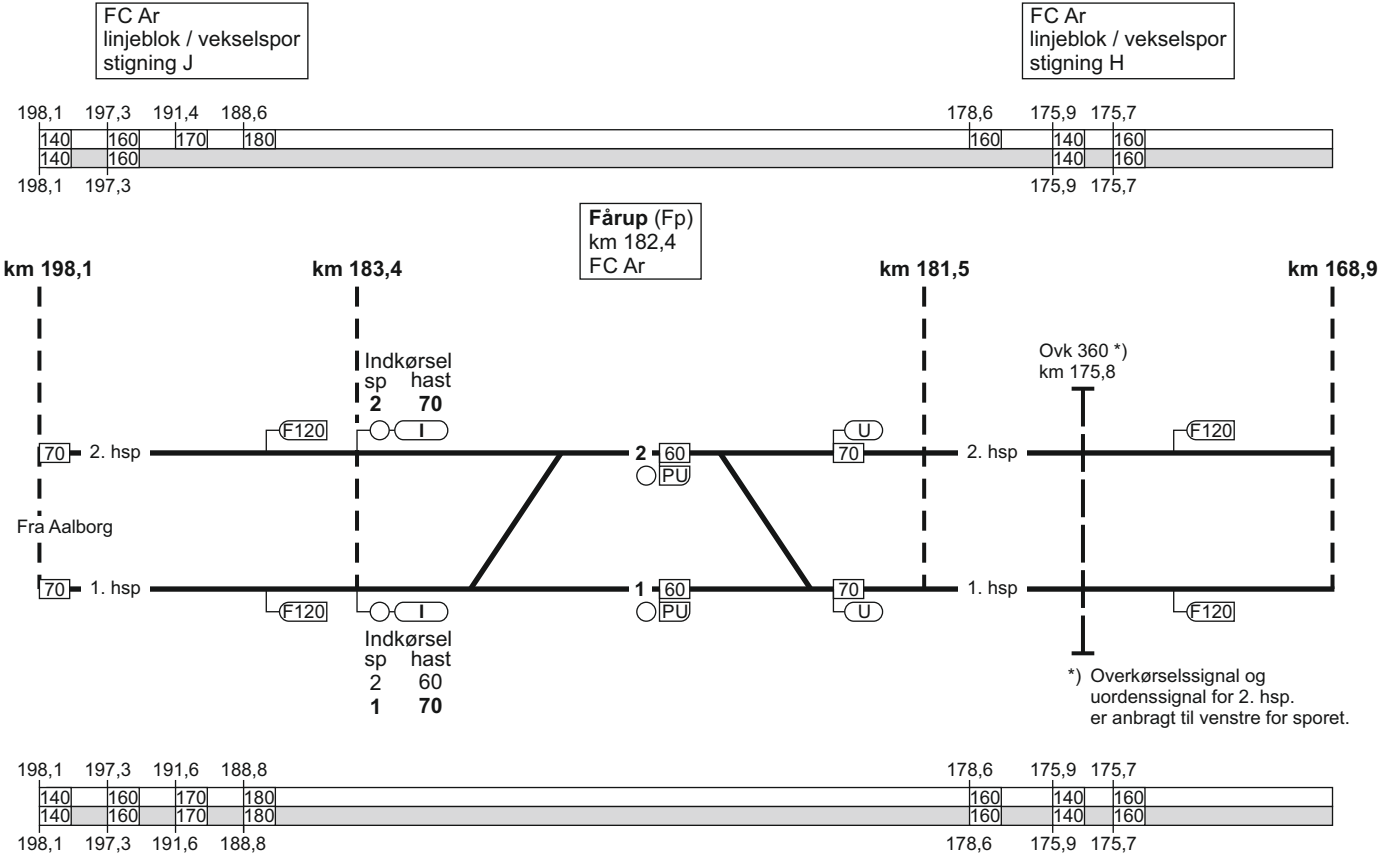


*) Ved “kør igennem”
dog **120** km/t

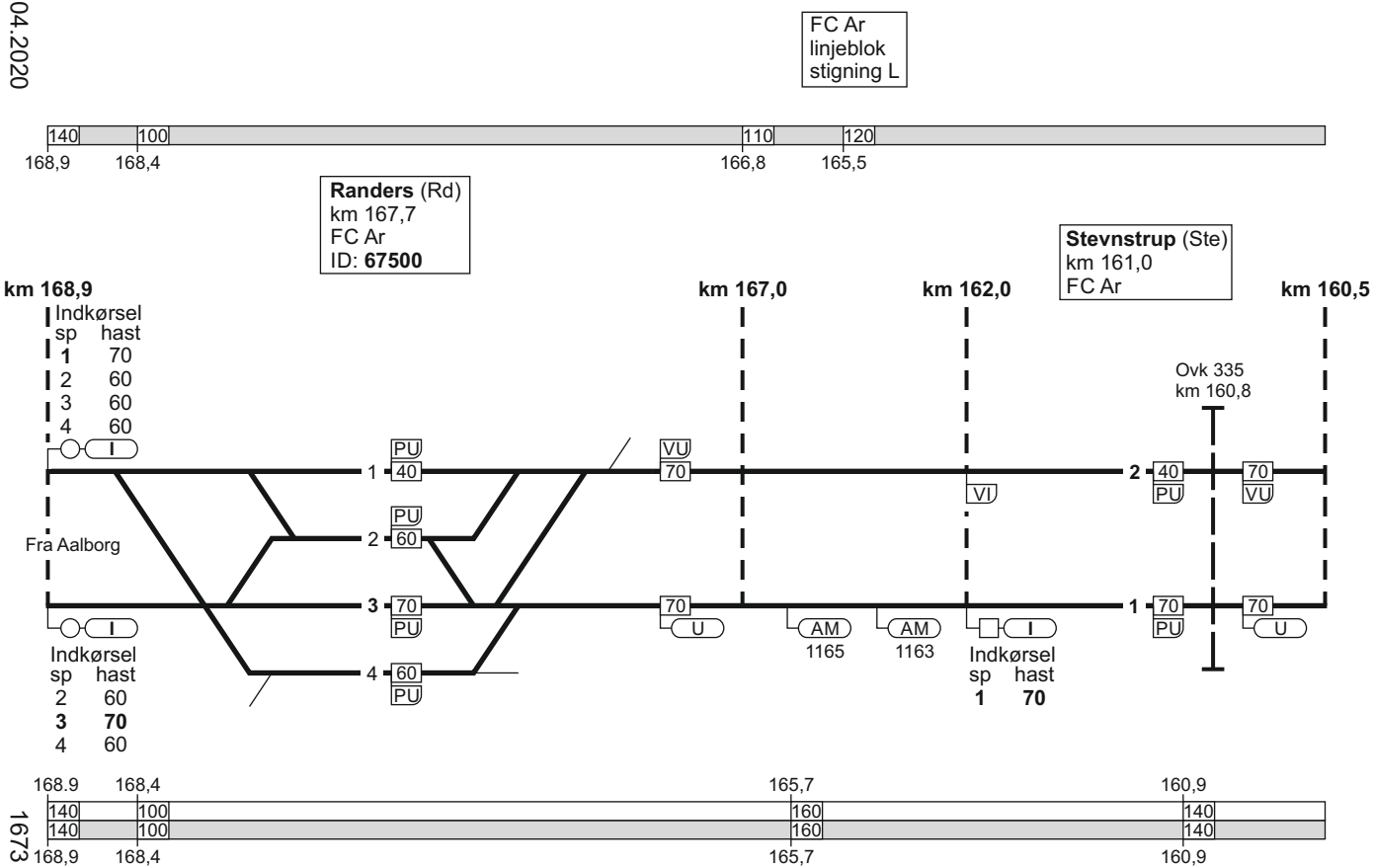
24. Aalborg - Aarhus H



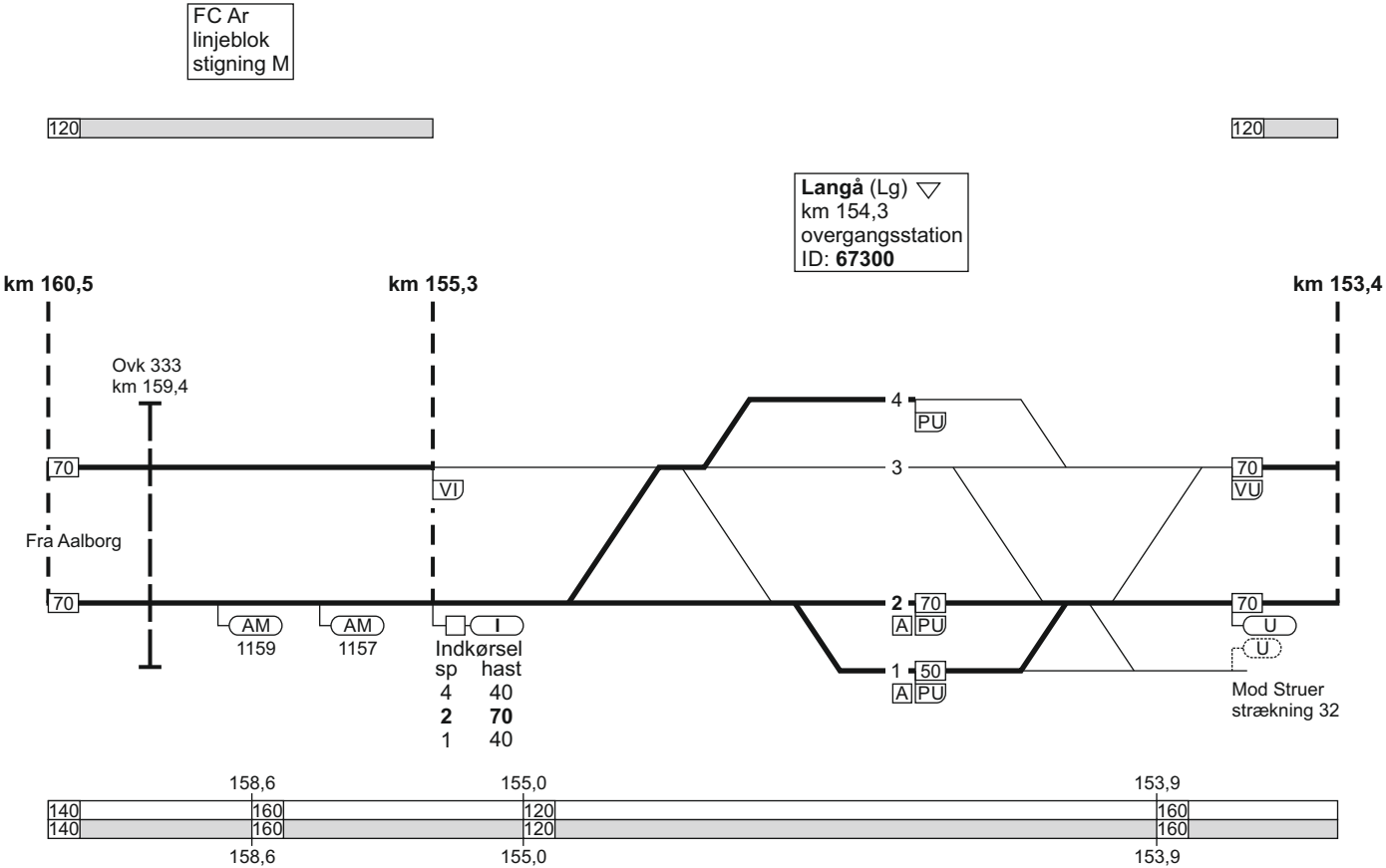
24. Aalborg - Aarhus H



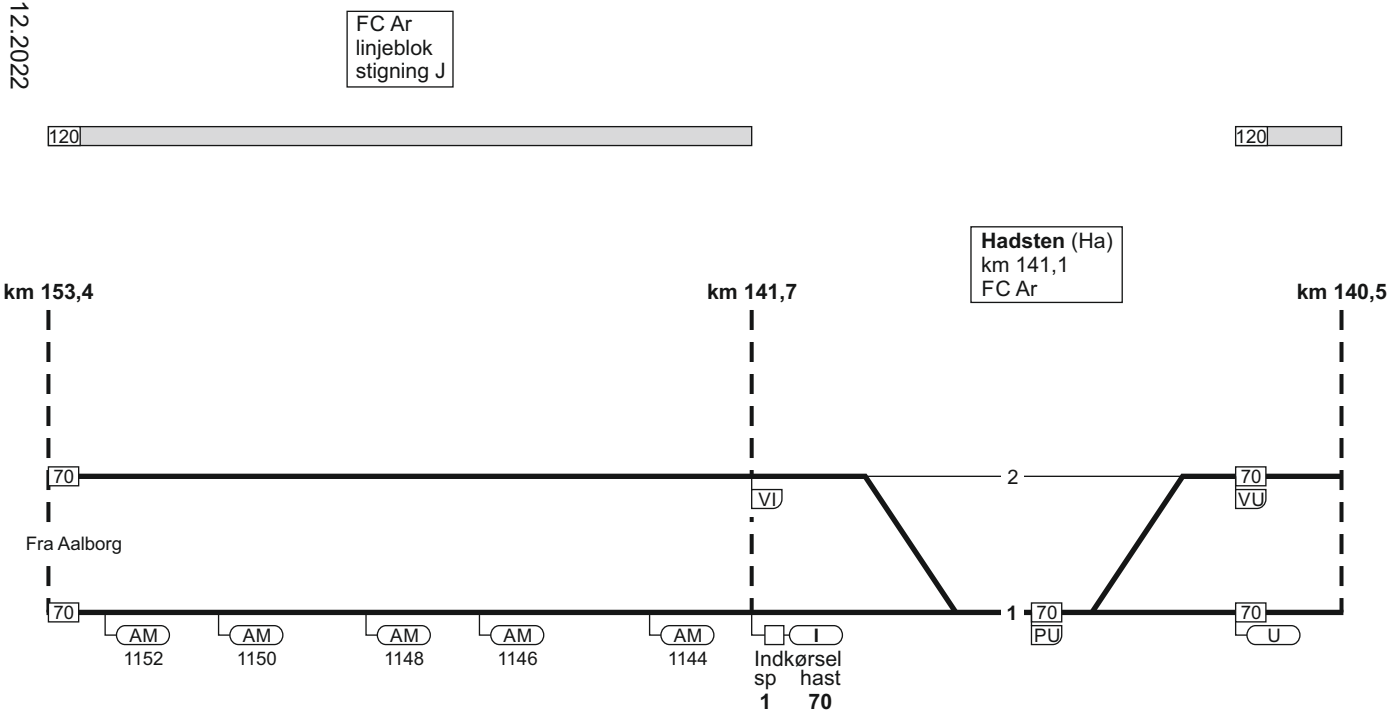
24. Aalborg - Aarhus H

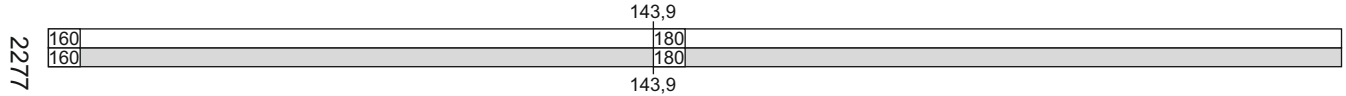


24. Aalborg - Aarhus H

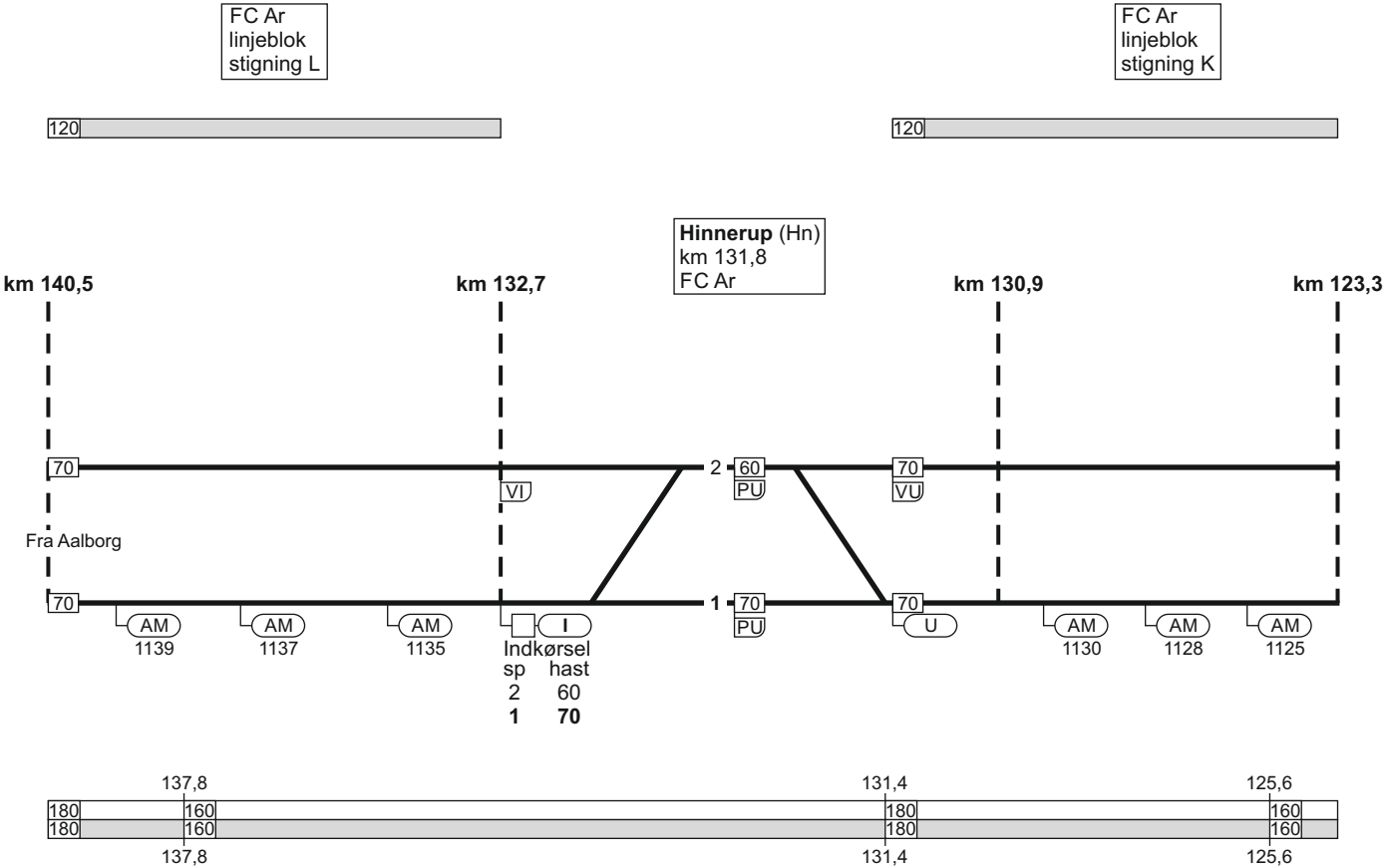


24. Aalborg - Aarhus H

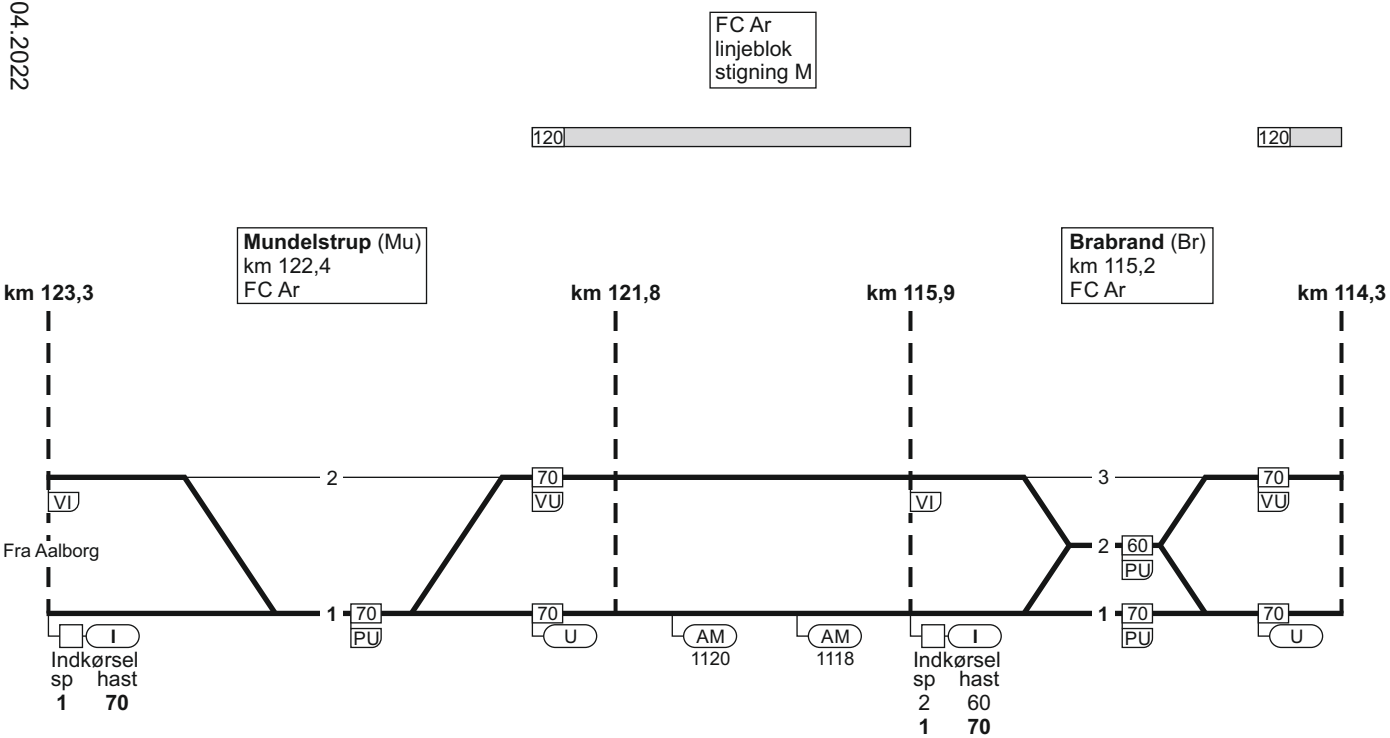


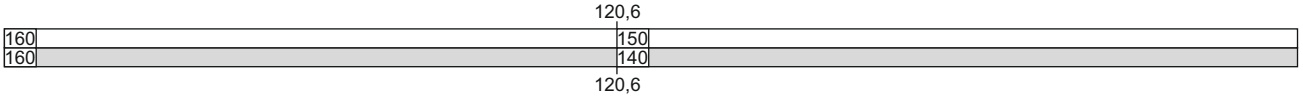


24. Aalborg - Aarhus H

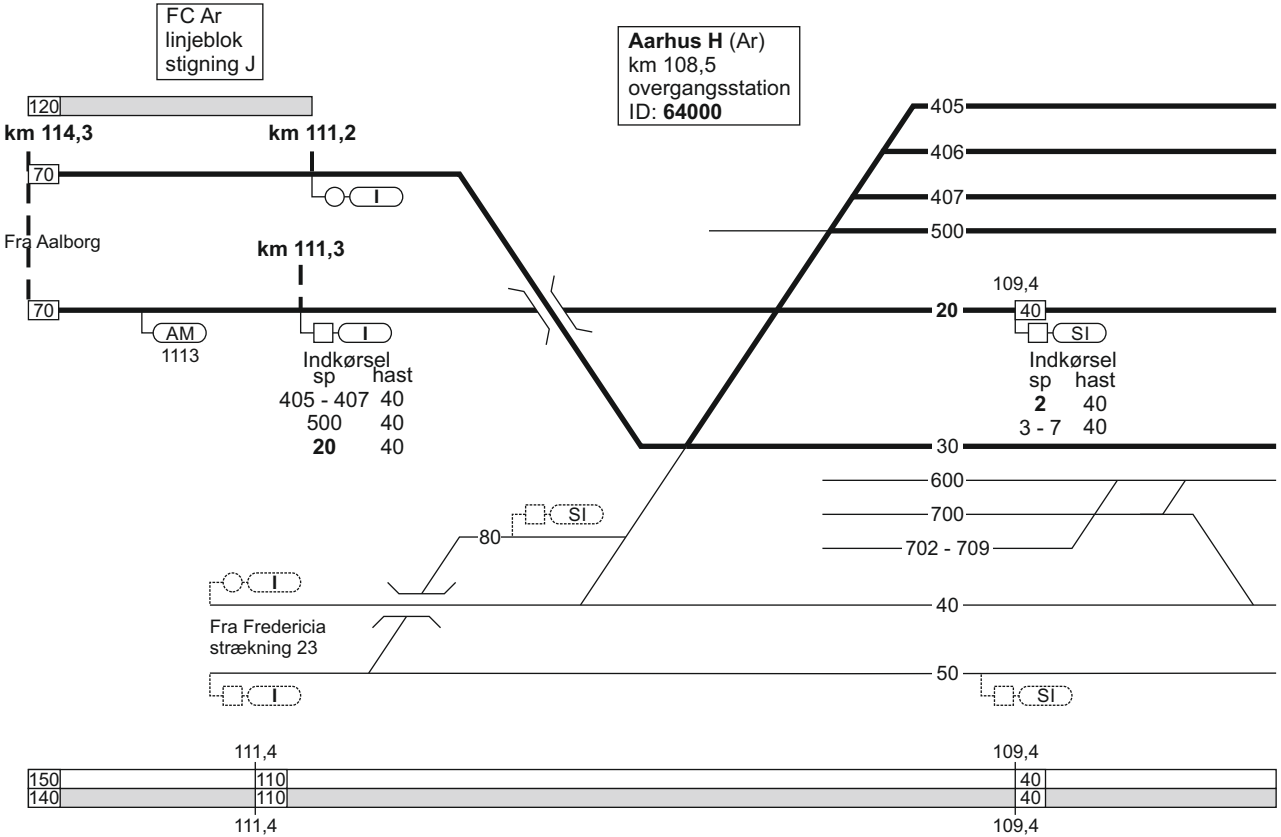


24. Aalborg - Aarhus H

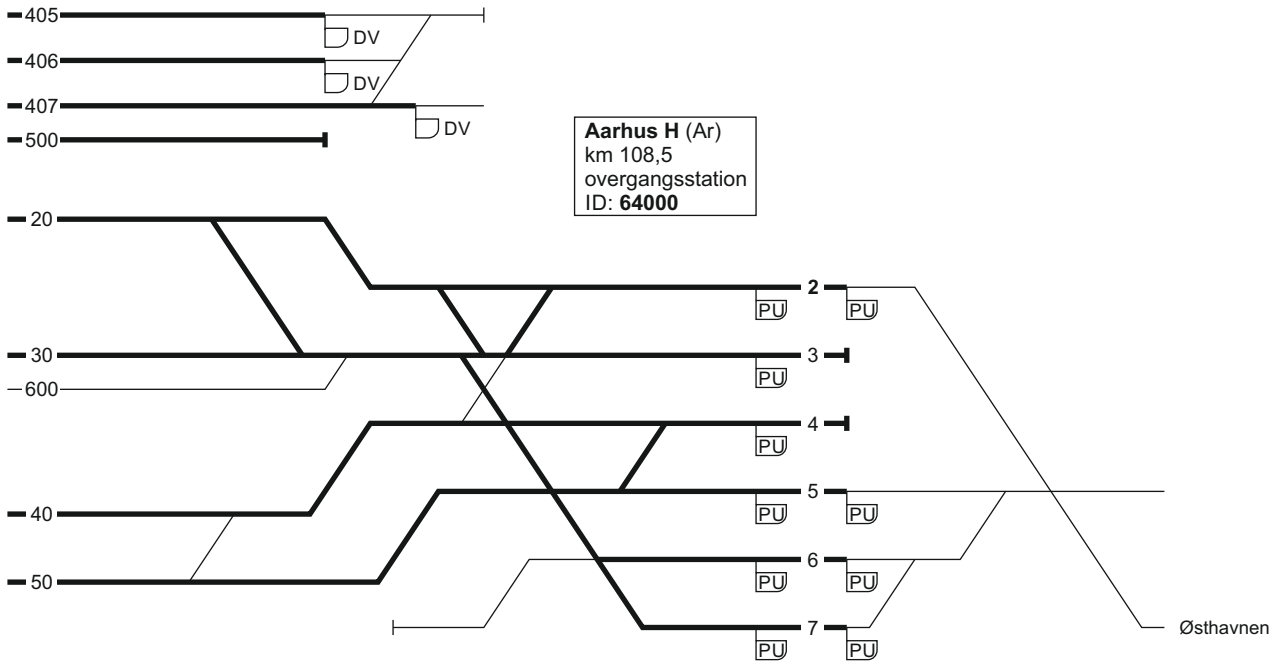


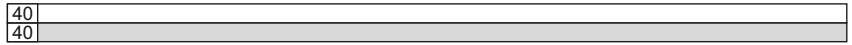


24. Aalborg - Aarhus H



24. Aalborg - Aarhus H





24. Aarhus H - Aalborg

Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Aarhus H			**Følgende tog skal standse således:** Tog fremført af MF, MG og lok anvender standsningsmærke 17.18. Øvrige materieltyper med førerpladsen ud for perrontrappen.	**Kmp:** 82 10 11 35 GSM-R: 81 99 12 40 **FC:** Ar (ekskl.) - Sø (ekskl.) 82 10 11 16 GSM-R: 81 99 12 41

Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Langå	Togfølgestation: Ma-lø 0000-2400 S 0000-0100 0700-2400 Øvrig tid: Ikke fjernstyret togfølgestation (overgangsstation) med AG-drift uden stedlig stationsbestyrer.			**Kmp:** 86 46 15 00 GSM-R: 81 99 12 73 Når Langå er ikke fjernstyret togfølgestation (overgangsstation) med AG-drift uden stedlig stationsbestyrer, varetages stationsbestyrerens ansvar af stationsbestyreren i FC Ar. **FC Ar:** 82 10 11 16 GSM-R: 81 99 12 41
Randers				**FC Ar:** 82 10 11 16 GSM-R: 81 99 12 41

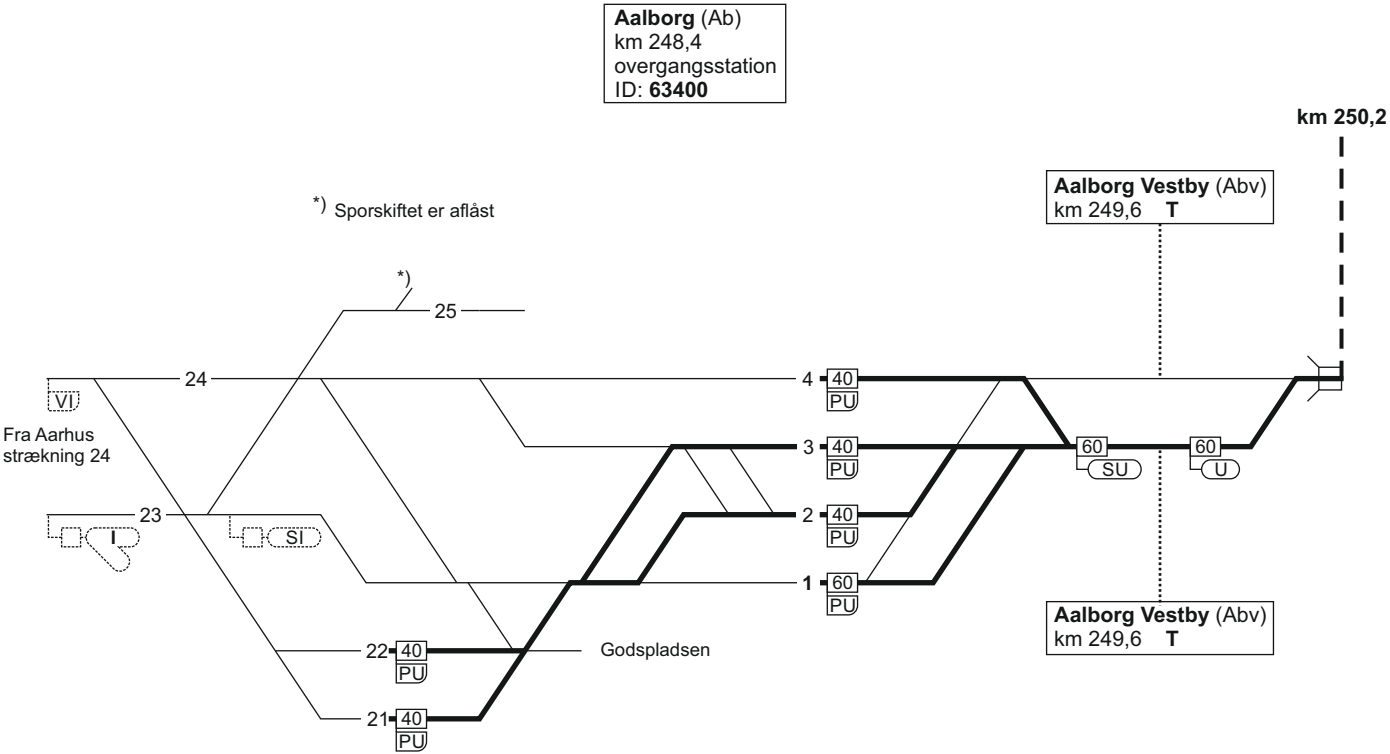
Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Skørping				**Kmp:** 82 14 02 78 GSM-R: 81 99 13 78
Ellidshøj	Togfølgestation: Ma-fr 0520-1930 Lø 0815-1730			**Kmp:** 82 10 16 54 GSM-R: 81 99 13 58
Aalborg				**Kmp:** 82 14 02 94 GSM-R: 81 99 12 34

25. Aalborg - (Sulsted)

Strækningshastighed:

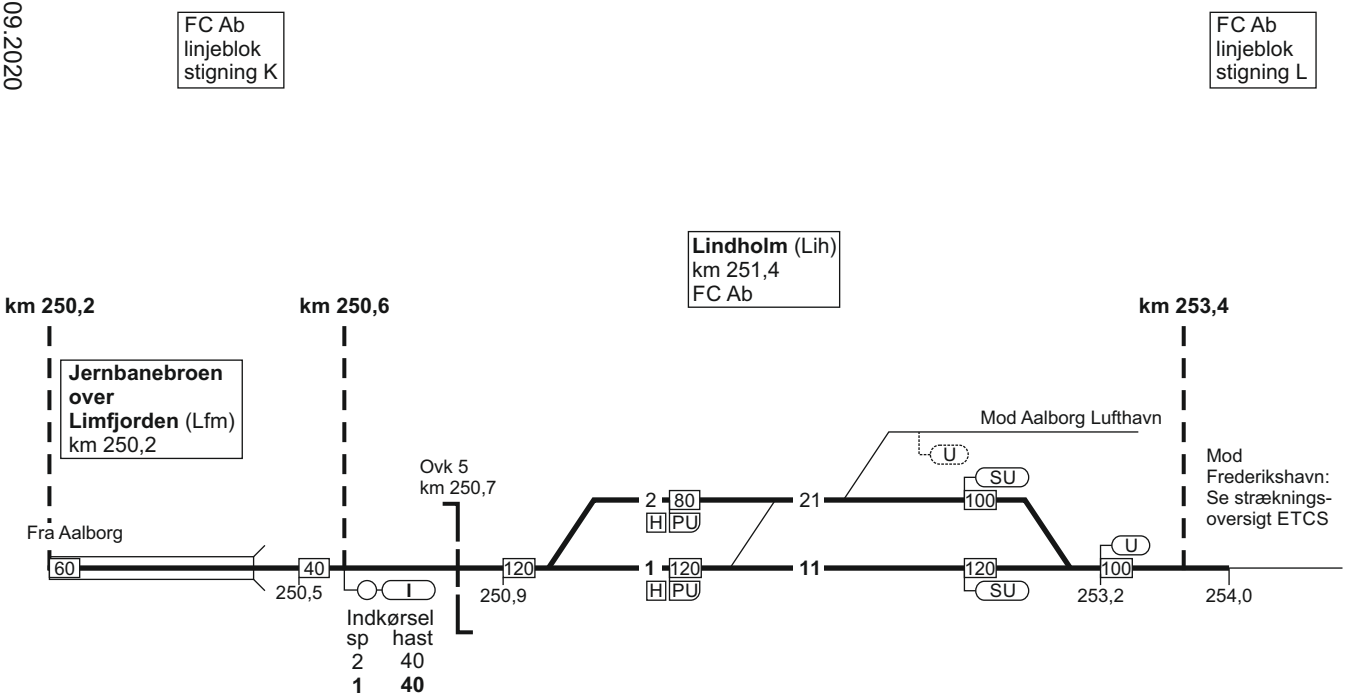
Delstrækning	Strækningshastighed (km/t)
Aalborg - (Sulsted)	120

25. Aalborg - (Sulsted)



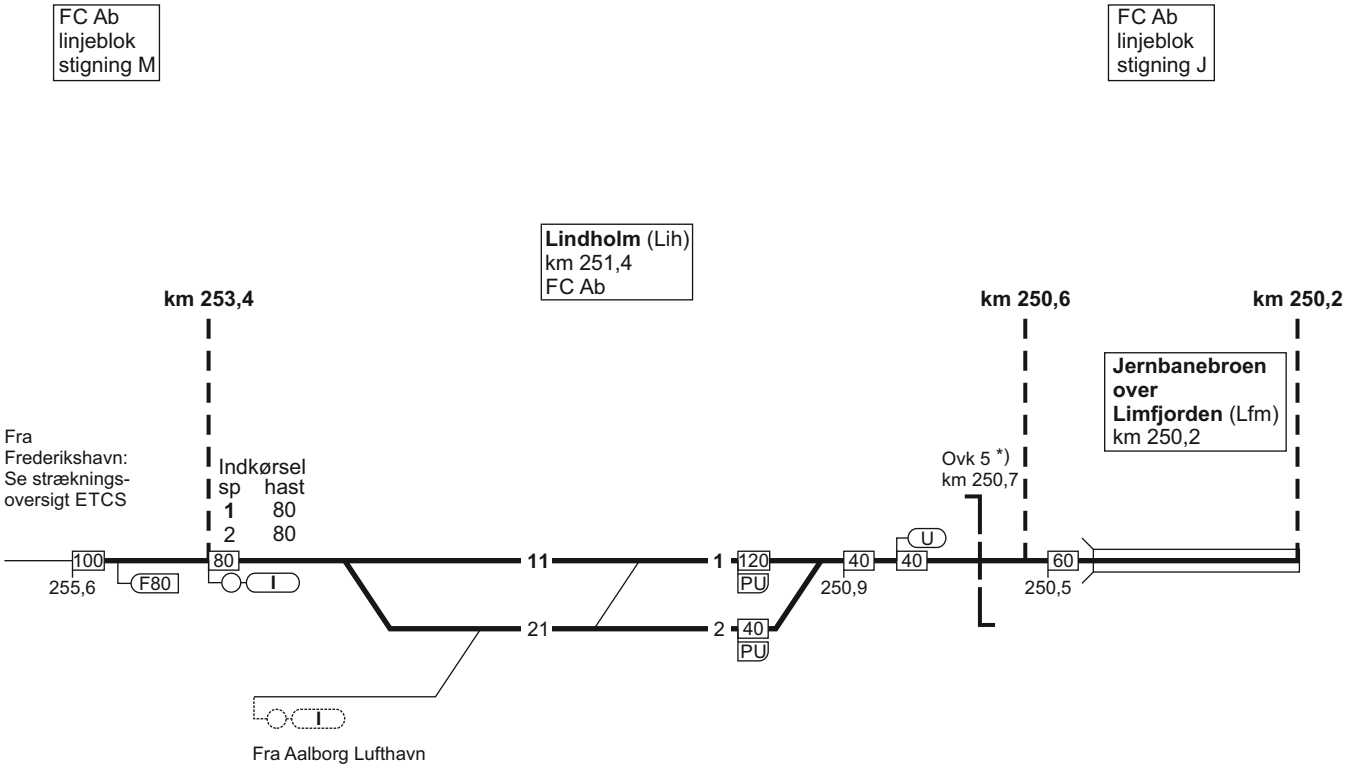
Hastigheden for ikke personførende tog fremført af MZ er højst 90 km/t.

25. Aalborg - (Sulsted)



Hastigheden for ikke personførende tog fremført af MZ er højst 90 km/t.

25. (Sulsted) - Aalborg

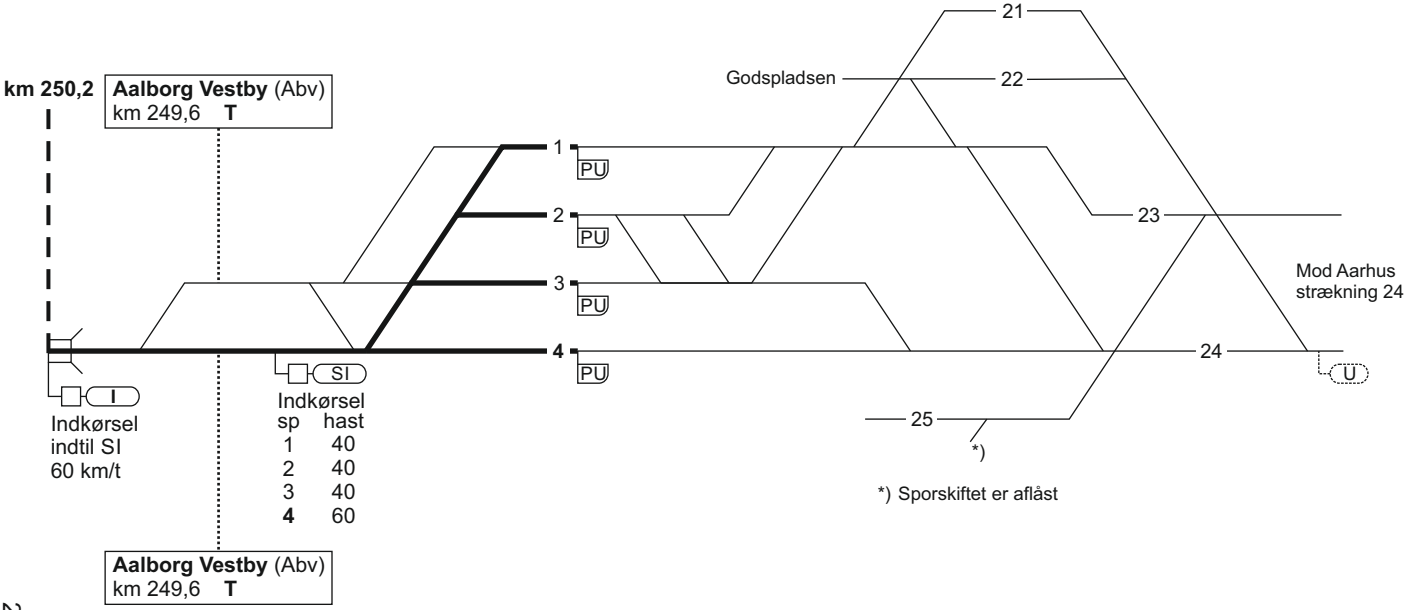


*) = uordenssignal ikke etableret

Hastigheden for ikke personførende tog fremført af MZ er højst 90 km/t.

25. (Sulsted) - Aalborg

Aalborg (Ab)
km 248,4
overgangsstation
ID: **63400**



*) Sporskiftet er aflåst

Hastigheden for ikke personførende tog fremført af MZ er højst 90 km/t.

25. Aalborg - (Sulsted)

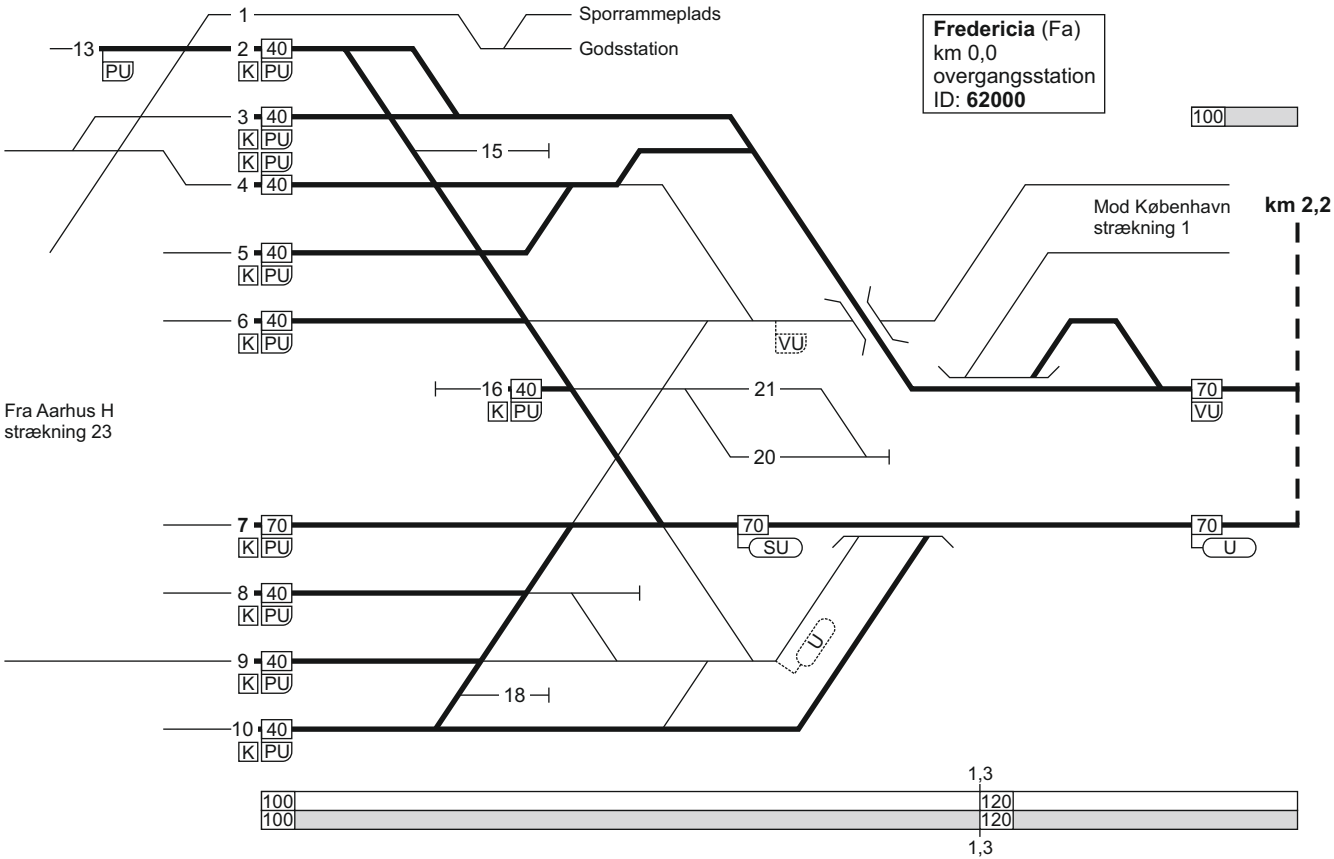
Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Aalborg				**Kmp:** 82 14 02 94 GSM-R: 81 99 12 34 **FC:** Ab (ekskl.) - (Su) 82 14 02 94 GSM-R Ab (ekskl.) - (Su) 81 99 12 35

26. Fredericia - Padborg

Strækningshastighed:

Delstrækning	Strækningshastighed (km/t)
Fredericia - Vojens	160
Vojens - Tinglev	180
Tinglev - Padborg	120

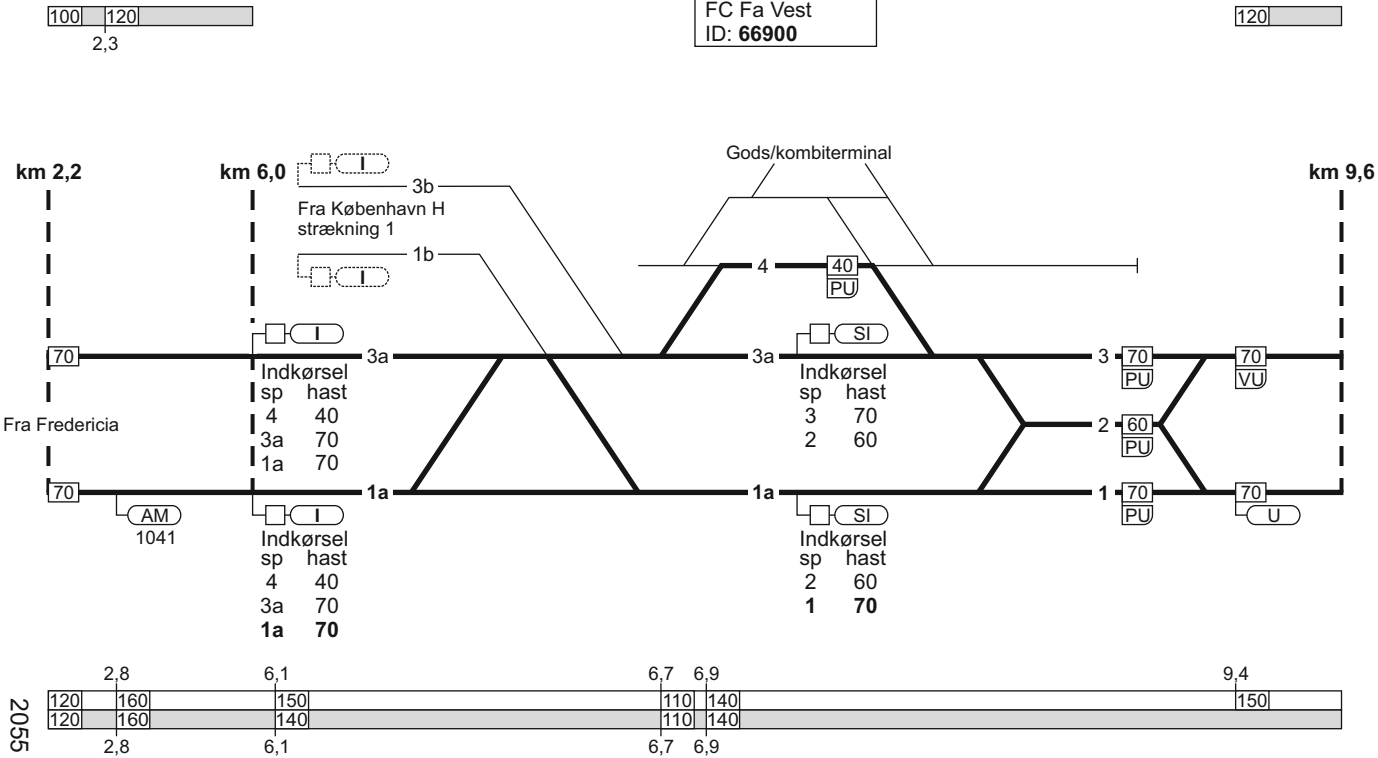
26. Fredericia - Padborg



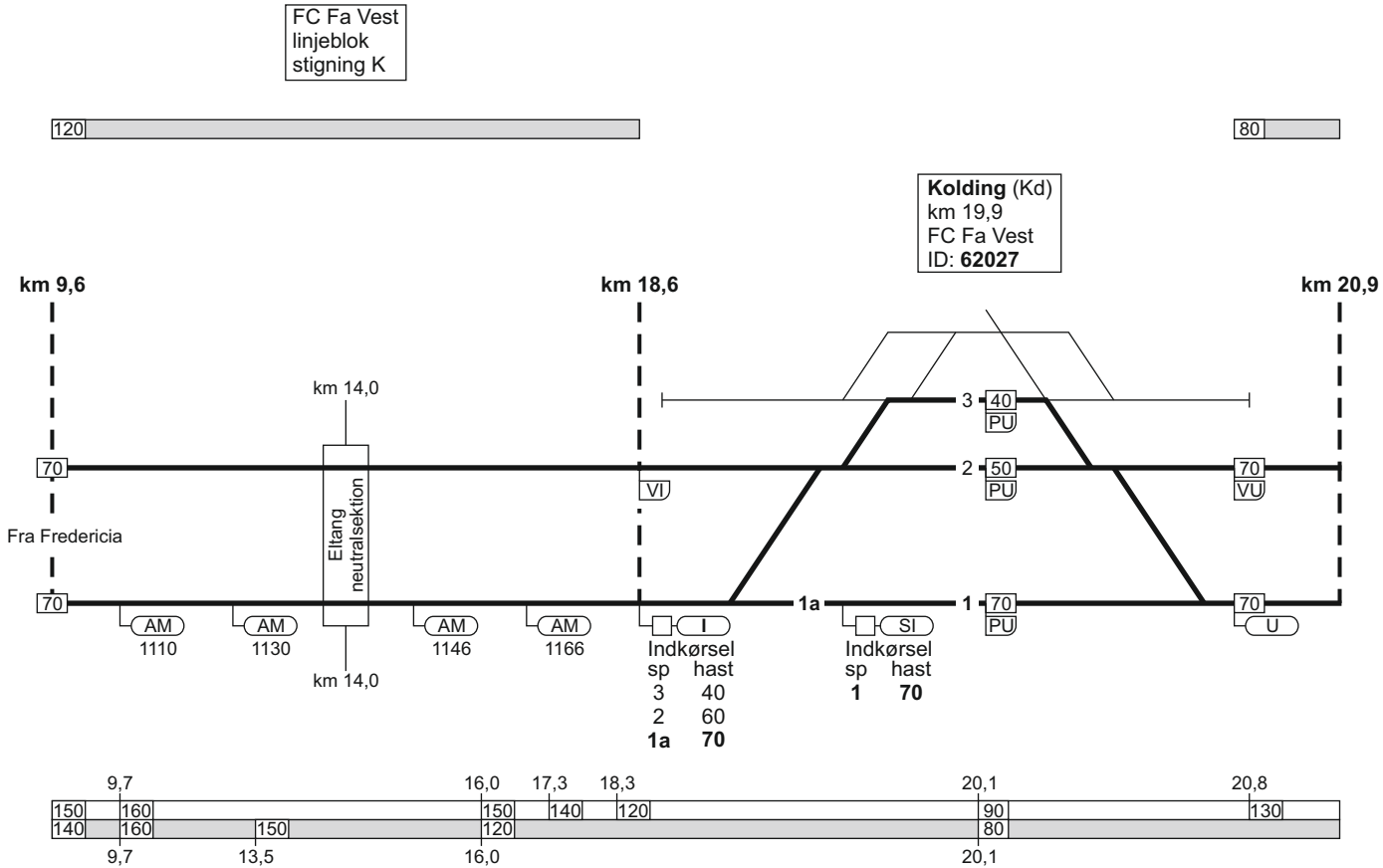
26. Fredericia - Padborg

FC Fa Vest
linjeblok
stigning H

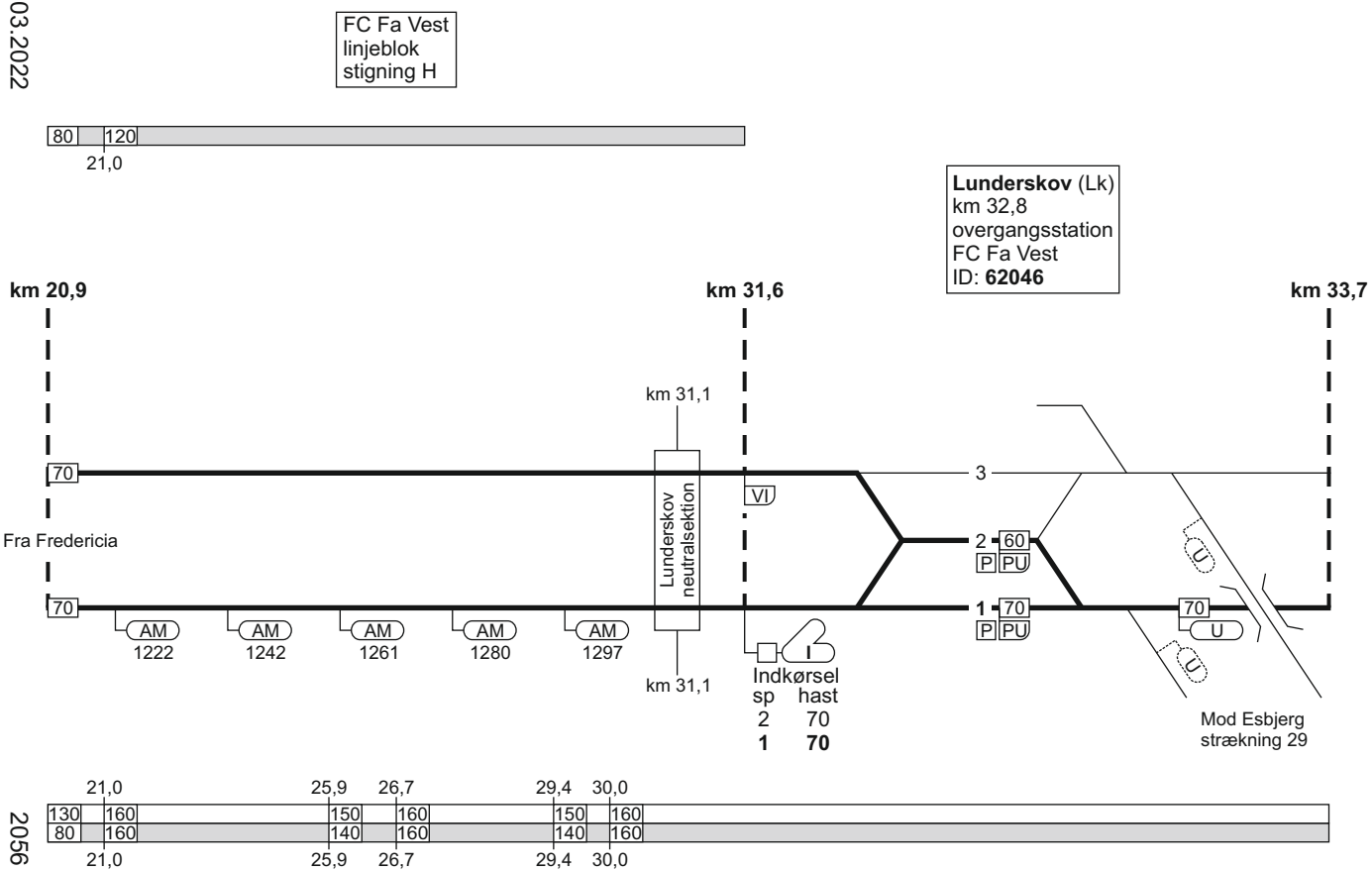
Taulov (TI)
km 8,6
overgangsstation
FC Fa Vest
ID: **66900**



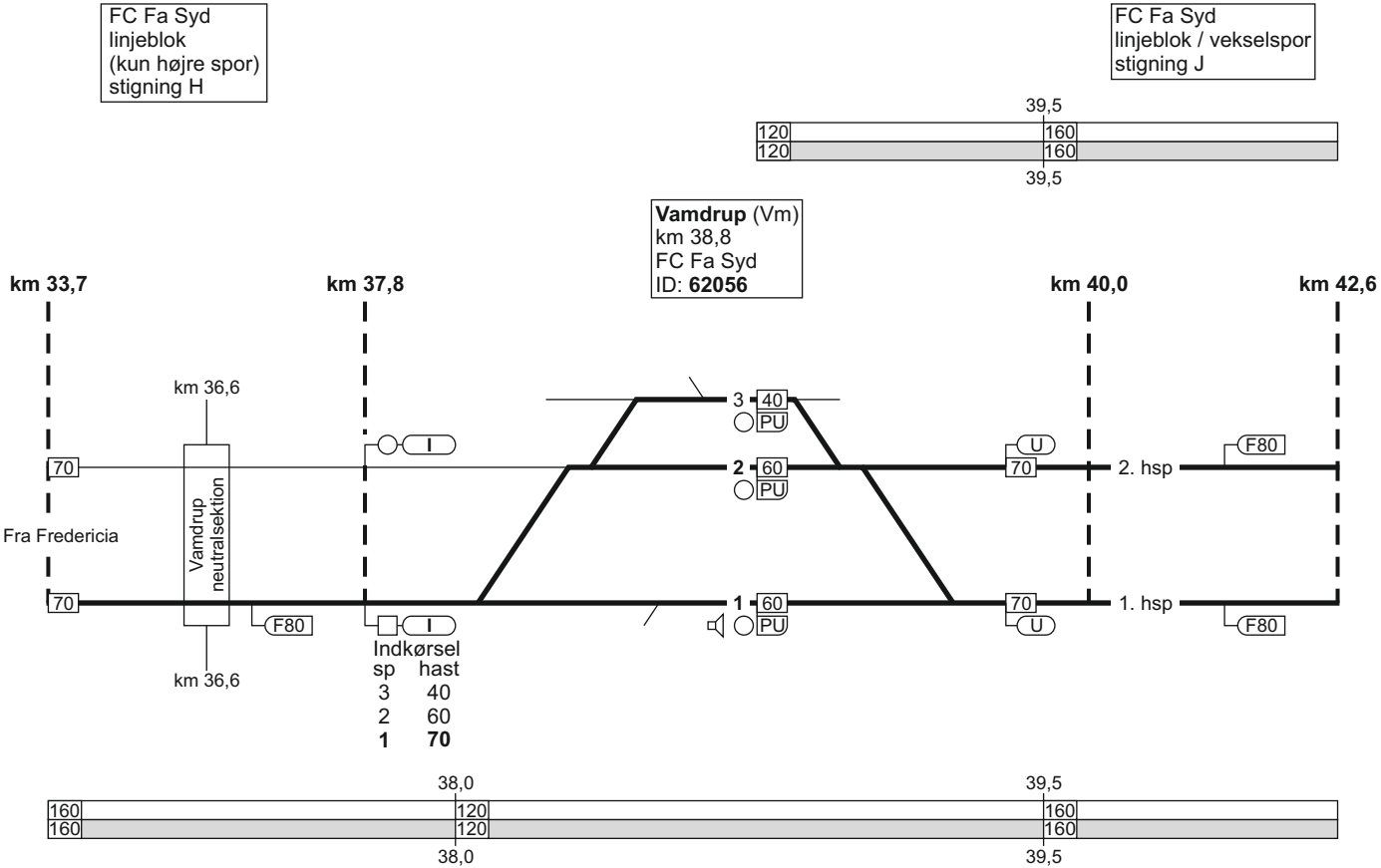
26. Fredericia - Padborg



26. Fredericia - Padborg

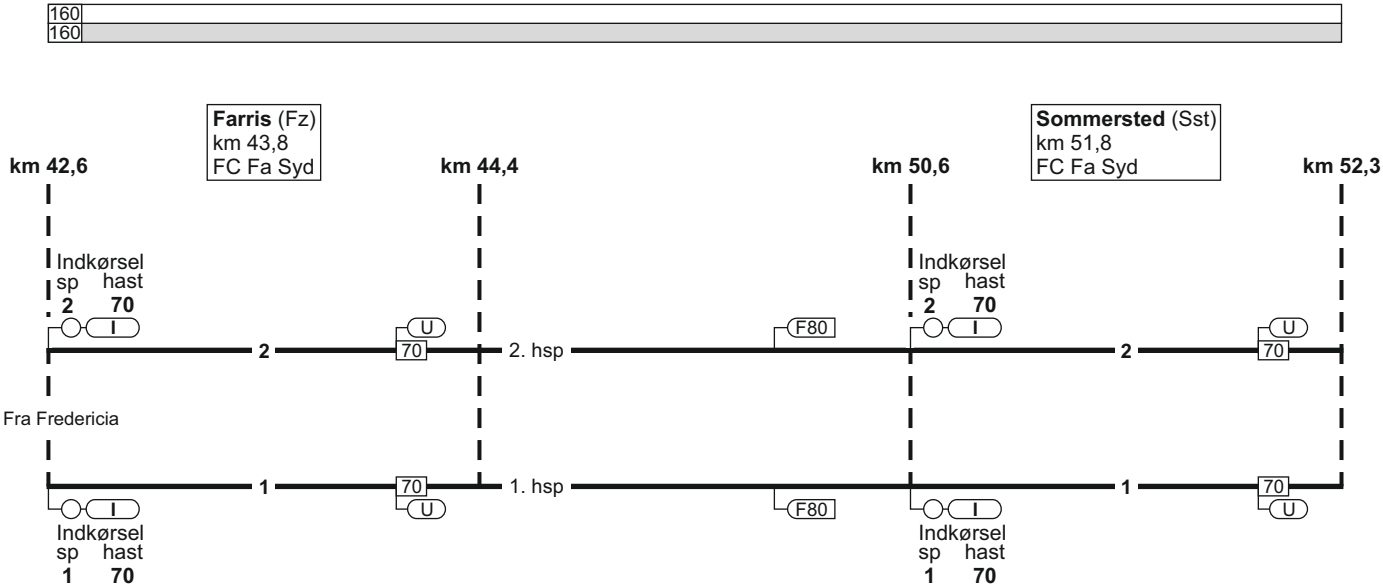


26. Fredericia - Padborg

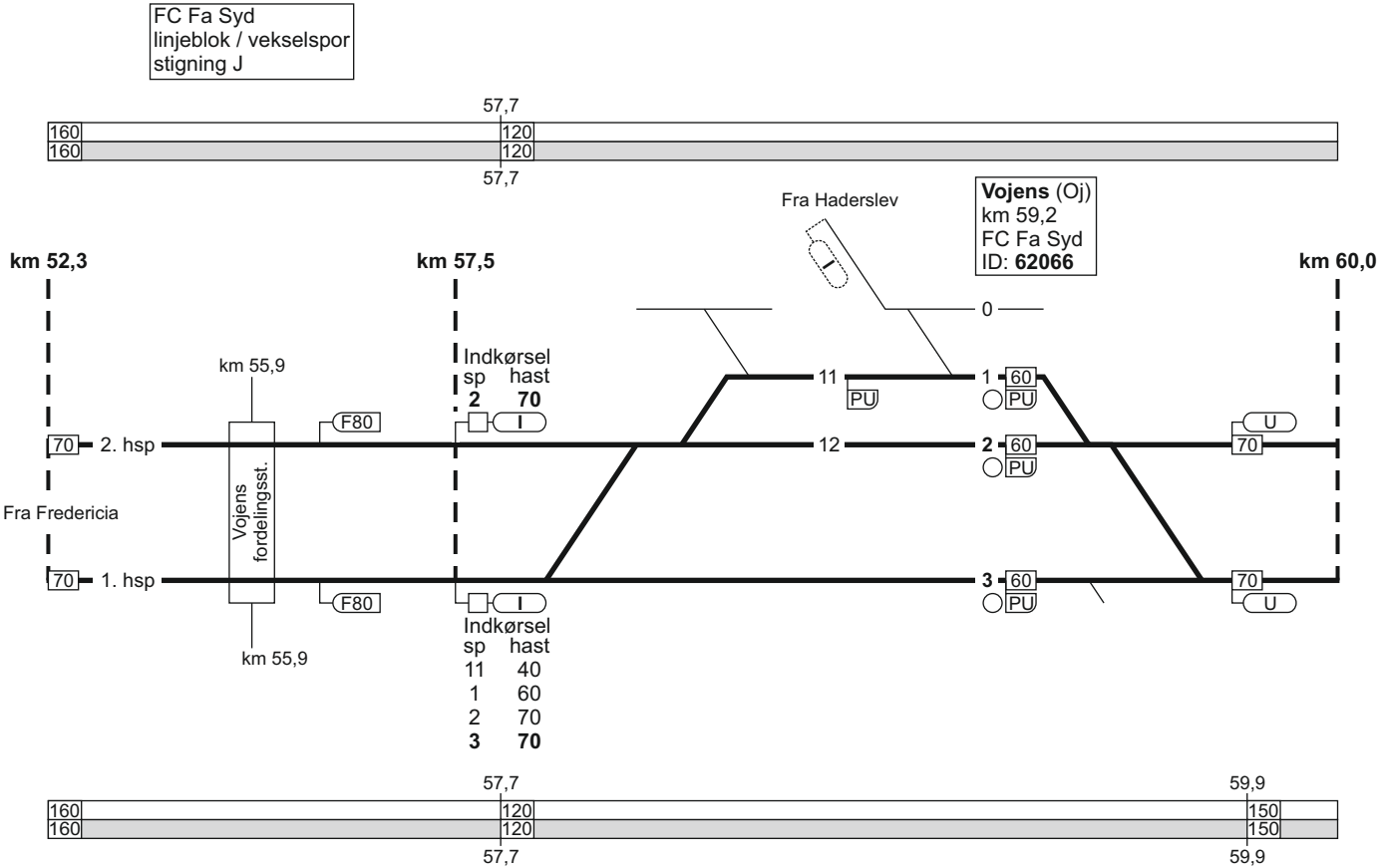


26. Fredericia - Padborg

FC Fa Syd
linjeblok / vekselspor
stigning K

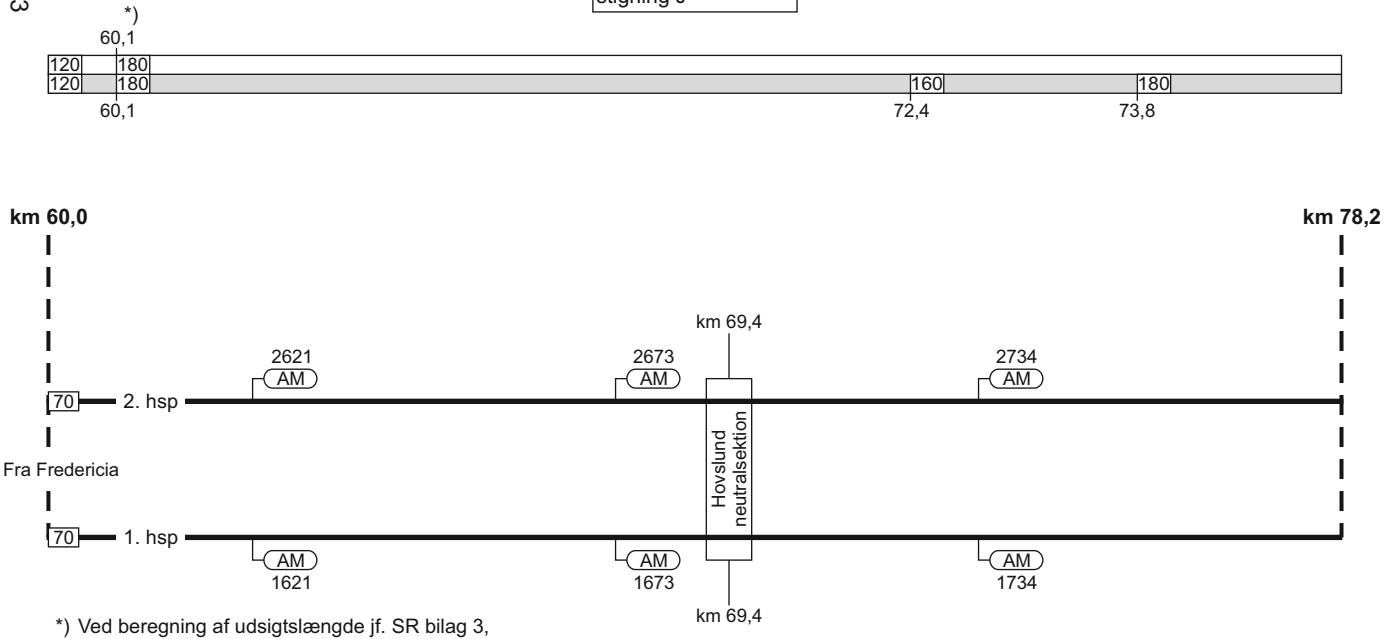


26. Fredericia - Padborg

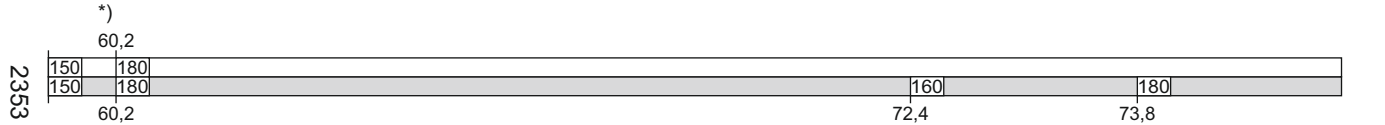


26. Fredericia - Padborg

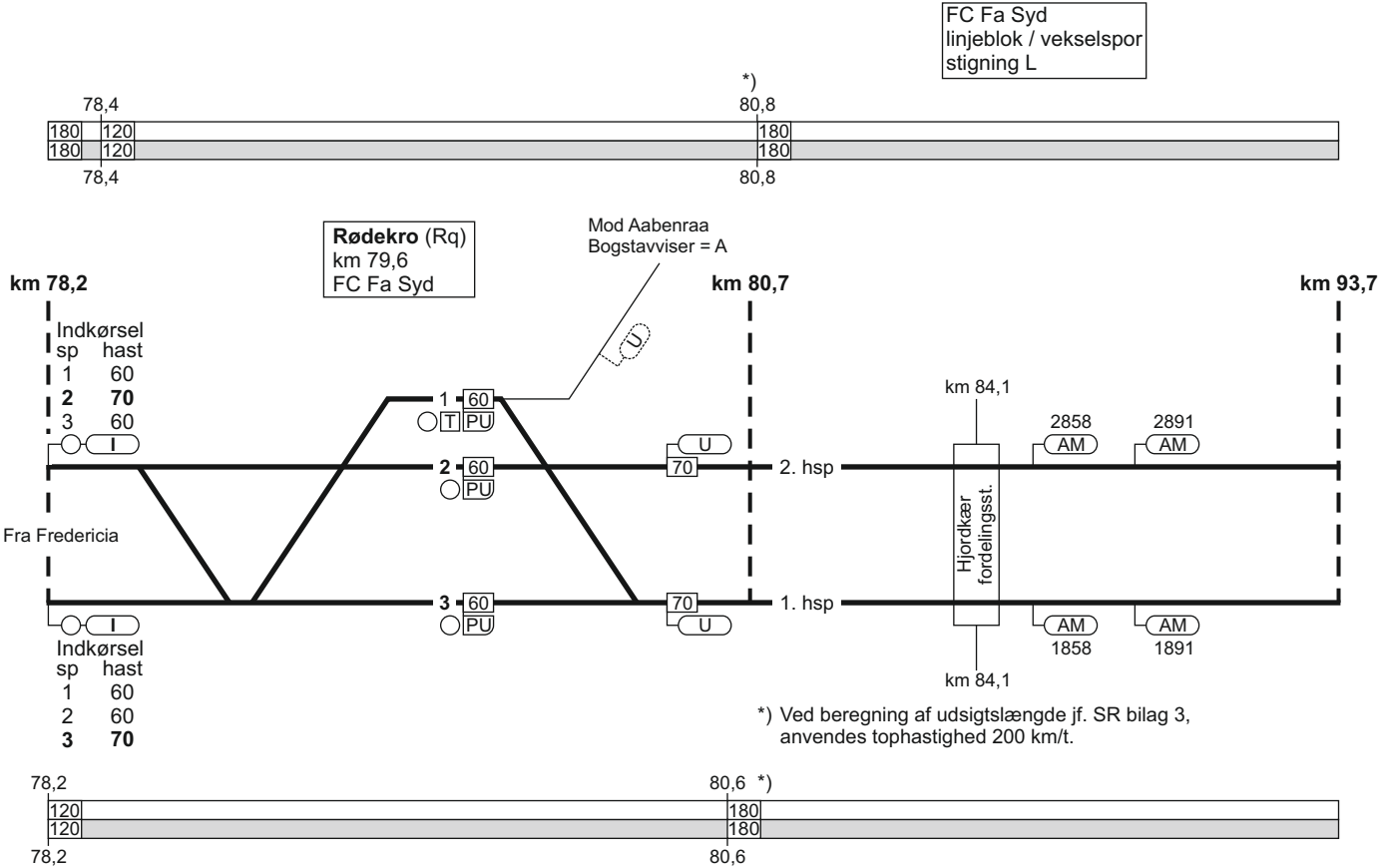
FC Fa Syd
linjeblok / vekselspor
stigning J



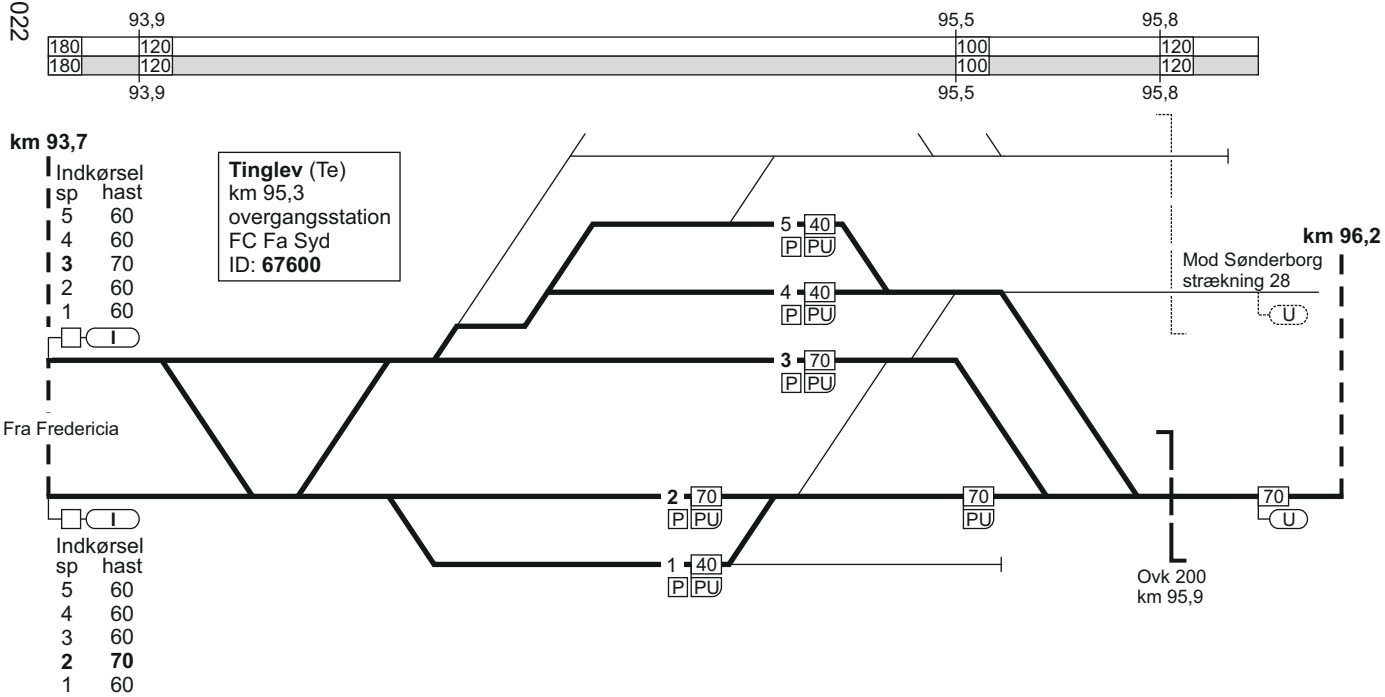
*) Ved beregning af udsigtslængde jf. SR bilag 3, anvendes tophastighed 200 km/t.

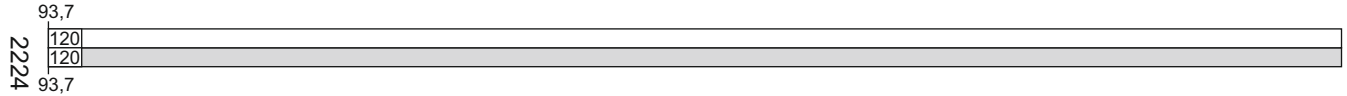


26. Fredericia - Padborg

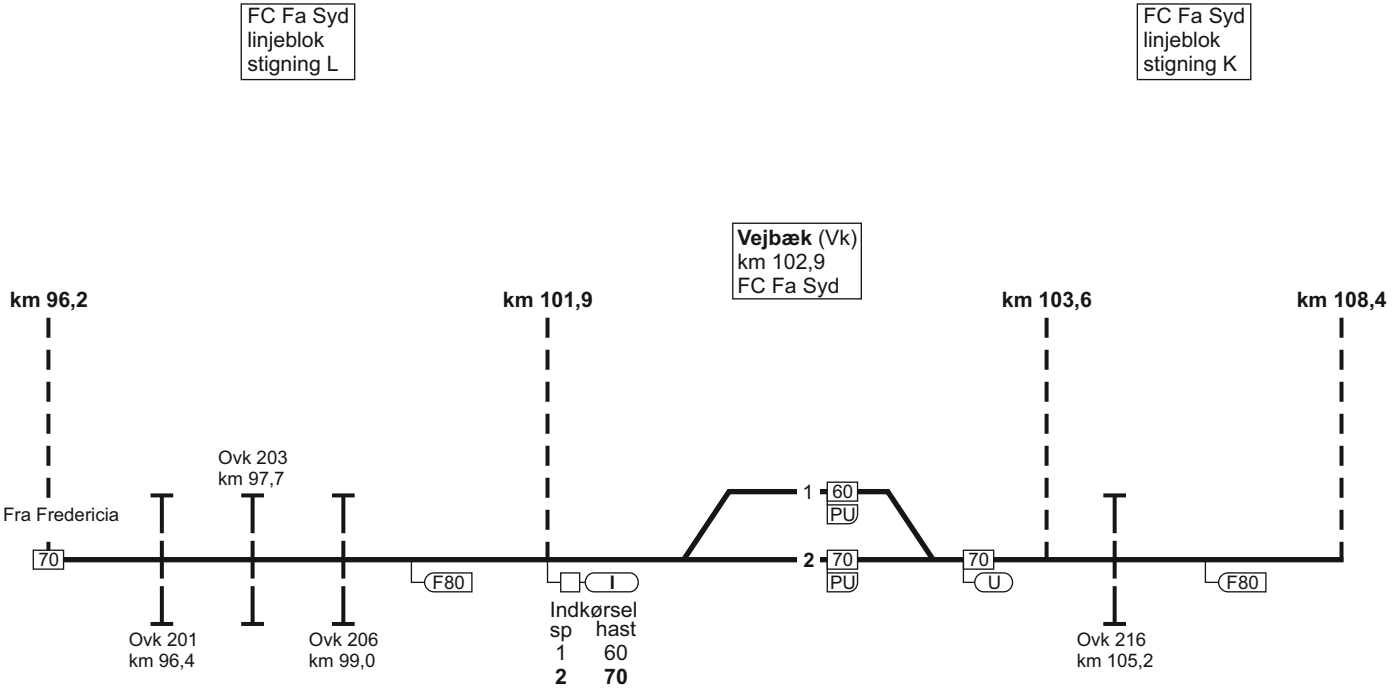


26. Fredericia - Padborg



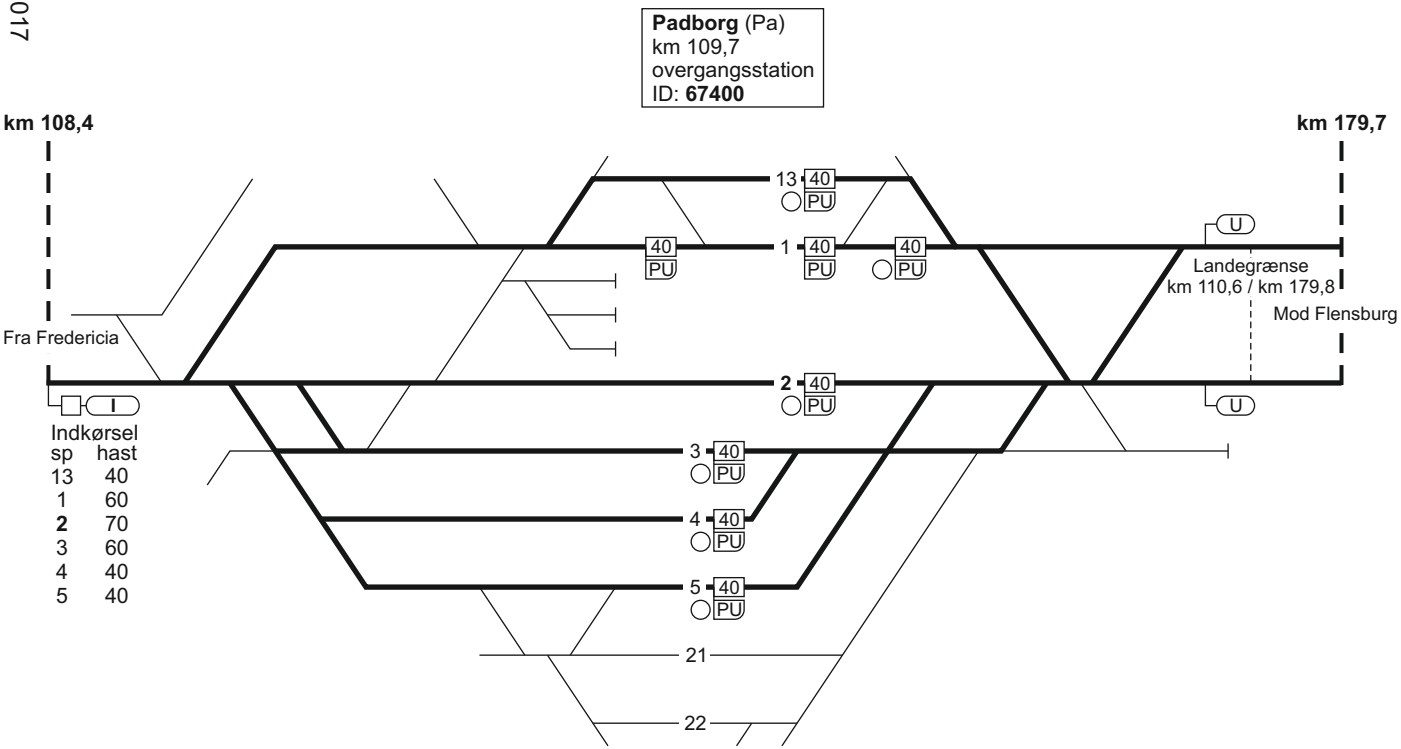


26. Fredericia - Padborg

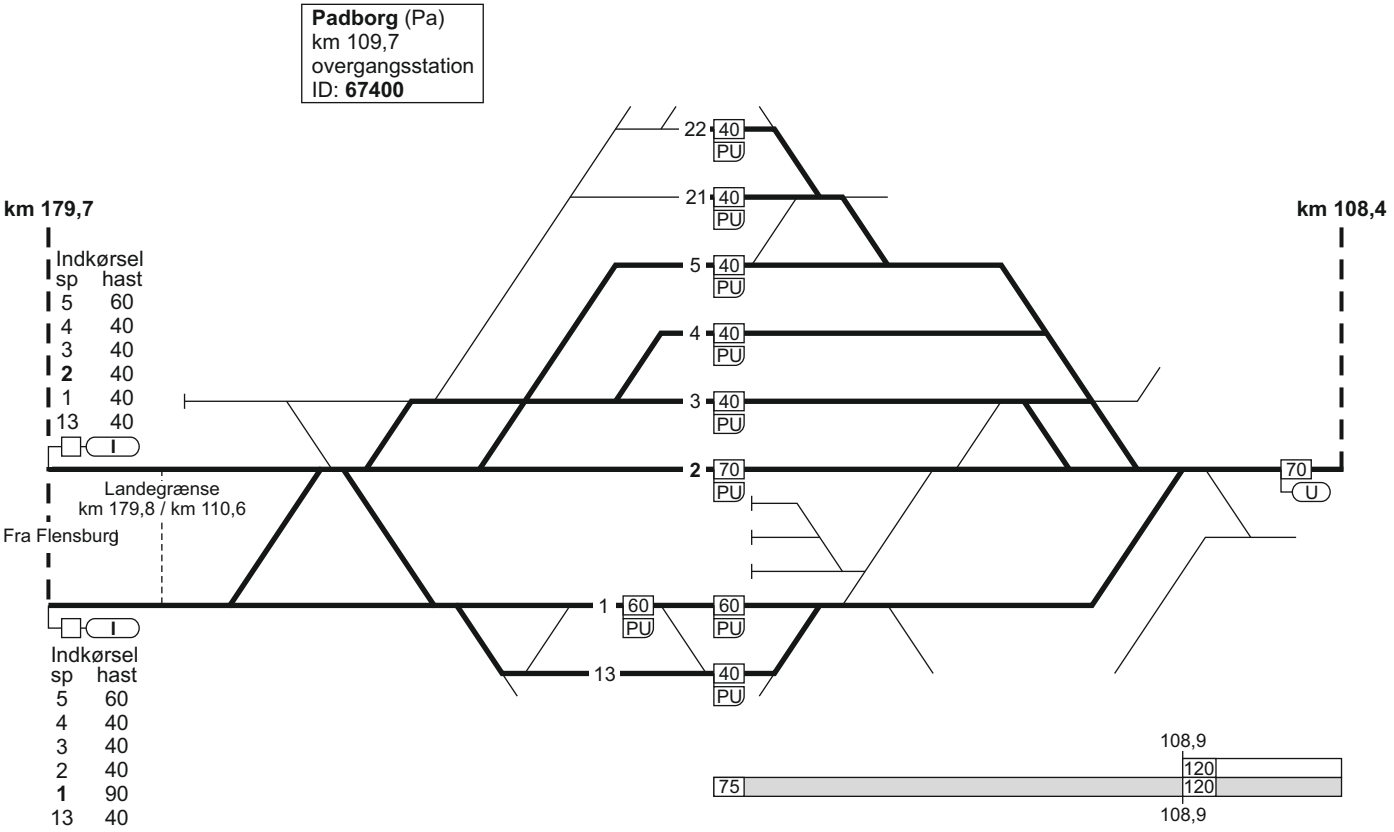


120	
120	

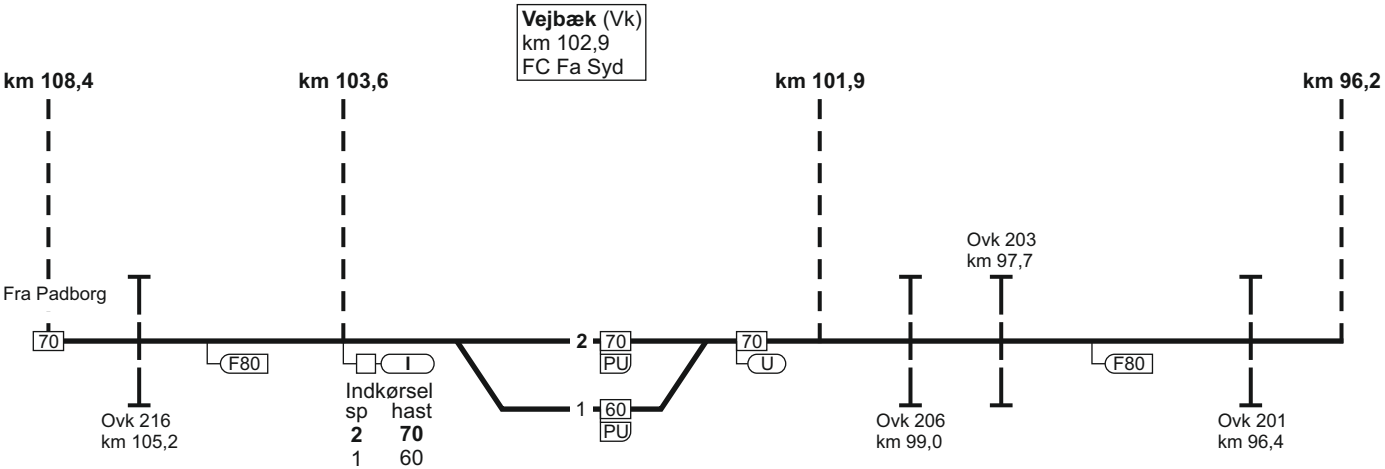
26. Fredericia - Padborg



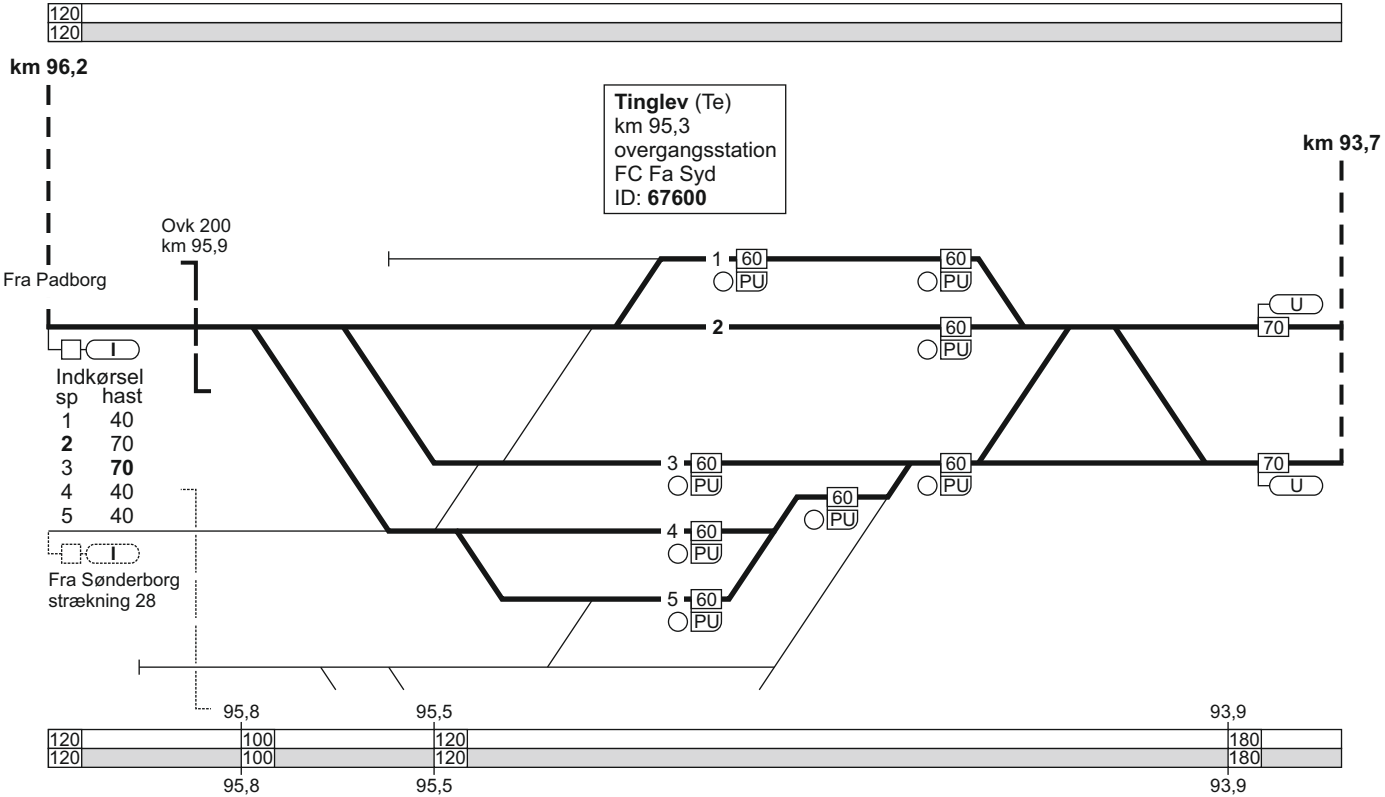
26. Padborg - Fredericia



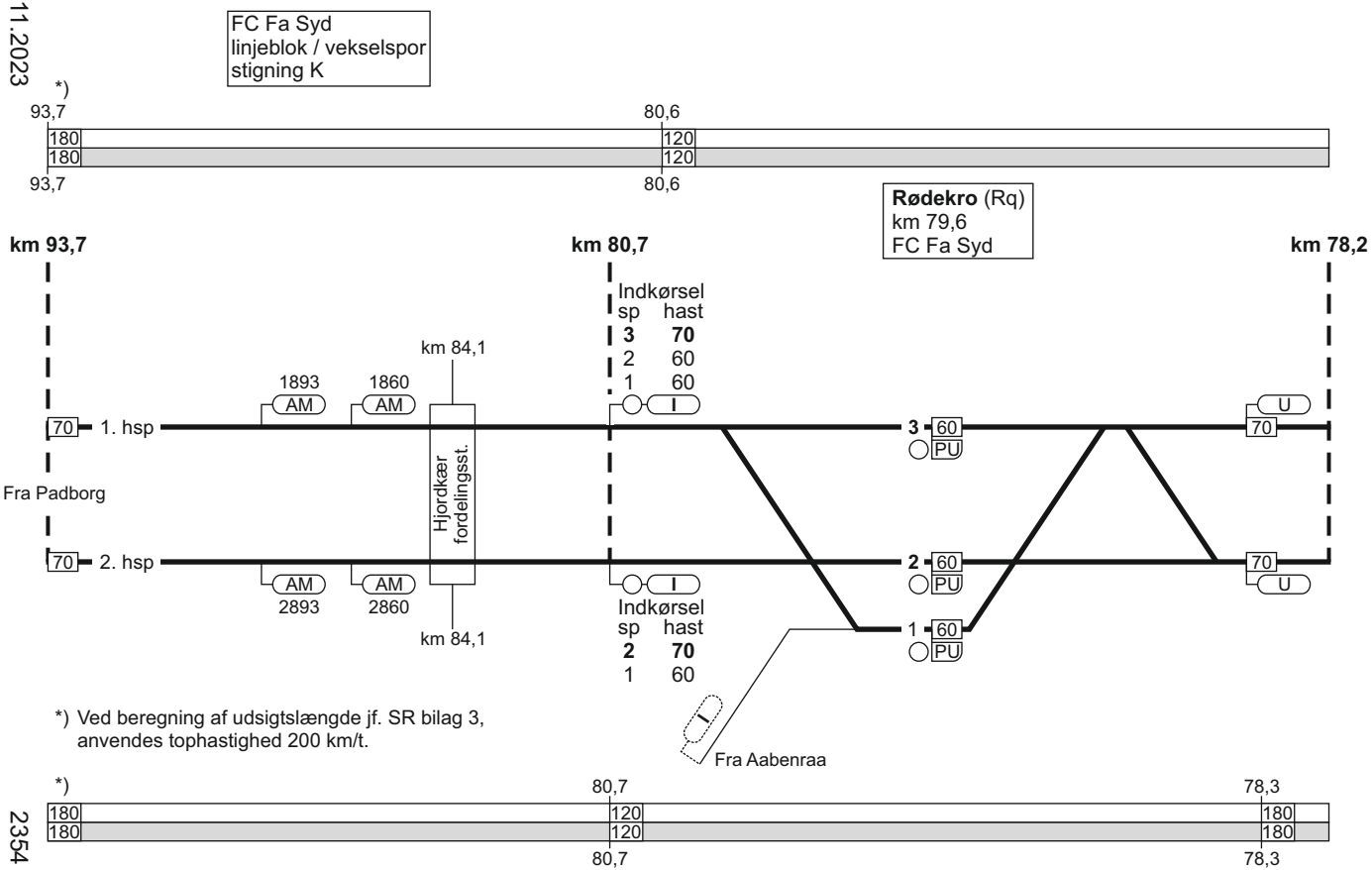
26. Padborg - Fredericia



26. Padborg - Fredericia



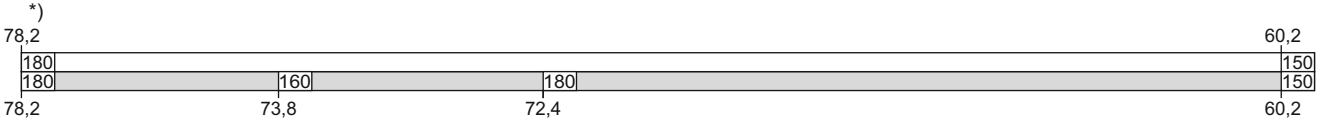
26. Padborg - Fredericia

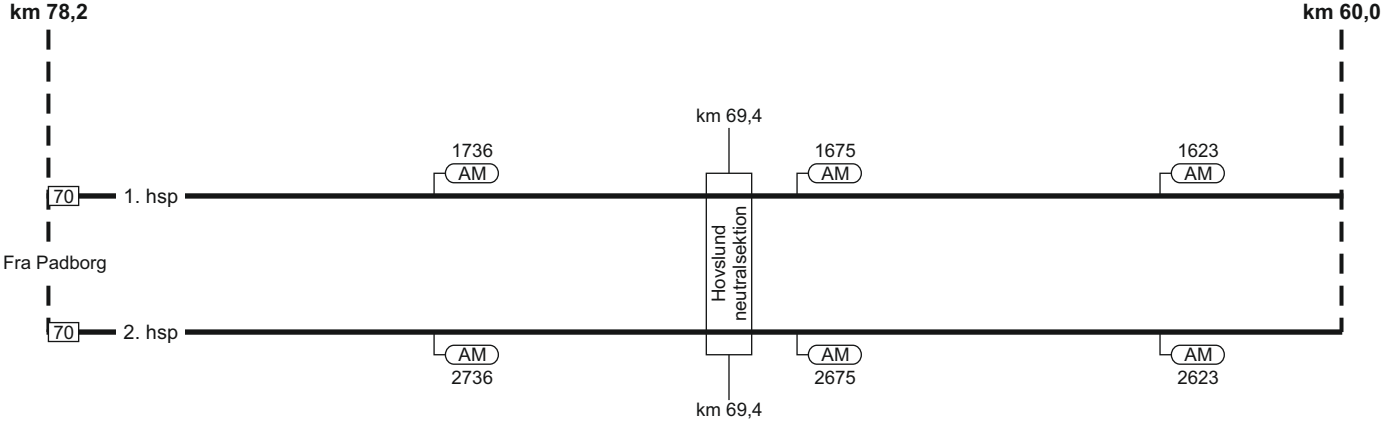


*) Ved beregning af udsigtslængde jf. SR bilag 3, anvendes tophastighed 200 km/t.

26. Padborg - Fredericia

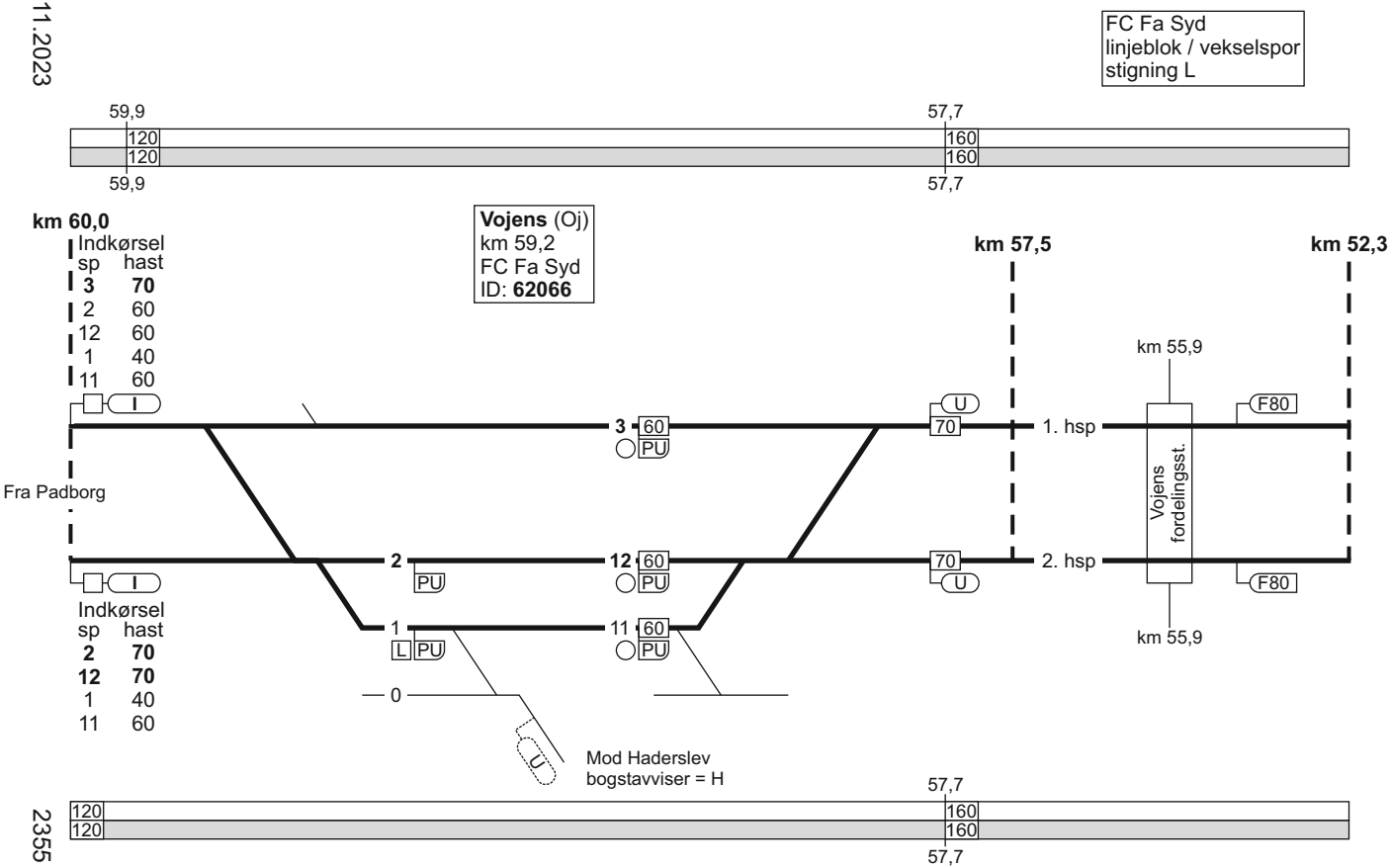
FC Fa Syd
linjeblok / vekselspor
stigning K





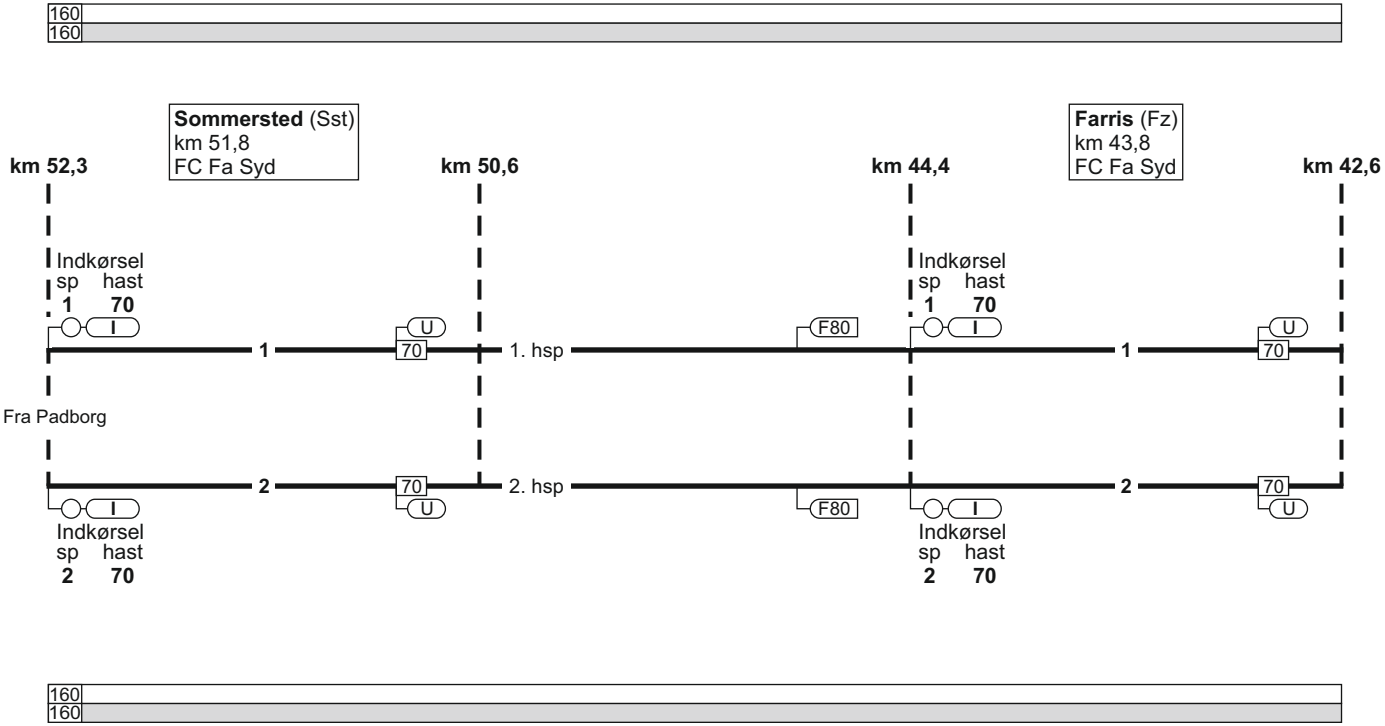
*) Ved beregning af udsigtslængde jf. SR bilag 3, anvendes tophastighed 200 km/t.

26. Padborg - Fredericia

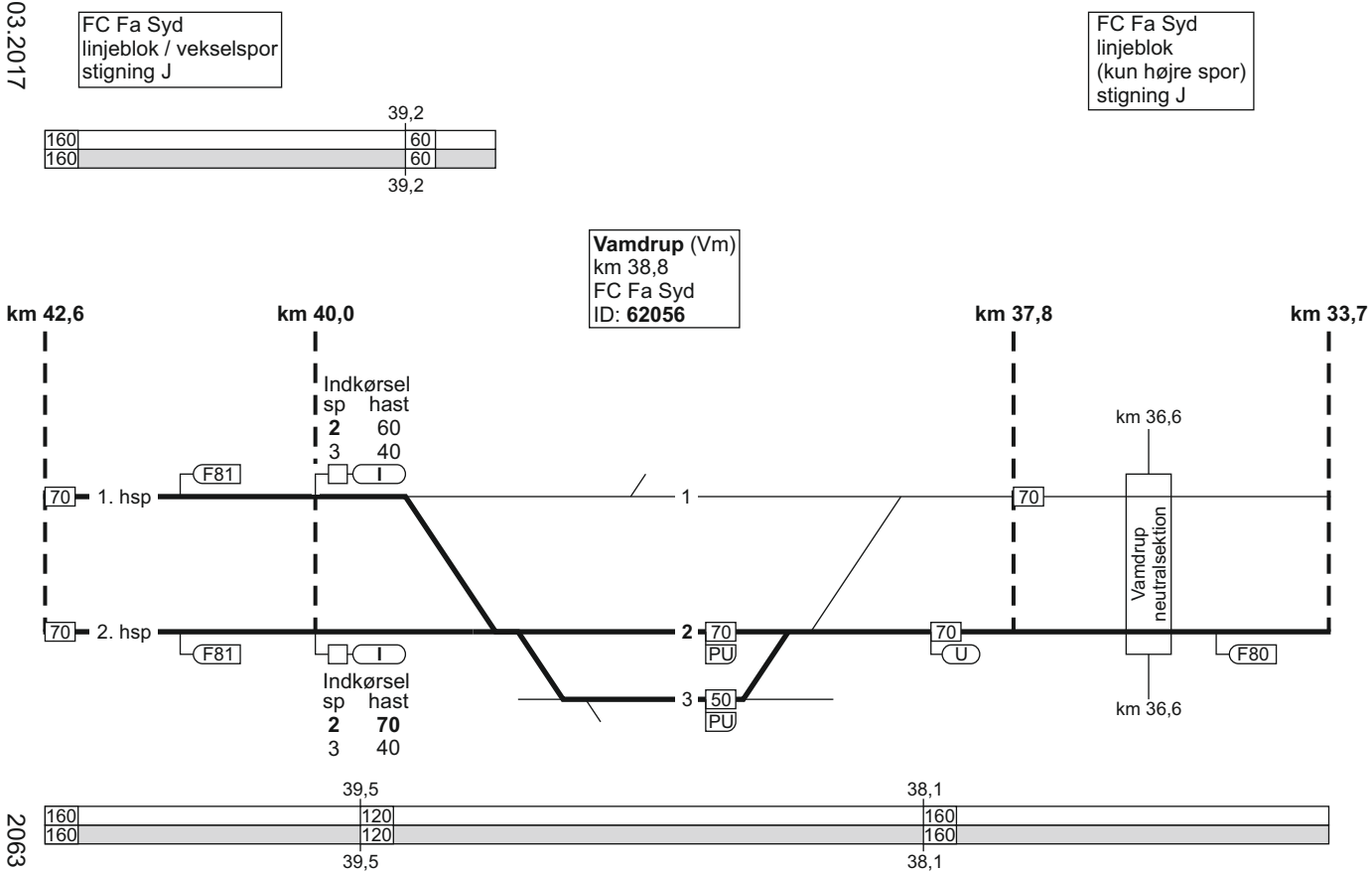


26. Padborg - Fredericia

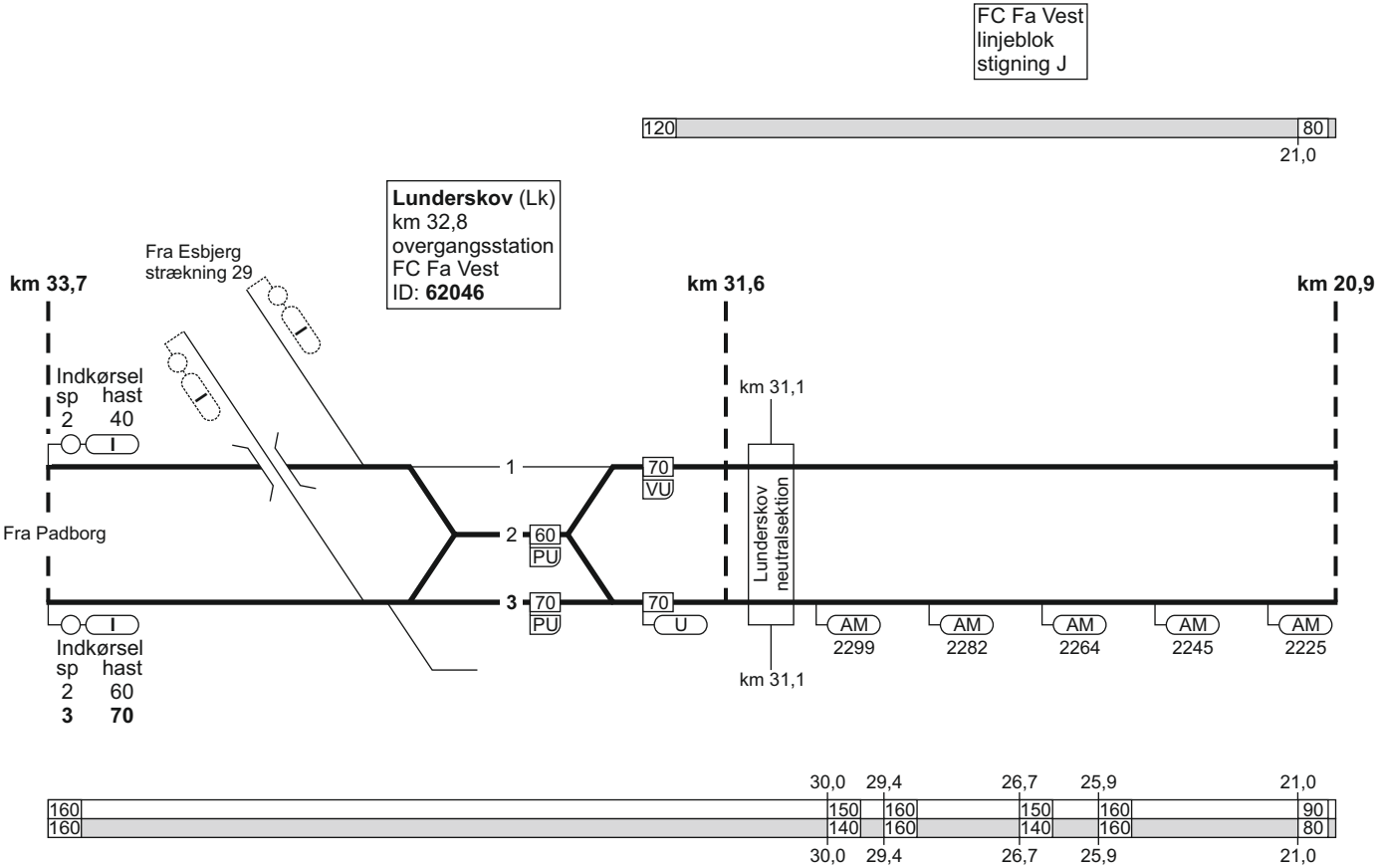
FC Fa Syd
linjeblok / vekselspor
stigning J



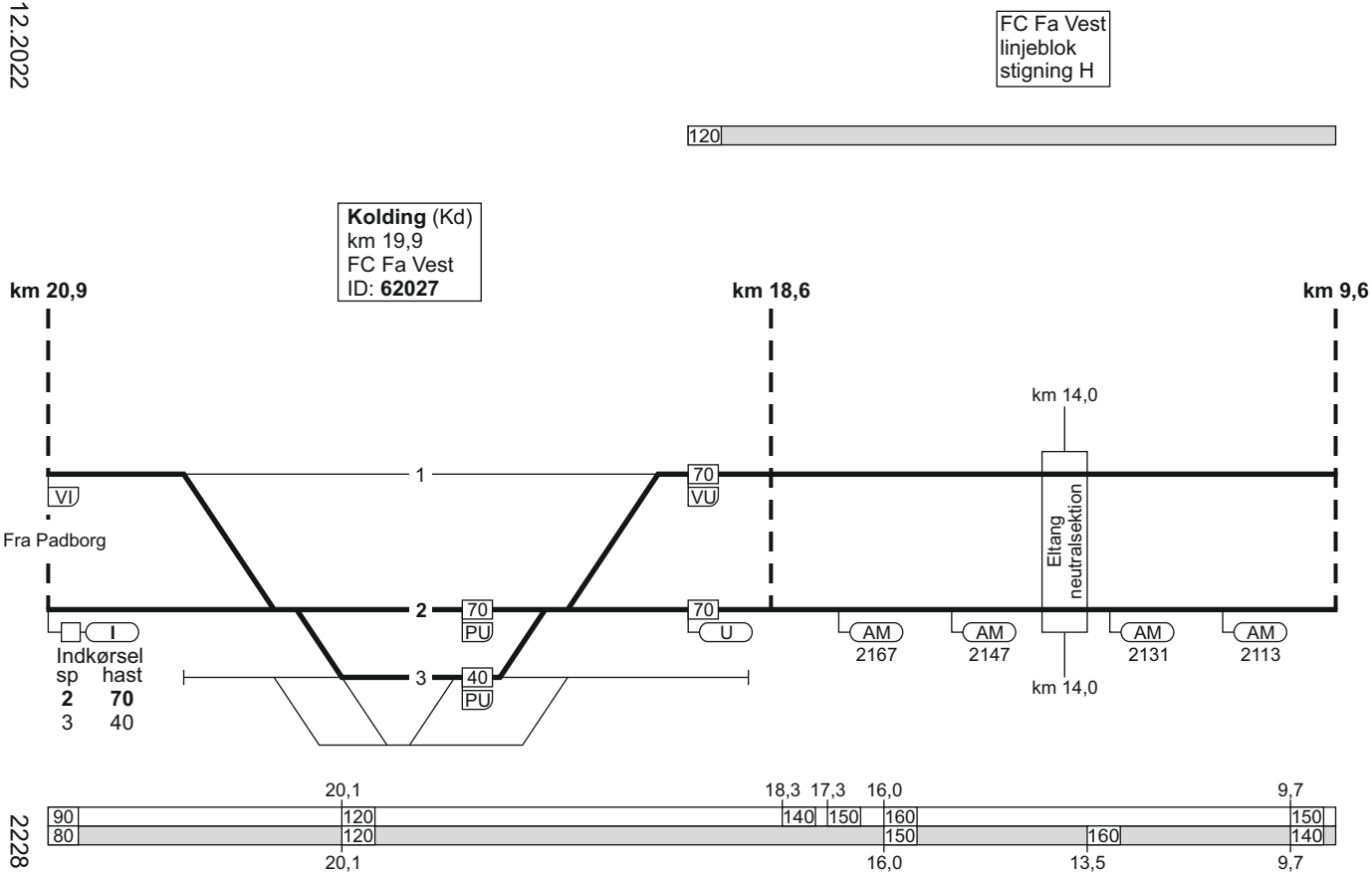
26. Padborg - Fredericia



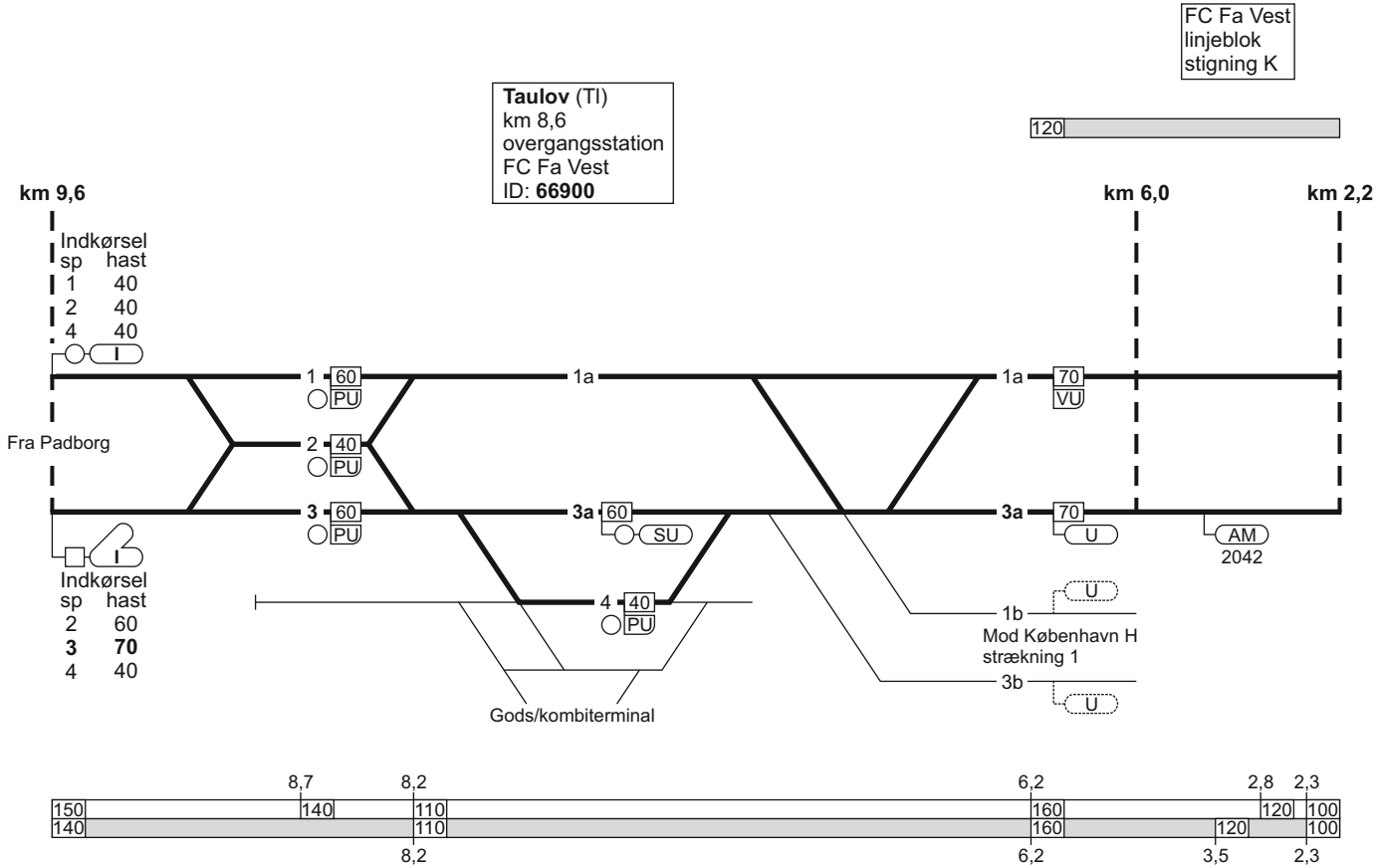
26. Padborg - Fredericia



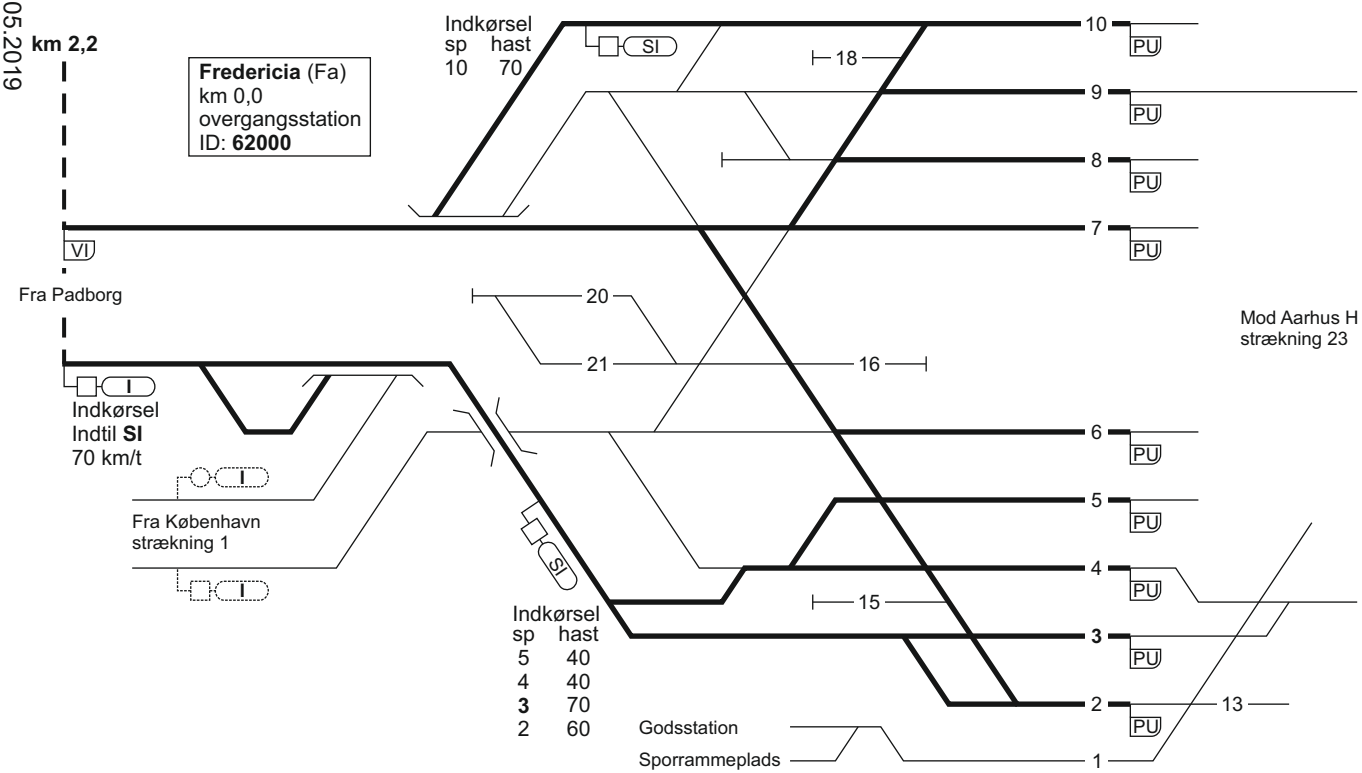
26. Padborg - Fredericia

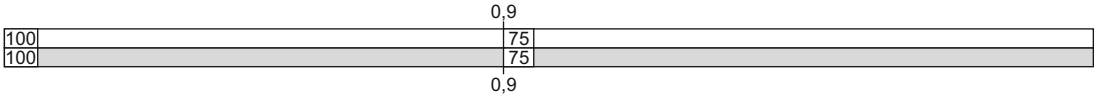


26. Padborg - Fredericia



26. Padborg - Fredericia





26. Fredericia - Padborg

Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Fredericia			**Ved indkørsel fra Taulov for MF-tog, som skal sammenkobles i spor 10:** Først ankommende togdel skal standse ud for standsningsmærke anbragt til venstre for sporet. G- og M-tog skal køre helt frem til togvejens endepunkt.	**Kmp:** 82 27 23 05 GSM-R: 81 99 12 20 **FC:** Fa - Lk 82 27 25 15 GSM-R: 81 99 12 24 Lk (ekskl.) - Pa (ekskl.) 82 27 25 14 GSM-R: 81 99 12 26
Taulov				GSM-R: 81 99 12 69

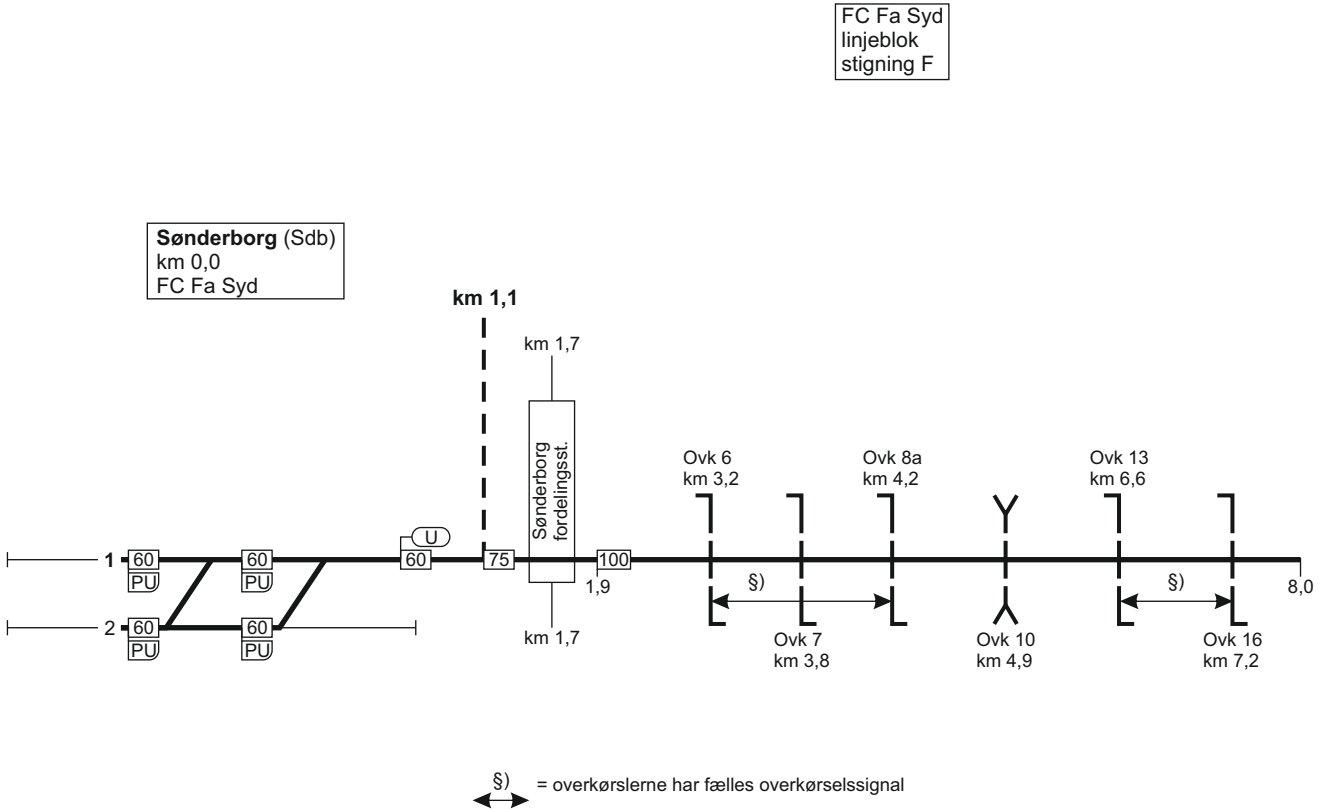
Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Kolding			**Ved indkørsel fra Lunderskov** Tog som skal sammenkobles i spor 2: Først ankommende togdel skal standse ud for «200-metermærket» (SR-mærke 17.20.), hvis togdelen består af 1 togsæt. Først ankommende togdel skal standse ud for «S-mærket» (SR-mærke 17.18.), hvis togdelen består af 2 togsæt. **Ved indkørsel fra Taulov** Tog som skal sammenkobles i spor 2: Tog skal standse umiddelbart foran Dv-signal 21.	GSM-R: 81 99 12 27
Tinglev				GSM-R: 81 99 12 76
Padborg			**Ved indkørsel fra Syd** Tog fremført af MF, som skal ekspederes ved perron i spor 1: Tog skal standse ud for «S-mærket» (SR-mærke 17.18.).	**Kmp:** 82 27 28 11 GSM-R: 81 99 12 74

28. Sønderborg - Tinglev

Strækningshastighed:

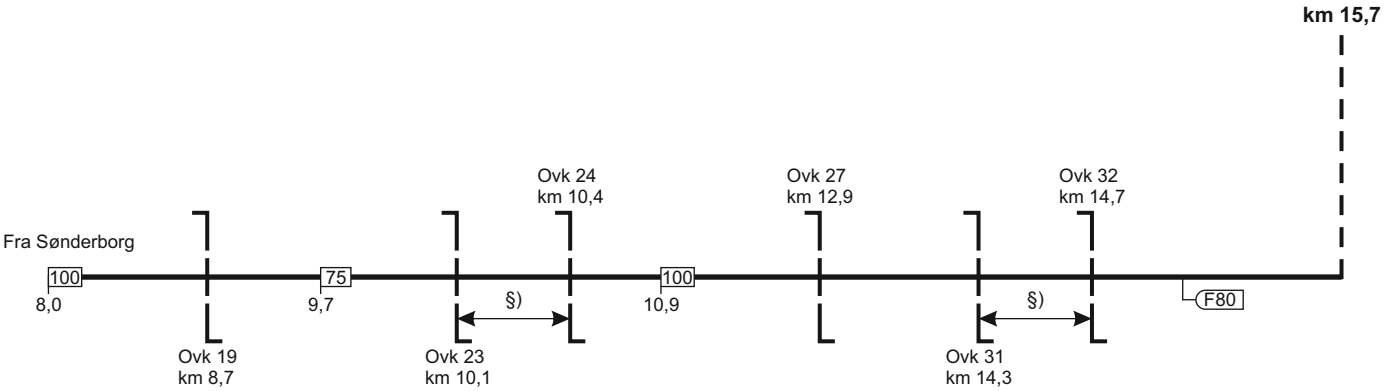
Delstrækning	Strækningshastighed (km/t)
Sønderborg - Tinglev	100

28. Sønderborg - Tinglev



28. Sønderborg - Tinglev

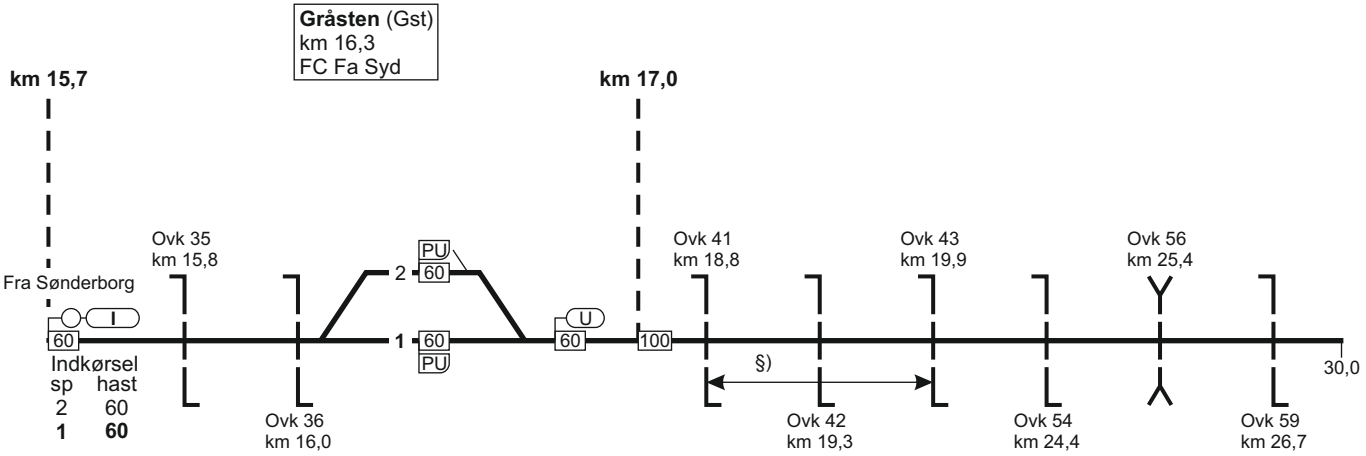
FC Fa Syd
linjeblok
stigning F



§) = overkørslerne har fælles overkørselssignal

28. Sønderborg - Tinglev

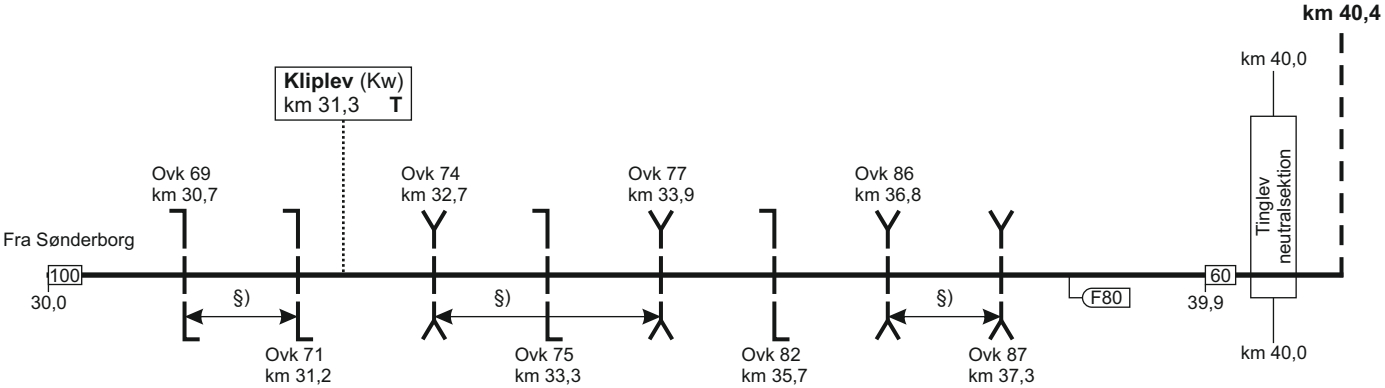
FC Fa Syd
linjeblok
stigning E



§) = overkørslerne har fælles overkørselssignal

28. Sønderborg - Tinglev

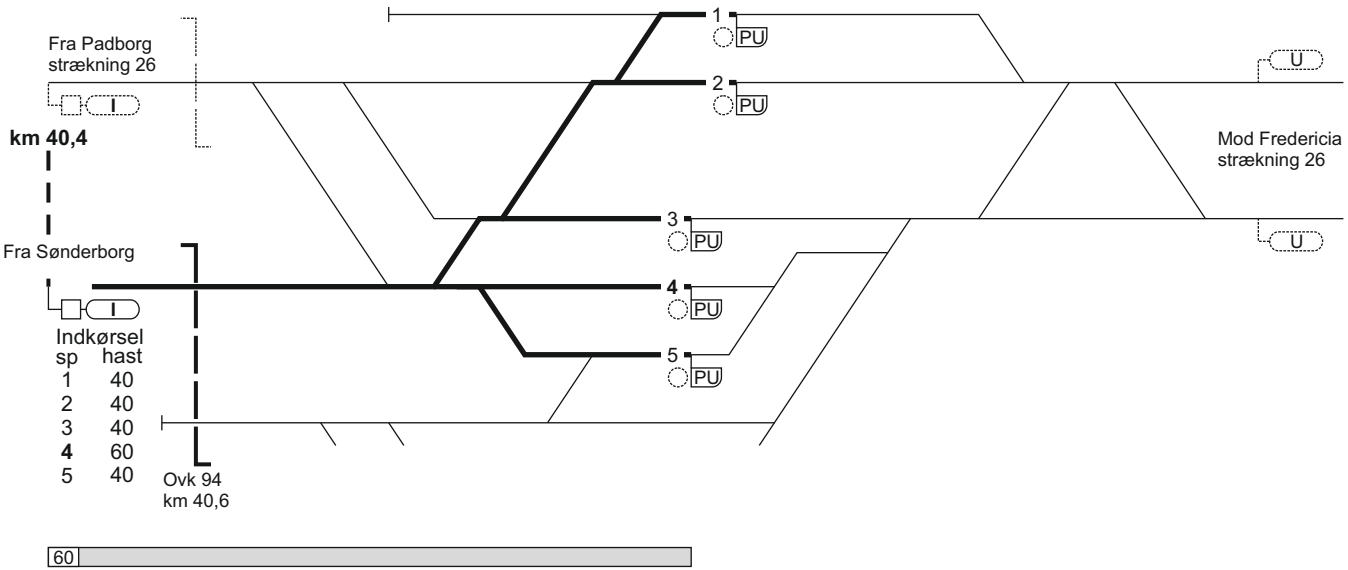
FC Fa Syd
linjeblok
stigning E



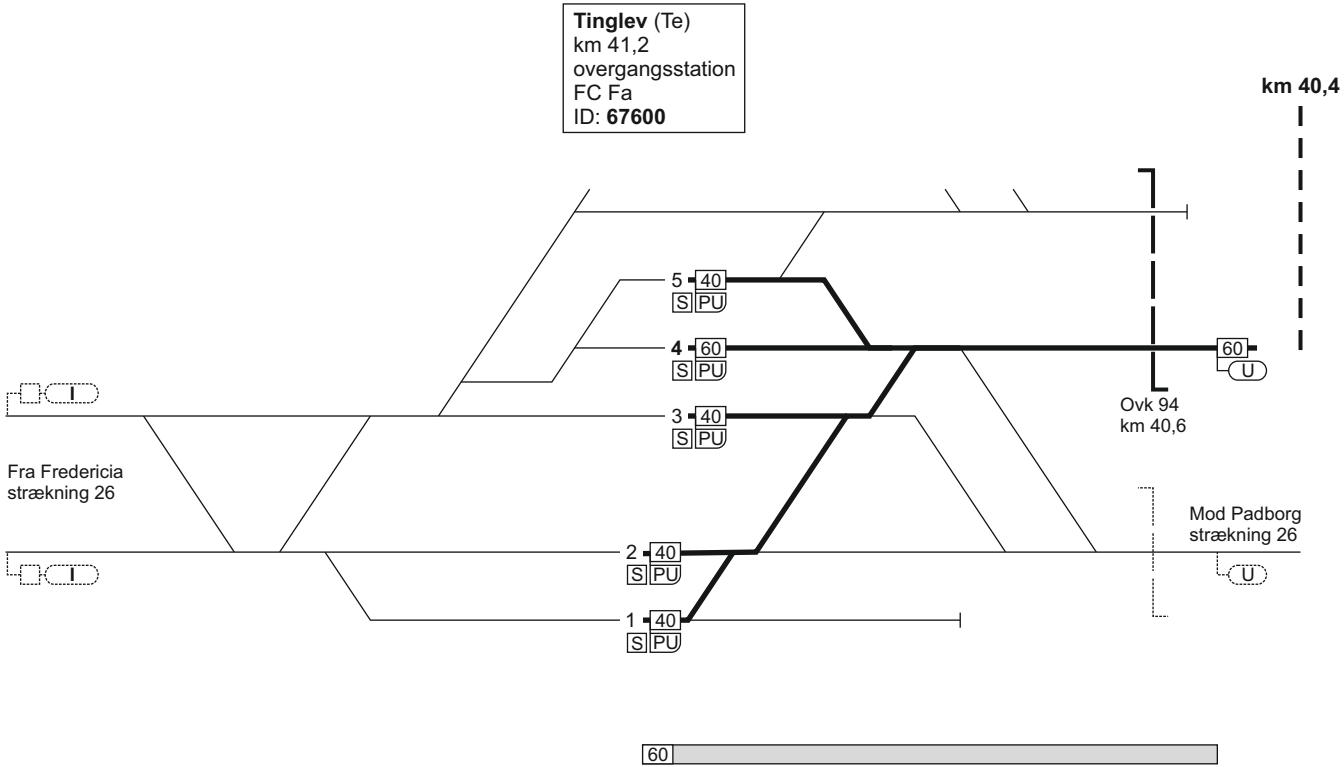
§) = overkørslerne har fælles overkørselssignal

28. Sønderborg - Tinglev

Tinglev (Te)
km 41,2
overgangsstation
FC Fa
ID: **67600**

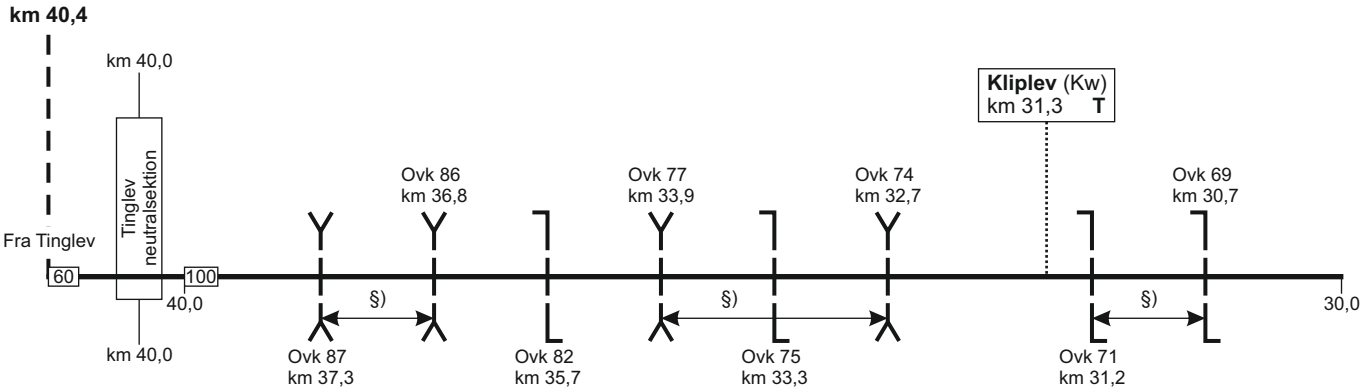


28. Tinglev - Sønderborg



28. Tinglev - Sønderborg

FC Fa Syd
linjeblok
stigning F

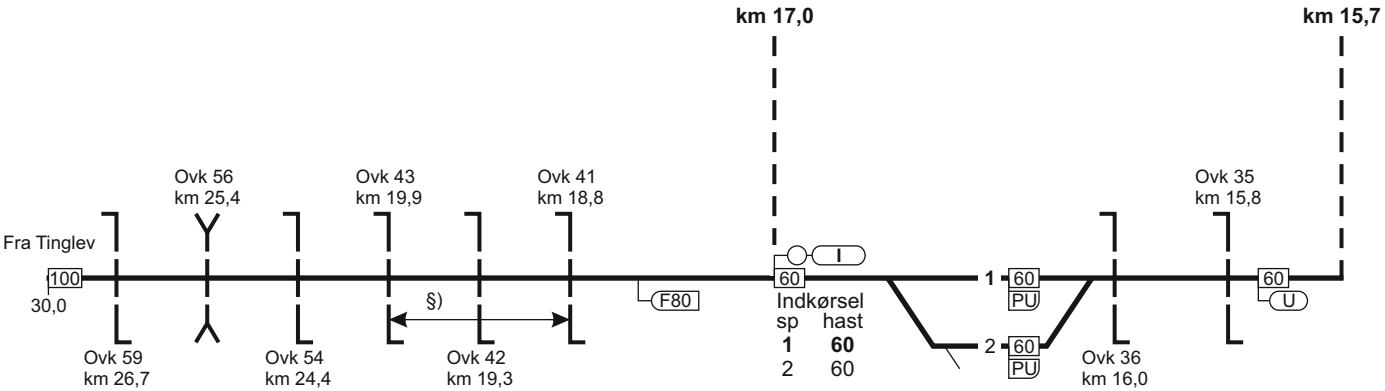


§) = overkørslerne har fælles overkørselssignal

28. Tinglev - Sønderborg

FC Fa Syd
linjeblok
stigning F

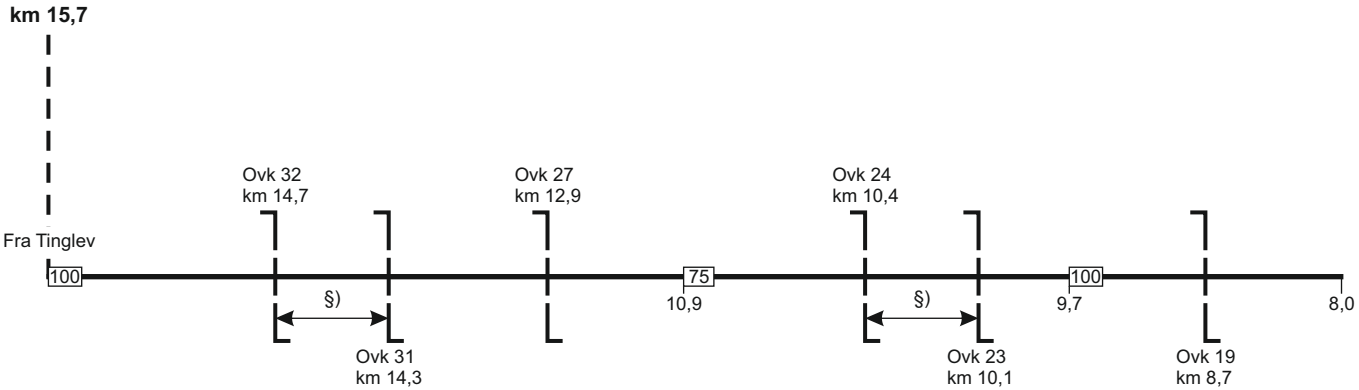
Gråsten (Gst)
km 16,3
FC Fa Syd



§) = overkørslerne har fælles overkørselssignal

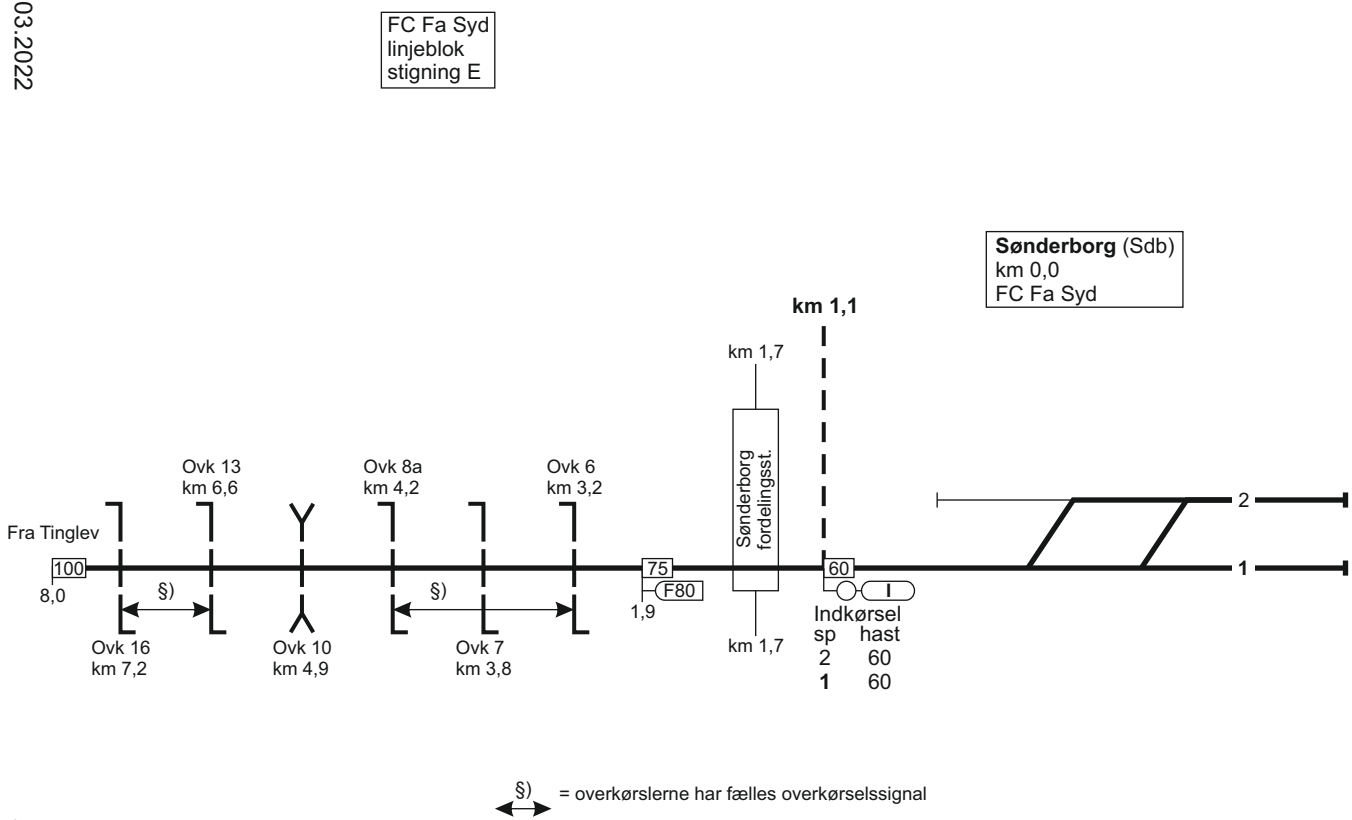
28. Tinglev - Sønderborg

FC Fa Syd
linjeblok
stigning E



§) = overkørslerne har fælles overkørselssignal

28. Tinglev - Sønderborg



28. Sønderborg - Tinglev

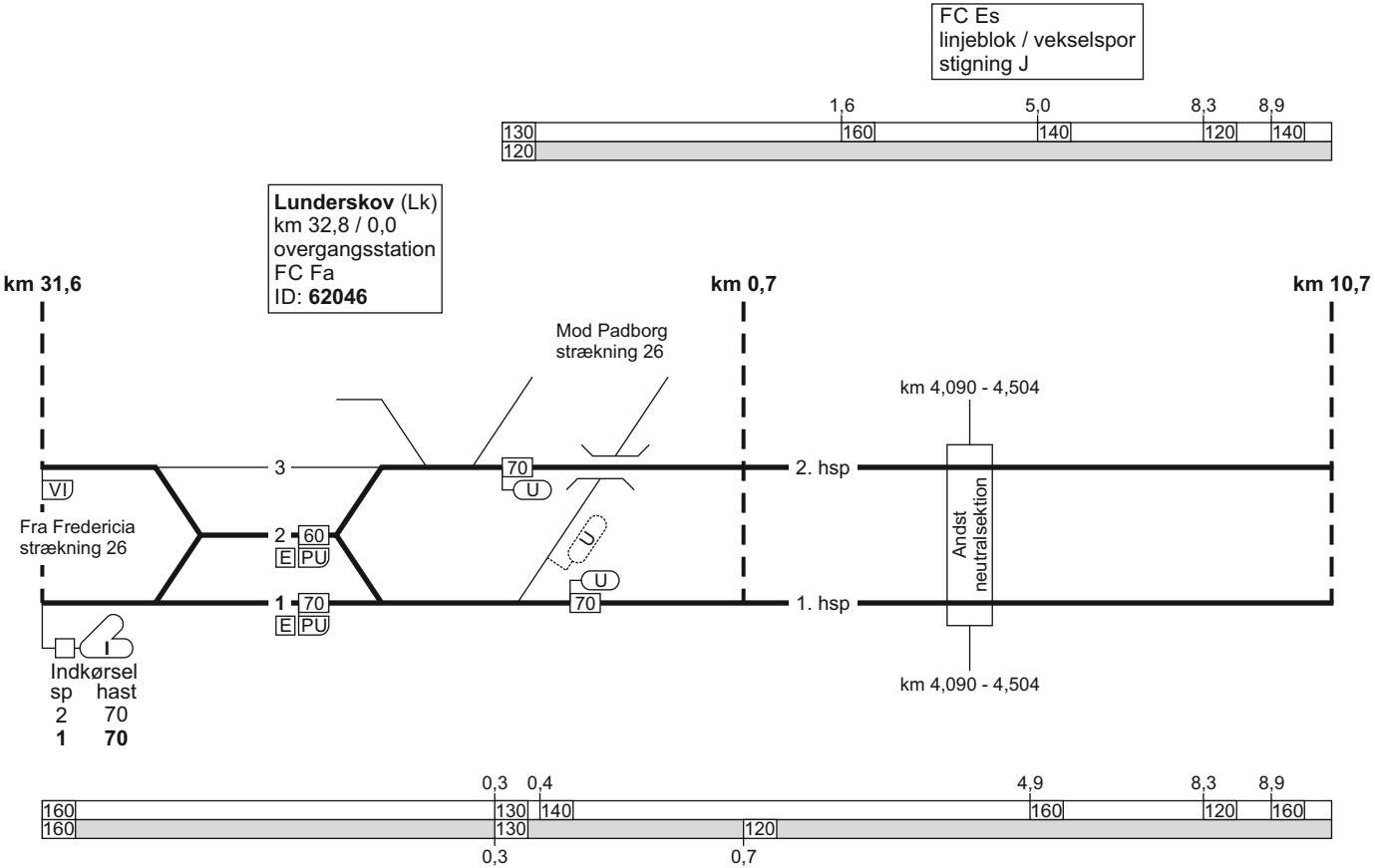
Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Fredericia				**FC:** Sdb - Te 82 27 25 14 GSM-R: 81 99 12 28
Tinglev				GSM-R: 81 99 12 76

29. Lunderskov - Esbjerg

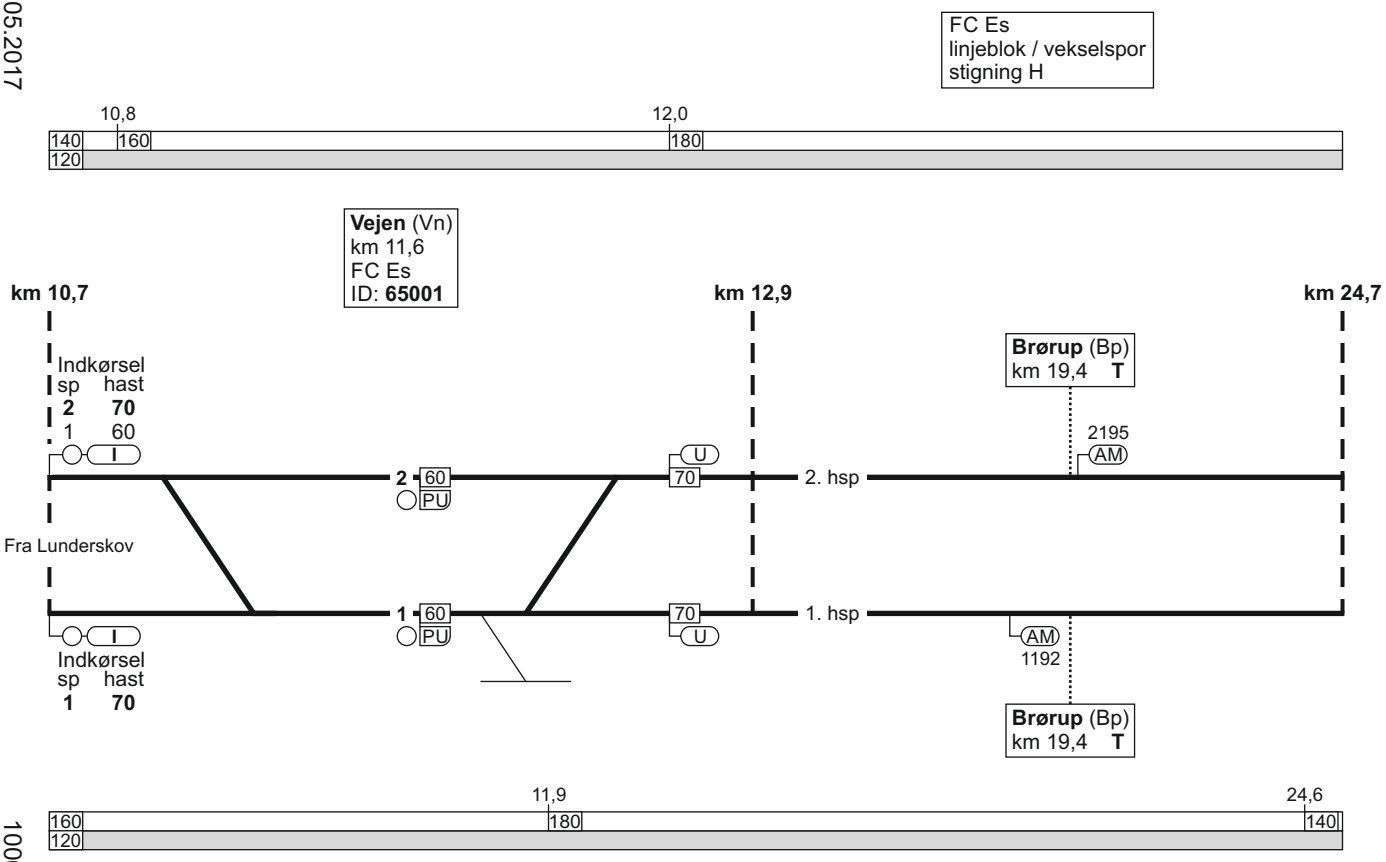
Strækningshastighed:

Delstrækning	Strækningshastighed (km/t)
Lunderskov - Esbjerg	180

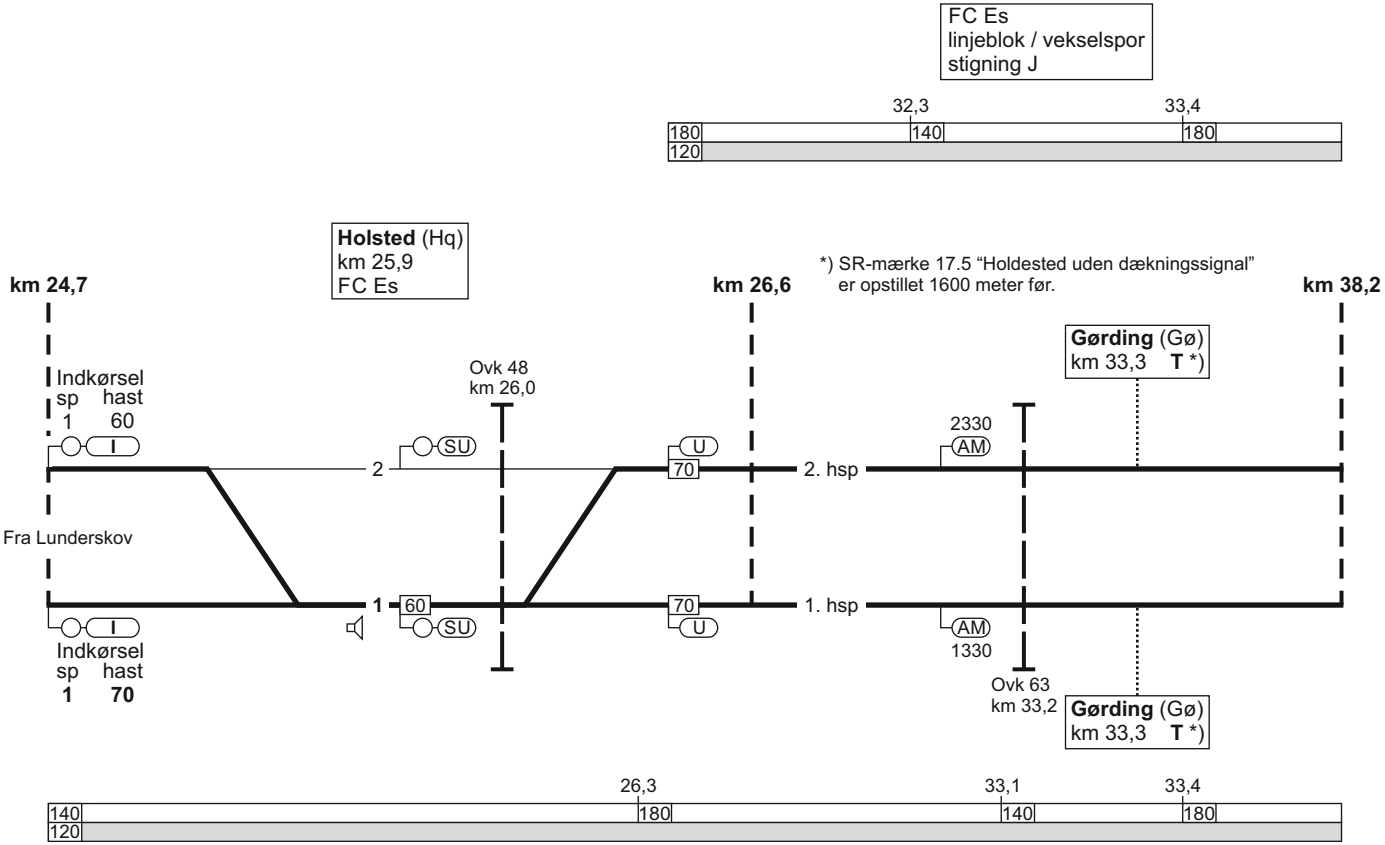
29. Lunderskov - Esbjerg



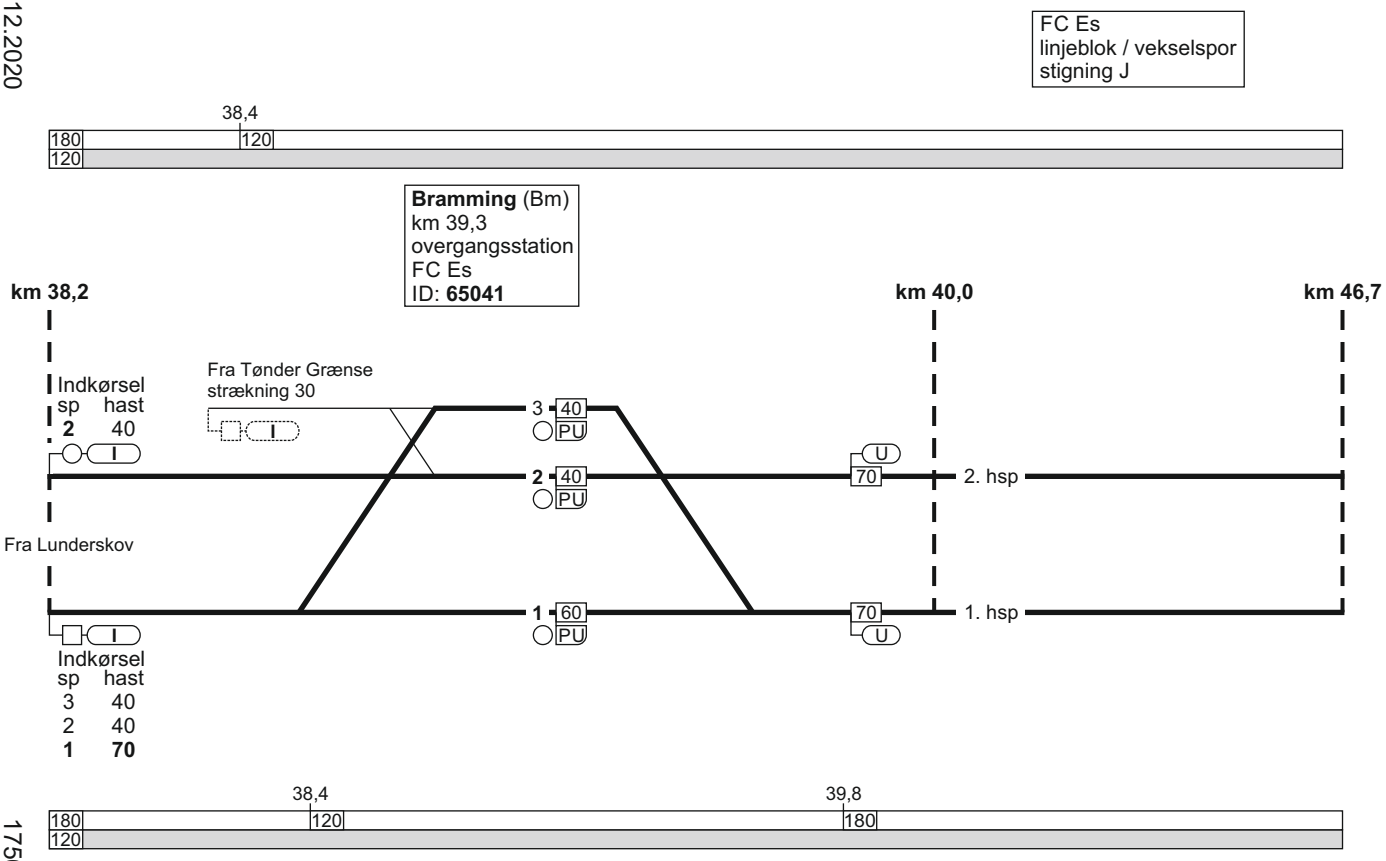
29. Lunderskov - Esbjerg



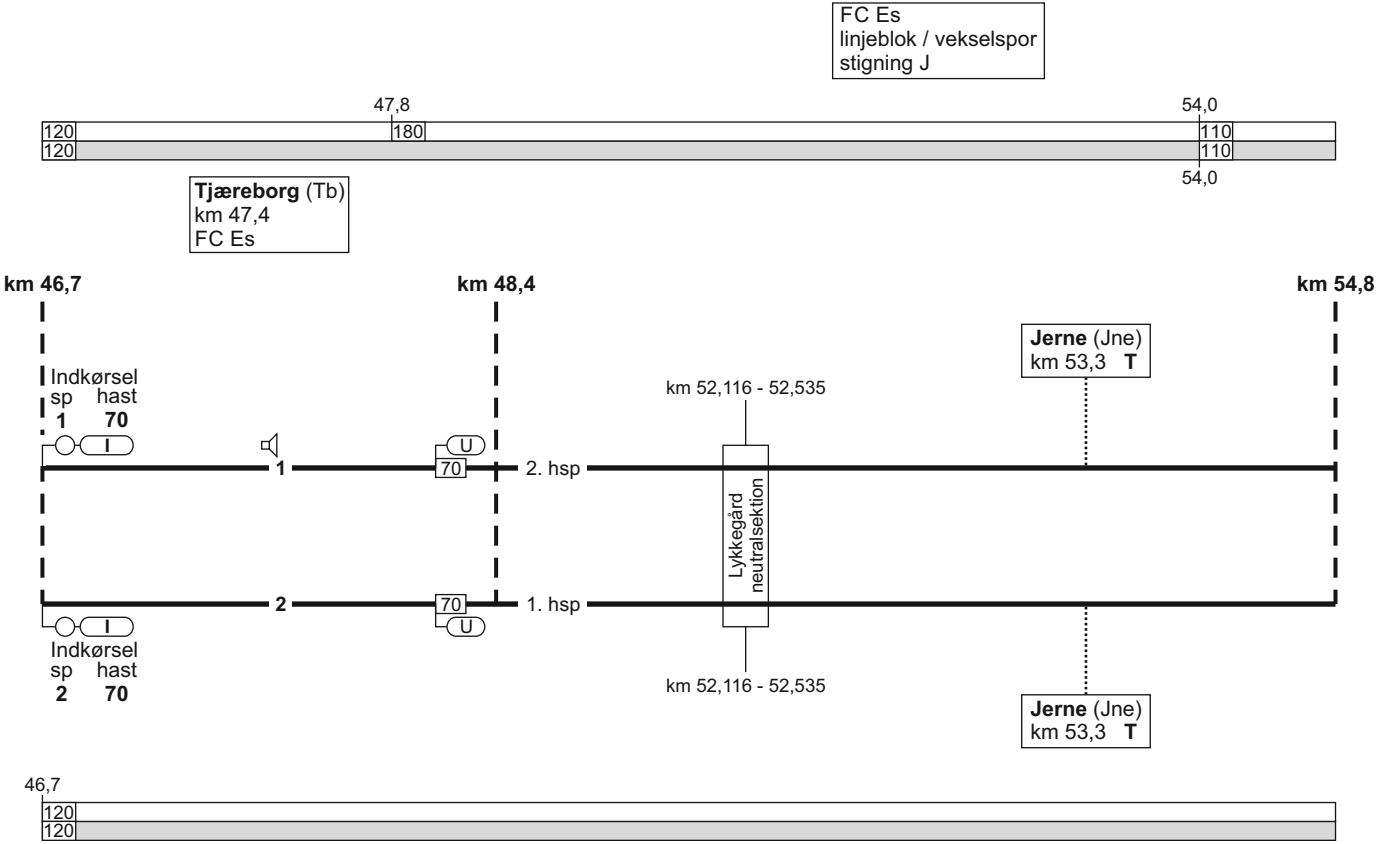
29. Lunderskov - Esbjerg



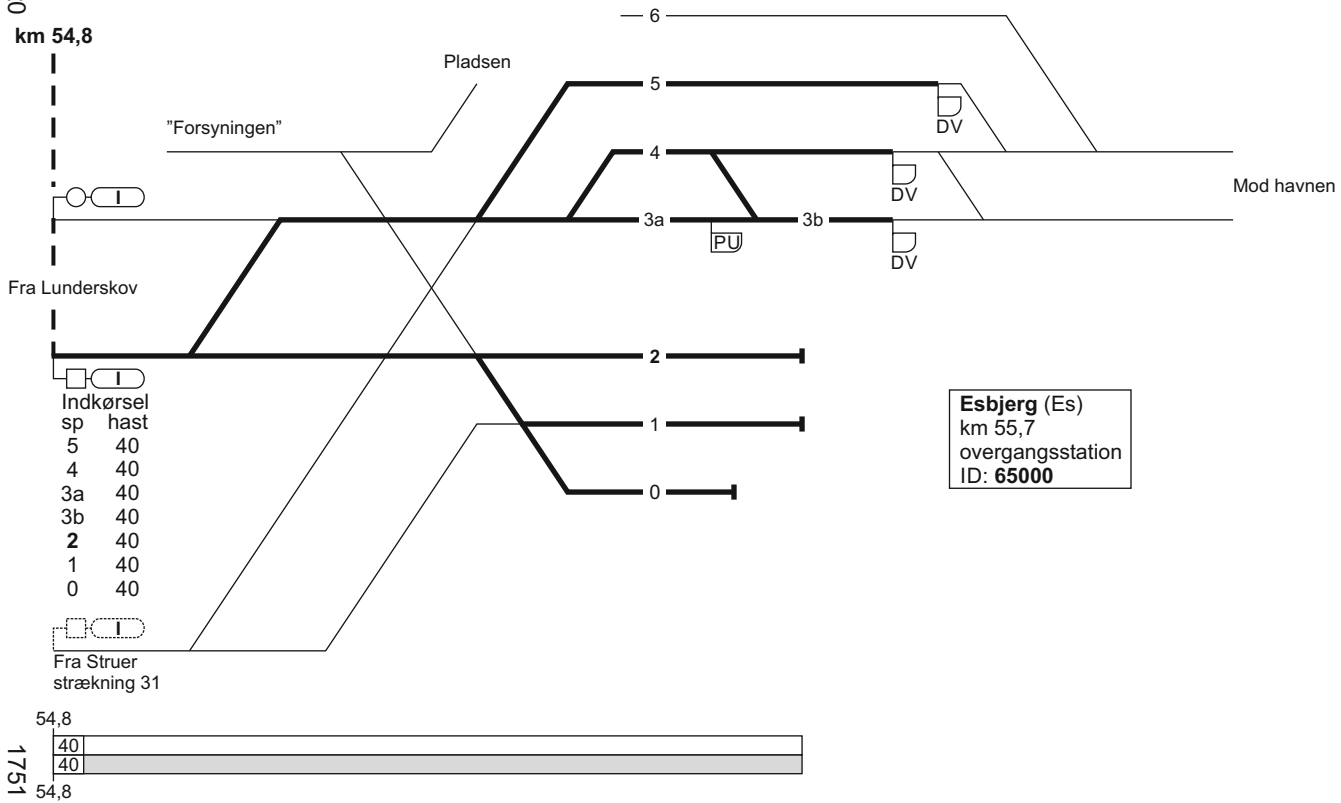
29. Lunderskov - Esbjerg



29. Lunderskov - Esbjerg

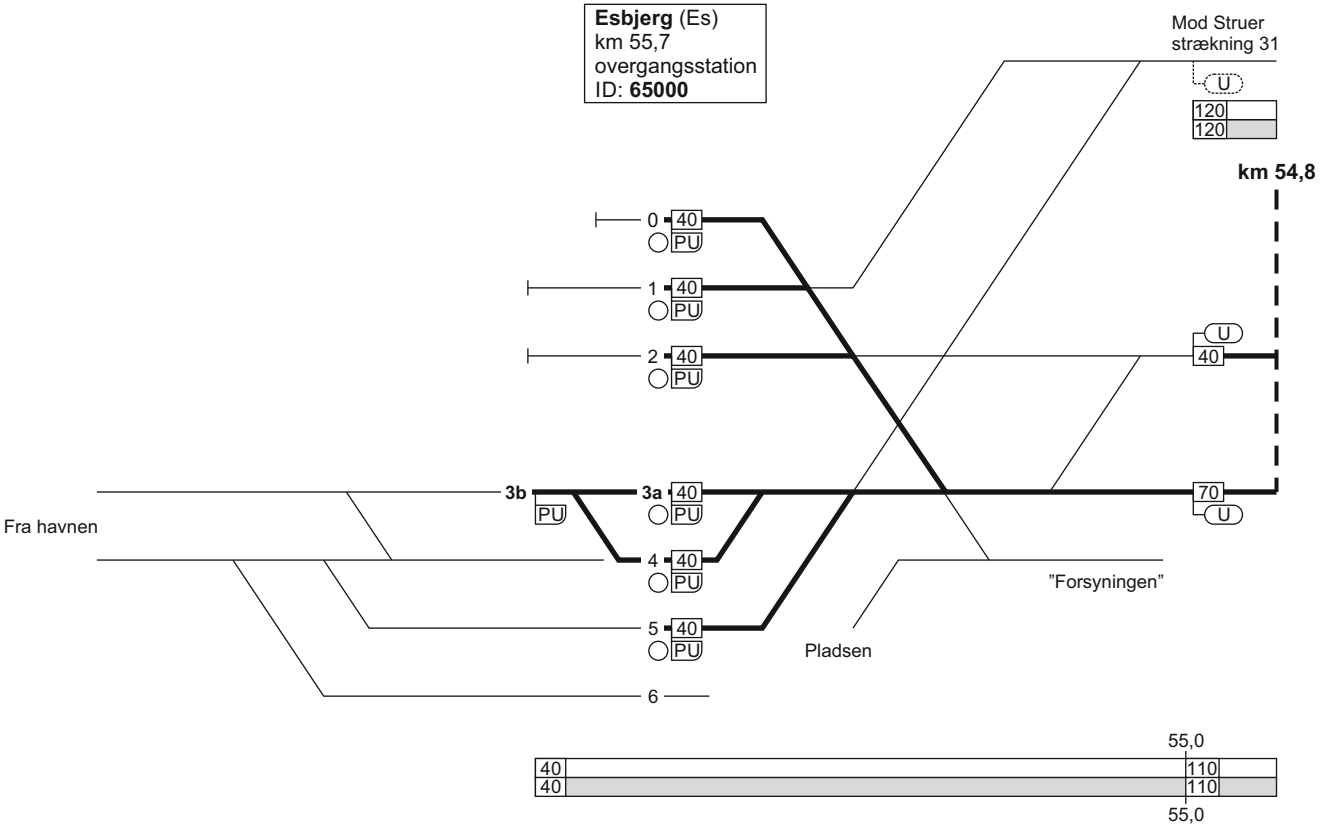


29. Lunderskov - Esbjerg

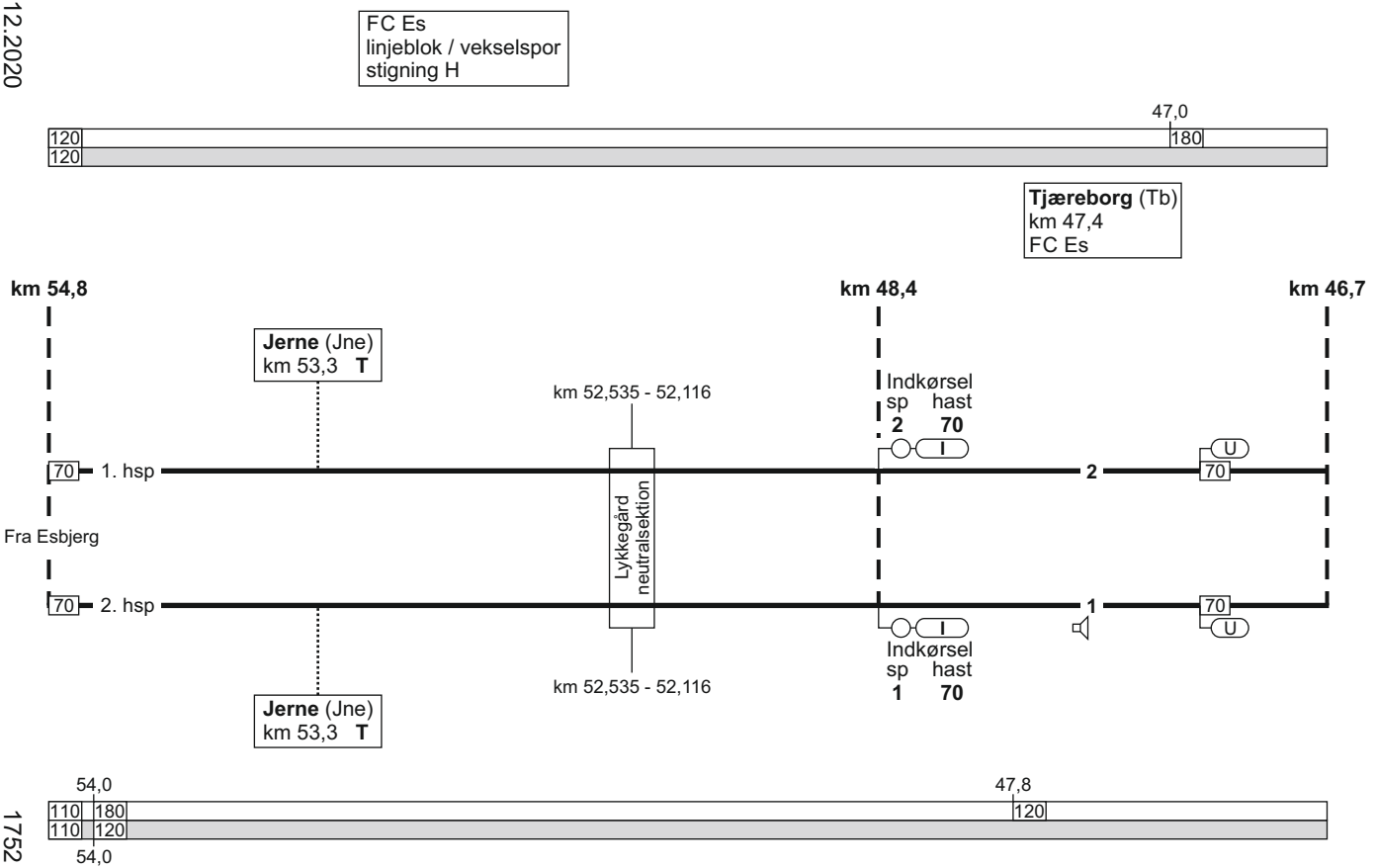


Esbjerg (Es)
km 55,7
overgangsstation
ID: **65000**

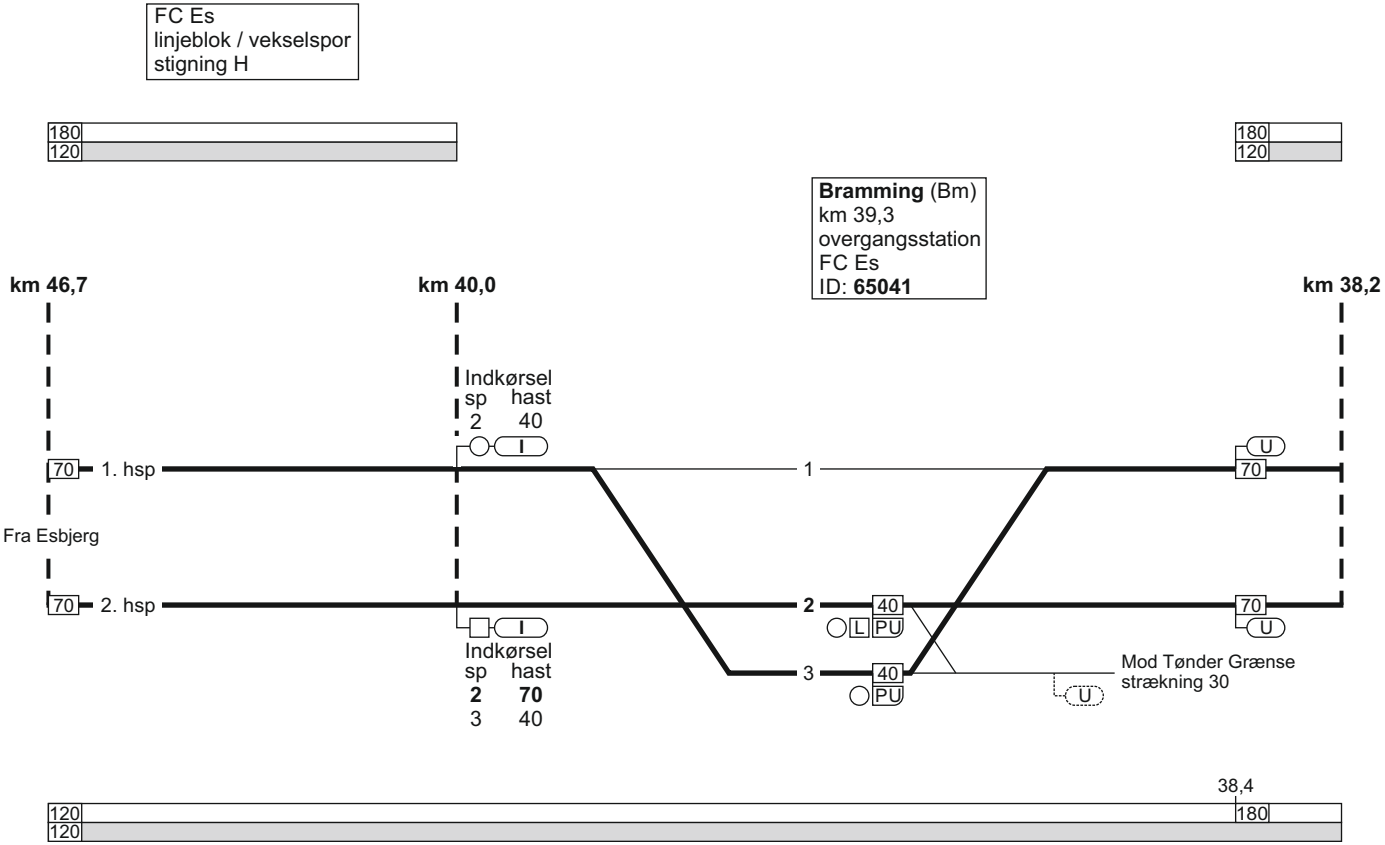
29. Esbjerg - Lunderskov



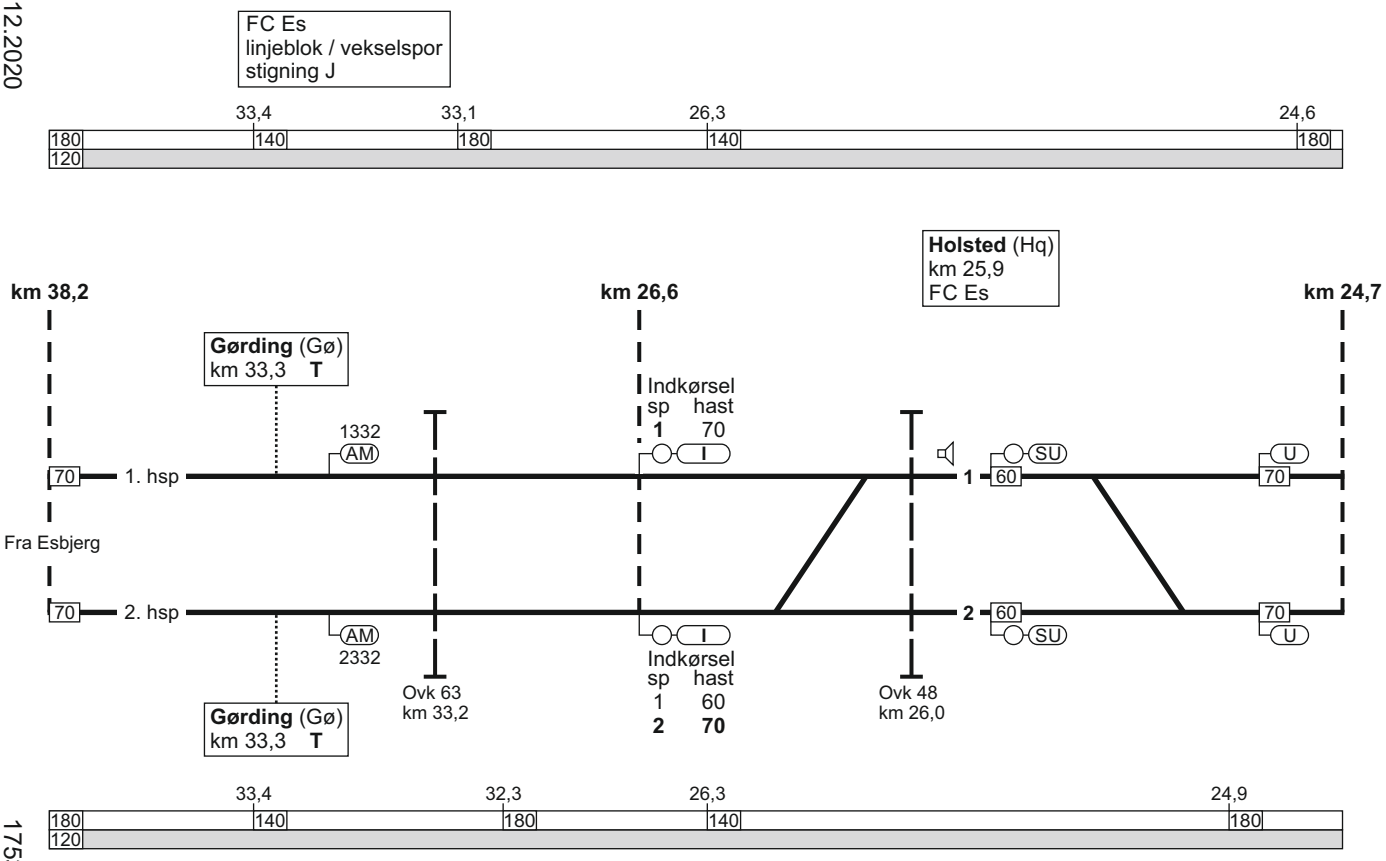
29. Esbjerg - Lunderskov



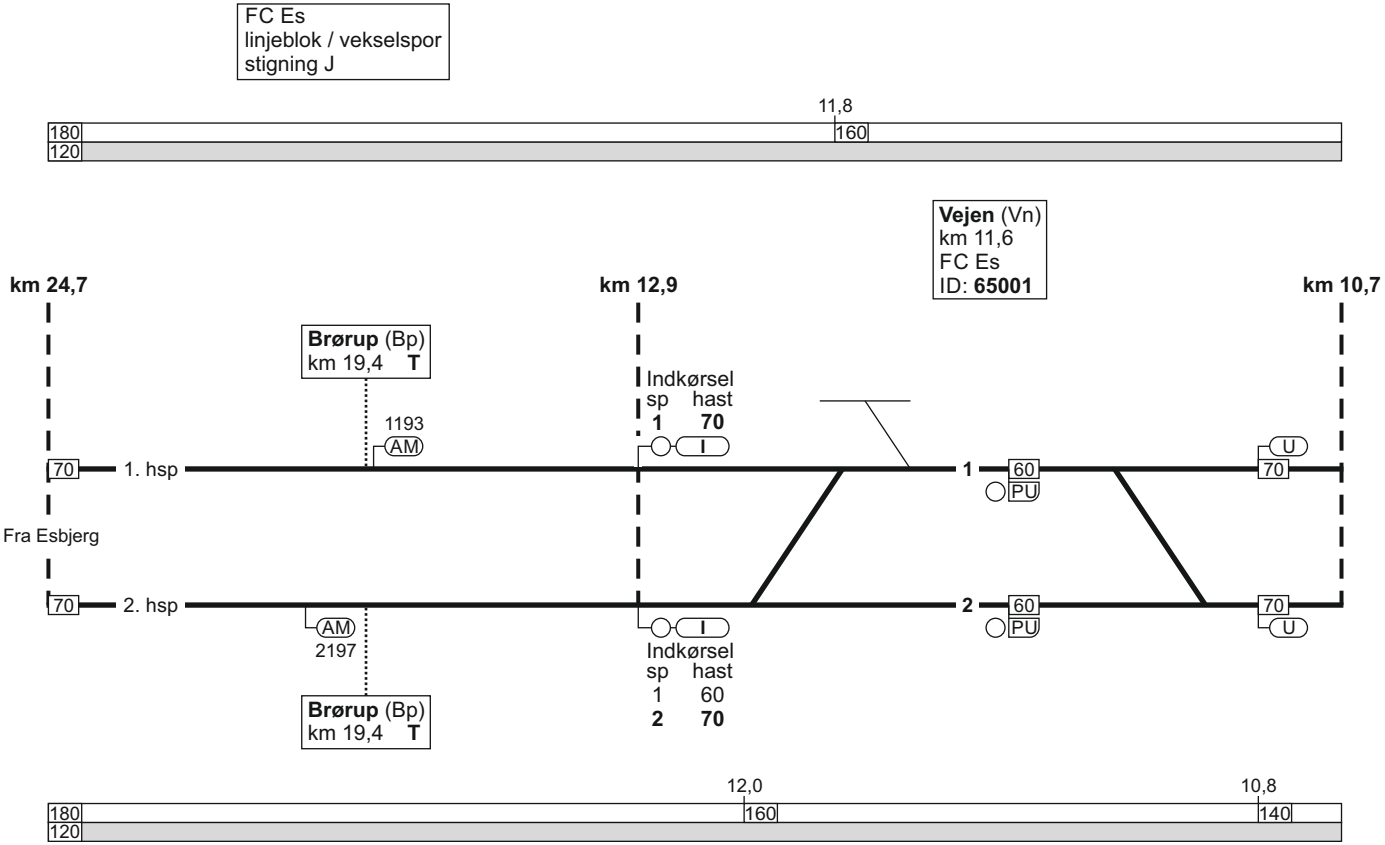
29. Esbjerg - Lunderskov



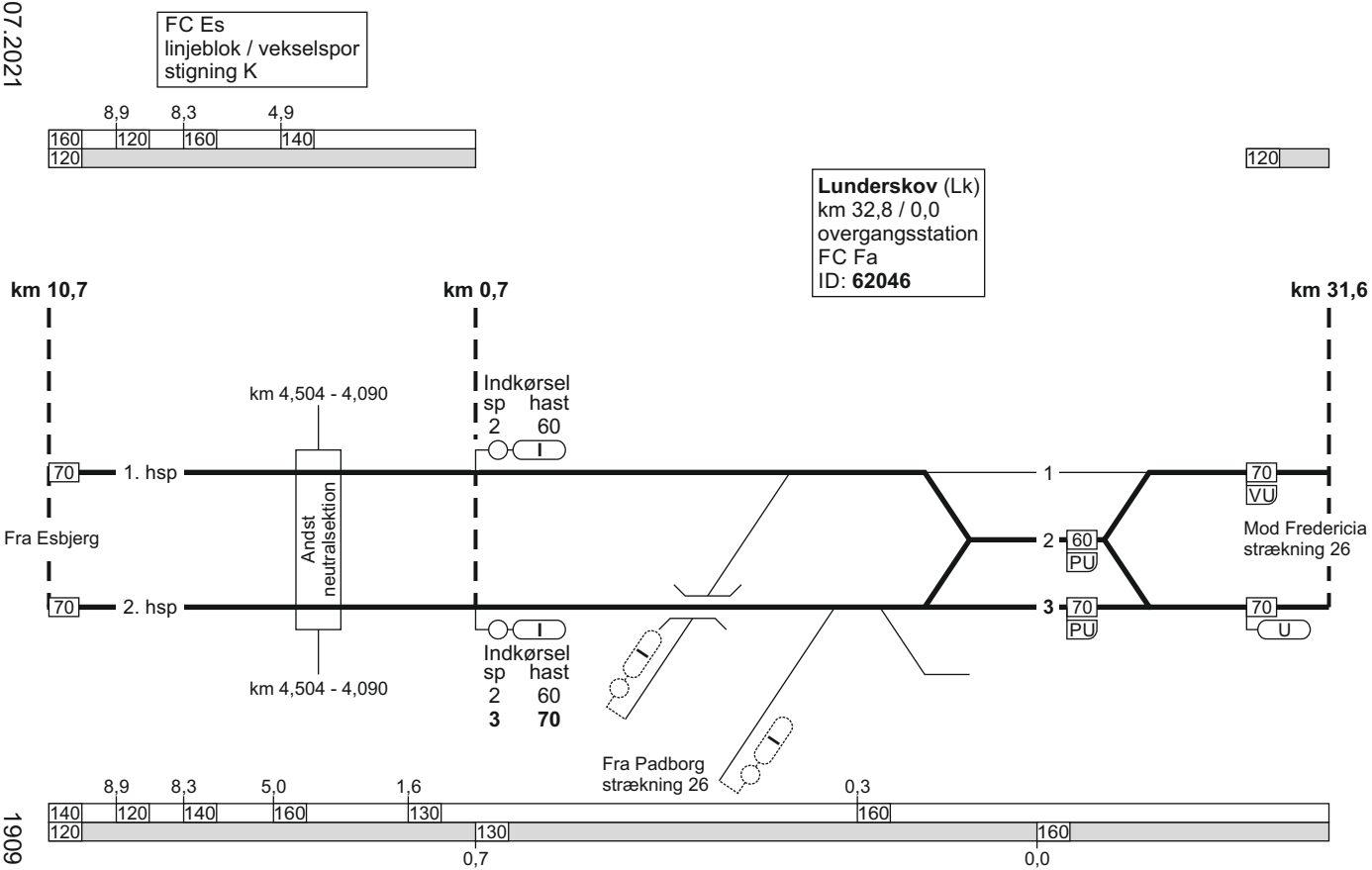
29. Esbjerg - Lunderskov



29. Esbjerg - Lunderskov



29. Esbjerg - Lunderskov



29. Lunderskov - Esbjerg

Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Lunderskov				**FC Fa:** 82 27 25 15 GSM-R: 81 99 12 24
Esbjerg				**Kmp:** 82 28 81 11 GSM-R: 81 99 12 50 **FC:** Lk (ekskl.) - Es (ekskl.) 82 28 81 61 GSM-R: 81 99 12 51

30. Bramming - Tønder Grænse

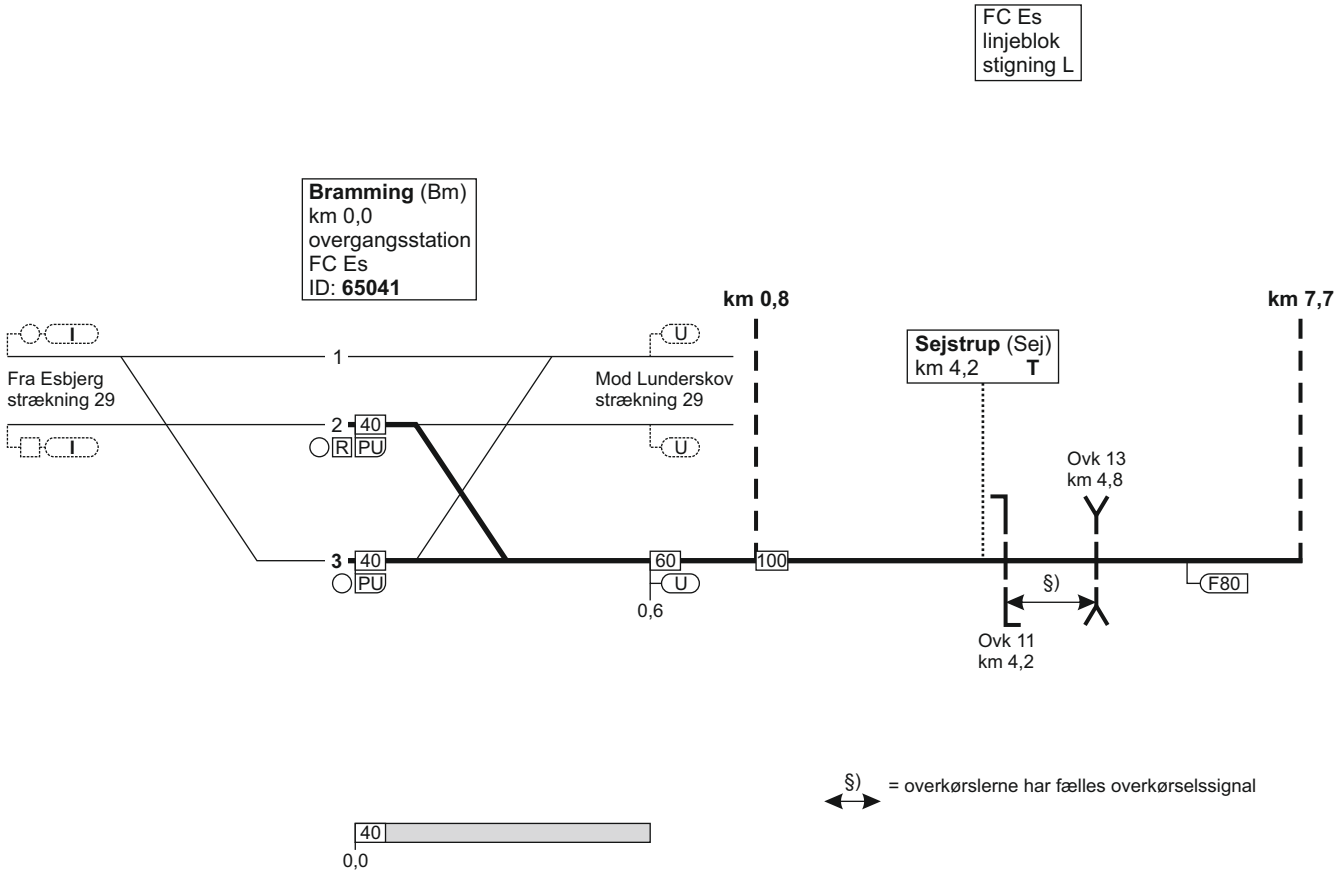
Strækningshastighed:

Delstrækning	Strækningshastighed (km/t)
Bramming - Tønder	100 *)
Tønder - Tønder Grænse	60

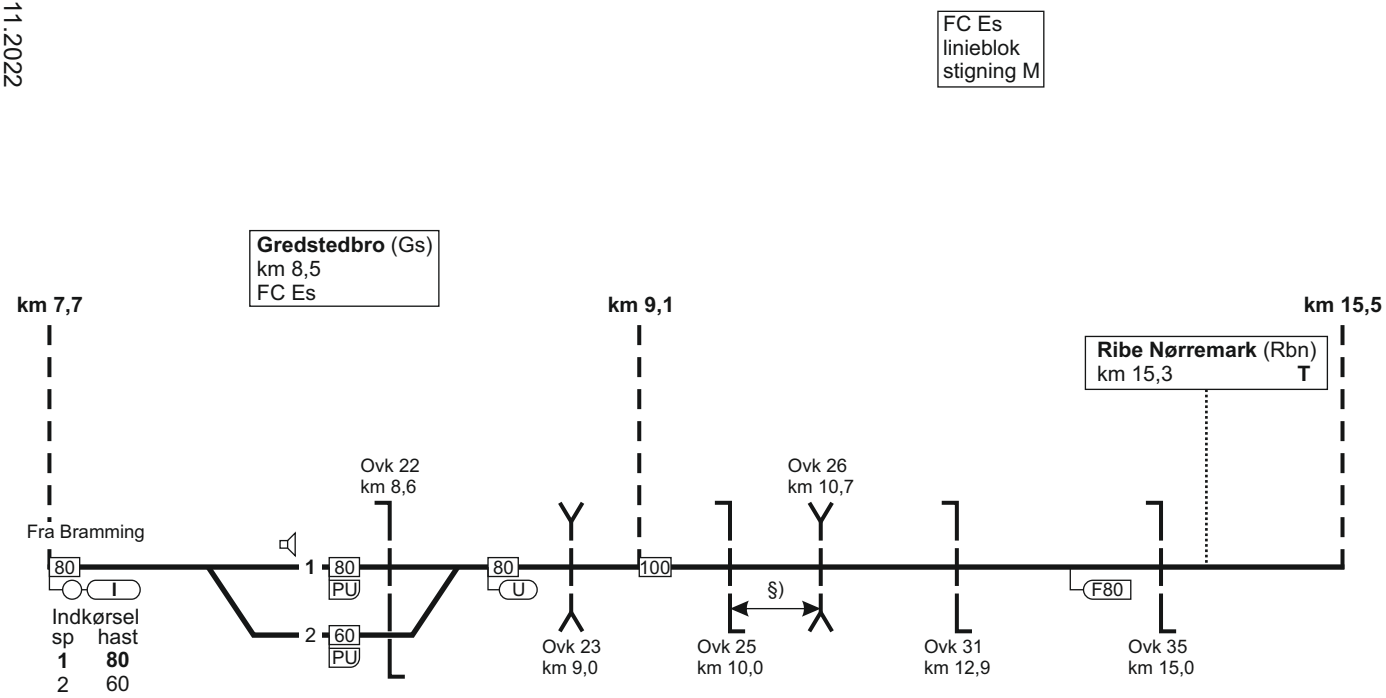
*) På delstrækningen Ribe - Tønder - Ribe gælder hastigheden kun for togsæt.

For øvrigt materiel er hastigheden 75 km/t.

30. Bramming - Tønder Grænse

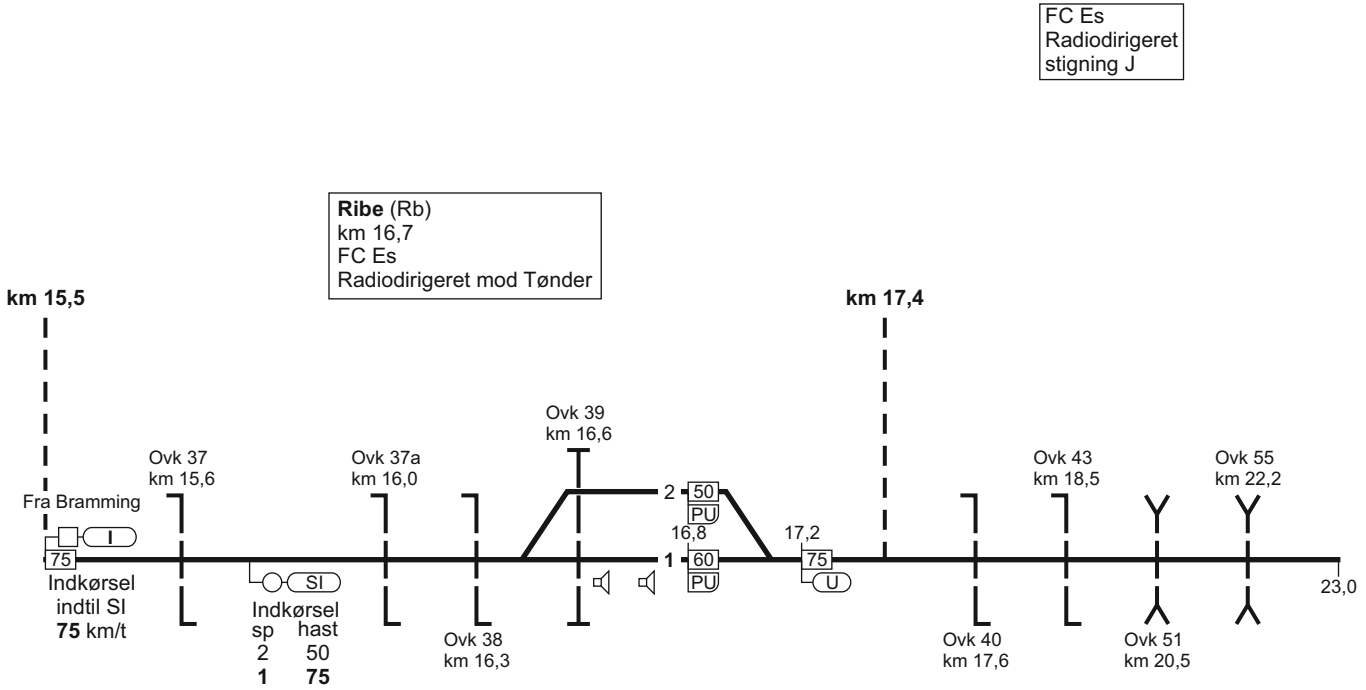


30. Bramming - Tønder Grænse



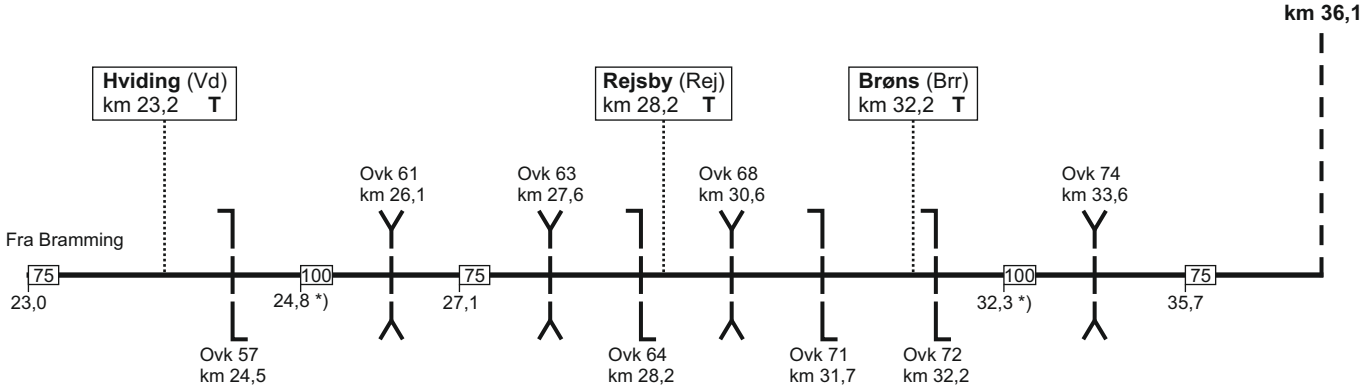
§) = overkørslerne har fælles overkørselssignal

30. Bramming - Tønder Grænse



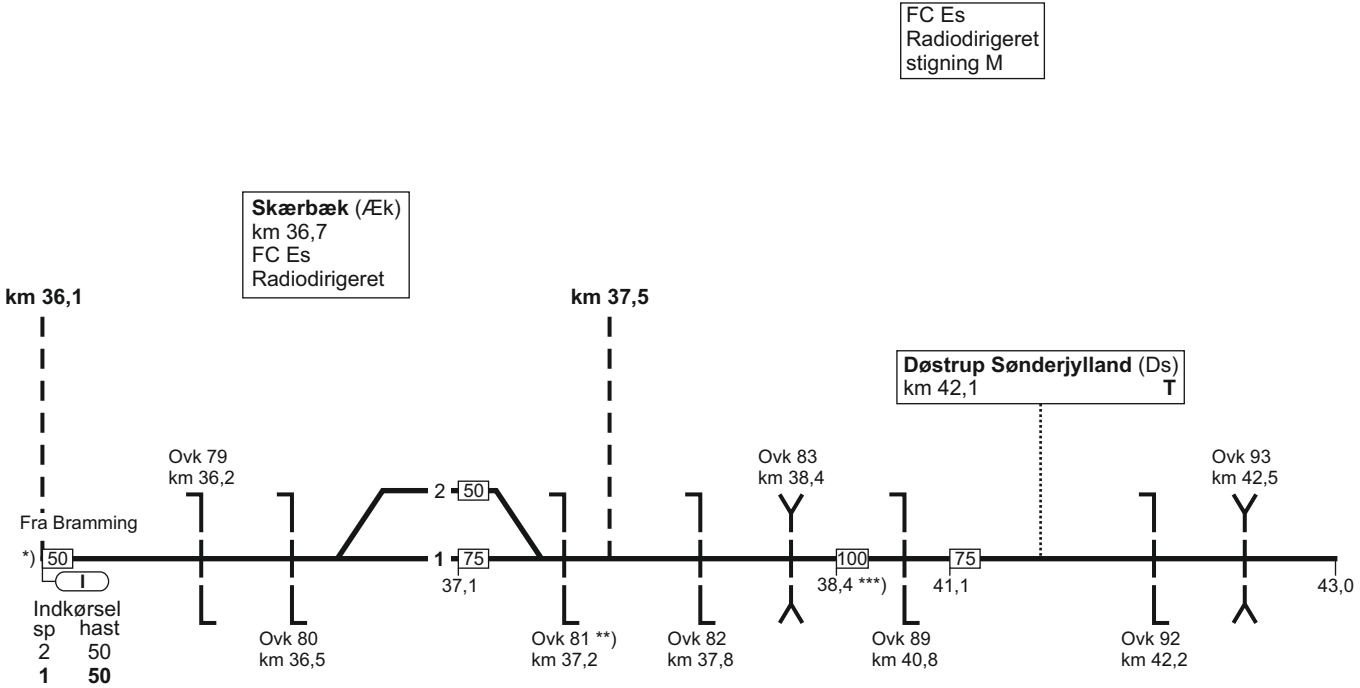
30. Bramming - Tønder Grænse

FC Es
Radiodirigeret
stigning J



*) Hastigheden gælder kun togsæt, øvrigt materiel 75 km/t

30. Bramming - Tønder Grænse

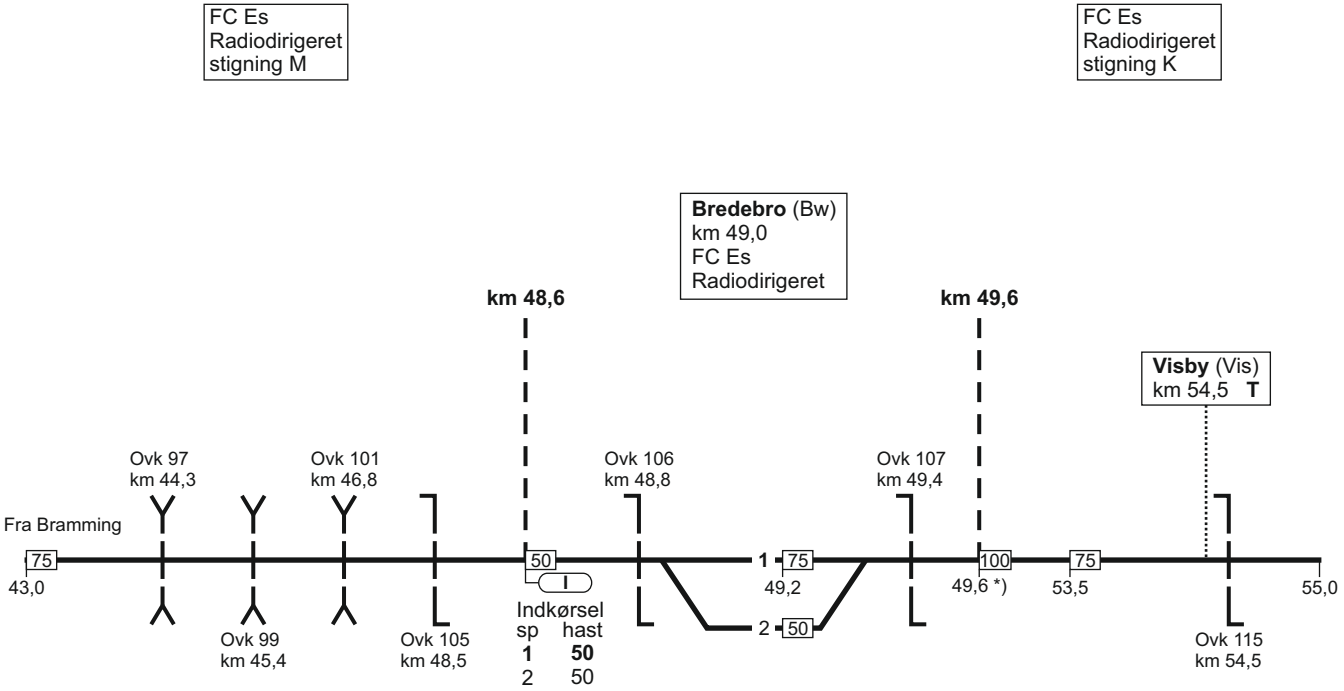


*) Standsignal 16.2.1 kun 400 m før

**) SR-mærke 11.5. kun 350 m før

***) Hastigheden gælder kun togsæt, øvrigt materiel 75 km/t

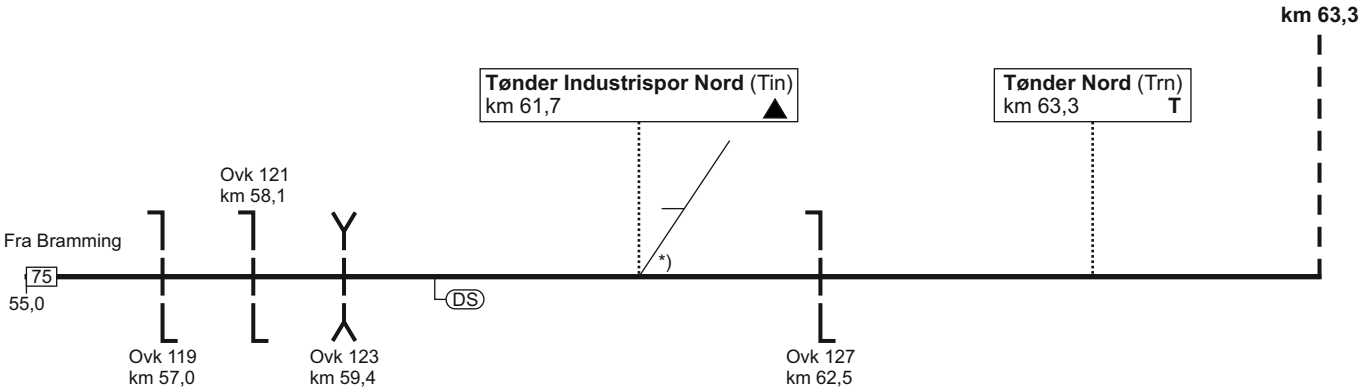
30. Bramming - Tønder Grænse



*) Hastigheden gælder kun togsæt, øvrigt materiel 75 km/t

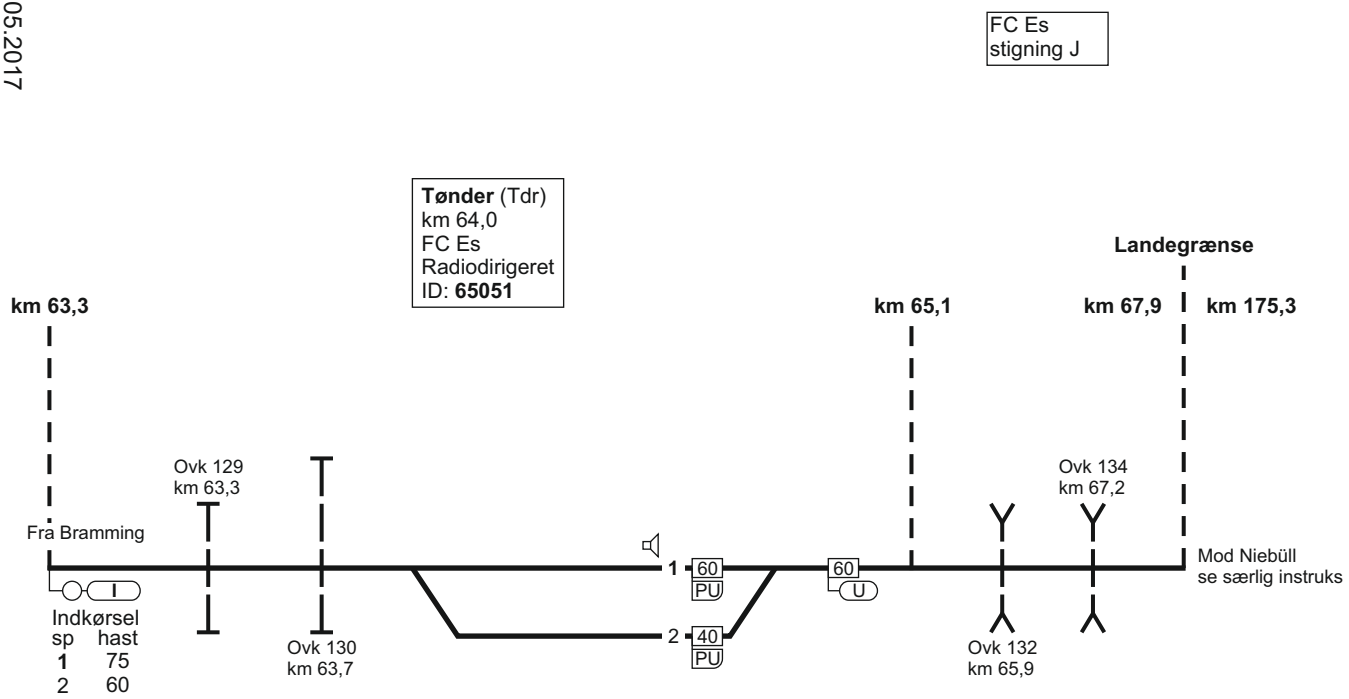
30. Bramming - Tønder Grænse

FC Es
Radiodirigeret
stigning K



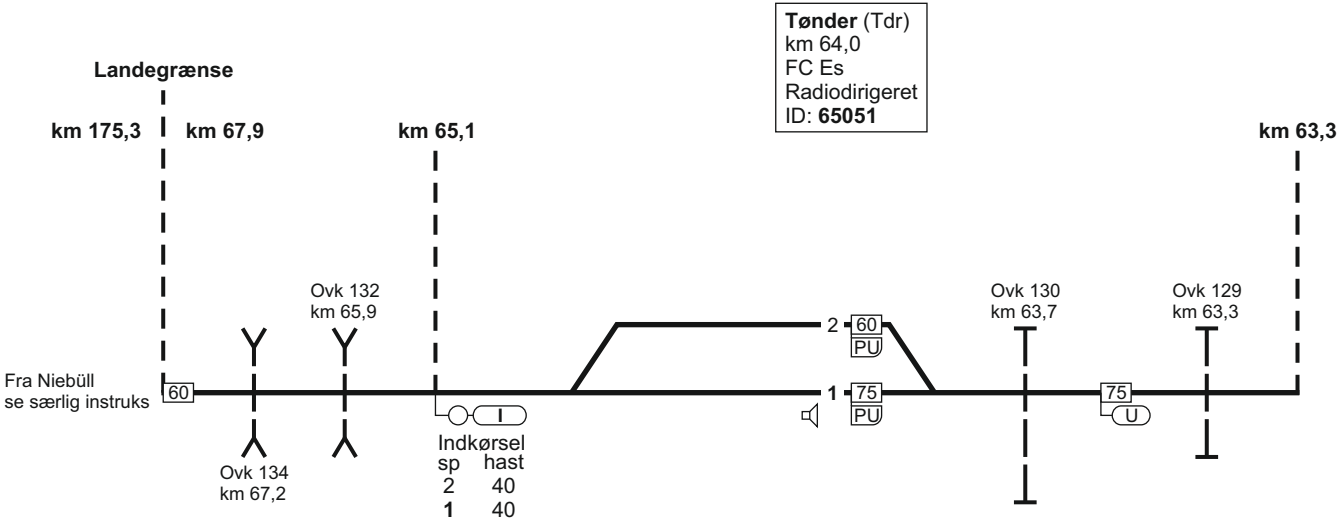
*) Sporskiftet er aflåst

30. Bramming - Tønder Grænse



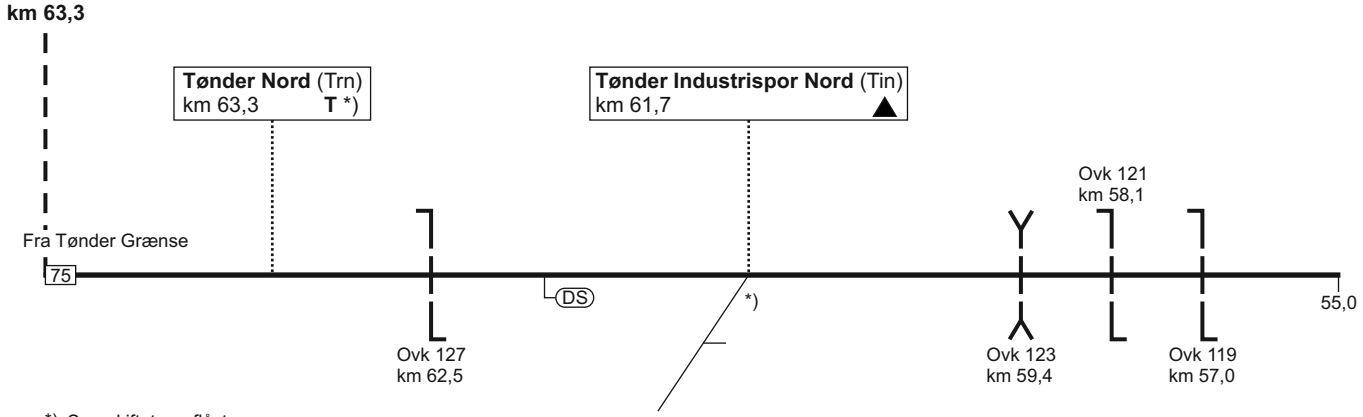
30. Tønder Grænse - Bramming

FC Es
stigning J



30. Tønder Grænse - Bramming

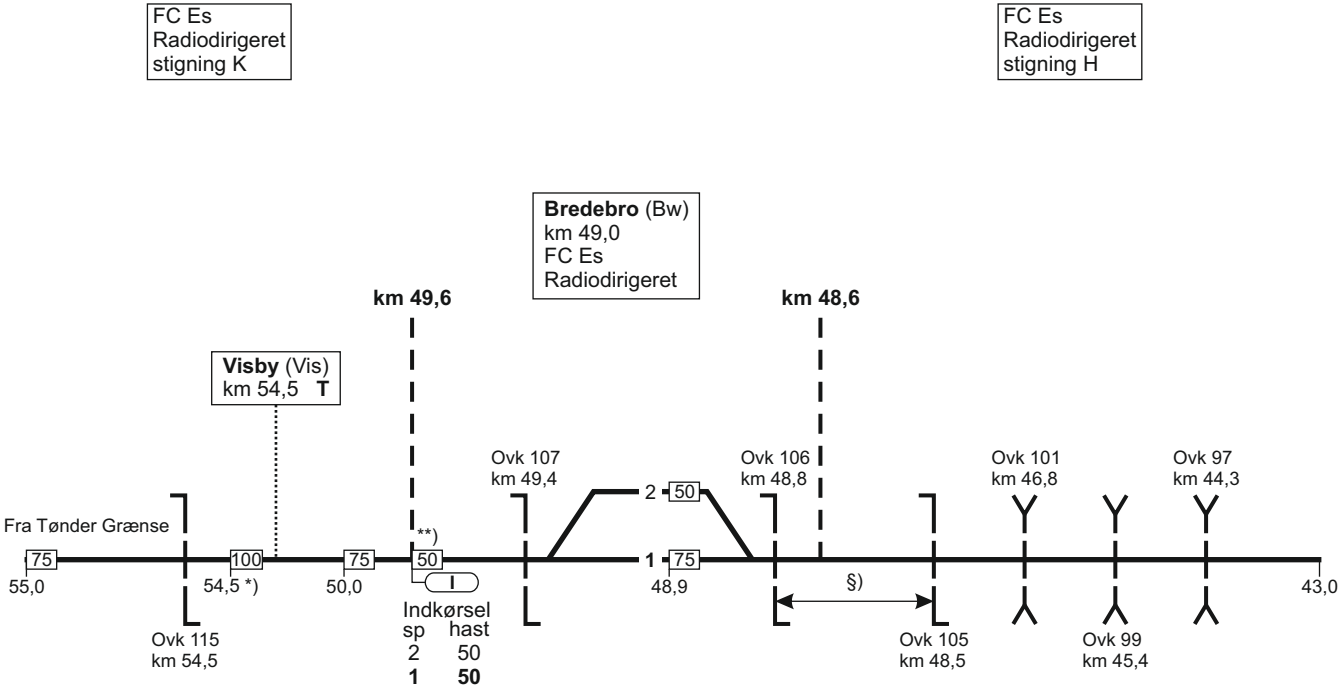
FC Es
Radiodirigeret
stigning K



*) Sporskiftet er aflåst

*) Mærke 17.5 er anbragt 390 m foran trinbræt

30. Tønder Grænse - Bramming

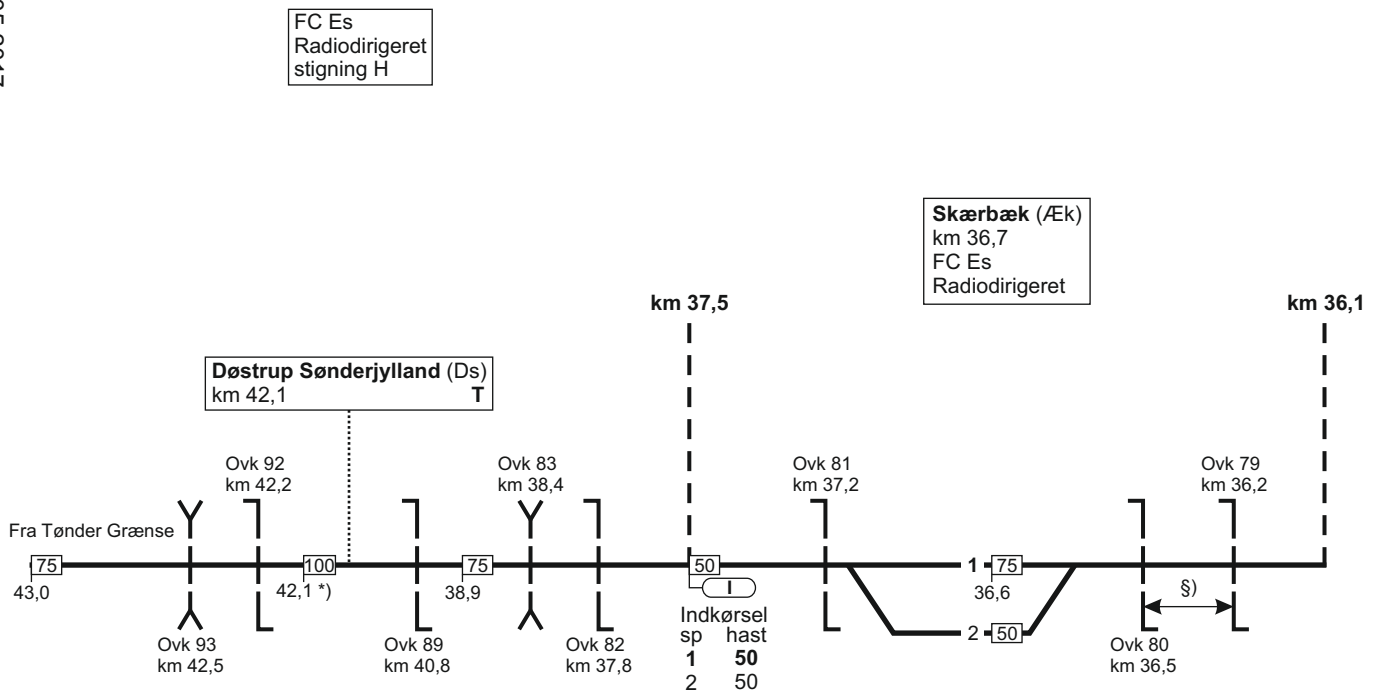


*) Hastigheden gælder kun togsæt, øvrigt materiel 75 km/t

**) Standsignal 16.2.1 kun 400 m før

§) = overkørslerne har fælles overkørselssignal

30. Tønder Grænse - Bramming

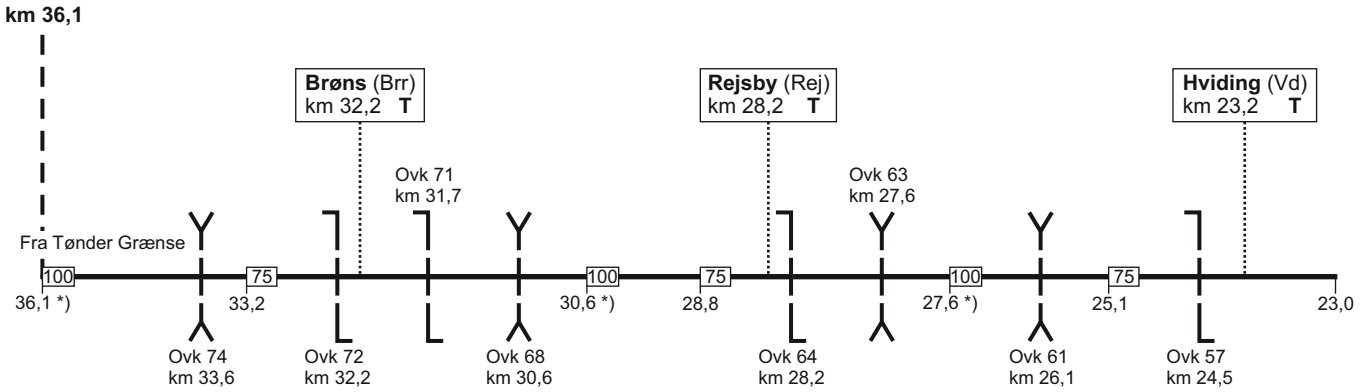


*) Hastigheden gælder kun togsæt, øvrigt materiel 75 km/t

§) = overkørslerne har fælles overkørselssignal

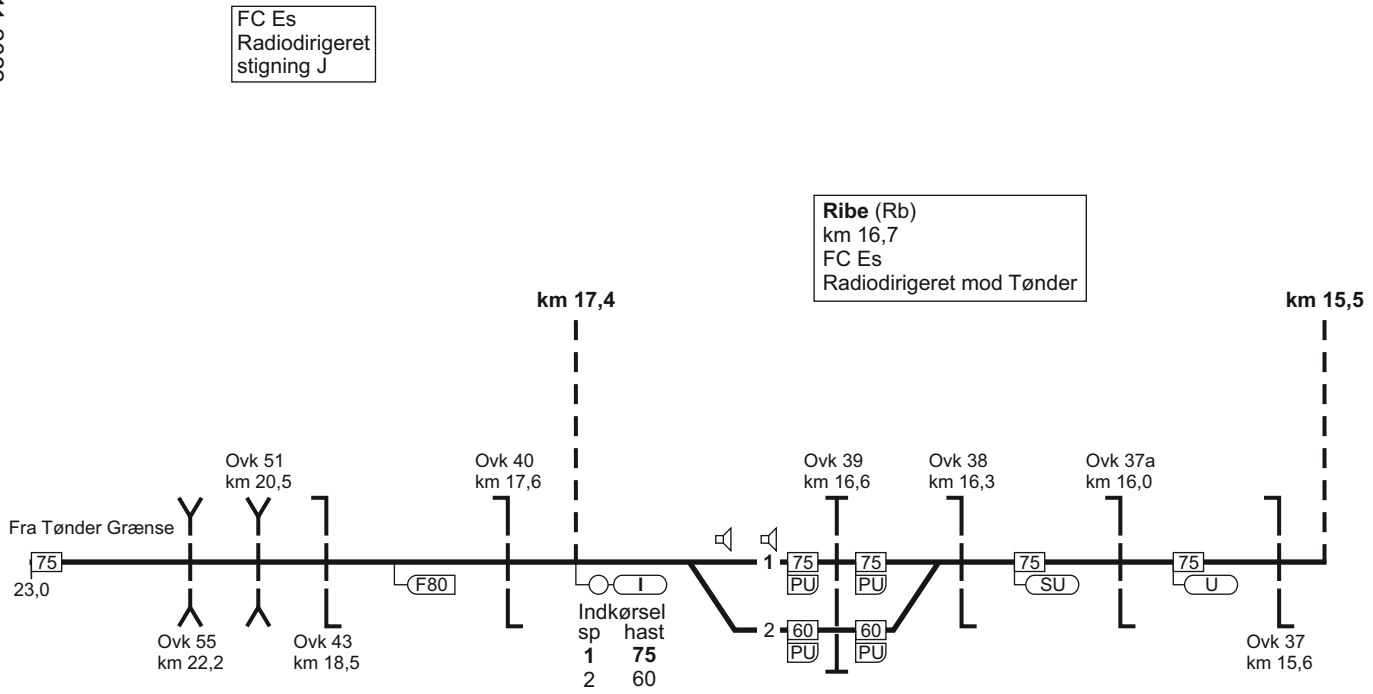
30. Tønder Grænse - Bramming

FC Es
Radiodirigeret
stigning J

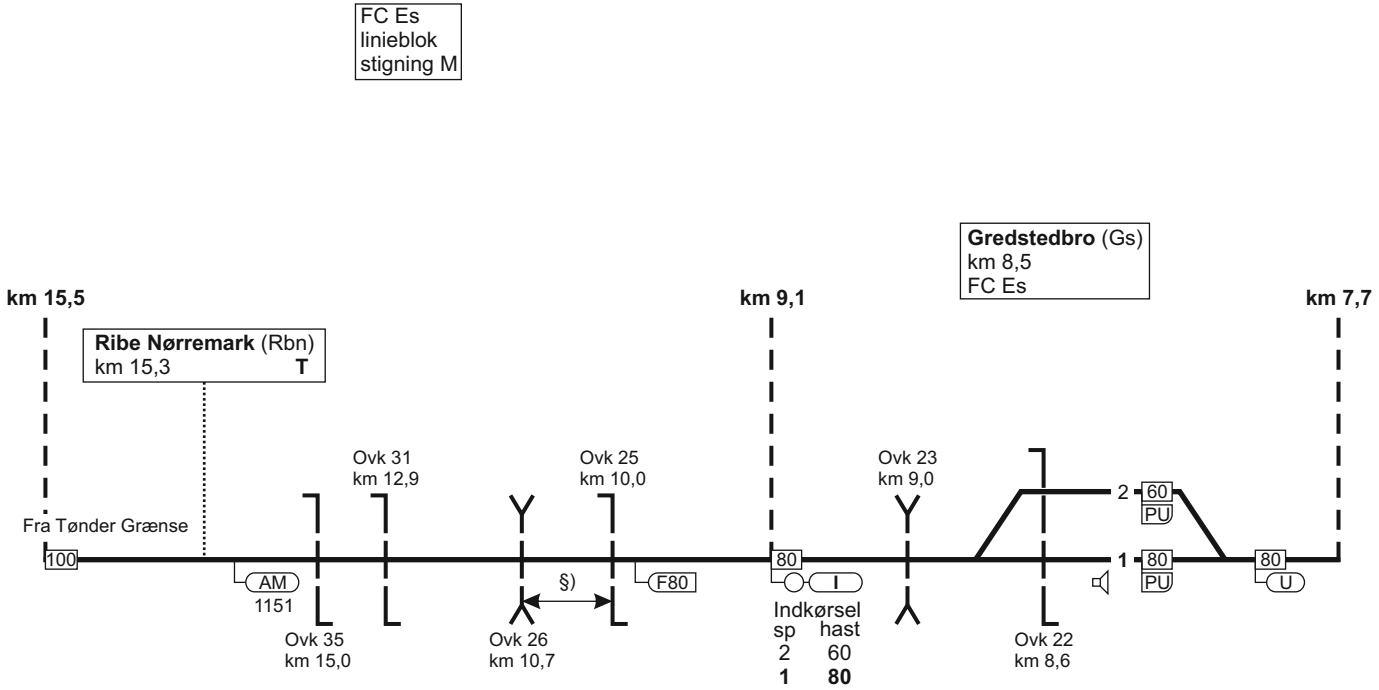


*) Hastigheden gælder kun togsæt, øvrigt materiel 75 km/t

30. Tønder Grænse - Bramming

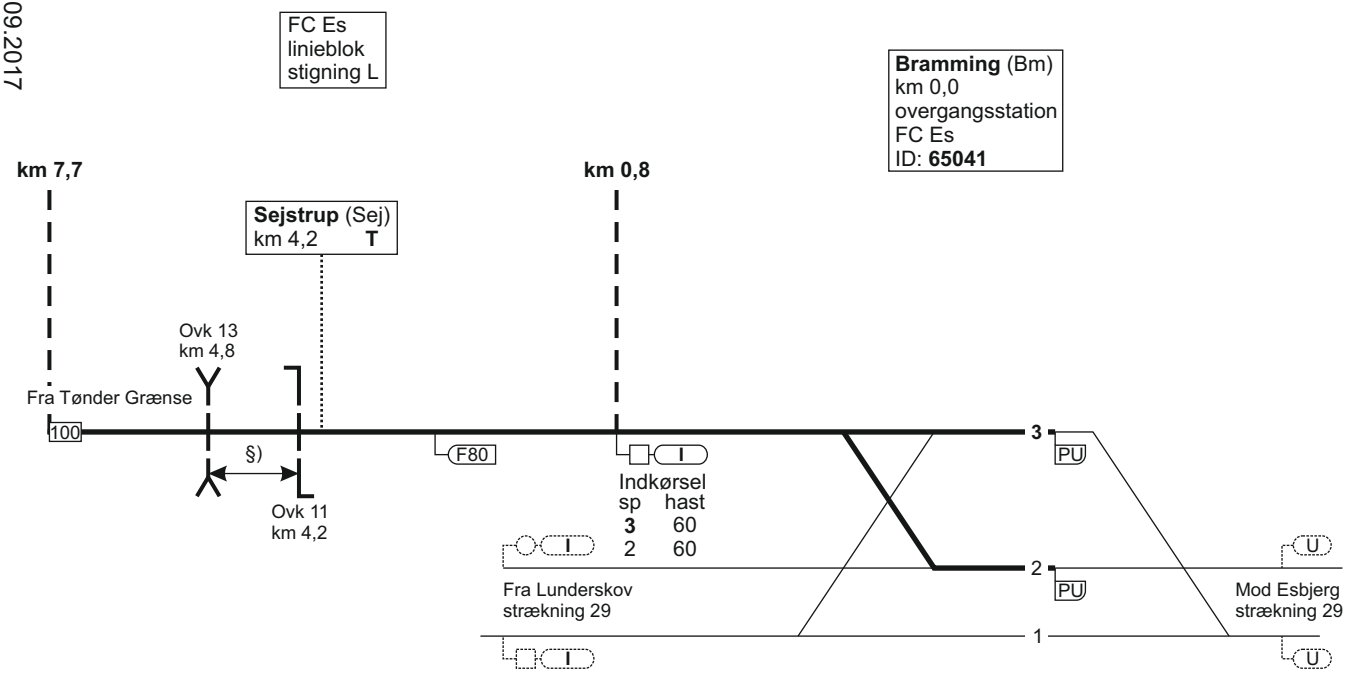


30. Tønder Grænse - Bramming



§) = overkørslerne har fælles overkørselssignal

30. Tønder Grænse - Bramming



§) = overkørslerne har fælles overkørselssignal

60

30. Bramming - Tønder Grænse

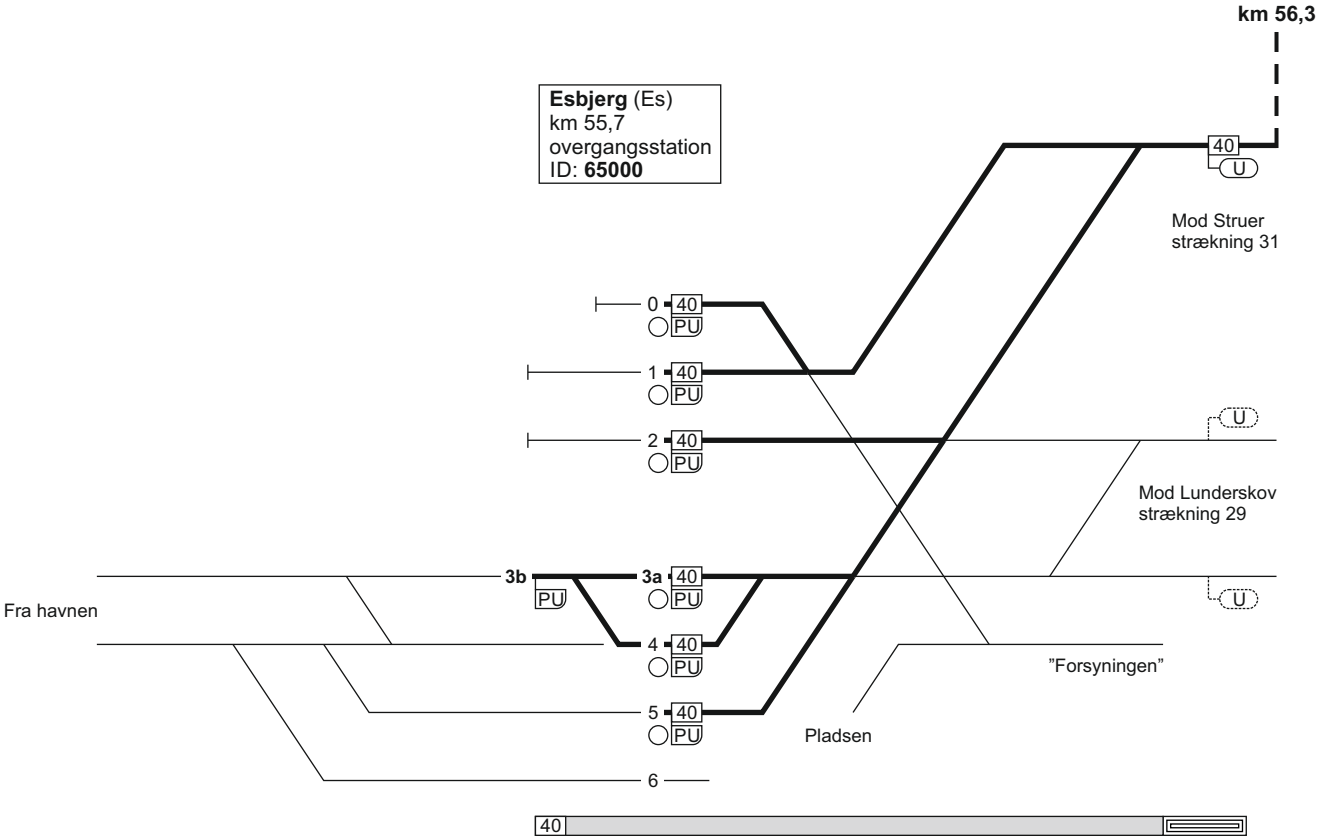
Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Esbjerg				**FC:** Bm (ekskl.) - Tdr gr. 82 28 81 61 GSM-R: 81 99 12 52

31. Esbjerg - (Guldager)

Strækningshastighed:

Delstrækning	Strækningshastighed (km/t)
Esbjerg - (Guldager)	120

31. Esbjerg - (Guldager)



31. Esbjerg - (Guldager)

FC Es
linjeblok
stigning K

km 56,3

Spangsbjerg (Esn)
km 58,2 **T**

Fra Esbjerg

70

59,9

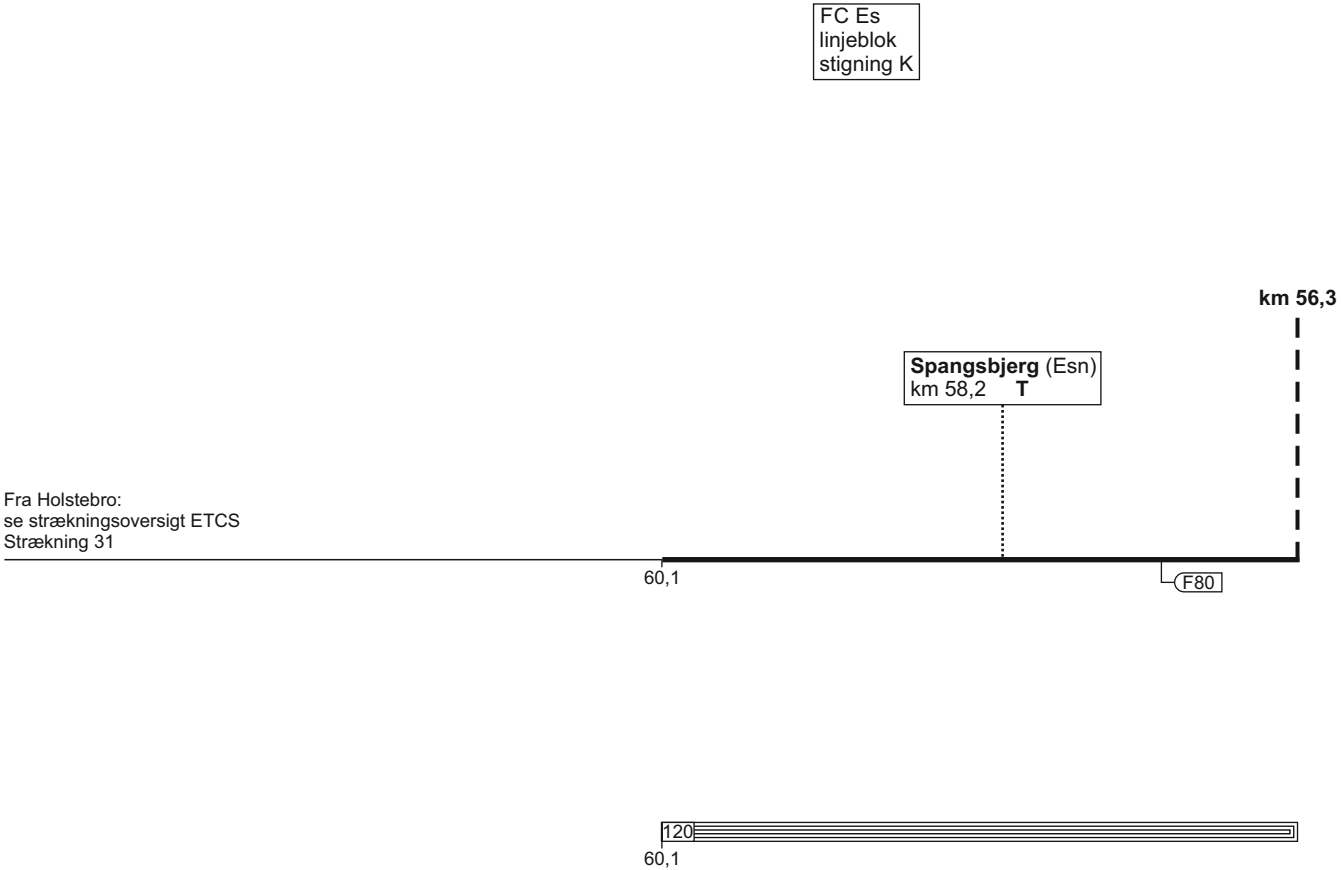
Mod Holstebro:
se strækningsoversigt ETCS
Strækning 31

120

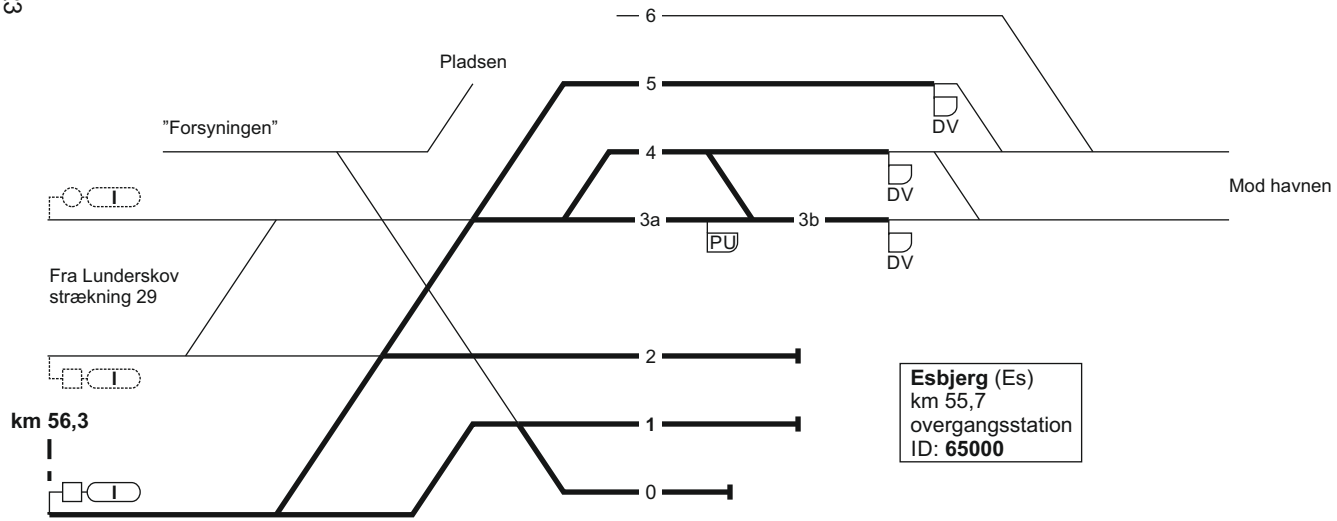
56,3

59,9

31. (Guldager) - Esbjerg



31. (Guldager) - Esbjerg



Indkørsel sp	hast
5	40
4	40
3a	40
3b	40
2	40
1	40
0	40

40

56,3

31. Esbjerg - (Guldager)

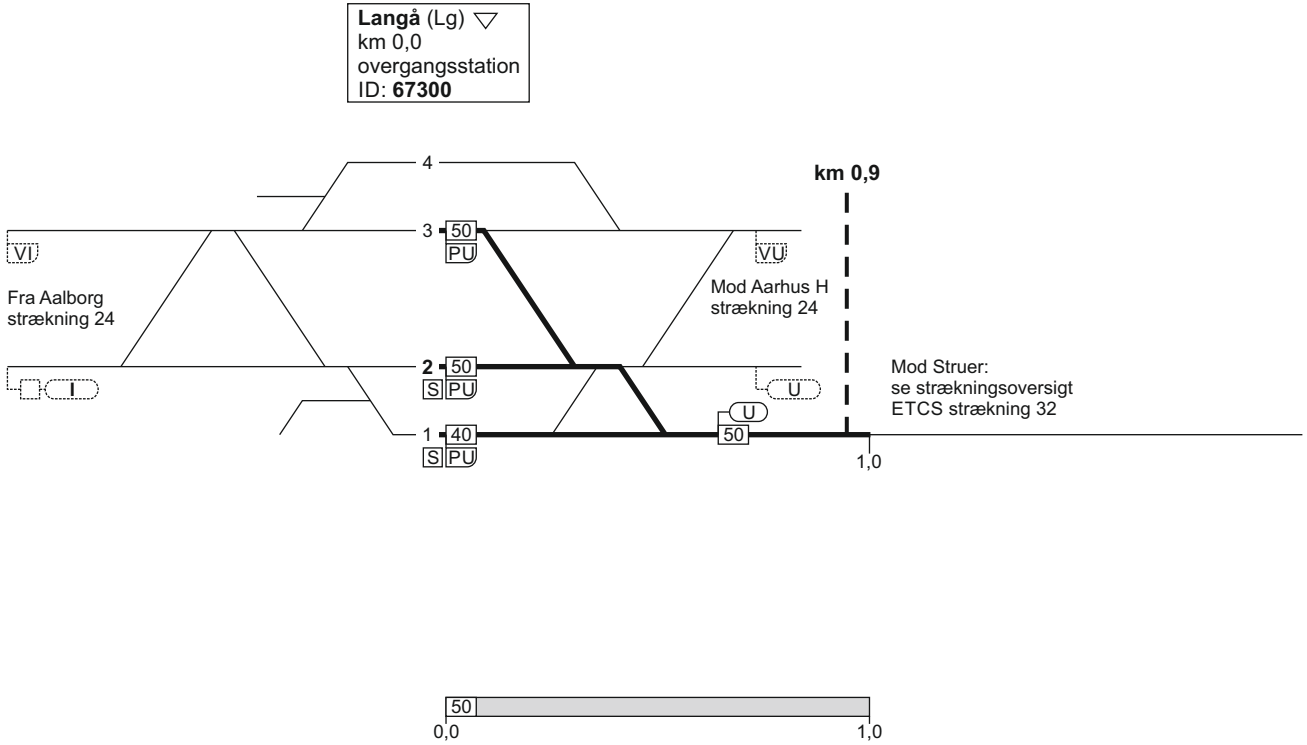
Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Esbjerg				**Kmp:** 82 28 81 11 GSM-R: 81 99 12 50 **FC:** Es (ekskl.) - (Gu) (ekskl.) 82 28 81 11

32. Langå - (Ulstrup)

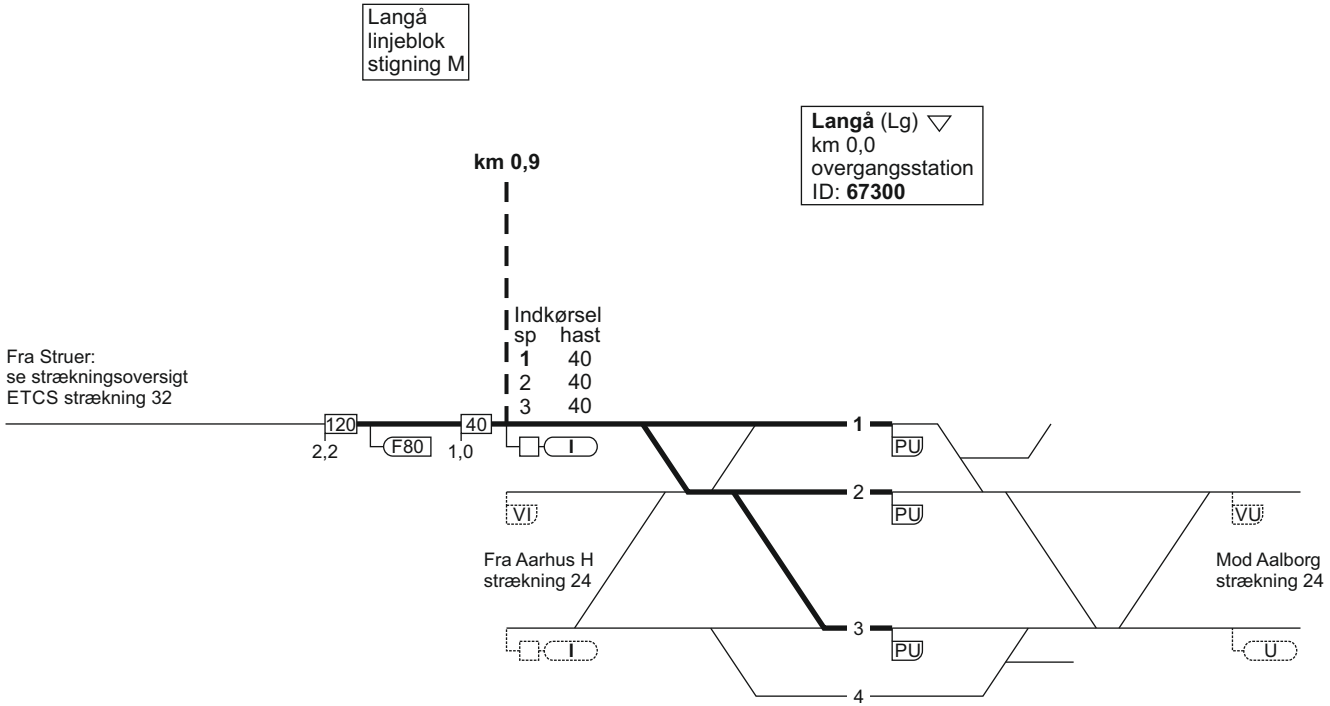
Strækningshastighed:

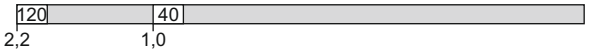
Delstrækning	Strækningshastighed (km/t)
Langå - (Ulstrup)	120

32. Langå - (Ulstrup)



32. (Ulstrup) - Langå





32. Langå - (Ultrup)

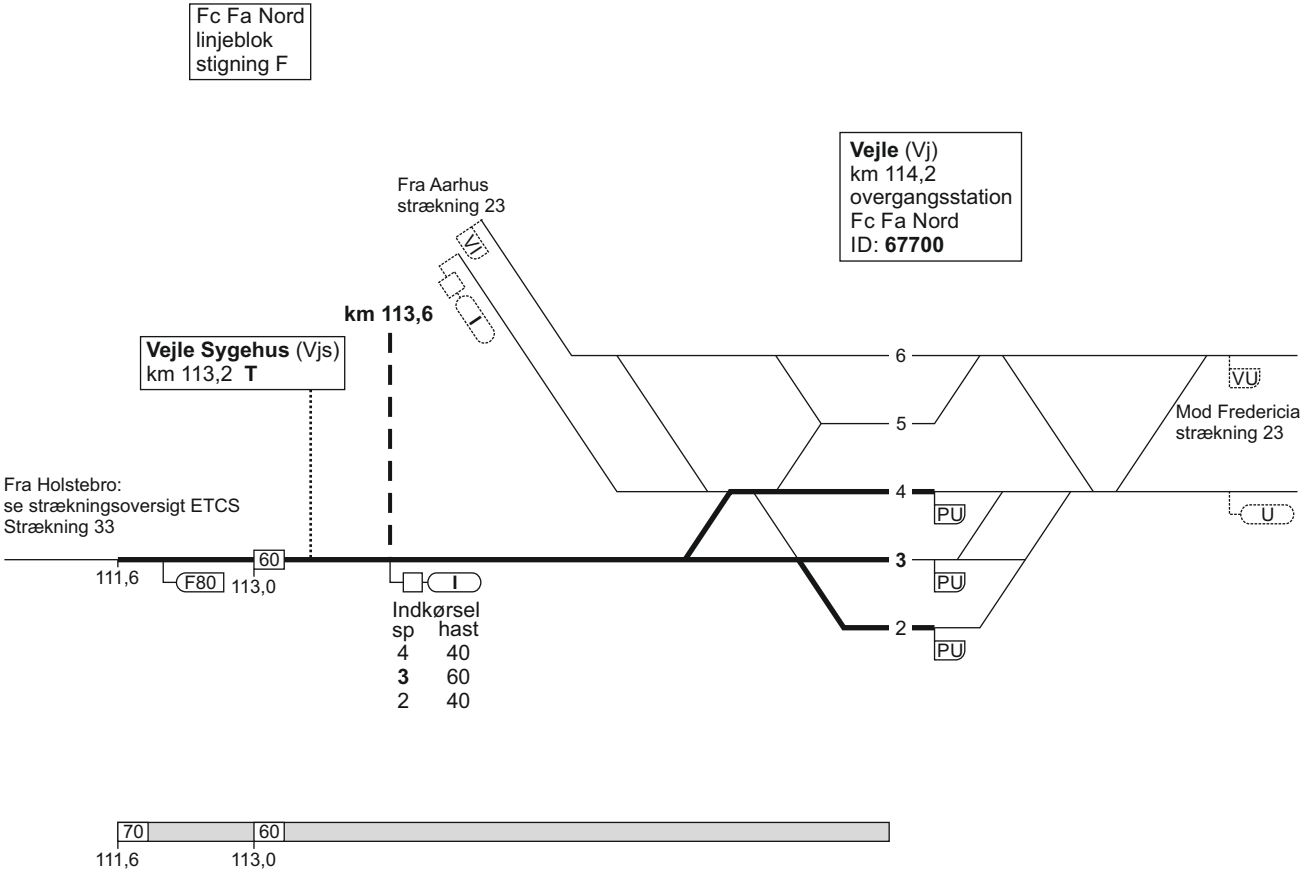
Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Langå	Togfølgestation: Ma-lø: 0000-2400 S: 0000-0100 0700-2400 Øvrige tid: Ikke fjernstyret togfølgestation (overgangsstation) med AG-drift uden stedlig stationsbestyrer.			**Kmp:** 86 46 15 00 GSM-R: 81 99 12 73 Når Langå er ikke fjernstyret togfølgestation (overgangsstation) med AG-drift uden stedlig stationsbestyrer, varetages stationsbestyrerens ansvar af stationsbestyreren i FC Ar. **FC Ar:** 82 10 11 16 GSM-R: 81 99 12 73

33. (Grejsdal) - Vejle

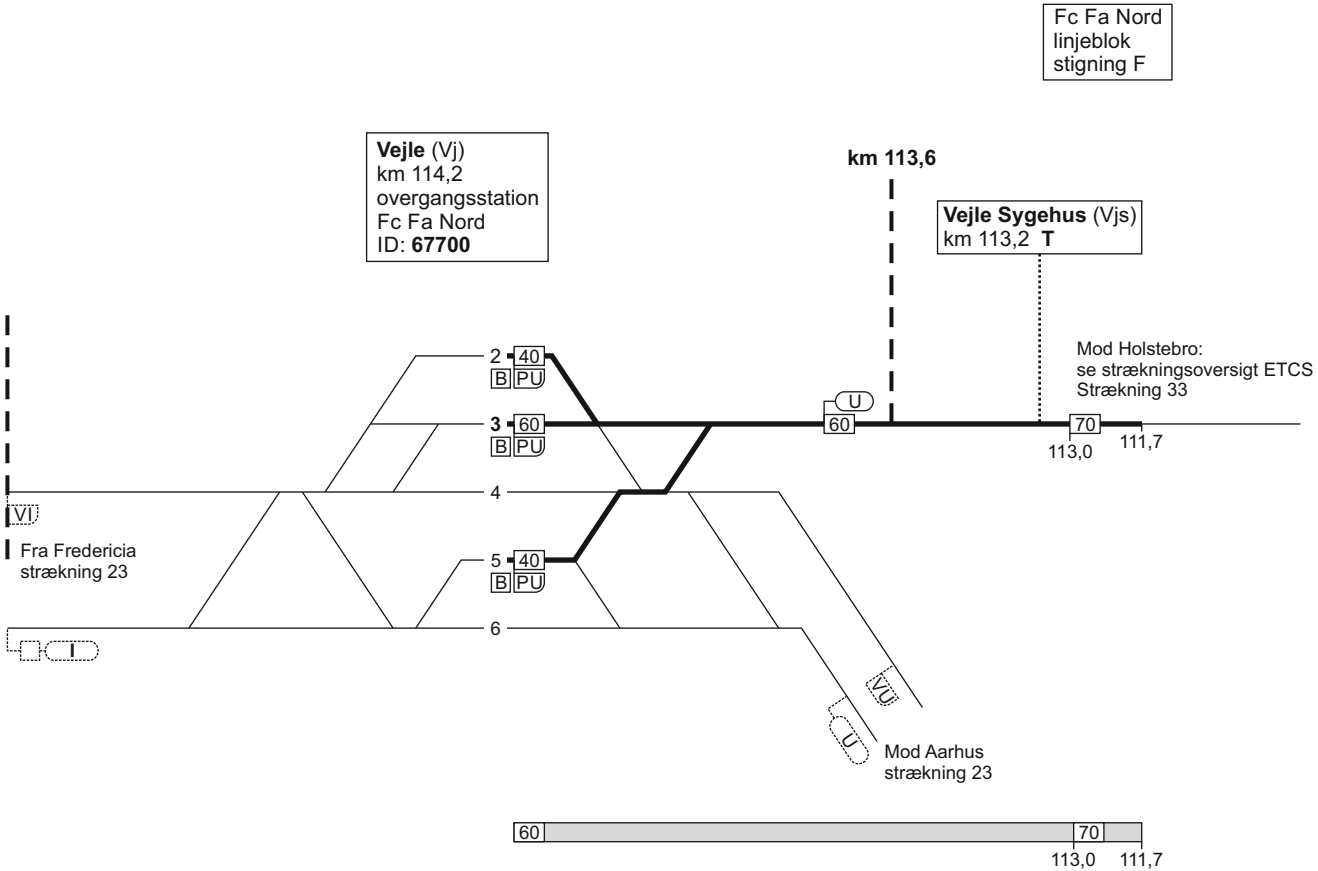
Strækningshastighed:

Delstrækning	Strækningshastighed (km/t)
(Grejsdal) - Vejle	120

33. (Grejsdal) - Vejle



33. Vejle - (Grejsdal)



33. (Grejsdal) - Vejle

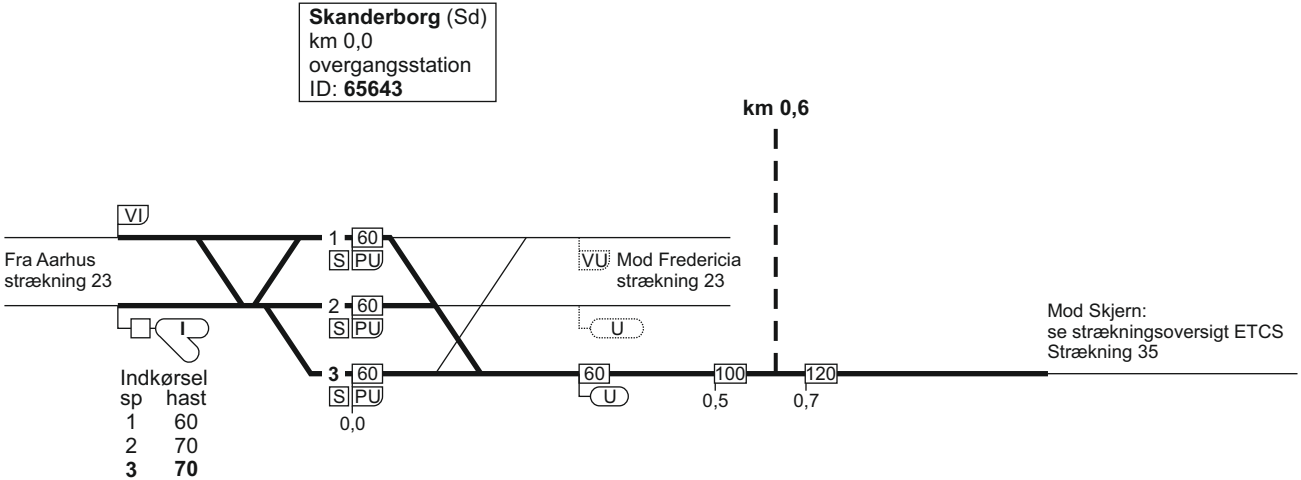
Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Vejle				**Fc Nord:** 82 27 24 32 GSM-R: 81 99 12 77

35. Skanderborg - (Ry)

Strækningshastighed:

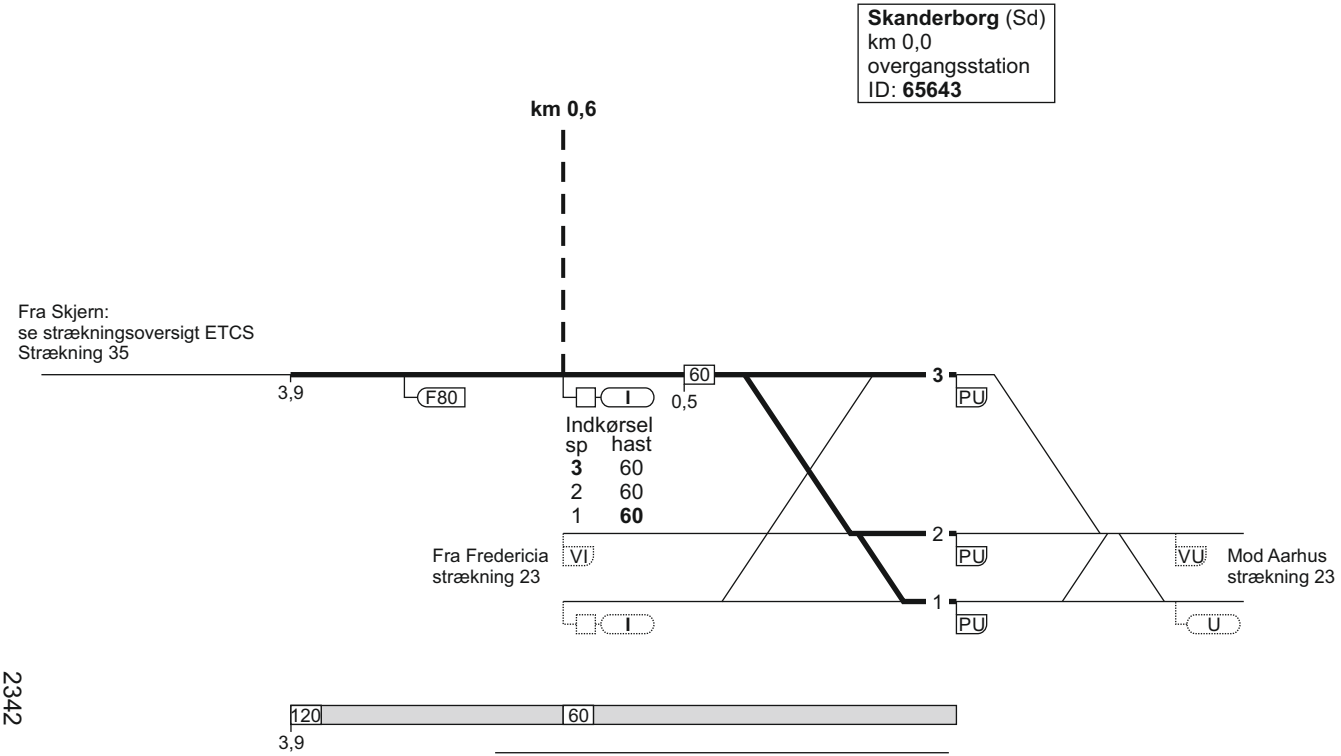
Delstrækning	Strækningshastighed (km/t)
Skanderborg - (Ry)	120

35. Skanderborg - (Ry)



*) Kilometrering fra strækning 23

35. (Ry) - Skanderborg



35. Skanderborg - (Ry)

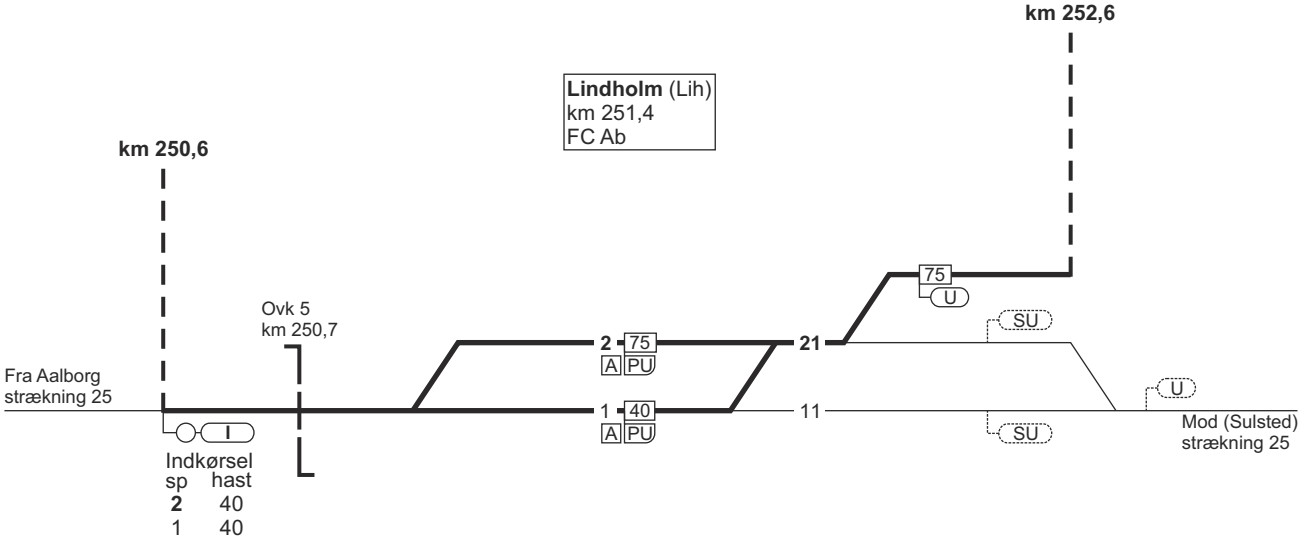
Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Skanderborg				**Kmp/FC:** 86 52 33 43 GSM-R: 81 99 12 56

52. Lindholm - Aalborg Lufthavn

Strækningshastighed:

Delstrækning	Strækningshastighed (km/t)
Lindholm - Aalborg Lufthavn T	75

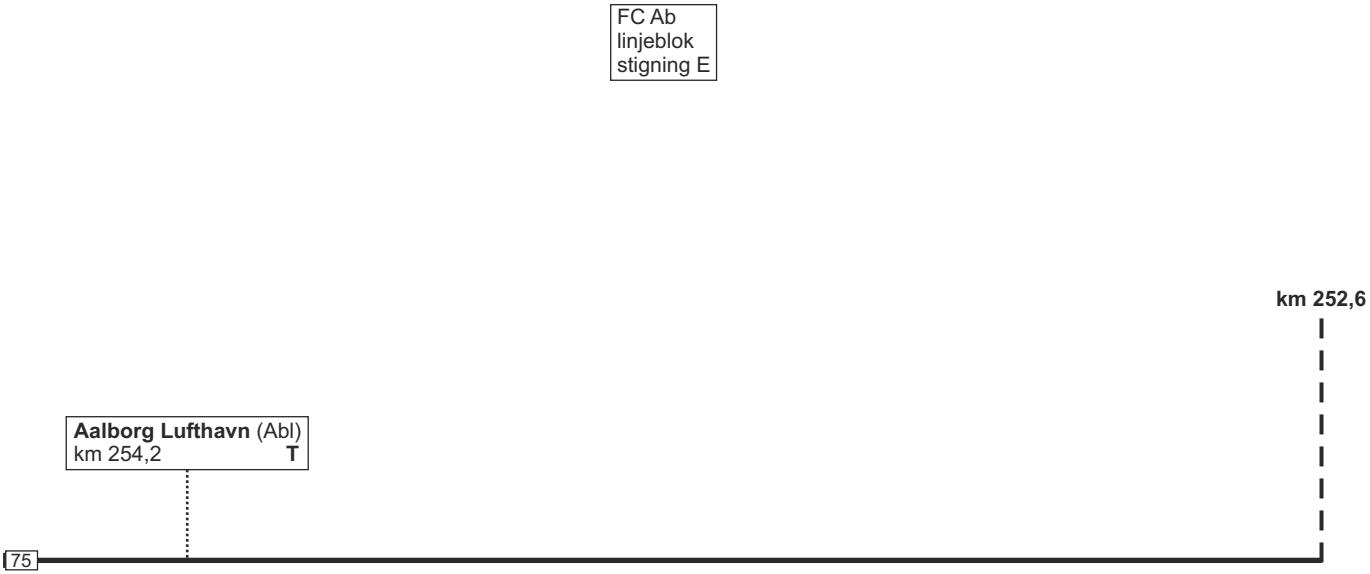
52. Lindholm - Aalborg Lufthavn



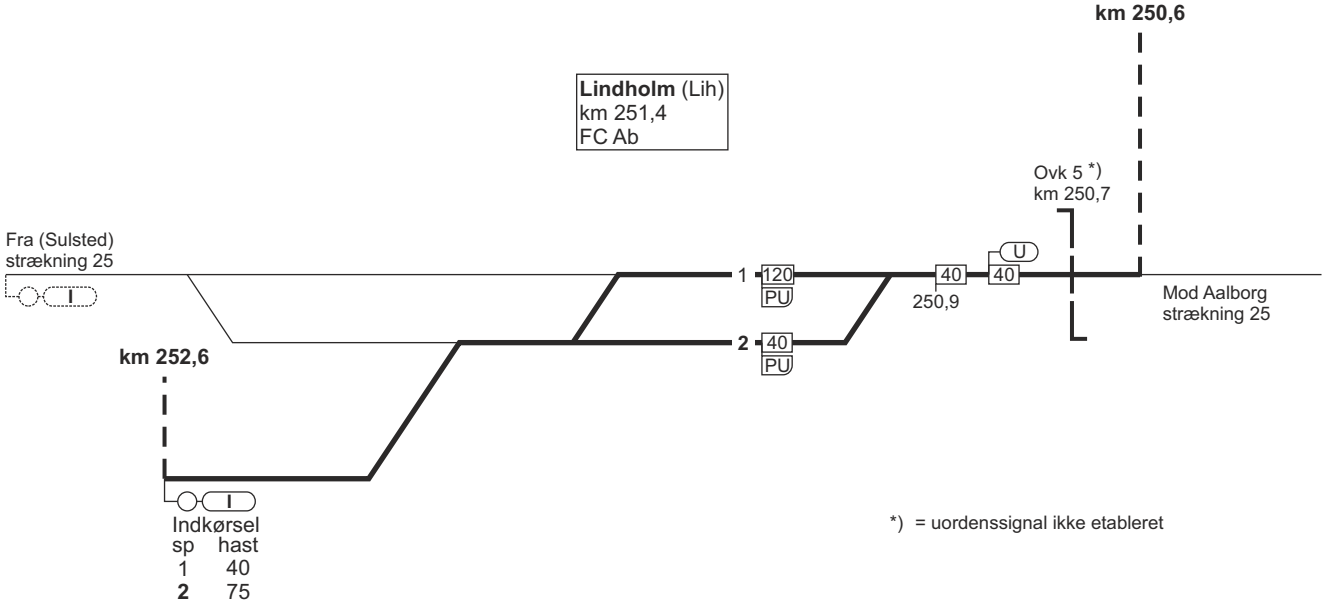
52. Lindholm - Aalborg Lufthavn

FC Ab
linjeblok
stigning E

52. Aalborg Lufthavn - Lindholm



52. Aalborg Lufthavn - Lindholm



52. Lindholm - Aalborg Lufthavn

Togekspeditionssted 1	Togfølgestation 2	Sporbenyttelse 3	Standsningssted 4	Kmp/FC telefonnummer 5
Aalborg				**FC:** Lih - Abl: 82 14 02 94 GSM-R Lih - Abl: 81 99 12 35