

ASSE VIARIO MARCHE-UMBRIA  
 E QUADRILATERO DI PENETRAZIONE INTERNA  
 MAXILOTTO 1

## PROGETTO ESECUTIVO

CONTRAENTE GENERALE


**Val di Chienti**  
 S.C.p.A.

IL RESPONSABILE DEL CONTRAENTE GENERALE

IL PROGETTISTA

GRUPPO DI PROGETTAZIONE DEL PROGETTO ESECUTIVO APPROVATO

 ATI: TECHNITAL s.p.a. (mandataria)  
 EGIS STRUCTURES & ENVIRONNEMENT S.A.  
 SICS s.r.l. Società Italiana Consulenza Strade  
 S.I.S. Studio di Ingegneria Stradale s.r.l.  
 SOIL Geologia Geotecnica Opere in sottterraneo Difesa del territorio

 INTEGRAZIONE PRESTAZIONI SPECIALISTICHE *Dott. Ing. M. Raccosta*

 IL GEOLOGO  
*Dott. Geol. F. Ferrari*

IL GEOLOGO

 IL RESPONSABILE DELLA CONGRUENZA FUNZIONALE  
 CON IL PROGETTO ESECUTIVO APPROVATO  
 (ATI: TECHNITAL-EGIS-SOIL-SIS-SICS)

 VISTO:IL RESPONSABILE  
 DEL PROCEDIMENTO

*Dott. Ing. Vincenzo Lomma*

 VISTO:IL COORDINATORE DELLA  
 SICUREZZA IN FASE DI ESECUZIONE

LA DIREZIONE LAVORI

 SUBLOTTO 2.1: S.S. 77 "VAL DI CHIEN TI" TRONCO PONTELATRAVE – FOLIGNO  
 TRATTO VALMENOTRE – GALLERIA MUCCIA (esclusa galleria)

RIPRISTINO VIABILITA' SECONDARIA– STRADA 10

 STATO DI PROGETTO  
 SISTEMAZIONI GEOMORFOLOGICHE (SEZIONI TRASVERSALI)

 Codice Unico di Progetto (CUP) **F12C03000050011 ex F12C03000050010** (comunicazione CIPE 20/04/2015)

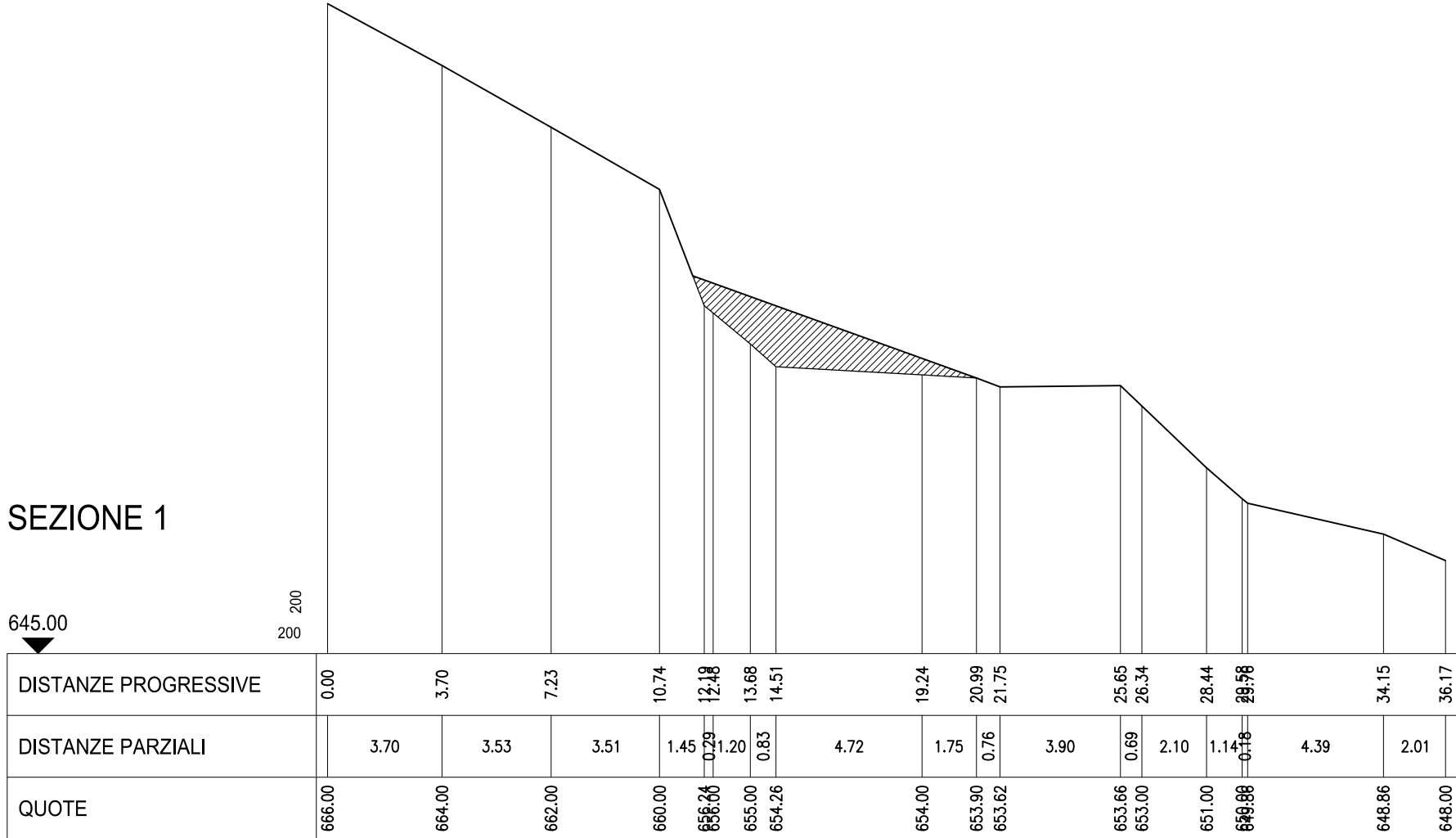
REVISIONE

FOGLIO

SCALA

CODICE ELAB. e FILE	Opera	Lotto	Stato	Settore	WBS	Disciplina	Tipo Doc.	N. Progress.	REVISIONE	FOGLIO	SCALA
	L0703	A2	E	P	CA40200	AMB	SEZ	001			
D									A	--	--
C											
B											
A	EMISSIONE						30/06/15	ARCELLI	PELLEGRINI	RASIMELLI	
REV.	DESCRIZIONE						DATA	REDATTO	VERIFICATO	APPROVATO	APPROVATO RESP. TECNICO ANAS

# SEZIONE 1

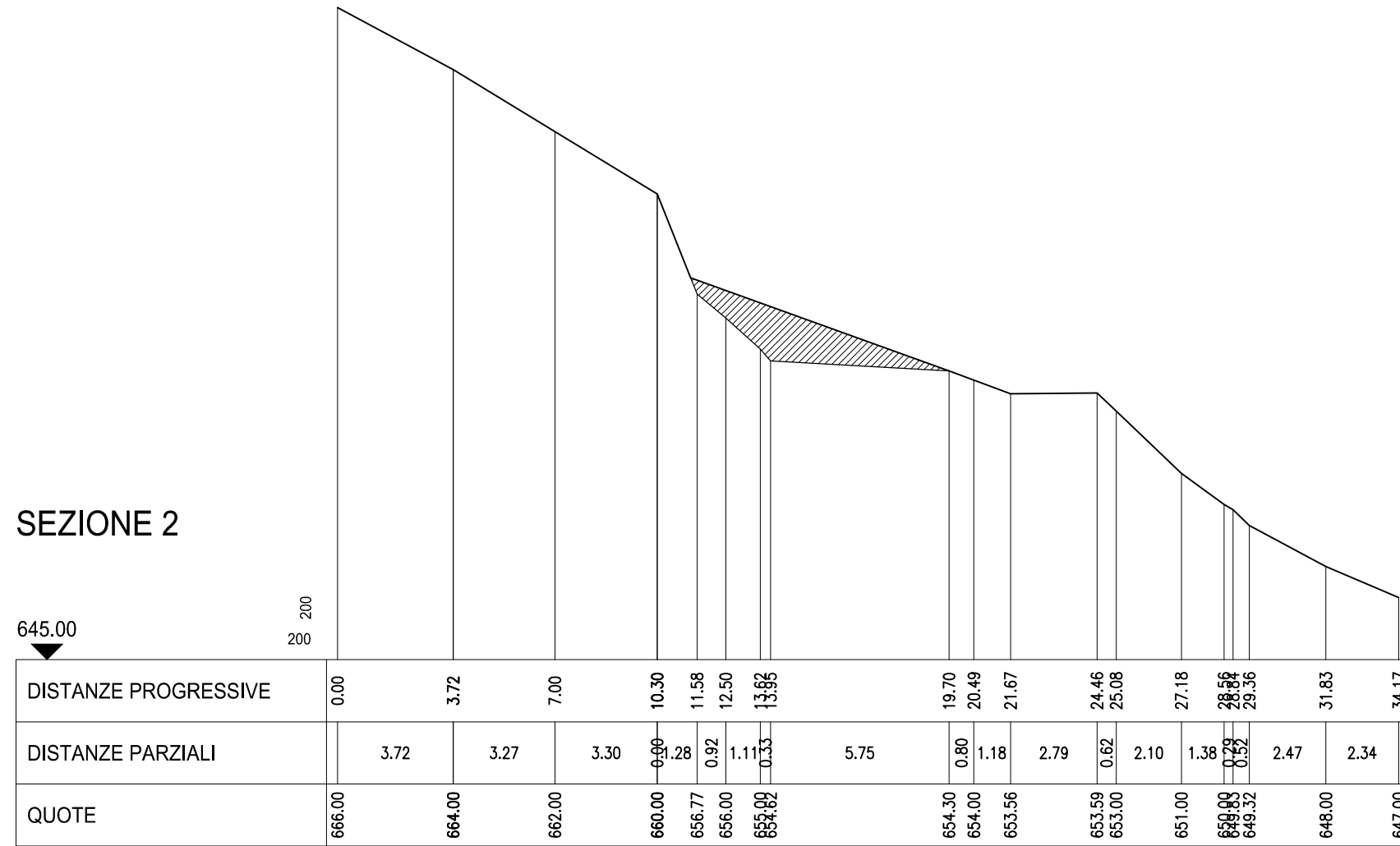


## SEZIONE 1

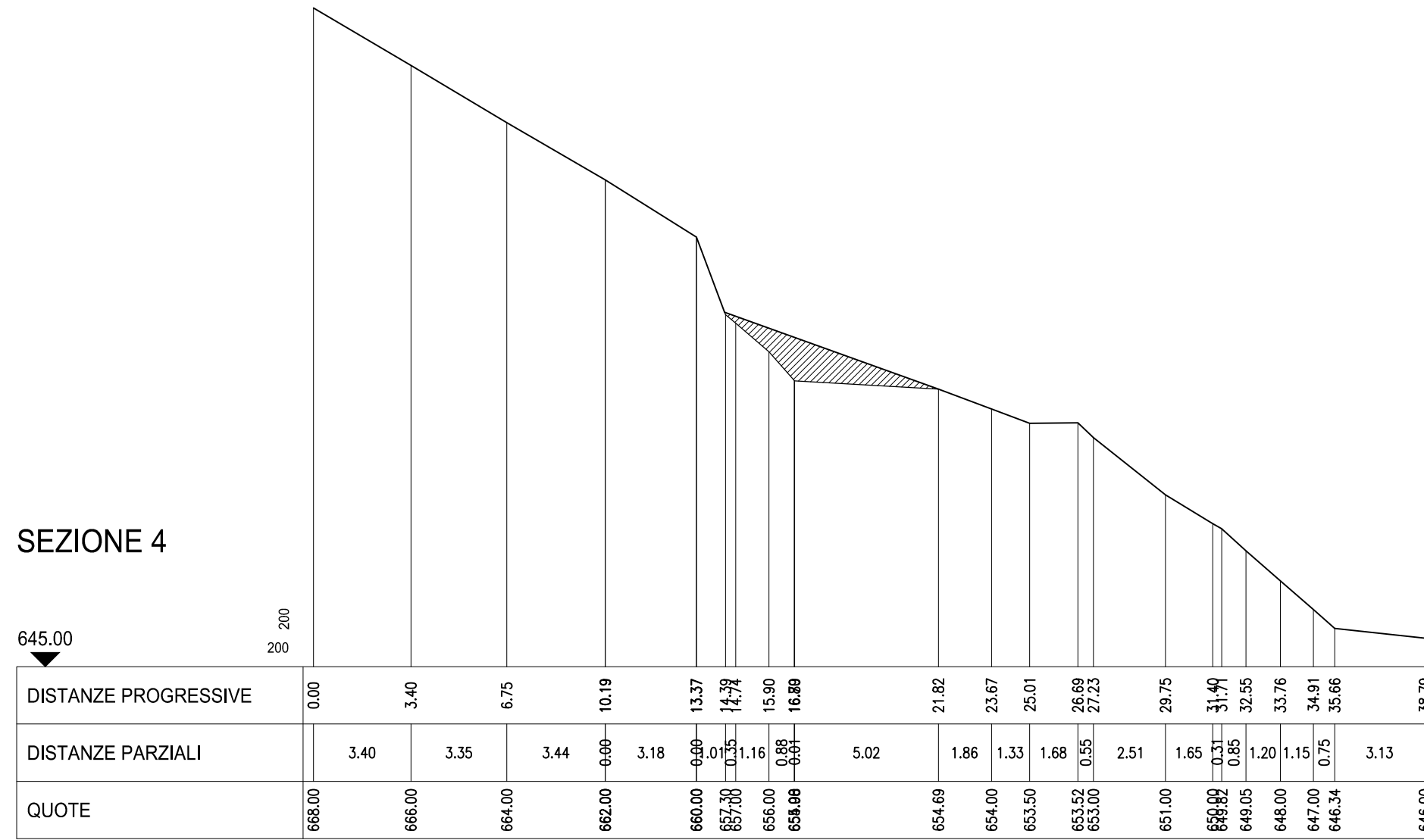
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200  
200

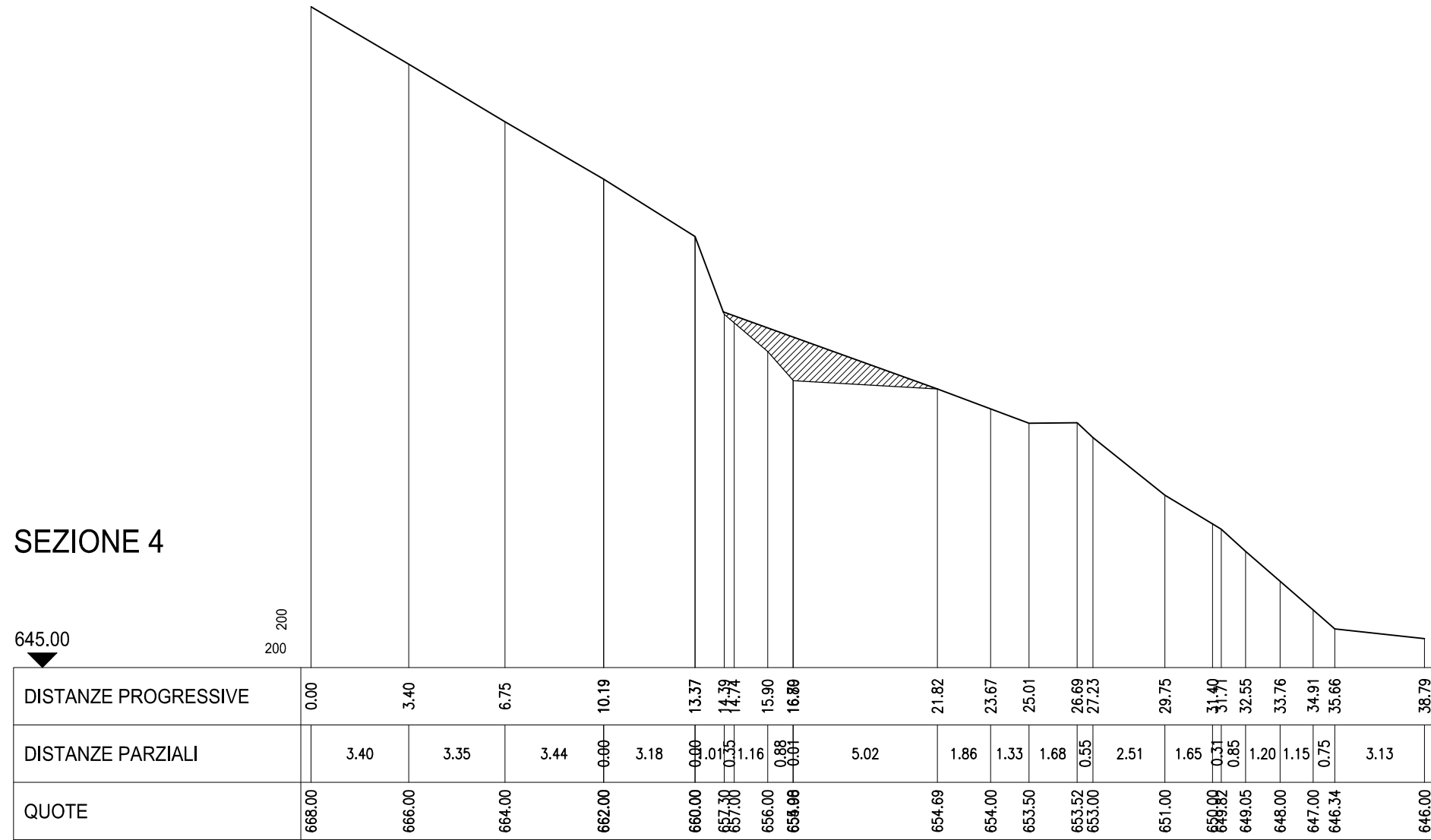
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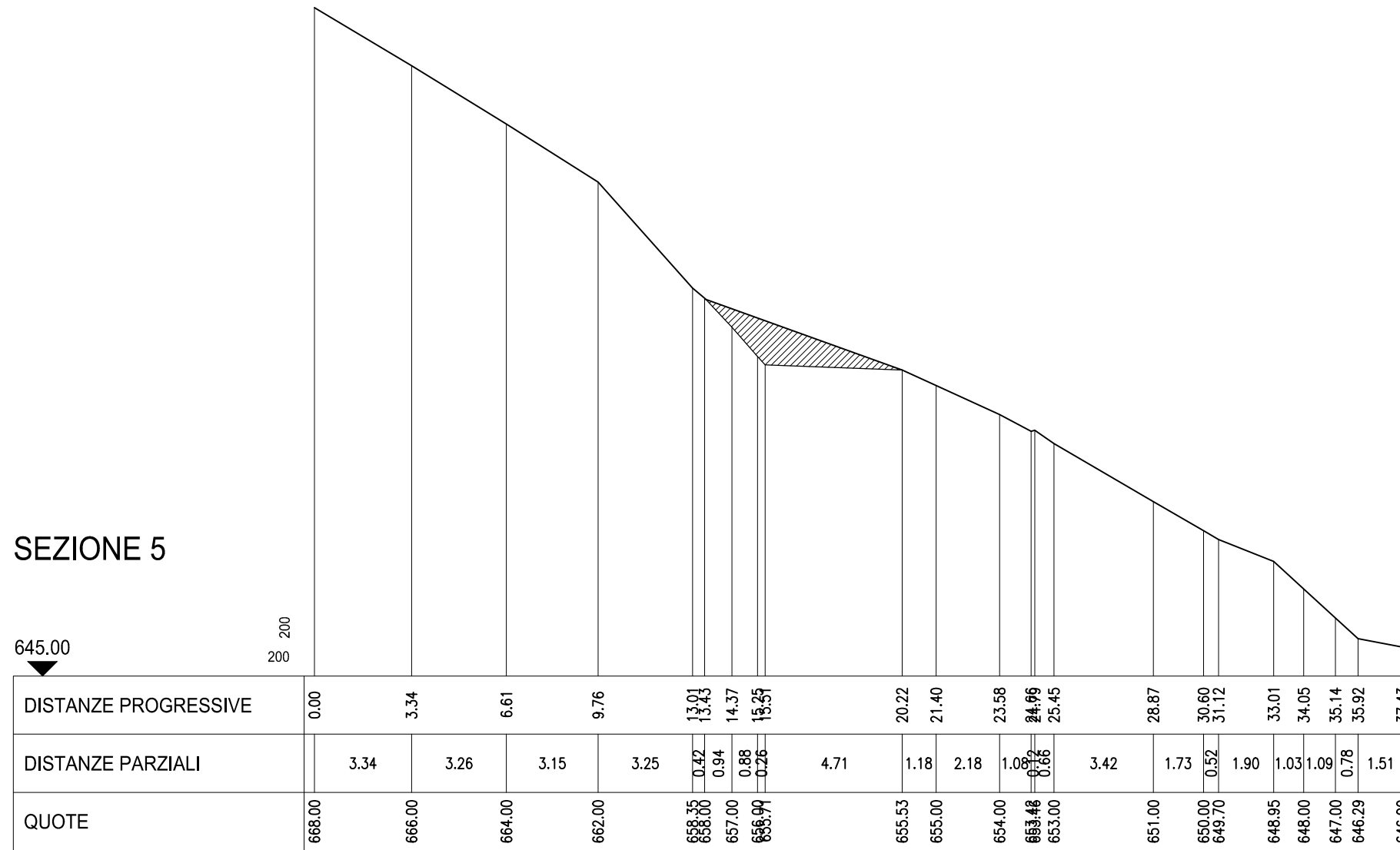
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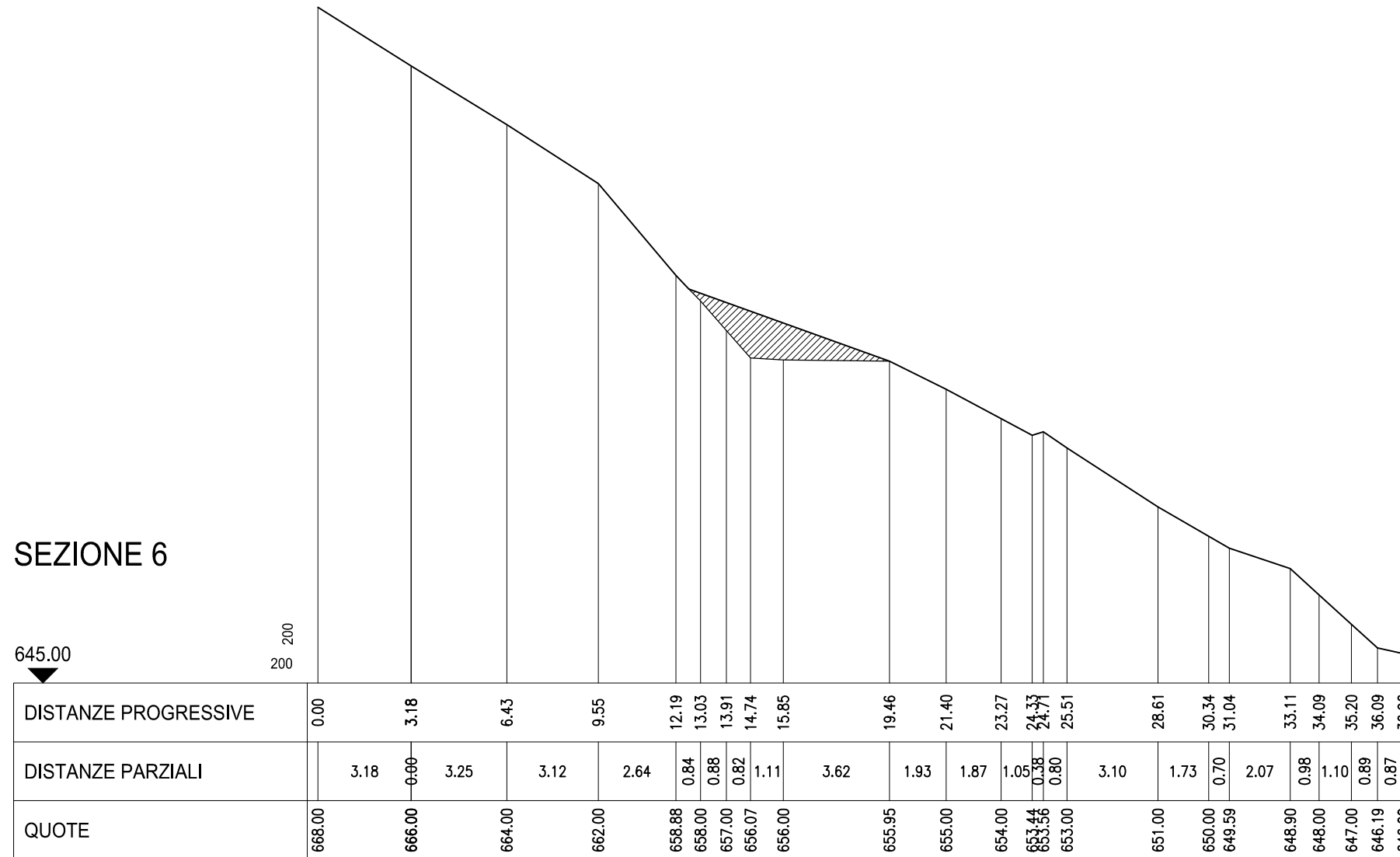
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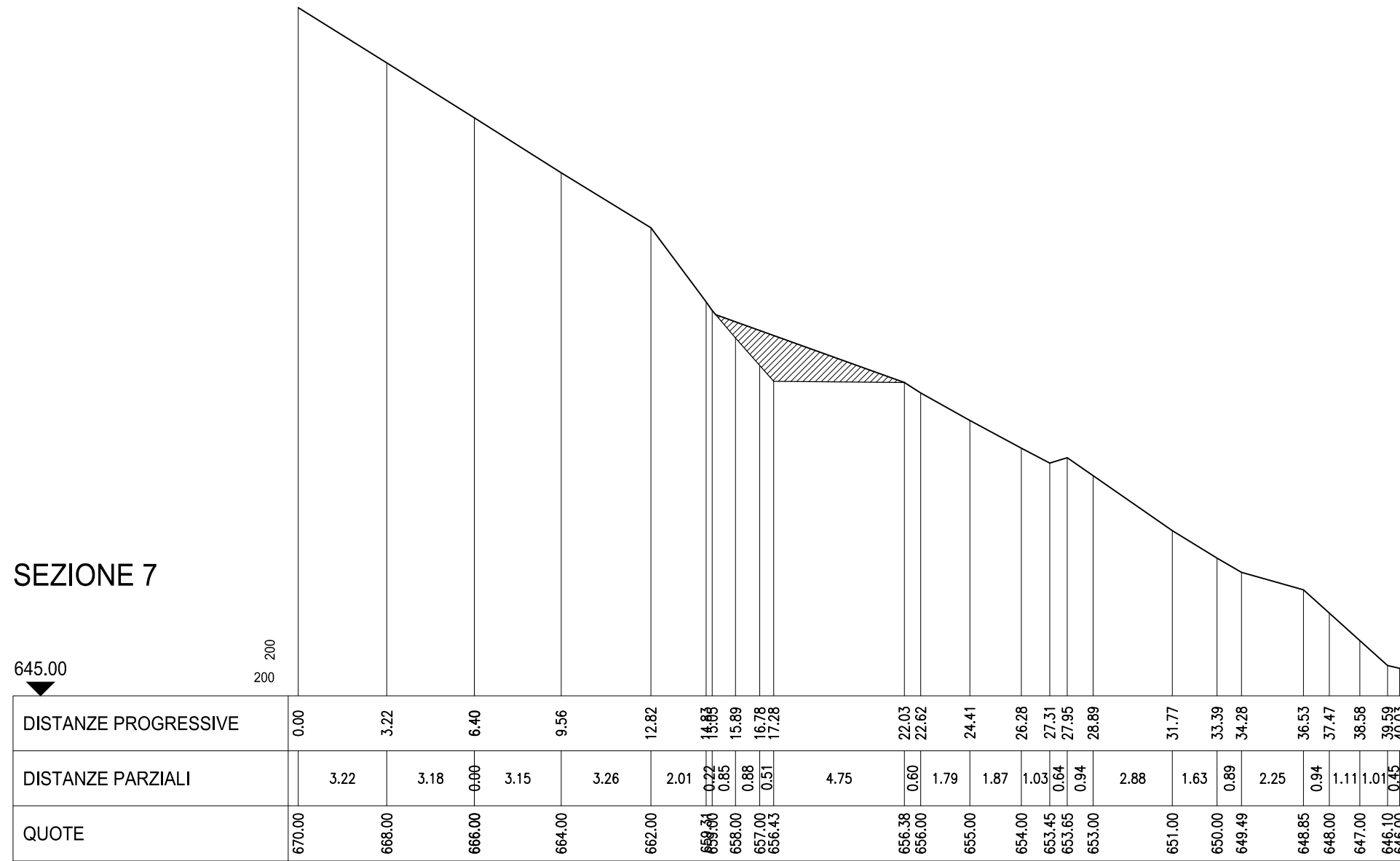
# SEZIONE 5



# SEZIONE 6

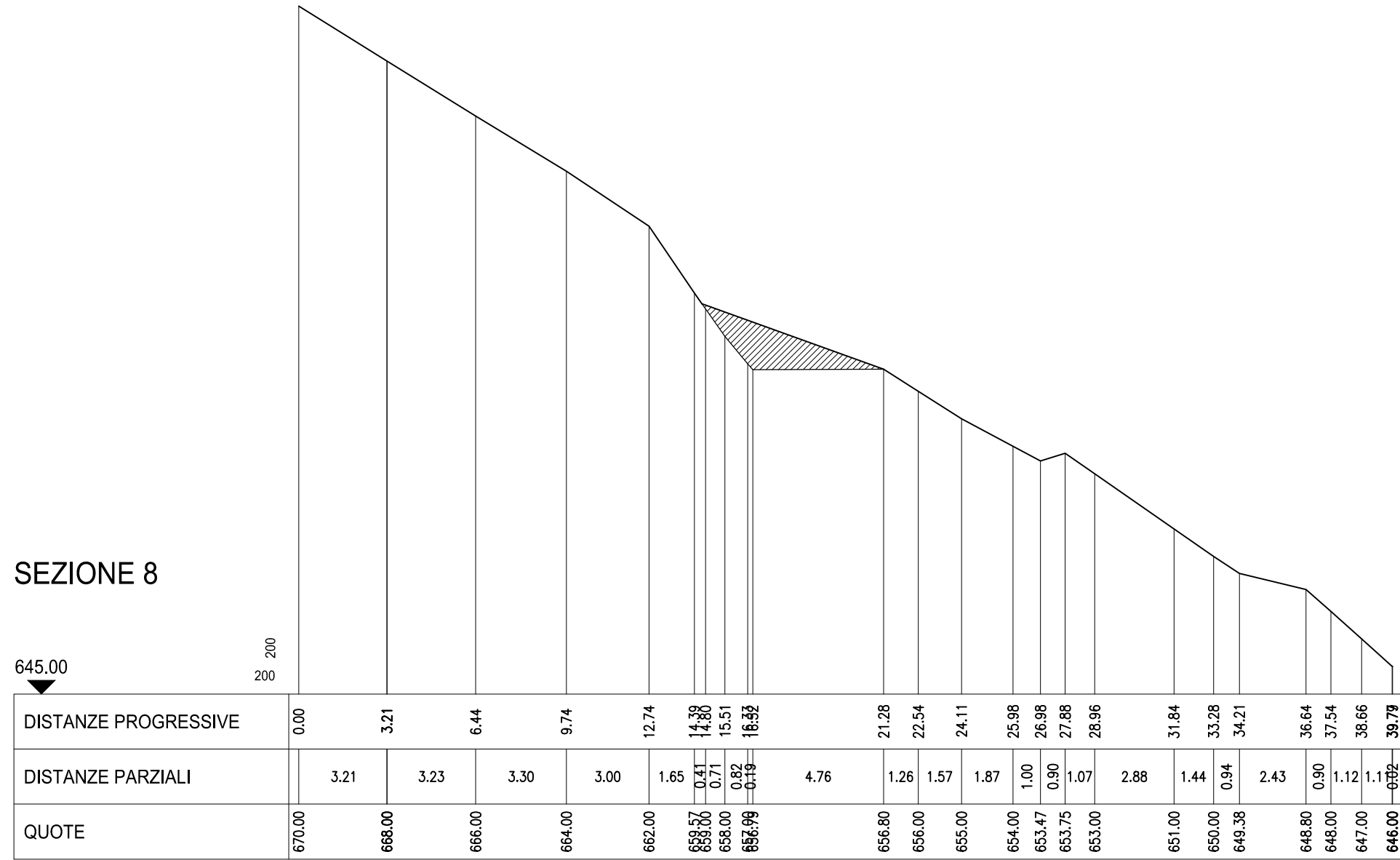


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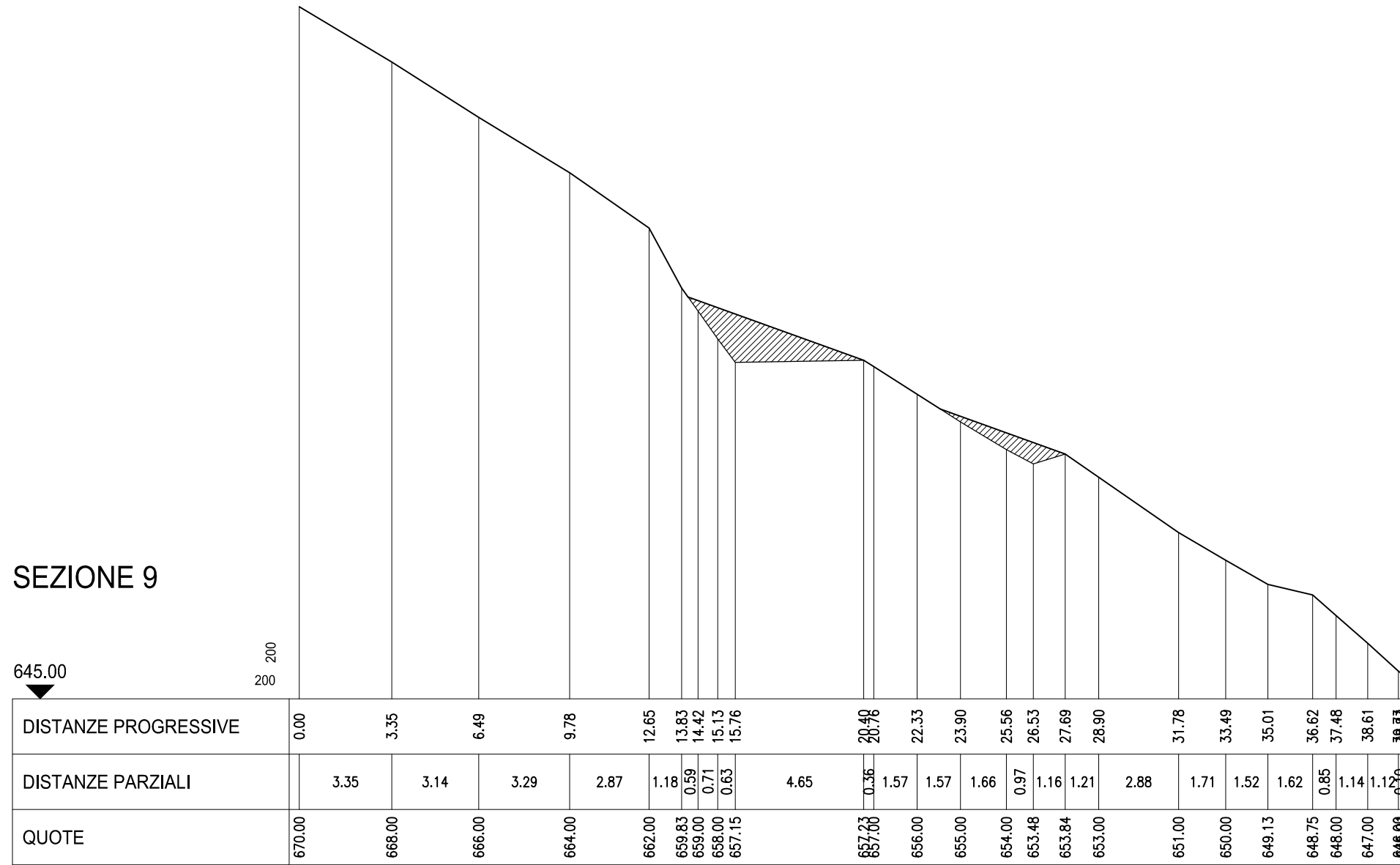




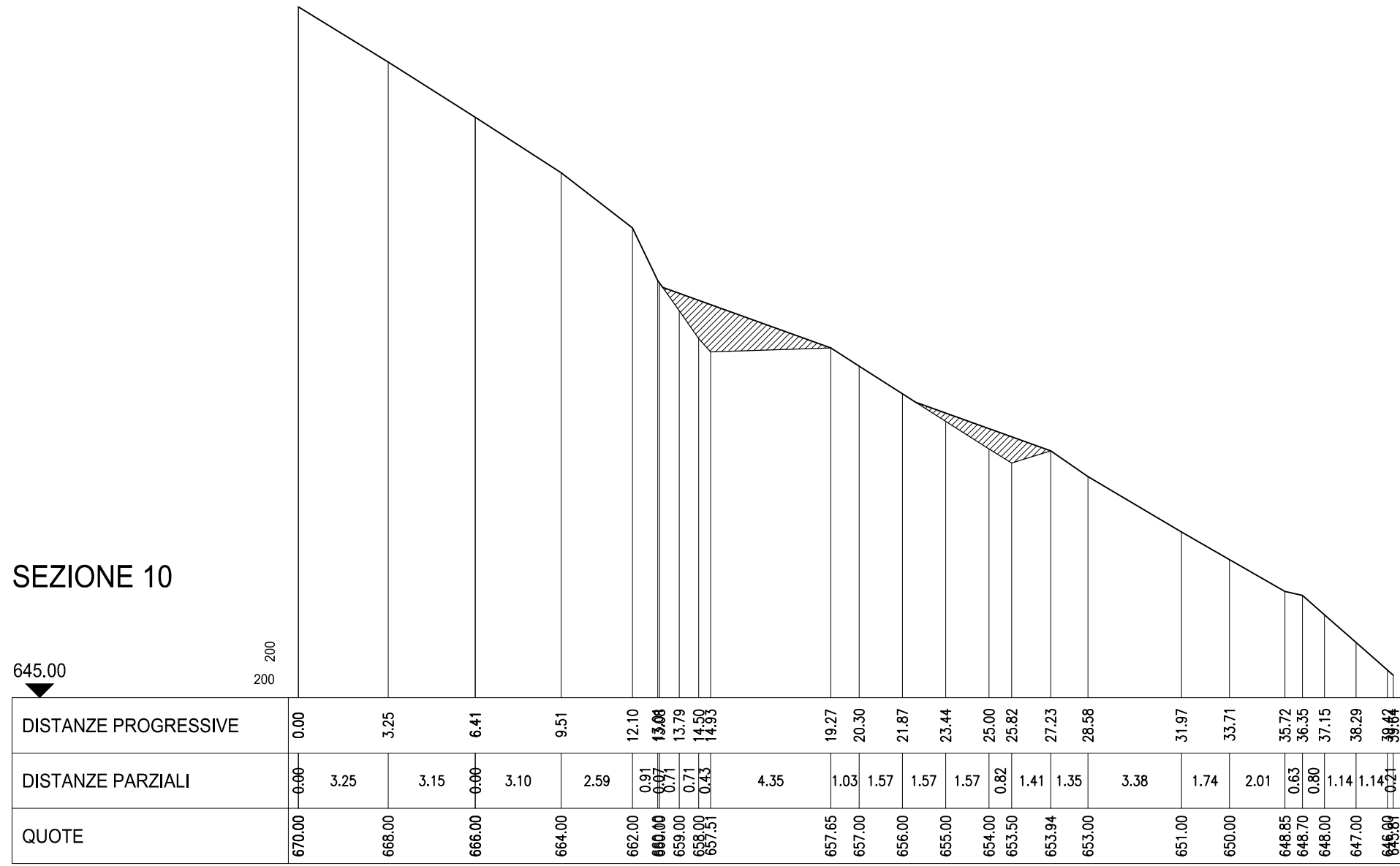
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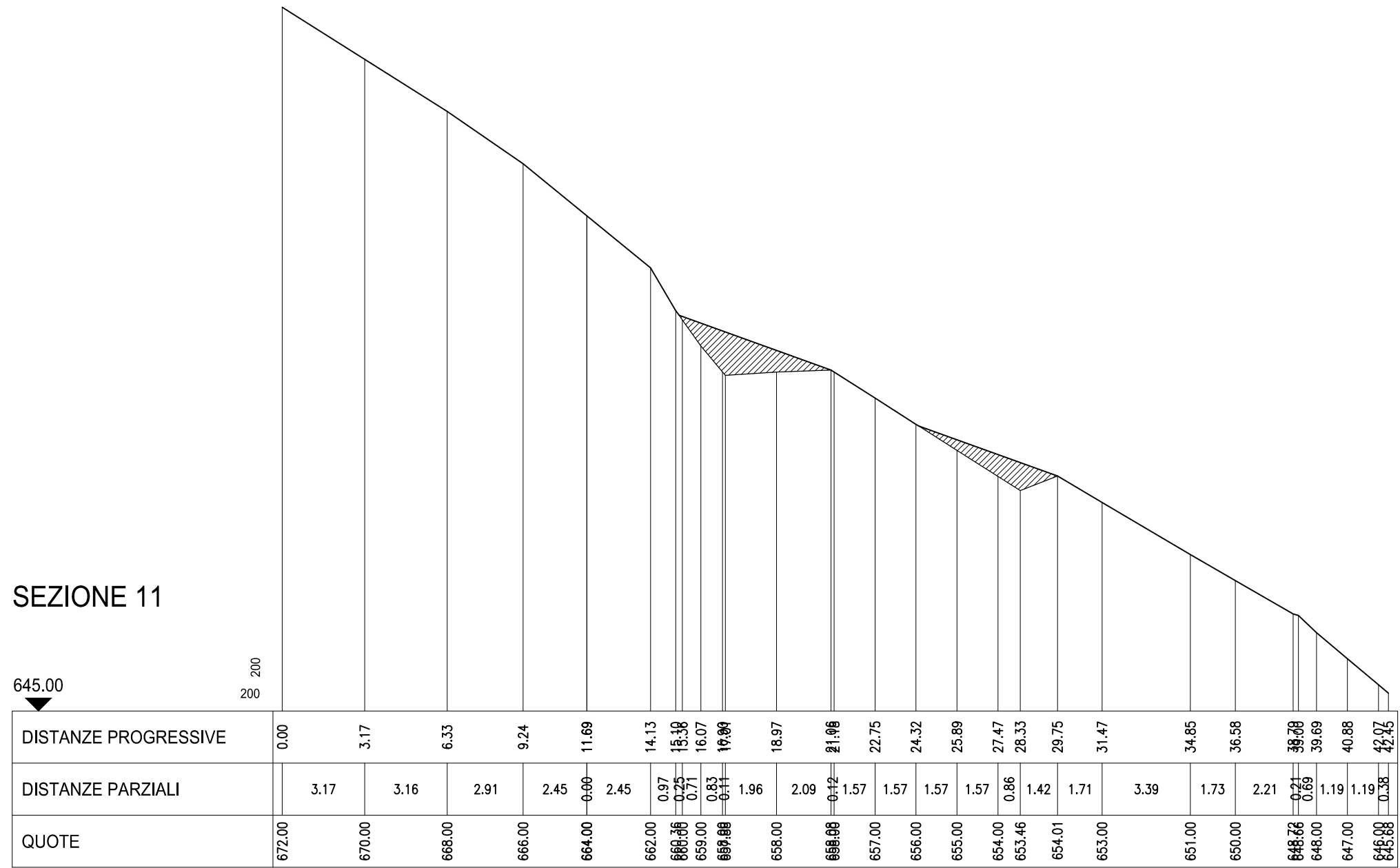
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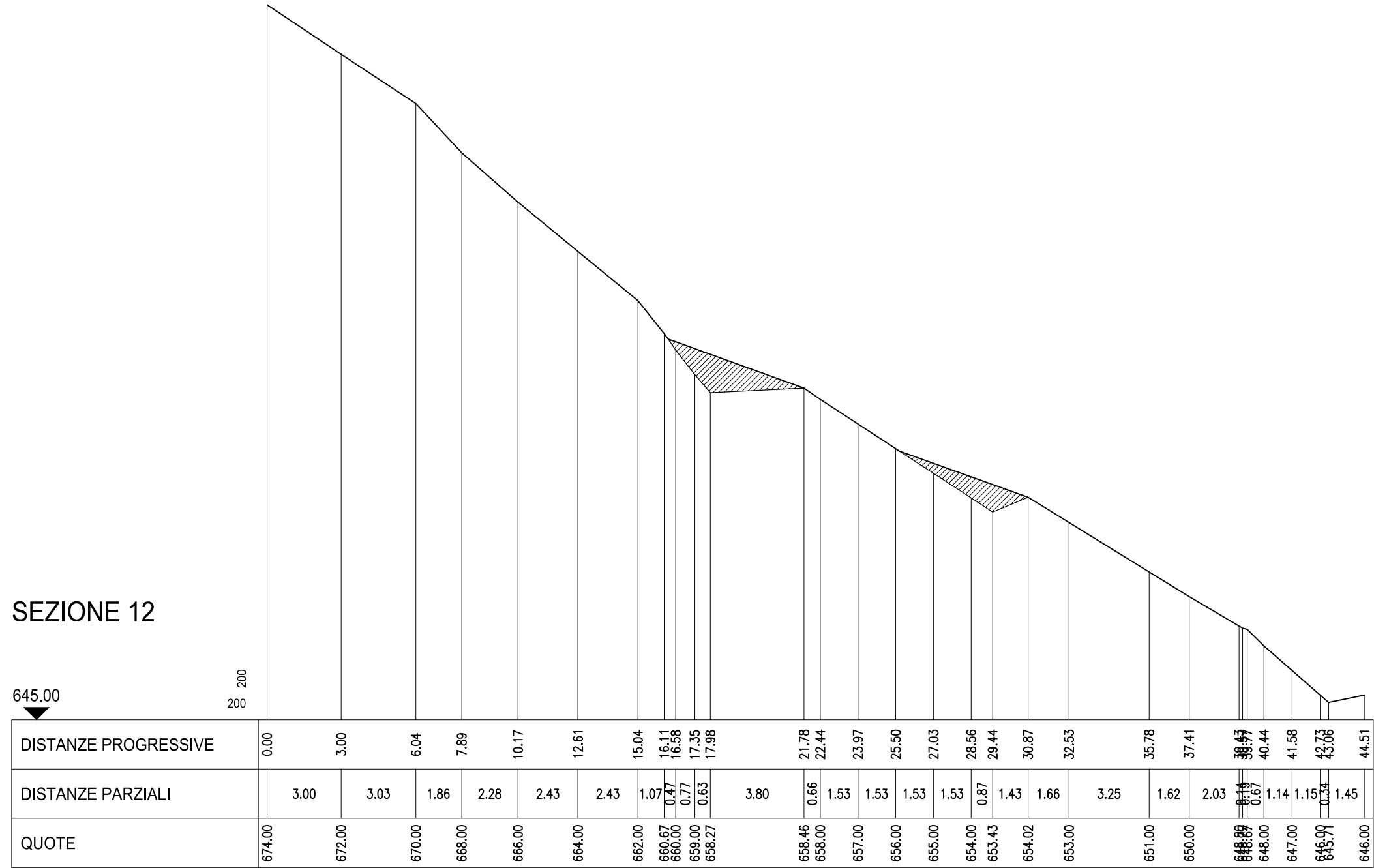
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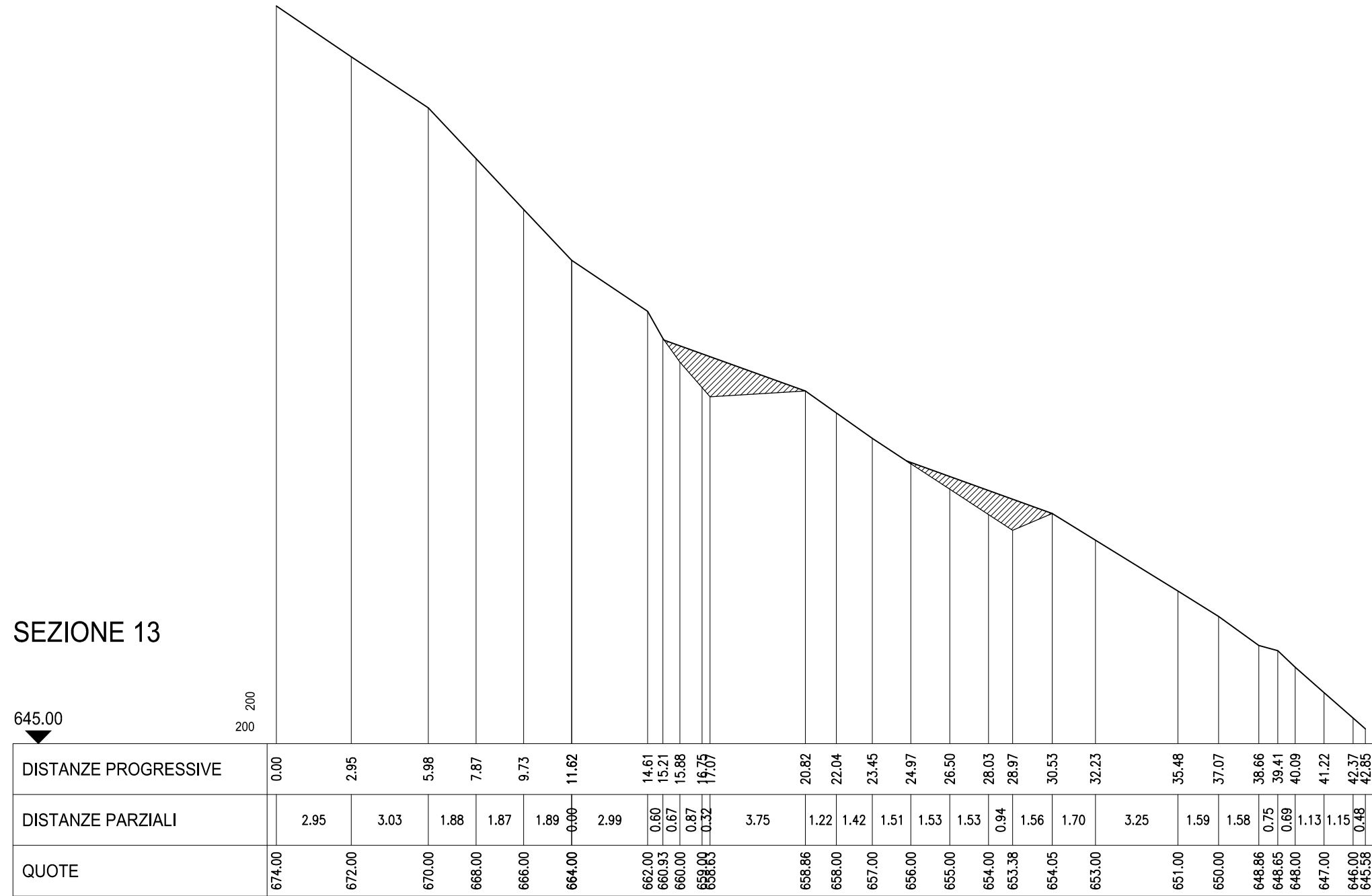
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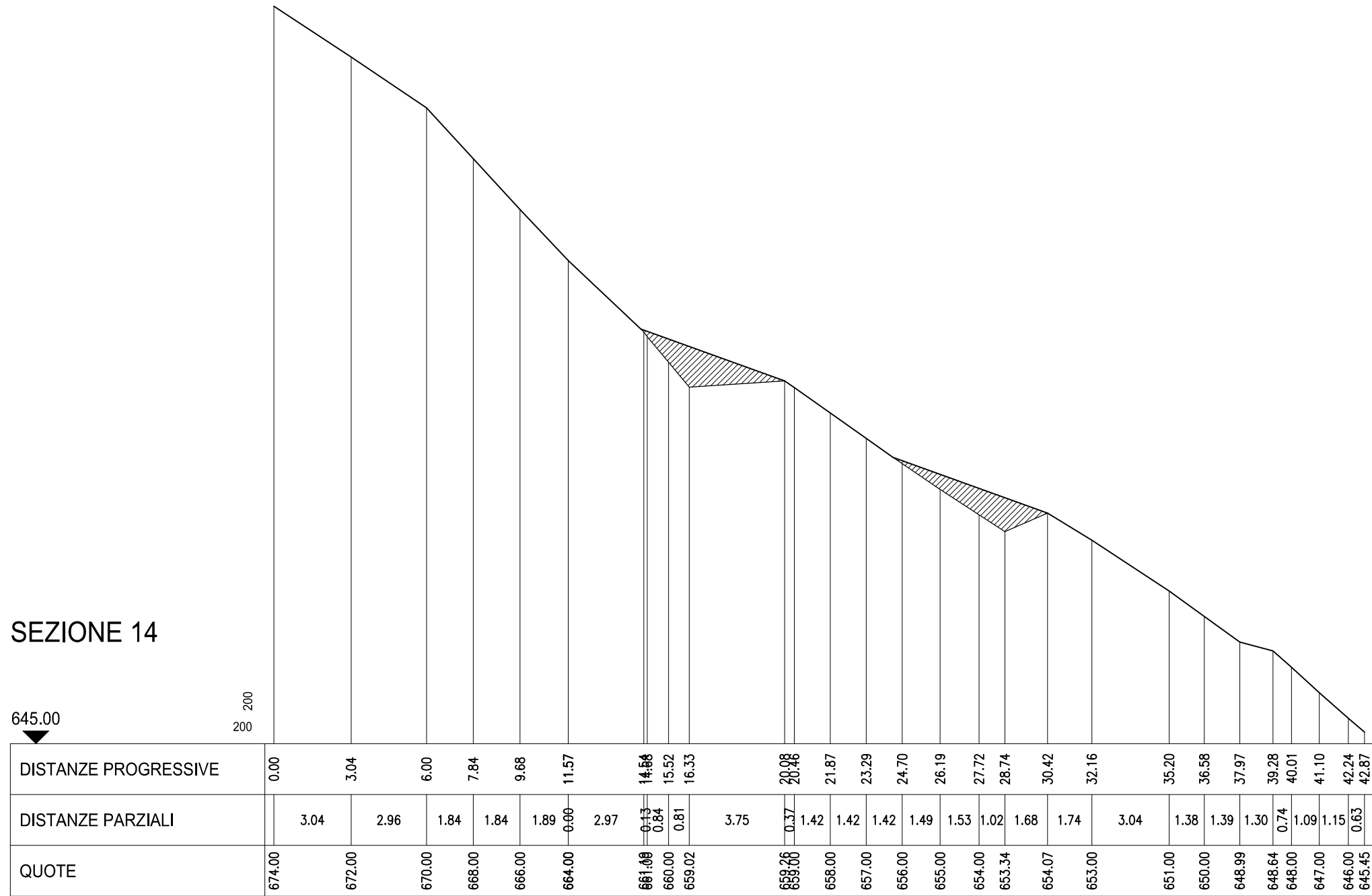
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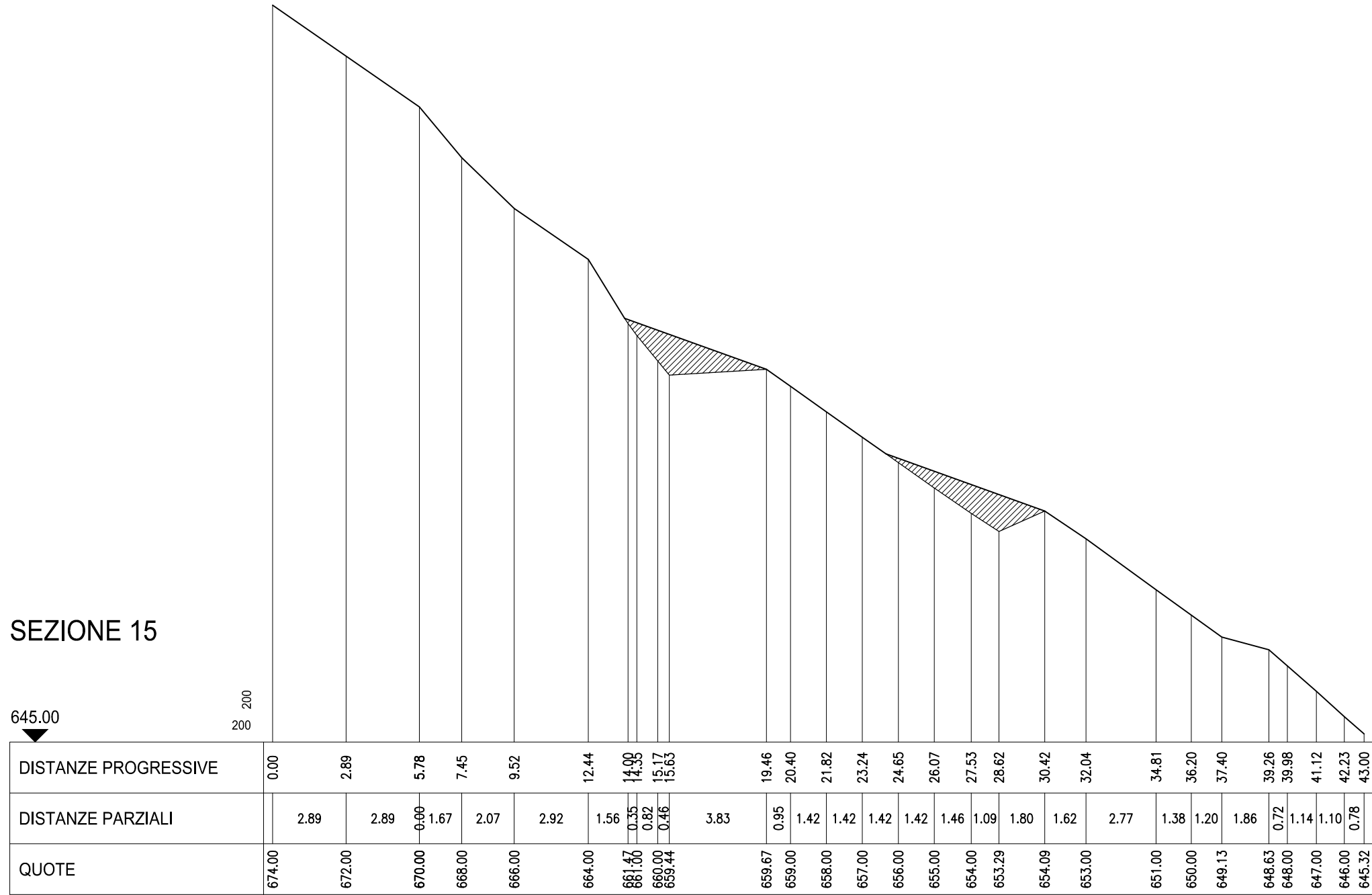
# SEZIONE 13



# SEZIONE 14

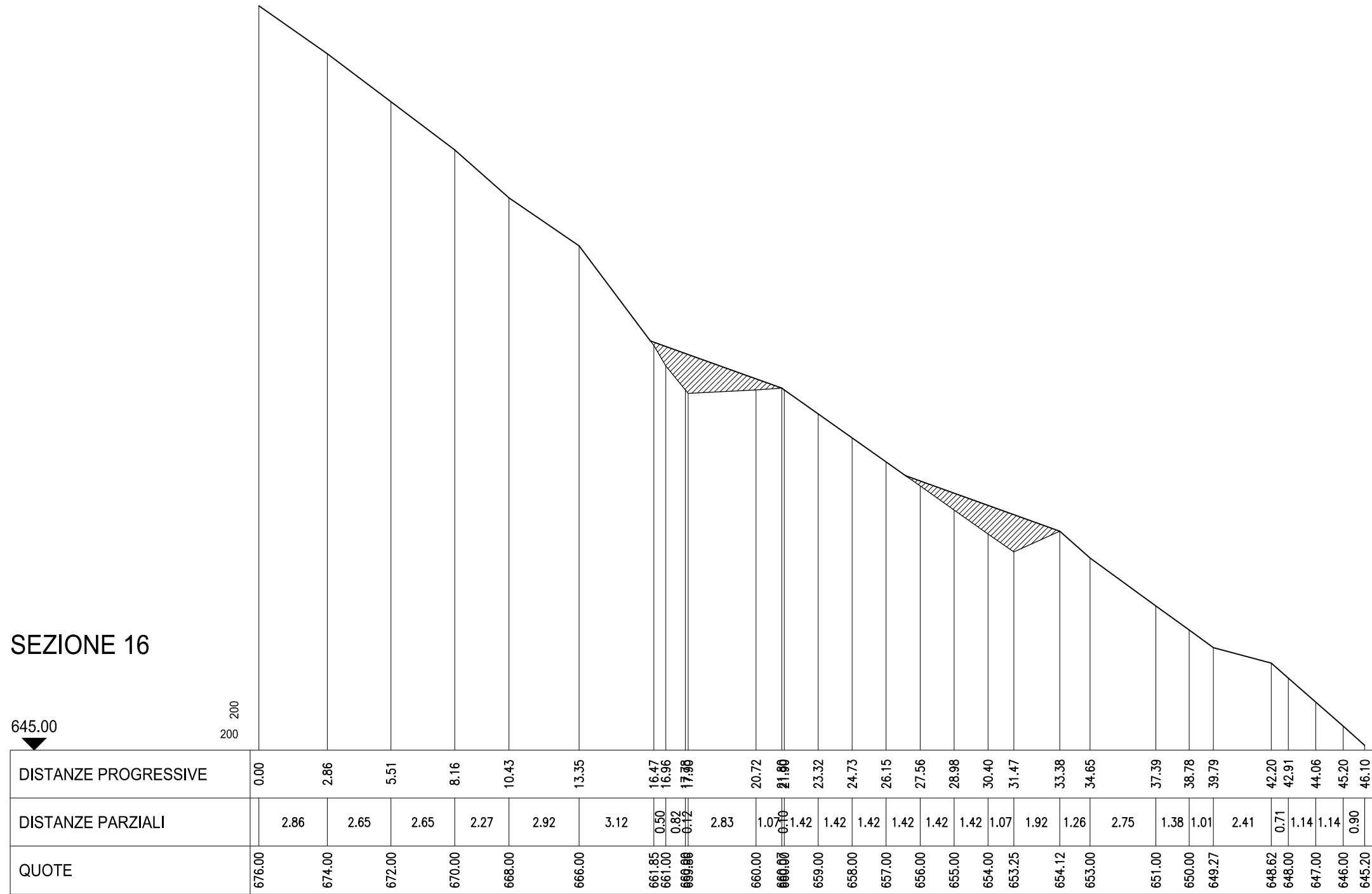


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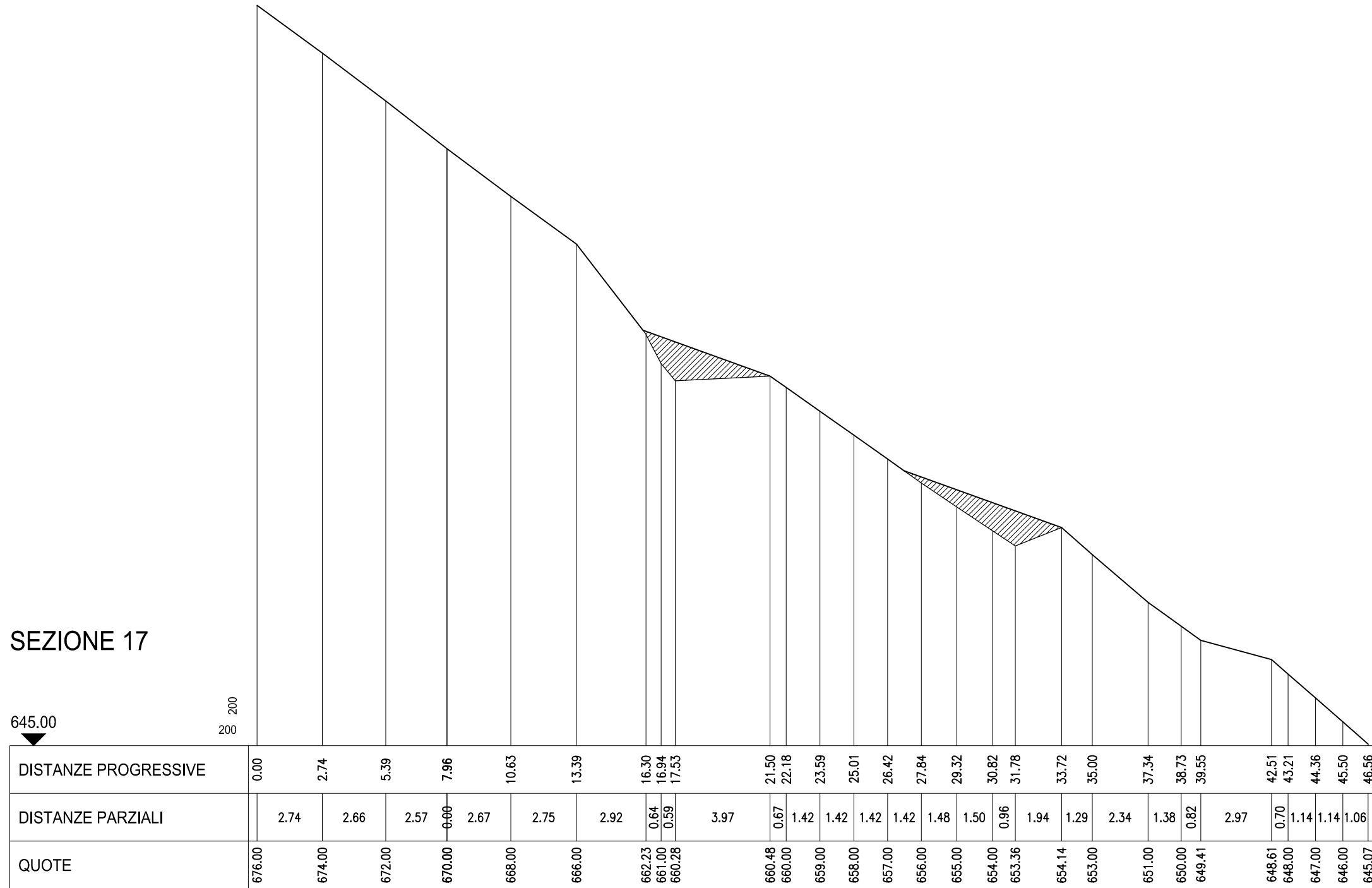




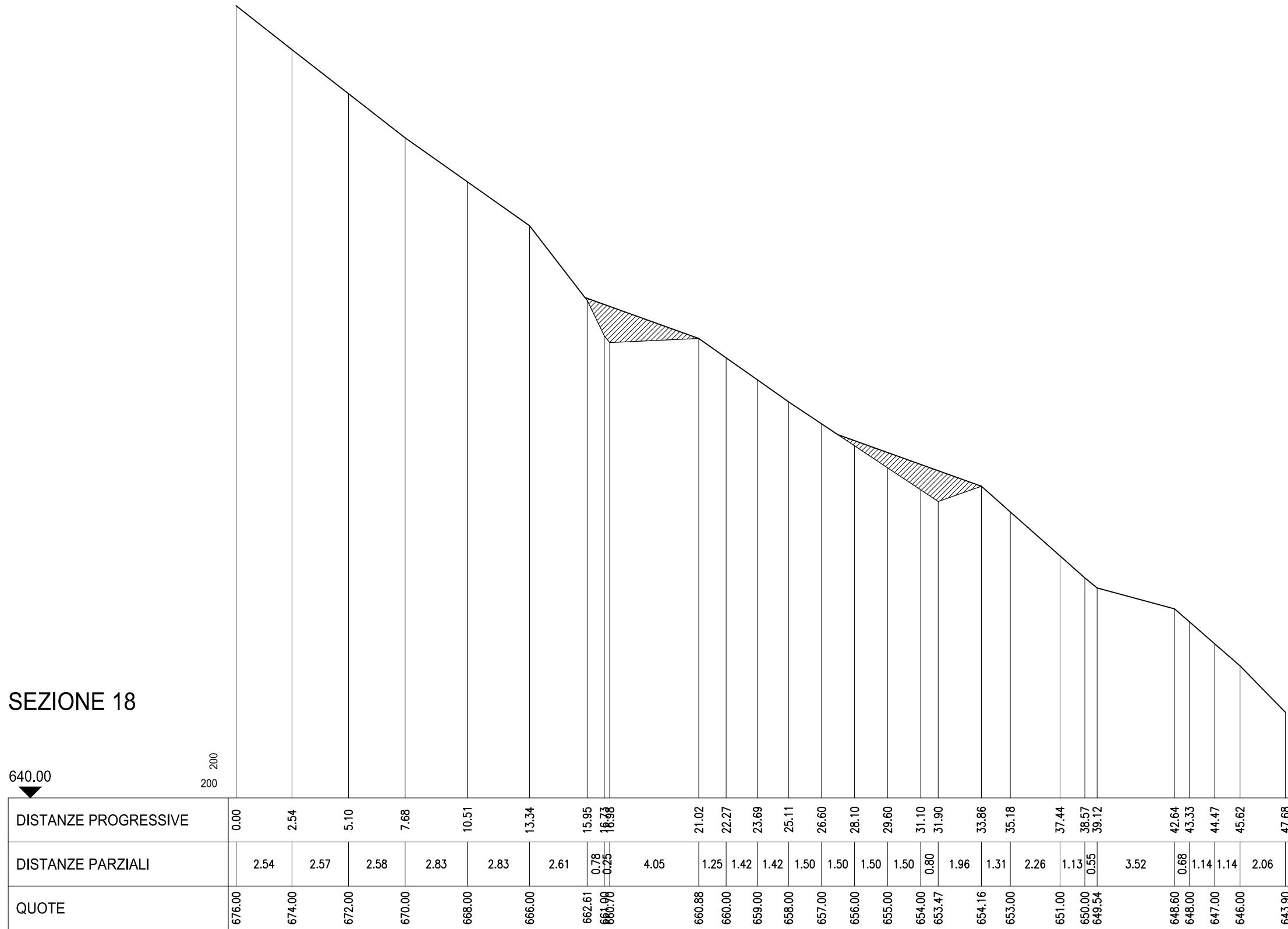
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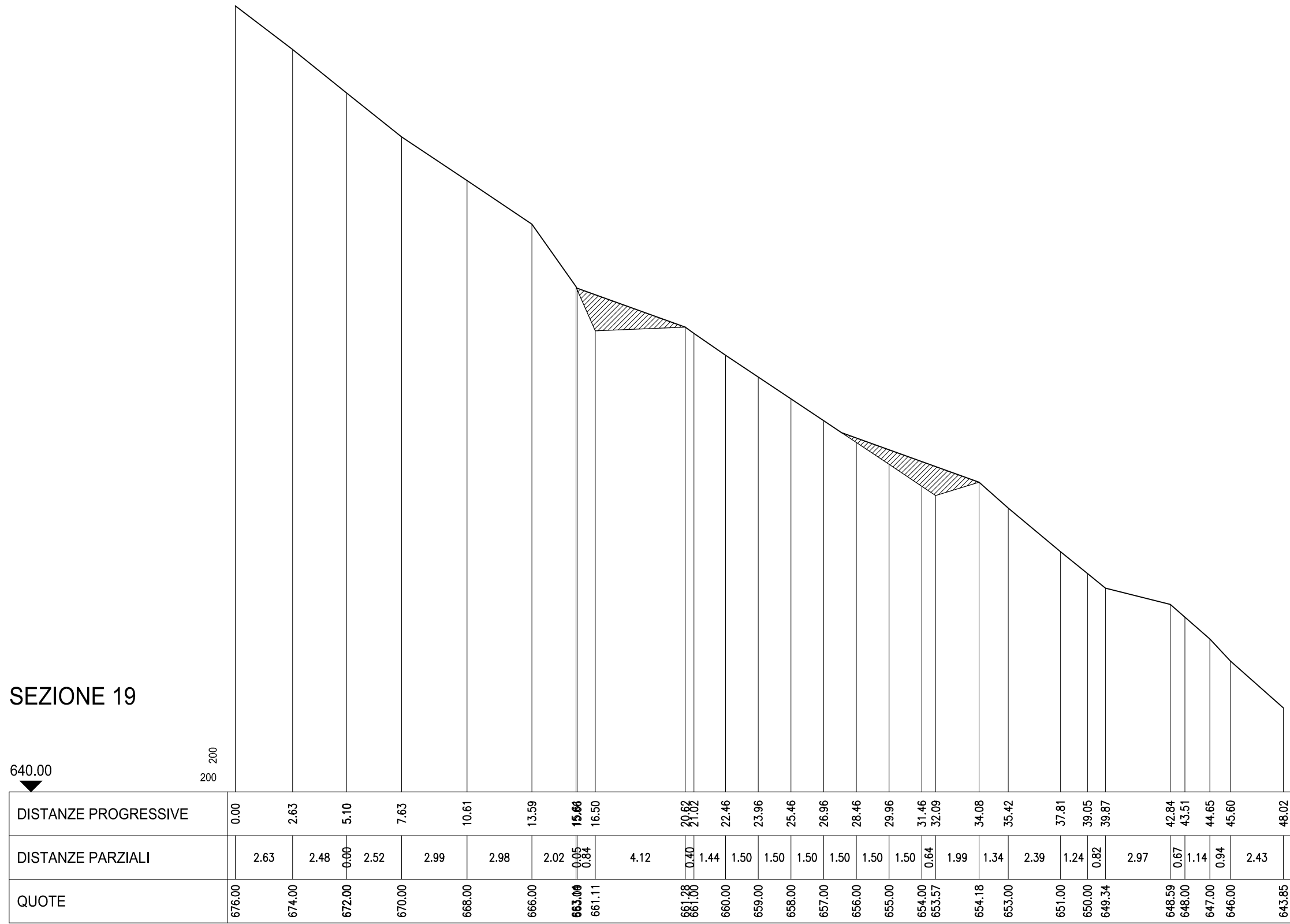
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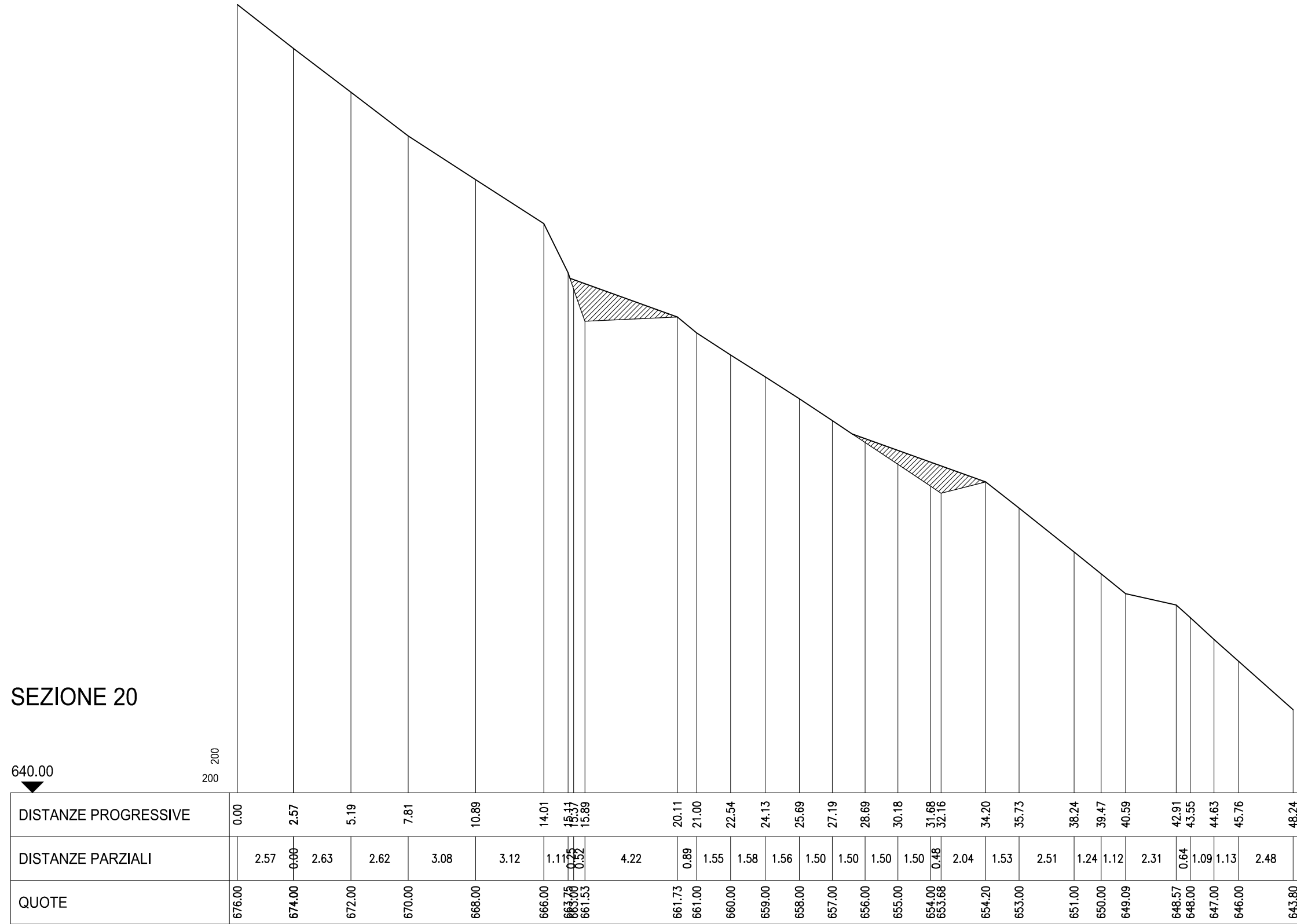
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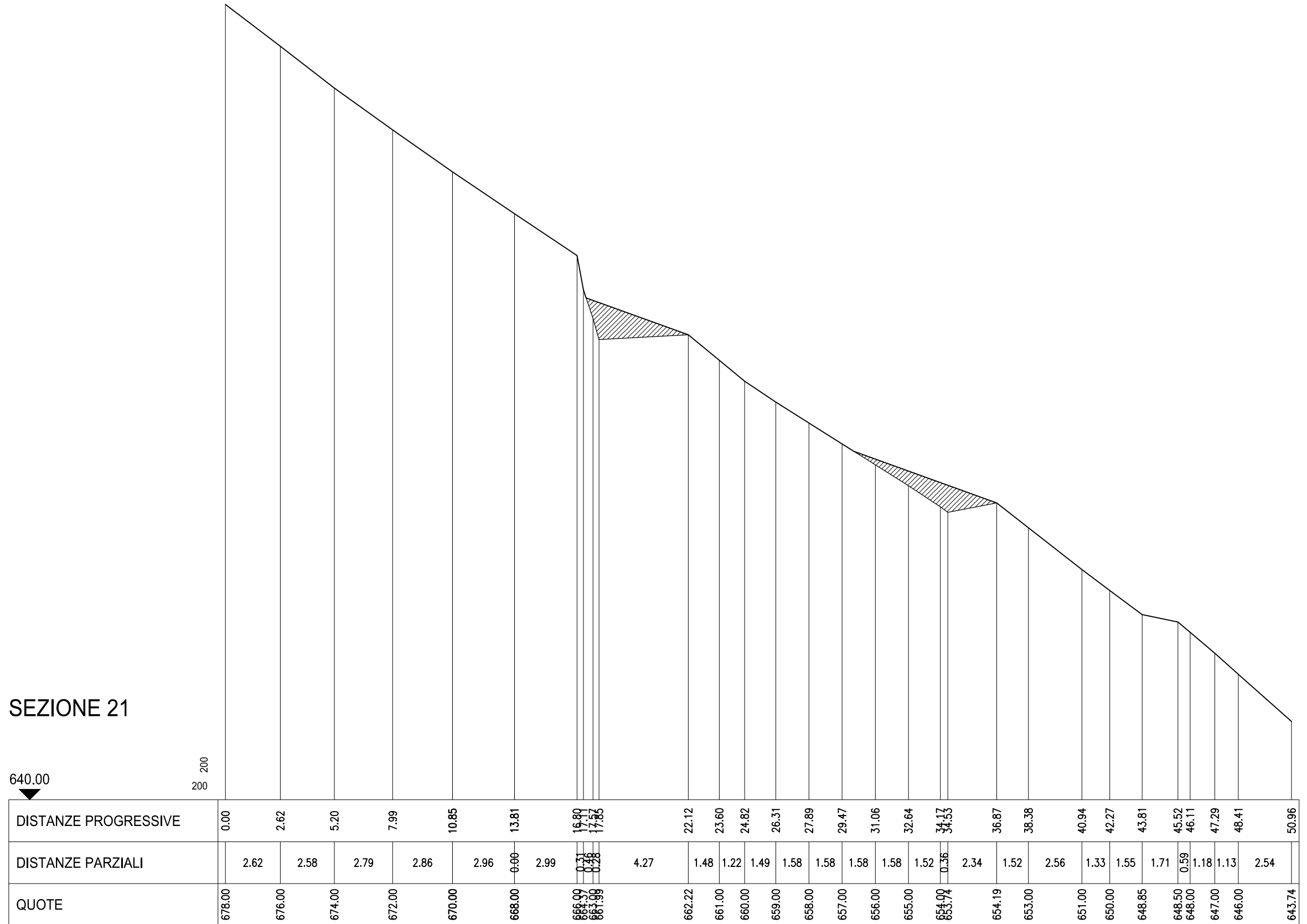
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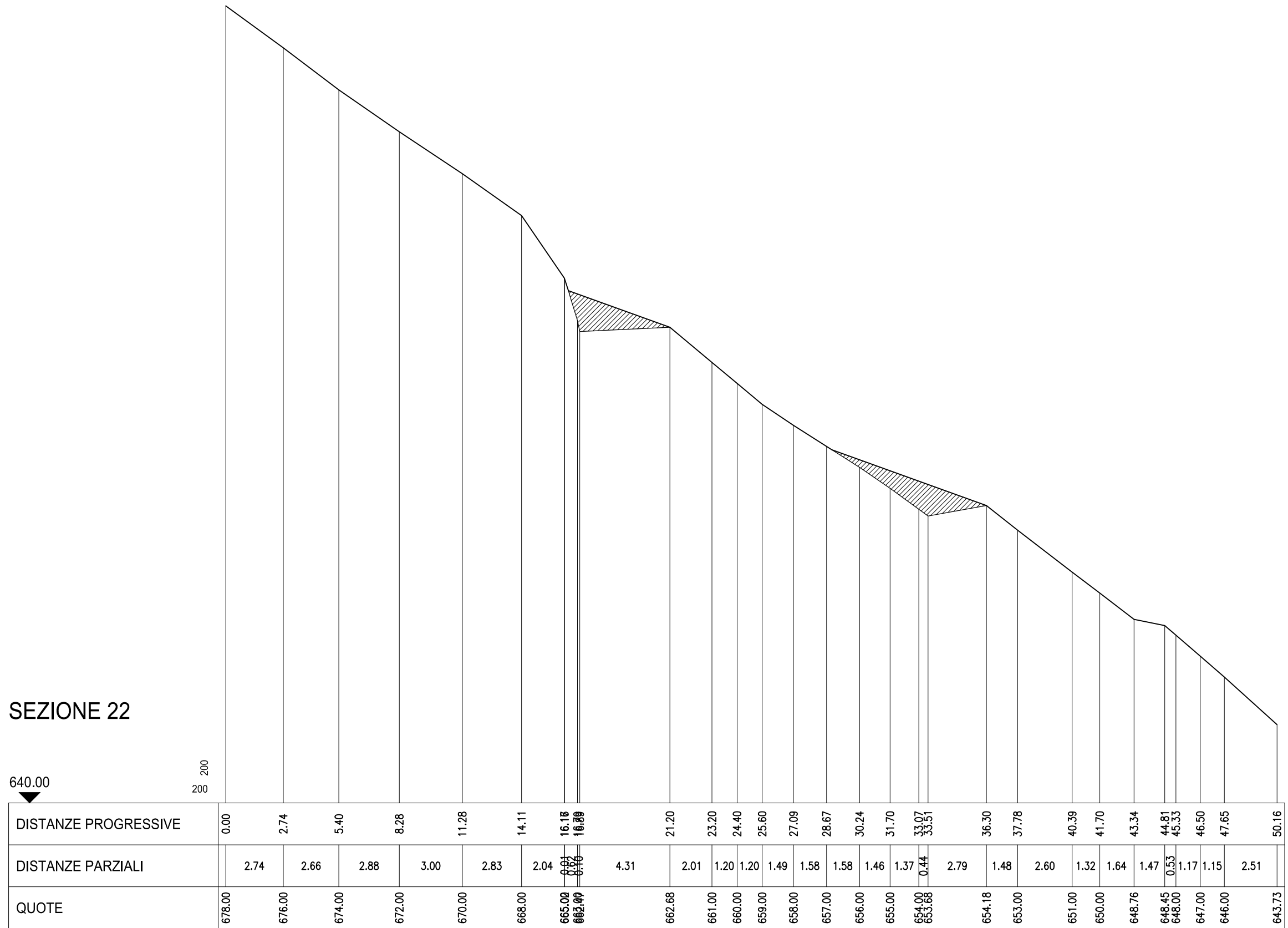
# SEZIONE 20



# SEZIONE 21



# SEZIONE 22



## SEZIONE 22

640.00

200

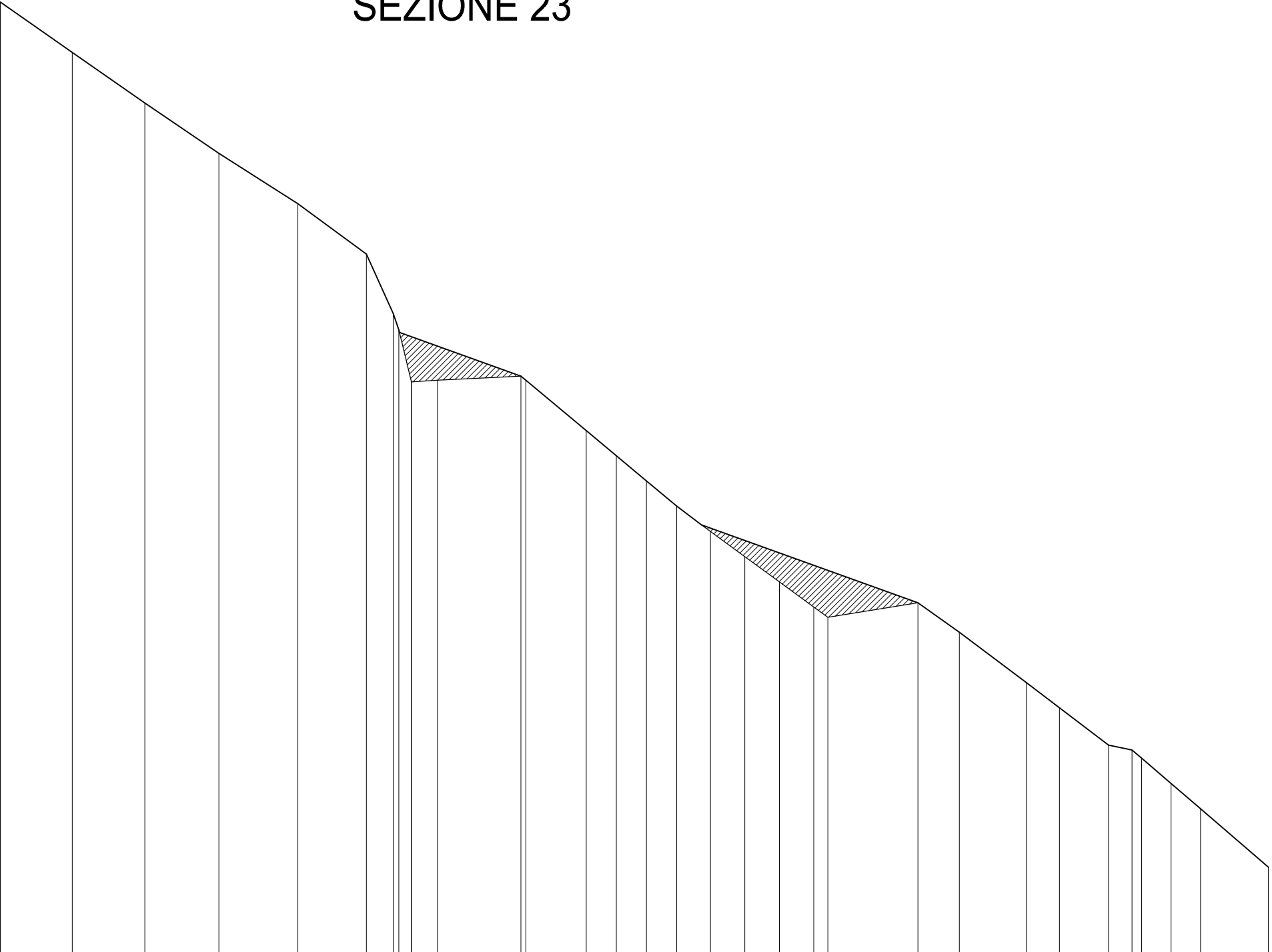
# SEZIONE 23

## SEZIONE 23

640.00

200

DISTANZE PROGRESSIVE	0.00	2.86	5.73	8.67	11.81	14.52	15.81	16.30	17.34	20.85	23.24	24.44	25.63	26.83	28.17	29.53	30.90	32.27	32.85	36.40	38.04	40.70	42.02	43.96	44.88	45.28	46.44	47.61	50.30	
DISTANZE PARZIALI		2.86	2.88	2.94	3.14	2.72	1.07	0.49	0.03	3.31	0.19	2.39	1.20	1.20	1.20	1.33	1.37	1.37	1.37	0.56	3.57	1.64	2.66	1.32	1.95	0.93	0.38	1.17	1.17	2.70
QUOTE	678.00	676.00	674.00	672.00	670.00	668.00	665.60	663.00	663.00	663.00	661.00	660.00	659.00	658.00	657.00	656.00	655.00	654.00	653.59	654.17	653.00	651.00	650.00	648.52	648.00	648.00	647.00	646.00	643.68	





# SEZIONE 24

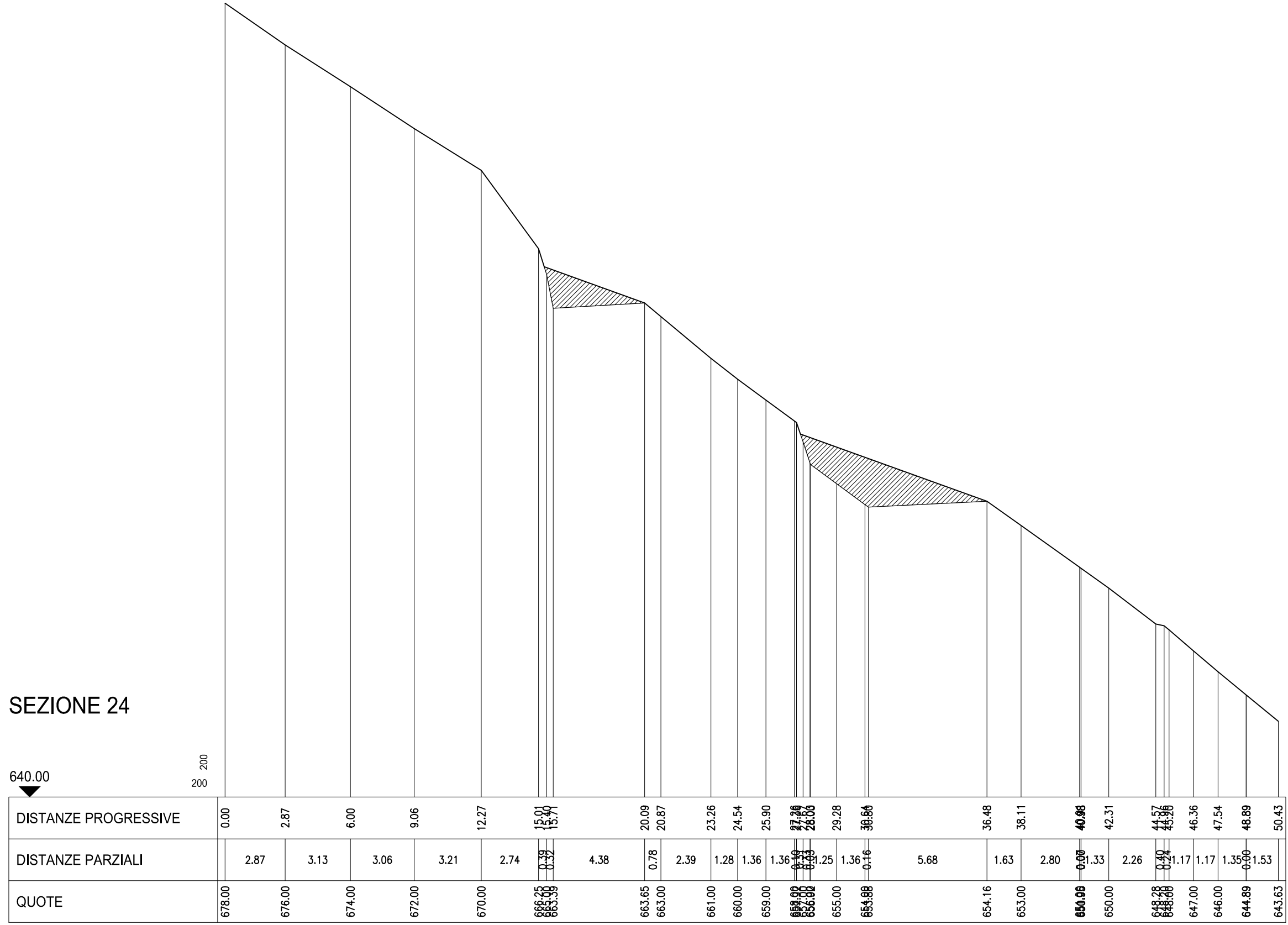
## SEZIONE 24

640.00



200

200



DISTANZE PROGRESSIVE	0.00	2.87	6.00	9.06	12.27	15.01	15.91	20.09	20.87	23.26	24.54	25.90	27.88	28.66	29.28	30.80	36.48	38.11	40.98	42.31	44.57	45.20	46.36	47.54	48.89	50.43				
DISTANZE PARZIALI		2.87	3.13	3.06	3.21	2.74	0.39	4.38	0.78	2.39	1.28	1.36	1.36	0.49	0.33	1.25	1.36	0.16	5.68	1.63	2.80	0.00	1.33	2.26	0.40	1.17	1.17	1.35	0.00	1.53
QUOTE	678.00	676.00	674.00	672.00	670.00	668.25	663.38	663.65	663.00	661.00	660.00	659.00	659.00	656.00	656.00	655.00	653.88	654.16	653.00	650.00	650.00	648.28	648.28	647.00	646.00	644.89	643.63			

# SEZIONE 25

## SEZIONE 25

640.00

200  
200

DISTANZE PROGRESSIVE	0.00	3.04	6.09	9.38	12.64	14.34	14.83	19.44	20.87	23.60	24.96	26.32	27.48	28.19	28.75	29.93	36.47	38.09	40.89	42.30	45.09	46.30	47.52	50.46	55.46	57.91
DISTANZE PARZIALI		3.04	3.05	3.29	3.26	0.00	1.70	4.41	1.43	2.72	1.36	1.36	1.06	0.73	0.56	1.20	6.55	1.62	2.80	1.40	2.79	1.21	1.22	2.95	4.99	2.46
QUOTE	678.00	676.00	674.00	672.00	670.00	668.86	668.86	664.14	663.00	661.00	660.00	659.00	658.00	656.00	654.17	654.00	654.15	653.00	651.00	650.00	648.00	647.00	646.00	643.58	643.02	644.12

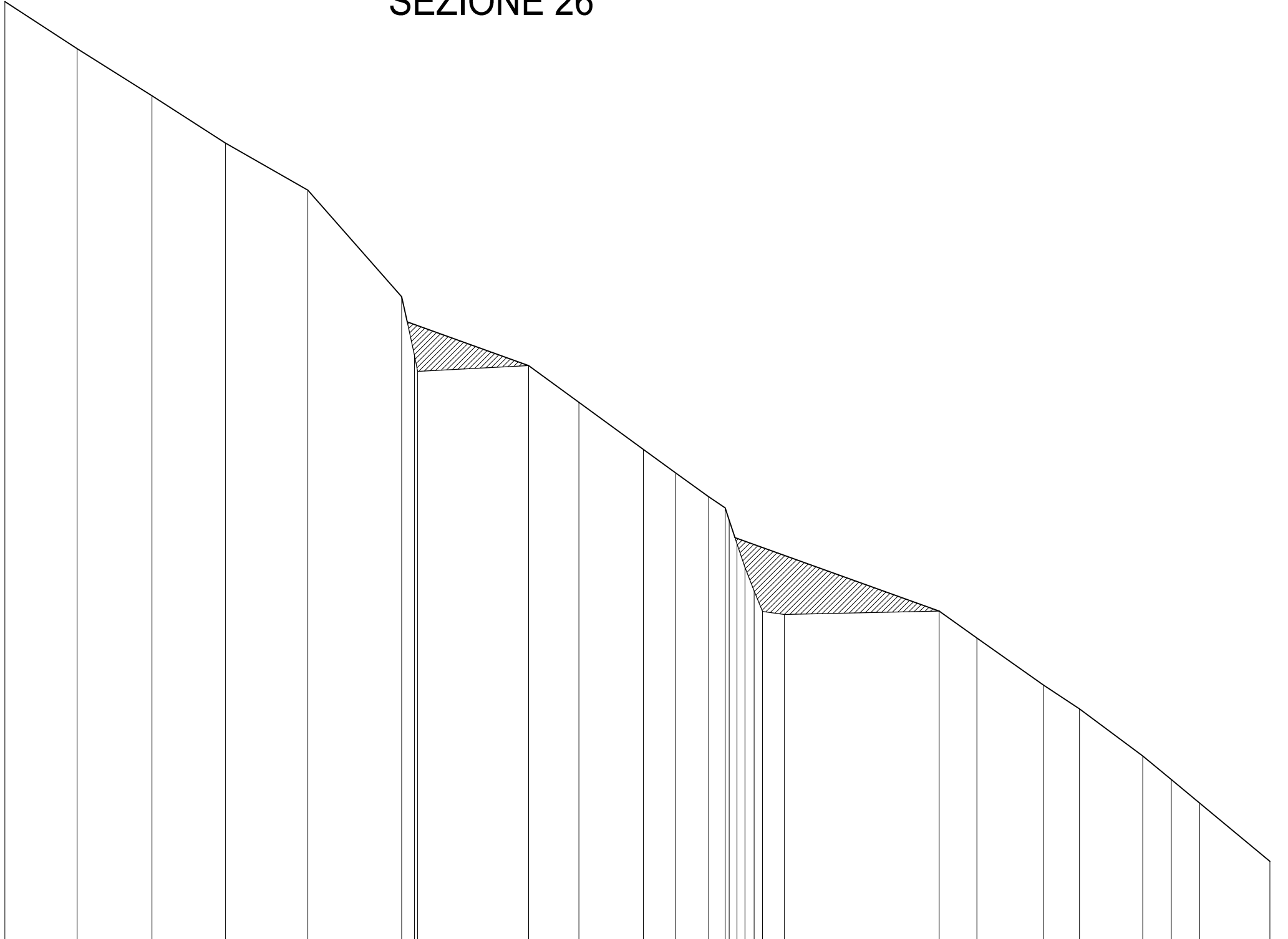
# SEZIONE 26

## SEZIONE 26

640.00  
▼

200  
200

DISTANZE PROGRESSIVE	0.00	3.06	6.24	9.35	12.85	16.83	17.39	22.22	24.35	27.08	28.45	29.86	30.55	31.98	32.14	33.07	39.63	41.23	44.06	45.59	48.27	49.48	50.68	53.66	
DISTANZE PARZIALI		3.06	3.17	3.12	3.50	3.98	0.56	4.71	2.13	2.73	1.37	1.40	0.70	1.43	0.33	0.36	6.57	1.60	2.83	1.53	2.68	1.21	1.21	2.98	
QUOTE	680.00	678.00	676.00	674.00	672.00	667.48	664.99	664.56	663.00	661.00	660.00	659.00	658.58	657.60	656.00	654.13	654.00	654.14	653.00	651.00	650.00	648.00	647.00	646.00	643.53

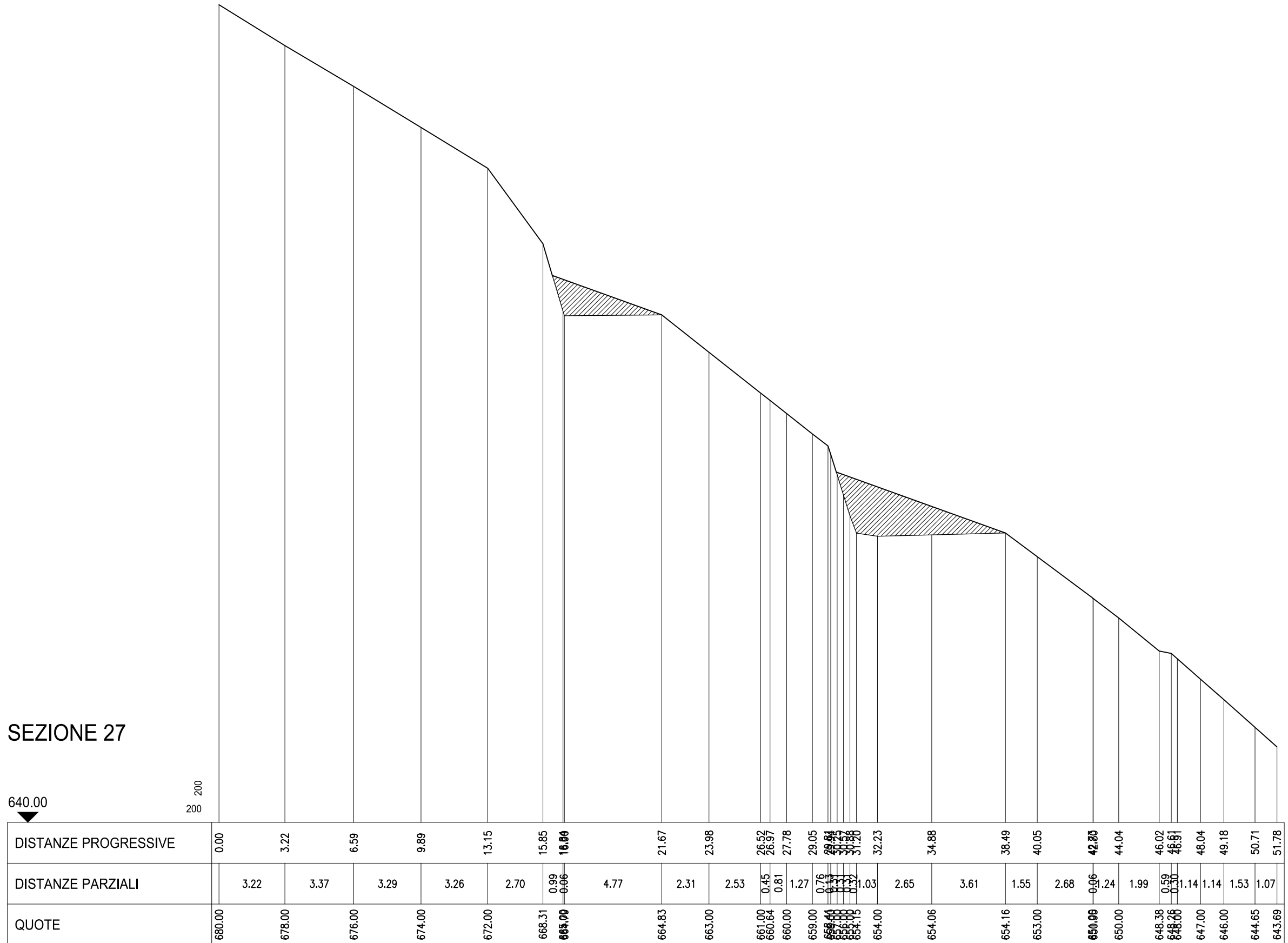


# SEZIONE 27

## SEZIONE 27

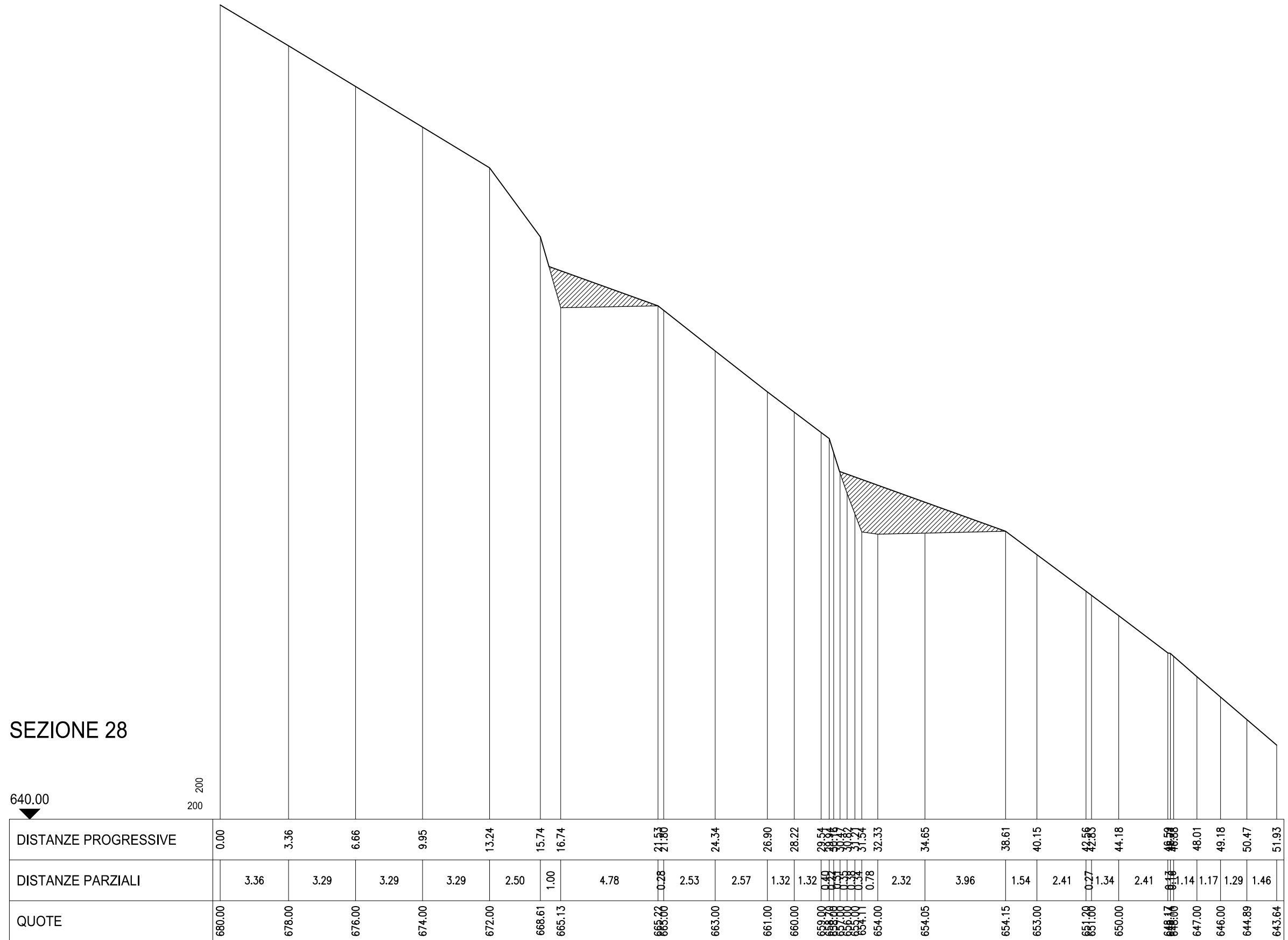
640.00  
▼

200  
200

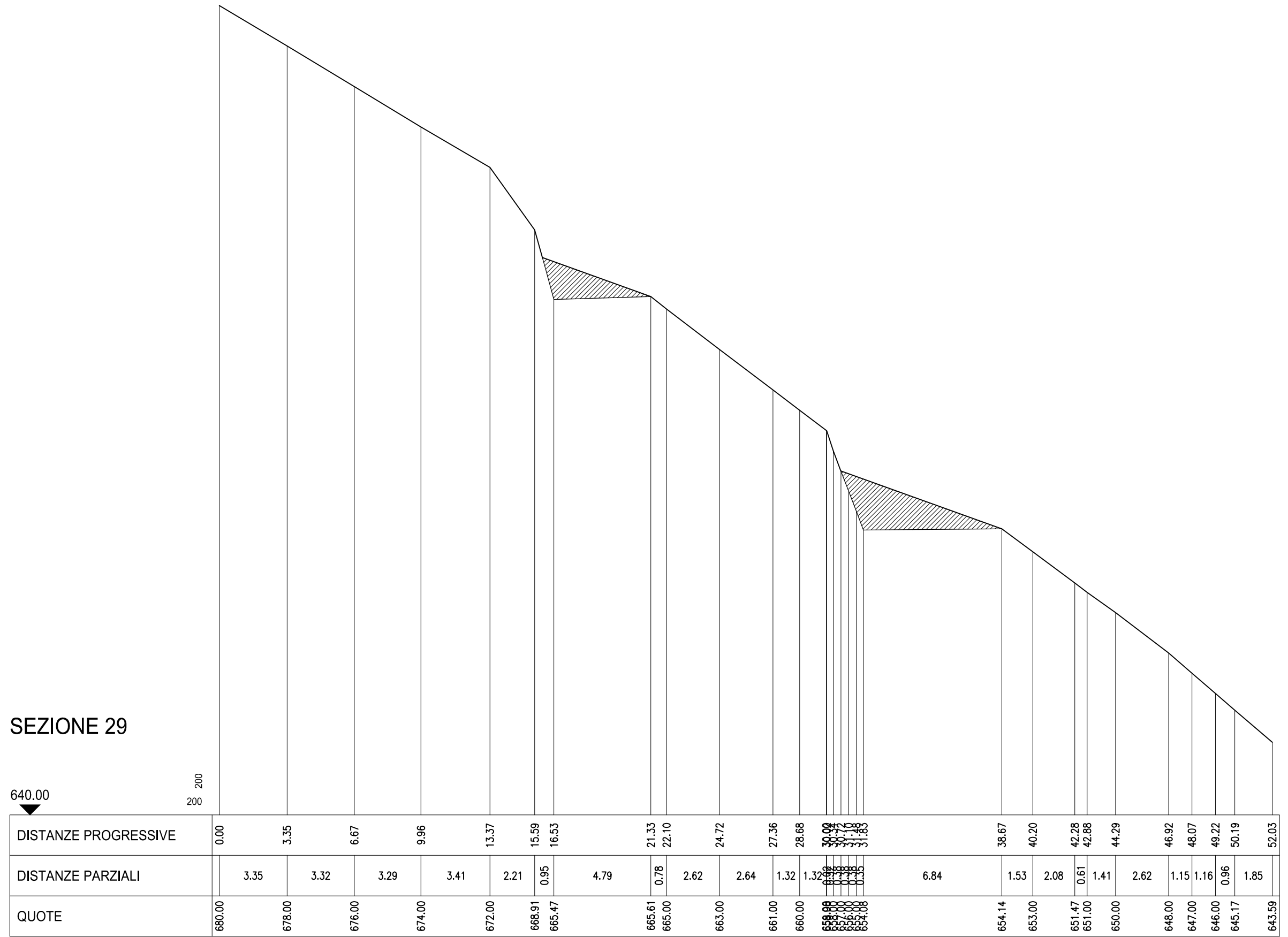


# SEZIONE 28

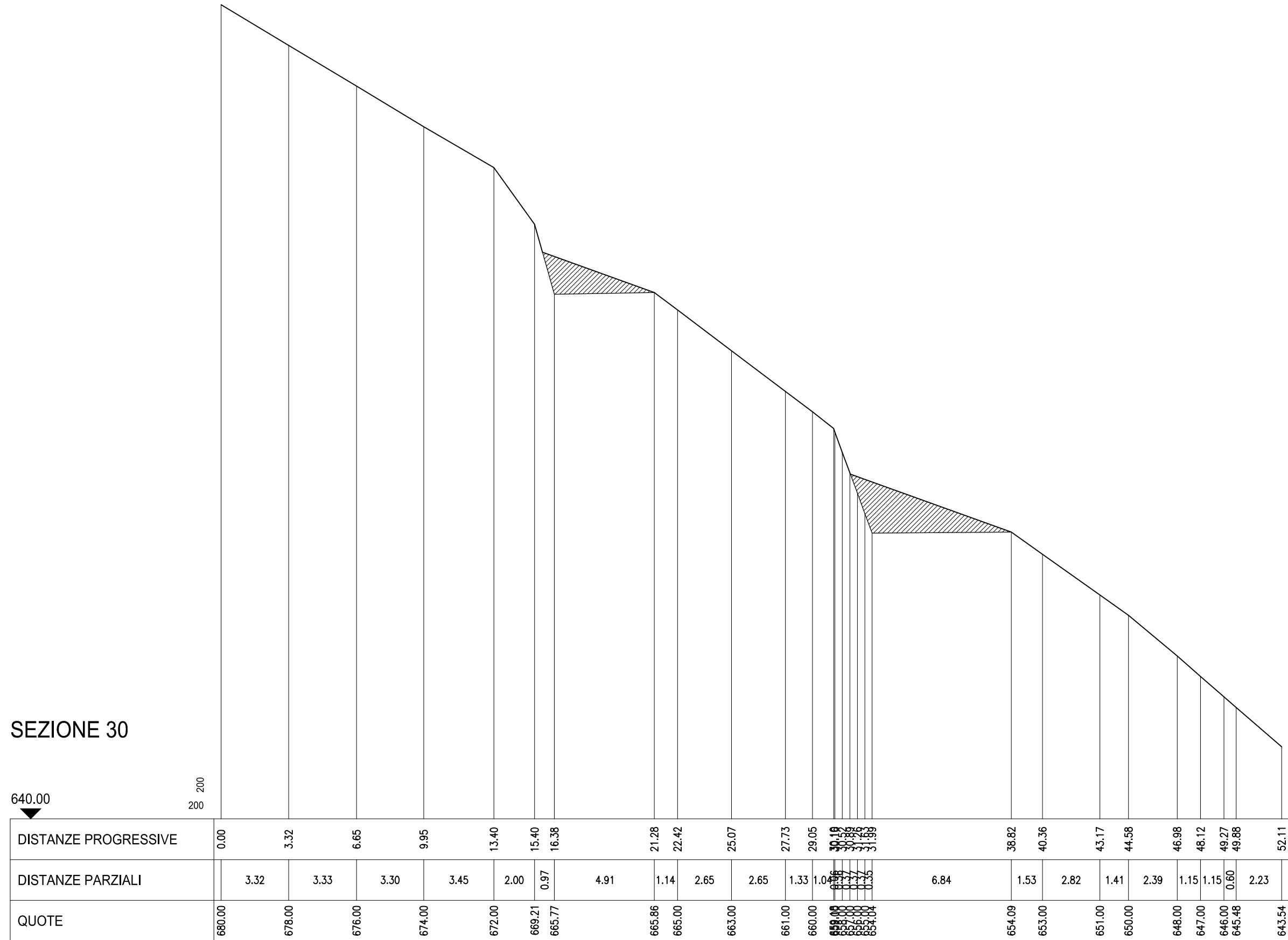
## SEZIONE 28



# SEZIONE 29



# SEZIONE 30



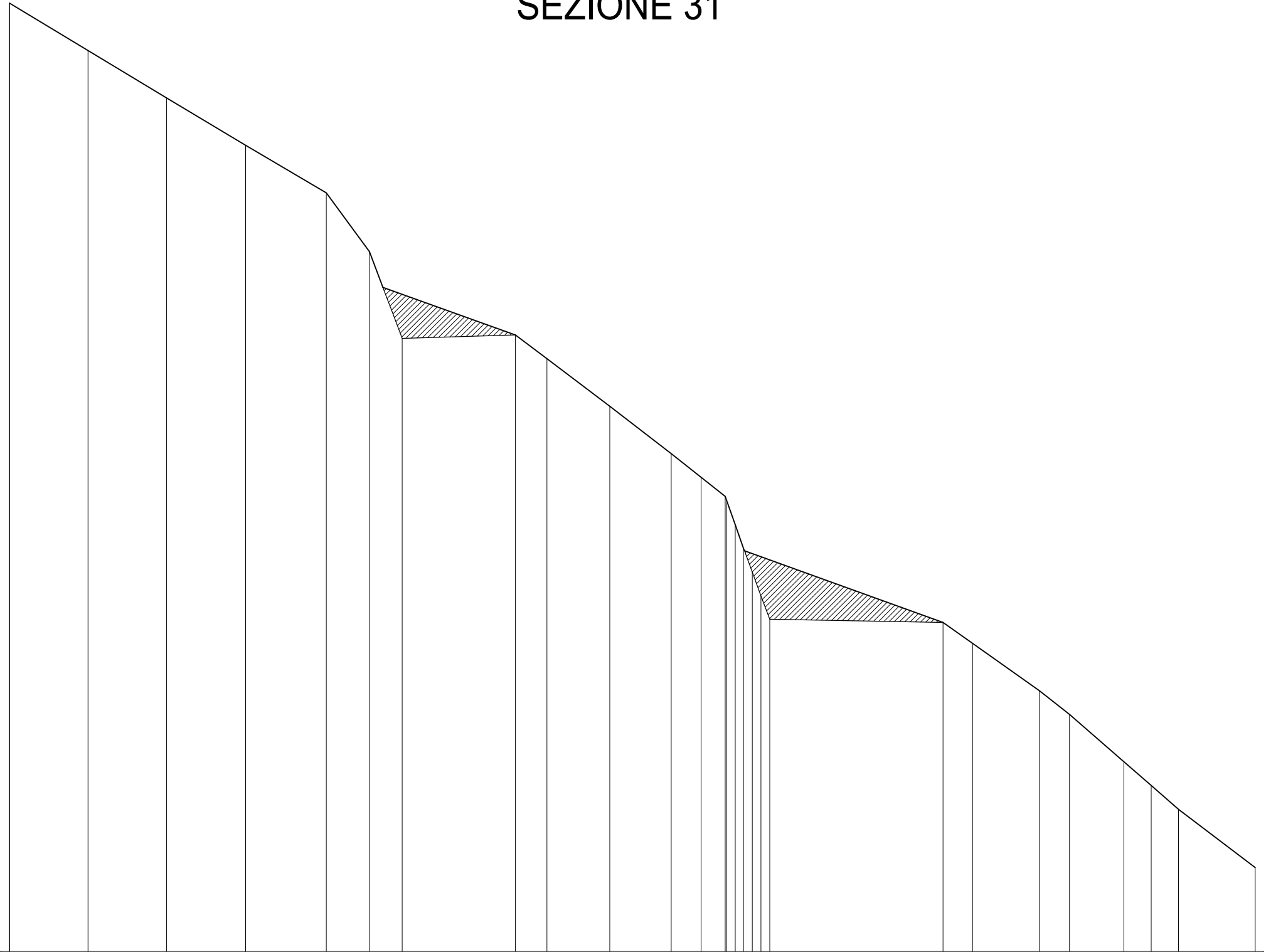
# SEZIONE 31

## SEZIONE 31

640.00

200  
200

DISTANZE PROGRESSIVE	0.00	3.30	6.62	9.95	13.36	15.18	16.56		21.33	22.66	25.31	27.90	29.16	30.28	30.75	31.32	32.05		39.37	40.61	43.43	44.70	46.99	48.14	49.29	52.53
DISTANZE PARZIALI		3.30	3.32	3.33	0.00	3.40	1.82	1.38	4.78	1.33	2.65	2.59	1.26	1.02	0.47	0.47	0.73	7.31	1.24	2.82	1.27	2.30	1.15	1.15	3.24	
QUOTE	680.00	678.00	676.00	674.00	672.00	669.51	665.86		666.00	665.00	663.00	661.00	660.00	658.00	657.00	656.00	654.01		653.88	653.00	651.00	650.00	648.00	647.00	646.00	643.54



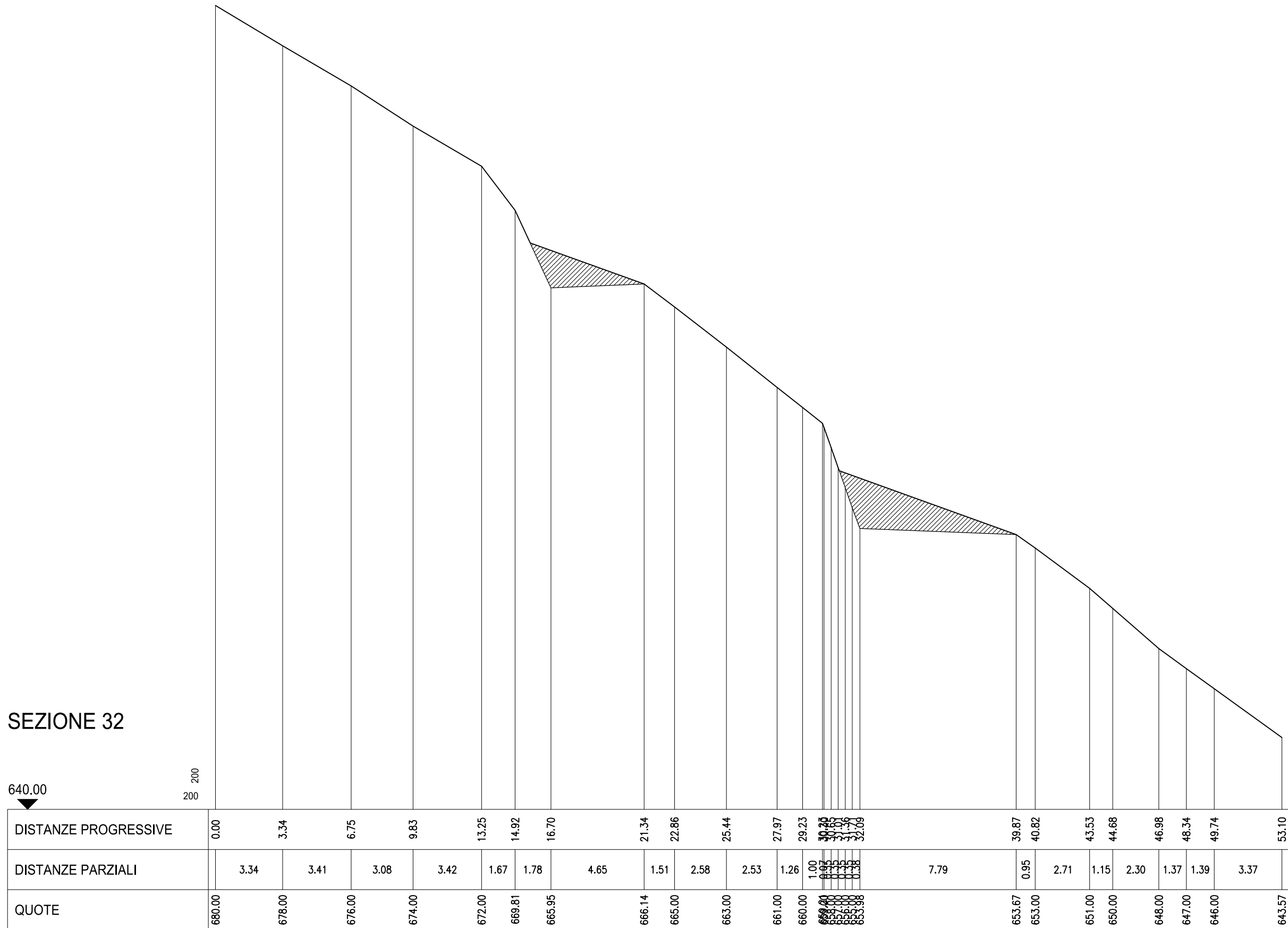


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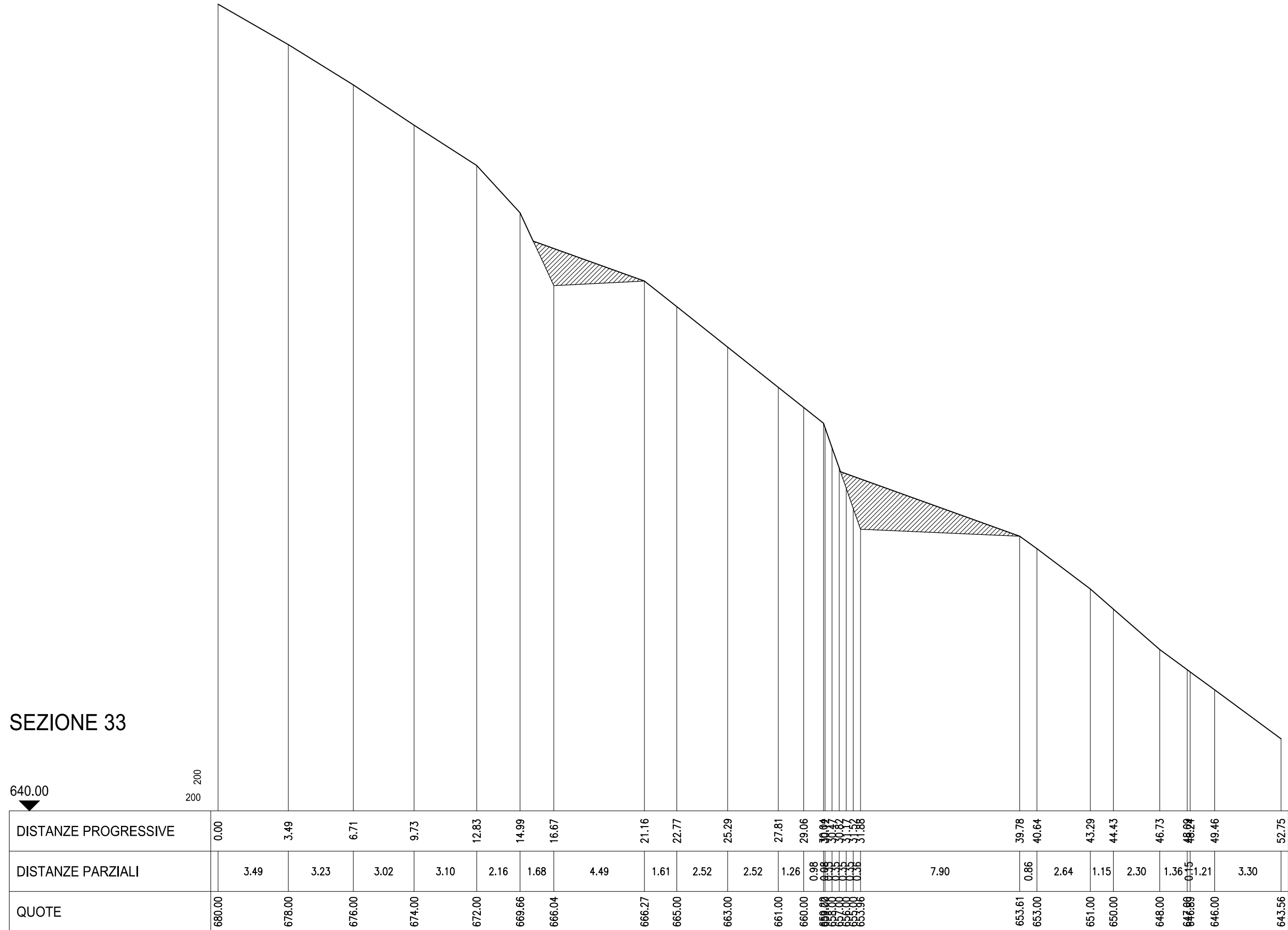
## SEZIONE 32

640.00

200



# SEZIONE 33

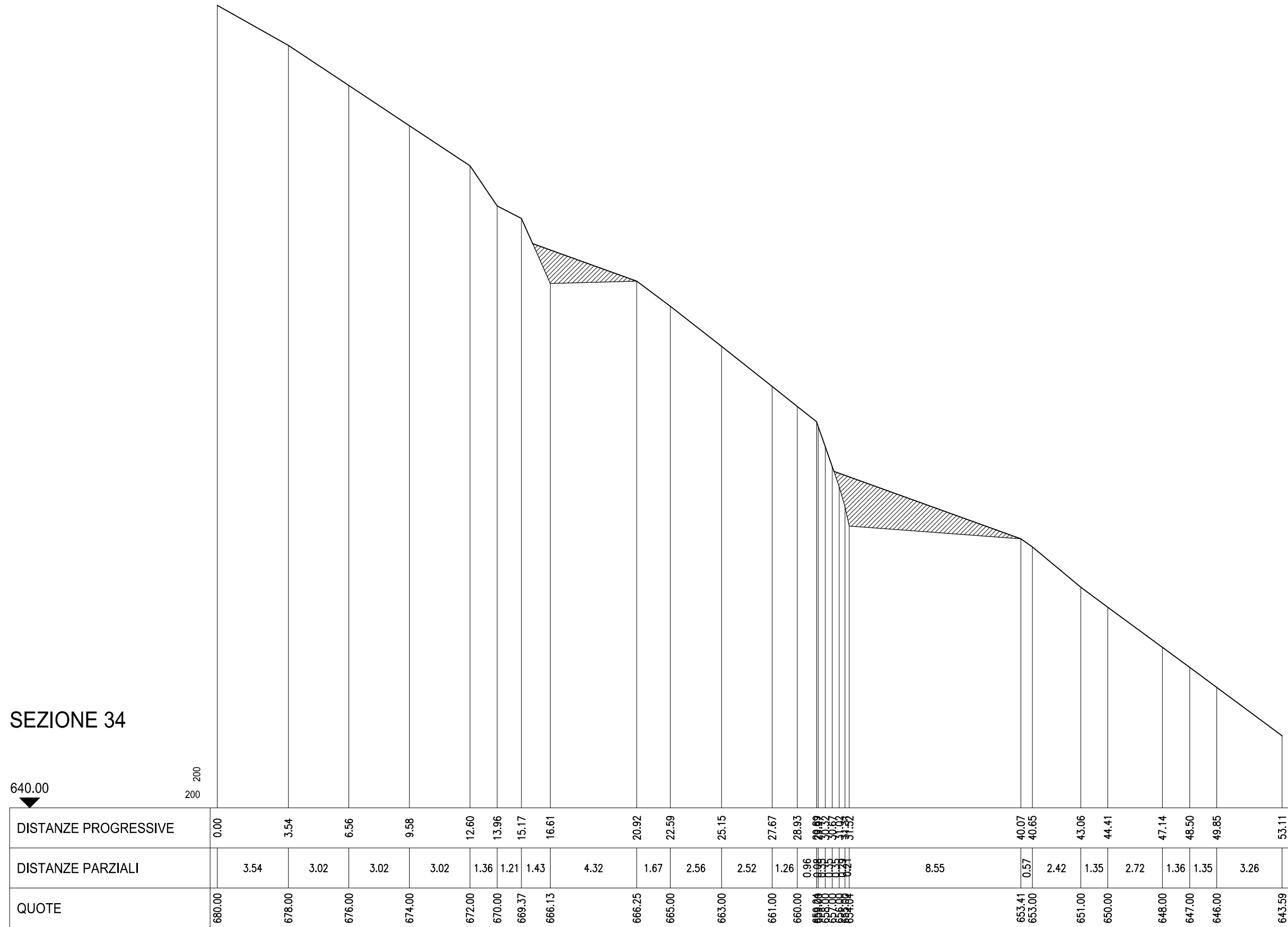


# SEZIONE 34

## SEZIONE 34

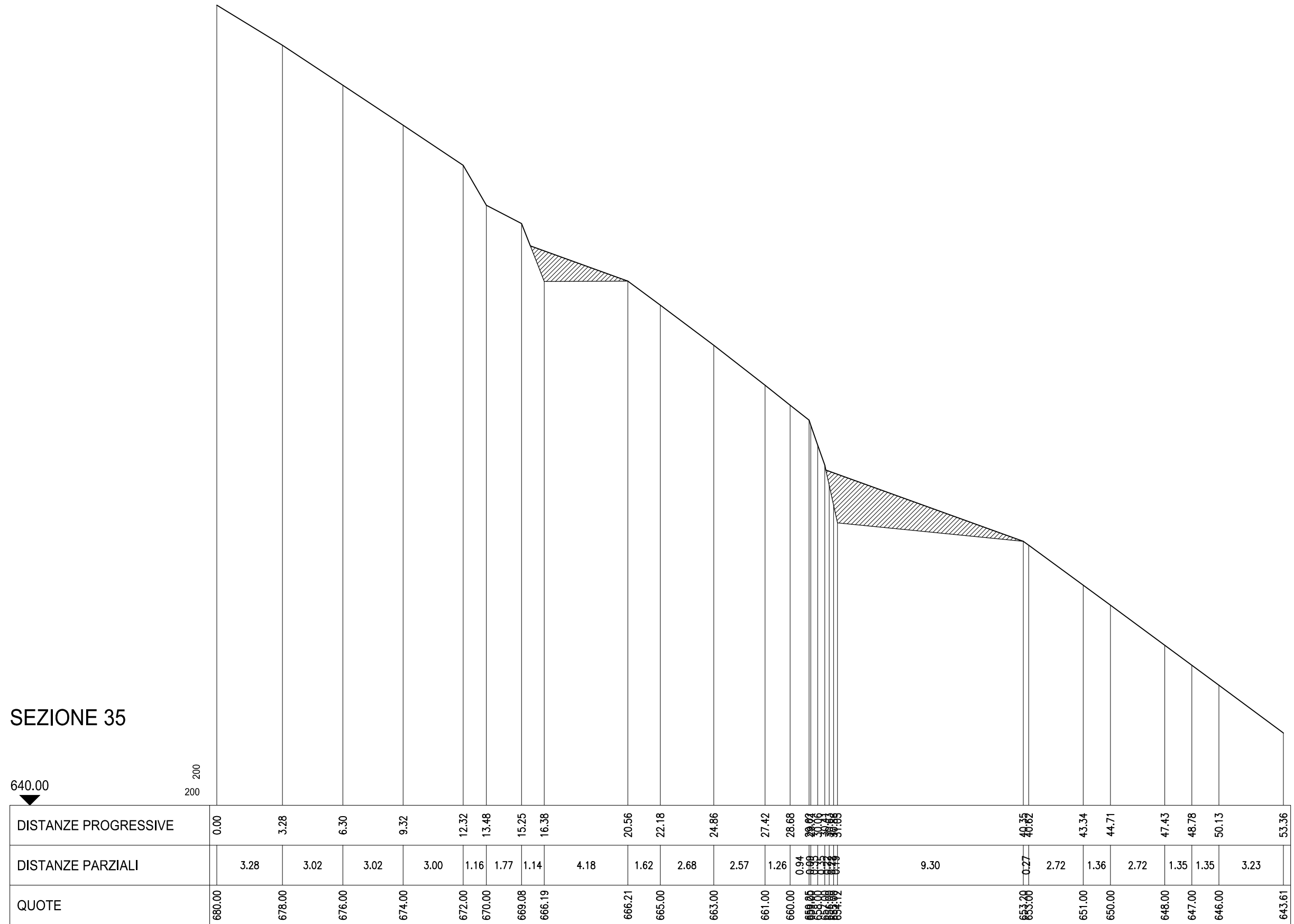
640.00  
▼

200  
200



# SEZIONE 35

## SEZIONE 35

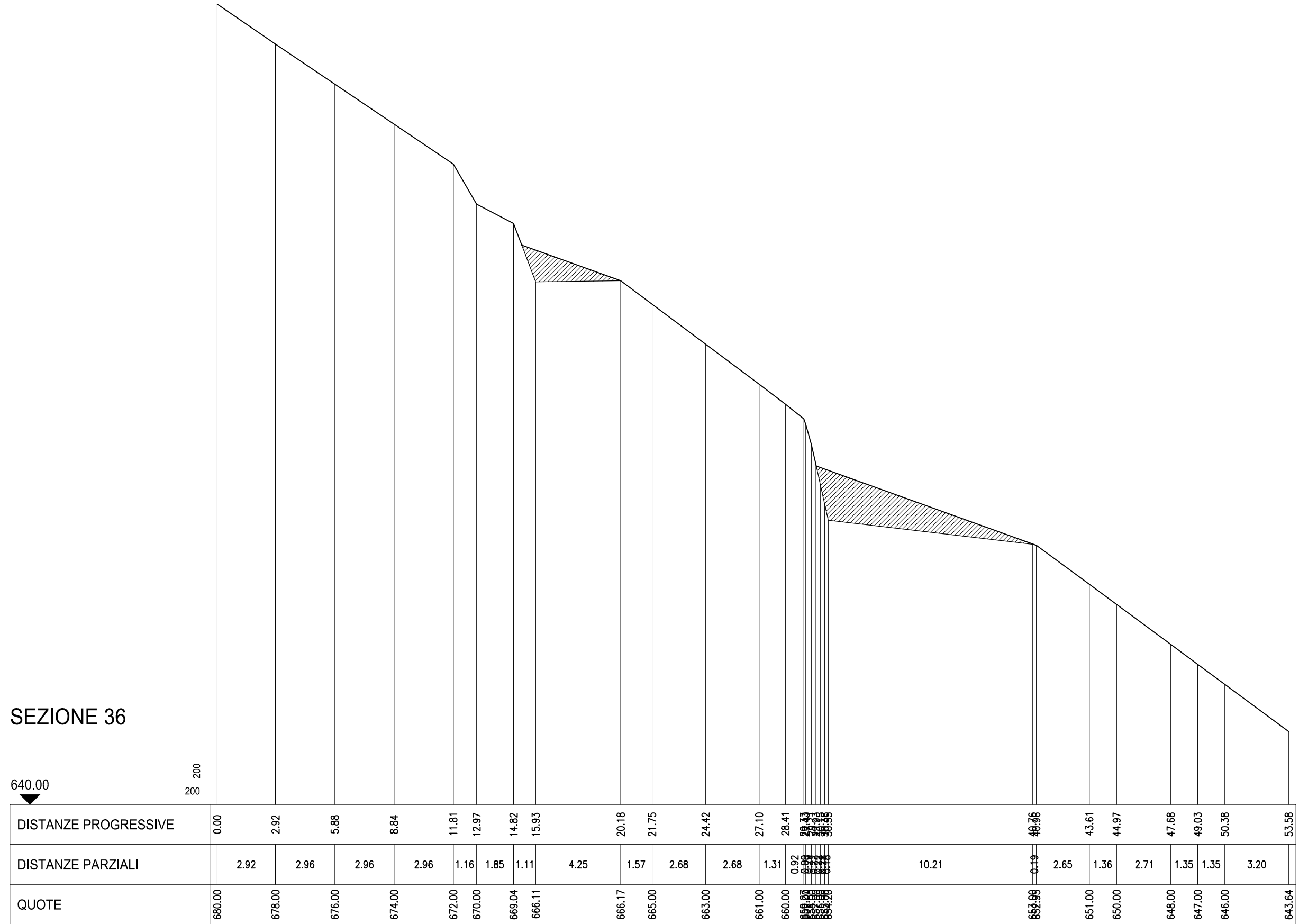


# SEZIONE 36

## SEZIONE 36

640.00  
▼

200  
200



# SEZIONE 37

## SEZIONE 37

640.00



200

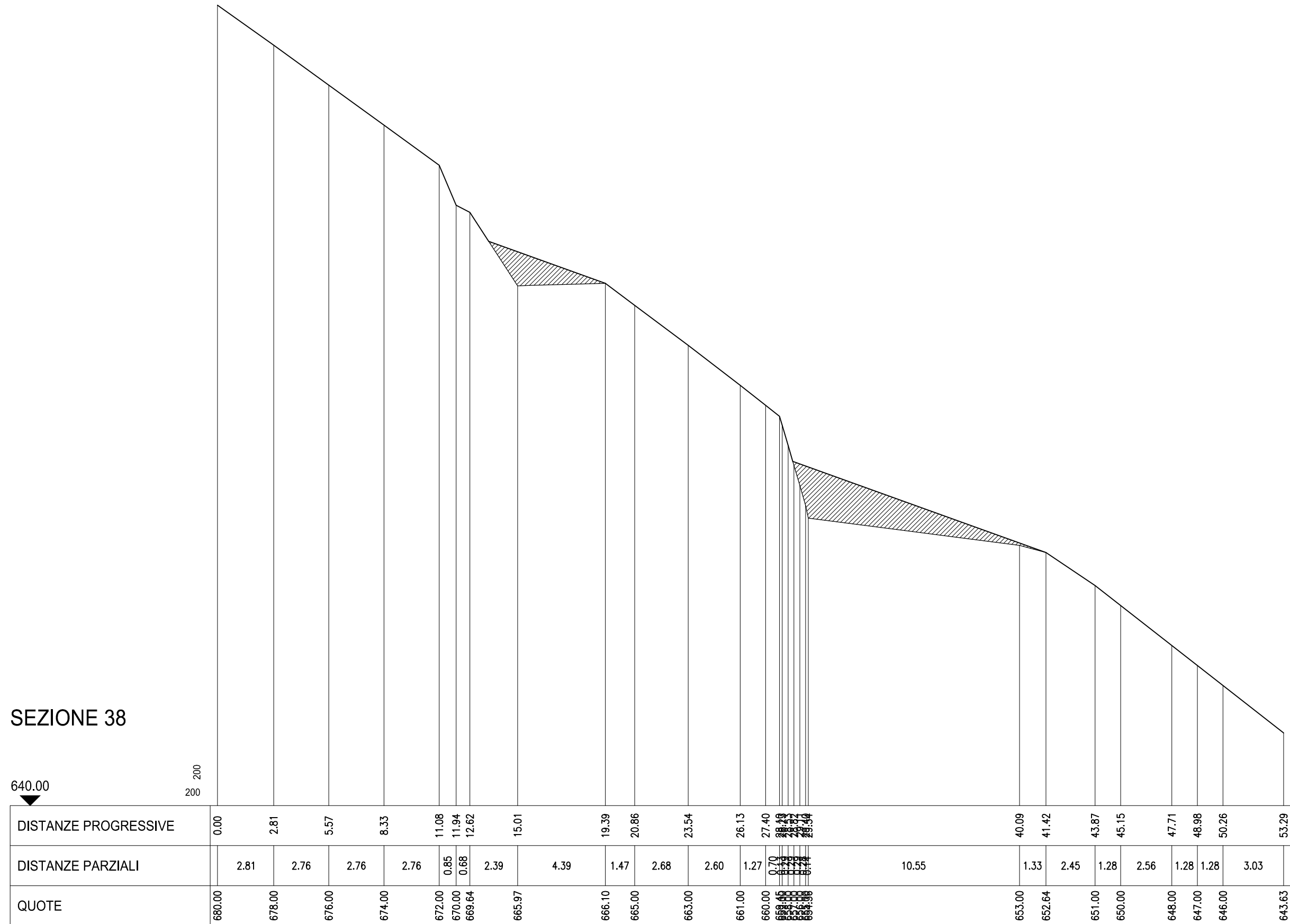
200

DISTANZE PROGRESSIVE	0.00	2.85	5.83	8.55	11.42	12.41	13.68	15.43		19.74	21.26	23.94	26.61	27.94	28.88	29.19	29.89	30.00		40.38	41.52	43.82	45.18	47.88	49.23	50.59	53.75
DISTANZE PARZIALI		2.85	2.98	2.72	2.87	0.99	1.27	1.75	4.32	1.52	2.68	2.68	1.32	0.85	0.31	0.29	0.70	0.11	10.38	1.13	2.31	1.35	2.70	1.35	1.35	3.17	
QUOTE	680.00	678.00	676.00	674.00	672.00	670.00	669.34	666.04		666.13	665.00	663.00	661.00	660.00	658.00	657.00	656.00	654.00		653.00	652.70	651.00	650.00	648.00	647.00	646.00	643.66

# SEZIONE 38

## SEZIONE 38

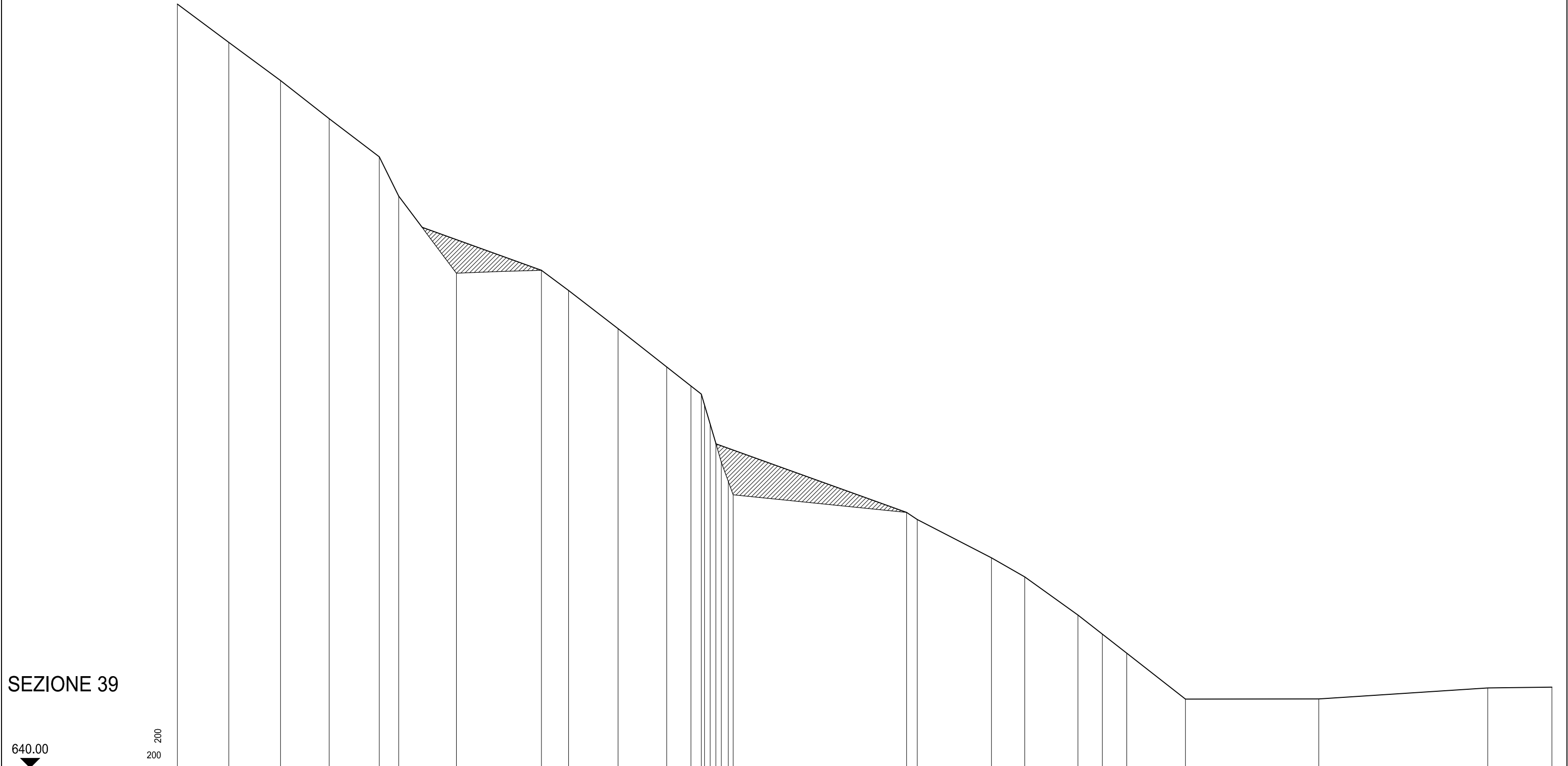
640.00



200

200

# SEZIONE 39

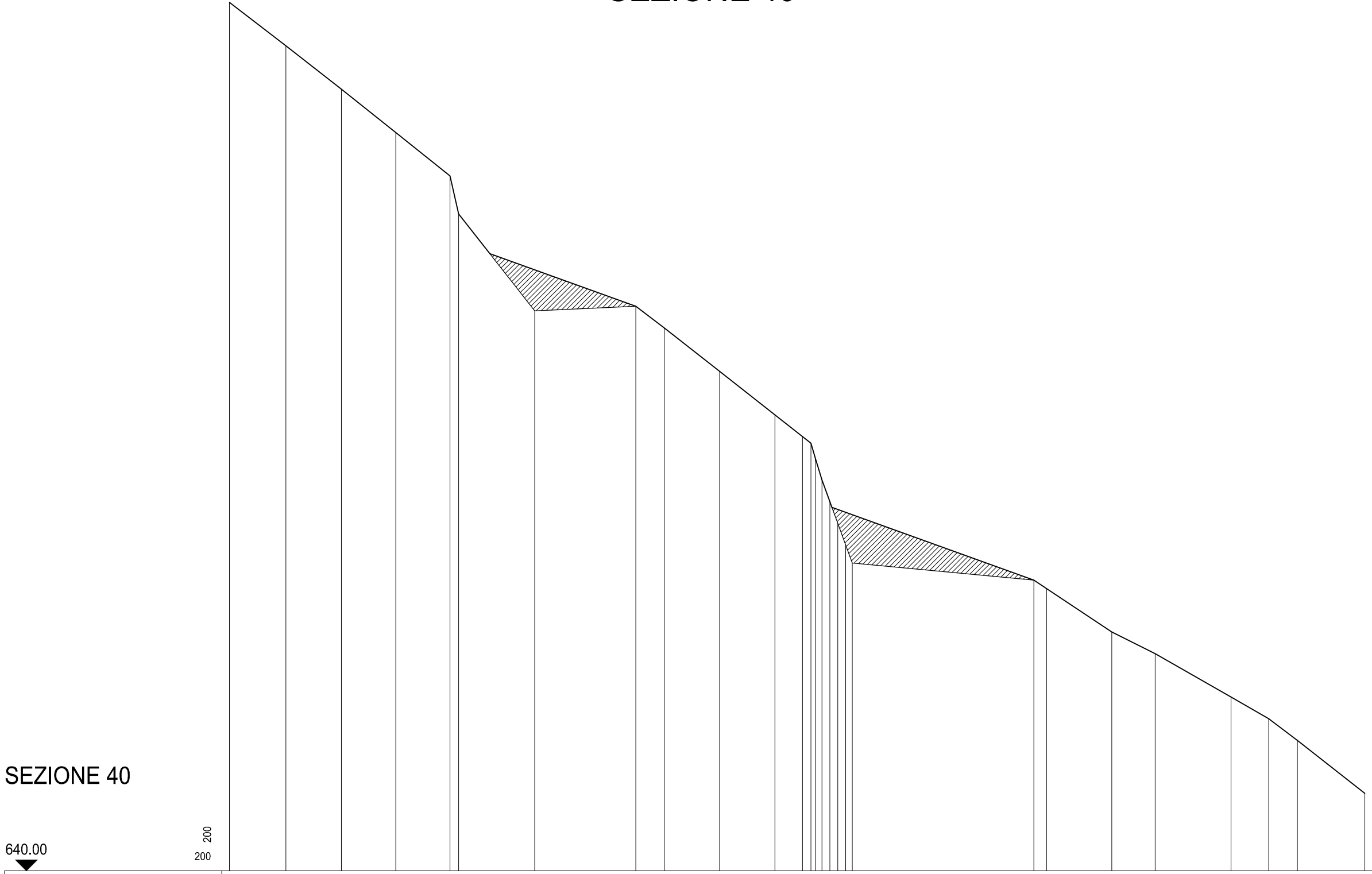


## SEZIONE 39

DISTANZE PROGRESSIVE	0.00	2.69	5.40	7.95	10.57	11.59	14.61	19.07	20.48	23.08	25.63	26.90	27.64	27.90	28.39	28.85	29.11	38.19	38.75	42.64	44.38	47.17	48.45	49.73	52.79	59.79	68.63	72.00
DISTANZE PARZIALI		2.69	2.71	2.54	2.63	1.01	3.02	4.46	1.42	2.60	2.54	1.27	0.54	0.26	0.29	0.28	0.26	9.08	0.56	3.89	1.74	2.79	1.28	1.28	3.07	6.99	8.85	3.36
QUOTE	680.00	678.00	676.00	674.00	672.00	669.95	665.90	666.06	665.00	663.00	661.00	660.00	659.86	659.00	658.00	656.00	654.30	653.38	653.00	651.00	650.00	648.00	647.00	646.00	643.60	643.61	644.18	644.23



# SEZIONE 40



## SEZIONE 40

640.00

200

DISTANZE PROGRESSIVE	0.00	2.60	5.15	7.66	10.16	12.67	15.18	17.69	20.20	22.71	25.22	27.73	30.24	32.75	35.26	37.77	40.28	42.79	45.30	47.81	50.32	52.83	55.34	57.85	60.36	62.87	65.38	67.89	70.40	72.91	75.42	77.93	80.44	82.95	85.46	87.97	90.48	92.99	95.50	98.01	100.52	103.03	105.54	108.05	110.56	113.07	115.58	118.09	120.60	123.11	125.62	128.13	130.64	133.15	135.66	138.17	140.68	143.19	145.70	148.21	150.72	153.23	155.74	158.25	160.76	163.27	165.78	168.29	170.80	173.31	175.82	178.33	180.84	183.35	185.86	188.37	190.88	193.39	195.90	198.41	200.92	203.43	205.94	208.45	210.96	213.47	215.98	218.49	221.00	223.51	226.02	228.53	231.04	233.55	236.06	238.57	241.08	243.59	246.10	248.61	251.12	253.63	256.14	258.65	261.16	263.67	266.18	268.69	271.20	273.71	276.22	278.73	281.24	283.75	286.26	288.77	291.28	293.79	296.30	298.81	301.32	303.83	306.34	308.85	311.36	313.87	316.38	318.89	321.40	323.91	326.42	328.93	331.44	333.95	336.46	338.97	341.48	343.99	346.50	349.01	351.52	354.03	356.54	359.05	361.56	364.07	366.58	369.09	371.60	374.11	376.62	379.13	381.64	384.15	386.66	389.17	391.68	394.19	396.70	399.21	401.72	404.23	406.74	409.25	411.76	414.27	416.78	419.29	421.80	424.31	426.82	429.33	431.84	434.35	436.86	439.37	441.88	444.39	446.90	449.41	451.92	454.43	456.94	459.45	461.96	464.47	466.98	469.49	472.00	474.51	477.02	479.53	482.04	484.55	487.06	489.57	492.08	494.59	497.10	499.61	502.12	504.63	507.14	509.65	512.16	514.67	517.18	519.69	522.20	524.71	527.22	529.73	532.24	534.75	537.26	539.77	542.28	544.79	547.30	549.81	552.32	554.83	557.34	559.85	562.36	564.87	567.38	569.89	572.40	574.91	577.42	579.93	582.44	584.95	587.46	589.97	592.48	594.99	597.50	600.01	602.52	605.03	607.54	610.05	612.56	615.07	617.58	620.09	622.60	625.11	627.62	630.13	632.64	635.15	637.66	640.17	642.68	645.19	647.70	650.21	652.72	655.23	657.74	660.25	662.76	665.27	667.78	670.29	672.80	675.31	677.82	680.33	682.84	685.35	687.86	690.37	692.88	695.39	697.90	700.41	702.92	705.43	707.94	710.45	712.96	715.47	717.98	720.49	723.00	725.51	728.02	730.53	733.04	735.55	738.06	740.57	743.08	745.59	748.10	750.61	753.12	755.63	758.14	760.65	763.16	765.67	768.18	770.69	773.20	775.71	778.22	780.73	783.24	785.75	788.26	790.77	793.28	795.79	798.30	800.81	803.32	805.83	808.34	810.85	813.36	815.87	818.38	820.89	823.40	825.91	828.42	830.93	833.44	835.95	838.46	840.97	843.48	845.99	848.50	851.01	853.52	856.03	858.54	861.05	863.56	866.07	868.58	871.09	873.60	876.11	878.62	881.13	883.64	886.15	888.66	891.17	893.68	896.19	898.70	901.21	903.72	906.23	908.74	911.25	913.76	916.27	918.78	921.29	923.80	926.31	928.82	931.33	933.84	936.35	938.86	941.37	943.88	946.39	948.90	951.41	953.92	956.43	958.94	961.45	963.96	966.47	968.98	971.49	974.00	976.51	979.02	981.53	984.04	986.55	989.06	991.57	994.08	996.59	999.10	1001.61	1004.12	1006.63	1009.14	1011.65	1014.16	1016.67	1019.18	1021.69	1024.20	1026.71	1029.22	1031.73	1034.24	1036.75	1039.26	1041.77	1044.28	1046.79	1049.30	1051.81	1054.32	1056.83	1059.34	1061.85	1064.36	1066.87	1069.38	1071.89	1074.40	1076.91	1079.42	1081.93	1084.44	1086.95	1089.46	1091.97	1094.48	1096.99	1099.50	1102.01	1104.52	1107.03	1109.54	1112.05	1114.56	1117.07	1119.58	1122.09	1124.60	1127.11	1129.62	1132.13	1134.64	1137.15	1139.66	1142.17	1144.68	1147.19	1149.70	1152.21	1154.72	1157.23	1159.74	1162.25	1164.76	1167.27	1169.78	1172.29	1174.80	1177.31	1179.82	1182.33	1184.84	1187.35	1189.86	1192.37	1194.88	1197.39	1199.90	1202.41	1204.92	1207.43	1209.94	1212.45	1214.96	1217.47	1219.98	1222.49	1225.00	1227.51	1230.02	1232.53	1235.04	1237.55	1240.06	1242.57	1245.08	1247.59	1250.10	1252.61	1255.12	1257.63	1260.14	1262.65	1265.16	1267.67	1270.18	1272.69	1275.20	1277.71	1280.22	1282.73	1285.24	1287.75	1290.26	1292.77	1295.28	1297.79	1300.30	1302.81	1305.32	1307.83	1310.34	1312.85	1315.36	1317.87	1320.38	1322.89	1325.40	1327.91	1330.42	1332.93	1335.44	1337.95	1340.46	1342.97	1345.48	1347.99	1350.50	1353.01	1355.52	1358.03	1360.54	1363.05	1365.56	1368.07	1370.58	1373.09	1375.60	1378.11	1380.62	1383.13	1385.64	1388.15	1390.66	1393.17	1395.68	1398.19	1400.70	1403.21	1405.72	1408.23	1410.74	1413.25	1415.76	1418.27	1420.78	1423.29	1425.80	1428.31	1430.82	1433.33	1435.84	1438.35	1440.86	1443.37	1445.88	1448.39	1450.90	1453.41	1455.92	1458.43	1460.94	1463.45	1465.96	1468.47	1470.98	1473.49	1476.00	1478.51	1481.02	1483.53	1486.04	1488.55	1491.06	1493.57	1496.08	1498.59	1501.10	1503.61	1506.12	1508.63	1511.14	1513.65	1516.16	1518.67	1521.18	1523.69	1526.20	1528.71	1531.22	1533.73	1536.24	1538.75	1541.26	1543.77	1546.28	1548.79	1551.30	1553.81	1556.32	1558.83	1561.34	1563.85	1566.36	1568.87	1571.38	1573.89	1576.40	1578.91	1581.42	1583.93	1586.44	1588.95	1591.46	1593.97	1596.48	1598.99	1601.50	1604.01	1606.52	1609.03	1611.54	1614.05	1616.56	1619.07	1621.58	1624.09	1626.60	1629.11	1631.62	1634.13	1636.64	1639.15	1641.66	1644.17	1646.68	1649.19	1651.70	1654.21	1656.72	1659.23	1661.74	1664.25	1666.76	1669.27	1671.78	1674.29	1676.80	1679.31	1681.82	1684.33	1686.84	1689.35	1691.86	1694.37	1696.88	1699.39	1701.90	1704.41	1706.92	1709.43	1711.94	1714.45	1716.96	1719.47	1721.98	1724.49	1727.00	1729.51	1732.02	1734.53	1737.04	1739.55	1742.06	1744.57	1747.08	1749.59	1752.10	1754.61	1757.12	1759.63	1762.14	1764.65	1767.16	1769.67	1772.18	1774.69	1777.20	1779.71	1782.22	1784.73	1787.24	1789.75	1792.26	1794.77	1797.28	1799.79	1802.30	1804.81	1807.32	1809.83	1812.34	1814.85	1817.36	1819.87	1822.38	1824.89	1827.40	1829.91	1832.42	1834.93	1837.44	1839.95	1842.46	1844.97	1847.48	1849.99	1852.50	1855.01	1857.52	1860.03	1862.54	1865.05	1867.56	1870.07	1872.58	1875.09	1877.60	1880.11	1882.62	1885.13	1887.64	1890.15	1892.66	1895.17	1897.68	1900.19	1902.70	1905.21	1907.72	1910.23	1912.74	1915.25	1917.76	1920.27	1922.78	1925.29	1927.80	1930.31	1932.82	1935.33	1937.84	1940.35	1942.86	1945.37	1947.88	1950.39	1952.90	1955.41	1957.92	1960.43	1962.94	1965.45	1967.96	1970.47	1972.98	1975.49	1978.00	1980.51	1983.02	1985.53	1988.04	1990.55	1993.06	1995.57	1998.08	2000.59	2003.10	2005.61	2008.12	2010.63	2013.14	2015.65	2018.16	2020.67	2023.18	2025.69	2028.20	2030.71	2033.22	2035.73	2038.24	2040.75	2043.26	2045.77	2048.28	2050.79	2053.30	2055.81	2058.32	2060.83	2063.34	2065.85	2068.36	2070.87	2073.38	2075.89	2078.40	2080.91	2083.42	2085.93	2088.44	2090.95	2093.46	2095.97	2098.48	2100.99	2103.50	2106.01	2108.52	2111.03	2113.54	2116.05	2118.56	2121.07	2123.58	2126.09	2128.60	2131.11	2133.62	2136.13	2138.64	2141.15	2143.66	2146.17	2148.68	2151.19	2153.70	2156.21	2158.72	2161.23	2163.74	2166.25	2168.76	2171.27	2173.78	2176.29	2178.80	2181.31	2183.82	2186.33	2188.84	2191.35	2193.86	2196.37	2198.88	2201.39	2203.90	2206.41	2208.92	2211.43	2213.94	2216.45	2218.96	2221.47	2223.98	2226.49	2229.00	2231.51	2234.02	2236.53	2239.04	2241.55	2244.06	2246.57	2249.08	2251.59	2254.10	2256.61	2259.12	2261.63	2264.14	2266.65	2269.16	2271.67	2274.18	2276.69	2279.20	2281.71	2284.22	2286.73	2289.24	2291.75	2294.26	2296.77	2299.28	2301.79	2304.30	2306.81	2309.32	2311.83	2314.34	2316.85	2319.36	2321.87	2324.38	2326.89	2329.40	2331.91	2334.42	2336.93	2339.44	2341.95	2344.46	2346.97	2349.48	2351.99	2354.50	2357.01	2359.52	2362.03	2364.54	2367.05	2369.56	2372.07	2374.58	2377.09	2379.60	2382.11	2384.62	2387.13	2389.64	2392.15	2394.66	2397.17	2399.68	2402.19	2404.70	2407.21	2409.72
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