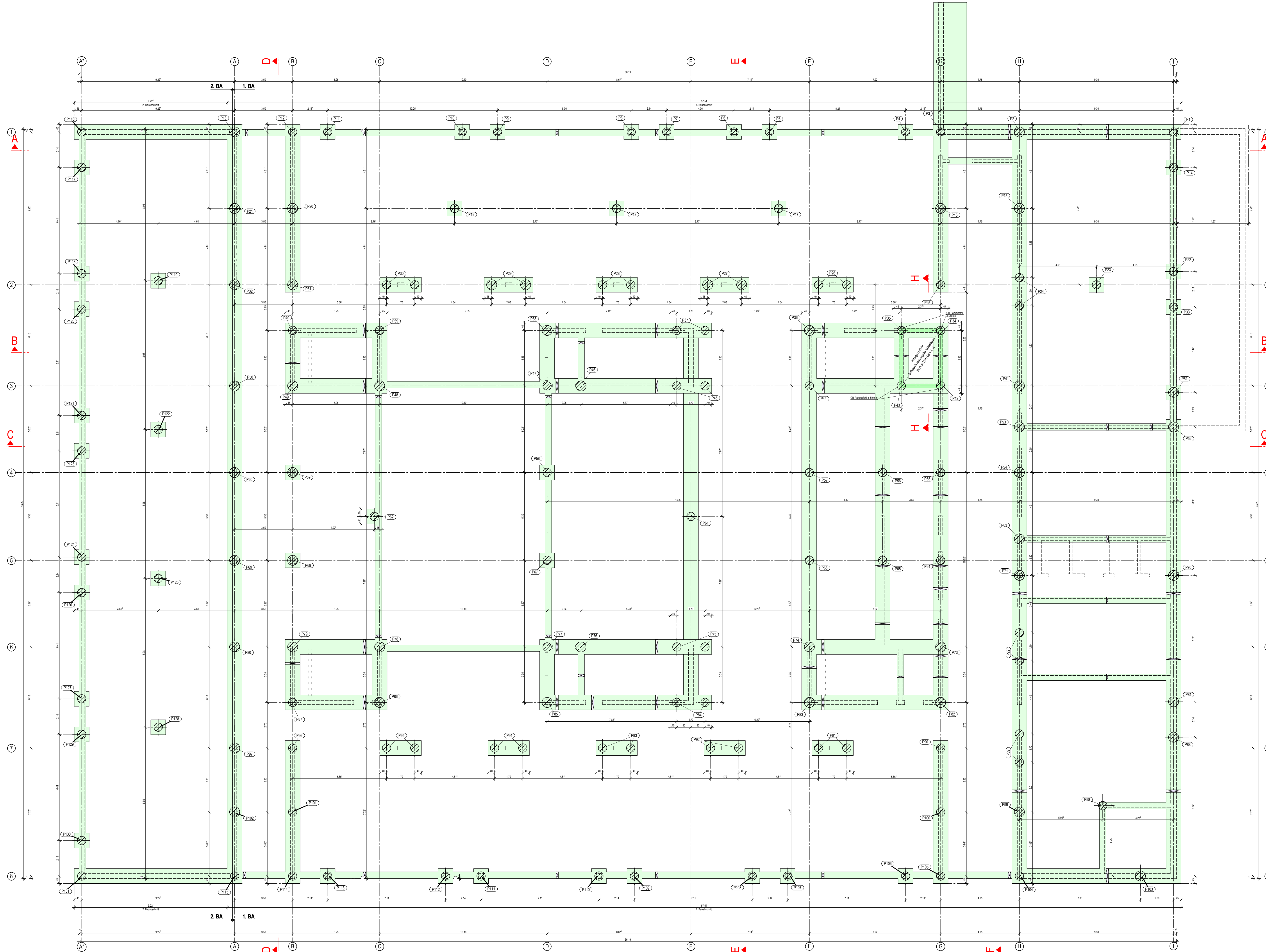


Übersicht Pfahlgründung: M1/100
Schnitte siehe besonderen Plänen



Pos. P1 - P131: Ortbetonrammfähle, System Franki

Pfahl Pos.	Ng,k (kN)	Nq,k (kN)	Nf,k (kN)	Nd (kN)	Vorbemessung
P1	1502.9	209.2	1712.1	2342.7	d = 510 mm
P2	1739.9	316.7	2116.6	2904.9	d = 610 mm
P3	1316.3	272.8	1589.1	2186.2	d = 510 mm
P4	1245.8	279.3	1525.1	2100.8	..
P5	1375.6	335.9	1711.5	2360.9	..
P6	1052.6	241.2	1293.8	1782.8	..
P7	1039.3	236.4	1275.7	1757.7	..
P8	1253.9	302.0	1555.9	2145.8	..
P9	1472.9	343.2	1816.1	2503.2	..
P10	1441.1	346.9	1788.0	2465.8	..
P11	1082.0	243.0	1325.0	1825.2	..
P12	1311.8	282.4	1574.2	2164.5	..
P13	1727.7	280.2	2007.9	2752.7	d = 610 mm
P14	932.4	204.6	1137.0	1565.6	d = 510 mm
P15	2225.4	534.6	2760.0	3806.2	d = 610 mm
P16	1599.3	406.0	2005.3	2768.1	..
P17	656.0	235.4	891.4	1238.7	d = 510 mm
P18	652.5	234.4	887.0	1232.6	..
P19	689.4	244.4	933.8	1297.3	..
P20	1628.5	407.3	2035.8	2809.4	d = 610 mm
P21	1841.3	398.8	2240.1	3084.0	..
P22	1122.9	265.3	1388.2	1913.9	d = 510 mm
P23	672.5	218.1	890.6	1235.0	..
P24	2595.5	698.0	3293.5	4550.9	2x d = 510 mm
P25	1483.0	426.1	1909.1	2641.2	d = 510 mm
P26	2675.3	852.0	3527.3	4889.7	2x d = 510 mm
P27	3063.4	985.2	4048.6	5613.4	2x d = 610 mm
P28	2835.5	895.8	3732.3	5173.0	2x d = 510 mm
P29	3155.1	1035.9	4191.0	5813.2	2x d = 610 mm
P30	2825.6	924.9	3750.5	5201.9	2x d = 510 mm
P31	1578.4	449.6	2028.0	2805.2	d = 610 mm
P32	1894.2	476.7	2370.9	3272.2	..
P33	1217.5	263.8	1481.3	2039.3	d = 510 mm
P34	967.0	193.9	1160.9	1596.3	..
P35	1256.7	275.5	1532.2	2109.8	..
P36	1671.3	406.1	2077.4	2885.4	d = 610 mm
P37	2912.2	664.9	3577.1	4938.8	2x d = 510 mm
P38	1859.2	432.1	2291.3	3158.1	d = 610 mm
P39	1596.7	400.2	1996.9	2755.8	d = 510 mm
P40	1348.4	329.5	1677.9	2314.6	d = 510 mm
P41	2302.4	646.3	2948.7	4077.4	d = 610 mm
P42	944.2	217.8	1162.0	1601.4	d = 510 mm
P43	1142.8	282.1	1404.9	1935.9	..
P44	1466.0	355.2	1821.2	2511.9	..
P45	3079.7	789.2	3868.9	5341.4	2x d = 510 mm
P46	1794.9	431.1	2226.0	3069.8	d = 610 mm
P47	1418.6	319.9	1738.5	2395.0	d = 510 mm
P48	2367.6	531.0	2898.6	3992.8	d = 610 mm
P49	1784.9	468.2	2253.1	3111.9	..
P50	2312.6	611.3	2923.9	4039.0	..
P51	1790.3	379.5	2169.8	2986.2	..
P52	2344.6	504.8	2849.4	3922.4	..
P53	2085.7	592.3	2678.0	3717.5	..
P54	2040.5	576.7	2617.2	3619.7	..
P55	897.5	255.0	1152.5	1594.1	d = 510 mm
P56	615.4	247.1	862.5	1201.4	..
P57	680.7	258.2	938.9	1306.2	..
P58	1401.9	352.6	1754.5	2421.5	..
P59	1843.5	649.0	2492.5	3422.2	d = 610 mm
P60	1748.0	509.4	2257.4	3123.9	..
P61	1294.6	460.1	1754.7	2437.9	d = 510 mm
P62	545.7	151.0	696.7	963.2	..
P63	2082.4	582.3	2664.7	3684.7	d = 610 mm
P64	1102.7	313.2	1415.9	1958.4	d = 510 mm
P65	753.1	283.5	1036.6	1441.9	..
P66	757.5	277.5	1035.0	1438.6	..
P67	1406.9	354.6	1761.5	2431.2	..
P68	1844.5	649.5	2494.0	3464.3	d = 610 mm
P69	1745.1	507.3	2252.4	3116.8	..
P70	2186.0	488.2	2674.2	3683.4	..
P71	2145.2	597.0	2742.2	3792.0	..
P72	2371.6	656.2	3027.8	4186.0	2x d = 510 mm
P73	1577.0	397.2	1974.2	2724.8	d = 510 mm
P74	1825.8	445.1	2270.9	3132.5	d = 610 mm
P75	3146.9	810.0	3956.9	5463.3	2x d = 510 mm
P76	1836.1	443.1	2279.2	3143.4	d = 610 mm
P77	1453.6	330.0	1783.6	2457.4	d = 510 mm
P78	2402.1	540.6	2942.7	4053.7	d = 610 mm
P79	1799.9	472.2	2272.1	3138.2	..
P80	326.5	615.8	2942.3	4064.5	..
P81	2172.6	500.3	2672.9	3683.5	..
P82	1832.1	439.8	2271.9	3133.0	d = 610 mm
P83	2088.5	509.8	2598.3	3584.2	..
P84	2915.6	665.6	3581.2	4934.5	2x d = 510 mm
P85	1871.6	436.6	2308.2	3181.6	d = 610 mm
P86	1604.7	402.9	2007.6	2770.7	..
P87	1347.4	332.1	1679.5	2317.1	d = 510 mm
P88	2186.6	515.9	2702.6	3725.9	d = 610 mm
P89	2411.9	638.8	3050.7	4214.3	2x d = 510 mm
P90	1347.8	395.0	1742.8	2412.0	d = 510 mm
P91	2400.2	778.9	3179.1	4408.6	2x d = 510 mm
P92	2732.4	892.3	3624.7	5027.2	..
P93	2481.2	801.0	3282.2	4551.1	..
P94	2848.9	948.6	3797.5	5268.9	..
P95	2626.0	871.2	3497.2	4851.9	..
P96	1279.6	365.2	1644.8	2275.3	d = 510 mm
P97	1732.4	438.7	2171.1	2996.8	d = 610 mm
P98	627.6	326.8	954.4	1337.5	d = 510 mm
P99	1859.3	444.0	2303.3	3176.1	d = 610 mm
P100	1284.3	328.7	1613.0	2226.9	d = 510 mm
P101	1269.3	309.5	1578.8	2177.8	..
P102	1671.8	353.9	2025.7	2787.8	d = 610 mm
P103	2188.9	538.8	2727.7	3763.2	..
P104	1270.0	222.7	1492.7	2048.6	d = 510 mm
P105	1080.2	214.2	1294.4	1752.6	..
P106	961.9	209.9	1171.8	1613.4	..
P107	1238.3	297.5	1535.8	2118.0	..
P108	1274.5	297.8	1572.3	2167.3	..
P109	1240.8	288.9	1529.7	2108.4	..
P110	1241.9	288.3	1530.2	2109.0	..
P111	1279.1	297.1	1576.2	2172.4	..
P112	1236.6	286.9	1535.5	2117.8	..
P113	910.5	199.3	1109.8	1528.1	..
P114	1094.5	208.2	1302.7	1789.9	..
P115	1594.8	249.5	1844.3	2527.2	..
P116	1482.1	198.6	1680.7	2298.7	..
P117	987.9	204.2	1192.1	1640.0	..
P118	1400.1	337.4	1737.5	2396.4	..
P119	636.9	220.5	857.4	1190.6	..
P120	1389.9	326.9	1716.8	2366.7	..
P121	1334.1	311.7	1645.8	2268.6	..
P122	598.5	210.8	809.3	1124.2	..
P123	1309.0	307.1	1616.1	2227.8	..
P124	1308.6	306.0	1615.5	2227.0	..
P125	596.2	210.5	806.7	1120.6	..
P126	1334.2	311.7	1645.9	2268.7	..
P127	1391.1	327.1	1718.2	2366.6	..
P128	634.3	220.4	854.7	1186.9	..
P129	1399.7	337.3	1737.0	2395.5	..
P130	988.1	204.2	1192.3	1640.2	..
P131	1486.2	199.9	1686.1	2306.2	..

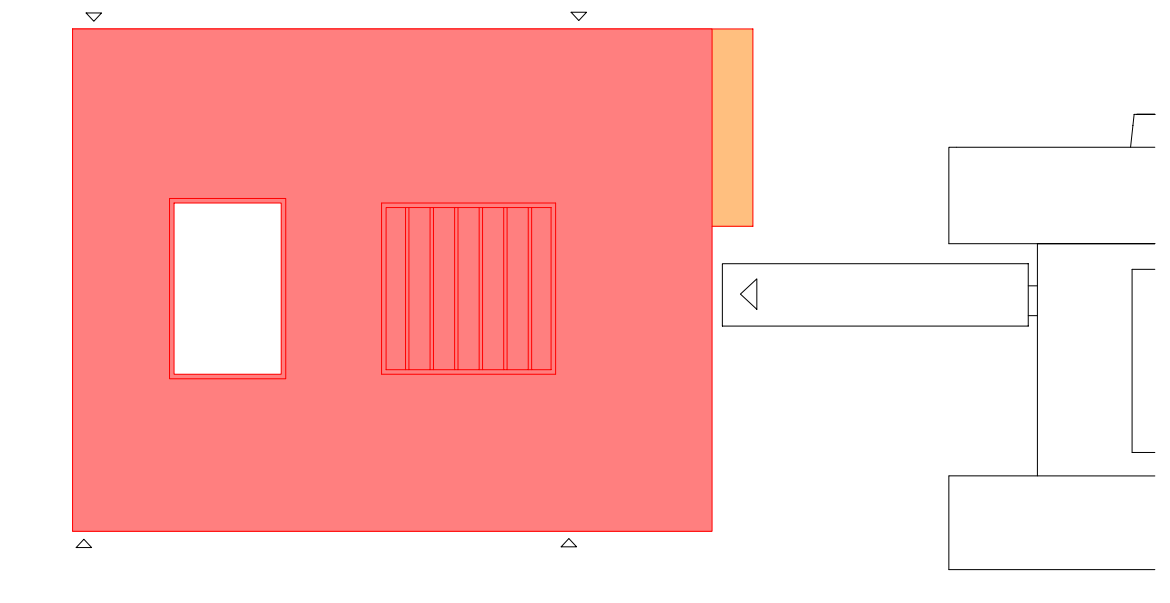
Endgültige Bemessung der Pfähle und statische Nachweise:
erfolgt durch den Pfahlhersteller

BETONGÜTEN Die technischen Erläuterungen zum LV bzgl. Betontechnologie, Betonierabschnitte, Arbeitsfugen, Nachbehandlung des Betons etc. sind genauestens zu beachten!

Bauteil (wenn im Plan nicht abgeschiedelt angegeben)	Überwachungs- klasse	Betongüte	Expositionsklassen	Betondeckung außen innen
Ortbeton-Rammpfähle			nach Herstellerangabe	
Saubertkesselschicht		C 12/15	X0	
Pfahlkopfbalken	2	C30/37	XC2, XF1, XA1, WF	3,5 3,5
Pfahlköpfe	2	C30/37	XC2, XF1, XA1, WF	3,5 3,5
freitragende Bodenplatte	2	C30/37	XC2, WF	2,5 3,5
abges. Bodenplatte Technik	2	C30/37	XC2, XA1, WF wu-Beton	3,5 3,5
Bodenplatte Lichthof	2	C30/37	XC2, XF1, WF	3,5 3,5
Auflagsunterfahrt	2	C30/37	XC2, XA1, WF wu-Beton	3,5 3,5
Außenwände HG, erdberührt	2	C30/37	XC2, WF	3,5 3,0
Außenwände HG - 2. OG	2	C30/37	XC2, WF	3,0 3,0
Umfassungswände Lichthof	2	C35/45	XC4, XD1, XF2, WF	5,5 5,5
Innenwände HG - 2. OG	2	C30/37	XC1, W0	3,0 3,0
Stützen HG - 1. OG	2	C45/55	XC1, W0	3,0 3,0

VORABZUG 24.02.2026

TT.MM.JJJJ XX XX Lorem ipsum
Datum Ind. Gez. Änderungen



EFH = FFB = 459,65m üNN ± 0,00

HEL_00_TWP_GR_PFG_SC_5_100_-V

Projekt_Bauteil_Planer_Planart_Ebene_Inhalt_Lph_Nummer_Index_Status

Projekt	Erweiterung
Bauherr	Helfenstein-Gymnasium Stadt Geislingen

(General) planer	
Leistungsphase	Ausführungsplanung
Planinhalt	Schalplan Übersicht Pfahlgründung

Projekt-Nr.	24834
Datum/Gez.	29.07.2025
Maßstab/Größe	1:100 / A0