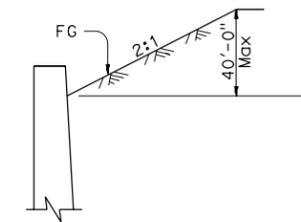


DESIGN H	FOOTING DATA			PILE PATTERN LAYOUT 	LOAD CASE	PILE PATTERN	LIVE LOAD SURCHARGE	MAXIMUM BACKFILL HEIGHT	CONCRETE/STEEL PILES VALUES OF ΣV, ΣH AND H ₉₀ ARE IN kips/ft.											
									SERVICE			STRENGTH			EXTREME I					
	W	C	B						F _p	P ₉₀	Q ₉₀	ΣV	ΣH	H ₉₀	ΣV	ΣH	H ₉₀	ΣV	ΣH	H ₉₀
4	4'-6"	1'-6"	3'-0"		2	I	N/A	40'-0"	1'-7"	15'-0"	15'-0"	4.33	1.78	3.85	5.69	2.85	6.18	6.38	6.44	8.48
6	5'-3"	1'-9"	3'-6"		2	I	N/A	40'-0"	1'-7"	12'-0"	12'-0"	6.36	2.81	4.99	8.42	4.44	7.97	9.11	9.28	10.96
8	6'-0"	2'-0"	4'-0"		2	II	N/A	40'-0"	1'-7"	6'-0"	9'-0"	8.76	4.05	7.64	11.66	6.36	12.26	12.25	12.58	16.76
10	6'-9"	2'-3"	4'-6"		2	II	N/A	40'-0"	1'-7"	5'-6"	8'-3"	11.52	5.52	8.86	15.42	8.61	14.14	15.79	16.29	19.32
12	8'-3"	2'-9"	5'-6"		2	II	N/A	40'-0"	1'-7"	4'-10"	7'-3"	15.85	7.40	10.32	21.28	11.50	16.38	21.16	21.00	22.05
14	9'-0"	3'-0"	6'-0"		2	II	N/A	40'-0"	1'-11"	4'-0"	6'-0"	20.13	9.64	12.83	27.06	14.92	20.30	26.37	26.28	27.28
16	10'-0"	3'-4"	6'-8"		2	II	N/A	40'-0"	1'-11"	3'-4"	5'-0"	24.73	11.91	15.38	33.33	18.38	24.32	31.80	31.51	31.77
18	11'-0"	3'-8"	7'-4"		2	III	N/A	40'-0"	1'-11"	3'-4"	5'-0"	29.85	14.42	23.52	40.29	22.20	37.11	37.74	37.11	48.42
20	11'-3"	3'-9"	7'-6"		2	III	N/A	40'-0"	1'-11"	3'-4"	5'-0"	33.64	16.85	24.89	45.45	25.91	39.20	42.34	42.32	51.41
22	12'-6"	4'-2"	8'-4"		2	III	N/A	40'-0"	2'-0"	3'-0"	4'-6"	40.48	20.03	28.54	54.71	30.73	44.66	49.48	49.20	57.51
24	13'-6"	4'-6"	9'-0"		2	IV	N/A	34'-0"	2'-6"	3'-0"	3'-0"	48.36	23.96	32.53	65.34	36.70	51.00	58.12	57.43	66.24
26	15'-6"	5'-2"	10'-4"		2	V	N/A	30'-0"	2'-8"	3'-0"	3'-0"	59.07	28.24	38.79	79.86	43.18	61.58	69.31	66.44	81.52
28	17'-0"	5'-8"	11'-4"		2	VI	N/A	27'-0"	2'-11"	3'-0"	3'-0"	69.36	32.73	49.08	93.71	49.98	77.55	80.13	75.52	100.66
30	20'-0"	6'-8"	13'-4"		2	VI	N/A	26'-0"	3'-3"	3'-0"	3'-0"	86.34	38.61	51.62	116.56	58.88	81.02	97.21	85.41	103.34
32	22'-0"	7'-4"	14'-8"		2	VI	N/A	21'-0"	3'-6"	3'-0"	3'-0"	100.66	44.15	53.85	135.71	67.27	84.17	111.77	98.54	107.27

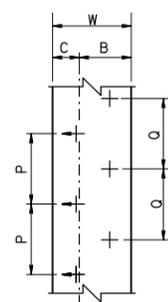
GENERAL NOTES:

- SUBSCRIPT 90 INDICATES CLASS 90 PILES (Min)
- ΣV = SUM OF VERTICAL LOADS
- ΣH = SUM OF HORIZONTAL LOADS
- H₉₀ = SUM OF RESISTING HORIZONTAL LOADS
- DISTANCE BETWEEN CENTER LINE OF PILE AND EDGE OF FOOTING 1'-6" MIN.
- PILE SPACING P AND Q IS MAX. REDUCE TO SUIT LENGTH OF FOOTING. MIN SPACING BETWEEN ANY TWO PILES IS 3'-0".

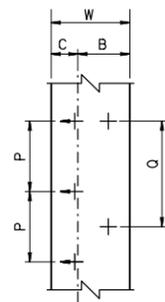


CASE 2

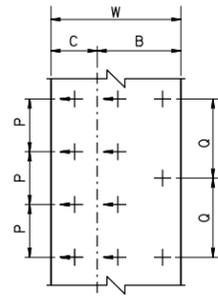
2:1 SLOPE
(40'-0" MAX FILL HEIGHT)



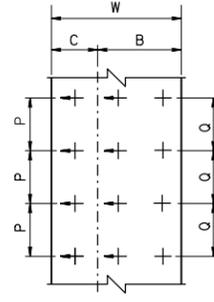
PLAN TYPE 2-I



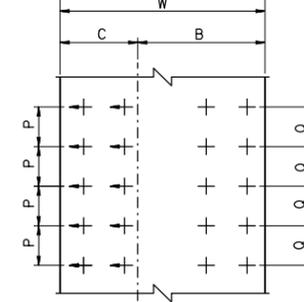
PLAN TYPE 2-II



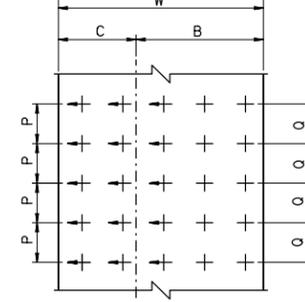
PLAN TYPE 2-III



PLAN TYPE 2-IV



PLAN TYPE 2-V



PLAN TYPE 2-VI