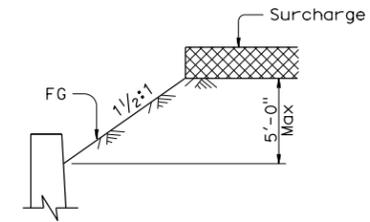


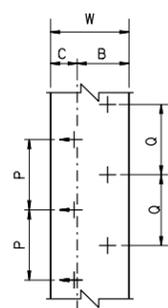
DESIGN H	FOOTING DATA			PILE PATTERN LAYOUT	LOAD CASE	PILE PATTERN	LIVE LOAD SURCHARGE	CONCRETE PILES											
								VALUES OF ΣV , ΣH AND H_{90} ARE IN kips/ft.											
	W	C	B					F _p	P ₉₀	Q ₉₀	ΣV	ΣH	H ₉₀	ΣV	ΣH	H ₉₀	ΣV	ΣH	H ₉₀
4	4'-6"	1'-6"	3'-0"		3	I	2'-0"	1'-7"	13'-0"	13'-0"	4.42	1.29	3.73	5.82	1.94	6.02	4.58	3.05	8.20
6	5'-3"	1'-9"	3'-6"		3	I	2'-0"	1'-7"	12'-0"	12'-0"	6.26	2.09	4.47	8.26	3.13	7.01	6.41	4.58	9.48
8	6'-0"	2'-0"	4'-0"		3	I	2'-0"	1'-7"	10'-0"	10'-0"	8.30	3.85	6.18	10.97	5.98	9.90	8.47	6.36	11.73
10	6'-9"	2'-3"	4'-6"		3	III	2'-0"	1'-7"	7'-6"	15'-0"	10.58	5.11	6.89	13.98	7.91	10.99	10.73	8.42	12.80
12	8'-3"	2'-9"	5'-6"		3	III	2'-0"	1'-7"	7'-0"	14'-0"	14.09	6.81	7.94	18.61	10.53	12.38	14.20	11.08	14.27
14	10'-0"	3'-6"	6'-6"		3	II	2'-0"	1'-11"	5'-10"	8'-9"	18.69	8.75	10.13	24.65	13.49	15.74	18.73	14.51	18.35
16	11'-0"	3'-9"	7'-3"		3	IV	2'-0"	1'-11"	6'-0"	9'-0"	22.46	10.53	15.05	29.61	16.20	23.34	22.48	17.64	27.38
18	12'-0"	4'-0"	8'-0"		3	IV	2'-0"	1'-11"	5'-6"	8'-3"	26.52	12.51	16.96	34.96	19.20	26.44	26.54	21.06	30.73
20	13'-0"	4'-3"	8'-9"		3	IV	2'-0"	1'-11"	5'-0"	7'-6"	31.12	14.62	19.14	41.05	22.40	29.53	31.06	24.71	34.45
22	14'-0"	4'-6"	9'-6"		3	IV	2'-0"	2'-0"	4'-6"	6'-9"	36.65	16.78	21.52	48.47	25.67	33.15	36.41	28.70	38.71
24	15'-0"	5'-0"	10'-0"		3	IV	2'-0"	2'-6"	3'-8"	5'-6"	42.70	19.56	25.56	56.41	29.88	39.47	42.34	33.67	46.99
26	16'-0"	5'-4"	10'-8"		3	V	2'-0"	2'-8"	3'-4"	6'-8"	49.01	22.14	29.48	64.78	33.79	46.06	48.50	38.43	55.69
28	17'-3"	5'-9"	11'-6"		3	VI	2'-0"	2'-11"	4'-0"	6'-0"	56.92	24.99	35.99	75.18	38.11	55.88	56.21	43.88	67.02
30	18'-3"	6'-1"	12'-2"		3	VI	2'-0"	3'-3"	3'-8"	5'-6"	64.45	28.13	39.67	85.15	42.85	61.62	63.58	49.67	73.86
32	19'-0"	6'-4"	12'-8"		3	VI	2'-0"	3'-6"	3'-2"	4'-9"	71.40	31.33	45.07	94.26	47.69	70.11	70.41	55.46	84.51
34	20'-0"	6'-9"	13'-3"		3	VI	2'-0"	3'-9"	3'-0"	4'-6"	79.09	34.70	48.17	104.44	52.78	74.90	77.96	61.63	90.42
36	21'-9"	7'-3"	14'-6"		3	VII	2'-0"	4'-0"	3'-0"	3'-0"	91.10	38.24	53.24	120.44	58.14	83.17	89.67	68.89	101.61

GENERAL NOTES:

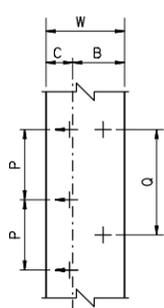
- SUBSCRIPT 90 INDICATES CLASS 90 PILES (Min)
- ΣV = SUM OF VERTICAL LOADS
- ΣH = SUM OF HORIZONTAL LOADS
- H_{90} = SUM OF RESISTING HORIZONTAL LOADS
- DISTANCE BETWEEN CENTER LINE OF PILE AND EDGE OF FOOTING 1'-6" MIN.
- PILE SPACING P AND Q IS MAX. REDUCE TO SUIT LENGTH OF FOOTING. MIN SPACING BETWEEN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



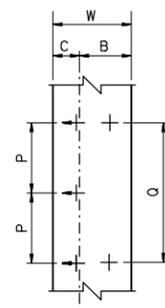
CASE 3

 1 1/2:1 LIMITED SLOPE
 (5'-0" MAX FILL HEIGHT) + SURCHARGE


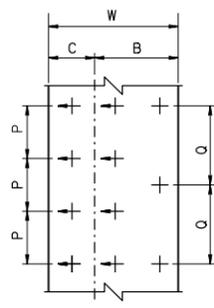
PLAN TYPE 3-I



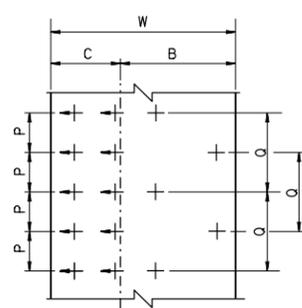
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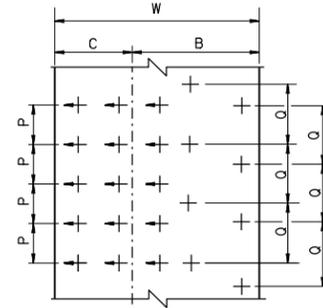
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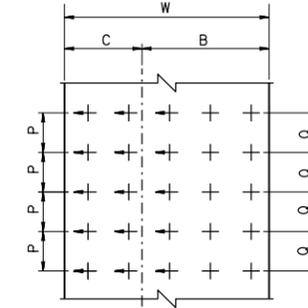
PLAN TYPE 3-IV



PLAN TYPE 3-V



PLAN TYPE 3-VI


 PLAN TYPE 3-VII^{4/11/14}