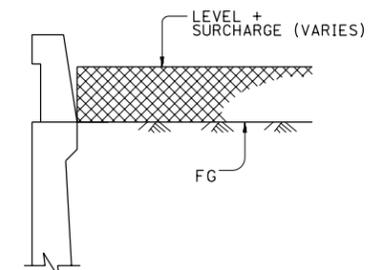


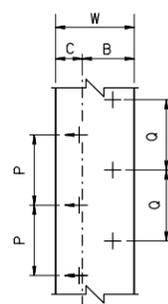
DESIGN H	FOOTING DATA			PILE PATTERN LAYOUT P ← LAYOUT LINE → Q	LOAD CASE	PILE PATTERN	LIVE LOAD SURCHARGE	CONCRETE/STEEL PILES														
								VALUES OF ΣV, ΣH AND H <sub>90</sub> ARE IN kips/ft.			SERVICE			STRENGTH			EXTREME I			EXTREME II		
	W	C	B					F <sub>p</sub>	P <sub>90</sub>	Q <sub>90</sub>	ΣV	ΣH	H <sub>90</sub>	ΣV	ΣH	H <sub>90</sub>	ΣV	ΣH	H <sub>90</sub>	ΣV	ΣH	H <sub>90</sub>
4	4'-6"	1'-6"	3'-0"		1	I	4'-8 1/4"	1'-7"	9'-0"	9'-0"	5.20	1.59	5.43	7.19	2.63	8.79	4.08	1.70	10.44	4.08	1.98	12.36
6	5'-0"	1'-8"	3'-4"		1	I	4'-1"	1'-7"	10'-0"	10'-0"	6.57	2.23	5.55	8.98	3.62	8.91	5.43	2.67	10.17	5.43	2.46	11.63
8	5'-6"	1'-10"	3'-8"		1	I	3'-6"	1'-7"	10'-6"	10'-6"	8.06	2.92	5.89	10.92	4.67	9.39	6.95	3.88	10.55	6.95	3.07	11.57
10	6'-3"	2'-1"	4'-2"		1	II	3'-2 1/4"	1'-7"	8'-0"	16'-0"	10.12	3.78	6.34	13.67	6.00	10.01	8.91	5.37	11.18	8.91	3.83	11.68
12	7'-3"	2'-5"	4'-10"		1	II	2'-10 3/4"	1'-7"	7'-9"	15'-6"	12.78	4.74	6.96	17.21	7.46	10.89	11.45	7.18	12.18	11.45	4.71	12.18
14	8'-3"	2'-9"	5'-6"		1	II	2'-6 1/2"	1'-11"	6'-3"	12'-6"	16.09	5.98	8.55	21.58	9.33	13.33	14.72	9.61	15.13	14.72	5.92	14.66
16	9'-3"	3'-1"	6'-2"		1	II	2'-3"	1'-11"	5'-6"	11'-0"	19.35	7.15	9.79	25.89	11.08	15.20	17.96	11.99	17.54	17.96	7.01	16.43
18	10'-3"	3'-5"	6'-10"		1	III	2'-0"	1'-11"	6'-10"	13'-8"	22.92	8.46	13.45	30.62	13.03	20.64	21.52	14.64	23.47	21.52	8.22	21.82
20	11'-3"	3'-9"	7'-6"		1	III	2'-0"	1'-11"	6'-4"	12'-8"	26.97	10.04	14.91	36.05	15.45	22.87	25.41	17.56	25.97	25.41	9.58	23.75
22	12'-3"	4'-1"	8'-2"		1	III	2'-0"	2'-0"	5'-9"	11'-6"	31.49	11.84	16.70	42.11	18.18	25.61	29.77	20.87	29.16	29.77	11.16	26.27
24	13'-3"	4'-5"	8'-10"		1	III	2'-0"	2'-6"	4'-10"	9'-8"	37.29	14.20	19.71	49.75	21.75	30.24	35.42	25.22	34.68	35.42	13.28	30.94
26	14'-3"	4'-9"	9'-6"		1	IV	2'-0"	2'-8"	4'-6"	6'-9"	42.77	16.41	23.93	57.05	25.11	37.48	40.74	29.33	45.29	40.74	15.29	40.04
28	15'-3"	5'-1"	10'-2"		1	IV	2'-0"	2'-11"	4'-2"	6'-3"	48.96	18.87	26.32	65.21	28.84	41.15	46.76	33.94	49.78	46.76	17.55	43.59
30	16'-3"	5'-5"	10'-10"		1	V	2'-0"	3'-3"	4'-2"	6'-3"	55.78	21.61	34.50	74.18	32.99	53.57	53.43	39.08	63.81	53.43	20.08	56.78
32	17'-3"	5'-9"	11'-6"		1	V	2'-0"	3'-6"	3'-10"	5'-9"	62.86	24.43	37.80	83.48	37.25	58.66	60.35	44.39	70.11	60.35	22.70	61.94
34	18'-3"	6'-1"	12'-2"		1	V	2'-0"	3'-9"	3'-6"	5'-3"	70.19	27.41	41.45	93.19	41.77	64.33	67.52	50.01	77.16	67.52	25.50	67.83
36	19'-3"	6'-5"	12'-10"		1	V	2'-0"	4'-0"	3'-4"	5'-0"	77.92	30.57	44.35	103.43	46.54	68.74	75.09	55.96	82.51	75.09	28.47	71.97

GENERAL NOTES:

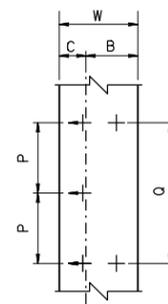
- SUBSCRIPT 90 INDICATES CLASS 90 PILES (Min)
- ΣV = SUM OF VERTICAL LOADS
- ΣH = SUM OF HORIZONTAL LOADS
- H<sub>90</sub> = SUM OF RESISTING HORIZONTAL LOADS
- DISTANCE BETWEEN CENTER LINE OF PILE AND EDGE OF FOOTING 1'-6" MIN.
- PILE SPACING P AND Q IS MAX. REDUCE TO SUIT LENGTH OF FOOTING. MIN SPACING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



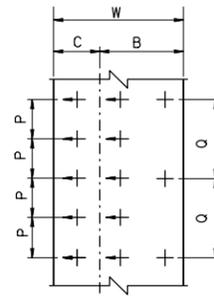
LOAD CASE 1  
LEVEL + SURCHARGE + BARRIER



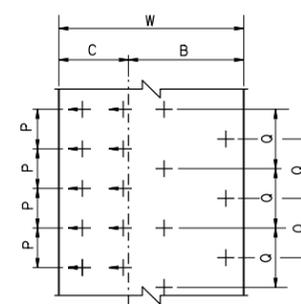
PLAN TYPE 1-I



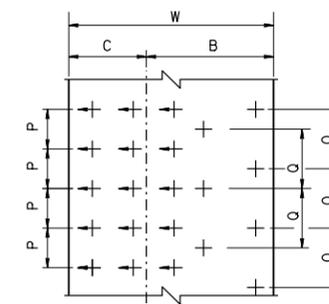
PLAN TYPE 1-II



PLAN TYPE 1-III



PLAN TYPE 1-IV



PLAN TYPE 1-V

4/11/14