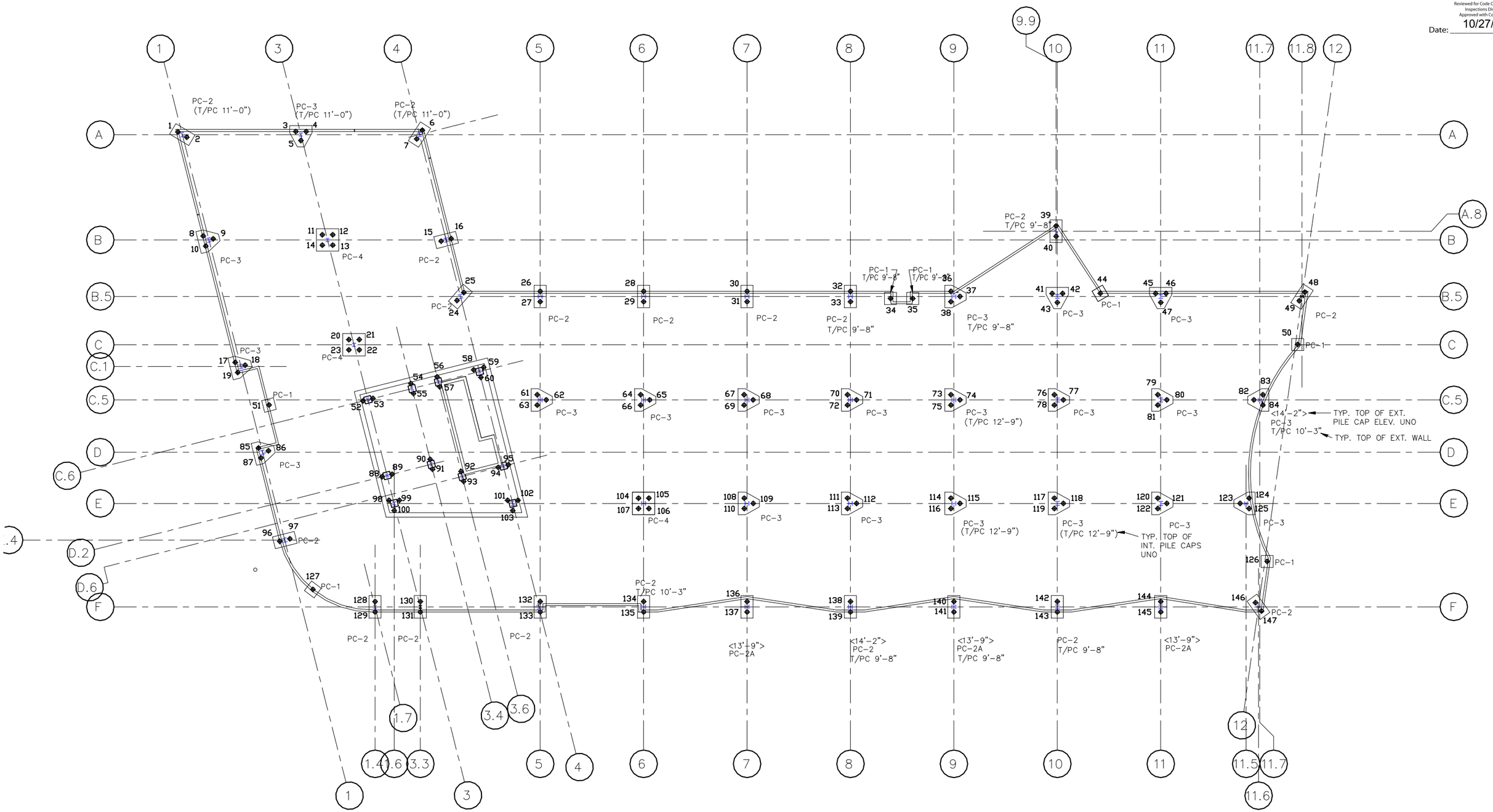
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 10/27/17



WEX Pile Numbering Drawing
NTS

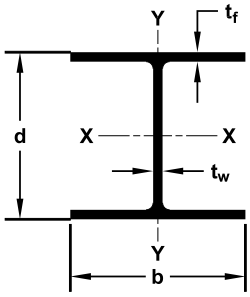
H.B. FLEMING
89 PLEASANT AVENUE
SO. PORTLAND, ME 04106
P: 207-799-8514 F: 207-799-8538
www.hbfleming.com

TITLE: WEX Pile Numbering Drawing
PROJECT: 0 Hancock Street
LOCATION: Portland, ME
DATE: 10/04/17
SCALE: As Noted

HP

Reviewed for C
Inspectio
Approved w
Date: 10/2

Steel H-Pile



SECTION	Weight lb/ft (kg/m)	Area in² (cm²)	Depth d in (mm)	Flange Width b in (mm)	THICKNESS Flange (t_f) in (mm)	THICKNESS Web (t_w) in (mm)	Coating Area ft²/ft (m²/m)	PROPERTIES AXIS X-X I in⁴ (cm⁴)	AXIS X-X S in³ (cm³)	AXIS X-X Z in³ (cm³)	AXIS X-X r in (cm)	AXIS Y-Y I in⁴ (cm⁴)	AXIS Y-Y S in³ (cm³)	AXIS Y-Y Z in³ (cm³)	AXIS Y-Y r in (cm)
HP 8 HP 200	36 (54)	10.6 (68.4)	8.02 (204)	8.16 (207)	0.445 (11.3)	0.445 (11.3)	3.92 (1.19)	119 (4953)	29.8 (488)	33.6 (550.6)	3.36 (8.53)	40.3 (1677)	9.88 (162)	15.2 (249.1)	1.95 (4.95)
HP 10 HP 250	42 (63)	12.4 (80.0)	9.70 (246)	10.10 (257)	0.420 (10.7)	0.415 (10.5)	4.83 (1.47)	210 (8741)	43.4 (711)	48.3 (791.5)	4.13 (10.5)	71.7 (2984)	14.2 (233)	21.8 (357.2)	2.41 (6.12)
	57 (85)	16.7 (108)	9.99 (254)	10.20 (259)	0.565 (14.4)	0.565 (14.4)	4.91 (1.50)	294 (12237)	58.8 (964)	66.5 (1089.7)	4.18 (10.6)	101 (4204)	19.7 (323)	30.3 (496.5)	2.45 (6.22)
HP 12 HP 310	53 (79)	15.5 (100)	11.80 (300)	12.00 (305)	0.435 (11.0)	0.435 (11.0)	5.82 (1.77)	393 (16358)	66.7 (1093)	74.0 (1212.6)	5.03 (12.8)	127 (5286)	21.1 (346)	32.2 (527.7)	2.86 (7.26)
	63 (94)	18.4 (119)	11.90 (302)	12.10 (307)	0.515 (13.1)	0.515 (13.1)	5.86 (1.79)	472 (19646)	79.1 (1296)	88.3 (1447.0)	5.06 (12.9)	153 (6368)	25.3 (415)	38.7 (634.2)	2.88 (7.32)
	74 (110)	21.8 (141)	12.10 (307)	12.20 (310)	0.610 (15.5)	0.605 (15.4)	5.91 (1.80)	569 (23683)	93.8 (1537)	105 (1720.6)	5.11 (13.0)	186 (7742)	30.4 (498)	46.6 (763.6)	2.92 (7.42)
	84 (125)	24.6 (159)	12.30 (312)	12.30 (312)	0.685 (17.4)	0.685 (17.4)	5.97 (1.82)	650 (27055)	106 (1737)	120 (1966.4)	5.14 (13.1)	213 (8866)	34.6 (567)	53.2 (871.8)	2.94 (7.47)
	89 (132)	25.9 (167)	12.36 (314)	12.32 (313)	0.720 (18.3)	0.720 (18.3)	6.04 (1.84)	689 (28700)	111.6 (1830)	126.3 (2070)	5.16 (13.1)	225 (9370)	36.5 (599)	56.2 (922)	2.94 (7.48)
	102 (152)	29.9 (193)	12.56 (319)	12.64 (321)	0.819 (20.8)	0.819 (20.8)	6.17 (1.88)	811 (33800)	129.3 (2120)	147.6 (2420)	5.20 (13.2)	276 (11500)	43.7 (716)	67.1 (1100)	3.04 (7.71)
	117 (174)	34.4 (222)	12.76 (324)	12.87 (327)	0.929 (23.6)	0.929 (23.6)	6.26 (1.91)	946 (39400)	148.2 (2430)	170.8 (2800)	5.24 (13.3)	331 (13800)	51.4 (843)	79.3 (1300)	3.11 (7.89)
HP 14 HP 360	73 (109)	21.4 (138)	13.60 (345)	14.60 (371)	0.505 (12.8)	0.505 (12.8)	6.96 (2.12)	729 (30343)	107 (1753)	118 (1933.7)	5.84 (14.8)	261 (10864)	35.8 (587)	54.6 (894.7)	3.49 (8.86)
	89 (132)	26.1 (168)	13.80 (351)	14.70 (373)	0.615 (15.6)	0.615 (15.6)	7.02 (2.14)	904 (37627)	131 (2147)	146 (2392.5)	5.88 (14.9)	326 (13569)	44.3 (726)	67.7 (1109.4)	3.53 (8.97)
	102 (152)	30.1 (194)	14.00 (356)	14.80 (376)	0.705 (17.9)	0.705 (17.9)	7.06 (2.15)	1050 (43704)	150 (2458)	169 (2769.4)	5.92 (15.0)	380 (15817)	51.4 (842)	78.8 (1291.3)	3.56 (9.04)
	117 (174)	34.4 (222)	14.20 (361)	14.90 (378)	0.805 (20.4)	0.805 (20.4)	7.12 (2.34)	1220 (50780)	172 (2819)	194 (3179.1)	5.96 (15.1)	443 (18439)	59.5 (975)	91.4 (1497.8)	3.59 (9.12)
HP 16 HP 410	88 (131)	25.8 (167)	15.30 (389)	15.70 (399)	0.540 (13.7)	0.540 (13.7)	7.52 (2.29)	1110 (46201)	145 (2376)	161 (2638.3)	6.56 (16.7)	349 (14526)	44.5 (729)	68.2 (1117.6)	3.68 (9.35)
	101 (150)	29.9 (193)	15.50 (394)	15.80 (401)	0.625 (15.9)	0.625 (15.9)	7.56 (2.30)	1300 (54110)	168 (2753)	187 (3064.4)	6.59 (16.7)	412 (17149)	52.2 (855)	80.1 (1312.6)	3.71 (9.42)
	121 (180)	35.8 (231)	15.80 (401)	15.90 (404)	0.750 (19.1)	0.750 (19.1)	7.62 (2.32)	1590 (66180)	201 (3294)	226 (3703.5)	6.66 (16.9)	504 (20978)	63.4 (1039)	97.6 (1599.4)	3.75 (9.53)
	141 (210)	41.7 (269)	16.00 (406)	16.00 (406)	0.875 (22.2)	0.875 (22.2)	7.69 (2.34)	1870 (77835)	234 (3835)	264 (4326.2)	6.70 (17.0)	599 (24932)	74.9 (1227)	116 (1900.9)	3.79 (9.63)
	162 (241)	47.7 (308)	16.30 (414)	16.10 (409)	1.000 (25.4)	1.000 (25.4)	7.75 (2.36)	2190 (91154)	269 (4408)	306 (5014.4)	6.78 (17.2)	697 (29011)	86.6 (1419)	134 (2195.9)	3.82 (9.70)
	183 (272)	54.1 (349)	16.50 (419)	16.30 (414)	1.130 (28.7)	1.130 (28.7)	7.81 (2.38)	2510 (104473)	304 (4982)	349 (5719.1)	6.81 (17.3)	818 (34047)	100.0 (1639)	156 (2556.4)	3.89 (9.88)
HP 18 HP 460	135 (201)	39.9 (257)	17.50 (445)	17.80 (452)	0.750 (19.1)	0.750 (19.1)	8.54 (2.60)	2200 (91570)	251 (4113)	281 (4604.7)	7.43 (18.9)	706 (29386)	79.3 (1299)	122 (1999.2)	4.21 (10.7)
	157 (234)	46.2 (298)	17.70 (450)	17.90 (455)	0.870 (22.1)	0.870 (22.1)	8.60 (2.62)	2570 (106971)	290 (4752)	327 (5358.5)	7.46 (18.9)	833 (34672)	93.1 (1526)	143 (2343.3)	4.25 (10.8)
	181 (269)	53.2 (343)	18.00 (457)	18.00 (457)	1.000 (25.4)	1.000 (25.4)	8.66 (2.64)	3020 (125701)	336 (5506)	379 (6210.7)	7.53 (19.1)	974 (40541)	108.0 (1770)	167 (2736.6)	4.28 (10.9)
	204 (304)	60.2 (388)	18.30 (465)	18.10 (460)	1.130 (28.7)	1.130 (28.7)	8.73 (2.66)	3480 (144847)	380 (6227)	433 (7095.6)	7.60 (19.3)	1120 (46618)	124.0 (2032)	191 (3129.9)	4.31 (11.0)