



Hinged Non-Tapered (Anchor Base)

STRUCTURE DATA										
Catalog Number	Gross Weight (Lbs)	Pole Shaft Data				Base Plate Data			Anchor Bolt Data	
		Base Width (in)	Top Width (in)	Wall Thk. (in)	Shaft Length (ft)	Bolt Circle Range (in)	Plate Width (in)	Plate Thk. (in)	Dia x Lgth x Hk	Anchor Bolt Template Number
SNHP-10-40-E2-AB	79	4.0	4.0	0.1196	10	8 to 9.5	9.00	0.75	.75 x 30 x 3	ABT-900-4
SNHP-12-40-E2-AB	92	4.0	4.0	0.1196	12	8 to 9.5	9.00	0.75	.75 x 30 x 3	ABT-900-4
SNHP-14-40-E2-AB	105	4.0	4.0	0.1196	14	8 to 9.5	9.00	0.75	.75 x 30 x 3	ABT-900-4
SNHP-15-40-E2-AB	112	4.0	4.0	0.1196	15	8 to 9.5	9.00	0.75	.75 x 30 x 3	ABT-900-4
SNHP-16-40-E2-AB	118	4.0	4.0	0.1196	16	8 to 9.5	9.00	0.75	.75 x 30 x 3	ABT-900-4
SNHP-18-40-E2-AB	131	4.0	4.0	0.1196	18	8 to 9.5	9.00	0.75	.75 x 30 x 3	ABT-900-4
SNHP-20-40-E2-AB	144	4.0	4.0	0.1196	20	8 to 9.5	9.00	0.75	.75 x 30 x 3	ABT-900-4
SNHP-20-40-V2-AB	215	4.0	4.0	0.1875	20	8 to 9.5	9.00	0.75	.75 x 30 x 3	ABT-900-4
SNHP-20-50-E2-AB	195	5.0	5.0	0.1196	20	10 to 12	11.50	1.00	.75 x 30 x 3	ABT-110-4
SNHP-20-50-V2-AB	285	5.0	5.0	0.1875	20	10 to 12	11.50	1.00	.75 x 30 x 3	ABT-110-4
SNHP-25-40-E2-AB	182	4.0	4.0	0.1196	25	8 to 9.5	9.00	1.00	.75 x 30 x 3	ABT-900-4
SNHP-25-40-V2-AB	270	4.0	4.0	0.1875	25	8 to 9.5	9.00	1.00	.75 x 30 x 3	ABT-900-4
SNHP-25-50-E2-AB	236	5.0	5.0	0.1196	25	10 to 12	11.50	1.00	.75 x 30 x 3	ABT-110-4
SNHP-25-50-V2-AB	349	5.0	5.0	0.1875	25	10 to 12	11.50	1.00	.75 x 30 x 3	ABT-110-4
SNHP-30-40-V2-AB	320	4.0	4.0	0.1875	30	8 to 9.5	9.00	1.00	.75 x 30 x 3	ABT-900-4
SNHP-30-50-E2-AB	277	5.0	5.0	0.1196	30	10 to 12	11.50	1.00	.75 x 30 x 3	ABT-110-4
SNHP-30-50-V2-AB	308	5.0	5.0	0.1875	30	10 to 12	11.50	1.00	1 x 36 x 4	ABT-110-4
SNHP-30-60-V2-AB	494	6.0	6.0	0.1875	30	11 to 13	12.50	1.00	1 x 36 x 4	ABT-120-4
SNHP-30-70-H2-AB	839	7.0	7.0	0.2500	30	13.5 to 15.5	15.50	1.00	1.25 x 42 x 6	ABT-145-4
SNHP-30-80-H2-AB	960	8.0	8.0	0.2500	30	14.5 to 16.5	16.50	1.00	1.25 x 42 x 6	ABT-155-4
SNHP-35-50-V2-AB	481	5.0	5.0	0.1875	35	10 to 12	12.50	1.00	1 x 36 x 4	ABT-110-4
SNHP-35-60-V2-AB	570	6.0	6.0	0.1875	35	11 to 13	12.50	1.00	1 x 36 x 4	ABT-120-4
SNHP-35-70-V2-AB	683	7.0	7.0	0.1875	35	13.5 to 15.5	15.50	1.00	1 x 36 x 4	ABT-145-4
SNHP-35-70-H2-AB	970	7.0	7.0	0.2500	35	13.5 to 15.5	15.50	1.00	1.25 x 42 x 6	ABT-145-4
SNHP-35-80-H2-AB	1110	8.0	8.0	0.2500	35	14.5 to 16.5	16.50	1.00	1.25 x 42 x 6	ABT-155-4
SNHP-40-60-V2-AB	646	6.0	6.0	0.1875	40	11 to 13	12.50	1.00	1 x 36 x 4	ABT-120-4
SNHP-40-70-V2-AB	772	7.0	7.0	0.1875	40	13.5 to 15.5	15.50	1.00	1 x 36 x 4	ABT-145-4
SNHP-40-70-H2-AB	1100	7.0	7.0	0.2500	40	13.5 to 15.5	15.50	1.00	1.25 x 42 x 6	ABT-145-4
SNHP-40-80-H2-AB	1260	8.0	8.0	0.2500	40	14.5 to 16.5	16.50	1.00	1.25 x 42 x 6	ABT-155-4



STRUCTURE LOADING CAPACITIES												
Catalog Number	Maximum Loading											
	70 mph		80 mph		90 mph		100 mph		110 mph		120 mph	
	EPA (ft²)	Wt. (lbs)	EPA (ft²)	Wt. (lbs)	EPA (ft²)	Wt. (lbs)	EPA (ft²)	Wt. (lbs)	EPA (ft²)	Wt. (lbs)	EPA (ft²)	Wt. (lbs)
SNHP-10-40-E2-AB	41.0	1025	30.5	763	23.5	588	18.5	463	15.0	375	12.0	300
SNHP-12-40-E2-AB	32.0	800	23.5	588	18.0	450	13.5	338	10.5	263	8.0	200
SNHP-14-40-E2-AB	27.5	688	20.0	500	15.0	375	11.5	288	9.0	225	7.0	175
SNHP-15-40-E2-AB	25.0	625	18.0	450	13.5	338	10.0	250	7.5	188	6.0	150
SNHP-16-40-E2-AB	20.0	500	14.0	350	9.5	238	6.5	163	4.5	113	2.5	63
SNHP-18-40-E2-AB	17.0	425	12.0	300	8.5	213	5.5	138	3.5	88	2.0	50
SNHP-20-40-E2-AB	15.0	375	10.5	263	7.0	175	5.0	125	3.0	75	2.0	50
SNHP-20-40-V2-AB	23.5	588	17.0	425	12.5	313	9.0	225	6.5	163	5.0	125
SNHP-20-50-E2-AB	26.0	650	18.5	463	13.5	338	9.5	238	7.0	175	5.0	125
SNHP-20-50-V2-AB	40.5	1013	29.5	738	22.0	550	17.0	425	13.0	325	10.0	250
SNHP-25-40-E2-AB	9.0	225	5.5	138	3.0	75	1.5	38	---	---	---	---
SNHP-25-40-V2-AB	15.0	375	10.5	263	7.0	175	4.5	113	3.0	75	1.5	38
SNHP-25-50-E2-AB	16.5	413	11.0	275	7.0	175	4.5	113	2.5	63	0.5	13
SNHP-25-50-V2-AB	27.0	675	19.5	488	13.5	338	9.5	238	7.0	175	4.5	113
SNHP-30-40-V2-AB	10.0	250	6.0	150	3.5	88	1.5	38	---	---	---	---
SNHP-30-50-E2-AB	10.0	250	5.5	138	2.5	63	0.5	13	---	---	---	---
SNHP-30-50-V2-AB	18.5	463	12.5	313	8.0	200	5.0	125	2.5	63	1.0	25
SNHP-30-60-V2-AB	30.5	763	21.0	525	14.5	363	9.5	238	6.0	150	3.5	88
SNHP-30-70-H2-AB	60.0	1500	43.0	1075	31.5	788	23.5	588	17.5	438	12.5	313
SNHP-30-80-H2-AB	82.0	2050	60.0	1500	44.5	1113	33.5	838	25.5	638	19.0	475
SNHP-35-50-V2-AB	13.0	325	7.5	188	4.0	100	1.0	25	---	---	---	---
SNHP-35-60-V2-AB	22.0	550	14.0	350	8.5	213	4.5	113	1.5	38	---	---
SNHP-35-70-V2-AB	33.5	838	22.0	550	14.5	363	9.0	225	5.0	125	2.0	50
SNHP-35-70-H2-AB	46.0	1150	31.5	788	22.5	563	15.5	388	10.5	263	6.5	163
SNHP-35-80-H2-AB	64.0	1600	45.5	1138	32.5	813	23.5	588	16.5	413	11.5	288
SNHP-40-60-V2-AB	15.5	388	8.5	213	4.0	100	0.5	13	---	---	---	---
SNHP-40-70-V2-AB	24.5	613	15.0	375	8.5	213	3.5	88	0.5	13	---	---
SNHP-40-70-H2-AB	35.5	888	23.5	588	15.0	375	9.5	238	5.0	125	1.5	38
SNHP-40-80-H2-AB	50.5	1263	34.5	863	23.5	588	15.5	388	9.5	238	5.0	125

* All poles utilize WNCH-1500-01



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FOUNDATIONS (SNHP-AB)								
Catalog Number	Foundation Data						Anchor Bolt Data	
	Caisson Diameter (in)	Caisson Depth (ft)	Vert Rebar Qty	Vert Rebar Size	Concrete Volume (Cu Yds)	Steel Weight (lbs)	Dia x Lgth x Hk	Bolt Circle Range (in)
SNHP-10-40-E2-AB	24	5.00	8	#5	0.58	59	.75 x 30 x 3	8 to 9.5
SNHP-12-40-E2-AB	24	5.00	8	#5	0.58	59	.75 x 30 x 3	8 to 9.5
SNHP-14-40-E2-AB	24	5.00	8	#5	0.58	59	.75 x 30 x 3	8 to 9.5
SNHP-15-40-E2-AB	24	5.00	8	#5	0.58	59	.75 x 30 x 3	8 to 9.5
SNHP-16-40-E2-AB	24	5.00	8	#5	0.58	59	.75 x 30 x 3	8 to 9.5
SNHP-18-40-E2-AB	24	5.00	8	#5	0.58	59	.75 x 30 x 3	8 to 9.5
SNHP-20-40-E2-AB	24	5.00	8	#5	0.58	59	.75 x 30 x 3	8 to 9.5
SNHP-20-40-V2-AB	24	5.00	8	#5	0.58	59	.75 x 30 x 3	8 to 9.5
SNHP-20-50-E2-AB	24	5.00	8	#5	0.58	59	.75 x 30 x 3	10 to 12
SNHP-20-50-V2-AB	24	5.00	8	#5	0.58	59	.75 x 30 x 3	10 to 12
SNHP-25-40-E2-AB	24	5.00	8	#5	0.58	59	.75 x 30 x 3	8 to 9.5
SNHP-25-40-V2-AB	24	5.00	8	#5	0.58	59	.75 x 30 x 3	8 to 9.5
SNHP-25-50-E2-AB	24	5.00	8	#5	0.58	59	.75 x 30 x 3	10 to 12
SNHP-25-50-V2-AB	24	5.00	8	#5	0.58	59	.75 x 30 x 3	10 to 12
SNHP-30-40-V2-AB	24	5.00	8	#5	0.58	59	.75 x 30 x 3	8 to 9.5
SNHP-30-50-E2-AB	24	5.00	8	#5	0.58	59	.75 x 30 x 3	10 to 12
SNHP-30-50-V2-AB	24	5.00	8	#5	0.58	59	1 x 36 x 4	10 to 12
SNHP-30-60-V2-AB	30	5.00	8	#5	0.91	64	1 x 36 x 4	11 to 13
SNHP-30-70-H2-AB	30	5.00	8	#5	0.91	64	1.25 x 42 x 6	13.5 to 15.5
SNHP-30-80-H2-AB	30	5.00	8	#5	0.91	64	1.25 x 42 x 6	14.5 to 16.5
SNHP-35-50-V2-AB	30	6.00	10	#5	1.09	89	1 x 36 x 4	10 to 12
SNHP-35-60-V2-AB	30	6.00	10	#5	1.09	89	1 x 36 x 4	11 to 13
SNHP-35-70-V2-AB	30	6.00	10	#5	1.09	89	1 x 36 x 4	13.5 to 15.5
SNHP-35-70-H2-AB	30	6.00	10	#5	1.09	89	1.25 x 42 x 6	13.5 to 15.5
SNHP-35-80-H2-AB	30	6.00	10	#5	1.09	89	1.25 x 42 x 6	14.5 to 16.5
SNHP-40-60-V2-AB	30	6.00	10	#5	1.09	89	1 x 36 x 4	11 to 13
SNHP-40-70-V2-AB	30	6.00	10	#5	1.09	89	1 x 36 x 4	13.5 to 15.5
SNHP-40-70-H2-AB	30	7.00	12	#5	1.27	118	1.25 x 42 x 6	13.5 to 15.5
SNHP-40-80-H2-AB	30	7.00	12	#5	1.27	118	1.25 x 42 x 6	14.5 to 16.5

- Notes:
- The above information is for estimating purposes only. Do not use for construction.
 - Analysis is based upon Brom's method of foundation design.
 - All of the designs are based upon the following soil parameters:
 - Soil is homogeneous, non-cohesive
 - $\phi = 30$ degrees
 - $\gamma = 110$ pcf.
 - Water table is below bottom of foundation.
 - Site grade is 7H:1V or flatter.
 - Concrete 28 day compressive strength = 3000 psi.
 - Reinforcing meets the requirements of ASTM A615 grade 60.
 - Concrete design is in accordance with ACI 318-95.
 - Concrete is cast against undisturbed soil.
 - All reinforcing must be covered by a minimum of 3" of concrete on all sides.
 - All vertical reinforcing bars are equally spaced.
 - #4 reinforcing bars are used as hoops and are spaced on 12" centers.

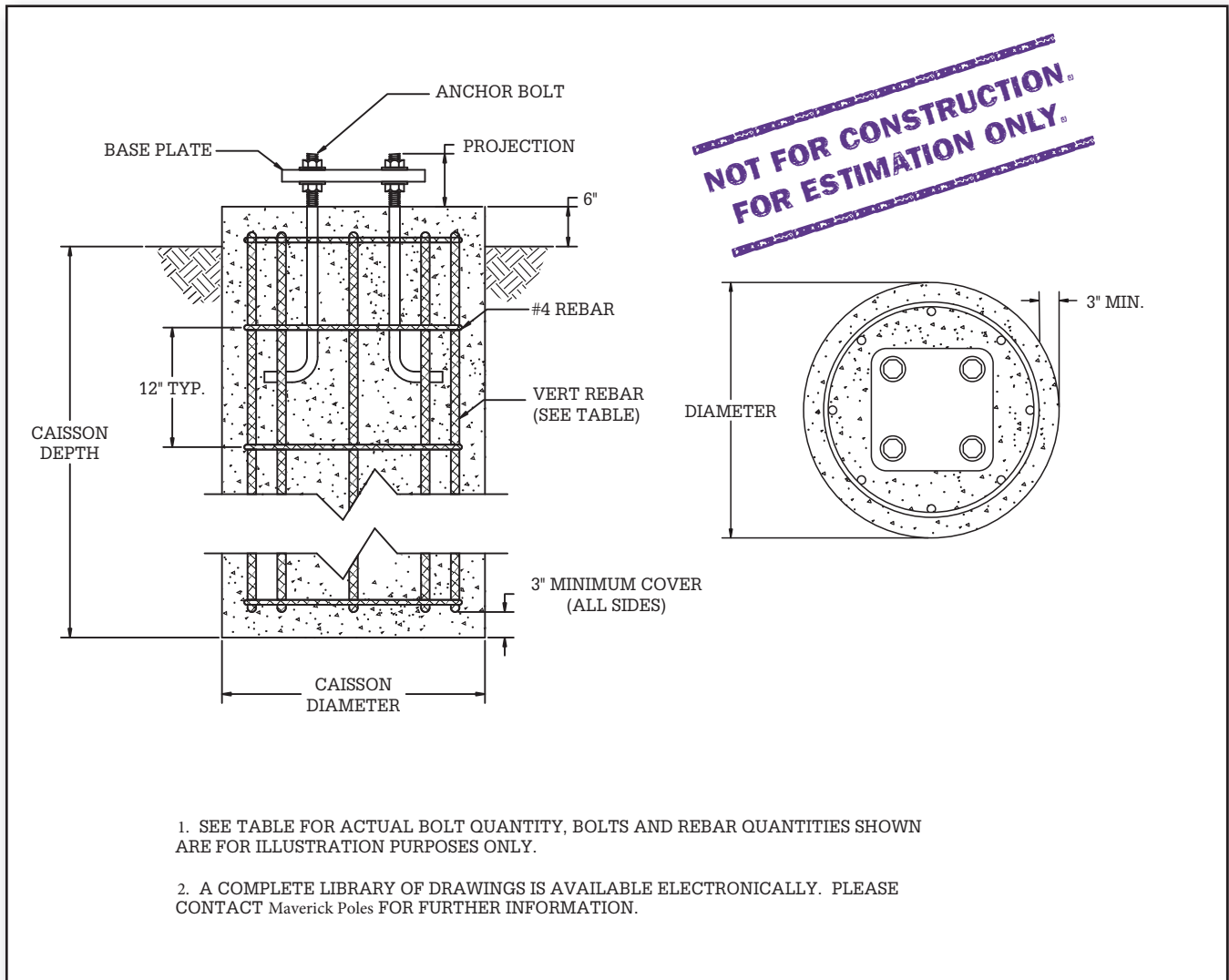
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**NOT FOR CONSTRUCTION
 FOR ESTIMATION ONLY**



Hinged Non-Tapered (Anchor Base)



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