## PILE BENT NOTES:

THESE PIER BENTS ARE DESIGNED FOR USE IN LOCATIONS WHERE ICE AND DRIFT CONDITIONS ARE NOT SEVERE.

FOR DETAILS OF TRESTLE PILES, TYPES 1, 2 AND 3, SEE STANDARD PIOL.

MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR SHALL BE 2 INCHES UNLESS OTHERWISE NOTED OR SHOWN.

PIER PILES SHALL BE DRIVEN TO VALUES SHOWN IN DESIGN PLANS.



PILE ORIENTATION DETAIL FOR TYPE 3 TRESTLE BENT PILES

-€ PIER CAP & € PILES

		RE	INFORC	ΙN	IG I	BAR	L	IST	· Al	ΝD	ES	STIN	IΑ	TEC	QL	JΑ	NTI	TIE	S	-	PER	Р	ILE	BE	N.	T	
				9	PILE	BENT	10	PILE	BENT	- 11	PILE	BENT	12	PILE	BENT	13	PILE	BENT	14	PILE	BENT	15	PILE	BENT	16	PILE	BENT
	BAR	LENGTH	SHAPE	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT
	al	42'-8		6	9	870	6	9	870	6	9	870	6	9	870	6	9	870	6	9	870	4	9	580	4	9	580
	<b>a</b> 2	42'-8		4	8	456	4	8	456	4	8	456	4	8	456	4	8	456	4	8	456	4	8	456	4	8	456
	ы	42'-8		4	9	580	4	9	580	4	9	580	4	9	580	4	9	580	4	9	580	4	8	456	4	8	456
	5cl	11'-10		34	5	420	38	5	469	42	5	518	46	5	568	50	5	617	54	5	666	30	5	370	47	5	580
	8el	8'-2		4	8	87	4	8	87	4	8	87	4	8	87	4	8	87	4	8	87	4	8	87	4	8	87
①	REINF	ORCING S	TEEL (LB.)		241	3		2462	2		2511			2561			2610	)		265	9		1949	)		2159	9
		STRUCTURAL 2 PILE TYPE																									
			1,2			-			-		15.2	2		15.2	!		15.2	!		15.1			15.1			15.0	)
	CONCRETE (		3		15.	7		15.7			15.7			15.7			15.7			15.7	7		15.7				-

NOTE: THE REINFORCING STEEL QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

NOTE: THE CONCRETE QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

NOTE: THE NUMBER OF PILES AND THE PILE TYPE ARE TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

BENT	ВА	R	DETA	ILS	
<u> </u>	D=2½	8-12	2′-73	2'-9 D=6	
<b>+</b>	5c1			8el	

NOTE: ALL DIMENSIONS ARE OUT TO OUT, D=PIN DIAMETER,

	FRICTION	BEAR	ING PILING	FRICTION OR	POINT	BEARING PILING					
&−& ABUTMENT	PIOL	TYPE I	DR 2	PIOL TYPE 3							
BEARING	NUMBER OF TRESTLE PILES	3 <sub>"K"</sub> (INCHES)	4 LRFD PU, STRENGTH I DES.LOAD (KIPS)	NUMBER OF TRESTLE PILES	PILE SIZE	4 LRFD PU, STRENGTH I DES. LOAD (KIPS)					
170/ 10	13	14	92	9	HP10x57	133					
138′-10	H	16	109	9	HP12×53	133					
151′-4	14	14	90	9	HP10×57	140					
1517-4	12	16	105	10	HP12×53	126					
163′-10				10	HP10x57	136					
163'-10	13	16	105	П	HP12×53	124					
176′-4				10	HP10x57	143					
176-4				H.	HP12×53	130					
188′-10				H H	HP10×57	135					
100 -10				12	HP12×53	124					
201′-4				12	HP10x57	138					
201 -4				13	HP12×53	127					
213′-10				12	HP10×57	145					
213-10			<del></del>	13	HP12×53	134					
226′-4				13	HP10×57	141					
220 -4				14	HP12×53	131					
243′-0				14	HP10x57	137					
243 0				15	HP12×53	128					

- () SEE SHEET H40-17-14 FOR STEP REINFORCING STEEL QUANTITIES AND DETAILS.
- $\odot$  concrete quantities shown have had the volume of embedded piles deducted for types I and 2 based on 0.8 ft<sup>3</sup> per foot of embedment. The concrete quantities for type 3 piles do not require reduction for pile embedment.
- 3 SEE STANDARD PIOL FOR "K" DIMENSION.
- 4) NOTE: PU, STRENGTH I DESIGN LOAD (KIPS) IS NOT THE VALUE USED IN THE FIELD FOR DRIVING PILES.

NOTE: FRICTION BEARING INCLUDES SIDE FRICTION AND END BEARING IN SOIL. POINT BEARING INCLUDES SIDE FRICTION AND POINT BEARING IN ROCK.

