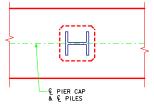
## PILE BENT NOTES:

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

	RE	INFOR	CII	NG	BAR	≀ L	.IS1	T AI	۷D	ES	TIM	ΑT	ED	QUA	łN,	TIT	IES	-	PEI	R P	ILE	В	ENT
						10	PILE	BENT	12	PILE	BENT	14	PILE	BENT	16	PILE	BENT	18	PILE	BENT	19	PILE	BENT
	BAR	LENGTH		SHAP	Έ	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT
	al	51'-8		_	_	8	9	1405	8	9	1405	8	9	1405	6	9	1054	6	9	1054	6	9	1054
	<b>a</b> 2	51'-8		_	_	4	8	552	4	8	552	4	8	552	4	8	552	4	8	552	4	8	552
	ы	51'-8		_	_	4	9	703	4	9	703	4	9	703	4	9	703	4	8	552	4	8	552
	5cl	12'-2				47	5	596	46	5	584	67	5	850	62	5	787	53	5	673	56	5	711
	8el	8'-4				4	8	89	4	8	89	4	8	89	4	8	89	4	8	89	4	8	89
①	REINFORCING STEEL (LB.)			3345				3333		3599		3185		2920		2958							
- 1		STRUCTURAL 2 PILE TYPE																					
	JINGGIGHAL -					19.8		19.7		19.7		19.6			19 <b>.</b> 5		5						
	CONC	CONCRETE (CY)			3	20.4		20.4		20.4		20.4											

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 BAR DETAILS										
	6   <b>←</b>			2′-9						
۳	D=2 1	2′-8	2′-93	D=6						
	2′-11			8el						
	5cl									

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

			991	10 00110 1 111 017111121						
	FRICTION	BEAR	ING PILING	FRICTION OR	POINT	BEARING PILING				
<b>€</b> -€	PIOL	TYPE I O	R 2	PIOL TYPE 3						
ABUTMENT BEARING	NUMBER OF TRESTLE PILES	3 <sub>"K"</sub> (INCHES)	4 LRFD PU, STRENGTH I DES. BRG. (KIPS)	NUMBER OF TRESTLE PILES	PILE SIZE	4 LRFD PU, STRENGTH I DES. BRG. (KIPS)				
138′-10	14	14	92	10	HP10×57	129				
138:-10	12	16	107	10	HP12x53	129				
151′-4	16	14	85	10	HP10x57	135				
151:-4	14	16	97	12	HP12x53	113				
163′-10	16	14	92	12	HP10×57	122				
163 -10	14	16	105	12	HP12x53	122				
176′-4				12	HP10×57	128				
176 -4				12	HP12×53	128				
188′-10				12	HP10x57	134				
100 -10				12	HP12×53	134				
201′-4				14	HP10×57	128				
201 -4				14	HP12×53	128				
213′-10				14	HP10x57	134				
213 10				16	HP12×53	118				
226'-4				14	HP10×57	141				
220 -4				16	HP12x53	124				
243′-0				16	HP10×57	130				
2-13-0				16	HP12x53	130				

- 1) SEE SHEET H44-24-14 FOR STEP REINFORCING STEEL QUANTITIES AND DETAILS.
- ② CONCRETE QUANTITIES SHOWN HAVE HAD THE VOLUME OF EMBEDDED PILES DEDUCTED FOR TYPES I AND 2 BASED ON 0.8 FT 3 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, STENGTH 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.

