	QUANTITY CALCULATION C	OVER SHEET	
Project	Detailed Design on Port Reactivation Project in La Union Province	ivation Project Code JC1N004/2N001 Pay Item No. (BOQ) 20 -1803	
Work Section Title	Socket block	Pay Item No. (BOQ)	20-1803
Quantity Item	Concrete for cover	Unit	M³ ·

Volume of concrete for cover was computed.

References. Calculation Base and Revisions

References: Tender Drowings: 541-QW-01-059 Detail of Anchor-Jack up Plaie & Socket Block.

(Some as Sound (Sockel Block))

Rev	Prepa	red	No. of	Chec	ked	Rev	ewed	Superseded
	by	Date	Pages	by	Date	by	Date	by Calc No.
0	Karla Gorda	Δ		Hr. Truma		Ar. Indo		
1								
2						·		
3								

(I) NIPPON KOEI CO,,LTD,

Projec Section			141																a l	∞ [()	J. I	~~~				. Fi						سحنحت	
Sectio				ا	<u>S</u>	2۷	ß	et			<u> </u>	<u>) (</u>	1															k No	<u>). [</u>				
Subjec	t				C	oν	ر <i>د</i> ۷	∿e	te		fo	n	C	जा	e	<u>^</u>				·					age	∍ N	0.				Re		
	1 1										<u>, </u>	L						1			i			Ĺ	i		:	Re			es	/	
-	11		_		_	1							<u> </u>					_			_	_	1	\perp	\perp	1	1		tes				
1-1-1	44		_	_		_						<u>L</u> .	_			_		_	_		_		_	_ _	-	_	<u> </u>			ļ			
		_[_					-		_	4	ļ								ļ	_	\perp		<u> </u>	1_	<u> </u>				\perp	_ .	\perp
-	-		1	\dashv	_	_		_				4.	1	Ļ_				_				4		1.	1_	<u> </u>	1					1	1
	1-1	Щ	_	_	_	[1	_			_	_				_	_		\perp		╀~	<u> </u>				_	\perp	4
- - -	44	Щ		_	_	_					ļ	4	ļĻ.			_						_]	_ _	\perp	1	<u> </u>	<u> </u>			ئىــــ		_	4
110	\\ \	\perp	_	_	_	_						 _	 	ļ	_	_		_				_			1_	<u> </u>	<u> </u> _			<u>.</u>			1
114	1	4	_	4	_	_						 -	-	<u> </u>		_					_	4				╀	<u> </u>				_	1	1
-		-11	4	4	4	_						4	_	ļ	_			_		Ц		_	_			 	<u> </u>				_		4
	+-1	-	_	-	_	_						-	_			-					_	_		4	1.	<u> </u>				:		_	_ļ
+++	+-	H	_	1		_	_					1	#		ļ	ļ	Щ			_		_		4	+	-	1_			į	-	_	
	+-4	4	4	-				_				-	-	-	\vdash	-	-					_		_	+	+	 		:	 :		-	_
	10	+	1			ļ				_		+-	-	_		-				_		_	- -	+	+-	+	1					4	\dashv
	\$5	+	-				\dashv					-	H	-		\vdash		-						+-		+		H		1	_		4
+++	╁┤	-}	+	-}							ļ	-	╟		\vdash	 		 	}		}			+	+	-	 -		 ÷		1	+	-
++-	+	$+\!\!\!+\!\!\!\!+$	+	ᆛ	\dashv		ᅱ	3	5			1	╟	\vdash				-		-				+	+-	+	+-				·	-	+
++-	┼┤	-	+	+		_	긱		\vdash	\dashv	_	+-	H		-						\dashv	<u> </u>		+	+	+	+		<u> </u>		\dashv	+	\dashv
1016	10	-7	\exists	7				=		\dashv	_	4			-	-	\vdash					_ <u> </u>		+	+-	+	-	1-	·	,		-+	-
1 1/3/2	71	\dashv	<u></u>	귀	寸	극		\equiv	Ħ	==	-	==	۲			\vdash	Н				ᅱ			+	+-	+-	+		;				-
+++	┼┤		+	-+					\vdash	_			 	-	 	-		닉	- i			<u> </u>	-+	+	+	+	1	1			+	+	
+ + +	╁┤		+	-						-						H								+	+	+	+	-				+	{
11	+-	\forall	廾	-}				_	\vdash			-	-		-	-		6	\dashv		_	<u></u>		+	+	+-	+	+				_+	-
1-1-1-	+-1	Ч	4	7	= {	-(┪	٧	4	5 4	-2	5	一	٢	C	-4	٦.	7					\dashv	+	+	+	+	1-				-+	-;أ
+++	†-	\neg	十	\dashv	\dashv	-	\dashv	_				-	۔			H		\dashv			-	-+	-+	+	+-	+-	┧		· !	<u> </u>	-	\dashv	_
111	$\dagger \dashv$	_	\dashv	7	\geq	\dashv	0	~ 6	5	3	ν	7	<u>. </u>	-	Н						-	-	+	+	+-	+	1	1—				-	
111	\top		Ť	T	7	- j		-			Ť	-										_		+	+	+-	†-			1 1		\dashv	
111	7		1	_†	1	丌	,						Г		_						i		i	\top	\dagger	+	t^-	_			1	_	-
1	1	7	۷Ť		7	4	-	_	П				<u> </u>								İ		T	†	T	 -	+			i	H		_
	I			i	ī	_											7					,		Ť	\top	Ť	1	1-		П		+	T
		_\		I	\Box		۵		2	3				1			2			,			Ų,	Ť	Ť	T	-	T			i	1	
		Į				_ 1	7			듸		_								_ =	2	Ü	иŢ		T	1	T	T		Ĭ		1	_
					ΞÌ		$[\cdot]$										Ų							1		Ī	T	1		i			
				[Ĺ		Ĺ										J	1	Ţ	ĺ		i	į i	١. ا		_
111		_]				\Box											L!		<u> </u>							I						\Box	
			1	1	ļ			<u> </u>	Ш	_		<u> </u>			L_						<u> </u>		\Box	\int		1			;			\Box]
1 1 1	_		_ļ	_!				L	Ц		<u> </u>		_	_	<u> </u>	<u> </u>				L						1.		-1	1	<u> </u>	ì		
	4	_	-	ļ	ļ	_					<u> </u>	<u> </u>		ļ	_	ļ 		.			-	_		_	1	1	1_	1_	<u>!</u>				
	-		-	ļ	_ ļ					_	_	_		<u> </u>		<u> </u>				<u> </u>			-	<u> </u>	1	4	-	1	<u>. </u>				
+ + +	-		ᆜ	_!	4	_		L.,			ļ	ļ	1	-	-	<u>!</u>	_	!	<u>_</u> _	!			<u> </u>	_	4	1	1_	<u> </u>	<u>:</u>	•—	!		
	-			_¦					_		_	 	<u> </u>		-	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>		!		-	-	+	-	1-			_	ļ	
[-{		+	_ 	_ {								1	-	-	-	<u>[_</u>		-	<u>'</u>	[(i		-	-	- -	<u> </u>				:		
	╁┤	Н	<u> </u>	_¦				<u> </u>] 		-	<u> </u>	-		<u> </u>	一	├	_		-		<u> </u>		-	+				<u>. </u>		!		
1			<u></u>	!			_	<u>:</u>	-		<u> </u>	1_		\vdash	<u> </u>	<u> </u>	<u> </u>	<u>!</u> i	<u></u>	-	1	} 		+	1	+	+	-1-		-	i :	<u> </u>	
1 1			- 1	$-\frac{!}{i}$	¦		-	!	-			 	<u> </u>	 	}	├	1	!	<u> </u>	<u> </u>	:	<u>!</u> {	! <u> </u>	+		+	-			<u> </u>	<u>:</u>		-
	- 		1	<u>!</u>			_	<u>-</u> -	<u> </u>		_	 	 	 	-		<u></u>		<u> </u>	<u>:</u>	:		1 1		!	+	!		. .	· 		<u> </u>	<u> </u>
i 1	1	1 1		<u>·</u>		:	<u> </u>	<u>-</u> -	 		_	İ—	-	 	Ī	i –	<u>. </u>	• • • •	; 	!	i	<u>!</u>	<u> </u>	- 1	 	+	-	- -			:	· 	<u> </u>
. †	1			_				<u> </u>	i –		<u></u>	-	H	╁	:	-	<u>-</u> -	<u>.</u>		<u> </u>			-		- <u>!</u>	+		+-	—			<u>: </u>	<u> </u>
	:		-	<u> </u>	_				-		 I	i	i	\vdash	<u> </u>	<u>΄</u>	·					_	$\frac{1}{1}$	<u>.</u>	+		-	+-	<u>.</u>			-	
111			_					<u>-</u>	<u></u>	-	<u>. </u>			+-	:	<u>-</u>	<u> </u>						: ! ;	-	÷	+			—			-	!
				_				_	_	p,	ер	arr	4 اي	w		-			_				T					<u> </u>					
										ļ.,	υμ	415	u t	-1		_							Ch	eck	ed	by							
										l						1		1		12	00		l					1		,	•	12	00

Project Detailed Design on Port Reactivation Project In La Union Province Project Code JC1N004/2N00 Work Section Title Socket black Pay Item No. (BOQ) 2C - 1804 Quantity Item Augle Unit			
Project Detailed Design on Port Reactivation Project in La Union Province Project Code JC1N004/2N Work Section Title Socket black Pay Item No. (BOQ) 2C - 180 4			JC1N004/2N001
Project Detailed Design on Port Reactivation Project In La Union Province Work Section Title Socket block F		Pay Item No. (BOQ)	2C-1804
Project Detailed Design on Port Reactivation Project in La Union Province Project Code JC1N004/2N001 Work Section Title Socket black Pay Item No. (BOQ) 2C - 1804			

Weight of angle for Soket block hole was computed by multiplying unit weight by length.

References, Calculation Base and Revisions

References: Tender Drowings:

DW-QN-01-059 Detoil of Inchor-Tock up Plote &
Socket Block

(Some as Sond (Socket Block))

Rev	Prepa	red	No. of	Chec	ked	Revie	wed	Superseded
1,704	by	Date	Pages	by	Date	by	Date	by Calc No.
0	Korla Gorcía			Hr. Journa		Hr. Ando		
1				-				
2								
3								

(I) NIPPON KOEI CO, LTD.

Project	Detailed Design on P	ort Reactivation Project in La Union	Calc, File No.	
Section	Socket Avale	block	Calc, Index No.	
Subject	Ausle		Page No.	Rev.
<u>i l</u>	. i			ences/
			Notes	
1111				
				_
		┼┼╂╂┾┼┼┼┼┼┼┼		
++++	╫╫┼			-
1 0.5				
- - - - 	-} 	 		
	- 	┖╌┋┋ ╄┼┼┼┼┼┼┼┼	╎┋╸ ┪╸ ╏╸╏	-
- - - - 				
1 0.53				
++++		┋╌╀╌╀╁╂╼┼╌┼╌╂╌╏╌╏		-
1 1 1 1	11 1 10/55			
+ + + + + +	4/1	1515 R = 151 X 2121		
++				
 	 	+ 		
	5025076	2 45 Jun 1 1 1		
1 1 1 1				
	-W-+-K-K	43 14 14 14 14 14 14 14 14 14 14 14 14 14	(9	1 .
	-{ 	╎╏╏╏╏╏╏╏╏╏╏╏		
 				
	WEAT			
<u> </u>				
		25/2/2/= 280		
	M/ F //			!- -
<u>i</u>	- 	 		
				
<u> </u>				
				
			!	
. 1 1 1				·
1 1 :				
				-
				: 1 1
: 1 :				
····	<u> </u>		hecked by	
		/ /200		/ /200

	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Socket block	Pay Item No. (BOQ)	20-1805
Quantity Item	Re-Bar	Unit	tg.

Weight of re-bar was computed by multiplying unit weight by length.

References, Calculation Base and Revisions

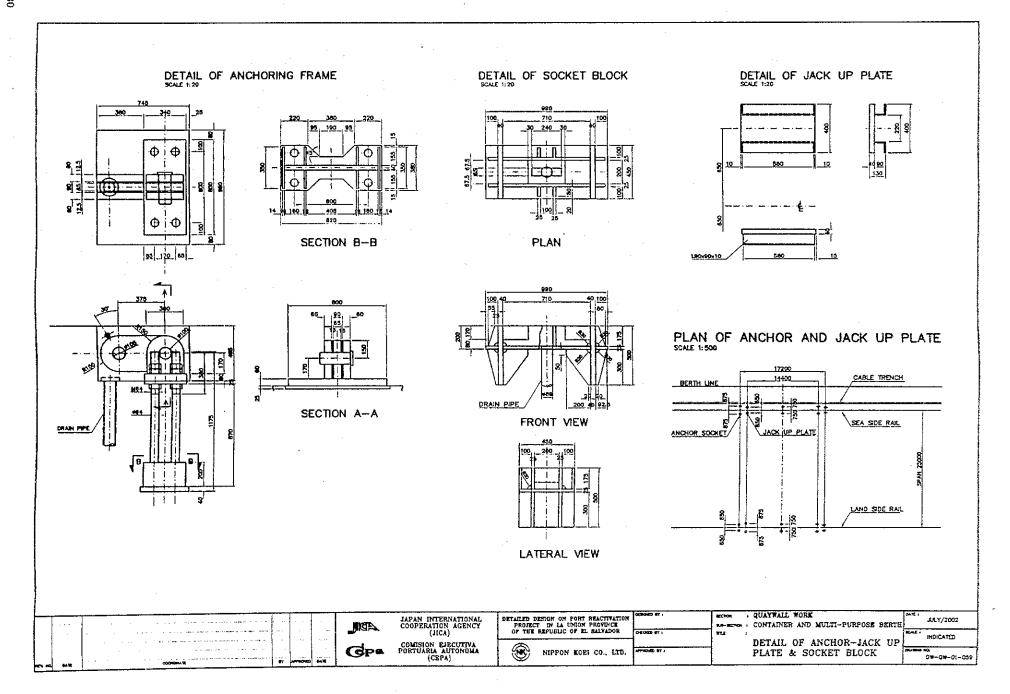
References: Tender Drawings:

DW-QW-01-059 Detail of Anchor-Tock up Plate &

Socket Plack.

(Some as Sond (Socket Block))

Rev	Prep	ared	No. of	Chec	ked	Revi	ewed	Superseded
,,,,,	by	Date	Pages	by	Date	by	Date	by Calc No.
0	Koila Genta :			Hr. Tnuma	<u> </u>	Hr. Indo		
1_	,	,						
2								
3								



(I) NIPPON KOEI CO.,LTD.

Sect	-		٠	ì	~~⊱	·~	1~	~		-	-		-																						
	ec		1	جلست		, Y	15	لميت			(ex	T	_												-					No.					_
		Ϊ			R	e-		B	ar	`															-				٥.		F	lev		_	_
++-	-	<u> </u>	1	-	<u> </u>		Ĺ	ļ				[ļ										- 1						Refer	ence	es/			
++-	+-	+	-	-	↓_	<u> </u>		<u> </u>	<u> </u>	<u> </u>		_		L	ļ					_				_	_		_			Notes			<u> </u>		_
i I	+-	++	+	1	<u> </u>	-	=	 	 -	<u> </u>	7			ļ										-			-		\vdash		<u> </u>	+	+		-
1	- -	+}	+	╁┈	 	-	 	╁	├-	_	+-											-		<u> </u>					-		_	+	+	+	_
	+	#	+	╁	+	-	 	 			H	-		-		١			ᅱ	닉	-		\vdash		!	\vdash			-			-	- -	-	
 -	+	#	†	t	-	 	 -	+			+			-		-		Н	-		\exists		\vdash						Н		+	+	+	+	
	+	⇈	†	T	T	\vdash	1-	1			1	-				-	-			\dashv			\vdash				\dashv		H	ij		十	十	+	ſ
!		\mathbb{I}		Ľ	Ī	Γ	[:	:	\dagger	_	7	ĺ
T	T	1	<u> </u>	\prod																												I			Ĺ
11	\perp	#_	<u> </u>	L	<u> </u>		_		ļ	$oxed{\Box}$	\Box	_			<u> </u>				_					_[Ц		i	\perp	_[_[Ĺ
	+		<u> </u>	1	<u> </u>	ļ	_	<u> </u>			\vdash			Щ	L.,						!			\dashv			_	L	Щ		<u>;</u> _	\downarrow	_	4	Ĺ
++-	+	#	+	\vdash	-	<u> </u>	-	<u> </u>			니			\sqcup	-		\vdash	\vdash					-			\vdash					!	-	- -		-
+ -	+-	╬	+	-			-	 -		$\left\ \cdot \right\ $	-			Н	H			\vdash		\vdash				\dashv	_				H	:		+	+	-	F
$\dagger \dagger$	+	#	1-	\vdash	\vdash		-	-	-	\vdash				Н			-	\vdash											H	 		+	+	-1	-
	1	#-	+	F	+-		Έ	-			_	\dashv		Н		-								_					\vdash		<u>-</u> -	十	+	\dashv	r
		T	L	L	(5	1				7																		:		十	+	٦	Ī
11	1	1																												1	1	1			
++	_	1	1	<u> </u>	<u> </u>	_	\perp	<u> </u>	1			\perp		0	_				ج) (إ د إ]	<u> </u>				\perp	\bot	_	
	-	1	-	4-			_′	<u> </u>	1	X		_	-	\vdash				È				<i>-</i> (\square		1	<u> </u>		Ļ			_i	1	-		-
+	+	1	-	-		_	-	\perp	<u> </u> -	<u> </u>		-		<u> </u>	\vdash	 	\vdash	H	_				┝┤		<u> </u>				1	 	,	 	4		1
+-	+	+	+	n	-	+-	3	} -	3	 	-	4	<i>_</i>	7				14	7	7	-	-	حا	-/	7	2		-	-		<u></u> -	<u>-</u>	-+		ł
$\dagger \dagger$	╁	十	\vdash	H	╁╴		+-	╁╴	 	1		\dashv	_	\vdash					_						_			\vdash	-		- ! -	+	+	-	ł
	<u> </u>	1	 	7	1-	\vdash	0	Ti	\	м		a	5	η	8	ව										Н		 	1		;	\dashv	+		-
T.	T	1		I		Ĺ																								;	i	寸	1		t
11	<u> </u>	1	Ļ	L	_	0	1	10	<u> </u>	6	3,	4	Š	M		L.																	\Box		ļ
++	+	+	+-	╀	1	\vdash	-	 	1	<u> </u>		_	_	_				<u> </u>				_		Щ	L_				<u> </u>	ļ		1	_		ļ
+ +	+-	+-	+	1	V	<u> </u>	-	<u> </u> _		91	3	ᇻ	<u>_</u>	×	2)	1	 X			7	=	_		 - (Ď.	۲,	17	1		- ;	<u></u>			+
++-	+-	+	 	ľ	Ť		-	1	 	<u> </u> 		\dashv				H	, ·	-		-	<u>[</u>	<u>L :</u>	<u> </u> 		<u> ``</u> `	1-	Ľ	1	1	 	:	4	}		ļ
	+	╁	+	╁╴	\dagger	-	\vdash	-		<u> </u>				 	\vdash	\vdash		 			<u>'</u>	-	<u> </u>		 	 		 	 		:	\dashv	+		t
	丁	Ť	十	T	t7			1	1	i		\dashv									ļ	Ì	1		 	 		 -			<u> </u>	十	\top		+
		Ι		\Box^{t}	V		Ī	[7																		İ		Γ	T	l		-†	_		t
	1	1.	Ļ		ļ_				ļ						L					-															Ĵ
	+	-	+	1	<u> </u>	_	<u>_</u>	1.	7	<u> </u>		4		Ļ	Ļ	-	/	_			<u> </u>	L.,		1				<u> </u>	<u>Ļ</u>			_[_		ļ
	+	+-	十	↓ ↓	<u> </u>	<u>1</u>	F	Τ.	1	_	E	식	<u> </u>	\vdash	۲	1	<u> </u>	-		_	۲,	2	쉬	Ľ	7	_	ļ	<u> </u>	Ļ	ļ	ì	4	4	_	ļ
	╁	╁	 -	 	+-	 	-	\vdash	-	<u>!</u>	님		\vdash	-	\vdash	_	 	<u> </u>		<u> </u>		ļ	H	-	ļ -	-	<u> </u>	-	1	<u> </u>	<u> </u>	-+			ļ
11	╁	†-	+	-	╁	╁	-		 	-	╎╴┤	-	-	 		-	-	<u> -</u>	-	-	 	-	-	-	<u> </u>	╁╴	 	1-	1	-	!	1	\dashv		1
	1	T	Ť	Ť	i	T	t	†	\vdash	 			\vdash	<u> </u>	-	i	İ			-	 	 	-	-	<u></u>	1-	 	 	-	 	1				1
	\perp	Ì		1	I	Ī	1	Ī		1					Γ	Γ		Ī		1			İ	Ì	Ī	İΤ	┰	1	i	†	1		_	-	i
1	ļ	1	1	L			[1						Ĺ	\Box				_		L]	Ī	Ī					_	
++	-	-	<u> </u>	+	<u> </u>	<u> </u>	į	į_	!	<u> </u>	_		<u>L</u>	<u> </u>	_	<u> </u>	<u> </u>	Ļ	_		_	1	1	1	L	L			Ĺ			:			
1 1	1	1	+	1	1	<u> </u>	+	•	<u> </u>	-	<u> </u>		<u> </u>	 -	╂_	-	!	ļ	1 -	!	<u> </u>	1		<u> </u>	Ļ	<u> </u>	<u> </u>	 	1	 	1 1		_		_
+	1	+	+	+-	+	<u>i</u>	+	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	-	\vdash	\vdash	-	1	<u></u>		ì	! !	1	<u>. </u>		<u>i </u>	1	<u> </u>	 	1		1 1	<u>i</u>			_
	 -	-	÷	<u> </u>	-	<u>!</u> i	:	i	1	<u> </u>	<u></u>	-	╁╴	╁	\vdash	! -	 	<u></u>		- -		-	! 		<u> </u>	:	<u> </u> -	Ł	-	 		-			_
	Ť	;	+	÷	 		;	-	;	'-	<u>!</u>		 	\vdash	-	! -	╁╌	•	:		<u>+</u> -	<u>:-</u> -	<u> </u>		<u>:</u>	<u></u>	!	1	:	\vdash	<u>· · · · · · · · · · · · · · · · · · · </u>		_	<u> </u>	_
ŦŤ	i	:	i	Ť	+	ŧ	1	:	:	.	<u>-</u>	Ī	İ	Ť	-	i		_			-	!		<u> </u>	į.		<u> </u>	<u>:</u>		1			:	<u> </u>	-
1	i	:		1	į	ī	7	:	i	Ī	<u>i_</u>	<u>. </u>	į		Ť	-	<u>. </u>	i	-	;		i	<u>i.</u>		1	- -	1-	İ	:	1					-
											Pr	epa	are	d i	Э									C	he	cke	dЬ	υ							-
				Т	Prepared by / /200										_	 				7		Т	7		/2	20	-								

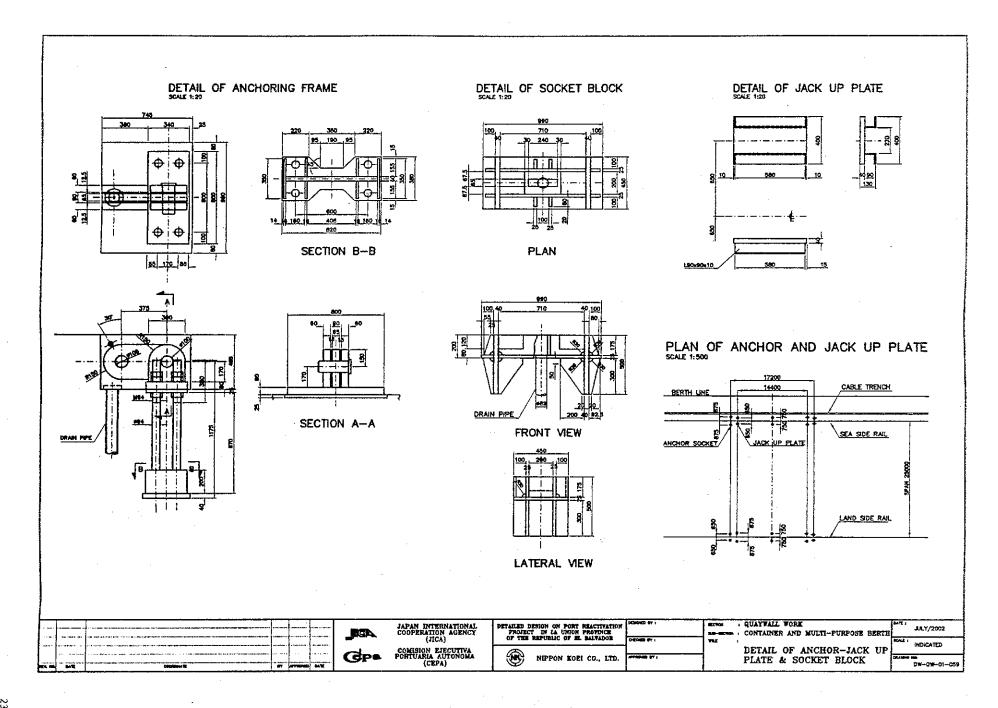
	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	Crane andoning frame	Pay Item No. (BOQ)	20-1901
Quantity Item	Sand	Unit	Mr³

8 holes were to be prepared for crane anchoring frame and to be filled with sand until safty device will be set.

References, Calculation Base and Revisions

Refines: Tinder Drawings: DW-QW-01-059 Ditail of Lincher-Tock up Flore & Socket Block

Rev	Prep	ared	No. of	Chec	ked	Revie	ewed	Superseded
	by	Date	Pages	by	Date	by	Date	by Calc No.
0	Karla Gará 🕏	1		Hr. Javma		Mr. Ando		
1		and the second	·					
2							····	
3				-				



(I) NIPPON KOEI CO, LTD.

			<u>\al</u>	Μē	2	Ω	ИC	W	, ∕3c	۱u	4		t	1		_						- [Ca	lc.	Inc	tex	: No	, 1					
			<					-						\sim		<u></u>	-	-						٠		-							
	-			5/	٦ ١ ٨	丛				~~~~~	J		7									T	Pa	ge	No),		- and a state of		Re	٧.		_
		,			<u>^.v.</u> !	دیکد				L				į			١		-		į						Ref	iero					-
																								_			Not	ies					
]		\dashv			L	1	-			 						1			4		4			_			<u> </u>	'	-	1	4	4	_
1 1	\downarrow	-	δ	_	/_	<u> </u>	L				-		L			<u> </u>	\dashv				-	\dashv	\dashv	-	_			<u>.</u>		-+	-	-	_
\vdash	-4	싀	\geq		┢	<u> </u>	-		-	Ι	-		K		-	-		_		\dashv	\dashv		-				÷	<u>:</u>		-+	-+	+	-
	7	7			Ϊ-	-		-	-		/			7	-						7	1	-						+	7	+	7	-
1	1			\bigcirc	77	5								Ż	1										j		i	T	i	1	7	٦	_
	1				<u> </u>				7	\angle	/_	ļ.	ļ.,	Ī.,	$\!$																		
	7	,4					=		7	7	l	, 	/	1	_	-	\dashv			\dashv	4	-	-	_	_			<u> </u>	i 	4	4	_	_
	4	_	1	$\overline{}$				-	<u>/</u>	/ -	7	7	_	/-	1	-	\dashv			_		-		-	_			-		}	-		_
1	\forall	4	7	<u> </u>	7	<u> </u>		7	1	<u> </u>	ľ		1	 	7-		H				+	+						+		-	+		_
	7				L				7	7	Z		/_	7	/													_	- 1		_		-
1	\prod		\Box		/		Z		/	1	Z.	1	Ĺ	1/2	_						_]	\exists						1		_		\Box	_
	4		\downarrow	4		/	 	\square	_/_	/	ļ	1	/		ļ	H	$\vdash \dashv$	_						_	_				- ;				-
+	-}	4			K	-	$\not\vdash$	-	 	۲	-	K	-				\vdash		$\vdash \vdash$	\dashv	$-\dagger$				_		-	\dashv			-		ŀ
	4	-	\nearrow			<u> </u>	7	H	-4		-		-	-					-			+		 		-		+	_į	1	+		-
		7	_	\leq																							- }	j		_†			ĺ
	\perp								<u></u>	_	L	L	L		_					[\Box	\perp	_]				_	-÷	i	_]	\prod		ļ
	\forall	_			<u> </u>		Ļ	-			<u> </u>	-	<u> </u>	_							-		-	_		<u> </u>	_		;			_	_
	₩	4	- 1	=	-	٢	1	7	\rightarrow	-	Ø,	8	-	ķ-	t	3	\overline{Z}	_	Н		\dashv	\dashv					L					. :	-
	\dashv	7			-	~	-	0	1	-		3		-			_		-		\dashv	_	-								-	_	ŀ
						C			1		Δı																	T	;				
	_	_{					igspace			_			_		_						_[_[_	⇤		_ [1
-+	N	Н	-	_	-	8		\vdash										_						\dashv			1-		~		$\dot{-}$		
++	Ť	`	-		<u> </u>	<u> </u>	-	\vdash	_	-	-	-													<u> </u>		ł	+				_	
		7			<u> </u>			7					7						,	, ,		_	3		-	i			j				İ
	V	7	=	[,,]		C	Ŀ	9	7	L	X	(<u> </u>				10	١.	Y	ન્ત		m	_						!				Ī
H	-	4				<u> </u>	-			 		L	<u> </u>	\vdash	<u> </u>			_			-11		_		_	<u> </u>		_			4		ļ
┝╁	-	-	- !		_	l I		_		-		-				<u> </u>			_			_			_	<u> </u>		\dashv	{		· -		ŀ
 	+				-	-				-	-	-	┢	\vdash					-						<u> </u>	-	1		i				t
											Ľ												_			Ĺ						_	t
	\downarrow	_			1	ļ	-		ļ	ļ	_		Ļ.	_		<u> </u>	<u> </u>	L]				<u> </u>	•					_	ļ
		\dashv	Н	ļ		1	<u> </u>	<u> </u>					-	-	-	<u> </u>	-	 -	<u> </u>	 -				-	<u> </u>	-	1	-		_	-	ļ	ļ
	-		\vdash		-	}			├	 -	-	-	 	-	-	<u> </u>		-			\vdash			<u> </u>	 	-				-	_	i	1
					Ĺ					I									<u> </u>					<u> </u>	1	-	1						-
						匚	\Box			L																i	1-						1
		_		Ļ_	<u> </u>	<u> </u>	-	-		 	-	-	-	-	 	 	-		-	_	L	_	<u> </u>		<u> </u>	<u> </u>	╀╌		<u> </u>	<u> </u>	<u> </u>	_	١
-+		_			<u>!</u>	1	\vdash	-	-	-	+-	-	<u> </u>	-	\vdash	<u> </u>	-	-	-	\vdash		<u> </u>	-	<u> </u>	<u></u>	<u>i</u>	1		1	<u>!</u>	-	-	
\Box	寸	Ti	H	<u> </u>	╁╴	<u>:</u> -	\vdash	1	-	-	†-	<u> </u>	T	1	+	 	 		 		-		-	_	<u>1</u>	<u>:</u>			-	-		-	1
	1				į											İ					<u> </u>				İ	i	I						j
	أ	_			<u> </u>	<u> </u>	Ļ.	_	1	<u> </u>	1_	<u> </u>	1	ļ	<u> </u>	!	Ļ	ļ	ļ_	<u> </u>	<u> </u>		_		-	!		:			_		_
1 1		_		-	٠.	!	_	<u> </u>	<u> </u>	╁	\vdash	-	<u>!</u> _	 -	<u>i</u>	!	<u></u>	1	1	ļ i	1	_		1_	 	!	1				1_	-	_
<u>, </u>	_ <u>!</u>			<u>. </u>		!	+	 	1	+	\vdash	+-	<u>!</u>	 -	+	1	1	!	<u>!</u>	<u> </u>	<u></u>	<u>.</u>	┶	╁	 	<u>!</u> _	1			-	<u>'</u>	! !	_
								Pι	ер	are	d t	υV									C	_		<u> </u>	•		1	_		~	<u> </u>	-	
						•		 	•			<u>-</u>		Т		,		10	<u></u>		۳		ne.	u L	,y		-		_			^~	-
										Prep	Prepare	Prepared to	Prepared by	Prepared by	Prepared by	Prepared by	Prepared by	Prepared by	Prepared by 1 1 12	Prepared by / /200	Prepared by // 200	Prepared by Cr	Prepared by Check	Prepared by Checke	Prepared by Checked to 1/200	Prepared by Checked by / /200	Prepared by Checked by	Prepared by Checked by / /200	Prepared by Checked by / /200	Prepared by Checked by / /200 / //200 / /200 / /200 / /200 / /200 / /200 / /200 / /200 / /200 / //200 / //200 / //200 / //200 / //200 / //200 / //200 / //200 / //200 / //200 / //200 / //200 / //200 / //200 / //200 / //200 / ///200 / ////////	Prepared by Checked by / /200	Prepared by Checked by // // // // // // // // // // // // //	Prepared by Checked by / /200 / /200

QUANTITY CALCULATION COVER SHEET												
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001									
Work Section Title	Crane anchoning frame	Pay Item No. (BOQ)	20-1902									
Quantity Item	Form for cover	Unit	M2.									

Area of form for eover was computed. This cover was to be separated into 2 parts

References, Calculation Base and Revisions

References: Tender Decembers:

Din-Gran - 01 - 279 Decimings:

Ender - Test on Place &

Ender Elack.

(Come as "Lond")

Rev	Prepa	ared	No. of	Chec	ked	Revie	ewed	Superseded
1100	by	Date	Pages	by	Date	by	Date	by Calc No
0	Kola Genco	7		Hr. Troma		Hr. Ando		
1								
2								
3								

(I) NIPPON KOEI CO.,LTD.

Project		ort Reactivation Project in La Union	Calc. File No.	
Section	Change and	noting frame	Calc. Index No.	
Subject	Form for	coven	Page No.	Rev.
				ences/
			Notes	, ,
			1 1 1 1	
+		 		
1 1 1 1 1 1		┞┈┞═┇╂ ┧ ╟┈╏╸╏╸╏╸╏╸╏╸╏╸		
111.11				-
045				
				i
+			 	
+ + + +				
0,45				
	1 0,84			
 		┞╃╃ ╬┦╀┤╎╎┦╿╎╎╎		
 				
 		┤ ┼┼┼┼┼┼┼┼		
1111	11 - (0.45 ×	2+884) * 005 *	J	
 				
+	+ 0.9 ×	0.85		
 				
	J= 1/0,B/	 		
 				<u> </u>
- - - /	<u> </u>			
 		╎┈┈┈┈┈┈┈┈┈┈┈┈┈┈		<u> </u>
	4 - 1, 2 3	X P S P S M M T	 	
1 7		1× 0+ 1+ 0+ 1+ 1+ 1+ 1+ 1+ 1+ 1+ 1+ 1+ 1+ 1+ 1+ 1+		
 	- 			1 1 1
++++		 		
++++				
1 1				
		 		
++++				!
++++	 - - - - -	┤╏╸┪┋╏╸┩╸╏╶┆╶╏╶╏╶╏╶╏		1 1 1
				
	 	 	- - - - - - - - - - - - - -	
1				
++++				
		Prepared by Ch	ecked by	
		/ /200	<u></u>	/ /200

-	QUANTITY CAL	CULATION C	OVER SHEE	T	
Project	Detailed Design on Port F in La Union P		Project Code	JC1N	1004/2N001
Work Section Title	Crane anchanin	ig. frame	Pay Item No. (BO	Q) 2c -	1903
Quantity Item	Concrete for	cover	Unit		W₃ .
Calculation Procedu	re Applied		· · · · · · · · · · · · · · · · · · ·		
Lam	e of concrete je	ah conel me	is computed	1	
		•			
			*		
		•		2	
	•				
References Calcula	ion Page and Davisians				
	tion Base and Revisions				
Kerana	Trade Econicas				·
Kerana			Jacop Flok	, 2 C.	
Kerana	Trade Econicas	l of Lorer -	Tow on Flok		; c.l.
Kerana	es: Train Biomicas N - 01 - 083 Data	l of Lorer -	Take on Plak	2 Cur	<i>c</i>
Feriana 571 - 97	es: Train Biomicas N - 01 - 083 Data	l si Lothor -	Tow on Plak		· ·
Feriana 571 - 97	es: Toda Diomicas N - 01 - 053 Dabi Plack	l si Lothor -	Tow on Plak		· · ·
Feriana 571 - 97	es: Toda Diomicas N - 01 - 053 Dabi Plack	l si Lothor -	Jac up Flok		c -
Feriana 571 - 97	es: Toda Diomicas N - 01 - 053 Dabi Plack	l si Lothor -	Tax on Flok	2 Cur	
Feriana 271 – 27	es: Toda Diomicas N - 01 - 053 Dabi Plack	l si Lothor -	Ju on Plak		
Feriana 571 - 97	es: Toda Diomicas N - 01 - 053 Dabi Plack	l si Lothor -	Tax on Flok		c
Feriana 571 - 97	es: Toda Diomicas N - 01 - 053 Dabi Plack	l si Lothor -	Take on Plak		
Feriana 571 - 97	es: Toda Diomicas N - 01 - 053 Dabi Plack	l si Lothor -	Tow on Plak		
Figure 9	20: Toda Diculeac N-01-053 Irbi Plack	(of Irror -			
Ferian 1	20: Toda Diculeac N-01-053 Irbi Plack	l si Lothor -	Revie		Supersede by Calc No

 $FN: Calculation_Cover_Sheet_020504_seg\\ cover$

.3

(I) NIPPON KOEI CO.,LTD.

Pro				Detailed Design on Port Reactivation Project in La Union Calc. File Chane anchoning frame Calc. Index Concrete for caver Page No.									ļ				E¥4°																			
Sec						<u></u>	av	le.		, M	<u> </u>	ēΣ	ľ	2		E	ar	ne							ومحاسبتي	_[Ca	lc.	Inc	lex	No.				-4-4-	
Sut	oje	eci	t			(_ 	nc	 _/•	≥7e	>	R	1	υ- -	Δl	ı rei	7										Pa	ge	No),			Re	v.		
	_				L	L						<i>y</i>		L L	Ľ	Ĺ	Ĺ					1							_		References/					
	<u> </u>							1	i _														į			1		į			Note					
_	_							L_	<u></u>						_						_						-									Į.
-		_	F	-		-	-	_				_	1	_		_	<u> </u>	ļ				_	1			_		_							_	ļ
	ļ	-	-			-	 	<u> </u>			_	_	H-	┦	-	-	├	 		Ĺ	<u> </u>	\dashv	-			\dashv										1
$\dashv \dashv$	<u> </u>	-	╁	-		-	-						+	H	-	-	-	Н			-	-	\dashv				\dashv		!	-						ŀ
Φ.	ય	F	\parallel	Г			-		\vdash	Н			+	H		Г	┪	<u> </u>								_	-	1	1	Н	:					ł
~																											j									Ì
_ _	L.	<u> </u>												Ц	L	_	<u> </u>				_	Ц														1
+	<u> </u>		-	-	===	===	=	<u> </u>	-	H		=	#	4	ļ	-	_	-			-	4					_	_		<u> </u>		با				ļ
	\vdash		+	-	-	-	-	-	-			<u> </u>	+	+	-	-	-	 	-		\dashv	긕	\vdash	-	$\vdash \vdash$		-				<u> </u>		-			+
+	١.,				\vdash	\vdash	 	\vdash		H	-		+			\vdash	T				+	\dashv	\dashv			\dashv	一 ¦			\vdash		-		\dashv		t
a	1			·																													i			ţ
		_	Щ	Ļ.		Ĺ	\Box							\prod				ļ_	<u> </u>																	Ţ
+	-		-	_		L	0.	8t		⊢╣	\sqcup		\Vdash	1	<u> </u>		ļ	$\vdash \vdash$				\dashv	_{	-		{	ļ	_			,	[! -	!			+
+	h /) <u>5</u>	1						-					Ŋ-	\vdash	-	\vdash	-						_	 				<u> </u>		<u> </u>	<u> </u>		<u> </u>		ł
†1	-	ĺ		 		\vdash					_			1	 	\vdash	-	1	 				-			\neg					 -	-	:		_	1
																	Ĺ															İ	: :			j
1	<u></u>	_		1	,	L							_	f	-6	L,				٦												Ĺ	:			Ī
			_	V	1	<u> </u>		<u> </u> _	0	14			0	4	7	\vdash	Ĕ-	\Box	10	7	\dashv					Ц	_		 	<u> </u>	<u> </u>	1	<u> </u>	ļ	L	4
+	<u> </u>	-	-					-	┢	2	-	. (_	-	[,	3	\vdash					_			\vdash				<u> </u>		·	 _	<u> </u>	-	_	
\top		H	-						-	2	_	7	<u> </u>	¥	4	H	-	 	<u> </u>						\vdash				-	<u> </u>		╁╴	-	-	\vdash	1
																													i	<u>. </u>		†-	İ			1
	_	_	_	l.,	,			١.,					<u>_</u>		L.	_	L			Щ								_				<u> </u>	1			1
-	-	-		1	V	-	-	2	7.		ļ			<u> </u>		ļ	_	_	<u> </u>			!						_	<u> </u>	<u>l</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	_	4
	<u> </u>			<u> </u>	-	-	_			<u> </u>	H		-	├	-	┝		<u> </u>	\vdash									_	<u> </u> 	<u>!</u>		-	!	-		$\frac{1}{2}$
	<u></u> -		 	T	/	=		<u> </u>	っ	7	4	Ź		×	-	P	╁		7	7		Ĵ			n	75	-	_	-	<u>: </u>	 	-	!	<u> </u>	<u> </u>	-
				V										<u> </u>		_			t	_				j					<u> </u>	<u>.</u> !	:	 	1	-		1
\perp	_	_	_		_	<u> </u>	L		<u> </u>				ļ	L	_	L.	ļ	_	<u> </u>					Ĺ_					_	L				Ŀ		
	<u> </u>	-	<u> </u>		-	 	├-	\vdash		\vdash	_	_	-	-	-	<u> </u>	ļ	<u> </u>	-]	_		H	_			<u> </u>		ļ	<u> </u>	 	<u> </u>	<u>i.</u>	-	-	4
+-		-	-			-			├-	-	\vdash		-	-	-	\vdash	-	-	! 	<u> </u>		<u> </u>	-	-	<u> </u>	L	-	-	<u> </u>	į		-	-	 	-	-
+		İ -				\vdash	 		十	-	-	_		-	\vdash	 -	1	 		<u>. </u>		_				!		<u> </u>	ī —	i I	 	<u> </u>	 	+-	-	4
									Ī							L.		L	1										<u>.</u>	İ						_
-	<u> </u> _		<u> </u>	<u> </u>	_	_	_			ĻŢ		_		<u> </u>	L	1	ļ.,	L	<u> </u>						L_		\Box		÷	<u> </u>		Ţ				_
	-	i .	<u> </u>	_		-				 	-		-	├—	-	\vdash	\vdash		<u> </u>	l i		<u></u>	<u> </u>		1	<u> </u>	<u> </u>	<u> </u>	<u> </u>	†	<u> </u>	1	!	<u> </u>	 −	-
_ _	 	 		-		-	-	 -	-	 	\vdash	-	-	-	\vdash	-	 	+	l	<u> </u>		-	-	\vdash	 	<u> </u>	<u>!</u>	1	<u> </u>	i		!	 -	┼-	-	-
		Ĺ	<u> </u>		L					İ-	<u>. </u>			 		\vdash			<u> </u>	l		<u> </u>			1	1	-	<u>-</u>	-	<u>:</u>		 	†-	╁╴	╁	~
i		L			\Box		Ĺ										L	\Box	Ĺ				<u> </u>	Ĺ		L.	<u> </u>		·				į	1		_
	<u>:</u>	-	<u> </u>	<u> </u>	-	1	 -	<u> </u>	<u> </u>	1_	<u> </u>	_	<u> </u>	 	_	<u> </u>	Ļ	<u> </u>	<u> </u>	<u> </u>		<u> </u>		<u> </u>	<u> </u>	1	1	1	1	:	<u> </u>			1	L	_
1	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	1		<u>!</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	\vdash	\vdash	+	1	1	<u>1</u> i	!		_	<u> </u>	<u> </u>	<u>!</u>	<u> </u>	-	<u> </u>	<u>i</u>	:	 	<u>†</u>	<u> </u>	+	-	٠.
- - 	<u> </u>	j	-	i	<u>.</u> 1	 	-	-	!	-	-		-	\vdash	\vdash	\vdash	! -	╁-	 	 	i — -		<u>.</u> i	 	i		;	<u> </u>	-	:	\vdash	_	: 1	<u>!</u>	$\frac{\perp}{1}$	-
1	Ĺ		<u> </u>		<u> </u>	<u> </u>		1		<u>†</u>	_		<u> </u>			1_	Ì	T	i	i		1	ì	i I	; —	-	-	<u>.</u> j	j	:	1		- <u>!-</u> -	j	+	~
1	<u> </u>	!		<u> </u>			Ξ			1		_	\Box				Ţ	Ļ	4		i		_						I	:		_	1	;	Ţ	_
: ;	!	-	:	<u>:</u>	1	1	ì	:	ţ	<u>!</u>	<u> </u>	<u> </u>	ĺ	<u> </u>	<u>_</u>	<u>. </u>	!	ļ	<u> </u>	i .	1	<u> </u>	į	1_	<u>:</u>	į	:	<u> </u>			<u> </u>				I	_
					,					_		P	ep	are	d l	ЭУ									С	hec	ke	d t	ЭУ							_
																				1		/2	00		-		•					1		/2	200	j

	QUANTITY CALCULATION COVER SHEET												
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001										
Work Section Title	Crane anchoring frame	Pay Item No. (BOQ)	20-1904										
Quantity Item	Angle	Unit	bg.										

Weight of angle for holes of crane anchoring devices were computed by multiplying unit weight by length.

References, Calculation Base and Revisions

References: Tender Drowings:

15W-QW-01-059 Detail of Anchor- Jack up Plate & Socket Block

(Some as Sond)

Rev	Prepa	ared	No. of	Chec	ked	Revie	wed	Superseded
	by	Date	Pages	by	Date	by	Date	by Calc No.
0	hala Gorga			Hr. Inuma		Mr. Ando		
1								
2								
3					· · · · · · · · · · · · · · · · · · ·			

(ITD.

roject		rt Reactivation Project in La Union	Calc. File No.
Section	Crane ancho	oring frame	Calc. Index No.
Subject	Angle		Page No. Rev.
			References/
			Notes
╅			
 			
	├─┼─┤ ╌┤ ┤		
1091		╒┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋	
	 	┝═╁╀┋═┦╌╏╌╏╌	
┼┼┼┼		┞╼╂╂╌┼╌╂╌┼╌┼╌┼╌┼╌┼╌┼	
 		╘╸ ╁┼┼┼┼┼┼┼┼	
	1085		
++	4 = 0.7	xx + o at x2 = 3 5	ma .
	+4++4		M .
<u> </u>			
	3025026	THE PROPERTY	
			
┼┼┼	W/ = 2/3	X X X X X X X X X X X X X X X X X X X	
-]
+++	MIR		
 			
	-W-+	5 x 8 1 = 11 / 3 / 10 /	<u> </u>
			14
+++	 	 	
+++-	 	┠╫╫╬╬╬	
111			
┼┼┼┼		╏╏╏╏╏	
 	 	┠╶╏┈╏┈╏┈╏┈╏┈╏┈╏	
<u> </u>		 	
+++			
+++			
			cked by
		/ /200	/ /20

	QUANTITY CALCULATION COVER SHEET												
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001										
Work Section Title	Crane anchoring frame	Pay Item No. (BOQ)	20 -1905										
Quantity Item	Re-Bar	Unit	k3 .										

Weight of re-bar was computed by multiplying unit weight by length.

References, Calculation Base and Revisions

Remove: Tender Drowings:

1-11-12-11-01-05 Icharl of Jairon - Tescep Plate & Intel Elick.

(Some as Sond).

Rev	Prepa	red	No. of	Chec	ked	Revi	ewed	Superseded
1107	by	Date	Pages	by	Date	by	Date	by Calc No.
0	Konla Garúa			Hr. Tnuma		Hr. Ando		
1					<u></u>			
2								
3								

(I) NIPPON KOEI CO.,LTD.

Project	Detaile											La	<u>Un</u>	ion				Ca	lc.	File	N	o	<u> </u>			
Section	(<u>ran</u> e	<u> </u>	3NC	wh	ìne	1	fn	au	<u>ve</u>								Ca	lc.	Ind	ex	No.				
Subject		Re		Bo	(Y		,	,		_								Pa	ge	No.				Re	V.	
i i !				اد					į					:	į	. !						Refe	ren	ces	:/	-
1 1 1					1	\perp	\mathbf{I}													1	1	Vote:	S			
	-	44	11			-	_				7		<u> </u>	-	<u> </u>			_	4		_ .				-1	_
╌┼╌┼╌┼┈┼┈		++-	4+					H		2	Y			 	<u> </u>		_			1	- -	; -				-
+		1	+	+		-	+		4	$\geq \frac{1}{1}$		Ť	+	+-			{			\dashv	-					
1117	7.7	4+	-	+	1	+	17		abla		1	÷	1	\vdash	\vdash						+	-	.	-		
							X															i				
	$ \mathcal{L} $			_		X					إ.	\perp	4	1	Ļ				_	_	\perp	į				
+++	1-1-1	6.8	毕		1-1	$\langle \downarrow$	ļ.		-		\dashv	4.	-	╁	-			-		4		1			-	_
					Kt	+	+	Н	-		\dashv		+-	\vdash	┼			-t	-{	+	-{	+			-	-
1 1 1 1	 	1/1	$\dagger \dagger$	<u> </u>	H	+	+-					†		T	-		1		-	<u> </u>	1	.			\vdash	7
Ţ												1		İ												
		$+\overline{1}$	╽,	, (þ Į	<u>,</u>	4	<u>_</u>	إح	_ [$\frac{1}{1}$,إح	4	_	L		Ļ	أِي	Ī	1	_[_:	1			Į
	 	1=	12	'\	1	+		\vdash		\ 4	4	4	+-	-	F	12	1	7	n	1 .	-	<u> </u>	<u> </u>	:		
1111			++	+.	-	+	+	H	\dashv		\dashv	+		╁	\vdash	\vdash	\vdash		{	+	+		+			+
 	9	*F	19	1	n	1	3	7	٥	9	_†	İ		<u> </u>	İ					i	1	-	 			1
111						1		П			\Box	\perp			\Box						1	:				
++++	 	P	12	2 7	4	4	W	1				-	+	1	<u> </u>	_	\square		_	-	4	<u></u>	<u> </u>			_
+ + + +	+	++	++		 	+	+	H		-	- 	<u> </u>	1	╬	-	<u> </u>	$\left - \right $				4	:	1	<u>:</u>	-	
 	111	1=	13	7.	+	7	Ø,	긤		=	$\frac{1}{\lambda}$	7	247	+	⇇	5	7	P		-	+	.	1			{
		1-	17	` -	1	1	\top			1										Πİ	1		Ť	! !		
		ŢŢ		\perp									Ţ	Ţ					O	60		;		ì		
		<u> </u>			21	7 (<u>۱</u> >		2		<u> </u>	<	7	4	"		2)ر	Ζ,	K o		<u> </u>	<u> </u>	<u> </u>		
		++	+-+		╁┼	+		\vdash			+	+		-	+	_			-	0			-	i i		
1 		7/-		\$			+	H				÷	- -	╁-	 	-	<u> </u>					.	1	-	-	{
	1	1		0								Ĺ		Ī							1		1	!		
		11	4-4			9				1				1	Ļ	<u> </u>								!		_
111-	╄-┼-	W		10		7	×	14	 	H	-/	4	2	1	E				ļ			*	$ \downarrow $	-		
 	 	1 1	+-+			}	-}	H				-	+	╬-	10	}	<u> </u>	 	-	1	-	_ i-		<u> </u>	 - 	_
	† † †	11	11		11	+	1	П	П		1	i	 	Ť	\dagger	H			 	H	7		-	-		_
							\perp					Ţ			I							:	I			
	1 					-	+	\dashv	<u> </u>	Н	1	-1	+	+	+	 	-	-	<u> </u>	H	_	• .	1	<u> </u>	-	
++++	$\frac{1}{1}$	+	++	+		+	+-	\vdash	-	├┤		\dashv	+	1	+	-	<u> </u>	-	-				 -	-	-	L
† 	† † †	++	++	+	-	+	+	Н			1	+	i	†	+	┼-	†	i	 	H	J	:- -	+	+	\vdash	-
				工		I						i	Ī			1							Ĺ	Ī		
444	<u> </u>		\prod	_ _			\perp		L			<u> </u>	-	1	<u> </u>	<u> </u>	1	ļ	1		~		İ			
	+ -		+ +		╀			\vdash		-			<u> </u>	-	+	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	_	:	1	1	<u> </u>	<u> </u>
<u> </u>		11	++		+ +	+	+		<u> </u>	╁┤	$\vdash \vdash$	- <u> </u>		1	1	-	+-	<u>!</u>	 	1 :			!	<u>!</u>	+	-
<u> </u>	T 1. T	++	11	+	$\dagger \dagger$	+	+	1	ļ -		H	1	- 	1	1	†	+-	-	 	1			-	+	 	+
		i [I						÷		Ξ	i	ļ	;	1	<u> </u>				-	i		
1 1 1	1 1	-	1	1	igspace	_	\perp					ţ	!	į	1	<u> </u>	•		!	1 .			7	i		Ļ
		<u> </u>	1 1		<u> </u>	+	+	+	:		!		_ <u> </u>	1	- <u> </u> -	<u>:</u>		:	<u>:</u>	÷		ļ		:	- -	1
		- 1	<u> </u>		╁┼	1	+		<u> </u>	 		- 1	-	1	1.	1	!	:	÷	-	:	-	-	-		+-
			<u>`</u>		Pre	par	ed l	bv						-		т	her	- - -	d l	·						_
					+	,- -		·-		Γ-		/	14	200		۲	hec	-v6	u C	ιy			- -			
					_				_	L		<i>'</i>	- /-	4 U U	<u>_</u> _	L									12	00

	QUANTITY CALCULATION COVER SHEET												
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001										
Work Section Title	FENDER	Pay Item No. (BOQ)	2c - 20										
Quantity Item	TYPE - A	Unit	Sets										

Fender was to be set in front of opron for Mullipurpose Eath. See attached drowings.

References, Calculation Base and Revisions

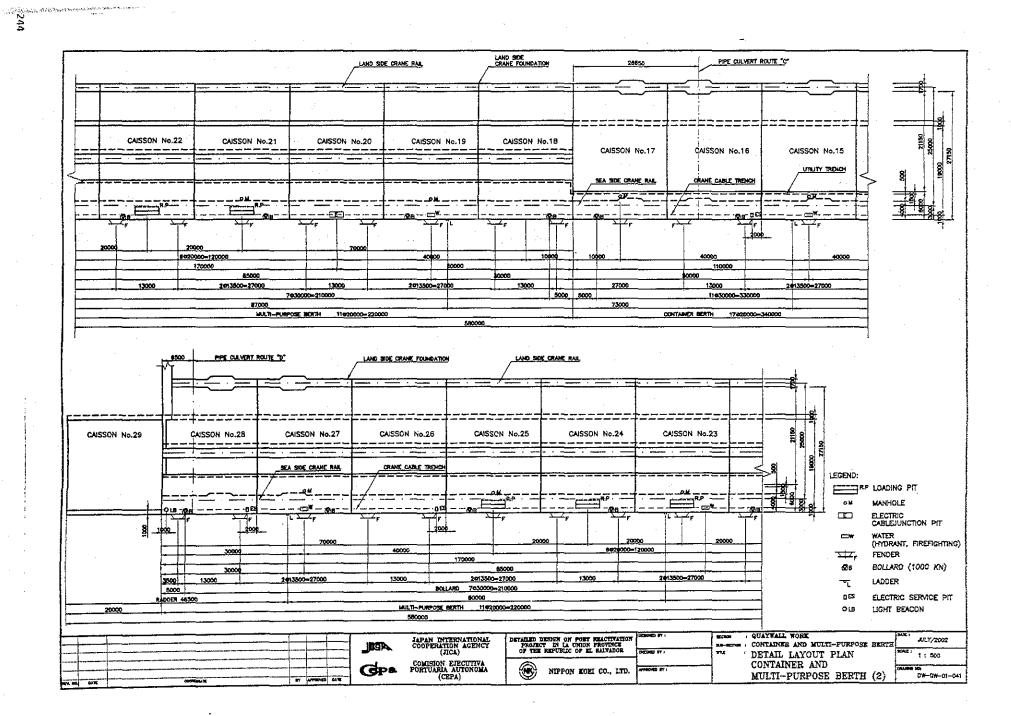
Reimmoes: Indu Irousings:

EVI - 2111 - CI - OH Tetail layout Plan Container and Multiperpose

Evila (2)

Rev	Prepa	ared	No. of	Chec	ked	Revie	ewed	Superseded
1101	by	Date	Pages	by	Date	by	Date	by Calc No.
0	Mala Ganúa	4		Hr. Jauma		Mr. Ando		
1	,							
2	·						·	
3	,							

FN: Calculation_Cover_Sheet_020504_seg cover

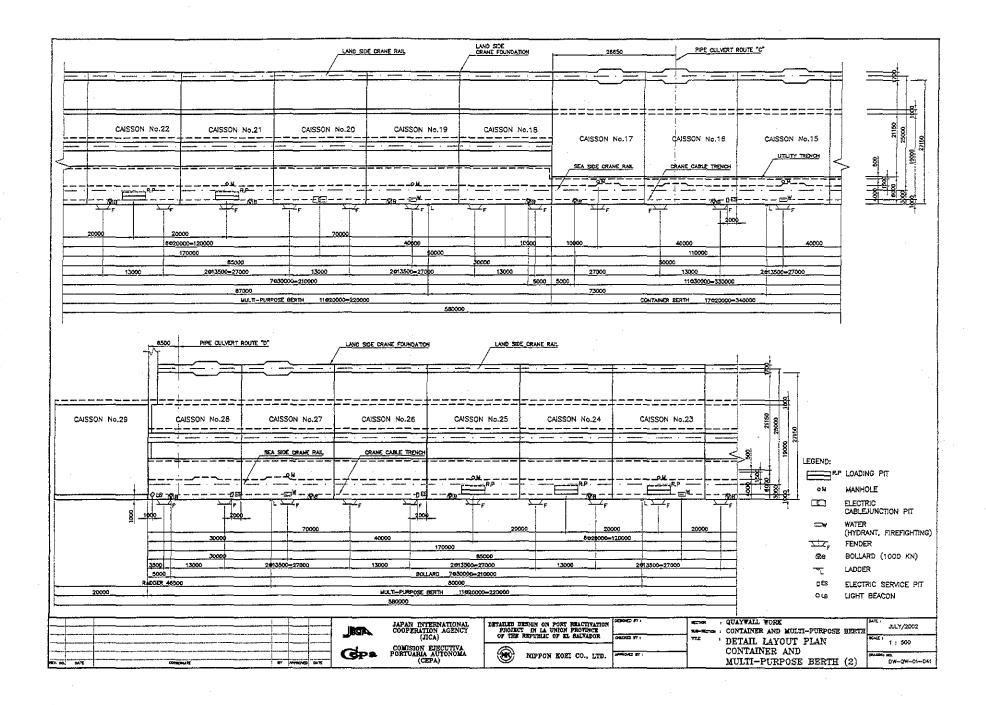


NIPPON KOEI CO,,LTD,

Pı	rC	jį	90	t		De	tai	led	D	esiç	gn	on	Po	rt F	lea	acti	va	ior	P	roje	ect	in I	a l	Uni	on			_	Ca	alc.	Fi	le I	Vo.			-			-
S	90	ct	ic	n								12						·					-							_	_	_	(N		T	-			
Sı	ul	bi	e	ct								- /	4										****		~~~					ige			. 14	<u>.</u>	L.,				
 		- <u> </u>	<u> </u>						1		l	<u> </u>				1	Ī	<u> </u>		i	1					i				iye	1). 	<u>ت</u>	of C	ron	ice	€V.		
		+	+	7			-	-		-	-	一				-	-			H	 	\vdash		ļ		-	-	-	-			 	No	ote	ren S	ice	S/ .		
			Ţ						_																					1	<u> </u>			Ī	Ť	T	T	Ī	Π
_			1		_		١	<u>.</u>	1	L	Ļ	7					_		L																		T-		
-		╀	4				<u>) </u>	=	F	_	ᆣ	<u>'</u>				ļ	ļ	<u> </u>	<u> </u>	<u> </u>	ļ	_			_	L			ļ	L	<u> </u> _			Ĺ					
		╌	+					-	-				F	<u> </u>		L	ļ		ŀ	-	-				-		ļ		<u> </u>					<u> </u>	_	_	ļ		L
┪		-	+	-				<u> </u>		 -	-	-			-	-	-	 	-		-	_		-		-	_		├	-	-	-	-	-	-	-	ļ		-
		+-	+	1					┢┈	 	-				┢		-		-		-	H								┝	-	┝	<u> </u>	-	-	-		H	-
															-	<u> </u>	_								 	-	-			T	-	-	r	-	 - -	-	-	-	H
		L			_																												-	_		-			-
		┞-	1	_ļ			ļ	ļ	L	ļ	_	ļ			_	ļ		L.			L	Ĺ.,																	
	_	+	+			-	⊢	 		-	-		٠			-		-		-			 			_			├	_	_	_	<u> </u>	_	_	_		\Box	
		╁	+	-		-	-	-	\vdash	-	├-	-		 		-	-		-	-		-			<u> </u>	-	\vdash	 .	-	<u> </u>	<u> </u>	L.	<u> </u>		-	╄	[_	<u> </u>	Ļ.
	-	\dagger	+	-		-	-	-		-		 -	-	-	-	├	-			-	-	\vdash					\vdash		\vdash	-	⊢	\vdash	-		├-	-			-
		T	†	-		T			 	1		\vdash					-	-		-		-				-			-	-	-	-	┞	-	-	-	-		\vdash
		T	1																			Г					П			-			<u> </u>		-	 -			-
_		1	1		_	<u> </u>		lacksquare	1			<u> </u>																											
_	-	+	4		ļ	<u> </u>	<u> </u>	ऻ॒	ـ	<u> </u>		<u> </u>	<u> </u>	_	_	ļ	<u> </u>		<u> </u>	<u> </u>	<u> </u>			<u> </u>		<u> </u>			L.	ļ			L						
	-	+	-		\vdash	├-	 —	├		\vdash	-	-	-		_		_	<u> </u>	<u> </u>	-	-	-	<u> </u>		-					ļ		<u> </u>	L.	<u> </u>	_	 _	_		_
		-	+	-	\vdash	-	├-	-	-	├	├-	-			-	-		-		-	⊢	ļ	<u> </u>			ļ				_	-	ļ	-	<u> </u>	L	<u> </u>	<u> </u>		L
		╁╴	┪		-		-	├-		 	-	 		\vdash		├-	-		-	-	-			-	-	┝			\vdash	-		-		<u> </u>	-	-	ļ	\vdash	L
		†	7		-			† -			-		-		· ·	 	-		\vdash	-	├-		-			\vdash	H		<u> </u>	┝	-	Н	H	-	-	-			H
					L																			:						-	_	-	-		-	┢	_		-
	_	┸	_			<u> </u>			L																							<u> </u>			\vdash	┢	┢╌		
		\perp	-	_	<u> </u>		_	-	↓_	L	ļ.	_			_	L	_		ļ	L.	L.			_															
		╁	4		<u> </u>	<u> </u>	ļ	-	┢	<u> </u>	├-	_	_	<u>_</u>		_	_	<u> </u>	_	ļ	_	<u> </u>		_		_				L.			L			_			Ĺ
		╁	┪	-	-	 	├	-	┝	ļ	├-	-	-	-	 		-		\vdash	<u> </u>	-	_		H		-			_				-	<u> </u>	 	-	_		-
	H	+	+		┝			-	\vdash	-	-	+-			-		-	_	<u> </u>	-		H	-		H		-	_		-	-	-	-	<u> </u>	-	_	-	\vdash	H
		Ť	T			Γ	Г	\top	1		1		\vdash		-	-			_					Н	-				-				H		H	-		H	H
										L																				-		П			<u> </u>	\vdash	-		
	L.,.	1	1	_	L	<u> </u>		_	ļ	<u> </u>		_	_		<u> </u>	<u> </u>	L		L		_																		
	-	+	-{			\vdash	 	-	} -	-		 	├	_	-		<u> </u>		-	-		_		Ц									L.		L				
		+	+		\vdash	\vdash	-	+	+	+	-	\vdash	-	-			-	-	\vdash	-		\vdash		\vdash					-	 	<u> </u>	Н	L	<u> </u>	<u> </u>	<u> </u>		\sqcup	L.
	-	t	+	-	-	\vdash		\vdash	-	-		+-	-	-		H	-	-	-	-	-	\vdash	H	\vdash		-	H		H	-	-	\vdash	-	-	\vdash	├—	<u> </u>		
_		1	1		\vdash		<u> </u>		T	Η	1	T				-	<u> </u>		Г	<u></u>					H		H				H	H	-	\vdash	 		-	\dashv	
																											Н			-		H			 			-	
	_	\downarrow	_[\Box	Ĺ	$oxedsymbol{oxed}$		1	\Box		L																											
_	L	1	4		ļ	ļ	_	-		\vdash	┞-	 	_		_		L		_	_	ļ	ļ	<u> </u>																
	<u> </u>	╀	-			 	-	-	┞	\vdash	╀	 	-	<u> </u>	<u> </u>	<u> </u>	<u> </u>	_	\vdash		-					L			<u> </u>	_	_	\sqcup	<u>.</u>		_			Ш	<u> </u>
		+	+		-	\vdash	\vdash		-	\vdash	-	 	-			-	-			-		-	\vdash	\vdash	-	-	\vdash		Н		ļ	-		<u> </u>	<u> </u>	-	Ц	\sqcup	 -
_	_	+	+			-			†	\vdash	1	t	 	\vdash						 	 	-			-	-	\vdash		\dashv			\vdash	\vdash				\vdash	\dashv	_
		T	_			Γ			1	\vdash	1				-				Ι-		\vdash			Н	П		H		Н			H	-		-	 -			ī
									L		L		Ĺ																			H		П	 				Г
		1	4	_	ļ	<u> </u> _	_	_	L	ļ	_	ļ	_	_	<u> </u>	ļ	L		L		L				Ш														Ĺ
		+	4			 		-	-	\vdash	┼	-	-		-	<u> </u>	<u> </u>	<u> </u> _		<u> </u>	_		_	Ы				Щ	_		ļļ				L				_
_		_		_					1	<u> </u>	1	<u> </u>	Ł.	_			<u> </u>	<u> </u>		_	<u>. </u>			ш			1						L_		_	;			_
				_			_							125	epa	are	d b	y									Ch	ec	ķec	1 b	<u> </u>								_
							L							L								1	_	/20	00	_									7		/20	00	
	_													_		7,1	_						_	_	_		-				-	_	_	_	_		_	_	_

	QUANTITY CALCULATION C	· · - · · · · · · · · · · · · · · · · ·	
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	BOLLARD	Pay Item No. (BOQ)	2C-21
Quantity Item	BOLLARD JOST WITH ANCHOR BOLT	Unit	Sets

Rev	Prep	ared	No. of	Chec	ked	Revie	ewed	Superseded
Hev	by	Date	Pages	by	Date	by	Date	by Calc No.
0	Kola Gorga		_	H. Thuma		Mr. Ando		
1								
2	_	. 1						
3								



NIPPON KOEI CO.,LTD.

				:t			-		*****															a						С.	AIO.	- I II	10 1	۷o.		L				
				n		Ŀ	É) L	U	A 12	۲ ب	Ö																		Cá	alc.	In	de:	κN	о.					
Sι	ık	oj	e	Çİ	:	t	30	LU	A.	12	0	١	0() {	:	V	117	H		(N)	сH	01	2	1	30	٠	r				age					·	R	ev.		_
<u> </u>		Ĺ								Ţ	-	ļ						Ë	Ľ	Ĺ			È				<u> </u>										ice			-
+		-	+		•		-	 	┝	+-	+	1	-				-					H						_	<u> </u>		ļ	_	_	N	ote.	<u>S</u>	 			-
	_		1			_		-	-	+	\dagger	1							-			-				<u> </u>		-		-		-	-	H	-	-	┼-			+
4		-	1					1	2	O	C	2			Ľı	7		7	(1	> ŧ	<u> </u>																			
+		┝	+	-		-	-	-	╀	+	+	-1	_		1		_	1	-						_		-	<u> </u>		<u> </u>	ļ			_		ļ	 		<u> </u>	1
1			\dagger				Н		1	t	\dagger	-	=		-	3		\parallel					-				<u> </u>				 	┝	-	-		-	-	H	\vdash	+
1		Γ		_					Ĺ	Ĺ					L	\equiv																	-			-	-		-	t
+		╀	+			ļ	L	ļ	╁	-	+	4						_	-	_					_	<u> </u>	ļ		ļ	ļ							Γ.			1
-	-	╁	+		<u></u>		-	ł		+	+	+				-			-		<u></u>	-	-		_	_		-	ļ		<u> </u>	<u> </u>	\vdash		<u> </u>	<u> </u>	-		_	+
										T	1																-	\vdash		-	 —	-	\vdash		 	-	+	 	-	+
-		\vdash	1					_	L	1	_[1					<u> </u>					_					L.,												·	1
+		\vdash	+			-	-	-	+	+	+	1						L	-	<u> </u>	ļ	 		-	-		<u> </u>	_	_	-	_		_	<u> </u>	_	_	1	<u> </u>	Ŀ	+
			\perp		_		\vdash	\vdash	T	\dagger	†					-		-			_	-		-	 		-				-			╁	-	\vdash	1	\vdash	-	+
1		L	1	_					L	I	I						_																							\dagger
-	-	+	+		_	-	H	\vdash	╄	+	+	4					<u> </u>	_	<u> </u>	<u> </u>	L	<u> </u>	_	L	<u> </u>	ļ		L		-			L.	_			L			1
+		T	+			-	\vdash	+	╁	+	+	+							-		-			H	-	-		-				<u> </u>		-	-	-	-		-	+
1		L								I	1	1	_																			_	-	1		\vdash	\vdash	-	-	†
+		H	4			_	-	4	+	4	1				l 	_		-	-	ļ	<u>_</u>	_	_			_														1
+		╁	+	-		├-	-	┼	+-	╁	╁	+		~		٠.			-						-		<u> </u>		_			ļ	_	_	_	ļ	<u> </u>			ļ
		L									1	_		_					_						•		_	-		-	-		-	▐	-		-		_	ł
4		_	4			L				Ţ	Ţ																													†
+		+	+	_		├	┞	├-	╀	+-	-	+	-						H		_	-					_										L	Ш		ļ
1	_	╁	1		-		┢	╁╴	╁	t	1	+	_					 	-							-								\vdash			┝┤	H		ł
_			1						Ţ																											-				r
\dashv	_	\vdash	+		_		-	-	Ļ	╀	+	+						\vdash					_			_									_					I
7	_	t	1		-	-	H	+~	╁	+	+	\dashv	-			-			-							_		_	_	-						_	_			+
							L.			İ																						-			-					ł
+		+	4		-	<u> </u> _	\vdash	-	-	\downarrow	1	4	_					<u> </u>	_																					I
+	_	+	+			\vdash	+	+-	\vdash	+	+	+	_			-			-					\vdash			_			-	H	_		 	<u> </u>	ļ	-			+
1			1							T	1																				H			┢	-		-	 		ł
4		1	4		<u> </u>		ļ_	Ļ	Ĺ	F	1	_					_	_	<u> </u>																					<u> </u>
+		+	+			\vdash	-	+-	+	+	+	+				_	ļ <u>.</u>									\vdash			<u> </u>			Ь.,		<u> </u>	ļ.,	L.		\square	<u> </u>	ļ
	_	T	1				T		t	\dagger	\dagger				-		_	\vdash					-				-			\vdash	\vdash	\vdash	H	\vdash		<u> </u>		\vdash	-	ł
_[_		1			\square	Ĺ		Γ	Ţ		_		_																										ţ
-		+-	+			-	-		-	+	+	4	_					_									_													Ţ
+		\dagger	+			 	\vdash	+-	\dagger	+	+	+	-					\vdash	\vdash			\dashv								_	Н	\vdash		-	H		\vdash	$\vdash \vdash$		+
		T	1					1			1												-											 		-	H			+
-		+	-		<u> </u>	_	-	-	L	\downarrow	1	_	_					L																						1
-		+	+		H	 	┞	\vdash	╁-	+	+	\dashv					_	-				_					-		Н					<u> </u>	<u></u>	_	Ц		<u> </u>	1
	_	İ	1			-		\perp	+	†	\dagger	1					_			_		_			_											-	\vdash	\vdash		ł
															Pr	epa	are	d b	y	_	_							Cł	en	ker	j h	,				-	ليب	ليسا		_
_			_				Г						-							-		-	7		/20		\dashv							_		7		/20		-

MIPPON KOEI CO, LTD.

	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	LADDER	Pay Item No. (BOQ)	2C-2L
Quantity Item	LADDER	Unit	Sets

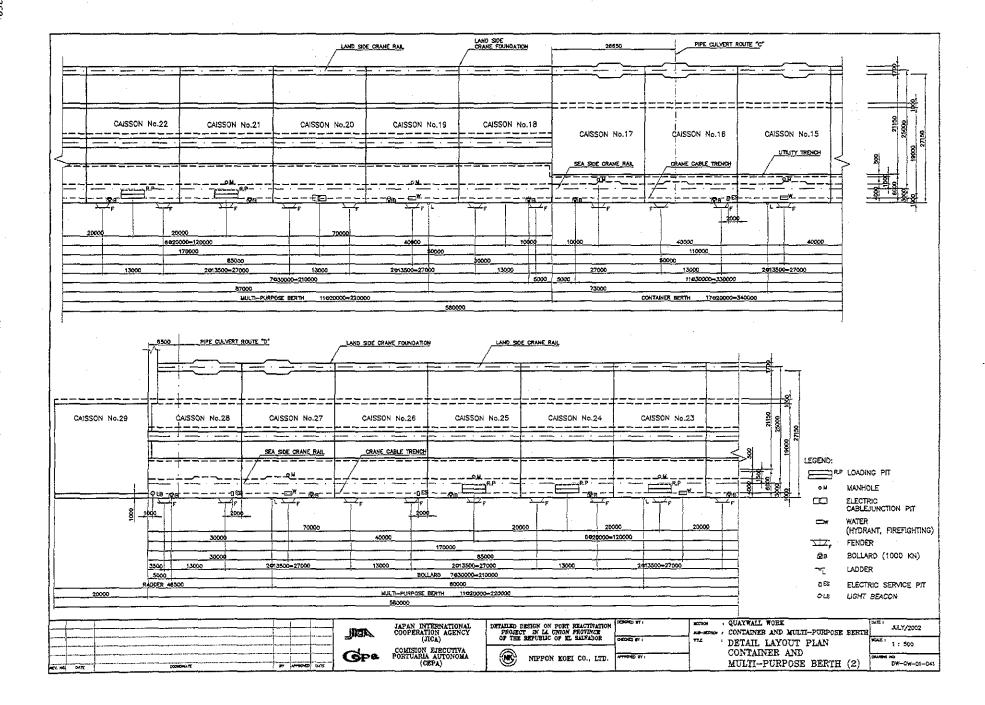
Calculation Procedure Applied

ladder was to be set in front of the apron in order to get on or off a ship. See altoched drawings.

References, Calculation Base and Revisions

Refrences: Tinder Drowings: DW-QW-01-041 Detail Layout Plan Container and Hullipurpose Bulh (e)

Rev	Prepa	ared	No. of	Chec	ked	Revi	ewed	Superseded
1164	by	Date	Pages	by	Date	by	Date	by Calc No.
0	hoda Geráa	1		Mr. Truma		Mr. Ando		
1								
2								
3								



NIPPON KOEI CO.,LTD.

	~1	C	ct		De	itai	led	D	esi	gn	on	Po	rt F	lea	ıcti	val	ior	įΡ	oje	ct	in L	a	Uni	on				Ca	ılc.	Fi	le l	٧o.						
Se	C	tic	on						D								***************************************				-		-					_				(N		r		~~~	_	
Su	b	je	C	1					D							1			1										ge),			٠		∌V.		
-	1					_		-							_	_				_			\ 		-		_		_	_	-	P(N)	ete ote	rer s	ice:	s/ 		7-
	1					1	I					-	3																		-			_				L
+	+		-		Н	1	7				H	-		1					-	-	_				_			<u> </u>	-	<u> </u>	<u>_</u>	_	-	_	L			Ļ
	1																												-		-	-		\vdash	 		_	H
+	-	-						_	-		ļ	L			<u> </u>				_	_		_	_										_				_	I
	1				1		-	-	-	-	-		_	-		-	-		-	-		_	-	_	-					-		┢╌	<u> </u>	H	-	-		Ļ
-			_							_		_					_																					
+	+	-		-	-	-			\vdash		╂-		-		<u> </u>	-	_				-	_	-					_				-			_			-
		_					_	_																					_									-
+	+	-			-	-		-	-	-	-	\vdash	-		_		_	-	ļ		_	_		L	<u> </u>			-	-	L		ļ	ļ	_	ļ			Ĺ
1	1													_						_					_												-	-
	-					-	_	-	\vdash		-	<u> </u>	-		\vdash		_	-			7.00	Ĺ.,	L-		L							F		<u> </u>			_	F
士	1							_									Ė													H	H		-	-	-			H
+	-				-	-	<u> </u>	<u> </u>	-		-	_	_		_	_	_													_								
	1						_		\vdash	\vdash	\vdash				-	-	\vdash	-			-				_	\vdash		_		-	 	\vdash	_	 	_	H		\vdash
-	4							lacksquare																														Ľ
1	+			-	-	-	-	-	├	-	╁	-		_		-		-					•	-				_	_			-	_	-	_			H
_							<u> </u>	_															<u> </u>				_											L
+	-	-		-	-	-	\vdash	-	-	-	┝		-		_		-				_						-	_			_		_	_	_		!	Ļ
	1									_								_														_		_				
+	+	_			_	\vdash	 	_	-	-	-	L			<u> </u>	_	 	-			_		_		_							_						
											L		_				_		-	-			-							-		┝	_	-				H
-	_				ļ		_	<u> </u>	┞		-	<u> </u>	_							_	Ì																_	
1	1				_				\vdash	-	-	H		<u> </u>		-		-	H	H	H										Н	-						\vdash
-	-		_	_	L				L		F												_															L
	+	_	-		\vdash	-	-	 	-	\vdash	\vdash	-	-	_	-		-	-		L							-		_		-	-				\vdash		\vdash
1	1					_		[_			<u> </u>				_			_																				
+	-		-		-	+	-	-	\vdash	-	\vdash	-	-	-	_	-	<u> </u>	-	\vdash	L_	<u> </u>	_	_	Н	-	\vdash				_	\vdash	\vdash			H	\sqcup	_	-
1	_				_			L						Ì	_														<u> </u>						-		_	
+	-			-	-	-	\vdash	ļ	╁.	-	┞		-			_		<u> </u>			_					\sqcup	_	Ц			_							-
																											_								H	\vdash	-	-
+	-		ļ	_	<u> </u>	\vdash	H	<u> </u>	-	-	-	-	<u> </u>	L.	L		_	_		ļ	Й										\Box	Ц						
\pm							_		\vdash	\vdash	\vdash	-			-	-		-	Н	-				\vdash			-		_		Н	H	Н	_		-	_	H
-	4			Ĺ				F	[.	<u> </u>	<u> </u>	Ľ						_					_															_
_	_	_		_		\vdash	+	\vdash	-	-	+	-	-		_	<u> </u>		-	-		\vdash			\vdash	-	\sqcup	-		_		-	\vdash	-		-	\dashv		L
				_						_			Pr	epa	are	d b	y	_								Ch	ecl	ker	l h	,		<u>ب</u>				!		lang.
						Γ		-				-	-					_			/		/20	 00	7	<u> </u>			- 2			_		/	_	/20	Ю.	

	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	PLATFORM 1	Pay Item No. (BOQ)	2D-P10101
Quantity Item	STEEL PIPE PILE	Unit	Nos

Steel pipe piles were computed for each type of pile, including diameter and thickness.

Length was multiplied by the total number of pile in platform 1. Also, the unit and total weight of pile were computed using Weight Tables.

References, Calculation Base and Revisions

Theferences: Tender Drowings:

EN-UN-02-002 Passinger Bulh Pier 1 Plan & Typical
Cross Section

Rev	Prepa	ared	No. of	Chec	ked	Revie	ewed	Superseded
1164	by.	Date	Pages	by	Date	by	Date	by Calc No
0	hoi a Gorás	,		Hr. Jauma		Hr. Ando		
1								
2								
3								

® NIPPON KOEI CO.,LTD.

P	rc)je	e	ot.		De	etai	led	D	esi	gn	on	Po	rt F	lea	ecti	vat	ion	Pr	oje	ct	in L	a l	Jni	on				Ca	ılc.	Fil	e N	٠٠٠٠		<u> </u>		-	-	
S										‡C												_											(N		<u> </u>	····			
S										·						 2/1	LE	-											Pa					· · ·		Re	 ∋∨.	*****	
		ľ	1								Ė	Ï			Ė						_						-			<u>~</u>				efe ote:	ren				
		H	N	Ja		р	ile	- 5	=	 	12	2	_	 -	-	-						_			 								INC	163	<u>-</u> -	<u> </u>	1	Ţ	Π
		١.	I.	_		•	i	1		ı	[_				_				_								_									
_		-7	7		=		70	0_	n	W	<u> </u>	-		-	_	<u> </u>			-		-												_	_				_	
			4	-	==		3	ı	^	þ.	_	Ľ.										_								_									
	_	╁	1	_	1	1	ļ	12	ļ	5	α	<u> </u>		_	_	ļ	ļ	_	-		_	_			-								_			ļ			
			1	<u></u>							H	\vdash				\vdash		-		_	-						ļ					-	~					-	
		I	7												1/				_			_		-		_	_				_								
		╀	-			>		À	7	=	-	10	4	_	4	-	m				-	H				<u> </u>		_				_					-	-	
_		İ		_	- 1	2		U	V.	1	u	ei	gl	J	Ę	-	(20	4	K	/		1	31	Μ		E	Ģ		2	9	1							
	L	F	-		_				ļ	l		1	!/		l	ì	ı			1		<u> </u>					_	7	_			1				_			
		+	+		, III,	<u>></u> _	\vdash	4	7	-				ı	~	1_	Ľ		7	10	1			-	H	<u> </u>						-	-				-		
_		L	1							Ξ	<u> </u>		5	1	3	8	8		Z9								<u> </u>										_		
	<u> </u>	\vdash	+			-	-	\vdash	<u> </u>	 	1	-	ļ.	L	<u> </u>	-	7	_	<u> </u>		-	-			H	<u> </u>		_	-						 	<u> </u> -		_	
		T	\exists						2		廿	7	5.	9	0		6	20				_		_							_			_		_	_		
		ľ	4	_			_		ļ	_	1	-	-	-	_			=	7		_							_											
		H	+	-			<u> </u>		<u> </u> 		H	╁			-	<u> </u>	-	-				 													-				
			1					=	٥	=		(31	1	ก) (12)	1		3	2	2		η										1				
_		╀	-	_				-	<u> </u>			_				_		_							_						:			-					
_								_																										-					
	_	-	-				ļ		_										-		_	<u> </u>																	
			-						-	╁	-	+-	-	-	-	├					_												\vdash		-				
_			1				Ĺ											_														,,,,,,							
		-	-				<u> </u>		-		-	 	-	_						_		_											-					<u> </u>	
		L		-											_																_							-	
	_	-	4	_	L.		_				-	<u> </u>	-		L				_		Ĺ												_						
	-	\vdash	+	_	_					-	-	-					_	H	\vdash		H				H	-	-					-	-	-				-	-
		L							-				-				_																						
-~		-	-		_		\vdash			\vdash	<u> </u>	-	-			\vdash								-		-	-		_			-		-		-	_	<u> </u>	$\vdash \mid$
		İ	1																																				
	L	-	_	_			_	_	L		-	1	L	-	_	_	-	<u> </u>	_	_	_	_		_	ļ								_						
	-	-	+		-	-	\vdash	-		\vdash	\vdash	╁	-	-	-	-	\vdash	<u> </u>		-	<u> </u>	-		H		_	-		-			-					<u> </u>		-
		İ										L	<u> </u> _	<u>.</u>																									
		-	-			_	ļ		-	\vdash	\vdash		\vdash		_	L	_					ļ			_	L			_		_	L	-	-	_	_			Ц
		İ					Ħ	L		L									F			L-			-	-	-				_		\vdash	 	\vdash	-	-		
		L	1			<u> </u>						-	Γ								_																	Ĺ.,	П
		-	+		<u> </u>	ļ	+	-	-	-	\vdash	-	-	-	-	-	-	<u> </u>	-		L	<u> </u>	-	-				ļ	L.		<u> </u>	H	\vdash	-		<u> </u>			
			_,		 -			<u>. </u>	٠.	1	۰.	_	٠	Pr	epa	are	d b	y		1		L	 -	-	·		C)	neċ	ker	1 h	\	<u>ب</u>	-	!		L			-
							[_		-	٠,			,		Γ		1		/2	00		<u> </u>	iec	ne(10	у		-		1		/2	ດດ	
							Ц				-			Ļ.,			_			Щ		<u> </u>		, 4.	-				-	_			Ц.		′		14	-0	

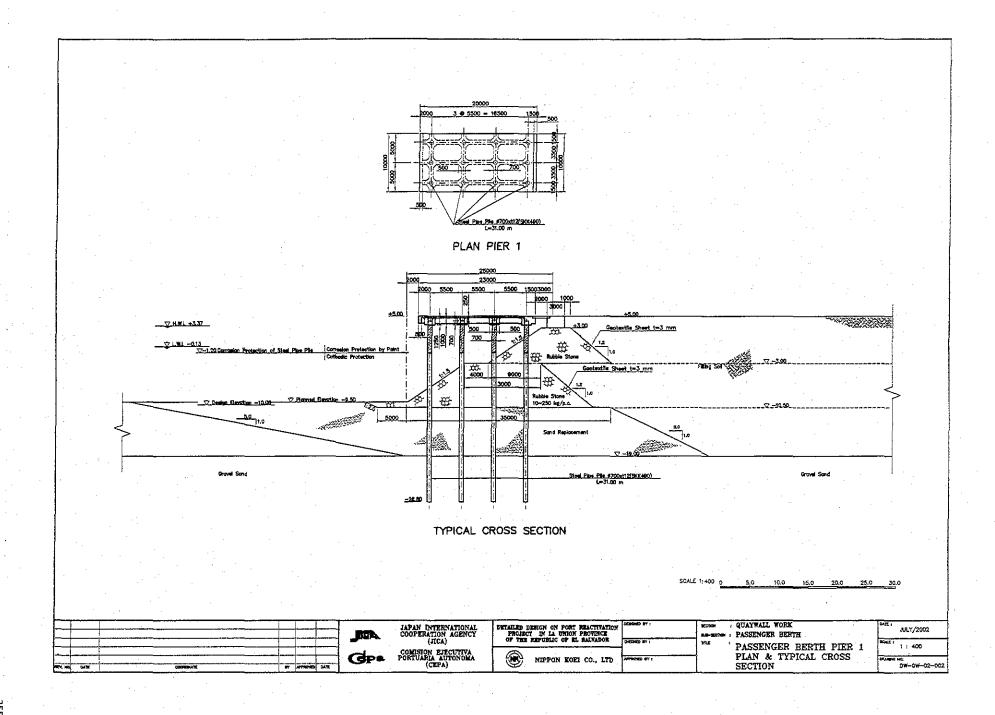
	QUANTITY CALCULATION O		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	PLATFORM 1	Pay Item No. (BOQ)	20-P10102
Quantity Item	PLATE	Unit	Ľq

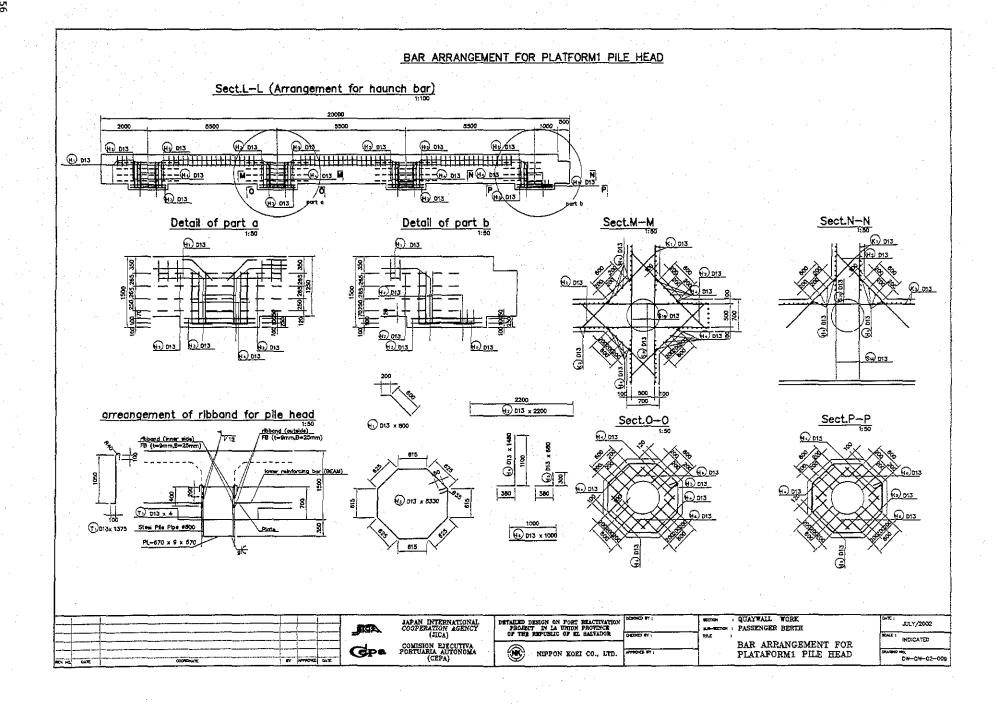
Plate was computed for Plotform 1. The unit weight was multiplied by the total number of pieces.

References, Calculation Base and Revisions

Reference: Tender Drowings: DW-WW-02-009 Bor Arrangement for Platform ! Pile Head

Rev	Prepa	ared	No. of	Chec	ked	Revie	Superseded		
1164	by	Date	Pages	by	Date	by	Date	by Calc No.	
0	hoila Goraa			Hr. Journa		Mr. Ando			
1		:							
2									
3									

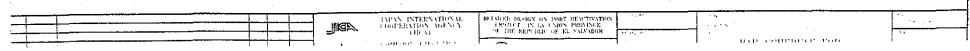




BAR SCHEDULE FOR PLATFORM1

	AR lo.	DIA	LENGTH (mm) :	UNIT WT.	D.T.Y	WEIGHT (kg)	TOTAL WT.	SHAPE	REMARK
+-1	1	016	7,000	1.56	20	10.920	218		
Si	2		6.000	1,00	201	9,360	187	`	
ائر!	+		8.700		20 20	13,572	271		
-	7		10,500		20	16.380	328		
Sz	2		6,000		20	9.360	187		
34	4		5,200		20	8,112	162		 -
-	Ť		9,500		20	14.820	298		
Ś	2	-	6.000	-	20	9.360	187		ļ
{ ~	1		4.800		20	7.488	150		
-	Ť		6,000		- 4 ŏ	9.360	374		!
\S ₂	3		8,300		20	12.948	259		├
1	1	-	4.000		80	6.240	499		-
اچ	13		6.500		80	10.140	811		
-	1	•	6.300		80	9.828	786		
S	13		4.000		80	6,240	499		
┢	1	022	8,500	3.04	ĕ	25.840	233		
Ś	2		6.000	7.0	18	18.240	328		
1-	3		6,060		91	18.422	166		
1	T		9,800		- ğl	29,792	268		
Sı	3	-,	6.000	· ·	- ši	18.240	164		
1	3	•	5.500		- 91	16.720	150		
_	Ť		7,000	•	91	21,280	192		
Si	2	- i	5,000		18	18.240	328		
1 -	3	•	7.560		9	22 982	207		
	1		5,500 6,000		8	19.760 18.240	178 164		
Sio	2		6,000			18.240			
L	3	•	8,800	+	9	26.752	241		
	517	•	4,800	•	54	14.592	788		
F.,	1	•	5,740	1	24	17,450	419		
Siz	2	•	9,000		24	27,360	657		
- 5	513		2,800		48	8.512	409		L
	514	016	1,500	1.56	40	2.340	94	ſ	
6.	īī	022	4,640	3.04	6	14.106	85	1	
Sıs	2	•	8,000		6	24.320	146		
Sie		•	6,500	1	11	19.760	217		
318	12	6	4,600		11	13.984	154		
Sız	⊡	•	4,540	- 1	5	13.802	69		Ĺ
3"	2	•	7,500	•	- 5	22.800	114		
	1	013	5,000	0.995	12	5.970	72 143		<u> </u>
Su	2	•	6,000	•	24	5.970			<u> </u>
319	[3		3,160	•	6	3.144	19		
L	4	•	3,660	•	_ 6	3.642	22		L
1	1	,	2,000	•	6	1.990	12		
Ş:9	2	-	5,400	•	18	5.373	97		
<u></u>	13	•	1,500	•	6	1.493	9		Ļ——-
ls _∞	닕	•	3,660		16	3.642	58		
1	1.2	-	7,000		16	6.965	111		
Sei	1	•	1,500		14	1.493	21		ļ
341	2	•	3,400		14	3.383	47		<u> </u>
Szz	1	4	7,000	•	- 6	6.965	42		
327	2	•	3,880		- 6	3.861	23		
[]	23	•	880	i	18	0.876	16		
	24	•	1,530	,	2	1.522	3	J	1
	223		2.030		41	2.020	8		1

	BAR No.	DIA	LENGTH (mm)	UNIT WT.	Q.T.Y.	WEIGHT	TOTAL WT. (kg)	SHAPE	REMARKS					
	<u> </u>			<u>D2</u>	2	,677								
	016 5,308 013 703													
	TOTAL 11,688 kg													
	Ku	D13	3,480	0.995	381	3,463	1,319	ъ						
	K ₂		3,560		240	3.542	850							
i	K)	<u> </u>	2,880	'	15	2.855	43 269							
	K4		4,500		60	4,478	7031							
	<u> </u>			D1		2.481								
				TOTAL	2	.481	kg							
	Hr	D13	800	0.995	5581	0.796	444		1					
	Hz	033	2,200	1	168	2,189	368		 					
- }	Hs	1	5,330		24	5.303	127							
ĺ	Ha	1	1,480	•	168	1,473	247							
	Н.	•	680	,	24	0.677	16							
	Hs	•	1,000	•	48	0.995	48	_=_						
-	D13 1,250													
- 1	-			TOTAL		,250	kq							
_														
Ţ	022 5,677													
0		D16 5,308												
Å				. D1		.434								
Ĺ				JATOT	1.	5,419	kg							
_			(N. 47)	(00100)										
				(\$\$400) q × 12 pie	1000 -	- 842	kg							
_			70.2 K	d v is bid	-	- 044	<u> </u>		··-					
	ri	bband(SS400)out	side 1	1.77 kg	/m x 2.2	0m x 24	pieces =	= 93.5 kg					
	ri	bband(SS400)inn	er side	.77 kg	$/m \times 2.0$	6m x 24	pieces =	= 87.5 kg					
Í				TOTAL					181.0 kg					
Ì														
_			CONCRETE	VOLUME.	7.	40.850	m3							
				FORM	1 3	87.434	m2							
_														
	Ţ,	D13	1,375	0.995	48	1.368	66		<u> </u>					
Ì				D1.	3 6	66								
				TOTAL		6 kg								
ļ				400 400										
				(SS400) a × !2 pie	200	299	ka							
1			44.5 K	ų ^ :∠ pie	:UES =	- 233	KŲ							



NIPPON KOEI CO.,LTD.

			C			eta							Po	rt F	le:	act	va	tior	۱P	roje	ect	in	La	Un	ion				C	alc.	Fi	le I	۷o.					haranan,	
S						PL	<u> </u>	7 1	0	2	1/	1		1															Ca	alc.	. In	de	κN	ο.		_			
S	ul	oje	ec	t		1-	>١_	A	70	=													-						Ρŧ	ıge	N	o,				Re	ev.		
				I																			L	(1		Ĭ	ĺ	{	Re	efe	ren	ce	s/	-		
4		<u> </u>	ļ.	4	_	╄-	_	-	_	1	_	_			<u> </u>	_	<u> </u>	ļ_	1_	1_		ļ	_	<u>Ļ</u>						L			No	ote	S		,		
-		 	,	+	╀	┼	-	+	-	+		-	-			┞	-	┞-	ļ	-		├-	L	ļ		ļ	ļ		_	<u> </u>	-	<u> </u>	<u> </u> _	<u> </u>	ļ.,	ļ	ļ		_
-	-	-	-	\wedge	 	<u>_</u> _	-	Q Z	12	+	4	4	t	-	2	90	-		╁╌	=	╁	1,	-	ļ.,		Υ.	-	ļ	-	ļ. —	-	┝	┞	-	<u> </u>	<u> </u>	├		
		-	1	1	1	 	1	7-		†	7	1	-			<u> </u>	1	5	\vdash		 -	1	12	131	\vdash	15	}-		-	\vdash	╢	-	┢	├-	\vdash	\vdash	-	<u> </u>	-
																														-	 	┢		 			-		-
		L	_	1		-	L	1	4	1	4	4		-			<u> </u>							L															
\dashv	_	<u> </u>	+	+	╀	-	 - -	-	+-	F		•	==	Ŧ	1	1	50	-	F	ļ	П	├	 	╁	┞	 		ļ	ļ	Ļ	 	 	_	ļ_	ļ	<u> </u>	_		L
-		-	╁	+	╁	┝	├-	F	+	ľ	7	+	_	1	7,	3	1	1-	}-	9	H	├-	├	+-	┝						-	┝		-	-	-	}		H
				L	Ľ			T		+	\top	7	_				-				F	-	Г	 		<u> </u>	-		-	 	\vdash	 	╂╌	 		_		\vdash	-
_]		Ĺ.						L	I	Ţ	I																					_	_	<u> </u>					\vdash
-		-	-	-	ļ	+	-	L	+	+	\downarrow	-				-	-		<u> </u>	<u> </u>	ļ	<u> </u>	Ĺ	<u> </u>	<u> </u>	Ļ	_					L	匚		匚				L
+	_	-	+	+	+	+-	\vdash	+	+	+	+	-	-		-	-	-	-	-	}	├-	-	-	-		-		-		-		-	-	 		-	-		-
_			T	1		\dagger	1	+	+	+	+	+			-		-	1	十	\vdash	╁	-	-	1		-	-					-	\vdash			_	-	\vdash	-
\Box		Ŀ						Ľ		Ţ	I																								\Box				T
		_	\vdash	╄-	+	-	1	H	+	+	4	4				<u> </u>	Ļ.	⊬	<u> </u>	L	<u> </u>	_	L	_	<u> </u>		<u> </u>				Ľ				Г				
+			+	+-	+-	╀	\vdash	+	╁	╁	+	4	-		H	-	-	\vdash	-	 −	\vdash	 	<u> </u>	┼	_	-		-			-	-]	 	}_			-	L
			\vdash	T	†	-	+-	+	+	\dagger	\dagger	1				\vdash	 	-	-	†-	1	+-	-	-	-	-	-	\vdash	-	-	-	-				_			
\Box						Ι.		L		I																			_			\vdash	 		\vdash		\vdash		r
4		ļ	-	L	┞.	↓_	<u> </u>	L	1	1	4	4	_				Ļ								Γ														
-+			H	ļ	├	╁-	-	+	+	╀	+	-				ļ	-	-	-	-	H	-	_	-	-	-	ļ	<u> </u>	<u> </u>		١	-	_	-	<u> </u>	_	ļ		L
1		F	\vdash	[-	[-	\vdash	-	1-	✝	f	+	+	-{		-	-	-		├-	╀	-				-	-		ļ		-	{-	\vdash	H	-					┞
	_									İ	1	1					Ľ						-				-	-				-	i	\vdash	-		-	-	-
_	_	L	L	L	ļ.,	<u> </u>	<u> </u>	<u> </u>	\downarrow	Ļ	1					Ĺ				Ľ																			Ĺ
\dashv	_	_	┞	1	-	┼-	┞	├-	+	+	+	4	-				 	-	┞	 -	<u> </u>			┞		ļ	ļ	_	_		_	_	L	L	<u> </u>	_	ļ		L
T			 	+	1	1	1-	-	╁	\dagger		+							-	-	-			-	-			\vdash	<u> </u>	-	⊣	├-	⊢	\vdash		-		\vdash	├
						T				T		1					 -		\vdash	H				-		-	-	 				├-	╁╴	-	H	┢		\vdash	┝
				Ļ	L.			Ĺ	L	L	\perp																												
-	_		\vdash	 	<u> </u>	+-	1	<u> </u>	+	+	+	+	-				<u> </u>	-	<u> </u>		 	 - -	ļ_		ļ	-	-	_	_		-	L	_	ļ	ļ	<u> </u>	Ļ		
-	٦		\vdash	1	\vdash	†-	_	-	+-	t	+	+	-			 	-	-	\vdash	-	\vdash	-	-	-	\vdash	-	-	-	-	-	 	+-	[-		\vdash	-		-
												_				_		Г	<u> </u>	\vdash	T				Г			-	 		-	-	\vdash	 	\vdash	-	-		-
	4	L	L	-	L	ļ	L	L	\perp	L	1	Ţ					L		\Box							Ĺ													
+		<u> </u>	H	\vdash	\vdash	-	-	1	╀	-	+	1				-	<u> </u>	Ŀ	ļ.	┡	 	<u> </u>	<u>L</u> .	-		-	_	ļ	_		<u> </u>	_	1_	_	ļ	ļ_	<u> </u>	_	_
+	H		\vdash	Ė	-	╁	-	╁╴	\dagger	t	╁	+	-{	-	-		-	\vdash	-		\vdash	 	-	-			-	-	\vdash	\vdash	-	-		-	-	\vdash	-	\vdash	┞
_						Ė				T	İ	\exists							L			<u> </u>		†-		Ι-	 	-	 		-	+	1	-	╁	-	-		-
1	4		Ĺ			\perp	匚		$oxed{\Box}$	Ţ.	I	1	\Box																	·									
-		ļ	-	 	\vdash	┼-		\vdash	+	1	+	-	4			-	_	1	_	\vdash	ļ	-	L	 	ļ		-	L	<u> </u>		<u> </u>	ļ_			_		1	Ĺ	L
+	-	<u>. </u>	 	+-	\vdash	+-	-	+	-	╁	╂	\dashv	_ 	-	_	<u></u>	-	-	\vdash	1-	\vdash	-	\vdash	\vdash	\vdash	+	-	_	-	-	-	-	1-	 -	├-	 - -	├-	<u> </u>	╀
						T	\vdash		1	1	_	_					-	-	-		 		-	\vdash		-	-	-	\vdash	 	1-	+-	╁	+-	-		-	-	+
1						_		Ľ	Γ	Ţ	ļ													L				L				1	1		T	I	†		T
4	_		_	<u> </u>	-	 	_	L	-	Ļ	\downarrow	1	4		L	_	_		L	<u>L</u>	1	_	_	<u> </u>		_	_	_				L		\Box					L
+	-	<u> </u>	<u> </u>	-	+	-	\vdash	╀	+	╀	+	-	\dashv	-	<u> </u>		ļ	-	_	 	 	-	_	\vdash	1	\vdash	-	-	-	<u> </u>	 	-	 	 	Ļ	 	-	_	1
_		_	<u> </u>	-	· .	_		-	<u>-</u>	<u>'</u>	<u></u>	<u>'</u>	۳	Pr	en	ro	d t	i N	1		·	<u>'</u>	<u>-</u>	-				<u>`</u>			<u>. </u>	<u> </u>	1	<u> </u>	<u> </u>	f	1	<u></u>	_
						Τ-							\dashv	- '	~ pr	A1 C	٠ L			Г			_	10	<u> </u>		C	1ec	кe	<u>d</u> b	У		Ţ	 -					
						L				_	_				_					L		1		/2	ŲÜ		L_						<u>l.</u>		/		/2	00	

QUANTITY CALCULATION COVER SHEET											
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001								
Work Section Title	PLATFORM 1	Pay item No. (BOQ)	2D-130103								
Quantity Item	RIBBAND	Unit	. Ya								

Ribbond was computed for platform 1.
The outside and inner side ribbond were computed.

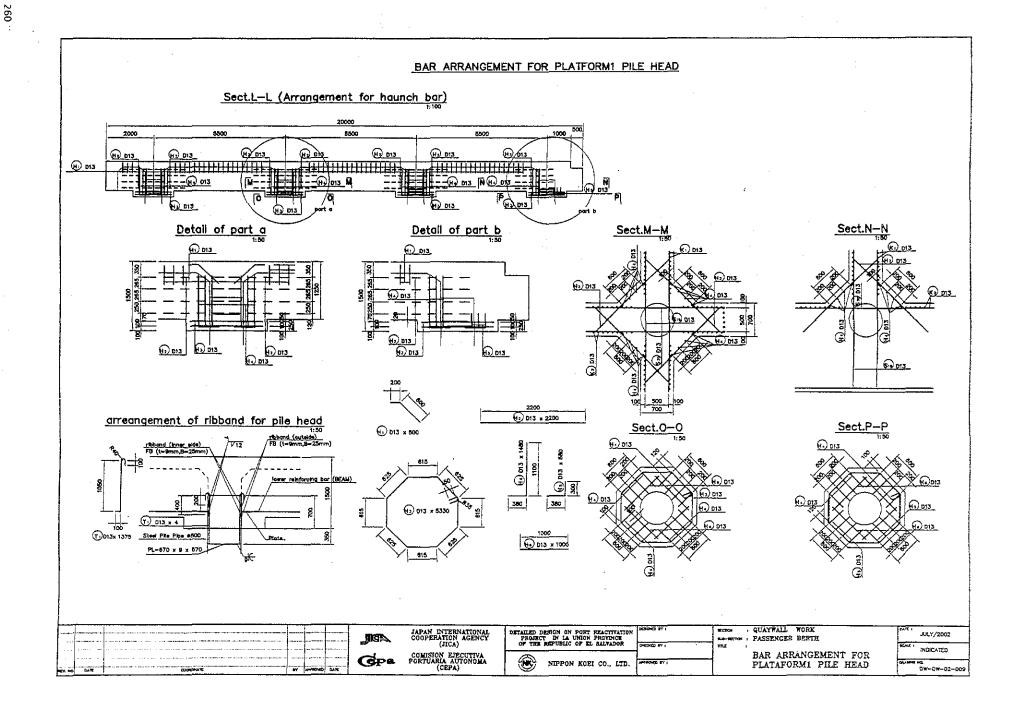
References, Calculation Base and Revisions

References: Tender Drawings:

DW-QW-02-009 Bor Arrongement for Platform 1

Pile Head.

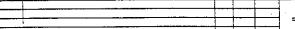
Rev	Prepa	ared	No. of	Chec	ked	Revie	Superseded		
, 101	by	Date	Pages	by	Date	by	Date	by Calc No.	
0	Korla Gonia a			Mr. Journa		Hr. Ando			
1									
2							,		
3									



BAR SCHEDULE FOR PLATFORM1

N N	٩R	DIA	LENGTH (mm)	UNIT WT. (kg/m)	D.T.Y.	WEIGHT (kg)	TOTAL WT.	SHAPE	REMARK
_	ľΊ	D16	7,000	1.56	20	10.920	218		
Sı	2	-	6,000		201	9.360	187		
	ነኝ	-	8,700		20	13.572	271		-
	Ιĭ		10,500		20	16.380	328		
Sz	2	1	6,000		20 20	9.360	187		
٠.	3	-	5,200		ŽÕ	8.112	162		
	1		9,500	,	20	14.820	296		
Sa		-	6,000		20	9.360	187	<u> </u>	
	3	-	4,800	r	20	9.360 7.488	150		
-	1	•	6,000		40	9.360	374		
Ş.	2	,	8.300	,	20	12,948	259		
č	1	1	4.000	- 1	80	6.240	499		
S۵	2		6.500	1	80	10.140	811		
_	•	•	6,300	•	80	9.828	786		
Şŧ	2	•	4,000	ì	80	6.240	499	_	
	1	D22	8.500	3.04	9	25.840	233		
S٦	2	•	6.000	•	18	18.240	328		
	3	•	6,060	•	9	18.422	166		
-	1	•	9.800		ĝ	29.792	268		
Şı	2		6.000		- Š	18.240	164		
`	3	•	5,500	-	ğ	16.720	150		
	ĩ	$\overline{}$	7.000		ğ	21,280	192		
S.	2		6.000	p	18	18.240	328		
	3		7.560		9	22.982	207		
	ĭ		6.500			19,760	178		
Sie	ż		6,000	,	9	18.240	164		
7.7	3	•	8,800	,	Š	26.752	241		
S	.,	•	4,800	•	54	14.592	788		
		•	5,740	,	24	17,450	419		
Siz	2	•	9,000		24	27.360	657		
	,		2,800	,	48	8.512	409		
S	10	D16	1.500	1.56	40	2.340	94	_	
_	1	022	4.640	3.04	6	14.106	85		
Sıs	2	•	8,000	•	6	24.320	146		
	1		6.500	•	11	19.760	217		
Sie	2	•	4,600	,	11	13.984	154		
٠.	1		4,540	1	5	13.802	69		
Sız	2	•	7,500	•	5	22.800	114		
	7	013	5.000	0.995	12	5.970	72		
. 1	2	•	5,000	,	24	5.970	143		
Sie	3	-	3,160 (6	3.144	19		
Ì	4	-	3,660	r	6	3.642	22		
_	1	-	2,000		61	1.990	12		
Sie	2	-	5,400	•	18	5.373	97	,	
Ì	3	•	1,500	,	6	1.493	9	_	
c.	1	•	3,660		16	3.642	58		
Sec	2	•	7,000		16	6.965	111		
c	1	•	1,500	•	14	1.493	21	_	
Sm	2	•	3,400	,	14	3.383	47		
	1	•	7,000	1	6	6.965	42		
See	2	•	3.880	ı	6	3.861	23	_	
9	23	•	880	,	181	0.876	16	-	
Š		•	1,530	1	žĺ	1.522	3		
			2.030		4	2.020	8		

	BAR -	DIA	LENGTH (UNIT WT. kq/m)	D.T.Y	WEIGHT (kg)	TOTAL WT. (kg)	SHAPE	REMARKS
				D2 D1	2 5	,677 ,308			
				DT TOTAL	3	703 688	kg		
	Kı Kı	D13	3,480 3,560 2,880	0.995	381 240 15	3.463 3.542 2.866	1,319 850 43	9	
	Kı	•	4,500	D1		4.478	269		1
	Hi	D131	800 [TOTAL 0.995	5581	0.796	kg 444		
	Hs Hs	:	2,200 5,330 1,480		168 24 168	2.189 5.303 1.473	368 127 247	0	
	Hs Hs	•	680 1,000	$\dot{\cdot}$	24	0.677 0.995	16 48		
				D1. TOTAL	3 1	250 250	kg		
Y O				02	2 5	677 308			
T A L				D1 D1. TOTAL	34	308 434 ,419	kg		
Ì			PLATE 70.2 kg	(\$\$400) × 12 pie	ces =	842	kg		
	rib rib	band(55400)outs 55400)inne	ide 1 r side 1 TOTAL	.77 kg/ .77 kg/	m x 2.2 m x 2.0	0m x 24 6m x 24	pieces =	93.5 kg 87.5 kg 181.0 kg
			CONCRETE	VOLUME FORM		0.850 7.434	m3 m2		
H	Υι	013	1,375	0.995	48	1.368	66		1
				D1. TOTAL	3 60 60				
			PLATE 24.9 kg	(SS400) × 12 pie	ces =	299	kq		





TAPAN INTÉRNATIONAL CHOPERATION AGENCY (BCA) BETAILED BESIGN ON PORT REACTIVATION THOUGHT IN LA UNION PROVINGE OF THE REPUBLIC OF EL SALVADOR

٠. .

(I) NIPPON KOEI CO.,LTD.

		je			De	tai	led	D	esl	gn	on	Po	rt F	}e∂	ıcti	val	lon	Pı	oje	cti	in l	.a 1	Jni	on				C٤	ilc.	Fil	e l	Vo.						4
		eti				91	Α	7:	-6	12	М		1															Сŧ	ılc.	Inc	dex	κN	0.					
S	ul	эje	9 C	t			211																					Pε	ıge	No	э.					∌ V.		
			_																													Re			ce	s/	سدمجي	
		-	-	-														<u> </u>	-	ļ											-	N	ote	5 T	· ·	Г`-		····
			 		-	-	-				┝							-			\vdash				-	-		-	-		 -	-	┝	 	-	-		
				V	=	-		9.	3.	St)	(a		+		8	7.	50		6																		
-	_	ļ	_	ļ <u></u>	 	<u> </u>		,	_	1		<u> </u>	_	1/			_				<u> </u>	-	<u> </u>		ļ	_	ļ	ļ				_	_	ļ	ļ			<u> </u>
	-	┢	┢	-	-	=		-	8	יי	C	<u> </u>		<u>K</u> s	}	-	ļ	\vdash		-		├-	-		┢	├					\vdash	 		┢	-	H		-
									Ì																							_	-			-		_
_			<u> </u> _	_		3		_,	93		_	1	_	.~.			_					_			_	_				L					\Box			
	-		┝	-	-	F-		1	7			-	9			-	-	-			-	-	\vdash		-		-		-	-			-	_		_	_	
		-			-		1	 			-	-			-	\vdash	 			-	-	-			╁		\vdash				 -	▎	 	 		-	-	-
	_		L																																			
	_	-	├-	-	<u> </u>		-		\vdash	-	<u> </u>	_	-	_	<u> </u>		-	-	-		_	-	_	-	 		 - -	_		\vdash		! —	_	-	<u> </u>	-		
		<u> </u>			-	 		-		_	 	<u> </u>	 '							-	H			\vdash	-		-	-			-		-		\vdash	-	-	
_			L																													_						
_		╄	-	-		-	 			_		\vdash				<u> </u> -	-	1_			-	-			\vdash		-		_		-		_	-	\vdash			-
	-	-	-	\vdash					-		-	<u> </u>	-				\vdash		_			 -			 	-				-		┨	-	-			-	-
			_						Ĭ																		L.										_	
	_	-	-			_	_		-			ļ	<u>_</u>	-			<u> </u>	_			ļ	<u> </u>	_		ļ	ļ	ļ	L	L.		_]	Ļ		<u>Ļ</u> .	<u> </u>		-
		\vdash	┢			-			-	-	-	-		-	_			-	_		\vdash	-	-		\vdash	\vdash	-	 		-	<u> </u>	┞┈	\vdash	<u> </u>	┢	┢	-	-
				_															-																			
_	_	-	-			_	ļ!				<u> </u>		<u> </u>			L			_		-	<u> </u>	<u> </u>	_		-					-	_	L		Ļ	ļ	_	_
		-	-	 			-		 	}]	\vdash		-		 -	-	-			\vdash	-	-	 -	 		-	-		-	-	╂╌	-	-	-	 	\vdash	-
													<u> </u>																									
-		 	}-	-		_	-	-	 - -	ļ	<u> </u>	ļ	_				-	-		_		<u> </u> _		_	ļ.,		-	-	_	<u> </u>	-	_	-	<u> </u>	-	 	-	_
		-	 	 		-		┝	-		-			-			-		-	-			-	-		-						┞	_		H	-		-
																																匚						
		-		L		-		Ļ.		-	-		<u> </u>	-		-				_					-	<u> </u>		ļ	_	ļ	_	-		-	-	-		-
		+	†-	 						-	 -	├	-	-	-	-							 	-	├	-	-	-	-		-	┢	\vdash	 	├		-	ļ
																							<u> </u>											Ĺ				
_	\vdash	-	}-	-	-	<u> </u>	-	-	├	-	-	\vdash	-	-			-	-	-		-		_	<u> </u>		-	-	-	-	-	-]_			-		 	-
		+	1					-	-	-	-	-	\vdash			\vdash	-			-	-	\vdash	_		-	-	-	-	-	-	-		-	\vdash	-	\vdash		-
								Ļ						_				_		Ĺ									_					ļ				<u> </u>
_	_	\vdash	┼_	 			-		-		-	_	<u> </u>		L	_	-				_	_			-			_		<u>_</u>	-	-		 	<u> </u>			_
	_	+	1-	╁╌	 				 		-	-	-	-	-	-					-		-	-	-	-	-		-	-	\vdash	┞	\vdash	-	-	\vdash		
																										Ĺ												
	ļ	-	-	-		_	-	-	<u> </u>			L		<u> </u>		<u> </u>			<u> </u>		<u>L</u>				-		-	_		<u> </u>	_	_	ļ	<u> </u>	<u> </u>	<u> </u>	_	_
-	\vdash	\vdash	-	1-	-	-	\vdash	-	\vdash	-	-	-	-		\vdash	-		-	-	-	\vdash	-		-	-	\vdash	 	-	\vdash	\vdash	-	┞	-	-	-	-		-
																			_									<u> </u>										
	-	-	-	_	-	\vdash	_	-	_	_	_		_	<u> </u>	L	-	-	_	_		_	_	_	_		-	-	_			_		L	1	<u> </u>	-	_	_
-			٠	_		1			<u> </u>	ł	<u></u>		p,	on.	are	d F	<u> </u>		_		_				<u> </u>	_	<u> </u>	1.			ļ	<u>L</u>		<u> </u>		<u></u>	<u> </u>	
						Γ-							├	ψþ		- L	, y				-	_	[O		·	띧	nec	KO	a p	<u>y</u>		Т	_					_
						<u>L</u>		_			_		<u>_</u>						_		/		12	00		<u> </u>						<u></u>		/		12	00	

	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	PLATFORM 1	Pay Item No. (BOQ)	20-910201
Quantity Item	CONCRETE FOR COPING	Unit	m³·

Concrete volume was computed for woping.

Volume was computed using geometric bernulas, multiplying the area by the thickness of the coping.

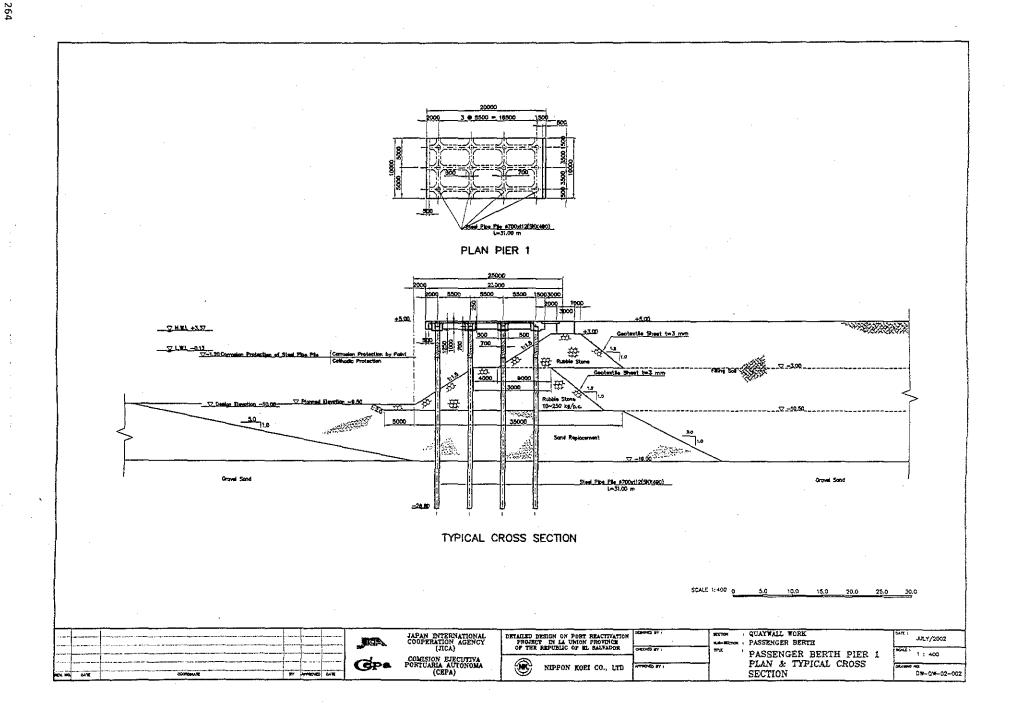
References, Calculation Base and Revisions

References: Tender Drowings:

DN-GN-02-008 Passinger Bulk Pier 1

Plon & Typical Cross Section

Rev	Prepa	ared	No. of	Chec	ked	_ Revie	wed	Superseded
1104	by	Date	Pages	by	Date	by	Date	by Calc No.
0	Korla Garúa-k	<u>al</u> _		Hr. Jauma		Mr. Ando		
1								
2								
3								



BAR SCHEDULE FOR PLATFORM1

	AR o.	DIA	. LENGTH	UNIT WT.	D,T.Y.	WEIGHT	TOTAL WT.	SHAPE	REMARKS
	ľ.	016	7,000	1.56	20	10.920	218		
Sı	12	4	6,000	1.00	20	9.350	187		
"	3	-	8.700		20	13.572	271		· · ·
-	ĭ	-	10,500	· ; · · ·	20	16.380	328		
S2	2	,	6,000		20	9.360	187		
-	1		5,200		20	8.112	162		
	Ť		9,500		20	14.820	296		
S	2	•	6,000		_20	9.360	187		
"	13	•	4,800	1	20	7.488	150		
E	1		6,000	1	40	9.360	374		
<u>Ş.</u>	[2	•	8,300	-	20	12.948	259		
S	1	•	4,000	-	80	6,240	499		
"	[2]	•	6,500		80	10,140	811		
S.	1	3	6,300		80	9.828	786		
	2	1	4,000		80	6.240	499		
ادا	Ļ.	022	8,500	3.04	9	25.840	233		
S7	2	-	6,000	- 1	18	18.240	328		
ļ	<u>د ا</u>	'	6,060		9	18.422	166	7	
_	1	•	9,800	•	. 9	29.792	268		
S	12		6,000		9	18,240 16,720	164		
l	13	:	5,500			15.720	150 192		
	2	-: 1	7,000		9	21.280	328		
5,	<u> </u> 4-	-:-	6,000		18	18.240			
l	12	+;	7,560		9	22.982	207		
Sie	١,		6,500 6,000	- ;	9	19.760 18.240	178 164		
امتوا إ	-{	 	8.800		3	25.752	241		
I ├~	11		4,800		54	14.592	788		
 `	1	-	5,740		24	17,450	419		
Sız	3	1	9,000		24	27.360			
 -	13		2.800	•	48	8.512	409		
	14	016	1,500	1.56	40	2.340	94		
i	1	022	4,640	3.04	6	14,106	85 85		
\$15	2	- 55	8.000	J.UT	6	24.320	146		
\vdash	ń	•	6,500		11	19.760	217		
Su	3		4,600		11	13.984	154		
	1		4,540			13.802	69		
Siz	2		7,500		5 5	22.800	114		
	ΪĪ	013	6,000	0.995	12	5.970	72		
اءا	2	•	6,000		24	5.970	143		
Sia	3	•	7 7 7 7	•	6	3.144	19		
	4	•	3,660		6	3.642	22		
	1	•	2,000		6	1.990	12	_	
Sie	3		5,400		18	5.373	97		
		•	1,500		6	1.493	9	_	
See	1	•	3,660	1	16	3.642	58		
المتا	2	•	7,000	•	16	6.965	111		
San	1	•	1,500	-	14	1.493	21		
127	2		3,400		14	3.383	47		
Seal	Ţ	•	7,000		- 6	6.965	42		
	4		3,880	1	6	3.861	23		
	21		880		18	0.876	16	¥	
	24	•	1,530		2	1.522	3		
_ S	25		2,030	<u>'</u>	4	2.020	8	_	

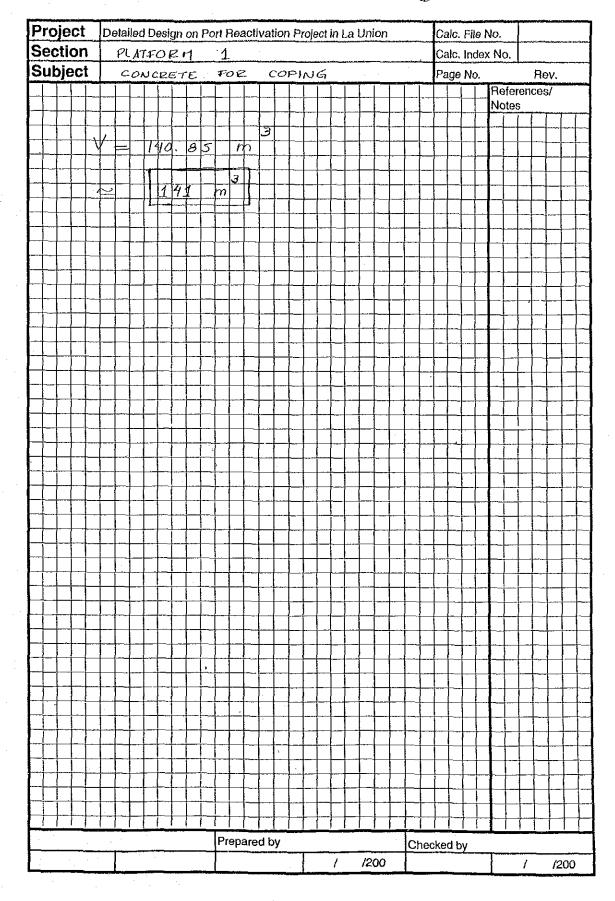
	BAR	DIA	LENGTH)	UNIT WT.	b.T.Y.	WEIGHT	OTAL WT.	SHAPE	REMARK
	No.	1	(mm)	, nujyiti j			(kd) [1.0
				D2 D1		,677 ,308			
				01	3	703	` .		
				TOTAL		.688	kg		· · · ·
	Kı	013	3,480	0.995	381	3.463	1,319	-	
	Kı Kı	 	3,560 2,880		240 15	3.542 2.866	850 43		
	- Ka	•	4,500	•	60	4.478	269		<u> </u>
				D1	3 2	.481			
ŀ				TOTAL	2		kg		
Н	Hı	013	800	0.995	5581	0.796	444	_ `	1
	Ho		2,200 5,330	<u>'</u>	168 24	2.189	368 127		
	H ₄	+	1,480	;	168	5.303 1.473	247		-
	Нв	•	680	,	24	0.677	16		
	He	<u> </u>	1,000	,	48	0.995	48		
				D1		250			
				TOTAL	1	250	kg		
T									
0				02 01	2 5	.677 .308			
Ţ A				Ď1.		434			
î				TOTAL	15	,419	kq		
-			PI ATE	(SS400)	-				
			70.2 ka	1 × 12 pie	ces =	842 k	q		
- }		hhand(S	S400)outs	oide 1	77 ka	/m x 2:20	m v 24	niecae =	03560
t	ri	bband(S	S400)inne	r side 1		m x 2.06			87.5 kg
F				TOTAL					181.0 kg
-			CONCRETE	VOLUME FORM	14		m3 m2		
									,
-	Ťı	D13j	1,375	0.995	48	1.368	66	·	
Ī				D1.					
ŀ			-	TOTAL	6	6 kg			
			PLATE	(SS400)		***			
Ĺ			24.9 kg	× 12 pie	ces =	299 k	q		





DELVIER BESIGN ON PRICE REACTIVATION (2001) THE REPUBLIC OF EL SALVADOR

MIPPON KOEI CO.,LTD.



	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	PLATFORM I	Pay Item No. (BOQ)	20-PJ 0202
Quantity Item	FORM FOR COPING	Unit	m²

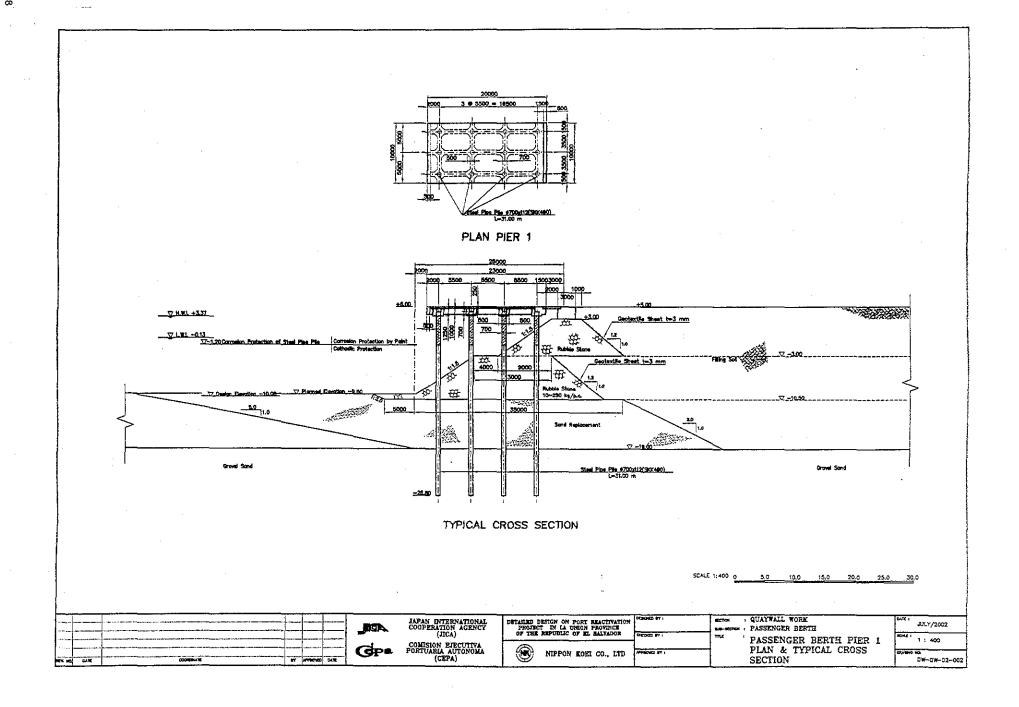
Form was computed for Platform 1.

References, Calculation Base and Revisions

Beleances: Tender Drawings:

DW-QW-02-002 Passinger Bulh Pice 1 Plon & Typical Coss Section

Rev	Prepa	ared	No. of	Chec	ked	Revie	wed	Superseded
TOV	by	Date	Pages	by	Date	by	Date	by Calc No.
0	hoda Gorúa 🕹	4		H. Inuma		Hr. Ando		
1								
2						<u></u>		
3					_			



(I) NIPPON KOEI CO.,LTD.

P	rc	Ŋξ	c		D	eta	aile	ed	De	esi	gn	_	Po	rt F	₹ea	acti	val	ior	ιP	oje	ect	in l	.a	Uni	on	-			Ca	alc.	Fi	e i	vo.		Γ			•	
S	e	cti	OI	1									1																Çé	ilc.	In	dex	٠N	o.	Γ				_
			ec		T) F												_	ıge					L	D,	ev.		_
_	_	Ţ,	T	Ť	+	Т	÷	Ĭ		Ė	_	1	7	_	_	<u> </u>	<u> </u>	1 (10	╄-	Τ-	_	{	_	_		<u> </u>	_	-	iye	1.4	J.	Б	of o	ron	ice:			
		╁	-	+	+-	╁		-			<u></u>						-	-	╁	\vdash	┢	┢		-	-		\vdash	-		\vdash	 	-	N.	ote	s S	ic o .	3/		
		1	ļ	╁┈	╁	+					-	İ٠					┞┈	T		<u> </u>	H	-	-					-	_	-		-		1	Ĭ	Π	<u> </u>	Ţ	Ţ
					1												2	}_												_	Γ	T		 		厂	Г		Ţ
		_	<u> </u>		X	=	=	_	1	3 8	7	<u>.</u>	4.	3	L	m		ļ	ļ	ļ		L					L	L											I
	_	-	\vdash	-	┼-	-					ļ			<u> </u>		<u> </u>		ļ	<u> </u>	 	ļ				_	_	_	_			ļ	<u> </u>	ļ	ļ		ļ	ļ_		╀
		┢	+-	┢	+	╁		-	-т	-	 	-		<u> </u>	-	-	 	┥	-	-	-			-				ļ	_				ļ.,		_			ļ	Ļ
-	┝	-		-	+	+-	4	=	-	┝	3	9	O		m	2	H	┝	-	<u>-</u> -	╢	-			ļ		-				-	├		-	┝	⊬	-	 	╀
		\dagger	1	╁┈	†-	+	+		1		Ť	ŕ			<u> </u>	-	-	<u> </u>			\vdash	 		-	 		 	┢				<u> </u>		-	-	-	-	-	╁
						T			_							_		Ţ_	1	\Box	T	1		 		-		 		-	 	┢			H	T	H	 	✝
		L				I					_																												Ī
	Ļ	-	-	_	1	1	\perp	_		<u> </u>	_	_		<u> </u>		_	_	上	<u> </u>	_	_		ļ				ļ	ļ	ļ		L	L		_		Ĺ	Ĺ.		ļ_
	-	-	-			-	- -				_	_	-			_	<u> </u>		\vdash	-	 -					<u> </u>		ļ	_	-	ŀ		_	_		\vdash			
		-	-	-	\vdash	+		-							-			-	<u> </u>			-	\vdash	\vdash	-			-		_	-	-		<u> </u>	-	 	 		1-
_	┝	t	+	\vdash	\dagger	t	+	\dashv			\vdash	<u> </u>					-	1-		\vdash	\vdash			-							-		-		-	-	├		+
						-																 	-							-	<u> </u>		<u> </u>		\vdash				†
	Ĺ			L	L			Ţ			Ľ										Ĺ.																	_	
_	<u> </u>	4	+	1	4	1	_	4		<u> </u>	ļ		1_	_	<u> </u>	ļ	_	<u> </u> _	ļ	<u> </u>	<u> </u>	<u> </u>	_	ļ	ļ	ļ		<u> </u>				<u> </u>						L	Ĺ
_	-	+	-	\vdash	+	+	+	\dashv		<u> </u>	<u> </u>	<u> </u>			느	<u> </u> -	<u> </u>	\vdash	\vdash	├	_	_		_	ļ	ļ			ļ	ļ		<u> </u>	 	_	_	<u> </u>	<u> </u>		-
	-	+	+	-	+	+	+	\dashv	_	 -	-	-		\vdash		-		├-	+-	├-	\vdash	-		<u> </u>		_		-	-	-	-	-	-	ļ.—	-	-	 	-	1
		+	╁╌	┼	+	-		-					<u> </u>							-															ļ	-		-	╀
					L		Ĭ					-							<u> </u>			-				<u> </u>			-										}-
		_	_	L								L						L																					
		\perp	╀	-	↓-	\perp	1	_			_	<u> </u>					<u> </u>			<u> </u>	<u> </u>	<u> </u>	_	_		<u> </u>		_	_				Ĺ.,	L.					L
	<u> </u>	+	-	╀	╀	+	+			_			_	-		L	<u> </u>	-	ļ		├-	┝.	_	ļ	_				ļ	<u> </u>			<u> </u>	_	L	Ļ		ļ.	-
	-	╁╌	╫	╁	╁	+	+			-		-	-	H	-			┞	├	-	┝	├-		 -			-	-	_		<u> </u>		L		-	├-		-	╀
	-	╁	+-	\vdash	╁	+	+	7		-	-	-		-	-		-	H	<u> </u>	-	-	┢	\vdash						\vdash			-				-			╁
		I	T.	1	T	İ	1														1	ļ		<u> </u>		 		-		\vdash				\vdash	\vdash				+
				L	\perp	I	_[\Box													_																		
	L.,	-	ļ	-	1.	-	- -	4			<u> </u>	<u> </u>	-				_		_	ļ	L					L	L	<u> </u>						L	Ĺ		Ľ	Ĺ	L
-		-		-	+	-		\dashv							_		_		-		_	-	<u> </u>	_	<u> </u>	<u> </u>	_	_	<u> </u>	<u> </u>	_	 	_	_	<u> </u> _	<u> </u>		<u> </u>	L
			-	\vdash	+	+	+	-			-					\vdash	-	-	\vdash	-	\vdash	-		-	-				\vdash	-	-	⊢	-	-	-	 	\vdash	-	╀
	-	H		t	t	+	+	+			\vdash							\vdash	\vdash		-	\vdash	\vdash	 	-		-	-		-	-	-	-	\vdash		\vdash	-	\vdash	+
_					I		1														Г	Ĺ								 		Г	Г						1
	Ĺ		$oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$	Ĺ		Ĺ	1	Ţ		Ĺ	L	Ĺ	L		_	L			Ĺ		\Box	Ľ	L																I
	ļ	1	1	-	1	+		_			ļ	_	ļ	<u> </u>	<u> </u>	 		上	<u> </u>	<u> </u>	<u> </u>	Ļ.			<u> </u>		<u> </u>	_	_	ļ		_			<u>L</u>		<u> </u>	_	Į
_	_	╁	+	╁	+-	+	+	\dashv					-		<u> </u>		-		-		-	_	<u> </u>	_	L	-		-	-		<u> </u>		L	ļ	_	<u> </u>	<u> </u>		-
_	\vdash	+-	+	+-	+-	+	+			-	\vdash	-	-	-	-	-		-	-		┢								<u> </u>	<u> </u>		-	H	\vdash	\vdash	\vdash			┞
_		T	+	\vdash	-	\dagger	1	\dashv		一	<u> </u>		\vdash	_		-		\vdash			+-	1							\vdash		-		 -	 -	 		1		H
_		<u> </u>		1	1														<u> </u>					Ĺ						_		†	l		-	<u> </u>		<u> </u>	t
		1	1			1	_[<u> </u>	L.	Ľ.	ļ	ļ					L					<u> </u>				Ĺ									•		I
	_	ŀ	\vdash	1-	-	+	+			-			<u> </u>		L	_		↓_	\vdash		_	_	_	_	_	ļ	<u> </u>	ļ	<u> </u>					_				ļ	Ĺ
	-	+	+	-	-						-			\vdash		<u> </u>	-	 	\vdash	-		\vdash	<u> </u> _	<u> </u>		\vdash	_		_		1	-	L	_		-	1-	\vdash	\downarrow
_	\vdash	+	+	+	+	+	+	\dashv			\vdash	-	-		-	-		\vdash	\vdash	\vdash	-	-	 	-	<u> </u>	-	 	\vdash	\vdash	-		-	}-	 		-	├-		}-
			T	İ		1	╧													_	-			\vdash				-	-						-				+
														Pr	epa	are	d b	у									C	100	ke	d b	.,				_	_		`	_
						Т				_				t	<u> </u>			<u></u>	-	Γ		1		/2	200	-	۳	100	100	u D	<u>y</u>		Γ		7		In	00	_
_		_				_	_				_			Ļ.,						Ļ_		1	_	121	٠v		<u> </u>		_				L		/		12	00	_

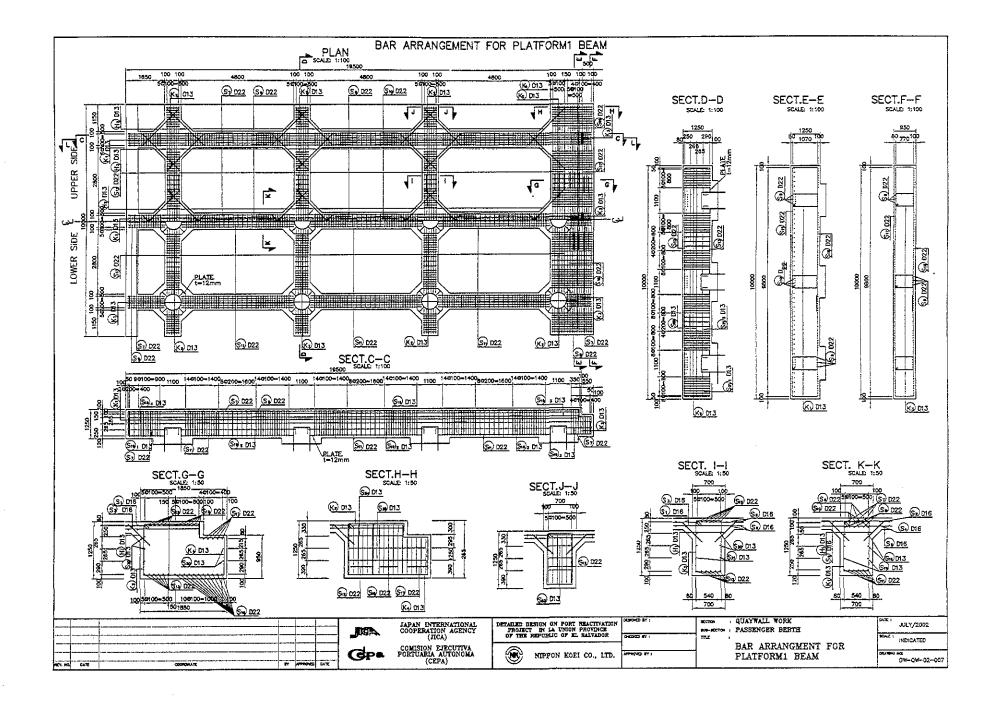
	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	PLATFORM 1	Pay item No. (BOQ)	2D-P10203
Quantity Item	REINTORCEMENT FOR LOPING	Unit	ton

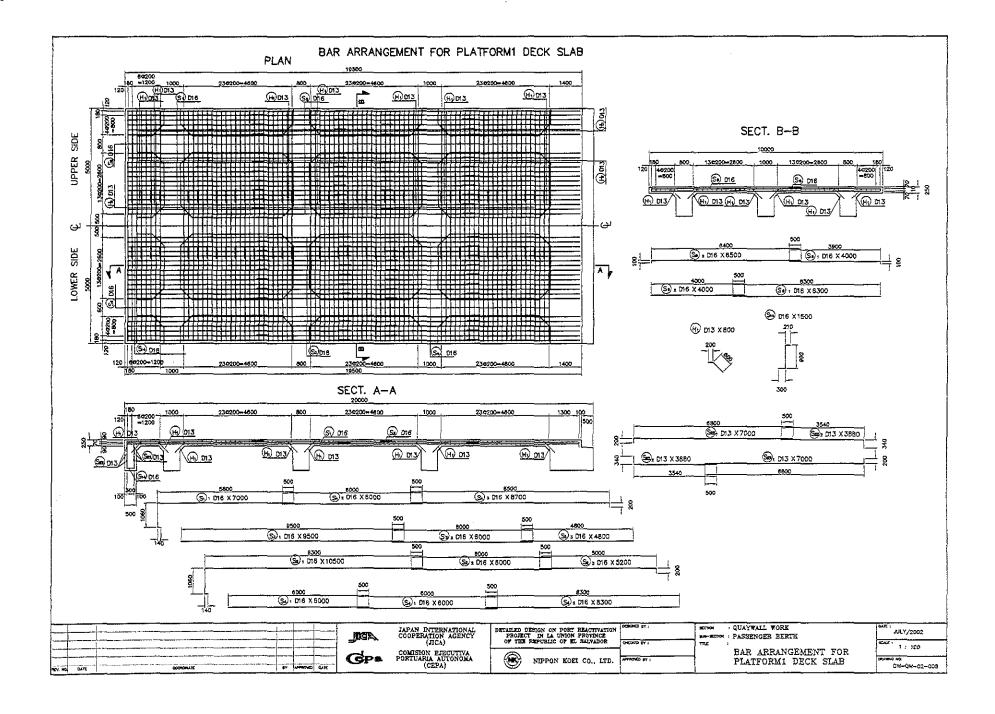
Reinforcement was computed for coping. It was computed summorizing all bor lengths for each type of diameter. These lengths were multiplied by the weight to abboin unit acight, it was multiplied by the lotal quentity.

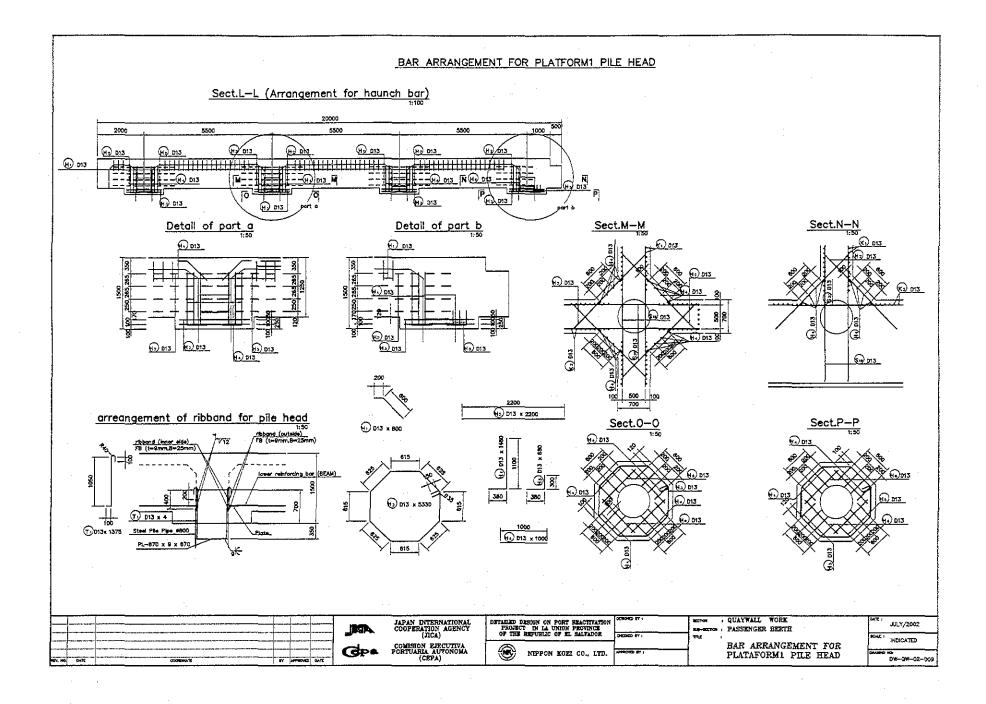
References, Calculation Base and Revisions

Refrances: Tender Drowings: from DW-QW-02-007 Box Arrange munt for Molform I Beam. To OW-QW-02-010 Box Bending Schidule for Plothorm I Beam.

Rev	Prep	ared	No. of	Chec	ked	Reviev	wed	Superseded
1164	by	Date	Pages	by	Date	by	Date	by Calc No.
0	Kola Goria	Z	_	Hr. Journa		Hr. Ando		
1								
2								
3		. :			. V	· se constitue		







BAR SCHEDULE FOR PLATFORM1

	AR lo.	DIA	LENGTH (mm)	UNIT WT.	D.T.Y.	WEIGHT (kg)	TOTAL WI.	SHAPE	REMARKS
+	11	016	7,000	1.56	20	10.920	218		
Ŝ	15	7.0	6.000	1,00	20	9.360	187		-
150	3		8,700		20	13.572	271		
1	17	- -	10,500		20	16.380	328		 -
Sīz	2	•	6,000		20	9,360	187		
ىپەر	1-2-	,	5,200			8.112	162		
\vdash	+		9.500		20 20	14.820	296		
S		 	6,000		20	9.360	187		
رد ا	3	-	4.800		20		150		
-	+	1				7,488 9,360			
Ŝ		 	6,000		40		374		
-			8,300		20	12,948	259		<u> </u>
Si	1	-	4,000		80	6.240	499		<u> </u>
<u> </u>	ــــــــــــــــــــــــــــــــــــــ	•	6,500		80	<u> 10,140</u>	811		
Si	11	,	6,300	1	80	9.828	786		
90	44	-	4,000	<u> </u>	80	6.240	499		
1	Ц	D22	8,500	3.04	9	25.840	233		
Siz	3	, ,	6,000	•	18	18,240	328		
-	-	•	6,060		9	18.422	166		ļ
۔ ا	1		9,800		9	29.792	268		
S	12	- 1	6,000	- 1	9	18.240	164		· ·
-	3	-	5,500	- 1	9	16.720	150		ļ
۔ ا	14-	-	7,000		9	21.280	192		
\$]•			6,000		18	18.240	328		
	<u>3</u>	,	7,560	•	9	22.982	207		
Γ	11		6,500		g	19.760	178		
Sic	2		6,000	•	9	18.240	164		
- 1	[3]		8.800	,	9	26.752	241		
	Sil		4,800	-		14.592	788		
-	T	•	5.740		54 24	_17.450	419		
Siz	2	,	9,000		24	27.360	657		
	313		2,800	-	48	8.512	409		
173	514	016	1.500	1.56	40	8.512 2.340	94		
	11	022	4,640	3.04	6	14,106	85		
Şıs	2	•	8,000		6	24.320	146	7.	
	111	4	6,500	, ,	11	19.760	217		
Sie	2	•	4,500		111	13.984	154		
10.	П	-	4,540	-	- 5	13.802	69		
S17	2	r ·	7,500		- 5	22,800	114		
		D13	6.000	0.995	12	5.970	72		
· c	2	,	6,000	,	241	5.970	143		
Sia	3	•	3,160	,	6	3.144	19		
į.	41	-	3.660	,	6	3.642	22		
		•	2,000	-	6	1.990	121		
Sis	2	•	5,400		18	5.373	97		
1	131		1,500	-	. 6	1,493	9	~	
-		•	3,660	•	16	3.642	58		
Seo	2		7.000		16	6.965	111		
_	17		1,500		141	1,493	21	~	
Szr	2	•	3,400	-	14	3.383	47		
	1	•	7,000	- ,	- 6	6.965	42		
See	121	•	3.880		<u> </u>	3,861	231		
	323		880	•	18	0.876	16	·	
	24_		1,530	,	_ 2	1.522	3		
	23		2,030			2.020	81		

	BAR No.	DIA	LENGTH (mm)	UNIT WT.	р.т.ү.	WEIGHT	TOTAL WT.	SHAPE	REMARKS
				D2 D1	2 5	,677 ,308			
				D1 TOTAL	3	703 1,688	kg		
П	Kı Kı	D13	3,480 3,560	0.995	381	3.463 3.542	1,319 850	<u> </u>	
	Ks Ks	1	2,880 4,500	,	15	2.866 4.478	43 269		
				D1.		.481 .481	lea .		
L	He	D13	800 (0.995		0.796	kg 444		
	H ₂	•	2,200 5,330	3	168	2.189 5.303	368 127	<u> </u>	
	H ₄ H ₅		1,480 680 1,000	-	168 24 48	1.473 0.677 0.995	247 16 48	===	
				01.	3 1	.250 ,250			
				TOTAL	!	,250	kg		
0				02. D1	6 .5	.677 .308			
A				D1. TOTAL		,434 i,419_	kq		
			PLATE 70.2 kg	(\$\$400) ×12 pie	ces =	842	kg		
ļ	ri ri	ppond(55400)outs S\$400)inne		.77 kg .77 kg	/m x 2.2 /m x 2.0	0m x 24 6m x 24	pieces =	93.5 kg 87.5 kg 181.0 kg
									101.0 86
			CONCRETE	VOLUME FORM	14 38	0.850 17.434	m3 m2		
	Ţı	D13	1,375	0.995	48	1.368	56		i
	- <u>-</u>			D13 TOTAL	3 60 60				
╝			PLATE 24,9 kc	(\$\$400) ×12 pie	ces =	299	(q		

Gpa	

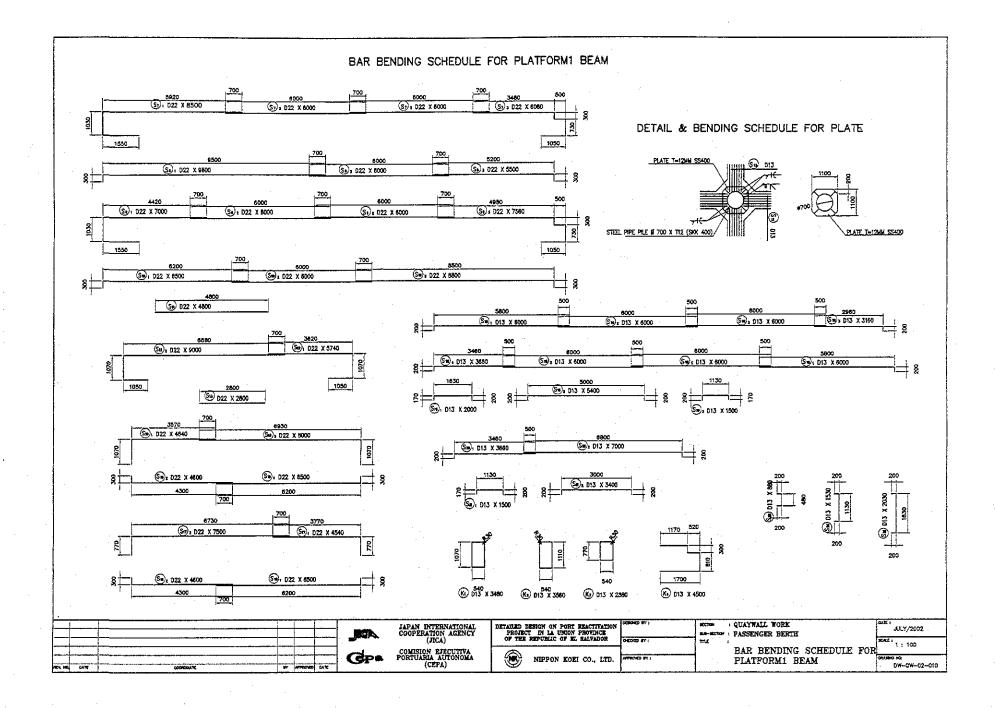
JAPAN INTERNATIONAL COOPERATION AGENCY (HCA)

COMPTON EIECTTIVA POLITICIST ATTOMOSY

PE	11311	IN LA	UNI	os.	REACTIVA PROVINCI SALVADO	
0	9					



BAR SCHEDULE FOR PRATFORMI - 411 6 - 114



(I) NIPPON KOEI CO,,LTD,

		je			De	iai	led	D	esi	gn	on	Po	rt F	lea	cti	vat	ion	Pi	ο ί	ect	in l	a	Uni	on				Ca	alc.	Fi	le l	No.						
Se	90	ti	or			121	LΑ	1‡	0	15	11		1															Cε	ılc.	In	dex	x N	o.	Γ				
Sı	uk	ijε	c	t	12.	71	FO,	nci	EM	CA	JΤ		FC	2		C	OP.	11	ی د	}								Pσ	ıge	N	Э.				Re	eγ,		
-										-	_																						efe ote		ice			
			_																						<u> </u>						\vdash			Ĭ			<u> </u>	Τ
_	_		D	2	2	_		5	, (7	7_	(c		-0	_		۶	<u>Z</u>		0	<u> </u>	<u> </u>			L							L		Ţ_	L		L	Ī.,
+						_	-		-	 -										ļ	-	-	-		-	<u> </u>			-	_		-	┢	-	-	-	-	╀
1			D	10		==		5). ·	80	0	G		~	_	5		4		6	2														İ.,	_	 	t
-							ļ ,	_	_	L	ļ	,							<u> </u>			-		_						\Box	_	L	Γ			ļ_		Ţ
+			D	<u>13</u>	<u>'</u> '	=		4		13	4	Į,		2		<u> </u>	1.	5	 - -	0,	_			 		-			\vdash	-	-	┞	-	├	-	├		+
1			رية	,.		-		<u>'</u>	ř-)					~			Ė						-						-	-	一	 	-	t
				_						_														_												Ī_		I
-							-	-	-	├	-				_	_			-		_		-		- <u>-</u> -	ļ				-	_	┢	-	-	 	-	\vdash	+
1			\bigvee	7	=		5/	Ø	77		E	5	, 3	öε		+	4	, 4	31)		9	-		15		71	3	1	1_						1		ţ
-			_	_		7	<u> </u>			-												Γ							[_	_	_						_	1
+			-	-	-	_	-		-	-	-	-	 -		-	_	~	<u>_</u>		15	5.	5	-	1	on	-	_	-	<u> </u>		\vdash		}-	\vdash	├	1-	-	1
	_			_															L								-			-			T	 		 	-	t
1	_]				_			_	_	<u> </u>					_	Ĺ			ļ	_	lacksquare		L	ļ						\Box			_		ļ	1		1
+		_		<u> </u>		<u> </u>	-	├	 	-	-				_		_	\vdash		-	ļ	-	-	<u> </u>	-			-		-		₽	╀	-	\vdash	├	-	ł
1			-																			 							-	-			 	T	\vdash			-
1			L			L.			<u> </u>					L	ļ_	<u></u>			ļ	_		ļ	_		Ļ					ļ	ļ_		L	Ţ		_	Ţ_	ļ
+	4			_	-					┝╌	-				-			-				-	-				<u> </u>	-	-	-	H	-	\vdash	┼-	├	├	-	+
												<u> </u>								_				_						┢	Ι.			╁				1
4	_						-		_	L					<u> </u>	_			ļ	<u> </u>	-		L	<u> </u> _					_	_		L	L	L				ļ
+				 	ļ	_	-		┢	-	-	-			_	<u> </u>		ļ		_		<u> </u>	ļ	-		-				-			 	┼-	-	╁	-	+
1																														_		L	 					1
1						_	-		-	_								_	_			ļ			_							_			_	F	_	1
1	_		-		-		 -	-		┝	H		-				┞		H	-		<u>-</u> -	-	-	-		-	-	-	_	\vdash	Ͱ	-	-	-	├		ł
1																												_					t	上	Í			Í
-							_		-	<u> </u>					L	_	_	<u> </u>	_		L		ļ_	L					ļ_		L	Ĺ	L	1		ļ_		1
+	-				-	-	\vdash	-	-	+-	 		-		-	\vdash			-	 	-		-	-		<u> </u>		-	-	-	_	\vdash	\vdash	-	\vdash	 	-	ł
1	_								<u> </u>																								L	Ĺ				1
+		_	_	ļ			-	-	_	├-	_			<u> </u>	-	\vdash	_	_	-	ļ	-	<u> </u> _	_	<u> </u>		-	_	\vdash	_	-	ļ	-	_	-	ļ	<u> </u>	-	+
+	_			-	-		-		-	-	-	\vdash	-		\vdash	-			-				-		\vdash	-	-			-	\vdash	┢		-	+	\vdash	\vdash	ŧ
1																							_										1			I		1
4			_			-	-	_	-	-	\vdash		_	_	_	_	\vdash	\vdash	-	<u> </u>	-	-	-	-		<u>_</u>	_		-		_	1	-	+			\vdash	-
+		-	-		\vdash		 	\vdash	\vdash	-	-			-	-	H			\vdash	-	-	┢	┝	\vdash	ļ.—	-			-		\vdash	┞	+	-	+-	\vdash		+
1																		_								_				<u> </u>					上	I		1
-				<u> </u>		_	-	<u> </u>		-	-	<u> </u>	<u> </u>	-	_	<u> </u>	_	-	<u> </u>		\vdash	H	_	_	<u> </u>	<u> </u>	_	_	<u> </u>	<u> </u>	1	L	-	-	-	\vdash	-	+
+		H	H		_	-	1-	-	+	+	-			\vdash	-	-	 -		-	\vdash	-		-	\vdash	-	-		-	-	-	├	1-	+	+	\vdash	\vdash	-	1
1																									L				_				L			<u> </u>		1
_		_							<u></u>	<u>L_</u>	<u> </u>	<u> </u>		L		L,		<u>L.</u>		L		Щ	L	_	_	_					Ĺ	L			Ĺ			_
_										<u>.</u>			Pr	ep	are	d b	У						_			CI	nec	ke	<u>d b</u>	У		_						
													İ								1		/2	00		l								1		/2	00	ļ

	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	PLATFORM 1	Pay Item No. (BOQ)	2D-P10204
Quantity Item	COENER PROTECTION	Unit	m ·

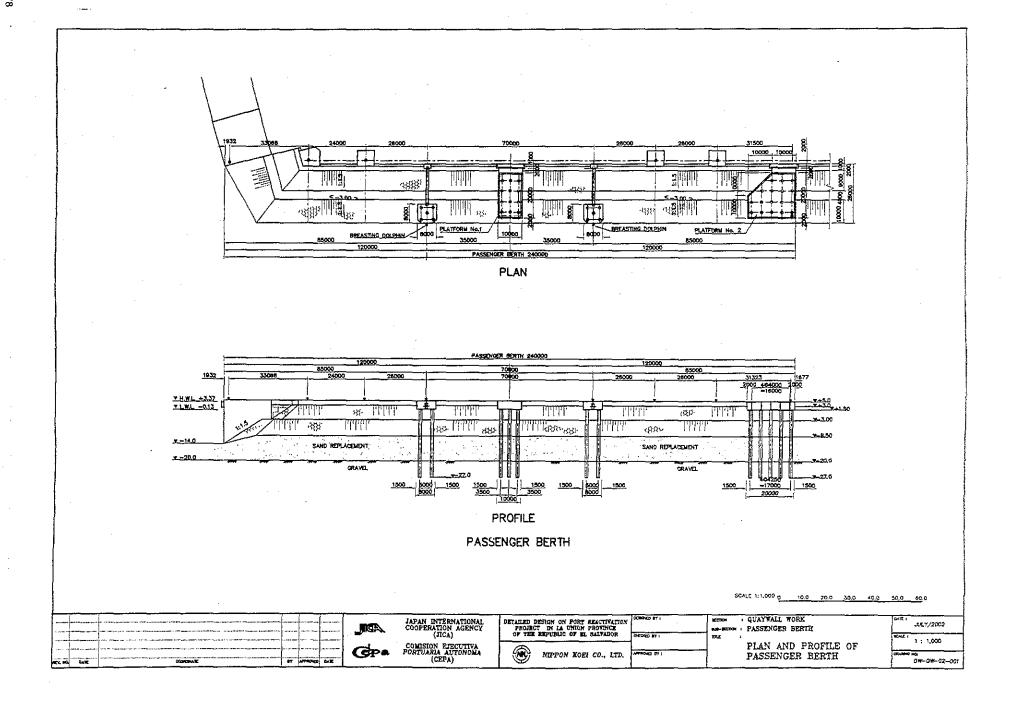
Corner protection length was computed for platform 1. It was applied in one side of the platform.

References, Calculation Base and Revisions

References: Tender Drowings:

DW-QW-02-001 Plan and Proble of Passenger
Beth.

Rev	Prepa	ared	No. of	Chec	ked	Revie	wed	Superseded
	by	Date	Pages	by	Date	by	Date	by Calc No.
0	haila Goria	4	-	H. Journa		Hr. Ando		
1							···	
2						-		
3							···-	



® NIPPON KOEI CO.,LTD.

		ρje				De						on			Rea	acti	va	tior	P	roje	ect	in l	_a	Uni	on				_	alc.					L				
S	e	ct	İÇ	n	1	L	р	Ľ/	174	FOI	2 <u>1</u>	1		1										سنرويت					Ca	alc.	In	de	ķΝ	0.					
31	u	bj	e	cl	t		\mathcal{C}	00	IJτ	CR.		P	20	TΕ	ic	۲۱٤)VI)																		Re	ev.		
	_		Ţ										_						1														R	918	ren	ces	s/		-
4		╀				-	_	-	-	-	<u> </u>	-		<u> </u>	_	ļ	ļ		_		_			<u> </u>	ļ. <u> </u>		_	_					N	ote	S		 -		_
+		╀	+	-		-	-	-	1	1	-	1	 	L	_	-	<u> </u>	-			H		ļ							_	-	ļ	-	ļ	-	Ł	ļ		╀
1		l	+		t		Ė	╫	İΤ	1)	-	卜	╁╂╴					\vdash					-					-	<u> </u>		├-	-	┢	\vdash	┢	-		t
		L						L				ļ.,	Ļ.		ļ	 	-	ļ	T.						-		_					<u> </u>	-	<u> </u>	T	\vdash		-	t
		L	1				L	L	L	Ţ	\downarrow	L		L	L																								Ţ
-		 -		-	<u> </u>	-	├	├-	_	-	ļ_	ļ	-	ļ	ļ	Ļ	}	-	<u> </u>	ļ		<u> </u>	<u> </u>	<u> </u>	_	L	ļ	<u> </u>	ļ_	<u> </u>	ļ	ļ.,	 	<u> </u>	L	L	<u> </u>		1
\dashv	-	+	+			-	-	├	-		╁	+	╁	-			-	-	-	-		-				-	<u>. </u>			-			 		⊢	-			ł
7		t	†			-	\vdash	├-		t	1	╁	T		-							-		-		-		-	-	┢┈			┢	-					t
_].																L															1	_				j
4		1	4	4				 	L	-		ļ.	↓	ļ	_	ļ	ļ .	_					ļ	_				<u> </u>					L	_	<u> </u> _	L	ļ.,	L	ļ
-		-	+	4			-	-	┼-	+	-	╁	├-	├	<u> </u>	-	 	├-			-		├-	\vdash	-		-	-	_	-	_	_	L	\vdash	\vdash	\vdash	\vdash	<u> </u>	-
-	-	+	\dagger				+-	十	-	+	+	-	+		 	-	-	 	-		 -	 	 		-	 	\vdash	\vdash		 		-	1	+-	-	+		-	f
╛		L	1																															L					t
_		1	4	_		<u> </u>	L	<u> </u> _		F	L	Ĺ	L				ļ	L				_	Ļ_		L					Ĺ					L			L	ſ
-		+	+	-				├-	 -	-	╬	+-	╀			 			-			-	-				ļ	<u> </u>	<u> </u>	ļ	ļ	-	┡	ļ	 	\vdash	\vdash	-	1
-	-	t	-	1				 	\vdash	+	1		╁				-	-	-	 		\vdash	-		-				 	\vdash	\vdash		┞	\vdash	\vdash	-	\vdash	-	-
		L	1																																				I
4	<u> </u>	1	4	_		ļ	_	1	ļ	_	ļ	ļ_	<u> </u>		<u> </u>	ļ		L		Ĺ			ļ	<u> </u>		<u> </u>	ļ					<u> </u>					\Box		ľ
-{		╀	4			ĺ	⊢	-	-	+	┡	\vdash	\vdash	 	-	-	ļ	<u> </u>	 	<u> </u>	ļ	ļ. 	ļ_	-		-					_		_	_	<u> </u> -	<u> </u>		<u> </u>	1
1		╁	\dagger				┢	╁╌	┢	+-	╁	+		╁╴	┢	-				\vdash		<u> </u>	-	-	\vdash	 -		-	-	-		-		-	\vdash	-	-		ŀ
							Ľ.					T	1	-					_				<u> </u>						┢	_		\vdash			Н		\vdash	-	t
_		1	4			<u> </u>	ļ_	_	L.	ļ	ļ.,		ļ.,	L									Ĺ.													<u> </u>			Ī
_		-	+				┢	-	┼-	-	ļ	╁	-	├	-		<u> </u>		<u> </u>	-	_	_	-	_	_			<u> </u>		-	ļ		_	<u> </u>	-	┞		-	ŀ
-	-	┢	+	-		┢	┢	╁	-	╁	\vdash	╁╴	-	├		-	<u> </u>	╁┈							ļ		-	-	-	<u> </u>	_		-		 			-	ŀ
		İ	1				Ĺ													_				ļ		ĺ	İ						t		ļ				t
_	_	1	1									L					Ι.																						
		-	+				 	 -		+	+	+	-			_			<u> </u>		ļ			<u> </u>					L							<u> </u>			ļ
-	-	+	╁	-	<u>L</u> .	-	H	-	\vdash	+-	┼-	-	┼~		\vdash		-	-		-	\vdash		-	-		_			<u> </u>	<u> </u>		-		-		\vdash		<u> </u>	ł
		İ	1						1	1	1	-	T					-					L^-		 		-		<u> </u>				-	 		 -			t
		Ļ	Ţ											_				Ĺ																ļ.					ľ
		1	4	-		 -	<u> </u>	 	\vdash	+	-	+-	-	Ļ.	-	-	 	\vdash	\vdash	<u> </u>	\vdash	\vdash	-						_	_		_	ļ	_	ļ				ľ
	H	+	+	-		-	\vdash	┼-	-	╁	 -		┢		\vdash				ļ				-	\vdash			 - -	-				-	-	<u> </u>	<u> </u>			_	-
			1								t	\dagger	\vdash					1		-	 	\vdash		-		-	<u> </u>		\vdash	┝╴	-				-	\vdash	-		+
		T	Ţ								L	1	Ţ.				L			L				_															İ
_	-	+	+	_		\vdash	-	 	-	4-	1	1	-	<u> </u>	ļ	<u> </u>	ļ	<u> </u>	<u> </u>	_	_	<u> </u>	_	_		<u> </u>	ļ	ļ	_	ļ					<u> </u>	<u> </u>			Ĺ
_	-	+	+	-		\vdash	┼-	+-	+-	+-	+-	+-	╁	-		-1	-		-	-			-	 	-	-	-	 	-	<u> </u>	-	-	-	<u> </u>	├-	-		-	ŀ
-	-	-	1			l	1	†	-	╁	╁	+-	†	-		 -	\vdash	-	-	-		 	 	-	 	 	-	-		-		-	\vdash	\vdash		+-	H	-	1
			1																																				İ
_	_	-	1			_		ļ_	L	-	L	1	L	_	L			L	<u> </u>				ļ	_					Ĺ							Ļ			I
-	\vdash	1	+	-	_	-		 	-	+	\vdash	+	-		-	\vdash	<u> </u>	-	_			-		_			Ė			_	_		-	-	-	<u> </u>	1	ļ	L
\dashv	H	+	\dagger			H	H	†-	+	╁	+	+	╁╌	1	-	-	 	┢	\vdash	<u> </u>			╁			-	-	\vdash	-			-	1-	-	-	-		-	-
											-	4.Actua		Pr	ep:	are	d t	γ		•				_		_	C	160	ko	d b	١,	•	4			<u></u>	_	_	_
	_		_											†-	<u> </u>					γ_	•	/	_	12	nn		 ~	,00	,,61		<u></u>		Г	-	7		for	20	-
		,						_						Ĺ.,						Ĺ		/		/2	00									•	1		/20	00)

	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	PLATFORM 1	Pay Item No. (BOQ)	2D-PJ02,05
Quantity Item	CONCRETE FOR WRB	Unit	м³

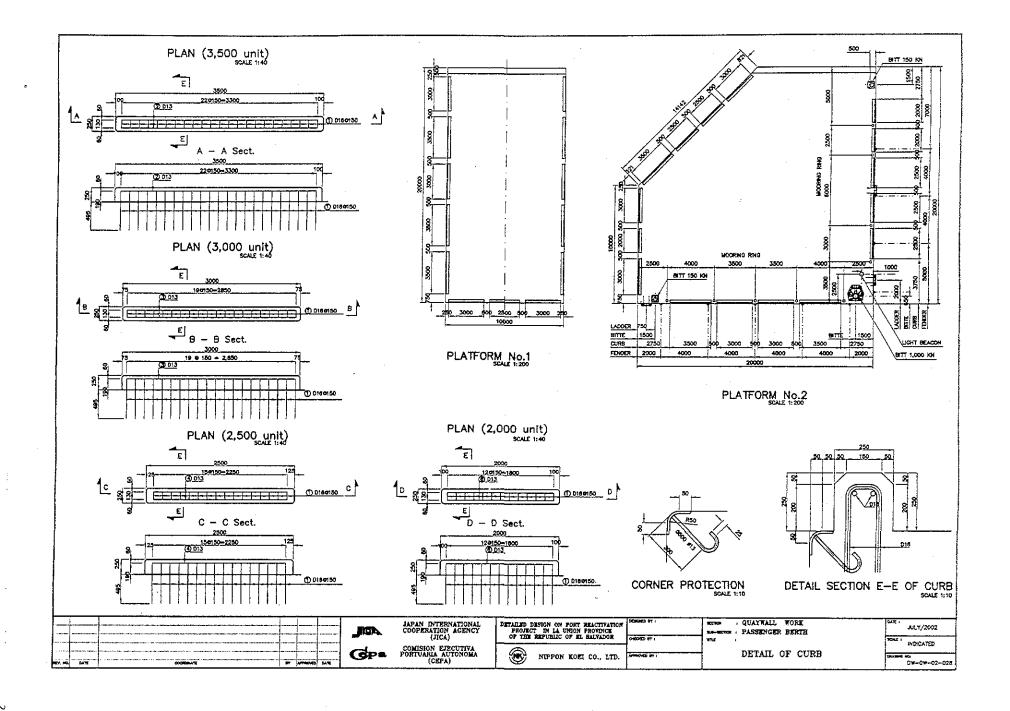
Consider how with was computed for plothorm 1. Concrete volume was computed for each type of with. The cross section was multiplied by the different types of length's.

References, Calculation Base and Revisions

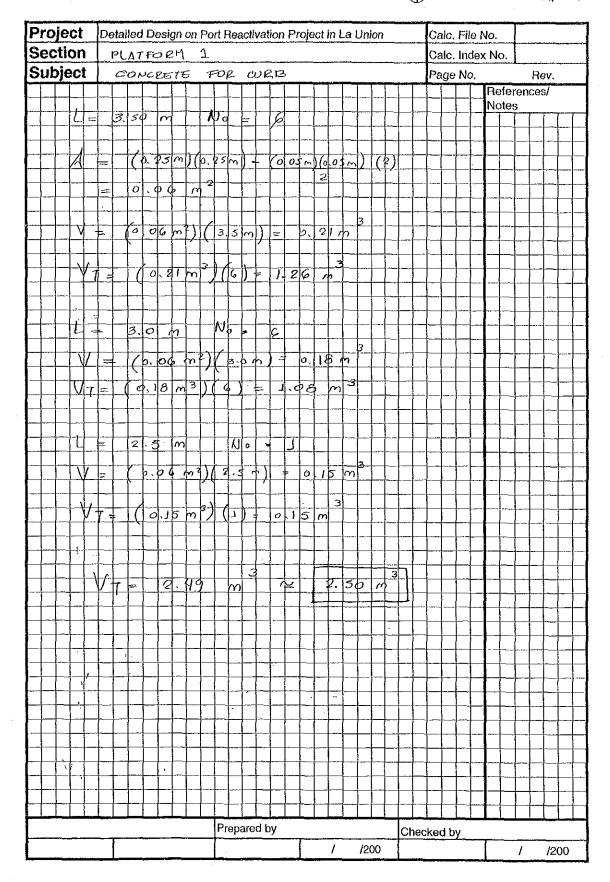
Retennes: Tender Drowings

DW-aw-02-028 Detail of Curb

Rev	Prepa	red	No. of	Chec	ked	Revie	ewed	Superseded
1167	by	Date	Pages	by	Date	by	Date	by Calc No.
0	Kola Guaro	\		Mr. Journa		Mr. Ando		
1	_							
2								
3	3 1							



(I) NIPPON KOEI CO.,LTD.



FN: Calculation_Sheet