QUANTITY CALCULATION

BUILDING WORK

[3B; CONTAINER FREIGHT STATION]

AUGUST 2002

3B01: EARTHWORKS

EM	7-7-7-7-7-1-7-1-7-1-7-1-7-1-7-1-7-1-7-1		LOCATION	OTY	QUANTITY CALCULATION	TOTAL QTY.	
10.	DESCRIPTION	UNIT					
0101 E	Excavation for PILE_CAP	m3	F1	28	1.35*(1.2*2.1+0.9*1.2+0.9*2.1+0.9*0.9*2)*28	268.76	
			F2	3	0.85*(1.2*2.2+0.9*1.2+0.9*2.2+0.9*0.9*2)*3	18.67	
			<u> </u>		0.83 (1.2 2.2+0.9 1.2+0.9 2.2+0.9 0.9 2) 3	10.01	
			Platform Fou	ndation	((0.4+1.1)*1.35*0.5*2+1.35*1.6)*(75+3.2*2)*2	681.32	
					SUB TOTAL	968.74	
					SUBTOTAL	900.14	
0101 E	Backfilling for Slab	m3	1st Stage to	L+0	968.74-(Pilecap ;225.58 +Platform Found. ;0.95*0.2*201)	704.97	
						0400.00	
·			2nd Stage to	Slab_	Profile of BLDG ;3142.5*0.85 - (FB;203.96 +Platform Wall;0.85*0.2*201)	2433.00	
				· · · · · · · · · · · · · · · · · · ·	SUB TOTAL	3137.97	
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•]							
				<u> </u>			, '
-				·			
				·			
				·			CALCULATION
				-			Detailed Design
		<u> </u>					t Reactivation Projec
	TOTAL			<u> </u>			ι Reactivation Projet La Union Province
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			-			CALC IND	EX No.: PAGE
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						PREPARE	DBY P.Z :
		•				CHECKED	

LA UNION PORT DEVELOPMENT PROJECT BUILDING WORK

PAY ITEM NO	DISCRIPTION		TOTAL Qty	UNIT SUB TOTAL				CALCULATION	
3B02	PIPE WORKS								
*	P1 P2	400*400 450*450	56 6	Nos Nos					
		sum	62	Nos					
	CONCRETE		71,24	m3 62.72 8.52	1.12 1.42	*	56 6		
	STRAND ROPE (6-φ1/2")		2604.00	m 2604.00	42.0	*	62		
	D16	·	1887.90	Kg 1887.90	30.45	*	62		
	D10 (SPIRAL)		5678.86	Kg 5068.00 610.86	90.5 101.81	*	56 6		
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				-	,				
		1							

CALCULATION

Detailed Design

on Port Reactivation Project
in La Union Province

CALC FILE No.:

CALC INDEX No.: PAGE 05

PREPARED BY Y-F Jul.

PILE

[3B03 CONCRETE AND FORMWORK]

SUMMARY OF ITEM BASE

			Concrete	Forming				St	eel Bar (m))			
	Page	Item	(m3)	(m2)	D10	D13	D16	D19	D22	D25	D29	D32	Total
	1	Foundation	225.58	1094.04		17209.2	904.2			`			
		Foundation Beam	206.31	1243.42	5301.1	8114				3919.7			
	3	Column	57.35	363.20	1625.25				4146.56				
	4	Slab	610.73		2357.3	51638.47	25089.4				<u> </u>	•	
			_ .										
			-								<u>-</u>		
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			- <u> </u>								i		
1.4						.,							
			_										
			1099.96	2700.66	9283.62	76961.7	25993.6		4146.56	3919.7	-		
		Sub Total											
1			Unit We	ght (Kg/m)	0.56	0.995	1.56	2.25	3.04	3.98	5.04	6.23	
									40.04	45.00			450.55
			Net Weg	ght (ton)	5.20	76.58	40.55		12.61	15.60			150.53
CALCULAT	100	 	Gross	Weght									
			including loss		5.41	79.64	42.17		13.11	16.22			156.55
Detailed De		1 11											
ort Boartivat	L	d-t 11					1		·				

Detailed Design
on Port Reactivation Project
in La Union Province

CALC FILE No.:

CALC INDEX No.: PAGE 060

INITIAL DATE

PREPARED BY F. Jul. 02

CHECKED BY LOGA Angon

NIPPON KOEI CO., LTD. July 2002

[3B03 CONCRETE AND FORMWORK]

SUMMARY OF FL BASE (1)

tgamaka aleharan garis	and the second s		88 B B B			CONCRETE (m	3):::	e in grand in v	g01-44,32*1	Number of the second	avyovekské klenér			
Floor	Fundation	Foundation Beam	Foundation Slab	Column	Beam	Sub-Beam	Slab	Wall	Stair	Misa.			Floor Area	m3/Floor Area
-1FL	225,58	206.31		21.29			610.73					1063.91		
+1FL				36.06								36.06		
				6000			610.73		- !			1099.97		
Total	225.58	206,31		57.35			610.731		-[
m3/F Area						1			 -	1				

His seen sensit in hij blocker in a million of	<u> </u>			FUHMING (m2)	Mi saa ay reg		3-10-00-00-00-00-00-00-00-00-00-00-00-00-	1	esidenda kity ili izazio si		
Floor	Fundation	Foundation Foundatio	Column Beam	Sub-Beam	Stab	Wall	Stair	Misc.			Ficor Area m2/Fio
FL	1094.04	1243,42	135.01							2472.48	
FL			228.19							228.19	
Total	1094.04	1243.42	363.2							2700,66	
2/F Area						1		1			
m2/m3				- 		-		i			

SUMMARY OF FL BASE (2)

Floor	Fundation .	Foundation Beam	Foundation Slab	Column	Seam	Sub-Beam	Slab	, Wall	Stair	Misc.		Total	Floor Area	kg/Floor Are
-1FL	19,275.1	27,708.2		14,056.3		i	94,140.6					155,180.1		
+1FL							1,372,9					1,372.9		
Total	19,275.1	27,708.2		14,056.3			95,513.5					156,553.0		-
kg/F Area	-					i			<u> </u>	<u> </u>				<u> </u>
kg/m2	,									1		<u> </u>		<u> </u>
gergajanta, karda lisin kebabat	nu tawa kujihan yah	ang kagi dalam s	y hat vite	Salah Sagarat Lagar	producting a	STEEL BAR (k	e) nzakonikiri (توالي المراجع الموجع الإر	of the form	yan keralah sala	ماروان معرب والأراضا أمرول			Mark States
Part	D10	D13	D16	D19	D22	D25	D29	D32					1	
Foundation	1	17,808.1	1,467.0	,				i						1
Foundation Beam	3,087.3	8,396.4				16,224.5								
Mat Siab									_					ļ
Column	946.5				13,109.8			}	_	<u> </u>				J
Beam													!	<u> </u>
Sub-Beam														
Slab Wall	1,372.9	53,435.5	40,705.1			L,					ļ			
													ļ	-
Steir										- A-1	CULATION	_ 	ļ	
Misc.	_							<u></u>	3	UM	HOOFWI ION			
	5,406.8	79,639,9	42,172.0		13,109,8	16,224.5		<u> </u>	5	De	tailed Design			
Total	5,400.0	7 3,033.3	72,172.0		10,100.0	10,224.0			1	+	teactivation P	raia a		1

in La Union Province

CALC FILE No.:

CALC INDEX No.: PAGE Ob/

INITIAL DATE

PREPARED BY LF Jul.04

CHECKED BY LOH Augoz

NIPPON KOEI CO., LTD. July 2002

Detailed design on Port reactivation Project in La Unin Province

FOUNDATION QUANTITY CALCULATION

г Т	D10	D13	U16	י פוט	D22	D25	D29	D32
Hook.	0.10	0.14	0.17	0.23	0.27	0.30	0.35	0.38
T150	0.15	0.20	0.24	0.29	0.33	0.38	0.44	0.48
250	0.25	0.33	0.40	0.48	0.55	0.63	0.73	0.80
35d	0.35	0.46	0.56	0.67	0.77	0.88	1.02	1.12
400	0.40	0.52	0.64	0.76	0.88	1,00	1.15	1.28

	T	CC	NCRETE	=			FORM	/ING								STEE	L BAR				,	
Symbol	Width (m)	Length (m:)	Thick (m.)	Q'ty	Total (m3)	Width (m)	Length (m)		Total (m²)	Symbol	Dia (mm)	Length (mr_L	Nos	Q'ty	D10	D13	D16	D19	D22	D25	D29	D32
1	2.101	1.20	0.70	28		6.60		28		B.L	16	2.10				المعارض والمراجع	411.6		The South Land Comment	1970 V		1,42,163
					2 - 2 - 2 - 2 - 2					B.L	16	1.20						14.0000000		100		
									7.1.1.17 7	T.L	13	3.90			41.79 2.75	546.0		(25 A. 1)	in the transfers,	- A - A - A - A - A - A - A - A - A - A		
	1				Agreement of the				7 7 1 6	T.L	13	3.00	12	28		1008.0			Part or commit			
					3.5 M. 1995 M.			i							Niskol Lighti			100000	<u> </u>	3.2		
2	2.2	1.2	0.7	3	5.54	6.80	0.70	3	14.28	B.L	16		7				46.2		10000		(A) 40 (S)	-
								j		B.L	16		12				43.2	980 (490)		=;		
					apai, stojai				wy poddied i	T.L	13		5			60.0				440), (W. 1111)		
					1.5				to the second	T,L	13	3.00	12	3		108.0) Paramatan	A 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1.0.2	13 14 Walter		2. 3.
					ATT TO SHOULD A				man i serjen	L	ļ			<u> </u>	leading the	100		9.00			<u> </u>	(A) (A)
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oundation					1.15.4			<u> </u>			13		1080		7 N T 70, 1	1944.0			1000	3,5 9 5		(
					2 At 3 2 25					B.B		108.00			<u> </u>	1944.0	The second second			75 x x x x 1 11		
								.[13	1.80	1080	 			r prijest i Serveri. Deserveries prijest	Barrier, tally	ļ			
					2.2				842.40	1 0 0 P	13		1080			5335.2		400 10 11 Nagrada 1	- 7 3 7			
ATFORM	1.95	216	0.2	1	84.24	432.00	1.95	1		HW.B		108.00			7 (ee	4320.0			din personalis. Din anno 1, sang	2. 22 X	3 25 5	
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Sub-Total				 	-V			<u> </u>	.,,,,,		1			(kg)		17123.2			Ť _		INITIAL	. DA
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Detailed design on Port reactivation Project in La Unin Province

CALCULATION Detailed Dasign on Port Reactivation Project In La Union Province

Quantity calculation Sheet Container Freight Station

FOUNDATION BEAM QUANTITY CALCULATION

·									L	ARED SY	1.7	<u>- F-</u>	120	7742	-11	0.52						
			ONCRET	E			FURI		. (die:	KED_DY	$\perp Z$	144	Au	202	1	STEEL	L BAR					
Symbol	Width	, .	Thick	Q'ty	Total	Width	Length	Q'ty	_Tetal	Symbol	Dia	Longth	Nos	Q'ty	D10	D13	D16	D19	D22	D25	D29	D32
FB-1	(m.) 0.35	(m_) 1.20	(m [.]) 6.97	6	(m3) 17.56	(m) 2.40	(m.) 6.97	6	100:37	TD	25	35.52	3	3	5 5 1		-	1 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	115.5.1	319.7	light (grade &)	14 4 44 8
1,2,1136	0.35		6.92	6	17.44	2.40			99.65		25	35.52	3	3	****			7		319.7		-
1,2,11125	0.30	1.20	0.52			2.40	0.82			STR	25 13	3.10	36			669.6	200		1. 1.03464	0.0.7		
										STR	13	3.10	36	6		669.6		25 - 27 22		2 47 1 3 W		
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	·									Tie	10	0.35	32	- 6		24 - 7						
FB-1	0.35	1.20	29.52	8	99.19	2.40	29.52		566.78		- 25	35.52	32	8	072	<u> </u>				852.5		
3~10i ∄		1.20	29.02		95,15				300.70	B.B	25 25 13	35.52	3			779 5	2 2 2		-	852.5		2 2 2
3 101E								· }		STR	13	3.10	149	8		3695.2	 -			002.0	Total Silver	
								<u> </u>	· · · · ·	W.B	10	31.42	-178		2010.9			-				A
				 				<u> </u>		Tie	10	0.35	125	<u>ĕ</u>	350.0	4 4 4 5 5	A Section 1			Company of the		
FR-2	0.30	1.20	6.75		2.43	2.40	6.75		16.20		25	18.25	3		- 000.0	(408)		7.7	A-12. 194.1	54.8	41.2	
FB-2 A通	0.30			9	22.42	2.40			149.47		25	69.42		;			27. 27. 23			208.3		
			0.02	-					- 10117	B.B	25	18.25	- 3		5 7 7 5	* 1	1 1 1 1 1 1 1 1	0.00		54.8		-
				·				:		B.B	25	69.42	3	4	71, 1 Sec 1 Sec.	See Trailing		1.000	N W	208.3	44 44 44	January
ļ			·						2.1	STR	13	3.10	35			108.5	1000000				0.73 m	27.17
				i— i)		STR	13	3.10	36	9		1004.4		1.0		47 92 Thus	5 5 5 5 5 5	1.5
		*			- 				3, 5x 4; 6 x .	W.B	10	15.35	- 8	1	122.8	3 gr 1287	14.0	177 27 15 N		7 July 199		
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								1		Tie	10	0.30	32	10				1.00	0.000			7
FB-2	0.30	1.20	6.75	7	2.43	2.40	6.75		16.20		25	18.25	3	1			V		45 Par 1	54.8		-
FB-2 E∭A	0.30		6.92	9	22,42	2.40		9	149.47		25		3		137 9		 	12.00	 	182.8		
						71111		}		т.в	25	9.92	3		1. 1	1.000		Te. A .		29.8		1.59
								1		B.8	25	18.25	3		7, -1	or Arrive	13.1 × 13.			54.8		
				-				;		B.B	25	60.92	3	1		100 July		10.00	1	. 182.8	. vist 6' .	m. 1 v. 11
			• • • • • • • • • • • • • • • • • • • •	1				i	-	В.В	25	9.92	3	1	100	- 44	100		July 1, 51.	29.8		
								1	·	STR	13	3.10	35	1	45.50	108.5	1,920,540	17.25.25	1.00	2 1 1 2 2 2 2	4.0	
				1		***************************************				STR	13	3.10	36	9	35533	1004.4	100	For some	K. (Ev.)	To the last w	1.1.1.1.1.1	10.4047.3
				j"						W.B	10	15.35	8	1	122.8	144.1346	1.11.11.11.11.11	100	*	E MEAN Y	43000	10.54.00
]		W.B	10	55.42	8	1	443.4	Property of the		11.12 PM	75 CE (1978)	(S) - 130	18 19 S.A.	18,000
					5 S S S			j		W.B	10	7.62	. 8	1	61.0	139,077,0	350	Jednier in	e sur Riplatio	Section 5	1.15.3.54	
									ef eess vas	Tie	10	0.30	32	10	96.0	31.11.31.5	1.75 March			225075	de la companya della companya della companya de la companya della	1
FB-2	0.30	1.20	6.33	3	6.84	2.40	6.33	3	45.58	T.B	25	9.33	3	3	3 83 33	en jake jegi.		MARENT	13.00	84.0		
B,C,D)11-	2間			1						B.8	25	9.33	3	3	50.9Kb.4	last freily	4 - 4 1 - 4 1	1 T 1 T 1	17576	84.0	110.70	X 77 - 15
										STR	13	3.10	33 8	3	F. F. 1 (1-1-1)	306.9		34.57	1. 20.00		7 (2 No.).	
									10.00	W.B	10	7.03		3	168.7		Santa Seption	Jan Sand	3,	samuel a grad	1995	*: "- · · · ·
										Tie	10	0.30 9.83	32 3	3	28.8	(4 <u>4</u>	A thaile	De Times	300000	365165	人名比拉伯	1.0
FB-2	0.30	1.20	6.83	3	7.38	2.40	6.83	3	49.18		25			3	. : "	4.0		destruction	16 9798 L. A	88.5		100
B.C.D通10	-11間									B.B	25	9.83	3	3			\$100 miles	F 2022 1913	150 300	88.5	HA, WH	(V) (1 H)
										STR	13	3.10	36	3	of fiveness	334.8				177.55		1
										W.B	10	7.53	8	3	180.7	2 (2.27)				7.12		
									Trespita I	Tie	10	0.30	32	3	28.8	المعاشات والإنجاب	5	980 LA	** ** ** **		Jacobary W	Addition to
d. 41	i				198.10				1192.90				1	(m)	5108.1	7901.9		ì		3749.8		1 "
小計														(kg)	2860.5			ļ		14924.0		

NIPPON KOEI CO., LTD. July 2002

FOUNDATION BEAM QUANTITY CALCULATION

	100	1349	D16	1116	עלוו	025	D29	ш32
"Hable	0.10	013	0.17	0 23	7 77	0.30	0.35	0.38
HOOK	0.10	0-20	0.24	0.29	0.33	0.38	0.44	U.48
257	0.25	0.33	0.40	0.48	0 .55	0.63	U.73	0.80
356	0.35	0.46		0167	0.77	0.88	1,02	1.12
40d	0.40	0.52	0.64	0.76	0.88	1.00	1.16	1.28

		. CC	NCRET	F			FER	MING		T						STEEL	L BAR					
Symbol	Width (m)	Length (m)	Thick (m:	Q'ty	Total (m ³)	Width (mm)	Length (m)		<u>, m-, </u>	Symbol	Dia (mm)		NOS C)'ty	D10	D13	D16	D19	D22	D25	D29	D32
FB-2	0.35	1.20	6.97	7	2.93	2.40	6.97	1	16.73		25	9.33		1	Afterna Maria		Section 1	entre entre la		28.0		1000000
CM2-3間					Galler Berline				1 2 11 11 21	B.B	25	9.33		1	len (Common Co		2011 (1) ACT-1	13.00	100 - 500	28.0	-continued and	Parish (C.)
					1.5				10.151.350	STR	13	3.10	36	1	2 100 0 100	111.6		The system start	1.44 Feet 175	17 5		1.000
				-	Are Williams 1999		1		and the second				<u> </u>			<u> </u>		70.75.77.77	72 1 201.	6 m 15 m 16	4	
							·	1	1.14.75	W.8	10	7.03		1	56.2			25 4, 9, 4, 5	Street Carl		Marine, 19	
					, and property of the					Tie	10	0.30	32	1	9.6	971, 18120	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	213.05.1.3	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		. Ny fisiatrati	
								1	ta ta fak				<u> </u>		67.7						<u> </u>	April 1 consistin
FB-2	0.35	1.20	6.97	1	2.93	2.40	6.97	1	16.73		25	9.83		1				\$50 TE		29.5	2000	
1~2通					1 1 1 1 1			1		B.B	25	9.83		1		10.0 <u>g 480.</u>			Profile Ba	29:5		
D,EIA				1			ì			STR	13	3.10			1,450,500			The Property	1 1 1 1 1 1 1	3.545		
									250	W.B	10	7.53		1	60.2	<u> </u>	200	100000	21, 1			1
	***************************************						i		7,70 (4 A A	Tie	10	0.30	32	1	9.6			2.	Jacobs Ar	li defin		
									100						41 (25cm)			TANK SITE	y animy	5.5%		4 Tenner
FB-3	0.3	0.9	7.15	1	1.93	1.8	7.15	1	12.87	T.8	25	9.15	3	1	14 / 25 S	er (Alakar)	74 (m. %)	3-75.7	1	27.5	paning file	
2~3間									1000	8.8	25	9.15	3	1		and the second field that is not a second field	A Charles Tun of		10000	27.5		
					1000				1.5	STR	13	2.4	37	1		88.8	200 J. K		- C. S.		200 p. 144	7-7-1-1
					72.7 7 7 7 7				37 1 - 27 1 1	W,B	10	7.95	4	1	31.8	distant to	Walter St.					1.1
							 			Tie	10	0.3		<u> </u>	2.7		100		1000		1.55 mg	. 1. 1. 1
				ļ			- ·			 	 			<u>-</u>		Yes and an	3 3 5 5		1 11 11 2 11	and the second	Reflected	14-15
Wali	0.2	0.7	3		0.42	1.4		1	12	V.B	13	0.9	13			11.7	1.3	1		70.75		
	0.2	0.7			0.42	1.4	 -		4.2	H.B	10				22.8	1 1 1 1 1 1 1	100,000		1		Am	
2~3間							ļ		 	<u>П.Б</u>	10	3.6			22.0			Tari da como		100000000000000000000000000000000000000		+
		<u> </u>			2.00		<u> </u>	 	60.60	 	+		1 (-)	1 400 0	242.4		<u> </u>		170.0		
Sub-Total				.	8.20				50.53		 		(n		193.0	212.1 211.0		 	 	676.4		
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Total					J 206.31			}	1243.42				<u>(n</u>		5301.1			 	ļ <u>.</u>	3919.7		
I ULAI				1		L	<u> </u>	ł		t	1		(k	(g)	2968.6	8073.4		<u> </u>	1	15600.5	<u>!</u>	

CALC	ULATIO	N	
Detail	ed Desig	ın	
on Port Read	ctivation	Pr	oject
in La Uni	ion Prov	inc	ė
CALC FILE No.:			
CALC INDEX No	. :	PA	GE 064
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SLAB QUANTITY CALCULATION

	סום ן	D13	T D16"	U19	DZZ	D25 .	D29	D32
Hook	0.10	0.14	0.17	0.23	0.27	0.30	0.35	0.38
150	0.15	U.20	0.24	0.29	0.33	0.38	0.44	U.48
25G	0.25	0.33	0.40	0.48	0.55	0.63	0.73	0.80
350	0.35	0.46	0.56	0.67	0.77	0.88	1.02	1.12
40a	0.40	0.52	0.64	0.76	0.88	1.00	1.16	1.28

		CC	NCRET	E			FOR!	MING				······				STEEL	. BAR		****			
Symbol	Width (m)	Length (m)	Thick (m)	Q'ty	Total (m3)	Width (m)	Length (m)	Q'ty	Total (m2)	Symbol	Dia (mm)	Length (m)	Nos	Q'ty	D10	D13	D16	D19	D22	D25	D29	D32
S2	7.09	7.80	0.20						Kara sa tang	S.Top	16			1	A. 39 A. M. A. A.	#www.	1829.0	2.79	President Co	Name of	\$70, Q	
1-2,A-E	7.09	7.20	0.20						Sept. 1. Sep				53+49	x2+52		表意, 多维		27 7 Party	A Sp. Art	19 3 3 <u>3 2 2</u>		
	7.09	7.52	0.20	1	10.66		1		Diff. Comment	S.Bom	13			1	19 March 19	1602:0		91411)i.		- 50 (1), (1) (1)		Arrest A
·					1 11 11 11		·	1					52+49	*2+50	en de la compansión de la	gri (j. Cjirka)	Marie Politice				1 2 4 6 6	
										S.	16				307 A 117		259.8			<u> </u>		
								ļ		S.	13		406		2 V V 10 10 10 10 10 10 10 10 10 10 10 10 10	211.1				3/3/2	31. 97. 113.	
							ļ			L.Top	13	9.36	32		k jimayiya Maraka	299:5 525.6	a de la compania del compania del compania de la compania del compania del compania de la compania de la compania del compania del compania del compania del la compania del compania dela compania del compania del compania del compania del compania de		100	H	100	1
				 			ļ	ļ		L.Tap	13	8.76	30 31	2			American s	Transport of the first transport				
				ļ			<u> </u>			L.Top	13				- 22 27 60	281.5		5000 S. C.	AND AND TOWARD	14. m 15. m 15. m 15.		1 Th. \$1.97
				ļ			<u> </u>	 -		L.Bom	13	8.72	32		1750 21 43-47	279.0		0.930000	and the first second		17.00	
				<u></u>					gy wasting the	L.Bom	13	8.12	30	2		487.2		STATE OF STATE		7 (10)		1000
····				: :	100,70000000			ļ		L.Bom	13	8.44	31		and the second second	261.6 255.8	military and de-	8000 St. 168	F-38-52.34	100 St. 100 St.		
		- 00.50		<u> </u>	40.04		- 		0.00 Table = 0.00	0.7	13		492		200	200.6	24050.4	1,420,000			10000	
52	7.15	30.52	0.20	1	43.64		ļ <u> </u>	ļ		S.Top	16	9.07	205		VEST CONTE	47050	1859.4	·	A CONTRACTOR	1. 12 2. 14 14 14	The or given	North Marketine
2-3,A-E				<u> </u>	A 45 1 1 15			ļ	*	S.Bom	13 16	8.71	205	7	Carlotte (Carlotte)	1785.6	262.4	5.000 m. (2000)		3.2	Then y see a final in	
				}			 		A (1) (1) (1)	<u>S.</u>		0.64 0.52	410		W. Martin and Salah	213.2	****	Control consider			A Contract	
									\$1.79 Agendants	S.	13 13		410 30			1024.8	The profess	S. 130 -1 30		Primari te unge Primari dan 1	Aug Series	
		·i		<u> </u>			<u>}</u>	<u> </u>	Statistical of the	L.Top L.Bom	13		30			1024.6		TOTAL SALES	Property of the	12-12-13 m	1000 - 1400	
							 	ļ	100 Sept. 100 Se	L.BUIII	13	0.52	120			62.4	Section 1	friend to -	25.5	Transfer of Manager	100	
32	7.15	29.77	0.20		298.00			 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S.Top	16	9.07	200		anacki karimete Laikase der ki	7 VZ.4	12698.0	\$4000 F5 A.	1 (54447.13°44.			1
3-10.A-E		29.11	0.20		290.00					S.Bom	13		200		- 10 To 10 T	12194.0	12030.0		The Profesion	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
3-10,74-6									Lingua S. Amerika K. Lin	L.Top	13		30		Automorphisms.	7016.1		Service Control	Access of the Section		100 m 12 m	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
							-	 	25 F AH-121 FT 71.75	L.Bom	13		30	7	200000000000000000000000000000000000000	6881.7	The second second			-	The State of the	
32	7.09	7.24	0.20	1	10.27		· 	- 	1	S.Top	16					0001.7	1802.0		CAI	CULA"	HON-	
0-11,A-E	7.09	7.20	0.20		20.42		 	ļ	Fernanda (1)	3.10p	10		50+49	V2+52	(age)		1002.0	94		the same of the same of		
(0+11,74L	7.09	7.52	0.20		10.66		ļ			S.Bom	13	8.01		1		1602.0			1	ailed D	1 to 1220, 1 to 10	
	7.05	1.02	0.20		10.00		·			3.0011	13		50+49	V2+52	eritare dell'ille Service dell'ille est	1002.0		l oi	Port R	nactivat	on Pro	ect -
								<u> </u>		s.	16	0.64		1	Senga Vilavira	95,044	256.0		A Delivery of the Control of the	Union P	And the second of the second	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
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					1.00		·		1.750 1.711	L.Top	13	8.80				281.6		CALC	FILE N	6.2	18 8 1 L	e la certa filosofia. A greada estreta
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j	i						·			L.Top	13	9.08	31	· <u></u>		281.5	Law Committee	CALC	INDEX	No	PAG	-00>
										L.Bom	13	8.16	32	-	-14	261.1	n garagatan. Mga Ufu yak	Tobaccount	The second second	TO STATE	TIAL	DATE
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								 	and the same of	L	13	0.52		<u>-</u>	9 44 - 13 4 1	255.8	naka dinakan	1 87.47.0	KEO BY	1	172	Anna
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Detailed design on Port reactivation Project in La Unin Province

SLAB QUANTITY CALCULATION

	D10	D13	D16	199	022	D25	D29	D32
Hook.	0.10	0.14	0.17	0.23	0.27	0.30	0.35	0.38
-15a	0.15		0.24	0.29	0.33	0.38	0.44	0.48
_25d	0.25	0.33	0.40	0.48	0.55	0.63	0.73	-0.80
35 a	0.35	0.46	0.56	0.67	0.77	0.88	1.02	1.12
40d	0.40	0.52	0.64	0.76	0.88	1.00	1.16	1.28

		CC	NCRET				FOR	VING								STEEL	BAR					
Symbol	Width (m)	Length (m)	Thick (m)	Q'ty	Total (m3)	Width (m)	Length (m)	Q'ty	Total (m ²)	Symbol	Dia (mm)	Length (m)	Nos	Q'ty	D10	D13	-D16	D19	D22	D25	D29	D32
51	9.15	31.12	0.05	1	14.24				e jay september	S.	10,	9.25	127	1	1174.8		Share	San	r 4 1 - 1814 - 1		. V . * 5, 5 * 1	
1-2,A-E	-									L.	10	31.12	38	1	1182.6	may yill			10 10 H F18	Wall of	The State of the search	a the second
					AND THE SET				14,845						AND THE	Societai	Mary Control		-044-4-9	Jack Company	J. 1811. 111.	
S2	4.5	75.2	0.2	2	135.36					LTop	13	75.20	18	2	ya. Histori	2707.2	3.00 Sept. 10.00 (10.00	110.30.41		To establish		
PLATFOR	VI				Control No. 1					L.Bom	13	75.20	18	2		2707.2		and start	YAK TEW	100 H - 20 K	APPENDING	
									and the second	S.Top	16	4.90	502	2		service of	4919.6			15 15 15 15 15 15 15 15 15 15 15 15 15 1		(e.s.): 1-1
				-	1 118		1		ren in Land	S.Bom	13	4.90	502	2		4919.6				-		
S2	7.5	12	0.2	2	36.00					LTop	13	12.50	31	2	Fare Color	775.0				F-1-1		1 / Jun 1.25 .
SLOPE										L.Bom	13	12.50	31	2	494 (D.C.)	775.0		1 1 1 mm - 1		marin englis	A 41 62	1.39.99.5
					i New York					S.Top	16	7.52	80	2	480,387,0	机动罐头	1203.2	27 27 E.A.W			Tarisa (A.A.)	W. 1762
					Sheek				- 7 2 3 2 3 3 4 5	S.Bom	13	7.52	80	2	1944 DAG	1203.2		等等处75%。	15 5 7 Sec. 3	1200	19.00	Species of
.). #1		1		1	610.73		ī	 	'''/''	†	 			(m)	2357.3	51638.5	25089.4	i ·	1	1		T
小計	***************************************						 	<u> </u>			1			(kg)			39139.5				1	1

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-7	CONTAINER FREIGHT STATION	101112 00			i T										1	
-	DONTAINER PREIGHT STATION	·												 }	·	
	S3 PRECAST PRESTRESS DECK	150	j 				-									\dashv
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<u>&</u>	CONCRETE TOPPING t=50				 											
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			237.40	7.57	* ;	31.36	*	1								
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ITEM	LOCATION	DISCRIPTION	Qty	UNIT		FL	CALCULATION	kg/m	Loss %	+Loss 5% TOTAL	мемо
OLUMN		W18x86 → ケトH-468x282x12x20	32333.9	kg			7.0*11*2	128.0	5	20697.6	
1 1	B,D通 C1	W18x86 →分H-468x282x12x20					((7.0+11.8)/2-0.58)*2*3	128.0	5	7112.4	
	C通 C1	W18x86 →外H-468x282x12x20					(11.8-0.58)*3	128.0	5	4523.9	
DLUMN	B',C,C'通 C3	W8x31 →H-203x203x7x11	1945.1	kg	SKYLIGHT ROOF		1.2*11*3	46.8	3 5	1945.1	
											
									<u> </u>		
			consequences to the second		M max m max =						
										CULATIO	
						,			ort Re	activation	Project
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							- 1	REPAR HECKE		• • • • • • • • • • • • • • • • • • • 	
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ITEM	LOCATION	DISCRIPTION	Qty	UNIT		FL	CALCULATION	kg/m	Loss %	+Loss 5% TOTAL	мемо
	1~11通	W12x58	Ī								
BE <u>AM</u>	B1	→外H-310x254x9x16	31398.1	kg_	ROOF		(15.75*2)*11	86.3	5	31398.1	· · · · · · · · · · · · · · · · · · ·
	1~11通	W10x30								5055.4	
BEAM .	B2	→H-266x148x7.5x13	5357.4	kg	ROOF		5.2*2*11	44.6	5	5357.4	
	A,B,C,D,E,通 B2				ROOF		7.38*10*5	44.6	5	17280.3	
	-A,E-通 B2				ROOF		7.4*10*2	44,6	5	6930.8	
	B',C,C'通 B2		· -		SKYLIGHT ROOF	_	7.19*8*3+4.69*2*3	44.6	5	9398.8	
											······································
BEAM	1~11通,A~E間 B3	W8x31 →H-203x203x7x11	23838.4	kg	ROOF		7.77*(2*2÷4*8)	46.8	5	13739.6	
	1'-2&10-10'通,B~D間 B3				ROOF		4.1*2*2+3.7*2*2	46.8	5	1532.5	
	1'~10'通,B'~C'問 B3				SKYLIGHT ROOF		4.2*2*11+4.1*2*10	46.8	5	8566.4	
BEAM	B',C'通,1-2&10-11間 B4	W10x54 →外H-256x256x9x16	2490.8	kg	ROOF		7.38*2*2	80.36	5	2490.8	
ЗЕАМ	1,2通,A~E間 B5	W14x61 →外H-353x254x9x16	8426.15	kg	2F		7.41*2*3+7.32*2*3	90.8	5	8426.1	
	A~E通,1-2間 B6	W18x55 →外H-460x191x10x16	2936.7	kg	2F		7.23*2±6.57*3	== 81.85	5	2936.7	
							CALCULATION Detailed Design				
							on Port Reactivation Project			•	
							in La Union Province				
						<u> </u>	CALC FILE No.: PAGE D	19		.	
			<u> </u>		<u> </u>		INITIAL DATE			<u>I_</u>	

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ITEM	LOCATION	DISCRIPTION	Qty	UNIT	FL	CALCULATION	kg/m	Loss %	+Loss 5% TOTAL	мемо
SUB BEAM	A,E通,2~10間 B7	W8x28 →H-205x166x7x12	5128.1	kg		7.32*8*2	41.7	5	5128.1	
SUB BEAM	1,2,11通,A~E問 B	W10x54 → 5H-256x255x9x16	7457.3	kg_		7.41*2*3+7.32*2*3	80.36	5	7457.3	
воттом	3~10通,A~E問	W10x54	00050.7			30.0*8	80.36	5	20250.7	
BEAM	В	→ケトH-256x255x9x16	20250.7	кд		30.046	30.30		20200.1	
BOTTOM BEAM	-A,E-通,1~11間 B	W6x15 →H-152x152x6x7	2706.9	kg		5.25*11*2	22.3	5	2706.9	· · ·
water at the property date 1 and					 	A CONTRACTOR OF THE STATE OF TH				
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						<u> </u>		CAL	CULATIO)N
								Det	iled Desi	gn 1 Project
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	H; TOTAL		144,270	kg		· II	PREPAR CHECKE		r 9-	Z Jul.o

ITEM	LOCATION	DISCRIPTION	Qty	UNIT	FL	CALCUL	ATION kg/	Los:	+Loss 5% TOTAL	мемо
STUD	1~11通,-A~E-問	2-C10x30 →2-C-250x75	5509.4	kg		(3.4+1.2+0.7)*2*11		45	5 5509.4	
	3~10通	C10x30 →C-250x75	2578.0			(4.5+2.32)*8		45	5 2578.0	
	1, 2, 11通	C10x30 →C-250x75	1927.8			3.4*4*3		45	5 1927.8	
	11通	C4x5.4 →C-100x40	209.8			7.32*3		1.1	5 209.8	
· 								-	-	
									-	
									-	
					·,					
					<u> </u>				ALCULA	>'10'A
									Detailed D	
									t Reactival	tion-Project
								C FILE	No.:	TOTILLE
							GAL	CINDE	X No.:	PAGE O
Andrew Malley Malley and the con-	C. TOTAL		10.005					PARE	BY	4-7 Jul
	C; TOTAL		10,225	кg			CHE	CHED	5 Y Ca	MA Av

ITEM	LOCATION	DISCRIPTION	Qty	UNIT		FL	CALCULATION	kg/m		+Loss 5% TOTAL	мемо	
	LOCATION I~II迪,A~E間	L4"x4"x3/8"								4823.3		
TTLESS		→L-100x100x10	4823.3	kg		ļ	(5.8+4.7+4.0)*2*11	14.4	- 5	4823.3		
				· 								•
TTLESS	1~11通,-A&E-	L4″x4x1/2″ →L-100x75x13	1433.2	l kor			3.3*2*11	18.8	- 5	1433.2		
111000		L 100X10X10	1100.2									
0.600	Δ Τὰ					ļ						
RACE ALL	T.M.	→L-100x100x10	1301.7	kg	-	-	7,5*2*2	14.9	5	469.4		
	E通						0.000	14.0	5	200.4		-
	11連				<u> </u>	 	9.6*2	14.9	<u> </u>	300.4		
							8.5*2*2	14.9	5	531.9	<u>-</u>	•
	•											
D Nor	1~11通,A~E间	L4"x4"x1/2"			{							
RACE.	BR-1 1~11通,-A&E-間	→L,-100x100x13	7263.9	<u>kg</u>	ROOF		3.7*2*32	19.1	5	4749.0		
	BR-1				ROOF		2.85*2*11*2	19.1	5	2514.9		
	I'~10'通,B'~C'問	L2″x2″x3/8″		<u></u>	MONITOR							
RACE	BR-2	→L-50x50x8	538.9	kg	ROOF		3.7*2*6*2	5.78	5	538.9		
	,			ļ			•			İ		
			·	i		 						
	L; TOTAL		15,361	ļ		<u> </u>						
				İ				1				
		$C4"*1/16" \rightarrow 100*50*30*2.3$								- 000		
JRLIN		@1000	19287.5	ļ	ļ	 	80.2*25*2+70*5*2	3.9		19287.5		
					}	<u> </u>					· · · · · · · · · · · · · · · · · · ·	
AFTER		C4**i716*>100*50*30*2.3; @1000	1788.4	Į			2.5 * 4 * 16+(30+31.12*2)*3	3.9		1788.4		
TEI		@1000	1.100.4				2.5 * 4 * 10*(30*31.12*2/*3	3.9		1/00.4		
				ļ						CAL	CULATIO	N
	C(LGS); TOTAL		21,076	kg							alled Desig	
										1	eactivation	
				 					<u> </u>		í	-
	SUB TOTAL		190,931	kg						 	Inion Prov	INCE
	GUSSET PLATE H.T.Bolt ,etc	*7%	19 265	1,7					CAL	C FILE N	o.:	
		7170	13,365						CAL	C INDEX	No.:	PAGE o
	TOTAL		204,297	kg	ļ						INITIA	
). 0,57	MARED E		
			100		5of5				4 1 1	a the state of the	<u>, , , , , , , , , , , , , , , , , , , </u>	2018

ITEM	LOCATION	DISCRIPTION	Qty	UNIT		FL	CALCULATION	m²/m	Loss %	+Loss 5% TOTAL	мемо
COLUMN	A,E通 C1	W18x86	387.42	nı z			(7.0-3.1)*9+(7.0-2.0)*13	2.44		244.24	
	B,D通 C1					-	<u>((7.0+11.8)/2-0.58-3.1)*2*3</u>	2.44		83.74	
	C通 C1				-		(11.8-0.58-3.1)*3	2.44		59.44	
						-					
COLUMN	B',C,C'通 C3	W8x31	37,22	_เทวั.	SKYLIGHT ROOF		1.2*11*3	0.94		37.22	
	1~11通	W12x58								,	
BEAM	1~11通 B1	W12X08	568.26	. m²	ROOF		(15.75*2)*11	1.64		568.26	
BEAM	1~11通 B2	W10x30	832.10	In?	ROOF		5.2*2*11	1.00		114,40	
··· 	A,B,C,D,E,通				ROOF		7.38*10*5	1.00		369.00	
·	-A,E-通				ROOF SKYLIGHT	<u> </u>	7.4*10*2	1.00		148.00	
	B',C,C'通				ROOF		7.19*8*3+4.69*2*3	1.00		200.70	
		W8x31			<u> </u>			-			
BEAM	B3 1'-2&10-10'通,B~D間	170801	456.20	. พา_	ROOF		7.77*(2*2+4*8)	0.94	·	262.94	····
	B3 1'~10'通,B'~C'間				ROOF SKYLIGHT		4.1*2*2+3.7*2*2	0.94		29.33	
	B3				ROOF	-	4.2*2*1)+4.1*2*10 CALCULATION	0.94		163.94	······
	B',C'通,1-2&10-11間	W10x54				-	Detailed Design				
	B4		43.69	ุฑั	ROOF	_	7.38*2*2 on Port Reactivation Project in La Union Province	.48		43.69	
			·		•	-	CALC FILE No.:		• • • • • •		
					· .	1	CALC INDEX No.: PAGE O			•	

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ITEM	LOCATION	DISCRIPTION	Qty	UNIT		FL	CALCULATION	m³⁄m	Loss %	+Loss 5% TOTAL	мемо
-	1,2通,A~E間 B5	W14x61	144.94				7.41*2*3+7.32*2*3	1.64		144.94	
			İ								
BEAM	A~E通,1-2間 B6	W18x55	56.04	l/n²-	2F		7.23*2+6.57*3	1.64		56.04	
						ļ		.	<u> </u>		
	A,E通,2~10間 B7	W8x28	103.07	[1]L		<u> </u>	7.32*8*2	0.88		103.07	
SUB BEAM	1,2,11通,A~E間 B	W10x54	130.80	lm2			7.41*2*3+7.32*2*3	1.48	ļ	130.80	
BOTTOM BEAM	3~10道,A~E問 B	W10x54	355.20	_ [ht			30.0*8	1.48		355.20	
BOTTOM BEAM	-A,E-逆,1~11間 B	W6x15	62.37	M2		-	5.25*11*2	0.54		62.37	
STUD	1~11通,-A~E-間	2-C10x30	186.56	. m²			(3.4+1.2+0.7)*2*11	1.60		186.56	
BATTLES S	1~11通,A~E間	L4"x4"x3/8"	127.60	IM C			(5.8+4.7+4.0)*2*11	0.40		127.60	

BATTLES S	I~11通,-A&E-	L4"x4x1/2"	20.33	์ เท			CALCULATION 3.3* *11 Detailed Design	 		20.33	
							on Port Reactivation Project				
							CALC FILE No.:				·
							CALC INDEX No.: PAGE	74			-
	·					<u> </u>	INITIAL DAT	F	i		

ITEM	LOCATION	DISCRIPTION	Qty	UNIT		FL	CALCULATION	m ⁷ /m	Loss %	+Loss 5% TOTAL	мемо
BRACE WALL	A通	→L-100x100x10	33.28	กา			7.5*2*2	0.40		12.00	·
	E通						9.6*2	0.40		7.68	
	11通						8.5*2*2	0.40		13.60	
BRACE	1~11通,A~E間 BR-1	L4"x4"x1/2"	144.88	m²	ROOF		3.7*2*32	0.40		94.72	
	1~11通,-A&E-間 BR-1				ROOF		2.85*2*11*2	0.40		50.16	
BRACE	1'~10'通,B'~C'間 BR-2	L2″x2″x3/8″	17.76	M2	SKYLIGHT ROOF		3.7*2*6*2	0.20		17.76	
			}								
,									C	ALCULA	TION
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					on		etailed D	esign tion Project
								-	in L	a Union F	
	TOTAL PAINTING AREA OF MAIN FRAME			m2				CALC			PAGE 9.75
							LALL	INUE	· · · · · · · · · · · · · · · · · · ·	TIAL DATE	
	TOTAL PAINTING ARE RAFTER ,GUSSET PLA	530.41	m2				PREP		ΒY	GE Julio	
								CHEC	KEU I	51 //	4 Augor

3B05 :	MASONRY WORK				QTY. CALC.(CFS. FINISHING)		
ITEM NOS.	FINISHING MATERIAL	UNIT	LOCATION	STOREY	QUANTITY CALCULATION	TOTAL QTY.	
	Conclete Block 200mm.thk (Including Conc.Lintel)	m		1F	Axis.A&E 15*2*3.5+2.5*2.1*16-opening10.62 Axis.1&11 30*3.5*2	178.38 210.00	
					SUB TOTAL TOTAL+ 5%	388.38 407.80	
3B0502	Conclete Block 150mm.thk (Including Conc.Lintel)	m		1F	Axis.2 30*3.3-Openkng28.93 Axis.B.D&E 7.5*3*3.3 Axis.D^E (7.5+4.24)*3.3-Opening2.53	70.07 74.25 36.21	
					SUB TOTAL TOTAL+ 5%	180.53 189.56	
3B0503	Conclete Block 100mm.thk (Including Conc.Lintel)	m	Toilet	1F	(1.9+3)*2.4+(2.9+1.7+1.3+1.5)*2.1	27.3	
					TOTAL+ 5%	28.67	
							CALCULATION Detailed Design
						- 0	on Port Reactivation Project in La Union Province ALC FILE No.:
						o d	ALC INDEX No.: PAGE 076 INITIAL DATE THE PAGE BY 9-7 Jul. 01 THE CKED BY CALL AUGO 2

QTY. CALC.(CFS. FINISHING)

3807: TILE WORK

ITEM NOS.	FINISHING MATERIAL	UNIT	LOCATION	STOREY	QUANTITY CALCULATION	TOTAL QTY.
	Floor Ceramic Tile 33*33*8mm	m	Interior	1F	7.5*7.5+3.26*7.5+2.1*4.24+7.5*30	314.60
					TOTAL+ 5%	330.33
3B0702	Floor Ceramic Tile 20*20*8mm	m	Toilet		5.4*4.24	22.90
					TOTAL+ 5%	24.04
3B0703	Step Nosing Tile (Interior)	m	Staircase		1.6*20Steps	32,00
3B0704	Step Nosing Tile (Exterior)	m	External Stair	Steps	1.2*7Steps*2	16.80
					SUB TOTAL	48.80
					TOTAL+ 5%	51.24
	Internal Wall Ceramic Tile 20*30*8mm	m	Toilet,Kitchen		(5.4+4.5)*2*2.4+(1.9+3.4)*2*2.4+(1.8+1+1.2+0.4+1.4+1.8*2)*2*2.1- Opening14.28+Kitchen3.5*0.6	100.26
					TOTAL+ 5%	105.27
3B0706	Ceramic Tile Skirting (Interior)	m			3.26+7.5*2+(2.1+4.24)*2-0.9*2	29.14
	(incorrory				TOTAL+ 5%	30.60
380707	Granite Tile Shelf Top	m				1.70
					TOTAL+ 5%	1,79

CALCULATION						
Detailed Design on Port Reactivation Project in La Union Province						
CALC FILE No.:						
CALC INDEX No	.:	PAGE 077				
	INITIA	L.	DATE			
PREPARED BY	4-1		Jul. 02			
CHECKED BY	64		Aujo2			

QTY, CALC.(CFS. FINISHING)

3808: PLASTERING WORK

ITEM NOS.	FINISHING MATERIAL	UNIT	LOCATION	STOREY		TOTAL QTY.
	Cement Motar Plaster To Wall	m	Interior (Base for AE		0.7*2.1*14+1.2*2*3.5+30*3.5+0.7*3.5*2+7.5*4*2.8+(2.1+4.24)*2*2.8+(3.26+7.5*2)* 2.8-Opening26.84	282.67
			External Wall (Base for AE	P)	15*2*3.5+2.5*2.1*16+30*3.5*2-Opening10.62	388.38
					SUB TOTAL TOTAL+ 5%	671.05 704.60
3B0803	Control Joint ;w20 ,Calking	m	External Wall		Axis :1&11 84 Axis :A,E 42	84 42
					SUB TOTAL TOTAL+ 5%	126.00 132.30
	Cement Mortar Skirting Without Paint , H:100mm	m			(67.5+30)*2+7.5*8+(4+2.5)*2+30-Opening100.46 TOTAL+ 5%	197.54
	· .				TOTAL+ 5%	207,42
3B0802	Hardner Finish on Concrete Floor	m	Corridor ,Stai	r	30*1.6+1.6*1.6+1.6*(0.28+0.18)*26	69.70
	Concrete Floor				TOTAL+ 5%	73.18

CALCULATION								
Detailed Design								
on Port Read	ctivation	Pro	plect					
in La Union Province								
CALC FILE No.:								
CALC INDEX No	.:	PA	GE078					
	INITIA		DATE					
PREPARED BY	9-1	5	Jul.o.					
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QTY. CALC.(CFS. FINISHING)

	PAINTING WORK			· · · · · · · · · · · · · · · · · · ·			1
ITEM NOS.	FINISHING MATERIAL	UNIT	LOCATION	STOREY	QUANTITY CALCULATION	TOTAL QTY.	
	AEP (On Mortar Plaster)	m	Internal Wall		Same as Cement Mortar Plaster to Wall	282.67	
	AEP (On Gypsum Board)	, m	Mezzanine Flo	por	(30*3+7.5*3*2+7.5*2)*2.7	405.00	
	AEP (On Conc.Slab)	m	Corridor Ceili	ng	1.6*30	48.00	
					SUB TOTAL TOTAL+ 5%	735.67 772.45	
3B1002	AEP (On Mortar Plaster ; Exterior)	m	External Wall		Same as Cement Mortar Plaster For External Wall	388.38	
					TOTAL+ 5%	407.80	
B1003	OP	m	On Wooden	Wooder	1 n Door) (D2) ;0.9*2.1*2*7+(D9) ;0.8*0.8*2	27.74	
		mî	On Steel	Steel D	Poor ,Shutter) (D1) ;0.9*2.1*2*1 + (D3) ;0.9*2.1*2*2 + (D6) ;5.0*5.0*2*16	811.34	
-	-	m	Steel Metal S	urface)	Steel Guard Pipe Column Protection , dia=168mm L=2.6m ,18Sets	24.68	
		m m			Steel Handrail Corridor&Stair L;30*h;1.2m+L;9.5*h;1.0m Steel Handrail Exterior Steps L;12*h;1.0m	35.11 10.66	
				†	SUB TOTAL TOTAL+ 5%	909.53	
	TOTAL	+			1 , 417.42 40	1 -	CALCULAT

on Port Reactivation Project
in La Union Province

CALC FILE No.:

CALC INDEX No.: PAGE 079

INITIAL DATE

PREPARED BY P-F Jul.02

CHECKED BY Call Augoz

3B11: CARPENTRY AND JOINERY WORK

VI S.	FINISHING MATERIAL	UNIT	LOCATION	STOREY	QUANTITY CALCULATION	TOTAL QTY.	
	Wodden Door Frame	m	D2		(0.9+2.1*2)*7	35.7	
					TOTAL+ 5%	37.49	
		-				 	
- }							
		;					
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						CALCULATION	
						Detailed Design	
	TOTAL			· · · · · · ·		on_Port Reactivation F	
		 				in La Union Provin	Ce
						CALC FILE No.:	AGE
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						PALPASED BY 4.F	
						CHECKED BY CAGT	Ay

3R12 ·	INTERIOR	FINISHING	WORK

M S.	FINISHING MATERIAL	UNIT	LOCATION	STOREY	QUANTITY CALCULATION	TOTAL QTY	.6
1201	Cement Fiberboard W/Suspended Ceiling	mi	Interior		7.5*15+3*3.8+7.5*30+3*3.8	360.0	3
	W/Suspended Celling	· :		<u> </u>			
					TOTAL+	5% 378.32	
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						OBRAGE	BY Y.F J.

2D12 - MICCELL	ANFOUS METAL	MODK (1)
RHIE MISCHI	ANECULS METAL	WORK

3B13 : N	<u> MISCELLANEOUS METAL W</u>	VORK	(1)					,
ITEM NOS.	FINISHING MATERIAL	UNIT	LOCATION	STOREY		QUANTITY CALCULATION		TOTAL QTY.
3B1303	Steel Handrail ; h.1.200	m	Mezzanine Co	rridor				30.00
	Baluster Steel Pipe dia;25m	m @1:	20					
	Handrail Steel Pipe dia;34mr		Stair					9.50
				ļ			SUB TOTAL	39.50
	·						TOTAL+ 5%	41.48
3B1304	Steel Handrail ; h.1.000	m	Platform Stair		2 NOS			12.00
							TOTAL (EN	12.60
							TOTAL+ 5%	12.00
3B1301	Metal Flashing Plate	m	External Wall		(30+75)*2+(5-2.1)*2	*16+(3.31+1.2)*2*4		338.88
	(Prices shall be included in Formed Steel Sheet Work)		(Top of Conc. Around Open				TOTAL+ 5%	355.82
3B1301	Formed Steel Roof Sheet		Roof		80.2*21.7*2+Overlap	ping68*0.8*2		3589.48
	(Including Glass Fiber Board	l Sky L	ight)	<u> </u>			TOTAL+ 5%	3768.95
3B1302	Formed Steel Wall Sheet	m	External Wall		(30*1 5+20 72*6 8)*2	2+15.3*1.5*2+2.5*2.9*16-Opening15.89+1.	3*68*2+1.3*4*4-	613.59
001002	Office occor was one	'''	Excorner wen		Opening101.81			
							TOTAL+ 5%	644.27
3B1305	Eaves Gutter	m			2nos			160.40
	(Galvanized Steel Sheet 0.6 Size .h;400mm*w;500mm	mmTH 	K				TOTAL+ 5%	168.42
3B1308	Steel Guard Pipe Of	m			10nos			20.00
	Downspout Bottom ; h,2m					CALOU ATION	TOTAL+ 5%	21.00
						CALCULATION		
3B1307	Steel Guard Pipe Column Protection .	m		1	L;2.6mm*18sets	Detailed Design on Port Reactivation Project		46.80
	dia=168mm					in La Union Province	TOTAL+ 5%	49.14
	TOTAL	1	1			CALC FILE No.:		-
	•					CALC PILE NO	<u>{</u>	

CALC INDEX No.: PAGE 682

INITIAL DATE
PREPARED BY 9-F Jul. 62
CHECKED BY LOW Aujor

QTY, CALC.(CFS, FINISHING)

M	FINISHING MATERIAL	UNIT	LOCATION	STOREY	QUANTITY CALCULATION	TOTAL QTY.	
S. 309	Metal Wire Mesh	m	Monitor Roof	!!	(7*8*2+3.5*4)*0.84	105.84	
	for Bird Proof						
e.	·				TOTAL+ 5%	111.13	
				 			
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3B14: Miscellaneous Work

Λ	FINISHING MATERIAL	UNIT	LOCATION ST	TOREY	QUANTITY CALCULATION	TOTAL QTY.	
401	Downspout	m	Above FL+2.0m		(5.6+5-2)*10	86	
	Including Eibow Undergroun	nd					
			Below FL.+00				
İ					TOTAL+ 5%	0.00	
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QTY. CALC.(CFS. FINISHING)

1 .	FINISHING MATERIAL	UNIT	LOCATION	STOREY	QUANTITY CALCULATION		TOTAL QTY.	
502	Conc.Drain Pipe	m	Below Slope		7.5*2		15.00	
	200mmdia					TOTAL+ 5%	15.75	
	Conc.Drain Ditch w;400	m			7.5*8*2		120	
	w/Conc Cover					TOTAL+ 5%	126.00	
					(0.0.0.1.0.0.0	29.28 m3		
03	Conc.Catch Basin ;800*800	nos			Conc Volume (0.6*0.1+0.62 * 0.1 * 2+0.6*0.1)*7.5*8*2= 2 nos	29.28 m3		÷
-						1.032 m3		
					Conc Volume (1*1*0.1+0.79*0.1*4+1*1*0.1)*2=	1.032 m3		
								
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QUANTITY CALCULATION

BUILDING WORK

[3C: MAINTENANCE AND REPAIR SHOP]

AUGUST 2002

3C01: EARTHWORKS

ITEM	DESCRIPTION	UNIT	LOCATION	QTY.	QUANTITY CALCULATION	TOTAL QTY.	
NO. 3C0101	Excavation for PILE CAP	m3	F1	27	1.55*(1*1+1.2*1+1.2*1+1.2*1.2*2)*27	262.82	
			F2	44	1.55*(1.2*1.2+1.2*1.2+1.2*1.2+1.2*1.2*2)*44	491.04	
		:	F2	26	1.55*(1.2*2.2+1.2*1.2+1.2*2.2+1.2*1.2*2)*26	386.88	
					SUB TOTAL	1140.74	
	Excavation for Beam &	m3	FB1, FB1A	66	(1.2+2)*0.85*0.5*6*1/2*66	269.28	
	Inspection , Maintenance Pits		FB2	32	(1.1+1.8)*0.65*0.5*6*1/2*32	90.48	
			FB3	38	(1.1+1.6)*0.5*0.5*3*1/2*38	38.48	
			Pits		(2.2+4.6)*1.6*1/2*12*2/3*2+6*6*2*0.85*1/2	117.64	
					SUB TOTAL TOTAL 5%	515.88 1739.44	
3C0102	Backfilling for Slab	m3			1739.44-251.74*1.1	1462.53	·
	No. 1					4	
							CALCULATION
	TOTAL			 			Detailed Design

Detailed Design on Port Reactivation Project in La Union Province CALC FILE No.: CALC INDEX No.: PAGE 086 INITIAL DATE PREPARED BY CHECKED BY

LA UNION PORT DEVELOPMENT PROJECT BUILDING WORK

PAY ITEM NO	DISCRIPTION		TOTAL Qty	UNIT SUB TOTAL						CALCULATION		
3C02	MAINTENANCE AND RE	PAIR SHO	P .									
*	P1(L; 4000) P2(L ;4000)	400*400 450*450	79 44	Nos Nos								
		sum	123	Nos								
	CONCRETE		86.26	m3 50.56 35.70	1.12 1.42	*	79 44	*	4/7 4/7			
	STRAND ROPE (6-φ1/2")		2904.00	m 2904.00	42.0	*	121	*	4/7			·
•	D16		2105.40	Kg 2105,40	30.45	*	121	*	4/7		. •	
	D10 (SPIRAL)		6703.37	Kg 2689.14 4014.22	90.5 101.81	*	52 69	*	4/7 4/7			
					÷				•			
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CALCULATION

Detailed Design
on Port Reactivation Project

in La Union Province

CALC FILE No.:

CALC INDEX No.: PAGE 08%
INITIAL DATE
PREPARED BY CF Jul.02
CHECKED BY LEH Aux02

MAINTENANCE AND REPAIR SHOP

[3C03 CONCRETE AND FORMWORK]

		CONCRETE	FORMING				REINFOR	ROEMENT BAR					
	ITEM	(m3)	(m2)	D10	D13	D16	D19	D22	D25	D29	D32	TOTAL	
1	Foundation Foundation	108.60	329.12		5374.40	1838.00							
	Beam	160.25	755.08	1248.38	6215.24			·	7388.94				
3	Column(-1FL)	19.95	116.87						·				
4	Column(+1FL)	46.63	270.40	2227.84					2006.84			•	
5	Slab(1FL)	208.76	. :	1928.4	19277.52								
6	Slab(2FL)	7.31											·
											CALC	JLATION	
												ed Design	
											on Port Rea		
												on Provinc	e
										£1	LC FILE No.		ļ
										CA	LC INDEX No		GE 02
. :				Ì								INITIAL	DATE
											REPARED BY	9.F	Ju
					<u>i</u>						ECKEB-BY	-2017-	Aufo
1FL	SUB TOTAL	497.56	1471.46	5404.62	30867.16	1838.00			9395.78				
1FL	30B TOTAL	53.93										- ···	
		Unit Weig	ht(kg/m)	0.56	0.995	1.56	2.25	3.04	3.98	5.04	6.23		
		Weight N	IET (ton)	3.03	30.71	2.87			37.40			74.00	
		Weight +1	oss 4%(ton)	3,15	31.94	2.98			38.89	ALL THE STREET		76.96	

MAINTENANCE AND REPAIR SHOP

ĮF(OUNDATION	FOUNDATION BEAM	MAT SLAB	COLUMN	BEAM	SUB BEAM	SLAB	Wall	STAIR	MISCELLANEOU S	TOTAL
-1FL	108.60	160.25		19.95			208.76				497.56
+1FL				46.63			7.31				53.93
TOTAL -	108.60	160.25		66.57			216.07				551.49

ne ny santon	FOUNDATION	COUNTRATION!	COLUMN	ВЕАМ	SUB BEAM	SLAB	Wall	STAIR	MISCELLANEOU S	
-1FL	329.12	755.08	116.87							1201.0
+1FL			 270.40						1	270.4
								-		
	<u> </u>			······						
TOTAL	329.12	755.08	 387.266					CALCULATION	ON I	1471.4
					1	<u> </u>		Detailed Desi	7 13	-
					ļ			rt Reactivation		
						•	∭ in	La Union Prov	vince	

CALC FILE No.:

CALC INDEX No.:

PAGE 089

INITIAL DATE

PREPARED BY Y-Z Jul. 08

LA UNION PORT DEVELOPMENT PROJECT
[3C03 CONCRETE AND FORMWORK]
SUMMARY FL BASE (2)

MAINTENANCE AND REPAIR SHOP

1974, 1831 B. 1981 M 1	ar i kila mereji erdek b	FOUNDATION			e e e (1 e 1955)	RE-BAR (kg)	<u>Alam deleta di Arabia.</u>	3-44-3 (4-44-4-4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	T	MISCELLANEOU	T0T41
	FOUNDATION	BEAM	MAT SLAB	COLUMN	BEAM	SUB BEAM	SLAB	Wall	STAIR	s	TOTAL
-1FL	8,543.4	37,742.9		9,604.2			21,071.5				76,962.0
+1FL											0.0
	-1										
TOTAL	8,543.4	37,742.9		9,604.2			21,071.5				76,962.0
						RE-BAR (kg)					Park Town
	D10	D13	D16	D19	D22	D25	D29	D32		TOTAL	
FOUNDATION		5561.43	2981.97							8,543.4	
FOUNDATION BEAM	727.1	6,431.5				30,584.3				37,742.9	
MAT SLAB]				
COLUMN	1,297.5					8,306.7				9,604.2	
BEAM											
SUB BEAM											
SLAB	1,123.1	19,948.4								21,071.5	
Wall											
STAIR					THE RESERVE OF THE SECTION OF THE SECTION OF		·				
MISCELLAN.								CALCULA Detailed D		1	
					The second second second second second second second second second second second second second second second se				ion Project		
							CALC FI				
TOTAL	3,147.7	31,941.3	2,982.0			38,891.0	ÇALC INC		PAGE 09	76,962.0	
		<u> </u>					I PREPARE		TIAL DATE		

MAINTENANCE AND REPAIR SHOP

[\$C03 CONCRETE AND FORMWORK]

BREAK DOWN OF SUMMARY

		CONCR	ETE (m3	3)			FORM	NG (m2)								RE-BAR	(m)				
ion Symbol				Qty	Total	Width	Height	Qty	m2	Symbol	Dia	Length	Nos	Qty	D10	D13	D16	D19	D22	D25	
ITENANCE	AND RE	EPAIR S	SHOP							Ì											
Base		108.60			108.60		329,12		329.12						0.0	5374.4	1838.0	0.0	0.0	0.0	
FG					101.51				482.13												_
FB					58.73				272.95			· · · · · · · · · · · · · · · · · · ·									
FG+FB		160.25					755.08								1248.4	6215.2	0.0	0.0	0.0	7388.9	
C(-FL)		19.95			19.95		116.87		116,87												-
																					-
C(1F)			46.63		46.63			270.40	270.40	ļ											-
C SUM				66.57		387.27			·						2227.8	0.0	0.0	0.0	0.0	2006.8	
1F Slab	l	208.76			208.76											19277.5					
2F Slab			7.31		7,31									-	1928.4						-
ZI SIAD					7.01										1020.7						
Slab SUM	!		j	216.07						ļ											
TOTAL			53.93		551.49			270,40	1471.46					m	5404.6	30867.2	1838.0	0.0	0,0	9395.8	
		-1FL	+1FL				-1FL	+1FL					1	Kg	3026.6	30712.8	2867.3	0.0	0.0	37395.2	-
													×1.04								
				·							SUM	76.96	ļ	ton	3.15	31.94	2.98	0.00	0.00	38.89	-
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QUANTITY CALCULATION SHEET MAINTENANCE AND REPAIR SHOP

LA UNION PORT DEVELOPMENT PROJECT

[3003 CONCRETE AND FORMWORK |]

				ETE (m3)		,		FORMI			ļ		·····				BAR (m)						
ation	Symbol	Width	Height	Length	Qty	Total	Width	Height	Qty	m2	Symbol	Dia	Length	Nos	Qty	D10	D13	D16	D19	D22	D25	D29	
Ţ	Base																			ļ	·		
																	ļ	162.0		ļ			
	F1	1.00	1.00	0.60	27	16.20	4.00	0.60	27	64.80	B.L.	16 16		6	27 27			162.0		 			
											T.L	13	2.8	12			907.2	102.0		 			
											T.L	13	4,4	2	27	- 	237.6						
							ļi																
	F2	1.20	1.20	0.70	44	44.35	4.80	0.70	44	147.84	B.L.	16	1.20	7	44			369.6					
										}	B.L	16		7				369.6					ł
											T.L T.L	13	3.0	14			1848.0						Ì
							ļ <u>.</u>		 	ļ	<u>T.L</u>	13	5.2	2	44		457.6			·			l
	F3	1,20	2.20	0.70	26	48.05	6.40	0.70	26	116.48		16	2.20		26	<u> </u>	 	400.4					
	73	1,20	2.20	0.70		46.03	0.40	0.70	40	110.40	B.L	16	1.20	12	26			374.4		<u> </u>		<u> </u>	Ì
				 					 -	l	T.L	13	4.4	12 5	26		572.0					1	1
											T.L	13 13		12	26		936.0						
	************								İ		T.L	13	8.0	2	26		416.0			ļ			
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	Base	SUM		1		108.60	11		T	329.12)		l t.		. m	0.00	5374.40	1838.00	0.00	0.00	0.00	0.00	-

PREPARED BY

[3C03 CONCRETE AND FORMWORK

FOUNDATION BEAM (1)

- 1	i		CC	ONCRET	ſΕ			FOR	MING									AR (m)			,		
ion Sy	ymbol	T(m)	H(m)	L(m)	Nos	Toyal (m3)	W(m)	<u> </u> և(m)	Nos	Total(m2)	Symbol	Dia	L(m)	Nos	Qty	D10	D13	D16	D19	D22	D25		1
FB1				1	1					Little Company	TB	25	2.73	4			संबद्धाः जुन			14.2) (J. 1824	436.8		a teres
0	ut End				-	1	;				BB	25	2.73	3 :	40		a standard in				327.6	2 - 1 1	
					· [STR	13	2.10	29	40		2436.0	100	138 E. A. A.	11 1 1 1 N	124 - 76,146		<u> 1 1300 2</u>
					1						WB	10	5.54	2				Profit (Tipe	water 5 = 1	Francis			
						11 - 2 - 4					Tie	10	0.25	7	40	70.0	18 miles	4 1 30	4940 T.C	e for the second	Sant Carre	(1800 m.)	1
	Center										TB	25	3.00	4		كييف أوالإفاداك والم	\$4,5000			1923,800,000	480.0		
		1				Martin Latin				f yara ya sili	BB	25	3.00	6				性致 物基金	k	noview.	720.0		42.00
]	IN End								<u></u>	16.5 16.00	TB	25	2,73	6			300	The Course	1 3 3593	1779 11 LTL	655.2	895a. 7.	
					1				<u> </u>	1 1 1 1 1 1 1 1	88	25 25	2.73	3		make menderal m	4.00	of the same of the same of	States to test		327.6	, 3	4
FB1					i	1111					TB	25	2.73	3				1	Ne ve		212:9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
O	ut End										BB	25	2.73	3			3. 3.1	1		1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1	212.9		
					l						STR	13	2.10	29	26		1583.4				The state of the s	7. d	1
											WB	10	5.54	2	26		27 100						
											Tie	10	0.25	7	26	45:5	1 con 1 min		14.00000000	2.01.02.03.03.	0040		-
	Center										TB	25	3.00	3	26			1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		100000000000000000000000000000000000000	234.0	2.5 2.5 2.5	1 1 2 2
				ļ. <u></u>		1.11				11001.8	88	25	3.00	6	26		remarkation of the second	10000	2. 1. 2. 2. 2.		468.0 425.9		- F2000 - 1000
1	IN End										TB	25	2.73	6	26	A			de station in the		212.9		4
				 							88	25	2.73	3						Walter St.	262.1		
FB2						<u> </u>					TB	25	2.73	3				100 500 142 14 1 1-24		100000000000000000000000000000000000000	262.1		
0	ut End				.	5 (News) (17)					88	25	2.73	3	32 32		1466.2	Mary Santa	1		. 202.1.	5.4	-
											STR	13	1.58 5.54	29	32		1400.2	A visit of the second				-	
	-										WB	10			32			16.20 - 5.70	17	14 35 11/2 14 .	12 to 14 A C		
	-										Tie TB	25	0.21 3.00	3			7 (2) (1 144 47 1 (2) (1 144 47)	-	ļ	41 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	288.0	97	1.0
	Center				 						10	25	3.00	5						2010 DE 1921.	480.0	er in the	
	IN End				}-					-	BB TB	25	2.73	5	32	400000	12 - 15 - 10		 	1001	436.8		-
	IN Engl				i						BB	25	2.73	3		12837 129	E 000 4 1 1 1	1.5	1	251 2.33 3	262.1		
FB3	, 	<u>j</u>			 						TB	25	3.00	3		Animal C	120 (1900)	V 1 / 1 / 1 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /	200	average at the	342:0		
					 						88	25	3.00	- 3	38	7 - 1 7 m	******	534-744	200	m 1995 2 13 15	342.0	. 2 (11)	
	-		 .		+						STR	13	1.28	15			729.6			7 - A - A - A			
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		+		·	1					1.00		11					\$1,500	Participation	y 437-11 to 16,	14 Buttonit	istario met.		
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			1	D	atail	ed Design	1	1						1		remove planting	opatition)		9.70,200		er Selected	1. S. 11 1.	7
										7								1,754.14	- No. 7		B 20 000		
			0			tivation								1			9/19/19/	1650 NY 7	102 545	11 12 E 14 A	14,148,0	1987 (4)	
	SUB		1	in La	Uni	on Provi	000							i	(m)	1248.4	6215.2			İ	7388.9		
~ TC	OTAL				-									i	(kg)	699.1	6184.2				29408.0		7
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			MCALC	INDE)	(No.	.: 18	PAGE 09	14 #															

LA UNION PORT DEVELOPMENT PROJECT

[3C03 CONCRETE AND FORMWORK

			CON	CRETE (m	3)			FORMIN	IG (m2)								RE-B.	AR (m)					
ocation	Symbol	Width		Length		Total		Height		m2	Symbol	Dia	L(m)	Nos	Qty	D10	D13	D16	D19	D22	D25	D29	D29
	FG]	3 20 344 54	and the second	0.1839.4	(1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Surf Street			
																garan Angele a					december.	49 1921	Septiment Se
Æ	FB1	0.35	0.85	5.23	2	3.11	1.52	5.23	2 2 2	15.90						<u> 245000.</u>	4 14 M		5	25.00	a file in the		
		0.35	0.85	5.42	2	3.22	1.52	5.42	2	16.48	ļ	<u> </u>		ļi			a merekani. Ali salah salah	15. 25.d		Carl of Section 5		letra di liggi. Nata di sera	
		0.35	0,85	5.42	2	3.22	1.52	5.42	2	16.48		·	i			14 2 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	The second of th	i zakytny č č Transky	13 (21 79)			Total Control	-
		0.35	0.85	5.42	2	3.22	1.52	5.42	2	16.48	<u> </u>						1944			7 Table 1 Tabl	PART S		a di sa di
		0.35	0.85	5.42	2	3.22	1.52	5.42	2	16.48	<u> </u>		ļ			THE STATE OF THE S	1994 mile e in 6	100 See 344		**********	e hasha e	1 34 6 4	
	ļ	0.35	0.85	5.42	2	3.22	1.52	5.42 5.42	2	16.48 16.48			[-			the laws of	1 1 to 2 to 1 to 2	30.01	1. 17			
	ļ	0.35 0.35	0.85 0.85	5.42 5.42	2	3.22 3.22	1.52 1.52	5.42 5.42	2	16.48		-		 -				1	-		3. 2. 5		
		0.35	0.85		2	3.11	1.52	5.23	2	15.90	 -	-	 	 -			0.00				V05 1 1	C. proceso	100
	ļ	0.00	0.55	0.20		0.11	1.02	7.29		,,,,,,								2.3 - 7-2				A SECTION	14021
	FB1	0.35	0.85	5.00	1	1.49	1.34	5.00	1	6.70			i			35750 257	454,6		1975			18 18 1 1 A	
<u></u>		0.35	0.85	4.60	1	1.37	1.34	4.60		6.16			1										(C. C.)
	-				·												0.045.5		As it			F3.7.05	J. (1940)
D,D	FB1	0.35	0.85	5.00	2	2.98	1.34	5.00	2	13.40						ekt Wife o	5-1831					1	
·	. 	0.35	0.85		2	2.74	1.34	4.60		12.33						4.5,-15.0	1744 1999	Lagran en fra f	1-1-2-3		1 12 3 4 3	1.95.00	100
			*******										1	1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11.57 (1.17)			1 7 7 7]	1	100
	FB1	0.35	0.85	4.81	1	1.43	1.52	4.81		7.31									<u> </u>		-	4 12 2 12 2 A	
		0.35			1	1.61	1.52	5.42		8.24							100				1 1 1 1 1 1 1 1 1	1	1 1 1
		0.35	0.85	10.81	1	3.22	1.52	10.81	11_	16.43			<u> </u>			100	100 mm	and the second	1		1 1 1 1 1 1 1 1	TENT 11, V	
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LA UNION PORT DEVELOPMENT PROJECT [3C03 CONCRETE AND FORMWORK]

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MAINTENANCE AND REPAIR SHOP

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QUANTITY CALCULATION SHEET

MAINTENANCE AND REPAIR SHOP

LA UNION PORT DEVELOPMENT PROJECT

[3C03 CONCRETE AND FORMWORK]

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ITEM	LOCATION	DISCRIPTION	Qty	UNIT		FL	CALCULATION	kg/m	Loss %	+Loss 5% TOTAL	мемо	
COLUMN	(Axis)A,E通	W24x84 →タトH-612x230x12x20	22050.00	kg			8.0*10*2	125.0		21000.00	4	
	8通	W24x84	22000.00	· VR	ļ		0.0+10+2	120.0		21000.00		į
	Cl	→外H-612x230x12x20	·				8.0*1	125.0	. 5	1050.00	· 	
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										<u> </u>		
COLUMN	1,8,9,10通 C2	W21x62 →外H-533x210x10x16	11061.00	kg			12.0*4	92.0	5	4637.00		
COLOWIN		W21x62		V&				7 22.0	LV	1001.00		
		→外H-533x210x10x16	ļ				9.5*7	92.0	5	6424.00		
						2 1						
	A,E通	W8x21						1		. [
COLUMN		→H-210x134x6x10	6900.48	kg			8.0*12	31.0	5	3124.80		
	1,10通 C3	W8x21 →H-210x134x6x10					9.0*3	31.0	5	878.85	•	
	1,10通	W8x21										
	C3	→H-210x134x6x10	-			:	11.0*1	31.0	5	358.05		
	1,8,9,10通 C3	W8x21 →H-210x134x6x10			OPENING		3.5*2	31.0	5	227.85		
	1,8,9,10通	W8x21							<u>×</u>	221100		
	C3	→H-210x134x6x10			OPENING		4.5*1	31.0	5	146.48		
	1,8,9,10通 C3	W8x21 →H-210x134x6x10			OPENING		5.5*3	31.0	5	537.05		
	10通	W8x21										
	C3	→H-210x134x6x10 W8x21			OPENING		2.5*4	31.0	5	325.48		
(C3	→H-210x134x6x10			SKYLIGHT ROOF		2.5*16	31.0	5	1301.92		
							The state of the s					
										CA	LCULATI	ON
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	•				10.0				11	ECKED BY		

ITEM	LOCATION	DISCRIPTION	Qty_	UNIT		FL	CALCUI	LATION	kg/m	Loss %	+Loss 5% TOTAL	мемс
1 1 13141	1~10通	W24x84				ĺ				j		
EAM :	B1	→外H-612x230x12x20	32812.50	kg	ROOF	ļ	(12.5*2)*10		125.0	5	32812.5	
								*	ļ			
= EAM	A,B,C,D,E,通	W8x21 →H-210x134x6x10	15526.35	kg	ROOF	-	54.0*5		31.0	5	8788.5	
	B',C,C'通	W8x21	10020.50		SKYLIGHT		<u> </u>					
	B2	→H-210x134x6x10			ROOF	┇.	42.0*3		31.0	5	4101.3	
	2~9通	W8x21 →H-210x134x6x10			SKYLIGHT		4.5*2*8		31.0	5	2636.6	*
	<u>B2</u>	7H-210X134X0X10		-	<u>KOO!</u>		77.0.2.0			ļ <u></u>		
	, spanner and a substitute of the second sec	g page person and the second s										
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	1~10通,A~E間	W6x20										
EAM_	B3	→H-158x153x6.6x9	9011.52	kg_	ROOF	_	(12.5*2)*9		29.8	5	7040.3	
	2~9通,B'~C'問 B3	W6x20 →H-158x153x6.6x9	1		SKYLIGHT ROOF		4.5*2*7		29.8	5	1971.3	
		TT LOOK TO WOLLDAY						-				
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	8,9通,A~E問	W10x54			SECOND				00.00		5500.0	
EAM	B4	→外H-256x255x9.4x16	5569.0	kg	LEVEL		5.5*4*3		80.36	!i 2	5569.0	
										<u></u>		
	A~E通,8~9問	W14x53		١.	SECOND		5.05.5		70.0	,	01747	
EAM	B5	→外H-354x2050x9.5x17	2174.7	kg	LEVEL		5.25*5		78.9	5	2174.7	
						_		e que la composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della com			<u> </u>	
E 4) (A,E通	W6x25	E694 70)	SECOND LEVEL		5.5*9*2		37.2	 21 5	3867.0	
EAM	B6 1,10通	→H-162x155x8x12 W6x25	5024.10	Kg_	SECOND		CAL	CULATION	31.2	j	3001.0	
	B6	→H-162x155x8x12			LEVEL			ailed-Design-	37.2	5	1757.7	
								eactivation Project	t .			
						-		Inion Province		-		
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	1		F	!	<u> </u>	1	I DALO MOLA	INITIAL DA				
					2of5	-	PREPARED 8					

ITEM	LOCATION	DISCRIPTION	Qty	UNIT		FL	CALCULATION		kg/m	Loss %	+Loss 5% TOTAL	мемо
	A,EŬi	W21x62 →5HH-533x210x10x16	9041.76	kg	FOR CRANE		42.0*2		92.0			
	1~8通	W21x62 →外H-533x210x10x16			FOR CRANE		0.6*8*2		92.0	5	927.4	
												· · · · · · · · · · · · · · · · · · ·
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11. (6.44)			· · ·						-			
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	Mikakada - kupudukudi Mikkaa pagagapungunun aa agu perungun ungura.		*****						<u> </u>			· · · · · · · · · · · · · · · · · · ·

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								VA.	CIND	EX N	D.: INITIA	PAGE 09
	H ;TOTAL		119.772	kg				PR	7888		9	F Juli
			223,7,0	<u></u>					1.45		COLA	Aujor

ITEM	LOCATION	DISCRIPTION	Qty	UNIT		FL	CALCULATION	kg	/m %	+Loss 5% TOTAL	МЕМО
JRLIN	POLIN C-4"*1/16" @1000	C-100*50*1.6*13	45 <u>92.7</u>	kg .		54.0*15*2			3 5	4592.7	
112											
									ŧ		
FTER	POLIN C-4"*1/16" @1000	C-100*50*1.6*13	3410.2	kg		(24*7+13*	4)*2+54*7*2*0.85		3 5	3410.2	· · · · · · · · · · · · · · · · · · ·
			-	٠.							
·	C (LGS) ;TOTAL		8,003	kg							
											,
`UD	graphic and the control of the contr	C-4*5.4→C-100*40	849.1	kg_		100.7			3.03 5	849.1	
									·		
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									CA	LCULAT	ON
							*.		n Port i	tailed Des Reactivation Union Pro	n Project
								7,	FILE		
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	C;TOTAL		849	kg				PRE	ARED F	Y 4.	F Ju - Aufö

ITEM	LOCATION	DISCRIPTION	Qty	UNIT		FL	CALCULATION	kg/m	Loss %	+Loss 5% TOTAL	мемо
LASIN		L3"x3"x3/8"			SKYLIGHT				}		
	BR-1	→L-75x75x9	585.648	kg	ROOF		3.5*2*8	9.96	5	585.6	
BLASIN	י בילו	L3″x3″x5/8″	2400 000	1	DOOF		0.5000	70.0	_	2420.0	
3	BR-1	→L-75x75x12	3439.800	. <u>.kg</u>	ROOF	 	3.5*8*9	13.0	5	3439.8	
(
WASIN G	A,E通 BR-2	L4"x4"x5/8" →L-100x100x10	3481.013	kg			3.0*8*2	14.9	5	751.0	
	A,E通 BR-2	L4"x4"x5/8" →L-100x100x10					3.5*8*2	14.9	5	876.1	
	1通 BR-2	L4"x4"x5/8" →L-100x100x10					(4.5+3.0+3.5*6)*1	1			
	1,9,10通	L4"x4"x5/8"	 			Ţ 	-	14.9			
	BR-2	→L-100x100x10				-	(3.0*5+2.5*3)*4	14.9	5.0	1408.1	
				·							
	:							-			
	L;TOTAL		7,506	1				-		LCULA	Crast
	L,IOIAL		7,500	kg				1			
	•				4				1	etailed De	-
	SUB TOTAL		136,130	кg						Reactivati Union P	ion Projec rovince
	GUSSET PLATE,				****			CALC	FILE	No.:	
	H.T.Bolt ,etc	*7%	9,529	kg		-		CALC 1	NH)E-X	No	PAGE
	TOTAL		145,659	kg				ΨΛΕ ν 1	. = 15-21		TIAL DA
								PHEFA	RED		P-8 Ju
					5o f 5			JECK TECK		Y Loi	4 Aug

PAINTING ON STEEL

QUANTITY CALCULATION SHEET MAINTENANCE AND REPAIR SHOP

ITEM	LOCATION	DISCRIPTION	Qty	UNIT		FL	CALCULATION	M ² /n	Loss	+Loss 5% TOTAL MEMO	_
OLUMN	A,E通 C1	W24x84 →ケトH-850x250x16x32	416.80	m2			8.0*10*2	2.4	4	390.40	
	8通 C1	W24x84 →タトH-850x250x16x32					8.0*1	3,3	0	26.40	
	enghangagaphpyridese Aris som yannikhangaddy Rober (ny 1004) Mahhadaddaddada (n								_		-
			···-			:			<u> </u>		
LUMN	1,8,9,10通 C2	W21x62 →外H-650x250x12x25	251.35	m2			12.0*4	2.0)5	98.40	_
		W21x62 → <i>5</i> }H-650x250x12x25					9.5*7	2.3	10	152.95	-
		ż									-
LUMN	A,E通 C3	W8x21 →H-250x125x6x9	185.50	m2			8.0*12	0.8	38	84.00	_
	1,10通 C3	W8x21 →H-250x125x6x9					9.0*3	0.8	38	23.63	
	1,10通 C3	W8x21 →H-250x125x6x9					11.0*1	0.8	38	9.63	
	1,8,9,10通 C3	W8x21 →H-250x125x6x9			開口上		3.5*2	0.8	38	6.13	_
	1,8,9,10通 C3	W8x21 →H-250x125x6x9			開口上		4.5*1	0.8	38	3.94	
	1,8,9,10通 C3	W8x21 →H-250x125x6x9			開口上	_	5.5*3	0.8	38	14.44	_
	10通 C3	W8x21 →H-250x125x6x9			開口上下		2.5*4	0.8	38	8.75	
	B',C'通 C3	W8x21 →1-250x125x6x9			SKYLIGHT ROOF		2.5*16	0.8	38	35.00	
									<u> </u>	CALCULATIO	N N
										Detailed Desig	ır
:									0	n Port Reactivation in La Union Prov	
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PAINTING ON STEEL

ITEM	LOCATION	DISCRIPTION	Qty	UNIT		FL	CALCULATION	m³/m	Loss %	+Loss 5% TOTAL	мемо
	1~10通	W24x84				į					•
BEAM	B1	→夕トH-850x250x16x32	610.00	m2	ROOF		(12.5*2)*10	2.44		610.00	
	A,B,C,D,E,通	W8x21	-			<u> </u>			/		
BEAM	B2	→H-250x125x6x9	409.50	m2	ROOF		54.0*5	0.88		236.25	
	B',C,C'通	W8x21 →H-250x125x6x9			SKYLIGHT ROOF		42.0*3	0.88		110.25	
	B2 2~9通	W8x21			SKYLIGHT		42.0%	0.00		110.20	
	B2	→H-250x125x6x9			ROOF		4.5*2*8	0.88		63.00	
										ł	
						Ļ					
					; ! !						
	1~10通,A~E問	W6x20							•		
ВЕАМ	В3	→H-200x100x5.5x8	201.60	m2	ROOF		(12.5*2)*9	0.70		157.50	
	2~9通,B'~C'問	W6x20			SKYLIGHT						
	B3	1-1-200x100x5.5x8	ļ		ROOF		4.5*2*7	0.70		44.10	
•						ļ					
	Processor	// //									
	8,9通,A~E間 B4	W10x54 →外H-550x200x9x19	160.76		SECOND LEVEL		5.5*4*3	1.70		112.20	
DEMINI	104	1-36-1-2200X500X3X13	100.70	m2	LEVEL	<u></u> -	13.344*3	1.70		112.20	
						İ <u>-</u>					
	A~E通,8~9間	W14x53			SECOND						
BEAM	B5	→外H-550x250x9x22			LEVEL		5_25*5	1.85		48.56	· · · · ·
						!					
	A,E通	W6x25			SECOND						
BEAM	B6	→H-250x125x6x9	54.00		LEVEL	<u></u>	5.5*9-2	.38		37.13	
	1,10通	W6x25			SECOND		CALCULATION				
	B6	→H-250x125x6x9			LEVEL	<u></u>	22.5 Detailed Design	0.38		16.88	
					! !	į	on Port Reactivation Project				
						1	in La Union Province				
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ITEM	LOCATION	DISCRIPTION	Qty	UNIT		FL	CALCULATION	m²/m	Loss %	+Loss 5% TOTAL	мемо
	A,E通	W21x62 →9\H-650x250x12x22	194.28		FOR CRANE	-	42.0*2	2.05		172.20	
.,		W21x62	134.20	1,10			0.6*8*2	2.30		22.08	
	1~8通	→外H-650x250x12x22			FOR CRANE	-	0,0*0*2	2.50		22.00	
		1.0"-0"-2./0"			000000000000000000000000000000000000000	1					
BLASING	BR-1	L3″x3″x3/8″ →L-75x75x9	12.60	m2	SKYLIGHT ROOF		3.5*2*8	0.23		12.60	
									,		
BLASING	BR-1	L3"x3"x5/8" →L-75x75x12	56.70	m2	ROOF		3.5*8*9	0.23		56.70	·
20.141111											
WALL	A,E通	L4"x4"x5/8"	66.75				3.0*8*2	0.30		14.40	
	A,E通	→L-100x100x10 L4″x4″x5/8″	00.75	m2							
	BR-2 1通	→L-100x100x10 L4"x4"x5/8"	<u> </u>	ļ <u>.</u> .			3.5*8*2	0.30		16.80	
	BR-2	→L-100x100x10 L4″x4″x5/8″				-	(4.5+3.0+3.5*6)*1	0.30		8.55	
	1,9,10通 BR-2	→L-100x100x10					(3.0*5+2.5*3)*4	0.30		27.00	
						ļ					-··· - -
											TION
				İ		Ì		#		CALCUL/ Detailed	
	TOTAL PAINTING AF	REA OF MAIN FRAME	2483.79	m2				- - ;		rt Reactiv	ation Proje
·	TOTAL PAINTING AF	REA OF SUB FRAME	<u> </u>	<u> </u> ····	· · · · · · · · · · · · · · · · · · ·					La-Union-	Province
	(PURLIN ,RAFTER ,G		136.05	m2	 					E No.:	PAGE
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3C05 : MASONRY WORK

ITEM NOS.	FINISHING MATERIAL	UNIT	LOCATION	1	·	TOTAL QTY.
	Conclete Block 200mm.thk (Including Conc.Lintel)	m		1F	(54+24)*2*2.1-(7*6*2.1+12*1.1)+5.5*12*2.1-opening35.6	329.2
					SUB TÖTAL TOTAL+ 5%	329.20 345.66
3C0502	Conclete Block 100mm.thk (Including Conc.Lintel)	m	Toilet	1F	(4.5+2+5.8-2.1+1.6*4+1.5*4+4.2-2.1)*2.1	51.87
					TOTAL+ 5%	54.46
				-		

	CALCULATION
_	Detailed Design
	on Port Reactivation Project
	in La Union Province
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3007: TILE WORK

TEM	FINISHING MATERIAL	UNIT	LOCATION	STOREY	QUANTITY CALCULATION	TOTAL QTY
	Floor Ceramic Tile 33*33*8mm	m	Interior	1F	6*6+4.5*12	90.00
					TOTAL+ 5%	94.50
	Floor Ceramic Tile 20*20*8mm	m	Toilet		9.2*6	55.20
	en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la companya de la companya de la companya de la companya de la companya de la companya de la co				TOTAL+ 5%	57.96
C0703	Step Nosing Tile (Interior)	m	Service Pit		1.0*7Steps*2	14.00
					TOTAL+ 5%	14.70
	: · · ·					
3C0704	Internal Wall Ceramic Tile 20*30*8mm	m	Toilet,		(6*6+3.225*2)*2.1+(4.45+0.6+1.4+5.8+1.6*4+4.2+1.5*4+0.5)*2*2.1-19.53	192.89
					TOTAL+ 5%	202.50
				<u> </u>		
300705	Granite Tile Shelf Top	m			(4.3+2.4)*0.15	1.0
					TOTAL+ 5%	1.00

CALCULATION

Detailed Design
on Port Reactivation Project
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QTY. CALC.(MAINT&REPAIR SHOP FINISHING)

3C08: PLASTERING WORK

ITEM NOS.	FINISHING MATERIAL	UNIT	LOCATION	STOREY	QUANTITY CALCULATION	TOTAL QTY
	Cement Motar Plaster To Wall	m	Interior (Base for AE	1F P)	(6+36)*2.2+12*1+(42+24)*2*2.1-Opening96.78	284.82
	·		External Wall (Base for AE	External Wall 5. (Base for AEP)	5.4*(9+4)*2*2.1~Opening96.78	198.06
	· 				SUB TOTAL TOTAL+ 5%	482.88 507.02
3C0804	Control Joint ;w20 ,Caiking	m	External Wall		Axis :1&10	41.8
					SUB TOTAL TOTAL+ 5%	109.00 114.45
3C0802	Cement Mortar Skirting Without Paint , H:100mm	m			(54+24)*2+6*8+(24*2+6)-12	246
					TOTAL+ 5%	258.30
3C0803	Cement Motar Plaster To	m²			4.5*3.2+18*1.5	41.4
	Floor			<u> </u>	TOTAL+ 5%	43.47
3C0805	Concrete Slab Steel Trowel Floor Finish	m	EQP.Maint Ar	ea	24*6+2.8*4.6+6*7*24+6*6*2	1236.88
	w/Hardner Painting				TOTAL+ 5%	1,298.72
1						_

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	Detailed Design											
į	on Port Reactivation Project											
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3C10:1	PAINTING WORK					1
ITEM NOS.	FINISHING MATERIAL	UNIT	LOCATION	STOREY	QUANTITY CALCULATION	TOTAL QTY.
	AEP (On Mortar Plaster)	m	Internal Wall		Same as Cement Mortar Plaster to Wall	284.82
	AEP (On Gypsum Board w/ Suspended Ceiling)	m	Mezzanine Flo	or	(6+4.5)*6	63.00
	AEP (On Gypsum Board w/ m LGS Frame Wall)				3.1*21.2+3*21.2+(4.5+2.8)*6.1+3*1.5+3.1*5.2*7+3*5.2*7+3*4.5*6	481.39
	AEP (On Cement Fiberboard w/LGS Frame				Same as Cement Fiberboard to Wall	159.14
	t ibelboard W/ EGO I faille			 	SUB TOTAL	988.35
					TOTAL+ 5%	1037.77
3C1002	AEP (On Mortar Plaster	m³	External Wall		Same as Cement Mortar Plaster For External Wall	198.06
	; Exterior)				TOTAL+ 5%	207.96
3C1003	OP	m²	On Wooden	Door	(D2);0.8*2.1*2*2+(D4);0.7*2.1*6*2	22.96
				Door F	rame ,Skirting 3.94+10.54	14.48
		m	On Steel	Steel [] Door ,Shutter) (D1) ;0.9*2.1*2*4 + (D3) ;0.9*2.1*2*3 + (D5) ;4.5*4.5*2*5 +(D6) ;6.5*4.65*2*1	811.34
				 	SUB TOTAL	848.78
			———	1	TOTAL+ 5%	891.22
l	TOTAL					

CALCULATION										
Detailed Design										
on Port Reactivation Project										
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QTY. CALC.(MAINT&.REPAIR SHOP FINISHING)

3C11: CARPENTRY AND JOINERY WORK

ITEM NOS.	FINISHING MATERIAL	UNIT	LOCATION	STOREY	QUANTITY CALCULATION	TOTAL QTY.	
	Wodden Door Frame	m	D2 ,D4		(0.8+2.1*2)*2+(0.7+2.1*2)*6	39.4	
					TOTAL+ 5%	41.37	
						405.	
3C1101	Wodden Skirting	m	Mezzanine FL		6*8+4.5*6+3.2*2+24	105.4	
		1.					
			<u> </u>			<u> </u>	
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						C/	LCULATION
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QTY. CALC (MAINT& REPAIR SHOP FINISHING)

3C12:1	INTERIOR	FINISHING	WORK

	NTERIOR FINISHING WORK	`				
ITEM NOS.	FINISHING MATERIAL	UNIT	LOCATION	STOREY	QUANTITY CALCULATION	TOTAL QTY.
3C1201	Cement Fiberboard W/Suspended Ceiling	mi	Interior		(6+3.2)*6+4.5*3.2	69.6
					TOTAL+ 5%	73.08
·						
	Cement Fiberboard W/LGS Frame Wall	m.	Toilet		0.4*5.2*6+0.4*0.32*2+(8.2-2.1)*24	159.14
					TOTAL+ 5%	167.09
3C1204	Gypsum Board W/LGS Frame Wall	m			Same As AEP	481.39
					TOTAL+ 5%	505.46
3C1202	Gypsum Board W/Suspended Ceiling	m			Same As AEP	63.00
	·			-	CALCULATION 1 TOTAL+ 5%	66.15
					Detailed Design	33.10
					on Port Reactivation Project	-
				 	in La Union Province	
	TOTAL				CALC FILE No.:	
					CALC INDEX No	

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PREPARED BY C.F. Jul. 02
CHECKED BY Caff August

QTY. CALC.(MAINT&.REPAIR SHOP FINISHING)

TEM	FINISHING MATERIAL	UNIT	LOCATION	STOREY	QUANTITY CALCULATION		TOTAL QTY
NOS.	Steel Handrail ; h.1.200	m	Mezzanine Co	rridor			17.20
	Baluster Steel Pipe dia;25m	m @1					
	Handrail Steel Pipe dia;34mr		Stair	ļ			9.50
					SUB	TOTAL	26.70
						TOTAL+ 5%	28.04
	·.						
3C1302	Metal Flashing Plate	m	External Wall		2+(5-2.1)*2*6		190.8
	(Prices shall be included in Formed Steel Sheet Work)		(Top of Conc. ,Around Open			TOTAL+ 5%	200.34
3C1301	Formed Steel Roof Sheet	mi	Roof	-	5*2+Overlapping43*1.5*2		1712.40
	(Including Glass Fiber Board	Sky L				TOTAL+ 5%	1798.02
3C1302	Formed Steel Wall Sheet	m	External Wall		5-2.1)*24*2+(1.5+6.5)*13.5*2+2.44*4*2*2+(8.2-2.1)*54*2+2.4*42*2- pening238.85		1087.79
					238.85		
						TOTAL+ 5%	1142.18
3C1304 Eaves Gutter		m		<u> </u>			160.40
ŕ	(Galvanized Steel Sheet 0.6 Size .h;500mm*w;400mm	mm 1 m				TOTAL+ 5%	168.42
3C1305	Eaves Gutter		Monitor Roof				84.00
	(Galvanized Steel Sheet 0.6 Size .h;200mm*w;200mm	mm ! H	K		CALCULATION	TOTAL+ 5%	88.20
	Steel Guard Pipe Of	m			Detailed Design on Port Reactivation Project		20.00
	Downspout Bottom ; h,2m	ļ			in La Union Province	TOTAL+ 5%	21.00
	TOTAL	1			CALC FILE NO.	101712.00	
					CALC INDEX No.: PAGE ///		

QTY. CALC.(MAINT&REPAIR SHOP FINISHING)

۲. N	FINISHING MATERIAL	UNIT	LOCATION	STOREY	QUANTITY CALCULATION	TOTAL QTY.	
309	Metal Wire Mesh	m	Monitor Roof		5.6*1.4*7	54.88	
	for Bird Proof				TOTAL+ 5%	57.62	
308	Steel Grating Cover of	m	Wash out	<u> </u>	5.2	5.20	
	Drainage Gutter w:300mm						·
. :							
			<u> </u>				
				<u> </u>			
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3C14 : Miscellaneous Work

VI S.	FINISHING MATERIAL	UNIT	LOCATION STORE	QUANTITY CALCULATION		TOTAL QTY.	
401	Downspout	m	Above FL+2.0m	(7.5+1.2-2)*10		67.00	
	PVC Pipe 100mm DIA		M. Care	(1.5+0.8)*8		18.40	
			Monitor Roof	((1.5+0.6)+6		10.40	
					SUB TOTAL	85.40	
		1.			TOTAL+ 5%	89.67	*
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QTY. CALC.(MAINT&REPAIR SHOP FINISHING)

ГЕМ	FINISHING MATERIAL	UNIT	LOCATION	STOREY	QUANTITY CALCULATION	*	TOTAL QTY.	
IOS. C1501	PVC Drainage Pipe	m	Below GL.+00		1.0*5*2+33.2		43.20	•
	Elbow Underground to Gut					TOTAL+ 5%	45.36	
	or Catch Basin				·	TOTAL: 3%	-73.50	
								•
1503	Conc.Pipe 200mmdia	m					60.00	
,,,,,						TOTAL : 50	63.00	
.						TOTAL+ 5%	03.00	
							54.00	•
	Conc.Drain Ditch w;400 w/Conc Cover	m		<u> </u>			54.00	
	W/ Colla Covel					TOTAL+ 5%	56.70	
					Conc Volume (0.6*0.1+0.49*0.1*2+0.6*0.1)*54=	11.77 m3		
01504	0 0 11 0 : 000,000				5 nos			
C 15U4	Conc.Catch Basin ;800*800	nos						
	•	İ			Conc Volume (0.8*0.8*0.1+0.62*0.1*4+0.8*0.8*0.1)*5=	1.88 m3		
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