	QUANTITY CALCULATION C	OVER SHEET	
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	ACCESS BRIDGE	Pay Item No. (BOQ)	2D-070]
Quantity Item	CONCRETE	Unit	m³

Access bridge concrete was computed for Plothorm

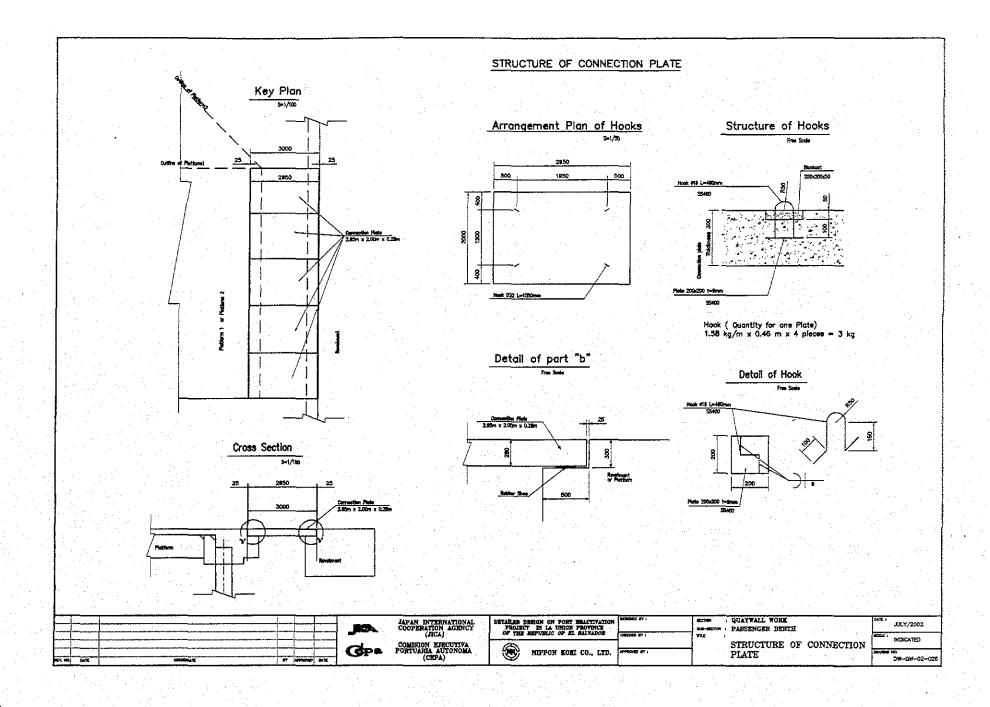
1 and Platform 2.

Volume was computed per one black and then, multiplied to the total number of blacks.

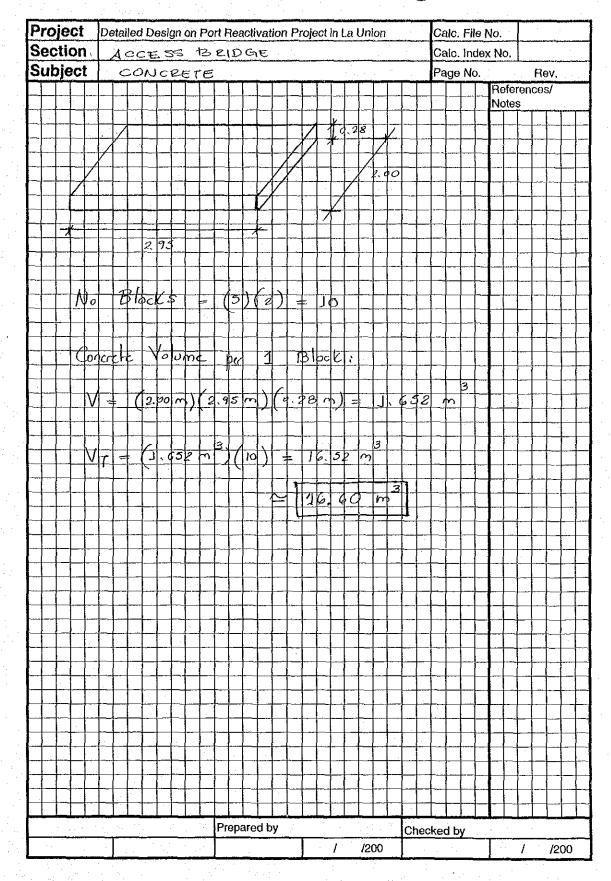
References, Calculation Base and Revisions

References: Tender Drowings: DIW-QW-02-026 Shuchur of Connection Plate

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	QUANTITY CALCULATION C	OVER SHEET	
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	ACCESS BRIDGE	Pay Item No. (BOQ)	2D-0702
Quantity Item	FORM	Unit	mZ

Access bridge form was computed for Platform 1 and Platform 2.

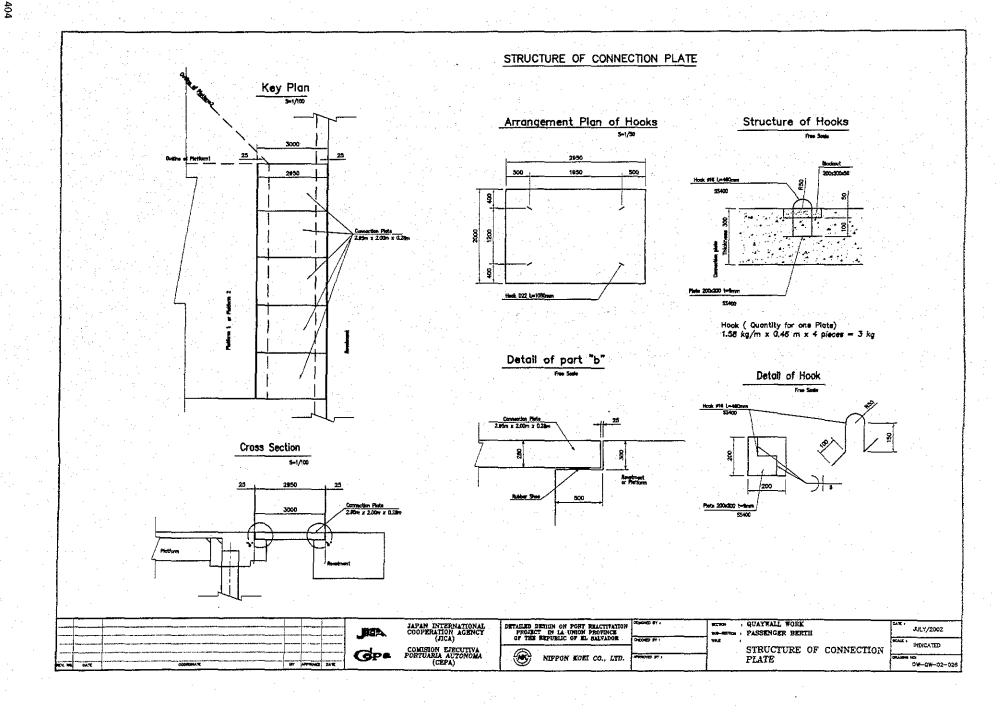
Area was computed per one block and then, mulkplied by the total number of blocks.

References, Calculation Base and Revisions

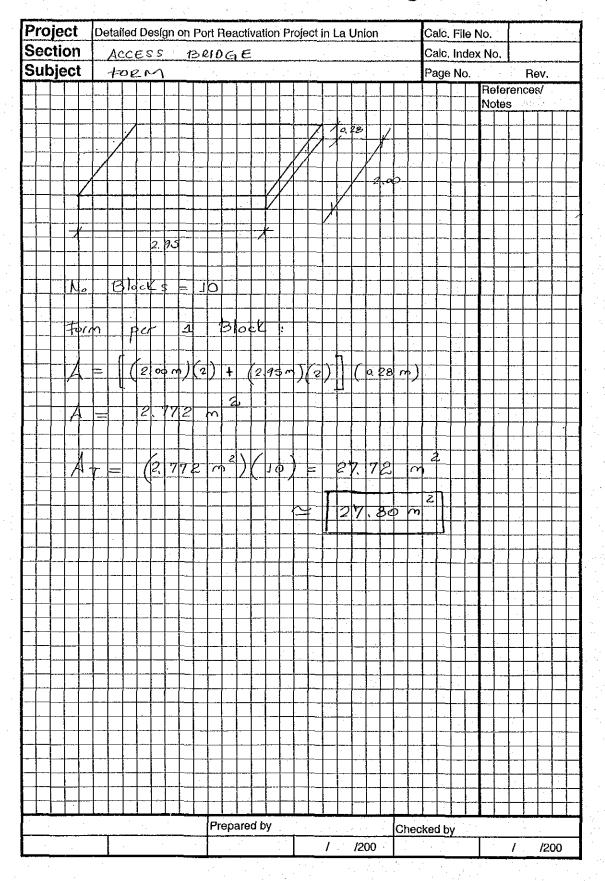
References: Tender Drawings:

DW-QW-02-026 Shucher of Connection Plate

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	QUANTITY CALCULATION C	OVER SHEET	
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	ACCESS BRIDGE	Pay Item No. (BOQ)	2D-0703
Quantity Item	BEINFOR CCHENT	Unit	Kg.

Reinforcement access bridge was computed for connection plate of Platform 1 and Platform 2. Reinforcement was computed summarizing all bor lengths of each type of diameter.

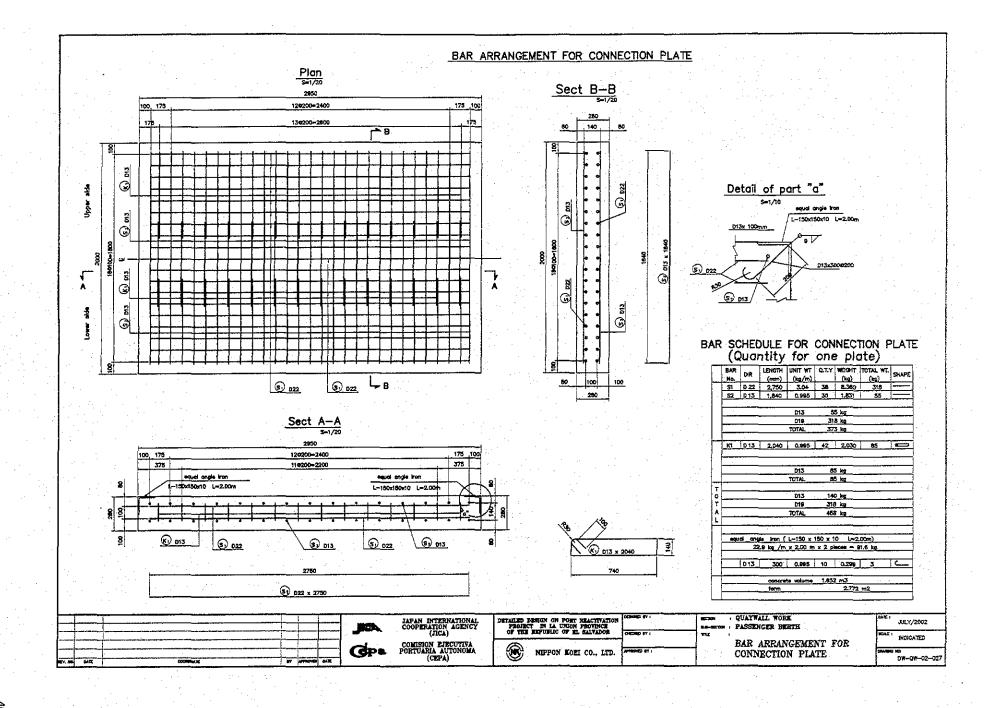
References, Calculation Base and Revisions

Reference. Tender traverge:

CW-QW-02-027 Bor Arrongement for Connection

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001																																
Work Section Title	ACCESS BRIDGE	Pay Item No. (BOQ)	20-0704																																
Quantity Item	LIFTING BAR & PLATE	Unit	Kg.																																

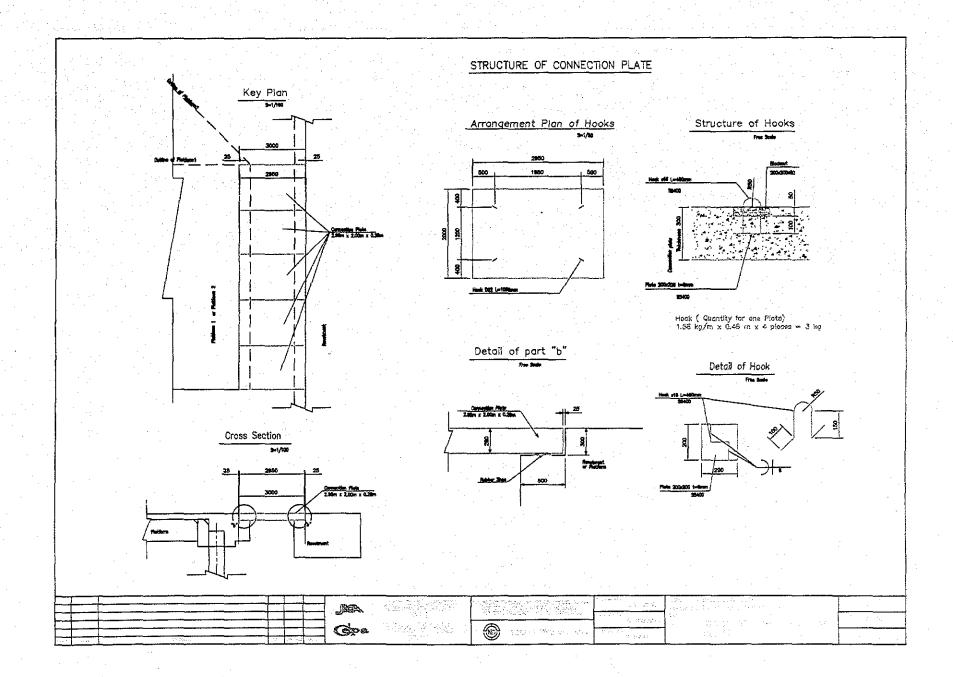
lifting bor and plate was computed for connection plate of Mollorm 1 and Platform 2.

They were computed summonizing the number of plates and lithing bor length in one block. The result was multiplied by the total of blocks. (See the atlasmed drawing).

References, Calculation Base and Revisions

References: Tender Dowings: OW-QN-02-026 Shuchure of Connection Plate

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	QUANTITY CALCULATION C	OVER SHEET	
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	ACCESS BRIDGE	Pay Item No. (BOQ)	2D-0705
Quantity Item	CORNER ANGLE & RE-BAK	Unit	Kg

Corner angle and Re-bor was computed for connection plate of Platform I and Platform Z. They were computed summarizing the number of angles and length of re-bor in one block. The result was multiplied by the label of blocks. (See the attached drawing).

References, Calculation Base and Revisions

Relements: Tinder Drawings:

Drawings:

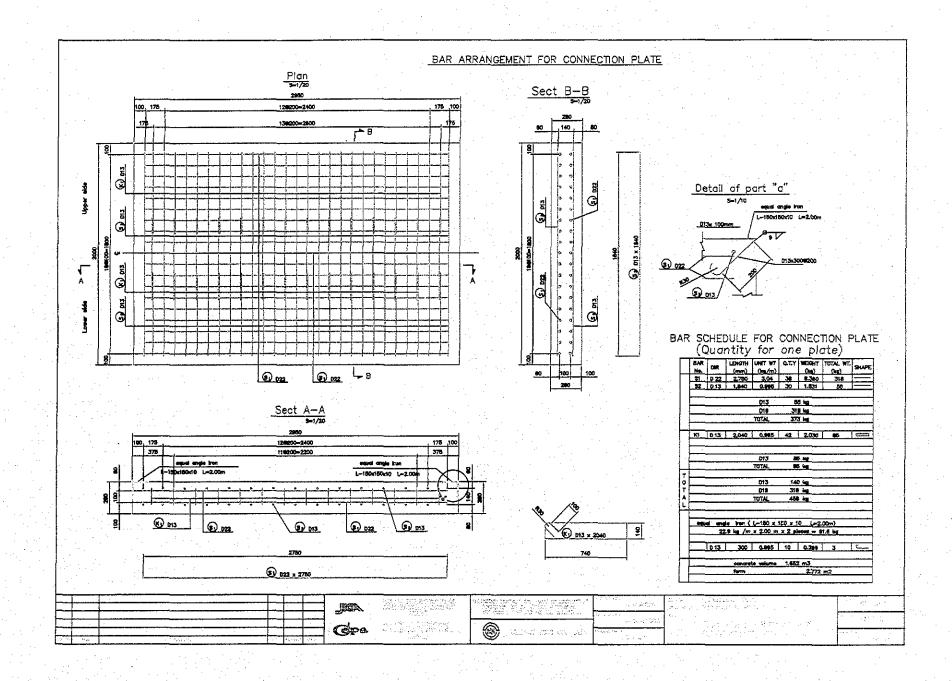
Drawings:

Drawings:

Bor Among ment for Connection

Plate

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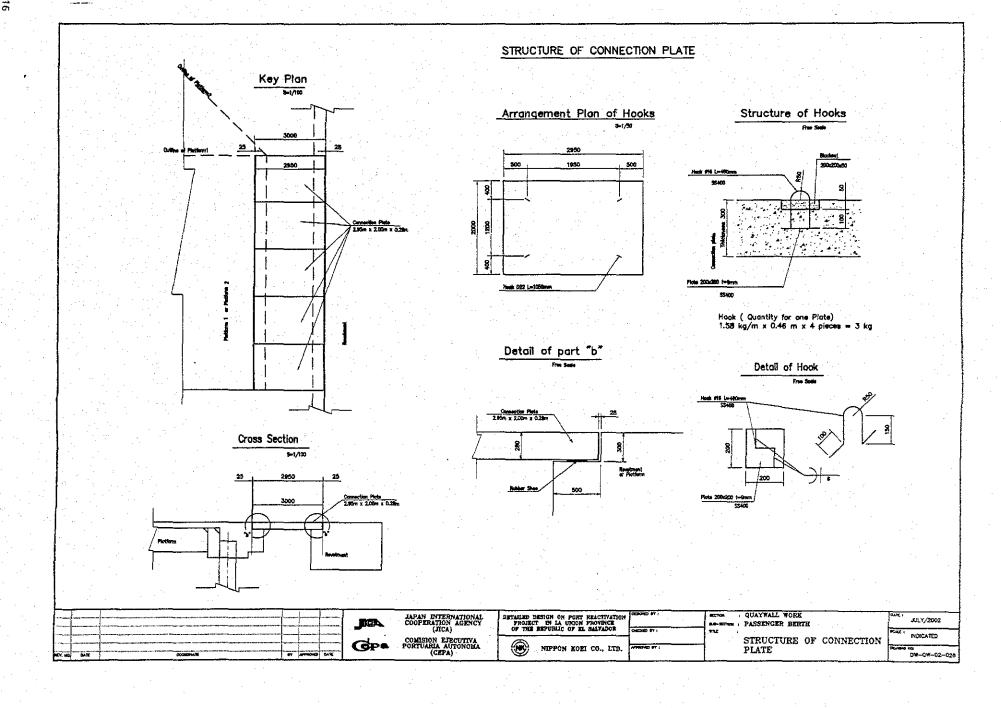
	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	ACCESS BRIDGE	Pay Item No. (BOQ)	2D-0706
Quantity Item	RUBBER SHOE	Unit	m

Rubber shoe length was computed for connection plate. Length was computed along one block and multiplied by the botal of blocks.

References, Calculation Base and Revisions

Frommes: Tender Drowings: 0W-QW-02-026 Shucher of Connection Plake

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	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)	2D-08
Quantity Item		Unit	Nos

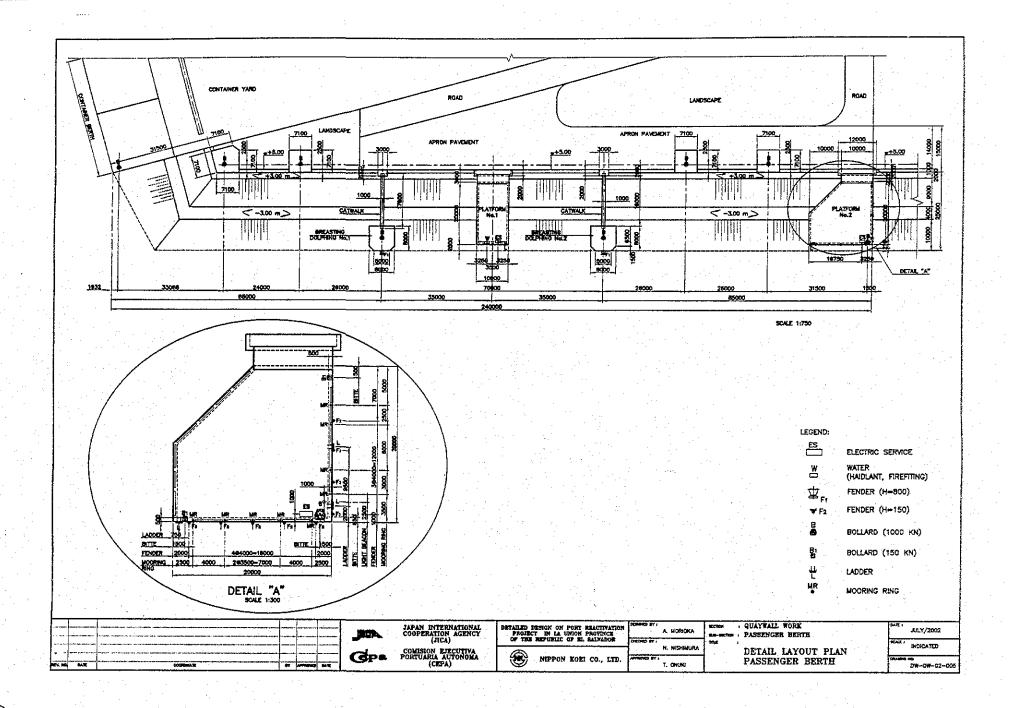
Lodder was computed per unit in Passinger Beilh.

References, Calculation Base and Revisions

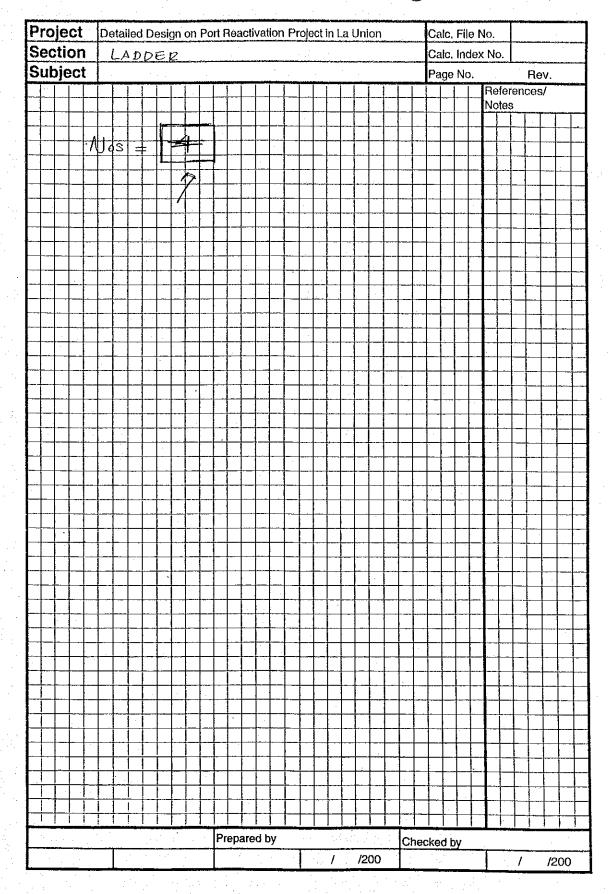
References: Tender Drawings.

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® NIPPON KOEI CO.,LTD.



	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	West Revetment	Pay Item No. (BOQ)	2E-0/0/0/
Quantity Item	Rubble Mound (lower)	Unit	M ³

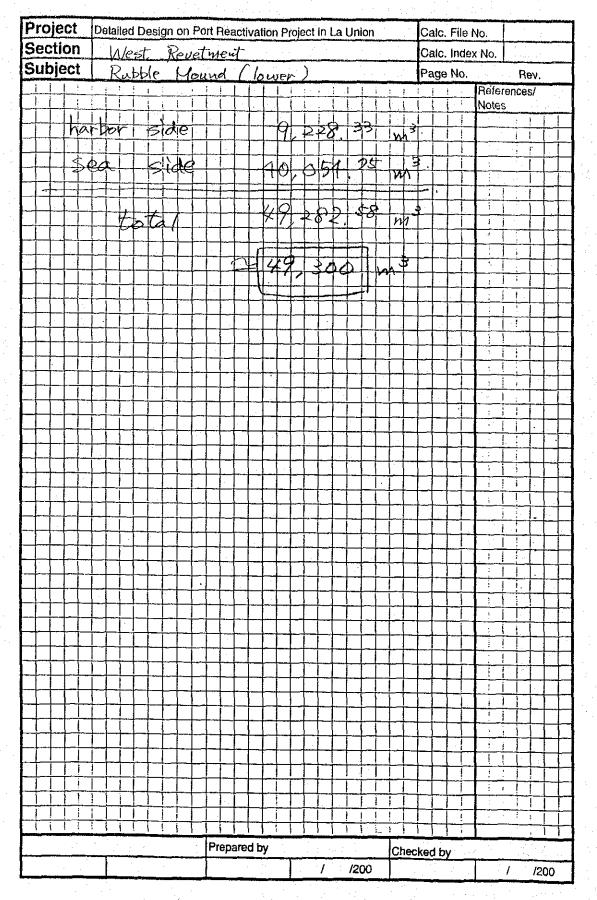
- 1. Calculation of Areas of Sections (Excel)
- 2. Average of Areas of Sections (Excel)
- 3. Calculation of Volume: Average of Aveas of Sections
 times distance between Sections
 (Excel)

References, Calculation Base and Revisions

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OWest Revetment

5. Lower Rubble Mound (harbor side)

5. Lower Rubble Section No.	Area (m²)	Average Area of 2 Sections (m²)	Distance Between Sections (m)	Volume (m³)
No.0-39.20	0.00			
No0-5.00	180.09	90.05	34.20	3,079.54
1700-0.00	180.09	180.09	5.00	900.45
No.0 ¹	180.09	117.73	0,00	0.00
No.0	55.36		0.00	
No.0+0.61	55.36	55.36	0.61	33.77
		62.73	8.13	509.95
No.1	70.09	62.64	8.13	509.26
No.2+0.43	55.19			
No.2+0.43	55.99	65.59	0.00	0.00
No.2+9.29	36.60	46.30	8.86	410.17
	- N. N	31.21	6.21	193.81
No.2+15.50	25.82	24.30	2,00	48.59
No.2+17.50	22.77			
No.3	${22.77}$	22.77	7.50	170.78
		22.77	25.00	569.25
No.4	22.77	22.77	9.80	223.15
No.4+9.80	22.77	19,38	9.00	174.38
No.4+14.86	15.98			
No.5	15.98	15.98	10.14	162.04
		15.98	15.00	239.70
No.5+15.00	15.98	15.98	2.00	31,96
No.5+17.00	15.98			
No.6	15.98	15.98	8.00	127.84
No.7	15.98	15.98	25.00	399.50
1,186		15.98	15.00	239.70
No.7+15.00	15.98	15.98	6.00	95.88
No.7+21.00	15.98	27.3		
No.8	15.98	15.98	4.00	63.92
	and a facility	15.98	25.00	399.50
No.9	15.98	15.98	25.00	399.50
No.10	15.98	15.98	10.00	159.80
No.10+10.00	15.98			
No.10+16.00	4.70	10.34	6.00	62.04
		2.65	9.00	23.85
No.11	0,60			
Total				9,228.33

OWest Revetment

6. Lower Rubble Mound (sea side)

6. Lower Rubble	e Mouna (sea sid			
Section No.	Area (m²)	Average Area of 2 Sections (m ²)	Distance Between Sections (m)	Volume (m³)
	***	<u> </u>		
No.0	243.20	243.20	0.61	148.35
No.0+0.61	243.20	240.20	0.01	140.00
AT 1	AAA AA	276.01	16.00	4,416.16
No.1	308.82	281.73	16.00	4,507.68
No.2+0.43'	254.64			
No.2+0.43	254.64	254.64	0.00	0.00
	204,04	186.90	8.86	1,655.93
No.2+9.29	119.16			and the date of
No.2+15.50	164.58	141.87	6.21	881,01
	104.00	159.30	2.00	318.59
No.2+17.50	154.01			
No.3	154. 0 1	154.01	7.50	1,155.08
		154.01	25.00	3,850.25
No.4	154.01			7 FAA-AA
No.4+9.80	154.01	154.01	9.80	1,509.30
	10.00	154.01	9.00	1,386.09
No.4+14.86	154.01	141.32	10.14	1 700 00
No.5	128.63	141.52	10.14	1,432.98
		128.63	15.00	1,929.45
No.5+15.00	128.63	128.63	2.00	257.26
No.5+17.00	128.63	120.00	2.00	201.20
	100-00	128.63	8.00	1,029.04
No.6	128.63	128.63	25.00	3,215.75
No.7	128.63	120.00	25.00	0,210.70
KT 77. 12.00	100.00	128.63	15.00	1,929.45
No.7+15.00	128.63	128.63	6.00	771.78
No.7+21.00	128.63	1 1		771.10
No.8	190.60	128.63	4.00	514.52
110.0	128.63	128.63	25.00	3,215.75
No.9	128.63		.1.	
No.10	128.63	128.63	25.00	3,215.75
	120.03	128.63	10.00	1,286.30
No.10+10.00	128.63		3 7 7 7	
No.10+16.00	102.12	115.38	6.00	692.25
	102.12	81.78	9.00	736.02
No.11	61.44			
Total				40,054.75
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	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	West Rovetment	Pay Item No. (BOQ)	2E-010102
Quantity Item	Rubble Mound (upper)	Unit	m³

- 1. Calculation of Aveas of Sections (Excel)
- 2. Average of Areas of Sections (Excel)
- 3. Calculation of Volume: Average of Areas of Sections times distance between Sections (Excel)

References, Calculation Base and Revisions

See the tem of affichere dumping of west revetment

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Project	Detailed Design on P	ort Reactivation Project in La Union	Calc. File No.
Section	West Rei		Calc. Index No.
Subject	Rubble N		Page No. Rev.
			References/ Notes
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115	ed side	14-118 93	3
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7. Upper Rubble M	found (ha	rbor side)
OWest Revetment		
t t		

7. Upper Rubbl Section No.	Area (m²)	Average Area of 2 Sections (m²)	Distance Between Sections (m)	Volume (m³)
No.0-17.00	0.00			
No.0-5.00	108.06	54.03	12.00	648.36
No.0		108.06	5.00	540.30
	108.06	73,83	0.00	0.00
No.0	39.60	39.60	0.61	24.16
No.0+0.61	39.60	44.95	7.06	317.31
No.1	50.29			
No.2+0.43'	39.60	44.95	7.06	317.31
No.2+0,43	39.60	39.60	0.00	0.00
No.2+9.29	39.60	39.60	8.86	350.86
No.2+15.50		39.60	6.21	245.92
	39,60	39.60	2.00	79,20
No.2+17.50	39.60	39.60	7.50	297.00
No.3	39.60	39.60	25.00	990.00
No.4	39.60			
No.4+9.80	39.60	39.60	9.80	388.08
No.4+14.86	39.60	39.60	9.00	356.40
No.5	39.60	39.60	10.14	401.54
	110	39.60	15.00	594.00
No.5+15.00	39.60	39.60	2.00	79.20
No.5+17.00	39.60	39.60	8.00	316.80
No.6	39.60	39.60	25.00	990.00
No.7	39.60			-
No.7+15.00	39.60	39.60	15.00	594.00
No.7+21.00	39.60	39.60	6.00	237.60
No.8		39.60	4.00	158.40
	39.60	39.60	25.00	990.00
No.9	39.60	39.60	25.00	990.00
No.10	39.60	39.60	10.00	396.00
No.10+10.00	39.60		6.00	280.50
No.10+16.00	53.90	46.75		
No.11	53.90	53.90	9.00	485.10
No.11+12.50	66.44	60.17	12.50	752.13
		66.44	5.30	352.13
No.11+17.80	66.44	66.44	3.00	199.32
No.11+20.80	66.44	66.44	4.20	279.05
No.12	66.44	66.44	25.00	1,661.00
No.13	66.44			
No.13+11.00	66.44	66.44	11.00	730.84
No.14	66.44	66.44	14.00	930.16
Total				15,972.66

OWest Revetment

8. Upper Rubble Mound (sea side)

8. Upper Rubble Section No.	Area (m²)	Average Area of 2 Sections (m ²)	Distance Between Sections (m)	Volume (m³)
No,0	37.37			
140,0	31.31	37.37	0.61	22.80
No.0+0.61	37.37			
No.1	47.45	42.41	12.00	508.92
		42.41	12.00	508.92
No.2+0.43'	37.37	37.37	0,00	0.00
No.2+0.43	37.37		0.00	0.00
No.2+9.29	37.37	37.37	8.86	331.10
	07.01	37.37	6,21	232.07
No.2+15.50	37.37	37.37	2.00	74.74
No.2+17.50	37.37	31.31	2.00	74.14
N1 0 "	05.05	37.37	7.50	280.28
No.3	37.37	37.37	25.00	934.25
No.4	37.37			
No.4+9.80	37.37	37.37	9.80	366.23
		37.37	9.00	336.33
No.4+14.86	37.37	37.37	10,14	378.93
No.5	37.37	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 1	1. 1. 1. 1. 1. 1.
No.5+15.00	37.37	37,37	15.00	560.55
	· · · · · · · · · · · · · · · · · · ·	37.37	2.00	74.74
No.5+17.00	37.37	37.37	8.00	298.96
No.6	37.37	37.37	8.00	296.96
No.7	37.37	37.37	25.00	934.25
190.7	31.31	37.37	15.00	560.55
No.7+15.00	37.37	AE 78		
No.7+21.00	37.37	37.37	6.00	224.22
		37.37	4.00	149.48
No.8	37.37	37.37	25.00	934.25
No.9	37.37		17.0	
No.10	37.37	37.37	25.00	934.25
1991	the state of	37.37	10.00	373.70
No.10+10.00	37.37	42.31	6.00	253.86
No.10+16.00	47.25	42.01	0.00	200.00
No.11	47.25	47.25	9.00	425.25
		53.63	12.50	670.31
No.11+12.50	60.00	2N 00	E 00	5 V B- A A
No.11+17.80	60.00	60.00	5.30	318.00
No.11+20.80	20.00	60.00	3.00	180.00
140.11720.00	60.00	60.00	4.20	252.00
No.12	60.00			
No.13	60.00	60.00	25.00	1,500.00
		60.00	11.00	660.00
No.13+11.00	60.00	60.00	14.00	840.00
No.14	60.00	33.00	22.00	010.00
Total				14,118.93
				× 1,110.50

QUANTITY CALCULATION COVER SHEET						
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001			
Work Section Title	West Revetment	Pay Item No. (BOQ)	2F-0/0/03			
Quantity Item		Unit	M2			

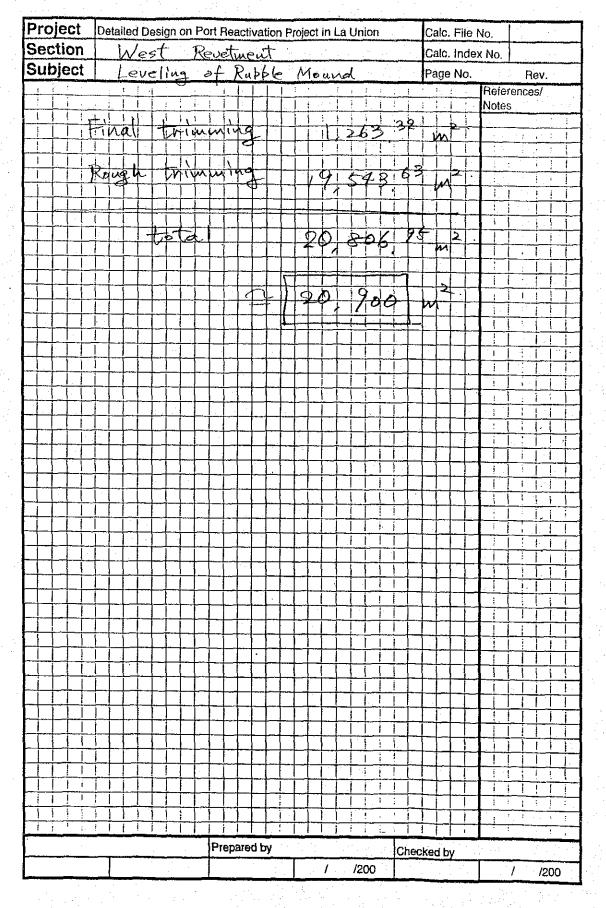
- 1. Calculation of Lengths of Sections (Excel)
- 2. Average of Lengths of Sections (Excel)
- 3. Calculation of Areas: Average of Lengths of Sections
 times distance between Sections
 (Excel)

References, Calculation Base and Revisions

See the item of offshore dumping of west revoluent (2A-10)

Rev	Prep	ared	No. of	Chec	cked	Revi	ewed	Superseded
	by	Date	Pages	by	Date @	by	Date	by Calc No.
0	Kolla Goria -	7		Hi, Journa	78. 1. 14.1	Hi Ando		
1					A. S. S. S. S. S. S. S. S. S. S. S. S. S.			
2								
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NIPPON KOEI CO., LTD.



OWest Revetment

9. Final Trimming of Rubble Mound

Section No.	Length (m)	Average Length of 2 Sections (m)	Distance Between Sections (m)	Area (m²)	
No.0	4.00				
		4,00	8,44	33.76	
No.1	4.00				
		4.00	7.05	28.20	
No.2	4.00				
		4.00	300.34	1,201.36	
No.14	4.00		1997.4		
Total		***************************************	315.83	1,263.32	

10. Rough Trimming of Rubble Mound							
Section No.	Length (m)	Average Length of 2 Sections (m)	Distance Between Sections (m)	Area (m²)			
		Decilons (III)	Decions (n)				
No.0-39.20	0.00	25.49	6.1.60	083.54			
No.0'-5.00	50.98	20.49	34.20	871,76			
No.0'	50.98	59.87	5.00	299.35			
No.0	68.76	59.77	0.00	0.00			
	1	75.75	0.61	46,21			
No.0+0.61 No.1	68.55 82.74	69.25	16.00	1,108.00			
		77.25	16.00	1,236.00			
No.2+0.43	69.95	70.86	0.00	0.00			
No.2+0.43	71.76	68.40	8.86	605.98			
No.2+9.29	65.03						
No.2+15.50	60.83	62.93	6.21	390.80			
No.2+17.50	59.48	60.16	2.00	120.31			
No.3	59.48	59.48	7.50	446.10			
No.4	59.48	59.48	25.00	1,487.00			
	4.4 (2.4)	69.48	9.80	582.90			
No.4+9.80	59,48	59.48	9.00	535.32			
No.4+14.86	59.48	59.48	10.14	603.13			
No.5	59.48	59.48					
No.5+15.00	59.48		15.00	892.20			
No.5+17.00	59.48	59.48	2.00	118.96			
No.6	59.48	59.48	8.00	475.84			
No.7	59.48	59.48	25.00	1,487.00			
		59.48	15.00	892.20			
No.7+15.00	59.48	59.48	6.00	356.88			
No.7+21.00	59.48	59.48	4.00	237.92			
No.8	59.48	59.48	25.00	1,487.00			
No.9	59.48						
No.10	59.48	59.48	25.00	1,487.00			
No.10+10.00	59.48	59.48	10.00	594.80			
No.10+16.00	55.38	57.43	6.00	344.58			
		52.35	9.00	471.15			
No.11	49.32	39.62	12.50	495.25			
No.11+12.50	29.92	29.92	5.30	158.58			
No.11+17.80	29.92	29.92	3.00	89.76			
No.11+20.80	29.92						
No.12	29.92	29.92	4.20	125.66			
No.13	29.92	29.92	25.00	748.00			
No.13+11.00	29.92	29.92	11.00	329.12			
		29.92	14.00	418.88			
No.14	29.92						
Total				19,543.63			

QUANTITY CALCULATION COVER SHEET						
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001			
Work Section Title	West Revetment	Pay item No. (BOQ)	2E-0/0/04			
Quantity Item	Geotextile Shret	Unit	m ²			

- 1 Calculation of Lengths of Sections (Excel)
- 2. Average of Leigths of Sections (Excel)
- 3. Calculation of Area: Average of Lengths of Sections
 times distance between Sections
 (Excel)

References, Calculation Base and Revisions

She the item of offshare dumping of west revolunent (2A-10)

Rev	Prep	ared	No. of	Che	ked	Rev	iewed	Superseded
1167	by	Date	Pages	by	Date	by	Date	by Calc No.
0	Kola Gordo			Hi. Touma		Mr. Indo		
1								
2								
3								

Section No.	Length (m)	Average Length of 2 Sections (m)	Distance Between Sections (m)	Area (m²)
No.0	41.03			
No.0+0.61	40.83	40.93	0.61	24.9
No.1	48,47	44.65	3.53	157.6
No.2+0.43'	43.67	46.07	3.53	162.6
		43.65	0.00	0.0
No.2+0.43	43.63	42,19	8.86	373.8
No.2+9.29	40.75	39,78	6.21	247.0
No.2+15.50	38.80			
No.2+17.50	38.17	38.49	2.00	76.9
No.3	38.17	38.17	7.50	286.2
		38.17	25.00	954.2
No.4	38.17	38.17	9.80	374.0
No.4+9.80	38.17	40.12	9.00	361.0
No.4+14.86	36.61			
No.5	36.61	36.61	10.14	371.2
No.5+15.00	36.61	36.61	15.00	549.1
		36.61	2.00	73.2
No.5+17.00	36.61	36.61	8.00	292.8
No.6	36.61	36.61	25.00	915.2
No.7	36.61			
No.7+15.00	36.61	36.61	15.00	549.1
No.7+21.00	36,61	36.61	6.00	219.6
		36.61	4.00	146.4
No.8	36.61	36.61	25.00	915.2
No.9	36.61	36.61	25.00	915.2
No.10	36.61			
No.10+10.00	36.61	36,61	10.00	366.1
No.10+16.00	37.61	37.11	6.00	222.6
	35.80	36.71	9.00	330.3
No.11	59.60	25.90	12.50	323.7
No.11+12.50	16.00	16.00	6.30	84.8
No.11+17.80	16.00	16.00	3.00	
No.11+20.80	16.00			48.0
No.12	16.00	16.00	4.20	67.2
No.13		16.00	25.00	400.0
	16.00	16.00	11.00	176,0
No.13+11.00	16.00	16.00	14.00	224.0

10,208.99

QUANTITY CALCULATION COVER SHEET						
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001			
Work Section Title	West Revelment	Pay item No. (BOQ)	2E-0/020/			
Quantity item	Armor Stone	Unit	₩3			

- 1 Calculation of Areas of Sections (Excel)
- 2 Average of Avers of Sections (Excel)
- 3. Calculation of Volume: Average of Areas of Sections
 times distance between Sections
 (Excel)

References, Calculation Base and Revisions

See the Item of offshore dumping of west revetment (2A-10)

Rev	Prepared		No. of	Checked		Reviewed		Superseded
	by	Date	Pages	by	Date	by	Date	by Calc No.
Ö	hola Gonia E	<u>λ</u>		Mr. Inuma		Mr. Ando		
_1			a dist					
2								
3								

OWest Revetment 11. Armor Stone

11. Armor Ston	<u>e </u>			
Section No.	Area (m²)	Average Area of 2 Sections (m ²)	Distance Between Sections (m)	Volume (m³)
No.0	32.94			
140.0	32.94	32.94	0.61	20.09
No.0+0.61	32.94	05.01	0.01	20.00
	***************************************	40.20	20.19	811.54
No.1	47.46			
No.2+0.43 ¹	20.00	43.23	22.60	976.89
100.2+0.45	39.00	39.00	0.00	0.00
No.2+0.43	39.00	00.00	0.00	0.00
		37.50	8.86	332.25
No.2+9.29	36.00	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A STATE OF THE STA	
No.2+15.50	33.97	34.99	6.21	217.26
140.2710.00	33.31	33.65	2.00	67.29
No.2+17.50	33.32	30.00	2.00	01.20
		33.32	7.50	249.90
No.3	33.32	A A A A		
No.4	33.32	33,32	25.00	833.00
110.4	33.34	33.32	9.80	326.54
No.4+9.80	33.32	00.02	0.00	020.01
	4 1	32.51	9.00	292.59
No.4+14.86	31.70	04.50	- 12-3	
No.5	31.70	31.70	10.14	321.44
0.071	31.70	31.70	15.00	475.50
No.5+15.00	31.70	01.10	10.00	210.00
	<u> </u>	31.70	2.00	63.40
No.5+17.00	31.70			
No.6	31.70	31.70	8.00	253.60
110.0	31.70	31.70	25.00	792.50
No.7	31.70	01.10	20.00	102.00
		31.70	15.00	475.50
No.7+15.00	31.70			
No.7+21.00	31.70	31.70	6.00	190.20
140.7721.00	51.70	31.70	4.00	126.80
No.8	31.70	32,10	1.00	120.00
	*	31.70	25.00	792.50
No.9	31.70	81 78	07.00	
No.10	31.70	31.70	25.00	792.50
110.10	51.70	31.70	10.00	317.00
No.10+10.00	31.70			321100
		28.73	6.00	172.38
No.10+16.00	25.76	94.00	0.00	010.00
No.11	22.84	24.30	9.00	218.70
	22.04	19.01		237.63
No.11+12.50	15.18			The State of
AL TITLE OA		15.18	5.30	80.45
No.11+17.80	15.18	15.18	3.00	45.54
No.11+20.80	15.18	10.10	3.00	40.04
		15.18	4.20	63.76
No.12	15.18		ta established	, ja va
No 19	44.55	13.42	·	335.60
No.13	11.66	11.40	11.00	125.35
No.13+11.00	11.13	11.40	11.00	120.30
7 7 7 7 7	1. 1. 1.	11.13	14.00	155.82
No.14	11.13	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Total				731 47
Total		L	L	10,163.40

	QUANTITY CALCULATION C	OVER SHEET	
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	West Revetment	Pay Item No. (BOQ)	2E-0/0202
Quantity Item	Leveling of Armor Stone	Unit	M^2

- 1. Calculation of Lengths of Sections (Excel)
- 2. Average of Lengths of Sections (Excel)
- 3. Calculation of Areas: Average of Lengths of Sections times distance between Sections (Excel)

References, Calculation Base and Revisions

See the item of offshore dumping of west reveturent (24-10)

Rev	Prep	ared	No. of	Chec	cked	Revi	ewed	Superseded
1164	by	Date	Pages	by	Date	by	Date	by Calc No.
O	Kola Goraa	4		Hi. Truma		Hr. Ando		
1								
2								
3							1.41	

OWest Revetment

12. Trimming of Armor Stone

Section No.	Length (m)	Average Length of 2 Sections (m)	Distance Between Sections (m)	Area (m²)
NY A	35.0			
No.0	37.55	37.55	0.61	22.91
No.0+0.61	37.56			
No.1	45.27	41.41	20.19	836.07
and the second		44.46	22,60	1,004.80
No.2+0.48'	43.65	43.65	0,00	0,00
No.210.43	43.65	45.05	0,00	0.00
No.2+9,29	40.31	41.98	8.86	371.94
110.210.29	40.51	39.19	6,21	243.34
No.2+15.50	38.06	37.70	3.00	
No.2+17.50	37.34	31.10	2.00	75.40
XI. 0		37.34	7,50	280.05
No.3	37.34	37.34	25.00	933.50
No.4	37.34	1.0		
No.4+9.80	37.34	37.34	9.80	365.93
		36.44	9.00	327.92
No.4+14.86	35.53	35.53	10.14	360.27
No.5	35.53		7.5.7	000,27
No.5+15.00	35.53	35.53	15.00	532.95
	00.00	35.53	2.00	71.06
No.5+17.00	35.53	35.53	9.00	201.01
No.6	35.53	30.03	8.00	284.24
No.7	07.70	35.53	25.00	888.25
140.7	35.53	35.53	15.00	532.95
No.7+15.00	35.53	~~~		
No.7+21.00	35.53	35.53	6.00	213.18
		35.53	4.00	142.12
No.8	35.53	35.53	25.00	888.25
No.9	35.53			
No.10	35.53	35.53	25.00	888.25
		35.53	10.00	355.30
No.10+10.00	35.53	32.28	6.00	193.68
No.10+16.00	29.03		0.00	195.00
No.11	25.87	27.45	9.00	247.05
	25.57	21.85	12.50	273.06
No.11+12.50	17.82	17.82	F 90	
No.11+17.80	17.82	11,02	5.30	94.45
No.11+20,80	18.00	17.82	3.00	53.46
140.11.TZU,8U	17.82	17.82	4.20	74.84
No.12	17.82		1 1 1 1 1 1 1 1 1	
No.13	17.40	17.61	25.00	440.25
		16.64	11.00	183.04
No.13+11.00	15.88	15.88	14.00	222.32
No.14	15.88	10,00	14.00	262.02
Total				CC ADIA DE
			<u> </u>	11,400.82

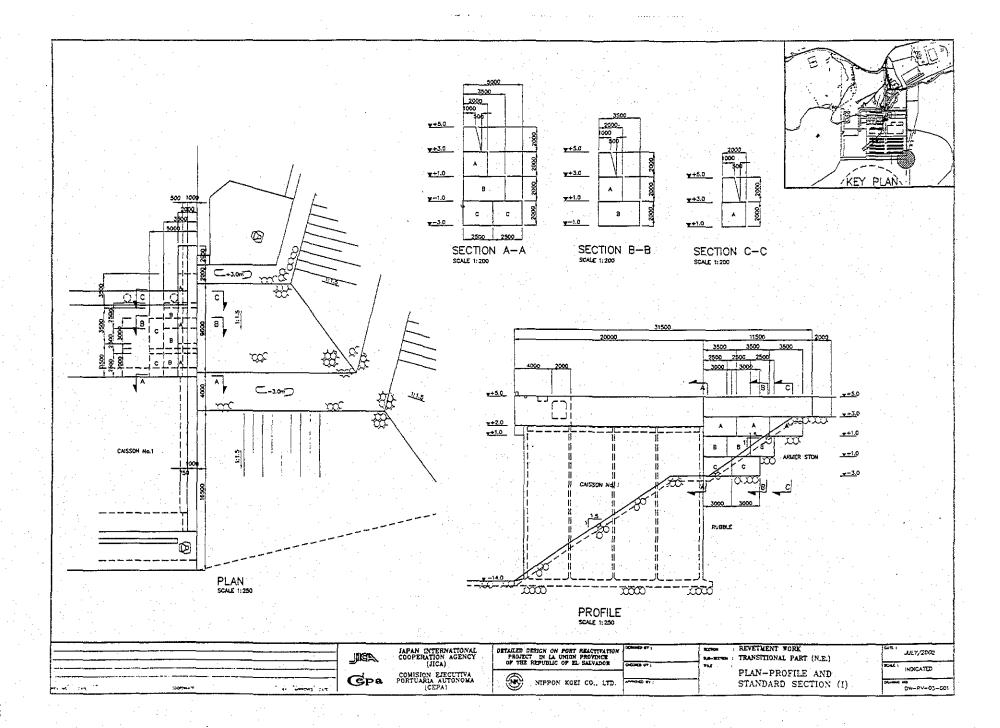
	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	West Revetment	Pay Item No. (BOQ)	2E-010301
Quantity Item	Concrete Block (A)	Unit	M3

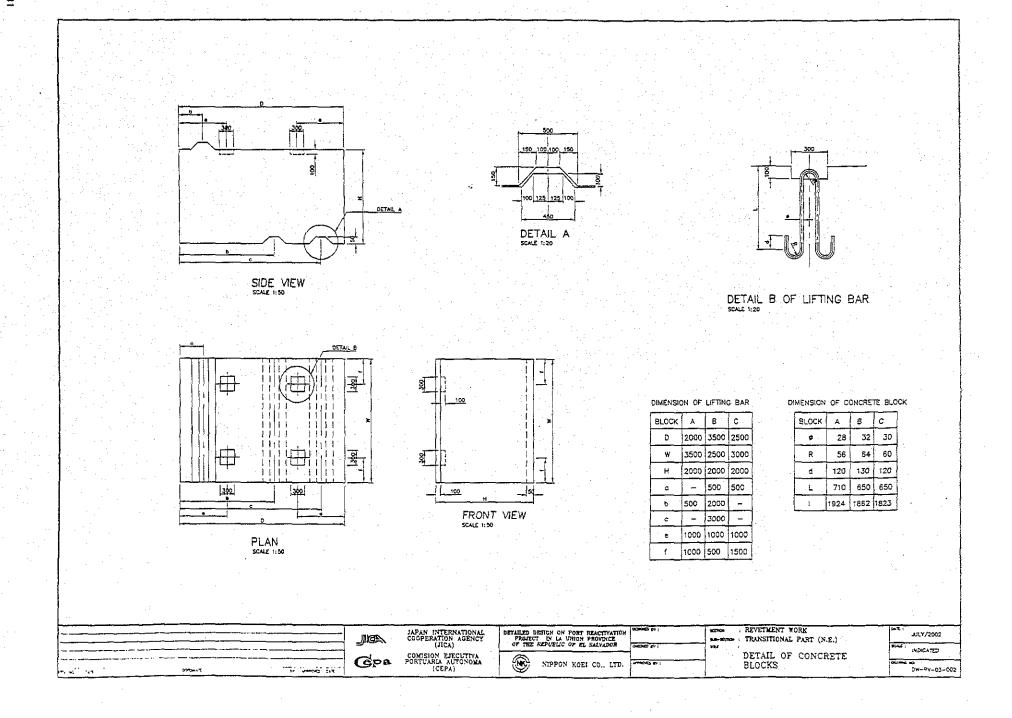
Calculation is carried out based on the attached drawing.

References, Calculation Base and Revisions

DW-QW-03-00/ DW-QW-03-002

Rev	Prepa	ired	No. of	Chec	ked	Revie	wed	Superseded
nev	by	Date	Pages	by	Date	by	Date	by Calc No.
0	Karla Garúa z	<u>2</u>		Hr. Journa		Mr. Ando		
1						1		
2								
3								





(I) NIPPON KOEI CO.,LTD.

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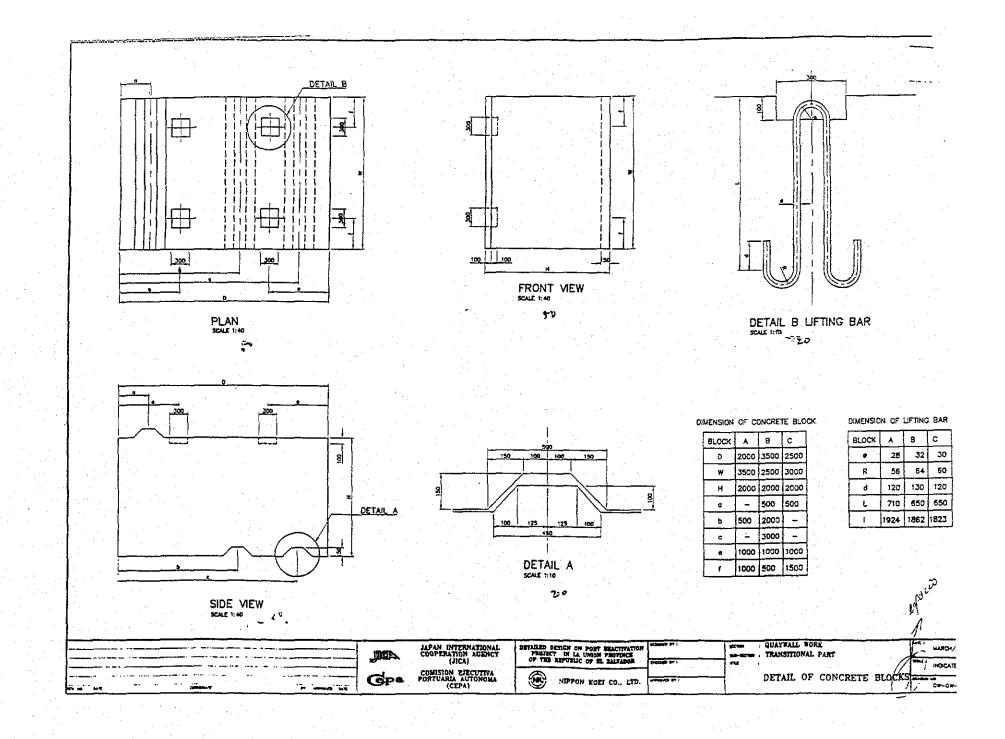
	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	West Revetment	Pay item No. (BOQ)	2E-0/0302
Quantity Item	Concrete Black B	Unit	M^3 .

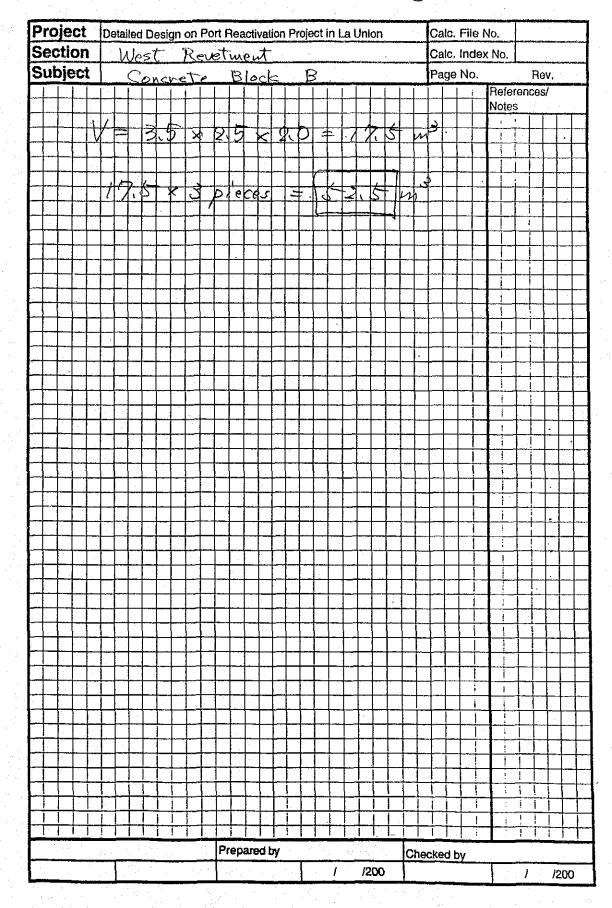
Calculation is carried out based on the attached drawing.

References, Calculation Base and Revisions

DW- QW-03-002

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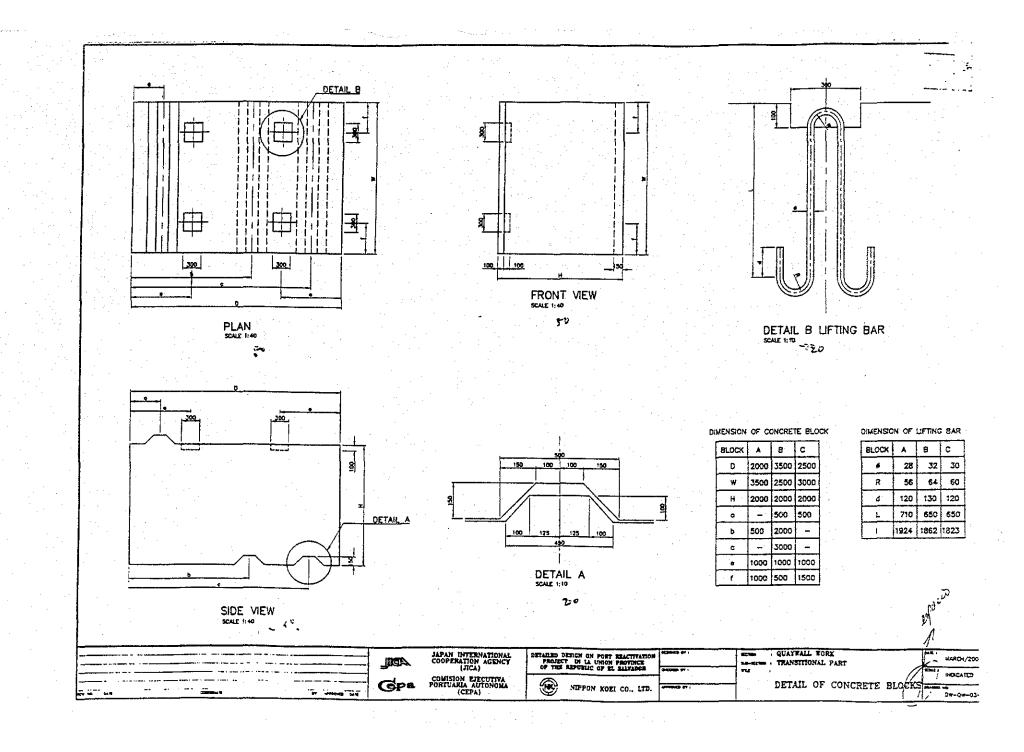
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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	West Revetment	Pay Item No. (BOQ)	25-0/0303
Quantity Item	Concrete Block C.	Unit	w ³
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Calculation is carried out based on the attached drawing.

References, Calculation Base and Revisions

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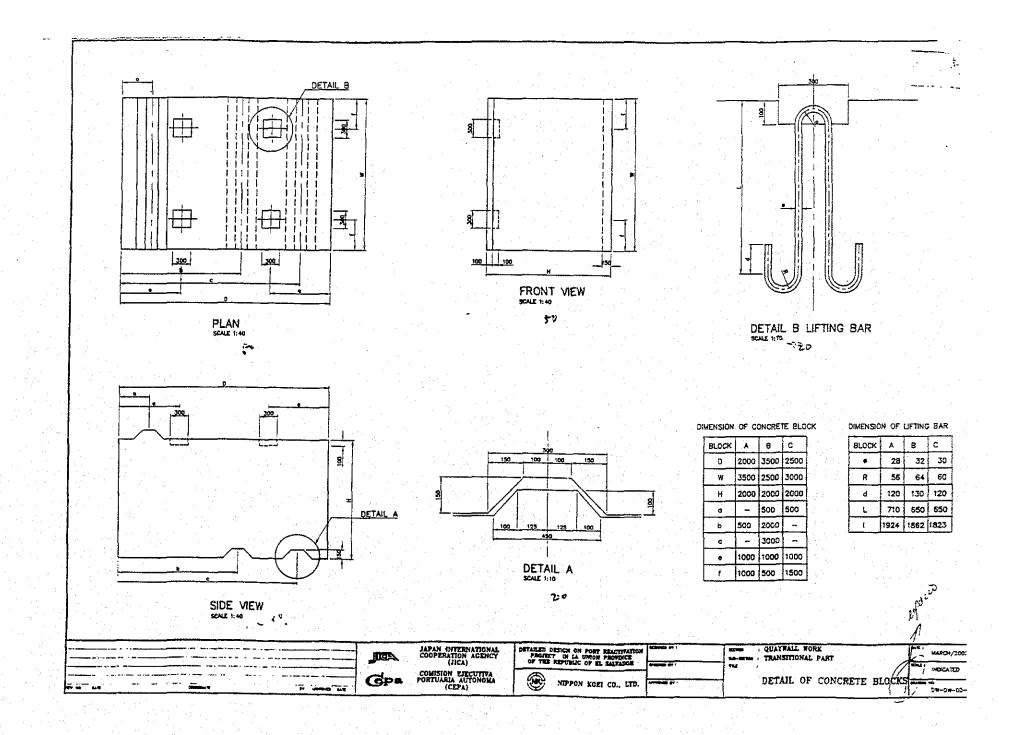
	QUANTITY CALCULATION C		
Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	West Revetment	Pay Item No. (BOQ)	ユモーロルショム
Quantity Item	Form for A	Unit	M2

Calculation is carried out based on the attached drawing.

References, Calculation Base and Revisions

DW-QW-03-002

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	West Revetment	Pay Item No. (BOQ)	2E-0/0305
Quantity Item	Form for B	Unit	W 2-

Calculation is carried out based on the attached drawing.

References, Calculation Base and Revisions

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Project	Detailed Design on Port Reactivation Project in La Union Province	Project Code	JC1N004/2N001
Work Section Title	West Revetment	Pay Item No. (BOQ)	2E-0/0306
Quantity Item	Form for C	Unit	M2

Calculation is carried out based on the attached drawing.

References, Calculation Base and Revisions

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