

Detailed Design Study of Cai Mep-Thi Vai International Terminals

Cai Mep International Container Terminal

Building Works

4. Building Works

3)Mechanical Works

QUANTITY CALCULATION COVER SHEET		
Project	Detailed Design Study of Cai Mep-Thi Vai International Terminals	
Package	Package 1 : Cai Mep International Container Terminal	
Division	Division 4	Building Works
Sub-Section	PAC1 - 4 - D	Amenity Block

Item of Work	PAC1 - 4 - D.b	Mechanical Works
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Summary of Quantities

ITEM NO.	DESCRIPTION	Unit	Quantity	Remarks
4-D.b-1	Air conditioning and ventilation works			
	Supply, lay and joint or fix following as shown on the drawing and as specified			
4-D.b-1-1	Air cooled packaged A/C			
4-D.b-1-1-1	a) AC-5 cooling capacity 5.6 kW	no.	1.00	
4-D.b-1-1-2	b) AC-6 cooling capacity 7.1 kW	no.	1.00	
4-D.b-1-1-3	c) ACS-1 cooling capacity 4.5 kW	no.	1.00	
4-D.b-1-2	Drain pipe			
4-D.b-1-2-1	a) 25 mm Dia.	l.m.	22.00	
4-D.b-1-2-2	b) 40 mm Dia.	l.m.	9.00	
4-D.b-1-2-3	c) 50 mm Dia.	l.m.	4.00	
4-D.b-1-3	Refrigerent copper pipe			
4-D.b-1-3-1	a) 15.9mm Dia.	l.m.	15.00	
4-D.b-1-3-2	b) 9.5mm Dia.	l.m.	15.00	
4-D.b-1-3-3	c) 12.7mm Dia.	l.m.	15.00	
4-D.b-1-3-4	d) 6.4mm Dia.	l.m.	15.00	
4-D.b-1-4	Insulation materials			
4-D.b-1-4-1	a) For refrigerent pipe			
4-D.b-1-4-1-1	i) A type (indoor)	l.m.	14.00	
4-D.b-1-4-1-2	ii) A type (outdoor)	l.m.	1.00	
4-D.b-1-4-1-3	iii) B type (indoor)	l.m.	13.00	
4-D.b-1-4-1-4	iv) B type (outdoor)	l.m.	3.00	
4-D.b-1-4-2	b) For drain pipe			
4-D.b-1-4-2-1	i) 25 mm Dia.	l.m.	22.00	
4-D.b-1-4-2-2	ii) 40 mm Dia.	l.m.	9.00	
4-D.b-1-4-2-3	iii) 50 mm Dia.	l.m.	4.00	
4-D.b-1-5	Flexible joint rubber material			
	50mm dia.	no.	1.00	
4-D.b-1-6	Ventilation fan			
4-D.b-1-6-1	a) Ceiling fan			
	V-1 (150Φ x 170m ³ /h x 50Pa) + VC150Φ	no.	3.00	
4-D.b-1-6-2	b) Wall mounted fan			
4-D.b-1-6-2-1	V-9 (300Φ x 1000m ³ /h x 50Pa) + weather cover	no.	10.00	
4-D.b-1-6-2-2	V-10 (400Φ x 2000m ³ /h x 50Pa) + weather cover	no.	2.00	
4-D.b-1-6-2-3	V-5 (250Φ x 300m ³ /h x 30Pa) + weather cover	no.	1.00	
4-D.b-1-6-2-4	V-7 (250Φ x 600m ³ /h x 30Pa) + weather cover	no.	1.00	

References and Comments :

Drawings No.

Prepared		No. of Pages	Checked		Reviewed	
by	Date		by	Date	by	Date
Dang Manh Cuong	15-Sep-05	1	N. Yaegashi	15-Sep-05	N. Nagao	2005/9/15

QUANTITY CALCULATION COVER SHEET

Project	Detailed Design Study of Cai Mep-Thi Vai International Terminals	
Package	Package 1 : Cai Mep International Container Terminal	
Division	Division 4	Building Works
Sub-Section	PAC1 - 4 - D	Amenity Block

Item of Work	PAC1 - 4 - D.b	Mechanical Works
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Summary of Quantities

ITEM NO.	DESCRIPTION	Unit	Quantity	Remarks
4-D.b-1-6-3	c) Sirocco fan (straight type) F-1 (200Φ x 1200m3/h x 100Pa) + VC300Φ	no.	7.00	
4-D.b-1-6-4	d) Sirocco fan (ground type) EF-1 (#2 x 3200m3/h x 250Pa) + accessories: conc. Foundation	no.	1.00	
4-D.b-1-6-5	e) Circulation fan 900Φ x 170 m3/h + accessories	no.	11.00	
4-D.b-1-7	Ventilate duct			
4-D.b-1-7-1	a) 150Φ	l.m.	24.00	
4-D.b-1-7-2	b) 300Φ	l.m.	53.00	
4-D.b-1-7-3	c) 0.8 mm (thickness) ㄥ	m2	16.00	
4-D.b-1-8	Control cables	l.m.	30.00	
4-D.b-1-9	Natural ventilation set			
4-D.b-1-9-1	Inlet VC 300mm dia.	no.	2.00	
4-D.b-1-9-2	Inlet VC 200mm dia.	no.	4.00	
4-D.b-1-9-3	Inlet VC 150mm dia.	no.	3.00	
4-D.b-1-9-4	Exhaust grill HS 650x300 with champer 750x400x400H	no.	3.00	
4-D.b-1-9-5	Exhaust grill HS 600x3200 with champer 550x550x450H	no.	2.00	
4-D.b-1-9-6	Exhaust grill HS 450x450 with champer 550x550x450H	no.	2.00	
4-D.b-1-9-7	Inlet louver HS 1300x900 with champer & filter	no.	1.00	
4-D.b-1-9-8	Volume damper VD 300Φ	no.	7.00	
4-D.b-1-9-9	Exhaust hood 2650x950x1100H ,SUS 304 1.2mm, with oil fume seperater, oil cup	set	1.00	
4-D.b-1-9-10	Chamber 1400x600x600	set	1.00	
4-D.b- 2	Plumbing works Supply, lay and joint or fix following as shown on the drawing and as specified			
4-D.b- 2- 1	Plumbing fixtures			
4-D.b- 2- 1-1	Water closet (CS430 TC290), low tank (SS431BABL)	no.	15.00	
4-D.b- 2- 1-2	Paper holder (TS116R)	no.	15.00	
4-D.b- 2- 1-3	Wall hung Urinal (UFH557)	no.	10.00	
4-D.b- 2- 1-4	Partition plate (A100)	no.	8.00	
4-D.b- 2- 1-5	Counter mounted lavatory (L517)	no.	22.00	
4-D.b- 2- 1-6	Liquid soap holder (TS125R)	no.	22.00	
4-D.b- 2- 1-7	Mirror (TS119ASR5)	no.	22.00	
4-D.b- 2- 1-8	Slop sink (SK22 AE20)	no.	5.00	
4-D.b- 2- 1-9	Swing faucet (T130R13)	no.	21.00	
4-D.b- 2- 1-10	Hand shower (TBH19C1 TBH9)	no.	19.00	
4-D.b- 2- 1-11	Water heater 4.5kW	no.	5.00	

References and Comments :

Drawings No.

Prepared		No. of Pages	Checked		Reviewed	
by	Date		by	Date	by	Date
Dang Manh Cuong	15-Sep-05	2	N. Yaegashi	15-Sep-05	N. Nagao	2005/9/15

QUANTITY CALCULATION COVER SHEET

Project	Detailed Design Study of Cai Mep-Thi Vai International Terminals	
Package	Package 1 : Cai Mep International Container Terminal	
Division	Division 4	Building Works
Sub-Section	PAC1 - 4 - D	Amenity Block

Item of Work	PAC1 - 4 - D.b	Mechanical Works
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Summary of Quantities

ITEM NO.	DESCRIPTION	Unit	Quantity	Remarks
4-D.b- 2- 2	Sewage and drainage			
4-D.b- 2- 2-1	Sewage pump (Submerged type) 50 Φ x100l/min x 8m , with accessories	set	1.00	
4-D.b- 2- 2-2	pipe 100 Φ	l.m.	196.00	
4-D.b- 2- 2-3	pipe 80 Φ	l.m.	28.00	
4-D.b- 2- 2-4	pipe 75 Φ	l.m.	23.00	
4-D.b- 2- 2-5	pipe 65 Φ	l.m.	37.00	
4-D.b- 2- 2-6	pipe 50 Φ	l.m.	99.00	
4-D.b- 2- 2-7	pipe 40 Φ	l.m.	60.00	
4-D.b- 2- 2-8	COA 100	no.	12.00	
4-D.b- 2- 2-9	COA 80	no.	2.00	
4-D.b- 2- 2-10	COA 65	no.	1.00	
4-D.b- 2- 2-11	COA 50	no.	3.00	
4-D.b- 2- 2-12	T-14B 50	no.	5.00	
4-D.b- 2- 2-13	T-5B 65	no.	4.00	
4-D.b- 2- 2-14	T-5B 50	no.	10.00	
4-D.b- 2- 2-15	COB 100	no.	8.00	
4-D.b- 2- 2-16	COB 65	no.	3.00	
4-D.b- 2- 2-17	COB 50	no.	2.00	
4-D.b- 2- 3	Ventilation			
4-D.b- 2- 3-1	VC 100	no.	3.00	
4-D.b- 2- 3-2	VC 80	no.	1.00	
4-D.b- 2- 3-3	VC 50	no.	1.00	
4-D.b- 2- 3-4	Pipe 100 Φ	l.m.	29.00	
4-D.b- 2- 3-5	Pipe 65 Φ	l.m.	15.00	
4-D.b- 2- 3-6	Pipe 50 Φ	l.m.	62.00	
4-D.b- 2- 4	Water supply			
4-D.b- 2- 4-1	Elevated water Tank 3m3 (include accessories)	no.	1.00	
4-D.b- 2- 4-2	pipe 65 Φ	l.m.	21.00	
4-D.b- 2- 4-3	pipe 40 Φ	l.m.	90.00	
4-D.b- 2- 4-4	pipe 25 Φ	l.m.	57.00	
4-D.b- 2- 4-5	pipe 20 Φ	l.m.	290.00	
4-D.b- 2- 4-6	FJ 40	no.	1.00	
4-D.b- 2- 4-7	GV80	no.	1.00	
4-D.b- 2- 4-8	GV40	no.	7.00	
4-D.b- 2- 4-9	GV25	no.	1.00	
4-D.b- 2- 4-10	GV20	no.	2.00	
4-D.b- 2- 4-11	BT40	no.	1.00	
4-D.b- 2- 4-12	BT25	no.	1.00	
4-D.b- 2- 5	Gas systems			
4-D.b- 2- 5-1	Gas pipe 20 Φ	l.m.	35.00	
4-D.b- 2- 5-2	Gas cock 9.5mm	no.	5.00	

References and Comments :

Drawings No.

Prepared		No. of Pages	Checked		Reviewed	
by	Date		by	Date	by	Date
Dang Manh Cuong	15-Sep-05	3	N. Yaegashi	15-Sep-05	N. Nagao	2005/9/15

QUANTITY CALCULATION COVER SHEET

Package	Package 1 : Cai Mep International Container Terminal	Prepared by	Dang Manh Cuong
Division / Item	Division 4 : Building Works / D	Checked by	N. Yaegashi
Item of Work	Amenity Block	Date	15-Sep-05

ITEM NO.	DESCRIPTION	Unit				
4-D.b	Mechanical Works					
4-D.b-1	Air conditioning and ventilation works					
	Supply, lay and joint or fix following					
	as shown on the drawing					
	and as specified					
4-D.b-1-1	Air cooled packaged A/C					
4-D.b-1-1-1	a) AC-5 cooling capacity 5.6 kW	no.	1.00	1.0		
4-D.b-1-1-2	b) AC-6 cooling capacity 7.1 kW	no.	1.00	1.0		
4-D.b-1-1-3	c) ACS-1 cooling capacity 4.5 kW	no.	1.00	1.0		
4-D.b-1-2	Drain pipe					
4-D.b-1-2-1	a) 25 mm Dia.	l.m.	21.80	21.8		
4-D.b-1-2-2	b) 40 mm Dia.	l.m.	9.00	9.0		
4-D.b-1-2-3	c) 50 mm Dia.	l.m.	3.50	3.5		
4-D.b-1-3	Refrigerent copper pipe					
4-D.b-1-3-1	a) 15.9mm Dia.	l.m.	14.50	14.5		
4-D.b-1-3-2	b) 9.5mm Dia.	l.m.	14.50	14.5		
4-D.b-1-3-3	c) 12.7mm Dia.	l.m.	15.30	15.3		
4-D.b-1-3-4	d) 6.4mm Dia.	l.m.	15.30	15.3		
4-D.b-1-4	Insulation materials					
4-D.b-1-4-1	a) For refrigerent pipe					
4-D.b-1-4-1-1	i) A type (indoor)	l.m.	13.50	13.5		
4-D.b-1-4-1-2	ii) A type (outdoor)	l.m.	1.00	1.0		
4-D.b-1-4-1-3	iii) B type (indoor)	l.m.	12.80	12.8		
4-D.b-1-4-1-4	iv) B type (outdoor)	l.m.	2.50	2.5		
4-D.b-1-4-2	b) For drain pipe					
4-D.b-1-4-2-1	i) 25 mm Dia.	l.m.	21.80	21.8		
4-D.b-1-4-2-2	ii) 40 mm Dia.	l.m.	9.00	9.0		
4-D.b-1-4-2-3	iii) 50 mm Dia.	l.m.	3.50	3.5		
4-D.b-1-5	Flexible joint rubber material					
	50mm dia.	no.	1.00	1.0		
4-D.b-1-6	Ventilation fan					
4-D.b-1-6-1	a) Ceiling fan					
	V-1 (150Φ x 170m ³ /h x 50Pa) + VC150Φ	no.	3.00	3.0		
4-D.b-1-6-2	b) Wall mounted fan					
4-D.b-1-6-2-1	V-9 (300Φ x 1000m ³ /h x 50Pa) + weather cover	no.	10.00	10.0		
4-D.b-1-6-2-2	V-10 (400Φ x 2000m ³ /h x 50Pa) + weather cover	no.	2.00	2.0		
4-D.b-1-6-2-3	V-5 (250Φ x 300m ³ /h x 30Pa) + weather cover	no.	1.00	1.0		
4-D.b-1-6-2-4	V-7 (250Φ x 600m ³ /h x 30Pa) + weather cover	no.	1.00	1.0		
4-D.b-1-6-3	c) Sirocco fan (straight type)					
	F-1 (200Φ x 1200m ³ /h x 100Pa) + VC300Φ	no.	7.00	7.0		
4-D.b-1-6-4	d) Sirocco fan (ground type)					
	EF-1 (#2 x 3200m ³ /h x 250Pa) + accessories: conc. Foundation	no.	1.00	1.0		
4-D.b-1-6-5	e) Circulation fan					
	900Φ x 170 m ³ /h + accessories	no.	11.00	11.0		
4-D.b-1-7	Ventilate duct					
4-D.b-1-7-1	a) 150Φ	l.m.	23.80	23.8		
4-D.b-1-7-2	b) 300Φ	l.m.	52.50	52.5		
4-D.b-1-7-3	c) 0.8 mm (thickness) \bar{c}	m ²	15.50	15.5		
4-D.b-1-8	Control cables	l.m.	29.80	29.8		
4-D.b-1-9	Natural ventilation set					
4-D.b-1-9-1	Inlet VC 300mm dia.	no.	2.00	2.0		
4-D.b-1-9-2	Inlet VC 200mm dia.	no.	4.00	4.0		
4-D.b-1-9-3	Inlet VC 150mm dia.	no.	3.00	3.0		
4-D.b-1-9-4	Exhaust grill HS 650x300 with champer 750x400x400H	no.	3.00	3.0		
4-D.b-1-9-5	Exhaust grill HS 600x3200 with champer 550x550x450H	no.	2.00	2.0		
4-D.b-1-9-6	Exhaust grill HS 450x450 with champer 550x550x450H	no.	2.00	2.0		
4-D.b-1-9-7	Inlet louver HS 1300x900 with champer & filter	no.	1.00	1.0		
4-D.b-1-9-8	Volume damper VD 300Φ	no.	7.00	7.0		
4-D.b-1-9-9	Exhaust hood 2650x950x1100H ,SUS 304 1.2mm, with oil fume seperater, oil cup	set	1.00	1.0		
4-D.b-1-9-10	Chamber 1400x600x600	set	1.00	1.0		

QUANTITY CALCULATION COVER SHEET

Package	Package 1 : Cai Mep International Container Terminal	Prepared by	Dang Manh Cuong				
Division / Item	Division 4 : Building Works / D	Checked by	N. Yaegashi				
Item of Work	Amenity Block	Date	15-Sep-05				
ITEM NO.	DESCRIPTION	Unit					
4-D.b-2	Plumbing works						
	Supply, lay and joint or fix following						
	as shown on the drawing						
	and as specified						
4-D.b-2-1	Plumbing fixtures						
4-D.b-2-1-1	Water closet (CS430 TC290), low tank (SS431BABL)	no.	15.00	15.0			
4-D.b-2-1-2	Paper holder (TS116R)	no.	15.00	15.0			
4-D.b-2-1-3	Wall hung Urinal (UFH557)	no.	10.00	10.0			
4-D.b-2-1-4	Partition plate (A100)	no.	8.00	8.0			
4-D.b-2-1-5	Counter mounted lavatory (L517)	no.	22.00	22.0			
4-D.b-2-1-6	Liquid soap holder (TS125R)	no.	22.00	22.0			
4-D.b-2-1-7	Mirror (TS119ASR5)	no.	22.00	22.0			
4-D.b-2-1-8	Slop sink (SK22 AE20)	no.	5.00	5.0			
4-D.b-2-1-9	Swing faucet (T130R13)	no.	21.00	21.0			
4-D.b-2-1-10	Hand shower (TBH19C1 TBH9)	no.	19.00	19.0			
4-D.b-2-1-11	Water heater 4.5kW	no.	5.00	5.0			
4-D.b-2-2	Sewage and drainage						
4-D.b-2-2-1	Sewage pump (Submerged type) 50 Φ x100l/min x 8m, with accessories	set	1.00	1.0			
4-D.b-2-2-2	pipe 100 Φ	l.m.	195.70	195.7			
4-D.b-2-2-3	pipe 80 Φ	l.m.	28.40	28.4			
4-D.b-2-2-4	pipe 75 Φ	l.m.	22.90	22.9			
4-D.b-2-2-5	pipe 65 Φ	l.m.	36.70	36.7			
4-D.b-2-2-6	pipe 50 Φ	l.m.	98.80	98.8			
4-D.b-2-2-7	pipe 40 Φ	l.m.	59.90	59.9			
4-D.b-2-2-8	COA 100	no.	12.00	12.0			
4-D.b-2-2-9	COA 80	no.	2.00	2.0			
4-D.b-2-2-10	COA 65	no.	1.00	1.0			
4-D.b-2-2-11	COA 50	no.	3.00	3.0			
4-D.b-2-2-12	T-14B 50	no.	5.00	5.0			
4-D.b-2-2-13	T-5B 65	no.	4.00	4.0			
4-D.b-2-2-14	T-5B 50	no.	10.00	10.0			
4-D.b-2-2-15	COB 100	no.	8.00	8.0			
4-D.b-2-2-16	COB 65	no.	3.00	3.0			
4-D.b-2-2-17	COB 50	no.	2.00	2.0			
4-D.b-2-3	Ventilation						
4-D.b-2-3-1	VC 100	no.	3.00	3.0			
4-D.b-2-3-2	VC 80	no.	1.00	1.0			
4-D.b-2-3-3	VC 50	no.	1.00	1.0			
4-D.b-2-3-4	Pipe 100 Φ	l.m.	28.50	28.5			
4-D.b-2-3-5	Pipe 65 Φ	l.m.	15.00	15.0			
4-D.b-2-3-6	Pipe 50 Φ	l.m.	61.90	61.9			
4-D.b-2-4	Water supply						
4-D.b-2-4-1	Elevated water Tank 3m3 (include accessories)	no.	1.00	1.0			
4-D.b-2-4-2	pipe 65 Φ	l.m.	20.70	20.7			
4-D.b-2-4-3	pipe 40 Φ	l.m.	90.40	90.4			
4-D.b-2-4-4	pipe 25 Φ	l.m.	57.40	57.4			
4-D.b-2-4-5	pipe 20 Φ	l.m.	290.40	290.4			
4-D.b-2-4-6	FJ 40	no.	1.00	1.0			
4-D.b-2-4-7	GV80	no.	1.00	1.0			
4-D.b-2-4-8	GV40	no.	7.00	7.0			
4-D.b-2-4-9	GV25	no.	1.00	1.0			
4-D.b-2-4-10	GV20	no.	2.00	2.0			
4-D.b-2-4-11	BT40	no.	1.00	1.0			
4-D.b-2-4-12	BT25	no.	1.00	1.0			
4-D.b-2-5	Gas systems						
4-D.b-2-5-1	Gas pipe 20 Φ	l.m.	35.10	35.1			
4-D.b-2-5-2	Gas cock 9.5mm	no.	5.00	5.0			

JICA DD Study Team assigned to JPC, PCI & IDS

Package	Package 1 : Cai Mep International Container Terminal	Prepared by	D.M. Cuong
Division / Item	Division 4 : Building Works / D	Checked by	N. Yaegashi
Item of Work	Amenity Block	Date	15-Sep-05

DESCRIPTION	LOCAL	LENGTH (QUANTITY)										SUM	TOTAL	
		Ground		height		first floor		height		roof				height
A (gas, liquid)	1					7.5	3	3		1			14.5	14.5
A (drain 25Ø)	1					3.2	7.3						10.5	10.5
B (gas, liquid)	1	0.4	3	0.6		3.7	2.1	3	2.5				15.3	15.3
B (drain 25Ø)	1	4.5				2.8	4						11.3	11.3
Drain 40Ø	4 , 3				9								9	9
300 Ø		25.5	10			17							52.5	52.5
150Ø	kitchen	9.8				4.5							14.3	23.8
	toilet M					9.5							9.5	
Drain 50Ø	1	3.5											3.5	3.5
FJ 50		1											1	1
Inlet VC200						4							4	4
Inlet VC150						3							3	3

Package	Package 1 : CAI MEP International Container Terminal											Prepared by	D.M. Cuong	
Division / Item	Division 4 : Building Works / D											Checked by	N. Yaegashi	
Item of Work	Amenity block											Date	15-Sep-05	
DESCRIPTION	LOCAL	LENGTH (QUANTITY)											SUM	TOTAL
		pump	Ground			height	1st floor			height	roof			
			floor	toilet W	toilet M		floor	toilet	kitch.		P	PR		
Pipe 100 dia.	1		28.6	7	8	4.5		4.8						52.9
	2		22.5	12.3	5	4.5		5.3						49.6
	3		10.8	7	5.8									23.6
	4		21.3	1.8	12.7									35.8
	5		16.5		5.8									22.3
	6		5.5		6									11.5
														195.7
Pipe 80 drain	1		9.5	1.8		4.5		3.8						19.6
	2		8.8											8.8
														28.4
Pipe 80 supply.	1					4.5	9			4.5		6.2	3	27.2
														27.2
Pipe 65 supply.	1						20.7							20.7
														20.7
Pipe 75 dia.	1			4.5	12			0.9						17.4
	2			4.6				0.9						5.5
														22.9
Pipe 65 (drain)	1		5.5	4.4	4.5			2.1						16.5
	2		6.3					2.1						8.4
	3		4.5					4.3						8.8
	4		2											2
	5		1											1
														36.7
Pipe 65 (vent.)	1			4.3	1.7									6
	2													0
														6

Package	Package 1 : CAI MEP International Container Terminal											Prepared by	D.M. Cuong			
Division / Item	Division 4 : Building Works / D											Checked by	N. Yaegashi			
Item of Work	Amenity block											Date	15-Sep-05			
DESCRIPTION	LOCAL	LENGTH (QUANTITY)											SUM	TOTAL		
		pump	Ground			height	1st floor			height	roof				height	
			floor	toilet W	toilet M		floor	toilet	kitch.		P	PR				
Pipe 50 (drain)	1		5.3	3.7	9	4.5	5.8	1.8	5					35.1	98.8	
	2		2.5	4.3	2			1.8	5.8					16.4		
	3		4.3		1.8			1.8	4					11.9		
	4				18.5					3				21.5		
	5				6.9				5.3					12.2		
	6				1.7									1.7		
Pipe 50 supply							12.5						4.5	17	17	
Pipe 50 (vent.)			13.9	3.5	2.9			3.3					4.5	28.1	52.9	
			9.2	5	5.1			5.5						24.8		
Pipe 40 (supply)	1		20	2.4	1.3	4.5	24	4					6	3	69.7	90.4
	2			5.7	7.7	4.5			2.8						20.7	
Pipe 40 (drain)	1		10.8	9.4	7.2			8.4						35.8	59.9	
	2		6	6.6										12.6		
	3		11.5											11.5		
Pipe 25 dia.	1	30	2	4.2	2.9	4.5		1.9	5.5					51	57.4	
	2	2.2						0.7						2.9		
	3	3.5												3.5		
Pipe 20 dia.	1		4.5	10.9	15.2		4.5	10.6	11.1					56.8	290.4	
	2		19.1	11.4	13.4			9.7	9.1					62.7		
	3		10.3	14.6	19.8			8.7	8.2					61.6		
	4		64.6	12.5	26.4				5.8					109.3		

Package	Package 1 : CAI MEP International Container Terminal											Prepared by	D.M. Cuong		
Division / Item	Division 4 : Building Works / D											Checked by	N. Yaegashi		
Item of Work	Amenity block											Date	15-Sep-05		
DESCRIPTION	LOCAL	LENGTH (QUANTITY)											SUM	TOTAL	
		pump	Ground			height	1st floor			height	roof				height
			floor	toilet W	toilet M		floor	toilet	kitch.		P	PR			
Gas pipe 20dia.	1		4.7				4.7		25.7					35.1	35.1
GC 9.5			1				1		3					5	5
GV25 / BOX	2	1												1	1
FJ 25 x 1000L	2	1												1	1
FJ 40											1			1	1
FJ 65											1			1	1
FJ 80											1			1	1
GV80											1			1	1
GV40			2	1	1			1	1		1			7	7
GV25		1												1	1
GV20			1				1							2	2
BT40											1			1	1
BT25		1												1	1
COA 100			11		1									12	12
COA 80			2											2	2
COA 65			1											1	1
COA 50			3											3	3
T-14B 50			5											5	5
T-5B 65			4											4	4
T-5B 50			1	5	2			1	1					10	10
COB 100				2	4				2					8	8
COB 65				1	1				1					3	3
COB 50				1	1									2	2
VENTILATION															
VC 100							2				1			3	3
VC 80			1											1	1
VC 50											1			1	1

Detailed Design Study of Cai Mep-Thi Vai International Terminals

Cai Mep International Container Terminal

Building Works

4. Building Works

4)Electrcal Works

QUANTITY CALCULATION COVER SHEET

Project	Detailed Design Study of Cai Mep-Thi Vai International Terminals	
Package	Package 1 : Cai Mep International Container Terminal	
Division	Division 4	Building Works
Sub-Section	PAC1 - 4 - D	Amenity Block

Item of Work	PAC1 - 4 - D.c	Electrical Works			
4-D.c-2	Power Wiring system				
4-D.c-2-1	Supply, install and test following power control panel c/w supporting materials.				
	Wall mounted type	no.			
4-D.c-2-1-1	a)PC-AMBC-G-1	no.		1.00	
4-D.c-2-1-2	b)PC-AMBC-G-2	no.		1.00	
4-D.c-2-1-3	c)PC-AMBC-1	no.		1.00	
4-D.c-2-1-4	d)PC-AMBC-R	no.		1.00	
4-D.c-2-2	Supply, install and test following receptacles c/w boxes, supporting and miscellaneous materials.				
	15A 3 Pin and 20A 3Pin, 4 Pin	no.			
4-D.c-2-2-1	a)15A 3 Pin (Floor mounted) Double	no.		2.00	
4-D.c-2-2-2	b)15A 3 Pin (Wall mounted) Single	no.		30.00	
4-D.c-2-2-3	c)15A 3 Pin (Wall mounted) Double	no.		52.00	
4-D.c-2-2-4	d)20A 4 Pin (Wall mounted) Single	no.		2.00	
4-D.c-2-2-5	e)20A 3 Pin Water Proof(Wall mounted) Single	no.		5.00	
4-D.c-2-3	Supply, install and test following cables and wires c/w terminal and miscellaneous materials.				
	PVC/PVC Cables 2.5mmsq-4C and PVC wires 2.5mmsq to 4mmsq	l.m.			
4-D.c-2-3-1	a)PVC/PVC cables 2.5mmsq-4C	l.m.		70.00	
4-D.c-2-3-2	b)PVC Wires 4mmsq	l.m.		2,188.00	
4-D.c-2-3-3	c)PVC Wires 2.5mmsq	l.m.		1,136.00	
4-D.c-2-4	Supply, install and test following plastic conduits c/w joints, junction boxes, accessories, supporting and miscellaneous materials.				
	VE 22mm dia	l.m.		1,154.00	
4-D.c-2-5	Supply, install and test following push button switch.	no.		9.00	
4-D.c-2-6	Supply, install and test following isolator switch with hot dip galvanized metal boxe c/w supporting materials.				
	MCCB 3P50AF20AT	no.		1.00	
4-D.c-3	Lighting system				
4-D.c-3-1	Supply, install and test following distribution switch board c/w supporting materials.				
	Wall mounted Type	no.			
4-D.c-3-1-1	a) LP-AMBC-G	no.		1.00	
4-D.c-3-1-2	b) LP-AMPBC-1	no.		1.00	

References and Comments :

Drawings No.

Prepared		No. of Pages	Checked		Reviewed	
by	Date		by	Date	by	Date
	15-Sep-05	2	N. Yaegshi	15-Sep-05	N. Nagao	2005/9/15

QUANTITY CALCULATION COVER SHEET

Project	Detailed Design Study of Cai Mep-Thi Vai International Terminals	
Package	Package 1 : Cai Mep International Container Terminal	
Division	Division 4	Building Works
Sub-Section	PAC1 - 4 - D	Amenity Block

Item of Work	PAC1 - 4 - D.c	Electrical Works		
4-D.c-3-2	Supply, install and test following lighting fixtures c/w boxes, supporting and miscellaneous materials. type C201-5 to R201RP	no.		
4-D.c-3-2-1	a) type C201	no.	5.00	
4-D.c-3-2-2	b) type C361	no.	4.00	
4-D.c-3-2-3	c) type E201	no.	1.00	
4-D.c-3-2-4	d) type E361	no.	143.00	
4-D.c-3-2-5	e) type E361RP	no.	7.00	
4-D.c-3-2-6	f) type F362	no.	17.00	
4-D.c-3-2-7	g) type F362MP	no.	12.00	
4-D.c-3-2-8	h) type H151	no.	24.00	
4-D.c-3-2-9	i) type J362	no.	3.00	
4-D.c-3-2-10	j) type P201	no.	2.00	
4-D.c-3-2-11	k) type Q181	no.	28.00	
4-D.c-3-2-12	l) type R201RP	no.	3.00	
4-D.c-3-3	Supply, install and test following switches c/w boxes, supporting and miscellaneous materials. 15A 1•Way, 3Way, Switches and Thermal Switch	no.		
4-D.c-3-3-1	a) 15A 1•Way 1•Gang	no.	21.00	
4-D.c-3-3-2	b) 15A 1•Way 1•Gang(water proof)	no.	1.00	
4-D.c-3-3-3	c) 15A 1•Way 2•Gang	no.	18.00	
4-D.c-3-3-4	d) 15A 1•Way 3•Gang	no.	2.00	
4-D.c-3-3-5	e) 15A 3•Way 1•Gang	no.	16.00	
4-D.c-3-3-6	f) 15A 3•Way 1•Gang (water proof)	no.	2.00	
4-D.c-3-3-7	g) 15A 1•Way 1•Gang with Pilot lamp	no.	14.00	
4-D.c-3-3-8	h)15A 3 Pin (Wall mounted) Single	no.	12.00	
4-D.c-3-3-9	i)15A 3 Pin (Wall mounted) Single	no.	1.00	
4-D.c-3-4	Supply, install and test following wires c/w miscellaneous materials. PVC Wires 2.5mmsq to 4mmsq	l.m.		
4-D.c-3-4-1	a)PVC Wire 4mmsq	l.m.	530.00	
4-D.c-3-4-2	b)PVC Wire 2.5mmsq	l.m.	5,076.00	
4-D.c-3-5	Supply, install and test plastic conduits complete with joints, junction boxes, accessories, supporting and miscellaneous materials. VE16mm dia to 22mm dia	l.m.		
4-D.c-3-5-1	a) VE16mm dia	l.m.	1,004.00	
4-D.c-3-5-2	b) VE22mm dia	l.m.	594.00	

References and Comments :

Drawings No.

Prepared		No. of Pages	Checked		Reviewed	
by	Date		by	Date	by	Date
	15-Sep-05	3	N. Yaegshi	15-Sep-05	N. Nagao	2005/9/15

QUANTITY CALCULATION COVER SHEET						
Project		Detailed Design Study of Cai Mep-Thi Vai International Terminals				
Package		Package 1 : Cai Mep International Container Terminal				
Division		Division 4	Building Works			
Sub-Section		PAC1 - 4 - D	Amenity Block			
Item of Work		PAC1 - 4 - D.c	Electrical Works			
4-D.c-4	Telephone System					
4-D.c-4-1	Supply, install and test following telephone sets					
	c/w connector jack , supporting and miscellaneous materials.					
	Desktop type					no.
4-D.c-4-1-1	a) Desktop type (Digital)					no. 2.00
4-D.c-4-1-2	b) Desktop type (Analog)					no. 8.00
4-D.c-4-2	Supply, install and test following					
	telephone terminal board c/w supporting and miscellaneous materials.					
	Wall mounted Type					no.
4-D.c-4-2-1	a) T-AMBC-G Wall mounted type 40Pr					no. 1.00
4-D.c-4-2-2	b) T-AMBC-1 Wall mounted type 20Pr					no. 1.00
4-D.c-4-3	Supply, install and test following					
	telephone cables c/w terminal and miscellaneous materials.					
	TIVF 0.5mm-2C to TKEV 0.5mm-10Pr					l.m.
4-D.c-4-3-1	a) TIVF 0.5mm-2C					l.m. 342.00
4-D.c-4-3-2	b) TKEV 0.5mm-10Pr					l.m. 5.00
4-D.c-4-4	Supply, install and test plastic conduits					
	complete with joints, junction boxes, accessories, supporting and miscellaneous materials.					
	VE16mm dia to 22mm dia					l.m.
4-D.c-4-4-1	a) VE16mm dia					l.m. 178.00
4-D.c-4-4-2	b) VE22mm dia					l.m. 38.00
4-D.c-4-5	Supply, install and test flexible plastic conduits					
	c/w joints, accessories, supporting and miscellaneous materials.					
	FEP 30mm dia					l.m. 39.00
4-D.c-4-6	Supply install and test following telephoe					
	outlets c/w boxes, joints and supporting materials					
	Modular Jack 6P2C (wall and floor mounted type)					no.
4-D.c-4-6-1	a) Modular Jack 6P2C (wall mounted)					no. 8.00
4-D.c-4-6-2	b) Modular Jack 6P2C(floor mounted)					no. 2.00
4-D.c-4-7	Supply and install following concrete handhole with.					
	600mm dia cast iron cover.					
	800*800*1300					no. 1.00
4-D.c-5	Public Address System					
4-D.c-5-1	Supply, install, test and commission					
	following loud speaker and attenuator					
	c/w supporting materials.					
	Ceiling Speaker and attenuator					no.
4-D.c-5-1-1	a) Ceiling Speaker 3W					no. 20.00
4-D.c-5-1-2	b) Ceiling Speaker 3W with Attenuator					no. 5.00
4-D.c-5-1-3	c) Attenuator					no. 13.00
References and Comments :						
Drawings No.						
Prepared		No. of Pages	Checked		Reviewed	
by	Date		by	Date	by	Date
	15-Sep-05	4	N. Yaegshi	15-Sep-05	N. Nagao	2005/9/15

Package		Package 1: Cai Mep International Container Terminal								Prepared by		T. N. Chau		
Division/Item		Division 4: Building Works /D								Checked by		N. Yeagashi		
Item of work		Amenity Block								Date		15-Sep-05		
Qnt=Quantity														
No.	Material	Summary	1		2		3		4		Other		Total	
			Length (Qnt)	Height	Length (Qnt)	Height	Length (Qnt)	Height	Length (Qnt)	Height	Length (Qnt)	Height	Length	Quantity
A	GROUND FLOOR													
I	LP-AMBC-G													
1	Wiring													
	PVC 2.5mm ² x2 E2.5	VE16	157.5	65.8	50.6	40	41.8	25.7						381.5
	PVC 2.5mm ² x2	VE16	10.45	20	17.6	17.2								65.23
	PVC 2.5mm ² x3	VE16	14.3	22.9	7.7	14.3	7.7	11.4						78.32
	PVC 2.5mm ² x4	VE22	29.7	8.58			1.65	2.86						42.79
	PVC 2.5mm ² x5	VE22												0
	PVC 4mm ² x3 E2.5	VE22	1.1	5.72	22	5.72	13.2	5.72						53.46
	PVC 2.5mm ² x3 E2.5	VE22	23.65	5.72	7.15		3.85	2.86						43.23
	PVC 2.5mm ² x4 E2.5	VE22					11.55	5.72						17.27
	PVC 2.5mm ² x5 E2.5	VE22	52.8	2.86			35.2	2.86						93.72
	CPEV 1.2-1P	VE16												0
	PVC/PVC 25mm ² -31/2CE1	VE42									4.4		4.4	4.4
	(VE42)x1										4.4		4.4	4.4
	(FEP65)x1										12.1	1.76	13.86	13.86
	(FEP150)x1										12.1	1.76	13.86	13.86
2	Lighting fixture													
	E361		46		14		9							69
	J362						2							2
	C361		1											1
	Q181						16							16
	C201		2											2
	H151		13		7									20
	R201RP		1				1							2
	E361RP		4		3									7
	P201		1											1
	F362		2		5									7
	E201				1									1
	F362MP													
3	SWITCH													
	Switch 250V-15A 1 Gang		8		3		4							15
	Switch with pilot lamp 250V-15A 1 G		3		3									6
	Ditto (water proof) 250V-15A 1 Gang		1											1
	Switch 250V-15A 2 Gang		3		5									8
	Switch 250V-15A 3 Gang						1							1
	Switch 250V-15A 4 Gang													0
	Switch 250V-15A 3 way		4				6							10
	Switch (water proof) 250V-15A 3 wa		2											2
	Receptacle 250V-15A 3 pin single		3		3									6
	Receptacle (water proof) 250V-15A 3 pin single													0
	Receptacle 250V-15A 3 pin double													0
	Ceiling fan		3											3
	Control switch for ceiling fan		1											1
	Pull box		3											3
4	Exhaust fan													
			5		3									8
5	Distribution switch board													
											1			1
B	FIRST FLOOR													
I	LP-AMBC-1													
1	Wiring													
	PVC 2.5mm ² x2 E2.5	VE16	39.05		73.7	17.2	83.05	79.9	42.9	11.4	2.75	2.86		352.8
	PVC 2.5mm ² x2	VE16					30.25	33.7						63.91
	PVC 2.5mm ² x3	VE16	2.2	2.86			12.1	20	9.9	11.4				58.52
	PVC 2.5mm ² x4	VE22			55	17.2			17.6	5.72				95.48
	PVC 2.5mm ² x5	VE22												0
	PVC 4mm ² x3 E2.5	VE22	31.9	5.72	18.7	5.72	23.1	11.4	20.9	5.72				123.2
	PVC 2.5mm ² x3 E2.5	VE22	13.2				19.8		11		2.75	2.86		49.61
	PVC 2.5mm ² x4 E2.5	VE22	2.2		6.6									8.8
	PVC 2.5mm ² x5 E2.5	VE22							19.25		31.35	2.86		53.46
	CPEV 1.2-1P	VE16												0
2	Lighting fixture													
	E361		24		31		9		7		2			73
	J362										1			1
	C361						3							3
	Q181								12					12
	C201						3							3

Package		Package 1: Cai Mep International Container Terminal						Prepared by		T. N. Chau				
Division/Item		Division 4: Building Works /D						Checked by		N. Yeagashi				
Item of work		Amenity Block						Date		15-Sep-05				
Qnt=Quantity														
No.	Material	Summary	1		2		3		4		Other		Total	
			Length (Qnt)	Heigh	Length (Qnt)	Heigh	Length (Qnt)	Heigh	Length (Qnt)	Heigh	Length (Qnt)	Heigh	Length	Quantity
	H151						4							4
	R201RP													0
	E361RP													0
	P201						1							1
	F362						6		4					10
	E201													0
	F362MP						12							12
3	SWITCH													
	Switch 250V-15A 1 Gang						5							5
	Switch with pilot lamp 250V-15A 1 Gang			3			5							8
	Ditto (water proof) 250V-15A 1 Gang													0
	Switch 250V-15A 2 Gang		1				7		2					10
	Switch 250V-15A 3 Gang			1										1
	Switch 250V-15A 4 Gang													0
	Switch 250V-15A 3 way								2		3			5
	Switch (water proof) 250V-15A 3 way													0
	Receptacle 250V-15A 3 pin single			3			4							7
	Receptacle (water proof) 250V-15A 3 pin single													0
	Receptacle 250V-15A 3 pin double													0
	Ceiling fan			6					2					8
	Control switch for ceiling fan			3					1					4
	Pull box			6					2					8
4	Exhaust fan			3			4							7
5	Distribution switch board										1			1
C	ROOF FLOOR													
1	Wiring													
	PVC 2.5mm ² x2 E2.5	VE16									3.3			3.3
	PVC 2.5mm ² x2	VE16												0
	PVC 2.5mm ² x3	VE16												0
	PVC 2.5mm ² x4	VE22												0
	PVC 2.5mm ² x5	VE22												0
	PVC 4mm ² x3 E2.5	VE22												0
	PVC 2.5mm ² x3 E2.5	VE22												0
	PVC 2.5mm ² x4 E2.5													0
	PVC 2.5mm ² x5 E2.5	VE22									10.45	2.86		13.31
	CPEV 1.2-1P	VE16												0
2	Lighting fixture													
	E361										1			1
	J362													0
	C361													0
	Q181													0
	C201													0
	H151													0
	R201RP										1			1
	E361RP													0
	P201													0
	F362													0
	E201													0
	F362MP													0
3	SWITCH													
	Switch 250V-15A 1 Gang										1			1
	Switch with pilot lamp 250V-15A 1 Gang													0
	Ditto (water proof) 250V-15A 1 Gang													0
	Switch 250V-15A 2 Gang													0
	Switch 250V-15A 3 Gang													0
	Switch 250V-15A 4 Gang													0
	Switch 250V-15A 3 way										1			1
	Switch (water proof) 250V-15A 3 way													0
	Receptacle 250V-15A 3 pin single													0
	Receptacle (water proof) 250V-15A 3 pin single													0
	Receptacle 250V-15A 3 pin double													0
	Ceiling fan													0
	Control switch for ceiling fan 6 circuit													0
	Pull box													0
4	Exhaust fan													0
5	Distribution switch board													0

Package		Package 1: Cai Mep International Container Terminal						Prepared by		T. N. Chau				
Division/Item		Division 4: Building Works /D						Checked by		N. Yeagashi				
Item of work		Amenity Block						Date		15-Sep-05				
Qnt=Quantity														
No.	Material		1		2		3		4		Other		Total	
	Name	Summary	Length (Qnt)	Height	Length (Qnt)	Height	Length (Qnt)	Height	Length (Qnt)	Height	Length (Qnt)	Height	Length	Quantity
WHOLE BUILDING												Length	Quantity	
1	Wiring													
	PVC 2.5mm ² x2 E2.5	VE16											737.6	
	PVC 2.5mm ² x2	VE16											129.1	
	PVC 2.5mm ² x3	VE16											136.8	
	PVC 2.5mm ² x4	VE22											138.3	
	PVC 2.5mm ² x5	VE22											0	
	PVC 4mm ² x3 E2.5	VE22											176.7	
	PVC 2.5mm ² x3 E2.5	VE22											92.84	
	PVC 2.5mm ² x4 E2.5	VE22											26.07	
	PVC 2.5mm ² x5 E2.5	VE22											160.5	
	CPEV 1.2-1P	VE16											0	
	PVC/PVC 25mm ² -31/2CE1	VE42											4.4	
	(VE42)x1												4.4	
	(FEP65)x1												13.86	
	(FEP150)x1												13.86	
	PVC 2.5mm ²												3882	
	PVC 4mm ²												530	
TOTAL OF	CPEV 1.2-1P												0	
	PVC/PVC 25mm ² -31/2C												4.4	
	E2.5												1194	
	E16												4.4	
	VE16												1004	
	VE22												594.3	
	VE42												4.4	
	FEP65												13.86	
	FEP150												13.86	
2	Lighting fixture													
	E361													143
	J362													3
	C361													4
	Q181													28
	C201													5
	H151													24
	R201RP													3
	E361RP													7
	P201													2
	F362													17
	E201													1
	F362MP													12
3	SWITCH													
	Switch 250V-15A 1 Gang													21
	Switch with pilot lamp 250V-15A 1 Gang													14
	Ditto (water proof) 250V-15A 1 Gang													1
	Switch 250V-15A 2 Gang													18
	Switch 250V-15A 3 Gang													2
	Switch 250V-15A 4 Gang													0
	Switch 250V-15A 3 way													16
	Switch (water proof) 250V-15A 3 way													2
	Receptacle 250V-15A 3 pin single													13
	Receptacle (water proof) 250V-15A 3 pin single													0
	Receptacle 250V-15A 3 pin double													0
	Ceiling fan													11
	Control switch for ceiling fan 6 circuit													5
	Pull box													11
4	Exhaust fan													15
5	Distribution switch board													2

Package	Package 1: Cai Mep International Container Terminal	Prepared by	T. N. Chau
Division/Item	Division 4: Building Works / D	Checked by	N. Yeagashi
Item of work	Amenity Block	Date	15-Sep-05

Gnt=Quantity

No.	Material		Loud speaker & att.		Other		Total	
	Name	Summary	Length (Quantity)	Height	Length (Quantity)	Height	Length	Quantity
A	GROUND FLOOR							
1	<u>Wiring</u>							
	PVC 1.2mm x 2	VE16					0	
	PVC 1.2mm x 3	VE16	169.3	54.34			222.64	
	PVC/PVC 1.2-5Pr (FEP30)x1	VE22				4.4 3.3	4.4 1.78	4.4 5.08
2	<u>Fixture</u>							
	Loud speaker (3W)			9				9
	Loud speaker (3W) with attenuator			3				3
	Attenuator			6				6
3	<u>Terminal board</u>					1		1
B	FIRST FLOOR							
1	<u>Wiring</u>							
	PVC 1.2mm x 2	VE16					0	
	PVC 1.2mm x 3	VE16	204.05	60.08			284.11	
	PVC/PVC 1.2-5Pr (FEP30)x1	VE22					0 0	0 0
2	<u>Fixture</u>							
	Loud speaker (3W)			11				11
	Loud speaker (3W) with attenuator			2				2
	Attenuator			7				7
3	<u>Terminal board</u>					1		1

WHOLE BUILDING							Length	Quantity
1	<u>Wiring</u>							
	PVC 1.2mm x 2	VE16					0	
	PVC 1.2mm x 3	VE16					488.75	
	PVC/PVC 1.2-5Pr (FEP30)x1	VE22					4.4 5.08	4.4 5.08
TOTAL	PVC 1.2mm						1460.25	
OF	PVC/PVC 1.2-5Pr						4.4	
	FEP30						5.08	
	VE16						488.75	
	VE22						4.4	
2	<u>Fixture</u>							
	Loud speaker (3W)							20
	Loud speaker (3W) with attenuator							5
	Attenuator							13
3	<u>Terminal board</u>							2

Package	Package 1: Cai Mep International Container Terminal	Prepared by	T. N. Chau
Division/Item	Division 4: Building Works / D	Checked by	N. Yeagashi
Item of work	Amenity Block	Date	15-Sep-05

Qnt=Quantity

No.	Material		MATV system		Total	
	Name	Summary	Length (Quantity)	Height	Length	Quantity
A	GROUND FLOOR					
1	<u>Wiring</u>					
	Coaxial cable 5C-2V	VE16	11	5.06	16.06	
2	<u>Fixture</u>					
	TV antenna					0
	Wall outlet 3 terminal					0
	Wall outlet tap-off		1			1
	TV distribution box					0
	Splitter 2 way					0
	Splitter 3 way					0
	Booster					0
	Mixer					0
3	<u>Terminal board</u>					0
B	FIRST FLOOR					
1	<u>Wiring</u>					
	Coaxial cable 5C-2V	VE16	80.3		80.3	
2	<u>Fixture</u>					
	TV antenna					0
	Wall outlet 3 terminal		5			0
	Wall outlet tap-off					1
	TV distribution box		1			0
	Splitter 2 way		1			1
	Splitter 3 way					0
	Booster		1			1
	Mixer					0
3	<u>Terminal board</u>					0
C	ROOF FLOOR					
1	<u>Wiring</u>					
	Coaxial cable 5C-2V	VE16		5.5	5.5	
2	<u>Fixture</u>					
	TV antenna (VHF, UHF)		2			2
	Wall outlet 3 terminal					0
	Wall outlet tap-off					0
	TV distribution box					0
	Splitter 2 way					0
	Splitter 3 way					0
	Splitter 4 way					1
	Booster					0
	Mixer		1			1
3	<u>Terminal board</u>					0

WHOLE BUILDING			Length	Quantity
1	<u>Wiring</u>			
	Coaxial cable 5C-2V		101.86	
	VE16		101.86	
2	<u>Fixture</u>			
	TV antenna			2
	Wall outlet 3 terminal			0
	Wall outlet tap-off			2
	TV distribution box			0
	Splitter 2 way			1
	Splitter 3 way			0
	Splitter 4 way			2
	Booster			0
	Mixer			1
3	<u>Terminal board</u>			0

JICA DD Study Team assigned to JPC, PCI & IDS

Package	Package 1: Cai Mep International Container Terminal	Prepared by	T. N. Chau
Division/Item	Division 4: Building Works /D	Checked by	N. Yeagashi
Item of work	Amenity Block	Date	15-Sep-05

Qnt=Quantity

No.	Material		Telephone & Lan		Other		Total	
	Name	Summary	Length (Quantity)	Height	Length (Quantity)	Height	Length	Quantity
A GROUND FLOOR								
1	T-AMBC-0							
1	Wiring							
	TMVF 0.5mm-2C	VE16	26.4	11.44			37.84	
	TMVF 0.5mm-2C x 2	VE16	22	5.72			27.72	
	TMVF 0.5mm-2C x 3	VE16					0	
	TMVF 0.5mm-2C x 4	VE16					0	
	— C —	VE16					0	
	— C —	VE22					0	
	TKEV0.5-10Pr	VE22		4.4			4.4	
	(VE22)x2			4.4			4.4	
	(FEP30)x1		12.1	1.76			13.86	
	(FEP30)x2		12.1	1.76			13.86	
	(FEP30)x3		12.1	1.76			13.86	
2	Fixture							
	Telephone outlet (wall mounted)		3					3
	Telephone outlet (floor mounted)							0
	Telephone set		3					3
	Lan outlet (wall mounted)							0
	Lan outlet (floor mounted)							0
	Pull box							0
	Private branch telephone exchanger (PBX)	with main distr. frame						0
	Hand hole 800x300x1300 (with 600mm dia cast iron cover)					1		1
3	Terminal board							
			1					1
B FIRST FLOOR								
1	T-AMBC-1							
1	Wiring							
	TMVF 0.5mm-2C	VE16	20.9	12.54			33.44	
	TMVF 0.5mm-2C x 2	VE16	36.3	9.13			45.43	
	TMVF 0.5mm-2C x 3	VE16	5.5	3.52			9.02	
	TMVF 0.5mm-2C x 4	VE16	18.7	5.72			24.42	
	— C —	VE22	26.4	6.71			33.11	
	— C —	VE16					0	
	TKEV0.5-10Pr	VE22					0	
	(VE22)x2						0	
	(FEP30)x1						0	
	(FEP30)x2						0	
	(FEP30)x3						0	
2	Fixture							
	Telephone outlet (wall mounted)		5					5
	Telephone outlet (floor mounted)		2					2
	Telephone set		7					7
	Lan outlet (wall mounted)							0
	Lan outlet (floor mounted)		2					2
	Pull box							0
	Private branch telephone exchanger	with main distr. Frame						0
3	Terminal board							
								0

WHOLE BUILDING			Length	Quantity
1	Wiring			
	TMVF 0.5mm-2C	VE16		71.28
	TMVF 0.5mm-2C x 2	VE16		73.15
	TMVF 0.5mm-2C x 3	VE16		9.02
	TMVF 0.5mm-2C x 4	VE16		24.42
	— C —	VE22		33.11
	— C —	VE16		0
	TKEV0.5-10Pr	VE22		4.4
	(VE22)x2			4.4
	(FEP30)x1			13.86
	(FEP30)x2			13.86
	(FEP30)x3			13.86
	TMVF 0.5mm-2C			342.32
	— C —			33.11
TOTAL				
OF	TKEV0.5-10Pr			4.4
	FEP30			83.16
	VE16			177.87
	VE22			37.51
2	Fixture			
	Telephone outlet (wall mounted)			8
	Telephone outlet (floor mounted)			2
	Telephone set			10
	Lan outlet (wall mounted)			0
	Lan outlet (floor mounted)			2
	Pull box			0
	Private branch telephone exchanger	with main distr. Frame		0
	Hand hole 800x300x1300 (with 600mm dia cast iron cover)			1
3	Terminal board			1