PROJECT QUALITY PLAN

CONDOMINIUM AT THOMSON/MOULMEIN ROAD

For

M/S EURO-ASIA REALTY PTE LTD

Copy No.	1

Prepared By: Tay Wen Chung

Authorised By: Andrew Loh

Date: 26 March 2001

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SECTION 1

QUALITY PLAN CONTROL AND DISTRIBUTION

1.1 List of Copy Holders

Copy No.	Copy Holder	Date of Issue
1	1140-PQP File	26 March 2001
2	Tay W C	26 March 2001

1.2 Revision Record

Revision	Date of Issue	Section Reference	Page(s)	Remarks
1/0	6 June 1997	1 to 9	26	1st issue of PQP
2	14 September 2000	1 to 10	28	
3	26 March 2001	1 to 10	28	

SECTION 2

PROJECT INFORMATION

2.1 Project Description

Type of Development	Residential (Freehold)

Size of Development	
Site Area, m²	5,729
Nett Floor Area, m² *	13,902
Gross Floor Area, m²	16,127
Covered Carpark, m²	156
No. of Covered Carpark Lots	136
No. of Apartments/Houses	136
No. of Block/No. of Storeys	1 Block/30 Storeys
No. of Phases	One

*** Excludes Covered Carpark**

2.2 Cost Plans

M&E Services Cost Plan (S$ x 1M)						
Services	EI	ACVI	LEI	FFAI	PSI	SPFI
Estimate	1.560	1.60	0.66	0.40	1.850	0.080
Awarded	1.1652	1.43	0.565	0.322	1.323	0.061

Total Project Construction Cost (S$ x1M)			
	Site Clearance	Piling	Main Contract
Estimate			$36M
Awarded			$25.872

Site Clearance shall include earth work, soil improvement, service diversion and termination.

2.3 Scope of Works

2.3.1 Scope of Consultancy Services

Conceptual/Schematic Design	✓
Detailed Design	✓
Tender Documentation	✓
Tender Evaluation	✓
Contract Supervision	✓
M&E Costing	✓
Submissions to Authority	✓

(✓ *where applicable*)

2.3.2 Scope of M&E Services

ELECTRICAL	✓	AIR CONDITIONING	✓	SPRINKLER		SANITARY	✓	SWIMMING POOL	✓
LIFT	✓	MECHANICAL VENTILATION	✓	FIRE ALARM	✓	COLD WATER	✓	STEAM BOILER	
ESCALATOR		MECHANICAL SMOKE EXTRACT	✓	HOSEREEL		HOT WATER	✓	FUEL STORAGE	
PABX		COMPUTER A/C		WET RISER	✓	TOWN GAS	✓		
SECURITY	✓	BST CARPARK EXH		DRY RISER		LPG GAS			
TELELIFT		HEATING		MEDICAL GAS					
DATA COMM.									
FLUSHFLOOR TRUNKING									

(✓ *where applicable*)

2.3.3 Submission to Relevant Authorities by Others

EJECTOR & DIVERTER		SUMP PUMP	✓	FUEL OIL TANK		LIFT & ESCALATOR		PRESSURE VESSEL		HOISTS		FOAM	

2.4 Work Packages

2.4.1 M&E Services Sub-Contract

SERVICES	TYPE*
Electrical Installation	NSC
Lift & Escalator Installation	NSC
PABX Installation	-
Telelift Installation	-
Security Installation	NSC
Fire Fighting & Alarm Installation	NSC
Air Conditioning & Ventilation Installation	NSC
Plumbing & Sanitary Installation	DSC
Building Automation System	-
Swimming Pool Filtration Plant	NSC

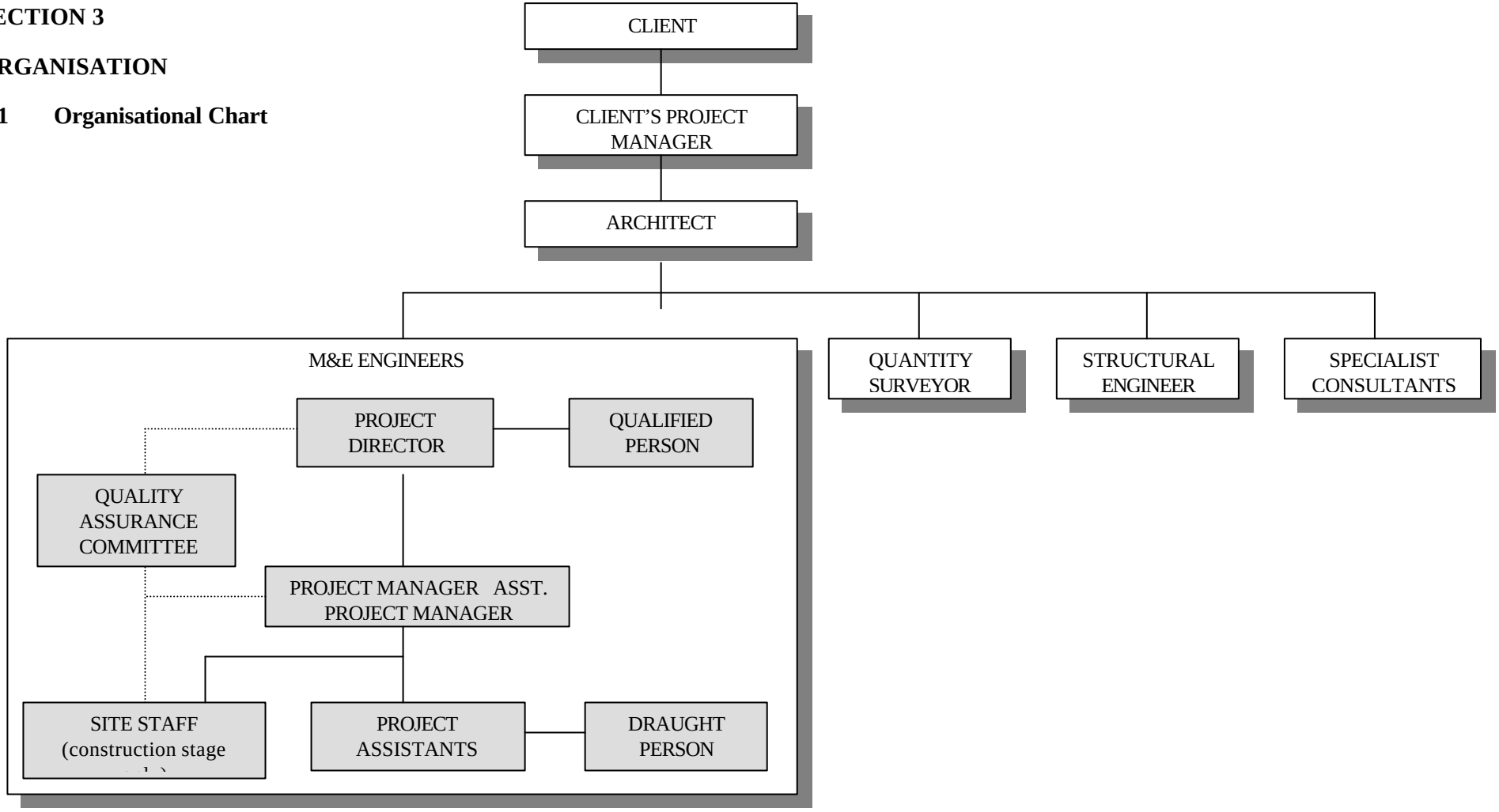
**NSC: Nominated Sub-Contract* **DC: Direct Contract*

*DSC: Domesticated Sub-Contract *NS: Nominated Supplier

SECTION 3

ORGANISATION

3.1 Organisational Chart



SECTION 3

ORGANISATION

3.2 AEC's Project Team Member

TITLE		NAME
Project Director		Andrew Loh (LCT)
Qualified Person	Mechanical	Andrew Loh (LCT)
	Electrical	Tan L S (TLS)
Project Manager		Tay Wen Chung (TWC)
Assistant Project Manager		Lee Kok Sweet (LKS)
Project Assistant (Mech)		Liaw Soon Fen (LSF)
Project Assistant (Elect)		Ho Kam Hong (HKH)
Draughtsperson		Common Pool
Resident Engineer (M&E)		-
Assistant Resident Engineer (M&E)		-
Clerk-of-Work (M&E)		-

3.3 Client/Client's Representatives

Client:- Euro-Asia Realty Pte Ltd

Address:- 15 Hoe Chiang Road
#16-06 Euro-Asia Centre
Singapore 089316

Tel:- 222 2288

Fax:- 226 1288

Client's Representative Related Staff:-

Name of Firm	Contact Person	Contact
Euro-Asia Realty Pte Ltd	Name: Mr Richard Tham Choon Kee Position: Project Manager	Tel: 222 2288 Fax: 226 1288 Pager: - Handphone: - Email: -
	Name: Position:	Tel: Fax: Pager: - Handphone: - Email: -
	Name: Position:	Tel: Fax: Pager: - Handphone: - Email: -
	Name: Position:	Tel: Fax: Pager: - Handphone: - Email: -

3.4 Other Consultants (Local)

Function / Name of Firm	Contact Person and Position	Telephone/ Fax/Pager Nos.
Architect DCA Architects	Adris Isnin - Project Director	Tel: 438 0028 Fax: 438 0029
Quantity Surveyor PK & Associates	Victor Chan - Project Manager	Tel: 223 1365 Fax: 223 0261
Structural Engineer Manusell Consultants (S) Pte Ltd	Dr Yong Wee Loke - Project Manager	Tel : 299 2466 Fax : 299 0297
Interior Designer		
Lighting Consultant		
Acoustic Consultant		
Client's Project Manager		
Other Specialist		

3.5 Contractors/Sub-Contractors

Function / Name of Firm	Contract *	Contact Person	Contact
Main Contractor Kim Seng Heng Engineering Construction (Pte) Ltd	DC	Name: Mr Leo Chin Hwee Position: Project Manager	Tel: 758 2266 Fax: 758 2532 Pager: Handphone: Email:
Air Conditioning & Ventilation Installation Sub-Contractor Micool Engineering Pte Ltd	NSC	Name: Mr Joseph Chia Position: Project Manager	Tel: 356 5055 Fax: 356 1840 Pager: 9212 6587 Handphone: Email: scanpic@singnet.com.sg
Plumbing & Sanitary Installation Sub-Contractor Sin Hong Yong Pte Ltd	DSC	Name: Mr Goh Yok Beng Position:	Tel: 788 4402/783 6112 Fax: 787 3304 Pager: Handphone: Email:
Electrical Installation Sub-Contractor Lee Chuan Electrical Engineering Pte Ltd	NSC	Name: Ms Ng Lu Si Position: Project Engineer	Tel: 356 5055 Fax: 356 1840 Pager: Handphone: Email:
Lift & Escalator Installation Sub-Contractor Ryoden (Singapore) Pte Ltd	NSC	Name: Ms Jess Kok Position: Engineer	Tel: 842 5678 Fax: 748 2292 Pager: Handphone: Email:
Fire Fighting & Alarm Installation Sub-Contractor Fire-Guard Engineering Pte Ltd	NSC	Name: Mr Lim Teck Seng Position: Project Engineer	Tel: 744 2142/742 9160 Fax: 744 2406 Pager: Handphone: Email: fireguard@singnet.com.sg
Swimming Pool Filtration Plant Installation Sub-Contractor Aquatech Products & Services PteLtd	NSC	Name: Mr Lai Heng Tong Position: Project Manager	Tel: 842 1188 Fax: 842 0168 Pager: Handphone: Email: aqpspool@pacific.net.sg
Carpark System Installation Sub-Contractor		Name: Position:	Tel: Fax: Pager: Handphone: Email:

** Type of Contract*
- *NSC (Nominated Sub-Contract)*
- *DSC (Domesticated Sub-Contract)*
- *DC (Direct Contract)*
- *NS (Nominated Supplier)*

3.6 Authorities

Authorities/Department	Contact Person	Tel No:/Fax No:
PowerGrid/Power Supply:		
(a) Customer Supply	Mr Tan Chong Poh	Tel: 831 8551
(b) Sub-Station	Mr Francis Chang See Tong	Tel: 823 8555
(c) Installation		
(d) Meter Section		
(e) Road Lighting		
(f) Diversion	Mr Seah How Puey	Tel: 290 9109
Telecom:		
(a) Planning/Line Plant		
(b) Installation		
(c) Diversion	Mr Lim Kwee Peng	Tel: 838 2825
BCD:		
(a) Building Plan		
FSB:		
(a) Building Plan		
(b) M&E Section	Mr Tan Chiew Sia (Fire System)	Tel: 838 6420
PUB (Water)		
(a) Water Conservation	Mr Wong Meng Kin	Tel: 731 3574
(b) Plumbing Plan	Miss Willy Lim	Tel: 731 3548
(c) Diversion	Mr Kuang Kim Yaw	Tel: 731 3515
PowerGas:		
(a) Planning/Submission	Mr Tan Kah Hock	Tel: 831 8680
(b) Installation/Inspection	Mr Lim Teck Seng	Tel: 831 8693
(c) Diversion	Mr Lim Song Hau	Tel: 733 1668
ENV (Sewerage):		
(a) Building Plan		
(b) M&E Section	Mr David Lim B H	Tel: 731 9629
(c) Diversion	Mr Chua Toke Seng	Tel: 731 9632
ENV (Pollution Control)		
(a) Planning/Submission		
(b) Inspection		

SECTION 4

PROGRAMME

4.1 Overall Programme (Refer to attached Master Programme dated 7 February 2001)

			2001												2002											
ID	TASK NAME	MONTHS	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
1.	Preliminary Planning																									
2.	Planning Submission																									
3.	Detail Design																									
4.	BP Submission																									
5.	BP Submission (Amendments)																									
6.	Tender Period for Piling																									
7.	Tender Period for Sub-Structure																									
8.	Tender Period for Super-Structure																									
9.	Piling Period																									
10.	Sub-Structure Construction Period																									
11.	Super-Structure Construction Period																									
12.	TOP																									
13.	CSC																									

金成興工程私人有限公司
Kim Seng Heng Engineering Construction (Pte) Ltd
39, Senoko Road, Singapore 758111
Tel: 7582266 Facsimile: 7582532 E - mails : kshengrg @ singnet.com.sg

Our Ref: KSH/LCH/C/Y2K04-S/0096/2001

Date: 07 Feb 2001

DCA Architects Pte Ltd
26 Ann Siang Road
Singapore 069706.

Attn: Mr. Adris Isnin

Dear Sir

PROJECT: PROPOSED 30 STOREY CONDOMINIUM DEVELOPMENT AT THOMSON / MOULMEIN ROAD
SUBJECT: REVISED MASTER SCHEDULE

Attached herewith our revised Master Schedule for the above projects.

By cushioning the delay into these revised programme had caused our architectural works to start early then expected.

2 gangs of bricklayers will have to be deployed to carry out these activities so as to catch back the lost time.

It also had impact on our external finishing works for which we anticipate additional work force needs to be deployed to catch back the lost time.

We hope that our revised programme meets your approval and an early confirmation is greatly appreciated.

Yours faithfully
KIM SENG HENG ENGINEERING CONSTRUCTION (PTE) LTD

LEO CHIN HWEE
PROJECT MANAGER

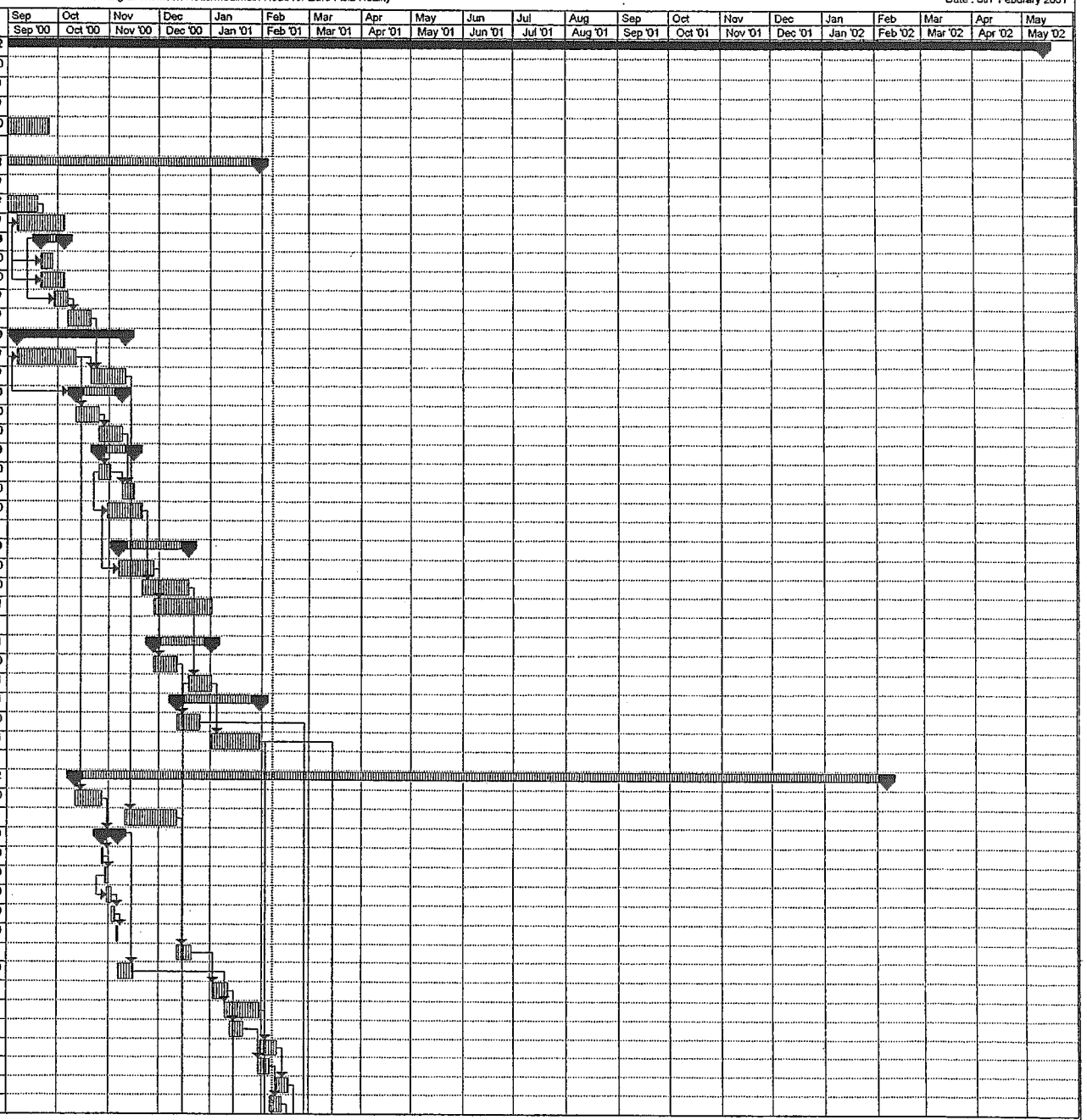
cc:
Euro-Asia Realty	- Mr. Richard Tham
Maunsell Consultants	- Dr. Yong Wee Loke
Alpha Engrg	- Mr Andrew Loh
PK & Associates	- Mr Victor Chan
Resident Engineer	- Mr. Liu H Y

Prepared by Leo Chin Hwee

Proposed Condominium Housing at Thomson Road/Moulmein Road for Euro-Asia Reality

Date : 6th Feburary 2001

ID	Task Name	Duration	Start	Finish
1	**Contract period**	**116.5 wks**	**Sat 01-04-00**	**Mon 13-05-02**
2	Contract commencement	0 wks	Tue 16-05-00	Tue 16-05-00
3	*Piling works*	*10 wks*	*Tue 16-05-00*	*Mon 24-07-00*
4	*Site temp installation*	*3 wks*	*Tue 16-05-00*	*Mon 05-06-00*
5	Erect tower crane	5 wks	Tue 22-08-00	Mon 25-09-00
6				
7	**Substructure**	**30 wks**	**Tue 27-06-00**	**Tue 30-01-01**
8	*Temp sheet piling works*	*4 wks*	*Tue 27-06-00*	*Mon 24-07-00*
9	*Excavation*	*8 wks*	*Tue 25-07-00*	*Mon 18-09-00*
10	*Pilecaps*	*4 wks*	*Thu 07-09-00*	*Wed 04-10-00*
11	**Walls for lift and ejector pit**	**2 wks**	**Thu 21-09-00**	**Wed 04-10-00**
12	Walls for lift pit	1 wk	Thu 21-09-00	Wed 27-09-00
13	Walls for ejector pit, beam /slab	2 wks	Thu 21-09-00	Wed 04-10-00
14	*Waterproofing Works*	*7 days*	*Fri 29-09-00*	*Fri 06-10-00*
15	*Backfill around pits*	*2 wks*	*Sat 07-10-00*	*Fri 20-10-00*
16	**Basement phase 1 slab**	**9.33 wks**	**Thu 07-09-00**	**Fri 10-11-00**
17	*Below Plot A/B (G.L A-G/1-22)*	*5 wks*	*Thu 07-09-00*	*Wed 11-10-00*
18	*Below Plot C (G.L G-T/1-22)*	*3 wks*	*Sat 21-10-00*	*Fri 10-11-00*
19	**Temporary strutting works**	**4 wks**	**Thu 12-10-00**	**Wed 08-11-00**
20	Plot A/B	2 wks	Thu 12-10-00	Wed 25-10-00
21	Plot C	2 wks	Thu 26-10-00	Wed 08-11-00
22	**Excavate phase 1 berm**	**3 wks**	**Thu 26-10-00**	**Wed 15-11-00**
23	Plot A/B	1 wk	Thu 26-10-00	Wed 01-11-00
24	Plot C	1 wk	Thu 09-11-00	Wed 15-11-00
25	Pilecaps at earth berm	3 wks	Tue 31-10-00	Mon 20-11-00
26				
27	**Basement phase 1 beam & slab at earth berm**	**6 wks**	**Tue 07-11-00**	**Mon 18-12-00**
28	Slab at earth berm plot A/B	3 wks	Tue 07-11-00	Mon 27-11-00
29	Slab at earth plot C	4 wks	Tue 21-11-00	Mon 18-12-00
30	Basement wall (Phase 1 only)	5 wks	Tue 28-11-00	Mon 01-01-01
31				
32	**Storey 1 slab at earth berm areas**	**5 wks**	**Tue 28-11-00**	**Mon 01-01-01**
33	Slab below Plot A/B	2 wks	Tue 28-11-00	Mon 11-12-00
34	Slab below Plot C	2 wks	Tue 19-12-00	Mon 01-01-01
35	**Remove Strut and Sheet Pile**	**6 wks**	**Tue 12-12-00**	**Tue 30-01-01**
36	Plot A/B	2 wks	Tue 12-12-00	Mon 25-12-00
37	Plot C	3 wks	Tue 02-01-01	Tue 30-01-01
38				
39	**Superstructure**	**75.17 wks**	**Thu 12-10-00**	**Wed 06-02-02**
40	Storey 1 Type A/b	14 days	Thu 12-10-00	Fri 27-10-00
41	*Storey 1 Type C*	*26 days*	*Sat 11-11-00*	*Mon 11-12-00*
42	**Storey 2 Type A/B**	**1.33 wks**	**Sat 28-10-00**	**Mon 06-11-00**
43	Setting Out	1 day	Sat 28-10-00	Sat 28-10-00
44	Column Rebar	2 days	Mon 30-10-00	Tue 31-10-00
45	Metal Formwork col, beam and slab	3 days	Tue 31-10-00	Thu 02-11-00
46	Beam and slab rebar	2 days	Fri 03-11-00	Sat 04-11-00
47	Inspection and concreting	1 day	Mon 06-11-00	Mon 06-11-00
48	*Storey 2 Type C*	*8 days*	*Tue 12-12-00*	*Wed 20-12-00*
49	Storey 3 Type A/B	8 days	Tue 07-11-00	Wed 15-11-00
50	*Storey 3 Type C*	*8 days*	*Wed 03-01-01*	*Thu 11-01-01*
51	Storey 4 Type A/B	11 days	Wed 10-01-01	Tue 30-01-01
52	Storey 4 Type C	7 days	Sat 13-01-01	Sat 20-01-01
53	Storey 5 Type A/B	10 days	Wed 31-01-01	Fri 09-02-01
54	Storey 5 Type C	7 days	Tue 30-01-01	Mon 05-02-01
55	Storey 6 type A/B	7 days	Sat 10-02-01	Fri 16-02-01
56	Storey 6 Type C	7 days	Tue 06-02-01	Mon 12-02-01



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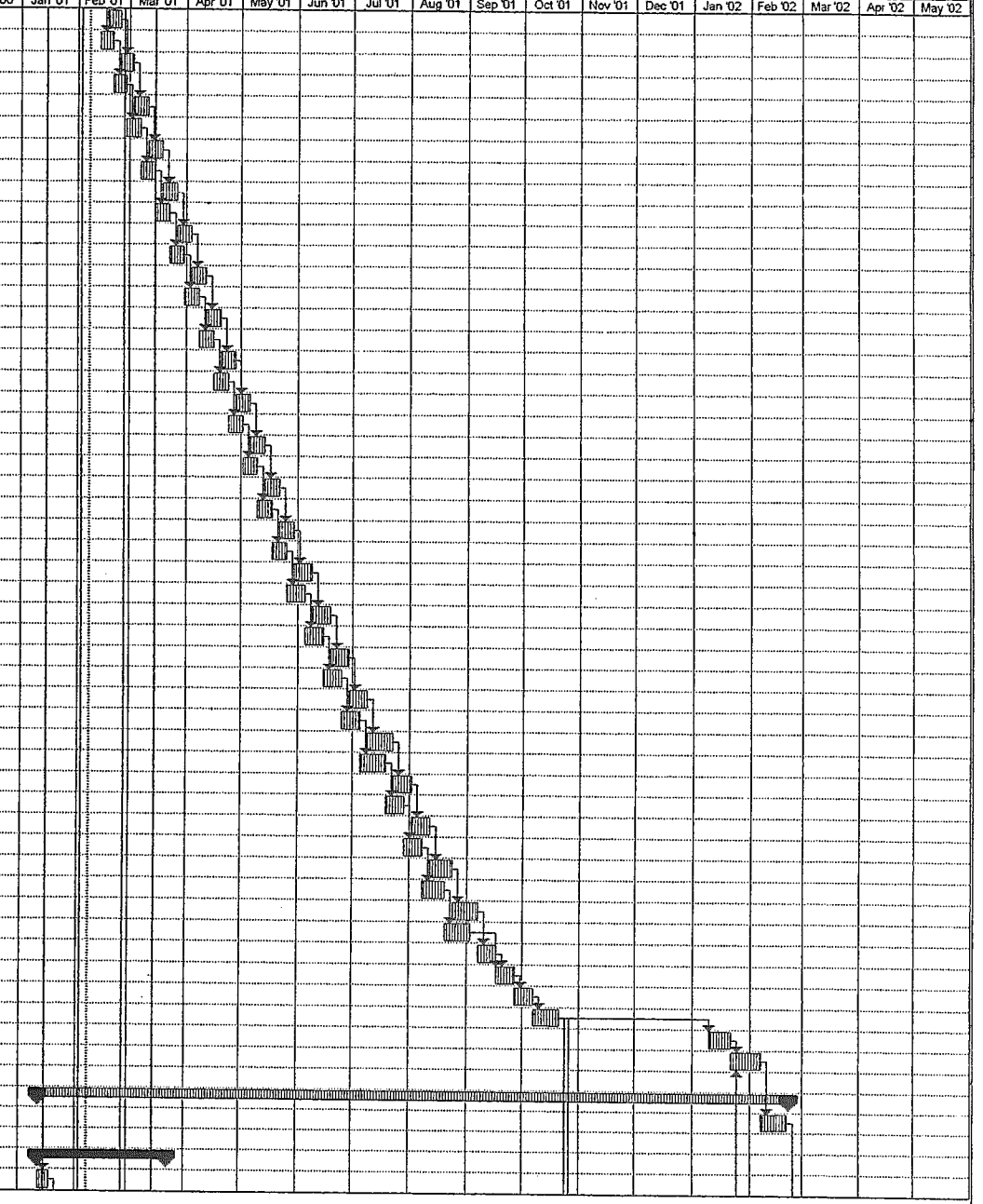
Proposed Condominium Housing at Thomson Road/Moulmein Road for Euro-Asia Reality

Date : 6th Feburary 2001

ID	Task Name	Duration	Start	Finish
57	Storey 7 Type A/B	7 days	Sat 17-02-01	Fri 23-02-01
58	Storey 7 Type C	7 days	Tue 13-02-01	Mon 19-02-01
59	Storey 8 Type A/B	7 days	Sat 24-02-01	Fri 02-03-01
60	Storey 8 Type C	7 days	Tue 20-02-01	Mon 26-02-01
61	Storey 9 typeA/B	8 days	Sat 03-03-01	Sat 10-03-01
62	Storey 9 TypeC	8 days	Tue 27-02-01	Tue 06-03-01
63	Storey 10 Type A/B	8 days	Sun 11-03-01	Sun 18-03-01
64	Storey 10 Type C	8 days	Wed 07-03-01	Wed 14-03-01
65	Storey 11 Type A/B	8 days	Mon 19-03-01	Mon 26-03-01
66	Storey 11Type C	8 days	Thu 15-03-01	Thu 22-03-01
67	Storey 12 Type A/B	8 days	Tue 27-03-01	Tue 03-04-01
68	Storey 12 Type C	8 days	Fri 23-03-01	Fri 30-03-01
69	Storey 13 Type A/B	8 days	Wed 04-04-01	Wed 11-04-01
70	Storey 13 Type C	8 days	Sat 31-03-01	Sat 07-04-01
71	Storey 14 Type A/B	8 days	Thu 12-04-01	Thu 19-04-01
72	Storey 14 Type C	8 days	Sun 08-04-01	Sun 15-04-01
73	Storey 15 Type A/B	8 days	Fri 20-04-01	Fri 27-04-01
74	Storey 15 Type C	8 days	Mon 16-04-01	Mon 23-04-01
75	Storey 16 TypeA/B	8 days	Sat 28-04-01	Sat 05-05-01
76	Storey 16 Type C	8 days	Tue 24-04-01	Tue 01-05-01
77	Storey 17 TypeA/B	8 days	Sun 06-05-01	Sun 13-05-01
78	Storey 17 Type C	8 days	Wed 02-05-01	Wed 09-05-01
79	Storey 18 Type A/B	8 days	Mon 14-05-01	Mon 21-05-01
80	Storey 18 Type C	8 days	Thu 10-05-01	Thu 17-05-01
81	Storey 19 Type A/B	8 days	Tue 22-05-01	Tue 29-05-01
82	Storey 19 Type C	8 days	Fri 18-05-01	Fri 25-05-01
83	Storey 20 TypeA/B	10 days	Wed 30-05-01	Fri 08-06-01
84	Storey 20 Type C	10 days	Sat 26-05-01	Mon 04-06-01
85	Storey 21 Type A/B	10 days	Sat 09-06-01	Mon 18-06-01
86	Storey 21 Type C	10 days	Tue 05-06-01	Thu 14-06-01
87	Storey 22 Type A/B	10 days	Tue 19-06-01	Thu 28-06-01
88	Storey 22 Type C	10 days	Fri 15-06-01	Sun 24-06-01
89	Storey 23 Type A/B	10 days	Fri 29-06-01	Sun 08-07-01
90	Storey 23 Type C	10 days	Mon 25-06-01	Wed 04-07-01
91	Storey 24 Type A/B	14 days	Mon 09-07-01	Sun 22-07-01
92	Storey 24 Type C	14 days	Thu 05-07-01	Wed 18-07-01
93	Storey 25 TypeA/B	10 days	Mon 23-07-01	Wed 01-08-01
94	Storey 25 Type C	10 days	Thu 19-07-01	Sat 28-07-01
95	Storey 26 TypeA/B	10 days	Thu 02-08-01	Sat 11-08-01
96	Storey 26 Type C	10 days	Sun 29-07-01	Tue 07-08-01
97	Storey 27 Type A/B	12 days	Sun 12-08-01	Thu 23-08-01
98	Storey 27 Type C	12 days	Wed 08-08-01	Sun 19-08-01
99	Storey 28 Type A/B	14 days	Fri 24-08-01	Thu 06-09-01
100	Storey 28 Type C	14 days	Mon 20-08-01	Sun 02-09-01
101	Storey 29 Type A/B	10 days	Fri 07-09-01	Sun 16-09-01
102	Storey 29 Type C	10 days	Mon 17-09-01	Wed 26-09-01
103	Storey 30	10 days	Thu 27-09-01	Sat 06-10-01
104	Roof slab	14 days	Sun 07-10-01	Sat 20-10-01
105	Lift motor room	10 days	Thu 10-01-02	Mon 21-01-02
106	Roof structural steel	14 days	Tue 22-01-02	Wed 06-02-02
107				
108	**Architectural works**	**64.17 wks**	**Fri 12-01-01**	**Thu 21-02-02**
109	Mesh covering to str steel	2 wks	Thu 07-02-02	Wed 20-02-02
110				
111	**Show Flat at 1st Storey Type C**	**10 wks**	**Fri 12-01-01**	**Thu 22-03-01**
112	Cleaning and preparation for Brickwork	5 days	Fri 12-01-01	Wed 17-01-01

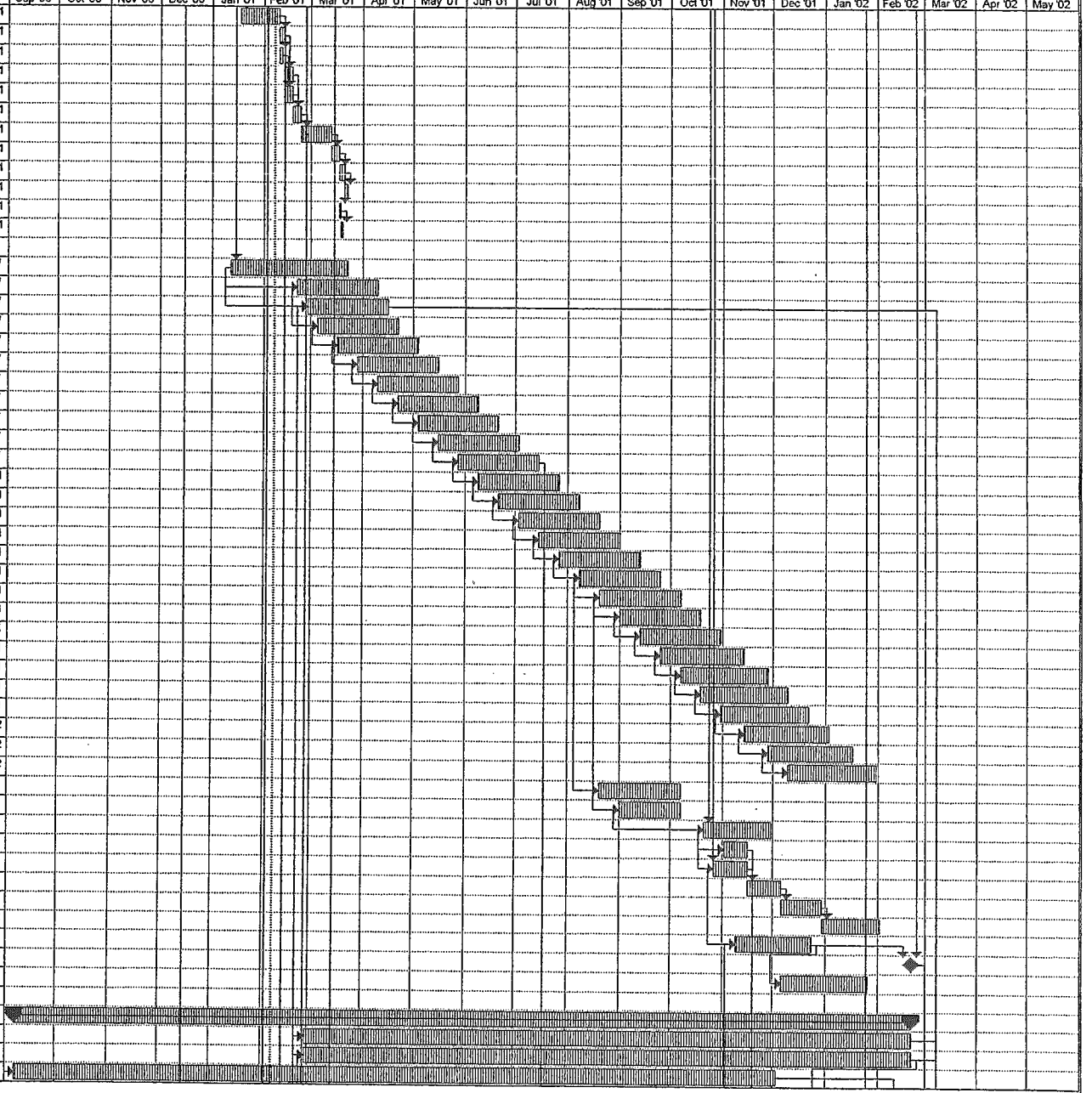


Prepared by Leo Chin Hwee

Proposed Condominium Housing at Thomson Road/Moulmein Road for Euro-Asia Reality

Date : 6th Feburary 2001

ID	Task Name	Duration	Start	Finish
113	Brickworks	14 days	Thu 18-01-01	Fri 09-02-01
114	M + E Items, permanent and Temporary	3 days	Sat 10-02-01	Mon 12-02-01
115	Door/Window Frames	2 days	Sat 10-02-01	Sun 11-02-01
116	Plastering	5 days	Tue 13-02-01	Sat 17-02-01
117	Wall Tiling	5 days	Tue 13-02-01	Sat 17-02-01
118	Floor Finishes	5 days	Sun 18-02-01	Thu 22-02-01
119	Ceiling Work	3 wks	Fri 23-02-01	Mon 12-03-01
120	Joinery Work	5 days	Tue 13-03-01	Sat 17-03-01
121	Painting	3 days	Sun 18-03-01	Tue 20-03-01
122	Glazing Work	2 days	Wed 21-03-01	Thu 22-03-01
123	Sanitary and Electrical items	1 day	Sun 18-03-01	Sun 18-03-01
124	R.I Inspection	1 day	Mon 19-03-01	Mon 19-03-01
125				
126	*Storey 1*	*10 wks*	*Fri 12-01-01*	*Thu 22-03-01*
127	*Storey 2*	*8 wks*	*Wed 21-02-01*	*Mon 09-04-01*
128	*Storey 3*	*8 wks*	*Tue 27-02-01*	*Sun 15-04-01*
129	*Storey 4*	*8 wks*	*Mon 05-03-01*	*Sat 21-04-01*
130	*Storey 5*	*8 wks*	*Sat 17-03-01*	*Thu 03-05-01*
131	*Storey 6*	*8 wks*	*Thu 29-03-01*	*Tue 15-05-01*
132	*Storey 7*	*8 wks*	*Tue 10-04-01*	*Sun 27-05-01*
133	*Storey 8*	*8 wks*	*Sun 22-04-01*	*Fri 08-06-01*
134	*Storey 9*	*8 wks*	*Fri 04-05-01*	*Wed 20-06-01*
135	*Storey 10*	*8 wks*	*Wed 16-05-01*	*Mon 02-07-01*
136	*Storey 11*	*8 wks*	*Mon 28-05-01*	*Sat 14-07-01*
137	Storey 12	8 wks	Sat 09-06-01	Thu 26-07-01
138	Storey 13	8 wks	Thu 21-06-01	Tue 07-08-01
139	Storey 14	8 wks	Tue 03-07-01	Sun 19-08-01
140	Storey 15	8 wks	Sun 15-07-01	Fri 31-08-01
141	Storey 16	8 wks	Fri 27-07-01	Wed 12-09-01
142	Storey 17	8 wks	Wed 08-08-01	Mon 24-09-01
143	Storey 18	8 wks	Mon 20-08-01	Sat 06-10-01
144	Storey 19	8 wks	Sat 01-09-01	Thu 18-10-01
145	Storey 20	8 wks	Thu 13-09-01	Tue 30-10-01
146	Storey 21	8 wks	Tue 25-09-01	Tue 13-11-01
147	Storey 22	8 wks	Sun 07-10-01	Tue 27-11-01
148	Storey 23	8 wks	Fri 19-10-01	Sun 09-12-01
149	Storey 24	8 wks	Wed 31-10-01	Fri 21-12-01
150	Storey 25	8 wks	Wed 14-11-01	Wed 02-01-02
151	Storey 26	8 wks	Wed 28-11-01	Wed 16-01-02
152	Storey 27	8 wks	Mon 10-12-01	Wed 30-01-02
153	Storey 28	8 wks	Mon 20-08-01	Sat 06-10-01
154	Storey 29	6 wks	Sat 01-09-01	Sat 06-10-01
155	Storey 30	6 wks	Sun 21-10-01	Thu 29-11-01
156	Lift motor room	2 wks	Fri 02-11-01	Thu 15-11-01
157	Roof finishes	3 wks	Sat 27-10-01	Thu 15-11-01
158	M +E Roofing Works	3 wks	Fri 16-11-01	Wed 05-12-01
159	Ext façade fin 1 -10sty	4 wks	Thu 06-12-01	Sat 29-12-01
160	Ext façade fin 11 -20sty	5 wks	Sun 30-12-01	Fri 01-02-02
161	Ext facade fin 21 -30sty	7 wks	Fri 09-11-01	Sun 23-12-01
162	*Removal of Tower Crane*	1 day	Thu 21-02-02	Thu 21-02-02
163	External painting works	8 wks	Thu 06-12-01	Fri 25-01-02
164				
165	**M & E Installation works**	**82.17 wks**	**Thu 07-09-00**	**Wed 20-02-02**
166	*ACMV*	*58 wks*	*Tue 27-02-01*	*Wed 20-02-02*
167	*Electrical*	*58 wks*	*Tue 27-02-01*	*Wed 20-02-02*
168	*Plumbing & Sanitary*	*70 wks*	*Thu 07-09-00*	*Sun 02-12-01*

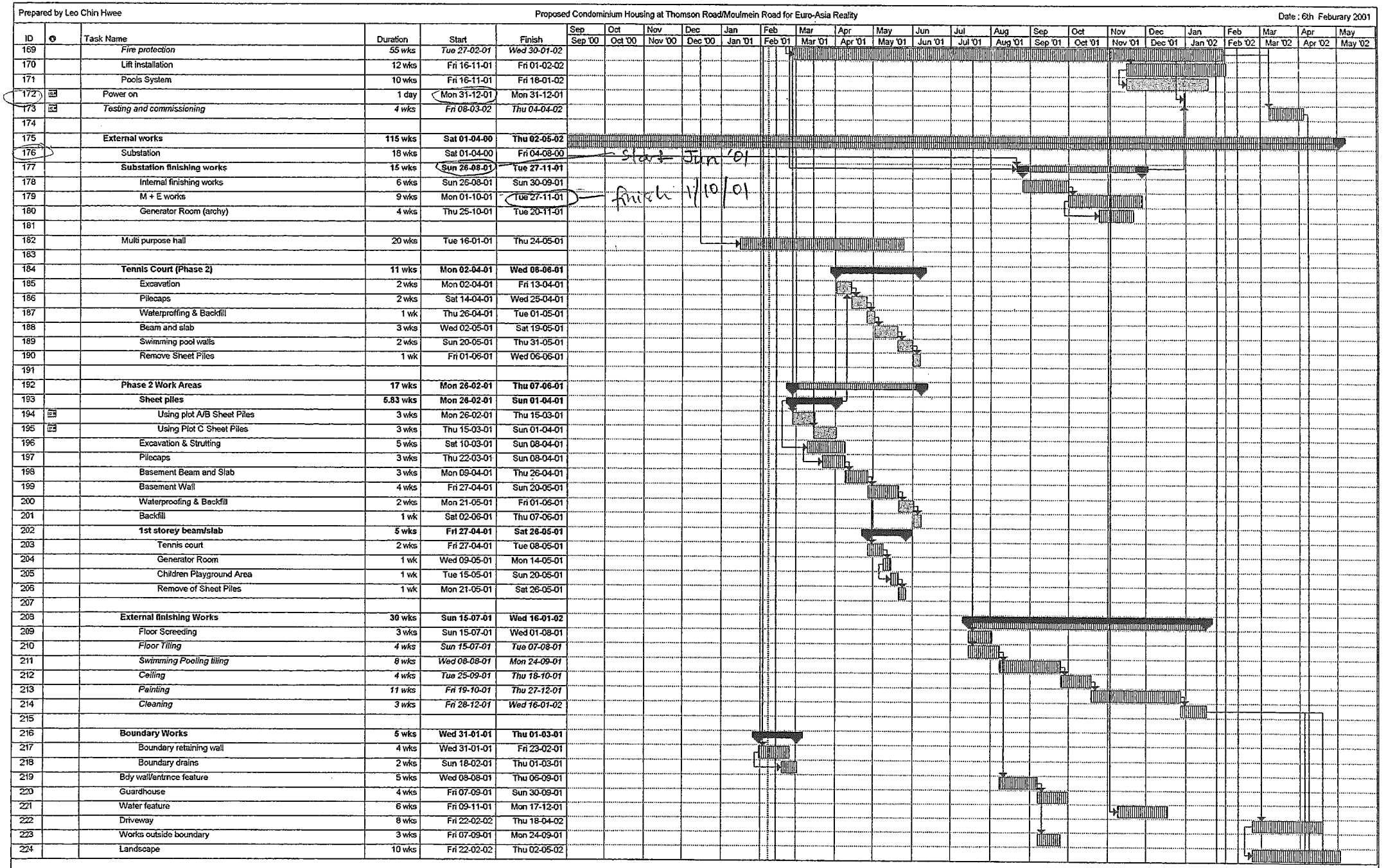


Prepared by Leo Chin Hwee

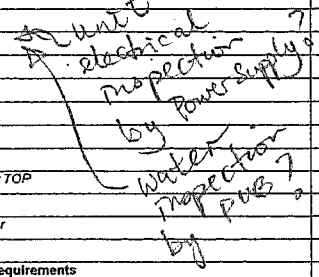
Proposed Condominium Housing at Thomson Road/Moulmein Road for Euro-Asia Reality

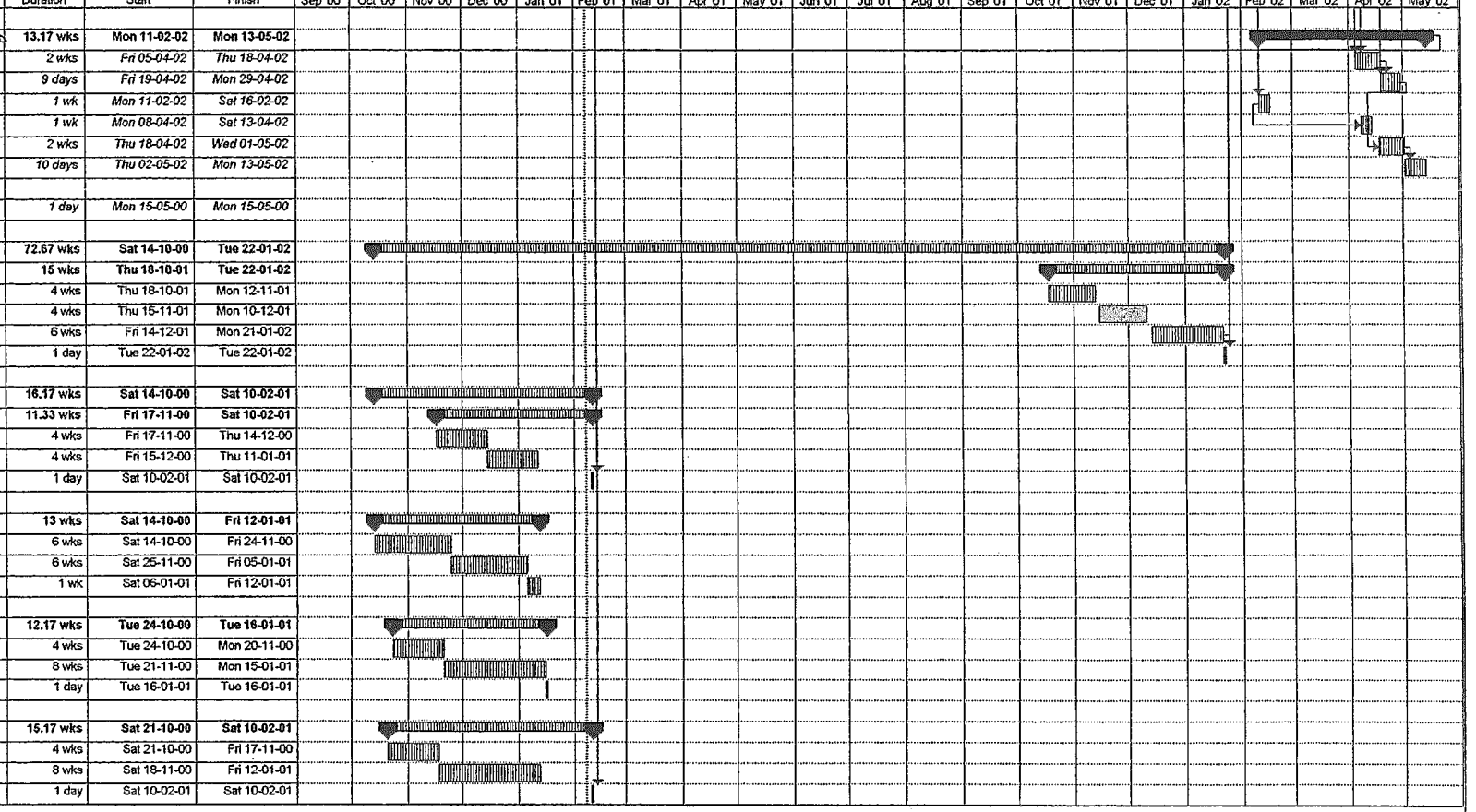
Date : 6th Feburary 2001

ID	Task Name	Duration	Start	Finish
169	*Fire protection*	*55 wks*	*Tue 27-02-01*	*Wed 30-01-02*
170	Lift installation	12 wks	Fri 16-11-01	Fri 01-02-02
171	Pools System	10 wks	Fri 16-11-01	Fri 18-01-02
172	Power on	1 day	Mon 31-12-01	Mon 31-12-01
173	*Testing and commissioning*	*4 wks*	*Fri 08-03-02*	*Thu 04-04-02*
174				
175	**External works**	**115 wks**	**Sat 01-04-00**	**Thu 02-05-02**
176	Substation	18 wks	Sat 01-04-00	Fri 04-08-00
177	**Substation finishing works**	**15 wks**	**Sun 26-08-01**	**Tue 27-11-01**
178	Internal finishing works	6 wks	Sun 26-08-01	Sun 30-09-01
179	M + E works	9 wks	Mon 01-10-01	Tue 27-11-01
180	Generator Room (archy)	4 wks	Thu 25-10-01	Tue 20-11-01
181				
182	Multi purpose hall	20 wks	Tue 16-01-01	Thu 24-05-01
183				
184	**Tennis Court (Phase 2)**	**11 wks**	**Mon 02-04-01**	**Wed 06-06-01**
185	Excavation	2 wks	Mon 02-04-01	Fri 13-04-01
186	Pilecaps	2 wks	Sat 14-04-01	Wed 25-04-01
187	Waterproffing & Backfill	1 wk	Thu 26-04-01	Tue 01-05-01
188	Beam and slab	3 wks	Wed 02-05-01	Sat 19-05-01
189	Swimming pool walls	2 wks	Sun 20-05-01	Thu 31-05-01
190	Remove Sheet Piles	1 wk	Fri 01-06-01	Wed 06-06-01
191				
192	**Phase 2 Work Areas**	**17 wks**	**Mon 26-02-01**	**Thu 07-06-01**
193	**Sheet piles**	**5.83 wks**	**Mon 26-02-01**	**Sun 01-04-01**
194	Using plot A/B Sheet Piles	3 wks	Mon 26-02-01	Thu 15-03-01
195	Using Plot C Sheet Piles	3 wks	Thu 15-03-01	Sun 01-04-01
196	Excavation & Strutting	5 wks	Sat 10-03-01	Sun 08-04-01
197	Pilecaps	3 wks	Thu 22-03-01	Sun 08-04-01
198	Basement Beam and Slab	3 wks	Mon 09-04-01	Thu 26-04-01
199	Basement Wall	4 wks	Fri 27-04-01	Sun 20-05-01
200	Waterproofing & Backfill	2 wks	Mon 21-05-01	Fri 01-06-01
201	Backfill	1 wk	Sat 02-06-01	Thu 07-06-01
202	**1st storey beam/slab**	**5 wks**	**Fri 27-04-01**	**Sat 26-05-01**
203	Tennis court	2 wks	Fri 27-04-01	Tue 08-05-01
204	Generator Room	1 wk	Wed 09-05-01	Mon 14-05-01
205	Children Playground Area	1 wk	Tue 15-05-01	Sun 20-05-01
206	Remove of Sheet Piles	1 wk	Mon 21-05-01	Sat 26-05-01
207				
208	**External finishing Works**	**30 wks**	**Sun 15-07-01**	**Wed 16-01-02**
209	Floor Screeding	3 wks	Sun 15-07-01	Wed 01-08-01
210	*Floor Tiling*	*4 wks*	*Sun 15-07-01*	*Tue 07-08-01*
211	*Swimming Pooling tiling*	*8 wks*	*Wed 08-08-01*	*Mon 24-09-01*
212	*Ceiling*	*4 wks*	*Tue 25-09-01*	*Thu 18-10-01*
213	*Painting*	*11 wks*	*Fri 19-10-01*	*Thu 27-12-01*
214	*Cleaning*	*3 wks*	*Fri 28-12-01*	*Wed 16-01-02*
215				
216	**Boundary Works**	**5 wks**	**Wed 31-01-01**	**Thu 01-03-01**
217	Boundary retaining wall	4 wks	Wed 31-01-01	Fri 23-02-01
218	Boundary drains	2 wks	Sun 18-02-01	Thu 01-03-01
219	Bdy wall/entrnce feature	5 wks	Wed 08-08-01	Thu 06-09-01
220	Guardhouse	4 wks	Fri 07-09-01	Sun 30-09-01
221	Water feature	6 wks	Fri 09-11-01	Mon 17-12-01
222	Driveway	8 wks	Fri 22-02-02	Thu 18-04-02
223	Works outside boundary	3 wks	Fri 07-09-01	Mon 24-09-01
224	Landscape	10 wks	Fri 22-02-02	Thu 02-05-02



ID	Task Name	Duration	Start	Finish
225				
226	**Inspection**	**13.17 wks**	**Mon 11-02-02**	**Mon 13-05-02**
227	*RI M&E*	*2 wks*	*Fri 05-04-02*	*Thu 18-04-02*
228	*RI Arch*	*9 days*	*Fri 19-04-02*	*Mon 29-04-02*
229	*ENV*	*1 wk*	*Mon 11-02-02*	*Sat 16-02-02*
230	*Gas*	*1 wk*	*Mon 08-04-02*	*Sat 13-04-02*
231	*BCA*	*2 wks*	*Thu 18-04-02*	*Wed 01-05-02*
232	*Awaiting for TOP*	*10 days*	*Thu 02-05-02*	*Mon 13-05-02*
233				
234	*Project Handover*	*1 day*	*Mon 15-05-00*	*Mon 15-05-00*
235				
236	**Procurement Requirements**	**72.67 wks**	**Sat 14-10-00**	**Tue 22-01-02**
237	**Structural steel**	**15 wks**	**Thu 18-10-01**	**Tue 22-01-02**
238	Shop drawing	4 wks	Thu 18-10-01	Mon 12-11-01
239	Approval	4 wks	Thu 15-11-01	Mon 10-12-01
240	Fabrication	6 wks	Fri 14-12-01	Mon 21-01-02
241	Requirede on Site	1 day	Tue 22-01-02	Tue 22-01-02
242				
243	**Requirements for show flat**	**16.17 wks**	**Sat 14-10-00**	**Sat 10-02-01**
244	**Window frames**	**11.33 wks**	**Fri 17-11-00**	**Sat 10-02-01**
245	Shop drawings	4 wks	Fri 17-11-00	Thu 14-12-00
246	Fabrication	4 wks	Fri 15-12-00	Thu 11-01-01
247	Required on Site	1 day	Sat 10-02-01	Sat 10-02-01
248				
249	**Door frames/door leaves/ironmonery**	**13 wks**	**Sat 14-10-00**	**Fri 12-01-01**
250	Sample approval and shop drawing submission	6 wks	Sat 14-10-00	Fri 24-11-00
251	Fabrication	6 wks	Sat 25-11-00	Fri 05-01-01
252	Required on site	1 wk	Sat 06-01-01	Fri 12-01-01
253				
254	**Tiling Works**	**12.17 wks**	**Tue 24-10-00**	**Tue 16-01-01**
255	Shop drawing submission	4 wks	Tue 24-10-00	Mon 20-11-00
256	Delivery of tiles	8 wks	Tue 21-11-00	Mon 15-01-01
257	Required on Site	1 day	Tue 16-01-01	Tue 16-01-01
258				
259	**M + E items (fittings,air con)**	**15.17 wks**	**Sat 21-10-00**	**Sat 10-02-01**
260	Material submission/approval	4 wks	Sat 21-10-00	Fri 17-11-00
261	Procurement	8 wks	Sat 18-11-00	Fri 12-01-01
262	Required on site	1 day	Sat 10-02-01	Sat 10-02-01





SECTION 4 - PROGRAMME

4.2 Overall Internal Programme (Refer to M&E Services Tender Schedule dated 17 February 2000)

ID	TASK NAME	WEEKS	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
1.	First Project Meeting																									
2.	Project Quality Plan																									
3.	Conceptual Design																									
4.	Design Review																									
5.	M&E Design Brief																									
6.	Riser Duct/Core Layout																									
7.	Reflected Ceiling Plan																									
8.	Coordinated Services Plan																									
9.	Design Review Meeting																									
10.	Plumbing & Sanitary Installation																									
	Detail Design																									
	Design Review																									
	Draughting																									
	Specification																									
	Design Check																									
	Tender																									
11.	Air Conditioning & Ventilation Installation																									
	Detail Design																									
	Design Review																									
	Draughting																									
	Specification																									
	Design Check																									
	Tender																									
12.	Fire Fighting & Alarm Installation																									
	Detail Design																									
	Design Review																									
	Draughting																									
	Specification																									
	Design Check																									
	Tender																									
13.	Electrical Installation																									
	Detail Design																									
	Design Review																									
	Draughting																									
	Specification																									
	Design Check																									
	Tender																									
14	Lift Installation																									
	Detail Design																									
	Design Review																									
	Draughting																									
	Specification																									
	Design Check																									
	Tender																									

TELEFAX

Alpha Engineering Consultant
2 ALEXANDRA ROAD, #03-03 DELTA HOUSE, SINGAPORE 159919.
TEL: (65) 276 2228 FAX: (65) 276 9929 E-MAIL: aec@alpha.com.sg

Our Ref:	1140-PC/1268	**Date:**	17 February 2000
To:	DCA Architects Pte Ltd		
Attn:	Ms Yeo Eng Choon/Ng Shuh Fang	**Fax No:**	225 4288
From:	Mr. Swee Tong Hua	**Total Pages:**	2

Re: PROPOSED CONDOMINIUM AT THOMSON/MOULMEIN ROAD
PROPOSED M&E SERVICES TENDER SCHEDULE

We refer to our discussion on 31 January 2000 regarding the tender schedule for the above project and as requested, we transmit our proposed schedule for the various M&E services as shown in the attached for the Owner and your comment, if any.

By copy of this fax, we would like to request the following drawings/documents to be forwarded to us as soon as possible for us prepare our tender documents:-

1. Lift finishes drawings from your office by 6 March 2000.

2. Front end documents & cover from PK & Associates by 21 February 2000.

Please contact us should you require any clarification.

Regards

cc Euro-Asia Realty Pte Ltd - Mr. Richard Tham] with
cc PK & Associates – M/s Victor Chan/Joycelyn Or] enc.

Enc.

STH

LIFS / STH
L last pls

BCA ISO 9000
CERT. NO.: 99/077
SS ISO 9001 : 1994

EURO-ASIA CONDOMINIUM AT THOMSON/MOULMEIN ROAD

PROPOSED M & E SERVICES TENDER SCHEDULE

SERVICES \ DATE	FEB 2000	MARCH 2000	APRIL 2000	MAY 2000	JUNE 2000	REMARKS.
✓ LIFT		1 (15) 13	2 3 17	4 8		
✓ PLUMBING & SANITARY	1 (18)	2 20	3 3	4 24		
✓ FIRE FIGHTING & ALARM		1 (15) 13	2 3 17	4 8		
✓ SWIMMING POOL		2 (6) 20	3 3	4 24		
ELECTRICAL			1 7	2 28 3 12	4 2	
AIR CONDITIONING & MECHANICAL VENTILATION			1 7	2 28 3 12	4 2	

1 – CALLING OF TENDER

2 – TENDER CLOSE

3 – TENDER REPORT

4 – TENDER INTERVIEW & AWARD.

TITLE: EURO-ASIA CONDOMINIUM AT THOMSON/MOULMEIN RD

PREPARED BY: STH

APPROVED BY:

DATE: 17/2/00

FILE NO.:

PAGE: 1/1

Alpha

SECTION 4

PROGRAMME

4.3 Authority Submission Status for M&E Services - 1st Submission

Service	Authority	Original Submission		Comments/Resubmission						Approval/ Clearance
		Scheduled	Actual	Comment	Resubmit	Comment	Resubmit	Comment	Resubmit	
Application for Electricity Supply	Power Supply Pte Ltd		28/7/97							4/8/97
Power Supply Substation	PowerGrid Pte Ltd		1/4/98	15/4/98	5/7/00	14/7/00	26/7/00			4/8/00
Main Single Line Diagram	Power Supply Pte Ltd									
Consumer Switchroom Layout	PowerGrid Pte Ltd									
Metering Layout	PowerGrid Pte Ltd									
Sanitary Installation	ENV (Sewerage)		1/12/97	5/1/98	20/1/98	25/2/98	1/10/99	2/10/99	14/10/99	15/10/99
Domestic Water Supply	PUB (Water)		20/10/99	9/11/99	2/12/99	22/12/99	23/12/99			12/1/00
Gas Supply Installation	PowerGas Pte Ltd		15/1/99	26/11/99	29/11/99					2/12/99
Air Conditioning & Ventilation Inst.	Building Control Division	N.A								
	Fire Safety Bureau		12/7/00							19/7/00
Fire Fighting & Alarm Installation	Fire Safety Bureau		12/7/00							19/7/00
	Telecom (Broadband)									
Telephone Installation	Telecom (TDCS)		6/11/00	18/12/00	12/1/01	12/2/01	22/2/01			
	Telecom (Domestic Operation)									
Fuel Storage	Fire Safety Bureau	N.A								
	Pollution Control Department	N.A								

SECTION 4

PROGRAMME

4.4 Authority Submission Status for M&E Services (Amendments) - 2nd Submission

NOT USED

SECTION 4

PROGRAMME

4.5 Work Progress - Design and Tender Stage

M&E Services

	SERVICES		EI	ACVI	LI	FFAI	PSI	SPFI
1.	Number of Drawings							
2.	Preliminary Design Completed	25%						
		50%						
	(NOT APPLICABLE)	75%						
		100%						
3.	Detailed Design Completed	25%						
		50%						
	(NOT APPLICABLE)	75%						
		100%						
4.	Tender Document Completed	25%						
		50%						
	(NOT APPLICABLE)	75%						
		100%						
5.	TENDER							
	Tender Date		30/5/00	25/5/00	15/3/00	13/3/00	28/2/00	6/3/00
	Tender Evaluation Report		21/7/00	30/6/00	5/5/00 16/10/00	6/4/00 25/7/00	23/3/00 16/5/00	28/6/00 18/7/00
	Tender Award		28/9/00	13/10/00	20/10/00	9/10/00	22/6/00	22/8/00

SECTION 5

PROJECT RECORDS

5.1 List of Internal Files

Standard Files

File Ref: 1140		File Ref: 1140	
-AA	✓	-QSP	✓
-AE	✓	-BD	✓
-AM	✓	-CC	✓
-PC	✓	-GC	✓
-PQP	✓	-CF	✓

Project Files to be initiated by PM as and when required

File Ref: 1041		File Ref: 1140		File Ref: 1140	
-RFI	✓	-SR	✓	-ET	
-SC		-QM	✓	-MT	
-AI	✓	-EC/MC	✓	-DF	
-SQ		-CM/SM	✓	-EOT	✓
-CO	✓	-PP	✓	-VO	✓

Service Files to be initiated by PM as and when required

	Service										
File Ref: 1041	ACVI	FFAI	PSI	EI	LI	SPFP					
-G	✓	✓	✓	✓	✓	✓					
-Q											
-VO											
-PP											
-AI	✓	✓	✓	✓	✓	✓					
-AD											
-CF											
-EI	✓	✓	✓	✓	✓	✓					

SECTION 5

PROJECT RECORDS

5.2 Filing of Drawings

The following team members shall take charge of filing of drawings, stamping "SUPERSEDED" drawings, etc.

Description	Team Member
Incoming Architectural Floor Plans	Ho Kam Hong
Incoming Architectural Sketches/Details	Ho Kam Hong
Incoming Structural Drawings	Ho Kam Hong
M&E Drawings	
- Electrical Installation	Ho Kam Hong
- Lift & Escalator Installation	Ho Kam Hong
- Air Conditioning & Ventilation Installation	Liaw Soon Fen
- Fire Fighting & Alarm Installation	Liaw Soon Fen
- Plumbing & Sanitary Installation	Liaw Soon Fen
- Swimming Pool Filtration Plant Installation	Liaw Soon Fen
Other Drawings	Liaw Soon Fen

SECTION 6

INTERFACING

6.1 Method of Interface

Description	Method of Interface	
Client's Review & Approval	M&E Design Report	✓
	Pre-planned meeting at fixed intervals	✓
	Telefax, letter and telephone	✓
	Email	
Interface With External Design Teams	M&E Design Report	
	Pre-planned meeting at fixed intervals	✓
	Telefax, letter and telephone	✓
	Email	
Interface Between Internal Design Teams	Telephone	✓
	Email	✓
	Internal Project Team Meeting	
	Circulation of Information	✓

(✓ *where applicable*)

SECTION 6

INTERFACING

6.2 Internal Design Interface

NOT USED

SECTION 6

INTERFACING

6.3 Circulation of Documents to External Parties

	Code: A - Approval Required C - For Comments I - For Information Only	Client/ Client Rep.	Client's Project Manager	Architect	Structural Engineer	Quantity Surveyor	
1.	**Letters/Fax:**						
a.	Project Design	A	-	C	C	-	
b.	Project Administration	I	-	C	*C	*C	
c.	Project Cost Estimate/Contract Cost)	A	-	I	-	C	
2.	**Drawings**						
a.	Outline Design Drgs.	A	-	C	*C	-	
b.	Sketch Design Drgs.	I	-	C	*C	-	
c.	Final Design Drgs.	I	-	C	*C	-	
d.	Shop Drawings	I	-	C	C	-	
e.	As Built Drgs.	I	-	I	-	-	
3.	**Other Document**						
a.	Specification	A	-	I	-	-	
b.	Tender Document	A	-	C	-	C	
c.	Tender Evaluation Report	A	-	I	-	I	
d.	Design Report	A	-	A	-	-	
e.	Progress Report	I	-	I	-	-	
f.	Financial Report	I	-	I	-	C	
g.	Minutes of Meeting	I	-	I	-	-	
h.	Inspection Report	I	-	I	-	-	
i.	Testing & Comm. Report	I	-	I	-	-	
j.	O & M Manual	I	-	I	-	-	

SECTION 7

WORK AUTHORISATION

Activity \ Authorised Signatories	PD	QP	PM	SS
General Correspondences with Client	✓			
General Correspondences with Other Consultants			✓	
M&E Cost Estimate Report	✓			
M&E Design Report	✓			
Check Prints			✓	
Tender Drawing Approval			✓	
Tender Specification Approval			✓	
List of Tenderers			✓	
Tender Questionaires			✓	
Tender Reports			✓	
Draft Letter of Award			✓	
Review of Contractor's Shop Drawing			✓	
Review of Contractor's Technical Submittal			✓	
Review of Contractor's Sample Submittal			✓	
Contractor's Request for Deviation			✓	
Progress Payment Valuation Form			✓	
Final Account Valuation			✓	
Draft Variation Order			✓	
Engineer/Architect's Instruction/Direction			✓	
Site Instruction/Direction			✓	
Correspondence/Submission to Authorities		✓		

(✓ *where authorised*)

Key to abbreviations:-

PD : Project Director
QP : Qualified Person
PM : Project Manager/Assistant Project Manager
SS : AEC Site Staff

SECTION 8

DESIGN INPUT & METHODOLOGY

8.1 List of Client's Standards, Reference Documents or Brief

ITEM	KEPT BY
NIL	NIL

8.2 List of Applicable Code of Practice and Regulations

Electrical Wiring	BS	SS	IEE	~~NFPA~~	
Lightning Protection System	~~BS~~	SS			
Air Conditioning & Ventilation Installation	~~BS~~	~~AS~~	~~NFPA~~	SS	~~MS~~
Lift & Escalator Installation	~~BS~~	SS			
Sprinkler System	~~BS~~	SS	~~NFPA~~	~~AS~~	~~LPC~~
Wet Riser System	~~BS~~	SS	~~NFPA~~	~~AS~~	~~MS~~
Automatic Fire Alarm System	~~BS~~	SS	~~NFPA~~	~~AS~~	~~MS~~
Sanitary System	~~BS~~	SS	~~NFPA~~	~~AS~~	~~MS~~
Plumbing System	BS	SS	~~NFPA~~	~~AS~~	~~MS~~
Town Gas/LPG Supply System	BS	SS	~~NFPA~~	~~AS~~	

DESIGN INPUT & METHODOLOGY

8.3 List of Design Guide or Handbook Used

Carrier's Handbook of Air Conditioning System Design

ASHRAE Handbooks

Institute of Plumbing's Plumbing Services Design Guide

8.4 List of Applicable Quality System Procedures

Alpha Engineering Consultant's Quality System Procedures

Section	Title
A1	Documentation of Quality System Procedure
A2	Documentation of Project Quality Plan
A3	Administration Control
A4	Document Control
A5	Library Control
A6	Archive Control
A7	Purchasing Control
A8	Training Control
A9	Feedback Reporting
A10	Computer Control
B1	Preparation of Consultancy Offer
B2	Project Commission and Service Agreement
B3	Design Control
B4	Design Change Control
B5	Drawing Control
B6	Specification Control
B7	Tender Process and Evaluation
C1	Construction Process Control
C2	Testing and Commissioning
D1	Quality System Audit

8.5 List of Software Used For Design/Analysis

DESCRIPTION/ PACKAGE NAME	VERSION	SUPPLIER/ SOURCE	PURPOSE	
Calculux	2.30	Philips	Lighting design	
Cophos	3.31	Zumtobel	Lighting design	
Carrier E20-II	3.21	Carrier	Programme for determination of heat load, duct size and its losses, etc.	
Gensize 2	2.1	Onan	Generator sizing	
Lift Traffic	-	Alpha Engineering	Lift traffic calculation	✓
Econdial	2.5	Merlin Gerlin	Design for low voltage network	
Hyena	4.00.1	ACADS-BSG	Fire Sprinkler & Hydrant Analysis	
Fault Level Calculation	-	Alpha Engineering	Calculation of voltage drop and fault level	✓

(✓ *where applicable*)

SECTION 9

CLIENT'S REQUIREMENTS

9.1 List of Output Required by Client:-

Item	* Remarks
M&E Design Report	A
M&E Cost Estimate Report	I
Pre-Qualification of Tenderers	-
Tender Documents	I
Tender Report	I
Payment Valuation for QS	For progress claim certification
O&M Manuals	Re
As-built Drawings	Re
Certificates of Supervision for TOP/CSC	Re

** Remarks*

A: for approval *C: for comment* *I: for Information* *Re: for record*

Other purposes and for action: please specify.

9.2 Specific Procedures Required By Client *(If applicable)*

SECTION 10

LIST OF SUB-JOB

10.1 List of Sub-Job Numbers

NOT USED