Alpha
Consulting Engineers Pte Ltd

PROJECT QUALITY PLAN

PROPOSED CONCOURSE SKYLINE RESIDENTIAL CUM RETAIL DEVELOPMENT AT BEACH ROAD

For

HONG FOK LAND LTD

Copy No.	1

Prepared By: Tay Chin Meng

Authorised By: Choong Choon Guan

Date: 12 November 2013

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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	6056-PQP	12 November 2013

1.2 Revision Record

Revision	Date of Issue	Section Reference	Page(s)	Remarks
0	28 July 2008	1 to 11	28	+ 3 pgs (Sect 4.1 – Overall Programme)
1	30 January 2009	1 to 11	28	+ 1 pg (Sect 4.1 – Preliminary Master Plan)
2	5 June 2009	1 to 11	28	+ 9 pgs (Sect 10.2 – Engineer's Instruction & Engineer's Direction Template + Communication Flowchart + RFI Form + Request for Approval of Variation + Date of Progress Payment Valuation)
3	23 April 2010	1 to 11	28	+ 2 pgs (Sect 4.1 – Overall Programme) + 5 pgs (Sect 10.2 – Engineer's Instruction & Engineer's Direction Template + Communication Flowchart + RFI Form + Request for Approval of Variation)

Revision	Date of Issue	Section Reference	Page(s)	Remarks
4	7 January 2011	1 to 11	28	+ 2 pgs (Sect 4.1 – Overall Programme) + 5 pgs (Sect 10.2 – Engineer's Instruction & Engineer's Direction Template + Communication Flowchart + RFI Form + Request for Approval of Variation)
5	14 March 2013	1 to 11	52	+ 2 pgs (Sect 4.1 – Overall Programme) + 5 pgs (Sect 10.2 – Engineer's Instruction & Engineer's Direction Template + Communication Flowchart (Substructure Works) + 2 pgs NSC/DSC Contact List (Superstructure Works) + RFI Form + Request for Approval of Variation)
6	12 November 2013	1 to 11	32	+ 27 pgs (Sect 4.1 – Overall Programme) +10 pgs (Sect 8.4 – Pre-Consultation Waiver) + 7 pgs (Sect 10.2 – Engineer's Instruction & Engineer's Direction Template + Communication Flowchart (Substructure Works) + NSC/DSC Contact List (Superstructure Works) + RFI Form + Request for Approval of Variation)

SECTION 2

PROJECT INFORMATION

2.1 Project Description

Type of Development	Part Residential / Part Commercial

Statistics of Development	
Site Area, m²	20,492.90
Nett Floor Area, m²	19,901.30
Gross Floor Area, m²	105,917.53
Covered Carpark, m²	34,191.65
No. of Covered Carpark Lots	13,270.84
No. of Apartments/Houses	360
No. of Beds (for Hospitals)	NA
No. of Guestroom (for Hotels)	NA
No. of Blocks / No. of Storeys	NA
Green Mark Category	NA
No. of Phases	3

2.2 Project Cost

2.2.1 Substructure

M&E Services Cost Plan (S$ x 1M)										
Services	EI	ACVI	LEI	FFAI	PSI	SPFI				
Estimate	-	-	-	-	-	-				
Awarded	3.6	3.2	NA	1.3	1.5	NA				

Total Project Construction Cost (S$ x1M)			
	Site Clearance	Piling Works	Main Contract
Estimate	-	-	-
Awarded	0.95	6.6	49

2.2.2 Superstructure

M&E Services Cost Plan (S$ x 1M)										
Services	EI	ACVI	LEI	FFAI	PSI	SPFI	SL			
Estimate	-	-	-	-	-	-	-			
Awarded	9.29	9.07	3.06	2.2	5.7	0.7	1.7			

Total Project Construction Cost (S$ x1M)			
	Site Clearance	Piling Works	Main Contract
Estimate	-	-	-
Awarded	-	-	194

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

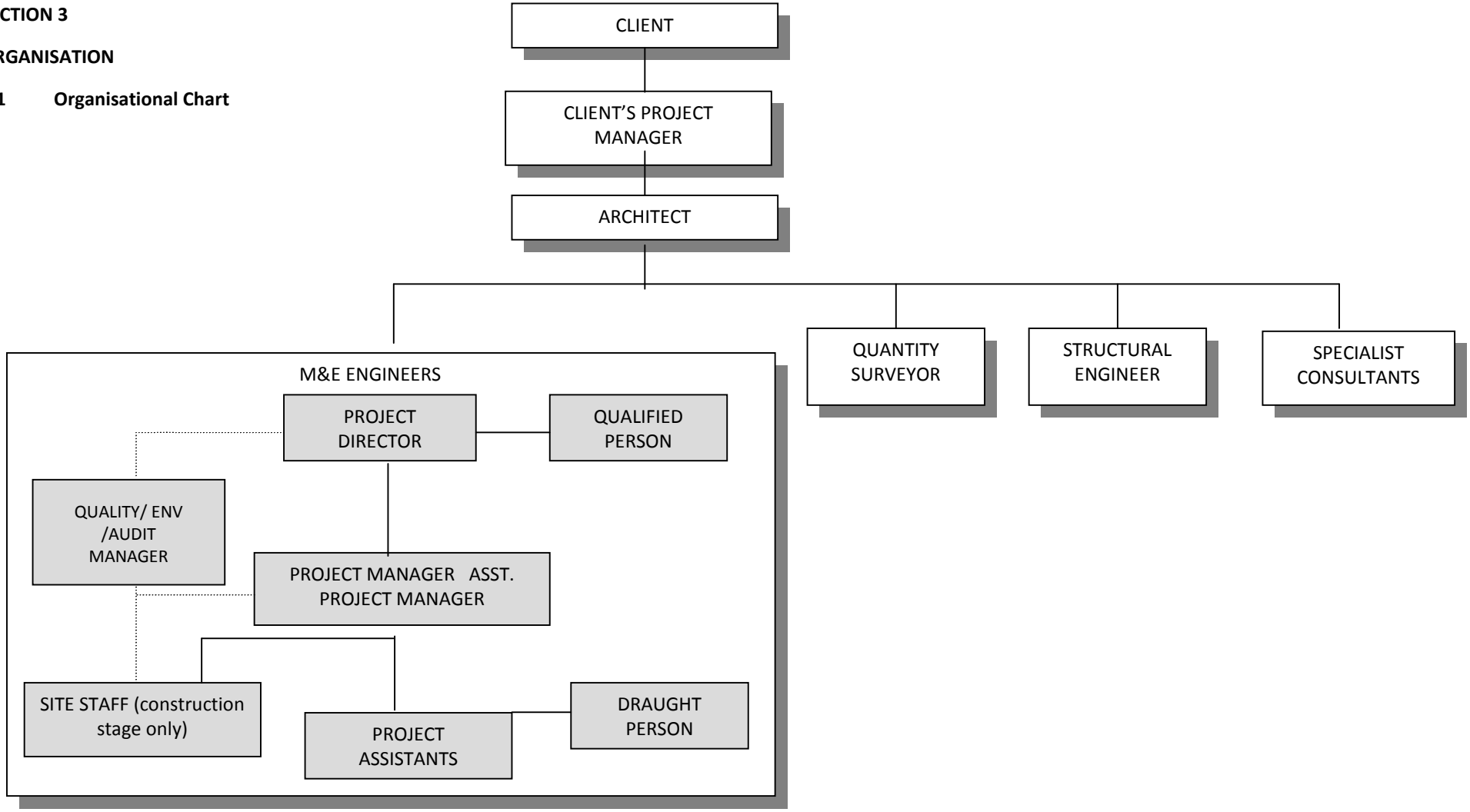
EJECTOR & DIVERTER	✓	SUMP PUMP	✓	FUEL OIL TANK		LIFT	✓	PRESSURE VESSEL		HOISTS		FOAM	

(✓*where applicable*)

SECTION 3

ORGANISATION

3.1 Organisational Chart



SECTION 3

ORGANISATION

3.2 ACEPL's Project Team Member

TITLE		NAME
Project Director		Choong Choon Guan (CCG)
Qualified Person	Mechanical	Choong Choon Guan (CCG)
	Electrical	Loh Fook Yuen (LFY)
Project Manager		Derek Ong (DO)
Assistant Project Manager		Tay Chin Meng (TCM)
Project Assistant (Mech)		Tay Chin Meng (TCM)
Project Assistant (Elect)		Victor Tjhin (TV)
Draughtsperson		Common Pool
Resident Engineer (M&E)		-
Assistant Resident Engineer (M&E)		-
Clerk-of-Work (M&E)		
Resident Technical Officer (M&E)		Ang Kwang Hwee, Jon (JA)
Resident Technical Officer (M&E)		Hamid Hussin (HH)

3.3 Client/Client's Representatives

Client:- Hong Fok Land Ltd

Address:- 300 Beach Road #41-00
The Concourse
Singapore 199555

Tel:- 6292 8181

Fax:- 6293 8689

Client's Representatives:-

Name of Company	Contact Person	Contact
Client: Hong Fok Land Ltd	Name: Cheong Kim Pong Position: Managing Director	Tel: 6292 8181 Fax: 6293 8689 Handphone: - Email: kpcheong@hongfok.com.sg
Client: Hong Fok Land Ltd	Name: Florence Cheong Position: Director	Tel: 6292 8181 Fax: 6293 8689 Handphone: - Email: florencecheong@hongfok.com.sg
Client: Hong Fok Land Ltd	Name: Lok Nam Moon Position: Vice President (Projects)	Tel: 6292 8181 Fax: 6293 8689 Handphone: - Email: lnm@hongfok.com.sg

3.4 **Other Consultants** (Local)

Function / Name of Company	Contact Person	Contact
Architect Architects 61 Pte Ltd	Name: Joseph Cheang Position: Director Name: Low Siew Woon Position: Associate Name: Eason Cheng Position: Architectural Assistant	Tel: 6737 5977 Fax: 6732 5439 Handphone: - Email: jcheang@a61.com.sg Email: low_siew_woon@a61.com.sg Email: eason_cheng@a61.com.sg
Quantity Surveyor Rider Levett Bucknall LLP	Name: Serene Chua Position: Associate Name: Hazel Huang Position: Quantity Surveyor	Tel: 6339 1500 Fax: 6339 1521 Handphone: - Email: serene.chua@sg.rlb.com Email: hazel.huang@sg.rlb.com
Structural Engineer Meinhardt (Singapore) Pte Ltd	Name: Tong Woon Ing Position: Principal Engineer	Tel: 6377 9266 Fax: 6274 0788 Handphone: - Email: twi@meinhardt.com.sg
Interior Designer Axis ID Pte Ltd	Name: Jerry Pang Position: Project Manager Name: Juan Paolo Gonzales Position: Interior Designer	Tel: 6226 3003 Fax: 6227 3003 Handphone: - Email: jerry@axisarch.com.sg Email: juan@axisarch.com.sg
Landscape Consultant Sitetectonix Pte Ltd	Name: Helen Smith-Yeo Position: Principal Name: Wan Shyrell Position: Sr Landscape Architect	Tel: 6327 4452 Fax: 6327 8042 Handphone: - Email: helensmithyeo@sitetectonix.com Email: wanshyrell@sitetectonix.com
Lighting Consultant	Name: Position:	Tel: Fax: Handphone: Email:
Acoustic Consultant	Name: Position:	Tel: Fax: Handphone: Email:

3.4 **Other Consultants** (Overseas)

Function / Name of Company	Contact Person	Contact
Architect	Name: Position:	Tel: Fax: Handphone: Email:
M&E Consultant	Name: Position:	Tel: Fax: Handphone: Email:
Quantity Surveyor	Name: Position:	Tel: Fax: Handphone: Email:
Structural Engineer	Name: Position:	Tel: Fax: Handphone: Email:
Interior Designer	Name: Position:	Tel: Fax: Handphone: Email:
Lighting Consultant Brandston Partnership Inc	Name: Chui Wai Mun Position: Senior Associate	Tel: 212-9244050 Fax: 212-6915418 Handphone: - Email: chui@brandston.com
Acoustic Consultant	Name: Position:	Tel: Fax: Handphone: Email:

3.5 Contractors/Sub-Contractors

Function / Name of Company	Contract *	Contact Person	Contact
Main Contractor Sub-Structure Maincon (Building) Pte Ltd	-	Name: Lok Nam Moon Position: Vice President (Projects)	Tel: 6292 8181 Fax: 6293 8689 Handphone: - Email: lnm@hongfok.com.sg
Superstructure Maincon (Building) Pte Ltd	-	Name: Lok Nam Moon Position: Vice President (Projects)	Tel: 6292 8181 Fax: 6293 8689 Handphone: - Email: lnm@hongfok.com.sg
Mechanical And Electrical Installations Sub-Contractor : (Sub-Structure) Wah Loon Electrical Engineering Pte Ltd	NSC	Name: Alan Chong Sin Kiong Position: Managing Director	Tel: 6747 3773 Fax: 6741 3773 Handphone: - Email: alanchong@wahloon.com.sg
		Name: Yee Khai Cheong Position: Technical Director	Handphone: 9752 8668 Email: yeekc@wahloon.com.sg
		Name: Peck Choon Eng Position: Project Manager	Handphone: 9181 4212 Email: peckce@wahloon.com.sg
(Superstructure) Wah Loon Electrical Engineering Pte Ltd	NSC	Name: Alan Chong Sin Kiong Position: Managing Director	Tel: 6747 3773 Fax: 6741 3773 Handphone: - Email: alanchong@wahloon.com.sg
		Name: Eric Toh Position: Project Director	Handphone: 9751 9392 Email: erictoh@wahloon.com.sg
		Name: Peck Choon Eng Position: Project Manager	Handphone: 9181 4212 Email: peckce@wahloon.com.sg
Lift Installation Sub-Contractor Chevalier Singapore Holdings Pte Ltd	NSC	Name: Seah Beng Shea Position: Senior Manager Name: Chan Keng Watt Position: Executive Manager	Tel: 6273 2266 Fax: 6747 2988 Handphone: - Email: seahbs@chevalier.com.sg Email: chankw@chevalier.com.sg

Function / Name of Company	Contract *	Contact Person	Contact
Water Feature and Swimming Pool Filtration Plant Installation Sub-Contractor Venus Enterprises Pte Ltd	NSC	Name: Frederick Wong Position: Director	Tel: 6272 9185 Fax: 6272 1091 Handphone: 9825 3533 Email: fredwong@venus.com.sg
Lighting Sub-Contractor Pacific Technical Products Pte Ltd	NSC	Name: C Y Fun Position: Director	Tel: 6288 3800 Fax: 6287 7882 Handphone: Email: ptp@ptp.com.sg

** 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/Fax Nos./E-mail
SP PowerGrid:		
(a) Sub-Station	Mr Francis Chang	6823 8555 / francischang@singaporepower.com.sg
(b) Diversion		
SP Services:		
(a) Customer Supply		
(b) Installation		
(c) Meter Section		
(d) Road Lighting		
TFCC:		
(a) SCV	Mr Kent Foo Tze Sern	9457 9500 / kentfoo@starhub.com
(b) SingTel	Mr Tan Beng Hua	9735 3182 / bhtan@singtel.com
(c) IDA		
BCA:		
(a) Building Plan		
(b) Green Mark		
FSSD:		
(a) Building Plan		
(b) M&E Plan		
PUB (Water Supply) Network Dept:		
(a) Water Conservation		
(b) Plumbing Plan	Mr Kuthubdeen Zaman	6731 3762 / zaman_kuthubdeen@pub.gov.sg
(c) Diversion		
(d) NEWater		
PUB Water Reclamation (Network) Dept:		
(a) Building Plan/CBPU		
(b) M&E Plan		
(c) Diversion		
City Gas Pte Ltd:		
(a) Planning/Submission	Mr Liew Khee Boon	6578 4603 / kheeboon@citygas.com.sg
(b) Installation/Inspection	Mr Ahmad Fadik Bin Papok	6578 7813 / FADIK@citygas.com.sg
PowerGas Pte Ltd		
(a) Diversion		
NEA (Pollution Control)		
(a) Planning/Submission		
(b) Inspection		

SECTION 4

PROGRAMME

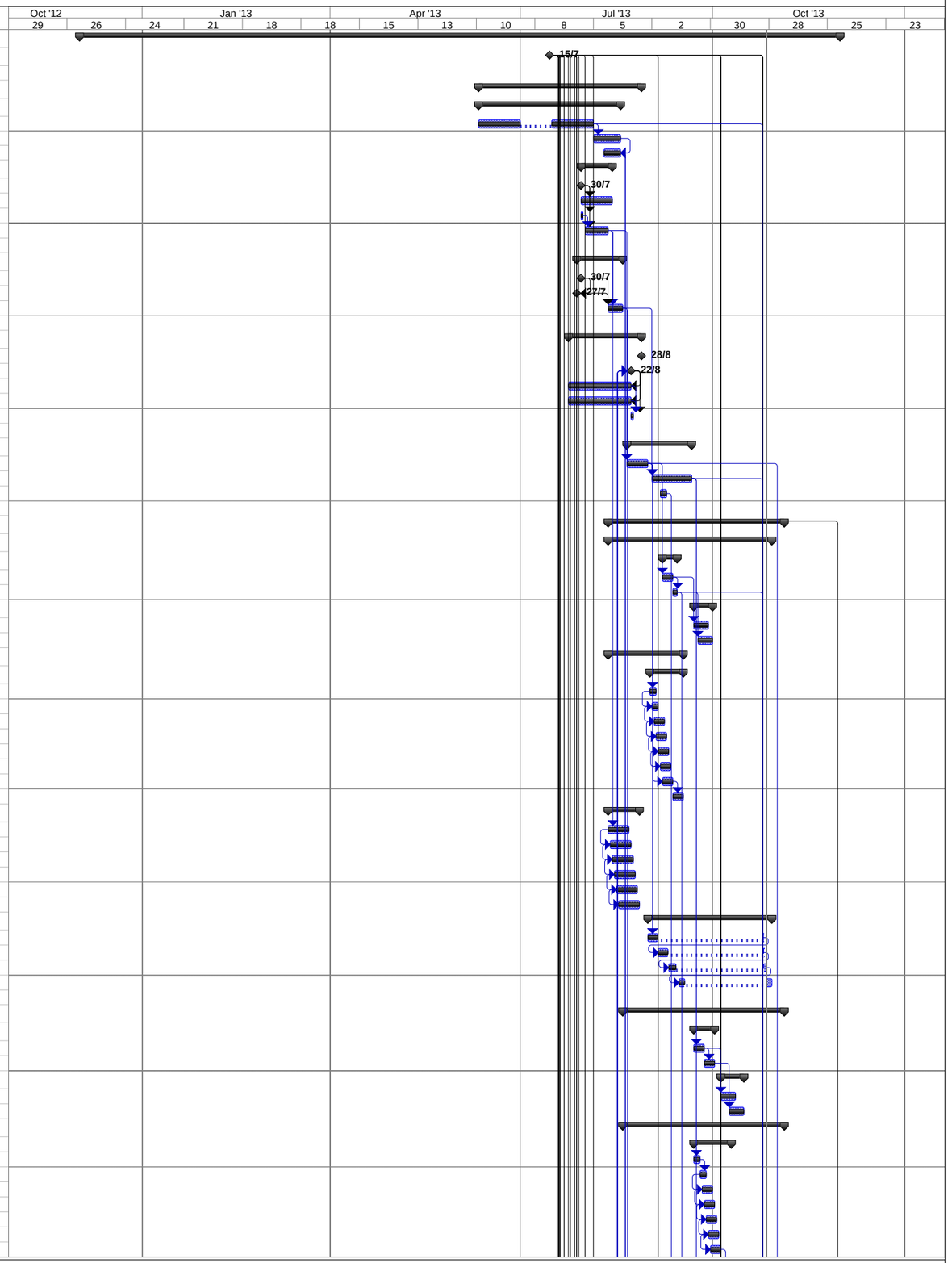
4.1 Overall Programme – Refer to attached

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																									

Phase 3 Master Schedule Rev 3.1_24-10-2013

(Balance works completion for TOP)

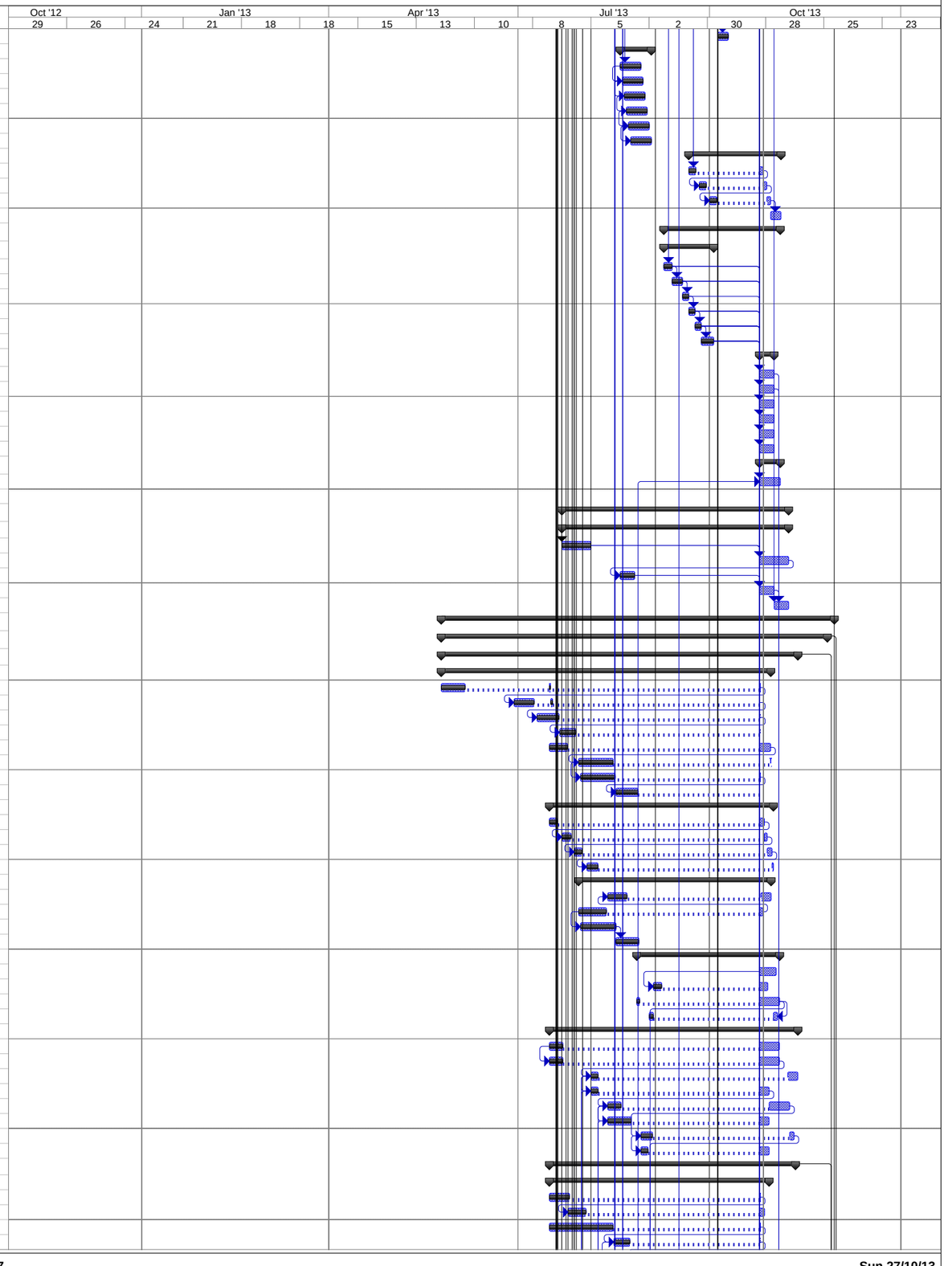
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
1	**CONCOURSE SKYLINE - Balance work for TOP**	**364 days**	**Sun 2/12/12**	**Sat 30/11/13**	**64%**	
2	Schedule date to start	0 days	Mon 15/7/13	Mon 15/7/13	100%	
3						
4	**Works to be completed for the Tower crane dismantle**	**78 days**	**Tue 11/6/13**	**Wed 28/8/13**	**100%**	
5	**Bubble tank**	**68 days**	**Tue 11/6/13**	**Sat 17/8/13**	**100%**	
6	Installation Using Tower crane TC2	40 days	Tue 11/6/13	Sun 4/8/13	100%	
7	Installation Using Tower crane TC3	13 days	Mon 5/8/13	Sat 17/8/13	100%	6
8	Installation Using Tower crane TC1	8 days	Sat 10/8/13	Sat 17/8/13	100%	7FF
9	**Tower-2**	**15 days**	**Tue 30/7/13**	**Tue 13/8/13**	**100%**	
10	Lift handover by Chevalier	0 days	Tue 30/7/13	Tue 30/7/13	100%	
11	Materials hoist up for all the trade	15 days	Tue 30/7/13	Tue 13/8/13	100%	10
12	Remove material loading platform	1 day	Tue 30/7/13	Tue 30/7/13	100%	10
13	Dismantle PM hoist	11 days	Thu 1/8/13	Sun 11/8/13	100%	10FS+1 day,12FS+1 day
14						
15	**Tower-1**	**22 days**	**Sat 27/7/13**	**Sun 18/8/13**	**100%**	
16	Lift handover by Chevalier	0 days	Tue 30/7/13	Tue 30/7/13	100%	
17	Materials hoist up for all the trade	0 days	Sat 27/7/13	Sat 27/7/13	100%	16FF-2 days
18	Dismantle PM hoist	7 days	Mon 12/8/13	Sun 18/8/13	100%	16,13,17
19						
20	**Podium**	**35 days**	**Wed 24/7/13**	**Wed 28/8/13**	**100%**	
21	Lift handover by Chevalier	0 days	Wed 28/8/13	Wed 28/8/13	100%	
22	Spiral staircase installation complete	0 days	Thu 22/8/13	Thu 22/8/13	100%	1862,1878,1894,1846
23	All trellis support installation	30 days	Wed 24/7/13	Thu 22/8/13	100%	22FF
24	Materials hoist up for all the trade	30 days	Wed 24/7/13	Thu 22/8/13	100%	22FF
25	Remove material loading platform	1 day	Fri 23/8/13	Fri 23/8/13	100%	22,23,24
26						
27	**Tower Cranes dismantle**	**31 days**	**Wed 21/8/13**	**Fri 20/9/13**	**100%**	
28	Tower crane TC2 (Tower 2) dismantling	10 days	Wed 21/8/13	Fri 30/8/13	100%	13
29	Tower crane TC3 (Tower 1) dismantling	19 days	Mon 2/9/13	Fri 20/9/13	100%	28,18
30	Tower crane TC1 (Podium) dismantling	3 days	Fri 6/9/13	Sun 8/9/13	100%	
31						
32	**Works after the Tower crane dismantle**	**34.05 days**	**Mon 12/8/13**	**Mon 4/11/13**	**81%**	
33	**Tower-2**	**78.1 days**	**Mon 12/8/13**	**Tue 29/10/13**	**97%**	
34	**RC works (Tower crane area)**	**7 days**	**Sat 7/9/13**	**Fri 13/9/13**	**100%**	
35	Cast back Tower Crane TC2 openings (B1 slab)	5 days	Sat 7/9/13	Wed 11/9/13	100%	28
36	Cast back Tower Crane TC2 openings (1st sty slab)	2 days	Thu 12/9/13	Fri 13/9/13	100%	35
37	**M&E works (Tower crane area)**	**9 days**	**Sun 22/9/13**	**Mon 30/9/13**	**100%**	
38	M&E works in the B2 ceiling	7 days	Sun 22/9/13	Sat 28/9/13	100%	35FS+10 days
39	M & E works in the B1 ceiling	7 days	Tue 24/9/13	Mon 30/9/13	100%	36FS+10 days
40	**Archi works (Tower crane area)**	**36 days**	**Mon 12/8/13**	**Mon 16/9/13**	**100%**	
41	**Tower crane tieback floors**	**16 days**	**Sun 1/9/13**	**Mon 16/9/13**	**100%**	
42	Aluminium frame at balcony	3 days	Sun 1/9/13	Tue 3/9/13	100%	28FS+1 day
43	Palstering	3 days	Mon 2/9/13	Wed 4/9/13	100%	42SS+1 day
44	Balcony cladding	5 days	Tue 3/9/13	Sat 7/9/13	100%	43SS+1 day
45	Balcony ceiling	5 days	Wed 4/9/13	Sun 8/9/13	100%	44SS+1 day
46	Floor tiling	5 days	Thu 5/9/13	Mon 9/9/13	100%	45SS+1 day
47	Galss balustrade & SS railing	5 days	Fri 6/9/13	Tue 10/9/13	100%	46SS+1 day
48	Floor marble	5 days	Sat 7/9/13	Wed 11/9/13	100%	47SS+1 day
49	Inner frame & Glazing	5 days	Thu 12/9/13	Mon 16/9/13	100%	48
50	**PM Hoist balcony (From 7 to 39 sty)**	**15 days**	**Mon 12/8/13**	**Mon 26/8/13**	**100%**	
51	Aluminium frame at balcony	10 days	Mon 12/8/13	Wed 21/8/13	100%	13
52	balcony cladding	10 days	Tue 13/8/13	Thu 22/8/13	100%	51SS+1 day
53	balcony ceiling	10 days	Wed 14/8/13	Fri 23/8/13	100%	52SS+1 day
54	Floor tiling	10 days	Thu 15/8/13	Sat 24/8/13	100%	53SS+1 day
55	Galss balustrade & SS railing	10 days	Fri 16/8/13	Sun 25/8/13	100%	54SS+1 day
56	Inner frame & Glazing	10 days	Sat 17/8/13	Mon 26/8/13	100%	55SS+1 day
57	**External cladding at Tower crane & PM hoist location**	**59.1 days**	**Sat 31/8/13**	**Tue 29/10/13**	**80%**	
58	7th to 16th sty	5 days	Sat 31/8/13	Fri 25/10/13	99%	28
59	17th to 26th sty	5 days	Thu 5/9/13	Fri 25/10/13	95%	58
60	27th to 36th sty	5 days	Tue 10/9/13	Sat 26/10/13	69%	59
61	37th to 40th sty	5 days	Sun 15/9/13	Tue 29/10/13	55%	60
62						
63	**Tower-1**	**77.05 days**	**Mon 19/8/13**	**Mon 4/11/13**	**93%**	
64	**RC works (Tower crane area)**	**10 days**	**Sun 22/9/13**	**Tue 1/10/13**	**100%**	
65	Cast back Tower Crane TC3 openings (B1 slab)	5 days	Sun 22/9/13	Thu 26/9/13	100%	29FS+1 day
66	Cast back Tower Crane TC3 openings (1st sty slab)	5 days	Fri 27/9/13	Tue 1/10/13	100%	65
67	**M&E works (Tower crane area)**	**11 days**	**Sat 5/10/13**	**Tue 15/10/13**	**100%**	
68	M & E works in the B2 ceiling	7 days	Sat 5/10/13	Fri 11/10/13	100%	65FS+7 days
69	M & E works in the B1 ceiling	7 days	Wed 9/10/13	Tue 15/10/13	100%	66FS+7 days
70	**Archi works (Tower crane area)**	**77.05 days**	**Mon 19/8/13**	**Mon 4/11/13**	**91%**	
71	**Tower crane tieback floors**	**18 days**	**Sun 22/9/13**	**Wed 9/10/13**	**100%**	
72	Aluminium frame at balcony	3 days	Sun 22/9/13	Tue 24/9/13	100%	29FS+1 day
73	Palstering	3 days	Wed 25/9/13	Fri 27/9/13	100%	72
74	Balcony cladding	5 days	Thu 26/9/13	Mon 30/9/13	100%	73SS+1 day
75	Balcony ceiling	5 days	Fri 27/9/13	Tue 1/10/13	100%	74SS+1 day
76	Floor tiling	5 days	Sat 28/9/13	Wed 2/10/13	100%	75SS+1 day
77	Galss balustrade & SS railing	5 days	Sun 29/9/13	Thu 3/10/13	100%	76SS+1 day
78	Floor marble	5 days	Mon 30/9/13	Fri 4/10/13	100%	77SS+1 day



Phase 3 Master Schedule Rev 3.1_24-10-2013

(Balance works completion for TOP)

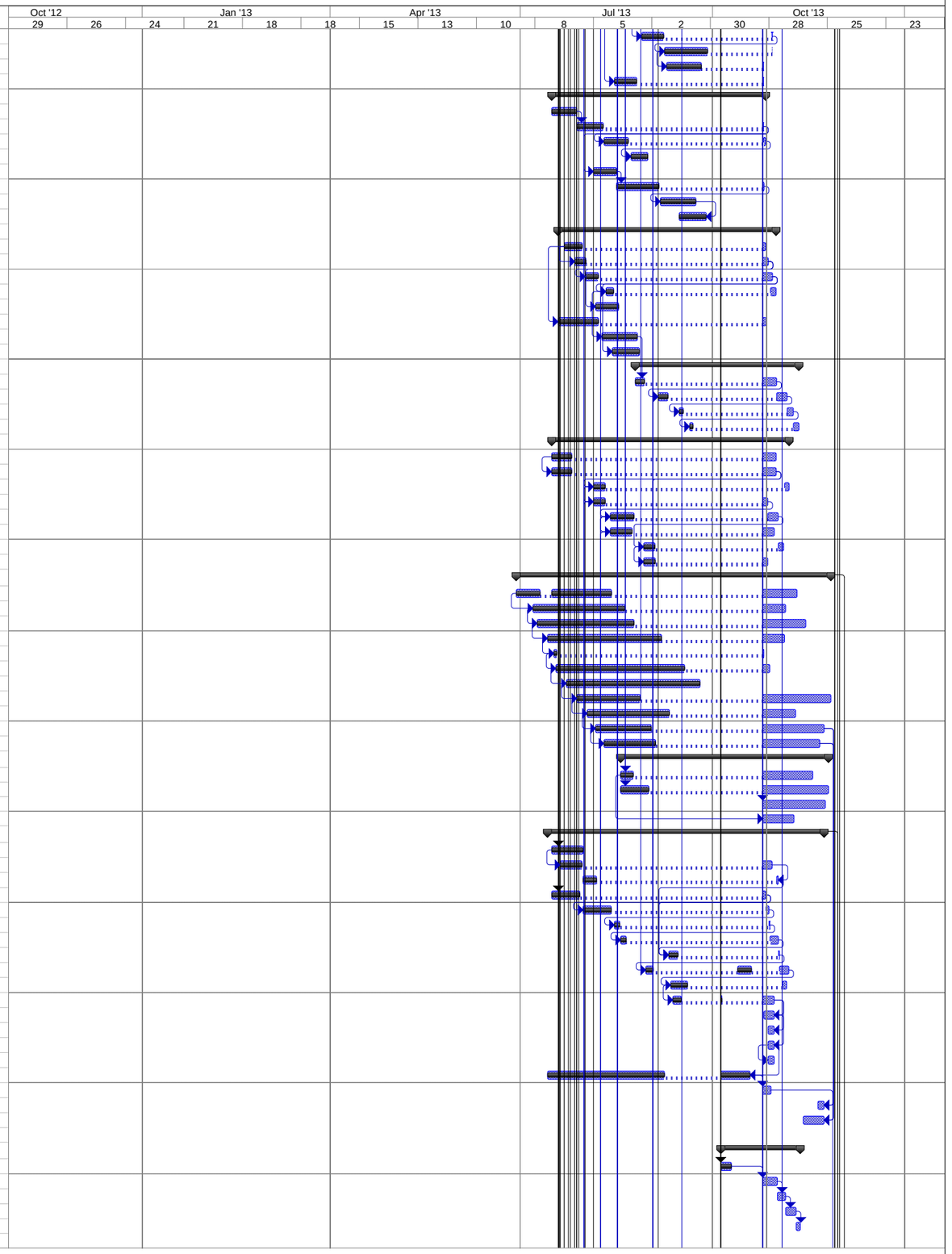
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
79	Inner frame & Glazing	5 days	Sat 5/10/13	Wed 9/10/13	100%	78
80	**PM Hoist balcony (From 7 to 27 sty)**	**15 days**	**Mon 19/8/13**	**Mon 2/9/13**	**100%**	
81	Aluminium frame at balcony	10 days	Mon 19/8/13	Wed 28/8/13	100%	18
82	Balcony cladding	10 days	Tue 20/8/13	Thu 29/8/13	100%	81SS+1 day
83	Balcony ceiling	10 days	Wed 21/8/13	Fri 30/8/13	100%	82SS+1 day
84	Floor tiling	10 days	Thu 22/8/13	Sat 31/8/13	100%	83SS+1 day
85	Galss balustrade & SS railing	10 days	Fri 23/8/13	Sun 1/9/13	100%	84SS+1 day
86	Inner frame & Glazing	10 days	Sat 24/8/13	Mon 2/9/13	100%	85SS+1 day
87	**External cladding at Tower crane & PM hoist location**	**44.05 days**	**Sat 21/9/13**	**Mon 4/11/13**	**50%**	
88	7th to 16th sty	5 days	Sat 21/9/13	Sat 26/10/13	64%	29
89	17th to 26th sty	5 days	Thu 26/9/13	Mon 28/10/13	68%	88
90	27th to 36th sty	5 days	Tue 1/10/13	Wed 30/10/13	67%	89
91	37th to 40th sty	5 days	Wed 30/10/13	Mon 4/11/13	0%	90
92	**Podium**	**56 days**	**Mon 9/9/13**	**Sun 3/11/13**	**32%**	
93	**RC works (Tower crane area)**	**24 days**	**Mon 9/9/13**	**Wed 2/10/13**	**100%**	
94	Cast back Tower Crane TC1 openings (B1 slab)	4 days	Mon 9/9/13	Thu 12/9/13	100%	30
95	Cast back Tower Crane TC1 openings (1st sty slab)	5 days	Fri 13/9/13	Tue 17/9/13	100%	94
96	Cast back Tower Crane TC1 openings (2nd sty slab)	3 days	Wed 18/9/13	Fri 20/9/13	100%	95
97	Cast back Tower Crane TC1 openings (3rd sty slab)	3 days	Sat 21/9/13	Mon 23/9/13	100%	96
98	Cast back Tower Crane TC1 openings (4th sty slab)	3 days	Tue 24/9/13	Thu 26/9/13	100%	97
99	Cast back Tower Crane TC1 openings (5th sty slab)	6 days	Fri 27/9/13	Wed 2/10/13	100%	98
100	**M&E works (Tower crane area)**	**7 days**	**Fri 25/10/13**	**Thu 31/10/13**	**0%**	
101	M&E works in the B2 ceiling	7 days	Fri 25/10/13	Thu 31/10/13	0%	94FS+7 days
102	M & E works in the B1 ceiling	7 days	Fri 25/10/13	Thu 31/10/13	0%	95FS+7 days
103	M & E works in the 1st sty ceiling	7 days	Fri 25/10/13	Thu 31/10/13	0%	96FS+7 days
104	M & E works in the 2nd sty ceiling	7 days	Fri 25/10/13	Thu 31/10/13	0%	97FS+7 days
105	M & E works in the 3rd sty ceiling	7 days	Fri 25/10/13	Thu 31/10/13	0%	98FS+7 days
106	M & E works in the 4th sty ceiling	7 days	Fri 25/10/13	Thu 31/10/13	0%	99FS+7 days
107	**Archi works (Tower crane area)**	**10 days**	**Fri 25/10/13**	**Sun 3/11/13**	**0%**	
108	Granite finish at 5th sty sty (include ponding test & waterproof)	10 days	Fri 25/10/13	Sun 3/11/13	0%	99FS+3 days,221SS
109						
110	**STRUCTURAL RC WORKS BALANCE**	**109 days**	**Mon 22/7/13**	**Thu 7/11/13**	**43%**	
111	**External Area**	**109 days**	**Mon 22/7/13**	**Thu 7/11/13**	**43%**	
112	Bin Centre (Compactor)	14 days	Mon 22/7/13	Sun 4/8/13	100%	2FS+7 days
113	Dog house for MV duct near SL1	14 days	Fri 25/10/13	Thu 7/11/13	0%	112
114	Guard houses 2 - At Podium	7 days	Mon 19/8/13	Sun 25/8/13	100%	113
115	Dog house for MV duct at Tower 1 planter area	7 days	Fri 25/10/13	Thu 31/10/13	0%	112,29
116	Dog house for MV duct at Tower 2 planter area	7 days	Fri 1/11/13	Thu 7/11/13	0%	115,28
117	**ARCHITECTURAL WORKS**	**189 days**	**Sat 25/5/13**	**Fri 29/11/13**	**59%**	
118	**Aluminium cladding & Glazing works (Yuanda schedule)**	**35.76 days**	**Sat 25/5/13**	**Tue 26/11/13**	**76%**	
119	**Tower 1 External Cladding**	**171.4 days**	**Sat 25/5/13**	**Tue 12/11/13**	**70%**	
120	**7th to 16th sty**	**158.38 days**	**Sat 25/5/13**	**Wed 30/10/13**	**94%**	
121	Unit 9	12 days	Sat 25/5/13	Fri 25/10/13	99%	
122	Unit 10	11 days	Sat 29/6/13	Fri 25/10/13	99%	121
123	Unit 11	11 days	Wed 10/7/13	Fri 25/10/13	99%	122
124	Unit 12	8 days	Sun 21/7/13	Fri 25/10/13	98%	123
125	Unit 13 (other than tower crane area)	14 days	Tue 16/7/13	Wed 30/10/13	64%	
126	Unit 14 (South elevation only-balance after PM hoist dismtl)	17 days	Tue 30/7/13	Wed 30/10/13	98%	125
127	Unit 15	17 days	Wed 31/7/13	Fri 25/10/13	99%	126SS+1 day
128	Unit 16	11 days	Sat 17/8/13	Fri 25/10/13	99%	127
129	**17th to 21st sty**	**107.9 days**	**Tue 16/7/13**	**Thu 31/10/13**	**71%**	
130	Unit 9	6 days	Tue 16/7/13	Sun 27/10/13	65%	
131	Unit 10	6 days	Mon 22/7/13	Mon 28/10/13	70%	130
132	Unit 11	6 days	Sun 28/7/13	Wed 30/10/13	65%	131
133	Unit 12	6 days	Sat 3/8/13	Thu 31/10/13	85%	132
134	**17th to 26th sty**	**92.7 days**	**Tue 30/7/13**	**Wed 30/10/13**	**88%**	
135	Unit 13 (other than tower crane area)	14 days	Tue 13/8/13	Wed 30/10/13	65%	136FS-1 day
136	Unit 14 (South elevation only-balance after PM hoist dismtl)	15 days	Tue 30/7/13	Sat 26/10/13	88%	
137	Unit 15	17 days	Wed 31/7/13	Fri 16/8/13	100%	136SS+1 day
138	Unit 16	11 days	Sat 17/8/13	Tue 27/8/13	100%	137
139	**27th to 29th sty**	**68.9 days**	**Tue 27/8/13**	**Sun 3/11/13**	**23%**	
140	Unit 13 (other than tower crane area)	8 days	Fri 25/10/13	Fri 1/11/13	0%	
141	Unit 14 (South elevation only-balance after PM hoist dismtl)	8 days	Wed 4/9/13	Mon 28/10/13	50%	140SS-5 days
142	Unit 15	11 days	Tue 27/8/13	Sun 3/11/13	10%	
143	Unit 16	4 days	Mon 2/9/13	Sat 2/11/13	50%	142FF-1 day
144	**1st to 6th sty**	**119.4 days**	**Tue 16/7/13**	**Tue 12/11/13**	**48%**	
145	Unit 9	16 days	Tue 16/7/13	Sun 3/11/13	40%	
146	Unit 10	16 days	Tue 16/7/13	Sun 3/11/13	40%	145SS
147	Unit 11	8 days	Mon 5/8/13	Tue 12/11/13	40%	146FS+4 days
148	Unit 12	8 days	Mon 5/8/13	Tue 29/10/13	40%	147SS
149	Unit 13 (include tower crane area)	16 days	Tue 13/8/13	Fri 8/11/13	40%	148
150	Unit 14 (include PM Hoist area)	16 days	Tue 13/8/13	Tue 29/10/13	71%	149SS
151	Unit 15	8 days	Thu 29/8/13	Sun 10/11/13	71%	149
152	Unit 16	8 days	Thu 29/8/13	Tue 29/10/13	40%	151SS
153	**Tower 2 External Cladding**	**118.04 days**	**Tue 16/7/13**	**Mon 11/11/13**	**85%**	
154	**7th to 16th sty**	**105.82 days**	**Tue 16/7/13**	**Tue 29/10/13**	**97%**	
155	Unit 1	10 days	Tue 16/7/13	Fri 25/10/13	99%	
156	Unit 2	11 days	Thu 25/7/13	Sun 27/10/13	79%	155FS-1 day
157	Unit 3	31 days	Tue 16/7/13	Fri 25/10/13	99%	
158	Unit 4(other than Tower crane area)	8 days	Fri 16/8/13	Fri 25/10/13	99%	157



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(Balance works completion for TOP)

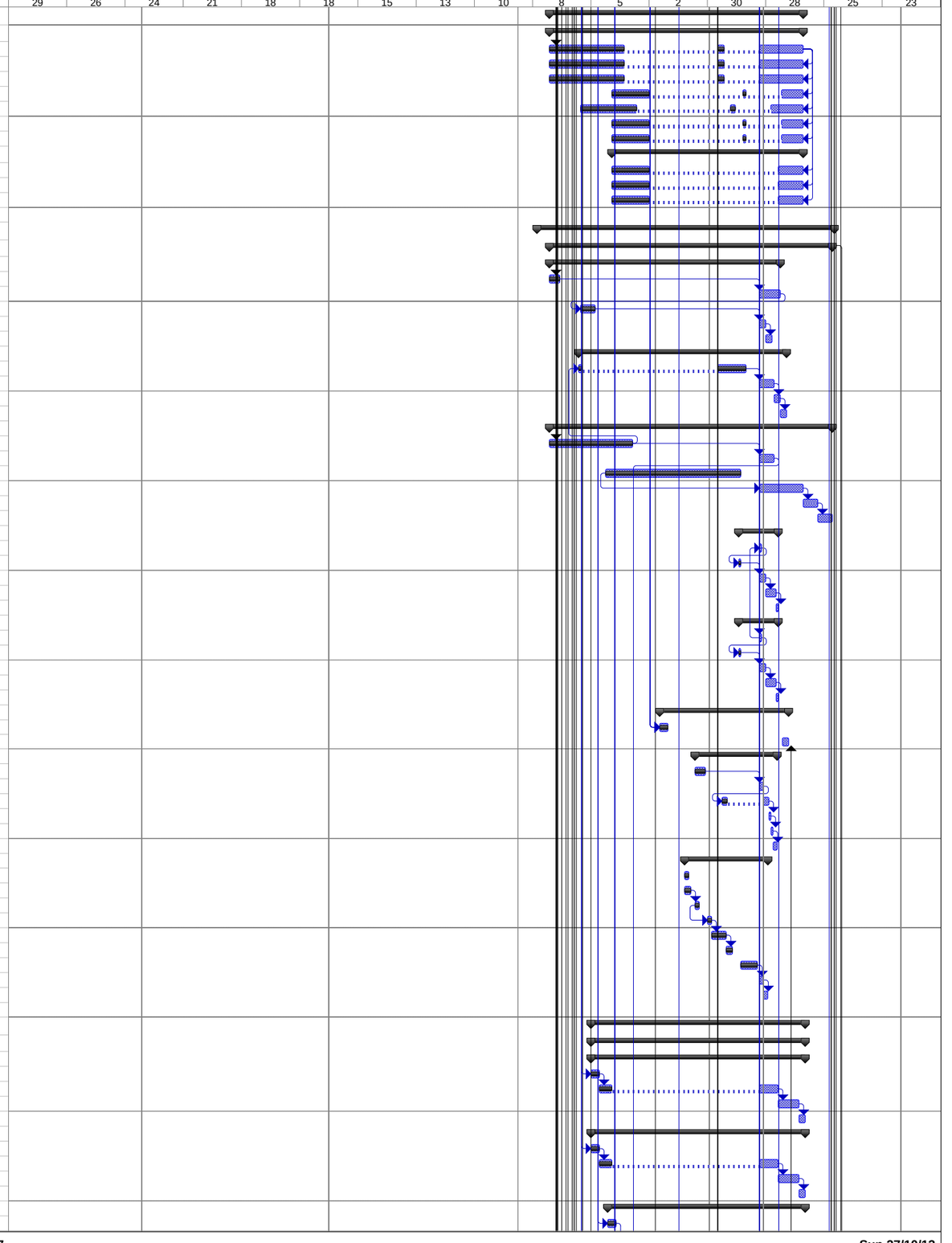
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
159	Unit 5	11 days	Wed 28/8/13	Tue 29/10/13	98%	158FS+4 days
160	Unit 6 (West elevation only-balance after PM hoist dismtl)	21 days	Sun 8/9/13	Tue 29/10/13	99%	159
161	Unit 7	17 days	Mon 9/9/13	Fri 25/10/13	99%	160SS+1 day
162	Unit 8	11 days	Thu 15/8/13	Fri 25/10/13	99%	158SS-1 day
163	**17th to 26th sty**	**102.17 days**	**Tue 16/7/13**	**Sat 26/10/13**	**98%**	
164	Unit 1	12 days	Tue 16/7/13	Sat 27/7/13	100%	
165	Unit 2	13 days	Sun 28/7/13	Fri 25/10/13	99%	164
166	Unit 3	13 days	Sat 10/8/13	Sat 26/10/13	92%	165
167	Unit 4(other than Tower crane area)	8 days	Fri 23/8/13	Fri 30/8/13	100%	166
168	Unit 5	11 days	Mon 5/8/13	Thu 15/8/13	100%	165FS-5 days
169	Unit 6 (West elevation only-balance after PM hoist dismtl)	21 days	Fri 16/8/13	Fri 25/10/13	96%	168
170	Unit 7	17 days	Fri 6/9/13	Sun 22/9/13	100%	169
171	Unit 8	13 days	Sun 15/9/13	Fri 27/9/13	100%	170FF+5 days
172	**27th to 36th sty**	**104.23 days**	**Fri 19/7/13**	**Thu 31/10/13**	**86%**	
173	Unit 1	10 days	Mon 22/7/13	Sat 26/10/13	87%	
174	Unit 2	8 days	Sat 27/7/13	Sun 27/10/13	65%	173SS+5 days
175	Unit 3	11 days	Thu 1/8/13	Tue 29/10/13	55%	174FS-3 days
176	Unit 4(other than Tower crane area)	6 days	Sun 11/8/13	Thu 31/10/13	62%	175FS-1 day
177	Unit 5	11 days	Tue 6/8/13	Fri 16/8/13	100%	174FS+2 days
178	Unit 6 (West elevation only-balance after PM hoist dismtl)	21 days	Fri 19/7/13	Sat 26/10/13	91%	173SS-3 days
179	Unit 7	17 days	Fri 9/8/13	Sun 25/8/13	100%	176SS-2 days
180	Unit 8	13 days	Wed 14/8/13	Mon 26/8/13	100%	175FS+2 days
181	**37th to 40st sty**	**78.04 days**	**Sun 25/8/13**	**Mon 11/11/13**	**43%**	
182	Unit 5	11 days	Sun 25/8/13	Thu 31/10/13	38%	179FS-1 day
183	Unit 6 (West elevation only-balance after PM hoist dismtl)	10 days	Thu 5/9/13	Tue 5/11/13	49%	182
184	Unit 7	5 days	Sun 15/9/13	Fri 8/11/13	40%	183
185	Unit 8	4 days	Fri 20/9/13	Mon 11/11/13	47%	184
186	**1st to 6th sty**	**113.8 days**	**Tue 16/7/13**	**Wed 6/11/13**	**65%**	
187	Unit 1	16 days	Tue 16/7/13	Thu 31/10/13	60%	
188	Unit 2	16 days	Tue 16/7/13	Thu 31/10/13	60%	187SS
189	Unit 3	8 days	Mon 5/8/13	Wed 6/11/13	70%	188FS+4 days
190	Unit 4 (include tower crane area)	8 days	Mon 5/8/13	Sun 27/10/13	70%	189SS
191	Unit 5	16 days	Tue 13/8/13	Fri 1/11/13	70%	190
192	Unit 6 (include PM Hoist area)	16 days	Tue 13/8/13	Wed 30/10/13	65%	191SS
193	Unit 7	8 days	Thu 29/8/13	Sun 3/11/13	65%	191
194	Unit 8	8 days	Thu 29/8/13	Sun 27/10/13	70%	193SS
195	**Podium External Cladding**	**150.76 days**	**Sat 29/6/13**	**Tue 26/11/13**	**72%**	
196	Zone 1	56 days	Sat 29/6/13	Sun 10/11/13	71%	
197	Zone 2	55 days	Sun 7/7/13	Mon 4/11/13	80%	196SS+8 days
198	Zone 3	67 days	Tue 9/7/13	Thu 14/11/13	69%	197SS+2 days
199	Zone 4	65 days	Sun 14/7/13	Mon 4/11/13	84%	198SS+5 days
200	Zone 5	2 days	Wed 17/7/13	Fri 25/10/13	73%	199SS+3 days
201	Zone 6	65 days	Thu 18/7/13	Mon 28/10/13	95%	200SS+1 day
202	Zone 7	64 days	Tue 23/7/13	Tue 24/9/13	100%	201SS+5 days
203	Zone 8	63 days	Sun 28/7/13	Tue 26/11/13	48%	202SS+5 days
204	Zone 9	55 days	Fri 2/8/13	Sat 9/11/13	71%	203SS+5 days
205	Zone 10	56 days	Tue 6/8/13	Sat 23/11/13	48%	204SS+4 days
206	Zone 11	52 days	Sat 10/8/13	Thu 21/11/13	48%	205SS+4 days
207	**Balance work in Bubble tank area**	**99.5 days**	**Sun 18/8/13**	**Mon 25/11/13**	**16%**	
208	Waterwall installation (Landscape Engg Schedule)	30 days	Sun 18/8/13	Sun 17/11/13	20%	8
209	M&E works for bubble tank (Landscape Engg Schedule)	45 days	Sun 18/8/13	Mon 25/11/13	30%	8
210	Granite cladding at bubble tank area 2 bay from T2 side (By Sibor)	30 days	Fri 25/10/13	Sat 23/11/13	0%	6
211	Granite cladding at bubble tank area right most bay T1 side (By Sibor)	15 days	Fri 25/10/13	Fri 8/11/13	0%	208SS+7 days
212	**Podium Swimming pool at 5th storey E-Deck**	**132.12 days**	**Sun 14/7/13**	**Sat 23/11/13**	**74%**	
213	Ponding Test For pool deck & other areas	15 days	Tue 16/7/13	Tue 30/7/13	100%	2
214	Water proofing & Protective screed for pool deck & other areas	15 days	Sat 20/7/13	Tue 29/10/13	70%	213SS+4 days
215	M & E 1st fix	7 days	Wed 31/7/13	Fri 1/11/13	90%	214FF+3 days
216	Swimming pool Dahalia glass mosaic for lap pool	15 days	Tue 16/7/13	Sat 26/10/13	90%	2
217	Swimming pool Dahalia glass mosaic for Kids pool	15 days	Wed 31/7/13	Sun 27/10/13	90%	216
218	SS railing & Pool ladder	3 days	Thu 15/8/13	Mon 28/10/13	90%	217
219	Water features	7 days	Sun 18/8/13	Fri 1/11/13	40%	218
220	M&E 2nd fix	5 days	Tue 10/9/13	Fri 1/11/13	90%	216,219,215
221	Stone work for E- deck	15 days	Fri 30/8/13	Wed 6/11/13	70%	220
222	landscape work	10 days	Wed 11/9/13	Tue 5/11/13	80%	221FS-3 days
223	Composite timber decking	10 days	Thu 12/9/13	Wed 30/10/13	45%	222SS+1 day
224	BBQ pit	5 days	Fri 25/10/13	Wed 30/10/13	0%	223FF
225	Shower stand	3 days	Sun 27/10/13	Wed 30/10/13	0%	224FF
226	M&E final fix	3 days	Sun 27/10/13	Wed 30/10/13	0%	223FF
227	Over flow drain grating	3 days	Sun 27/10/13	Wed 30/10/13	0%	226SS
228	Swimming pool system installation	70 days	Sun 14/7/13	Fri 18/10/13	100%	226FF
229	Testing & Commissioning	4 days	Fri 25/10/13	Mon 28/10/13	0%	228
230	Galss canopy from swimming pool to all Podium lift lobby	3 days	Wed 20/11/13	Sat 23/11/13	0%	205FF,206FF
231	Trellis adjacent to swimming pool area	10 days	Wed 13/11/13	Sat 23/11/13	0%	205FF,206FF
232						
233	**Podium 5th storey Bondek slab fire proofing**	**38 days**	**Sat 5/10/13**	**Mon 11/11/13**	**22%**	
234	Finalise the contractor	5 days	Sat 5/10/13	Wed 9/10/13	100%	2
235	Material approval	7 days	Fri 25/10/13	Thu 31/10/13	0%	234
236	Errect scaffolding	4 days	Fri 1/11/13	Mon 4/11/13	0%	235
237	Apply fire proof for the bondek slab I-beams	5 days	Tue 5/11/13	Sat 9/11/13	0%	236
238	Dismantle scaffold	2 days	Sun 10/11/13	Mon 11/11/13	0%	237
239						



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(Balance works completion for TOP)

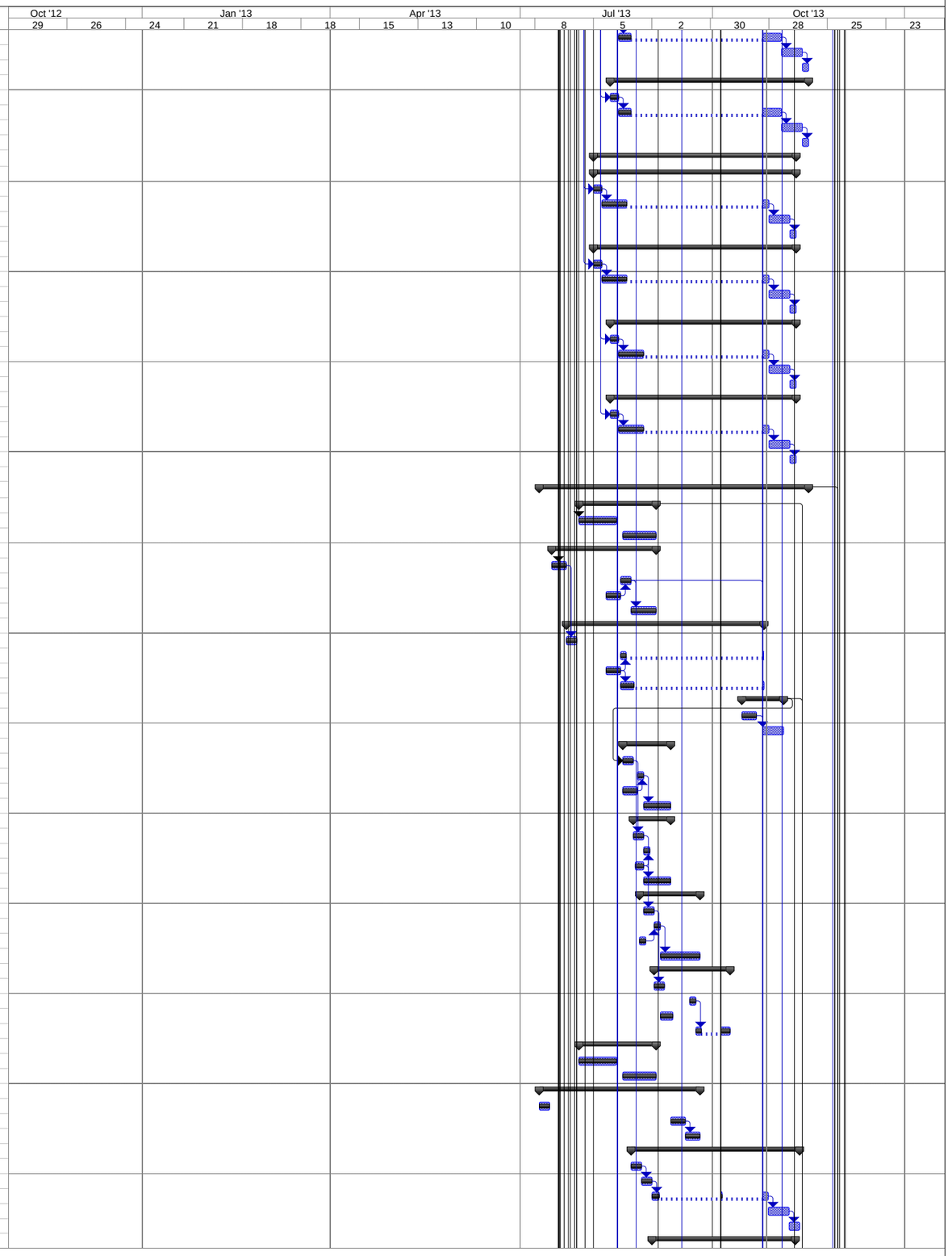
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
240	**Common facilities at 5th storey**	**122 days**	**Tue 16/7/13**	**Thu 14/11/13**	**64%**	
241	**Tower-1**	**122 days**	**Tue 16/7/13**	**Thu 14/11/13**	**65%**	
242	Sauna	60 days	Tue 16/7/13	Thu 14/11/13	65%	2
243	Male changing room	60 days	Tue 16/7/13	Thu 14/11/13	65%	242FF
244	Female changing room	60 days	Tue 16/7/13	Thu 14/11/13	65%	242FF
245	Steam Room	30 days	Thu 15/8/13	Thu 14/11/13	65%	242FF
246	SPA	45 days	Wed 31/7/13	Thu 14/11/13	65%	242FF
247	HCAP Toilet	30 days	Thu 15/8/13	Thu 14/11/13	65%	242FF
248	Communal Gym	30 days	Thu 15/8/13	Thu 14/11/13	65%	242FF
249	**Tower-2**	**92 days**	**Thu 15/8/13**	**Thu 14/11/13**	**60%**	
250	Communal Lounge	30 days	Thu 15/8/13	Thu 14/11/13	60%	242FF
251	Admin office	30 days	Thu 15/8/13	Thu 14/11/13	60%	242FF
252	Club house	30 days	Thu 15/8/13	Thu 14/11/13	60%	242FF
253						
254	**EXTERNAL & LANDSCAPING WORKS**	**143 days**	**Wed 10/7/13**	**Fri 29/11/13**	**47%**	
255	**External Areas (including Archi & M&E works)**	**136 days**	**Tue 16/7/13**	**Thu 28/11/13**	**62%**	
256	**Tower Sky Bridge**	**111 days**	**Tue 16/7/13**	**Sun 3/11/13**	**43%**	
257	Metal grating deck	5 days	Tue 16/7/13	Sat 20/7/13	100%	2
258	Cladding	10 days	Fri 25/10/13	Sun 3/11/13	0%	257
259	SS. Patch fitting & Glass awning	7 days	Wed 31/7/13	Tue 6/8/13	100%	258
260	Granite Deck	3 days	Fri 25/10/13	Sun 27/10/13	0%	259
261	Glass Balustrade & SS railing	3 days	Mon 28/10/13	Wed 30/10/13	0%	260
262	**TA3 Lift well & Metal staicase**	**100 days**	**Tue 30/7/13**	**Wed 6/11/13**	**54%**	
263	Installation of metal staircase	15 days	Tue 30/7/13	Fri 18/10/13	100%	268FS-7 days
264	Cladding around the lift well TA3	7 days	Fri 25/10/13	Thu 31/10/13	0%	263
265	Granite steps	3 days	Fri 1/11/13	Sun 3/11/13	0%	264
266	SS. Patch fitting & Glass awning	3 days	Mon 4/11/13	Wed 6/11/13	0%	265
267	**MRT Link Overhead Bridge**	**136 days**	**Tue 16/7/13**	**Thu 28/11/13**	**71%**	
268	Steel CHS frame installation on site (balance work)	40 days	Tue 16/7/13	Sat 24/8/13	100%	2
269	Metal grating deck by Yunda	7 days	Fri 25/10/13	Thu 31/10/13	0%	268
270	SS. Patch fitting & Glass awning	65 days	Mon 12/8/13	Tue 15/10/13	100%	
271	Cladding	21 days	Fri 25/10/13	Thu 14/11/13	0%	270SS+3 days
272	Granite Deck by Simbor	7 days	Fri 15/11/13	Thu 21/11/13	0%	271
273	Glass Balustrade & SS railing	7 days	Fri 22/11/13	Thu 28/11/13	0%	272
274	**Guard houses 1 - Near Tower 1**	**19 days**	**Tue 15/10/13**	**Sat 2/11/13**	**9%**	
275	Door frame	1 day	Fri 25/10/13	Fri 25/10/13	0%	281SS
276	Window outer frame	1 day	Tue 15/10/13	Tue 15/10/13	100%	275
277	Internal plastering	3 days	Fri 25/10/13	Sun 27/10/13	0%	276
278	External clading + window inner frame & Glazing	5 days	Mon 28/10/13	Fri 1/11/13	0%	277
279	Door panel	1 day	Sat 2/11/13	Sat 2/11/13	0%	278
280	**Guard houses 2 - At Podium**	**19 days**	**Tue 15/10/13**	**Sat 2/11/13**	**9%**	
281	Door frame	1 day	Fri 25/10/13	Fri 25/10/13	0%	114
282	Window outer frame	1 day	Tue 15/10/13	Tue 15/10/13	100%	281
283	Internal plastering	3 days	Fri 25/10/13	Sun 27/10/13	0%	282
284	External clading + window inner frame & Glazing	5 days	Mon 28/10/13	Fri 1/11/13	0%	283
285	Door panel	1 day	Sat 2/11/13	Sat 2/11/13	0%	284
286	**1st sty drop-off canopy**	**62 days**	**Sat 7/9/13**	**Thu 7/11/13**	**57%**	
287	Structural frame for the glass canopy	4 days	Sat 7/9/13	Tue 10/9/13	100%	142,151,188,174
288	Glass canopy	3 days	Tue 5/11/13	Thu 7/11/13	0%	458
289	**Bin Centre**	**39.5 days**	**Tue 24/9/13**	**Sat 2/11/13**	**47%**	
290	Brick wall	5 days	Tue 24/9/13	Sat 28/9/13	100%	
291	Door frame	2 days	Fri 25/10/13	Sat 26/10/13	0%	290
292	Plastering (Internal & External)	5 days	Mon 7/10/13	Tue 29/10/13	50%	291
293	Floor grating	1 day	Tue 29/10/13	Wed 30/10/13	0%	292
294	Floor finish	1 day	Wed 30/10/13	Thu 31/10/13	0%	293
295	Door panel & shutters	2 days	Thu 31/10/13	Sat 2/11/13	0%	294
296	**Modification of floor and roof at Nicoll Highway link bridge**	**40 days**	**Thu 19/9/13**	**Mon 28/10/13**	**87%**	
297	Installation of Hoarding and Signage	2 days	Thu 19/9/13	Fri 20/9/13	100%	
298	Errect scaffolding	3 days	Thu 19/9/13	Sat 21/9/13	100%	
299	Hacking of Existing floorslab	2 days	Tue 24/9/13	Wed 25/9/13	100%	298
300	Fabrication of platform	2 days	Mon 30/9/13	Tue 1/10/13	100%	299SS+1 day
301	Installation of Platform	7 days	Wed 2/10/13	Tue 8/10/13	100%	300
302	Dismantling of Roof	3 days	Wed 9/10/13	Fri 11/10/13	100%	301
303	Installation of Roof	8 days	Wed 16/10/13	Wed 23/10/13	100%	
304	Pebble wash floor	2 days	Fri 25/10/13	Sat 26/10/13	0%	303
305	Dismantling of Scaffold, Hoarding	2 days	Sun 27/10/13	Mon 28/10/13	0%	304
306						
307	**Glass lighting pod**	**103 days**	**Mon 5/8/13**	**Fri 15/11/13**	**41%**	
308	**Tower 1**	**103 days**	**Mon 5/8/13**	**Fri 15/11/13**	**31%**	
309	**Unit 11**	**103 days**	**Mon 5/8/13**	**Fri 15/11/13**	**31%**	
310	Errect scaffold	4 days	Mon 5/8/13	Thu 8/8/13	100%	147SS
311	Fix glass pod	15 days	Fri 9/8/13	Sat 2/11/13	40%	310
312	M&E works including fixing lights + T&C	10 days	Sun 3/11/13	Tue 12/11/13	0%	311
313	Dismantle scaffold	3 days	Wed 13/11/13	Fri 15/11/13	0%	312
314	**Unit 12**	**103 days**	**Mon 5/8/13**	**Fri 15/11/13**	**31%**	
315	Errect scaffol	4 days	Mon 5/8/13	Thu 8/8/13	100%	148SS
316	Fix glass pod	15 days	Fri 9/8/13	Sat 2/11/13	40%	315
317	M&E works including fixing lights + T&C	10 days	Sun 3/11/13	Tue 12/11/13	0%	316
318	Dismantle scaffol	3 days	Wed 13/11/13	Fri 15/11/13	0%	317
319	**Unit 13**	**95 days**	**Tue 13/8/13**	**Fri 15/11/13**	**31%**	
320	Errect scaffold	4 days	Tue 13/8/13	Fri 16/8/13	100%	149SS



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(Balance works completion for TOP)

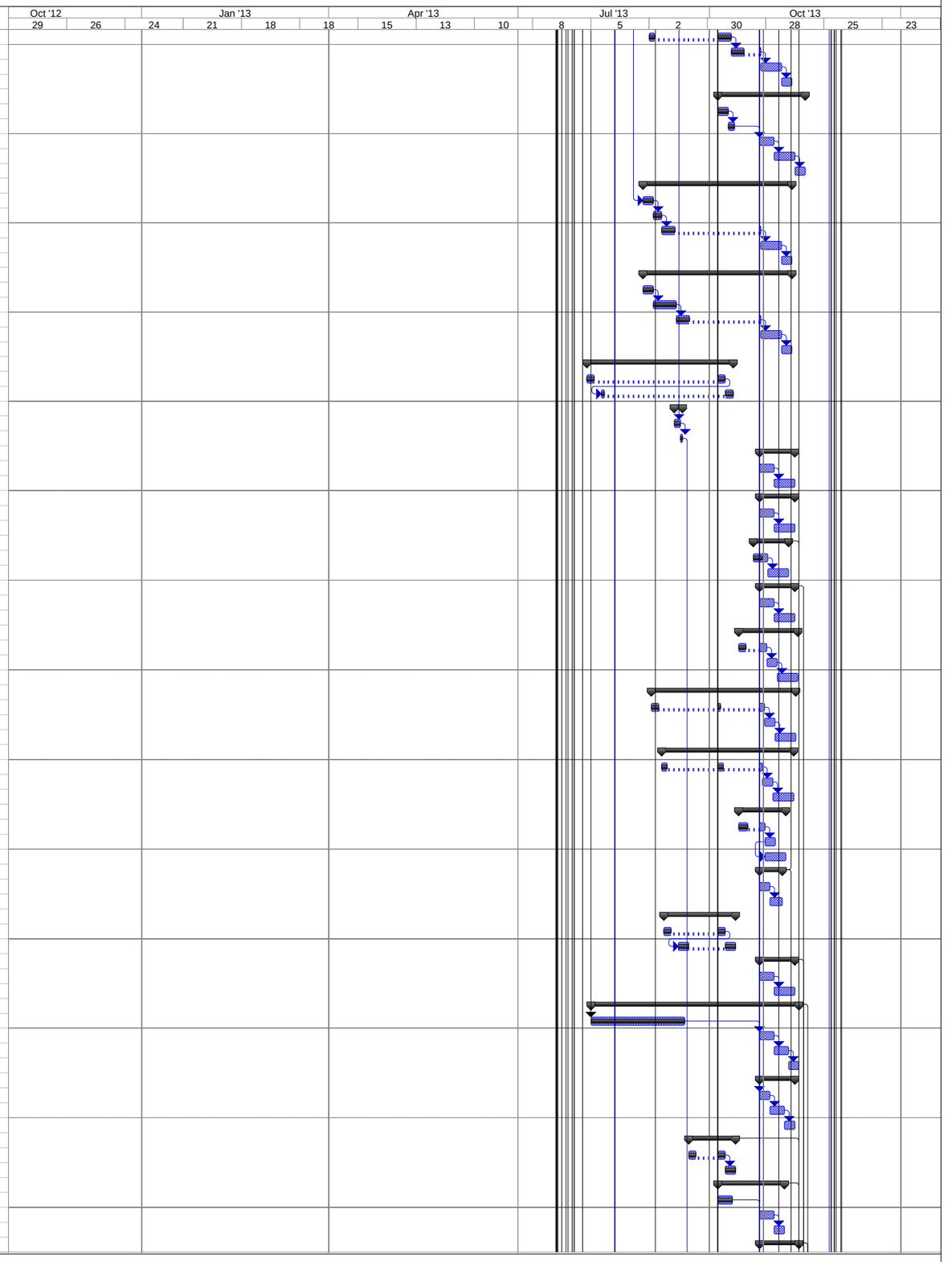
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
321	Fix glass pod	15 days	Sat 17/8/13	Sat 2/11/13	40%	320
322	M&E works including fixing lights + T&C	10 days	Sun 3/11/13	Tue 12/11/13	0%	321
323	Dismantle scaffold	3 days	Wed 13/11/13	Fri 15/11/13	0%	322
324	**Unit 14**	**95 days**	**Tue 13/8/13**	**Fri 15/11/13**	**31%**	
325	Errect scaffold	4 days	Tue 13/8/13	Fri 16/8/13	100%	150SS
326	Fix glass pod	15 days	Sat 17/8/13	Sat 2/11/13	40%	325
327	M&E works including fixing lights + T&C	10 days	Sun 3/11/13	Tue 12/11/13	0%	326
328	Dismantle scaffold	3 days	Wed 13/11/13	Fri 15/11/13	0%	327
329	**Tower 2**	**97 days**	**Mon 5/8/13**	**Sat 9/11/13**	**50%**	
330	**Unit 3**	**97 days**	**Mon 5/8/13**	**Sat 9/11/13**	**50%**	
331	Errect scaffold	4 days	Mon 5/8/13	Thu 8/8/13	100%	189SS
332	Fix glass pod	15 days	Fri 9/8/13	Sun 27/10/13	80%	331
333	M&E works including fixing lights + T&C	10 days	Mon 28/10/13	Wed 6/11/13	0%	332
334	Dismantle scaffold	3 days	Thu 7/11/13	Sat 9/11/13	0%	333
335	**Unit 4**	**97 days**	**Mon 5/8/13**	**Sat 9/11/13**	**50%**	
336	Errect scaffold	4 days	Mon 5/8/13	Thu 8/8/13	100%	190SS
337	Fix glass pod	15 days	Fri 9/8/13	Sun 27/10/13	80%	336
338	M&E works including fixing lights + T&C	10 days	Mon 28/10/13	Wed 6/11/13	0%	337
339	Dismantle scaffold	3 days	Thu 7/11/13	Sat 9/11/13	0%	338
340	**Unit 5**	**89 days**	**Tue 13/8/13**	**Sat 9/11/13**	**50%**	
341	Errect scaffold	4 days	Tue 13/8/13	Fri 16/8/13	100%	191SS
342	Fix glass pod	15 days	Sat 17/8/13	Sun 27/10/13	80%	341
343	M&E works including fixing lights + T&C	10 days	Mon 28/10/13	Wed 6/11/13	0%	342
344	Dismantle scaffold	3 days	Thu 7/11/13	Sat 9/11/13	0%	343
345	**Unit 6**	**89 days**	**Tue 13/8/13**	**Sat 9/11/13**	**50%**	
346	Errect scaffold	4 days	Tue 13/8/13	Fri 16/8/13	100%	192SS
347	Fix glass pod	15 days	Sat 17/8/13	Sun 27/10/13	80%	346
348	M&E works including fixing lights + T&C	10 days	Mon 28/10/13	Wed 6/11/13	0%	347
349	Dismantle scaffold	3 days	Thu 7/11/13	Sat 9/11/13	0%	348
350						
351	**1st sty granite finishes**	**129 days**	**Wed 10/7/13**	**Fri 15/11/13**	**58%**	
352	**Zone 1**	**37 days**	**Mon 29/7/13**	**Tue 3/9/13**	**100%**	
353	Water proof & Protective screed	18 days	Mon 29/7/13	Thu 15/8/13	100%	2
354	Lay stone/granite	16 days	Mon 19/8/13	Tue 3/9/13	100%	
355	**Zone 2**	**50 days**	**Tue 16/7/13**	**Tue 3/9/13**	**100%**	
356	Removal of existing finishes	7 days	Tue 16/7/13	Mon 22/7/13	100%	2
357	Top up concrete to the finish level	5 days	Sun 18/8/13	Thu 22/8/13	100%	358
358	Water proof & Protective screed	7 days	Sun 11/8/13	Sat 17/8/13	100%	
359	Lay stone/granite	12 days	Fri 23/8/13	Tue 3/9/13	100%	357
360	**Zone 4**	**94.7 days**	**Tue 23/7/13**	**Fri 25/10/13**	**95%**	
361	Removal of existing finishes	5 days	Tue 23/7/13	Sat 27/7/13	100%	356
362	Top up concrete to the finish level	3 days	Sun 18/8/13	Fri 25/10/13	90%	363
363	Water proof & Protective screed	7 days	Sun 11/8/13	Sat 17/8/13	100%	
364	Lay stone/granite	7 days	Sun 18/8/13	Fri 25/10/13	90%	363
365	**Zone 5**	**20 days**	**Tue 15/10/13**	**Sun 3/11/13**	**41%**	
366	Water proof & Protective screed	7 days	Tue 15/10/13	Mon 21/10/13	100%	
367	Lay stone/granite	10 days	Fri 25/10/13	Sun 3/11/13	0%	366
368	**Zone 6**	**23 days**	**Mon 19/8/13**	**Tue 10/9/13**	**100%**	
369	Removal of existing finishes	5 days	Mon 19/8/13	Fri 23/8/13	100%	365
370	Top up concrete to the finish level	3 days	Mon 26/8/13	Wed 28/8/13	100%	371
371	Water proof & Protective screed	7 days	Mon 19/8/13	Sun 25/8/13	100%	
372	Lay stone/granite	13 days	Thu 29/8/13	Tue 10/9/13	100%	370
373	**Zone 7**	**18 days**	**Sat 24/8/13**	**Tue 10/9/13**	**100%**	
374	Removal of existing finishes	5 days	Sat 24/8/13	Wed 28/8/13	100%	369
375	Top up concrete to the finish level	3 days	Thu 29/8/13	Sat 31/8/13	100%	376
376	Water proof & Protective screed	4 days	Sun 25/8/13	Wed 28/8/13	100%	
377	Lay stone/granite	13 days	Thu 29/8/13	Tue 10/9/13	100%	376
378	**Zone 8**	**29 days**	**Tue 27/8/13**	**Tue 24/9/13**	**100%**	
379	Removal of existing finishes	5 days	Thu 29/8/13	Mon 2/9/13	100%	374
380	Top up concrete to the finish level	3 days	Tue 3/9/13	Thu 5/9/13	100%	381
381	Water proof & Protective screed	3 days	Tue 27/8/13	Thu 29/8/13	100%	
382	Lay stone/granite	19 days	Fri 6/9/13	Tue 24/9/13	100%	380
383	**Zone 9**	**36.2 days**	**Tue 3/9/13**	**Wed 9/10/13**	**100%**	
384	Removal of existing finishes	5 days	Tue 3/9/13	Sat 7/9/13	100%	379
385	Top up concrete to the finish level	3 days	Fri 20/9/13	Sun 22/9/13	100%	
386	Water proof & Protective screed	6 days	Fri 6/9/13	Wed 11/9/13	100%	
387	Lay stone/granite	7 days	Mon 23/9/13	Wed 9/10/13	100%	385
388	**Zone 10**	**37 days**	**Mon 29/7/13**	**Tue 3/9/13**	**100%**	
389	Water proof & Protective screed	18 days	Mon 29/7/13	Thu 15/8/13	100%	
390	Lay stone/granite	16 days	Mon 19/8/13	Tue 3/9/13	100%	
391	**Zone 11**	**77 days**	**Wed 10/7/13**	**Tue 24/9/13**	**100%**	
392	Structural ponding test	5 days	Wed 10/7/13	Sun 14/7/13	100%	
393	Water proof & Protective screed	7 days	Wed 11/9/13	Tue 17/9/13	100%	
394	Lay stone/granite	7 days	Wed 18/9/13	Tue 24/9/13	100%	393
395	**Zone 12**	**80.8 days**	**Fri 23/8/13**	**Mon 11/11/13**	**44%**	
396	Structural ponding test	5 days	Fri 23/8/13	Tue 27/8/13	100%	
397	Water proof & Protective screed	5 days	Wed 28/8/13	Sun 1/9/13	100%	396
398	Lay stone/granite	7 days	Mon 2/9/13	Sun 27/10/13	60%	397
399	Water features work	10 days	Sun 27/10/13	Wed 6/11/13	0%	398
400	Landscape works	5 days	Wed 6/11/13	Mon 11/11/13	0%	399
401	**Zone 13**	**68.7 days**	**Mon 2/9/13**	**Sat 9/11/13**	**49%**	



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ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
402	Water proof & Protective screed	9 days	Mon 2/9/13	Fri 11/10/13	100%	
403	Lay stone/granite	7 days	Fri 11/10/13	Fri 25/10/13	90%	402
404	Water features work	10 days	Fri 25/10/13	Mon 4/11/13	0%	403
405	Landscape works	5 days	Mon 4/11/13	Sat 9/11/13	0%	404
406	**Zone 14**	**42 days**	**Sat 5/10/13**	**Fri 15/11/13**	**27%**	
407	Structural ponding test	5 days	Sat 5/10/13	Wed 9/10/13	100%	
408	Water proof & Protective screed	3 days	Thu 10/10/13	Sat 12/10/13	100%	407
409	Lay stone/granite	7 days	Fri 25/10/13	Thu 31/10/13	0%	408
410	Water features work	10 days	Fri 1/11/13	Sun 10/11/13	0%	409
411	Landscape works	5 days	Mon 11/11/13	Fri 15/11/13	0%	410
412	**Zone 15**	**71.7 days**	**Fri 30/8/13**	**Sat 9/11/13**	**49%**	
413	Structural ponding test	5 days	Fri 30/8/13	Tue 3/9/13	100%	269
414	Water proof & Protective screed	4 days	Wed 4/9/13	Sat 7/9/13	100%	413
415	Lay stone/granite	7 days	Sun 8/9/13	Fri 25/10/13	90%	414
416	Water features work	10 days	Fri 25/10/13	Mon 4/11/13	0%	415
417	Landscape works	5 days	Mon 4/11/13	Sat 9/11/13	0%	416
418	**Zone 16**	**71.7 days**	**Fri 30/8/13**	**Sat 9/11/13**	**59%**	
419	Structural ponding test	5 days	Fri 30/8/13	Tue 3/9/13	100%	
420	Water proof & Protective screed	11 days	Wed 4/9/13	Sat 14/9/13	100%	419
421	Lay stone/granite	7 days	Sun 15/9/13	Fri 25/10/13	90%	420
422	Water features work	10 days	Fri 25/10/13	Mon 4/11/13	0%	421
423	Landscape works	5 days	Mon 4/11/13	Sat 9/11/13	0%	422
424	**Zone 17 (New slab area)**	**70.25 days**	**Sat 3/8/13**	**Sat 12/10/13**	**100%**	
425	Water proof & Protective screed (Except TC2 area)	7 days	Sat 3/8/13	Tue 8/10/13	100%	
426	Lay stone/granite (Except TC2 area)	5 days	Sat 10/8/13	Sat 12/10/13	100%	425
427	**Tower crane TC2 area**	**4 days**	**Sat 14/9/13**	**Tue 17/9/13**	**100%**	
428	Structural ponding test	3 days	Sat 14/9/13	Mon 16/9/13	100%	36
429	Water proof & Protective screed	1 day	Tue 17/9/13	Tue 17/9/13	100%	428
430	**Zone 18**	**17 days**	**Fri 25/10/13**	**Sun 10/11/13**	**0%**	
431	Water proof & Protective screed	7 days	Fri 25/10/13	Thu 31/10/13	0%	
432	Lay stone/granite	10 days	Fri 1/11/13	Sun 10/11/13	0%	431
433	**Zone 19**	**17 days**	**Fri 25/10/13**	**Sun 10/11/13**	**0%**	
434	Water proof & Protective screed	7 days	Fri 25/10/13	Thu 31/10/13	0%	
435	Lay stone/granite	10 days	Fri 1/11/13	Sun 10/11/13	0%	434
436	**Zone 20**	**17 days**	**Tue 22/10/13**	**Thu 7/11/13**	**25%**	
437	Water proof & Protective screed	7 days	Tue 22/10/13	Mon 28/10/13	60%	
438	Lay stone/granite	10 days	Tue 29/10/13	Thu 7/11/13	0%	437
439	**Zone 21**	**17 days**	**Fri 25/10/13**	**Sun 10/11/13**	**0%**	
440	Water proof & Protective screed	7 days	Fri 25/10/13	Thu 31/10/13	0%	
441	Lay stone/granite	10 days	Fri 1/11/13	Sun 10/11/13	0%	440
442	**Zone 22**	**28.5 days**	**Tue 15/10/13**	**Tue 12/11/13**	**16%**	
443	Water proof & Protective screed	7 days	Tue 15/10/13	Mon 28/10/13	50%	
444	Lay stone/granite	5 days	Mon 28/10/13	Sat 2/11/13	0%	443
445	Water features work	10 days	Sat 2/11/13	Tue 12/11/13	0%	444
446	**Zone 23**	**69.45 days**	**Tue 3/9/13**	**Mon 11/11/13**	**21%**	
447	Water proof & Protective screed	7 days	Tue 3/9/13	Sun 27/10/13	65%	
448	Lay stone/granite	5 days	Sun 27/10/13	Fri 1/11/13	0%	447
449	Landscape work	10 days	Fri 1/11/13	Mon 11/11/13	0%	448
450	**Zone 24**	**63.4 days**	**Sun 8/9/13**	**Sun 10/11/13**	**25%**	
451	Water proof & Protective screed	7 days	Sun 8/9/13	Sat 26/10/13	80%	
452	Lay stone/granite	5 days	Sat 26/10/13	Thu 31/10/13	0%	451
453	Landscape work	10 days	Thu 31/10/13	Sun 10/11/13	0%	452
454	**Zone 26 (Bubble tank)**	**22.8 days**	**Tue 15/10/13**	**Wed 6/11/13**	**19%**	
455	Water proof & Protective screed	7 days	Tue 15/10/13	Sun 27/10/13	60%	
456	Lay stone/granite	5 days	Sun 27/10/13	Fri 1/11/13	0%	455
457	Water features work	10 days	Sun 27/10/13	Wed 6/11/13	0%	456SS
458	**Zone 25 (Draop off point)**	**11 days**	**Fri 25/10/13**	**Mon 4/11/13**	**0%**	
459	Water proof & Protective screed	5 days	Fri 25/10/13	Tue 29/10/13	0%	
460	Lay stone/granite	6 days	Wed 30/10/13	Mon 4/11/13	0%	459
461	**Zone 27**	**34.5 days**	**Mon 9/9/13**	**Sun 13/10/13**	**100%**	
462	Water proof & Protective screed	7 days	Mon 9/9/13	Tue 8/10/13	100%	
463	Lay stone/granite	10 days	Mon 16/9/13	Sun 13/10/13	100%	462
464	**Zone 28**	**17 days**	**Fri 25/10/13**	**Sun 10/11/13**	**0%**	
465	Water proof & Protective screed	7 days	Fri 25/10/13	Thu 31/10/13	0%	
466	Lay stone/granite	10 days	Fri 1/11/13	Sun 10/11/13	0%	465
467	**Zone 29 (after completion of Gate 2 ramp RC work)**	**100 days**	**Mon 5/8/13**	**Tue 12/11/13**	**70%**	
468	Gate 2 ramp RC work	45 days	Mon 5/8/13	Wed 18/9/13	100%	2FS+10 days
469	Remove existing finishes	7 days	Fri 25/10/13	Thu 31/10/13	0%	468
470	Water proof & Protective screed	7 days	Fri 1/11/13	Thu 7/11/13	0%	469
471	Lay stone/granite	5 days	Fri 8/11/13	Tue 12/11/13	0%	470
472	**Zone 29a**	**17 days**	**Fri 25/10/13**	**Sun 10/11/13**	**0%**	
473	Area preparation	5 days	Fri 25/10/13	Tue 29/10/13	0%	357
474	Water proof & Protective screed	7 days	Wed 30/10/13	Tue 5/11/13	0%	473
475	Lay stone/granite	5 days	Wed 6/11/13	Sun 10/11/13	0%	474
476	**Zone 30**	**22.5 days**	**Sat 21/9/13**	**Sun 13/10/13**	**100%**	
477	Water proof & Protective screed	7 days	Sat 21/9/13	Tue 8/10/13	100%	
478	Lay stone/granite	5 days	Tue 8/10/13	Sun 13/10/13	100%	477
479	**Zone 31**	**32 days**	**Sat 5/10/13**	**Tue 5/11/13**	**37%**	
480	Remove existing finishes	7 days	Sat 5/10/13	Fri 11/10/13	100%	
481	Water proof & Protective screed	7 days	Fri 25/10/13	Thu 31/10/13	0%	
482	Lay stone/granite	5 days	Fri 1/11/13	Tue 5/11/13	0%	481
483	**Zone 32**	**19 days**	**Fri 25/10/13**	**Tue 12/11/13**	**0%**	

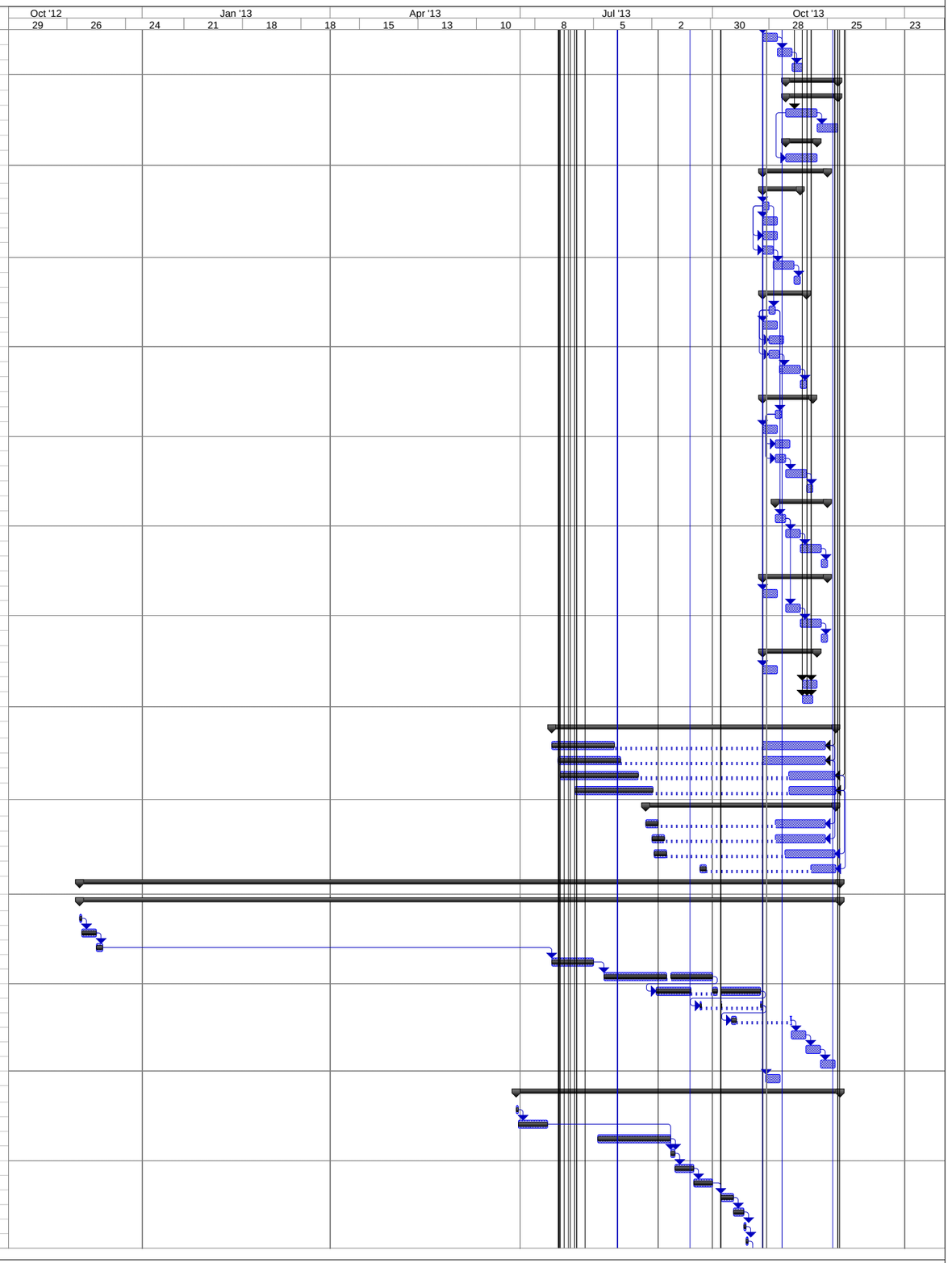


Sun 27/10/13

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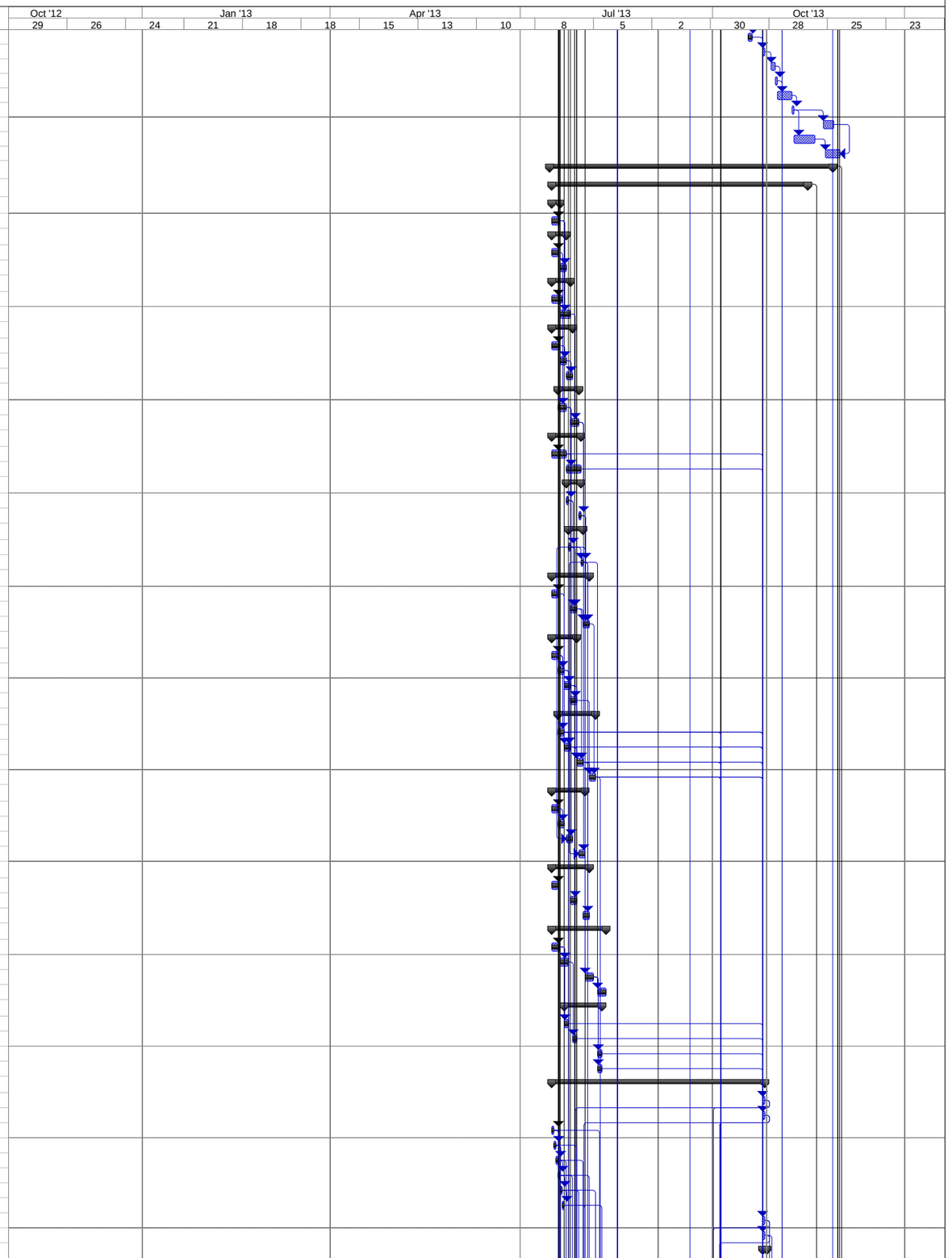
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
484	Remove existing finishes	7 days	Fri 25/10/13	Thu 31/10/13	0%	480
485	Water proof & Protective screed	7 days	Fri 1/11/13	Thu 7/11/13	0%	484
486	Lay stone/granite	5 days	Fri 8/11/13	Tue 12/11/13	0%	485
487	**Area adjacent to Beach raod**	**25 days**	**Tue 5/11/13**	**Fri 29/11/13**	**0%**	
488	**Zone 33**	**25 days**	**Tue 5/11/13**	**Fri 29/11/13**	**0%**	
489	Rebuild the planters, benches & stone works	15 days	Tue 5/11/13	Tue 19/11/13	0%	458
490	Landscape	10 days	Wed 20/11/13	Fri 29/11/13	0%	489
491	**Zone 34**	**15 days**	**Tue 5/11/13**	**Tue 19/11/13**	**0%**	
492	Necessary finishes to zone-33	15 days	Tue 5/11/13	Tue 19/11/13	0%	489SS
493	**Carpark finishes & Direction marking**	**31 days**	**Fri 25/10/13**	**Sun 24/11/13**	**0%**	
494	**4th sty**	**18 days**	**Fri 25/10/13**	**Mon 11/11/13**	**0%**	
495	Clear material storage	3 days	Fri 25/10/13	Sun 27/10/13	0%	98FS-15 days
496	Balance M&E works	7 days	Fri 25/10/13	Thu 31/10/13	0%	99FS+5 days
497	SS railing & SS bicycle racks	7 days	Fri 25/10/13	Thu 31/10/13	0%	495SS
498	Clean up & floor rectification	5 days	Fri 25/10/13	Tue 29/10/13	0%	495SS
499	Epoxy paint to 3rd sty floor, parking lot & direction arrows markings, etc.	10 days	Wed 30/10/13	Fri 8/11/13	0%	498
500	Wheel stoper	3 days	Sat 9/11/13	Mon 11/11/13	0%	499
501	**3rd sty**	**21 days**	**Fri 25/10/13**	**Thu 14/11/13**	**0%**	
502	Clear material storage	3 days	Mon 28/10/13	Wed 30/10/13	0%	495
503	Balance M&E works	7 days	Fri 25/10/13	Thu 31/10/13	0%	98FS+5 days
504	SS railing & SS bicycle racks	7 days	Mon 28/10/13	Sun 3/11/13	0%	502SS
505	Clean up & floor rectification	5 days	Mon 28/10/13	Fri 1/11/13	0%	502SS
506	Epoxy paint to 2nd sty floor, parking lot & direction arrows markings, etc.	10 days	Sat 2/11/13	Mon 11/11/13	0%	505
507	Wheel stoper	3 days	Tue 12/11/13	Thu 14/11/13	0%	506
508	**2nd sty**	**24 days**	**Fri 25/10/13**	**Sun 17/11/13**	**0%**	
509	Clear material storage	3 days	Thu 31/10/13	Sat 2/11/13	0%	502
510	Balance M&E works	7 days	Fri 25/10/13	Thu 31/10/13	0%	97FS+5 days
511	SS railing & SS bicycle racks	7 days	Thu 31/10/13	Wed 6/11/13	0%	509SS
512	Clean up & floor rectification	5 days	Thu 31/10/13	Mon 4/11/13	0%	509SS
513	Epoxy paint to 4th sty floor, parking lot & direction arrows markings, etc	10 days	Tue 5/11/13	Thu 14/11/13	0%	512
514	Wheel stoper	3 days	Fri 15/11/13	Sun 17/11/13	0%	513
515	**Basement 2**	**25 days**	**Thu 31/10/13**	**Sun 24/11/13**	**0%**	
516	Clear material storage	5 days	Thu 31/10/13	Mon 4/11/13	0%	502
517	Clean up & floor rectification	7 days	Tue 5/11/13	Mon 11/11/13	0%	516
518	Epoxy paint to B2 floor, parking lot & direction arrows markings, etc.	10 days	Tue 12/11/13	Thu 21/11/13	0%	517
519	Wheel stoper	3 days	Fri 22/11/13	Sun 24/11/13	0%	518
520	**Basement 1**	**31 days**	**Fri 25/10/13**	**Sun 24/11/13**	**0%**	
521	Balance M&E works	7 days	Fri 25/10/13	Thu 31/10/13	0%	95FS+5 days
522	Clean up & floor rectification	7 days	Tue 5/11/13	Mon 11/11/13	0%	516
523	Epoxy paint to B1 floor, parking lot & direction arrows markings, etc.	10 days	Tue 12/11/13	Thu 21/11/13	0%	522
524	Wheel stoper	3 days	Fri 22/11/13	Sun 24/11/13	0%	523
525	**1st st**	**26 days**	**Fri 25/10/13**	**Tue 19/11/13**	**0%**	
526	Balance M&E works	7 days	Fri 25/10/13	Thu 31/10/13	0%	94FS+5 days
527	1st sty parking lot & direction arrows markings in the podium	7 days	Wed 13/11/13	Tue 19/11/13	0%	467,352,365
528	1st sty road directional marking	5 days	Wed 13/11/13	Sun 17/11/13	0%	479,476,483,464,436,439
529						
530	**External Lighting**	**136 days**	**Tue 16/7/13**	**Thu 28/11/13**	**56%**	
531	External Lighting to Tower 1	60 days	Tue 16/7/13	Sat 23/11/13	50%	119FF+3 days
532	External Lighting to Tower 2	60 days	Fri 19/7/13	Sat 23/11/13	50%	153FF+3 days
533	External Lighting to Podium	60 days	Sat 20/7/13	Thu 28/11/13	63%	195FF+2 days
534	External 1st storey including sky bridge, link bridge etc.,	60 days	Sat 27/7/13	Thu 28/11/13	63%	255FF
535	**Signage & Graphic Works**	**91 days**	**Fri 30/8/13**	**Thu 28/11/13**	**20%**	
536	Signage to Tower 1	30 days	Fri 30/8/13	Sat 23/11/13	20%	531FF
537	Signage to Tower 2	30 days	Mon 2/9/13	Sat 23/11/13	20%	532FF
538	Signage to Podium	30 days	Tue 3/9/13	Thu 28/11/13	20%	533FF
539	1st storey	15 days	Wed 25/9/13	Thu 28/11/13	20%	534FF
540	**JAVA ROAD WORK**	**364 days**	**Sun 2/12/12**	**Sat 30/11/13**	**77%**	
541	**Demolition of existing Ramp & 1st sty slab and Reconstruction of 1st sty driveway**	**364 days**	**Sun 2/12/12**	**Sat 30/11/13**	**77%**	
542	Block carpark areas at B1	1 day	Sun 2/12/12	Sun 2/12/12	100%	
543	Hoard up the area at B1 & L1	7 days	Mon 3/12/12	Sun 9/12/12	100%	542
544	M&E divesion / protection to services	3 days	Mon 10/12/12	Wed 12/12/12	100%	543
545	Proping at Basements (In progress)	20 days	Tue 16/7/13	Sun 4/8/13	100%	544
546	Demolition - Balance work (after office hours only)	50 days	Sat 10/8/13	Mon 30/9/13	100%	545
547	Formwork & Rebar works	37.9 days	Wed 4/9/13	Wed 23/10/13	100%	546
548	Casting concrete	1 day	Wed 25/9/13	Thu 24/10/13	100%	547
549	Dismantle formwork after 14 days & Repropping	3 days	Thu 10/10/13	Thu 7/11/13	75%	548FS+14 days
550	M&E works to 1st sty Slab soffit	7 days	Thu 7/11/13	Thu 14/11/13	0%	549
551	Carpark screens, wheel stops, kerbs, setc.	7 days	Thu 14/11/13	Thu 21/11/13	0%	550
552	Epoxy paint to B1 floor, direction arrows, markings, etc.	7 days	Thu 21/11/13	Thu 28/11/13	0%	551
553	1st sty cobble stone work	7 days	Sat 26/10/13	Sat 2/11/13	0%	548FS+2 days
554	**Java road entrance & culvert work**	**155 days**	**Sat 29/6/13**	**Sat 30/11/13**	**71%**	
555	Apply LTA permit for the construction work	1 day	Sat 29/6/13	Sat 29/6/13	100%	
556	Approval permit	14 days	Sun 30/6/13	Sat 13/7/13	100%	555
557	Apply permit & get approval for dismantle linkway	35 days	Wed 7/8/13	Tue 10/9/13	100%	
558	Hoarding, barriers	2 days	Wed 11/9/13	Thu 12/9/13	100%	556,557
559	Dismantle the link way at egress	9 days	Fri 13/9/13	Sat 21/9/13	100%	558
560	Hacking to existing culvert	9 days	Sun 22/9/13	Mon 30/9/13	100%	559
561	Piling work	6 days	Sat 5/10/13	Thu 10/10/13	100%	560
562	Excav., shoring, piling & lean conc. For new culvert	5 days	Fri 11/10/13	Tue 15/10/13	100%	561
563	Rebar	1 day	Wed 16/10/13	Wed 16/10/13	100%	562
564	Cast base slab	1 day	Thu 17/10/13	Thu 17/10/13	100%	563



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(Balance works completion for TOP)

ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
565	Fromwork & rebar to walls & top slab	2 days	Fri 18/10/13	Sat 19/10/13	100%	564
566	cast wall & top slab	1 day	Fri 25/10/13	Fri 25/10/13	0%	565
567	Backfilling & Hardcore compaction	2 days	Tue 29/10/13	Wed 30/10/13	0%	566FS+3 days
568	Bitumen surface to Road	1 day	Thu 31/10/13	Thu 31/10/13	0%	567
569	RC Beams / Slab to Existing Level 1	7 days	Fri 1/11/13	Thu 7/11/13	0%	568
570	casting	1 day	Fri 8/11/13	Fri 8/11/13	0%	569
571	Reinstate M&E works	5 days	Sat 23/11/13	Wed 27/11/13	0%	570FS+14 days
572	Linkway construction	10 days	Sat 9/11/13	Mon 18/11/13	0%	570
573	Finishes at walk way	7 days	Sun 24/11/13	Sat 30/11/13	0%	571FF+3 days,572
574	**INTERNAL FINISHES - BALANCE WORKS FOR UNITS & LOBBY**	**135.7 days**	**Mon 15/7/13**	**Wed 27/11/13**	**71%**	
575	**Tower-1 (Archi finishes for units)**	**122.6 days**	**Tue 16/7/13**	**Fri 15/11/13**	**80%**	
576	**Brick wal**	**4 days**	**Tue 16/7/13**	**Fri 19/7/13**	**100%**	
577	28th sty (Penthouse)	4 days	Tue 16/7/13	Fri 19/7/13	100%	2
578	**Slide & Hide**	**7 days**	**Tue 16/7/13**	**Mon 22/7/13**	**100%**	
579	27th sty (Penthouse)	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
580	28th sty (Penthouse)	3 days	Sat 20/7/13	Mon 22/7/13	100%	577
581	**Brick wall chasing for M&E**	**9 days**	**Tue 16/7/13**	**Wed 24/7/13**	**100%**	
582	27th sty (Penthouse)	5 days	Tue 16/7/13	Sat 20/7/13	100%	2
583	28th sty (Penthouse)	5 days	Sat 20/7/13	Wed 24/7/13	100%	577
584	**Aluminium window outer frame**	**10 days**	**Tue 16/7/13**	**Thu 25/7/13**	**100%**	
585	26th sty	4 days	Tue 16/7/13	Fri 19/7/13	100%	2
586	27th sty (Penthouse)	3 days	Sat 20/7/13	Mon 22/7/13	100%	585
587	28th sty (Penthouse)	3 days	Tue 23/7/13	Thu 25/7/13	100%	586
588	**Plastering (living, bed, bath, kitchen, etc)**	**10 days**	**Fri 19/7/13**	**Sun 28/7/13**	**100%**	
589	27th sty (Penthouse)	4 days	Fri 19/7/13	Mon 22/7/13	100%	579
590	28th sty (Penthouse)	4 days	Thu 25/7/13	Sun 28/7/13	100%	583
591	**Bath room marble (Floor & Wall)**	**14 days**	**Tue 16/7/13**	**Mon 29/7/13**	**100%**	
592	27th sty (Penthouse)	7 days	Tue 16/7/13	Mon 22/7/13	100%	2
593	28th sty (Penthouse)	7 days	Tue 23/7/13	Mon 29/7/13	100%	592
594	**Floor screed - Bed room**	**7 days**	**Tue 23/7/13**	**Mon 29/7/13**	**100%**	
595	27th sty (Penthouse)	1 day	Tue 23/7/13	Tue 23/7/13	100%	589
596	28th sty (Penthouse)	1 day	Mon 29/7/13	Mon 29/7/13	100%	590
597	**Floor screed - Living**	**7 days**	**Wed 24/7/13**	**Tue 30/7/13**	**100%**	
598	27th sty (Penthouse)	1 day	Wed 24/7/13	Wed 24/7/13	100%	595
599	28th sty (Penthouse)	1 day	Tue 30/7/13	Tue 30/7/13	100%	596,598
600	**Dry wall partition**	**18 days**	**Tue 16/7/13**	**Fri 2/8/13**	**100%**	
601	20th sty (Penthouse)	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
602	27th sty (Penthouse)	3 days	Thu 25/7/13	Sat 27/7/13	100%	595,598
603	28th sty (Penthouse)	3 days	Wed 31/7/13	Fri 2/8/13	100%	602,596,599
604	**M&E Clearance for ceiling**	**12 days**	**Tue 16/7/13**	**Sat 27/7/13**	**100%**	
605	19th sty (Penthouse)	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
606	20th sty (Penthouse)	3 days	Fri 19/7/13	Sun 21/7/13	100%	605
607	27th sty (Penthouse)	3 days	Mon 22/7/13	Wed 24/7/13	100%	606
608	28th sty (Penthouse)	3 days	Thu 25/7/13	Sat 27/7/13	100%	607
609	**False ceiling**	**18 days**	**Fri 19/7/13**	**Mon 5/8/13**	**100%**	
610	19th sty (Penthouse)	3 days	Fri 19/7/13	Sun 21/7/13	100%	605
611	20th sty (Penthouse)	3 days	Mon 22/7/13	Wed 24/7/13	100%	601,610,606
612	27th sty (Penthouse)	3 days	Sun 28/7/13	Tue 30/7/13	100%	602,611,607
613	28th sty (Penthouse)	3 days	Sat 3/8/13	Mon 5/8/13	100%	603,612,608
614	**Tiling works**	**16 days**	**Tue 16/7/13**	**Wed 31/7/13**	**100%**	
615	19th sty (Penthouse)	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
616	20th sty (Penthouse)	3 days	Fri 19/7/13	Sun 21/7/13	100%	615
617	27th sty (Penthouse)	3 days	Tue 23/7/13	Thu 25/7/13	100%	598SS-1 day,589
618	28th sty (Penthouse)	3 days	Mon 29/7/13	Wed 31/7/13	100%	599SS-1 day,590
619	**Aluminium window inner frame & glazing**	**18 days**	**Tue 16/7/13**	**Fri 2/8/13**	**100%**	
620	26th sty	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
621	27th sty (Penthouse)	3 days	Thu 25/7/13	Sat 27/7/13	100%	598
622	28th sty (Penthouse)	3 days	Wed 31/7/13	Fri 2/8/13	100%	599
623	**Living & Dining marble**	**26 days**	**Tue 16/7/13**	**Sat 10/8/13**	**100%**	
624	19th sty (Penthouse)	4 days	Tue 16/7/13	Fri 19/7/13	100%	2
625	20th sty (Penthouse)	4 days	Sat 20/7/13	Tue 23/7/13	100%	624
626	27th sty (Penthouse)	4 days	Thu 1/8/13	Sun 4/8/13	100%	598FS+7 days
627	28th sty (Penthouse)	4 days	Wed 7/8/13	Sat 10/8/13	100%	599FS+7 days
628	**Timber floor**	**18 days**	**Mon 22/7/13**	**Thu 8/8/13**	**100%**	
629	19th sty (Penthouse)	2 days	Mon 22/7/13	Tue 23/7/13	100%	624FS+2 days
630	20th sty (Penthouse)	2 days	Fri 26/7/13	Sat 27/7/13	100%	625FS+2 days
631	27th sty (Penthouse)	2 days	Wed 7/8/13	Thu 8/8/13	100%	626FS+2 days
632	28th sty (Penthouse)	2 days	Wed 7/8/13	Thu 8/8/13	100%	626FS+2 days
633	**Timber floor grinding below wardrobe**	**102 days**	**Tue 16/7/13**	**Fri 25/10/13**	**60%**	
634	19th sty (Penthouse)	1 day	Fri 25/10/13	Fri 25/10/13	0%	629FS+7 days
635	20th sty (Penthouse)	1 day	Fri 25/10/13	Fri 25/10/13	0%	630FS+7 days
636	21st sty	1 day	Tue 16/7/13	Tue 16/7/13	100%	2
637	22nd sty	1 day	Wed 17/7/13	Wed 17/7/13	100%	636
638	23rd sty	1 day	Thu 18/7/13	Thu 18/7/13	100%	637
639	24th sty	1 day	Fri 19/7/13	Fri 19/7/13	100%	638
640	25th sty	1 day	Sat 20/7/13	Sat 20/7/13	100%	639
641	26th sty	1 day	Sun 21/7/13	Sun 21/7/13	100%	640
642	27th sty (Penthouse)	1 day	Fri 25/10/13	Fri 25/10/13	0%	631FS+7 days
643	28th sty (Penthouse)	1 day	Fri 25/10/13	Fri 25/10/13	0%	632FS+7 days
644	**Vanity Basin**	**2 days**	**Fri 25/10/13**	**Sat 26/10/13**	**0%**	

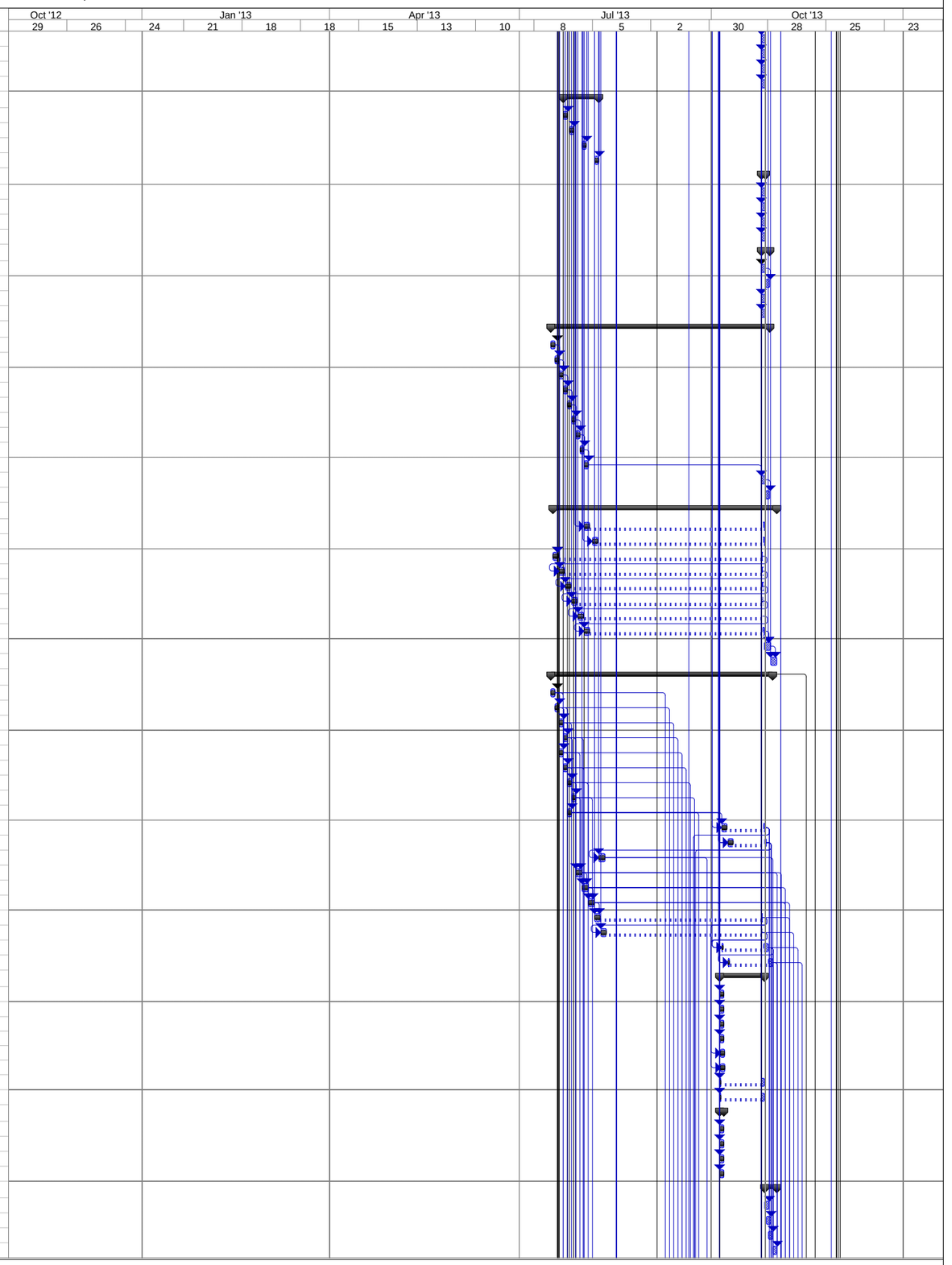


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(Balance works completion for TOP)

ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
645	19th sty (Penthouse)	2 days	Fri 25/10/13	Sat 26/10/13	0%	610
646	20th sty (Penthouse)	2 days	Fri 25/10/13	Sat 26/10/13	0%	611
647	27th sty (Penthouse)	2 days	Fri 25/10/13	Sat 26/10/13	0%	612
648	28th sty (Penthouse)	2 days	Fri 25/10/13	Sat 26/10/13	0%	613
649	**Long bath**	**17 days**	**Mon 22/7/13**	**Wed 7/8/13**	**100%**	
650	19th sty (Penthouse)	2 days	Mon 22/7/13	Tue 23/7/13	100%	610
651	20th sty (Penthouse)	2 days	Thu 25/7/13	Fri 26/7/13	100%	611
652	27th sty (Penthouse)	2 days	Wed 31/7/13	Thu 1/8/13	100%	612
653	28th sty (Penthouse)	2 days	Tue 6/8/13	Wed 7/8/13	100%	613
654	**WC**	**2 days**	**Fri 25/10/13**	**Sat 26/10/13**	**0%**	
655	19th sty (Penthouse)	2 days	Fri 25/10/13	Sat 26/10/13	0%	610
656	20th sty (Penthouse)	2 days	Fri 25/10/13	Sat 26/10/13	0%	611
657	27th sty (Penthouse)	2 days	Fri 25/10/13	Sat 26/10/13	0%	612
658	28th sty (Penthouse)	2 days	Fri 25/10/13	Sat 26/10/13	0%	613
659	**Shower screen**	**4 days**	**Fri 25/10/13**	**Mon 28/10/13**	**0%**	
660	19th sty (Penthouse)	2 days	Fri 25/10/13	Sat 26/10/13	0%	2
661	20th sty (Penthouse)	2 days	Sun 27/10/13	Mon 28/10/13	0%	660
662	27th sty (Penthouse)	2 days	Fri 25/10/13	Sat 26/10/13	0%	592FS+3 days
663	28th sty (Penthouse)	2 days	Fri 25/10/13	Sat 26/10/13	0%	593FS+3 days
664	**Balustrade & SS railing @ balcony & planters**	**105 days**	**Tue 16/7/13**	**Mon 28/10/13**	**82%**	
665	16th sty	2 days	Tue 16/7/13	Wed 17/7/13	100%	2
666	18th sty	2 days	Thu 18/7/13	Fri 19/7/13	100%	665
667	19th sty	2 days	Sat 20/7/13	Sun 21/7/13	100%	666
668	20th sty	2 days	Mon 22/7/13	Tue 23/7/13	100%	667
669	22nd sty	2 days	Wed 24/7/13	Thu 25/7/13	100%	668
670	23rd sty	2 days	Fri 26/7/13	Sat 27/7/13	100%	669
671	24th sty	2 days	Sun 28/7/13	Mon 29/7/13	100%	670
672	25th sty	2 days	Tue 30/7/13	Wed 31/7/13	100%	671
673	26th sty	2 days	Thu 1/8/13	Fri 2/8/13	100%	672
674	27th sty (Penthouse)	2 days	Fri 25/10/13	Sat 26/10/13	0%	673
675	28th sty (Penthouse)	2 days	Sun 27/10/13	Mon 28/10/13	0%	674
676	**Door frame and panels**	**107.2 days**	**Wed 17/7/13**	**Fri 1/11/13**	**74%**	
677	19th sty (Penthouse)	3 days	Thu 1/8/13	Sat 26/10/13	90%	634
678	20th sty (Penthouse)	3 days	Mon 5/8/13	Sat 26/10/13	90%	635
679	21st sty	3 days	Wed 17/7/13	Fri 25/10/13	95%	2,636
680	22nd sty	3 days	Sat 20/7/13	Fri 25/10/13	90%	679,637
681	23rd sty	3 days	Tue 23/7/13	Fri 25/10/13	95%	680,638
682	24th sty	3 days	Fri 26/7/13	Fri 25/10/13	95%	681,639
683	25th sty	3 days	Mon 29/7/13	Fri 25/10/13	95%	682,640
684	26th sty	3 days	Thu 1/8/13	Sat 26/10/13	90%	683,641
685	27th sty (Penthouse)	3 days	Sat 26/10/13	Tue 29/10/13	0%	684,642
686	28th sty (Penthouse)	3 days	Tue 29/10/13	Fri 1/11/13	0%	685,643
687	**Cabinets & Wardrobes installation (Balance work)**	**106.2 days**	**Tue 16/7/13**	**Wed 30/10/13**	**88%**	
688	10th sty	2 days	Tue 16/7/13	Wed 17/7/13	100%	2
689	11th sty	2 days	Thu 18/7/13	Fri 19/7/13	100%	688
690	12th sty	2 days	Sat 20/7/13	Sun 21/7/13	100%	689
691	13th sty	2 days	Mon 22/7/13	Tue 23/7/13	100%	690
692	14th sty	2 days	Sat 20/7/13	Sun 21/7/13	100%	689
693	15th sty	2 days	Mon 22/7/13	Tue 23/7/13	100%	692
694	16th sty	2 days	Wed 24/7/13	Thu 25/7/13	100%	693
695	17th sty	2 days	Fri 26/7/13	Sat 27/7/13	100%	694
696	18th sty	2 days	Wed 24/7/13	Thu 25/7/13	100%	691
697	19th sty	3 days	Sun 6/10/13	Sat 26/10/13	80%	696,634
698	20th sty	3 days	Wed 9/10/13	Sun 27/10/13	80%	697,635
699	21st sty	3 days	Thu 8/8/13	Sat 10/8/13	100%	698,636
700	22nd sty	3 days	Sun 28/7/13	Tue 30/7/13	100%	695,637
701	23rd sty	3 days	Wed 31/7/13	Fri 2/8/13	100%	700,638
702	24th sty	3 days	Sat 3/8/13	Mon 5/8/13	100%	701,639
703	25th sty	3 days	Tue 6/8/13	Fri 25/10/13	95%	702,640
704	26th sty	3 days	Fri 9/8/13	Fri 25/10/13	95%	703,641
705	27th sty (Penthouse)	3 days	Sun 6/10/13	Mon 28/10/13	30%	704,642
706	28th sty (Penthouse)	3 days	Wed 9/10/13	Wed 30/10/13	30%	705,643
707	**Vanity Basin**	**21.4 days**	**Sat 5/10/13**	**Sat 26/10/13**	**83%**	
708	19th sty (Penthouse)	2 days	Sat 5/10/13	Sun 6/10/13	100%	610
709	20th sty (Penthouse)	2 days	Sat 5/10/13	Sun 6/10/13	100%	611
710	23rd sty	2 days	Sat 5/10/13	Sun 6/10/13	100%	701
711	24th sty	2 days	Sat 5/10/13	Sun 6/10/13	100%	702
712	25th sty	2 days	Sat 5/10/13	Mon 7/10/13	100%	703
713	26th sty	2 days	Sat 5/10/13	Mon 7/10/13	100%	704
714	27th sty (Penthouse)	2 days	Sat 5/10/13	Sat 26/10/13	30%	612
715	28th sty (Penthouse)	2 days	Sat 5/10/13	Sat 26/10/13	30%	613
716	**Long bath**	**2 days**	**Sat 5/10/13**	**Sun 6/10/13**	**100%**	
717	19th sty (Penthouse)	2 days	Sat 5/10/13	Sun 6/10/13	100%	610
718	20th sty (Penthouse)	2 days	Sat 5/10/13	Sun 6/10/13	100%	611
719	27th sty	2 days	Sat 5/10/13	Sun 6/10/13	100%	612
720	28th sty	2 days	Sat 5/10/13	Sun 6/10/13	100%	613
721	**WC**	**5.6 days**	**Sat 26/10/13**	**Fri 1/11/13**	**0%**	
722	19th sty (Penthouse)	2 days	Sat 26/10/13	Mon 28/10/13	0%	697
723	20th sty (Penthouse)	2 days	Sun 27/10/13	Tue 29/10/13	0%	698
724	27th sty (Penthouse)	2 days	Mon 28/10/13	Wed 30/10/13	0%	705
725	28th sty (Penthouse)	2 days	Wed 30/10/13	Fri 1/11/13	0%	706

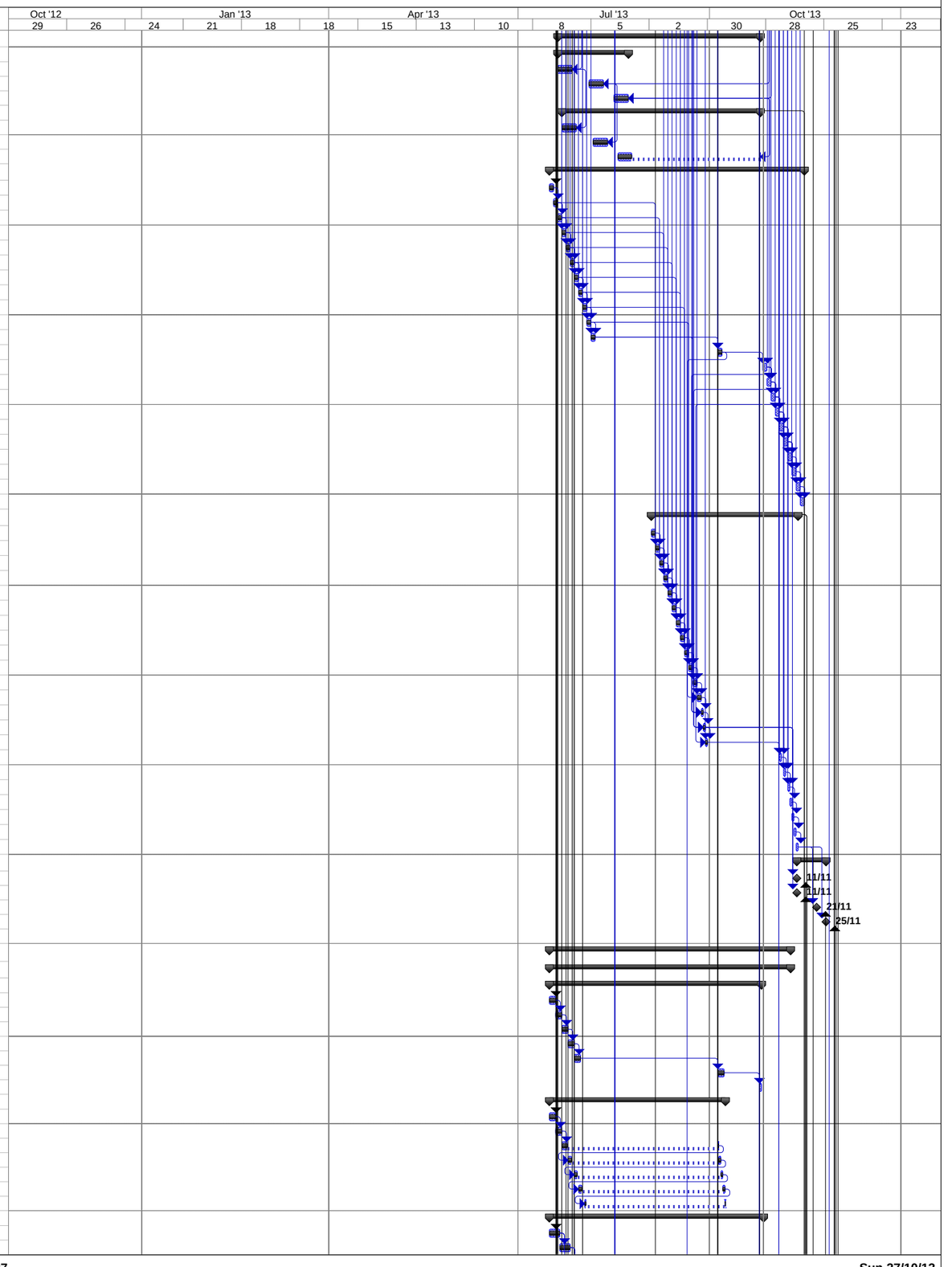


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(Balance works completion for TOP)

ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
726	**Household shelter**	**97.35 days**	**Sat 20/7/13**	**Fri 25/10/13**	**99%**	
727	**Vent sleeve & Gasket installation**	**34 days**	**Sat 20/7/13**	**Thu 22/8/13**	**100%**	
728	7th to 13th sty	7 days	Sat 20/7/13	Fri 26/7/13	100%	691FF+3 days
729	14th to 20th sty	7 days	Sun 4/8/13	Sat 10/8/13	100%	698FF+3 days
730	21th to 27th sty	7 days	Fri 16/8/13	Thu 22/8/13	100%	705FF+3 days
731	**Testing & Commissioning**	**95.35 days**	**Mon 22/7/13**	**Fri 25/10/13**	**98%**	
732	7th to 13th sty	7 days	Mon 22/7/13	Sun 28/7/13	100%	728FF+2 days
733	14th to 20th sty	7 days	Tue 6/8/13	Mon 12/8/13	100%	729FF+2 days
734	21th to 27th sty	7 days	Sun 18/8/13	Fri 25/10/13	95%	730FF+2 days
735	**M&E Testing & Commissioning for units**	**122.6 days**	**Tue 16/7/13**	**Fri 15/11/13**	**55%**	
736	7th sty	2 days	Tue 16/7/13	Wed 17/7/13	100%	2
737	8th sty	2 days	Thu 18/7/13	Fri 19/7/13	100%	736
738	9th sty	2 days	Sat 20/7/13	Sun 21/7/13	100%	737
739	10th sty	2 days	Mon 22/7/13	Tue 23/7/13	100%	738,688
740	11th sty	2 days	Wed 24/7/13	Thu 25/7/13	100%	739,689
741	12th sty	2 days	Fri 26/7/13	Sat 27/7/13	100%	740,690
742	13th sty	2 days	Sun 28/7/13	Mon 29/7/13	100%	741,691
743	14th sty	2 days	Tue 30/7/13	Wed 31/7/13	100%	742,692
744	15th sty	2 days	Thu 1/8/13	Fri 2/8/13	100%	743,693
745	16th sty	2 days	Sat 3/8/13	Sun 4/8/13	100%	744,694
746	17th sty	2 days	Mon 5/8/13	Tue 6/8/13	100%	745,695
747	18th sty	2 days	Sat 5/10/13	Sun 6/10/13	100%	746,696
748	19th sty	2 days	Sat 26/10/13	Mon 28/10/13	0%	747,697
749	20th sty	2 days	Mon 28/10/13	Wed 30/10/13	0%	748,698
750	21st sty	2 days	Wed 30/10/13	Fri 1/11/13	0%	749,699
751	22nd sty	2 days	Fri 1/11/13	Sun 3/11/13	0%	750,700
752	23rd sty	2 days	Sun 3/11/13	Tue 5/11/13	0%	751,701
753	24th sty	2 days	Tue 5/11/13	Thu 7/11/13	0%	752,702
754	25th sty	2 days	Thu 7/11/13	Sat 9/11/13	0%	753,703
755	26th sty	2 days	Sat 9/11/13	Mon 11/11/13	0%	754,704
756	27th sty (Penthouse)	2 days	Mon 11/11/13	Wed 13/11/13	0%	755,705
757	28th sty (Penthouse)	2 days	Wed 13/11/13	Fri 15/11/13	0%	756,706
758	**Fixing appliances & fittings**	**70.6 days**	**Tue 3/9/13**	**Tue 12/11/13**	**79%**	
759	7th sty	2 days	Tue 3/9/13	Wed 4/9/13	100%	
760	8th sty	2 days	Thu 5/9/13	Fri 6/9/13	100%	737,759
761	9th sty	2 days	Sat 7/9/13	Sun 8/9/13	100%	738,760
762	10th sty	2 days	Mon 9/9/13	Tue 10/9/13	100%	739,688,761
763	11th sty	2 days	Wed 11/9/13	Thu 12/9/13	100%	740,689,762
764	12th sty	2 days	Fri 13/9/13	Sat 14/9/13	100%	741,690,763
765	13th sty	2 days	Sun 15/9/13	Mon 16/9/13	100%	742,691,764
766	14th sty	2 days	Tue 17/9/13	Wed 18/9/13	100%	743,692,765
767	15th sty	2 days	Thu 19/9/13	Fri 20/9/13	100%	744,693,766
768	16th sty	2 days	Sat 21/9/13	Sun 22/9/13	100%	745,694,767
769	17th sty	2 days	Mon 23/9/13	Tue 24/9/13	100%	746,695,768
770	18th sty	2 days	Wed 25/9/13	Thu 26/9/13	100%	747,696,769
771	19th sty	1 day	Fri 27/9/13	Fri 27/9/13	100%	748,697,770
772	20th sty	1 day	Sat 28/9/13	Sat 28/9/13	100%	749,698,771
773	21st sty	1 day	Sun 29/9/13	Sun 29/9/13	100%	750,699,772
774	22nd sty	1 day	Sun 3/11/13	Mon 4/11/13	0%	751,700,773
775	23rd sty	1 day	Tue 5/11/13	Wed 6/11/13	0%	752,701,774
776	24th sty	1 day	Thu 7/11/13	Fri 8/11/13	0%	753,702,775
777	25th sty	1 day	Fri 8/11/13	Sat 9/11/13	0%	776
778	26th sty	1 day	Sat 9/11/13	Sun 10/11/13	0%	777
779	27th sty (Penthouse)	1 day	Sun 10/11/13	Mon 11/11/13	0%	778
780	28th sty (Penthouse)	1 day	Mon 11/11/13	Tue 12/11/13	0%	779
781	**Tower-1 balance mock-up units completion**	**14 days**	**Mon 11/11/13**	**Mon 25/11/13**	**0%**	
782	**Unit #19-09**	**0 days**	**Mon 11/11/13**	**Mon 11/11/13**	**0%**	**772,1744**
783	**Unit #19-10**	**0 days**	**Mon 11/11/13**	**Mon 11/11/13**	**0%**	**772,1758**
784	**Unit #27-14**	**0 days**	**Thu 21/11/13**	**Thu 21/11/13**	**0%**	**780,1772**
785	**Unit #27-15**	**0 days**	**Mon 25/11/13**	**Mon 25/11/13**	**0%**	**780,1792**
786						
787	**Tower-1 (Archi finishes for Lobby & Staircase)**	**116 days**	**Tue 16/7/13**	**Fri 8/11/13**	**80%**	
788	**Lobby**	**116 days**	**Tue 16/7/13**	**Fri 8/11/13**	**80%**	
789	**M&E works above ceiling**	**102 days**	**Tue 16/7/13**	**Fri 25/10/13**	**95%**	
790	7th to 11th sty	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
791	12th to 16th sty	3 days	Fri 19/7/13	Sun 21/7/13	100%	790
792	17th to 21th sty	3 days	Mon 22/7/13	Wed 24/7/13	100%	791
793	22th to 26th sty	3 days	Thu 25/7/13	Sat 27/7/13	100%	792
794	27th to 29th sty	3 days	Sun 28/7/13	Tue 30/7/13	100%	793
795	1st to 6th sty	3 days	Sat 5/10/13	Mon 7/10/13	100%	794
796	B1 & B2	1 day	Fri 25/10/13	Fri 25/10/13	0%	795
797	**Metal Door panel (Riser)**	**84.75 days**	**Tue 16/7/13**	**Tue 8/10/13**	**100%**	
798	7th to 11th sty	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
799	12th to 16th sty	3 days	Fri 19/7/13	Sun 21/7/13	100%	798
800	17th to 21th sty	3 days	Mon 22/7/13	Sat 5/10/13	100%	799
801	22th to 26th sty	3 days	Thu 25/7/13	Sun 6/10/13	100%	800
802	27th to 29th sty	2 days	Sun 28/7/13	Mon 7/10/13	100%	801
803	1st to 6th sty	3 days	Tue 30/7/13	Tue 8/10/13	100%	802
804	B1 & B2	1 day	Fri 2/8/13	Tue 8/10/13	100%	803
805	**Wall marble at lobby & units entrance**	**103 days**	**Tue 16/7/13**	**Sat 26/10/13**	**93%**	
806	7th to 11th sty	5 days	Tue 16/7/13	Sat 20/7/13	100%	2
807	12th to 16th sty	5 days	Sun 21/7/13	Thu 25/7/13	100%	806

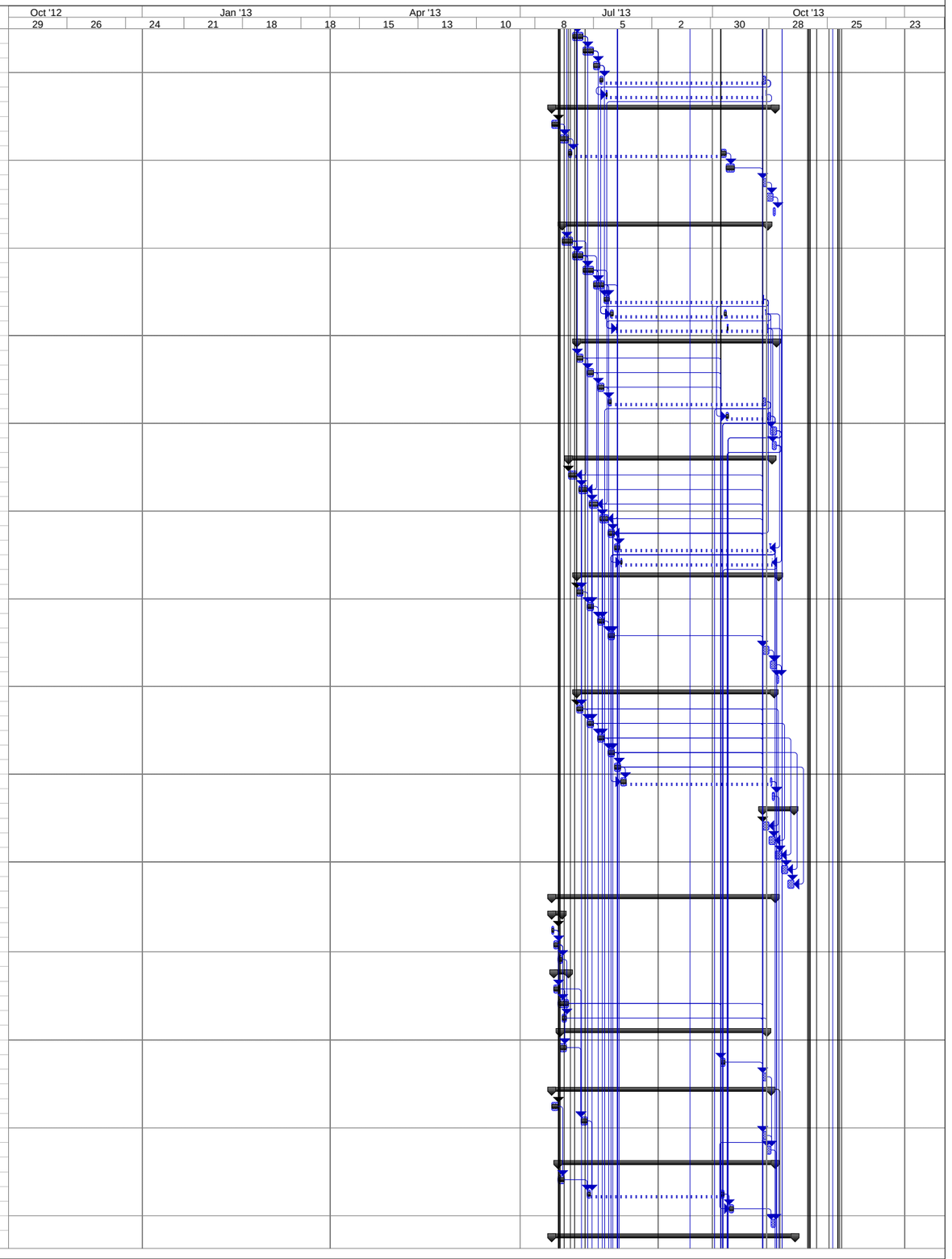


Sun 27/10/13

Phase 3 Master Schedule Rev 3.1_24-10-2013

(Balance works completion for TOP)

ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
808	17th to 21th sty	5 days	Fri 26/7/13	Tue 30/7/13	100%	807
809	22th to 26th sty	5 days	Wed 31/7/13	Sun 4/8/13	100%	808
810	27th to 29th sty	3 days	Mon 5/8/13	Wed 7/8/13	100%	809
811	1st to 5th sty	3 days	Thu 8/8/13	Sat 26/10/13	50%	810
812	B1 & B2	1 day	Sun 11/8/13	Sat 26/10/13	50%	811
813	**Timber laminate panel wall @ corridor**	**107 days**	**Tue 16/7/13**	**Wed 30/10/13**	**73%**	
814	7th to 11th sty	4 days	Tue 16/7/13	Fri 19/7/13	100%	2
815	12th to 16th sty	4 days	Sat 20/7/13	Tue 23/7/13	100%	814
816	17th to 21th sty	4 days	Wed 24/7/13	Mon 7/10/13	100%	815
817	22th to 26th sty	4 days	Mon 7/10/13	Fri 11/10/13	100%	816
818	27th to 29th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	817
819	1st to 5th sty	3 days	Sun 27/10/13	Tue 29/10/13	0%	818
820	B1 & B2	1 day	Wed 30/10/13	Wed 30/10/13	0%	819
821	**False ceiling**	**98.5 days**	**Sun 21/7/13**	**Sun 27/10/13**	**96%**	
822	7th to 11th sty	5 days	Sun 21/7/13	Thu 25/7/13	100%	806
823	12th to 16th sty	5 days	Fri 26/7/13	Tue 30/7/13	100%	822,807
824	17th to 21th sty	5 days	Wed 31/7/13	Sun 4/8/13	100%	823,808
825	22th to 26th sty	5 days	Mon 5/8/13	Fri 9/8/13	100%	824,809
826	27th to 29th sty	3 days	Sat 10/8/13	Fri 25/10/13	90%	825,810
827	1st to 5th sty	3 days	Tue 13/8/13	Sat 26/10/13	90%	826,811
828	B1 & B2	1 day	Fri 16/8/13	Sun 27/10/13	50%	827,812
829	**Ceiling Painting**	**95.8 days**	**Sun 28/7/13**	**Thu 31/10/13**	**60%**	
830	7th to 11th sty	3 days	Sun 28/7/13	Tue 30/7/13	100%	822FS+2 days
831	12th to 16th sty	3 days	Fri 2/8/13	Sun 4/8/13	100%	823FS+2 days
832	17th to 21th sty	3 days	Wed 7/8/13	Fri 9/8/13	100%	824FS+2 days
833	22th to 26th sty	3 days	Mon 12/8/13	Sat 26/10/13	50%	825FS+2 days
834	27th to 29th sty	3 days	Mon 7/10/13	Mon 28/10/13	50%	826FS+2 days
835	1st to 5th sty	3 days	Mon 28/10/13	Thu 31/10/13	0%	827FS+2 days
836	B1 & B2	2 days	Tue 29/10/13	Thu 31/10/13	0%	828FS+2 days
837	**Granite floor**	**97.5 days**	**Wed 24/7/13**	**Tue 29/10/13**	**98%**	
838	7th to 11th sty	4 days	Wed 24/7/13	Sat 27/7/13	100%	2,822FF+2 days
839	12th to 16th sty	4 days	Mon 29/7/13	Thu 1/8/13	100%	838,823FF+2 days
840	17th to 21th sty	4 days	Sat 3/8/13	Tue 6/8/13	100%	839,824FF+2 days
841	22th to 26th sty	4 days	Thu 8/8/13	Sun 11/8/13	100%	840,825FF+2 days
842	27th to 29th sty	3 days	Mon 12/8/13	Wed 14/8/13	100%	841,826FF+2 days
843	1st to 5th sty	3 days	Thu 15/8/13	Mon 28/10/13	90%	842,827FF+2 days
844	B1 & B2	1 day	Sun 18/8/13	Tue 29/10/13	80%	843,828FF+2 days
845	**Back painted glass @ call button area**	**96.8 days**	**Sun 28/7/13**	**Fri 1/11/13**	**63%**	
846	7th to 11th sty	3 days	Sun 28/7/13	Tue 30/7/13	100%	2,838
847	12th to 16th sty	3 days	Fri 2/8/13	Sun 4/8/13	100%	846,839
848	17th to 21th sty	3 days	Wed 7/8/13	Fri 9/8/13	100%	847,840
849	22th to 26th sty	3 days	Mon 12/8/13	Wed 14/8/13	100%	848,841
850	27th to 29th sty	3 days	Fri 25/10/13	Sun 27/10/13	0%	849,842
851	1st to 5th sty	3 days	Mon 28/10/13	Thu 31/10/13	0%	850,843
852	B1 & B2	1 day	Thu 31/10/13	Fri 1/11/13	0%	851,844
853	**Timber Door panel (Riser & Lobby)**	**94.5 days**	**Sun 28/7/13**	**Wed 30/10/13**	**93%**	
854	7th to 11th sty	3 days	Sun 28/7/13	Tue 30/7/13	100%	2,838
855	12th to 16th sty	3 days	Fri 2/8/13	Sun 4/8/13	100%	854,839
856	17th to 21th sty	3 days	Wed 7/8/13	Fri 9/8/13	100%	855,840
857	22th to 26th sty	3 days	Mon 12/8/13	Wed 14/8/13	100%	856,841
858	27th to 29th sty	3 days	Thu 15/8/13	Sat 17/8/13	100%	857,842
859	1st to 5th sty	3 days	Sun 18/8/13	Tue 29/10/13	90%	858,843
860	B1 & B2	1 day	Tue 29/10/13	Wed 30/10/13	0%	859,844
861	**Refuse chute hoppers**	**15 days**	**Fri 25/10/13**	**Fri 8/11/13**	**0%**	
862	7th to 11th sty	3 days	Fri 25/10/13	Sun 27/10/13	0%	2,854FF
863	12th to 16th sty	3 days	Mon 28/10/13	Wed 30/10/13	0%	862,855FF
864	17th to 21th sty	3 days	Thu 31/10/13	Sat 2/11/13	0%	863,856FF
865	22th to 26th sty	3 days	Sun 3/11/13	Tue 5/11/13	0%	864,857FF
866	27th to 29th sty	3 days	Wed 6/11/13	Fri 8/11/13	0%	865,858FF
867	**Staircase**	**107 days**	**Tue 16/7/13**	**Wed 30/10/13**	**81%**	
868	**Metal hand railing - base plate**	**5 days**	**Tue 16/7/13**	**Sat 20/7/13**	**100%**	
869	29th to 31th sty	1 day	Tue 16/7/13	Tue 16/7/13	100%	2
870	1st to 6th sty	2 days	Wed 17/7/13	Thu 18/7/13	100%	869
871	B1 & B2	2 days	Fri 19/7/13	Sat 20/7/13	100%	870
872	**Plastering**	**7 days**	**Wed 17/7/13**	**Tue 23/7/13**	**100%**	
873	29th to 31th sty	3 days	Wed 17/7/13	Fri 19/7/13	100%	869
874	1st to 6th sty	5 days	Fri 19/7/13	Tue 23/7/13	100%	870
875	B1 & B2	2 days	Sun 21/7/13	Mon 22/7/13	100%	871
876	**Metal hand railing**	**99 days**	**Sat 20/7/13**	**Sat 26/10/13**	**71%**	
877	29th to 31th sty	3 days	Sat 20/7/13	Mon 22/7/13	100%	873
878	1st to 6th sty	2 days	Sat 5/10/13	Sun 6/10/13	100%	874
879	B1 & B2	2 days	Fri 25/10/13	Sat 26/10/13	0%	875
880	**Painting work**	**105 days**	**Tue 16/7/13**	**Mon 28/10/13**	**60%**	
881	7th to 19th sty	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
882	20th to 31th sty	3 days	Tue 30/7/13	Thu 1/8/13	100%	873FS+10 days,877
883	1st to 6th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	874FS+10 days,878
884	B1 & B2	2 days	Sun 27/10/13	Mon 28/10/13	0%	875FS+10 days,879
885	**Staircase - steps nosing**	**104 days**	**Fri 19/7/13**	**Wed 30/10/13**	**80%**	
886	7th to 19th sty	3 days	Fri 19/7/13	Sun 21/7/13	100%	881
887	20th to 31th sty	3 days	Fri 2/8/13	Sun 6/10/13	100%	882,886
888	1st to 6th sty	2 days	Wed 9/10/13	Thu 10/10/13	100%	883,887
889	B1 & B2	2 days	Tue 29/10/13	Wed 30/10/13	0%	884,888
890	**Tower-1 (M&E works Lobby & Staircase)**	**116.5 days**	**Tue 16/7/13**	**Sat 9/11/13**	**66%**	

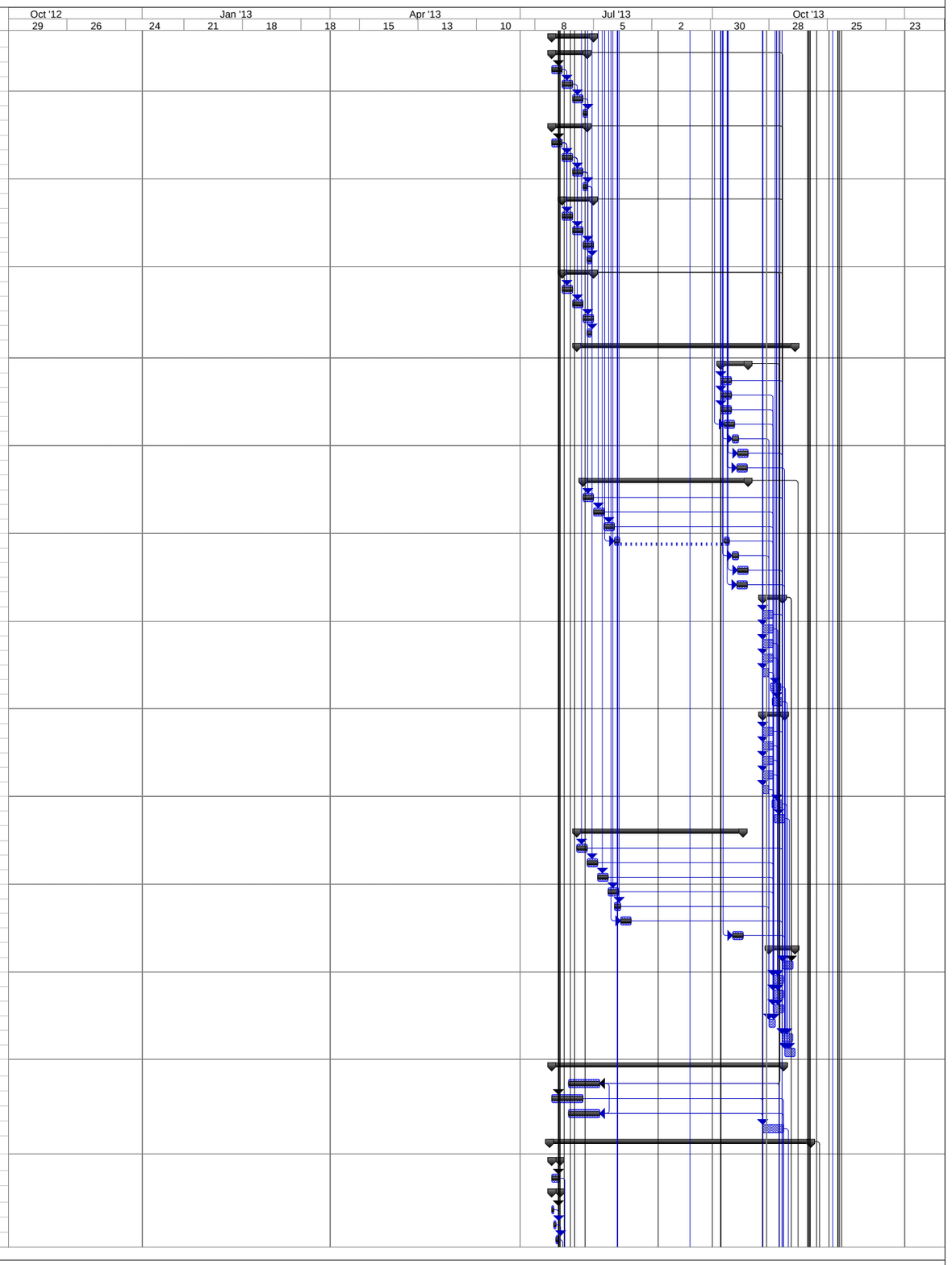


Sun 27/10/13

Phase 3 Master Schedule Rev 3.1_24-10-2013

(Balance works completion for TOP)

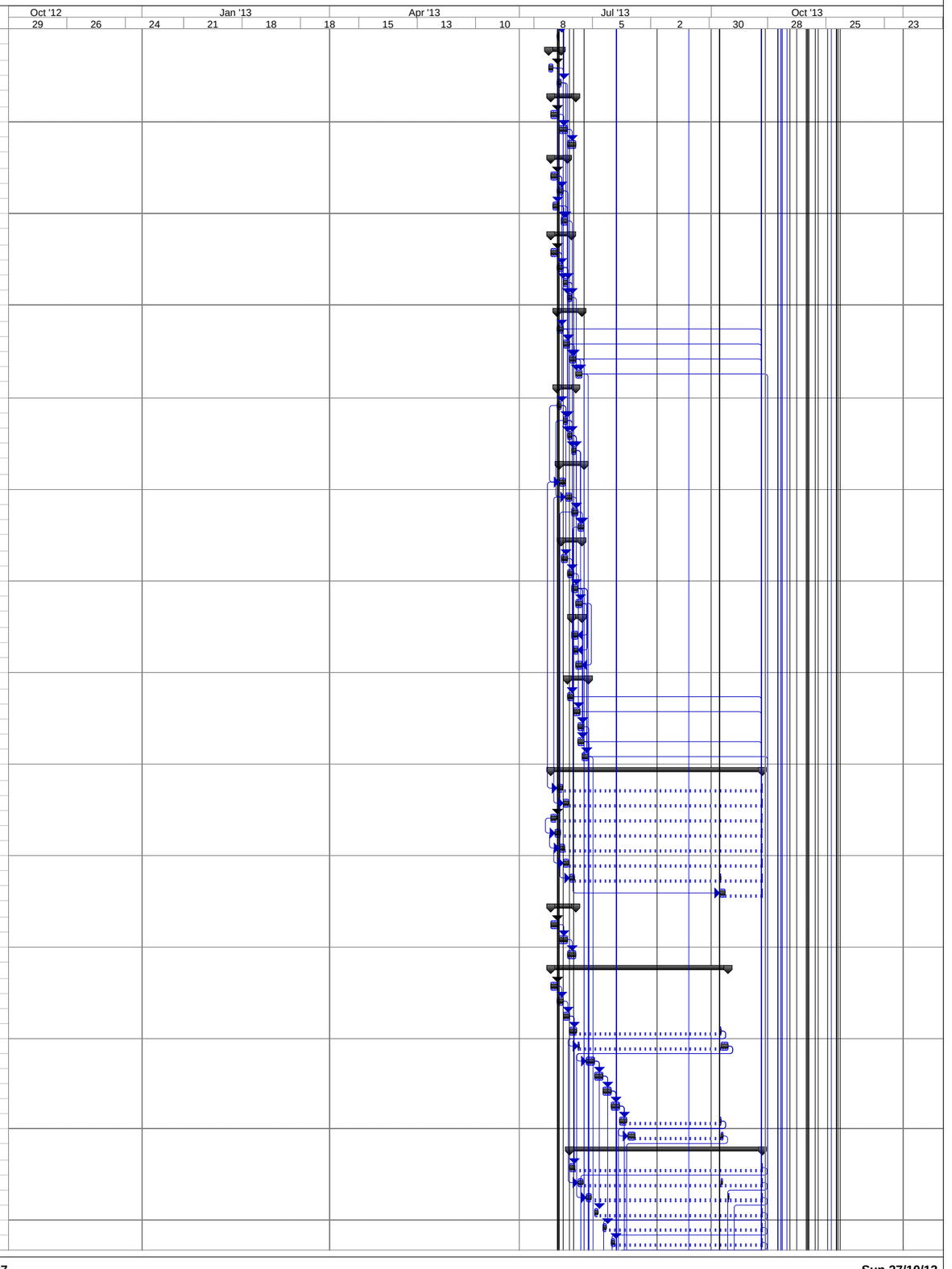
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
891	**At riser**	**20 days**	**Tue 16/7/13**	**Sun 4/8/13**	**100%**	
892	**Electrical riser**	**17 days**	**Tue 16/7/13**	**Thu 1/8/13**	**100%**	
893	7th to 19th sty	5 days	Tue 16/7/13	Sat 20/7/13	100%	2
894	20th to 31th sty	5 days	Sun 21/7/13	Thu 25/7/13	100%	893
895	1st to 6th sty	5 days	Fri 26/7/13	Tue 30/7/13	100%	894
896	B1 & B2	2 days	Wed 31/7/13	Thu 1/8/13	100%	895
897	**Tel riser**	**17 days**	**Tue 16/7/13**	**Thu 1/8/13**	**100%**	
898	7th to 19th sty	5 days	Tue 16/7/13	Sat 20/7/13	100%	2
899	20th to 31th sty	5 days	Sun 21/7/13	Thu 25/7/13	100%	898
900	1st to 6th sty	5 days	Fri 26/7/13	Tue 30/7/13	100%	899
901	B1 & B2	2 days	Wed 31/7/13	Thu 1/8/13	100%	900
902	**Water riser main**	**15 days**	**Sun 21/7/13**	**Sun 4/8/13**	**100%**	
903	7th to 19th sty	5 days	Sun 21/7/13	Thu 25/7/13	100%	898
904	20th to 31th sty	5 days	Fri 26/7/13	Tue 30/7/13	100%	899
905	1st to 6th sty	5 days	Wed 31/7/13	Sun 4/8/13	100%	900
906	B1 & B2	2 days	Fri 2/8/13	Sat 3/8/13	100%	901
907	**Fire riser main**	**15 days**	**Sun 21/7/13**	**Sun 4/8/13**	**100%**	
908	7th to 19th sty	5 days	Sun 21/7/13	Thu 25/7/13	100%	898
909	20th to 31th sty	5 days	Fri 26/7/13	Tue 30/7/13	100%	899
910	1st to 6th sty	5 days	Wed 31/7/13	Sun 4/8/13	100%	900
911	B1 & B2	2 days	Fri 2/8/13	Sat 3/8/13	100%	901
912	**Lobby**	**104.5 days**	**Sun 28/7/13**	**Sat 9/11/13**	**50%**	
913	**Light fittings**	**13 days**	**Sat 5/10/13**	**Thu 17/10/13**	**100%**	
914	7th to 11th sty	5 days	Sat 5/10/13	Wed 9/10/13	100%	830
915	12th to 16th sty	5 days	Sat 5/10/13	Wed 9/10/13	100%	831
916	17th to 21th sty	5 days	Sat 5/10/13	Wed 9/10/13	100%	832
917	22th to 26th sty	5 days	Sun 6/10/13	Fri 11/10/13	100%	833
918	27th to 29th sty	3 days	Thu 10/10/13	Sun 13/10/13	100%	834
919	1st to 5th sty	5 days	Sun 13/10/13	Thu 17/10/13	100%	835
920	B1 & B2	5 days	Sat 12/10/13	Thu 17/10/13	100%	836
921	**MV grilles**	**79 days**	**Wed 31/7/13**	**Thu 17/10/13**	**100%**	
922	7th to 11th sty	5 days	Wed 31/7/13	Sun 4/8/13	100%	830
923	12th to 16th sty	5 days	Mon 5/8/13	Fri 9/8/13	100%	831
924	17th to 21th sty	5 days	Sat 10/8/13	Wed 14/8/13	100%	832
925	22th to 26th sty	5 days	Thu 15/8/13	Tue 8/10/13	100%	833
926	27th to 29th sty	3 days	Thu 10/10/13	Sun 13/10/13	100%	834
927	1st to 5th sty	5 days	Sun 13/10/13	Thu 17/10/13	100%	835
928	B1 & B2	5 days	Sat 12/10/13	Thu 17/10/13	100%	836
929	**Fire alarm bell & call point**	**9.5 days**	**Fri 25/10/13**	**Sun 3/11/13**	**0%**	
930	7th to 11th sty	5 days	Fri 25/10/13	Tue 29/10/13	0%	838
931	12th to 16th sty	5 days	Fri 25/10/13	Tue 29/10/13	0%	839
932	17th to 21th sty	5 days	Fri 25/10/13	Tue 29/10/13	0%	840
933	22th to 26th sty	5 days	Fri 25/10/13	Tue 29/10/13	0%	841
934	27th to 29th sty	3 days	Fri 25/10/13	Sun 27/10/13	0%	842
935	1st to 5th sty	5 days	Mon 28/10/13	Sat 2/11/13	0%	843
936	B1 & B2	5 days	Tue 29/10/13	Sun 3/11/13	0%	844
937	**Magnetic catch in the fire door**	**10.5 days**	**Fri 25/10/13**	**Mon 4/11/13**	**0%**	
938	7th to 11th sty	5 days	Fri 25/10/13	Tue 29/10/13	0%	854
939	12th to 16th sty	5 days	Fri 25/10/13	Tue 29/10/13	0%	855
940	17th to 21th sty	5 days	Fri 25/10/13	Tue 29/10/13	0%	856
941	22th to 26th sty	5 days	Fri 25/10/13	Tue 29/10/13	0%	857
942	27th to 29th sty	3 days	Fri 25/10/13	Sun 27/10/13	0%	858
943	1st to 5th sty	5 days	Tue 29/10/13	Sun 3/11/13	0%	859
944	B1 & B2	5 days	Wed 30/10/13	Mon 4/11/13	0%	860
945	**Smart drain**	**79.7 days**	**Sun 28/7/13**	**Tue 15/10/13**	**100%**	
946	7th to 11th sty	5 days	Sun 28/7/13	Thu 1/8/13	100%	838
947	12th to 16th sty	5 days	Fri 2/8/13	Tue 6/8/13	100%	839
948	17th to 21th sty	5 days	Wed 7/8/13	Sun 11/8/13	100%	840
949	22th to 26th sty	5 days	Mon 12/8/13	Fri 16/8/13	100%	841
950	27th to 29th sty	3 days	Thu 15/8/13	Sat 17/8/13	100%	842
951	1st to 5th sty	5 days	Sun 18/8/13	Thu 22/8/13	100%	843
952	B1 & B2	5 days	Thu 10/10/13	Tue 15/10/13	100%	844
953	**M&E Testing & Comissioning at lobby**	**12.5 days**	**Mon 28/10/13**	**Sat 9/11/13**	**0%**	
954	7th to 11th sty	5 days	Sun 3/11/13	Fri 8/11/13	0%	914,922,930,938,946,892,897,902,907,929
955	12th to 16th sty	5 days	Wed 30/10/13	Sun 3/11/13	0%	915,923,931,939,947
956	17th to 21th sty	5 days	Wed 30/10/13	Sun 3/11/13	0%	916,924,932,940,948
957	22th to 26th sty	5 days	Wed 30/10/13	Sun 3/11/13	0%	917,925,933,941,949
958	27th to 29th sty	3 days	Mon 28/10/13	Wed 30/10/13	0%	918,926,934,942,950
959	1st to 5th sty	5 days	Sun 3/11/13	Fri 8/11/13	0%	919,927,935,943,951
960	B1 & B2	5 days	Mon 4/11/13	Sat 9/11/13	0%	920,928,936,944,952
961	**Staircase**	**111 days**	**Tue 16/7/13**	**Sun 3/11/13**	**82%**	
962	M & E works including fixing lights + T & C	15 days	Wed 24/7/13	Wed 7/8/13	100%	880FF+3 days
963	MV fan at the top level of the SPD	15 days	Tue 16/7/13	Tue 30/7/13	100%	2
964	MV grill in the wall between SPD & Staircase	15 days	Wed 24/7/13	Wed 7/8/13	100%	962FF
965	T & C SPD system	10 days	Fri 25/10/13	Sun 3/11/13	0%	963,964
966	**Tower-2 (Archi finishes for units)**	**125 days**	**Mon 15/7/13**	**Sat 16/11/13**	**86%**	
967	**Brick wall**	**4 days**	**Tue 16/7/13**	**Fri 19/7/13**	**100%**	
968	40th sty	4 days	Tue 16/7/13	Fri 19/7/13	100%	2
969	**Slide & Hide**	**4 days**	**Tue 16/7/13**	**Fri 19/7/13**	**100%**	
970	33rd sty (Pent house)	1 day	Tue 16/7/13	Tue 16/7/13	100%	2
971	34th sty (Pent house)	1 day	Wed 17/7/13	Wed 17/7/13	100%	970
972	39th sty	1 day	Thu 18/7/13	Thu 18/7/13	100%	971



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(Balance works completion for TOP)

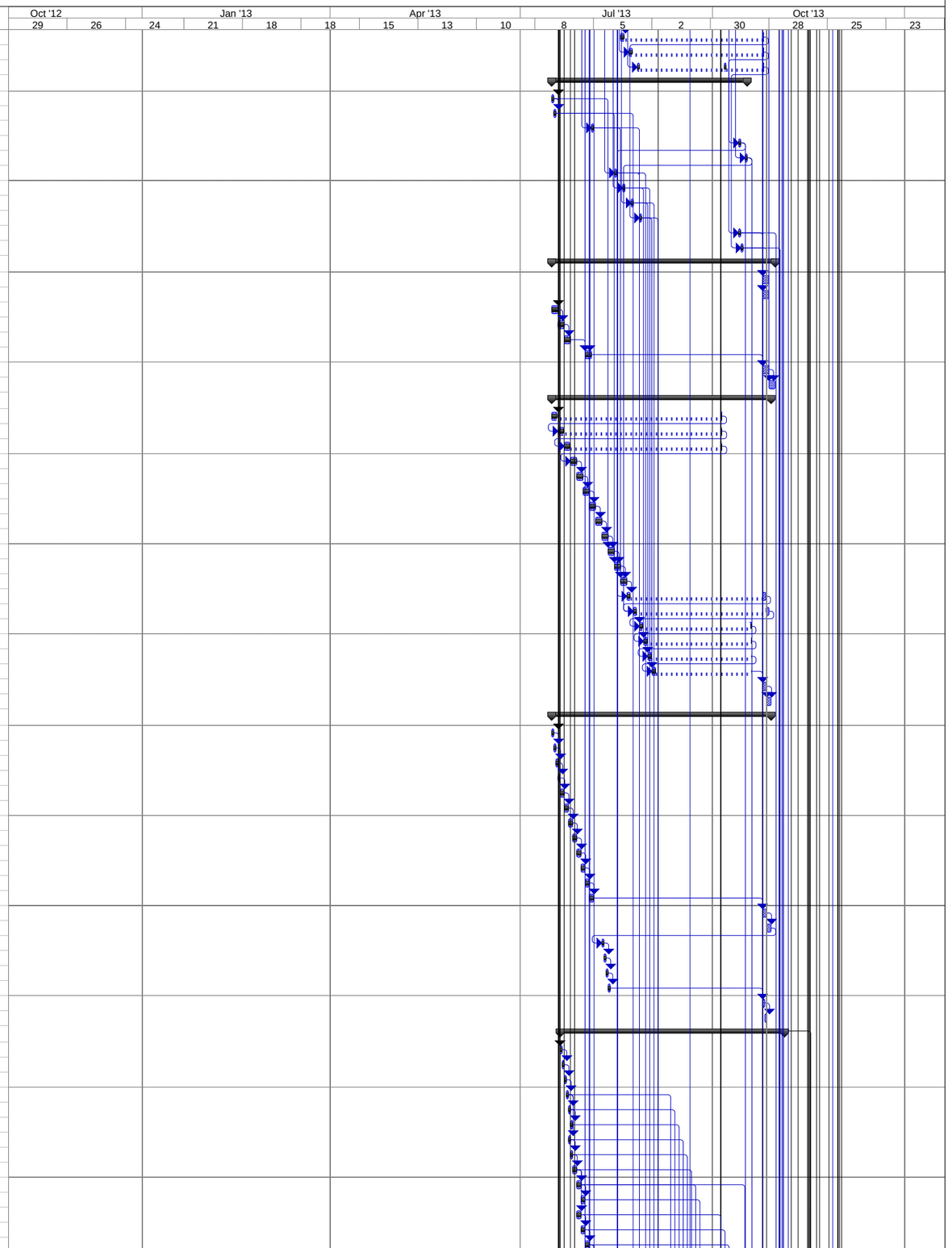
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
973	40th sty	1 day	Fri 19/7/13	Fri 19/7/13	100%	972
974	**Brick wall chasing for M&E**	**6 days**	**Mon 15/7/13**	**Sat 20/7/13**	**100%**	
975	39th sty	2 days	Mon 15/7/13	Tue 16/7/13	100%	2
976	40th sty	2 days	Fri 19/7/13	Sat 20/7/13	100%	968
977	**Aluminium window outer frame**	**12 days**	**Tue 16/7/13**	**Sat 27/7/13**	**100%**	
978	33rd sty	4 days	Tue 16/7/13	Fri 19/7/13	100%	2
979	39th sty	4 days	Sat 20/7/13	Tue 23/7/13	100%	978
980	40th sty	4 days	Wed 24/7/13	Sat 27/7/13	100%	979
981	**Plastering**	**8 days**	**Tue 16/7/13**	**Tue 23/7/13**	**100%**	
982	33rd sty	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
983	34th sty	3 days	Fri 19/7/13	Sun 21/7/13	100%	982
984	39th sty	3 days	Wed 17/7/13	Fri 19/7/13	100%	975
985	40th sty	3 days	Sun 21/7/13	Tue 23/7/13	100%	984,976
986	**Waterproofing**	**10 days**	**Tue 16/7/13**	**Thu 25/7/13**	**100%**	
987	33rd sty	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
988	34th sty	3 days	Fri 19/7/13	Sun 21/7/13	100%	987
989	39th sty	2 days	Mon 22/7/13	Tue 23/7/13	100%	988,975
990	40th sty	2 days	Wed 24/7/13	Thu 25/7/13	100%	989,976
991	**Bath room & Kitchen marble (Floor & Wall)**	**12 days**	**Fri 19/7/13**	**Tue 30/7/13**	**100%**	
992	33rd sty (Pent house)	3 days	Fri 19/7/13	Sun 21/7/13	100%	987
993	34th sty (Pent house)	3 days	Mon 22/7/13	Wed 24/7/13	100%	992,988
994	39th sty	3 days	Thu 25/7/13	Sat 27/7/13	100%	989,993
995	40th sty	3 days	Sun 28/7/13	Tue 30/7/13	100%	990,994
996	**Floor screed - Bed room**	**9 days**	**Fri 19/7/13**	**Sat 27/7/13**	**100%**	
997	33rd sty (Pent house)	2 days	Fri 19/7/13	Sat 20/7/13	100%	982
998	34th sty (Pent house)	2 days	Mon 22/7/13	Tue 23/7/13	100%	997,983
999	39th sty	2 days	Wed 24/7/13	Thu 25/7/13	100%	998,984
1000	40th sty	2 days	Fri 26/7/13	Sat 27/7/13	100%	999,985
1001	**Floor screed - Living**	**12 days**	**Sat 20/7/13**	**Wed 31/7/13**	**100%**	
1002	33rd sty (Pent house)	3 days	Sat 20/7/13	Mon 22/7/13	100%	997SS+1 day
1003	34th sty (Pent house)	3 days	Tue 23/7/13	Thu 25/7/13	100%	998SS+1 day
1004	39th sty	3 days	Fri 26/7/13	Sun 28/7/13	100%	999,1003
1005	40th sty	3 days	Mon 29/7/13	Wed 31/7/13	100%	1000,1004
1006	**Dry wall partition**	**10 days**	**Sun 21/7/13**	**Tue 30/7/13**	**100%**	
1007	33rd sty (Pent house)	3 days	Sun 21/7/13	Tue 23/7/13	100%	997
1008	34th sty (Pent house)	3 days	Wed 24/7/13	Fri 26/7/13	100%	998
1009	39th sty	3 days	Fri 26/7/13	Sun 28/7/13	100%	999
1010	40th sty	3 days	Sun 28/7/13	Tue 30/7/13	100%	1000
1011	**M&E Clearance for ceiling**	**5 days**	**Fri 26/7/13**	**Tue 30/7/13**	**100%**	
1012	38th sty	3 days	Fri 26/7/13	Sun 28/7/13	100%	1009FF
1013	39th sty	2 days	Sat 27/7/13	Sun 28/7/13	100%	1009FF
1014	40th sty	3 days	Sun 28/7/13	Tue 30/7/13	100%	1010FF
1015	**False ceiling**	**10 days**	**Wed 24/7/13**	**Fri 2/8/13**	**100%**	
1016	33rd sty (Pent house)	3 days	Wed 24/7/13	Fri 26/7/13	100%	1007
1017	34th sty (Pent house)	3 days	Sat 27/7/13	Mon 29/7/13	100%	1008
1018	38th sty	3 days	Mon 29/7/13	Wed 31/7/13	100%	1009,1012
1019	39th sty	3 days	Mon 29/7/13	Wed 31/7/13	100%	1009,1013
1020	40th sty	3 days	Wed 31/7/13	Fri 2/8/13	100%	1010,1014
1021	**Tiling works**	**101.3 days**	**Tue 16/7/13**	**Fri 25/10/13**	**94%**	
1022	33rd sty (Pent house)	3 days	Fri 19/7/13	Fri 25/10/13	95%	1002SS-1 day
1023	34th sty (Pent house)	3 days	Mon 22/7/13	Fri 25/10/13	90%	1003SS-1 day
1024	35th sty	3 days	Tue 16/7/13	Fri 25/10/13	99%	2
1025	36th sty	3 days	Thu 18/7/13	Fri 25/10/13	99%	1024SS+2 days
1026	37th sty	3 days	Sat 20/7/13	Fri 25/10/13	99%	1025SS+2 days
1027	38th sty	3 days	Mon 22/7/13	Fri 25/10/13	90%	1026SS+2 days
1028	39th sty	3 days	Thu 25/7/13	Fri 25/10/13	90%	1004SS-1 day
1029	40th sty	3 days	Sat 5/10/13	Fri 25/10/13	90%	1005SS-1 day
1030	**Aluminium window inner frame & glazing**	**12 days**	**Tue 16/7/13**	**Sat 27/7/13**	**100%**	
1031	33rd sty	4 days	Tue 16/7/13	Fri 19/7/13	100%	2
1032	39th sty	4 days	Sat 20/7/13	Tue 23/7/13	100%	1031
1033	40th sty	4 days	Wed 24/7/13	Sat 27/7/13	100%	1032
1034	**Living & Dining marble**	**85 days**	**Tue 16/7/13**	**Tue 8/10/13**	**100%**	
1035	30th sty	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
1036	31st sty	3 days	Fri 19/7/13	Sun 21/7/13	100%	1035
1037	32nd sty	3 days	Mon 22/7/13	Wed 24/7/13	100%	1036
1038	33rd sty	4 days	Thu 25/7/13	Sat 5/10/13	100%	1037
1039	34th sty	4 days	Mon 29/7/13	Tue 8/10/13	100%	1038
1040	35th sty	4 days	Fri 2/8/13	Mon 5/8/13	100%	1039
1041	36th sty	4 days	Tue 6/8/13	Fri 9/8/13	100%	1040
1042	37th sty	4 days	Sat 10/8/13	Tue 13/8/13	100%	1041
1043	38th sty	4 days	Wed 14/8/13	Sat 17/8/13	100%	1042
1044	39th sty	4 days	Sun 18/8/13	Sat 5/10/13	100%	1043
1045	40th sty	4 days	Thu 22/8/13	Sun 6/10/13	100%	1044
1046	**Timber floor**	**92.4 days**	**Thu 25/7/13**	**Fri 25/10/13**	**88%**	
1047	32nd sty	3 days	Thu 25/7/13	Fri 25/10/13	90%	1037
1048	33rd sty	3 days	Mon 29/7/13	Fri 25/10/13	90%	1038
1049	34th sty	3 days	Fri 2/8/13	Fri 25/10/13	90%	1039
1050	35th sty	2 days	Tue 6/8/13	Fri 25/10/13	90%	1040
1051	36th sty	2 days	Sat 10/8/13	Fri 25/10/13	90%	1041
1052	37th sty	2 days	Wed 14/8/13	Fri 25/10/13	90%	1042



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(Balance works completion for TOP)

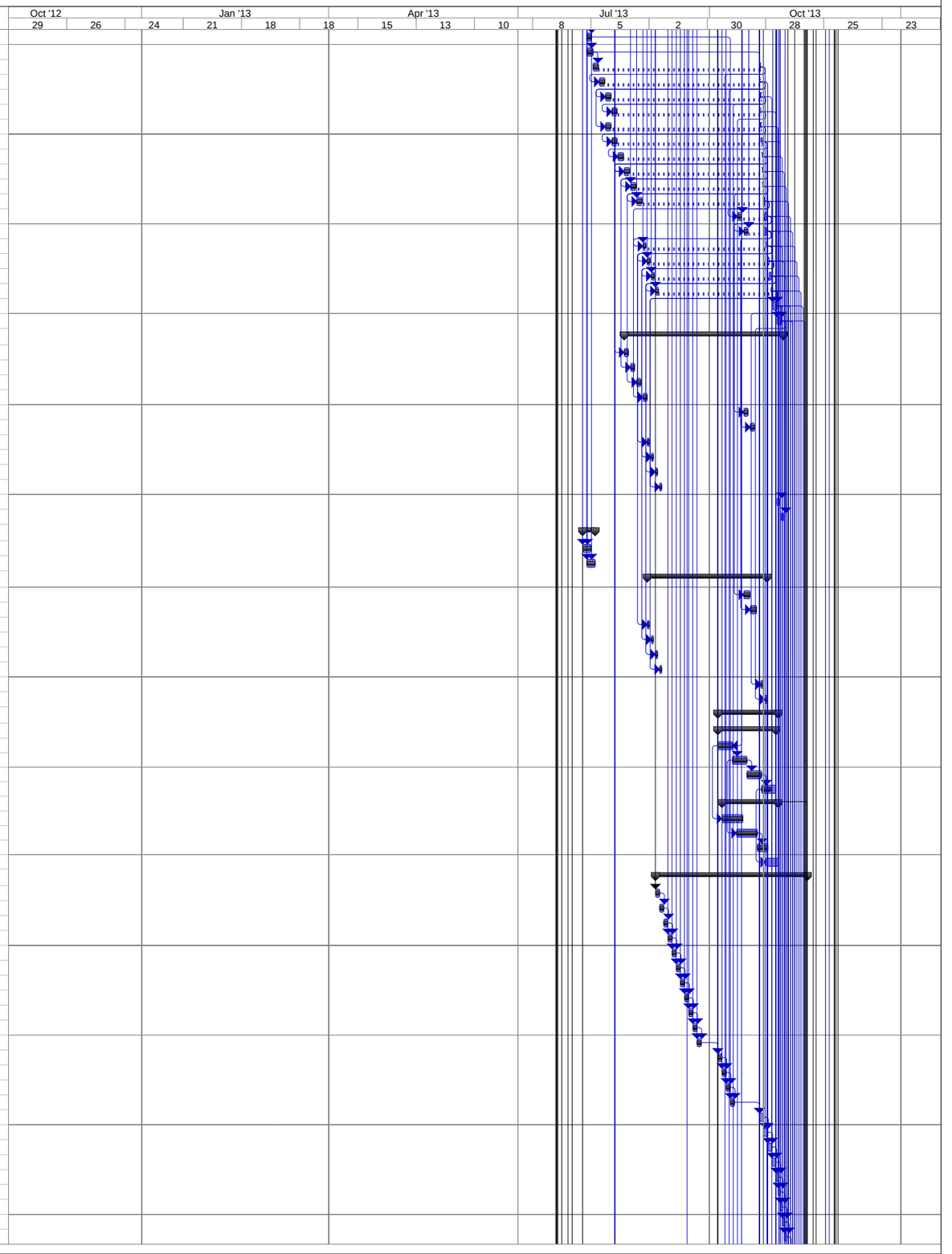
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
1053	38th sty	2 days	Sun 18/8/13	Fri 25/10/13	90%	1043
1054	39th sty	2 days	Thu 22/8/13	Fri 25/10/13	80%	1044
1055	40th sty	2 days	Mon 26/8/13	Fri 25/10/13	80%	1045
1056	**Timber floor - Grinding under wardrobe & door**	**93.6 days**	**Tue 16/7/13**	**Thu 17/10/13**	**100%**	
1057	30th sty	1 day	Tue 16/7/13	Tue 16/7/13	100%	2
1058	31st sty	1 day	Wed 17/7/13	Wed 17/7/13	100%	1057
1059	32nd sty	1 day	Sun 4/8/13	Sun 4/8/13	100%	1047FS+7 days
1060	33rd sty	1 day	Sun 13/10/13	Mon 14/10/13	100%	1048FS+7 days
1061	34th sty	1 day	Wed 16/10/13	Thu 17/10/13	100%	1049FS+7 days
1062	35th sty	1 day	Thu 15/8/13	Thu 15/8/13	100%	1050FS+7 days
1063	36th sty	1 day	Mon 19/8/13	Mon 19/8/13	100%	1051FS+7 days
1064	37th sty	1 day	Fri 23/8/13	Fri 23/8/13	100%	1052FS+7 days
1065	38th sty	1 day	Tue 27/8/13	Tue 27/8/13	100%	1053FS+7 days
1066	39th sty	1 day	Sun 13/10/13	Mon 14/10/13	100%	1054FS+7 days
1067	40th sty	1 day	Mon 14/10/13	Tue 15/10/13	100%	1055FS+7 days
1068	**Shower screen**	**107 days**	**Tue 16/7/13**	**Wed 30/10/13**	**50%**	
1069	33rd sty	3 days	Fri 25/10/13	Sun 27/10/13	0%	992,1016
1070	34th sty	3 days	Fri 25/10/13	Sun 27/10/13	0%	993,1017
1071	35th sty	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
1072	36th sty	3 days	Fri 19/7/13	Sun 21/7/13	100%	1071
1073	37th sty	3 days	Mon 22/7/13	Wed 24/7/13	100%	1072
1074	38th sty	3 days	Thu 1/8/13	Sat 3/8/13	100%	1073,1018
1075	39th sty	3 days	Fri 25/10/13	Sun 27/10/13	0%	1074,994,1019
1076	40th sty	3 days	Mon 28/10/13	Wed 30/10/13	0%	1075,995,1020
1077	**Door frame and panels**	**105 days**	**Tue 16/7/13**	**Mon 28/10/13**	**87%**	
1078	21st sty	3 days	Tue 16/7/13	Sat 5/10/13	100%	2
1079	22nd sty	3 days	Fri 19/7/13	Sat 5/10/13	100%	1078
1080	23rd sty	3 days	Mon 22/7/13	Sat 5/10/13	100%	1079
1081	24th sty	3 days	Thu 25/7/13	Sat 27/7/13	100%	1080
1082	25th sty	3 days	Sun 28/7/13	Tue 30/7/13	100%	1081
1083	26th sty	3 days	Wed 31/7/13	Fri 2/8/13	100%	1082
1084	27th sty	3 days	Sat 3/8/13	Mon 5/8/13	100%	1083
1085	28th sty	3 days	Tue 6/8/13	Thu 8/8/13	100%	1084
1086	29th sty	3 days	Fri 9/8/13	Sun 11/8/13	100%	1085
1087	30th sty	3 days	Mon 12/8/13	Wed 14/8/13	100%	1086,1057
1088	31st sty	3 days	Thu 15/8/13	Sat 17/8/13	100%	1087,1058
1089	32nd sty	3 days	Sun 18/8/13	Tue 20/8/13	100%	1088,1059
1090	33rd sty	3 days	Wed 21/8/13	Sat 26/10/13	50%	1089,1060
1091	34th sty	3 days	Sat 24/8/13	Sun 27/10/13	50%	1090,1061
1092	35th sty	2 days	Tue 27/8/13	Sat 19/10/13	100%	1091,1062
1093	36th sty	2 days	Thu 29/8/13	Sat 19/10/13	100%	1092,1063
1094	37th sty	2 days	Sat 31/8/13	Sat 19/10/13	100%	1093,1064
1095	38th sty	2 days	Mon 2/9/13	Sat 19/10/13	100%	1094,1065
1096	39th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1095,1066
1097	40th sty	2 days	Sun 27/10/13	Mon 28/10/13	0%	1096,1067
1098	**Balustrade & SS railing @ balcony & planters**	**105 days**	**Tue 16/7/13**	**Mon 28/10/13**	**80%**	
1099	16th sty	1 day	Tue 16/7/13	Tue 16/7/13	100%	2
1100	17th sty	1 day	Wed 17/7/13	Wed 17/7/13	100%	1099
1101	19th sty	1 day	Thu 18/7/13	Thu 18/7/13	100%	1100
1102	22nd sty	1 day	Fri 19/7/13	Fri 19/7/13	100%	1101
1103	23rd sty	2 days	Sat 20/7/13	Sun 21/7/13	100%	1102
1104	25th sty	2 days	Mon 22/7/13	Tue 23/7/13	100%	1103
1105	26th sty	2 days	Wed 24/7/13	Thu 25/7/13	100%	1104
1106	28th sty	2 days	Fri 26/7/13	Sat 27/7/13	100%	1105
1107	29th sty	2 days	Sun 28/7/13	Mon 29/7/13	100%	1106
1108	30th sty	2 days	Tue 30/7/13	Wed 31/7/13	100%	1107
1109	31st sty	2 days	Thu 1/8/13	Fri 2/8/13	100%	1108
1110	32nd sty	2 days	Sat 3/8/13	Sun 4/8/13	100%	1109
1111	33rd sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1110
1112	34th sty	2 days	Sun 27/10/13	Mon 28/10/13	0%	1111
1113	35th sty	1 day	Fri 9/8/13	Fri 9/8/13	100%	1112
1114	36th sty	1 day	Sat 10/8/13	Sat 10/8/13	100%	1113
1115	37th sty	1 day	Sun 11/8/13	Sun 11/8/13	100%	1114
1116	38th sty	1 day	Mon 12/8/13	Mon 12/8/13	100%	1115
1117	39th sty	1 day	Fri 25/10/13	Fri 25/10/13	0%	1116
1118	40th sty	1 day	Sat 26/10/13	Sat 26/10/13	0%	1117
1119	**Cabinets & Wardrobes installation (Balance work)**	**107.35 days**	**Sat 20/7/13**	**Mon 4/11/13**	**83%**	
1120	7th sty	1 day	Sat 20/7/13	Sat 20/7/13	100%	2FS+5 days
1121	8th sty	1 day	Sun 21/7/13	Sun 21/7/13	100%	1120
1122	9th sty	1 day	Mon 22/7/13	Mon 22/7/13	100%	1121
1123	10th sty	1 day	Tue 23/7/13	Tue 23/7/13	100%	1122
1124	11th sty	1 day	Wed 24/7/13	Wed 24/7/13	100%	1123
1125	12th sty	1 day	Thu 25/7/13	Thu 25/7/13	100%	1124
1126	13th sty	1 day	Wed 24/7/13	Wed 24/7/13	100%	1123
1127	14th sty	1 day	Thu 25/7/13	Thu 25/7/13	100%	1126
1128	15th sty	2 days	Fri 26/7/13	Sat 27/7/13	100%	1127
1129	16th sty	2 days	Sun 28/7/13	Mon 29/7/13	100%	1128
1130	17th sty	2 days	Tue 30/7/13	Wed 31/7/13	100%	1129
1131	18th sty	2 days	Sun 28/7/13	Mon 29/7/13	100%	1128
1132	19th sty	2 days	Tue 30/7/13	Wed 31/7/13	100%	1131
1133	20th sty	2 days	Thu 1/8/13	Fri 2/8/13	100%	1132



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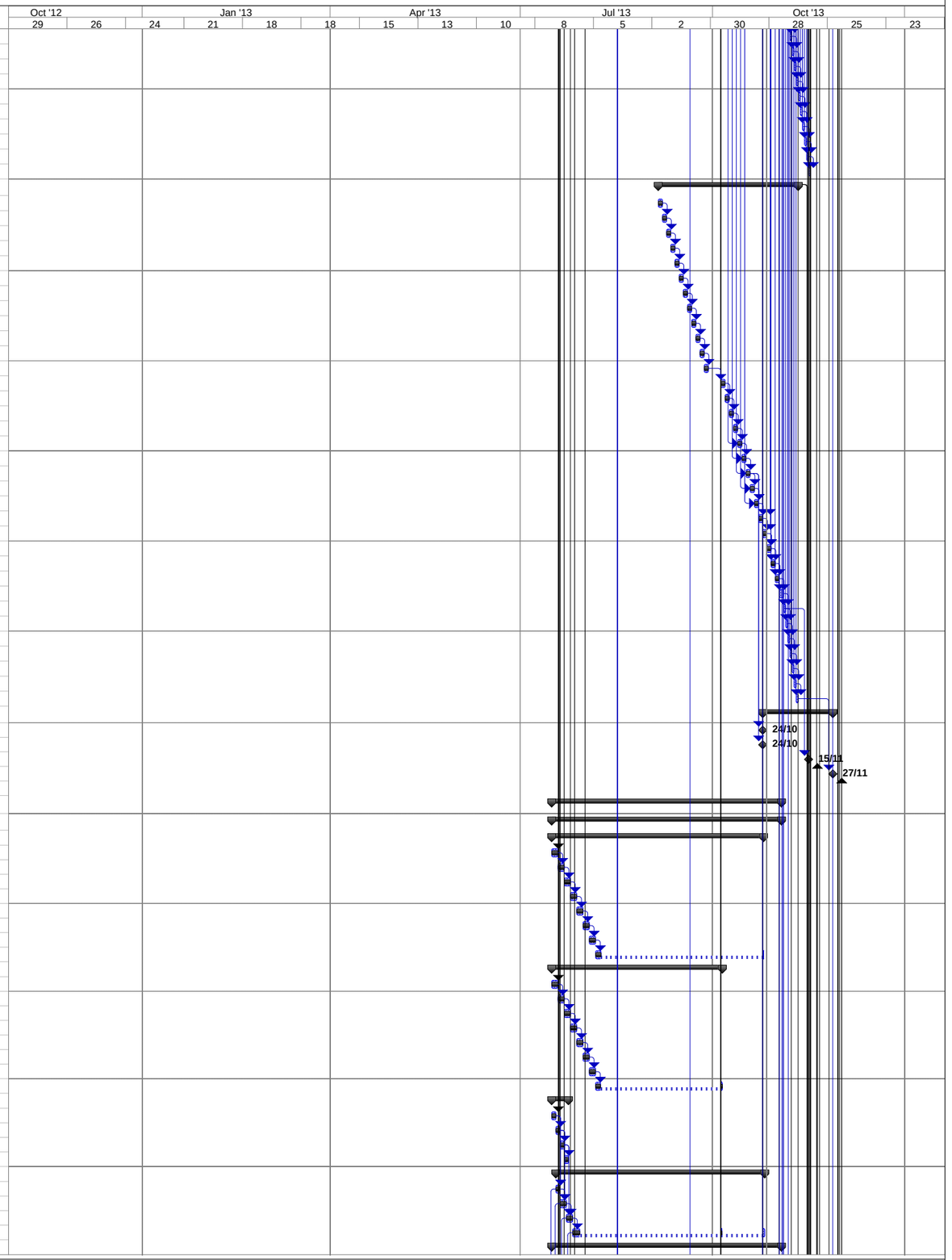
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
1134	21st sty	2 days	Sat 3/8/13	Sun 4/8/13	100%	1133
1135	22nd sty	3 days	Sat 3/8/13	Mon 5/8/13	100%	1133
1136	23rd sty	3 days	Tue 6/8/13	Fri 25/10/13	90%	1135
1137	24th sty	3 days	Fri 9/8/13	Fri 25/10/13	95%	1136
1138	25th sty	3 days	Mon 12/8/13	Fri 25/10/13	95%	1137
1139	26th sty	3 days	Thu 15/8/13	Fri 25/10/13	90%	1138
1140	27th sty	3 days	Mon 12/8/13	Fri 25/10/13	90%	1137
1141	28th sty	3 days	Thu 15/8/13	Sat 26/10/13	90%	1140
1142	29th sty	3 days	Sun 18/8/13	Sat 26/10/13	90%	1141
1143	30th sty	3 days	Wed 21/8/13	Sat 26/10/13	90%	1138,1142
1144	31st sty	3 days	Sat 24/8/13	Sat 26/10/13	90%	1143,1058
1145	32nd sty	3 days	Tue 27/8/13	Sun 27/10/13	90%	1144,1059
1146	33rd sty	3 days	Mon 14/10/13	Mon 28/10/13	60%	1145,1060
1147	34th sty	3 days	Thu 17/10/13	Mon 28/10/13	60%	1061,1144
1148	35th sty	2 days	Fri 30/8/13	Mon 28/10/13	60%	1062,1147
1149	36th sty	2 days	Sun 1/9/13	Tue 29/10/13	60%	1148,1063
1150	37th sty	2 days	Tue 3/9/13	Wed 30/10/13	60%	1149,1064
1151	38th sty	2 days	Thu 5/9/13	Thu 31/10/13	60%	1150,1065
1152	39th sty	2 days	Thu 31/10/13	Sat 2/11/13	0%	1151,1066
1153	40th sty	2 days	Sat 2/11/13	Mon 4/11/13	0%	1152,1067
1154	**Vanity basin**	**76.35 days**	**Wed 21/8/13**	**Tue 5/11/13**	**89%**	
1155	29th sty	2 days	Wed 21/8/13	Thu 22/8/13	100%	1142
1156	30th sty	2 days	Sat 24/8/13	Sun 25/8/13	100%	1143
1157	31st sty	2 days	Tue 27/8/13	Wed 28/8/13	100%	1144
1158	32nd sty	2 days	Fri 30/8/13	Sat 31/8/13	100%	1145
1159	33rd sty	2 days	Thu 17/10/13	Sat 19/10/13	100%	1146
1160	34th sty	2 days	Sun 20/10/13	Tue 22/10/13	100%	1147
1161	35th sty	1 day	Sun 1/9/13	Sun 1/9/13	100%	1148
1162	36th sty	1 day	Tue 3/9/13	Tue 3/9/13	100%	1149
1163	37th sty	1 day	Thu 5/9/13	Thu 5/9/13	100%	1150
1164	38th sty	1 day	Sat 7/9/13	Sat 7/9/13	100%	1151
1165	39th sty	1 day	Sat 2/11/13	Sun 3/11/13	0%	1152
1166	40th sty	1 day	Mon 4/11/13	Tue 5/11/13	0%	1153
1167	**Long bath**	**6 days**	**Thu 1/8/13**	**Tue 6/8/13**	**100%**	
1168	39th sty	4 days	Thu 1/8/13	Sun 4/8/13	100%	1019,994
1169	40th sty	4 days	Sat 3/8/13	Tue 6/8/13	100%	1020,995
1170	**WC**	**57.8 days**	**Sun 1/9/13**	**Mon 28/10/13**	**100%**	
1171	33rd sty	3 days	Thu 17/10/13	Sun 20/10/13	100%	1146
1172	34th sty	3 days	Sun 20/10/13	Wed 23/10/13	100%	1147
1173	35th sty	1 day	Sun 1/9/13	Sun 1/9/13	100%	1148
1174	36th sty	1 day	Tue 3/9/13	Tue 3/9/13	100%	1149
1175	37th sty	1 day	Thu 5/9/13	Thu 5/9/13	100%	1150
1176	38th sty	1 day	Sat 7/9/13	Sat 7/9/13	100%	1151
1177	39th sty	1 day	Fri 25/10/13	Sat 26/10/13	100%	1152
1178	40th sty	1 day	Sun 27/10/13	Mon 28/10/13	100%	1153
1179	**Household shelter**	**29 days**	**Sat 5/10/13**	**Sat 2/11/13**	**85%**	
1180	**Vent sleeve & Gasket installation**	**28 days**	**Sat 5/10/13**	**Fri 1/11/13**	**90%**	
1181	7th to 16th sty	7 days	Sat 5/10/13	Fri 11/10/13	100%	1129FF+2 days
1182	17th to 26th sty	7 days	Sat 12/10/13	Fri 18/10/13	100%	1181
1183	27th to 32th sty	7 days	Sat 19/10/13	Fri 25/10/13	100%	1182
1184	33rd to 39 sty	7 days	Sat 26/10/13	Fri 1/11/13	60%	1183
1185	**Testing & Commissioning**	**27 days**	**Mon 7/10/13**	**Sat 2/11/13**	**81%**	
1186	7th to 16th sty	10 days	Mon 7/10/13	Wed 16/10/13	100%	1181SS+2 days
1187	17th to 26th sty	10 days	Mon 14/10/13	Wed 23/10/13	100%	1182SS+2 days
1188	27th to 32th sty	5 days	Thu 24/10/13	Mon 28/10/13	100%	1187
1189	33rd to 39 sty	6 days	Mon 28/10/13	Sat 2/11/13	0%	1184SS+2 days
1190	**M&E Testing & Commissioning for units**	**73 days**	**Thu 5/9/13**	**Sat 16/11/13**	**57%**	
1191	7th sty	2 days	Thu 5/9/13	Fri 6/9/13	100%	2
1192	8th sty	2 days	Sat 7/9/13	Sun 8/9/13	100%	1191
1193	9th sty	2 days	Mon 9/9/13	Tue 10/9/13	100%	1192
1194	10th sty	2 days	Wed 11/9/13	Thu 12/9/13	100%	1193,1123
1195	11th sty	2 days	Fri 13/9/13	Sat 14/9/13	100%	1194,1124
1196	12th sty	2 days	Sun 15/9/13	Mon 16/9/13	100%	1195,1125
1197	13th sty	2 days	Tue 17/9/13	Wed 18/9/13	100%	1196,1126
1198	14th sty	2 days	Thu 19/9/13	Fri 20/9/13	100%	1197,1127
1199	15th sty	2 days	Sat 21/9/13	Sun 22/9/13	100%	1198,1128
1200	16th sty	2 days	Mon 23/9/13	Tue 24/9/13	100%	1199,1129
1201	17th sty	2 days	Wed 25/9/13	Thu 26/9/13	100%	1200,1130
1202	18th sty	2 days	Sat 5/10/13	Sun 6/10/13	100%	1201,1131
1203	19th sty	2 days	Mon 7/10/13	Tue 8/10/13	100%	1202,1132
1204	20th sty	2 days	Wed 9/10/13	Thu 10/10/13	100%	1203,1133
1205	21st sty	2 days	Fri 11/10/13	Sat 12/10/13	100%	1204,1134
1206	22nd sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1205,1135
1207	23rd sty	2 days	Sun 27/10/13	Mon 28/10/13	0%	1206,1136
1208	24th sty	2 days	Tue 29/10/13	Wed 30/10/13	0%	1207,1137
1209	25th sty	2 days	Thu 31/10/13	Fri 1/11/13	0%	1208,1138
1210	26th sty	1 day	Sat 2/11/13	Sat 2/11/13	0%	1209,1139
1211	27th sty	1 day	Sun 3/11/13	Sun 3/11/13	0%	1210,1140
1212	28th sty	1 day	Mon 4/11/13	Mon 4/11/13	0%	1211,1141
1213	29th sty	1 day	Tue 5/11/13	Tue 5/11/13	0%	1212,1142
1214	30th sty	1 day	Wed 6/11/13	Wed 6/11/13	0%	1213,1143



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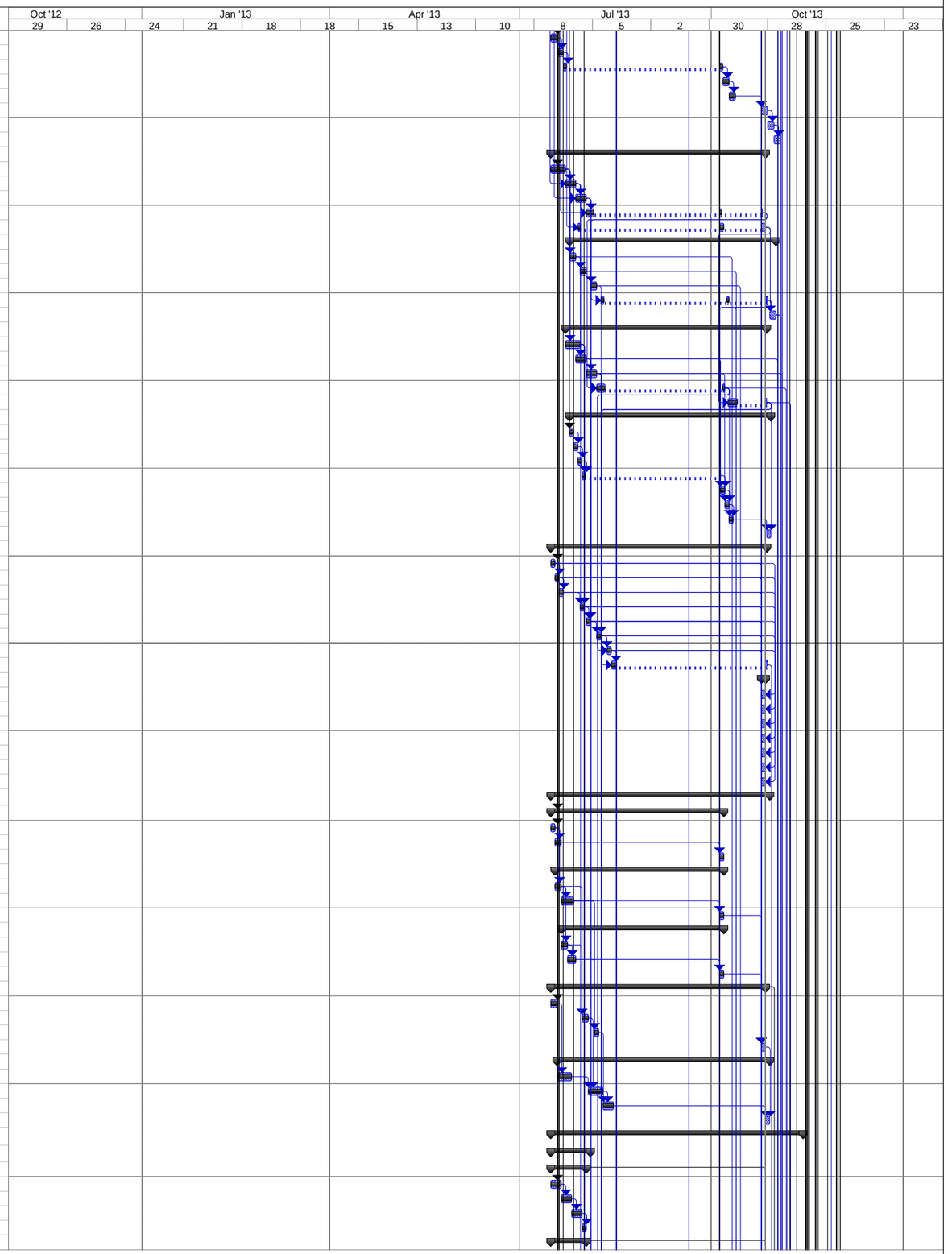
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
1215	31st sty	1 day	Thu 7/11/13	Thu 7/11/13	0%	1214,1144
1216	32nd sty	1 day	Fri 8/11/13	Fri 8/11/13	0%	1215,1145
1217	33rd sty	1 day	Sat 9/11/13	Sat 9/11/13	0%	1216,1146
1218	34th sty	1 day	Sun 10/11/13	Sun 10/11/13	0%	1217,1147
1219	35th sty	1 day	Mon 11/11/13	Mon 11/11/13	0%	1218,1148
1220	36th sty	1 day	Tue 12/11/13	Tue 12/11/13	0%	1219,1149
1221	37th sty	1 day	Wed 13/11/13	Wed 13/11/13	0%	1220,1150
1222	38th sty	1 day	Thu 14/11/13	Thu 14/11/13	0%	1221,1151
1223	39th sty	1 day	Fri 15/11/13	Fri 15/11/13	0%	1222,1152
1224	40th sty	1 day	Sat 16/11/13	Sat 16/11/13	0%	1223,1153
1225	**Fixing appliances & fittings**	**67 days**	**Thu 5/9/13**	**Sun 10/11/13**	**85%**	
1226	7th sty	2 days	Thu 5/9/13	Fri 6/9/13	100%	
1227	8th sty	2 days	Sat 7/9/13	Sun 8/9/13	100%	1226
1228	9th sty	2 days	Mon 9/9/13	Tue 10/9/13	100%	1227
1229	10th sty	2 days	Wed 11/9/13	Thu 12/9/13	100%	1228
1230	11th sty	2 days	Fri 13/9/13	Sat 14/9/13	100%	1229
1231	12th sty	2 days	Sun 15/9/13	Mon 16/9/13	100%	1230
1232	13th sty	2 days	Tue 17/9/13	Wed 18/9/13	100%	1231
1233	14th sty	2 days	Thu 19/9/13	Fri 20/9/13	100%	1232
1234	15th sty	2 days	Sat 21/9/13	Sun 22/9/13	100%	1233
1235	16th sty	2 days	Mon 23/9/13	Tue 24/9/13	100%	1234
1236	17th sty	2 days	Wed 25/9/13	Thu 26/9/13	100%	1235
1237	18th sty	2 days	Fri 27/9/13	Sat 28/9/13	100%	1236
1238	19th sty	2 days	Sat 5/10/13	Sun 6/10/13	100%	1237
1239	20th sty	2 days	Mon 7/10/13	Tue 8/10/13	100%	1238
1240	21st sty	2 days	Wed 9/10/13	Thu 10/10/13	100%	1239
1241	22nd sty	2 days	Fri 11/10/13	Sat 12/10/13	100%	1240
1242	23rd sty	2 days	Sun 13/10/13	Mon 14/10/13	100%	1136,1241
1243	24th sty	2 days	Tue 15/10/13	Wed 16/10/13	100%	1137,1242
1244	25th sty	2 days	Thu 17/10/13	Fri 18/10/13	100%	1138,1243
1245	26th sty	2 days	Sat 19/10/13	Sun 20/10/13	100%	1139,1244
1246	27th sty	2 days	Mon 21/10/13	Tue 22/10/13	100%	1140,1245
1247	28th sty	2 days	Wed 23/10/13	Thu 24/10/13	100%	1141,1246
1248	29th sty	2 days	Fri 25/10/13	Sat 26/10/13	100%	1142,1247
1249	30th sty	2 days	Sun 27/10/13	Mon 28/10/13	100%	1143,1248
1250	31st sty	2 days	Tue 29/10/13	Wed 30/10/13	100%	1144,1249
1251	32nd sty	2 days	Thu 31/10/13	Fri 1/11/13	100%	1145,1250
1252	33rd sty	2 days	Sat 2/11/13	Sun 3/11/13	0%	1146,1251
1253	34th sty	1 day	Mon 4/11/13	Mon 4/11/13	0%	1147,1252
1254	35th sty	1 day	Tue 5/11/13	Tue 5/11/13	0%	1148,1253
1255	36th sty	1 day	Wed 6/11/13	Wed 6/11/13	0%	1149,1254
1256	37th sty	1 day	Thu 7/11/13	Thu 7/11/13	0%	1150,1255
1257	38th sty	1 day	Fri 8/11/13	Fri 8/11/13	0%	1151,1256
1258	39th sty	1 day	Sat 9/11/13	Sat 9/11/13	0%	1152,1257
1259	40th sty	1 day	Sun 10/11/13	Sun 10/11/13	0%	1153,1258
1260	**Tower-2 balance mock-up units completion**	**33.7 days**	**Thu 24/10/13**	**Wed 27/11/13**	**0%**	
1261	**Unit #25-03**	**0 days**	**Thu 24/10/13**	**Thu 24/10/13**	**0%**	**1244**
1262	**Unit #25-06**	**0 days**	**Thu 24/10/13**	**Thu 24/10/13**	**0%**	**1244**
1263	**Unit #33-01**	**0 days**	**Fri 15/11/13**	**Fri 15/11/13**	**0%**	**1253,1812**
1264	**Unit #39-08**	**0 days**	**Wed 27/11/13**	**Wed 27/11/13**	**0%**	**1259,1826**
1265						
1266	**Tower-2 (Archi finishes for Lobby & Staircase)**	**110 days**	**Tue 16/7/13**	**Sat 2/11/13**	**86%**	
1267	**Lobby**	**110 days**	**Tue 16/7/13**	**Sat 2/11/13**	**84%**	
1268	**M&E works above ceiling**	**101.3 days**	**Tue 16/7/13**	**Fri 25/10/13**	**99%**	
1269	7th to 11th sty	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
1270	12th to 16th sty	3 days	Fri 19/7/13	Sun 21/7/13	100%	1269
1271	17th to 21th sty	3 days	Mon 22/7/13	Wed 24/7/13	100%	1270
1272	22th to 26th sty	3 days	Thu 25/7/13	Sat 27/7/13	100%	1271
1273	27th to 31th sty	3 days	Sun 28/7/13	Tue 30/7/13	100%	1272
1274	32th to 36th sty	3 days	Wed 31/7/13	Fri 2/8/13	100%	1273
1275	37th to 40th sty	3 days	Sat 3/8/13	Mon 5/8/13	100%	1274
1276	6th sty to B2	3 days	Tue 6/8/13	Fri 25/10/13	90%	1275
1277	**Metal Door panel (Riser)**	**81.9 days**	**Tue 16/7/13**	**Sat 5/10/13**	**100%**	
1278	7th to 11th sty	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
1279	12th to 16th sty	3 days	Fri 19/7/13	Sun 21/7/13	100%	1278
1280	17th to 21th sty	3 days	Mon 22/7/13	Wed 24/7/13	100%	1279
1281	22th to 26th sty	3 days	Thu 25/7/13	Sat 27/7/13	100%	1280
1282	27th to 31th sty	3 days	Sun 28/7/13	Tue 30/7/13	100%	1281
1283	32th to 36th sty	3 days	Wed 31/7/13	Fri 2/8/13	100%	1282
1284	37th to 40th sty	3 days	Sat 3/8/13	Mon 5/8/13	100%	1283
1285	6th sty to B2	3 days	Tue 6/8/13	Sat 5/10/13	100%	1284
1286	**Lift door jamb grouting**	**8 days**	**Tue 16/7/13**	**Tue 23/7/13**	**100%**	
1287	25th to 31th sty	2 days	Tue 16/7/13	Wed 17/7/13	100%	2
1288	32th to 36th sty	2 days	Thu 18/7/13	Fri 19/7/13	100%	1287
1289	37th to 40th sty	2 days	Sat 20/7/13	Sun 21/7/13	100%	1288
1290	5th sty to B2	2 days	Mon 22/7/13	Tue 23/7/13	100%	1289
1291	**Wall marble at lobby & units entrance**	**100 days**	**Thu 18/7/13**	**Fri 25/10/13**	**92%**	
1292	27th to 31th sty	2 days	Thu 18/7/13	Fri 19/7/13	100%	1287
1293	32th to 36th sty	3 days	Sat 20/7/13	Mon 22/7/13	100%	1292,1288
1294	37th to 40th sty	3 days	Tue 23/7/13	Thu 25/7/13	100%	1293,1289
1295	5th sty to B2	5 days	Fri 26/7/13	Fri 25/10/13	80%	1294
1296	**Timber laminate panel wall @ corridor**	**110 days**	**Tue 16/7/13**	**Sat 2/11/13**	**63%**	



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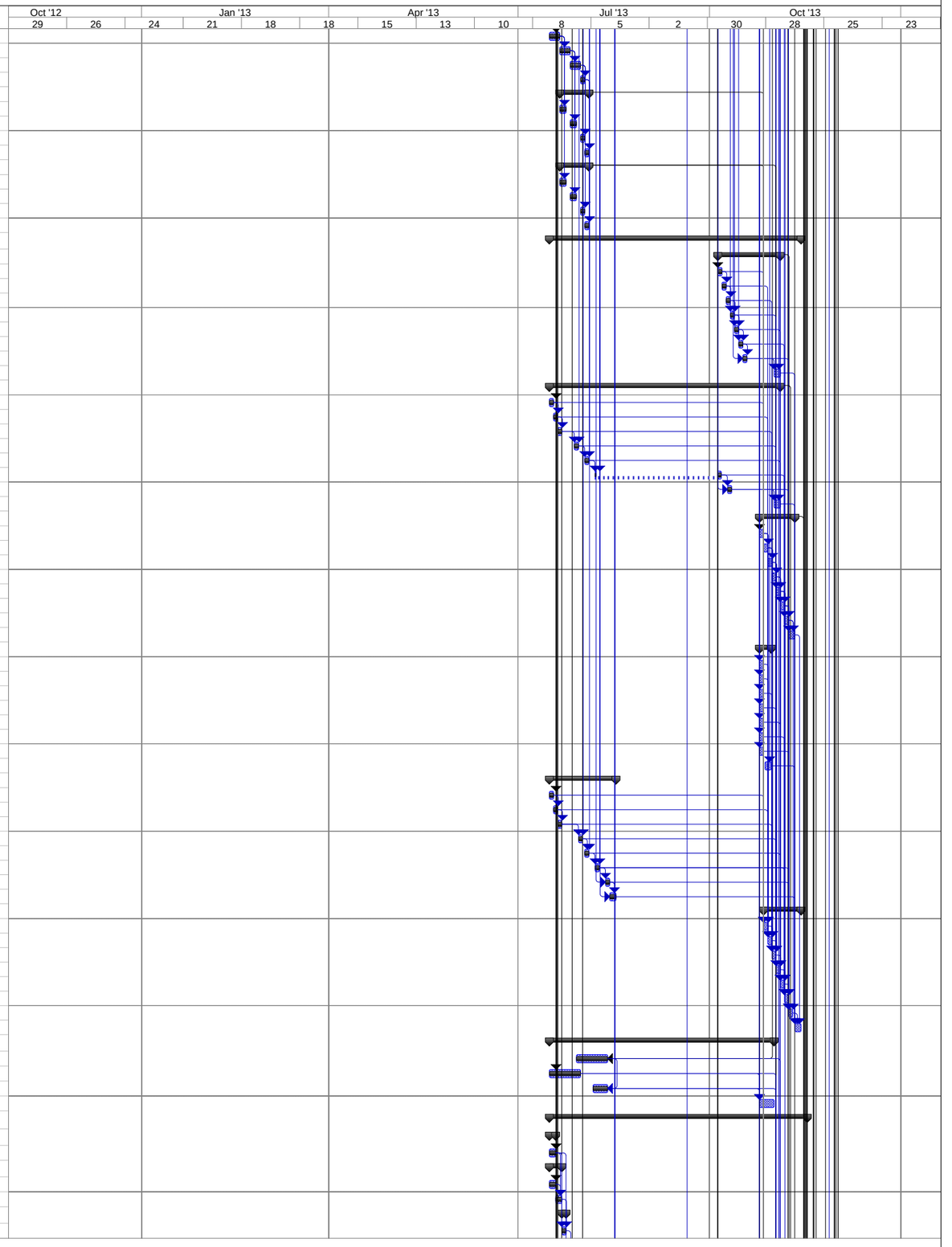
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
1297	7th to 11th sty	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
1298	12th to 16th sty	3 days	Fri 19/7/13	Sun 21/7/13	100%	1297
1299	17th to 21th sty	3 days	Mon 22/7/13	Sun 6/10/13	100%	1298
1300	22th to 26th sty	3 days	Sun 6/10/13	Wed 9/10/13	100%	1299
1301	27th to 31th sty	3 days	Wed 9/10/13	Sat 12/10/13	100%	1300
1302	32th to 36th sty	3 days	Fri 25/10/13	Sun 27/10/13	0%	1301
1303	37th to 40th sty	3 days	Mon 28/10/13	Wed 30/10/13	0%	1302
1304	5th sty to B2	3 days	Thu 31/10/13	Sat 2/11/13	0%	1303
1305	**False ceiling**	**103 days**	**Tue 16/7/13**	**Sat 26/10/13**	**92%**	
1306	20th to 26th sty	7 days	Tue 16/7/13	Mon 22/7/13	100%	2
1307	27th to 31th sty	5 days	Tue 23/7/13	Sat 27/7/13	100%	1306,1292SS+3 days
1308	32th to 36th sty	5 days	Sun 28/7/13	Thu 1/8/13	100%	1307,1293SS+3 days
1309	37th to 40th sty	5 days	Fri 2/8/13	Fri 25/10/13	95%	1308,1294SS+3 days
1310	5th sty to B2	5 days	Mon 29/7/13	Sat 26/10/13	60%	1295SS+3 days
1311	**Ceiling Painting**	**99 days**	**Thu 25/7/13**	**Thu 31/10/13**	**78%**	
1312	20th to 26th sty	3 days	Thu 25/7/13	Sat 27/7/13	100%	1306FS+2 days
1313	27th to 31th sty	3 days	Tue 30/7/13	Thu 1/8/13	100%	1307FS+2 days
1314	32th to 36th sty	3 days	Sun 4/8/13	Tue 6/8/13	100%	1308FS+2 days
1315	37th to 40th sty	3 days	Fri 9/8/13	Sun 27/10/13	90%	1309FS+2 days
1316	5th sty to B2	3 days	Tue 29/10/13	Thu 31/10/13	0%	1310FS+2 days
1317	**Granite floor**	**96.5 days**	**Tue 23/7/13**	**Sun 27/10/13**	**98%**	
1318	20th to 26th sty	7 days	Tue 23/7/13	Mon 29/7/13	100%	1306
1319	27th to 31th sty	5 days	Sun 28/7/13	Thu 1/8/13	100%	1307
1320	32th to 36th sty	5 days	Fri 2/8/13	Tue 6/8/13	100%	1308
1321	37th to 40th sty	5 days	Wed 7/8/13	Mon 7/10/13	100%	1309
1322	5th sty to B2	5 days	Wed 9/10/13	Sun 27/10/13	90%	1310
1323	**Back painted glass @ call button area**	**96.5 days**	**Thu 25/7/13**	**Tue 29/10/13**	**88%**	
1324	7th to 11th sty	2 days	Thu 25/7/13	Fri 26/7/13	100%	2FS+10 days
1325	12th to 16th sty	2 days	Sat 27/7/13	Sun 28/7/13	100%	1324
1326	17th to 21th sty	2 days	Mon 29/7/13	Tue 30/7/13	100%	1325
1327	22th to 26th sty	2 days	Wed 31/7/13	Sat 5/10/13	100%	1326,1318
1328	27th to 31th sty	2 days	Sat 5/10/13	Mon 7/10/13	100%	1327,1319
1329	32th to 36th sty	2 days	Mon 7/10/13	Wed 9/10/13	100%	1328,1320
1330	37th to 40th sty	2 days	Wed 9/10/13	Fri 11/10/13	100%	1329,1321
1331	5th sty to B2	2 days	Sun 27/10/13	Tue 29/10/13	0%	1330,1322
1332	**Timber Door panel (Riser & Lobby)**	**103.8 days**	**Tue 16/7/13**	**Sun 27/10/13**	**98%**	
1333	7th to 11th sty	2 days	Tue 16/7/13	Wed 17/7/13	100%	2
1334	12th to 16th sty	2 days	Thu 18/7/13	Fri 19/7/13	100%	1333
1335	17th to 21th sty	2 days	Sat 20/7/13	Sun 21/7/13	100%	1334
1336	22th to 26th sty	2 days	Tue 30/7/13	Wed 31/7/13	100%	1335,1318
1337	27th to 31th sty	2 days	Fri 2/8/13	Sat 3/8/13	100%	1336,1319
1338	32th to 36th sty	2 days	Wed 7/8/13	Thu 8/8/13	100%	1337,1320
1339	37th to 40th sty	2 days	Mon 12/8/13	Tue 13/8/13	100%	1338,1321
1340	5th sty to B2	3 days	Wed 14/8/13	Sun 27/10/13	90%	1339,1322
1341	**Refuse chute hoppers**	**2 days**	**Fri 25/10/13**	**Sat 26/10/13**	**0%**	
1342	7th to 11th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1333FF
1343	12th to 16th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1334FF
1344	17th to 21th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1335FF
1345	22th to 26th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1336FF
1346	27th to 31th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1337FF
1347	32th to 36th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1338FF
1348	37th to 40th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1339FF
1349	**Staircase**	**105 days**	**Tue 16/7/13**	**Mon 28/10/13**	**93%**	
1350	**Metal railing base palte**	**83 days**	**Tue 16/7/13**	**Sun 6/10/13**	**100%**	**2**
1351	37th to 42th sty	2 days	Tue 16/7/13	Wed 17/7/13	100%	2
1352	1st to 6th sty	3 days	Thu 18/7/13	Sat 20/7/13	100%	1351
1353	B1 & B2	2 days	Sat 5/10/13	Sun 6/10/13	100%	1352
1354	**Plastering**	**81 days**	**Thu 18/7/13**	**Sun 6/10/13**	**100%**	
1355	37th to 42th sty	3 days	Thu 18/7/13	Sat 20/7/13	100%	1351
1356	1st to 6th sty	6 days	Sun 21/7/13	Fri 26/7/13	100%	1355
1357	B1 & B2	2 days	Sat 5/10/13	Sun 6/10/13	100%	1356
1358	**Metal railing**	**78 days**	**Sun 21/7/13**	**Sun 6/10/13**	**100%**	
1359	37th to 42th sty	3 days	Sun 21/7/13	Tue 23/7/13	100%	1355
1360	1st to 6th sty	4 days	Wed 24/7/13	Sat 27/7/13	100%	1359
1361	B1 & B2	2 days	Sat 5/10/13	Sun 6/10/13	100%	1360
1362	**Painting work**	**103 days**	**Tue 16/7/13**	**Sat 26/10/13**	**80%**	
1363	7th to 19th sty	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
1364	20th to 42ndh sty	3 days	Wed 31/7/13	Fri 2/8/13	100%	1355FS+10 days,1359
1365	1st to 6th sty	2 days	Tue 6/8/13	Wed 7/8/13	100%	1356FS+10 days,1360
1366	B1 & B2	2 days	Fri 25/10/13	Sat 26/10/13	0%	1357FS+10 days,1361
1367	**Staircase - steps nosing**	**102 days**	**Fri 19/7/13**	**Mon 28/10/13**	**90%**	
1368	7th to 19th sty	7 days	Fri 19/7/13	Thu 25/7/13	100%	1363
1369	20th to 42nd sty	7 days	Sat 3/8/13	Fri 9/8/13	100%	1368,1364
1370	1st to 6th sty	5 days	Sat 10/8/13	Wed 14/8/13	100%	1369,1365
1371	B1 & B2	2 days	Sun 27/10/13	Mon 28/10/13	0%	1370,1366
1372	**Tower-2 (M&E works Lobby & Staircase)**	**121 days**	**Tue 16/7/13**	**Wed 13/11/13**	**68%**	
1373	**At riser**	**19 days**	**Tue 16/7/13**	**Sat 3/8/13**	**100%**	
1374	**Electrical riser**	**17 days**	**Tue 16/7/13**	**Thu 1/8/13**	**100%**	
1375	7th to 19th sty	5 days	Tue 16/7/13	Sat 20/7/13	100%	2
1376	20th to 40th sty	5 days	Sun 21/7/13	Thu 25/7/13	100%	1375
1377	1st to 6th sty	5 days	Fri 26/7/13	Tue 30/7/13	100%	1376
1378	B1 & B2	2 days	Wed 31/7/13	Thu 1/8/13	100%	1377
1379	**Tel riser**	**17 days**	**Tue 16/7/13**	**Thu 1/8/13**	**100%**	



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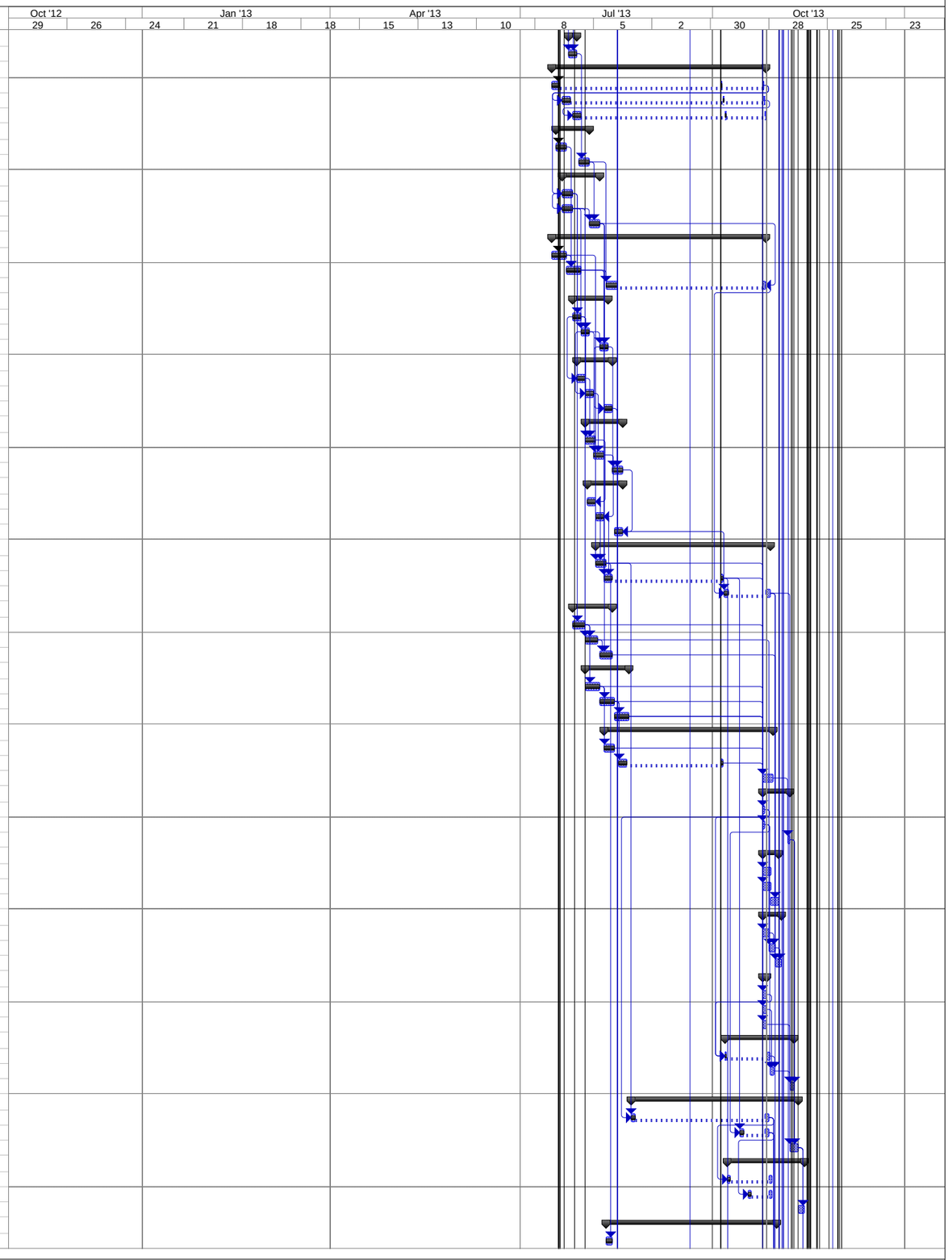
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
1380	7th to 19th sty	5 days	Tue 16/7/13	Sat 20/7/13	100%	2
1381	20th to 40th sty	5 days	Sun 21/7/13	Thu 25/7/13	100%	1380
1382	1st to 6th sty	5 days	Fri 26/7/13	Tue 30/7/13	100%	1381
1383	B1 & B2	2 days	Wed 31/7/13	Thu 1/8/13	100%	1382
1384	**Water riser main**	**14 days**	**Sun 21/7/13**	**Sat 3/8/13**	**100%**	
1385	7th to 19th sty	3 days	Sun 21/7/13	Tue 23/7/13	100%	1380
1386	20th to 40th sty	3 days	Fri 26/7/13	Sun 28/7/13	100%	1381
1387	1st to 6th sty	2 days	Wed 31/7/13	Thu 1/8/13	100%	1382
1388	B1 & B2	2 days	Fri 2/8/13	Sat 3/8/13	100%	1383
1389	**Fire riser main**	**14 days**	**Sun 21/7/13**	**Sat 3/8/13**	**100%**	
1390	7th to 19th sty	3 days	Sun 21/7/13	Tue 23/7/13	100%	1380
1391	20th to 40th sty	3 days	Fri 26/7/13	Sun 28/7/13	100%	1381
1392	1st to 6th sty	2 days	Wed 31/7/13	Thu 1/8/13	100%	1382
1393	B1 & B2	2 days	Fri 2/8/13	Sat 3/8/13	100%	1383
1394	**Lobby**	**121 days**	**Tue 16/7/13**	**Wed 13/11/13**	**44%**	
1395	**Light fittings**	**30 days**	**Sat 5/10/13**	**Sun 3/11/13**	**82%**	
1396	7th to 11th sty	2 days	Sat 5/10/13	Sun 6/10/13	100%	2FS+10 days
1397	12th to 16th sty	2 days	Mon 7/10/13	Tue 8/10/13	100%	1396
1398	17th to 21th sty	2 days	Wed 9/10/13	Thu 10/10/13	100%	1397
1399	22th to 26th sty	2 days	Fri 11/10/13	Sat 12/10/13	100%	1398,1312
1400	27th to 31th sty	2 days	Sun 13/10/13	Mon 14/10/13	100%	1399,1313
1401	32th to 36th sty	2 days	Tue 15/10/13	Wed 16/10/13	100%	1400,1314
1402	37th to 40th sty	2 days	Thu 17/10/13	Fri 18/10/13	100%	1401,1315
1403	5th sty to B2	3 days	Fri 1/11/13	Sun 3/11/13	0%	1402,1316
1404	**MV grilles**	**111 days**	**Tue 16/7/13**	**Sun 3/11/13**	**82%**	
1405	7th to 11th sty	2 days	Tue 16/7/13	Wed 17/7/13	100%	2
1406	12th to 16th sty	2 days	Thu 18/7/13	Fri 19/7/13	100%	1405
1407	17th to 21th sty	2 days	Sat 20/7/13	Sun 21/7/13	100%	1406
1408	22th to 26th sty	2 days	Sun 28/7/13	Mon 29/7/13	100%	1407,1312
1409	27th to 31th sty	2 days	Fri 2/8/13	Sat 3/8/13	100%	1408,1313
1410	32th to 36th sty	2 days	Wed 7/8/13	Sun 6/10/13	100%	1409,1314
1411	37th to 40th sty	2 days	Wed 9/10/13	Fri 11/10/13	100%	1410,1315
1412	5th sty to B2	3 days	Fri 1/11/13	Sun 3/11/13	0%	1411,1316
1413	**Fire alarm bell & call point**	**17 days**	**Fri 25/10/13**	**Sun 10/11/13**	**0%**	
1414	7th to 11th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	2
1415	12th to 16th sty	2 days	Sun 27/10/13	Mon 28/10/13	0%	1414
1416	17th to 21th sty	2 days	Tue 29/10/13	Wed 30/10/13	0%	1415
1417	22th to 26th sty	2 days	Thu 31/10/13	Fri 1/11/13	0%	1416
1418	27th to 31th sty	2 days	Sat 2/11/13	Sun 3/11/13	0%	1417,1319
1419	32th to 36th sty	2 days	Mon 4/11/13	Tue 5/11/13	0%	1418,1320
1420	37th to 40th sty	2 days	Wed 6/11/13	Thu 7/11/13	0%	1419,1321
1421	5th sty to B2	3 days	Fri 8/11/13	Sun 10/11/13	0%	1420,1322
1422	**Magnetic catch in the fire door**	**5.8 days**	**Fri 25/10/13**	**Wed 30/10/13**	**0%**	
1423	7th to 11th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1333
1424	12th to 16th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1334
1425	17th to 21th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1335
1426	22th to 26th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1336
1427	27th to 31th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1337
1428	32th to 36th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1338
1429	37th to 40th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1339
1430	5th sty to B2	3 days	Sun 27/10/13	Wed 30/10/13	0%	1340
1431	**Smart drain**	**32 days**	**Tue 16/7/13**	**Fri 16/8/13**	**100%**	
1432	7th to 11th sty	2 days	Tue 16/7/13	Wed 17/7/13	100%	2
1433	12th to 16th sty	2 days	Thu 18/7/13	Fri 19/7/13	100%	1432
1434	17th to 21th sty	2 days	Sat 20/7/13	Sun 21/7/13	100%	1433
1435	22th to 26th sty	2 days	Tue 30/7/13	Wed 31/7/13	100%	1434,1318
1436	27th to 31th sty	2 days	Fri 2/8/13	Sat 3/8/13	100%	1435,1319
1437	32th to 36th sty	2 days	Wed 7/8/13	Thu 8/8/13	100%	1436,1320
1438	37th to 40th sty	2 days	Mon 12/8/13	Tue 13/8/13	100%	1437,1321
1439	5th sty to B2	3 days	Wed 14/8/13	Fri 16/8/13	100%	1438,1322
1440	**M&E Testing & Comissioning at lobby**	**18 days**	**Sun 27/10/13**	**Wed 13/11/13**	**0%**	
1441	7th to 11th sty	2 days	Sun 27/10/13	Mon 28/10/13	0%	1396,1405,1414,1423,1432,1374,1379,1384,1389
1442	12th to 16th sty	2 days	Tue 29/10/13	Wed 30/10/13	0%	1397,1406,1415,1424,1433,1441
1443	17th to 21th sty	2 days	Thu 31/10/13	Fri 1/11/13	0%	1398,1407,1416,1425,1434,1442
1444	22th to 26th sty	2 days	Sat 2/11/13	Sun 3/11/13	0%	1399,1408,1417,1426,1435,1443
1445	27th to 31th sty	2 days	Mon 4/11/13	Tue 5/11/13	0%	1400,1409,1418,1427,1436,1444
1446	32th to 36th sty	2 days	Wed 6/11/13	Thu 7/11/13	0%	1401,1410,1419,1428,1437,1445
1447	37th to 40th sty	2 days	Fri 8/11/13	Sat 9/11/13	0%	1402,1411,1420,1429,1438,1437
1448	5th sty to B2	3 days	Mon 11/11/13	Wed 13/11/13	0%	1403,1412,1421,1430,1439,1447
1449	**Staircase**	**108 days**	**Tue 16/7/13**	**Thu 31/10/13**	**84%**	
1450	M & E works including fixing lights + T & C	15 days	Mon 29/7/13	Mon 12/8/13	100%	1362FF+3 days
1451	MV fan at the top level of the SPD	15 days	Tue 16/7/13	Tue 30/7/13	100%	2
1452	MV grill in the wall between SPD & Staircase	7 days	Tue 6/8/13	Mon 12/8/13	100%	1450FF
1453	T & C - SPD system	7 days	Fri 25/10/13	Thu 31/10/13	0%	1451,1452
1454	**Podium - (Archi finishes for units)**	**124 days**	**Tue 16/7/13**	**Sat 16/11/13**	**69%**	
1455	**Brick wall**	**3 days**	**Tue 16/7/13**	**Thu 18/7/13**	**100%**	
1456	7th sty	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
1457	**Slide & Hide (Wet area)**	**6 days**	**Tue 16/7/13**	**Sun 21/7/13**	**100%**	
1458	6th sty	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
1459	7th sty	3 days	Fri 19/7/13	Sun 21/7/13	100%	1458,1456
1460	**Timber door subframe**	**2 days**	**Mon 22/7/13**	**Tue 23/7/13**	**100%**	
1461	7th sty	2 days	Mon 22/7/13	Tue 23/7/13	100%	1459,1456



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(Balance works completion for TOP)

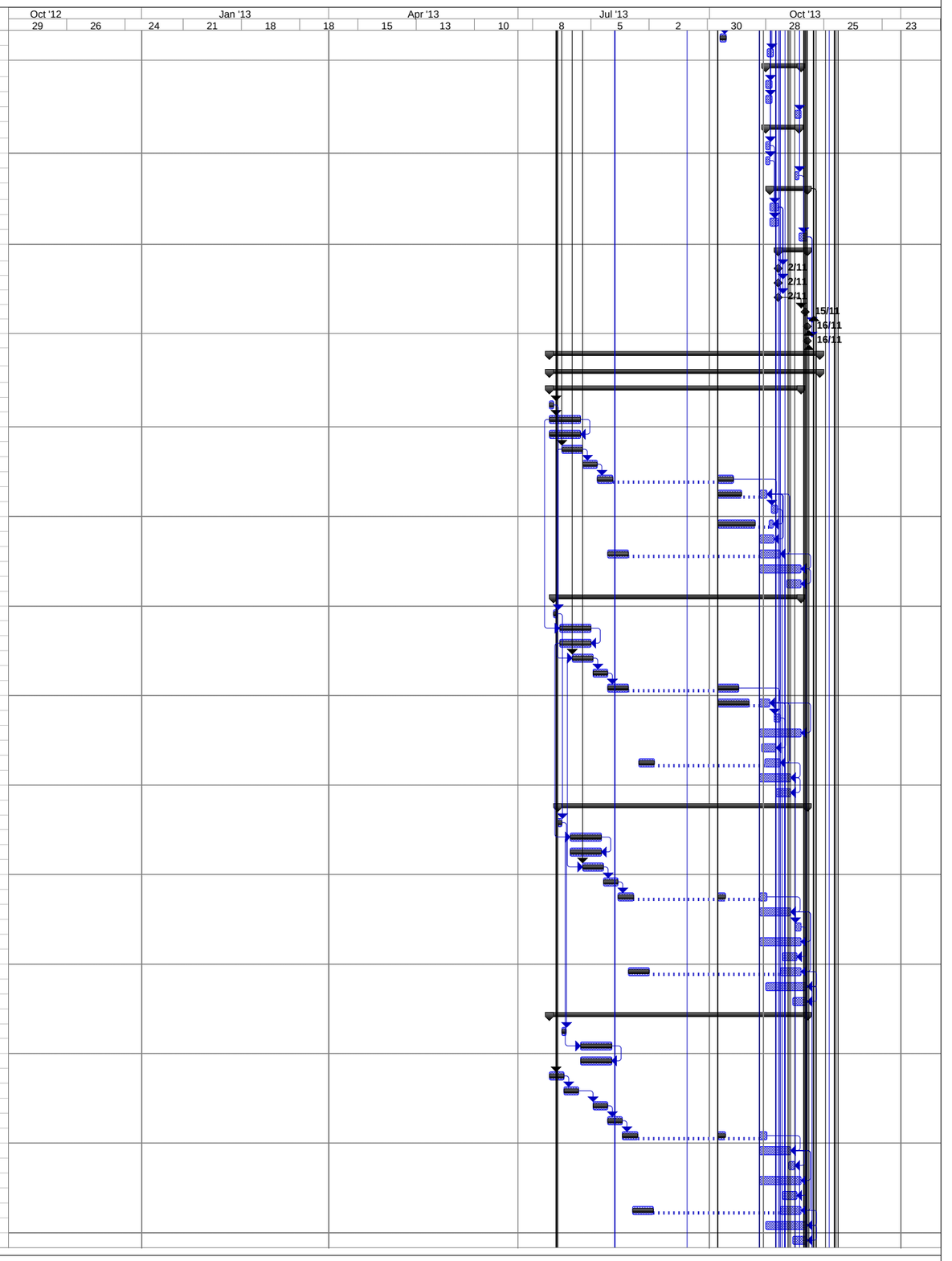
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
1462	**Brick wall chasing for M&E**	**4 days**	**Wed 24/7/13**	**Sat 27/7/13**	**100%**	
1463	7th sty	4 days	Wed 24/7/13	Sat 27/7/13	100%	1456,1461
1464	**Aluminium window outer frame & glazing**	**102.5 days**	**Tue 16/7/13**	**Sat 26/10/13**	**90%**	
1465	5th sty	5 days	Tue 16/7/13	Fri 25/10/13	90%	2
1466	6th sty	5 days	Sun 21/7/13	Fri 25/10/13	90%	1465
1467	7th sty	5 days	Fri 26/7/13	Sat 26/10/13	90%	1466
1468	**Waterproofing**	**16 days**	**Thu 18/7/13**	**Fri 2/8/13**	**100%**	
1469	6th sty	5 days	Thu 18/7/13	Mon 22/7/13	100%	2FS+3 days
1470	7th sty	5 days	Mon 29/7/13	Fri 2/8/13	100%	1463FS+1 day
1471	**Plastering**	**18 days**	**Sun 21/7/13**	**Wed 7/8/13**	**100%**	
1472	5th sty	5 days	Sun 21/7/13	Thu 25/7/13	100%	1465
1473	6th sty	5 days	Sun 21/7/13	Thu 25/7/13	100%	1472SS
1474	7th sty	5 days	Sat 3/8/13	Wed 7/8/13	100%	1473,1470
1475	**Bath room marble (Floor & Wall)**	**102.4 days**	**Tue 16/7/13**	**Sat 26/10/13**	**93%**	
1476	5th sty	7 days	Tue 16/7/13	Mon 22/7/13	100%	2
1477	6th sty	7 days	Tue 23/7/13	Mon 29/7/13	100%	1476,1469
1478	7th sty	7 days	Sun 11/8/13	Sat 26/10/13	80%	1477,1470,1474FF+10 days
1479	**Floor screed - Bed room**	**17 days**	**Fri 26/7/13**	**Sun 11/8/13**	**100%**	
1480	5th sty	4 days	Fri 26/7/13	Mon 29/7/13	100%	1472
1481	6th sty	4 days	Tue 30/7/13	Fri 2/8/13	100%	1480,1473
1482	7th sty	4 days	Thu 8/8/13	Sun 11/8/13	100%	1481,1474
1483	**Floor screed - Living**	**17 days**	**Sun 28/7/13**	**Tue 13/8/13**	**100%**	
1484	5th sty	4 days	Sun 28/7/13	Wed 31/7/13	100%	1480SS+2 days
1485	6th sty	4 days	Thu 1/8/13	Sun 4/8/13	100%	1481SS+2 days
1486	7th sty	4 days	Sat 10/8/13	Tue 13/8/13	100%	1482SS+2 days
1487	**Dry wall partition**	**18 days**	**Thu 1/8/13**	**Sun 18/8/13**	**100%**	
1488	5th sty	5 days	Thu 1/8/13	Mon 5/8/13	100%	1480,1484
1489	6th sty	5 days	Mon 5/8/13	Fri 9/8/13	100%	1481,1485
1490	7th sty	5 days	Wed 14/8/13	Sun 18/8/13	100%	1482,1486
1491	**Slide & Hide (Dry area)**	**17 days**	**Fri 2/8/13**	**Sun 18/8/13**	**100%**	
1492	5th sty	4 days	Fri 2/8/13	Mon 5/8/13	100%	1488FF
1493	6th sty	4 days	Tue 6/8/13	Fri 9/8/13	100%	1489FF
1494	7th sty	4 days	Thu 15/8/13	Sun 18/8/13	100%	1490FF
1495	**False ceiling**	**83.9 days**	**Tue 6/8/13**	**Mon 28/10/13**	**83%**	
1496	5th sty	5 days	Tue 6/8/13	Sat 10/8/13	100%	1492,1476
1497	6th sty	5 days	Sat 10/8/13	Sat 5/10/13	100%	1493,1477
1498	7th sty	5 days	Sun 6/10/13	Mon 28/10/13	50%	1494,1478
1499	**Tiling works (Maid Rm, wet kitchen, wc balcony)**	**19 days**	**Fri 26/7/13**	**Tue 13/8/13**	**100%**	
1500	5th sty	6 days	Fri 26/7/13	Wed 31/7/13	100%	1472
1501	6th sty	6 days	Thu 1/8/13	Tue 6/8/13	100%	1473,1500
1502	7th sty	6 days	Thu 8/8/13	Tue 13/8/13	100%	1474,1501
1503	**Living & Dining marble**	**21 days**	**Thu 1/8/13**	**Wed 21/8/13**	**100%**	
1504	5th sty	7 days	Thu 1/8/13	Wed 7/8/13	100%	1500
1505	6th sty	7 days	Thu 8/8/13	Wed 14/8/13	100%	1504
1506	7th sty	7 days	Thu 15/8/13	Wed 21/8/13	100%	1505
1507	**Timber floor**	**81 days**	**Sat 10/8/13**	**Tue 29/10/13**	**67%**	
1508	5th sty	5 days	Sat 10/8/13	Wed 14/8/13	100%	1504FS+2 days
1509	6th sty	5 days	Sat 17/8/13	Sat 5/10/13	100%	1505FS+2 days
1510	7th sty	5 days	Fri 25/10/13	Tue 29/10/13	0%	1506FS+2 days
1511	**Timber floor - Grinding below wardrobe**	**13 days**	**Fri 25/10/13**	**Wed 6/11/13**	**0%**	
1512	5th sty	1 day	Fri 25/10/13	Fri 25/10/13	0%	1508FS+7 days
1513	6th sty	1 day	Fri 25/10/13	Fri 25/10/13	0%	1509FS+7 days
1514	7th sty	1 day	Wed 6/11/13	Wed 6/11/13	0%	1510FS+7 days
1515	**Shower screen**	**7.9 days**	**Fri 25/10/13**	**Fri 1/11/13**	**0%**	
1516	5th sty	4 days	Fri 25/10/13	Mon 28/10/13	0%	1496
1517	6th sty	4 days	Fri 25/10/13	Mon 28/10/13	0%	1497
1518	7th sty	4 days	Mon 28/10/13	Fri 1/11/13	0%	1498
1519	**Balustrade & SS railing @ balcony & planters**	**9 days**	**Fri 25/10/13**	**Sat 2/11/13**	**0%**	
1520	5th sty	3 days	Fri 25/10/13	Sun 27/10/13	0%	1500FS+3 days
1521	6th sty	3 days	Mon 28/10/13	Wed 30/10/13	0%	1520,1501FS+3 days
1522	7th sty	3 days	Thu 31/10/13	Sat 2/11/13	0%	1521,1502FS+3 days
1523	**Tresh hold (Main door)**	**2 days**	**Fri 25/10/13**	**Sat 26/10/13**	**0%**	
1524	5th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1504FS+7 days
1525	6th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1505FS+7 days
1526	7th sty	2 days	Fri 25/10/13	Sat 26/10/13	0%	1506FS+7 days
1527	**Door frame and panels**	**33 days**	**Mon 7/10/13**	**Fri 8/11/13**	**10%**	
1528	5th sty	2 days	Mon 7/10/13	Mon 28/10/13	30%	1524,1512
1529	6th sty	2 days	Mon 28/10/13	Wed 30/10/13	0%	1528,1525,1513
1530	7th sty	2 days	Thu 7/11/13	Fri 8/11/13	0%	1529,1526,1514
1531	**Cabinets & Wardrobes installation**	**80 days**	**Fri 23/8/13**	**Sun 10/11/13**	**33%**	
1532	5th sty	4 days	Fri 23/8/13	Sun 27/10/13	50%	1496,1512
1533	6th sty	4 days	Mon 14/10/13	Sun 27/10/13	50%	1497,1513
1534	7th sty	4 days	Thu 7/11/13	Sun 10/11/13	0%	1498,1514
1535	**Vanity basin**	**37 days**	**Tue 8/10/13**	**Wed 13/11/13**	**33%**	
1536	5th sty	3 days	Tue 8/10/13	Tue 29/10/13	50%	1532
1537	6th sty	3 days	Fri 18/10/13	Tue 29/10/13	50%	1533
1538	7th sty	3 days	Mon 11/11/13	Wed 13/11/13	0%	1534
1539	**Long bath**	**81.9 days**	**Sun 11/8/13**	**Thu 31/10/13**	**67%**	
1540	5th sty	3 days	Sun 11/8/13	Tue 13/8/13	100%	1496



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(Balance works completion for TOP)

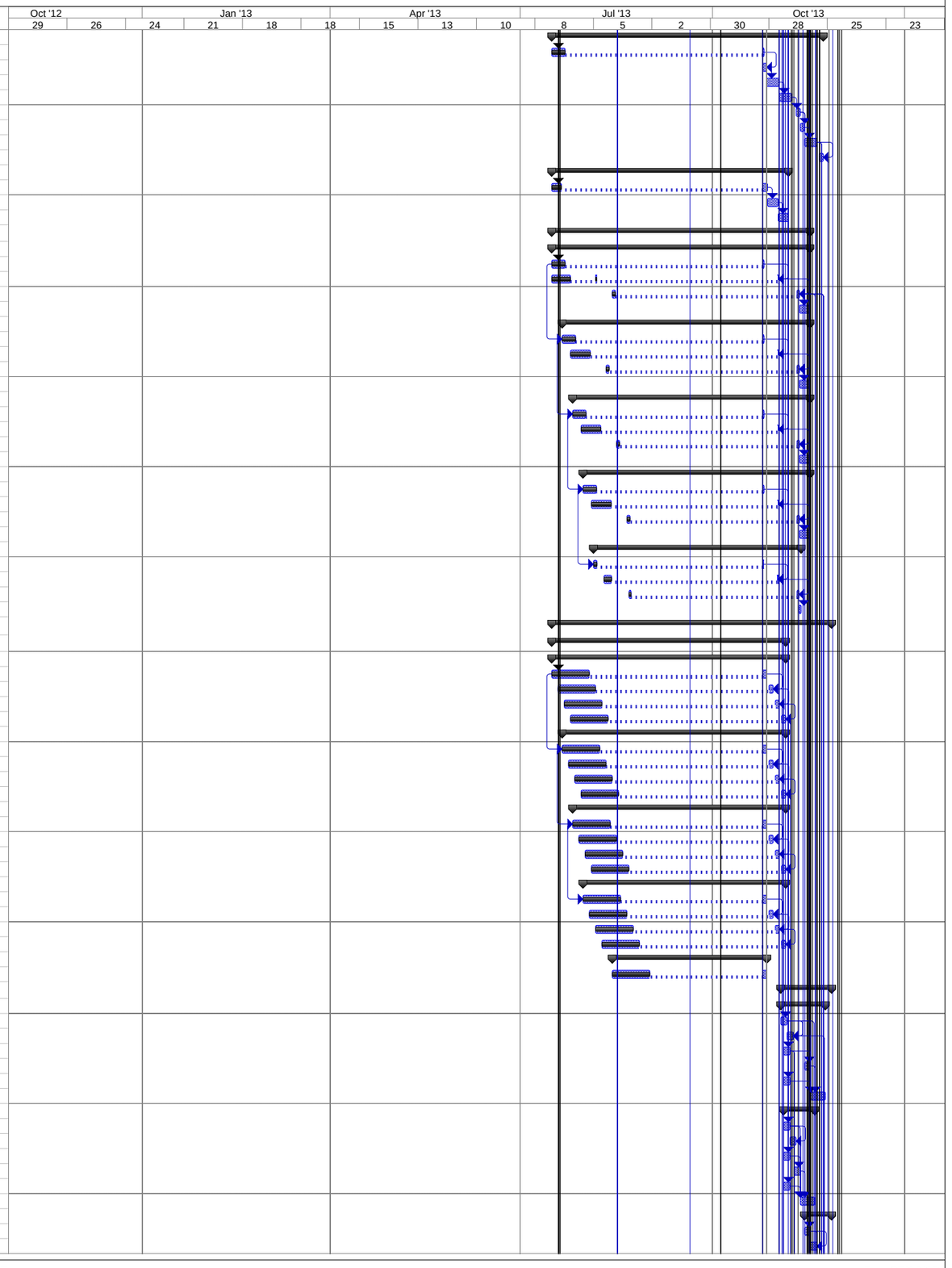
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
1541	6th sty	3 days	Sun 6/10/13	Tue 8/10/13	100%	1497
1542	7th sty	3 days	Mon 28/10/13	Thu 31/10/13	0%	1498
1543	**WC**	**17 days**	**Mon 28/10/13**	**Wed 13/11/13**	**0%**	
1544	5th sty	3 days	Mon 28/10/13	Wed 30/10/13	0%	1532
1545	6th sty	3 days	Mon 28/10/13	Wed 30/10/13	0%	1533
1546	7th sty	3 days	Mon 11/11/13	Wed 13/11/13	0%	1534
1547	**M&E Testing & Comissioning for units**	**16 days**	**Mon 28/10/13**	**Tue 12/11/13**	**0%**	
1548	5th sty	2 days	Mon 28/10/13	Tue 29/10/13	0%	1532
1549	6th sty	2 days	Mon 28/10/13	Tue 29/10/13	0%	1533
1550	7th sty	2 days	Mon 11/11/13	Tue 12/11/13	0%	1534
1551	**Fixing appliances & fittings**	**18 days**	**Wed 30/10/13**	**Sat 16/11/13**	**0%**	
1552	5th sty	4 days	Wed 30/10/13	Sat 2/11/13	0%	1548
1553	6th sty	4 days	Wed 30/10/13	Sat 2/11/13	0%	1549
1554	7th sty	4 days	Wed 13/11/13	Sat 16/11/13	0%	1550
1555	**Podium Mock-up unit completion**	**14 days**	**Sat 2/11/13**	**Sat 16/11/13**	**0%**	
1556	**Unit #05-17**	**0 days**	**Sat 2/11/13**	**Sat 2/11/13**	**0%**	**1552**
1557	**Unit #05-22**	**0 days**	**Sat 2/11/13**	**Sat 2/11/13**	**0%**	**1552**
1558	**Unit #05-23**	**0 days**	**Sat 2/11/13**	**Sat 2/11/13**	**0%**	**1552**
1559	**Unit #07-17**	**0 days**	**Fri 15/11/13**	**Fri 15/11/13**	**0%**	**1842,1558**
1560	**Unit #07-21**	**0 days**	**Sat 16/11/13**	**Sat 16/11/13**	**0%**	**1554,1876**
1561	**Unit #07-23**	**0 days**	**Sat 16/11/13**	**Sat 16/11/13**	**0%**	**1554,1892**
1562	**Podium (Archi finishes for Lobby & Staircase) - P1,P2,P3,P4**	**130 days**	**Tue 16/7/13**	**Fri 22/11/13**	**55%**	
1563	**Lobby**	**130 days**	**Tue 16/7/13**	**Fri 22/11/13**	**52%**	
1564	**Podium-P1**	**121 days**	**Tue 16/7/13**	**Wed 13/11/13**	**66%**	
1565	Brick wall	2 days	Tue 16/7/13	Wed 17/7/13	100%	2
1566	M&E works above ceiling	15 days	Tue 16/7/13	Tue 30/7/13	100%	2
1567	Metal Door panel (Riser)	15 days	Tue 16/7/13	Tue 30/7/13	100%	1566FF
1568	Lift door jamb installation	10 days	Mon 22/7/13	Wed 31/7/13	100%	2FS+7 days
1569	Lift door jamb grouting	7 days	Thu 1/8/13	Wed 7/8/13	100%	1568
1570	Wall marble at lobby & units entrance	15 days	Thu 8/8/13	Sat 12/10/13	100%	1569
1571	False ceiling	15 days	Sat 5/10/13	Mon 28/10/13	75%	1570FF+5 days
1572	Ceiling painting	3 days	Wed 30/10/13	Sat 2/11/13	0%	1571FS+2 days
1573	Firerated laminate finish for M&E riser doors	20 days	Sat 5/10/13	Thu 31/10/13	90%	1571FF+3 days
1574	Back painted glass @ call button area	7 days	Fri 25/10/13	Thu 31/10/13	0%	1571FF+3 days
1575	Granite floor	20 days	Tue 13/8/13	Sun 3/11/13	50%	1571FF+5 days
1576	Timber Door panel (Riser & Lobby)	20 days	Fri 25/10/13	Wed 13/11/13	0%	1575FF+3 days
1577	Refuse chute hoppers	7 days	Thu 7/11/13	Wed 13/11/13	0%	1576FF
1578	**Podium-P2**	**119 days**	**Thu 18/7/13**	**Wed 13/11/13**	**59%**	
1579	Brick wall	2 days	Thu 18/7/13	Fri 19/7/13	100%	1565
1580	M&E works above ceiling	15 days	Sun 21/7/13	Sun 4/8/13	100%	1566SS+5 days
1581	Metal Door panel (Riser)	15 days	Sun 21/7/13	Sun 4/8/13	100%	1580FF
1582	Lift door jamb installation	10 days	Sat 27/7/13	Mon 5/8/13	100%	2FS+10 days,1568SS+5 days
1583	Lift door jamb grouting	7 days	Tue 6/8/13	Mon 12/8/13	100%	1582
1584	Wall marble at lobby & units entrance	20 days	Tue 13/8/13	Mon 14/10/13	100%	1583
1585	False ceiling	20 days	Sat 5/10/13	Tue 29/10/13	75%	1584FF+5 days
1586	Ceiling painting	3 days	Fri 1/11/13	Sun 3/11/13	0%	1585FS+2 days
1587	Firerated laminate finish for M&E riser doors	20 days	Fri 25/10/13	Wed 13/11/13	0%	1585FF+3 days
1588	Back painted glass @ call button area	7 days	Sat 26/10/13	Fri 1/11/13	0%	1585FF+3 days
1589	Granite floor	15 days	Wed 28/8/13	Sun 3/11/13	50%	1585FF+5 days
1590	Timber Door panel (Riser & Lobby)	15 days	Fri 25/10/13	Fri 8/11/13	0%	1589FF+3 days
1591	Refuse chute hoppers	7 days	Sat 2/11/13	Fri 8/11/13	0%	1590FF
1592	**Podium-P3**	**120 days**	**Sat 20/7/13**	**Sat 16/11/13**	**45%**	
1593	Brick wall	2 days	Sat 20/7/13	Sun 21/7/13	100%	1579
1594	M&E works above ceiling	15 days	Fri 26/7/13	Fri 9/8/13	100%	1581SS+5 days
1595	Metal Door panel (Riser)	15 days	Fri 26/7/13	Fri 9/8/13	100%	1594FF
1596	Lift door jamb installation	10 days	Thu 1/8/13	Sat 10/8/13	100%	2FS+10 days,1582SS+5 days
1597	Lift door jamb grouting	7 days	Sun 11/8/13	Sat 17/8/13	100%	1596
1598	Wall marble at lobby & units entrance	15 days	Sun 18/8/13	Mon 28/10/13	75%	1597
1599	False ceiling	15 days	Fri 25/10/13	Fri 8/11/13	0%	1598FF+5 days
1600	Ceiling painting	3 days	Mon 11/11/13	Wed 13/11/13	0%	1599FS+2 days
1601	Firerated laminate finish for M&E riser doors	20 days	Fri 25/10/13	Wed 13/11/13	0%	1599FF+3 days
1602	Back painted glass @ call button area	7 days	Tue 5/11/13	Mon 11/11/13	0%	1599FF+3 days
1603	Granite floor	20 days	Fri 23/8/13	Wed 13/11/13	50%	1599FF+5 days
1604	Timber Door panel (Riser & Lobby)	20 days	Mon 28/10/13	Sat 16/11/13	0%	1603FF+3 days
1605	Refuse chute hoppers	7 days	Sun 10/11/13	Sat 16/11/13	0%	1604FF
1606	**Podium-P4**	**124 days**	**Tue 16/7/13**	**Sat 16/11/13**	**49%**	
1607	Brick wall	2 days	Mon 22/7/13	Tue 23/7/13	100%	1593
1608	M&E works above ceiling	15 days	Wed 31/7/13	Wed 14/8/13	100%	1594SS+5 days
1609	Metal Door panel (Riser)	15 days	Wed 31/7/13	Wed 14/8/13	100%	1608FF
1610	Additional Seperator beam	7 days	Tue 16/7/13	Mon 22/7/13	100%	2
1611	Lift shaft plumb	7 days	Tue 23/7/13	Mon 29/7/13	100%	1610
1612	Lift door jamb installation	7 days	Tue 6/8/13	Mon 12/8/13	100%	1611FS+7 days
1613	Lift door jamb grouting	7 days	Tue 13/8/13	Mon 19/8/13	100%	1612
1614	Wall marble at lobby & units entrance	15 days	Tue 20/8/13	Mon 28/10/13	75%	1613
1615	False ceiling	15 days	Fri 25/10/13	Fri 8/11/13	0%	1614FF+5 days
1616	Ceiling painting	3 days	Fri 8/11/13	Sun 10/11/13	0%	1615FF+2 days
1617	Firerated laminate finish for M&E riser doors	20 days	Fri 25/10/13	Wed 13/11/13	0%	1615FF+3 days
1618	Back painted glass @ call button area	7 days	Tue 5/11/13	Mon 11/11/13	0%	1615FF+3 days
1619	Granite floor	20 days	Sun 25/8/13	Wed 13/11/13	50%	1615FF+5 days
1620	Timber Door panel (Riser & Lobby)	20 days	Mon 28/10/13	Sat 16/11/13	0%	1619FF+3 days
1621	Refuse chute hoppers	7 days	Sun 10/11/13	Sat 16/11/13	0%	1620FF



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(Balance works completion for TOP)

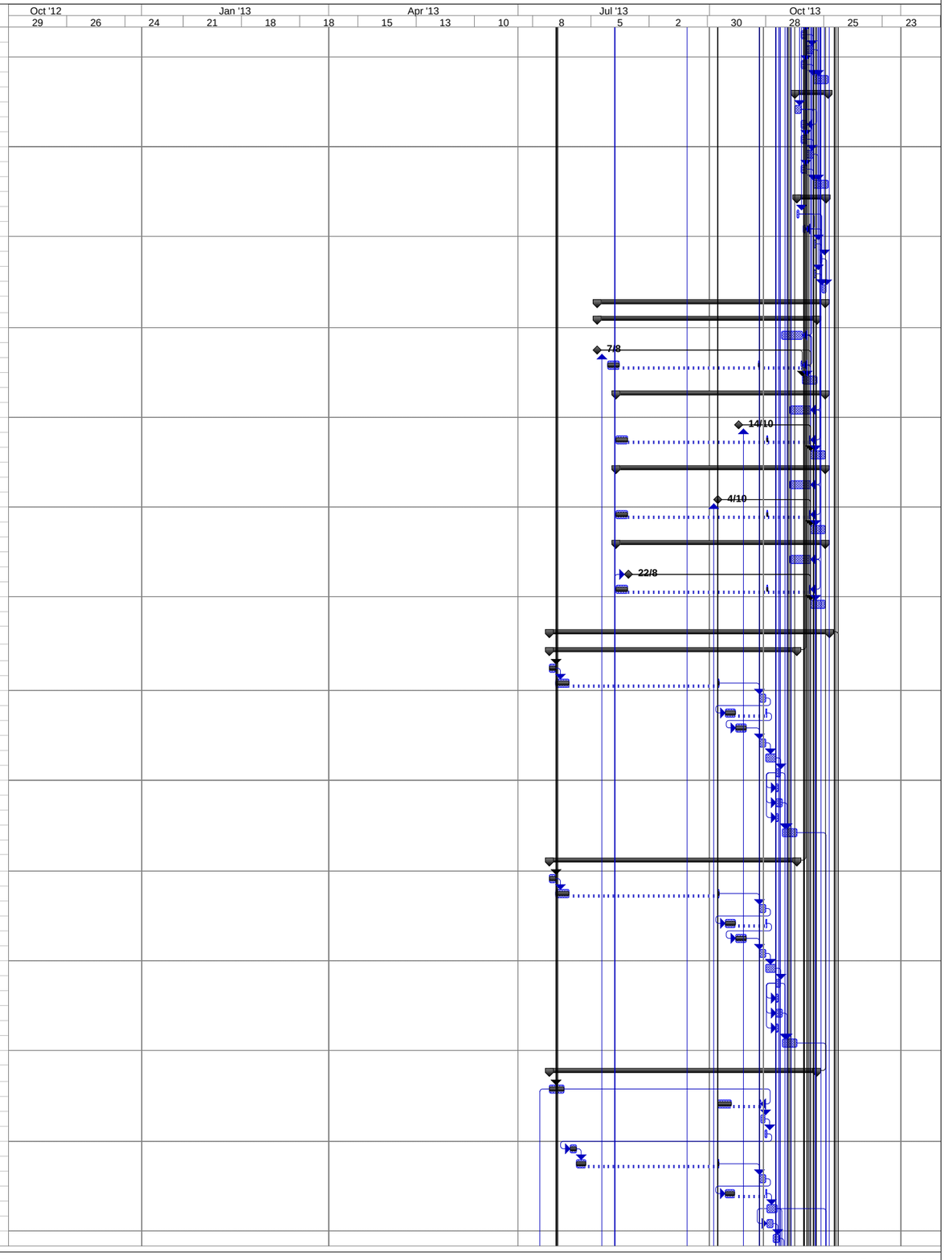
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
1622	**Podium-P5**	**130 days**	**Tue 16/7/13**	**Fri 22/11/13**	**19%**	
1623	M&E works above ceiling	7 days	Tue 16/7/13	Fri 25/10/13	90%	2
1624	Metal Door panel (Riser)	2 days	Fri 25/10/13	Sat 26/10/13	0%	1623FF
1625	Wall marble	6 days	Sun 27/10/13	Fri 1/11/13	0%	1624
1626	False ceiling	6 days	Sat 2/11/13	Thu 7/11/13	0%	1625
1627	Ceiling painting	2 days	Sun 10/11/13	Mon 11/11/13	0%	1626FS+2 days
1628	Back painted glass @ call button area	2 days	Tue 12/11/13	Wed 13/11/13	0%	1627
1629	Granite floor	6 days	Thu 14/11/13	Tue 19/11/13	0%	1628
1630	Timber Door panel (Riser & Lobby)	2 days	Thu 21/11/13	Fri 22/11/13	0%	1629FF+3 days
1631	**SL-2**	**113.1 days**	**Tue 16/7/13**	**Wed 6/11/13**	**29%**	
1632	M&E works above ceiling	7 days	Tue 16/7/13	Sun 27/10/13	70%	2
1633	False ceiling	5 days	Sun 27/10/13	Fri 1/11/13	0%	1632
1634	Lobby finishes	5 days	Fri 1/11/13	Wed 6/11/13	0%	1633
1635	**Staircase**	**123.7 days**	**Tue 16/7/13**	**Sat 16/11/13**	**70%**	
1636	**Podium-PS1**	**123.7 days**	**Tue 16/7/13**	**Sat 16/11/13**	**69%**	
1637	Metal railing	7 days	Tue 16/7/13	Fri 25/10/13	90%	2
1638	Plastering	10 days	Tue 16/7/13	Fri 1/11/13	95%	1637FF+7 days
1639	Painting work	3 days	Wed 14/8/13	Mon 11/11/13	50%	1638FF+10 days
1640	Staircase - steps nosing	5 days	Mon 11/11/13	Sat 16/11/13	0%	1639
1641	**Podium-PS2**	**118.7 days**	**Sun 21/7/13**	**Sat 16/11/13**	**69%**	
1642	Metal railing	7 days	Sun 21/7/13	Fri 25/10/13	90%	1637SS+5 days
1643	Plastering	10 days	Thu 25/7/13	Fri 1/11/13	95%	1642FF+7 days
1644	Painting work	3 days	Sun 11/8/13	Mon 11/11/13	50%	1643FF+10 days
1645	Staircase - steps nosing	5 days	Mon 11/11/13	Sat 16/11/13	0%	1644
1646	**Podium-PS3**	**113.7 days**	**Fri 26/7/13**	**Sat 16/11/13**	**69%**	
1647	Metal railing	7 days	Fri 26/7/13	Fri 25/10/13	90%	1642SS+5 days
1648	Plastering	10 days	Tue 30/7/13	Fri 1/11/13	95%	1647FF+7 days
1649	Painting work	3 days	Fri 16/8/13	Mon 11/11/13	50%	1648FF+10 days
1650	Staircase - steps nosing	5 days	Mon 11/11/13	Sat 16/11/13	0%	1649
1651	**Podium-PS4**	**108.7 days**	**Wed 31/7/13**	**Sat 16/11/13**	**69%**	
1652	Metal railing	7 days	Wed 31/7/13	Fri 25/10/13	90%	1647SS+5 days
1653	Plastering	10 days	Sun 4/8/13	Fri 1/11/13	95%	1652FF+7 days
1654	Painting work	3 days	Wed 21/8/13	Mon 11/11/13	50%	1653FF+10 days
1655	Staircase - steps nosing	5 days	Mon 11/11/13	Sat 16/11/13	0%	1654
1656	**Podium-PS5**	**99.2 days**	**Mon 5/8/13**	**Tue 12/11/13**	**73%**	
1657	Metal railing	2 days	Mon 5/8/13	Fri 25/10/13	90%	1652SS+5 days
1658	Plastering	4 days	Sat 10/8/13	Fri 1/11/13	95%	1657FF+7 days
1659	Painting work	2 days	Thu 22/8/13	Mon 11/11/13	50%	1658FF+10 days
1660	Staircase - steps nosing	1 day	Mon 11/11/13	Tue 12/11/13	0%	1659
1661	**Podium (M&E works Lobby & Staircase)**	**134 days**	**Tue 16/7/13**	**Tue 26/11/13**	**62%**	
1662	**At riser (for P1,P2,P3&P4)**	**112 days**	**Tue 16/7/13**	**Mon 4/11/13**	**90%**	
1663	**Podium-PS1**	**112 days**	**Tue 16/7/13**	**Mon 4/11/13**	**90%**	
1664	Electrical riser	20 days	Tue 16/7/13	Sat 26/10/13	90%	2
1665	Tel riser	20 days	Fri 19/7/13	Tue 29/10/13	90%	1664FF+3 days
1666	Water riser main	20 days	Mon 22/7/13	Fri 1/11/13	90%	1665FF+3 days
1667	Fire riser main	20 days	Thu 25/7/13	Mon 4/11/13	90%	1666FF+3 days
1668	**Podium-PS2**	**107 days**	**Sun 21/7/13**	**Mon 4/11/13**	**90%**	
1669	Electrical riser	20 days	Sun 21/7/13	Sat 26/10/13	90%	1664SS+5 days
1670	Tel riser	20 days	Wed 24/7/13	Tue 29/10/13	90%	1669FF+3 days
1671	Water riser main	20 days	Sat 27/7/13	Fri 1/11/13	90%	1670FF+3 days
1672	Fire riser main	20 days	Tue 30/7/13	Mon 4/11/13	90%	1671FF+3 days
1673	**Podium-PS3**	**102 days**	**Fri 26/7/13**	**Mon 4/11/13**	**90%**	
1674	Electrical riser	20 days	Fri 26/7/13	Sat 26/10/13	90%	1669SS+5 days
1675	Tel riser	20 days	Mon 29/7/13	Tue 29/10/13	90%	1674FF+3 days
1676	Water riser main	20 days	Thu 1/8/13	Fri 1/11/13	90%	1675FF+3 days
1677	Fire riser main	20 days	Sun 4/8/13	Mon 4/11/13	90%	1676FF+3 days
1678	**Podium-PS4**	**97 days**	**Wed 31/7/13**	**Mon 4/11/13**	**90%**	
1679	Electrical riser	20 days	Wed 31/7/13	Sat 26/10/13	90%	1674SS+5 days
1680	Tel riser	20 days	Sat 3/8/13	Tue 29/10/13	90%	1679FF+3 days
1681	Water riser main	20 days	Tue 6/8/13	Fri 1/11/13	90%	1680FF+3 days
1682	Fire riser main	20 days	Fri 9/8/13	Mon 4/11/13	90%	1681FF+3 days
1683	**Podium-PS5**	**74 days**	**Wed 14/8/13**	**Sat 26/10/13**	**90%**	
1684	Fire riser main	20 days	Wed 14/8/13	Sat 26/10/13	90%	
1685	**Lobby (for P1,P2,P3&P4)**	**24.25 days**	**Sat 2/11/13**	**Tue 26/11/13**	**0%**	
1686	**Podium-P1**	**21.25 days**	**Sat 2/11/13**	**Sat 23/11/13**	**0%**	
1687	Light fittings	3 days	Sat 2/11/13	Tue 5/11/13	0%	1572
1688	MV grilles	3 days	Tue 5/11/13	Fri 8/11/13	0%	1687FF+3 days
1689	Fire alarm bell & call point	3 days	Mon 4/11/13	Wed 6/11/13	0%	1575
1690	Magnetic catch in the fire door	3 days	Thu 14/11/13	Sat 16/11/13	0%	1576
1691	Smart drain	3 days	Mon 4/11/13	Wed 6/11/13	0%	1575
1692	M&E Testing & Comissioning at lobby	7 days	Sun 17/11/13	Sat 23/11/13	0%	1691,1687,1688,1689,1690
1693	**Podium-P2**	**15 days**	**Mon 4/11/13**	**Mon 18/11/13**	**0%**	
1694	Light fittings	3 days	Mon 4/11/13	Wed 6/11/13	0%	1586
1695	MV grilles	3 days	Thu 7/11/13	Sat 9/11/13	0%	1694FF+3 days
1696	Fire alarm bell & call point	3 days	Mon 4/11/13	Wed 6/11/13	0%	1589
1697	Magnetic catch in the fire door	3 days	Sat 9/11/13	Mon 11/11/13	0%	1590
1698	Smart drain	3 days	Mon 4/11/13	Wed 6/11/13	0%	1589
1699	M&E Testing & Comissioning at lobby	7 days	Tue 12/11/13	Mon 18/11/13	0%	1694,1695,1696,1697,1698
1700	**Podium-P3**	**13 days**	**Thu 14/11/13**	**Tue 26/11/13**	**0%**	
1701	Light fittings	3 days	Thu 14/11/13	Sat 16/11/13	0%	1600
1702	MV grilles	3 days	Sun 17/11/13	Tue 19/11/13	0%	1701FF+3 days



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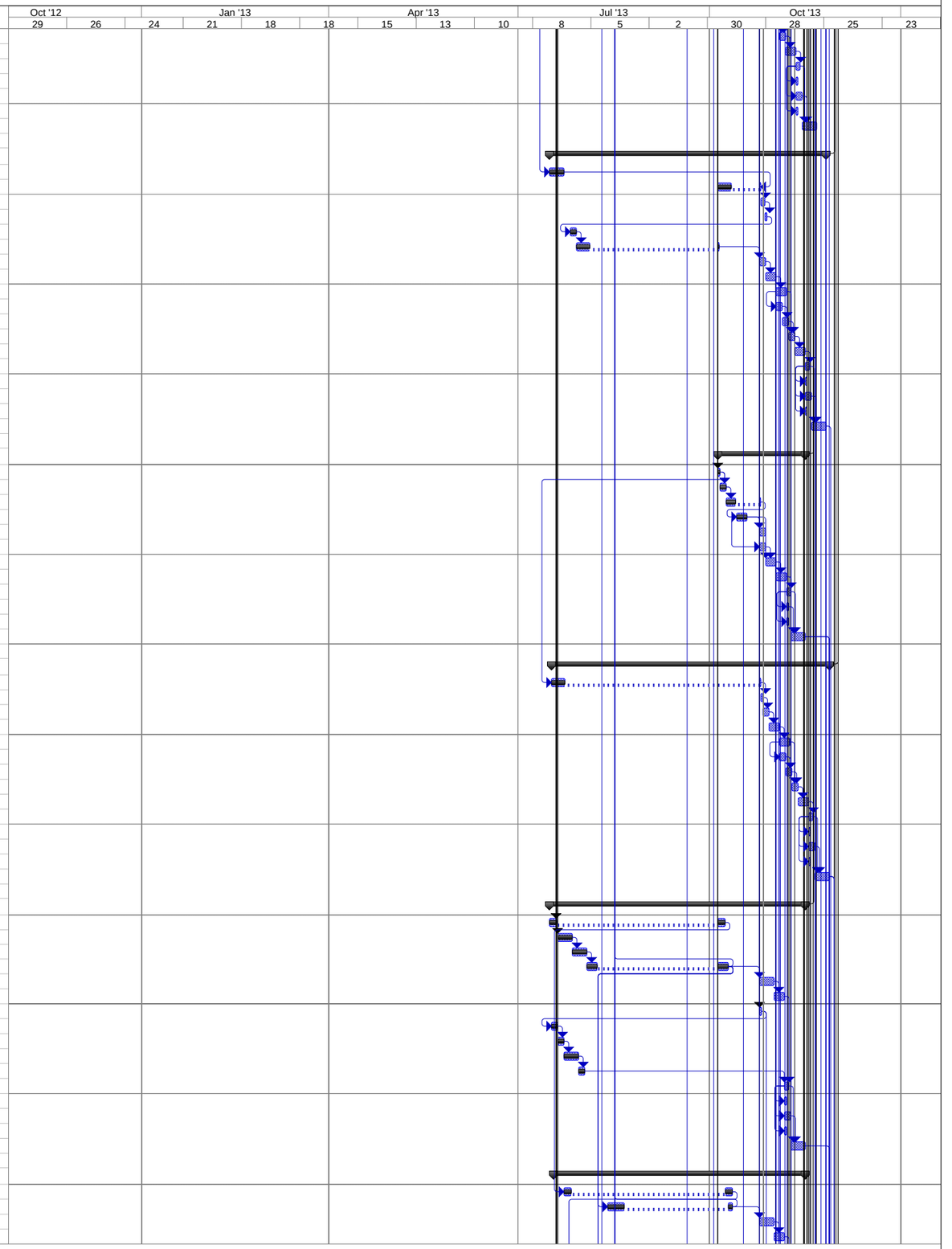
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
1703	Fire alarm bell & call point	3 days	Thu 14/11/13	Sat 16/11/13	0%	1603
1704	Magnetic catch in the fire door	3 days	Sun 17/11/13	Tue 19/11/13	0%	1604
1705	Smart drain	3 days	Thu 14/11/13	Sat 16/11/13	0%	1603
1706	M&E Testing & Comissioning at lobby	7 days	Wed 20/11/13	Tue 26/11/13	0%	1701,1702,1703,1704,1705
1707	**Podium-P4**	**16 days**	**Mon 11/11/13**	**Tue 26/11/13**	**0%**	
1708	Light fittings	3 days	Mon 11/11/13	Wed 13/11/13	0%	1616
1709	MV grilles	3 days	Thu 14/11/13	Sat 16/11/13	0%	1708FF+3 days
1710	Fire alarm bell & call point	3 days	Thu 14/11/13	Sat 16/11/13	0%	1619
1711	Magnetic catch in the fire door	3 days	Sun 17/11/13	Tue 19/11/13	0%	1620
1712	Smart drain	3 days	Thu 14/11/13	Sat 16/11/13	0%	1619
1713	M&E Testing & Comissioning at lobby	7 days	Wed 20/11/13	Tue 26/11/13	0%	1708,1709,1710,1711,1712
1714	**Podium-PS5**	**14 days**	**Tue 12/11/13**	**Mon 25/11/13**	**0%**	
1715	Light fittings	1 day	Tue 12/11/13	Tue 12/11/13	0%	1627
1716	MV grilles	1 day	Fri 15/11/13	Fri 15/11/13	0%	1715FF+3 days
1717	Fire alarm bell & call point	1 day	Wed 20/11/13	Wed 20/11/13	0%	1629
1718	Magnetic catch in the fire door	1 day	Sat 23/11/13	Sat 23/11/13	0%	1630
1719	Smart drain	1 day	Wed 20/11/13	Wed 20/11/13	0%	1629
1720	M&E Testing & Comissioning at lobby	2 days	Sun 24/11/13	Mon 25/11/13	0%	1715,1716,1717,1718,1719
1721	**Staircase**	**109.7 days**	**Wed 7/8/13**	**Mon 25/11/13**	**26%**	
1722	**PS1 staircase**	**105.7 days**	**Wed 7/8/13**	**Thu 21/11/13**	**26%**	
1723	M&E works including fixing lights + T&C	10 days	Mon 4/11/13	Thu 14/11/13	0%	1639FF+3 days
1724	MV fan at the top level of the SPD	0 days	Wed 7/8/13	Wed 7/8/13	100%	2053
1725	MV grill in the wall between SPD & Staircase	7 days	Tue 13/8/13	Thu 14/11/13	90%	1723FF
1726	T & C - SPD system at P1	7 days	Thu 14/11/13	Thu 21/11/13	0%	1724,1725
1727	**PS2 staircase**	**100.7 days**	**Sat 17/8/13**	**Mon 25/11/13**	**26%**	
1728	M&E works including fixing lights + T&C	10 days	Fri 8/11/13	Mon 18/11/13	0%	1639FF+7 days
1729	MV fan at the top level of the SPD	0 days	Mon 14/10/13	Mon 14/10/13	100%	2058
1730	MV grill in the wall between SPD & Staircase	7 days	Sat 17/8/13	Mon 18/11/13	90%	1728FF
1731	T & C - SPD system at P2	7 days	Mon 18/11/13	Mon 25/11/13	0%	1729,1730
1732	**PS3 staircase**	**100.7 days**	**Sat 17/8/13**	**Mon 25/11/13**	**26%**	
1733	M&E works including fixing lights + T&C	10 days	Fri 8/11/13	Mon 18/11/13	0%	1639FF+7 days
1734	MV fan at the top level of the SPD	0 days	Fri 4/10/13	Fri 4/10/13	100%	2063
1735	MV grill in the wall between SPD & Staircase	7 days	Sat 17/8/13	Mon 18/11/13	90%	1733FF
1736	T & C - SPD system at P3	7 days	Mon 18/11/13	Mon 25/11/13	0%	1734,1735
1737	**PS4 staircase**	**100.7 days**	**Sat 17/8/13**	**Mon 25/11/13**	**26%**	
1738	M&E works including fixing lights + T&C	10 days	Fri 8/11/13	Mon 18/11/13	0%	1639FF+7 days
1739	MV fan at the top level of the SPD	0 days	Thu 22/8/13	Thu 22/8/13	100%	2068
1740	MV grill in the wall between SPD & Staircase	7 days	Sat 17/8/13	Mon 18/11/13	90%	1738FF
1741	T & C - SPD system at P4	7 days	Mon 18/11/13	Mon 25/11/13	0%	1739,1740
1742						
1743	**Swimming pool - Archi finishes**	134.7 days	Tue 16/7/13	Wed 27/11/13	46%	
1744	**Tower 1 - Private swimming pool at 20th storey (#19-09)**	**119 days**	**Tue 16/7/13**	**Mon 11/11/13**	**43%**	
1745	M&E 1st fix	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
1746	Water proofing & Protective screed	7 days	Fri 19/7/13	Sat 5/10/13	100%	1745
1747	Plastering/Skimming works	3 days	Fri 25/10/13	Sun 27/10/13	0%	1746
1748	Cladding work for the RC works in swimming pool deck	5 days	Tue 8/10/13	Mon 28/10/13	90%	1747
1749	Swimming pool Dahalia glass mosaic	5 days	Sun 13/10/13	Fri 18/10/13	100%	1748
1750	M&E 2nd fix	3 days	Fri 25/10/13	Sun 27/10/13	0%	1749
1751	Composite timber decking & finishes	5 days	Mon 28/10/13	Fri 1/11/13	0%	1750
1752	M&E final fix	2 days	Sat 2/11/13	Sun 3/11/13	0%	1751
1753	Over flow drain grating	1 day	Sat 2/11/13	Sat 2/11/13	0%	1752SS
1754	Laminated tempered glass	3 days	Sat 2/11/13	Mon 4/11/13	0%	1752SS
1755	Glass balustrade & SS railing	1 day	Sat 2/11/13	Sat 2/11/13	0%	1752SS
1756	Testing & Commissioning	7 days	Tue 5/11/13	Mon 11/11/13	0%	1754,1752
1757						
1758	**Tower 1 - Private swimming pool at 20th storey (#19-11)**	**119 days**	**Tue 16/7/13**	**Mon 11/11/13**	**43%**	
1759	M&E 1st fix	3 days	Tue 16/7/13	Thu 18/7/13	100%	2
1760	Water proofing & Protective screed	7 days	Fri 19/7/13	Sat 5/10/13	100%	1759
1761	Plastering/Skimming works	3 days	Fri 25/10/13	Sun 27/10/13	0%	1760
1762	Cladding work for the RC works in swimming pool deck	5 days	Tue 8/10/13	Mon 28/10/13	90%	1761
1763	Swimming pool Dahalia glass mosaic	5 days	Sun 13/10/13	Fri 18/10/13	100%	1762
1764	M&E 2nd fix	3 days	Fri 25/10/13	Sun 27/10/13	0%	1763
1765	Composite timber decking & finishes	5 days	Mon 28/10/13	Fri 1/11/13	0%	1764
1766	M&E final fix	2 days	Sat 2/11/13	Sun 3/11/13	0%	1765
1767	Over flow drain grating	1 day	Sat 2/11/13	Sat 2/11/13	0%	1766SS
1768	Laminated tempered glass	3 days	Sat 2/11/13	Mon 4/11/13	0%	1766SS
1769	Glass balustrade & SS railing	1 day	Sat 2/11/13	Sat 2/11/13	0%	1766SS
1770	Testing & Commissioning	7 days	Tue 5/11/13	Mon 11/11/13	0%	1768,1766
1771						
1772	**Tower 1 - Private swimming pool at 28th storey (#27-14)**	**128.5 days**	**Tue 16/7/13**	**Thu 21/11/13**	**39%**	
1773	Structural ponding test	7 days	Tue 16/7/13	Mon 22/7/13	100%	2
1774	Aluminium Trellis	7 days	Sat 5/10/13	Fri 25/10/13	90%	1773FF
1775	Laminated tempered glass C-channel support	2 days	Fri 25/10/13	Sun 27/10/13	0%	1774
1776	Glass balustrade support	1 day	Sun 27/10/13	Mon 28/10/13	0%	1775
1777	M&E 1st fix	3 days	Fri 26/7/13	Sun 28/7/13	100%	1776
1778	Water proofing & Protective screed	5 days	Mon 29/7/13	Sat 5/10/13	100%	1777
1779	Plastering/Skimming works	3 days	Fri 25/10/13	Sun 27/10/13	0%	1778
1780	Cladding work for the RC works in swimming pool deck	5 days	Tue 8/10/13	Mon 28/10/13	90%	1779
1781	Swimming pool Dahalia glass mosaic	5 days	Mon 28/10/13	Sat 2/11/13	0%	1780
1782	Jacuzzi installation	3 days	Mon 28/10/13	Thu 31/10/13	0%	1781SS
1783	Builder work for Jacuzzi	3 days	Thu 31/10/13	Sun 3/11/13	0%	1782



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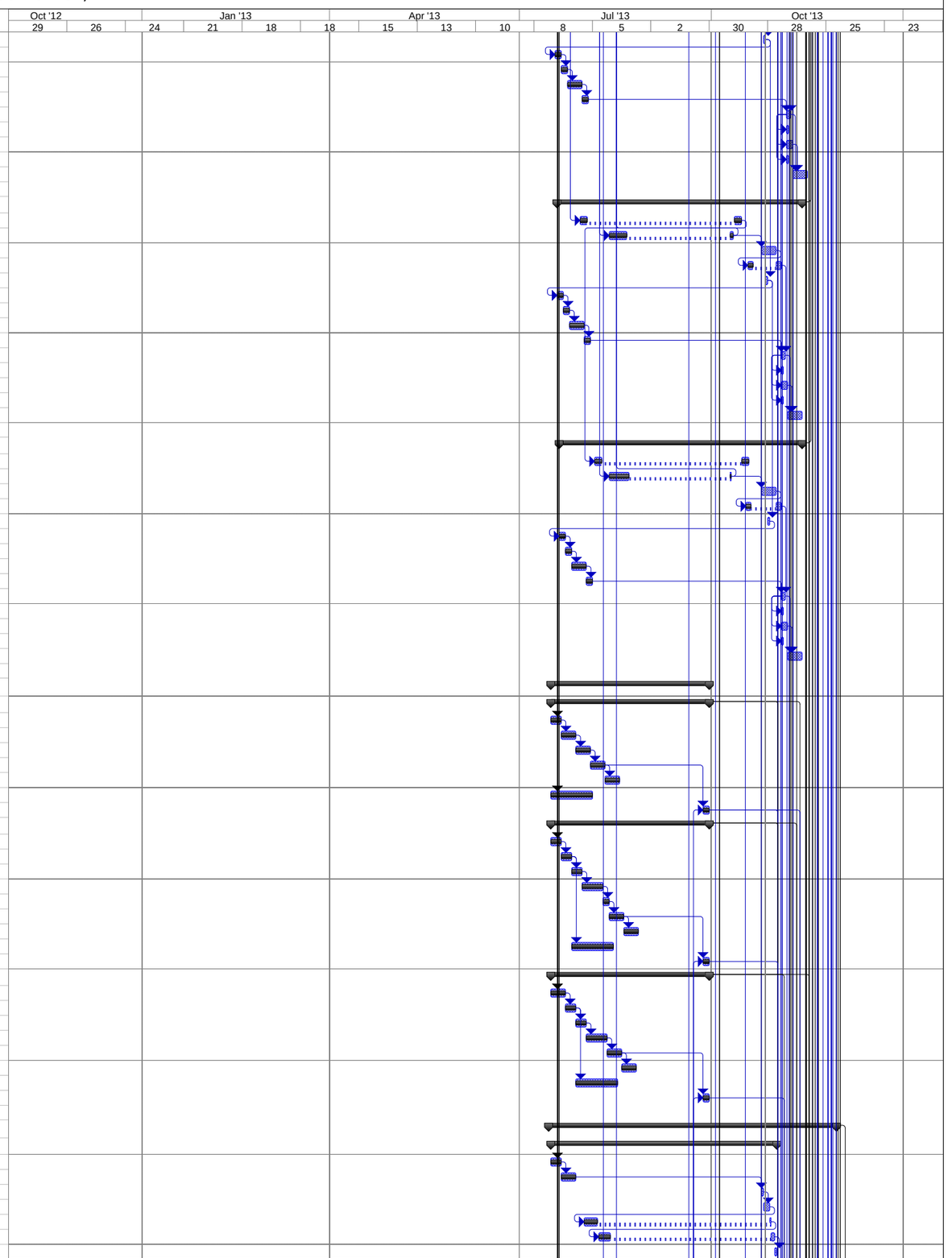
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
1784	M&E 2nd fix	3 days	Sun 3/11/13	Wed 6/11/13	0%	1781,1783
1785	Composite timber decking & finishes	5 days	Wed 6/11/13	Mon 11/11/13	0%	1784
1786	M&E final fix	2 days	Mon 11/11/13	Wed 13/11/13	0%	1785
1787	Over flow drain grating	1 day	Mon 11/11/13	Tue 12/11/13	0%	1786SS
1788	Laminated tempered glass	3 days	Mon 11/11/13	Thu 14/11/13	0%	1786SS
1789	Glass balustrade & SS railing	1 day	Mon 11/11/13	Tue 12/11/13	0%	1786SS
1790	Testing & Commissioning	7 days	Thu 14/11/13	Thu 21/11/13	0%	1788,1786
1791						
1792	**Tower 1 - Private swimming pool at 28th storey (#27-15)**	**133 days**	**Tue 16/7/13**	**Mon 25/11/13**	**34%**	
1793	Structural ponding test	7 days	Tue 16/7/13	Mon 22/7/13	100%	1773SS
1794	Aluminium Trellis	7 days	Sat 5/10/13	Fri 25/10/13	90%	1793FF
1795	Laminated tempered glass C-channel support	2 days	Fri 25/10/13	Sun 27/10/13	0%	1794
1796	Glass balustrade support	1 day	Sun 27/10/13	Mon 28/10/13	0%	1795
1797	M&E 1st fix	3 days	Fri 26/7/13	Sun 28/7/13	100%	1796
1798	Water proofing & Protective screed	7 days	Mon 29/7/13	Sat 5/10/13	100%	1797
1799	Plastering/Skimming works	3 days	Fri 25/10/13	Sun 27/10/13	0%	1798
1800	Cladding work for the RC works in swimming pool deck	5 days	Mon 28/10/13	Fri 1/11/13	0%	1799
1801	Swimming pool Dahalia glass mosaic	5 days	Sat 2/11/13	Wed 6/11/13	0%	1800
1802	Jacuzzi installation	3 days	Sat 2/11/13	Mon 4/11/13	0%	1801SS
1803	Builder work for Jacuzzi	3 days	Tue 5/11/13	Thu 7/11/13	0%	1802
1804	M&E 2nd fix	3 days	Fri 8/11/13	Sun 10/11/13	0%	1801,1803
1805	Composite timber decking & finishes	5 days	Mon 11/11/13	Fri 15/11/13	0%	1804
1806	M&E final fix	2 days	Sat 16/11/13	Sun 17/11/13	0%	1805
1807	Over flow drain grating	1 day	Sat 16/11/13	Sat 16/11/13	0%	1806SS
1808	Laminated tempered glass	3 days	Sat 16/11/13	Mon 18/11/13	0%	1806SS
1809	Glass balustrade & SS railing	1 day	Sat 16/11/13	Sat 16/11/13	0%	1806SS
1810	Testing & Commissioning	7 days	Tue 19/11/13	Mon 25/11/13	0%	1806,1808
1811						
1812	**Tower 2 - Private swimming pool at 34th storey (#33-01)**	**42 days**	**Sat 5/10/13**	**Fri 15/11/13**	**33%**	
1813	Protective screed	1 day	Sat 5/10/13	Sat 5/10/13	100%	2
1814	Plastering/Skimming works	3 days	Sun 6/10/13	Tue 8/10/13	100%	1813
1815	Cladding work for the RC works in swimming pool deck	5 days	Wed 9/10/13	Fri 25/10/13	90%	1814
1816	Swimming pool Dahalia glass mosaic	5 days	Mon 14/10/13	Fri 18/10/13	100%	1815
1817	Laminated tempered glass	3 days	Fri 25/10/13	Sun 27/10/13	0%	1816
1818	Jacuzzi installation	3 days	Fri 25/10/13	Sun 27/10/13	0%	1816SS
1819	M&E 2nd fix	5 days	Mon 28/10/13	Fri 1/11/13	0%	1816,1818
1820	Composite timber decking	5 days	Sat 2/11/13	Wed 6/11/13	0%	1819
1821	M&E final fix	2 days	Thu 7/11/13	Fri 8/11/13	0%	1820
1822	Over flow drain grating	1 day	Thu 7/11/13	Thu 7/11/13	0%	1821SS
1823	Galss balustrade & SS railing	1 day	Thu 7/11/13	Thu 7/11/13	0%	1821SS
1824	Testing & Commissioning	7 days	Sat 9/11/13	Fri 15/11/13	0%	1821,1822
1825						
1826	**Tower 2 - Private swimming pool at 40th storey (#39-08)**	**133.7 days**	**Wed 17/7/13**	**Wed 27/11/13**	**13%**	
1827	Water proofing	7 days	Wed 17/7/13	Fri 25/10/13	90%	1813
1828	Protective screed	1 day	Fri 25/10/13	Sat 26/10/13	0%	1827
1829	Plastering/Skimming works	3 days	Sat 26/10/13	Tue 29/10/13	0%	1828
1830	Cladding work for the RC works in swimming pool deck	5 days	Tue 29/10/13	Sun 3/11/13	0%	1829
1831	Swimming pool Dahalia glass mosaic	5 days	Sun 3/11/13	Fri 8/11/13	0%	1830
1832	Jacuzzi installation	3 days	Sun 3/11/13	Wed 6/11/13	0%	1831SS
1833	Builder work for Jacuzzi	3 days	Wed 6/11/13	Sat 9/11/13	0%	1832
1834	M&E 2nd fix	3 days	Sat 9/11/13	Tue 12/11/13	0%	1831,1833
1835	Composite timber decking & finishes	5 days	Tue 12/11/13	Sun 17/11/13	0%	1834
1836	M&E final fix	2 days	Sun 17/11/13	Tue 19/11/13	0%	1835
1837	Over flow drain grating	1 day	Sun 17/11/13	Mon 18/11/13	0%	1836SS
1838	Laminated tempered glass	3 days	Sun 17/11/13	Wed 20/11/13	0%	1836SS
1839	Glass balustrade & SS railing	1 day	Sun 17/11/13	Mon 18/11/13	0%	1836SS
1840	Testing & Commissioning	7 days	Wed 20/11/13	Wed 27/11/13	0%	1838,1836
1841						
1842	**Podium - Private swimming pool at 7th storey (#07-17)**	**123 days**	**Tue 16/7/13**	**Fri 15/11/13**	**64%**	
1843	Trellis & Cladding work for the RC structure in swimming pool deck	7 days	Tue 16/7/13	Tue 8/10/13	100%	2
1844	Redesign the spiral staircase	7 days	Sat 20/7/13	Fri 26/7/13	100%	2FS+5 days
1845	Preparation material for mock-up (spiral staircase)	7 days	Sat 27/7/13	Fri 2/8/13	100%	1844
1846	Circular staircase	10 days	Sat 3/8/13	Wed 9/10/13	100%	1845
1847	Water proofing & Protective screed at yard	7 days	Fri 25/10/13	Thu 31/10/13	0%	1846
1848	Composite timber decking & finishes	5 days	Fri 1/11/13	Tue 5/11/13	0%	1847
1849	Glass balustrade support	1 day	Fri 25/10/13	Fri 25/10/13	0%	2
1850	M&E 1st fix	3 days	Wed 17/7/13	Fri 19/7/13	100%	1849
1851	Plastering/Skimming works	3 days	Sat 20/7/13	Mon 22/7/13	100%	1850
1852	Swimming pool Dahalia glass mosaic	7 days	Tue 23/7/13	Mon 29/7/13	100%	1851
1853	M&E 2nd fix	3 days	Tue 30/7/13	Thu 1/8/13	100%	1852
1854	M&E final fix	2 days	Wed 6/11/13	Thu 7/11/13	0%	1853,1848
1855	Over flow drain grating	1 day	Wed 6/11/13	Wed 6/11/13	0%	1854SS
1856	Laminated tempered glass	3 days	Wed 6/11/13	Fri 8/11/13	0%	1854SS
1857	Glass balustrade & SS railing	1 day	Wed 6/11/13	Wed 6/11/13	0%	1854SS
1858	Testing & Commissioning	7 days	Sat 9/11/13	Fri 15/11/13	0%	1854,1856
1859						
1860	**Podium - Private swimming pool at 7th storey (#07-19**	**121 days**	**Thu 18/7/13**	**Fri 15/11/13**	**55%**	
1861	Trellis & Cladding work for the RC structure in swimming pool deck	7 days	Tue 23/7/13	Fri 11/10/13	100%	1843
1862	Circular staircase	10 days	Tue 13/8/13	Fri 11/10/13	100%	1846
1863	Water proofing & Protective screed at yard	7 days	Fri 25/10/13	Thu 31/10/13	0%	1862
1864	Composite timber decking & finishes	5 days	Fri 1/11/13	Tue 5/11/13	0%	1863



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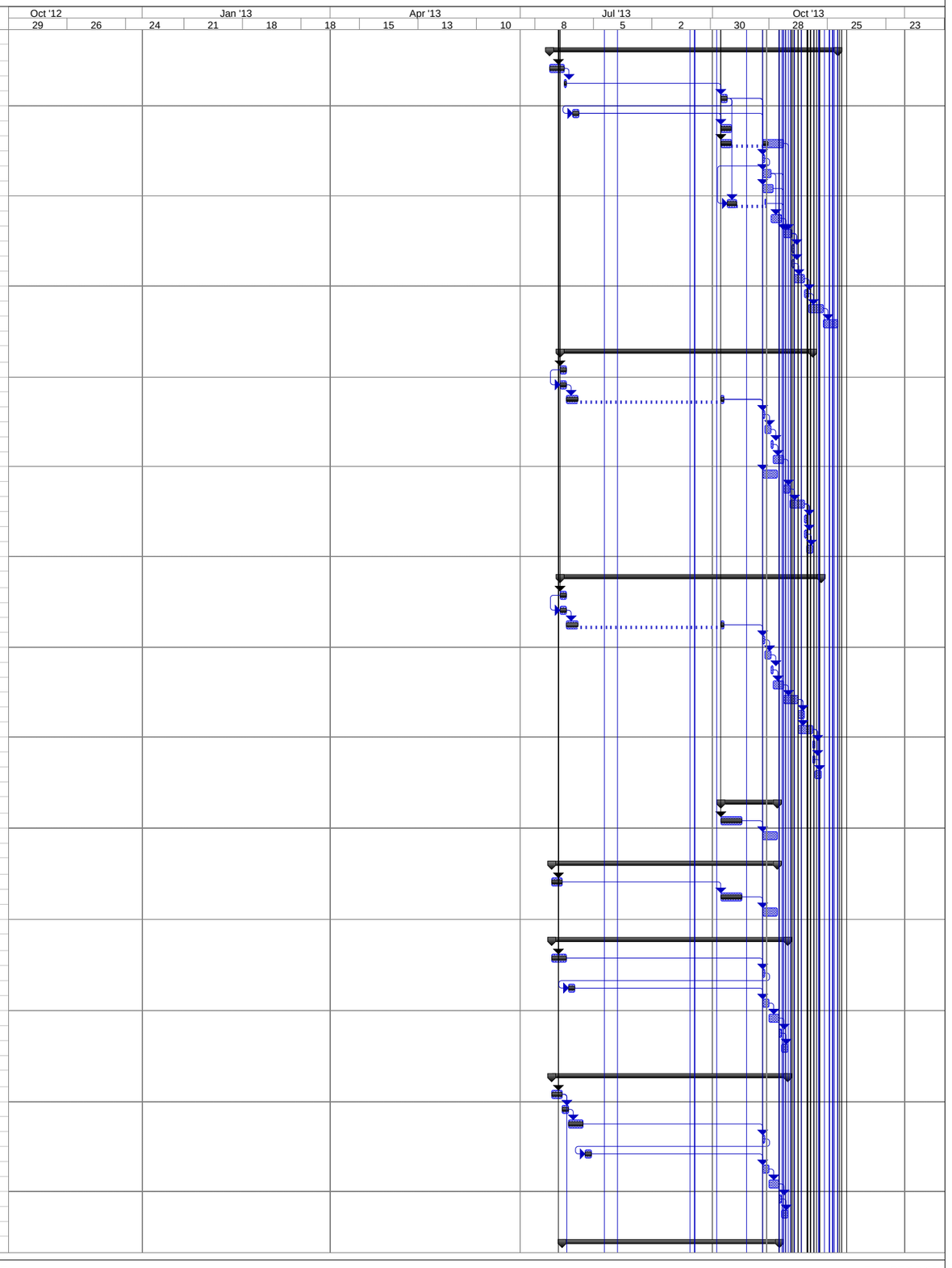
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
1865	Glass balustrade support	1 day	Sat 26/10/13	Sat 26/10/13	0%	1849
1866	M&E 1st fix	3 days	Thu 18/7/13	Sat 20/7/13	100%	1865
1867	Plastering/Skimming works	3 days	Sun 21/7/13	Tue 23/7/13	100%	1866
1868	Swimming pool Dahalia glass mosaic	7 days	Wed 24/7/13	Tue 30/7/13	100%	1867
1869	M&E 2nd fix	3 days	Wed 31/7/13	Fri 2/8/13	100%	1868
1870	M&E final fix	2 days	Wed 6/11/13	Thu 7/11/13	0%	1864,1869
1871	Over flow drain grating	1 day	Wed 6/11/13	Wed 6/11/13	0%	1870SS
1872	Laminated tempered glass	3 days	Wed 6/11/13	Fri 8/11/13	0%	1870SS
1873	Glass balustrade & SS railing	1 day	Wed 6/11/13	Wed 6/11/13	0%	1870SS
1874	Testing & Commissioning	7 days	Sat 9/11/13	Fri 15/11/13	0%	1870,1872
1875						
1876	**Podium - Private swimming pool at 7th storey (#07-21)**	**117.5 days**	**Fri 19/7/13**	**Wed 13/11/13**	**59%**	
1877	Trellis & Cladding work for the RC structure in swimming pool deck	7 days	Tue 30/7/13	Tue 15/10/13	100%	1861
1878	Circular staircase	10 days	Tue 13/8/13	Fri 11/10/13	100%	1846
1879	Water proofing & Protective screed at yard	7 days	Fri 25/10/13	Thu 31/10/13	0%	1878
1880	Composite timber decking & finishes	5 days	Fri 18/10/13	Sun 3/11/13	50%	1879
1881	Glass balustrade support	1 day	Sun 27/10/13	Sun 27/10/13	0%	1865
1882	M&E 1st fix	3 days	Fri 19/7/13	Sun 21/7/13	100%	1881
1883	Plastering/Skimming works	3 days	Mon 22/7/13	Wed 24/7/13	100%	1882
1884	Swimming pool Dahalia glass mosaic	7 days	Thu 25/7/13	Wed 31/7/13	100%	1883
1885	M&E 2nd fix	3 days	Thu 1/8/13	Sat 3/8/13	100%	1884
1886	M&E final fix	2 days	Sun 3/11/13	Tue 5/11/13	0%	1880,1885
1887	Over flow drain grating	1 day	Sun 3/11/13	Mon 4/11/13	0%	1886SS
1888	Laminated tempered glass	3 days	Sun 3/11/13	Wed 6/11/13	0%	1886SS
1889	Glass balustrade & SS railing	1 day	Sun 3/11/13	Mon 4/11/13	0%	1886SS
1890	Testing & Commissioning	7 days	Wed 6/11/13	Wed 13/11/13	0%	1886,1888
1891						
1892	**Podium - Private swimming pool at 7th storey (#07-23)**	**116.5 days**	**Sat 20/7/13**	**Wed 13/11/13**	**59%**	
1893	Trellis & Cladding work for the RC structure in swimming pool deck	7 days	Tue 6/8/13	Fri 18/10/13	100%	1877
1894	Circular staircase	10 days	Tue 13/8/13	Thu 10/10/13	100%	1846
1895	Water proofing & Protective screed at yard	7 days	Fri 25/10/13	Thu 31/10/13	0%	1894
1896	Composite timber decking & finishes	5 days	Thu 17/10/13	Sun 3/11/13	50%	1895
1897	Glass balustrade support	1 day	Mon 28/10/13	Mon 28/10/13	0%	1881
1898	M&E 1st fix	3 days	Sat 20/7/13	Mon 22/7/13	100%	1897
1899	Plastering/Skimming works	3 days	Tue 23/7/13	Thu 25/7/13	100%	1898
1900	Swimming pool Dahalia glass mosaic	7 days	Fri 26/7/13	Thu 1/8/13	100%	1899
1901	M&E 2nd fix	3 days	Fri 2/8/13	Sun 4/8/13	100%	1900
1902	M&E final fix	2 days	Sun 3/11/13	Tue 5/11/13	0%	1896,1901
1903	Over flow drain grating	1 day	Sun 3/11/13	Mon 4/11/13	0%	1902SS
1904	Laminated tempered glass	3 days	Sun 3/11/13	Wed 6/11/13	0%	1902SS
1905	Glass balustrade & SS railing	1 day	Sun 3/11/13	Mon 4/11/13	0%	1902SS
1906	Testing & Commissioning	7 days	Wed 6/11/13	Wed 13/11/13	0%	1902,1904
1907						
1908	**Domestic Water tank Installation & Roof finishes**	**76 days**	**Tue 16/7/13**	**Sun 29/9/13**	**100%**	
1909	**Tower 1 tank**	**76 days**	**Tue 16/7/13**	**Sun 29/9/13**	**100%**	
1910	Structural ponding test	5 days	Tue 16/7/13	Sat 20/7/13	100%	2
1911	Water proofing & Protective screed	7 days	Sun 21/7/13	Sat 27/7/13	100%	1910
1912	Roof finishes	7 days	Sun 28/7/13	Sat 3/8/13	100%	1911
1913	M&E works	7 days	Sun 4/8/13	Sat 10/8/13	100%	1912
1914	Painting work	7 days	Sun 11/8/13	Sat 17/8/13	100%	1913
1915	Aluminium works (Cladding, Screen, Trellis)	20 days	Tue 16/7/13	Sun 4/8/13	100%	2
1916	Testing & Commissioning for M & E works	3 days	Fri 27/9/13	Sun 29/9/13	100%	1913,2096
1917	**Tower 2 tank**	**76 days**	**Tue 16/7/13**	**Sun 29/9/13**	**100%**	
1918	Upper tank installation	5 days	Tue 16/7/13	Sat 20/7/13	100%	2
1919	Catwalk and railing	5 days	Sun 21/7/13	Thu 25/7/13	100%	1918
1920	Structural ponding test	5 days	Fri 26/7/13	Tue 30/7/13	100%	1919
1921	Water proofing & Protective screed	10 days	Wed 31/7/13	Fri 9/8/13	100%	1920
1922	Roof finishes	3 days	Sat 10/8/13	Mon 12/8/13	100%	1921
1923	M&E works (M&E area)	7 days	Tue 13/8/13	Mon 19/8/13	100%	1922
1924	Painting work	7 days	Tue 20/8/13	Mon 26/8/13	100%	1923
1925	Aluminium works (Cladding, Screen, Trellis)	20 days	Fri 26/7/13	Wed 14/8/13	100%	1919
1926	Testing & Commissioning for M & E works	3 days	Fri 27/9/13	Sun 29/9/13	100%	1923,2096
1927	**Podium tank**	**76 days**	**Tue 16/7/13**	**Sun 29/9/13**	**100%**	
1928	I-Beam for tank	7 days	Tue 16/7/13	Mon 22/7/13	100%	2
1929	Lower tank installation	5 days	Tue 23/7/13	Sat 27/7/13	100%	1928
1930	Structural ponding test	5 days	Sun 28/7/13	Thu 1/8/13	100%	1929
1931	Water proofing & Protective screen	10 days	Fri 2/8/13	Sun 11/8/13	100%	1930
1932	M&E works	7 days	Mon 12/8/13	Sun 18/8/13	100%	1931
1933	Painting work	7 days	Mon 19/8/13	Sun 25/8/13	100%	1932
1934	Aluminium works (Cladding, Screen, Trellis)	20 days	Sun 28/7/13	Fri 16/8/13	100%	1929
1935	Testing &Commissioning for M&E works	3 days	Fri 27/9/13	Sun 29/9/13	100%	2096,1932
1936						
1937	**Roof - Archi finishes**	**138 days**	**Mon 15/7/13**	**Fri 29/11/13**	**50%**	
1938	**Tower 1 Roof at 21at storey**	**108.1 days**	**Tue 16/7/13**	**Fri 1/11/13**	**77%**	
1939	Structural ponding test	5 days	Tue 16/7/13	Sat 20/7/13	100%	2
1940	Water proofing & Protective screed	7 days	Sun 21/7/13	Sat 27/7/13	100%	1939
1941	Door frame	1 day	Fri 25/10/13	Fri 25/10/13	0%	1940
1942	Plastering/Skimming works	3 days	Sat 26/10/13	Mon 28/10/13	0%	1941
1943	Roof finishes	7 days	Thu 1/8/13	Tue 29/10/13	90%	1942
1944	Cladding work for RC walls & Trellis work	7 days	Thu 8/8/13	Thu 31/10/13	80%	1943
1945	Door panel	1 day	Thu 31/10/13	Fri 1/11/13	0%	1944



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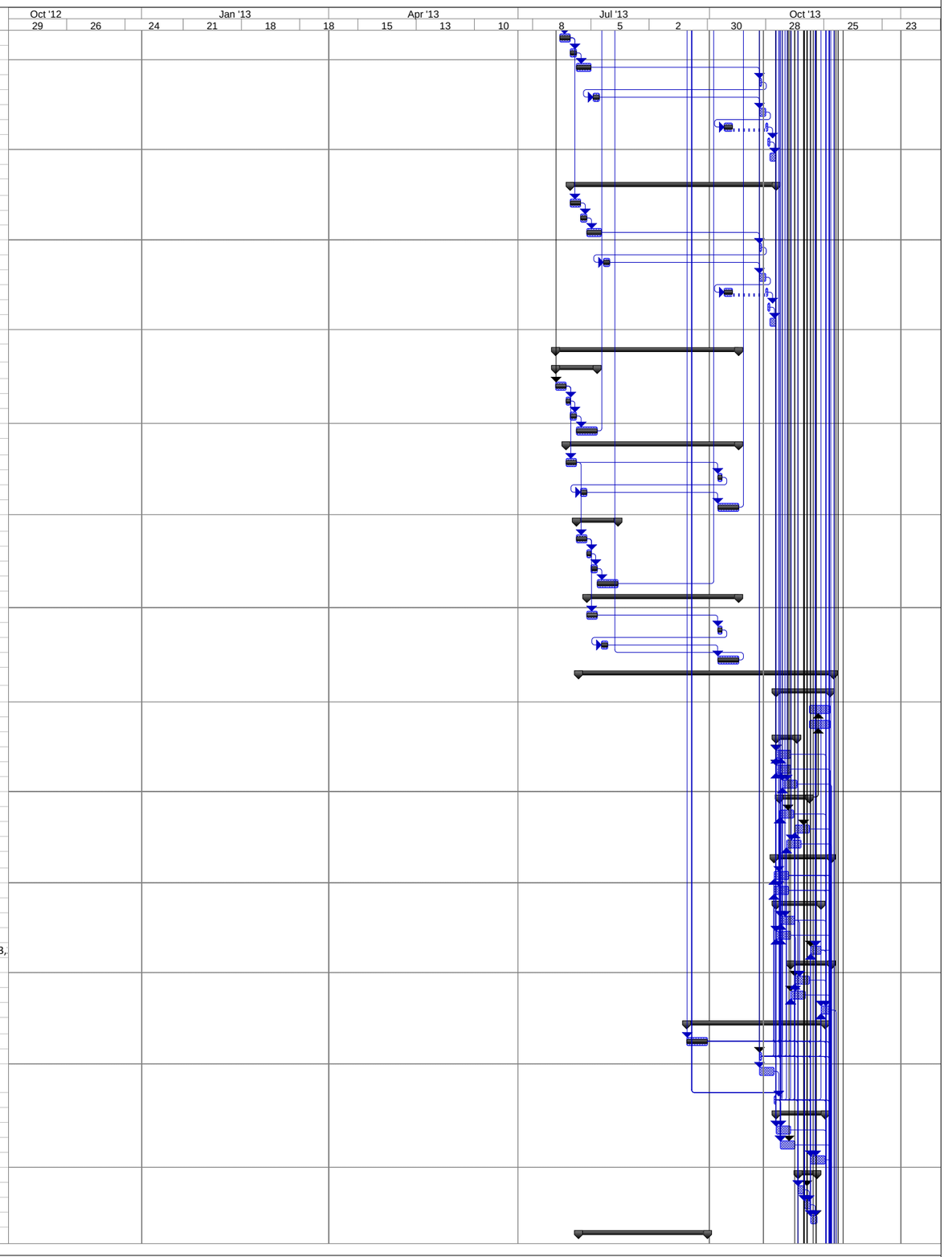
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
1946						
1947	**Tower 1 Private Roof Garden at 29th storey**	**138 days**	**Mon 15/7/13**	**Fri 29/11/13**	**38%**	
1948	Water proofing for HCAP toilet	7 days	Mon 15/7/13	Sun 21/7/13	100%	2
1949	Door frame at HCAP toilet	1 day	Mon 22/7/13	Mon 22/7/13	100%	1948
1950	M&E 1st fix at HCAP toilet	3 days	Sat 5/10/13	Mon 7/10/13	100%	1949
1951	Plastering/Skimming works at HCAP toilet	3 days	Fri 26/7/13	Sun 28/7/13	100%	1950
1952	Tile/Marble for HCAP toilet (Floor & Wall)	5 days	Sat 5/10/13	Wed 9/10/13	100%	1951
1953	Cladding work for RC walls & Trellis work	15 days	Sat 5/10/13	Sun 3/11/13	50%	2
1954	Glass balustrade support	1 day	Fri 25/10/13	Fri 25/10/13	0%	1951
1955	Bio Pond	4 days	Fri 25/10/13	Mon 28/10/13	0%	1950
1956	Reflective Pool	5 days	Fri 25/10/13	Tue 29/10/13	0%	1950
1957	Granite Deck	5 days	Tue 8/10/13	Sat 26/10/13	90%	1954,1950
1958	Meditation Deck	5 days	Tue 29/10/13	Sat 2/11/13	0%	1955
1959	Timber Deck	4 days	Mon 4/11/13	Thu 7/11/13	0%	1955,1956,1957,1958,1953
1960	Benches & Door panel	1 day	Fri 8/11/13	Fri 8/11/13	0%	1959
1961	Reflecxology work	1 day	Fri 8/11/13	Fri 8/11/13	0%	1959
1962	M & E final fix	5 days	Sat 9/11/13	Wed 13/11/13	0%	1961
1963	Glass balustrade & SS railing	2 days	Thu 14/11/13	Fri 15/11/13	0%	1962
1964	Testing & Commissioning of Reflective pool and Bio bond	7 days	Sat 16/11/13	Fri 22/11/13	0%	1963
1965	Landscape work (Plantation)	7 days	Sat 23/11/13	Fri 29/11/13	0%	1964
1966						
1967	**Tower 2 Private Roof Garden at 35th storey**	**121 days**	**Sat 20/7/13**	**Sun 17/11/13**	**29%**	
1968	Brick wall	3 days	Sat 20/7/13	Mon 22/7/13	100%	2FS+5 days
1969	Dog house	3 days	Sat 20/7/13	Mon 22/7/13	100%	1968SS
1970	Water proofing & Protective screed	7 days	Tue 23/7/13	Sun 6/10/13	100%	1969
1971	Door frame	1 day	Fri 25/10/13	Fri 25/10/13	0%	1970
1972	Plastering/Skimming works	3 days	Sat 26/10/13	Mon 28/10/13	0%	1971
1973	Glass balustrade support	1 day	Tue 29/10/13	Tue 29/10/13	0%	1972
1974	Floor tile for private area	5 days	Wed 30/10/13	Sun 3/11/13	0%	1973
1975	Roof finishes	7 days	Fri 25/10/13	Thu 31/10/13	0%	1970
1976	Aluminium work for VRV	3 days	Mon 4/11/13	Wed 6/11/13	0%	1974
1977	Cladding work for RC walls & Trellis work	7 days	Thu 7/11/13	Wed 13/11/13	0%	1976
1978	Glass balustrade & SS railing	1 day	Thu 14/11/13	Thu 14/11/13	0%	1977
1979	Door panel	1 day	Thu 14/11/13	Thu 14/11/13	0%	1977
1980	Landscape work (Plantation)	3 days	Fri 15/11/13	Sun 17/11/13	0%	1979
1981						
1982	**Tower 2 Private Roof Garden at 41st storey**	**125 days**	**Sat 20/7/13**	**Thu 21/11/13**	**29%**	
1983	Brick wall	3 days	Sat 20/7/13	Mon 22/7/13	100%	2FS+5 days
1984	Dog house	3 days	Sat 20/7/13	Mon 22/7/13	100%	1983SS
1985	Water proofing & Protective screed	7 days	Tue 23/7/13	Sun 6/10/13	100%	1984
1986	Door frame	1 day	Fri 25/10/13	Fri 25/10/13	0%	1985
1987	Plastering/Skimming works	3 days	Sat 26/10/13	Mon 28/10/13	0%	1986
1988	Glass balustrade support	1 day	Tue 29/10/13	Tue 29/10/13	0%	1987
1989	Floor tile for private area	5 days	Wed 30/10/13	Sun 3/11/13	0%	1988
1990	Roof finishes	7 days	Mon 4/11/13	Sun 10/11/13	0%	1989
1991	Aluminium work for VRV	3 days	Mon 11/11/13	Wed 13/11/13	0%	1990
1992	Cladding work for RC walls & Trellis work	7 days	Mon 11/11/13	Sun 17/11/13	0%	1990
1993	Glass balustrade & SS railing	1 day	Mon 18/11/13	Mon 18/11/13	0%	1992
1994	Door panel	1 day	Mon 18/11/13	Mon 18/11/13	0%	1992
1995	Landscape work (Plantation)	3 days	Tue 19/11/13	Thu 21/11/13	0%	1994
1996						
1997	**Tower 1 LMR Roof**	**27 days**	**Sat 5/10/13**	**Thu 31/10/13**	**59%**	
1998	Trellis over LMR & M & E riser roof	10 days	Sat 5/10/13	Mon 14/10/13	100%	2
1999	BMU Testing and Commissioning	7 days	Fri 25/10/13	Thu 31/10/13	0%	1998
2000						
2001	**Tower 2 LMR Roof**	**108 days**	**Tue 16/7/13**	**Thu 31/10/13**	**68%**	
2002	Water proofing & Protective screed	5 days	Tue 16/7/13	Sat 20/7/13	100%	2
2003	Trellis over LMR & M & E riser roof	10 days	Sat 5/10/13	Mon 14/10/13	100%	2002
2004	BMU Testing and Commissioning	7 days	Fri 25/10/13	Thu 31/10/13	0%	2003
2005						
2006	**Podium Private Roof Garden area at 8th storey -#07-17**	**113 days**	**Tue 16/7/13**	**Tue 5/11/13**	**43%**	
2007	Water proofing & Protective screed	7 days	Tue 16/7/13	Mon 22/7/13	100%	2
2008	Door frame	1 day	Fri 25/10/13	Fri 25/10/13	0%	2007
2009	Plastering/Skimming works	3 days	Wed 24/7/13	Fri 26/7/13	100%	2008
2010	Aluminium work for VRV	3 days	Fri 25/10/13	Sun 27/10/13	0%	2009
2011	Composite timber deck	5 days	Mon 28/10/13	Fri 1/11/13	0%	2010
2012	Door panel	1 day	Sat 2/11/13	Sat 2/11/13	0%	2011
2013	Landscape work (Plantation)	3 days	Sun 3/11/13	Tue 5/11/13	0%	2012
2014						
2015	**Podium Private Roof Garden area at 8th storey -#07-19**	**113 days**	**Tue 16/7/13**	**Tue 5/11/13**	**58%**	
2016	Structural ponding test	5 days	Tue 16/7/13	Sat 20/7/13	100%	2
2017	screed to fall for water proofing	3 days	Sun 21/7/13	Tue 23/7/13	100%	2016
2018	Water proofing & Protective screed	7 days	Wed 24/7/13	Tue 30/7/13	100%	2017
2019	Door frame	1 day	Fri 25/10/13	Fri 25/10/13	0%	2018
2020	Plastering/Skimming works	3 days	Thu 1/8/13	Sat 3/8/13	100%	2019
2021	Aluminium work for VRV	3 days	Fri 25/10/13	Sun 27/10/13	0%	2020
2022	Composite timber deck	5 days	Mon 28/10/13	Fri 1/11/13	0%	2021
2023	Door panel	1 day	Sat 2/11/13	Sat 2/11/13	0%	2022
2024	Landscape work (Plantation)	3 days	Sun 3/11/13	Tue 5/11/13	0%	2023
2025						
2026	**Podium Private Roof Garden area at 8th storey -#07-21**	**104 days**	**Sun 21/7/13**	**Fri 1/11/13**	**71%**	



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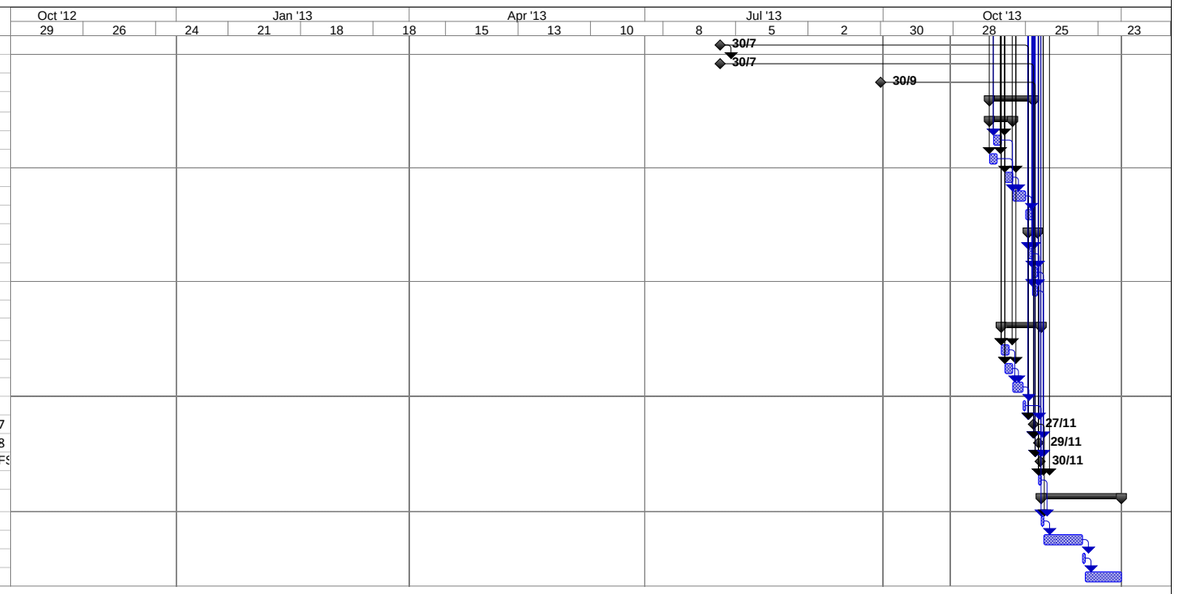
ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
2027	Structural ponding test	5 days	Sun 21/7/13	Thu 25/7/13	100%	2016
2028	screed to fall for water proofing	3 days	Fri 26/7/13	Sun 28/7/13	100%	2027
2029	Water proofing & Protective screed	7 days	Mon 29/7/13	Sun 4/8/13	100%	2028
2030	Door frame	1 day	Fri 25/10/13	Fri 25/10/13	0%	2029
2031	Plastering/Skimming works	3 days	Tue 6/8/13	Thu 8/8/13	100%	2030
2032	Aluminium work for VRV	3 days	Fri 25/10/13	Sun 27/10/13	0%	2031
2033	Composite timber deck	5 days	Tue 8/10/13	Mon 28/10/13	80%	2032
2034	Door panel	1 day	Tue 29/10/13	Tue 29/10/13	0%	2033
2035	Landscape work (Plantation)	3 days	Wed 30/10/13	Fri 1/11/13	0%	2034
2036						
2037	**Podium Private Roof Garden area at 8th storey -#07-23**	**99 days**	**Fri 26/7/13**	**Fri 1/11/13**	**71%**	
2038	Structural ponding test	5 days	Fri 26/7/13	Tue 30/7/13	100%	2027
2039	screed to fall for water proofing	3 days	Wed 31/7/13	Fri 2/8/13	100%	2038
2040	Water proofing & Protective screed	7 days	Sat 3/8/13	Fri 9/8/13	100%	2039
2041	Door frame	1 day	Fri 25/10/13	Fri 25/10/13	0%	2040
2042	Plastering/Skimming works	3 days	Sun 11/8/13	Tue 13/8/13	100%	2041
2043	Aluminium work for VRV	3 days	Fri 25/10/13	Sun 27/10/13	0%	2042
2044	Composite timber deck	5 days	Tue 8/10/13	Mon 28/10/13	80%	2043
2045	Door panel	1 day	Tue 29/10/13	Tue 29/10/13	0%	2044
2046	Landscape work (Plantation)	3 days	Wed 30/10/13	Fri 1/11/13	0%	2045
2047						
2048	**Podium -Roof finishes at M&E area at 8th storey**	**88 days**	**Fri 19/7/13**	**Mon 14/10/13**	**100%**	
2049	**At PS1 area**	**20 days**	**Fri 19/7/13**	**Wed 7/8/13**	**100%**	
2050	Structural ponding test	5 days	Fri 19/7/13	Tue 23/7/13	100%	2FS+4 days
2051	Water proofing & Protective screed	2 days	Wed 24/7/13	Thu 25/7/13	100%	2050
2052	Plastering/Skimming works	3 days	Fri 26/7/13	Sun 28/7/13	100%	2051
2053	M&E works	10 days	Mon 29/7/13	Wed 7/8/13	100%	2052
2054	**At PS2 area**	**83 days**	**Wed 24/7/13**	**Mon 14/10/13**	**100%**	
2055	Structural ponding test	5 days	Wed 24/7/13	Sun 28/7/13	100%	2050
2056	Water proofing & Protective screed	2 days	Sat 5/10/13	Sun 6/10/13	100%	2055
2057	Plastering/Skimming works	3 days	Wed 31/7/13	Fri 2/8/13	100%	2056
2058	M&E works	10 days	Sat 5/10/13	Mon 14/10/13	100%	2057
2059	**At PS3 area**	**20 days**	**Mon 29/7/13**	**Sat 17/8/13**	**100%**	
2060	Structural ponding test	5 days	Mon 29/7/13	Fri 2/8/13	100%	2055
2061	Water proofing & Protective screed	2 days	Sat 3/8/13	Sun 4/8/13	100%	2060
2062	Plastering/Skimming works	3 days	Mon 5/8/13	Wed 7/8/13	100%	2061
2063	M&E works	10 days	Thu 8/8/13	Sat 17/8/13	100%	2062
2064	**At PS4 area**	**73 days**	**Sat 3/8/13**	**Mon 14/10/13**	**100%**	
2065	Structural ponding test	5 days	Sat 3/8/13	Wed 7/8/13	100%	2060
2066	Water proofing & Protective screed	2 days	Sat 5/10/13	Sun 6/10/13	100%	2065
2067	Plastering/Skimming works	3 days	Sat 10/8/13	Mon 12/8/13	100%	2066
2068	M&E works	10 days	Sat 5/10/13	Mon 14/10/13	100%	2067
2069	**M&E items**	**l22.7 days**	**Tue 30/7/13**	**Fri 29/11/13**	**5%**	
2070	**Fire fighting system**	**26 days**	**Sat 2/11/13**	**Wed 27/11/13**	**0%**	
2071	Fire command centre - MV mimic panel	10 days	Mon 18/11/13	Wed 27/11/13	0%	2077
2072	Fire command centre - Fire mimic panel	10 days	Mon 18/11/13	Wed 27/11/13	0%	2077
2073	**Sprinkler system T&C**	**10 days**	**Sat 2/11/13**	**Mon 11/11/13**	**0%**	
2074	Tower 1	7 days	Sat 2/11/13	Fri 8/11/13	0%	907,1909,2093,2094,2096,1916
2075	Tower 2	7 days	Sat 2/11/13	Fri 8/11/13	0%	1389,1917,2093,2094,2096,1926
2076	Podium (Car park +Residential)	7 days	Tue 5/11/13	Mon 11/11/13	0%	1667,1927,2093,2094,2096,1935
2077	**Fire alarm system T&C**	**14.5 days**	**Sun 3/11/13**	**Sun 17/11/13**	**0%**	
2078	Tower 1	7 days	Sun 3/11/13	Sun 10/11/13	0%	929,2093,2094,2096
2079	Tower 2	7 days	Mon 11/11/13	Sun 17/11/13	0%	1413,2093,2094,2096
2080	Podium (Car park +Residential)	7 days	Thu 7/11/13	Wed 13/11/13	0%	1689,2093,2094,2096
2081	**MV system**	**27.7 days**	**Fri 1/11/13**	**Thu 28/11/13**	**0%**	
2082	Car park MV fan at B2	7 days	Fri 1/11/13	Thu 7/11/13	0%	2093,2094,101
2083	Car park MV fan at B1	7 days	Fri 1/11/13	Thu 7/11/13	0%	2093,2094,102
2084	**Staircase pressurization fan T&C**	**21.7 days**	**Sat 2/11/13**	**Sat 23/11/13**	**0%**	
2085	Tower 1	7 days	Mon 4/11/13	Sun 10/11/13	0%	964,963,2093,2094,2096,965
2086	Tower 2	7 days	Sat 2/11/13	Fri 8/11/13	0%	1451,1452,2093,2094,2096
2087	Podium	5 days	Mon 18/11/13	Sat 23/11/13	0%	1724,1725,1729,1730,1734,1735,1739,1740,2093,
2088	**Common corridor ventilation**	**19.7 days**	**Sat 9/11/13**	**Thu 28/11/13**	**0%**	
2089	Tower 1	7 days	Mon 11/11/13	Sun 17/11/13	0%	921,2093,2094,2096,2085
2090	Tower 2	7 days	Sat 9/11/13	Fri 15/11/13	0%	1404,2093,2094,2096,2086
2091	Podium (Residential)	5 days	Sat 23/11/13	Thu 28/11/13	0%	1688,2093,2094,2096,2087
2092	**Electrical system**	**66.7 days**	**Fri 20/9/13**	**Mon 25/11/13**	**20%**	
2093	Genset installation T&C (after the zone - 17 finishes)	10 days	Fri 20/9/13	Sun 29/9/13	100%	429
2094	HT & LT turn on	1 day	Fri 25/10/13	Fri 25/10/13	0%	2FS+10 days
2095	Balance work for New transformer turn on (After tower crane opening cast back)	7 days	Fri 25/10/13	Thu 31/10/13	0%	36FS+5 days
2096	3 New transformer turn on	1 day	Fri 1/11/13	Fri 1/11/13	0%	2095
2097	**Emegency lighting T&C**	**23.7 days**	**Sat 2/11/13**	**Mon 25/11/13**	**0%**	
2098	Tower 1	7 days	Sat 2/11/13	Fri 8/11/13	0%	913,962,2093,2094,2096
2099	Tower 2	7 days	Mon 4/11/13	Sun 10/11/13	0%	1395,1450,2093,2094,2096
2100	Podium (Car park +Residential)	7 days	Mon 18/11/13	Mon 25/11/13	0%	1687,1723,1728,1733,1738,2093,2094,2096
2101	**PUB testing (units)- Electrical**	**9 days**	**Tue 12/11/13**	**Thu 21/11/13**	**0%**	
2102	Tower 1	3 days	Tue 12/11/13	Fri 15/11/13	0%	758,2093,2094,2096
2103	Tower 2	3 days	Fri 15/11/13	Mon 18/11/13	0%	1225,2093,2094,2096,2102
2104	Podium (Residential)	3 days	Mon 18/11/13	Thu 21/11/13	0%	1551,2093,2094,2096,2103
2105	**Lift Installation**	**62 days**	**Tue 30/7/13**	**Mon 30/9/13**	**100%**	



Phase 3 Master Schedule Rev 3.1_24-10-2013

(Balance works completion for TOP)

ID	Task Name	Duration	Start	Finish	% Complete	Predecessors
2106	Tower 1 lifts completion + T&C	0 days	Tue 30/7/13	Tue 30/7/13	100%	
2107	Tower 2 lifts completion + T&C	0 days	Tue 30/7/13	Tue 30/7/13	100%	2106
2108	Podium lifts completion + T&C	0 days	Mon 30/9/13	Mon 30/9/13	100%	
2109	**Plumbing $ sanitary system**	**17 days**	**Mon 11/11/13**	**Wed 27/11/13**	**0%**	
2110	**PUB testing (units)- water**	**9 days**	**Mon 11/11/13**	**Tue 19/11/13**	**0%**	
2111	Tower 1	3 days	Tue 12/11/13	Fri 15/11/13	0%	758,1909,1916
2112	Tower 2	3 days	Mon 11/11/13	Wed 13/11/13	0%	1225,1917
2113	Podium (Residential)	3 days	Sun 17/11/13	Tue 19/11/13	0%	1551,1927
2114	PUB clearence	5 days	Wed 20/11/13	Sun 24/11/13	0%	2111,2112,2113
2115	Sanitary stack connection to IC	3 days	Mon 25/11/13	Wed 27/11/13	0%	2114
2116	**CBPU inspection for the swimming pool**	**3.7 days**	**Tue 26/11/13**	**Fri 29/11/13**	**0%**	
2117	Tower 1 swimming pools	2 days	Tue 26/11/13	Wed 27/11/13	0%	1756,1770,1781,1810,2093,2094,2096
2118	Tower 2 swimming pools	2 days	Wed 27/11/13	Fri 29/11/13	0%	1824,1840,2093,2094,2096
2119	Podium swimming pools & 5th storey E-Deck	2 days	Wed 27/11/13	Fri 29/11/13	0%	229,1824,1840,1858,2093,2094,2096
2120						
2121	**Authorities Inspection & Getting TOP**	**15.4 days**	**Fri 15/11/13**	**Sat 30/11/13**	**0%**	
2122	Household shelter - BCA inspection (T1)	3 days	Fri 15/11/13	Mon 18/11/13	0%	731,687,575
2123	Household shelter - BCA inspection (T2)	3 days	Sun 17/11/13	Tue 19/11/13	0%	1185,1119,966
2124	Household shelter BCA inspection comments rectification	4 days	Wed 20/11/13	Sat 23/11/13	0%	2123,2122
2125	Final household shelter inspection	1 day	Sun 24/11/13	Sun 24/11/13	0%	2124
2126	Final RI Inspection - Tower 1	0 days	Wed 27/11/13	Wed 27/11/13	0%	2074,2078,2082,2083,2085,2089,2098,2106,2117
2127	Final RI Inspection - Tower 2	0 days	Fri 29/11/13	Fri 29/11/13	0%	2075,2079,2082,2083,2086,2090,2099,2107,2118
2128	Final RI Inspection - Podium	0 days	Sat 30/11/13	Sat 30/11/13	0%	2076,2080,2082,2083,2087,2091,2100,2108,2119FS
2129	Final QP Inspection	1 day	Sat 30/11/13	Sat 30/11/13	0%	212,32,118,574,1743,1937,351
2130	**TOP Certification**	**31 days**	**Sun 1/12/13**	**Tue 31/12/13**	**0%**	
2131	BCA 1st Inspection	1 day	Sun 1/12/13	Sun 1/12/13	0%	2129,2125,2126
2132	BCA comments rectification	15 days	Mon 2/12/13	Mon 16/12/13	0%	2131
2133	BCA 2nd Inspection	1 day	Tue 17/12/13	Tue 17/12/13	0%	2132
2134	TOP Certification	14 days	Wed 18/12/13	Tue 31/12/13	0%	2133



SECTION 4

PROGRAMME

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

Service	Authority	Original Submission		Comments/Resubmission						Approval/
		Scheduled	Actual	Comment	Resubmit	Comment	Resubmit	Comment	Resubmit	Clearance
Application for Electricity Supply	SP Services Ltd	NA								
Power Supply Substation	SP PowerGrid Ltd	NA								
Metering Layout	SP Services Ltd	NA								
Sanitary Installation	PUB Water Reclamation (Network) Dept	Mid Oct '09	27/8/09							8/9/09
Domestic Water Supply	PUB (Water Supply) Network Dept	Mid March '09	20/4/09	8/6/09	14/10/09	20/11/09	3/12/09	23/2/10	24/3/10	1/4/10
Gas Supply Installation	City Gas Pte Ltd	Mid Sept '09	29/10/09	11/11/09	5/4/10					12/4/10
Air Conditioning & Ventilation Inst.	FSSD	Mid Oct '09	12/4/11							26/4/11
Fire Fighting & Alarm Installation	FSSD	Mid Oct '09	15/2/12							29/2/12
Telephone Installation & Broadband Co-axial Cable System (BCS)	TFCC	Mid Sept '09	11/12/12							4/1/13
Fuel Storage	FSSD	NA								
	NEA (Pollution Control)	NA								

SECTION 4

PROGRAMME

4.3 Authority Submission Status for M&E Services (Amendments) - 2nd Submission (NOT USED)

Service	Authority	Original Submission		Comments/Resubmission						Approval/
		Scheduled	Actual	Comment	Resubmit	Comment	Resubmit	Comment	Resubmit	Clearance
Application for Electricity Supply	SP Services Ltd									
Power Supply Substation	SP PowerGrid Ltd									
Metering Layout	SP Services Ltd									
Sanitary Installation	PUB Water Reclamation (Network) Dept									
Domestic Water Supply	PUB (Water Supply) Network Dept									
Gas Supply Installation	City Gas Pte Ltd									
Air Conditioning & Ventilation Inst.	FSSD									
Fire Fighting & Alarm Installation	FSSD									
Telephone Installation	TFCC									
Broadband Co-axial Cable System (BCS)	Starhub Cable Vision									
Fuel Storage	FSSD									
	NEA (Pollution Control)									

SECTION 5

PROJECT RECORDS

5.1 List of Internal Files

Standard Files

File Ref:		File Ref:	
- Owner	✓	- Architect	✓
- Authorities	✓	- Other Consultants	✓
- Contractors	✓	- CC	✓
- CF	✓	- PQP/QSP	✓

Project Files to be initiated by PM as and when required

File Ref:		File Ref:		File Ref:	
- PP/VO	✓				
- EI/ED	✓				

(✓*where applicable*)

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	Tay Chin Meng
Incoming Architectural Sketches/Details	Tay Chin Meng
Incoming Structural Drawings	Tay Chin Meng
M&E Drawings	
- Electrical Installation	Victor Tjhin
- Lift Installation	Victor Tjhin
- Air Conditioning & Ventilation Installation	Tay Chin Meng
- Fire Fighting & Alarm Installation	Tay Chin Meng
- Plumbing & Sanitary Installation	Tay Chin Meng
- Swimming Pool Filtration Plant Installation	Tay Chin Meng
Other Drawings	
- Landscape	Tay Chin Meng
- Special Lighting	Victor Tjhin
- Façade	Tay Chin Meng
- Interior Design	Tay Chin Meng

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

Item No.	Description*	Required From	Required By	Date Required	Remarks
1	Electrical Load for Mechanical Equipment	TCM	LFY	10/10/09	-

** Information required by INTERNAL DESIGN TEAM MEMBERS*

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	A	C	C	-	
b.	Project Administration	-	-	-	-	-	
c.	Project Cost Estimate/Contract Cost	A	A	-	-	C	
2.	**Drawings**						
a.	Outline Design Drgs.	A	A	C	C	-	
b.	Sketch Design Drgs.	A	A	C	C	-	
c.	Final Design Drgs.	A	A	C	C	-	
d.	Shop Drawings	-	-	A/C	C	-	
e.	As Built Drgs.	I	I	I	I	I	
3.	**Other Document**						
a.	Specification	A	A	C	C	C	
b.	Tender Document	A	A	C	-	C	
c.	Tender Evaluation Report	A	A	C	-	C	
d.	Design Report	A	A	C	C	C	
e.	Progress Report	-	-	-	-	-	
f.	Financial Report	-	-	-	-	-	
g.	Minutes of Meeting	I	I	I	I	-	
h.	Inspection Report	I	I	I	-	-	
i.	Testing & Comm. Report	I	I	I	-	-	
j.	O & M Manual	I	I	I	-	-	

SECTION 7

WORK AUTHORISATION

Activity \ Authorised Signatories	PD	QP	PM	AE	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 Questionnaires			✓		
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
AE : Assistant Engineer
SS : ACEPL Site Staff

SECTION 8

DESIGN INPUT & METHODOLOGY

8.1 List of Client's Standards, Reference Documents or Brief (NOT USED)

ITEM	KEPT BY

8.2 List of Applicable Code of Practice and Regulations

Services	Title of Code of Practice/Standard
Electrical Wiring	CP 5
Lightning Protection System	SS 555
Emergency Voice Communication System	SS 546
Air Conditioning & Ventilation Installation	SS 553
Lift & Escalator Installation	SS 550
Sprinkler System	CP 52
Wet Riser System	SS 575
Automatic Fire Alarm System	CP 10
Sanitary System	Code of Practice on Sewerage and Sanitary Works
Plumbing System	CP 48
Town Gas/LPG Supply System	CP 51
Boiler and Steam Supply System	-
Mechanical Smoke Control System	-

SECTION 8

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 Pre-Consultation and Waiver (Refer to attached)

S/N	Description	Date of Application	Date of Approval	Remarks
1	*Clause number in Code of Practice for (Services) which require clarification or waiver. Consultation Ref No. Waiver Ref. No.			
2	*Clause number in Code of Practice for (Services) which require clarification or waiver. Consultation Ref No. Waiver Ref. No.			
3	*Clause number in Code of Practice for (Services) which require clarification or waiver. Consultation Ref No. Waiver Ref. No.			

*To fill in actual information

SINGAPORE CIVIL DEFENCE FORCE

HQ SINGAPORE CIVIL DEFENCE FORCE
91 Ubi Avenue 4 Singapore 408827
Website: http//:www.scdf.gov.sg

e quote our ref. no. in all future correspondences

SUB2007054205

CONSULTATION

Your Ref :
Our Ref : CON/C0004412/07
Date : 20-AUG-2007

DID: 68481467
FAX 68481490

ARCHITECTS 61 PTE LTD
150,BEACH ROAD
#23-01
SINGAPORE 189720

Attn: SHAN

Dear Sir/Madam,

proposed a & to existing concourse shops / apartments to 4/7 storey podium (parks, apartments, 1st storey commercial, 2 blocks 22/27 & 35/41 storey residential flats with communal facilities at 298/300 beach road

Thank you for seeking our consultation. Attached are the records of consultation made on 16-AUG-2007.

Yours faithfully,

HAN FOOK KUANG
for COMMISSIONER
SINGAPORE CIVIL DEFENCE FORCE

(This is a computer print out. No signature is required)

architects61
MN JC TLS
22 AUG 2007
RECEIVED
replied:
by:
ref:

Shan 4/9

Shan

SINGAPORE CIVIL DEFENCE FORCE

HQ SINGAPORE CIVIL DEFENCE FORCE
91 Ubi Avenue 4 Singapore 408827
Website: http//:www.scdf.gov.sg

so quote our ref. no. in all future correspondences

Ref No : CON/C0004412/07

PROPOSAL: proposed a & to existing concourse shops / apartments to 4/7 storey podium (parks, apartments, 1st storey commercial, 2 blocks 22/27 & 35/41 storey residential flats with communal facilities at 298/300 beach road

RECORD OF CONSULTATION

Item 1: Existing B1/B2 carpark be separated into 2 carparks, one for residential and one for commercial usage. Could the existing M/V system serving commercial car park be retained and the residential car park be provided with a new set of purging system

Comment: As discussed, FSSD has no objection to the proposal provided it comply fully with the purging system requirements and CP13. The separation wall may not be fire compartmented wall but the exits provision shall not be affected.

Item 2: Fire-fighting and smoke stop lobby

Comment: As discussed, the M/V system for these lobbies is not allow with any exhaust system. Any exhaust system including openings shall be fail-safe type (shut-down and close) and be linked to the fire signal. Please provide the details to FSSD for further comment.

Item 3: Different kitchens from various eating outlets/restaurant sharing kitchen exhaust duct

Comment: Not allow.

Item 4: Different kitchens from various eating outlets/restaurant sharing kitchen exhaust duct - all kitchen are protected with the fire suppression system (building is protected with sprinkler system)

Comment: As discussed, FSSD may allow the sharing of the kitchen exhaust duct provided the sharing restaurants' total floor area is not more than 200 square meter. The exhaust duct running outside the these restaurant shall be fire rated up to the exterior open space.

SINGAPORE CIVIL DEFENCE FORCE

HQ SINGAPORE CIVIL DEFENCE FORCE
91 Ubi Avenue 4 Singapore 408827
Website: http//:www.scdf.gov.sg

Please quote our ref. no. in all future correspondences

RS404

SUB2008056311

CONSULTATION

Your Ref :
Our Ref : CON/C0004787/08
Date : 29-JUL-2008

DID: **68481448**
FAX **68481490**

ARCHITECTS 61 PTE LTD
150,BEACH ROAD
#23-01
SINGAPORE 189720

Attn: LOW SIEW WOON

Dear Sir/Madam,

PROPOSED A/A & RECONSTRUCTION OF EXT'G CONCOURSE SHOPS/APTS TO 4/7 STY PODIUM CARPARK/APTS, 1ST STY COMMERCIAL, 2 BLKS 20/28 & 34/40 STY RESI FLATS (360 UNITS) WITH COMMUNAL FACILITIES ON LOTS 1040T & 1043N TS 13 AT 298/300 BEACH RD (KALLANG PLANNING

Thank you for seeking our consultation. Attached are the records of consultation made on 29-JUL-2008.

Yours faithfully,

VIJAYARATNAM
for COMMISSIONER
SINGAPORE CIVIL DEFENCE FORCE

(This is a computer print out. No signature is required)

architects61
MN JC TLS
04 AUG 2008
RECEIVED
replied: by: ref:

SW 4/8

SW - please follow up with Alpha..

SW 4/8

SINGAPORE CIVIL DEFENCE FORCE

HQ SINGAPORE CIVIL DEFENCE FORCE
91 Ubi Avenue 4 Singapore 408827
Website: http//:www.scdf.gov.sg

Please quote our ref. no. in all future correspondences

Ref No : CON/C0004787/08

PROPOSAL: PROPOSED A/A & RECONSTRUCTION OF EXT'G CONCOURSE SHOPS/APTS TO 4/7 STY PODIUM CARPARK/APTS, 1ST STY COMMERCIAL, 2 BLKS 20/28 & 34/40 STY RESI FLATS (360 UNITS) WITH COMMUNAL FACILITIES ON LOTS 1040T & 1043N TS 13 AT 298/300 BEACH RD (KALLANG PLANNING

RECORD OF CONSULTATION

Item 1: Podium carpark to be provided with 'Jet Fan' system in-lieu of engineered smoke control system.

Comment: Okay, please engage a FSE to do the FEDB and FER.

ALPHA
23 OCT 2009
FAX RECEIVED

SUB2009072900

CONSULTATION

Your Ref :
Our Ref : CON/C0006885/09
Date : 22-OCT-2009

DID: 68481414
FAX 68481490

ALPHA CONSULTING ENGINEERS PTE. LTD
2,ALEXANDRA ROAD
#03-03
SINGAPORE 159919

Attn: CHOONG CHOON GUAN

Dear Sir/Madam,

PROPOSED A/A & RECONSTRUCTION OF EXTG CONCOURSE SHOPS/APTS TO 4/7 STY PODIUM CARPARK/APTS, 1ST STY COMMERCIAL, 2 BLKS 20/28 & 34/40 STY RESI FLATS (360 UNITS) WITH COMMUNAL FACILITIES ON LOTS 1040T & 1043N TS 13 AT 298/300 BEACH RD (KALLANG PLANNING

Thank you for seeking our consultation. Attached are the records of consultation made on 21-OCT-2009.

Yours faithfully,

TAN CHIEW SIA
for COMMISSIONER
SINGAPORE CIVIL DEFENCE FORCE

(This is a computer print out. No signature is required)

Ref No : CON/C0006885/09

PROPOSAL: PROPOSED A/A & RECONSTRUCTION OF EXTG CONCOURSE SHOPS/APTS TO 4/7 STY PODIUM CARPARK/APTS, 1ST STY COMMERCIAL, 2 BLKS 20/28 & 34/40 STY RESI FLATS (360 UNITS) WITH COMMUNAL FACILITIES ON LOTS 1040T & 1043N TS 13 AT 298/300 BEACH RD (KALLANG PLANNING

RECORD OF CONSULTATION

Item 1: Fire rating of smoke stop lobby system
Smoke Stop Lobby MV fans at the open roof are located under the domestic water tanks. Will these be still considered as outdoor space and the fans and duct need not be fire rated?

Comment: It can be considered as an outdoor space and it shall remain unenclosed at all time.

Item 2: MV system for smoke stop lobby
Both the Fire Fighting Lobby TA1 and Smoke Stop Lobby TA2 are shared by a common mechanical ventilation system as shown in the attached Sketch 1. This occurs at Tower 1 (21st to 29th storey) and Tower 2 (36th to 40th storey). Is fire rating required for the duct running through the Smoke Stop Lobby TB2?

Comment: The 2 lobbies shall not share the same common duct.

Item 3: Manual call point for activation of emergency ventilation system
Can manual call point only be provided to activate the emergency ventilation system as per circular CD/FSSD/12/01/04/04/02 dated 18 September 2009?

Comment: Yes, it's permitted.

Item 4: Smoke purging system for aboveground car park
Is smoke purging system required for the aboveground car park if the 2.5% openings can be provided as shown in Sketch 2?

Comment: A reduce mechanical ventilation system in the form of fume extract system shall be provided.Please refer to clause 6.1.7 of CP 13:1999 for reference.

ALPHA
16 JUL 2007
FAX RECEIVED

SUB2007045955

CONSULTATION

Your Ref :
Our Ref : CON/C0003675/07
Date : 14-JUL-2007

DID: 68481414
FAX 68481490

ALPHA CONSULTING ENGINEERS PTE LTD
2,ALEXANDRA ROAD
#03-03
SINGAPORE 159919

Attn: MR CHUAN KIAN HENG

Dear Sir/Madam,

PROPOSED A & A AND RECONSTRUCTION OF THE EXISTING CONCOURSE SHOP/APARTMENTS TO 1ST STOREY COMMERCIAL, 4 BLKS RESIDENTIAL FLATS AT BEACH ROAD

Thank you for seeking our consultation. Attached are the records of consultation made on 10-JUL-2007.

Yours faithfully,

TAN CHIEW SIA
for COMMISSIONER
SINGAPORE CIVIL DEFENCE FORCE

(This is a computer print out. No signature is required)

Ref No : CON/C0003675/07

PROPOSAL: PROPOSED A & A AND RECONSTRUCTION OF THE EXISTING CONCOURSE SHOP/APARTMENTS TO 1ST STOREY COMMERCIAL, 4 BLKS RESIDENTIAL FLATS AT BEACH ROAD

RECORD OF CONSULTATION

Item 1: The existing B1/B2 carpark will be separated into two carpark ,one for commercial and one for residential with full height partition.Could the ductless MV system be retain and modified to suit the new carpark layout.

Comment: Ductless MV fan system for carpark shall be submitted under performance based.

ALPHA
14 JAN 2009
FAX RECEIVED

SUB2009002754

CONSULTATION

Your Ref :
Our Ref : CON/C0000181/09
Date : 13-JAN-2009

DID: 68481410
FAX 68481490

ALPHA CONSULTING ENGINEERS PTE LTD
2,ALEXANDRA ROAD
#03-03
SINGAPORE 159919

Attn: CHOONG CHOON GUAN

Dear Sir/Madam,

RESIDENTIAL DEVELOPMENT AT CONCOURSE BEACH ROAD

Thank you for seeking our consultation. Attached are the records of consultation made on 13-JAN-2009.

Yours faithfully,

TAN CHUNG YEE
for COMMISSIONER
SINGAPORE CIVIL DEFENCE FORCE

(This is a computer print out. No signature is required)

Ref No : CON/C0000181/09

PROPOSAL: RESIDENTIAL DEVELOPMENT AT CONCOURSE BEACH ROAD

RECORD OF CONSULTATION

Item 1: Breeching inlet is provided at one location to serve the wet riser stacks serving the 2 residential tower 1 & 2. Is this acceptable.

Comment: No objection provided all other Fire Safety requirements are fully complied with.

8.5 List of Applicable Quality System Procedures

Alpha Consulting Engineers Pte Ltd's Quality Management System Procedures

Section	Title	✓ where applicable
M1	Preparation of Consultancy Offer	✓
M2	Project Commissioning and Service Agreement	✓
M3	Design Control	✓
M4	Design Change Control	✓
M5	Tender Process and Evaluation	✓
M6	Authority Submission	✓
M7	Construction Process Control	✓
M8	Testing and Commissioning	✓
S1	Document Control	✓
S2	Documentation of Quality & Environmental Management System Procedure	✓
S3	Documentation of Project Quality Plan	✓
S4	Specification Control	✓
S5	Library Control	✓
S6	Archive Control	✓
S7	Filing Control	✓
S8	Drawing Control	✓
S9	Administration Control	✓
S10	Purchasing Control	✓
S11	Training Control	✓
S12	Computer Control	✓
QE1	Quality & Environmental System Audit	✓
QE2	Feedback Reporting	✓
QE3	Clients Feedback	✓
QE4	Management Review	✓

8.6 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	
Elevate	7.18	Peters Research Ltd	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 Consulting Engineers Pte Ltd	Calculation of voltage drop and fault level	

(✓*where applicable*)

SECTION 9

ENVIRONMENTAL CONSIDERATIONS

9.1 Sustainable Design Features / Criteria

Item	Remarks
Green Mark criteria	NA
Green Design Features	NA

9.2 Site PPE Requirement

The necessary Personal Protective Equipment (detailed below) shall be provided by the main contractor / Company in accordance to the site EHS requirements prior to the site monitoring.

PPE	✓ where applicable
Safety Helmet	✓
Safety Shoes	✓
Eye Protection	✓
Ear Protection	✓
Safety Harness / Belt	✓
Others:	-

9.3 Site Emergency Preparedness

Site staff shall comply with the site emergency preparedness and response procedure, established by the main contractor / owner, which shall include the following details.

Items	✓ where applicable
Evacuation Route	✓
Emergency Exit	✓
Assembly Point	✓
Emergency Contact List / Person	✓
Alarm system / methods	✓

SECTION 9

ENVIRONMENTAL CONSIDERATIONS

9.4 Reporting of Environmental Non-conformances

When encountering environmental non-conformances, Site Staff shall be responsible to feedback to the main contractor.

9.5 List of Applicable Environmental management system Procedures

Alpha Consulting Engineers Pte Ltd's Environmental Management System Procedures

Section	Title	✓ where applicable
E1	Aspect / Impact Identification, Risk Assessment & Risk Control	✓ (by Main Contractor)
E2	Identifying Legal & Other Requirements	
E3	Objectives, Targets & Programmes	
E4	Communication	
E5	Emergency Preparedness & Response	
E6	Monitoring & Measurement	
E7	Control of Air & Noise Pollution	
E8	Management of Wastes	

SECTION 10

CLIENT'S REQUIREMENTS

10.1 List of Output Required by Client:-

Item	* Remarks
M&E Design Report	A
M&E Cost Estimate Report	A
Pre-Qualification of Tenderers	A
Tender Documents	A
Tender Report	A
Payment Valuation for QS	-
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.

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

- Template for Engineer's Instruction and Engineer's Direction
- Communication Flow Chart
- RFI Form
- Request for Approval of Variation

ENGINEER'S INSTRUCTION

No.:

Date:

Project: Proposed Concourse Skyline Residential cum Retail Development at Beach Road
Main Contract for <Substructure / Superstructure> Works

Contractor: Maincon (Building) Pte Ltd
300 Beach Road #41-00
The Concourse
Singapore 199555

Attention of Mr Lok Nam Moon

Cost claim for the work described below is required within 14 days
- ☑ Yes
- ☑ Variation will be measured by Quantity Surveyor

Work to proceed
- ☑ Immediately
- ☐ After costs have been agreed

In accordance with Clauses 1(1), 1(2) & 1(4) of the Conditions of Contract, I hereby issue the following Instruction/s

ALPHA CONSULTING ENGINEERS PTE LTD

I/We acknowledge receipt of this Instruction as detailed above and return an acknowledged copy of this Order via fax.

Maincon (Building) Pte Ltd Date

The Contractor is to note that unless otherwise stated in the Instruction any claims for extension of time due to this Instruction must be made in accordance with Clause 23(2) of the Conditions of Contract.

c.c. HFL/A61/SA&P/RLB/RTO(M&E)

Alpha
Consulting Engineers Pte Ltd

ENGINEER'S DIRECTION

No:

Date:

Project: Proposed Concourse Skyline Residential cum Retail Development at Beach Road
Main Contract for <Substructure / Superstructure> Works

Contractor: Maincon (Building) Pte Ltd
300 Beach Road #41-00
The Concourse
Singapore 199555

Attention of Mr Lok Nam Moon

In accordance with Clauses 1(1), 1(2) and 1(3) of the Conditions of Contract, I hereby issue the following Direction/s.

Note:

In accordance with Clause 1(5) of the Conditions of Contract, you are to notify this office in writing within 28 days if you consider any Direction/s so indicated above constitute an Instruction.

ALPHA CONSULTING ENGINEERS PTE LTD

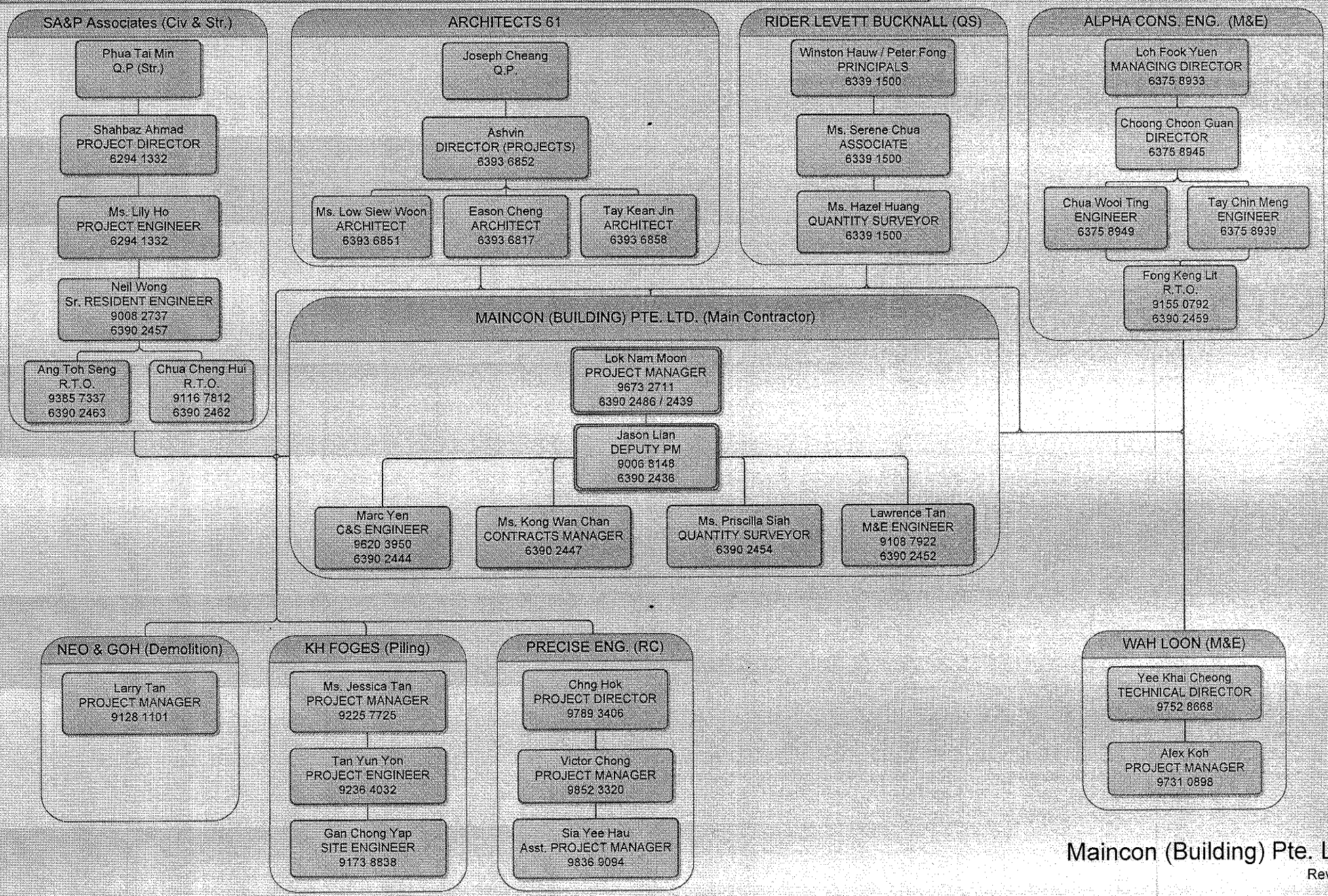
I/We acknowledge receipt of this Direction as detailed above and return via fax copy of this Order.

Maincon (Building) Pte Ltd Date

c.c. HFL/ A61/ SA&P/ RLB/ RTO(M&E)

Wednesday, March 17, 2010

The Concourse Skyline – Communication Flow Chart for Sub-Structure Works



Maincon (Building) Pte. Ltd.

Rev. 4.1

The Concourse Skyline - NSC/DSC Contact List (Updated as of 27 March 2013)

No.	Company	Item of Work	Contact Person	Contact Information			
				Tel	Fax	HP	Email
A	**NSC ITEMS**						
* P2	Neo & Goh Construction Pte Ltd	Demolition Works	Goh Gim Chuan	6743 2338	6743 2337	9752 8375	gim@neogohconst.com.sg
* P2	KH Foges Pte Ltd	Piling Works	Tan Yun Yon	670 5850	670 5857	9236 4032	tan_yy@khfoges.com.sg
1	Precise Dev. Pte ltd	RC & Steel Works	Dan Yeo	6578 6600	6862 2673	9321 8639	danyeo@precise.sg
2	Wah Loon Electrical Engineeering Pte Ltd	M&E Works	Pkumar	6743 3773	6741 3773	8233 6066	pkumar@wahloon.com.sg
			Peck	6743 3773	6741 3773	9181 4212	peckce@wahloon.com.sg
3	Yuanda Aluminum Industry Engineering (S) Pte Ltd	Aluminum & Glazing Works	Krishnan Kathiresan	6275 7818	6275 7819	9090 0383	krishnan.kathiresan@yuanda.com.sg
4	Chevalier (S) Holdings Pte Ltd	Supply & Installation of Lift	Chan Keng Whatt	6273 2266	6747 2988	9273 3830	chankw@chevalier.com.sg
			Menon			9710 1197	
5	Sinbor	Stone	Sophia Chong	6257 3384	6257 9497	9732 1678	sophia_chong@sinbor.com
6	Builders Shop	Tiles	B. M. Mamin	6603 0000	6546 1274	9786 6030	mamin@buildersshop.com.sg
7	Polygan Design Pte Ltd	Metal Doors	Lee P. S.	6368 1678	6367 8193	9692 0927	
			Edgar Tan			9115 2835	edgar@polygandesign.com.sg
8	Decolines Construction Pte Ltd	Timber, Glass and Aluminum Doors	Alvin Low	6289 1536	6289 7152	9389 7771	decolines@pacific.net.sg
9	BJ Development Pte Ltd	Ironmongery	Eugene Tan	6841 5954	6748 0781	9237 5046	eugenetan@bjdevel.com.sg
10	Landscape Engineering	Bubble Tanks	Maha Devan	6883 2216	6883 2316	9650 2344	landscape@singnet.com.sg
11	Venus Enterprises Pte Ltd	Swimming Pools & Water Features	Mr. Noel Choo	6272 9185	6272 1091	9672 4420	noelchoo@venus.com.sg
			Don Wong			9236 8609	donwong@venus.com.sg
12	DHdeco Pte Ltd	Supply & installation of Kitchen & Vanity Cabinets	David Chew	6472 6600	6365 7010	9297 1008	david@dhdeco.com
			Gilbert Tan			9839 6557	gilbert@dhdeco.com
13	Pacific Technical Products Pte Ltd	Supply of Special Lightighting	C.Y Fun	6288 3800	6287 7882	9819 5768	ptp@ptp.com.sg
14	Tractel Singapore Pte Ltd	Façade Maintenance Equipment	Jack An	6757 3113 ext 836	6757 3003		jack_an@tractelsingapore.com
15	Eco Garden Pte Ltd	Landscaping	Nicolas Nga	6766 5535	6769 8769	8383 1123	nicolas@hplcon.com.sg
16		Signage & Graphic Works					

The Concourse Skyline - NSC/DSC Contact List (Updated as of 27 March 2013)

No.	Company	Item of Work	Contact Person	Contact Information			
				Tel	Fax	HP	Email
B	**DSC ITEMS**						
B.1	**Nominated Suppliers**						
1	Bath World	Supply & Delivery of Sanitary Fittings and Accessories	Paul Chay	6355 0055 / 6255 1311	6255 1411	8200 1392	paul@bathworld.net
2	Brandt Asia	Supply and Delivery of Kitchen Appliances	Claudia Thia	6508 4610	6476 4188	6508 4610	Thia.Claudia@fagorbrandt.com
3	Ferrara	Supply of Sanitary Wares	Stephen Koh	6235 0020	6235 8344	9787 9844	stephen.koh@ferrara.com.sg
B.2	**Domestic Sub-Contractors**						
1	Yong Tai Loong	Blast Doors & Refuse Chute Hopper	Jessica Mok	6288 0355	6287 9396	9144 4408	jessicamok@yongtailoong.com
2	Primestructures	Metal Works	N. Sukumaran	6454 0822	6454 0877	9853 2120	maran@primestructures.com.sg
			Bobby Payo			9757 7191	bobby@primestructures.com.sg
3	Great Harvest	Brickworks, Plastering & Screeding	Jackal kei	6222 9620	6222 6097	8427 3965	jackalkei@ghg.com.hk
			Cheryl Tan				cheryltcc@yahoo.com.sg
			Davis			9228 80757	davis.tan@ghg.com.sg
4	Sea Master Paint (S) Pte Ltd	Painting Works	Francis Lee	6265 1118	6265 4142	9797 5282	francislee@seamaster.com.sg
			Asaduzzaman(New Tokyo)			9362 5315	
5	Uni-Crane Pte Ltd	Passenger Hoist	Desmond Tan	6861 2221	6292 8218	9617 5551	des.unicrane@gmail.com
							unicrane@gmail.com
6	Glenteq International Pte Ltd	Waterproofing works	Bryan Chiang	6894 9909	6842 4161	9115 2991	bryan@glenteq.com
			San Lwin Htoo			8322 5557	lwinhtoo@glenteq.com
7	Jason Parquet Specialist (S) Pte Ltd	Internal Timber Flooring Works	Elliano Tay	6783 2727	6782 2727	9322 2323	elliano@jasonparquet.com
8	ACU (1955) Contract Pte Ltd	Drywall Partition and False Ceiling Works	Ang Boon Chuan	6743 0523	6747 5769	9220 3413	aboonc@yahoo.com.sg
			Victor			9616 7396	
9	Slide & Hide Systen (S) Pte Ltd	Slidehide System	Alex Ng B. T.	6484 0166	6484 0136	9100 7333	proj@slidehide.com.sg
10	Cheng Fong Enterprises (S) Pte Ltd	External Composite Timber Decking Works	Leon Khong	6891 6891	6891 6916	9686 1508	sales.chengfong@gmail.com
11	Dorma Far East Pte Ltd	Glass Works (Shower screens)	Christopher Tan	6268 7633	6265 7995	9788 3811	christopher.tan@dorma.com
12	Hanghong Contractors Pte Ltd	Floor Access Hatch & Column Guards	Daniel Kee	6269 3703	6269 3705	9743 3181	daniel.kee@hanghong.com.sg
13	SM Systems Pte Ltd	Car park Painting Works	Ho Puey Chua	6354 3303	6356 3303	9683 8088	hopc@smsystems.com.sg
14	AP Concept & Services	Aluminum Ceiling Works	Tan Boon Thai	6222 2138	6222 2618	9011 9237	bt.tan@live.com.sg
15	K.A. Building Construction Pte Ltd	Fire Stopping	Gregory Ng	6747 1747	6747 3196	9022 4986	gregory@ka.com.sg
16	Decolines Construction Pte Ltd	Mirrors, Glass & Timber Wall Panel Works	Laree Lim	6289 1536	6289 7152	9634 398	decoline_larry@yahoo.com.sg
17	A1 Stainless Steel Industries Pte Ltd	Stainless Steel Works	Conroy Tan	6288 9920	6280 6377	9001 0866	conroy@a1ss.com
18	BC & B Enterprise Pte Ltd	Steam Generator & Steamroom Fit out	William Boey	6260 7227	6789 7227	9738 7227	bcbent1@gmail.com
19	Flexon Ind Pte Ltd	Letter Boxes	Mathew Yong	6861 3188	6861 0833	9828 6848	flexon_ind@yahoo.com.sg
20		Anti Termite Works					
21		Carpet Floor Finishes					
21		Phenolic Partition to Changing Rooms					

MAINCON (BUILDING) PTE. LTD.

RFI FORM

Form F001

Request For Information (RFI)

Project Title: _____

RFI Number: **Arch / Str / M&E / Gen ***	Issued to:	Date:
Prepared by:	Attention:	Pages Attached:
	cc:	Reply Required by:
Checked by:	**Subject:**	
	Dwg / Doc ref:	

RFI Status: ☐ New ☐ Outstanding ☐ URGENT

Item	Description

Consultant's Reply: ☐ Clarification Only ☐ Architect's Direction / Instruction to follow

Item	Description

Consultant's Reply cc'd to: ☐ HFL ☐ A61 ☐ SA&P ☐ Alpha ☐ RLB

Consultant's Signature: _____ Date: _____

REQUEST FOR APPROVAL OF VARIATION			
PART A : Contract Title Proposed Concourse Skyline Residential cum Retail Development at Beach Road - Main Contract for <Substructure / Superstructure> Works			Variation Form no. RFAV(M&E)-xx Date of Submission:
Employer: Hong Fok Land Ltd			
Contractor: Maincon (Building) Pte Ltd	Original Date of Completion:	Expected Date of Completion:	Awarded Contract Sum:
Approved Contingency Sum:	Variations Approved to-date:	Variation Sum Required:	Balance of Contingency:
PART B: Approval is sought for the following variation			
Description: 1. Details of variation			
2. Cost Estimate * Nett Addition / Nett Omission	Approximate Cost SGD_____		
3. Time Implication * Yes / No. If yes, _____ days			
Reasons:			
PART C: Requested by: ☐ A61 ☐ SA&P ☐ ACEPL ☐ STX			
Remarks (if any): Name and Signature of Project Consultant / Date			
PART D: The request for variation is * approved / not approved by Hong Fok Land Ltd			
  Name and Signature of Approving Personnel / Date			

Original: ☒ HFL

Distribution: ☒ A61 ☐ SA&P ☐ ACEPL ☒ RLB ☐ STX

* Delete accordingly

SECTION 11

LIST OF SUB-JOB

11.1 List of Sub-Job Numbers

Sub Job No	Description	Allocation Details
6056-601	Upgrading of Toilet Exhaust System for Concourse Office Tower	
6056-602	Concourse Skyline – Revised Design to Podium Apartment Units due to Increase in Floor-to-Floor Height	