Alpha
Consulting Engineers Pte Ltd

PROJECT QUALITY PLAN

AEI WORKS AT TANGLIN MALL

For

CUSCADEN PROPERTIES PTE LTD

Copy No.	1

Prepared By: Chuan Kian Heng/Steven Cao Yang

Authorised By: Goh Soon Huat

Date: 15 November 2021

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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	6285-PQP	15 November 2021

1.2 Revision Record

Revision	Date of Issue	Section Reference	Page(s)	Remarks
0	23 April 2021	1 to 11	29	+ 2 pages (Section 4.1- Overall Programme)
1	15 November 2021	1 to 11	29	+ 24 pages (Section 4.1- Overall Programme)

SECTION 2

PROJECT INFORMATION

2.1 Project Description

Type of Development	Commercial –Retail

Statistics of Development	
Site Area, m²	13,776.90
Nett Floor Area, m²	-
Gross Floor Area, m²	50,630.107
Covered Carpark, m²	-
No. of Covered Carpark Lots	502
No. of Apartments/Houses	NA
No. of Beds (for Hospitals)	NA
No. of Guestroom (for Hotels)	NA
No. of Blocks / No. of Storeys	1 Block/4-Storey
Green Mark Category	-
No. of Phases	3

2.2 Project Cost

M&E Services Cost Plan (S$ x 1M)										
Services	EI	ACVI	LEI	FFAI	PSI	SPFI				
Estimate	2.17	4.87	0.7	0.33	0.9	-				
Awarded	2.34	4.06	0.683	0.384	0.964	-				

Total Project Construction Cost (S$ x1M)			
	Site Clearance	Piling Works	Main Contract
Estimate	-	-	20
Awarded	-	-	24.98

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.	✓					WASTEWATER TREATMENT			
FLUSHFLOOR TRUNKING									

(✓*where applicable*)

2.3.3 Submission to Relevant Authorities by Others

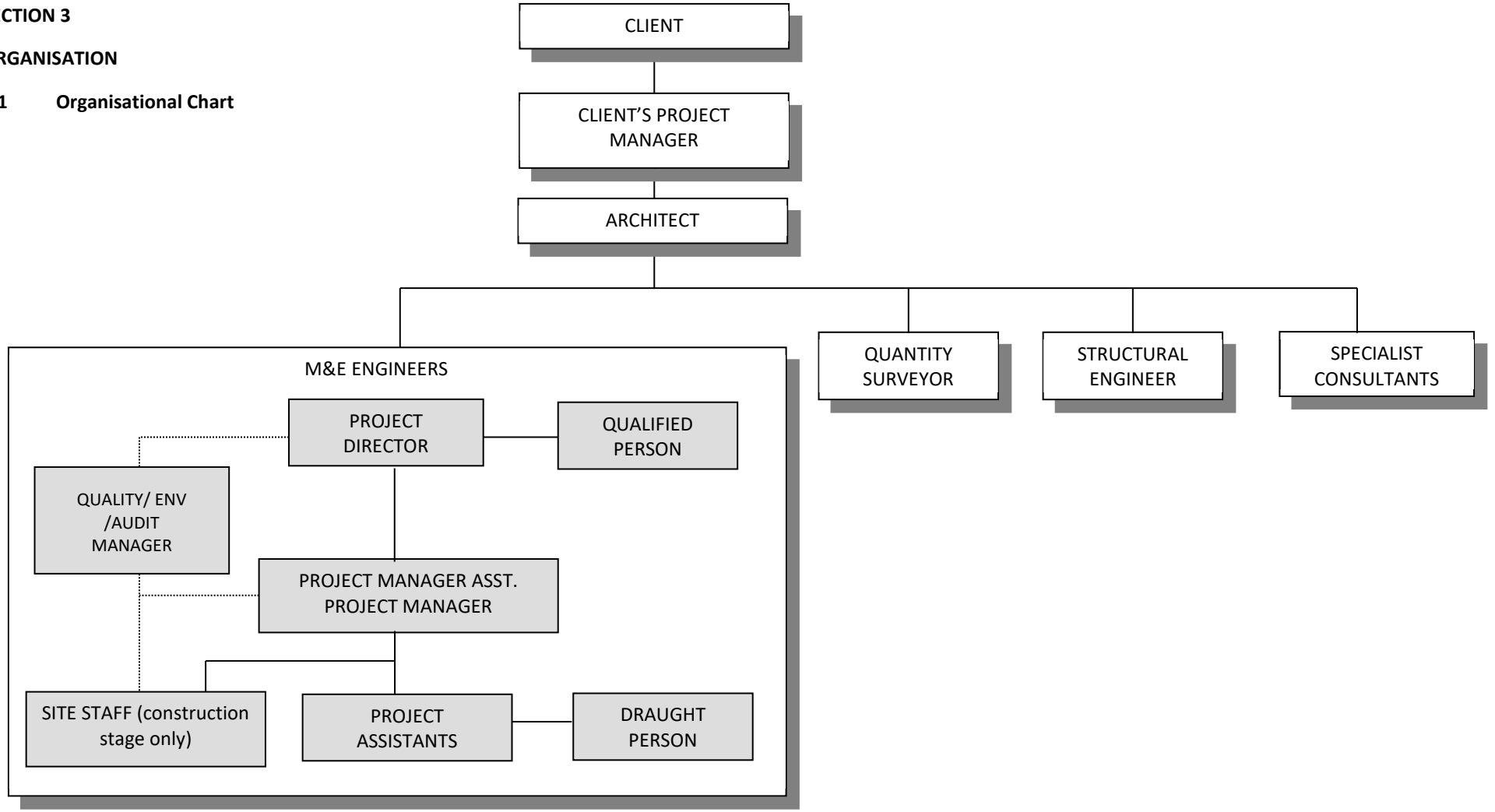
EJECTOR & DIVERTER		SUMP PUMP		FUEL OIL TANK		LIFT & ESCALATOR	✓	PRESSURE VESSEL		HOISTS		FOAM	

(✓*where applicable*)

SECTION 3

ORGANISATION

3.1 Organisational Chart



SECTION 3

ORGANISATION

3.2 ACEPL's Project Team Member

TITLE		NAME
Project Director		Goh Soon Huat (GSH)
Qualified Person	Mechanical	Choong Choon Guan (CCG)
	Electrical	Loh Fook Yuen (LFY)
Project Manager		Chuan Kian Heng (CKH)
Assistant Project Manager		Steven Cao Yang(SCY)
Project Assistant (Mech)		-
Project Assistant (Elect)		-
Draughtsperson		Common Pool
Resident Engineer (M&E)		-
Assistant Resident Engineer (M&E)		-
RTO (M&E)		Tony Heng

3.3 Client/Client's Representatives

Client: Cuscaden Properties Pte Ltd

Address: 1 Kim Seng Promenade #07-01, Great World City Singapore 237994

Tel: 6733 2822

Fax: -

Client's Representatives:-

Name of Company	Contact Person	Contact
Cuscaden Properties Pte Ltd	Name: Mr Hong Hua Liang Position: Executive Director	Tel: 6839 3807 Fax: - Handphone: Email: honghl@allgreen.com.sg
Cuscaden Properties Pte Ltd	Name: Ms Cynthia Wong Position: Project Director	Tel: 6733 2822 Fax: Handphone: 8182 2027 Email: cynthiawong@allgreen.com.sg
Cuscaden Properties Pte Ltd	Name: Ms Jean Tan Position: Design Manager	Tel: 6839 3846 Fax: Handphone: Email: jeantan@allgreen.com.sg
Cuscaden Properties Pte Ltd	Name:Ms Alicia Wong Position: Design Manager	Tel: 6733 2822 Fax: Handphone: Email: aliciawong@allgreen.com.sg
Cuscaden Properties Pte Ltd	Name:Mr. Darren Lim Position: Project Manager	Tel: 6733 2822 Fax: Handphone: 9666 5283 Email: darren.lim@allgreen.com.sg

3.4 Other Consultants (Local)

Function / Name of Company	Contact Person	Contact
Architect RSP Architects Planners & Engineers (Pte) Ltd	Name: Mr Joseph Chua Position:	Tel: 6737 7544 Handphone: 8111 0802 Email: joseph_chua@rsp.sg
	Name: Mr Charlie Position:	Tel: 6737 7544 Handphone: 8719 1848 Email: charlie@rsp.sg
	Name: Mr Karen Ho Position:	Tel: 6737 7544 Handphone: 8448 0787 Email: karen_ho@rsp.sg
Quantity Surveyor AECOM Cost Consulting and Project Management (Singapore) Pte. Ltd	Name: Ms Tan Jing Wen Position:	Tel: 6632 3187 Handphone: 8339 9026 Email: jingwen.tan@aecom.com
Structural Engineer RSP Architects Planners & Engineers (Pte) Ltd	Name: Mrs Winnie Kan Yoke Cheng Position:	Tel: 6737 7544 Handphone: Email: winnie_kan@rsp.sg
Interior Designer FARM	Name: Jaclyn Chan Position: Senior Designer	Tel: 63361706 Handphone: 8200 6228 Email: jaclyn@farm.sg
Fire Engineer SHEVS IFT Consultants Pte Ltd	Name: Wong Yin Ying Position: Senior Fire Engineer	Tel: 6812 1399 Handphone: 8379 2982 Email: yinying@shevs-services.com

3.4 Other Consultants (Overseas) – **NOT APPLICABLE**

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	Name: Position:	Tel: Fax: Handphone: Email:
Acoustic Consultant	Name: Position:	Tel: Fax: Handphone: Email:
_____	Name: Position:	Tel: Fax: Handphone: Email:

3.5 Contractors/Sub-Contractors

Function / Name of Company	Contract *	Contact Person	Contact
Main Contractor Gennal Industries Pte Ltd		Name: Justin Ng Position:	Tel: 6508 7178 Handphone: Email: justin@gennal.com
Air Conditioning & Ventilation Installation Sub-Contractor Gennal Industries Pte Ltd	DSC	Name: Danson Ong Position:	Tel: 6508 7178 Handphone: 9388 7798 Email: danson@gennal.com
Plumbing & Sanitary Installation Sub-Contractor Millennium Plumbing & Sanitary Pte Ltd	DSC	Name: Mr. Davin Position:	Tel: 6741 2661 Handphone: 9617 2858 Email: millennium_ps@singnet.com.sg
Electrical Installation Sub-Contractor Express 21 Pte Ltd	DSC	Name: Mr. Martin Position: Director	Tel: 6358 0070 Handphone: 9684 0077 Email: martin@express21.com.sg
Lift & Escalator Installation Sub-Contractor FUJITEC SINGAPORE CORPORATION LTD	NSC	Name: Ken Wong Position:	Tel: 6241 6222 Handphone: Email:
Fire Fighting & Alarm Installation Sub-Contractor Gennal Industries Pte Ltd	DSC	Name: Tan Wei Rong Position: Project Manager	Tel: 6508 7178 Handphone: 9017 7592 Email: weirong@gennal.com
_____		Name: Position:	Tel Fax: Handphone: Email:
_____		Name: Position:	Tel: Fax: Handphone: Email:
_____		Name: Position:	Tel: Fax: Handphone: Email:

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

3.6 Authorities

Authorities/Department	Contact Person	Tel/Fax Nos./E-mail
SP PowerGrid:		
(a) Sub-Station	Mr. Srimurugan	69167013/ SRIMURUGANKRISHNAN@spgroup.com.sg
(b) Diversion		
SP Services:		
(a) Customer Supply		
(b) Installation		
(c) Meter Section		
(d) Road Lighting		
TFCC:		
(a) StarHub		
(b) SingTel		
(c) Netlink Trust		
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		
(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		
(b) Installation/Inspection		
PowerGas Pte Ltd		
(a) Diversion		
NEA (Pollution Control)		
(a) Planning/Submission		
(b) Inspection		

SECTION 4

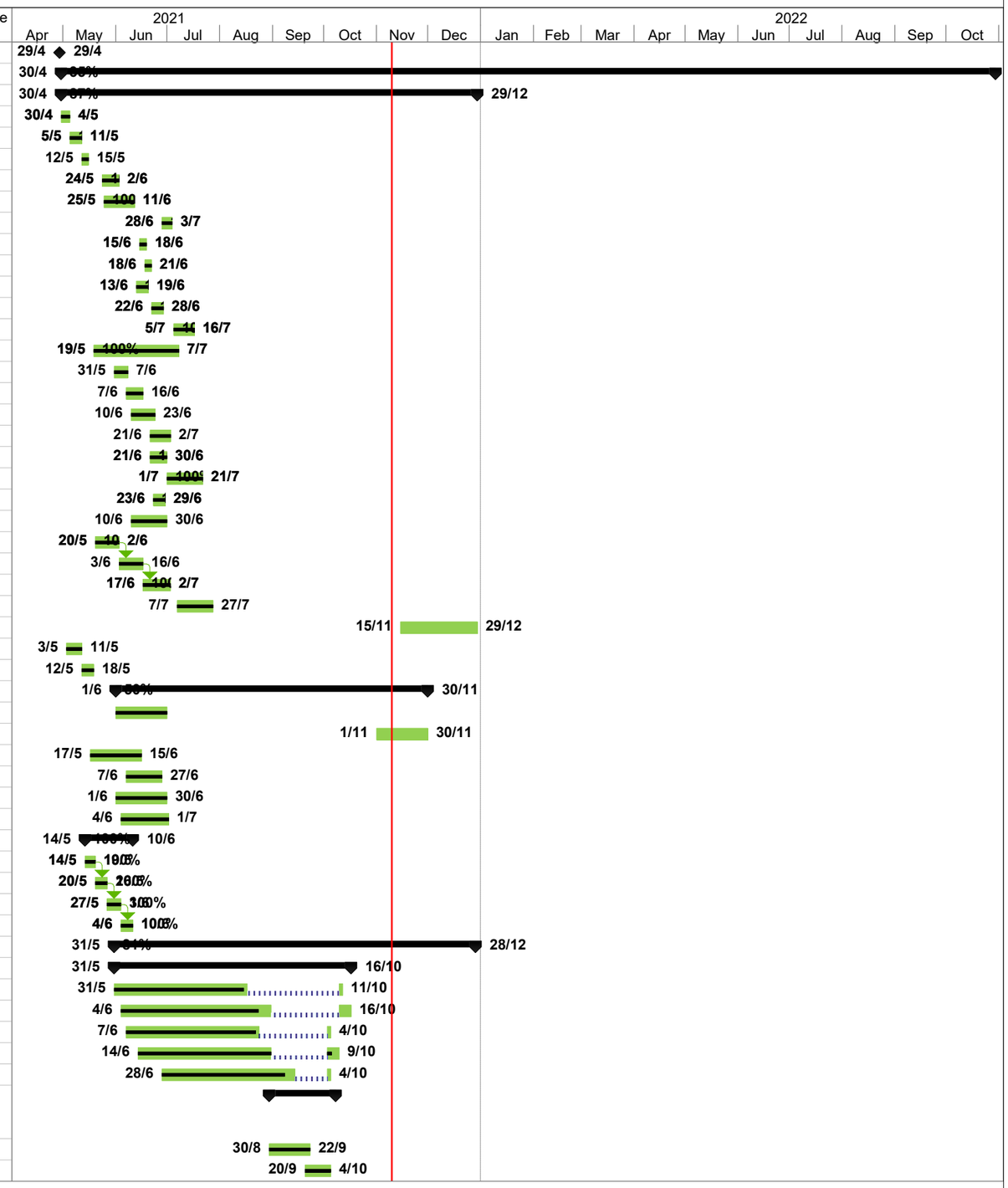
PROGRAMME

4.1 Overall Programme (SEE ATTACHED MASTER PROGRAMME)

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																									

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

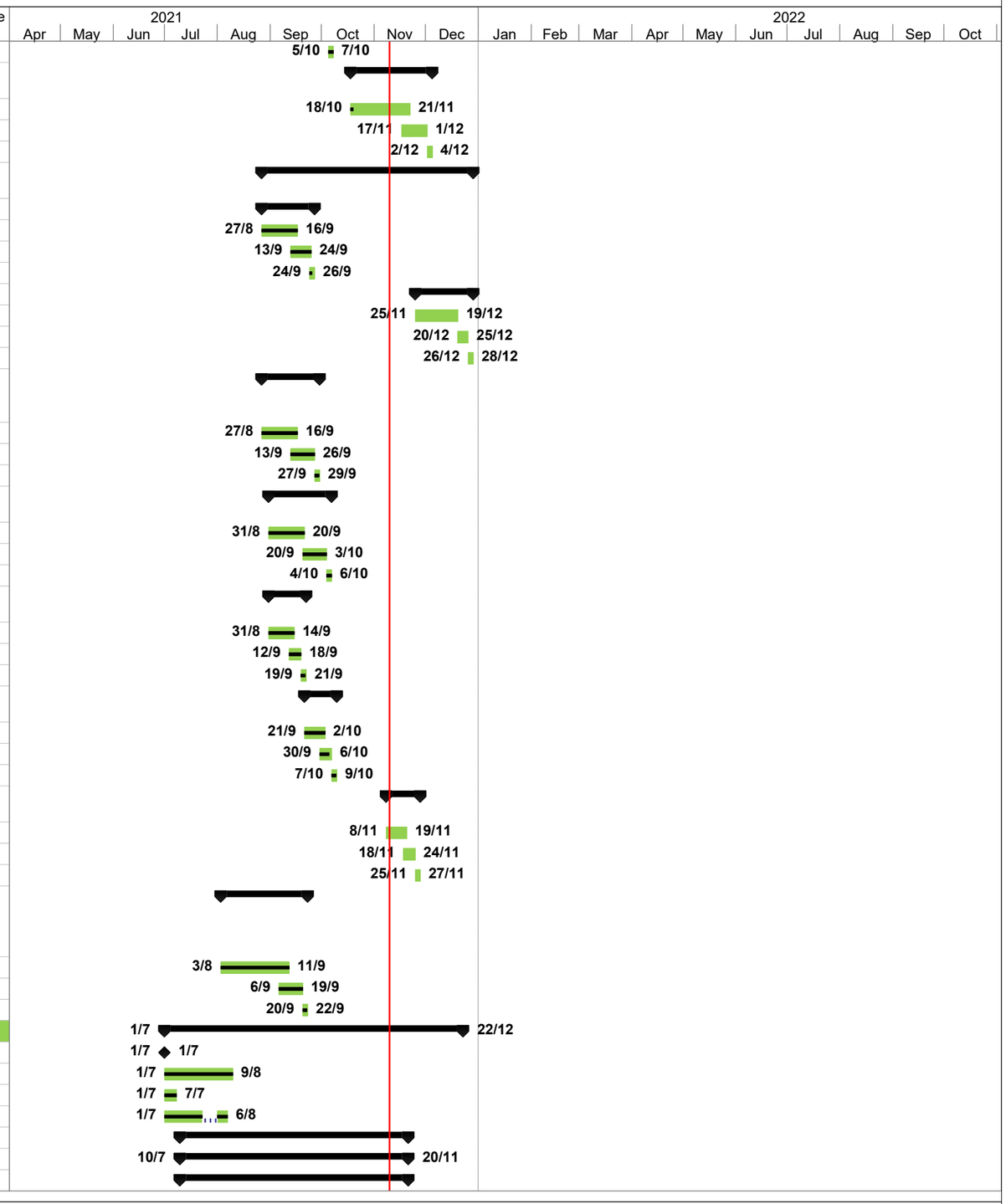
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
1	Letter of Award	0 days	Thu 29/4/21	Thu 29/4/21	0%
2	**Project duration - 1st Jul 2020 - 31st Aug 2022**	**548 days**	**Fri 30/4/21**	**Sat 29/10/22**	**35%**
3	**Site preliminary**	**244 days**	**Fri 30/4/21**	**Wed 29/12/21**	**87%**
4	Site Facilities Submission	5 days	Fri 30/4/21	Tue 4/5/21	100%
5	Site Facility Plan approval	7 days	Wed 5/5/21	Tue 11/5/21	100%
6	Localised Precon Survey	4 days	Wed 12/5/21	Sat 15/5/21	100%
7	Temporary Worker Toilet	10 days	Mon 24/5/21	Wed 2/6/21	100%
8	Site Office Construction	18 days	Tue 25/5/21	Fri 11/6/21	100%
9	Project Signboard	6 days	Mon 28/6/21	Sat 3/7/21	100%
10	Progress claim format submission	4 days	Tue 15/6/21	Fri 18/6/21	100%
11	Progress claim format confirmation	4 days	Fri 18/6/21	Mon 21/6/21	100%
12	Noise meter installation	7 days	Sun 13/6/21	Sat 19/6/21	100%
13	Ambient Noise Monitoring - 7 days	7 days	Tue 22/6/21	Mon 28/6/21	100%
14	Instrumentation Monitoring Device	12 days	Mon 5/7/21	Fri 16/7/21	100%
15	Site Overall Survey (Prior to Phase Takeover)	50 days	Wed 19/5/21	Wed 7/7/21	100%
16	Phase 1 & 3 Hoarding Plan Submission	8 days	Mon 31/5/21	Mon 7/6/21	100%
17	Phase 1 & 3 Hoardin Plan Approval	10 days	Mon 7/6/21	Wed 16/6/21	100%
18	Hoarding Graphic Coordination	14 days	Thu 10/6/21	Wed 23/6/21	100%
19	Hoarding Graphic Printing	12 days	Mon 21/6/21	Fri 2/7/21	100%
20	Precon photo survey - Phase 1 & 3A	10 days	Mon 21/6/21	Wed 30/6/21	100%
21	Precon photo tabulation & submission	21 days	Thu 1/7/21	Wed 21/7/21	100%
22	Site Organisation Chart submission	7 days	Wed 23/6/21	Tue 29/6/21	100%
23	Chiller Plant Enery Audit	21 days	Thu 10/6/21	Wed 30/6/21	100%
24	BCA Structural Permit from Consultants	14 days	Thu 20/5/21	Wed 2/6/21	100%
25	BCA Demolition Permit Submission	14 days	Thu 3/6/21	Wed 16/6/21	100%
26	BCA Demolition Permit Approval	16 days	Thu 17/6/21	Fri 2/7/21	100%
27	Application to City Gas	21 days	Wed 7/7/21	Tue 27/7/21	100%
28	Application to SPPG (By Building LEW)	45 days	Mon 15/11/21	Wed 29/12/21	0%
29	Construction Drawing Issuance from Consultants	9 days	Mon 3/5/21	Tue 11/5/21	100%
30	Construction Drawing Softcopy Issuance from Consultants	7 days	Wed 12/5/21	Tue 18/5/21	100%
31	**Award of Nominated Sub Contractors**	**183 days**	**Tue 1/6/21**	**Tue 30/11/21**	**50%**
32	Signage	30 days	Tue 1/6/21	Wed 30/6/21	100%
33	Playground Equipment (Date Proposed by Client & Consultant)	30 days	Mon 1/11/21	Tue 30/11/21	0%
34	BCA Covid Safe Submission	30 days	Mon 17/5/21	Tue 15/6/21	100%
35	BCA Covid Safe Approval	21 days	Mon 7/6/21	Sun 27/6/21	100%
36	Health check for selected existing M&E system - witness by RTO & CMO	30 days	Tue 1/6/21	Wed 30/6/21	100%
37	Health check for selected existing ESCS system - witness by RTO & CMO	28 days	Fri 4/6/21	Thu 1/7/21	100%
38	**Insurance procurement**	**28 days**	**Fri 14/5/21**	**Thu 10/6/21**	**100%**
39	Insurance draft format submission	6 days	Fri 14/5/21	Wed 19/5/21	100%
40	Insurance draft format approval	7 days	Thu 20/5/21	Wed 26/5/21	100%
41	Insurance procurement	8 days	Thu 27/5/21	Thu 3/6/21	100%
42	Insurance cover note submission	7 days	Fri 4/6/21	Thu 10/6/21	100%
43	**Mock Ups & Prototypes**	**212 days**	**Mon 31/5/21**	**Tue 28/12/21**	**81%**
44	**Shop Drawing & Sample**	**139 days**	**Mon 31/5/21**	**Sat 16/10/21**	**92%**
45	Shop Drawing Submission	80 days	Mon 31/5/21	Mon 11/10/21	95%
46	Shop Drawing Approval	95 days	Fri 4/6/21	Sat 16/10/21	85%
47	Sample Submission	80 days	Mon 7/6/21	Mon 4/10/21	95%
48	Sample Approval	85 days	Mon 14/6/21	Sat 9/10/21	95%
49	Mock Up Material Procurement	80 days	Mon 28/6/21	Mon 4/10/21	90%
50	**L1 Outdoor Walkway Shop front & Grid Ceiling (incl. Glass Shop front, Wall Paint, Fluted Panels & Grid Calcium Silicate Ceiling with M&E Final Fix)**	**39 days**	**Mon 30/8/21**	**Thu 7/10/21**	**100%**
51	Installation	24 days	Mon 30/8/21	Wed 22/9/21	100%
52	Review & Comment	15 days	Mon 20/9/21	Mon 4/10/21	100%



Task
Split
Milestone
Summary
Project Summary
External Tasks
External Milestone
Inactive Milestone
Inactive Summary
Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
External Tasks
External Milestone
Progress
Deadline

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

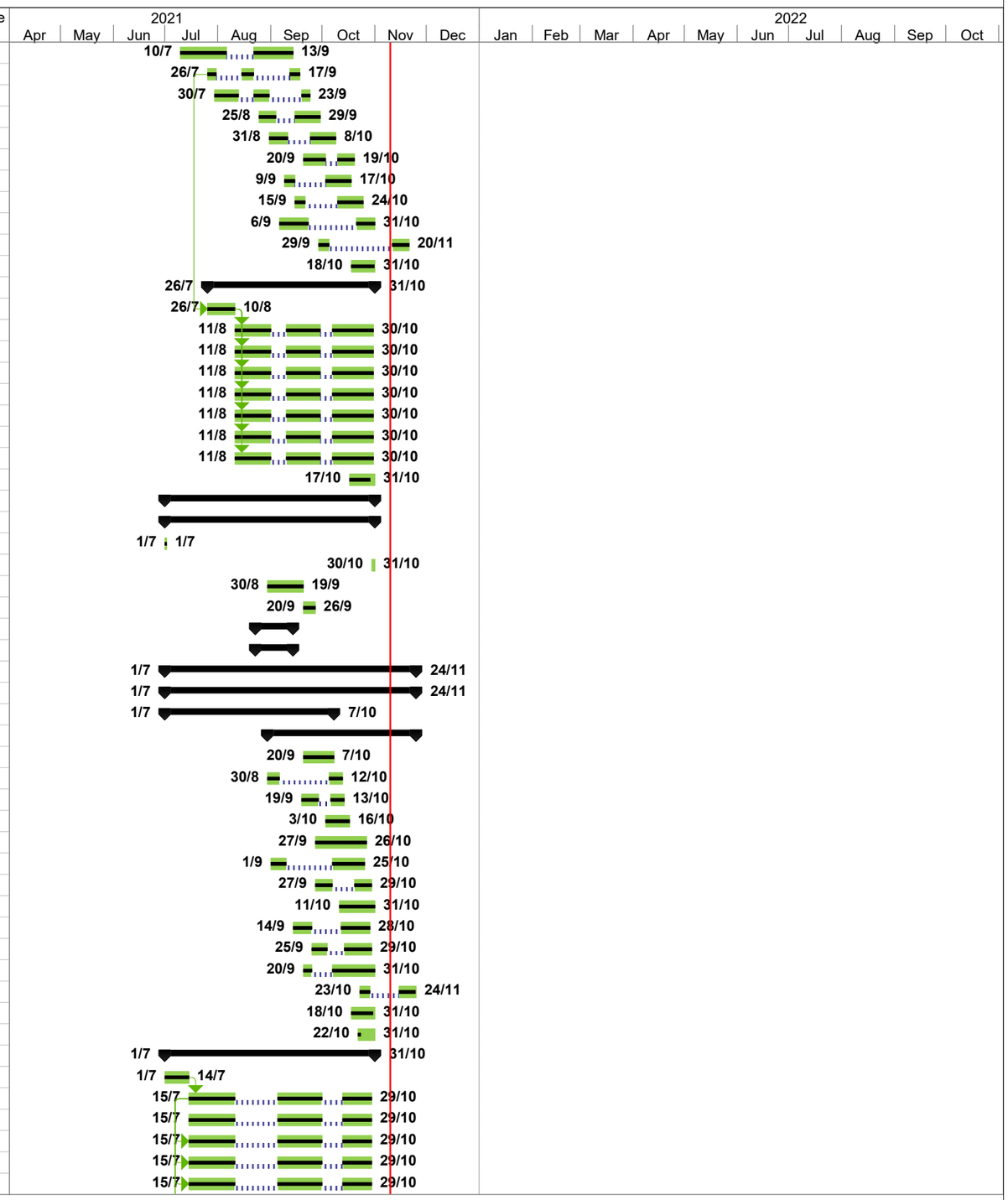
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
53	Approval	3 days	Tue 5/10/21	Thu 7/10/21	100%
54	**L1 External Façade (incl. Column Cladding, Canopy Frame Touch up with New Paint, LED Strip Light & Wall Painting)**	**48 days**	**Mon 18/10/21**	**Sat 4/12/21**	**3%**
55	Installation	35 days	Mon 18/10/21	Sun 21/11/21	5%
56	Review & Comment	15 days	Wed 17/11/21	Wed 1/12/21	0%
57	Approval	3 days	Thu 2/12/21	Sat 4/12/21	0%
58	**L1 Lift Lobby & Lift Car - FL1 (Incl. Floor, Wall, Ceiling & Lift Sign with M&E Final Fix)**	**124 days**	**Fri 27/8/21**	**Tue 28/12/21**	**49%**
59	**L1 Lift Lobby**	**31 days**	**Fri 27/8/21**	**Sun 26/9/21**	**95%**
60	Installation	21 days	Fri 27/8/21	Thu 16/9/21	100%
61	Review & Comment	12 days	Mon 13/9/21	Fri 24/9/21	100%
62	Approval	3 days	Fri 24/9/21	Sun 26/9/21	40%
63	**Lift Car**	**34 days**	**Thu 25/11/21**	**Tue 28/12/21**	**0%**
64	Installation	25 days	Thu 25/11/21	Sun 19/12/21	0%
65	Review & Comment	6 days	Mon 20/12/21	Sat 25/12/21	0%
66	Approval	3 days	Sun 26/12/21	Tue 28/12/21	0%
67	**L1 FOH Corridor @ GL E/10-11 (incl. Floor, Wall, Ceiling Type B1, Railing Make Good, Column Cladding, Void Edge Fascia to Lv 1 Slab Side of Void with M&E Final Fix)**	**34 days**	**Fri 27/8/21**	**Wed 29/9/21**	**98%**
68	Installation	21 days	Fri 27/8/21	Thu 16/9/21	100%
69	Review & Comment	14 days	Mon 13/9/21	Sun 26/9/21	100%
70	Approval	3 days	Mon 27/9/21	Wed 29/9/21	75%
71	**L1 FOH Void Ceiling Type B1 Baffle Ceiling interfacing GL E/10-11 (incl. 6 strips Baffle on Black Painted Soffit and Edge Cove)**	**37 days**	**Tue 31/8/21**	**Wed 6/10/21**	**100%**
72	Installation	21 days	Tue 31/8/21	Mon 20/9/21	100%
73	Review & Comment	14 days	Mon 20/9/21	Sun 3/10/21	100%
74	Approval	3 days	Mon 4/10/21	Wed 6/10/21	100%
75	**L2 FOH Corridor @ GL D-E/11-12A (incl. Floor, Wall, Ceiling Type A1, Demised Pier, Low Glass Partition with M&E Final Fix)**	**22 days**	**Tue 31/8/21**	**Tue 21/9/21**	**97%**
76	Installation	15 days	Tue 31/8/21	Tue 14/9/21	100%
77	Review & Comment	7 days	Sun 12/9/21	Sat 18/9/21	100%
78	Approval	3 days	Sun 19/9/21	Tue 21/9/21	75%
79	**L2 Terrace F&B (incl. Loose/mobile type mock up for Steps, Glass Railing & Planterbox)**	**19 days**	**Tue 21/9/21**	**Sat 9/10/21**	**89%**
80	Installation	12 days	Tue 21/9/21	Sat 2/10/21	100%
81	Review & Comment	7 days	Thu 30/9/21	Wed 6/10/21	75%
82	Approval	3 days	Thu 7/10/21	Sat 9/10/21	75%
83	**L2 Drop Off Terrazzo Accent Floor (incl. loose 1 sqm mock up of Terrazzo with Border and Metal Insert)**	**20 days**	**Mon 8/11/21**	**Sat 27/11/21**	**0%**
84	Installation	12 days	Mon 8/11/21	Fri 19/11/21	0%
85	Review & Comment	7 days	Thu 18/11/21	Wed 24/11/21	0%
86	Approval	3 days	Thu 25/11/21	Sat 27/11/21	0%
87	**L1 Toilet & BOH Corridor (incl. Partial Floor, Wall, Ceiling, Door, 1 Vanity Counter, Mirror with Basin & Accessories, 1 Urinal, 1 WC with 1 Toilet Cubical to Mock up Toilet. Partial Floor, Ceiling & ID Wall to BOH Corridor. Both with M&E Final Fix)**	**51 days**	**Tue 3/8/21**	**Wed 22/9/21**	**99%**
88	Installation	40 days	Tue 3/8/21	Sat 11/9/21	100%
89	Review & Comment	14 days	Mon 6/9/21	Sun 19/9/21	100%
90	Approval	3 days	Mon 20/9/21	Wed 22/9/21	75%
91	**Phase 1**	**175 days**	**Thu 1/7/21**	**Wed 22/12/21**	**89%**
92	Site Possession	0 days	Thu 1/7/21	Thu 1/7/21	100%
93	Authority Submission	40 days	Thu 1/7/21	Mon 9/8/21	100%
94	Precon Survey	7 days	Thu 1/7/21	Wed 7/7/21	100%
95	Hoarding & Graphic Installation	28 days	Thu 1/7/21	Fri 6/8/21	100%
96	**Basement 1 - #B1-107 to 111, #B1-113 to 116**	**134 days**	**Sat 10/7/21**	**Sat 20/11/21**	**99%**
97	**Tenant Area**	**134 days**	**Sat 10/7/21**	**Sat 20/11/21**	**99%**
98	**Architectural**	**134 days**	**Sat 10/7/21**	**Sat 20/11/21**	**99%**



Task	External Tasks	Duration-only	External Tasks
Split	External Milestone	Manual Summary Rollup	External Milestone
Milestone	Inactive Milestone	Manual Summary	Progress
Summary	Inactive Summary	Start-only	Deadline
Project Summary	Manual Task	Finish-only	

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

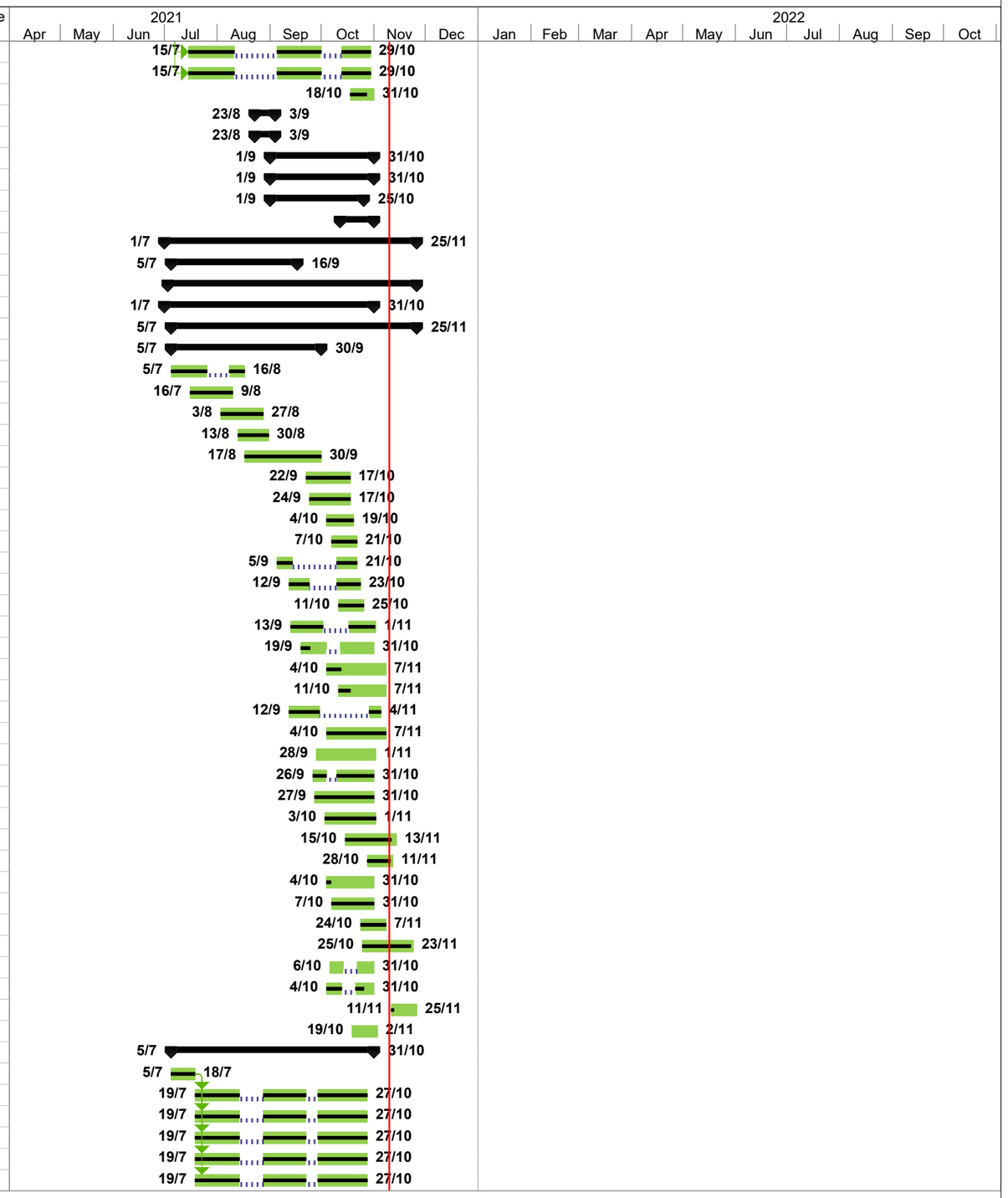
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
99	Demolition	50 days	Sat 10/7/21	Mon 13/9/21	100%
100	Setting out	18 days	Mon 26/7/21	Fri 17/9/21	100%
101	Stiffener & Lintol	28 days	Fri 30/7/21	Thu 23/9/21	100%
102	Block Wall	25 days	Wed 25/8/21	Wed 29/9/21	100%
103	Drywall	26 days	Tue 31/8/21	Fri 8/10/21	100%
104	Security Mesh	23 days	Mon 20/9/21	Tue 19/10/21	100%
105	Plastering	21 days	Thu 9/9/21	Sun 17/10/21	100%
106	Skimcoating	21 days	Wed 15/9/21	Sun 24/10/21	100%
107	Shop Front Bulkhead	28 days	Mon 6/9/21	Sun 31/10/21	100%
108	Painting	16 days	Wed 29/9/21	Sat 20/11/21	100%
109	Demise Pier	14 days	Mon 18/10/21	Sun 31/10/21	95%
110	**M&E**	98 days	Mon 26/7/21	Sun 31/10/21	99%
111	Services Relocation & Removal	16 days	Mon 26/7/21	Tue 10/8/21	100%
112	ACMV Installation	65 days	Wed 11/8/21	Sat 30/10/21	100%
113	ESCS Installation	65 days	Wed 11/8/21	Sat 30/10/21	100%
114	Electrical Installation	65 days	Wed 11/8/21	Sat 30/10/21	100%
115	S&P installation	65 days	Wed 11/8/21	Sat 30/10/21	100%
116	Gas Installation	65 days	Wed 11/8/21	Sat 30/10/21	100%
117	Fire Protection Installation	65 days	Wed 11/8/21	Sat 30/10/21	100%
118	BMS Installation	65 days	Wed 11/8/21	Sat 30/10/21	100%
119	T&C	15 days	Sun 17/10/21	Sun 31/10/21	80%
120	**Basement 1 - #B1-101-104 (Tanglin Market Place)**	**123 days**	**Thu 1/7/21**	**Sun 31/10/21**	**94%**
121	**Live Tenant Area**	**123 days**	**Thu 1/7/21**	**Sun 31/10/21**	**94%**
122	Hoarding	1 day	Thu 1/7/21	Thu 1/7/21	100%
123	Hoarding Removal	2 days	Sat 30/10/21	Sun 31/10/21	0%
124	S&P Installation	21 days	Mon 30/8/21	Sun 19/9/21	100%
125	Make Good Ceiling	7 days	Mon 20/9/21	Sun 26/9/21	100%
126	**Basement 1 - #B1-117 (Home 360)**	**22 days**	**Mon 23/8/21**	**Mon 13/9/21**	**100%**
127	**Live Tenant Area**	**22 days**	**Mon 23/8/21**	**Mon 13/9/21**	**100%**
141	**Level 1 - #01-101 to 109, #01-111 & #01-129-130**	**147 days**	**Thu 1/7/21**	**Wed 24/11/21**	**99%**
142	**Tenant Area**	**147 days**	**Thu 1/7/21**	**Wed 24/11/21**	**99%**
143	**Structure Slab Demolition at Level 2**	**99 days**	**Thu 1/7/21**	**Thu 7/10/21**	**100%**
153	**Architectural**	**87 days**	**Mon 30/8/21**	**Wed 24/11/21**	**96%**
154	Temporary Waterproofing Removal	18 days	Mon 20/9/21	Thu 7/10/21	100%
155	Setting out	15 days	Mon 30/8/21	Tue 12/10/21	100%
156	Stiffener & Lintol	18 days	Sun 19/9/21	Wed 13/10/21	100%
157	Block Wall	14 days	Sun 3/10/21	Sat 16/10/21	100%
158	Glass Shop Front	30 days	Mon 27/9/21	Tue 26/10/21	100%
159	Drywall	28 days	Wed 1/9/21	Mon 25/10/21	100%
160	Security Mesh & Frame	20 days	Mon 27/9/21	Fri 29/10/21	100%
161	Glass Sliding Door	21 days	Mon 11/10/21	Sun 31/10/21	100%
162	Plastering	28 days	Tue 14/9/21	Thu 28/10/21	100%
163	Skimcoating	25 days	Sat 25/9/21	Fri 29/10/21	100%
164	Shop Front Bulkhead	30 days	Mon 20/9/21	Sun 31/10/21	100%
165	Painting	16 days	Sat 23/10/21	Wed 24/11/21	97%
166	Demise Pier	14 days	Mon 18/10/21	Sun 31/10/21	92%
167	Inlay Strip	10 days	Fri 22/10/21	Sun 31/10/21	15%
168	**M&E**	123 days	Thu 1/7/21	Sun 31/10/21	99%
169	Services Relocation & Removal	14 days	Thu 1/7/21	Wed 14/7/21	100%
170	ACMV Installation	70 days	Thu 15/7/21	Fri 29/10/21	100%
171	ESCS Installation	70 days	Thu 15/7/21	Fri 29/10/21	100%
172	Electrical Installation	70 days	Thu 15/7/21	Fri 29/10/21	100%
173	S&P installation	70 days	Thu 15/7/21	Fri 29/10/21	100%
174	Gas Installation	70 days	Thu 15/7/21	Fri 29/10/21	100%



Task
Split
Milestone
Summary
Project Summary
External Tasks
External Milestone
Inactive Milestone
Inactive Summary
Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
External Tasks
External Milestone
Progress
Deadline

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

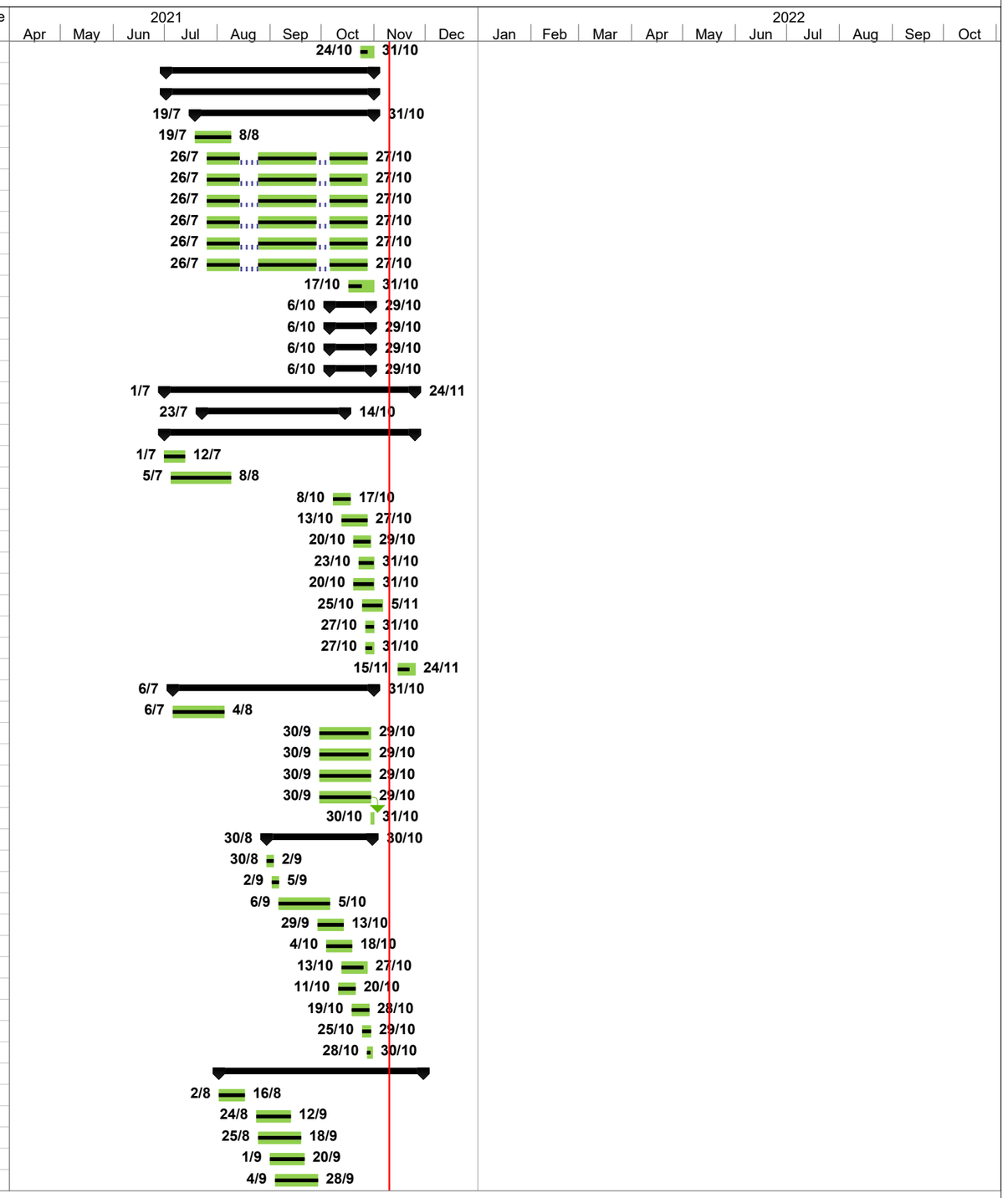
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
175	Fire Protection Installation	70 days	Thu 15/7/21	Fri 29/10/21	100%
176	BMS Installation	70 days	Thu 15/7/21	Fri 29/10/21	100%
177	T&C	14 days	Mon 18/10/21	Sun 31/10/21	70%
178	**Level 1 - #01-110 (Kidz Story)**	**12 days**	**Mon 23/8/21**	**Fri 3/9/21**	**100%**
179	**LIVE Tenant Area**	**12 days**	**Mon 23/8/21**	**Fri 3/9/21**	**100%**
185	**Level 1 - #01-126-128 (Yantra) Part 1**	**61 days**	**Wed 1/9/21**	**Sun 31/10/21**	**100%**
186	**LIVE Tenant Area**	**61 days**	**Wed 1/9/21**	**Sun 31/10/21**	**100%**
187	**Structure Opening at Level 2 Slab**	**55 days**	**Wed 1/9/21**	**Mon 25/10/21**	**100%**
198	**M&E**	**20 days**	**Tue 12/10/21**	**Sun 31/10/21**	**100%**
204	**Level 2 - #02-106 to 118 & Shop Front Corridor**	**148 days**	**Thu 1/7/21**	**Thu 25/11/21**	**92%**
205	**Structure Opening at Roof Level**	**74 days**	**Mon 5/7/21**	**Thu 16/9/21**	**100%**
214	**Architectural**	**146 days**	**Sat 3/7/21**	**Thu 25/11/21**	**100%**
228	**M&E**	**123 days**	**Thu 1/7/21**	**Sun 31/10/21**	**100%**
237	**Level 2 - #02-122 to #02-143**	**144 days**	**Mon 5/7/21**	**Thu 25/11/21**	**84%**
238	**Structure Opening at Roof Level**	**88 days**	**Mon 5/7/21**	**Thu 30/9/21**	**100%**
239	Archi Demolition	30 days	Mon 5/7/21	Mon 16/8/21	100%
240	M&E Services Removal / Relocation	25 days	Fri 16/7/21	Mon 9/8/21	100%
241	Strengthening	25 days	Tue 3/8/21	Fri 27/8/21	100%
242	Propping	18 days	Fri 13/8/21	Mon 30/8/21	100%
243	Structure Demolition for New Staircase & Ramp	45 days	Tue 17/8/21	Thu 30/9/21	100%
244	New Beam & Slab	26 days	Wed 22/9/21	Sun 17/10/21	100%
245	New Structure Ramp	24 days	Fri 24/9/21	Sun 17/10/21	100%
246	New Staircase	16 days	Mon 4/10/21	Tue 19/10/21	100%
247	Vermiculite	15 days	Thu 7/10/21	Thu 21/10/21	100%
248	Brickwork	21 days	Sun 5/9/21	Thu 21/10/21	100%
249	Drywall	26 days	Sun 12/9/21	Sat 23/10/21	100%
250	RWDP Box up	15 days	Mon 11/10/21	Mon 25/10/21	100%
251	Plaster Ceiling	35 days	Mon 13/9/21	Mon 1/11/21	98%
252	Alum Ceiling	35 days	Sun 19/9/21	Sun 31/10/21	15%
253	Solid Oak Wood Coves	35 days	Mon 4/10/21	Sun 7/11/21	25%
254	WPC Extruded Core Panel	28 days	Mon 11/10/21	Sun 7/11/21	25%
255	Plastering	25 days	Sun 12/9/21	Thu 4/11/21	100%
256	Skimcoating	35 days	Mon 4/10/21	Sun 7/11/21	100%
257	Void Edge Existing Plastering Board Make Good	35 days	Tue 28/9/21	Mon 1/11/21	0%
258	Smoke Curtain	30 days	Sun 26/9/21	Sun 31/10/21	100%
259	Screeding	35 days	Mon 27/9/21	Sun 31/10/21	100%
260	Clear Laminated Tempered Glass	30 days	Sun 3/10/21	Mon 1/11/21	100%
261	Tiling	30 days	Fri 15/10/21	Sat 13/11/21	90%
262	Copper Strip Inserts	15 days	Thu 28/10/21	Thu 11/11/21	90%
263	Laminate & Metal Panel Cladding	28 days	Mon 4/10/21	Sun 31/10/21	10%
264	Railing	25 days	Thu 7/10/21	Sun 31/10/21	100%
265	Floor Trimming Insert	15 days	Sun 24/10/21	Sun 7/11/21	100%
266	Painting	30 days	Mon 25/10/21	Tue 23/11/21	95%
267	2Hr FR Auto Swing Door	18 days	Wed 6/10/21	Sun 31/10/21	0%
268	Door & Ironmongery	20 days	Mon 4/10/21	Sun 31/10/21	70%
269	Planter Box	15 days	Thu 11/11/21	Thu 25/11/21	10%
270	Signages	15 days	Tue 19/10/21	Tue 2/11/21	0%
271	**M&E**	119 days	Mon 5/7/21	Sun 31/10/21	99%
272	Survey	14 days	Mon 5/7/21	Sun 18/7/21	100%
273	ACMV Installation	80 days	Mon 19/7/21	Wed 27/10/21	100%
274	Electrical Installation	80 days	Mon 19/7/21	Wed 27/10/21	100%
275	Fire Protection Installation	80 days	Mon 19/7/21	Wed 27/10/21	100%
276	BMS Installation	80 days	Mon 19/7/21	Wed 27/10/21	100%
277	ESCS Installation	80 days	Mon 19/7/21	Wed 27/10/21	100%



Task	External Tasks	Duration-only	External Tasks
Split	External Milestone	Manual Summary Rollup	External Milestone
Milestone	Inactive Milestone	Manual Summary	Progress
Summary	Inactive Summary	Start-only	Deadline
Project Summary	Manual Task	Finish-only	

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

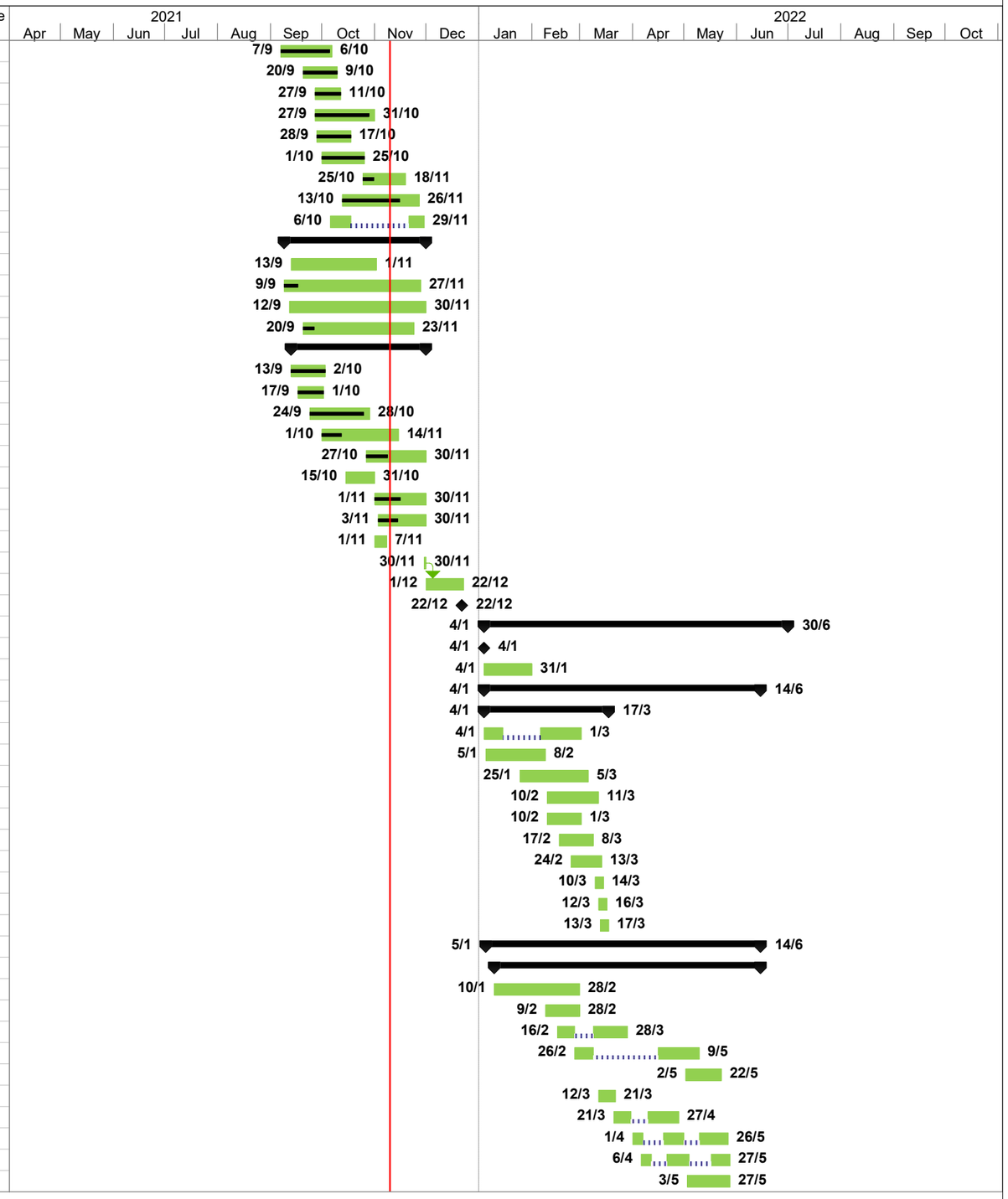
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
278	T&C	8 days	Sun 24/10/21	Sun 31/10/21	50%
279	**Level 2 - #02-151-154**	**122 days**	**Fri 2/7/21**	**Sun 31/10/21**	**97%**
280	**Architectural**	**122 days**	**Fri 2/7/21**	**Sun 31/10/21**	**95%**
289	**M&E**	105 days	Mon 19/7/21	Sun 31/10/21	98%
290	Relocation & Removal	21 days	Mon 19/7/21	Sun 8/8/21	100%
291	ACMV Installation	75 days	Mon 26/7/21	Wed 27/10/21	100%
292	Gas Installation	75 days	Mon 26/7/21	Wed 27/10/21	95%
293	Electrical Installation	75 days	Mon 26/7/21	Wed 27/10/21	100%
294	Fire Protection Installation	75 days	Mon 26/7/21	Wed 27/10/21	100%
295	BMS Installation	75 days	Mon 26/7/21	Wed 27/10/21	100%
296	ESCS Installation	75 days	Mon 26/7/21	Wed 27/10/21	100%
297	T&C	15 days	Sun 17/10/21	Sun 31/10/21	50%
298	**Level 2 - #02-119 (Capital Optical)**	**24 days**	**Wed 6/10/21**	**Fri 29/10/21**	**100%**
299	**LIVE Tenant Area**	**24 days**	**Wed 6/10/21**	**Fri 29/10/21**	**100%**
309	**Level 2 - #02-138-139 (N's Fashion)**	**24 days**	**Wed 6/10/21**	**Fri 29/10/21**	**100%**
310	**LIVE Tenant Area**	**24 days**	**Wed 6/10/21**	**Fri 29/10/21**	**100%**
320	**Staircase 8A (Basement 4 - Lv 1)**	**147 days**	**Thu 1/7/21**	**Wed 24/11/21**	**98%**
321	Structure Demolition	84 days	Fri 23/7/21	Thu 14/10/21	100%
330	**Architectural**	**147 days**	**Thu 1/7/21**	**Wed 24/11/21**	**95%**
331	Hoarding	12 days	Thu 1/7/21	Mon 12/7/21	100%
332	Demolition	35 days	Mon 5/7/21	Sun 8/8/21	100%
333	Lintol & Stiffener for New Wall	10 days	Fri 8/10/21	Sun 17/10/21	100%
334	Brickwork	15 days	Wed 13/10/21	Wed 27/10/21	100%
335	Plastering	10 days	Wed 20/10/21	Fri 29/10/21	98%
336	Skimcoating	9 days	Sat 23/10/21	Sun 31/10/21	95%
337	Railing	12 days	Wed 20/10/21	Sun 31/10/21	97%
338	Screeding	12 days	Mon 25/10/21	Fri 5/11/21	95%
339	Nosing Tiles	5 days	Wed 27/10/21	Sun 31/10/21	95%
340	Tactiles	5 days	Wed 27/10/21	Sun 31/10/21	75%
341	Painting	10 days	Mon 15/11/21	Wed 24/11/21	65%
342	**M&E**	**118 days**	**Tue 6/7/21**	**Sun 31/10/21**	**97%**
343	Dismantling & Relocation of existing M&E services	30 days	Tue 6/7/21	Wed 4/8/21	100%
344	ACMV Installation	30 days	Thu 30/9/21	Fri 29/10/21	95%
345	Electrical Installation	30 days	Thu 30/9/21	Fri 29/10/21	95%
346	Fire Protection Installation	30 days	Thu 30/9/21	Fri 29/10/21	100%
347	BMS Installation	30 days	Thu 30/9/21	Fri 29/10/21	100%
348	T&C	2 days	Sat 30/10/21	Sun 31/10/21	0%
349	**Level 3 Roof (outside Coco Nut)**	**62 days**	**Mon 30/8/21**	**Sat 30/10/21**	97%
350	Existing Sunshade Removal	4 days	Mon 30/8/21	Thu 2/9/21	100%
351	Temporary Scaffold Staircase (Lv 3 - 4)	4 days	Thu 2/9/21	Sun 5/9/21	100%
352	Structure Opening & Strengthening	30 days	Mon 6/9/21	Tue 5/10/21	100%
353	Make Good Edges Primer & Plaster	15 days	Wed 29/9/21	Wed 13/10/21	100%
354	Propping Removal	15 days	Mon 4/10/21	Mon 18/10/21	100%
355	Installation of MV fans @ roof & Ductings	15 days	Wed 13/10/21	Wed 27/10/21	85%
356	Waterproofing Make Good to Lv 3 Flatroof	10 days	Mon 11/10/21	Wed 20/10/21	100%
357	Sunshade Modification	10 days	Tue 19/10/21	Thu 28/10/21	100%
358	Catladder Installation	5 days	Mon 25/10/21	Fri 29/10/21	100%
359	Painting	3 days	Thu 28/10/21	Sat 30/10/21	65%
360	**Level 3 Landscape Roof**	**120 days**	**Mon 2/8/21**	**Mon 29/11/21**	**84%**
361	Localised Waterproofing Removal	15 days	Mon 2/8/21	Mon 16/8/21	100%
362	RC Kerb	20 days	Tue 24/8/21	Sun 12/9/21	100%
363	Strengthening Beam	25 days	Wed 25/8/21	Sat 18/9/21	100%
364	Propping	20 days	Wed 1/9/21	Mon 20/9/21	100%
365	Slab Removal	25 days	Sat 4/9/21	Tue 28/9/21	100%



Task	External Tasks	Duration-only	External Tasks
Split	External Milestone	Manual Summary Rollup	External Milestone
Milestone	Inactive Milestone	Manual Summary	Progress
Summary	Inactive Summary	Start-only	Deadline
Project Summary	Manual Task	Finish-only	

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

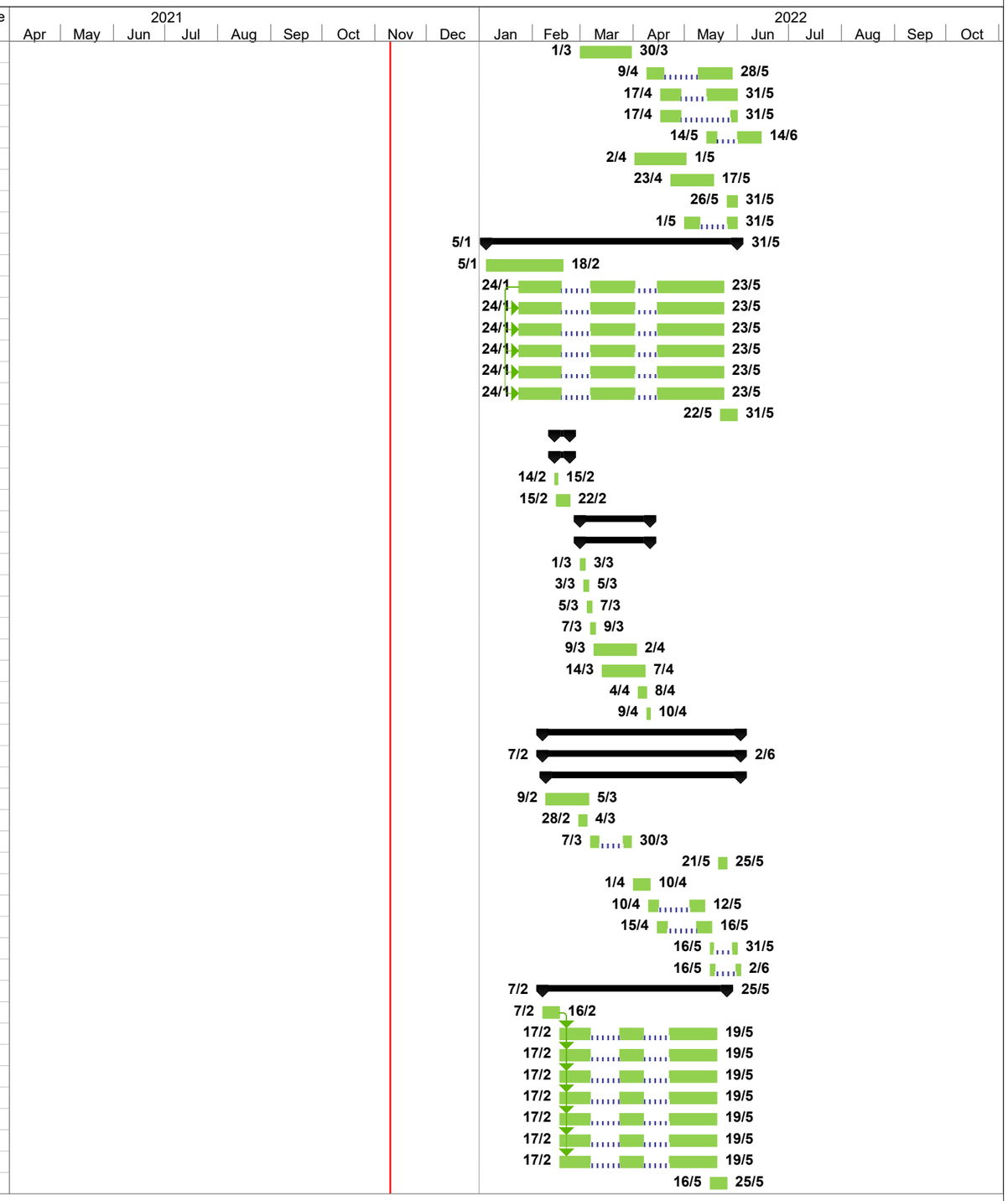
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
366	Existing Waterproofing Removal	30 days	Tue 7/9/21	Wed 6/10/21	95%
367	Make Good Slab Edges with Primer & Plaster	20 days	Mon 20/9/21	Sat 9/10/21	100%
368	Vermiculite	15 days	Mon 27/9/21	Mon 11/10/21	100%
369	Installation of MV fans @ roof & Ductings	35 days	Mon 27/9/21	Sun 31/10/21	90%
370	RC Stumbs for Trellis	20 days	Tue 28/9/21	Sun 17/10/21	100%
371	Trellis Structure	25 days	Fri 1/10/21	Mon 25/10/21	100%
372	Trellis & Sound Barrier	25 days	Mon 25/10/21	Thu 18/11/21	25%
373	New Waterproofing	45 days	Wed 13/10/21	Fri 26/11/21	75%
374	Electrical Installation (Not to affect RI Inspection related items)	21 days	Wed 6/10/21	Mon 29/11/21	0%
375	**Internal Void**	**83 days**	**Thu 9/9/21**	**Tue 30/11/21**	**5%**
376	Internal Void Skylight Painting & Cleaning	50 days	Mon 13/9/21	Mon 1/11/21	0%
377	Void 1 Ceiling & Void Edge Fascia (Not to affect RI Inspection related items)	80 days	Thu 9/9/21	Sat 27/11/21	10%
378	Void 3 Ceiling & Void Edge Fascia	80 days	Sun 12/9/21	Tue 30/11/21	0%
379	Column Cladding	65 days	Mon 20/9/21	Tue 23/11/21	10%
380	**Level 4**	**79 days**	**Mon 13/9/21**	**Tue 30/11/21**	**60%**
381	Localise Waterproofing Removal	20 days	Mon 13/9/21	Sat 2/10/21	100%
382	Stumb Footings	15 days	Fri 17/9/21	Fri 1/10/21	100%
383	Installation of MV fans @ roof & Ductings	35 days	Fri 24/9/21	Thu 28/10/21	90%
384	Waterproofing	45 days	Fri 1/10/21	Sun 14/11/21	25%
385	Trellis & Sound Barrier	35 days	Wed 27/10/21	Tue 30/11/21	35%
386	Common Area Signage	17 days	Fri 15/10/21	Sun 31/10/21	0%
387	RI Inspection	30 days	Mon 1/11/21	Tue 30/11/21	50%
388	Site Staff Handover Inspection	28 days	Wed 3/11/21	Tue 30/11/21	40%
389	Noise Consultant Submission to NEA	7 days	Mon 1/11/21	Sun 7/11/21	0%
390	TFP	1 day	Tue 30/11/21	Tue 30/11/21	0%
391	TOP Inspection & Cert Issuance	22 days	Wed 1/12/21	Wed 22/12/21	0%
392	Phase 1 Completion	0 days	Wed 22/12/21	Wed 22/12/21	0%
393	**Phase 2**	**178 days**	**Tue 4/1/22**	**Thu 30/6/22**	**1%**
394	Site Possession	0 days	Tue 4/1/22	Tue 4/1/22	0%
395	Hoarding	28 days	Tue 4/1/22	Mon 31/1/22	0%
396	**Basement 1 - #B1-119 to 127, #B1-K101-K102 & Shop Front Corridor**	**162 days**	**Tue 4/1/22**	**Tue 14/6/22**	**0%**
397	**Structure Opening at Basement 1**	**73 days**	**Tue 4/1/22**	**Thu 17/3/22**	**0%**
398	Demolition	35 days	Tue 4/1/22	Tue 1/3/22	0%
399	M&E Services Removal / Relocation	35 days	Wed 5/1/22	Tue 8/2/22	0%
400	Strengthening Structure	40 days	Tue 25/1/22	Sat 5/3/22	0%
401	Fibrwrap	30 days	Thu 10/2/22	Fri 11/3/22	0%
402	Propping	20 days	Thu 10/2/22	Tue 1/3/22	0%
403	Tendon Termination	20 days	Thu 17/2/22	Tue 8/3/22	0%
404	Structure Removal	18 days	Thu 24/2/22	Sun 13/3/22	0%
405	Make Good Edges with Primer & Plaster	5 days	Thu 10/3/22	Mon 14/3/22	0%
406	Vermiculite	5 days	Sat 12/3/22	Wed 16/3/22	0%
407	Propping Removal	5 days	Sun 13/3/22	Thu 17/3/22	0%
408	**Tenant Area**	**161 days**	**Wed 5/1/22**	**Tue 14/6/22**	**0%**
409	**Architectural**	**156 days**	**Mon 10/1/22**	**Tue 14/6/22**	**0%**
410	Demolition	50 days	Mon 10/1/22	Mon 28/2/22	0%
411	Setting out	20 days	Wed 9/2/22	Mon 28/2/22	0%
412	Block Wall	30 days	Wed 16/2/22	Mon 28/3/22	0%
413	Drywall	35 days	Sat 26/2/22	Mon 9/5/22	0%
414	Security Mesh	21 days	Mon 2/5/22	Sun 22/5/22	0%
415	Existing Shutter Removal	10 days	Sat 12/3/22	Mon 21/3/22	0%
416	2Hr FR Roller Shutter	28 days	Mon 21/3/22	Wed 27/4/22	0%
417	Plastering	35 days	Fri 1/4/22	Thu 26/5/22	0%
418	Skimcoating	30 days	Wed 6/4/22	Fri 27/5/22	0%
419	1m Ht Low Wall / Divider Railing	25 days	Tue 3/5/22	Fri 27/5/22	0%



Task	External Tasks	Duration-only	External Tasks		
Split	External Milestone	Manual Summary Rollup	External Milestone		
Milestone	Inactive Milestone	Manual Summary	Progress		
Summary	Inactive Summary	Start-only	Deadline		
Project Summary	Manual Task	Finish-only			

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

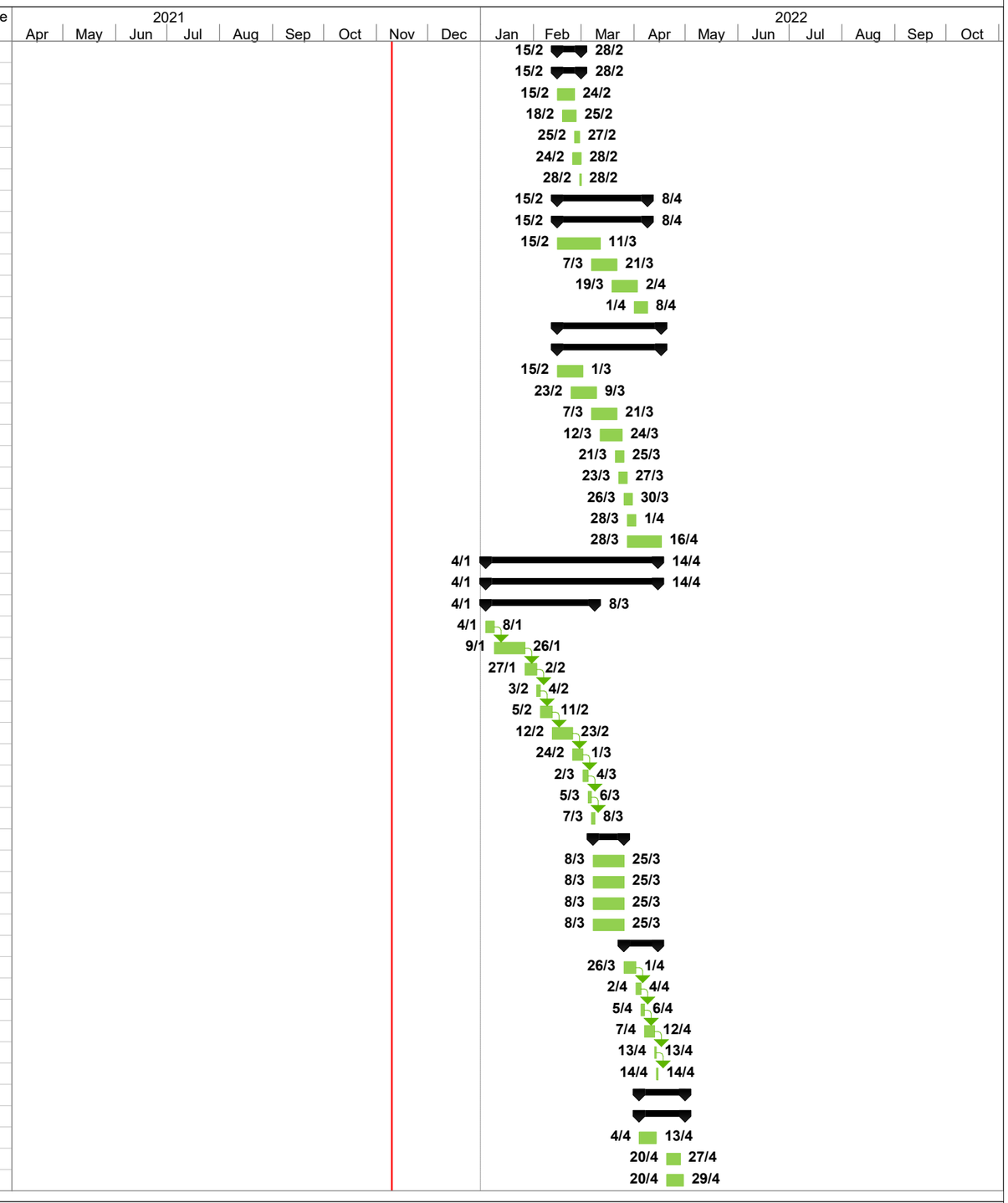
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
420	Shop Front Bulkhead	30 days	Tue 1/3/22	Wed 30/3/22	0%
421	Plaster Ceiling	30 days	Sat 9/4/22	Sat 28/5/22	0%
422	Alum Ceiling	30 days	Sun 17/4/22	Tue 31/5/22	0%
423	Door & Ironmongery	16 days	Sun 17/4/22	Tue 31/5/22	0%
424	Painting	20 days	Sat 14/5/22	Tue 14/6/22	0%
425	Screeding	30 days	Sat 2/4/22	Sun 1/5/22	0%
426	Tiling	25 days	Sat 23/4/22	Tue 17/5/22	0%
427	Floor Trimming Insert	6 days	Thu 26/5/22	Tue 31/5/22	0%
428	Demise Pier	15 days	Sun 1/5/22	Tue 31/5/22	0%
429	**M&E**	147 days	Wed 5/1/22	Tue 31/5/22	0%
430	Services Relocation & Removal	45 days	Wed 5/1/22	Fri 18/2/22	0%
431	ACMV Installation	90 days	Mon 24/1/22	Mon 23/5/22	0%
432	Electrical Installation	90 days	Mon 24/1/22	Mon 23/5/22	0%
433	S&P installation	90 days	Mon 24/1/22	Mon 23/5/22	0%
434	Gas Installation	90 days	Mon 24/1/22	Mon 23/5/22	0%
435	Fire Protection Installation	90 days	Mon 24/1/22	Mon 23/5/22	0%
436	BMS Installation	90 days	Mon 24/1/22	Mon 23/5/22	0%
437	T&C	10 days	Sun 22/5/22	Tue 31/5/22	0%
438	**Basement 1 - #B1-118 (Ex GNC)**	**9 days**	**Mon 14/2/22**	**Tue 22/2/22**	**0%**
439	**Live Tenant Area**	**9 days**	**Mon 14/2/22**	**Tue 22/2/22**	**0%**
440	Protection Barrier	2 days	Mon 14/2/22	Tue 15/2/22	0%
441	Brick Work Demolition from #01-124/125 (Elegant Nails)	8 days	Tue 15/2/22	Tue 22/2/22	0%
442	**Basement 1 - #B1-129 (Cocoa Tree)**	**41 days**	**Tue 1/3/22**	**Sun 10/4/22**	**0%**
443	**Live Tenant Area**	**41 days**	**Tue 1/3/22**	**Sun 10/4/22**	**0%**
444	Shop Front Removal	3 days	Tue 1/3/22	Thu 3/3/22	0%
445	Brick Work	3 days	Thu 3/3/22	Sat 5/3/22	0%
446	Plastering	3 days	Sat 5/3/22	Mon 7/3/22	0%
447	Skimcoating	3 days	Mon 7/3/22	Wed 9/3/22	0%
448	ESCS Installation	25 days	Wed 9/3/22	Sat 2/4/22	0%
449	ACMV Installation	25 days	Mon 14/3/22	Thu 7/4/22	0%
450	Make Good Ceiling	5 days	Mon 4/4/22	Fri 8/4/22	0%
451	Paint	2 days	Sat 9/4/22	Sun 10/4/22	0%
452	**Level 1 - #01-119 to 120**	**116 days**	**Mon 7/2/22**	**Thu 2/6/22**	**0%**
453	**Tenant Area**	**116 days**	**Mon 7/2/22**	**Thu 2/6/22**	**0%**
454	**Architectural**	**114 days**	**Wed 9/2/22**	**Thu 2/6/22**	**0%**
455	Demolition	25 days	Wed 9/2/22	Sat 5/3/22	0%
456	Setting out	5 days	Mon 28/2/22	Fri 4/3/22	0%
457	Drywall	10 days	Mon 7/3/22	Wed 30/3/22	0%
458	Security Mesh	5 days	Sat 21/5/22	Wed 25/5/22	0%
459	Shop Front Bulkhead	10 days	Fri 1/4/22	Sun 10/4/22	0%
460	Plastering	15 days	Sun 10/4/22	Thu 12/5/22	0%
461	Skimcoating	15 days	Fri 15/4/22	Mon 16/5/22	0%
462	Demise Pier	5 days	Mon 16/5/22	Tue 31/5/22	0%
463	Painting	6 days	Mon 16/5/22	Thu 2/6/22	0%
464	**M&E**	108 days	Mon 7/2/22	Wed 25/5/22	0%
465	Site Survey	10 days	Mon 7/2/22	Wed 16/2/22	0%
466	ACMV Installation	60 days	Thu 17/2/22	Thu 19/5/22	0%
467	ESCS Installation	60 days	Thu 17/2/22	Thu 19/5/22	0%
468	Electrical Installation	60 days	Thu 17/2/22	Thu 19/5/22	0%
469	S&P installation	60 days	Thu 17/2/22	Thu 19/5/22	0%
470	Gas Installation	60 days	Thu 17/2/22	Thu 19/5/22	0%
471	Fire Protection Installation	60 days	Thu 17/2/22	Thu 19/5/22	0%
472	BMS Installation	60 days	Thu 17/2/22	Thu 19/5/22	0%
473	T&C	10 days	Mon 16/5/22	Wed 25/5/22	0%



Task	External Tasks	Duration-only	External Tasks		
Split	External Milestone	Manual Summary Rollup	External Milestone		
Milestone	Inactive Milestone	Manual Summary	Progress		
Summary	Inactive Summary	Start-only	Deadline		
Project Summary	Manual Task	Finish-only			

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

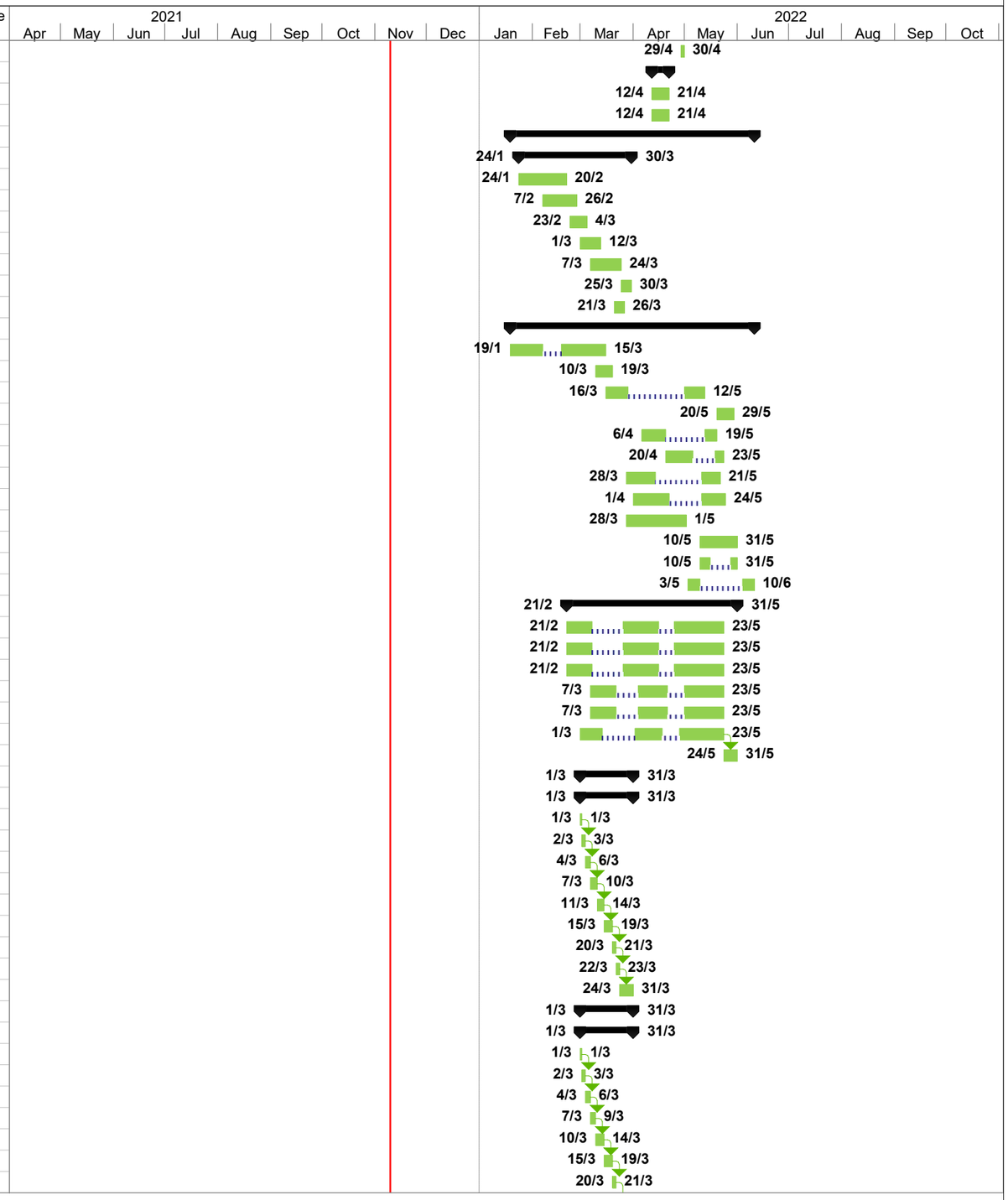
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
474	**Level 1 - #01-118 (Guardian)**	**14 days**	**Tue 15/2/22**	**Mon 28/2/22**	**0%**
475	**LIVE Tenant Area**	**14 days**	**Tue 15/2/22**	**Mon 28/2/22**	**0%**
476	S&P Installation	10 days	Tue 15/2/22	Thu 24/2/22	0%
477	Fire Protection Installation	8 days	Fri 18/2/22	Fri 25/2/22	0%
478	Make Good Ceiling	3 days	Fri 25/2/22	Sun 27/2/22	0%
479	Low Height Railing Installation	5 days	Thu 24/2/22	Mon 28/2/22	0%
480	Painting	1 day	Mon 28/2/22	Mon 28/2/22	0%
481	**Level 1 - #01-121-123 (Royal Sporting House)**	**53 days**	**Tue 15/2/22**	**Fri 8/4/22**	**0%**
482	**LIVE Tenant Area**	**53 days**	**Tue 15/2/22**	**Fri 8/4/22**	**0%**
483	ACMV Installation	25 days	Tue 15/2/22	Fri 11/3/22	0%
484	S&P Installation	15 days	Mon 7/3/22	Mon 21/3/22	0%
485	Fire Protection Installation	15 days	Sat 19/3/22	Sat 2/4/22	0%
486	Make Good Ceiling	8 days	Fri 1/4/22	Fri 8/4/22	0%
487	**Level 1 - #01-124-125 (Elegant Nails)**	**61 days**	**Tue 15/2/22**	**Sat 16/4/22**	**0%**
488	**LIVE Tenant Area**	**61 days**	**Tue 15/2/22**	**Sat 16/4/22**	**0%**
489	Archi Demolition	15 days	Tue 15/2/22	Tue 1/3/22	0%
490	Existing Services Diversion & Removal	15 days	Wed 23/2/22	Wed 9/3/22	0%
491	ESCS Installation	15 days	Mon 7/3/22	Mon 21/3/22	0%
492	ACMV Installation	13 days	Sat 12/3/22	Thu 24/3/22	0%
493	Make Good Shaft	5 days	Mon 21/3/22	Fri 25/3/22	0%
494	Fire Protection Installation	5 days	Wed 23/3/22	Sun 27/3/22	0%
495	Shop Front Support Make Good	5 days	Sat 26/3/22	Wed 30/3/22	0%
496	Shop Front Glass	5 days	Mon 28/3/22	Fri 1/4/22	0%
497	Make Good Archi Finish	20 days	Mon 28/3/22	Sat 16/4/22	0%
498	**Level 1 - #01-126-128 (Yantra) Part 2**	**101 days**	**Tue 4/1/22**	**Thu 14/4/22**	**0%**
499	**LIVE Tenant Area**	**101 days**	**Tue 4/1/22**	**Thu 14/4/22**	**0%**
500	**Structure Opening at Level 1 Slab**	**64 days**	**Tue 4/1/22**	**Tue 8/3/22**	**0%**
501	Demolition	5 days	Tue 4/1/22	Sat 8/1/22	0%
502	M&E Services Removal / Relocation	18 days	Sun 9/1/22	Wed 26/1/22	0%
503	Strengthening	7 days	Thu 27/1/22	Wed 2/2/22	0%
504	Propping	2 days	Thu 3/2/22	Fri 4/2/22	0%
505	Tendon Termination	7 days	Sat 5/2/22	Fri 11/2/22	0%
506	Structure Removal	12 days	Sat 12/2/22	Wed 23/2/22	0%
507	Bondek	6 days	Thu 24/2/22	Tue 1/3/22	0%
508	Make Good Edges	3 days	Wed 2/3/22	Fri 4/3/22	0%
509	Propping Removal	2 days	Sat 5/3/22	Sun 6/3/22	0%
510	Vermiculite	2 days	Mon 7/3/22	Tue 8/3/22	0%
511	**M&E**	**18 days**	**Tue 8/3/22**	**Fri 25/3/22**	**0%**
512	ACMV Installation	18 days	Tue 8/3/22	Fri 25/3/22	0%
513	ESCS Installation	18 days	Tue 8/3/22	Fri 25/3/22	0%
514	Electrical Installation	18 days	Tue 8/3/22	Fri 25/3/22	0%
515	Fire Protection Installation	18 days	Tue 8/3/22	Fri 25/3/22	0%
516	**Architectural**	**20 days**	**Sat 26/3/22**	**Thu 14/4/22**	**0%**
517	Brickwork	7 days	Sat 26/3/22	Fri 1/4/22	0%
518	Plastering	3 days	Sat 2/4/22	Mon 4/4/22	0%
519	Skimcoating	2 days	Tue 5/4/22	Wed 6/4/22	0%
520	Ceiling Make Good	6 days	Thu 7/4/22	Tue 12/4/22	0%
521	Painting	1 day	Wed 13/4/22	Wed 13/4/22	0%
522	Hoarding Removal	1 day	Thu 14/4/22	Thu 14/4/22	0%
523	**Level 2 - #02 - K166 & K167**	**27 days**	**Mon 4/4/22**	**Sat 30/4/22**	**0%**
524	**Architectural**	**27 days**	**Mon 4/4/22**	**Sat 30/4/22**	**0%**
525	Demolition	10 days	Mon 4/4/22	Wed 13/4/22	0%
526	Screeding	8 days	Wed 20/4/22	Wed 27/4/22	0%
527	Tiling	10 days	Wed 20/4/22	Fri 29/4/22	0%



Task	External Tasks	Duration-only	External Tasks
Split	External Milestone	Manual Summary Rollup	External Milestone
Milestone	Inactive Milestone	Manual Summary	Progress
Summary	Inactive Summary	Start-only	Deadline
Project Summary	Manual Task	Finish-only	

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

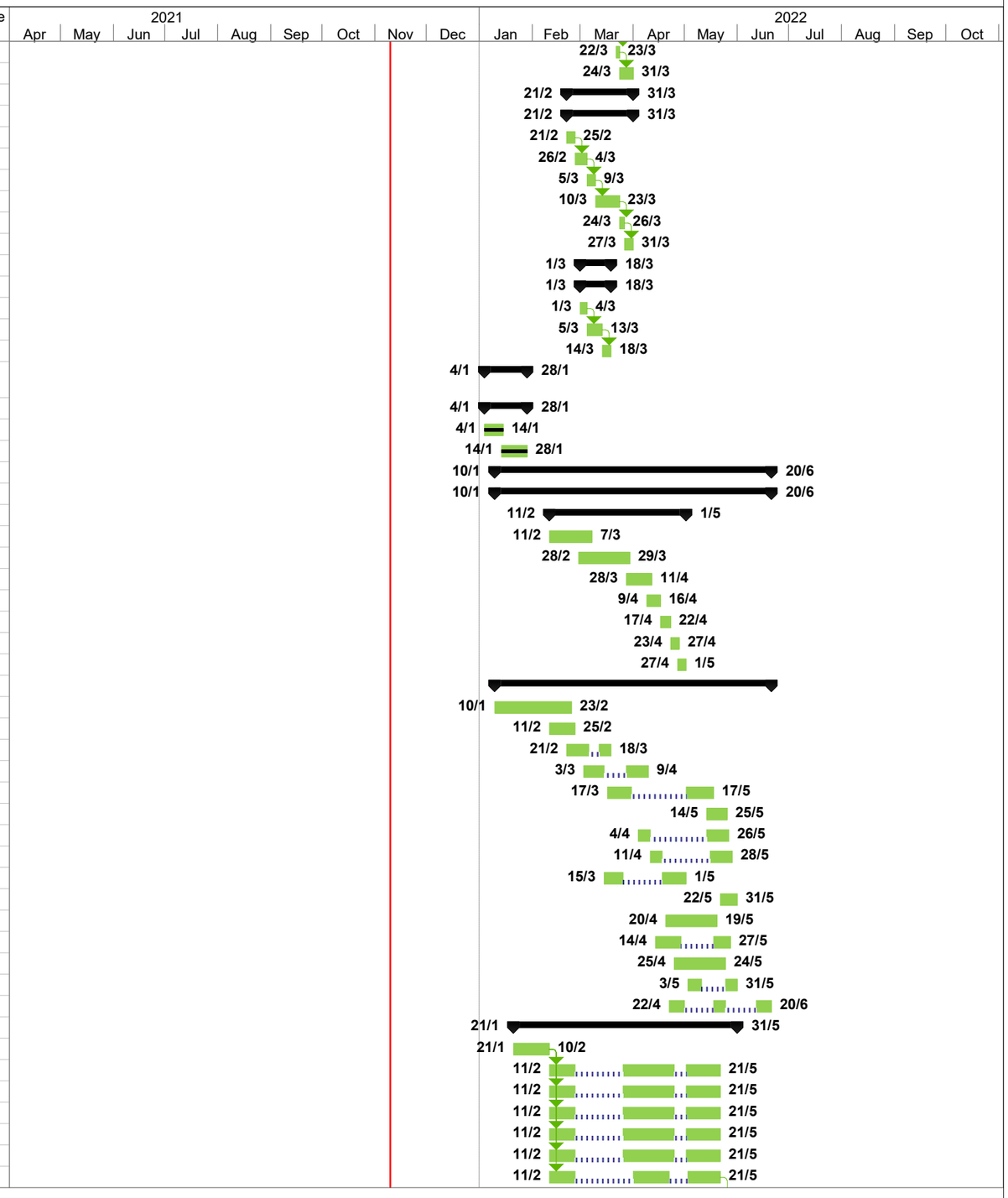
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
528	Floor Insert	2 days	Fri 29/4/22	Sat 30/4/22	0%
529	**M&E**	**10 days**	**Tue 12/4/22**	**Thu 21/4/22**	**0%**
530	Electrical Installation	10 days	Tue 12/4/22	Thu 21/4/22	0%
531	S&P Installation	10 days	Tue 12/4/22	Thu 21/4/22	0%
532	**Level 2 - #02-159 & #02-K168-172 and Shop Front Corridor**	**143 days**	**Wed 19/1/22**	**Fri 10/6/22**	**0%**
533	**Structure**	**66 days**	**Mon 24/1/22**	**Wed 30/3/22**	**0%**
534	M&E Services Removal / Relocation	28 days	Mon 24/1/22	Sun 20/2/22	0%
535	Strengthening	20 days	Mon 7/2/22	Sat 26/2/22	0%
536	Propping	10 days	Wed 23/2/22	Fri 4/3/22	0%
537	Tendon Termination	12 days	Tue 1/3/22	Sat 12/3/22	0%
538	Structure Removal	18 days	Mon 7/3/22	Thu 24/3/22	0%
539	Make Good Edges with Primer & Plaster	6 days	Fri 25/3/22	Wed 30/3/22	0%
540	Propping Removal	6 days	Mon 21/3/22	Sat 26/3/22	0%
541	**Architectural**	**143 days**	**Wed 19/1/22**	**Fri 10/6/22**	**0%**
542	Demolition	45 days	Wed 19/1/22	Tue 15/3/22	0%
543	Setting out	10 days	Thu 10/3/22	Sat 19/3/22	0%
544	Drywall	25 days	Wed 16/3/22	Thu 12/5/22	0%
545	Security Mesh	10 days	Fri 20/5/22	Sun 29/5/22	0%
546	Plastering	21 days	Wed 6/4/22	Thu 19/5/22	0%
547	Skimcoating	21 days	Wed 20/4/22	Mon 23/5/22	0%
548	Shop Front Bulkhead	28 days	Mon 28/3/22	Sat 21/5/22	0%
549	Corridor Ceiling	35 days	Fri 1/4/22	Tue 24/5/22	0%
550	Void Ceiling	35 days	Mon 28/3/22	Sun 1/5/22	0%
551	Tiling	22 days	Tue 10/5/22	Tue 31/5/22	0%
552	Demise Pier	10 days	Tue 10/5/22	Tue 31/5/22	0%
553	Painting	14 days	Tue 3/5/22	Fri 10/6/22	0%
554	**M&E**	100 days	Mon 21/2/22	Tue 31/5/22	0%
555	ACMV Installation	65 days	Mon 21/2/22	Mon 23/5/22	0%
556	Electrical Installation	65 days	Mon 21/2/22	Mon 23/5/22	0%
557	S&P installation	65 days	Mon 21/2/22	Mon 23/5/22	0%
558	Gas Installation	55 days	Mon 7/3/22	Mon 23/5/22	0%
559	Fire Protection Installation	55 days	Mon 7/3/22	Mon 23/5/22	0%
560	BMS Installation	55 days	Tue 1/3/22	Mon 23/5/22	0%
561	T&C	8 days	Tue 24/5/22	Tue 31/5/22	0%
562	**Level 2 - #02-101 (Hanna Lee)**	**31 days**	**Tue 1/3/22**	**Thu 31/3/22**	**0%**
563	**LIVE Tenant Area**	**31 days**	**Tue 1/3/22**	**Thu 31/3/22**	**0%**
564	Hoarding	1 day	Tue 1/3/22	Tue 1/3/22	0%
565	Ceiling Removal	2 days	Wed 2/3/22	Thu 3/3/22	0%
566	Glass Panel Removal	3 days	Fri 4/3/22	Sun 6/3/22	0%
567	Existing Steel Frame Removal	4 days	Mon 7/3/22	Thu 10/3/22	0%
568	Steel Frame Installation	4 days	Fri 11/3/22	Mon 14/3/22	0%
569	New Glass Panel & Glass Door Installation	5 days	Tue 15/3/22	Sat 19/3/22	0%
570	Electrical Work	2 days	Sun 20/3/22	Mon 21/3/22	0%
571	Auto Door Mechanism	2 days	Tue 22/3/22	Wed 23/3/22	0%
572	Make Good Tenant's Finishes	8 days	Thu 24/3/22	Thu 31/3/22	0%
573	**Level 2 - #02-165 (Badger & Fox)**	**31 days**	**Tue 1/3/22**	**Thu 31/3/22**	**0%**
574	**LIVE Tenant Area**	**31 days**	**Tue 1/3/22**	**Thu 31/3/22**	**0%**
575	Hoarding	1 day	Tue 1/3/22	Tue 1/3/22	0%
576	Ceiling Removal	2 days	Wed 2/3/22	Thu 3/3/22	0%
577	Glass Panel Removal	3 days	Fri 4/3/22	Sun 6/3/22	0%
578	Existing Steel Frame Removal	3 days	Mon 7/3/22	Wed 9/3/22	0%
579	Steel Frame Installation	5 days	Thu 10/3/22	Mon 14/3/22	0%
580	New Glass Panel Installation	5 days	Tue 15/3/22	Sat 19/3/22	0%
581	Electrical Work	2 days	Sun 20/3/22	Mon 21/3/22	0%



Task	External Tasks	Duration-only	External Tasks		
Split	External Milestone	Manual Summary Rollup	External Milestone		
Milestone	Inactive Milestone	Manual Summary	Progress		
Summary	Inactive Summary	Start-only	Deadline		
Project Summary	Manual Task	Finish-only			

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

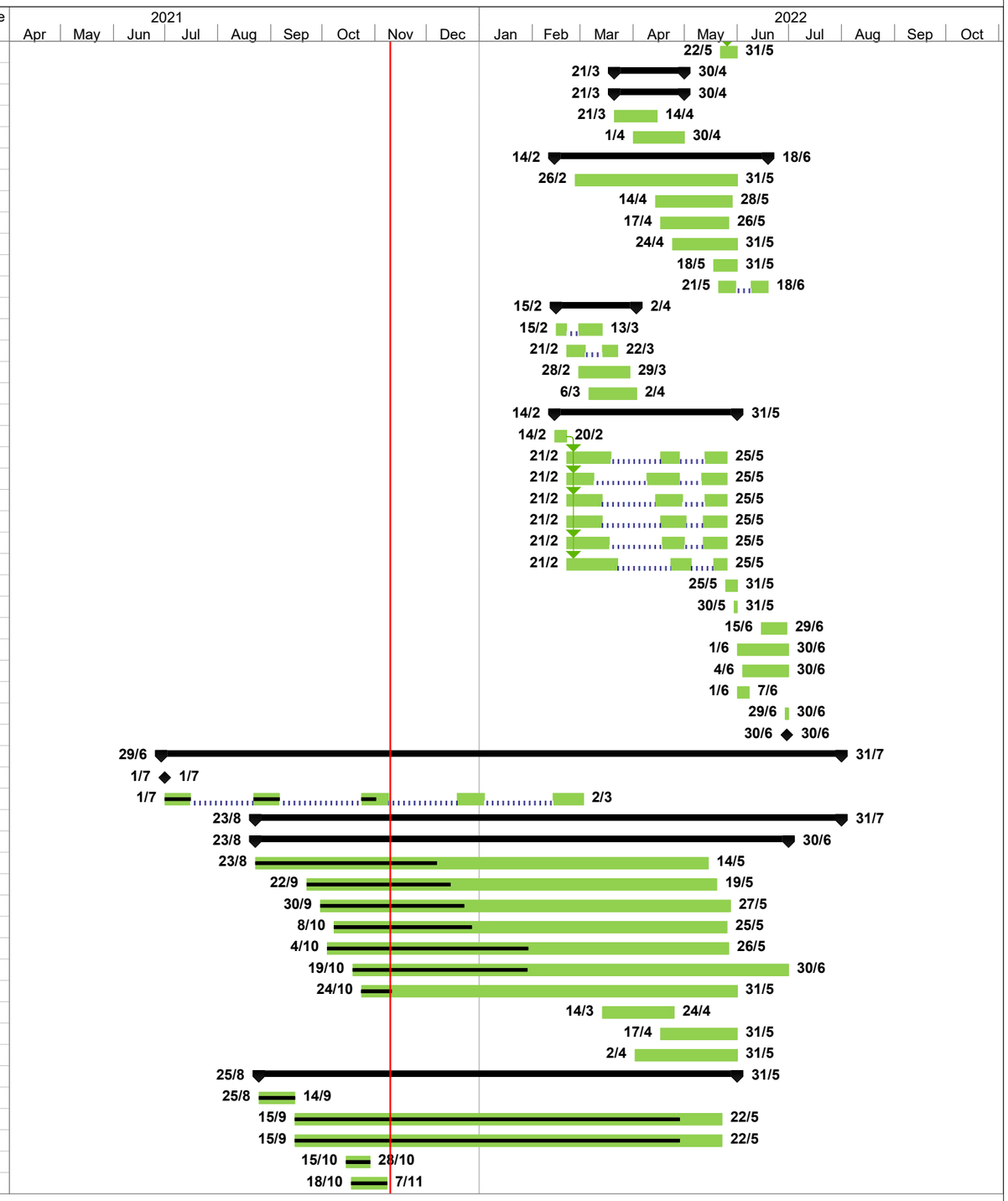
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
582	Auto Door Mechanism	2 days	Tue 22/3/22	Wed 23/3/22	0%
583	Make Good Tenant's Finishes	8 days	Thu 24/3/22	Thu 31/3/22	0%
584	**Level 2 - #02-146-150 (Scoop)**	**39 days**	**Mon 21/2/22**	**Thu 31/3/22**	**0%**
585	**LIVE Tenant Area**	**39 days**	**Mon 21/2/22**	**Thu 31/3/22**	**0%**
586	Ceiling Removal	5 days	Mon 21/2/22	Fri 25/2/22	0%
587	Steel Framing	7 days	Sat 26/2/22	Fri 4/3/22	0%
588	Top up Wall	5 days	Sat 5/3/22	Wed 9/3/22	0%
589	Fire Roller Shutter	14 days	Thu 10/3/22	Wed 23/3/22	0%
590	Drywall on Roller Shutter	3 days	Thu 24/3/22	Sat 26/3/22	0%
591	Make Good Ceiling	5 days	Sun 27/3/22	Thu 31/3/22	0%
592	**Level 2 - #02-155-156 (House of Anli Grocer)**	**18 days**	**Tue 1/3/22**	**Fri 18/3/22**	**0%**
593	**LIVE Tenant Area**	**18 days**	**Tue 1/3/22**	**Fri 18/3/22**	**0%**
594	Ceiling Removal	4 days	Tue 1/3/22	Fri 4/3/22	0%
595	S&P Installation	9 days	Sat 5/3/22	Sun 13/3/22	0%
596	Make Good Tenant's Finishes	5 days	Mon 14/3/22	Fri 18/3/22	0%
597	**Level 2 - #02-160 (Simone Ironi), #02-161 (Watch It!) & #02-162 (Asian Palette)**	**25 days**	**Tue 4/1/22**	**Fri 28/1/22**	**100%**
598	**LIVE Tenant Area**	**25 days**	**Tue 4/1/22**	**Fri 28/1/22**	**100%**
599	S&P Installation	11 days	Tue 4/1/22	Fri 14/1/22	100%
600	Make Good Tenant's Finishes	15 days	Fri 14/1/22	Fri 28/1/22	100%
601	**Level 3 - #03-116-117, #03-K136, Corridor**	**162 days**	**Mon 10/1/22**	**Mon 20/6/22**	**0%**
602	**Tenant Area**	**162 days**	**Mon 10/1/22**	**Mon 20/6/22**	**0%**
603	**Double Slab**	**80 days**	**Fri 11/2/22**	**Sun 1/5/22**	**0%**
604	Demolition & M&E Services Removal	25 days	Fri 11/2/22	Mon 7/3/22	0%
605	Steel Structure & Bondek	30 days	Mon 28/2/22	Tue 29/3/22	0%
606	Concrete	15 days	Mon 28/3/22	Mon 11/4/22	0%
607	Waterproofing	8 days	Sat 9/4/22	Sat 16/4/22	0%
608	Brick / Block Wall	6 days	Sun 17/4/22	Fri 22/4/22	0%
609	Vermiculite	5 days	Sat 23/4/22	Wed 27/4/22	0%
610	Plastering	5 days	Wed 27/4/22	Sun 1/5/22	0%
611	**Architectural**	**162 days**	**Mon 10/1/22**	**Mon 20/6/22**	**0%**
612	Demolition	45 days	Mon 10/1/22	Wed 23/2/22	0%
613	Setting out	15 days	Fri 11/2/22	Fri 25/2/22	0%
614	Stiffener & Lintol	20 days	Mon 21/2/22	Fri 18/3/22	0%
615	Block Wall	25 days	Thu 3/3/22	Sat 9/4/22	0%
616	Drywall	30 days	Thu 17/3/22	Tue 17/5/22	0%
617	Security Mesh	12 days	Sat 14/5/22	Wed 25/5/22	0%
618	Plastering	20 days	Mon 4/4/22	Thu 26/5/22	0%
619	Skimcoating	20 days	Mon 11/4/22	Sat 28/5/22	0%
620	Shop Front Bulkhead	25 days	Tue 15/3/22	Sun 1/5/22	0%
621	Double Slab Access Door	10 days	Sun 22/5/22	Tue 31/5/22	0%
622	Screeding	30 days	Wed 20/4/22	Thu 19/5/22	0%
623	Ceiling	25 days	Thu 14/4/22	Fri 27/5/22	0%
624	Tiling	30 days	Mon 25/4/22	Tue 24/5/22	0%
625	Demise Pier	15 days	Tue 3/5/22	Tue 31/5/22	0%
626	Painting	25 days	Fri 22/4/22	Mon 20/6/22	0%
627	**M&E**	131 days	Fri 21/1/22	Tue 31/5/22	0%
628	Relocation & Removal	21 days	Fri 21/1/22	Thu 10/2/22	0%
629	ACMV Installation	65 days	Fri 11/2/22	Sat 21/5/22	0%
630	Electrical Installation	65 days	Fri 11/2/22	Sat 21/5/22	0%
631	S&P installation	65 days	Fri 11/2/22	Sat 21/5/22	0%
632	Gas Installation	65 days	Fri 11/2/22	Sat 21/5/22	0%
633	Fire Protection Installation	65 days	Fri 11/2/22	Sat 21/5/22	0%
634	BMS Installation	55 days	Fri 11/2/22	Sat 21/5/22	0%



Task	External Tasks	Duration-only	External Tasks		
Split	External Milestone	Manual Summary Rollup	External Milestone		
Milestone	Inactive Milestone	Manual Summary	Progress		
Summary	Inactive Summary	Start-only	Deadline		
Project Summary	Manual Task	Finish-only			

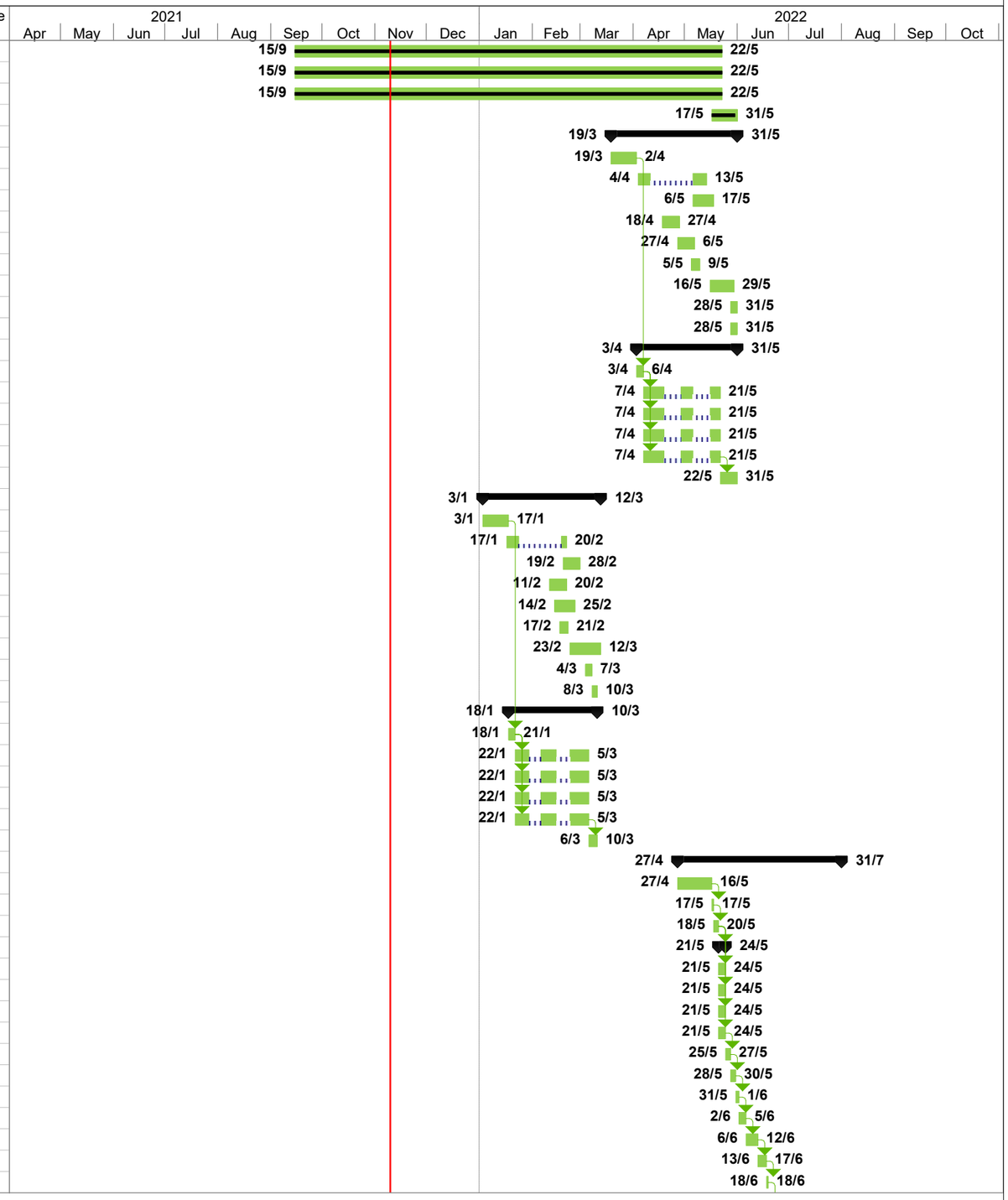
PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
635	T&C	10 days	Sun 22/5/22	Tue 31/5/22	0%
636	**Level 3 - #03-119 (Komme) & #03-125, #03-129, #03-130 (Currently Vacant)**	**41 days**	**Mon 21/3/22**	**Sat 30/4/22**	**0%**
637	**LIVE Tenant Area**	**41 days**	**Mon 21/3/22**	**Sat 30/4/22**	**0%**
638	S&P Installation	25 days	Mon 21/3/22	Thu 14/4/22	0%
639	Make Good Tenant's Finishes	30 days	Fri 1/4/22	Sat 30/4/22	0%
640	**Common Area**	**125 days**	**Mon 14/2/22**	**Sat 18/6/22**	**0%**
641	Void 2 Ceiling & Void Edge Fascia	95 days	Sat 26/2/22	Tue 31/5/22	0%
642	Plaster Ceiling	45 days	Thu 14/4/22	Sat 28/5/22	0%
643	Screeding	40 days	Sun 17/4/22	Thu 26/5/22	0%
644	Tiling	38 days	Sun 24/4/22	Tue 31/5/22	0%
645	Floor Trimming Insert	14 days	Wed 18/5/22	Tue 31/5/22	0%
646	Painting	20 days	Sat 21/5/22	Sat 18/6/22	0%
647	**New Info Counter**	**47 days**	**Tue 15/2/22**	**Sat 2/4/22**	**0%**
648	Plaster Ceiling	20 days	Tue 15/2/22	Sun 13/3/22	0%
649	Barrisol Stretch Canvass	20 days	Mon 21/2/22	Tue 22/3/22	0%
650	Counter Carpentry Work	30 days	Mon 28/2/22	Tue 29/3/22	0%
651	Counter Finishing Work	28 days	Sun 6/3/22	Sat 2/4/22	0%
652	**M&E**	107 days	Mon 14/2/22	Tue 31/5/22	0%
653	Survey	7 days	Mon 14/2/22	Sun 20/2/22	0%
654	ACMV Installation	50 days	Mon 21/2/22	Wed 25/5/22	0%
655	Electrical Installation	50 days	Mon 21/2/22	Wed 25/5/22	0%
656	Fire Protection Installation	50 days	Mon 21/2/22	Wed 25/5/22	0%
657	ESCS Installation	50 days	Mon 21/2/22	Wed 25/5/22	0%
658	BMS Installation	52 days	Mon 21/2/22	Wed 25/5/22	0%
659	ESCS Installation	50 days	Mon 21/2/22	Wed 25/5/22	0%
660	T&C	7 days	Wed 25/5/22	Tue 31/5/22	0%
661	Combine Test	2 days	Mon 30/5/22	Tue 31/5/22	0%
662	Noise Report Submission	15 days	Wed 15/6/22	Wed 29/6/22	0%
663	RI Inspection	30 days	Wed 1/6/22	Thu 30/6/22	0%
664	Site Staff Handover Inspection	27 days	Sat 4/6/22	Thu 30/6/22	0%
665	Noise Consultant Submission to NEA	7 days	Wed 1/6/22	Tue 7/6/22	0%
666	TFP Inspection	2 days	Wed 29/6/22	Thu 30/6/22	0%
667	Phase 2 Completion	0 days	Thu 30/6/22	Thu 30/6/22	0%
668	**Phase 3A - Common Area & LIVE Tenants**	**398 days**	**Tue 29/6/21**	**Sun 31/7/22**	**26%**
669	Site Possession	0 days	Thu 1/7/21	Thu 1/7/21	100%
670	Hoarding	80 days	Thu 1/7/21	Wed 2/3/22	48%
671	**Basement 1**	**343 days**	**Mon 23/8/21**	**Sun 31/7/22**	**50%**
672	**Common Area**	**312 days**	**Mon 23/8/21**	**Thu 30/6/22**	**59%**
673	Demolition	265 days	Mon 23/8/21	Sat 14/5/22	40%
674	Floor Screeding	240 days	Wed 22/9/21	Thu 19/5/22	35%
675	Tiling	240 days	Thu 30/9/21	Fri 27/5/22	35%
676	Floor Trimming Insert	230 days	Fri 8/10/21	Wed 25/5/22	35%
677	Plaster Ceiing	235 days	Mon 4/10/21	Thu 26/5/22	50%
678	Painting	255 days	Tue 19/10/21	Thu 30/6/22	40%
679	Alum Ceiling	220 days	Sun 24/10/21	Tue 31/5/22	8%
680	New Roller Shutter	42 days	Mon 14/3/22	Sun 24/4/22	0%
681	Door & Ironmongery	45 days	Sun 17/4/22	Tue 31/5/22	0%
682	Signage incl. Interactive Directory	60 days	Sat 2/4/22	Tue 31/5/22	0%
683	**M&E**	280 days	Wed 25/8/21	Tue 31/5/22	96%
684	Survey	21 days	Wed 25/8/21	Tue 14/9/21	100%
685	ACMV Installation	250 days	Wed 15/9/21	Sun 22/5/22	90%
686	Electrical Installation	250 days	Wed 15/9/21	Sun 22/5/22	90%
687	Replacement of New Meter Panel	14 days	Fri 15/10/21	Thu 28/10/21	100%
688	New HT Cable	21 days	Mon 18/10/21	Sun 7/11/21	100%



Task	External Tasks	Duration-only	External Tasks		
Split	External Milestone	Manual Summary Rollup	External Milestone		
Milestone	Inactive Milestone	Manual Summary	Progress		
Summary	Inactive Summary	Start-only	Deadline		
Project Summary	Manual Task	Finish-only			

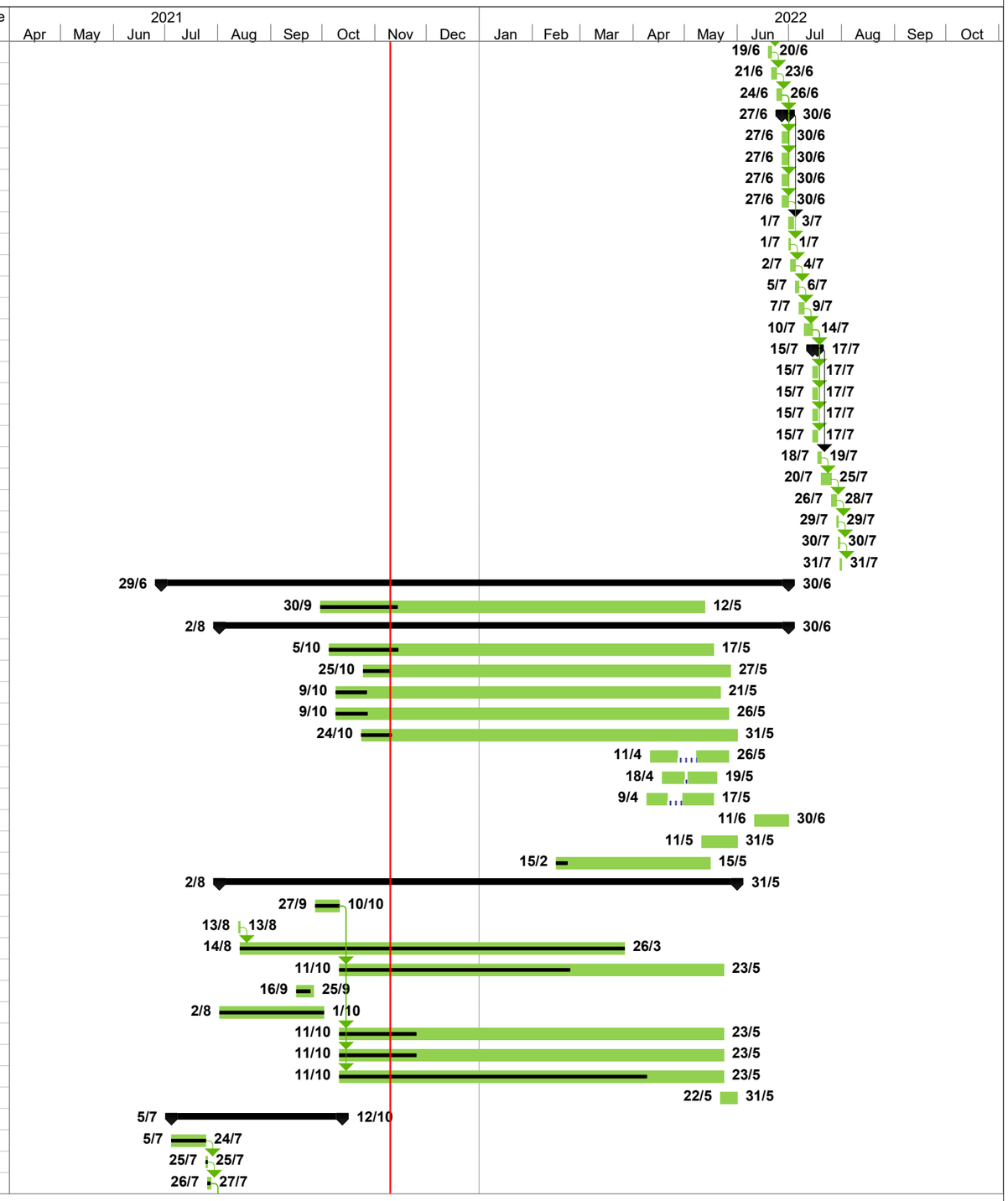
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
689	Fire Protection Installation	250 days	Wed 15/9/21	Sun 22/5/22	100%
690	BMS Installation	250 days	Wed 15/9/21	Sun 22/5/22	100%
691	ESCS Installation	250 days	Wed 15/9/21	Sun 22/5/22	100%
692	T&C	15 days	Tue 17/5/22	Tue 31/5/22	90%
693	**Lift Lobby (PL1/FL1)**	**74 days**	**Sat 19/3/22**	**Tue 31/5/22**	**0%**
694	Demolition	15 days	Sat 19/3/22	Sat 2/4/22	0%
695	Plaster Ceiling	15 days	Mon 4/4/22	Fri 13/5/22	0%
696	Alum Ceiling	12 days	Fri 6/5/22	Tue 17/5/22	0%
697	Screeding	10 days	Mon 18/4/22	Wed 27/4/22	0%
698	Tiling	10 days	Wed 27/4/22	Fri 6/5/22	0%
699	Floor trimming Insert	5 days	Thu 5/5/22	Mon 9/5/22	0%
700	ID Wall Panelling	14 days	Mon 16/5/22	Sun 29/5/22	0%
701	Skirting	4 days	Sat 28/5/22	Tue 31/5/22	0%
702	Signage Panel	4 days	Sat 28/5/22	Tue 31/5/22	0%
703	**M&E**	59 days	Sun 3/4/22	Tue 31/5/22	0%
704	Survey	4 days	Sun 3/4/22	Wed 6/4/22	0%
705	ACMV Installation	25 days	Thu 7/4/22	Sat 21/5/22	0%
706	Electrical Installation	25 days	Thu 7/4/22	Sat 21/5/22	0%
707	Fire Protection Installation	25 days	Thu 7/4/22	Sat 21/5/22	0%
708	BMS Installation	25 days	Thu 7/4/22	Sat 21/5/22	0%
709	T&C	10 days	Sun 22/5/22	Tue 31/5/22	0%
710	**Lift Lobby (PL2/FL2)**	**69 days**	**Mon 3/1/22**	**Sat 12/3/22**	**0%**
711	Demolition	15 days	Mon 3/1/22	Mon 17/1/22	0%
712	Plaster Ceiling	10 days	Mon 17/1/22	Sun 20/2/22	0%
713	Alum Ceiling	10 days	Sat 19/2/22	Mon 28/2/22	0%
714	Screeding	10 days	Fri 11/2/22	Sun 20/2/22	0%
715	Tiling	12 days	Mon 14/2/22	Fri 25/2/22	0%
716	Floor trimming Insert	5 days	Thu 17/2/22	Mon 21/2/22	0%
717	ID Wall Panelling	18 days	Wed 23/2/22	Sat 12/3/22	0%
718	Skirting	4 days	Fri 4/3/22	Mon 7/3/22	0%
719	Signage Panel	3 days	Tue 8/3/22	Thu 10/3/22	0%
720	**M&E**	52 days	Tue 18/1/22	Thu 10/3/22	0%
721	Survey	4 days	Tue 18/1/22	Fri 21/1/22	0%
722	ACMV Installation	28 days	Sat 22/1/22	Sat 5/3/22	0%
723	Electrical Installation	28 days	Sat 22/1/22	Sat 5/3/22	0%
724	Fire Protection Installation	28 days	Sat 22/1/22	Sat 5/3/22	0%
725	BMS Installation	28 days	Sat 22/1/22	Sat 5/3/22	0%
726	T&C	5 days	Sun 6/3/22	Thu 10/3/22	0%
727	**Toilet - New Toilet**	**96 days**	**Wed 27/4/22**	**Sun 31/7/22**	**0%**
728	Isolate existing M&E services & Demolition work	20 days	Wed 27/4/22	Mon 16/5/22	0%
729	Setting Out	1 day	Tue 17/5/22	Tue 17/5/22	0%
730	Wall Erection	3 days	Wed 18/5/22	Fri 20/5/22	0%
731	**M&E 1st Fix Installation**	**4 days**	**Sat 21/5/22**	**Tue 24/5/22**	**0%**
732	Electrical System	4 days	Sat 21/5/22	Tue 24/5/22	0%
733	MV System	4 days	Sat 21/5/22	Tue 24/5/22	0%
734	S&P System	4 days	Sat 21/5/22	Tue 24/5/22	0%
735	FA & Sprinkler system	4 days	Sat 21/5/22	Tue 24/5/22	0%
736	Waterproofing & Test	3 days	Wed 25/5/22	Fri 27/5/22	0%
737	Screeding	3 days	Sat 28/5/22	Mon 30/5/22	0%
738	Internal Low Wall Erection	2 days	Tue 31/5/22	Wed 1/6/22	0%
739	Plastering	4 days	Thu 2/6/22	Sun 5/6/22	0%
740	Wall Tiles	7 days	Mon 6/6/22	Sun 12/6/22	0%
741	Floor Tiles	5 days	Mon 13/6/22	Fri 17/6/22	0%
742	Door Frame	1 day	Sat 18/6/22	Sat 18/6/22	0%



Task	External Tasks	Duration-only	External Tasks		
Split	External Milestone	Manual Summary Rollup	External Milestone		
Milestone	Inactive Milestone	Manual Summary	Progress		
Summary	Inactive Summary	Start-only	Deadline		
Project Summary	Manual Task	Finish-only			

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

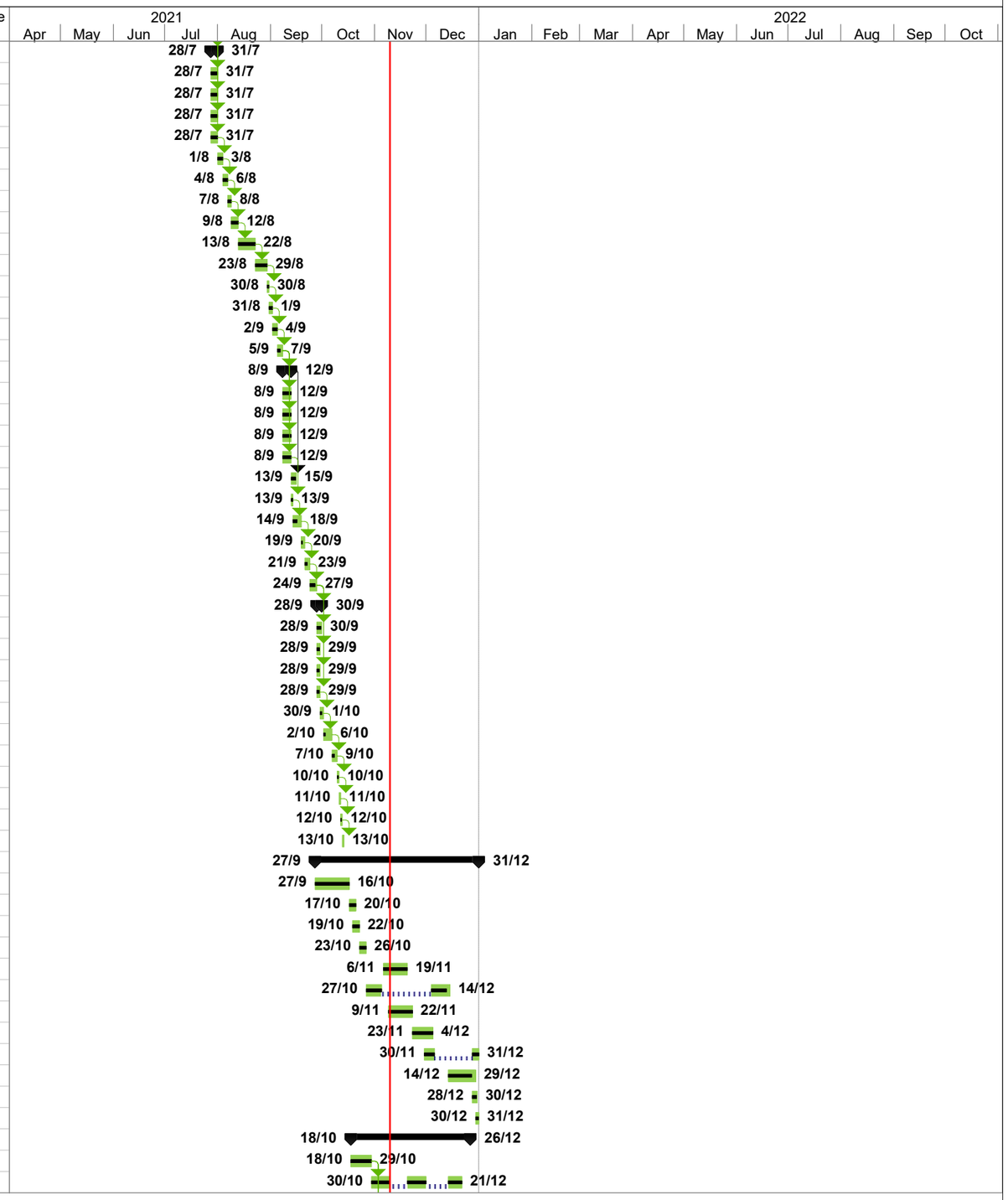
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
743	Vanity Counter Framework	2 days	Sun 19/6/22	Mon 20/6/22	0%
744	Cubical Framework	3 days	Tue 21/6/22	Thu 23/6/22	0%
745	Ceiling Frame	3 days	Fri 24/6/22	Sun 26/6/22	0%
746	**M&E 2nd Fix Installation**	**4 days**	**Mon 27/6/22**	**Thu 30/6/22**	**0%**
747	Electrical System	4 days	Mon 27/6/22	Thu 30/6/22	0%
748	MV System	4 days	Mon 27/6/22	Thu 30/6/22	0%
749	S&P System	4 days	Mon 27/6/22	Thu 30/6/22	0%
750	FA & Sprinkler system	4 days	Mon 27/6/22	Thu 30/6/22	0%
751	T&C - Pressure testing, meggering test & etc	3 days	Fri 1/7/22	Sun 3/7/22	0%
752	Door Panel	1 day	Fri 1/7/22	Fri 1/7/22	0%
753	Ceiling Closure & Plastering	3 days	Sat 2/7/22	Mon 4/7/22	0%
754	Painting	2 days	Tue 5/7/22	Wed 6/7/22	0%
755	Vanity Counter	3 days	Thu 7/7/22	Sat 9/7/22	0%
756	Joinery Work	5 days	Sun 10/7/22	Thu 14/7/22	0%
757	**M&E Final Fix Installation**	**3 days**	**Fri 15/7/22**	**Sun 17/7/22**	**0%**
758	Electrical System	3 days	Fri 15/7/22	Sun 17/7/22	0%
759	MV System	3 days	Fri 15/7/22	Sun 17/7/22	0%
760	S&P System	3 days	Fri 15/7/22	Sun 17/7/22	0%
761	FA & Sprinkler system	3 days	Fri 15/7/22	Sun 17/7/22	0%
762	M&E T&C	2 days	Mon 18/7/22	Tue 19/7/22	0%
763	Toilet Cubical	6 days	Wed 20/7/22	Mon 25/7/22	0%
764	Sanitary Wares	3 days	Tue 26/7/22	Thu 28/7/22	0%
765	Ironmongery	1 day	Fri 29/7/22	Fri 29/7/22	0%
766	Signages	1 day	Sat 30/7/22	Sat 30/7/22	0%
767	Final Paint	1 day	Sun 31/7/22	Sun 31/7/22	0%
768	**Level 1**	**367 days**	**Tue 29/6/21**	**Thu 30/6/22**	**29%**
769	Demolition	225 days	Thu 30/9/21	Thu 12/5/22	20%
770	**Common Corridor**	**333 days**	**Mon 2/8/21**	**Thu 30/6/22**	**32%**
771	Plaster Ceiling	225 days	Tue 5/10/21	Tue 17/5/22	18%
772	Alum Ceiling	215 days	Mon 25/10/21	Fri 27/5/22	7%
773	Screeding	225 days	Sat 9/10/21	Sat 21/5/22	8%
774	Tiling	230 days	Sat 9/10/21	Thu 26/5/22	8%
775	Floor Trimming Insert	220 days	Sun 24/10/21	Tue 31/5/22	8%
776	Modification of Existing Shutter	35 days	Mon 11/4/22	Thu 26/5/22	0%
777	2Hr Roller Shutter	30 days	Mon 18/4/22	Thu 19/5/22	0%
778	2 Hr FR Glass Door	30 days	Sat 9/4/22	Tue 17/5/22	0%
779	Entrance Floor Mat	20 days	Sat 11/6/22	Thu 30/6/22	0%
780	Signage incl. Interactive Directory	21 days	Wed 11/5/22	Tue 31/5/22	0%
781	Make Good Railing	90 days	Tue 15/2/22	Sun 15/5/22	7%
782	**M&E**	303 days	Mon 2/8/21	Tue 31/5/22	58%
783	Removal & Relocation	14 days	Mon 27/9/21	Sun 10/10/21	100%
784	Shut down Gas for new valve modification	1 day	Fri 13/8/21	Fri 13/8/21	0%
785	ACMV Installation	225 days	Sat 14/8/21	Sat 26/3/22	100%
786	Electrical Installation	225 days	Mon 11/10/21	Mon 23/5/22	60%
787	Replacement of New Meter Panel	10 days	Thu 16/9/21	Sat 25/9/21	80%
788	Gas Pipe Installation	61 days	Mon 2/8/21	Fri 1/10/21	100%
789	Fire Protection Installation	225 days	Mon 11/10/21	Mon 23/5/22	20%
790	BMS Installation	225 days	Mon 11/10/21	Mon 23/5/22	20%
791	ESCS Installation	225 days	Mon 11/10/21	Mon 23/5/22	80%
792	T&C	10 days	Sun 22/5/22	Tue 31/5/22	0%
793	**Toilet - New Toilet**	**100 days**	**Mon 5/7/21**	**Tue 12/10/21**	**86%**
794	Isolate existing M&E services & Demolition work	20 days	Mon 5/7/21	Sat 24/7/21	100%
795	Setting Out	1 day	Sun 25/7/21	Sun 25/7/21	100%
796	Wall Erection	2 days	Mon 26/7/21	Tue 27/7/21	75%



Task	External Tasks	Duration-only	External Tasks
Split	External Milestone	Manual Summary Rollup	External Milestone
Milestone	Inactive Milestone	Manual Summary	Progress
Summary	Inactive Summary	Start-only	Deadline
Project Summary	Manual Task	Finish-only	

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

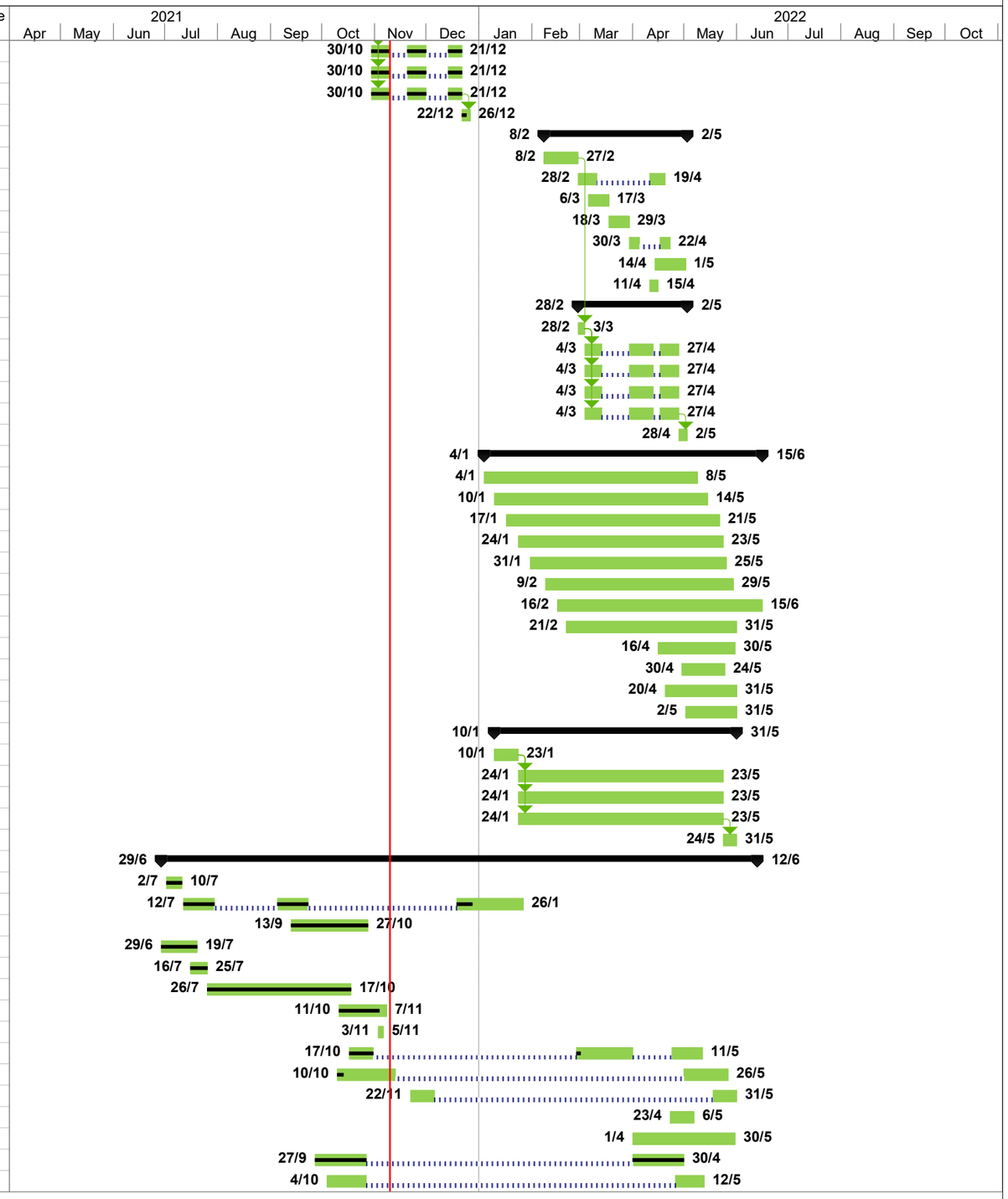
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
797	**M&E 1st Fix Installation**	**4 days**	**Wed 28/7/21**	**Sat 31/7/21**	**100%**
798	Electrical System	4 days	Wed 28/7/21	Sat 31/7/21	100%
799	MV System	4 days	Wed 28/7/21	Sat 31/7/21	100%
800	S&P System	4 days	Wed 28/7/21	Sat 31/7/21	100%
801	FA & Sprinkler system	4 days	Wed 28/7/21	Sat 31/7/21	100%
802	Waterproofing & Test	3 days	Sun 1/8/21	Tue 3/8/21	100%
803	Screeding	3 days	Wed 4/8/21	Fri 6/8/21	100%
804	Internal Low Wall Erection	2 days	Sat 7/8/21	Sun 8/8/21	100%
805	Plastering	4 days	Mon 9/8/21	Thu 12/8/21	100%
806	Wall Tiles	10 days	Fri 13/8/21	Sun 22/8/21	100%
807	Floor Tiles	7 days	Mon 23/8/21	Sun 29/8/21	100%
808	Door Frame	1 day	Mon 30/8/21	Mon 30/8/21	100%
809	Vanity Counter Framework	2 days	Tue 31/8/21	Wed 1/9/21	100%
810	Cubical Framework	3 days	Thu 2/9/21	Sat 4/9/21	100%
811	Ceiling Frame	3 days	Sun 5/9/21	Tue 7/9/21	65%
812	**M&E 2nd Fix Installation**	**5 days**	**Wed 8/9/21**	**Sun 12/9/21**	**100%**
813	Electrical System	5 days	Wed 8/9/21	Sun 12/9/21	100%
814	MV System	5 days	Wed 8/9/21	Sun 12/9/21	100%
815	S&P System	5 days	Wed 8/9/21	Sun 12/9/21	100%
816	FA & Sprinkler system	5 days	Wed 8/9/21	Sun 12/9/21	100%
817	T&C - Pressure testing, meggering test & etc	3 days	Mon 13/9/21	Wed 15/9/21	90%
818	Door Panel	1 day	Mon 13/9/21	Mon 13/9/21	100%
819	Ceiling Closure & Plastering	5 days	Tue 14/9/21	Sat 18/9/21	45%
820	Painting	2 days	Sun 19/9/21	Mon 20/9/21	40%
821	Vanity Counter	3 days	Tue 21/9/21	Thu 23/9/21	50%
822	Joinery Work	4 days	Fri 24/9/21	Mon 27/9/21	75%
823	**M&E Final Fix Installation**	**3 days**	**Tue 28/9/21**	**Thu 30/9/21**	**72%**
824	Electrical System	3 days	Tue 28/9/21	Thu 30/9/21	80%
825	MV System	2 days	Tue 28/9/21	Wed 29/9/21	85%
826	S&P System	2 days	Tue 28/9/21	Wed 29/9/21	60%
827	FA & Sprinkler system	2 days	Tue 28/9/21	Wed 29/9/21	60%
828	M&E T&C	2 days	Thu 30/9/21	Fri 1/10/21	50%
829	Toilet Cubical	5 days	Sat 2/10/21	Wed 6/10/21	20%
830	Sanitary Wares	3 days	Thu 7/10/21	Sat 9/10/21	40%
831	Ironmongery	1 day	Sun 10/10/21	Sun 10/10/21	90%
832	Signages	1 day	Mon 11/10/21	Mon 11/10/21	0%
833	Final Paint	1 day	Tue 12/10/21	Tue 12/10/21	40%
834	Site Staff Handover Inspection	1 day	Wed 13/10/21	Wed 13/10/21	0%
835	**Lift Lobby (PL1/FL1)**	**96 days**	**Mon 27/9/21**	**Fri 31/12/21**	**97%**
836	Demolition	20 days	Mon 27/9/21	Sat 16/10/21	100%
837	Brickwork	4 days	Sun 17/10/21	Wed 20/10/21	100%
838	Plastering	4 days	Tue 19/10/21	Fri 22/10/21	100%
839	Skimcoating	4 days	Sat 23/10/21	Tue 26/10/21	100%
840	Make Good Archi Finish	14 days	Sat 6/11/21	Fri 19/11/21	100%
841	Ceiling	20 days	Wed 27/10/21	Tue 14/12/21	90%
842	Screeding	14 days	Tue 9/11/21	Mon 22/11/21	100%
843	Tiling	12 days	Tue 23/11/21	Sat 4/12/21	100%
844	Painting	10 days	Tue 30/11/21	Fri 31/12/21	100%
845	ID Wall Panelling	16 days	Tue 14/12/21	Wed 29/12/21	85%
846	Skirting	3 days	Tue 28/12/21	Thu 30/12/21	90%
847	Signage	2 days	Thu 30/12/21	Fri 31/12/21	95%
848	**M&E**	70 days	Mon 18/10/21	Sun 26/12/21	98%
849	Relocate & Removal	12 days	Mon 18/10/21	Fri 29/10/21	100%
850	ACMV Installation	30 days	Sat 30/10/21	Tue 21/12/21	100%



Task	External Tasks	Duration-only	External Tasks		
Split	External Milestone	Manual Summary Rollup	External Milestone		
Milestone	Inactive Milestone	Manual Summary	Progress		
Summary	Inactive Summary	Start-only	Deadline		
Project Summary	Manual Task	Finish-only			

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

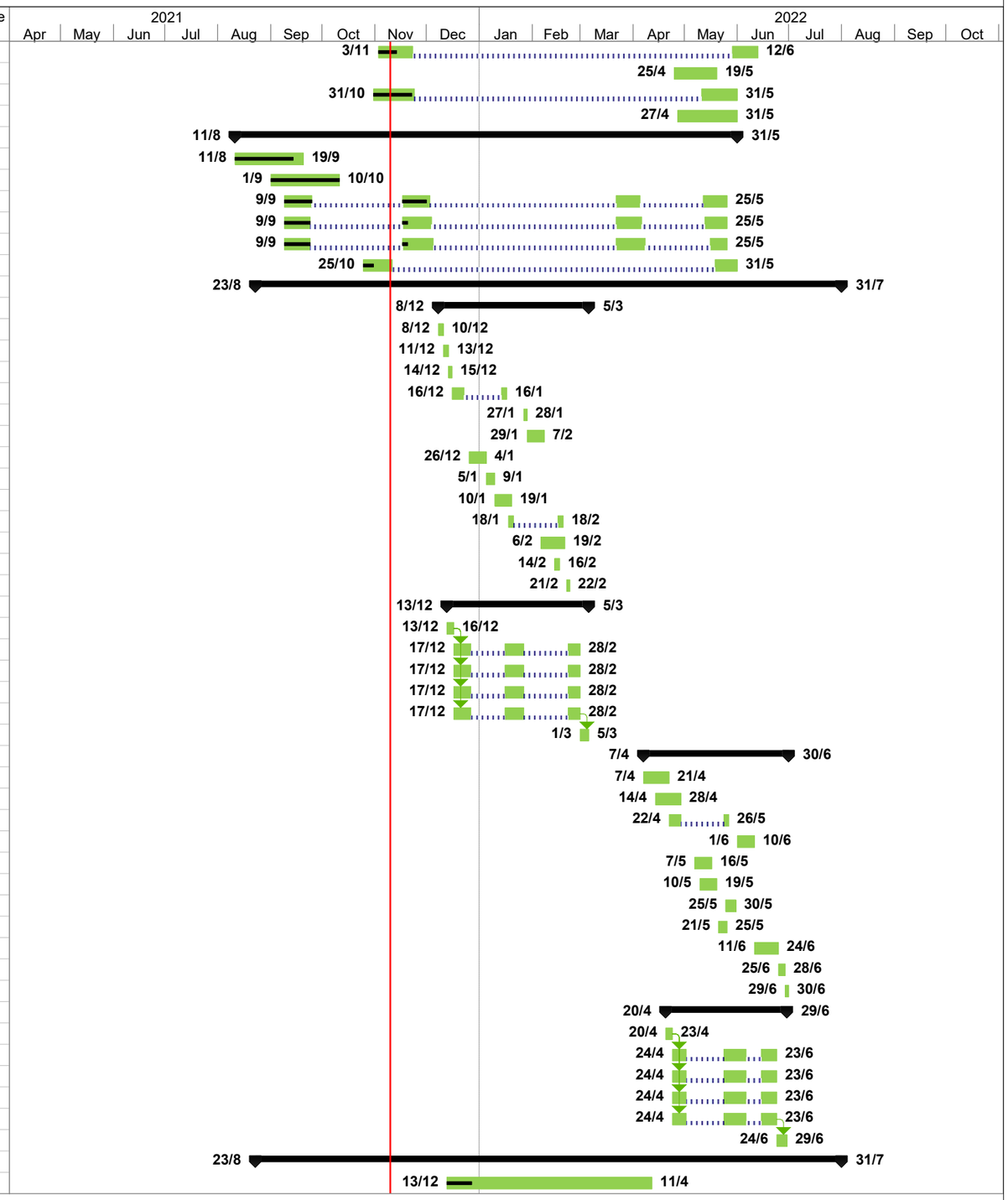
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
851	Electrical Installation	30 days	Sat 30/10/21	Tue 21/12/21	100%
852	Fire Protection Installation	30 days	Sat 30/10/21	Tue 21/12/21	100%
853	BMS Installation	30 days	Sat 30/10/21	Tue 21/12/21	100%
854	T&C	5 days	Wed 22/12/21	Sun 26/12/21	50%
855	**Lift Lobby (PL2/FL2)**	**84 days**	**Tue 8/2/22**	**Mon 2/5/22**	**0%**
856	Demolition	20 days	Tue 8/2/22	Sun 27/2/22	0%
857	Ceiling	20 days	Mon 28/2/22	Tue 19/4/22	0%
858	Screeding	12 days	Sun 6/3/22	Thu 17/3/22	0%
859	Tiling	12 days	Fri 18/3/22	Tue 29/3/22	0%
860	Painting	12 days	Wed 30/3/22	Fri 22/4/22	0%
861	ID Wall Panelling	18 days	Thu 14/4/22	Sun 1/5/22	0%
862	Skirting	5 days	Mon 11/4/22	Fri 15/4/22	0%
863	**M&E**	64 days	Mon 28/2/22	Mon 2/5/22	0%
864	Survey	4 days	Mon 28/2/22	Thu 3/3/22	0%
865	ACMV Installation	35 days	Fri 4/3/22	Wed 27/4/22	0%
866	Electrical Installation	35 days	Fri 4/3/22	Wed 27/4/22	0%
867	Fire Protection Installation	35 days	Fri 4/3/22	Wed 27/4/22	0%
868	BMS Installation	35 days	Fri 4/3/22	Wed 27/4/22	0%
869	T&C	5 days	Thu 28/4/22	Mon 2/5/22	0%
870	**External Walkway**	**163 days**	**Tue 4/1/22**	**Wed 15/6/22**	**0%**
871	Demolition	125 days	Tue 4/1/22	Sun 8/5/22	0%
872	Brickwork	125 days	Mon 10/1/22	Sat 14/5/22	0%
873	Ceiling	125 days	Mon 17/1/22	Sat 21/5/22	0%
874	Plastering	120 days	Mon 24/1/22	Mon 23/5/22	0%
875	Skimcoating	115 days	Mon 31/1/22	Wed 25/5/22	0%
876	Plaster Ceiling Cove	110 days	Wed 9/2/22	Sun 29/5/22	0%
877	Painting	120 days	Wed 16/2/22	Wed 15/6/22	0%
878	Alum Capping	100 days	Mon 21/2/22	Tue 31/5/22	0%
879	Column Cladding	45 days	Sat 16/4/22	Mon 30/5/22	0%
880	Auto Glass Sliding Door	25 days	Sat 30/4/22	Tue 24/5/22	0%
881	Alumn Panel at Entrance Portal & Ceiling	42 days	Wed 20/4/22	Tue 31/5/22	0%
882	Bicycle Lots	30 days	Mon 2/5/22	Tue 31/5/22	0%
883	**M&E**	142 days	Mon 10/1/22	Tue 31/5/22	0%
884	Survey	14 days	Mon 10/1/22	Sun 23/1/22	0%
885	Electrical Installation	120 days	Mon 24/1/22	Mon 23/5/22	0%
886	Fire Protection Installation	120 days	Mon 24/1/22	Mon 23/5/22	0%
887	BMS Installation	120 days	Mon 24/1/22	Mon 23/5/22	0%
888	T&C	8 days	Tue 24/5/22	Tue 31/5/22	0%
889	**Pedestrian Mall**	**349 days**	**Tue 29/6/21**	**Sun 12/6/22**	**47%**
890	Hoarding	9 days	Fri 2/7/21	Sat 10/7/21	100%
891	Demolition	75 days	Mon 12/7/21	Wed 26/1/22	60%
892	New Cut off Drain	45 days	Mon 13/9/21	Wed 27/10/21	100%
893	Floor Barrier Shop Drawing Submission	21 days	Tue 29/6/21	Mon 19/7/21	100%
894	Floor Barrier Shop Drawing Approval	10 days	Fri 16/7/21	Sun 25/7/21	100%
895	Flood Barrier Fabrication	84 days	Mon 26/7/21	Sun 17/10/21	100%
896	Flip up Flood Gate Installation	28 days	Mon 11/10/21	Sun 7/11/21	85%
897	Flood Barrier T&C	3 days	Wed 3/11/21	Fri 5/11/21	0%
898	Calcum Silicate Ceiling	65 days	Sun 17/10/21	Wed 11/5/22	25%
899	Alum Ceiling	60 days	Sun 10/10/21	Thu 26/5/22	6%
900	Wall Mount Lighting	28 days	Mon 22/11/21	Tue 31/5/22	0%
901	Outdoor Ceiling Fan	14 days	Sat 23/4/22	Fri 6/5/22	0%
902	Existing Metal Louvre Make Good	60 days	Fri 1/4/22	Mon 30/5/22	0%
903	Fixed Tempered Laminated Glass Panels	60 days	Mon 27/9/21	Sat 30/4/22	100%
904	Screen Wall	40 days	Mon 4/10/21	Thu 12/5/22	0%



Task	External Tasks	Duration-only	External Tasks
Split	External Milestone	Manual Summary Rollup	External Milestone
Milestone	Inactive Milestone	Manual Summary	Progress
Summary	Inactive Summary	Start-only	Deadline
Project Summary	Manual Task	Finish-only	

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

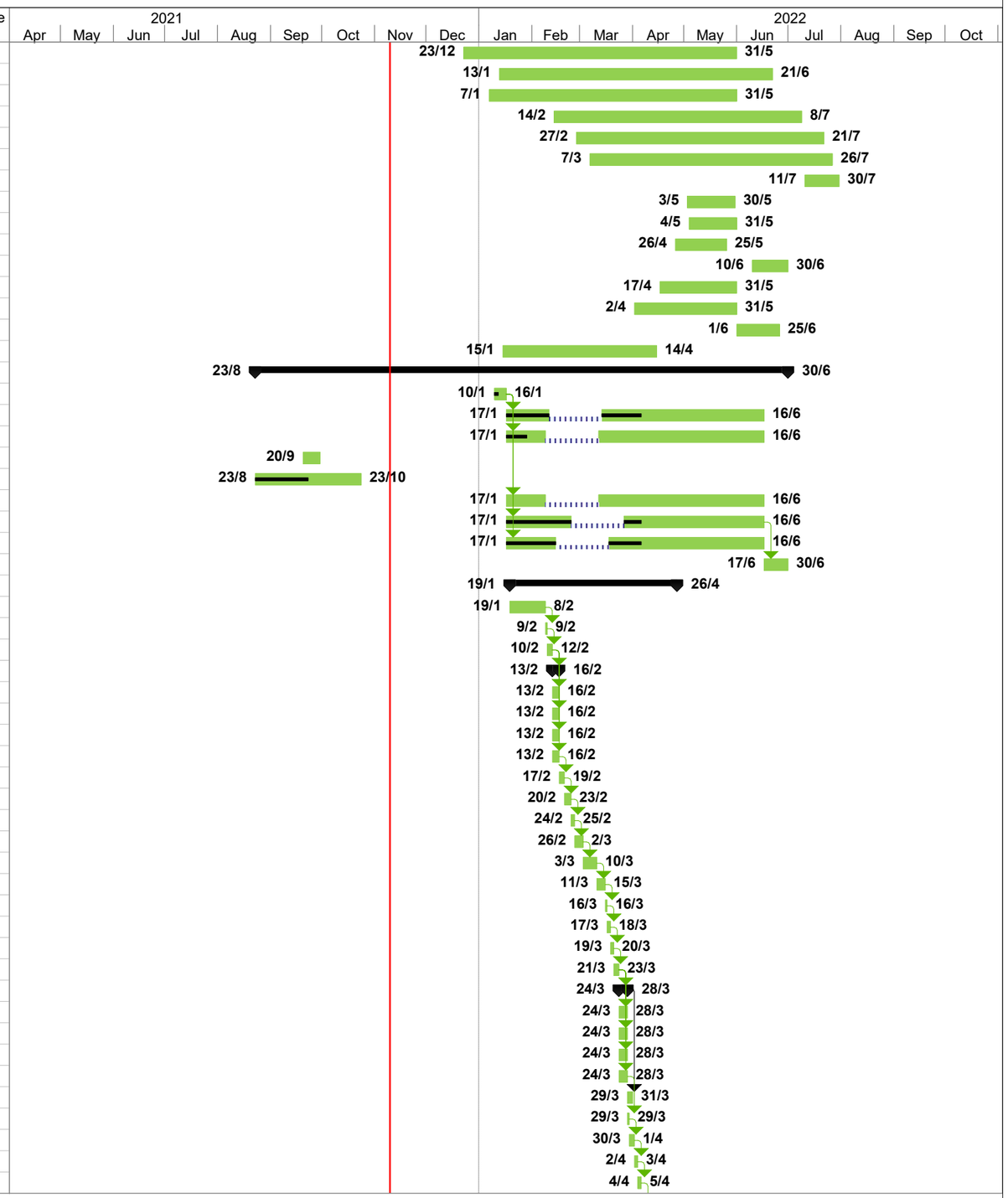
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
905	Painting	35 days	Wed 3/11/21	Sun 12/6/22	30%
906	Corbel	25 days	Mon 25/4/22	Thu 19/5/22	0%
907	Fluorocarbon Aluminium Work	45 days	Sun 31/10/21	Tue 31/5/22	50%
908	Floor Finish Make Good	35 days	Wed 27/4/22	Tue 31/5/22	0%
909	**M&E**	294 days	Wed 11/8/21	Tue 31/5/22	50%
910	Removal & Relocation	40 days	Wed 11/8/21	Sun 19/9/21	85%
911	S&P Installation	40 days	Wed 1/9/21	Sun 10/10/21	100%
912	Electrical Installation	60 days	Thu 9/9/21	Wed 25/5/22	50%
913	Fire Protection Installation	60 days	Thu 9/9/21	Wed 25/5/22	30%
914	BMS Installation	60 days	Thu 9/9/21	Wed 25/5/22	30%
915	T&C	30 days	Mon 25/10/21	Tue 31/5/22	20%
916	**Level 2**	**343 days**	**Mon 23/8/21**	**Sun 31/7/22**	**7%**
917	**Lift Lobby (PL1/FL1)**	**88 days**	**Wed 8/12/21**	**Sat 5/3/22**	**0%**
918	Demolition	3 days	Wed 8/12/21	Fri 10/12/21	0%
919	Plastering	3 days	Sat 11/12/21	Mon 13/12/21	0%
920	Skimcoating	2 days	Tue 14/12/21	Wed 15/12/21	0%
921	Plaster Ceiling	10 days	Thu 16/12/21	Sun 16/1/22	0%
922	Black Spray Paint	2 days	Thu 27/1/22	Fri 28/1/22	0%
923	Alum Ceiling	10 days	Sat 29/1/22	Mon 7/2/22	0%
924	Screeding	10 days	Sun 26/12/21	Tue 4/1/22	0%
925	Floor trimming Insert	5 days	Wed 5/1/22	Sun 9/1/22	0%
926	Tiling	10 days	Mon 10/1/22	Wed 19/1/22	0%
927	Painting	6 days	Tue 18/1/22	Fri 18/2/22	0%
928	ID Wall Panelling	14 days	Sun 6/2/22	Sat 19/2/22	0%
929	Skirting	3 days	Mon 14/2/22	Wed 16/2/22	0%
930	Signage Panel	2 days	Mon 21/2/22	Tue 22/2/22	0%
931	**M&E**	83 days	Mon 13/12/21	Sat 5/3/22	0%
932	Survey	4 days	Mon 13/12/21	Thu 16/12/21	0%
933	ACMV Installation	28 days	Fri 17/12/21	Mon 28/2/22	0%
934	Electrical Installation	28 days	Fri 17/12/21	Mon 28/2/22	0%
935	Fire Protection Installation	28 days	Fri 17/12/21	Mon 28/2/22	0%
936	BMS Installation	28 days	Fri 17/12/21	Mon 28/2/22	0%
937	T&C	5 days	Tue 1/3/22	Sat 5/3/22	0%
938	**Lift Lobby (PL2/FL2)**	**85 days**	**Thu 7/4/22**	**Thu 30/6/22**	**0%**
939	Demolition	15 days	Thu 7/4/22	Thu 21/4/22	0%
940	M&E Services Removal / Relocation	15 days	Thu 14/4/22	Thu 28/4/22	0%
941	Plaster Ceiling	10 days	Fri 22/4/22	Thu 26/5/22	0%
942	Alum Ceiling	10 days	Wed 1/6/22	Fri 10/6/22	0%
943	Screeding	10 days	Sat 7/5/22	Mon 16/5/22	0%
944	Tiling	10 days	Tue 10/5/22	Thu 19/5/22	0%
945	Painting	6 days	Wed 25/5/22	Mon 30/5/22	0%
946	Floor trimming Insert	5 days	Sat 21/5/22	Wed 25/5/22	0%
947	ID Wall Panelling	14 days	Sat 11/6/22	Fri 24/6/22	0%
948	Skirting	4 days	Sat 25/6/22	Tue 28/6/22	0%
949	Signage Panel	2 days	Wed 29/6/22	Thu 30/6/22	0%
950	**M&E**	71 days	Wed 20/4/22	Wed 29/6/22	0%
951	Survey	4 days	Wed 20/4/22	Sat 23/4/22	0%
952	ACMV Installation	30 days	Sun 24/4/22	Thu 23/6/22	0%
953	Electrical Installation	30 days	Sun 24/4/22	Thu 23/6/22	0%
954	Fire Protection Installation	30 days	Sun 24/4/22	Thu 23/6/22	0%
955	BMS Installation	30 days	Sun 24/4/22	Thu 23/6/22	0%
956	T&C	6 days	Fri 24/6/22	Wed 29/6/22	0%
957	**Common Corridor**	**343 days**	**Mon 23/8/21**	**Sun 31/7/22**	**8%**
958	Demolition	120 days	Mon 13/12/21	Mon 11/4/22	12%



Task	External Tasks	Duration-only	External Tasks
Split	External Milestone	Manual Summary Rollup	External Milestone
Milestone	Inactive Milestone	Manual Summary	Progress
Summary	Inactive Summary	Start-only	Deadline
Project Summary	Manual Task	Finish-only	

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

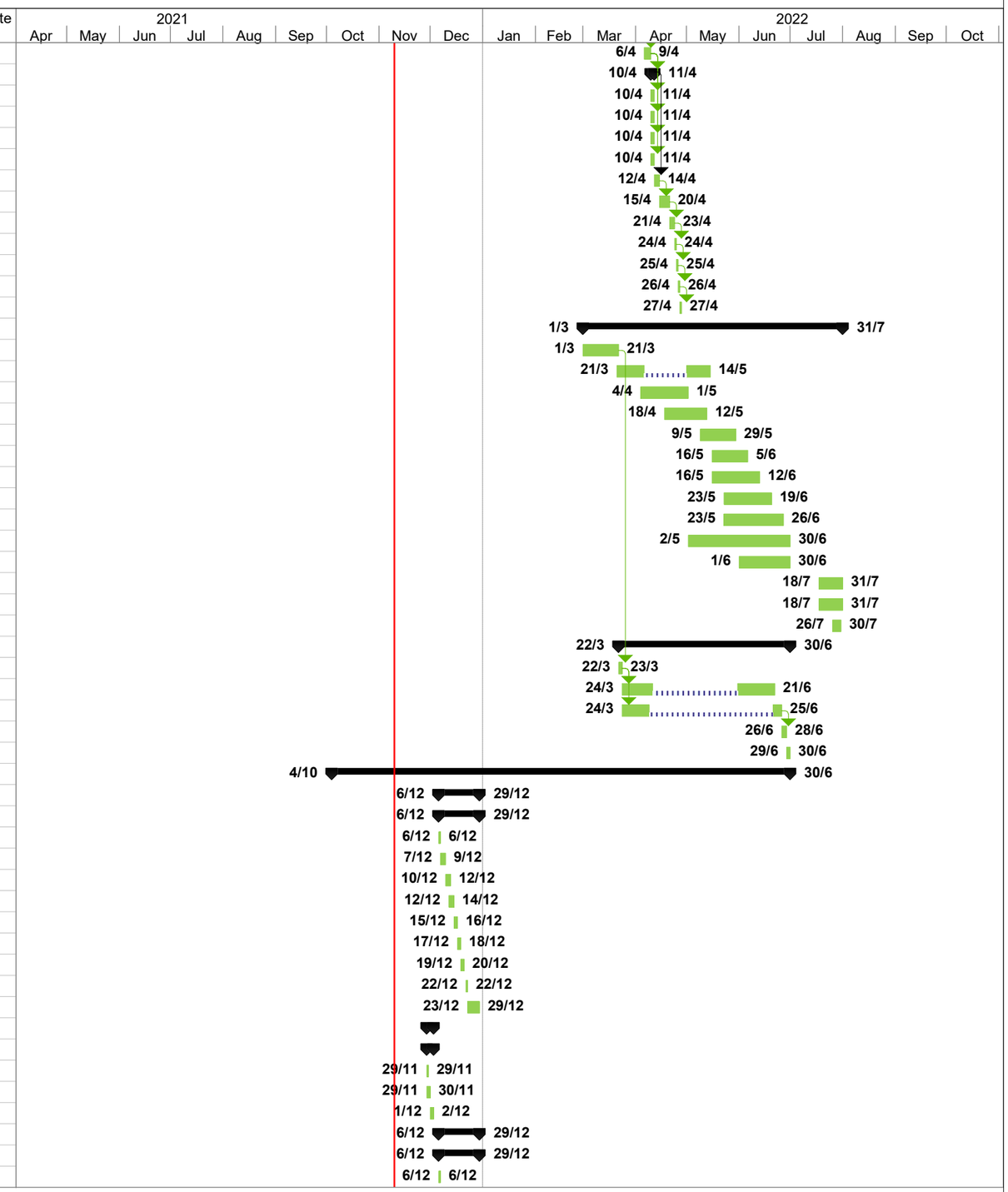
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
959	Plaster Ceiling	160 days	Thu 23/12/21	Tue 31/5/22	0%
960	Painting	160 days	Thu 13/1/22	Tue 21/6/22	0%
961	Alum Ceiling	145 days	Fri 7/1/22	Tue 31/5/22	0%
962	Screeding	145 days	Mon 14/2/22	Fri 8/7/22	0%
963	Tiling	145 days	Sun 27/2/22	Thu 21/7/22	0%
964	Floor trimming Insert	142 days	Mon 7/3/22	Tue 26/7/22	0%
965	Entrance Floor Mat	20 days	Mon 11/7/22	Sat 30/7/22	0%
966	2Hr FR Roller Shutter	28 days	Tue 3/5/22	Mon 30/5/22	0%
967	2Hr FR Glass Door	28 days	Wed 4/5/22	Tue 31/5/22	0%
968	Modification of Existing Shutter	30 days	Tue 26/4/22	Wed 25/5/22	0%
969	Auto Glass Sliding Door	21 days	Fri 10/6/22	Thu 30/6/22	0%
970	Door & Ironmongery	45 days	Sun 17/4/22	Tue 31/5/22	0%
971	Alum Cladding	60 days	Sat 2/4/22	Tue 31/5/22	0%
972	Signage incl. Interactive Directory	25 days	Wed 1/6/22	Sat 25/6/22	0%
973	Make Good Railing	90 days	Sat 15/1/22	Thu 14/4/22	0%
974	**M&E**	312 days	Mon 23/8/21	Thu 30/6/22	27%
975	Survey	7 days	Mon 10/1/22	Sun 16/1/22	30%
976	ACMV Installation	120 days	Mon 17/1/22	Thu 16/6/22	40%
977	Electrical Installation	120 days	Mon 17/1/22	Thu 16/6/22	10%
978	Replacement of New Meter Panel	10 days	Mon 20/9/21	Wed 29/9/21	0%
979	Gas Pipe Installation	62 days	Mon 23/8/21	Sat 23/10/21	50%
980	Fire Protection Installation	120 days	Mon 17/1/22	Thu 16/6/22	0%
981	BMS Installation	120 days	Mon 17/1/22	Thu 16/6/22	40%
982	ESCS Installation	120 days	Mon 17/1/22	Thu 16/6/22	40%
983	T&C	14 days	Fri 17/6/22	Thu 30/6/22	0%
984	**Toilet - New Toilet**	**98 days**	**Wed 19/1/22**	**Tue 26/4/22**	**0%**
985	Isolate existing M&E services & Demolition work	21 days	Wed 19/1/22	Tue 8/2/22	0%
986	Setting Out	1 day	Wed 9/2/22	Wed 9/2/22	0%
987	Wall Erection	3 days	Thu 10/2/22	Sat 12/2/22	0%
988	**M&E 1st Fix Installation**	**4 days**	**Sun 13/2/22**	**Wed 16/2/22**	**0%**
989	Electrical System	4 days	Sun 13/2/22	Wed 16/2/22	0%
990	MV System	4 days	Sun 13/2/22	Wed 16/2/22	0%
991	S&P System	4 days	Sun 13/2/22	Wed 16/2/22	0%
992	FA & Sprinkler system	4 days	Sun 13/2/22	Wed 16/2/22	0%
993	Waterproofing & Test	3 days	Thu 17/2/22	Sat 19/2/22	0%
994	Screeding	4 days	Sun 20/2/22	Wed 23/2/22	0%
995	Internal Low Wall Erection	2 days	Thu 24/2/22	Fri 25/2/22	0%
996	Plastering	5 days	Sat 26/2/22	Wed 2/3/22	0%
997	Wall Tiles	8 days	Thu 3/3/22	Thu 10/3/22	0%
998	Floor Tiles	5 days	Fri 11/3/22	Tue 15/3/22	0%
999	Door Frame	1 day	Wed 16/3/22	Wed 16/3/22	0%
1000	Vanity Counter Framework	2 days	Thu 17/3/22	Fri 18/3/22	0%
1001	Cubical Framework	2 days	Sat 19/3/22	Sun 20/3/22	0%
1002	Ceiling Frame	3 days	Mon 21/3/22	Wed 23/3/22	0%
1003	**M&E 2nd Fix Installation**	**5 days**	**Thu 24/3/22**	**Mon 28/3/22**	**0%**
1004	Electrical System	5 days	Thu 24/3/22	Mon 28/3/22	0%
1005	MV System	5 days	Thu 24/3/22	Mon 28/3/22	0%
1006	S&P System	5 days	Thu 24/3/22	Mon 28/3/22	0%
1007	FA & Sprinkler system	5 days	Thu 24/3/22	Mon 28/3/22	0%
1008	T&C - Pressure testing, meggering test & etc	3 days	Tue 29/3/22	Thu 31/3/22	0%
1009	Door Panel	1 day	Tue 29/3/22	Tue 29/3/22	0%
1010	Ceiling Closure & Plastering	3 days	Wed 30/3/22	Fri 1/4/22	0%
1011	Painting	2 days	Sat 2/4/22	Sun 3/4/22	0%
1012	Vanity Counter	2 days	Mon 4/4/22	Tue 5/4/22	0%



Task	External Tasks	Duration-only	External Tasks		
Split	External Milestone	Manual Summary Rollup	External Milestone		
Milestone	Inactive Milestone	Manual Summary	Progress		
Summary	Inactive Summary	Start-only	Deadline		
Project Summary	Manual Task	Finish-only			

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

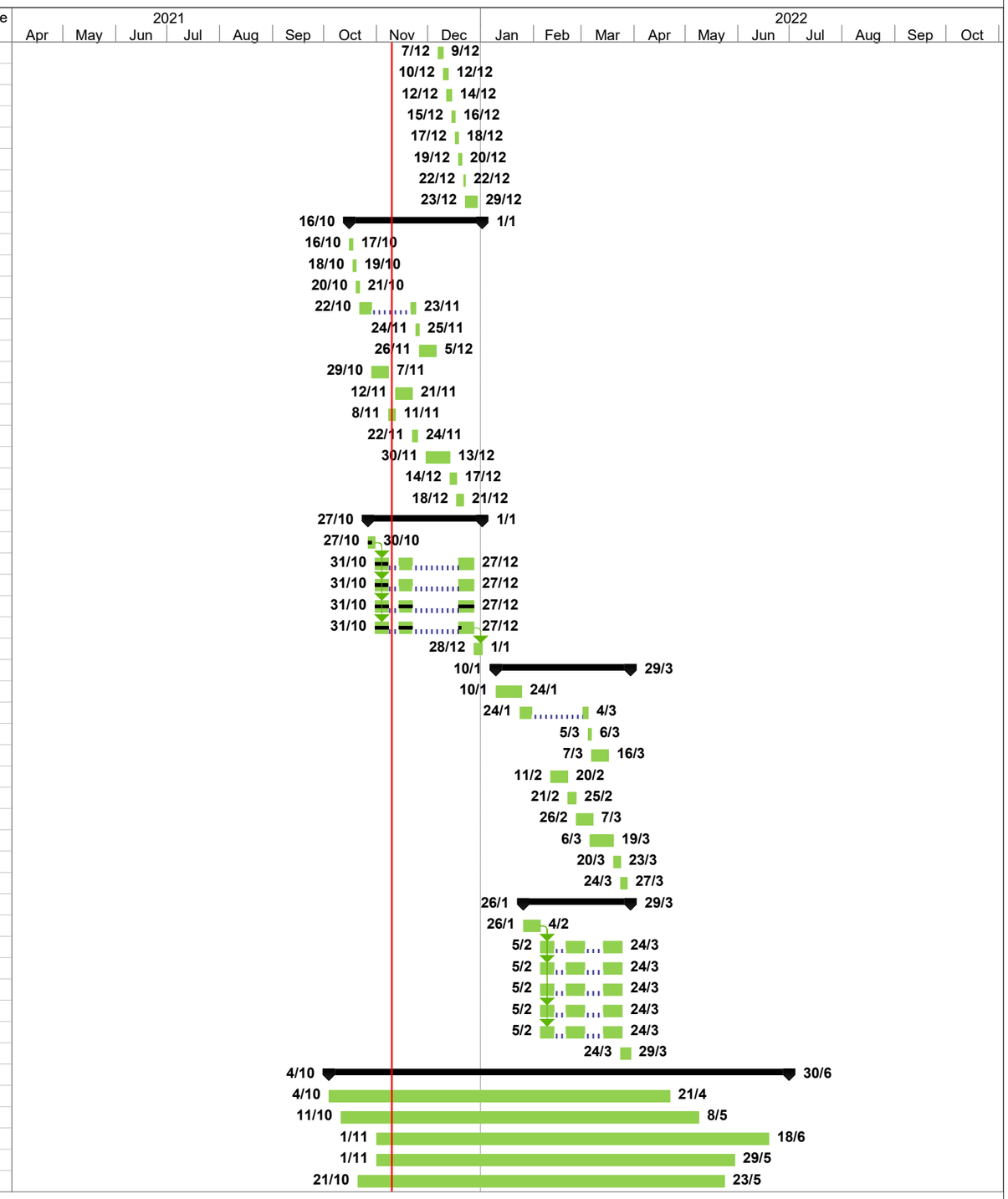
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
1013	Joinery Work	4 days	Wed 6/4/22	Sat 9/4/22	0%
1014	**M&E Final Fix Installation**	**2 days**	**Sun 10/4/22**	**Mon 11/4/22**	**0%**
1015	Electrical System	2 days	Sun 10/4/22	Mon 11/4/22	0%
1016	MV System	2 days	Sun 10/4/22	Mon 11/4/22	0%
1017	S&P System	2 days	Sun 10/4/22	Mon 11/4/22	0%
1018	FA & Sprinkler system	2 days	Sun 10/4/22	Mon 11/4/22	0%
1019	M&E T&C	3 days	Tue 12/4/22	Thu 14/4/22	0%
1020	Toilet Cubical	6 days	Fri 15/4/22	Wed 20/4/22	0%
1021	Sanitary Wares	3 days	Thu 21/4/22	Sat 23/4/22	0%
1022	Ironmongery	1 day	Sun 24/4/22	Sun 24/4/22	0%
1023	Signages	1 day	Mon 25/4/22	Mon 25/4/22	0%
1024	Final Paint	1 day	Tue 26/4/22	Tue 26/4/22	0%
1025	Site Staff Handover Inspection	1 day	Wed 27/4/22	Wed 27/4/22	0%
1026	**Tanglin - Main Entrance**	**153 days**	**Tue 1/3/22**	**Sun 31/7/22**	**0%**
1027	Demolition	21 days	Tue 1/3/22	Mon 21/3/22	0%
1028	Ceiling	30 days	Mon 21/3/22	Sat 14/5/22	0%
1029	Alum Cladding	28 days	Mon 4/4/22	Sun 1/5/22	0%
1030	Cove Light	25 days	Mon 18/4/22	Thu 12/5/22	0%
1031	Existing Mirror Panel Make Good	21 days	Mon 9/5/22	Sun 29/5/22	0%
1032	New Handrails	21 days	Mon 16/5/22	Sun 5/6/22	0%
1033	Screeding	28 days	Mon 16/5/22	Sun 12/6/22	0%
1034	Tiling	28 days	Mon 23/5/22	Sun 19/6/22	0%
1035	Existing Balustrade to Make Good	35 days	Mon 23/5/22	Sun 26/6/22	0%
1036	External Corridor Ceiling Make Good and Painting	60 days	Mon 2/5/22	Thu 30/6/22	0%
1037	Make Good & Cleaning of Existing Glass Panel	30 days	Wed 1/6/22	Thu 30/6/22	0%
1038	Entrance Floor Mat (Temporary Floor Matt for TOP)	14 days	Mon 18/7/22	Sun 31/7/22	0%
1039	Loose Furniture	14 days	Mon 18/7/22	Sun 31/7/22	0%
1040	Potted Plants	5 days	Tue 26/7/22	Sat 30/7/22	0%
1041	**M&E**	101 days	Tue 22/3/22	Thu 30/6/22	0%
1042	Survey	2 days	Tue 22/3/22	Wed 23/3/22	0%
1043	Electrical Installation	40 days	Thu 24/3/22	Tue 21/6/22	0%
1044	BMS Installation	21 days	Thu 24/3/22	Sat 25/6/22	0%
1045	T&C	3 days	Sun 26/6/22	Tue 28/6/22	0%
1046	Overall M&E Combine Testing	2 days	Wed 29/6/22	Thu 30/6/22	0%
1047	**Level 3**	**270 days**	**Mon 4/10/21**	**Thu 30/6/22**	**2%**
1048	**Level 3 - #03-101 (Silk Walk)**	**24 days**	**Mon 6/12/21**	**Wed 29/12/21**	**0%**
1049	**LIVE Tenant Area**	**24 days**	**Mon 6/12/21**	**Wed 29/12/21**	**0%**
1050	Hoarding	1 day	Mon 6/12/21	Mon 6/12/21	0%
1051	Demolition	3 days	Tue 7/12/21	Thu 9/12/21	0%
1052	Brickwork	3 days	Fri 10/12/21	Sun 12/12/21	0%
1053	Steel Framing	3 days	Sun 12/12/21	Tue 14/12/21	0%
1054	Plastering	2 days	Wed 15/12/21	Thu 16/12/21	0%
1055	Shop Front Glass	2 days	Fri 17/12/21	Sat 18/12/21	0%
1056	Painting	2 days	Sun 19/12/21	Mon 20/12/21	0%
1057	Hoarding Removal	1 day	Wed 22/12/21	Wed 22/12/21	0%
1058	Make Good Tenant's Finishes	7 days	Thu 23/12/21	Wed 29/12/21	0%
1059	**Level 3 - #03-102 (Firefly Collections)**	**4 days**	**Mon 29/11/21**	**Thu 2/12/21**	**0%**
1060	**LIVE Tenant Area**	**4 days**	**Mon 29/11/21**	**Thu 2/12/21**	**0%**
1061	Protection	1 day	Mon 29/11/21	Mon 29/11/21	0%
1062	Smoke Barrier Wall Top up	2 days	Mon 29/11/21	Tue 30/11/21	0%
1063	Plastering	2 days	Wed 1/12/21	Thu 2/12/21	0%
1064	**Level 3 - #03-135 (Miracle Hair Studio)**	**24 days**	**Mon 6/12/21**	**Wed 29/12/21**	**0%**
1065	**LIVE Tenant Area**	**24 days**	**Mon 6/12/21**	**Wed 29/12/21**	**0%**
1066	Hoarding	1 day	Mon 6/12/21	Mon 6/12/21	0%



Task	External Tasks	Duration-only	External Tasks		
Split	External Milestone	Manual Summary Rollup	External Milestone		
Milestone	Inactive Milestone	Manual Summary	Progress		
Summary	Inactive Summary	Start-only	Deadline		
Project Summary	Manual Task	Finish-only			

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

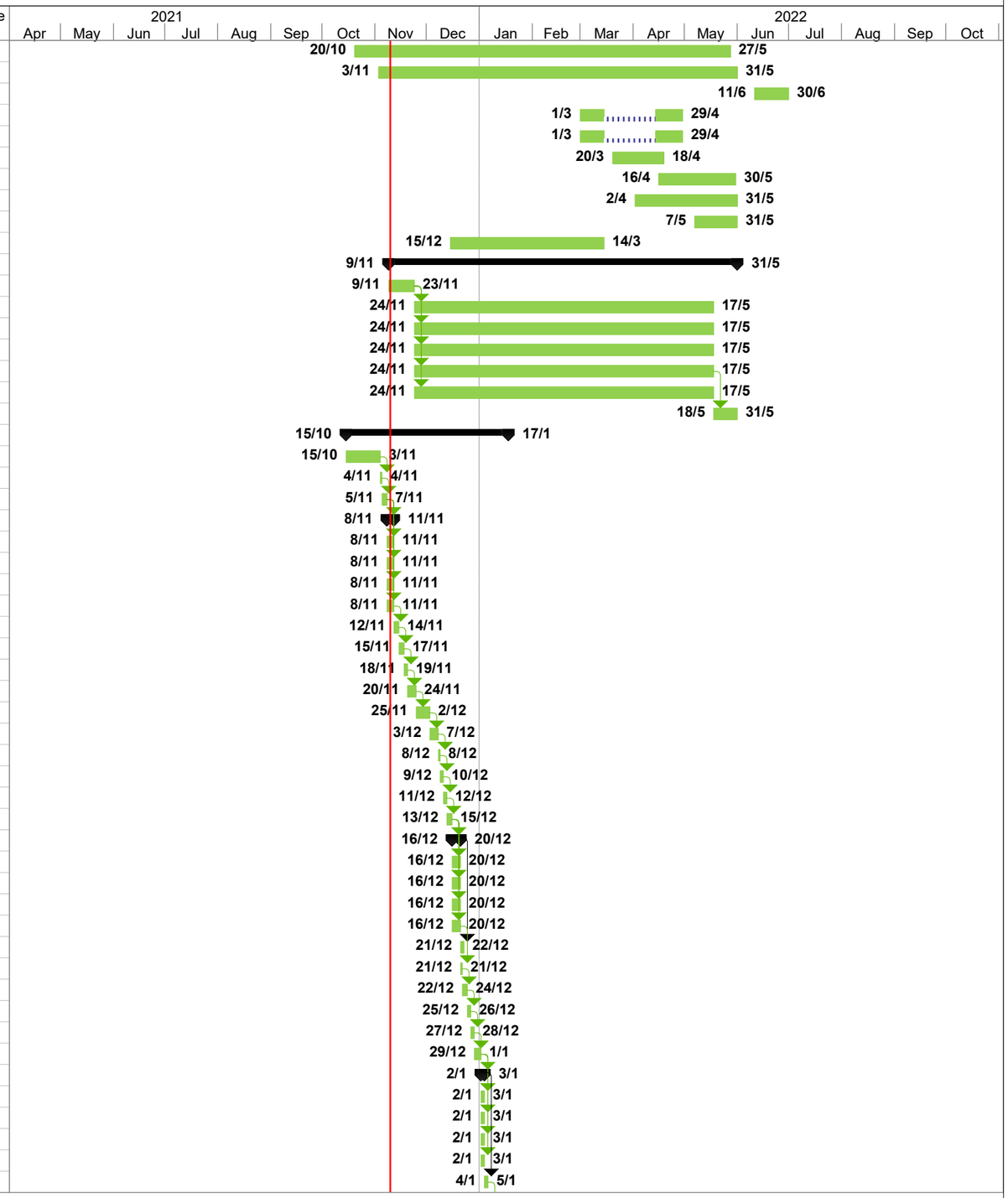
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
1067	Demolition	3 days	Tue 7/12/21	Thu 9/12/21	0%
1068	Brickwork	3 days	Fri 10/12/21	Sun 12/12/21	0%
1069	Steel Framing	3 days	Sun 12/12/21	Tue 14/12/21	0%
1070	Plastering	2 days	Wed 15/12/21	Thu 16/12/21	0%
1071	Shop Front Glass	2 days	Fri 17/12/21	Sat 18/12/21	0%
1072	Painting	2 days	Sun 19/12/21	Mon 20/12/21	0%
1073	Hoarding Removal	1 day	Wed 22/12/21	Wed 22/12/21	0%
1074	Make Good Tenant's Finishes	7 days	Thu 23/12/21	Wed 29/12/21	0%
1075	**Lift Lobby (PL1/FL1)**	**78 days**	**Sat 16/10/21**	**Sat 1/1/22**	**32%**
1076	Demolition	2 days	Sat 16/10/21	Sun 17/10/21	0%
1077	Plastering	2 days	Mon 18/10/21	Tue 19/10/21	0%
1078	Skimcoating	2 days	Wed 20/10/21	Thu 21/10/21	0%
1079	Plaster Ceiling	10 days	Fri 22/10/21	Tue 23/11/21	0%
1080	Black Spray Paint	2 days	Wed 24/11/21	Thu 25/11/21	0%
1081	Alum Ceiling	10 days	Fri 26/11/21	Sun 5/12/21	0%
1082	Screeding	10 days	Fri 29/10/21	Sun 7/11/21	0%
1083	Tiling	10 days	Fri 12/11/21	Sun 21/11/21	0%
1084	Floor trimming Insert	4 days	Mon 8/11/21	Thu 11/11/21	0%
1085	Painting	3 days	Mon 22/11/21	Wed 24/11/21	0%
1086	ID Wall Panelling	14 days	Tue 30/11/21	Mon 13/12/21	0%
1087	Skirting	4 days	Tue 14/12/21	Fri 17/12/21	0%
1088	Signage Panel	4 days	Sat 18/12/21	Tue 21/12/21	0%
1089	**M&E**	67 days	Wed 27/10/21	Sat 1/1/22	55%
1090	Survey	4 days	Wed 27/10/21	Sat 30/10/21	50%
1091	ACMV Installation	25 days	Sun 31/10/21	Mon 27/12/21	30%
1092	Electrical Installation	25 days	Sun 31/10/21	Mon 27/12/21	30%
1093	Fire Protection Installation	25 days	Sun 31/10/21	Mon 27/12/21	100%
1094	BMS Installation	25 days	Sun 31/10/21	Mon 27/12/21	70%
1095	T&C	5 days	Tue 28/12/21	Sat 1/1/22	0%
1096	**Lift Lobby (PL2/FL2)**	**79 days**	**Mon 10/1/22**	**Tue 29/3/22**	**0%**
1097	Demolition	15 days	Mon 10/1/22	Mon 24/1/22	0%
1098	Plaster Ceiling	10 days	Mon 24/1/22	Fri 4/3/22	0%
1099	Black Spray Paint	2 days	Sat 5/3/22	Sun 6/3/22	0%
1100	Alum Ceiling	10 days	Mon 7/3/22	Wed 16/3/22	0%
1101	Screeding	10 days	Fri 11/2/22	Sun 20/2/22	0%
1102	Floor trimming Insert	5 days	Mon 21/2/22	Fri 25/2/22	0%
1103	Tiling	10 days	Sat 26/2/22	Mon 7/3/22	0%
1104	ID Wall Panelling	14 days	Sun 6/3/22	Sat 19/3/22	0%
1105	Skirting	4 days	Sun 20/3/22	Wed 23/3/22	0%
1106	Signage Panel	4 days	Thu 24/3/22	Sun 27/3/22	0%
1107	**M&E**	63 days	Wed 26/1/22	Tue 29/3/22	0%
1108	Relocation & Removal	10 days	Wed 26/1/22	Fri 4/2/22	0%
1109	ACMV Installation	30 days	Sat 5/2/22	Thu 24/3/22	0%
1110	Electrical Installation	30 days	Sat 5/2/22	Thu 24/3/22	0%
1111	Gas Pipe Installation	30 days	Sat 5/2/22	Thu 24/3/22	0%
1112	Fire Protection Installation	30 days	Sat 5/2/22	Thu 24/3/22	0%
1113	BMS Installation	30 days	Sat 5/2/22	Thu 24/3/22	0%
1114	T&C	6 days	Thu 24/3/22	Tue 29/3/22	0%
1115	**Common Corridor**	**270 days**	**Mon 4/10/21**	**Thu 30/6/22**	**0%**
1116	Demolition	200 days	Mon 4/10/21	Thu 21/4/22	0%
1117	Plaster Ceiling	210 days	Mon 11/10/21	Sun 8/5/22	0%
1118	Painting	230 days	Mon 1/11/21	Sat 18/6/22	0%
1119	Alum Ceiling	210 days	Mon 1/11/21	Sun 29/5/22	0%
1120	Screeding	215 days	Thu 21/10/21	Mon 23/5/22	0%



Task		External Tasks		Duration-only		External Tasks	
Split		External Milestone		Manual Summary Rollup		External Milestone	
Milestone		Inactive Milestone		Manual Summary		Progress	
Summary		Inactive Summary		Start-only		Deadline	
Project Summary		Manual Task		Finish-only			

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

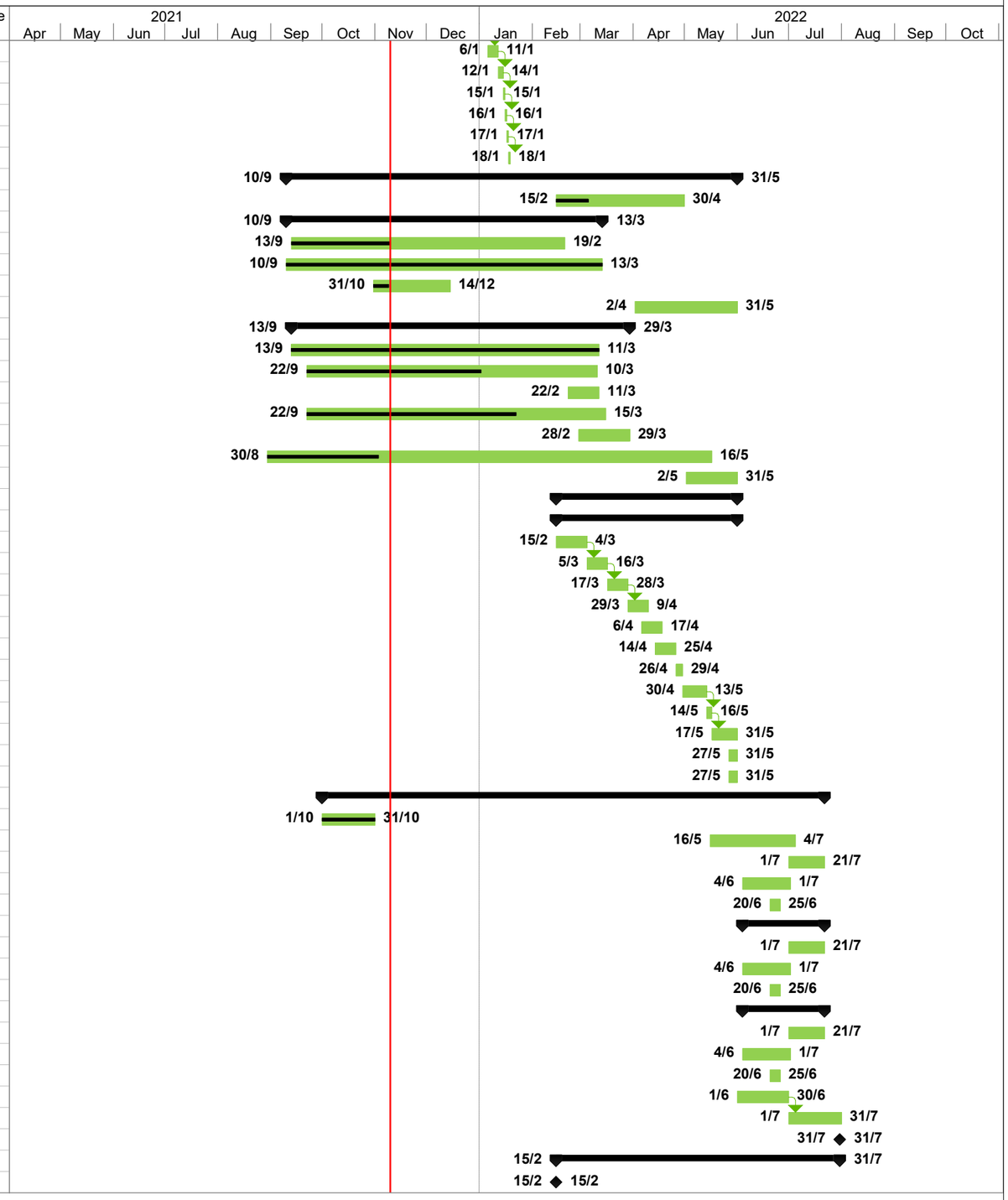
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
1121	Tiling	220 days	Wed 20/10/21	Fri 27/5/22	0%
1122	Floor trimming Insert	210 days	Wed 3/11/21	Tue 31/5/22	0%
1123	Entrance Floor Mat	20 days	Sat 11/6/22	Thu 30/6/22	0%
1124	2Hr FR Roller Shutter	30 days	Tue 1/3/22	Fri 29/4/22	0%
1125	2Hr FR Glass Door	30 days	Tue 1/3/22	Fri 29/4/22	0%
1126	Modification of Existing Shutter	30 days	Sun 20/3/22	Mon 18/4/22	0%
1127	Door & Ironmongery	45 days	Sat 16/4/22	Mon 30/5/22	0%
1128	Alum Cladding	60 days	Sat 2/4/22	Tue 31/5/22	0%
1129	Signage incl. Interactive Directory	25 days	Sat 7/5/22	Tue 31/5/22	0%
1130	Make Good Railing	90 days	Wed 15/12/21	Mon 14/3/22	0%
1131	**M&E**	204 days	Tue 9/11/21	Tue 31/5/22	0%
1132	Survey	15 days	Tue 9/11/21	Tue 23/11/21	0%
1133	ACMV Installation	175 days	Wed 24/11/21	Tue 17/5/22	0%
1134	Electrical Installation	175 days	Wed 24/11/21	Tue 17/5/22	0%
1135	Fire Protection Installation	175 days	Wed 24/11/21	Tue 17/5/22	0%
1136	BMS Installation	175 days	Wed 24/11/21	Tue 17/5/22	0%
1137	ESCS Installation	175 days	Wed 24/11/21	Tue 17/5/22	0%
1138	T&C	14 days	Wed 18/5/22	Tue 31/5/22	0%
1139	**Toilet - New Toilet**	**95 days**	**Fri 15/10/21**	**Mon 17/1/22**	**0%**
1140	Isolate existing M&E services & Demolition work	20 days	Fri 15/10/21	Wed 3/11/21	0%
1141	Setting Out	1 day	Thu 4/11/21	Thu 4/11/21	0%
1142	Wall Erection	3 days	Fri 5/11/21	Sun 7/11/21	0%
1143	**M&E 1st Fix Installation**	**4 days**	**Mon 8/11/21**	**Thu 11/11/21**	**0%**
1144	Electrical System	4 days	Mon 8/11/21	Thu 11/11/21	0%
1145	MV System	4 days	Mon 8/11/21	Thu 11/11/21	0%
1146	S&P System	4 days	Mon 8/11/21	Thu 11/11/21	0%
1147	FA & Sprinkler system	4 days	Mon 8/11/21	Thu 11/11/21	0%
1148	Waterproofing & Test	3 days	Fri 12/11/21	Sun 14/11/21	0%
1149	Screeding	3 days	Mon 15/11/21	Wed 17/11/21	0%
1150	Internal Low Wall Erection	2 days	Thu 18/11/21	Fri 19/11/21	0%
1151	Plastering	5 days	Sat 20/11/21	Wed 24/11/21	0%
1152	Wall Tiles	8 days	Thu 25/11/21	Thu 2/12/21	0%
1153	Floor Tiles	5 days	Fri 3/12/21	Tue 7/12/21	0%
1154	Door Frame	1 day	Wed 8/12/21	Wed 8/12/21	0%
1155	Vanity Counter Framework	2 days	Thu 9/12/21	Fri 10/12/21	0%
1156	Cubical Framework	2 days	Sat 11/12/21	Sun 12/12/21	0%
1157	Ceiling Frame	3 days	Mon 13/12/21	Wed 15/12/21	0%
1158	**M&E 2nd Fix Installation**	**5 days**	**Thu 16/12/21**	**Mon 20/12/21**	**0%**
1159	Electrical System	5 days	Thu 16/12/21	Mon 20/12/21	0%
1160	MV System	5 days	Thu 16/12/21	Mon 20/12/21	0%
1161	S&P System	5 days	Thu 16/12/21	Mon 20/12/21	0%
1162	FA & Sprinkler system	5 days	Thu 16/12/21	Mon 20/12/21	0%
1163	T&C - Pressure testing, meggering test & etc	2 days	Tue 21/12/21	Wed 22/12/21	0%
1164	Door Panel	1 day	Tue 21/12/21	Tue 21/12/21	0%
1165	Ceiling Closure & Plastering	3 days	Wed 22/12/21	Fri 24/12/21	0%
1166	Painting	2 days	Sat 25/12/21	Sun 26/12/21	0%
1167	Vanity Counter	2 days	Mon 27/12/21	Tue 28/12/21	0%
1168	Joinery Work	4 days	Wed 29/12/21	Sat 1/1/22	0%
1169	**M&E Final Fix Installation**	**2 days**	**Sun 2/1/22**	**Mon 3/1/22**	**0%**
1170	Electrical System	2 days	Sun 2/1/22	Mon 3/1/22	0%
1171	MV System	2 days	Sun 2/1/22	Mon 3/1/22	0%
1172	S&P System	2 days	Sun 2/1/22	Mon 3/1/22	0%
1173	FA & Sprinkler system	2 days	Sun 2/1/22	Mon 3/1/22	0%
1174	M&E T&C	2 days	Tue 4/1/22	Wed 5/1/22	0%



Task	External Tasks	Duration-only	External Tasks
Split	External Milestone	Manual Summary Rollup	External Milestone
Milestone	Inactive Milestone	Manual Summary	Progress
Summary	Inactive Summary	Start-only	Deadline
Project Summary	Manual Task	Finish-only	

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

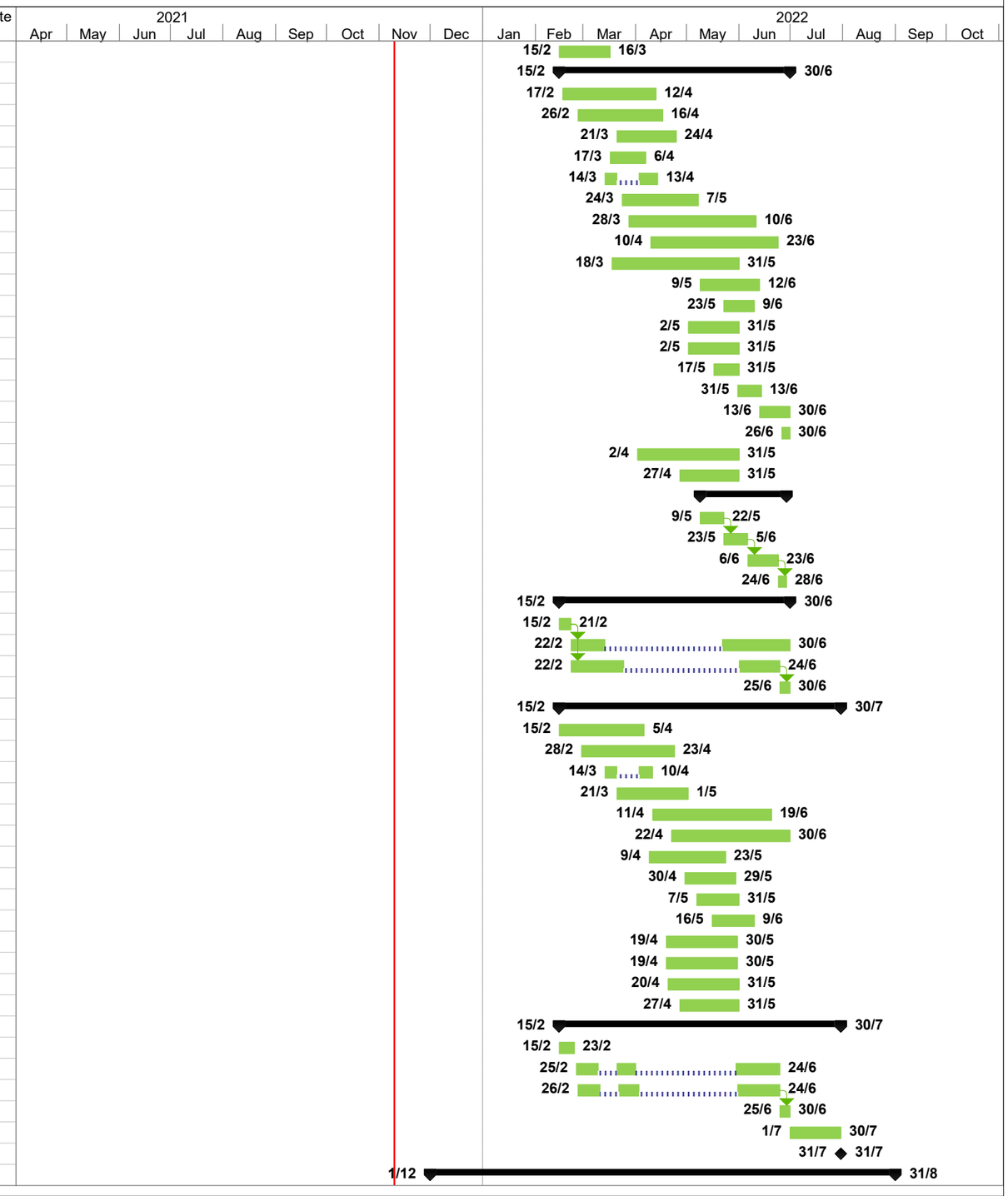
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
1175	Toilet Cubical	6 days	Thu 6/1/22	Tue 11/1/22	0%
1176	Sanitary Wares	3 days	Wed 12/1/22	Fri 14/1/22	0%
1177	Ironmongery	1 day	Sat 15/1/22	Sat 15/1/22	0%
1178	Signages	1 day	Sun 16/1/22	Sun 16/1/22	0%
1179	Final Paint	1 day	Mon 17/1/22	Mon 17/1/22	0%
1180	Site Staff Handover Inspection	1 day	Tue 18/1/22	Tue 18/1/22	0%
1181	**Level 4**	**264 days**	**Fri 10/9/21**	**Tue 31/5/22**	**61%**
1182	Trellis	75 days	Tue 15/2/22	Sat 30/4/22	25%
1183	**Structure Opening at Lv 4**	**185 days**	**Fri 10/9/21**	**Sun 13/3/22**	**65%**
1184	Demolition	160 days	Mon 13/9/21	Sat 19/2/22	36%
1185	M&E Services Removal / Relocation	185 days	Fri 10/9/21	Sun 13/3/22	100%
1186	Strengthening	45 days	Sun 31/10/21	Tue 14/12/21	20%
1187	Waterproofing Make Good	60 days	Sat 2/4/22	Tue 31/5/22	0%
1188	**M&E**	198 days	Mon 13/9/21	Tue 29/3/22	71%
1189	Relocation & Removal	180 days	Mon 13/9/21	Fri 11/3/22	100%
1190	ACMV Installation	170 days	Wed 22/9/21	Thu 10/3/22	60%
1191	ESCS Installation	18 days	Tue 22/2/22	Fri 11/3/22	0%
1192	Electrical Installation	175 days	Wed 22/9/21	Tue 15/3/22	70%
1193	T&C	30 days	Mon 28/2/22	Tue 29/3/22	0%
1194	Overall M&E Migration	260 days	Mon 30/8/21	Mon 16/5/22	25%
1195	Overall M&E Combine Testing	30 days	Mon 2/5/22	Tue 31/5/22	0%
1196	**Travellator Upgrading**	**106 days**	**Tue 15/2/22**	**Tue 31/5/22**	**0%**
1197	**Basement 1 - 2**	**106 days**	**Tue 15/2/22**	**Tue 31/5/22**	**0%**
1198	Demolition (incl. Services relocation)	18 days	Tue 15/2/22	Fri 4/3/22	0%
1199	Wall Frame work	12 days	Sat 5/3/22	Wed 16/3/22	0%
1200	Wall Backing	12 days	Thu 17/3/22	Mon 28/3/22	0%
1201	M&E 1st Fix Installation	12 days	Tue 29/3/22	Sat 9/4/22	0%
1202	Ceiling Frame Work	12 days	Wed 6/4/22	Sun 17/4/22	0%
1203	M&E 2nd Fix Installation	12 days	Thu 14/4/22	Mon 25/4/22	0%
1204	Black Paint to Soffit & Services	4 days	Tue 26/4/22	Fri 29/4/22	0%
1205	Ceiling Closure	14 days	Sat 30/4/22	Fri 13/5/22	0%
1206	Painting	3 days	Sat 14/5/22	Mon 16/5/22	0%
1207	ID Wall Panelling	15 days	Tue 17/5/22	Tue 31/5/22	0%
1208	M&E Final Fix Installation	5 days	Fri 27/5/22	Tue 31/5/22	0%
1209	Media Panel	5 days	Fri 27/5/22	Tue 31/5/22	0%
1210	**Basement 2**	**294 days**	**Fri 1/10/21**	**Thu 21/7/22**	**23%**
1211	Temporary Letter Box	31 days	Fri 1/10/21	Sun 31/10/21	100%
1212	Hybrid Lots	50 days	Mon 16/5/22	Mon 4/7/22	0%
1213	Handicap Car Park	21 days	Fri 1/7/22	Thu 21/7/22	0%
1214	Lift Lobby Make Good	28 days	Sat 4/6/22	Fri 1/7/22	0%
1215	Signage	6 days	Mon 20/6/22	Sat 25/6/22	0%
1216	**Basement 3**	**48 days**	**Sat 4/6/22**	**Thu 21/7/22**	**0%**
1217	Handicap Car Park	21 days	Fri 1/7/22	Thu 21/7/22	0%
1218	Lift Lobby Make Good	28 days	Sat 4/6/22	Fri 1/7/22	0%
1219	Signage	6 days	Mon 20/6/22	Sat 25/6/22	0%
1220	**Basement 4**	**48 days**	**Sat 4/6/22**	**Thu 21/7/22**	**0%**
1221	Handicap Car Park	21 days	Fri 1/7/22	Thu 21/7/22	0%
1222	Lift Lobby Make Good	28 days	Sat 4/6/22	Fri 1/7/22	0%
1223	Signage	6 days	Mon 20/6/22	Sat 25/6/22	0%
1224	RI Inspection	30 days	Wed 1/6/22	Thu 30/6/22	0%
1225	TOP Inspection	31 days	Fri 1/7/22	Sun 31/7/22	0%
1226	Phase 3A Completion	0 days	Sun 31/7/22	Sun 31/7/22	0%
1227	**Phase 3B Façade Work**	**166 days**	**Tue 15/2/22**	**Sun 31/7/22**	**0%**
1228	Site Possession	0 days	Tue 15/2/22	Tue 15/2/22	0%



Task	External Tasks	Duration-only	External Tasks
Split	External Milestone	Manual Summary Rollup	External Milestone
Milestone	Inactive Milestone	Manual Summary	Progress
Summary	Inactive Summary	Start-only	Deadline
Project Summary	Manual Task	Finish-only	

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

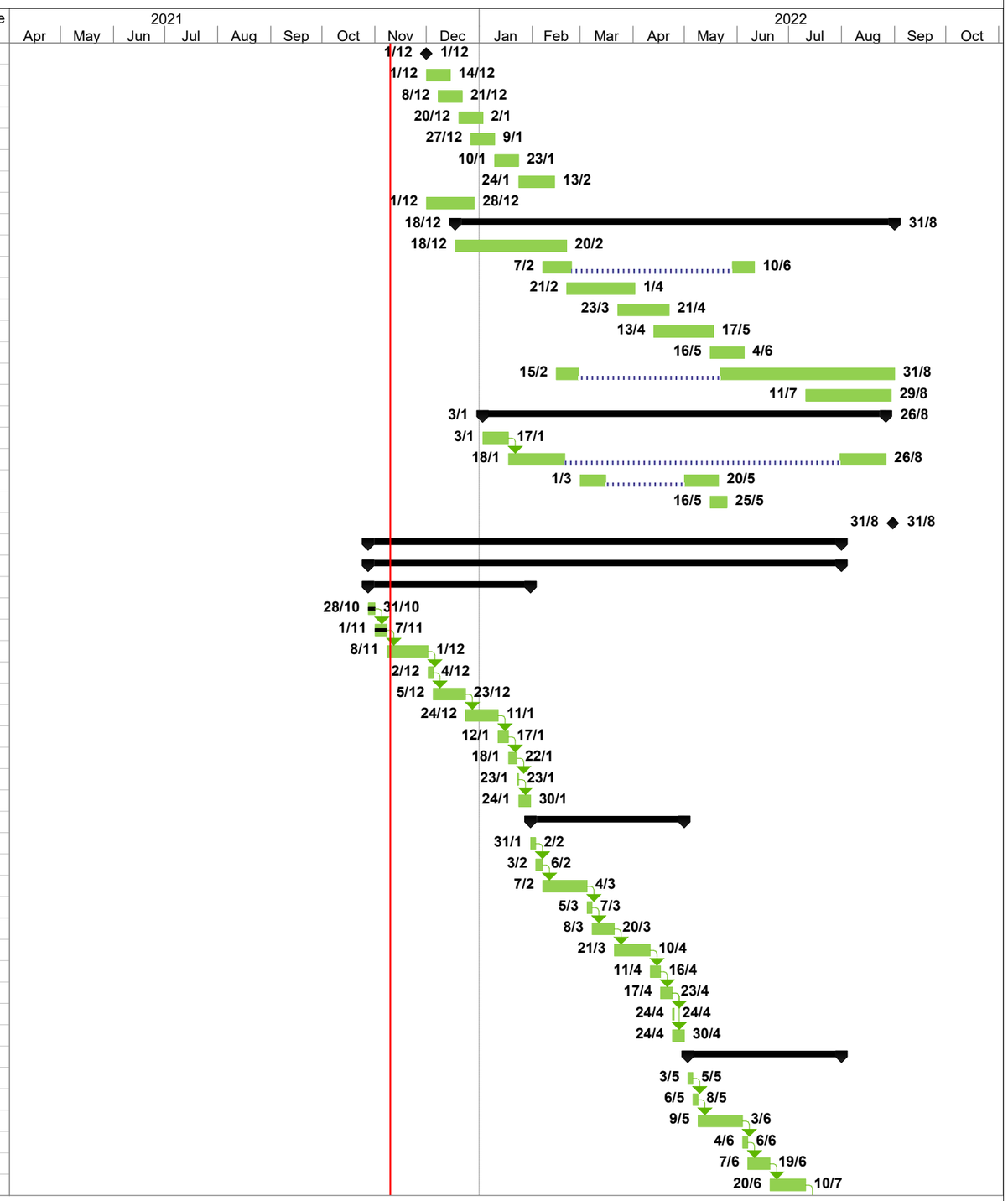
ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
1229	Hoarding	30 days	Tue 15/2/22	Wed 16/3/22	0%
1230	**Tanglin Road Entrance**	**136 days**	**Tue 15/2/22**	**Thu 30/6/22**	**0%**
1231	Scaffold Erection & Modification - Localised	55 days	Thu 17/2/22	Tue 12/4/22	0%
1232	Demolition (incl. RC Ledge Demolition)	50 days	Sat 26/2/22	Sat 16/4/22	0%
1233	Make Good RC Ledge	35 days	Mon 21/3/22	Sun 24/4/22	0%
1234	Remove Existing Metal Grille	21 days	Thu 17/3/22	Wed 6/4/22	0%
1235	Setting out	18 days	Mon 14/3/22	Wed 13/4/22	0%
1236	Material Fabrication	45 days	Thu 24/3/22	Sat 7/5/22	0%
1237	Plastering	75 days	Mon 28/3/22	Fri 10/6/22	0%
1238	Painting	75 days	Sun 10/4/22	Thu 23/6/22	0%
1239	New Alum Cladding with Framework	75 days	Fri 18/3/22	Tue 31/5/22	0%
1240	Make Good of Existing Glass Canopy	35 days	Mon 9/5/22	Sun 12/6/22	0%
1241	Signage	18 days	Mon 23/5/22	Thu 9/6/22	0%
1242	Glass Shop Front	30 days	Mon 2/5/22	Tue 31/5/22	0%
1243	Alum Louvre with Backpan Cover	30 days	Mon 2/5/22	Tue 31/5/22	0%
1244	Railing at Entrance	15 days	Tue 17/5/22	Tue 31/5/22	0%
1245	Screeding	14 days	Tue 31/5/22	Mon 13/6/22	0%
1246	Entrance Steps & Floor Tiles	18 days	Mon 13/6/22	Thu 30/6/22	0%
1247	Tactiles	5 days	Sun 26/6/22	Thu 30/6/22	0%
1248	Metal Fascia with Paint Finish	60 days	Sat 2/4/22	Tue 31/5/22	0%
1249	Low-Iron Laminated Glass Façade	35 days	Wed 27/4/22	Tue 31/5/22	0%
1250	**Existing Handicap Ramp**	**51 days**	**Mon 9/5/22**	**Tue 28/6/22**	**0%**
1251	Archi Demolition	14 days	Mon 9/5/22	Sun 22/5/22	0%
1252	New Railing	14 days	Mon 23/5/22	Sun 5/6/22	0%
1253	New Floor Finish	18 days	Mon 6/6/22	Thu 23/6/22	0%
1254	Tactiles	5 days	Fri 24/6/22	Tue 28/6/22	0%
1255	**M&E**	136 days	Tue 15/2/22	Thu 30/6/22	0%
1256	Survey	7 days	Tue 15/2/22	Mon 21/2/22	0%
1257	Electrical Installation incl. LED Façade Lights	60 days	Tue 22/2/22	Thu 30/6/22	0%
1258	BMS Installation	55 days	Tue 22/2/22	Fri 24/6/22	0%
1259	T&C	6 days	Sat 25/6/22	Thu 30/6/22	0%
1260	**Grange Road Entrance**	**166 days**	**Tue 15/2/22**	**Sat 30/7/22**	**0%**
1261	Scaffold Erection & Modification	50 days	Tue 15/2/22	Tue 5/4/22	0%
1262	Demolition	55 days	Mon 28/2/22	Sat 23/4/22	0%
1263	Setting out	15 days	Mon 14/3/22	Sun 10/4/22	0%
1264	Material Fabrication	42 days	Mon 21/3/22	Sun 1/5/22	0%
1265	Plastering	70 days	Mon 11/4/22	Sun 19/6/22	0%
1266	Painting	70 days	Fri 22/4/22	Thu 30/6/22	0%
1267	New Alum Cladding with Framework	45 days	Sat 9/4/22	Mon 23/5/22	0%
1268	Make Good Existing Metal Grille	30 days	Sat 30/4/22	Sun 29/5/22	0%
1269	New Metal Grille	25 days	Sat 7/5/22	Tue 31/5/22	0%
1270	Signage	25 days	Mon 16/5/22	Thu 9/6/22	0%
1271	Glass Shop Front	42 days	Tue 19/4/22	Mon 30/5/22	0%
1272	Alum Louvre with Backpan Cover	42 days	Tue 19/4/22	Mon 30/5/22	0%
1273	Metal Fascia with Paint Finish	42 days	Wed 20/4/22	Tue 31/5/22	0%
1274	Low-Iron Laminated Glass Façade	35 days	Wed 27/4/22	Tue 31/5/22	0%
1275	**M&E**	166 days	Tue 15/2/22	Sat 30/7/22	0%
1276	Relocation & Removal	9 days	Tue 15/2/22	Wed 23/2/22	0%
1277	Electrical Installation incl. LED Lights	50 days	Fri 25/2/22	Fri 24/6/22	0%
1278	BMS Installation	50 days	Sat 26/2/22	Fri 24/6/22	0%
1279	T&C	6 days	Sat 25/6/22	Thu 30/6/22	0%
1280	TOP Inspection	30 days	Fri 1/7/22	Sat 30/7/22	0%
1281	Phase 3B Completion	0 days	Sun 31/7/22	Sun 31/7/22	0%
1282	**Phase 3C - Playground**	**274 days**	**Wed 1/12/21**	**Wed 31/8/22**	**0%**



Task	External Tasks	Duration-only	External Tasks		
Split	External Milestone	Manual Summary Rollup	External Milestone		
Milestone	Inactive Milestone	Manual Summary	Progress		
Summary	Inactive Summary	Start-only	Deadline		
Project Summary	Manual Task	Finish-only			

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
1283	Site Possession	0 days	Wed 1/12/21	Wed 1/12/21	0%
1284	Play Equipment Sample Submission	14 days	Wed 1/12/21	Tue 14/12/21	0%
1285	Play Equipment Sample Approval	14 days	Wed 8/12/21	Tue 21/12/21	0%
1286	Shop Drawing Submission	14 days	Mon 20/12/21	Sun 2/1/22	0%
1287	Shop Drawing Approval	14 days	Mon 27/12/21	Sun 9/1/22	0%
1288	PE Design (if require)	14 days	Mon 10/1/22	Sun 23/1/22	0%
1289	BCA Submission & Approval (if require)	21 days	Mon 24/1/22	Sun 13/2/22	0%
1290	Hoarding	28 days	Wed 1/12/21	Tue 28/12/21	0%
1291	**Playground**	**257 days**	**Sat 18/12/21**	**Wed 31/8/22**	**0%**
1292	Demolition	65 days	Sat 18/12/21	Sun 20/2/22	0%
1293	Setting Out	30 days	Mon 7/2/22	Fri 10/6/22	0%
1294	Fibrwrap	40 days	Mon 21/2/22	Fri 1/4/22	0%
1295	Lean Concrete	30 days	Wed 23/3/22	Thu 21/4/22	0%
1296	Waterproofing	35 days	Wed 13/4/22	Tue 17/5/22	0%
1297	Screeding	20 days	Mon 16/5/22	Sat 4/6/22	0%
1298	Play Equipment Installation	115 days	Tue 15/2/22	Wed 31/8/22	0%
1299	Flooring Finish	50 days	Mon 11/7/22	Mon 29/8/22	0%
1300	**M&E**	236 days	Mon 3/1/22	Fri 26/8/22	0%
1301	Services Relocation & Removal	15 days	Mon 3/1/22	Mon 17/1/22	0%
1302	Electrical Installation	60 days	Tue 18/1/22	Fri 26/8/22	0%
1303	Lightning Protection Installation	35 days	Tue 1/3/22	Fri 20/5/22	0%
1304	T&C	10 days	Mon 16/5/22	Wed 25/5/22	0%
1305	Phase 3C Completion	0 days	Wed 31/8/22	Wed 31/8/22	0%
1306	**Phase 3D**	**277 days**	**Thu 28/10/21**	**Sun 31/7/22**	**2%**
1307	**Lift Upgrading & Replacement**	**277 days**	**Thu 28/10/21**	**Sun 31/7/22**	**2%**
1308	**Lift FL1**	**95 days**	**Thu 28/10/21**	**Sun 30/1/22**	**12%**
1309	Hoarding & Pre-turn off inspection (incl. Precon survey & comfort ride test)	4 days	Thu 28/10/21	Sun 31/10/21	100%
1310	Delivery & Dismantle of existing lift's equipment	7 days	Mon 1/11/21	Sun 7/11/21	100%
1311	Installation of New lift equipment	24 days	Mon 8/11/21	Wed 1/12/21	0%
1312	Cabling Work from Lift Machine Room to FCC	3 days	Thu 2/12/21	Sat 4/12/21	0%
1313	Slow Speed Test & Interior Work	19 days	Sun 5/12/21	Thu 23/12/21	0%
1314	High Speed Test & Adjustment	19 days	Fri 24/12/21	Tue 11/1/22	0%
1315	Statutory Tests, RTO Inspection & PTO Application	6 days	Wed 12/1/22	Mon 17/1/22	0%
1316	Handover Inspection & Defects Clearance	5 days	Tue 18/1/22	Sat 22/1/22	0%
1317	PTO Issuance	1 day	Sun 23/1/22	Sun 23/1/22	0%
1318	Run-in Period	7 days	Mon 24/1/22	Sun 30/1/22	0%
1319	**Lift PL 1**	**90 days**	**Mon 31/1/22**	**Sat 30/4/22**	**0%**
1320	Hoarding & Pre-turn off inspection (incl. Precon survey & comfort ride test)	3 days	Mon 31/1/22	Wed 2/2/22	0%
1321	Delivery & Dismantle of existing lift's equipment	4 days	Thu 3/2/22	Sun 6/2/22	0%
1322	Installation of New lift equipment	26 days	Mon 7/2/22	Fri 4/3/22	0%
1323	Cabling Work from Lift Machine Room to FCC	3 days	Sat 5/3/22	Mon 7/3/22	0%
1324	Slow Speed Test & Interior Work	13 days	Tue 8/3/22	Sun 20/3/22	0%
1325	High Speed Test & Adjustment	21 days	Mon 21/3/22	Sun 10/4/22	0%
1326	Statutory Tests, RTO Inspection & PTO Application	6 days	Mon 11/4/22	Sat 16/4/22	0%
1327	Handover Inspection & Defects Clearance	7 days	Sun 17/4/22	Sat 23/4/22	0%
1328	PTO Issuance	1 day	Sun 24/4/22	Sun 24/4/22	0%
1329	Run-in Period	7 days	Sun 24/4/22	Sat 30/4/22	0%
1330	**Lift PL 2**	**90 days**	**Tue 3/5/22**	**Sun 31/7/22**	**0%**
1331	Hoarding & Pre-turn off inspection (incl. Precon survey & comfort ride test)	3 days	Tue 3/5/22	Thu 5/5/22	0%
1332	Delivery & Dismantle of existing lift's equipment	3 days	Fri 6/5/22	Sun 8/5/22	0%
1333	Installation of New lift equipment	26 days	Mon 9/5/22	Fri 3/6/22	0%
1334	Cabling Work from Lift Machine Room to FCC	3 days	Sat 4/6/22	Mon 6/6/22	0%
1335	Slow Speed Test & Interior Work	13 days	Tue 7/6/22	Sun 19/6/22	0%
1336	High Speed Test & Adjustment	21 days	Mon 20/6/22	Sun 10/7/22	0%



Task	External Tasks	Duration-only	External Tasks
Split	External Milestone	Manual Summary Rollup	External Milestone
Milestone	Inactive Milestone	Manual Summary	Progress
Summary	Inactive Summary	Start-only	Deadline
Project Summary	Manual Task	Finish-only	

PROPOSED ADDITIONS & ALTERATIONS TO EXISTING TANGLIN SHOPPING MALL (FROM B4 TO 4TH STOREY) ON LOT 02274P TS 24 AT 163 TANGLIN ROAD (ORCHARD PLANNING AREA)

ID	Gennal Industries Pte Ltd	Duration	Start	Finish	% Complete
1337	Statutory Tests, RTO Inspection & PTO Application	6 days	Mon 11/7/22	Sat 16/7/22	0%
1338	Handover Inspection & Defects Clearance	7 days	Sun 17/7/22	Sat 23/7/22	0%
1339	PTO Issuance	1 day	Sun 24/7/22	Sun 24/7/22	0%
1340	Run-in Period	7 days	Mon 25/7/22	Sun 31/7/22	0%
1341	**Lift SL 1**	**98 days**	**Fri 25/3/22**	**Thu 30/6/22**	**0%**
1342	Hoarding & Pre-turn off inspection (incl. Precon survey & comfort ride test)	5 days	Fri 25/3/22	Tue 29/3/22	0%
1343	Delivery & Dismantle of existing lift's equipment	5 days	Wed 30/3/22	Sun 3/4/22	0%
1344	Installation of new lift equipment	47 days	Mon 4/4/22	Fri 20/5/22	0%
1345	Slow Speed Test & Interior Work	14 days	Sat 21/5/22	Fri 3/6/22	0%
1346	High Speed Test & Adjustment	8 days	Sat 4/6/22	Sat 11/6/22	0%
1347	Statutory Tests, RTO Inspection & PTO Application	5 days	Sun 12/6/22	Thu 16/6/22	0%
1348	Handover Inspection & Defects Clearance	7 days	Fri 17/6/22	Thu 23/6/22	0%
1349	PTO Issuance	1 day	Fri 24/6/22	Fri 24/6/22	0%
1350	Run-in Period	7 days	Fri 24/6/22	Thu 30/6/22	0%
1351	**Lift Lobby (SL1)**	**37 days**	**Tue 21/6/22**	**Wed 27/7/22**	**0%**
1352	**Level 2**	**37 days**	**Tue 21/6/22**	**Wed 27/7/22**	**0%**
1353	Demolition	7 days	Tue 21/6/22	Mon 27/6/22	0%
1354	Ceiling	10 days	Tue 28/6/22	Thu 7/7/22	0%
1355	Wall Finishes	10 days	Fri 8/7/22	Sun 17/7/22	0%
1356	Floor Finishes	10 days	Mon 18/7/22	Wed 27/7/22	0%
1357	M&E Works	20 days	Fri 1/7/22	Wed 20/7/22	0%
1358	**Level 1**	**37 days**	**Tue 21/6/22**	**Wed 27/7/22**	**0%**
1359	Demolition	7 days	Tue 21/6/22	Mon 27/6/22	0%
1360	Ceiling	10 days	Tue 28/6/22	Thu 7/7/22	0%
1361	Wall Finishes	10 days	Fri 8/7/22	Sun 17/7/22	0%
1362	Floor Finishes	10 days	Mon 18/7/22	Wed 27/7/22	0%
1363	M&E Works	20 days	Fri 1/7/22	Wed 20/7/22	0%
1364	**Basement 1**	**37 days**	**Tue 21/6/22**	**Wed 27/7/22**	**0%**
1365	Demolition	7 days	Tue 21/6/22	Mon 27/6/22	0%
1366	Ceiling	10 days	Tue 28/6/22	Thu 7/7/22	0%
1367	Wall Finishes	10 days	Fri 8/7/22	Sun 17/7/22	0%
1368	Floor Finishes	10 days	Mon 18/7/22	Wed 27/7/22	0%
1369	M&E Works	20 days	Fri 1/7/22	Wed 20/7/22	0%
1370	Phase 3D Completion	0 days	Sun 31/7/22	Sun 31/7/22	0%
1371	**Phase 3E**	**90 days**	**Mon 1/8/22**	**Sat 29/10/22**	**0%**
1372	**Lift FL2**	**90 days**	**Mon 1/8/22**	**Sat 29/10/22**	**0%**
1373	Hoarding & Pre-turn off inspection (incl. Precon survey & comfort ride test)	3 days	Mon 1/8/22	Wed 3/8/22	0%
1374	Delivery & Dismantle of existing lift's equipment	3 days	Thu 4/8/22	Sat 6/8/22	0%
1375	Installation of New lift equipment	26 days	Sun 7/8/22	Thu 1/9/22	0%
1376	Cabling Work from Lift Machine Room to FCC	3 days	Fri 2/9/22	Sun 4/9/22	0%
1377	Slow Speed Test & Interior Work	13 days	Mon 5/9/22	Sat 17/9/22	0%
1378	High Speed Test & Adjustment	21 days	Sun 18/9/22	Sat 8/10/22	0%
1379	Statutory Tests, RTO Inspection & PTO Application	6 days	Sun 9/10/22	Fri 14/10/22	0%
1380	Handover Inspection & Defects Clearance	7 days	Sat 15/10/22	Fri 21/10/22	0%
1381	PTO Issuance	1 day	Sat 22/10/22	Sat 22/10/22	0%
1382	Run-in Period	7 days	Sun 23/10/22	Sat 29/10/22	0%



Task	External Tasks	Duration-only	External Tasks		
Split	External Milestone	Manual Summary Rollup	External Milestone		
Milestone	Inactive Milestone	Manual Summary	Progress		
Summary	Inactive Summary	Start-only	Deadline		
Project Summary	Manual Task	Finish-only			

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	N.A.								
Power Supply Substation	SP PowerGrid Ltd	N.A.								
Sanitary Installation	PUB Water Reclamation (Network) Dept	-	09/10/21							11/10/21
Domestic Water Supply	PUB (Water Supply) Network Dept	N.A.								
Gas Supply Installation	City Gas Pte Ltd	By Contractor								
Air Conditioning & Ventilation Inst.	FSSD	-	23/10/21							1/11/21
Fire Fighting & Alarm Installation	FSSD	-	23/10/21							31/10/21
Emergency Voice Communication	FSSD	-	13/10/21							25/10/21
Telecommunication Facilities	TFCC	N.A.								
	NEA (Pollution Control)									

SECTION 4

PROGRAMME

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

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									
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									
Emergency Voice Communication	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:	
- EC/MC					

(✓*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	Soft copy saved in server and team folder
M&E Drawings	
Other Drawings	

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	Power Requirement for Mechanical Equipment	GCH	OWR	03/02/2021	

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

*Note: Applicable only, if the client engaged a Project Manager.

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

ITEM	KEPT BY
200190704 TM ME Design Guidelines for Retail	Team Folder

8.2 List of Applicable Code of Practice and Regulations

Services	Title of Code of Practice/Standard
Electrical Wiring	SS 638 : 2018
Lightning Protection System	SS 555 : 2018
Emergency Voice Communication System	SS 546 : 2009
Telecommunication Facilities	Code of Info-Communication Facilities for Buildings
Air Conditioning & Ventilation Installation	SS 553 : 2016
Lift & Escalator Installation	SS 550 : 2020
Sprinkler System	CP 52 : 2004
Wet Riser System	NA
Automatic Fire Alarm System	SS 645 : 2019
Sanitary System	Code of Practice on Sewerage & Sanitary Works (2nd edition, Jan 2019)
Plumbing System	SS 636 : 2018
Town Gas/LPG Supply System	SS 608 : 2015
Boiler and Steam Supply System	NA
Mechanical Smoke Control System	NA

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

S/N	Description	Date of Application	Date of Approval	Remarks
1	*Clause number in Code of Practice for (Services) which require clarification or waiver. Code of Practice on Sewerage and Sanitary Works 2019 Clause 4.3.2 (c) (ii) Consultation Ref No. Waiver Ref. No.	26 December 2019	17 March 2020	ES20191226-74172
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.			

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	
S13	Non-Conformity and Corrective Action Procedures	✓
S14	Quality & Environmental System Audit	✓
S15	Feedback Reporting	✓
S16	Clients Feedback	✓
S17	Management Review	✓
S18	Risk Identification, Assessment & Control	✓

8.6 List of Software Used For Design/Analysis

DESCRIPTION/ PACKAGE NAME	VERSION	SUPPLIER/ SOURCE	PURPOSE	
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	
Hyena	4.00.1	ACADS-BSG	Fire Sprinkler & Hydrant Analysis	
Dialux	4.11	Freeware	Lighting design	✓
Lift Traffic	7.18	Elevate	Lift traffic calculation	✓
Fault Level Calculation	11.11	ETAP	Calculation of fault level and voltage drop	

(✓*where applicable*)

SECTION 9

ENVIRONMENTAL CONSIDERATIONS

9.1 Sustainable Design Features / Criteria

Item	Remarks
Green Mark criteria	Gold Plus
Green Design Features	-

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	✓
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	NA
Tender Documents	A
Tender Report	A
Payment Valuation for QS	A
Certificates of Supervision for TOP/CSC	I

* *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)*

NOT APPLICABLE

SECTION 11

LIST OF SUB-JOB

11.1 List of Sub-Job Numbers – NOT APPLICABLE

Sub Job No	Description	Allocation Details