

GENNAL INDUSTRIES PTE LTD

Accident/**Incident** Investigation Report

Reported By:	Sulaiman Ahmad	Report No:	05(R3)
Designation:	WSHC	wshc	21-03-2022

Company's Name	ISO TEAM C & P PTE LTD	Time of incident:	5:30PM
Date of incident:	21-03-2022		

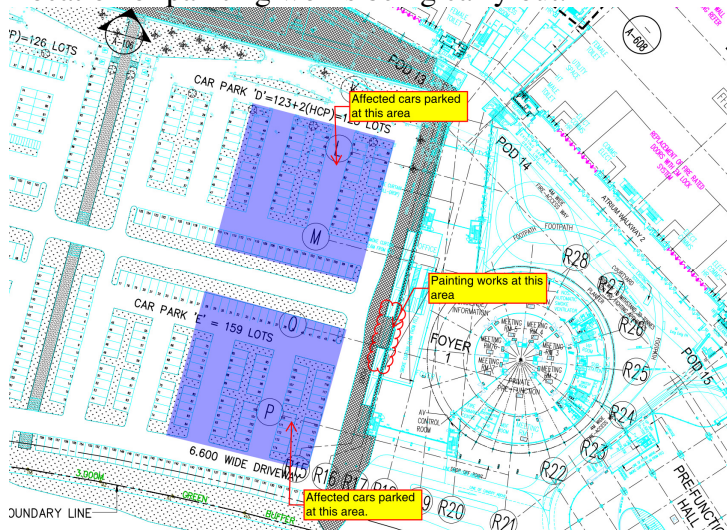
Nature of Injury: NIL

Description of Incident: Public cars parked below the expo Foyer 1 was stained by paint.

On 21st March 2022, at 1:00pm ISO TEAM C & P PTE LTD was carrying out spray painting work to steel trusses at Foyer 1 roof. Spray paint particle was blown away onto vehicles parked in public carpark below the Expo foyer 1. Thus, stained vehicles that were parked there.



Location of painting works being carry out.



Site plan shows the affected car parking area.

See Appendix 1 for list of affected cars.

GENNAL INDUSTRIES PTE LTD

Causes Checklist	
Unsafe acts	Unsafe conditions
<ul style="list-style-type: none"> <input type="checkbox"/> Improper use of protective equipment <input type="checkbox"/> Failure to use personal protective equipment <input type="checkbox"/> Using improper or defective tools, equipment, vehicles or materials <input type="checkbox"/> Using unsafe tools, equipment, or materials unsafely <input type="checkbox"/> Making safety devices inoperative or unsafe <input type="checkbox"/> Tampering with equipment <input type="checkbox"/> By-passing safety devices <input type="checkbox"/> Wrong method of working or faulty operation <input type="checkbox"/> Unsafe loading, placing or mixing <input type="checkbox"/> Improper or unsafe lifting or carrying <input type="checkbox"/> Unsafe climbing <input type="checkbox"/> Unsafe driving <input type="checkbox"/> Riding on loads, forklifts or other lifting equipment <input type="checkbox"/> Taking an unsafe position <input type="checkbox"/> Tampering with machinery in motion <input type="checkbox"/> Operating without authority <input type="checkbox"/> Operating at unsafe speed <input type="checkbox"/> Working under suspended load <input type="checkbox"/> Horseplay <input type="checkbox"/> Carelessness or recklessness <input type="checkbox"/> Other unsafe act: 	<ul style="list-style-type: none"> <input type="checkbox"/> Absence of guard rails <input type="checkbox"/> Absence of safety guard <input type="checkbox"/> Inadequate guarding <input type="checkbox"/> Ineffective safety guard <input type="checkbox"/> Safety guard not properly adjusted <input type="checkbox"/> Faulty electrical installation <input type="checkbox"/> Unsafe electrical appliance <input type="checkbox"/> Faulty machinery <input type="checkbox"/> Unsafe design or construction <input type="checkbox"/> Poor housekeeping <input type="checkbox"/> Hazardous arrangement <input type="checkbox"/> Absence of safety appliance <input type="checkbox"/> Defective safety appliance <input type="checkbox"/> Ineffective protective equipment <input type="checkbox"/> Improper clothing <input type="checkbox"/> Defective tools <input type="checkbox"/> Unsound structure <input type="checkbox"/> Improper ventilation <input type="checkbox"/> Unsafe place of work <input type="checkbox"/> Other unsafe condition:
Other Contributing Factors	
Personal factors	Organisational Causes
<ul style="list-style-type: none"> <input type="checkbox"/> Lack of job knowledge <input type="checkbox"/> Lack of job skill <input type="checkbox"/> Failure to follow instructions <input type="checkbox"/> Disregard of instructions <input type="checkbox"/> Low morale <input type="checkbox"/> Foul play <input type="checkbox"/> Fatigue / stress <input type="checkbox"/> Physical disability <input type="checkbox"/> Others (Specify) 	<ul style="list-style-type: none"> <input type="checkbox"/> Lack of co-ordination <input type="checkbox"/> No proper supervision <input type="checkbox"/> Safe job procedure not established <input type="checkbox"/> Safe procedure not understood <input type="checkbox"/> Lack of maintenance <input type="checkbox"/> Lack of job training <input type="checkbox"/> Lack of safety standards in design and construction <input type="checkbox"/> Lack of maintenance staff <input type="checkbox"/> Others (Specify)

GENNAL INDUSTRIES PTE LTD


Basic causes and contributory causes:	
1.	Spray painting works has started on 3 March 2022 as per schedule to Constellar. During the course of works, respective car park, i.e. car park D will be closed to mitigate the risk of paint stain on cars.
2.	On on Monday 21 March'22 at Foyer 1 Roof. No works supposed to carry out from 18 March to 22 March 2022 due to event at Max Atria and Hall 1. However, ISO Team has carried out an unauthorised painting works at Foyer 1 roof. See Appendix 2 for no clearance given on Monday for the painting works.
3.	Upon investigation, there was miscommunication between GI and ISO Team that the painting works was only allowed to be carry at Level 1 to the base plate only. Painting works at Level 1 base plate are using roller paint method instead of spray paint.
4.	Also, unauthorized works was carried out without any canvas protection at the opposite side of the spray paint direction.
5.	Change of wind direction during the spray paint work was carried out on top of foyer 1 roof. Spray paint particle was blown to direction of car park where vehicle parks.
6.	Worker had adjusted the spray pressure at 8-10 psi, resulted residue to paint being blown away due to change of wind direction.

Recommended Corrective Measures:		Action by:
1	Works shall only be carried out upon approval from Constellar.	
2	To cordon off public carpark before work commence and ensure no cars are park at the car park. To inform Constellar if there are car parked at the car park.	GI/ISO
3	All spray painting works for Zone A and B to be carry out at night.	GI/ISO
4	To ensure and increase the width of canvas protection at the back of paint area. Estimated width shall be 900mm.	GI/ISO
5	Awareness to painter to limit the spray paint pressure to low pressure type, less than 5 psi.	GI/ISO
6	Spray gun shall be near to paint area to avoid excessive paint residue being blown away by wind.	GI/ISO
7	To ensure wind direction towards the opposite side of spray paint works.	GI/ISO
8	To ensure all mitigation measures are in place prior to commencement of works on site.	GI/ISO

Management Review:	
1.	Contractor (Gennal Industries Pte Ltd) has informed their insurer and intend to submit for insurance claim.
2.	Final warning to sub-contractor to adhere to work procedure.

The required action to be taken by:	Company:	ISO TEAM C&P PTE LTD
	Name:	Chen Teng Soon
	Designation:	Site Supervisor
	Signature:	
	Date to be completed by:	26/03/2022
	Company:	Gennal Industries Pte Ltd
	Name:	Sulaiman Ahmad

GENNAL INDUSTRIES PTE LTD







Review & Recommendation by:	Designation:	WSHC
	Signature:	
	Date:	26/03/2022
Management Approval by:	Company:	Gennal Industries Pte Ltd
	Name:	Phan Yit Hoah
	Designation:	Sr Project Manager
	Signature:	
	Date:	26/03/2022

4	Ronnie Tok	SKM 6318 X / SUBARU	9220 7805	Constellar Group Pte Ltd	ronnie.tok@constellar.co	 
5	Tan Beng Hwee	PD 297A / TOYOTA	9060 9154	Constellar Venues Pte Ltd	bhtan@constellar.co	 
6	James Chua	SMA 3008 A / MAZDA	9734 7479	Constellar Venues Pte Ltd	james.chua@constellar.co	 


7	Chan Sze Lei	SJL 4426 Y / TOYOTA	8282 3138	Constellar Venues Pte Ltd	szelei.chan@constellar.co	 
8	Royston	SKV 8325 P / BMW	9677 3289	Constellar Venues Pte Ltd	royston.s@constellar.co	 
9	Joshua Tee	SJZ 6846 G / MITSUBISHI	9690 2619	Constellar Venues Pte Ltd	joshua.tee@constellar.co	 

10	Peter Peh	SMQ 3757 L / TOYOTA	9631 1274	Constellar Venues Pte Ltd	peter.peh@constellar.co	 
11	Katherine Wong	SGY 1014 P / HONDA	8113 8077	Constellar Venues Pte Ltd	katherine.wong@constellar.co	 
12	TBA	SGZ 39 U / PORSCHE	TBA	RIWAY (Singapore) Pte Ltd	TBA	 

13		SLD 39 B / MERCEDES		RIWAY (Singapore) Pte Ltd		 
14		SKC 38 X / BENTLEY		RIWAY (Singapore) Pte Ltd		 
15		SME 6116 E / MINI COOPER		RIWAY (Singapore) Pte Ltd		 

16		SND 6873 X / TOYOTA		RIWAY (Singapore) Pte Ltd		 
17		SME 182 C / HONDA		RIWAY (Singapore) Pte Ltd		 
18		SMW 39 P / BMW		RIWAY (Singapore) Pte Ltd		 

19		SLD 8236 X / HONDA		RIWAY (Singapore) Pte Ltd		 
20		SNF 1314 R / HONDA		RIWAY (Singapore) Pte Ltd		 
21		SGU 39X / MERCEDES		RIWAY (Singapore) Pte Ltd		 

1		BUGGY 1 to 5		SINGAPORE EXPO		
---	--	-----------------	--	----------------	--	---

WORKING AT HEIGHT PERMIT 高处工作准证

Company 公司: ISO TEAM C&PPermit No.: 232Project 项目: A&A Work at Expo 7402

准证号 (Issued by Main-Con)

Location of work 工作地点	(Attach plan drawing 附有计划图画)					
Description of work 工作内容	<u>PAINTING</u>					
Permit validity period 准证有效期	Date	<u>21-3-22</u>	<u>23/3/22</u>	<u>24/3/22</u>	<u>25/3/22</u>	<u>26/3/22</u>
Applicant	Signature	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
Assessor	Signature	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
Approved by PM/AM	<u>No work</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>

Stage 1 (ST-1) - Application by JOB SUPERVISOR

步骤1: 工作督工申请

I have checked and confirmed that the following safety requirements have been complied with :
 我已检查并确认以下安全条例符合要求

- | | | |
|-------------------------------------|-------------------------------------|---|
| ST-1 | ST-2 | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Confirmed effective guardrails life-lines provided for workers to anchor their Safety belt/Harness
确认提供稳固的栏杆/生命线给工人钩安全带/背心 |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Confirmed proper and secure working platforms and access are provided
确认提供合适牢固的工作平台和通道 |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Confirmed workers are provided with safety harness with shock absorber
确认发给工人安全带/安全背心, 带止跌装置 |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Confirmed proper tools are provided to perform their work
确认发给工人的工具合适 |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Confirmed workers are under the direct supervision of a supervisor
确认工人在督工的直接监督下工作 |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | No works/workers are working direct below or Works direct above the workers (Falling objects)
没有工作或有工作在上面, 下面不能做工 |
| <input checked="" type="checkbox"/> | | I will continue to monitor throughout the works to full compliance with Safety & Health under WSH Act |
| <input checked="" type="checkbox"/> | | I will stop and report any works which is non-compliance with WSH Act to the PM |

Note: Supervisor to immediately halt any Incompatible work and report it

Name 姓名: AH SOONHp: 98524128Designation 职务: SISDate & Time 日期/时间: 29-3-2022Sign 签名: [Signature]

Stage 2 (ST-2) - Endorsed by SAFETY ASSESSOR 步骤2: 审查人检查:

☒ SAFE / NOT SAFE 安全/不安全

I have inspected the above-stated location and confirmed that the recommended safety measures are in place.

REMARKS 备注: To comply with Sup/M.O.SName 姓名: SubhanDesignation 职务: seDate & Time 日期/时间: 21/3/22 @ 9amSign 签名: [Signature]

Stage 3 - Approved by PM / APM

- APPROVED / ~~NOT APPROVED~~

步骤3: 项目经理/工程经理审批

同意

/

不同意

I am fully satisfied that a through inspection and proper assessment of the work area and its surrounding have been made so that the work can be carried out safely.

REMARKS 备注:

Name 姓名: pm mrDesignation 职务: pm.Date & Time 日期/时间: 21/3/22 9amSign 签名: [Signature]

Stage 4 - Revocation of PTW By WSHC / WSHO / APM / PM

Name / Designation / Sign

Date / Time

Reason:

Stage 5 - Notification of work completion by Job Supervisor 步骤4工作督工/工头通知工作完成

I confirmed that the above-started work was completed on _____ at _____ hrs
 我确认上述工作已完成 日期 时间

Name 姓名: _____

Sign 签名: _____

Date & Time 日期/时间: _____

Company Name: ISO Team C&PSupervisor Name: CHEN THERY SOON

Working at Heights Checklist

Yes/No (✓/✗), N.A or N.C

		DATE				
		21/3	23/3	24/3	25/3	26/3
1	Has an assessment been undertaken to determine whether there is a risk of persons falling 2 metres or more?	✓	✓	✓	✓	✓
2	Are SWMS developed for activities where workers are exposed to a fall greater than 2 metres and are relevant persons trained in them?	✓	✓	✓	✓	✓
3	Do persons performing work at heights have the appropriate training, competence and experience prior to the commencement of work?	✓	✓	✓	✓	✓
4	Is a system in place to ensure that equipment used for accessing elevated works, are regularly checked and maintained in a safe condition?	✓	✓	✓	✓	✓
5	Has an assessment been undertaken to determine risks to people below the immediate work area and have appropriate control measures been implemented?	✓	✓	✓	✓	✓
6	Is a rescue procedure in place for those working at height and are relevant persons trained in the procedure?	✓	✓	✓	✓	✓
7	Are persons required to use a fall arrest system(s) instructed in their fitting and safe use, and are they competent in the use, care, storage and inspection of the fall arrest system(s)?	✓	✓	✓	✓	✓
8	Wherever possible, do anchorage points bear a loading of 15kN (1529 kg) for a single person anchorage?	✓	✓	✓	✓	✓
Scaffold						
9	Is scaffold where a person or object could fall 4 metres or more, erected by a person holding the basic level scaffolding certificate of competency, or higher?	✓	✓	✓	✓	✓
10	Is scaffold where a person or object cannot fall more than 4 metres, erected to manufacturer's specifications?	✓	✓	✓	✓	✓
11	Is there a fenced, secure work platform installed where persons are at risk of falling over 2 metres or, if this is not practicable, is there a fall arrest/ restraint system installed? (Hand rail -1000mm-1100mm, mid-rail 500mm-600mm).	✓	✓	✓	✓	✓
12	Does the scaffold have a safe means of access/egress?	✓	✓	✓	✓	✓
13	Is incomplete scaffolds sign posted as 'not for use'?	✓	✓	✓	✓	✓
14	Are hand-over certificates issued for scaffolds where a person or object could fall 4 metres or more?	✓	✓	✓	✓	✓
15	Is there a local identifying number issued and a register maintained (for maintenance recording purposes) for completed scaffold that are 4 metres or more?	✓	✓	✓	✓	✓
16	Is there a system for regular, documented inspections of scaffold where persons can fall greater than 4m: before its first use, and as soon as practicable, and before its next use, after an occurrence that might reasonably be expected to affect the stability or adequacy of the scaffold or its supporting structure, such as a severe storm or earthquake, and	✓	✓	✓	✓	✓

~~Chattanooga~~

CHEN THER ZOO

DATE _____

21/3	23/3	24/3	25/3	26/3
------	------	------	------	------


--	--	--	--	--	--	--

A blank sheet of graph paper with a grid pattern. The grid consists of horizontal and vertical lines forming squares. There are 10 columns and 20 rows visible. A thicker vertical line runs down the center, dividing the grid into two equal halves of 5 columns each. A thicker horizontal line runs across the middle, dividing the grid into two equal halves of 10 rows each. This creates four quadrants, each measuring 5 columns by 10 rows.

	Car	Car	Car
--	-----	-----	-----

[illegible]


No work.

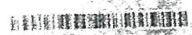
WACADEMY  WORKSHEET QUALIFICATIONS


WSQ - OPERATE SCISSOR LIFT

TIN MYINT

ID Number: G80433409
 Student Number: WFA-MF-COM-106E-1-7342
 Issued Date: 16 / 11 / 2019
 Expiry Date: 5 Years from the issued date


 Chan Wei Kiat
 General Manager of Worly Fong Academy





WACADEMY  SINGAPORE WORKFORCE SKILLS QUALIFICATIONS


WSQ - OPERATE BOOM LIFT

PYAE KYAW HEIN

ID Number: G2202412X
 Student Number: OBL-MF-COM-106E-1-00419
 Issued Date: 18 / 03 / 2020
 Expiry Date: 5 Years from the issued date


 Chan Wei Kiat
 General Manager of Worly Fong Academy





WACADEMY  SINGAPORE WORKFORCE SKILLS QUALIFICATIONS


WSQ - OPERATE BOOM LIFT

TIN MYINT

ID Number: G8043340P
 Student Number: OBL-MF-COM-106E-1-00039
 Issued Date: 08 / 01 / 2020
 Expiry Date: 5 Years from the issued date


 Chan Wei Kiat
 General Manager of Worly Fong Academy




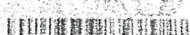
WACADEMY  SINGAPORE WORKFORCE SKILLS QUALIFICATIONS

WSQ - OPERATE SCISSOR LIFT

PYAE KYAW HEIN


ID Number: G2202412X
 Student Number: OBL-MF-COM-106E-1-00327
 Issued Date: 22 / 07 / 2020
 Expiry Date: 5 Years from the issued date


 Chan Wei Kiat
 General Manager of Worly Fong Academy



W/P: 9852 4128

WORK AT HEIGHT SUPERVISOR SAFETY COURSE
SAFETY COUNCIL PTE LTD (MOM-ATP-008-050-000391)




Name: CHEN TENG SOON
 NRIC/ID No.: S2699121H
 Certificate No.: SCWAH/103175
 Date of Issue: 11/05/2014


WORK AT HEIGHT SUPERVISOR

REPUBLIC OF SINGAPORE

IDENTITY CARD NO. S2699121H



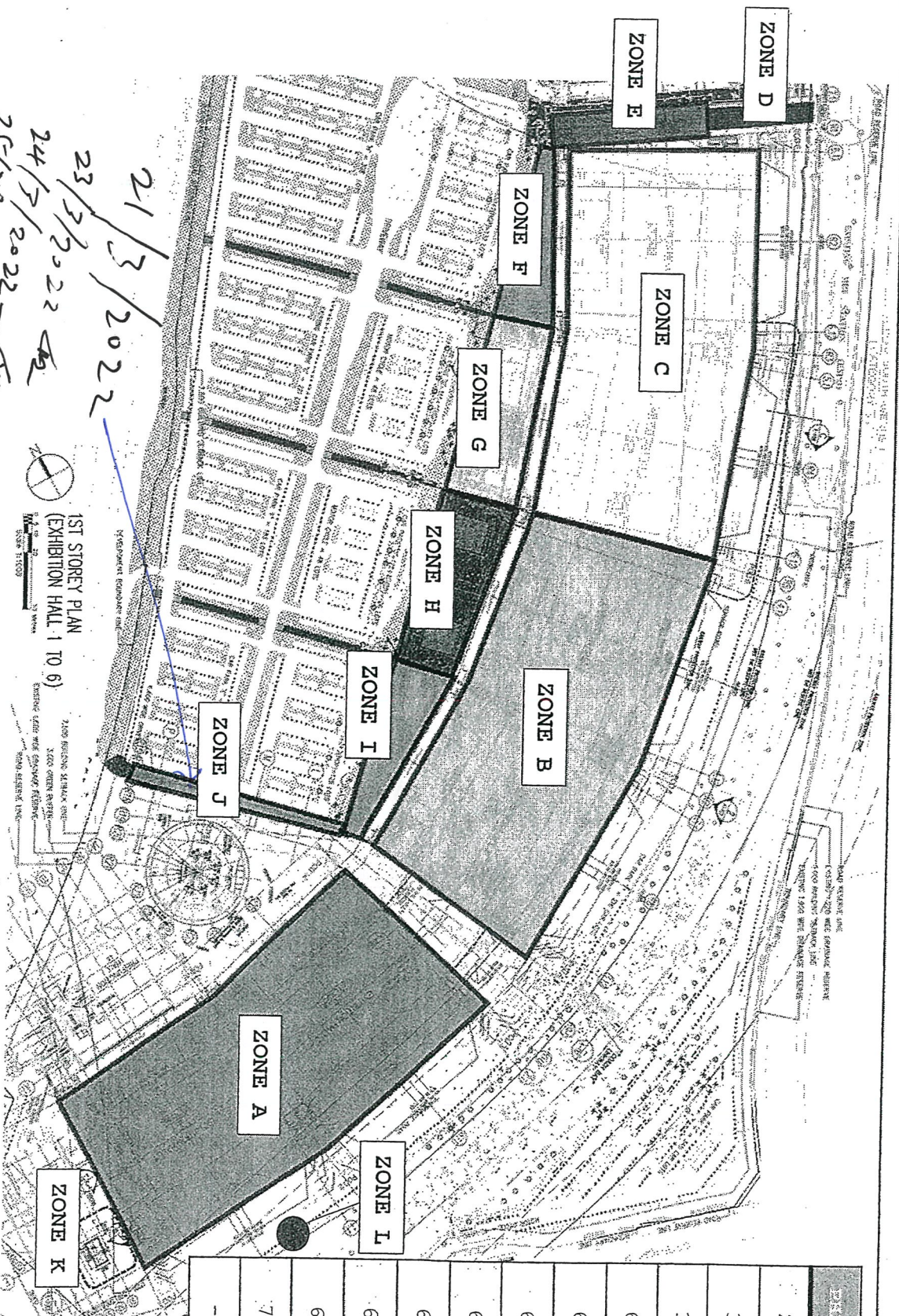
CHEN TENG SOON



DATE OF BIRTH: 16-02-1983
 PLACE OF BIRTH: MALAYSIA

C. ZONING / DEMARCATION PLAN

GENERAL



PHASE	ZONE	LOCATION
2	A	HALL 1 & 2
3	B	HALL 3 & 4
1	C	HALL 5 & 6
6	D	MRT LINKWAY
6	E	FOYER 2
6	F	ATRIUM 6
6	G	ATRIUM 5
6	H	ATRIUM 4
6	I	ATRIUM 3
6	J	FOYER 1
7	K	HYDRANT TANK
-	L	SITE OFFICE

21/3/2022
23/3/2022
24/3/2022
25/3/2022
26/3/2022