

 <p><b>DEENN Engineering Pte Ltd</b>            (A member of Lian Beng Group Ltd)            29 Harrison Road, Lian Beng Building Singapore 369648            Tel: 6283 1468 Fax: 6280 9360</p>		Ref No	DE-DB-BLK 2-FPS-T&C-004
		Date	13/09/2024
Project : D2019-00162		To: Resident Engineer/ RTO (M&E)	

### REQUEST FOR INSPECTION OF M&E WORKS

We have checked and confirmed that the following works is completed and in order for your inspection

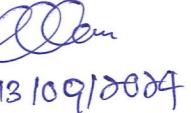
Type of Activity (Tick One Only)	Slab Casting <input type="checkbox"/>	Service Risers <input type="checkbox"/>	Final Inspection
	Services in Wall <input type="checkbox"/>	Functional Test <input checked="" type="checkbox"/>	Others
<i>Fire alarm system testing</i>			
Type of Services (Tick One Only)	Electrical / Tel / SCV <input type="checkbox"/> Plumbing / Sanitary <input type="checkbox"/> Swimming Pool <input type="checkbox"/>	Gas Installation <input type="checkbox"/> Fire Protection <input checked="" type="checkbox"/> Lift Installation <input type="checkbox"/>	ACMV <input type="checkbox"/> Others

<u>LOCATION</u>	B1K - 2		
<u>Gridline</u>	Level 1 to Roof		
Drawing Ref: D2019-00162/NWEP-02-02/02-03/02-05	Revision	No. of Attachment 3	
<b>1st Inspection</b>		Passed / Failed	
Date/ Time Submitted	13/09/2024	9:00 AM	Comments by RTO (M&E)
Date/ Time Requested	13/09/2024	10:00 AM	
Inspection Date	Time started		<i>OK!</i>
	Time ended		
Name and signature of Contractors representative <i>Soo Jhye</i> <i>Wann Ko</i>			
Name and signature of a Resident Technical Officer (M&E) <i>Moe Thauk Tun</i>			
<b>2nd Inspection</b>		Passed / Failed	
Date/ Time Submitted			
Date/ Time Requested			
Inspection Date	Time started		
	Time ended		
Name and signature of Contractors representative			
Name and signature of a Resident Technical Officer (M&E)			
<b>3rd Inspection</b>		Passed / Failed	
Date/ Time Submitted			
Date/ Time Requested			
Inspection Date	Time started		
	Time ended		
Name and signature of Contractors representative			
Name and signature of a Resident Technical Officer (M&E)			

**NORTHWAY FIRE PROTECTION PTE LTD**  
**Testing Commissioning Lists**  
**DIEPPE BARRACKS**

Tested BY:	Name : <i>Kann Ko</i> Designation : PE		Company	Northway Fire Protection Pte Ltd				Signature		<i>John</i> 13/09/2024	
Witnessed By:	Name : <i>Soc</i> Designation : M&E		Company	<i>Deen Engineering</i>				Signature		<i>John</i> 13/09/2024	
Witnessed By:	Name : <i>Moe Thauktun</i> Designation : R.T.O		Company	<i>P.D.C</i>				Signature		<i>Moe</i> 13/09/2024	
Device Adress	Location	Device Type	LOOP NO:	Zone	Signal to MAP	Signal to MIMIC	Signal to Bell	Signal to Strobe	Signal to Decam	Fault Status	Remarks
1001	BLK2 1STY Z1-1 LIFT LOBY - MCP	Manual Call Point	1	Z1-1	✓	✓	✓	✓	✓	✓	
1002	BLK2 1STY Z1-2 CORRIDOR NEAR HR - MCP	Manual Call Point	1	Z1-2	✓	✓	✓	✓	✓	✓	
1003	BLK2 1STY Z1-3 CORRIDOR NEAR HR - MCP	Manual Call Point	1	Z1-3	✓	✓	✓	✓	✓	✓	
1004	BLK2 1STY Z1-4 CORRIDOR NEAR HR - MCP	Manual Call Point	1	Z1-4	✓	✓	✓	✓	✓	✓	
1005	BLK2 1STY Z1-5 LT SWITCH ROOM (#01-01) - SD	Smoke Detector ZP730	1	Z1-5	✓	✓	✓	✓	✓	✓	
1006	BLK2 1STY Z1-6 NCR ROOM(#01-02) - SD	Smoke Detector ZP730	1	Z1-6	✓	✓	✓	✓	✓	✓	
1007	BLK2 1STY Z1-7 NCR ROOM(#01-03) - SD	Smoke Detector ZP730	1	Z1-7	✓	✓	✓	✓	✓	✓	
1008	BLK2 1STY Z1-8 NCR ROOM(#01-05) - SD	Smoke Detector ZP730	1	Z1-8	✓	✓	✓	✓	✓	✓	
1009	BLK2 1STY Z1-9 NCR ROOM(#01-06) - SD	Smoke Detector ZP730	1	Z1-9	✓	✓	✓	✓	✓	✓	
1010	BLK2 1STY Z10 A RISER - HD	Heat Detector ZP720-3	1	Z1-10	✓	✓	✓	✓	✓	✓	
1011	BLK2 1STY Z1-11 OT RISER - SD	Smoke Detector ZP730	1	Z1-11	✓	✓	✓	✓	✓	✓	
1012	BLK2 1STY Z1-12 TEL RISER - SD	Smoke Detector ZP730	1	Z1-12	✓	✓	✓	✓	✓	✓	
1013	BLK2 1STY Z1-13 UC-COMMS RISER - SD	Smoke Detector ZP730	1	Z1-13	✓	✓	✓	✓	✓	✓	
1014	BLK2 1STY Z1-14 C-COMMS RISER - SD	Smoke Detector ZP730	1	Z1-14	✓	✓	✓	✓	✓	✓	
1015	BLK2 1STY Z1-15 S-COMMS RISER - SD	Smoke Detector ZP730	1	Z1-15	✓	✓	✓	✓	✓	✓	
1016	BLK2 1STY Z16 LIFT LOBBY - HD	Heat Detector ZP720-3	1	Z1-16	✓	✓	✓	✓	✓	✓	
1017	BLK2 1STY Z1-17 ELECT RISER - SD	Smoke Detector ZP730	1	Z1-17	✓	✓	✓	✓	✓	✓	
1018	BLK2 1STY Z1-18 OT SERVER ROOM - IF FIRE	Relay Module	1	Z1-18	✓	✓	✓	✓	✓	✓	
1019	BLK2 1STY Z1-18 OT SERVER ROOM - IF FAULT	Relay Module	1	Z1-19	✓	✓	✓	✓	✓	✓	
1020	BLK2 1STY Z1-19 BATTERY ROOM - IF FIRE	Relay Module	1	Z1-19	✓	✓	✓	✓	✓	✓	
1021	BLK2 1STY Z1-19 BATTERY ROOM - IF FAULT	Relay Module	1	Z1-20	✓	✓	✓	✓	✓	✓	
1022	BLK2 1STY Z1-20 NRC(S) ROOM(#01-09) - IF FIRE	Relay Module	1	Z1-20	✓	✓	✓	✓	✓	✓	
1023	BLK2 1STY Z1-20 NRC(S) ROOM(#01-09) - IF FAULT	Relay Module	1	Z1-21	✓	✓	✓	✓	✓	✓	
1024	BLK2 1STY Z1-21 FLOWSWITCH - IF	Monitor Module	1	Z1-21	✓	✓	✓	✓	✓	✓	
1025	BLK2 1STY MV FAN	Relay Module	1								
1026	BLK2 1STY PA	Relay Module	1								
1027	BLK2 2STY PA RETURN	Monitor Module	1								
1028	BLK2 1STY Z1-22 COMM RISER - SD	Smoke Detector ZP730	1	Z1-22	✓	✓	✓	✓	✓	✓	

**NORTHWAY FIRE PROTECTION PTE LTD**  
**Testing Commissioning Lists**  
**DIEPPE BARRACKS**

Tested BY:	Name : Hann Ko Designation : PE		Company	Northway Fire Protection Pte Ltd				Signature	Signature	 13/09/2024	
Witnessed By:	Name : Designation :		Company					Date	Signature		
Witnessed By:	Name : Moe Thauk Tun Designation : R.T.O		Company	P.D.C				Date	Signature	 13/09/2024	
Device Adress	Location	Device Type	LOOP NO:	Zone	Signal to MAP	Signal to MIMIC	Signal to Bell	Signal to Strobe	Signal to Decam	Fault Status	Remarks
1029	BLK2 1STY Z1-23 COMM RISER - SD	Smoke Detector ZP730	1	Z1-23	✓	✓	✓	✓	✓	✓	
1030	BLK2 2STY Z2-1 CORRIDOR NEAR HR - MCP	Manual Call Point	1	Z2-1	✓	✓	✓	✓	✓	✓	
1031	BLK2 2STY Z2-2 CORRIDOR NEAR HR - MCP	Manual Call Point	1	Z2-2	✓	✓	✓	✓	✓	✓	
1032	BLK2 2STY Z2-3 CORRIDOR NEAR HR - MCP	Manual Call Point	1	Z2-3	✓	✓	✓	✓	✓	✓	
1033	BLK2 2STY Z2-4 CORRIDOR NEAR HR - MCP	Manual Call Point	1	Z2-4	✓	✓	✓	✓	✓	✓	
1034	BLK2 2STY Z2-5 A RISER - HD	Heat Detector ZP720-3	1	Z2-5	✓	✓	✓	✓	✓	✓	
1035	BLK2 2STY Z2-6 OT RISER - SD	Smoke Detector ZP730	1	Z2-6	✓	✓	✓	✓	✓	✓	
1036	BLK2 2STY Z2-7 TEL RISER - SD	Smoke Detector ZP730	1	Z2-7	✓	✓	✓	✓	✓	✓	
1037	BLK2 2STY Z2-8 ELECT RISER - SD	Smoke Detector ZP730	1	Z2-8	✓	✓	✓	✓	✓	✓	
1038	BLK2 2STY Z2-9 UC-COMMS RISER - SD	Smoke Detector ZP730	1	Z2-9	✓	✓	✓	✓	✓	✓	
1039	BLK2 2STY Z2-10 C-COMMS RISER - SD	Smoke Detector ZP730	1	Z2-10	✓	✓	✓	✓	✓	✓	
1040	BLK2 2STY Z2-11 S-COMMS RISER - SD	Smoke Detector ZP730	1	Z2-11	✓	✓	✓	✓	✓	✓	
1041	BLK2 2STY Z2-12 LIFT LOBBY - HD	Heat Detector ZP720-3	1	Z2-12	✓	✓	✓	✓	✓	✓	
1042	BLK2 2STY Z2-13 ELECT RISER2 - SD	Smoke Detector ZP730	1	Z2-13	✓	✓	✓	✓	✓	✓	
1043	BLK2 2STY Z2-14 FLOW SWITCH - IF	Monitor Module	1	Z2-14	✓	✓	✓	✓	✓	✓	
1044	BLK2 3STY Z3-1 CORRIDOR NEAR HR - MCP	Manual Call Point	1	Z3-1	✓	✓	✓	✓	✓	✓	
1045	BLK2 3STY Z3-1 CORRIDOR NEAR HR - MCP	Manual Call Point	1	Z3-2	✓	✓	✓	✓	✓	✓	
1046	BLK2 3STY Z3-1 CORRIDOR NEAR HR - MCP	Manual Call Point	1	Z3-3	✓	✓	✓	✓	✓	✓	
1047	BLK2 3STY Z3-1 CORRIDOR NEAR HR - MCP	Manual Call Point	1	Z3-4	✓	✓	✓	✓	✓	✓	
1048	BLK2 3STY Z3-5 A RISER - HD	Heat Detector ZP720-3	1	Z3-5	✓	✓	✓	✓	✓	✓	
1049	BLK2 3STY Z2-6 OT RISER - SD	Smoke Detector ZP730	1	Z3-6	✓	✓	✓	✓	✓	✓	
1050	BLK2 3STY Z3-7 TEL RISER - SD	Smoke Detector ZP730	1	Z3-7	✓	✓	✓	✓	✓	✓	
1051	BLK2 3STY Z3-8 ELECT RISER1 - SD	Smoke Detector ZP730	1	Z3-8	✓	✓	✓	✓	✓	✓	
1052	BLK2 3STY Z3-9 UC-COMMS RISER - SD	Smoke Detector ZP730	1	Z3-9	✓	✓	✓	✓	✓	✓	

**NORTHWAY FIRE PROTECTION PTE LTD**  
**Testing Commissioning Lists**  
**DIEPPE BARRACKS**

Tested BY:	Name : <i>Kann Ko</i> Designation : <i>PC</i>		Company	Northway Fire Protection Pte Ltd				Signature	<i>Elton</i>	<i>13/09/2024</i>
Witnessed By:	Name : Designation :		Company					Date	Signature	
Witnessed By:	Name : <i>Moe Thauktun</i> Designation : <i>R.T.O</i>		Company	<i>P.D.C.</i>				Date	Signature	<i>Ngul</i> <i>13/09/2024</i>
Device Adress	Location	Device Type	LOOP NO:	Zone	Signal to MAP	Signal to MIMIC	Signal to Bell	Signal to Strobe	Signal to Decam	Fault Status
1053	BLK2 3STY Z3-10 C-COMMS RISER - SD	Smoke Detector ZP730	1	Z3-10	✓	✓	✓	✓	✓	✓
1054	BLK2 3STY Z3-11 S-COMMS RISER - SD	Smoke Detector ZP730	1	Z3-11	✓	✓	✓	✓	✓	✓
1055	BLK2 3STY Z3-12 ELECT RISER2 - SD	Smoke Detector ZP730	1	Z3-12	✓	✓	✓	✓	✓	✓
1056	BLK2 3STY Z3-13 NCR ROOM(#03-13) - SD	Smoke Detector ZP730	1	Z3-13	✓	✓	✓	✓	✓	✓
1057	BLK2 3STY Z3-14 NCR ROOM(#03-12) - SD	Smoke Detector ZP730	1	Z3-14	✓	✓	✓	✓	✓	✓
1058	BLK2 3STY Z3-15 NCR ROOM(#03-11) - SD	Smoke Detector ZP730	1	Z3-15	✓	✓	✓	✓	✓	✓
1059	BLK2 3STY Z3-16 NCR ROOM(#03-14) - SD	Smoke Detector ZP730	1	Z3-16	✓	✓	✓	✓	✓	✓
1060	BLK2 2STY Z3-17 LIFT LOBBY - HD	Heat Detector ZP720-3	1	Z3-17	✓	✓	✓	✓	✓	✓
1061	BLK2 3STY Z3-18 FLOW SWITCH - IF	Monitor Module	1	Z3-18	✓	✓	✓	✓	✓	✓
1062	BLK2 ROOF Z4-1 STAIRCASE 1 NEAR HR - MCP	Manual Call Point	1	Z4-1	✓	✓	✓	✓	✓	✓
1063	BLK2 ROOF Z4-2 STAIRCASE 2 NEAR HR - MCP	Manual Call Point	1	Z4-2	✓	✓	✓	✓	✓	✓
1064	BLK2 ROOF Z4-3 ELECT RISER - SD	Smoke Detector ZP730	1	Z4-3	✓	✓	✓	✓	✓	✓
1065	BLK2 ROOF Z4-4 OT RISER - HD	Heat Detector ZP720-3	1	Z4-4	✓	✓	✓	✓	✓	✓
1066	BLK2 LIFT HOMING (PRI)	Relay Module	1		✓					✓
1067	BLK2 LIFT HOMING (ALT)	Relay Module	1		✓	✓				✓
1068	BLK2 1STY Z1-25 ELECT DB ROOM (#01-10) - SD	Smoke Detector ZP730	1	Z1-25	✓	✓	✓	✓	✓	✓
1069	BLK2 1STY Z1-24 NRC(C) ROOM(#01-09A) - IF FIRE	Relay Module	1	Z1-24	✓	✓	✓	✓	✓	✓
1070	BLK2 1STY Z1-24 NRC(C) ROOM(#01-09A) - IF FAULT	Relay Module	1	Z1-24	✓	✓	✓	✓	✓	✓

**BLK 2- 1ST STOREY PLAN**  
SCALE 1:150

**BLK 2- 2ND STOREY PLAN**  
SCALE 1:150

**SHOP DRAWING REVIEW**

Date received: \_\_\_\_\_  
Date returned: \_\_\_\_\_  
 NC - No Comment  
 AC - Agree with Comment  
 RR - Revise & Resubmit  
 REJ - Rejected

The review of this shopdrawing is for conformance to the design intent and for general arrangement only, it does not relieve the contractor from full responsibility for errors, omissions and from compliance with the requirements of the main contract documents.

**ID ARCHITECTS**  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
PROJECT CONSULTING ARCHITECTS  
**ID ARCHITECTS PTE LTD**  
23 NEW INDUSTRIAL ROAD #03-03  
SOLARIS BUSINESS CENTER SINGAPORE 539129  
Sole Proprietor: Mervin Koh  
Solicitor: Wong Liang Yew  
Tel: 6225 6011 Fax: 6225 7141  
E-mail: mervin@idarchitects.com.sg

**SHOP DRAWING**

DSTA PROJECT TEAM  
 NO COMMENT PROJECT OFFICER : \_\_\_\_\_ DATE : \_\_\_\_\_  
 WITH COMMENT PROJECT OFFICER : \_\_\_\_\_ DATE : \_\_\_\_\_  
 REVISE & RESUBMIT  
 REJECTED Non-compliance to specification

**M&E CONSULTANTS**  
**PdcConsultants Pte Ltd**  
23 NEW INDUSTRIAL ROAD #03-03  
SOLARIS BUSINESS CENTER SINGAPORE 539129  
TEL: 6444 7748 FAX: 6444 7141  
DATE RECEIVED: \_\_\_\_\_ DATE RETURNED: \_\_\_\_\_  
 NO EXCEPTION TAKEN  MAKE CORRECTIONS NOTED PRIOR TO GENERAL USE  
 TO REVISE & RESUBMIT  REJECTED & RESUBMIT  
SIGNATURE:  

- WHERE INSPECTION IS REQUIRED, SUBMIT REVISED DRAWINGS FOR REVIEW PRIOR TO PROCEEDING WITH WORK
- THIS DRAWING IS FOR GENERAL ARRANGEMENT ONLY AND DOES NOT EXTEND TO THE DETAILS OF SPECIFICATION OF THE WORKS AND DOES NOT RELEASE THE CONTRACTOR OF HIS RESPONSIBILITY TO ENSEUR ALL COMPLIANCE TO CONTRACT SPECIFICATION, OTHER DRAWINGS AND STATUTORY REQUIREMENT HAVING JURISDICTION OVER THE INSTALLATION.

**DSTA**  
Defence Science & Technology Agency

**VYNNA PEH SEOH CHIN**  
Edmund Teo  
Kuan Wei  
Senior Programme Manager  
D&B MAIN CONTRACTOR;

**DEENN ENGINEERING PTE LTD**  
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Tel: 6225 6011 Fax: 6225 6022  
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**STRUCTURE CONSULTANT:**  
**TW-ASIA Consultants Pte Ltd**

**M&E Consultant:**  
**PdcConsultants Pte Ltd**  
Mechanical + Electrical  
23 New Industrial Road #03-03  
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**Sub contractor:**  
**NORTHWAY FIRE PROTECTION PTE LTD**  
BLK 2 DEFU LANE 10, #04-523  
SINGAPORE 539183  
TEL: 6285 2846 FAX: 6285 3409  
EMAIL: northway\_fire@singnet.com.sg

**Project Title:** PROPOSED ADDITIONS OF 1 BLOCK OF 3-STORY OFFICE BUILDING (BLK 2), 1 BLOCK OF 6-STORY ACCOMMODATION BUILDING (BLK 3), 1 BLOCK OF 4-STORY ACCOMMODATION BUILDING (BLK 4), 1 BLOCK OF 2-STORY TRAINING MULTIPLEX (BLK 9), 1 BLOCK OF MSVS (BLK 10), AND ANCILLARY FACILITIES (BLK 5, 6 & 8) TO EXISTING DIEPPE BARRACK ON LOT 05019M MK13 AT SEMBAWANG ROAD (MANDI PLANNING AREA)

**Drawing Title:** FIRE PROTECTION SERVICES  
BLK 2  
1ST & 2ND STOREY PLAN

**Project No.:** D2019-00162

Initial	Date	Job ref no.
Designed	JASMIN	JUNE 2024
Checked	ZIN KO	JUNE 2024
Drawn	NAING	JUNE 2024
Software	CAD	
Scale	1:150	Sources

**Drawing no.** D2019-00162/NWFP-02-02 04 22.06.24  
Revision Date

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