



TEC REVOX

CONSTRUCTION OF NEW BUILDINGS AND ADDITIONS AND ADDITIONS & ALTERATIONS TO EXISTING BUILDINGS ALONG SEMBAWANG ROAD (DIEPPE BARRACKS) – PROJECT D2019-00162

EQUIPMENT LIST – AUDIO VISUAL SYSTEM (BLOCK 2 – L3, MEETING ROOM 03-07)

<u>No</u>	<u>Description</u>	<u>Model</u>	<u>Brand</u>	<u>Country Of Origin</u>
<u>Audio Equipment</u>				
1	5" full range ceiling speaker, 120W 8ohm, 30W 70V/100V	F-2322C	TOA	Japan
2	200W Power Amplifier 100V	XPA 2001-100V	Extron	U.S.A.
<u>Visual Equipment</u>				
3	Laser Projector and mtg bracket	EB-L210W / CP-505	Epson	Japan
4	Motorized projection screen Size : (3000mm x 3000mm)	Class 10A	LAV	Singapore
5	4 x 4 4K/60 HDMI Matrix Switcher with Audio Embedding	DXP 44 HD 4K PLUS	Extron	U.S.A.
6	Two input DTP transmitter for HDMI and VGA with Audio, Decora, 70m white	DTP T UWP 4K 232 D	Extron	U.S.A.
7	DTP receiver for HDMI, 70m	DTP HDMI 4K 230 Rx	Extron	U.S.A.
8	DTP Transmitter for HDMI	DTP HDMI 4K 230 Tx	Extron	U.S.A.
9	5m VGA/Audio cable + 5m HDMI cable	2L-2505A + 2L- 7D05H	Aten	Taiwan
<u>Control Equipment</u>				
10	PRO 5" Wired Touchpanel	TLP Pro 525T	Extron	U.S.A.
11	PRO xi Control Processor with 2 RS232, 1 IR, 2 relay	IPCP Pro 250 xi	Extron	U.S.A.
12	Control System I/O Expansion with 8 relay	IPL EXP RIO8	Extron	U.S.A.
13	POE Network switch	TL-SG1008P	TP Link	Singapore
14	LAN receptacle	-	Local Source	
15	Dimmer control system c/w 1 set of 4x10A HF Dimmer, 1 set of Power supply unit, 1 set of RS232 AV Interface, 1 set of 10 Buttons switch and 1 set of Enclosure c/w MCBs	-	Local Source	
16	19" equipment rack 22U (600W x 600D)	AF-EM-6622	Grandbright	Singapore



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EQUIPMENT LIST – AUDIO VISUAL SYSTEM (BLOCK 2 – L2, O-ROOM 02-02)

<u>No</u>	<u>Description</u>	<u>Model</u>	<u>Brand</u>	<u>Country Of Origin</u>
<u>Audio Equipment</u>				
1	5" full range ceiling speaker, 120W 8ohm, 30W 70V/100V	F-2322C	TOA	Japan
2	200W Power Amplifier 100V	XPA 2001-100V	Extron	U.S.A.
<u>Visual Equipment</u>				
3	Laser Projector and mtg bracket	EB-L210W / CP-505	Epson	Japan
4	Motorized projection screen Size : (3000mm x 3000mm)	Class 10A	LAV	Singapore
5	Two input DTP transmitter for HDMI and VGA with Audio, Decora, 70m white	DTP T UWP 4K 232 D	Extron	U.S.A.
6	DTP receiver for HDMI, 70m	DTP HDMI 4K 230 Rx	Extron	U.S.A.
7	5m VGA/Audio cable + 5m HDMI cable	2L-2505A + 2L- 7D05H	Aten	Taiwan



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EQUIPMENT LIST – AUDIO VISUAL SYSTEM (BLOCK 2 – L2, BF ROOM 02-06)

<u>No</u>	<u>Description</u>	<u>Model</u>	<u>Brand</u>	<u>Country Of Origin</u>
<u>Audio Equipment</u>				
1	5" full range ceiling speaker, 120W 8ohm, 30W 70V/100V	F-2322C	TOA	Japan
2	200W Power Amplifier 100V	XPA 2001-100V	Extron	U.S.A.
<u>Visual Equipment</u>				
3	Laser Projector and mtg bracket	EB-L210W / CP-505	Epson	Japan
4	Motorized projection screen Size : (3000mm x 3000mm)	Class 10A	LAV	Singapore
5	4 x 4 4K/60 HDMI Matrix Switcher with Audio Embedding	DXP 44 HD 4K PLUS	Extron	U.S.A.
6	Two input DTP transmitter for HDMI and VGA with Audio, Decora, 70m white	DTP T UWP 4K 232 D	Extron	U.S.A.
7	DTP receiver for HDMI, 70m	DTP HDMI 4K 230 Rx	Extron	U.S.A.
8	DTP Transmitter for HDMI	DTP HDMI 4K 230 Tx	Extron	U.S.A.
9	5m VGA/Audio cable + 5m HDMI cable	2L-2505A + 2L- 7D05H	Aten	Taiwan
<u>Control Equipment</u>				
10	PRO 5" Wired Touchpanel	TLP Pro 525T	Extron	U.S.A.
11	PRO xi Control Processor with 2 RS232, 1 IR, 2 relay	IPCP Pro 250 xi	Extron	U.S.A.
12	Control System I/O Expansion with 8 relay	IPL EXP RIO8	Extron	U.S.A.
13	POE Network switch	TL-SG1008P	TP Link	Singapore
14	LAN receptacle	-	Local Source	
15	19" equipment rack 22U (600W x 600D)	AF-EM-6622	Grandbright	Singapore



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EQUIPMENT LIST – AUDIO VISUAL SYSTEM (BLOCK 2 – L3, CONFERENCE ROOM 03-09)

<u>No</u>	<u>Description</u>	<u>Model</u>	<u>Brand</u>	<u>Country Of Origin</u>
<u>Audio Equipment</u>				
1	5" full range ceiling speaker, 120W 8ohm, 30W 70V/100V	F-2322C	TOA	Japan
2	200W Power Amplifier 100V	XPA 2001-100V	Extron	U.S.A.
<u>Visual Equipment</u>				
3	Laser Projector and mtg bracket	EB-L210W / CP-505	Epson	Japan
4	Motorized projection screen Size : (3000mm x 3000mm)	Class 10A	LAV	Singapore
5	65" Commercial UHD TV c/w remote control and power cord	65UR640S	LG	Korea
6	Mobile cart for TV, 55" ~ 80"	AVA1800-70-1P	North Bayou	U.S.A
7	8 input x 4 output 4K Scaling Presentation Matrix Switcher with Control Processor and DTP Extension, 100W/70V Mono Power Amplifier	DTP Crosspoint 84 4K IPCP Q MA 70	Extron	U.S.A.
8	Two input DTP transmitter for HDMI and VGA with Audio, Decora, 70m white	DTP T UWP 4K 232 D	Extron	U.S.A.
9	DTP receiver for HDMI, 70m	DTP HDMI 4K 230 Rx	Extron	U.S.A.
10	DTP Receiver for HDMI	DTP R HWP 4K 231 D	Extron	U.S.A.
11	DTP Transmitter for HDMI	DTP HDMI 4K 230 Tx	Extron	U.S.A.
12	5m VGA/Audio cable + 5m HDMI cable	2L-2505A + 2L- 7D05H	Aten	Taiwan
<u>Control Equipment</u>				
13	PRO 5" Wired Touchpanel	TLP Pro 525T	Extron	U.S.A.
14	PRO xi Control Processor with 2 RS232, 1 IR, 2 relay	IPCP Pro 250 xi	Extron	U.S.A.
15	POE Network switch	TL-SG1008P	TP Link	Singapore
16	LAN receptacle	-	Local Source	
17	UPS to backup Sound System for 15 minutes	Apex 1000	AEC	Italy
18	19" equipment rack 22U (600W x 600D)	AF-EM-6622	Grandbright	Singapore



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EQUIPMENT LIST – AUDIO VISUAL SYSTEM (BLOCK 2 – L1, ROOM A TO H 01-12 – 01-19)

<u>No</u>	<u>Description</u>	<u>Model</u>	<u>Brand</u>	<u>Country Of Origin</u>
<u>Audio Equipment</u>				
1	12x8 ProDSP Dante Digital Matrix Processor	DMP 128 FlexPlus C AT	Extron	U.S.A.
2	5" full range ceiling speaker, 120W 8ohm, 30W 70V/100V	F-2322C	TOA	Japan
3	2 x 200W Power Amplifier 70V/100V	XPA U 1004 SB	Extron	U.S.A.
4	4 x 100W Power Amplifier 100V	XPA U 1004-100V	Extron	U.S.A.
5	Condenser Boundary Microphone with Switch	U891RB	Audio- Technica	Japan
6	Microphone receptacle	-	Local Source	
7	Microphone pre-amplifier	MA1	Hirosys	Hong Kong
<u>Visual Equipment</u>				
8	Laser Projector and mtg bracket	EB-L520U / CP-505	Epson	Japan
9	Motorized projection screen Size : (3000mm x 3000mm)	Class 10A	LAV	Singapore
10	65" Commercial UHD TV c/w remote control and power cord	65UR640S	LG	Korea
11	Foldable arm bracket for 65" TV	LCD6402	Queenie	Singapore
12	1G Pro AV over IP Encoder - HDMI	NAV E 101	Extron	U.S.A.
13	HDMI wallplate	WPD 110 A	Extron	U.S.A.
14	5m VGA/Audio cable + 5m HDMI cable	2L-2505A + 2L- 7D05H	Aten	Taiwan
15	FHD PTZ 20x Camera	PTC-140	Datavideo	Taiwan
16	Camera Control Unit for PTC-140	RMC-180	Datavideo	Taiwan
<u>Control Equipment</u>				
17	PRO Control Processor with 3 RS232	IPCP Pro 350 xi	Extron	U.S.A.
18	Control System	IPL EXP RIO8	Extron	U.S.A.
19	Pro AV over IP System Manager	NAVigator	Extron	U.S.A.
20	NAVigator 48 Endpoints Upgrade	LinkLicense	Extron	U.S.A.



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EQUIPMENT LIST – AUDIO VISUAL SYSTEM (BLOCK 2 – L1, ROOM A TO H 01-12 – 01-19)

<u>No</u>	<u>Description</u>	<u>Model</u>	<u>Brand</u>	<u>Country Of Origin</u>
<u>Control Equipment</u>				
21	PRO 10" Wired Touchpanel - Table top, Black	TLP Pro 1025T	Extron	U.S.A.
22	5" full range ceiling speaker, 120W 8ohm, 30W 70V/100V	NBP 200	TOA	Japan
23	LAN receptacle & TV receptacle	-	Local Source	
24	Dimmer control system c/w 1 set of 4x10A HF Dimmer, 1 set of Power supply unit, 1 set of RS232 AV Interface, 1 set of 10 Buttons switch and 1 set of Enclosure c/w MCBs	-	Local Source	
<u>Network Switch</u>				
25	48 port 1000Base-T PoE+ Managed Switch	M4250-40G8XF-PoE+	Netgear	U.S.A.
26	24 port 1000Base-T PoE Managed Switch	GS728TP	Netgear	U.S.A.
27	3m Passive SFP+ Direct Attach Cable	AXC763	Netgear	U.S.A.
<u>Others</u>				
28	3KVA / UPS c/w 8pcs 9AH batteries (built-in) & 8pcs 9AH (in battery cabinet) to backup Sound System for 15 minutes	ST3030C	AEC	Italy
29	19" equipment rack 45U (600W x 600D)	AF-EM-6645	Grandbright	Singapore



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EQUIPMENT LIST – AUDIO VISUAL SYSTEM (BLOCK 2 – L3, DISCUSSION ROOM)

<u>No</u>	<u>Description</u>	<u>Model</u>	<u>Brand</u>	<u>Country Of Origin</u>
<u>Visual Equipment</u>				
1	65" Commercial UHD TV c/w remote control and power cord	65UR640S	LG	Korea
2	Foldable arm bracket for 65" TV	LCD6402	Queenie	Singapore
3	Two input DTP transmitter for HDMI and VGA with Audio, Decora, 70m white	DTP T UWP 4K 232 D	Extron	U.S.A.
4	DTP receiver for HDMI, 70m	DTP HDMI 4K 230 Rx	Extron	U.S.A.
5	5m VGA/Audio cable + 5m HDMI cable	2L-2505A + 2L- 7D05H	Aten	Taiwan



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EQUIPMENT LIST – AUDIO VISUAL SYSTEM (BLOCK 2 – L2, R-ROOM 02-07)

No	Description	Model	Brand	Country Of Origin
Audio Equipment				
1	5” full range ceiling speaker, 120W 8ohm, 30W 70V/100V	F-2322C	TOA	Japan
2	200W Power Amplifier 100V	XPA 2001-100V	Extron	U.S.A.
Visual Equipment				
3	65" Commercial UHD TV c/w remote control and power cord	65UR640S	LG	Korea
4	Foldable arm bracket for 65" TV	LCD6402	Queenie	Singapore
5	8 input x 4 output 4K Scaling Presentation Matrix Switcher with Control Processor and DTP Extension, 100W/70V Mono Power Amplifier	DTP Crosspoint 84 4K IPCP Q MA 70	Extron	U.S.A.
6	Two input DTP transmitter for HDMI and VGA with Audio, Decora, 70m white	DTP T UWP 4K 232 D	Extron	U.S.A.
7	DTP receiver for HDMI, 70m	DTP HDMI 4K 230 Rx	Extron	U.S.A.
8	DTP Transmitter for HDMI	DTP HDMI 4K 230 Tx	Extron	U.S.A.
9	5m VGA/Audio cable + 5m HDMI cable	2L-2505A + 2L-7D05H	Aten	Taiwan
Control Equipment				
10	PRO 5" Wired Touchpanel	TLP Pro 525T	Extron	U.S.A.
11	POE Network switch	TL-SG1008P	TP Link	Singapore
12	LAN receptacle	-	Local Source	
Others				
13	19" equipment rack 22U (600W x 600D)	AF-EM-6622	Grandbright	Singapore



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EQUIPMENT LIST – AUDIO VISUAL SYSTEM (BLOCK 2 – L1, DC-ROOM 01-14)

No	Description	Model	Brand	Country Of Origin
Audio Equipment				
1	5'' full range ceiling speaker, 120W 8ohm, 30W 70V/100V	F-2322C	TOA	Japan
2	200W Power Amplifier 100V	XPA 2001-100V	Extron	U.S.A.
Visual Equipment				
3	Laser Projector and mtg bracket	EB-L210W / CP-505	Epson	Japan
4	Motorized projection screen Size : (3000mm x 3000mm)	Class 10A	LAV	Singapore
5	8 input x 4 output 4K Scaling Presentation Matrix Switcher with Control Processor and DTP Extension, 100W/70V Mono Power Amplifier	DTP Crosspoint 84 4K IPCP Q MA 70	Extron	U.S.A.
6	Two input DTP transmitter for HDMI and VGA with Audio, Decora, 70m white	DTP T UWP 4K 232 D	Extron	U.S.A.
7	DTP receiver for HDMI, 70m	DTP HDMI 4K 230 Rx	Extron	U.S.A.
8	DTP Transmitter for HDMI	DTP HDMI 4K 230 Tx	Extron	U.S.A.
9	5m VGA/Audio cable + 5m HDMI cable	2L-2505A + 2L-7D05H	Aten	Taiwan
10	1G Pro AV over IP Scaling Decoder - HDMI	NAV SD 101	Extron	U.S.A.
Control Equipment				
11	PRO 7" Wired Touchpanel	TLP Pro 725T	Extron	U.S.A.
12	IP Link Accessory with 4 Relays	IPA T RLY4	Extron	U.S.A.
13	POE Network switch	TL-SG1008P	TP Link	Singapore
14	LAN receptacle	-	Local Source	
15	Dimmer control system c/w 1 set of 4x10A HF Dimmer, 1 set of Power supply unit, 1 set of RS232 AV Interface, 1 set of 10 Buttons switch and 1 set of Enclosure c/w MCBs	-	Local Source	
Others				
17	UPS to backup Sound System for 15 minutes	Apex 1000	AEC	Italy
18	19" equipment rack 22U (600W x 600D)	AF-EM-6622	Grandbright	Singapore



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EQUIPMENT LIST – AUDIO VISUAL SYSTEM (BLOCK 2 – L3, OOTW ROOM)

<u>No</u>	<u>Description</u>	<u>Model</u>	<u>Brand</u>	<u>Country Of Origin</u>
<u>Visual Equipment</u>				
1	65" Commercial UHD TV c/w remote control and power cord	65UR640S	LG	Korea
2	Foldable arm bracket for 65" TV	LCD6402	Queenie	Singapore
3	Two input DTP transmitter for HDMI and VGA with Audio, Decora, 70m white	DTP T UWP 4K 232 D	Extron	U.S.A.
4	DTP receiver for HDMI, 70m	DTP HDMI 4K 230 Rx	Extron	U.S.A.
5	5m VGA/Audio cable + 5m HDMI cable	2L-2505A + 2L- 7D05H	Aten	Taiwan