

APPENDIX "I"

Building C

Room Equipment List

Estimates

Room Equipment List

Appendix I

The following list of rooms are what CMHC envisions will be used in the Building C at 700 Montreal road. This Appendix is included here to give the proponents an idea of size and scale of the Audio Visual project that will be undertaken once the construction is completed and CMHC is allowed to install all the AV equipment. The number of rooms and quantity of equipment may change for the final order as well as the time required to install is uncertain at this point. However, the challenge will be great and CMHC is looking for a contractor that can meet the challenge and prove they can be successful in delivering on CMHC's work place transformation. The equipment listed is based on the designs thus far and are subject to change. All equipment and part numbers are indicated to convey the design intent. All components listed below are minimum acceptable equipment. The proponent may offer other equipment equivalent to or greater than the list below once selected as the winning proponent. The proponent must provide all miscellaneous cables and small parts that are not listed to provide a complete turnkey system.

1. Type 1 – Focus Room

Type 1		Bill of Materials	
Room Type Qty:	64		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
OFE	BENQ	OFE BENQ 27" Display	1
FTR1U	CHIEF	Small Flat Panel Tilt Wall Mount	1
VIDEO SYSTEM			
MP-WP152-B	CRESTRON	Media Presentation Wall Plate - HDMI®, Black	1
CBL-HD-3	CRESTRON	Crestron® Certified HDMI® Interface Cable, 18 Gbps, 3 ft (0.91 m)	2
CONTROL SYSTEM			
TSS-7-W-S-LB KIT	CRESTRON	7" Room Scheduling Touch Screen, White Smooth, With Multi-Surface Mount Kit & Room Availability Light Bar	1
INCIDENTALS			
Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1
// END TYPE1			

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2. Type 2 – T2 - Meeting Room (3-4 ppl)

Type 2		Bill of Materials	
Room Type Qty:	10		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
43UV340C	LG	43" UHD Flat Panel Display - Commercial Lite w/ Commercial Warranty	1
MTA1U	CHIEF	Medium Fusion Tilt Wall Mount	1
CONTROL SYSTEM			
TSS-7-W-S-LB KIT	CRESTRON	7" Room Scheduling Touch Screen, White Smooth, With Multi-Surface Mount Kit & Room Availability Light Bar	1
VIDEO COLLABORATION SYSTEM			
7200-25500-019	POLYCOM	Poly RealPresence Trio 8800 Collaboration Kit - video conferencing kit - wi	1
INCIDENTALS			
Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1

// END TYPE2

3. Type 3 – T3 - Meeting Room (5-6 ppl)

Type 3		Bill of Materials	
Room Type Qty:	10		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
HP6-00001	MICROSOFT	55" Surface Hub	1
MTA1U	CHIEF	Medium Fusion Tilt Wall Mount	1
CONTROL SYSTEM			
TSS-7-W-S-LB KIT	CRESTRON	7" Room Scheduling Touch Screen, White Smooth, With Multi-Surface Mount Kit & Room Availability Light Bar	1
VIDEO COLLABORATION SYSTEM			
7200-25500-019	POLYCOM	Poly RealPresence Trio 8800 Collaboration Kit - video conferencing kit - wi	1
INCIDENTALS			
Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1

// END TYPE 3

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4. Type 4 – T4 - Meeting Room (6-12 ppl)

Type 4		Bill of Materials	
Room Type Qty:	33		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
HP7-00001	MICROSOFT	84" Surface Hub	1
XTM1U	CHIEF	X-Large Fusion Micro-Adjustable Tilt Wall Mount	1
AUDIO SYSTEM			
2200-66070-001	POLYCOM	Poly RealPresence Trio 8800 - conference VoIP phone - Bluetooth interface	1
CONTROL SYSTEM			
TSS-7-W-S-LB KIT	CRESTRON	7" Room Scheduling Touch Screen, White Smooth, With Multi-Surface Mount Kit & Room Availability Light Bar	1
VIDEO COLLABORATION SYSTEM			
7200-63550-001	POLYCOM	Poly RealPresence Group 500-720p - video conferencing kit	1
5150-65083-001	POLYCOM	Skype Interop Licence	1
8200-84190-001	POLYCOM	Poly RealPresence Touch - touchscreen - Ethernet	1
INCIDENTALS			
Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1

// END TYPE4

5. Type 5 – T5 - Meeting Room (15-20 ppl)

Type 5		Bill of Materials	
Room Type Qty:	1		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
HP7-00001	MICROSOFT	84" Surface Hub	2
XTM1U	CHIEF	X-Large Fusion Micro-Adjustable Tilt Wall Mount	2
AUDIO SYSTEM			
2200-66070-001	POLYCOM	Poly RealPresence Trio 8800 - conference VoIP phone - Bluetooth interface	1
CONTROL SYSTEM			
TSS-7-W-S-LB KIT	CRESTRON	7" Room Scheduling Touch Screen, White Smooth, With Multi-Surface Mount Kit & Room Availability Light Bar	1
VIDEO COLLABORATION SYSTEM			
7200-63550-001	POLYCOM	Poly RealPresence Group 500-720p - video conferencing kit	1
5150-65083-001	POLYCOM	Skype Interop Licence	1
8200-84190-001	POLYCOM	Poly RealPresence Touch - touchscreen - Ethernet	1
INCIDENTALS			
Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1

// END TYPE 5

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6. Type 6 – Executive Meeting Room

Type 6		Bill of Materials	
Room Type Qty:	1		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
55VM5B-A	LG	55" Ultra Narrow Bezel Video Wall Display 500 cd/m ² 0.9 (top/bottom/left/right even bezel) mm (1.8mm)	4
LVS1U	CHIEF	ConnexSys™ Video Wall Landscape Mounting System with Rails	4
HP6-00001	MICROSOFT	55" Surface Hub	1
MTA1U	CHIEF	Medium Fusion Tilt Wall Mount	1
AUDIO SYSTEM			
MXA910W	SHURE	24" Ceiling Array Microphone with Shure® IntelliMix® DSP Suite - White	1
AD-C6T-LP	QSC	6.5" 2-way low profile ceiling loudspeaker - White - Pair	4
CORE 110F	QSC	DSP Audio processor, 16CH AEC, POTS, VOIP	1
SL-QSE-110-P	QSC	Scripting deployment license for CORE110f	1
SPA4-60	QSC	Energy Star Commercial Amplifier, 4Ch x 60W (2Ch x 250W @ 70V)	1
VIDEO SYSTEM			
DM-XIO-DIR-80	CRESTRON	DigitalMedia™ XiO Director – Virtual Switching Appliance for 80 Endpoints	1
DM-NVX-350	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder/Decoder	5
DM-NVX-E30C	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder Card	4
DM-NVX-D30C	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Decoder Card	4
DMF-CI-8	CRESTRON	DigitalMedia™ Card Chassis for DM-NVX-C & DMCF, 8 Slots	1
DM-NVX-E30	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder	3
AM-200	CRESTRON	AirMedia® Presentation System 200	1
CONTROL SYSTEM			
TSS-7-W-S-LB KIT	CRESTRON	7" Room Scheduling Touch Screen, White Smooth, With Multi-Surface Mount Kit & Room Availability Light Bar	1
TSW-1060-NC-W-S	CRESTRON	10.1" Touch Screen Without Camera or Microphone, White Smooth	1
TSW-1060-TTK-W-S	CRESTRON	Tabletop Kit for TSW-1060, White Smooth	1
CP3N	CRESTRON	3-Series Control System®	1
GLS-ODT-C-CN	CRESTRON	Dual-Technology Occupancy Sensor with Cresnet®, 2000 Sq. Ft.	1
SG350X-48P	CISCO	48-Port Gigabit PoE Stackable Managed Switch	1
VIDEO COLLABORATION SYSTEM			
7200-64270-001	POLYCOM	Poly RealPresence Group 700-720p with EagleEye IV 12x Camera - video confer	1
5150-65083-001	POLYCOM	Skype Interop Licence	1
8200-84190-001	POLYCOM	Poly RealPresence Touch - touchscreen - Ethernet	1
7230-69420-001	POLYCOM	Polycom EagleEye Director II - video conferencing kit - with 2 x EagleEye I	1
EQUIPMENT STORAGE			
BGR-25SA27MDK-EA	MIDDLE ATLANTIC	25 RU Pre Configured Equipment Rack 31 7/20" D X 50" H Ebony Ash	1
70-1184-02	EXTRON	Cable Cubby 1202 Black, AC Module Not Included	8
60-1782-01	EXTRON	AC+USB-C+USB-A, US	8
70-090-11	EXTRON	Single Space AAP - Black: Blank Plate	6
70-100-11	EXTRON	Double Space AAP - Black: Two RJ-45 Female to Female Barrels	6
70-1065-04	EXTRON	Cable Retraction System for Cable Cubby® Enclosures - HDMI Male to Male	2
70-1065-03	EXTRON	Cable Retraction System for AVEdge, Cable Cubby®, select TouchLink® Enclosures, and TMK 120 R Kit - Network CAT 6	2
70-1065-35	EXTRON	With Blank & Cable Pass-through Plates	2
UPS-2200R-8	MIDDLE ATLANTIC	PREMIUM SERIES UPSRACKMOUNT POWER, 8 OUTLET, 2150VA/1650W, INDIV. OUTLET	1
INCIDENTALS			

Room Equipment List

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Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1
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// END TYPE 6

7. Type 7 – Divisible Training Rm (2-way)

Type 7		Bill of Materials	
Room Type Qty:	1		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
V11H901020	EPSON	PowerLite L610U Wireless WUXGA 3LCD Laser Projector, 6000L	2
29668LS	DALITE	Tensioned Advantage Electrol, 16:10 aspect, 109" Diagonal, Parallax 0.8 Ambient Light Rejecting	2
RPMAU	CHIEF	RPA Elite Universal Projector Mount with Keyed Locking	2
MISC	CHIEF	POLE & FLANGE	2
AUDIO SYSTEM			
MXA910W	SHURE	24" Ceiling Array Microphone with Shure® IntelliMix® DSP Suite - White	2
AD-C6T-LP	QSC	6.5" 2-way low profile ceiling loudspeaker - White - Pair	6
CORE 110F	QSC	DSP Audio processor, 16CH AEC, POTS, VOIP	1
SL-QSE-110-P	QSC	Scripting deployment license for CORE110f	1
SPA4-60	QSC	Energy Star Commercial Amplifier, 4Ch x 60W (2Ch x 250W @ 70V)	1
VIDEO SYSTEM			
DM-NVX-350	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder/Decoder	2
DM-NVX-E30C	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder Card	2
DM-NVX-D30C	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Decoder Card	2
DMF-CI-8	CRESTRON	DigitalMedia™ Card Chassis for DM-NVX-C & DMCF, 8 Slots	1
DM-NVX-E30	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder	2
AM-200	CRESTRON	AirMedia® Presentation System 200	2
CONTROL SYSTEM			
TSS-7-W-S-LB KIT	CRESTRON	7" Room Scheduling Touch Screen, White Smooth, With Multi-Surface Mount Kit & Room Availability Light Bar	2
TSW-1060-NC-W-S	CRESTRON	10.1" Touch Screen Without Camera or Microphone, White Smooth	2
CP3N	CRESTRON	3-Series Control System®	1
GLS-ODT-C-CN	CRESTRON	Dual-Technology Occupancy Sensor with Cresnet®, 2000 Sq. Ft.	2
GLS-PART-CN	CRESTRON	Cresnet® Partition Sensor	1
VIDEO COLLABORATION SYSTEM			
PTZ-IP 12x72	QSC	PTZ-IP Conference Camera	2
I/O-USB	QSC	QSC Q-SYS USB Bridge	2
RANGER 2301	ICRON	USB 2.0 Extender	2
USB 2.0 Hub	GENERIC	USB 2.0 Powered Hub (4-ports)	2
INCIDENTALS			
Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1

// END TYPE 7

Room Equipment List

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8. Type 8 – Divisible Training Rm (3-way)

Type 8		Bill of Materials	
Room Type Qty:	1		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
V11H901020	EPSON	PowerLite L610U Wireless WUXGA 3LCD Laser Projector, 6000L	3
29668LS	DALITE	Tensioned Advantage Electrol, 16:10 aspect, 109" Diagonal, Parallax 0.8 Ambient Light Rejecting	3
RPMAU	CHIEF	RPA Elite Universal Projector Mount with Keyed Locking	3
MISC	CHIEF	POLE & FLANGE	3
AUDIO SYSTEM			
MXA910W	SHURE	24" Ceiling Array Microphone with Shure® IntelliMix® DSP Suite - White	3
AD-C6T-LP	QSC	6.5" 2-way low profile ceiling loudspeaker - White - Pair	9
CORE 110F	QSC	DSP Audio processor, 16CH AEC, POTS, VOIP	1
SL-QSE-110-P	QSC	Scripting deployment license for CORE110f	1
SPA4-60	QSC	Energy Star Commercial Amplifier, 4Ch x 60W (2Ch x 250W @ 70V)	1
VIDEO SYSTEM			
DM-NVX-350	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder/Decoder	3
DM-NVX-E30C	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder Card	3
DM-NVX-D30C	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Decoder Card	3
DMF-CI-8	CRESTRON	DigitalMedia™ Card Chassis for DM-NVX-C & DMCF, 8 Slots	1
DM-NVX-E30	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder	3
AM-200	CRESTRON	AirMedia® Presentation System 200	3
CONTROL SYSTEM			
TSS-7-W-S-LB KIT	CRESTRON	7" Room Scheduling Touch Screen, White Smooth, With Multi-Surface Mount Kit & Room Availability Light Bar	3
TSW-1060-NC-W-S	CRESTRON	10.1" Touch Screen Without Camera or Microphone, White Smooth	3
CP3N	CRESTRON	3-Series Control System®	1
GLS-ODT-C-CN	CRESTRON	Dual-Technology Occupancy Sensor with Cresnet®, 2000 Sq. Ft.	3
GLS-PART-CN	CRESTRON	Cresnet® Partition Sensor	2
VIDEO COLLABORATION SYSTEM			
PTZ-IP 12x72	QSC	PTZ-IP Conference Camera	3
I/O-USB	QSC	QSC Q-SYS USB Bridge	3
RANGER 2301	ICRON	USB 2.0 Extender	3
USB 2.0 Hub	GENERIC	USB 2.0 Powered Hub (4-ports)	3
INCIDENTALS			
Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1

// END TYPE 8

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9. 9 – Project Rm (Medium)

Type 9		Bill of Materials	
Room Type Qty:	12		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
HP7-00001	MICROSOFT	84" Surface Hub	1
HV3-00002	MICROSOFT	84" Rolling Stand	1
CONTROL SYSTEM			
TSS-7-W-S-LB KIT	CRESTRON	7" Room Scheduling Touch Screen, White Smooth, With Multi-Surface Mount Kit & Room Availability Light Bar	1
INCIDENTALS			
Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1

// END TYPE9

10. Type 10 – Project Rm (Large)

Type 10		Bill of Materials	
Room Type Qty:	5		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
HP7-00001	MICROSOFT	84" Surface Hub	1
HV3-00002	MICROSOFT	84" Rolling Stand	1
CONTROL SYSTEM			
TSS-7-W-S-LB KIT	CRESTRON	7" Room Scheduling Touch Screen, White Smooth, With Multi-Surface Mount Kit & Room Availability Light Bar	1
INCIDENTALS			
Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1

// END TYPE10

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11. Type 11 – OpenCollab

Type 11		Bill of Materials	
Room Type Qty:	1		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
HP7-00001	MICROSOFT	84" Surface Hub	1
XTM1U	CHIEF	X-Large Fusion Micro-Adjustable Tilt Wall Mount	1
AUDIO SYSTEM			
AD-C6T-LP	QSC	6.5" 2-way low profile ceiling loudspeaker - White - Pair	4
CORE 110F	QSC	DSP Audio processor, 16CH AEC, POTS, VOIP	1
SL-QSE-110-P	QSC	Scripting deployment license for CORE110f	1
SPA2-60	QSC	Energy Star Commercial Amplifier, 2Ch x 60W (1Ch x 250W @ 70V)	1
ULXD4D	SHURE	Dual-Channel Digital Wireless Receiver	1
ULXD8	SHURE	Wireless Gooseneck Base Transmitter	1
ULXD1	SHURE	Digital Bodypack Transmitter	1
UA825	SHURE	25-foot coaxial cable offers BNC to BNC connection.	1
UA505	SHURE	Antenna mounting bracket kit	1
MX415LP/C	SHURE	15-Inch Gooseneck Microphone	1
WCB6B	SHURE	Premium Subminiature Lavalier Microphone	1
VIDEO SYSTEM			
DM-XIO-DIR-80	CRESTRON	DigitalMedia™ XiO Director – Virtual Switching Appliance for 80 Endpoints	1
DM-NVX-350	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder/Decoder	1
DM-NVX-E30C	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder Card	2
DM-NVX-D30C	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Decoder Card	2
DMF-CI-8	CRESTRON	DigitalMedia™ Card Chassis for DM-NVX-C & DMCF, 8 Slots	1
DM-NVX-E30	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder	1
AM-200	CRESTRON	AirMedia® Presentation System 200	1
CONTROL SYSTEM			
TSW-1060-NC-W-S	CRESTRON	10.1" Touch Screen Without Camera or Microphone, White Smooth	1
CP3N	CRESTRON	3-Series Control System®	1
SG350X-24P	CISCO	24-Port Gigabit PoE Stackable Managed Switch	1
VIDEO COLLABORATION SYSTEM			
PTZ-IP 12x72	QSC	PTZ-IP Conference Camera	1
I/O-USB	QSC	QSC Q-SYS USB Bridge	1
RANGER 2301	ICRON	USB 2.0 Extender	1
USB 2.0 Hub	GENERIC	USB 2.0 Powered Hub (4-ports)	1
EQUIPMENT STORAGE			
BGR-25SA27MDK-EA	MIDDLE ATLANTIC	25 RU Pre Configured Equipment Rack 31 7/20" D X 50" H Ebony Ash	1
INCIDENTALS			
Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1

// END TYPE 11

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12. Type 12 – KnowledgeCentre

Type 12		Bill of Materials	
Room Type Qty:	1		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
75UV340C	LG	75" UHD Flat Panel Display - Commercial Lite w/ Commercial Warranty	1
XTM1U	CHIEF	X-Large Fusion Micro-Adjustable Tilt Wall Mount	1
AUDIO SYSTEM			
SAROS SB-200-P-B	CRESTRON	Saros® Sound Bar 200, Powered, Black	
CONTROL SYSTEM			
R9861520NA	BARCO	Clickshare CSE-200 Base Unit System (CSE-200 Base unit & 2 Buttons)	1
INCIDENTALS			
Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1

// END TYPE12

13. Type 13 – InnovationCentre

Type 13		Bill of Materials	
Room Type Qty:	1		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
Microsoft's Surface Hub 2S	MICROSOFT	50" Surface Hub	5
Microsoft's Surface Hub 2S/Cart	MICROSOFT	50" Surface Hub with Cart	4
INCIDENTALS			
Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1

// END TYPE13

Room Equipment List

Appendix I

14. Type 14 – Multi-Purpose Fitness Rooms

Type 14		Bill of Materials	
Room Type Qty:	1		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
43UV340C	LG	43" UHD Flat Panel Display - Commercial Lite w/ Commercial Warranty	4
MTA1U	CHIEF	Medium Fusion Tilt Wall Mount	4
AUDIO SYSTEM			
AD-C6T-LP	QSC	6.5" 2-way low profile ceiling loudspeaker - White - Pair	4
CORE 110F	QSC	DSP Audio processor, 16CH AEC, POTS, VOIP	1
SL-QSE-110-P	QSC	Scripting deployment license for CORE110f	1
SPA2-60	QSC	Energy Star Commercial Amplifier, 2Ch x 60W (1Ch x 250W @ 70V)	1
ULXD4D	SHURE	Dual-Channel Digital Wireless Receiver	2
ULXD1	SHURE	Digital Bodypack Transmitter	4
UA825	SHURE	25-foot coaxial cable offers BNC to BNC connection.	4
UA505	SHURE	Antenna mounting bracket kit	3
WCB6B	SHURE	Premium Subminiature Lavalier Microphone	4
VIDEO SYSTEM			
DM-XIO-DIR-80	CRESTRON	DigitalMedia™ XiO Director – Virtual Switching Appliance for 80 Endpoints	1
DM-NVX-D30	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Decoder	4
DM-NVX-E30C	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder Card	4
DM-NVX-D30C	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Decoder Card	4
DMF-CI-8	CRESTRON	DigitalMedia™ Card Chassis for DM-NVX-C & DMCf, 8 Slots	1
AM-200	CRESTRON	AirMedia® Presentation System 200	1
CONTROL SYSTEM			
TSW-760-B-S	CRESTRON	7" Touch Screen, Black Smooth	1
CP3N	CRESTRON	3-Series Control System®	1
SG350X-24P	CISCO	24-Port Gigabit PoE Stackable Managed Switch	1
EQUIPMENT STORAGE			
BGR-25SA27MDK-EA	MIDDLE ATLANTIC	25 RU Pre Configured Equipment Rack 31 7/20" D X 50" H Ebony Ash	1
OWNER FURNISHED EQUIPMENT			
CABLE TV SOURCE			4
BGM SOURCE			4
INCIDENTALS			
Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1

// END TYPE14

Room Equipment List

Appendix I

15. Type 15 – MTG ROOM XLRG-A

Type 15		Bill of Materials	
Room Type Qty:	1		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
43UV340C	LG	43" UHD Flat Panel Display - Commercial Lite w/ Commercial Warranty	4
MTA1U	CHIEF	Medium Fusion Tilt Wall Mount	4
AUDIO SYSTEM			
AD-C6T-LP	QSC	6.5" 2-way low profile ceiling loudspeaker - White - Pair	4
SPA2-60	QSC	Energy Star Commercial Amplifier, 2Ch x 60W (1Ch x 250W @ 70V)	1
VIDEO SYSTEM			
DM-NVX-E30	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder	4
CONTROL SYSTEM			
TSW-760-B-S	CRESTRON	7" Touch Screen, Black Smooth	1
INCIDENTALS			
Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1

// END TYPE15

16. Type 16 – Weight Room

Type 15		Bill of Materials	
Room Type Qty:	1		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
43UV340C	LG	43" UHD Flat Panel Display - Commercial Lite w/ Commercial Warranty	4
MTA1U	CHIEF	Medium Fusion Tilt Wall Mount	4
AUDIO SYSTEM			
AD-C6T-LP	QSC	6.5" 2-way low profile ceiling loudspeaker - White - Pair	4
SPA2-60	QSC	Energy Star Commercial Amplifier, 2Ch x 60W (1Ch x 250W @ 70V)	1
VIDEO SYSTEM			
DM-NVX-E30	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder	4
CONTROL SYSTEM			
TSW-760-B-S	CRESTRON	7" Touch Screen, Black Smooth	1
INCIDENTALS			
Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1

// END TYPE 16

Room Equipment List

Appendix I

17. Type 17 - TownHall

Type 17		Bill of Materials	
Room Type Qty:	1		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
PLANAR CUSTOM 1	PLANAR	Custom Vidio Wall	1
75UV340C	LG	75" UHD Flat Panel Display - Commercial Lite w/ Commercial Warranty	4
LPAU	CHIEF	Large Fusion™ Manual Height Adjustable Mobile AV Cart	4
AUDIO SYSTEM			
CORE 500I	QSC	DSP Audio processor, 8 Cards Slots, VOIP	1
CODP4-KIT	QSC	Dataport Output Card - 2 Dataports, 4Ch	2
CIML4-KIT	QSC	Mic/Line Input Card - 4Ch	4
SL-QSE-510-P	QSC	Scripting deployment license for CORE510i	1
SPA4-100	QSC	Energy Star Commercial Amplifier, 4Ch x 100W (2Ch x 350W @ 70V)	1
AC-C8T	QSC	8" ceiling loudspeaker - White - Pair	12
AD-S8TBW	QSC	8-inch 2-way, 105° conical DMT	4
AD-YMS8TW	QSC	AD-S8TBW YOKE MOUNT	4
AD-S802T	QSC	Column Surface-Mount Loudspeaker	4
MICROFLEX WIRELESS	SHURE	Wireless Microphone System	1
VIDEO SYSTEM			
DM-XIO-DIR-80	CRESTRON	DigitalMedia™ XiO Director – Virtual Switching Appliance for 80 Endpoints	1
DM-NVX-350	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder/Decoder	8
DM-NVX-E30C	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder Card	4
DM-NVX-D30C	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Decoder Card	4
DMF-CI-8	CRESTRON	DigitalMedia™ Card Chassis for DM-NVX-C & DMCF, 8 Slots	1
DM-NVX-E30	CRESTRON	DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder	3
AM-200	CRESTRON	AirMedia® Presentation System 200	1
Video Processor	TBD	Video Processor	1
CONTROL SYSTEM			
TSW-1060-NC-W-S	CRESTRON	10.1" Touch Screen Without Camera or Microphone, White Smooth	2
TSW-1060-TTK-W-S	CRESTRON	Tabletop Kit for TSW-1060, White Smooth	1
CP3N	CRESTRON	3-Series Control System®	1
SG350X-48P	CISCO	48-Port Gigabit PoE Stackable Managed Switch	1
VIDEO COLLABORATION SYSTEM			
PTZ-IP 12x72	QSC	PTZ-IP Conference Camera	2
I/O-USB	QSC	QSC Q-SYS USB Bridge	2
RANGER 2301	ICRON	USB 2.0 Extender	2
USB 2.0 Hub	GENERIC	USB 2.0 Powered Hub (4-ports)	2
EQUIPMENT STORAGE			
BGR-25SA27MDK-EA	MIDDLE ATLANTIC	25 RU Pre Configured Equipment Rack 31 7/20" D X 50" H Ebony Ash	1
UPS-2200R-8	MIDDLE ATLANTIC	PREMIUM SERIES UPSRACKMOUNT POWER, 8 OUTLET, 2150VA/1650W, INDIV. OUTLET	1
INCIDENTALS			
Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1

// END TYPE 17

Room Equipment List

Appendix I

18. Type 18 – Booth

Type 18		Bill of Materials	
Room Type Qty:	3		
ITEM	MFR	DESCRIPTION	QTY
DISPLAY(S)			
OFE	BENQ	OFE BENQ 27" Display	1
FTR1U	CHIEF	Small Flat Panel Tilt Wall Mount	1
VIDEO SYSTEM			
MP-WP152-B	CRESTRON	Media Presentation Wall Plate - HDMI®, Black	1
CBL-HD-3	CRESTRON	Crestron® Certified HDMI® Interface Cable, 18 Gbps, 3 ft (0.91 m)	2
INCIDENTALS			
Incidentals	AV Contractor	All additional incidental materials required to complete the installation such as, but not limited to: cabling, connectors, anchors, trim rings, installation support hardware, cable ties, labels, interface plates, blank and vent rack panels, rack lacing bars, rack screws.	1

// END TYPE 18