

ELECTRICAL ADDENDUM

Project Name: Seneca College – K3170
Project Address: 1750 Finch Ave E, Toronto
Issued By: Igor Milevski
Project No.: 24-018-007

Issued Date: April 19, 2024
Addendum No.: 1
Architect:
Attention:

The following revisions and additions shall form part of the contract documents. The drawings and specifications are amended as follows.

Description:

1. Drawing #E4.0 (Re-Issued)
 - 1.1. Added one (1) data outlet for AV FPD3-305 in Open Engineering K3170.
 - 1.2. Deleted 8-gang floor box in Open Engineering K3170.
 - 1.3. Deleted mounting height information for AV camera in Open Engineering K3170.

End of Addendum

ELECTRICAL EQUIPMENT SCHEDULE									
				ELECTRICAL DATA					
EQ.#	EQUIPMENT	QTY	DESCRIPTION	HP	VOLT	AMP	KW	OUTLET TYPE	NOTES
	MAKER AREA								
1	DRILL PRESS	1	KING CANADA 83705 NOVA VIKING DVR 16" DRILL PRESS	1	120	15.0	1.8	5-15R	C/W EMERGENCY STOP SPD IS REQUIRED
2	REWORK STATION	1	WELLER WR3000 REWORK STATIONS		120	3.3	0.4	5-15R	C/W LOCAL SWITCH ON THE UNIT PC CONNECTIVITY
3	AIR SCRUBBER FOR SOLDERING IRON	1	FA-430 WITH DUCT & ROUND NOZZLE (USD TO CAD)		120	0.9	0.11	5-15R	C/W LOCAL SWITCH ON THE UNIT
4	3D PRINTER	1	ULTIMAKER S7		120	4.2	0.5	5-15R	C/W LOCAL SWITCH ON THE UNIT PC CONNECTIVITY & LAN
5	SHOP VAC	1	RIDGID NXT 45L (12 GAL.) 5.0 PEAK HP	5	120	9.0	1.08	5-15R	C/W LOCAL SWITCH ON THE UNIT PC CONNECTIVITY & LAN
6	DIGITAL MULTI-METER	2	34461A DIGITAL MULTI-METER		120	0.2	0.025	5-15R	C/W LOCAL SWITCH ON THE UNIT PC CONNECTIVITY & LAN
7	DIGITAL STORAGE OSCILLOSCOPE	1	MSOX2004A MIXED SIGNAL OSCILLOSCOPE: 70 MHZ, 4 ANALOG PLUS 8 DIGITAL CHANNELS		120	0.8	0.1	5-15R	C/W LOCAL SWITCH ON THE UNIT PC CONNECTIVITY & LAN
8	DC VARIABLE POWER SUPPLY	1	KEYSIGHT E36234A BENCH POWER SUPPLY		120	6.7	0.8	5-15R	C/W LOCAL SWITCH ON THE UNIT PC CONNECTIVITY & LAN
9	WAVEFORM GENERATOR	1	KEYSIGHT 33521B WAVEFORM GENERATOR, 30 MHZ, 1-CHANNEL WITH ARB		120	1.3	0.15	5-15R	C/W LOCAL SWITCH ON THE UNIT PC CONNECTIVITY & LAN
	HARDWARE TOOLS	1	PILERS, WIRE CUTTERS, SCREW DRIVERS, HAND SAWS, POWER TOOLS						
	STARTUP SUPPLIES (10%)		DRILL BIT, FILAMENT						
	CAPSTONE ROOM (EACH)								
10	DIGITAL MULTI-METER	2	34461A DIGITAL MULTI-METER		120	0.2	0.025	5-15R	C/W LOCAL SWITCH ON THE UNIT PC CONNECTIVITY & LAN
11	DIGITAL STORAGE OSCILLOSCOPE	1	NSOX2004A MIXED SIGNAL OSCILLOSCOPE: 70 MHZ, 4 ANALOG PLUS 8 DIGITAL CHANNELS		120	0.8	0.1	5-15R	C/W LOCAL SWITCH ON THE UNIT PC CONNECTIVITY & LAN
12	DC VARIABLE POWER SUPPLY	1	KEYSIGHT E36234A BENCH POWER SUPPLY		120	6.7	0.8	5-15R	C/W LOCAL SWITCH ON THE UNIT PC CONNECTIVITY & LAN
13	WAVEFORM GENERATOR	1	KEYSIGHT 33521B WAVEFORM GENERATOR, 30 MHZ, 1-CHANNEL WITH ARB		120	1.3	0.15	5-15R	C/W LOCAL SWITCH ON THE UNIT PC CONNECTIVITY & LAN
14	SOLDERING IRON	1	WELLER WE1010NA SOLDERING STATION		120	0.6	0.07	5-15R	C/W LOCAL SWITCH ON THE UNIT
15	3D PRINTER	1	ULTIMAKER 3 EXTENDED 3D		120	4.2	0.5	5-15R	C/W LOCAL SWITCH ON THE UNIT PC CONNECTIVITY & LAN
16	AIR SCRUBBER FOR SOLDERING IRON	1	FA-430 WITH DUCT & ROUND NOZZLE (USD TO CAD)		120	0.9	0.11	5-15R	C/W LOCAL SWITCH ON THE UNIT
	MONITOR (MOUNTED ON TABLE)	1			120	2.1	0.25	5-15R	ASSUMED POWER
	WI-FI ROUTER OR SWITCH	1			120	0.4	0.05	5-15R	ASSUMED POWER
	TV (MOUNTED ON WALL)	1			120	2.0	0.24	5-15R	ASSUMED POWER
	POWER + MONITORING	1			120	2.0	0.24	5-15R	ASSUMED POWER

ALL PENETRATIONS THRU SLAB, CORE DRILLING AND CUTTING IN BUILDING CONCRETE STRUCTURE MUST BE REVIEWED AND APPROVED BY OWNER AND BASE BUILDING STRUCTURAL ENGINEER.

X-RAY SCAN REQUIRED FOR ANY DRILLING AND/OR CUTTING OF CONCRETE STRUCTURE. SUBMIT X-RAY RESULTS TO OWNER AND BASE BUILDING STRUCTURAL ENGINEER FOR THEIR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF WORK. X-RAY SCANNING TO BE COMPLETED AFTER HOURS WITH NO OCCUPANTS IN THE AREA

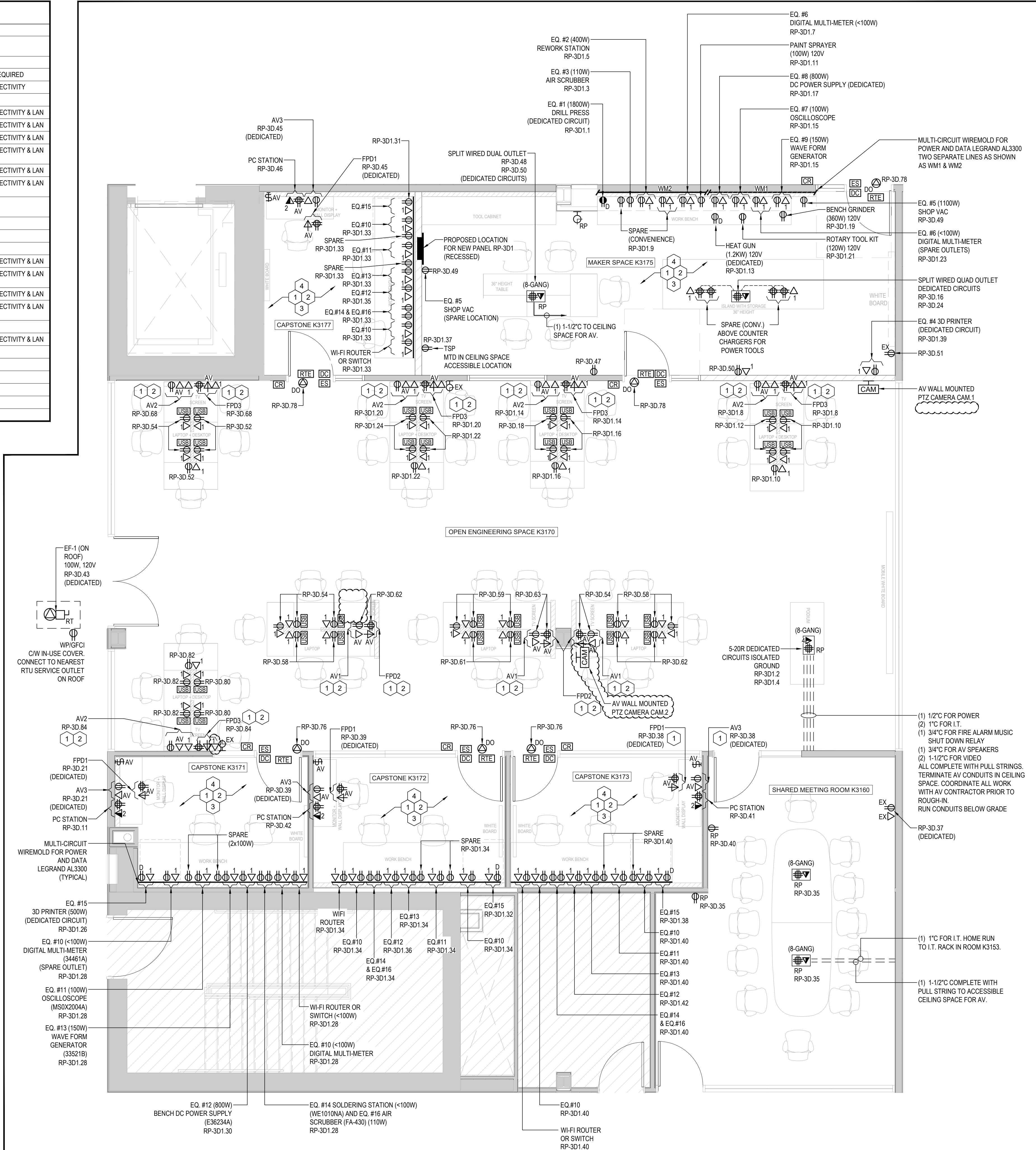
CIRCUIT NUMBERS SHOWN FOR GROUPING PURPOSE ONLY. CONFIRM EXACT CIRCUITS ON SITE.

ELECTRICAL CONTRACTOR TO REFER TO AV DRAWINGS TO CONFIRM ALL AV BACK BOXES / MUDRING SIZES, AV BOXES MOUNTING HEIGHTS AND POWER OUTLETS TYPES FOR AV EQUIPMENT PRIOR TO ROUGH IN.

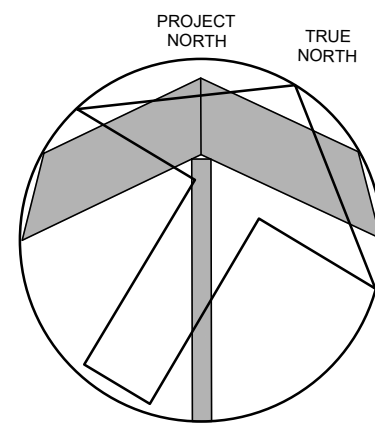
NUMBER OF DATA DROPS SHOWN FOR REFERENCE ONLY. THIS ELECTRICAL CONTRACTOR TO PROVIDE BACK BOX AND CONDUIT C/W PULL STRING. THE SUPPLY AND INSTALL DATA CABLING AND BY SENECA IT CONTRACTOR.

KEY NOTES:

- REFER TO LATEST AV DRAWINGS FOR EXACT SIZE OF BACKBOX / MUDRING AND CONDUITS REQUIREMENTS IN BETWEEN THE AV DEVICES.
- REFER TO ARCHITECTURAL/DESIGNER AND AV DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER, DATA AND AV OUTLETS.
- ALLOW TO ADJUST WIREMOLD OUTLETS 6 FEET TO CLIENT FINAL LAYOUT. WIRING LAYOUT ON ENGINEERING DRAWINGS IS SHOWN FOR CIRCUITING SCHEDULE. FINAL LOCATION TO BE ADJUSTED BASED ON EQUIPMENT LAYOUT ON SITE.
- PROVIDE LAMACOID LABEL FOR EACH OUTLET INDICATING EQUIPMENT NAME AND CIRCUIT NUMBER



1 FLOOR PLAN - POWER AND SYSTEMS
E4.0 SCALE: 1/4" = 1'-0"



NO	REVISIONS	DATE
4	RE-ISSUED WITH ADD-E01	04/19/2024
3	ISSUED FOR TENDER	04/12/2024
2	ISSUED FOR PERMIT	04/02/2024
1	ISSUED FOR CLIENT REVIEW	03/26/2024
NO	ISSUED	DATE

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT, AND MUST REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.

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**SENECA
ENGINEERING LAB
AT NH K3170**
SENECA COLLEGE, NEWNHAM CAMPUS
1750 FINCH AVE E., TORONTO

Seneca

**FLOOR PLAN
- POWER LAYOUT**

ARTIFACT
DESIGN • DEVELOPMENT
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SCALE 1/4" = 1'-0"	PROJECT 24-018-007
DATE MARCH 2024	
DRAWN BY IMI/JZ	DRAWING E4.0
CHECKED BY JZ	
PRINT DATE	