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Electromagnetic Radiation (EMR) Testing Report Twenty-Five Schools, Calgary Board of Education

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Executive Summary

G2S Environmental Consulting Inc. (G2S) was retained by the Calgary Board of Education (CBE) to complete electromagnetic radiation (EMR) testing of twenty-five school buildings within the CBE.

Wi-Fi access points were installed at ceiling level at various locations throughout the schools. The objective of the testing was to assess the levels of radiofrequency (RF) emissions associated with the Wi-Fi equipment and compare the collected data to the exposure limits specified in the 2015 Health Canada Safety Code 6 document (Safety Code 6 (2015)). During the testing, the staff and students continued to use the network in a normal matter to provide realistic RF exposure levels during a typical school day.

A total of 361 different locations were measured at the twenty-five school buildings. All measurements were below the Safety Code 6 (2015) limits. On average, the RF measurements were higher when the Wi-Fi equipment was turned on compared to when it was turned off, which is expected.

Both the background RF levels (Wi-Fi network “off”) and the total RF levels (Wi-Fi network “on”) showed values typical for residential areas of relatively low population density. Note that higher population density usually relates to higher RF activity, especially when cell towers are present.

Based on the findings of this survey, the RF measurements in the areas tested are well within the limits set by Health Canada Safety Code 6 (2015). The need for further investigations has not been identified at this time.

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1.0 Introduction

G2S Environmental Consulting Inc. (G2S) was retained by the Calgary Board of Education (CBE) to complete electromagnetic radiation (EMR) surveys at the following twenty-five school buildings.

Arbour Lake School 27 Arbour Crest Drive NW	Grant MacEwan School 180 Falshire Drive NE	Lester B. Pearson High School 3020 52 Street NE	Olympic Heights School 875 Strathcona Drive SW	Stanley Jones School 950 - 6 Street NE
Bowness High School 4627 77 Street NW	Henry Wise Wood School High School 910 75 Avenue SW	Midsun School 660 Sunmills Drive SE	Sam Livingston School 12011 Bonaventure Drive SE	Twelve Mile Coulee School 65 Tuscany Hills Road NW
Branton School 2103 20 Street NW	John G. Diefenbaker High School 6620 4 Street NW	Monterey Park School 7400 California Boulevard NE	Sherwood School 2011 66 Avenue SE	Western Canada High School 641 17 Avenue SW
Centennial High School 55 Sun Valley Boulevard SE	John Ware School 10020 19 Street SW	Mountain Park School 312 Mt Douglas Close SE	Silver Springs 7235 Silver Mead Road NW	West Springs School 8999 Wentworth Ave SW
Douglasdale School 400 Douglas Park Boulevard SE	Killarney School 3008 33 Street SW	Mount View School 2004 4 Street NE	Sir Wilfrid Laurier School 819 32 Street SE	Willow Park School 343 Willow Park Drive SE

Wi-Fi access points were installed at ceiling level at various locations throughout the schools. The objective of the EMR testing was to assess the levels of radiofrequency (RF) emissions associated with the Wi-Fi equipment and compare the collected data to the exposure limits specified in the 2015 Health Canada Safety Code 6 document (Safety Code 6 (2015)).

2.0 Background

2.1 Previous EMR Survey Completed by G2S

“Electromagnetic Radiation (EMR) Testing Report, Twenty-Five Schools, Calgary Board of Education”, dated February 9, 2015. The EMR Survey can be summarized as follows:

- G2S completed EMR testing at twenty-five school buildings in November and December 2014 to assess the levels of RF emissions associated with the Wi-Fi equipment and compare the data to exposure limits specified in Health Canada Safety Code 6 (2009).
- A total of 375 locations were measured at the twenty-five school buildings.
- On average, the RF measurements were higher when the Wi-Fi equipment was turned on compared to when it was turned off, which is expected.
- Based on the findings of this survey, the RF measurements in the areas tested are well within the limits set by Health Canada Safety Code 6 (2009).

2.2 Radio Frequency and Wi-Fi Background

Radio frequency is defined as any electromagnetic wave frequencies that range from 3 kHz to 300 GHz. RF is often emitted from devices such as cell phones and base stations, television and radio broadcasting facilities, radar, medical equipment, microwave ovens, RF induction heaters and other electronic devices within our living and working environments (Safety Code 6 (2015)).

Wi-Fi is a trademark of the Wi-Fi Alliance and defines Wi-Fi as any wireless local area network (WLAN) product that is based on the Institute of Electrical and Electronics Engineers (IEEE) 802.11 standards (Industry Canada, 2012). Wi-Fi networks use radio technologies called 802.11 to provide secure, reliable, and fast wireless connectivity. A Wi-Fi network can be used to connect electronic devices to each other, to the Internet, and to wired networks which use ethernet technology. Wi-Fi networks operate in the 2.4 GHz frequency band (from 2.400 GHz to 2.484 GHz) and in the 5 GHz band (from 5.725 GHz to 5.825 GHz), with some products that can operate in both bands (dual band).

A device that can use Wi-Fi (such as a personal computer, video-game console, smartphone, digital camera, tablet, or digital audio player) can connect to a network resource such as the Internet via a wireless network access point. Such an access point (or hotspot) has a range of about 20 meters (65 feet) indoors and typically consists of one or more low power transmitters installed at the ceiling level.

2.3 CBE Wi-Fi Equipment System

The Wi-Fi equipment installed at the twenty-five schools consisted of the Aerohive AP230 wireless access point (WAP).

Twelve Mile Coulee School and West Springs School were also equipped with Aruba AP-5WN WAP's in certain areas of the building(s) by the building operator. As these are outside the control of the CBE they could not be turned off during the study. For this reason, sampling points at these schools were chosen away from these devices in order not to bias the Wi-Fi off measurements.

The locations of the access points for each school are shown on the corresponding drawings provided in Attachments B1 to B25. The installed Wi-Fi equipment operates in the frequency range between 2.4 GHz and 5.825 GHz. As noted in clause 4.0, the testing was carried out using an instrument designed to report emissions within frequency ranges specified in Safety Code 6 (2009). Conversion factors, as noted in clause 5.2, were then applied to the test results to ensure compliance with Safety Code 6 (2015).

3.0 Objective and Scope of Work

The objective of the investigation was to evaluate the RF exposure levels from the Wi-Fi computer network at each school and compare the measurements to Safety Code 6 (2015) exposure limits. More information regarding the Safety Code 6 (2015) limits is provided in Section 4 and a methodology of our survey is provided in Section 5.

In general, the scope of work for the survey included the following:

1. Review of all existing EMR sources within an approximate 250 m radius of each school;
2. Conduct testing using a Narda Broadband Field Meter NBM-550 equipped with a NAR-EC5091 300 kHz - 50 GHz Isotropic Probe, Shaped E-Field, SC6 Canada;
3. Collection of RF readings from various locations throughout the schools with and without the wireless network equipment signals present;
4. Data evaluation with respect to Safety Code 6 (2015) exposure limits; and
5. Preparation of a report detailing the RF measurement results.

4.0 Health Canada's Safety Code 6 (2015)

The purpose of Safety Code 6 is to specify maximum levels to RF fields at frequencies between 3 kHz to 300 GHz, to prevent adverse human health effects in both controlled and uncontrolled environments.

Safety Code 6 (2015) has specified two types of exposure limits: (i) exposure in a controlled environment and (ii) exposure in an uncontrolled environment. The first type of limit addresses the maximum permissible exposures (MPEs) for employees in the RF/communications industry, where exposure is a component of their job and is, therefore, predictable and carefully monitored. The second type of limit addresses the exposure of the general public, which can occur at any arbitrary location (public or private) and which, therefore, cannot be controlled or monitored on a regular basis. The applicable limit for this investigation is exposure in an uncontrolled environment.

The recommended exposure levels are regulated through: (a) the specific absorption rate (SAR) limits, and (b) the field strength or the power density limits, depending on the frequency range. SAR is a measurement of the rate at which electromagnetic energy is absorbed in the body and is measured in Watts per kilogram (W/kg). The SAR is typically determined for situations where exposures occur at a distance of 0.2 m or less from the source and is applicable for persons classified as RF and microwave workers. For conditions where SAR determination is impractical (this is usually the case of the uncontrolled environment), reference levels for maximum human exposure to RF fields are specified in Safety Code 6 (2015). The reference levels are specified in

terms of unperturbed, externally applied electric and magnetic field strength, power density and in terms of electric current in the body. Section 2.2 of Safety Code 6 (2015) specifies exposure limits or reference levels for persons NOT classified as RF and microwave workers (the general public) in terms of electric field strength and power density for frequencies greater than 10 MHz. Below 10 MHz, both the nerve stimulus and SAR-based reference levels are specified only in terms of electric and magnetic field strengths. The reference levels for Electric Field Strength, Magnetic Field Strength and Power Density in an uncontrolled environment are summarized in Table 1 in the relevant frequency bands. Note that the probe used in the current survey is specifically designed to report the RF emissions relative to Safety Code 6 (2009) in the frequency range from 300 kHz (or 0.3 MHz) to 50 GHz (or 50 000 MHz).

Safety Code 6 was updated by Health Canada on March 13, 2015. While the biological basis for the basic restrictions specified in Safety Code 6 have not changed since the 2009 version, the reference levels have been updated to either account for dosimetric refinements in recent years, or where feasible, to harmonize with those of the International Commission of Non-Ionizing Radiation Protection (ICNIRP) (Health Canada, 2015).

TABLE 1:
 REFERENCE LEVELS FOR UNCONTROLLED ENVIRONMENTS ACCORDING TO SAFETY CODE 6 (2015)

Frequency <i>f</i> (MHz)	<i>E</i> -field strength, (E _{RL}), (V/m, RMS)	<i>H</i> -field strength, (H _{RL}), (A/m, RMS)	Power Density (W/m ²)	Averaging Time (min)
0.003 to 10*	83	90	NA	Instantaneous
1 to 10**	87/ <i>f</i> ^{0.5}	0.73/ <i>f</i> ^{***}	NA	6
10-20	27.46	0.0728	2	6
20 - 48	58.07 / <i>f</i> ^{0.25}	0.1540 / <i>f</i> ^{0.25}	8.944 / <i>f</i> ^{0.25}	6
48 - 300	22.06	0.05852	1.291	6
300 – 6000	3.142 <i>f</i> ^{0.3417}	0.008335 <i>f</i> ^{0.3417}	0.02619 <i>f</i> ^{0.6834}	6
6000 – 15000	61.4	0.163	10	6
15000 – 150000	61.4	0.163	10	616000/ <i>f</i> ^{1.2}
150000 – 300000	0.158 <i>f</i> ^{0.5}	4.21 x 10 ⁻⁴ <i>f</i> ^{0.5}	6.67 x 10 ⁻⁵ <i>f</i>	616000/ <i>f</i> ^{1.2}

* Reference Level based on nerve stimulation

** Reference Level based on specific absorption rate

*** Extends from 0.1 MHz to 10 MHz

5.0 Methodology

The RF survey was conducted by G2S staff between April 3 and April 27, 2018. RF measurements were taken with a Narda Broadband Field Meter NBM-550 equipped with a NAR-EC5091 300 kHz - 50 GHz Isotropic, Shaped E-Field Probe, SC6 Canada. This probe ensures that RF exposure is evaluated in the entire frequency band from 300 kHz to 50 GHz, which includes all possible emissions from radio and TV, mobile handhelds (police, emergency services, etc.), cell phone towers and handsets, Bluetooth and Wi-Fi hot spots and devices, etc.

5.1 Additional Electromagnetic Sources

Prior to conducting the EMR survey, G2S identified existing EMR sources within an approximate 250 m radius of each school property line.

The majority of the schools are situated within a residential setting and have similar potential EMR sources including radio, TV broadcast, wireless networks, hydro corridor, cordless phones and mobile devices. Additional EMR sources that were identified during the preliminary site visits are labelled on the site location plans and summarized below.

TABLE 2:
 ADDITIONAL (NOT WI-FI) ELECTROMAGNETIC SOURCES

School	EMR Source	Approximate Distance from School Property (m)
Arbour Lake School	Communication Tower	30 m South
Bowness High School	Roof top Cellular Antennas	150 m South
Centennial High School	Three roof top Cellular Antennas	75 m West
John G. Diefenbaker High School	Communication Tower	195 m Northeast
	Communication Tower	40 m South
Lester B. Pearson High School	Communication Tower	195 South
	Cellular Tower	245 Southeast
Olympic Heights School	Weather Station	100 m North
	Communication Tower	250 m North
Sherwood School	Weather Station	60 m West
Stanley Jones School	Roof top Cellular Antennas	120 m Southwest
Twelve Mile Coulee	Weather Station	195 m Northwest
Western Canada High School	Roof Top Cellular Antennas	25 m North
	Roof Top Cellular Antennas	85 m North

The additional (not Wi-Fi) Electromagnetic Sources that were identified above are shown on the site location plans provided in Attachments B1, B2, B4, B8, B11, B16, B18, B21, B22 and B23.

Rooftop television antennas and weather stations were observed at Bowness High School, John G. Diefenbaker High School, Lester B Pearson High School, Olympic Heights School, Sam

Livingston School, Silver Springs School and Wilfrid Laurier School. Television antennas are not transmitting antennas and therefore do not contribute to the background electromagnetic radiation at the respective location. The weather stations observed do transmit electromagnetic signals and therefore would contribute to background electromagnetic radiation, but it is important to note that they operate at a frequency approximately 1,000 times lower than the operating Wifi networks.

5.2 Measurement Equipment

The instrument measures values as percentage of the overall Safety Code 6 (2009) MPE limits for which the probe is designed. In this case, the instrument reports the overall detected RF power from 300 kHz to 50 GHz as a percentage of the limits specified by Health Canada Safety Code 6 (2009) for controlled environments. Note that this frequency range includes the 2.4 GHz and 5 GHz bands utilized by the CBE Wi-Fi networks. As a result, a conversion of the measured values is required to assess the measurements against the RF exposure limits set out in Health Canada Safety Code 6 (2015) for uncontrolled environments.

The exposure value reported by the instrument, which is relative to the limits for a controlled environment (Safety Code 2009), must be multiplied by a conversion coefficient of 5 in order to obtain the exposure value relative to the Safety Code 2009 limits for an uncontrolled environment. For example, a recorded exposure value of 0.3017% relative to the limits for a controlled environment corresponds to an exposure value of 1.509% relative to the limits for an uncontrolled environment. Note that the conversion coefficient is 4.6 below 100 MHz frequency, which means that applying a coefficient of 5 results in a slight overestimation of the exposure value relative to the limits for the uncontrolled environment (if radiation below 100 MHz frequency is indeed present). A slight overestimation of the emissions is in fact preferable as it provides an additional, albeit small, safety margin.

An additional conversion is then required to assess the measurements against the RF exposure limits set out in Safety Code 6 (2015). In general, the 2015 limits have become more stringent than those in 2009. In particular, in the frequency band from 1500 MHz to 6000 MHz, where the Wi-Fi equipment operates, the exposure limit in terms of power density (in W/m²) has been lowered on average by a factor of 0.7155. This means that percentage exposure values relative to Safety Code 6 (2009), for radiation in this frequency band, must be multiplied by a factor of 1.3977 (about 1.4) in order to obtain the percentage exposure values relative to Safety Code 6 (2015). For example, if an exposure value relative to Safety Code 6 (2009), was reported to be 1% of the limit (in the frequency band from 1500 MHz to 6000 MHz), then, according to the new 2015 limits, this exposure is about 1.4%.

TABLE 3:
 REFERENCE LEVELS FOR UNCONTROLLED ENVIRONMENTS ACCORDING TO SAFETY CODE 6 (2015)

Frequency <i>f</i> (MHz)	<i>E</i> -field strength, (<i>E_{RL}</i>), (V/m, RMS)	<i>H</i> -field strength, (<i>H_{RL}</i>), (A/m, RMS)	Power Density (W/m ²)	Averaging Time (min)
0.003 to 10*	83	90	NA	Instantaneous
1 to 10**	87/ <i>f</i> ^{0.5}	0.73/ <i>f</i> ^{***}	NA	6
10-20	27.46	0.0728	2	6
20 - 48	58.07 / <i>f</i> ^{0.25}	0.1540 / <i>f</i> ^{0.25}	8.944 / <i>f</i> ^{0.25}	6
48 - 300	22.06	0.05852	1.291	6
300 – 6000	3.142 <i>f</i> ^{0.3417}	0.008335 <i>f</i> ^{0.3417}	0.02619 <i>f</i> ^{0.6834}	6
6000 – 15000	61.4	0.163	10	6
15000 – 150000	61.4	0.163	10	616000/ <i>f</i> ^{1.2}
150000 – 300000	0.158 <i>f</i> ^{0.5}	4.21 x 10 ⁻⁴ <i>f</i> ^{0.5}	6.67 x 10 ⁻⁵ <i>f</i>	616000/ <i>f</i> ^{1.2}

* Reference Level based on nerve stimulation

** Reference Level based on specific absorption rate

*** Extends from 0.1 MHz to 10 MHz

At each survey location, a maximum, a minimum and a spatial average measurement was recorded. Note that the time required to survey each location is at least 6 minutes as required by the time-averaging interval of Safety Code 6 (2015) (see Table 3). Thus, the spatial average measurement is an average of all values recorded over a 6-minute period and over a volume of space of roughly 0.35 m width, 0.35 m depth, and 1.25 m height, which is at a reasonable distance (for example, 0.5 m) from the floor. This volume represents roughly the volume of a human body and it is the value that must be used to evaluate the exposure relative to the specified limits. The maximum/minimum measurements represent the highest/lowest values recorded over this 6-minute period and they serve the purpose of identifying where possible hot spots may reside. However, in an uncontrolled environment such as schools and public buildings, due to constant changes in the environment (mostly people moving around), such hot spots change constantly and are highly unpredictable. Here, the minimum and maximum values are reported to simply provide the client with an idea of how dynamic the RF environment is in the measured locations.

Two measurements were taken at each location, one with the Wi-Fi computer network “off” and one with the computer network turn “on”. In addition to Wi-Fi, the instrument has the capability of capturing other sources of EMR such as radio and TV broadcast, cellular towers (base-stations), mobile devices, etc. Thus, a measurement with the Wi-Fi network “off” provides a measure of the “background” radiation while the measurement with the Wi-Fi network “on” provides a measure of the “background” radiation plus the added RF power due to the Wi-Fi nodes. It is not uncommon in an uncontrolled environment to observe lower emission levels with the Wi-Fi network “off” as compared to when it is “on”. This is because: (i) the environment changes and (ii) effects of destructive and constructive RF wave interference influence the measurements locally.

During this survey, the staff and students continued to use the network in a normal matter to provide realistic background RF exposure levels during a typical school day. In addition, the Wi-Fi computer network “on” measurements were collected with two tablets uploading and downloading simultaneously. The two devices were uploading and downloading in the 2.4 GHz or the 5.0 GHz band. The tablets were in close proximity of the access point during the Wi-Fi computer network “on” measurements, actual distances are provided in Tables 1 to 25 in Attachments B1 to B25.

Data which included the location, time and frequency were recorded and the measurements were saved in the NBM-550 machine.

5.3 Measurement Locations

The survey locations for each school are shown on the site plans provided in Attachments B1 to B25. Readings were taken at various floors and rooms throughout the twenty-five school buildings to ensure proper representation of the school. The survey locations were chosen based on various factors including type of building construction, room size, room use, and potential exposure scenarios (proximity to access points). Sample points at Twelve Mile Coulee and West Springs schools were chosen away from the Aruba AP-5WN devices in order not to bias the Wi-Fi off measurements.

Readings were taken at various height levels; in general, measurements were taken between approximately 0.3 m to 3.0 m from the access points.

6.0 Data Evaluation

The number of survey locations ranged from eleven to fifteen in elementary and middle schools and eighteen to twenty-four in a secondary school.

The overall average of the spatial average readings when the Wi-Fi equipment was turned on compared to when it was turned off at each of the twenty-five schools is summarized in Table 4 below:

TABLE 4:
 OVERALL AVERAGE OF THE SPATIAL AVERAGE RESULTS WITH THE WI-FI COMPUTER NETWORK “OFF”
 AND “ON” BY LOCATION

School	Sample Type	Wi-Fi Computer Network				Measurement Difference
		Operating		Off		
		% of Safety Code 6	W/m ²	% of Safety Code 6	W/m ²	
Arbour Lake School	Overall Spatial Average	2.066 %	0.2057	1.550 %	0.1544	0.516 %
Bowness High School	Overall Spatial Average	6.085 %	0.6061	3.053 %	0.3041	3.032 %
Branton School	Overall Spatial Average	0.781 %	0.0778	0.823 %	0.0820	-0.042 %
Centennial High School	Overall Spatial Average	0.838 %	0.0835	0.644 %	0.0641	0.194 %
Douglasdale School	Overall Spatial Average	1.308 %	0.1303	0.424 %	0.0422	0.884 %
Grant MacEwan School	Overall Spatial Average	0.509 %	0.0507	0.502 %	0.0500	0.007 %
Henry Wise Wood High School	Overall Spatial Average	0.736 %	0.0733	0.672 %	0.0669	0.064 %
John G. Diefenbaker High School	Overall Spatial Average	1.037 %	0.1033	0.944 %	0.0941	0.093 %
John Ware School	Overall Spatial Average	0.452 %	0.0450	0.413 %	0.0411	0.039 %
Killarney School	Overall Spatial Average	0.701%	0.0699	0.686 %	0.0683	0.015 %

School	Sample Type	Wi-Fi Computer Network				Measurement Difference
		Operating		Off		
		% of Safety Code 6	W/m ²	% of Safety Code 6	W/m ²	
Lester B Pearson High School	Overall Spatial Average	0.531 %	0.0529	0.632 %	0.0630	-0.101 %
Midsun School	Overall Spatial Average	0.841 %	0.0837	0.571 %	0.0569	0.270 %
Monterey Park School	Overall Spatial Average	0.630 %	0.0627	0.523 %	0.0521	0.107 %
Mountain Park School	Overall Spatial Average	0.690 %	0.0688	0.350 %	0.0349	0.340 %
Mount View School	Overall Spatial Average	1.110 %	0.1105	1.126 %	0.1122	-0.016 %
Olympic Heights School	Overall Spatial Average	0.387 %	0.0385	0.360 %	0.0358	0.027 %
Sam Livingston School	Overall Spatial Average	0.698 %	0.0695	0.582 %	0.0580	0.116 %
Sherwood School	Overall Spatial Average	0.538 %	0.0536	0.409 %	0.0408	0.129 %
Silver Springs School	Overall Spatial Average	0.839 %	0.0836	0.472 %	0.0470	0.367 %
Sir Wilfrid Laurier School	Overall Spatial Average	0.524 %	0.0521	0.533 %	0.0530	-0.009 %
Stanley Jones School	Overall Spatial Average	1.316 %	0.1311	0.840 %	0.0837	0.476 %
Twelve Mile Coulee School	Overall Spatial Average	6.776 %	0.6749	2.641 %	0.2630	4.135 %
Western Canada High School	Overall Spatial Average	0.810 %	0.0832	0.650 %	0.0647	0.160 %
West Springs School	Overall Spatial Average	0.389 %	0.0387	0.759 %	0.0756	-0.370 %
Willow Park School	Overall Spatial Average	0.680 %	0.0677	0.475 %	0.0473	0.205 %

Note: Measurements are % of Safety Code 6 (2015) limit in an uncontrolled environment

A summary of the maximum spatial average, minimum spatial average and overall spatial average at each of the twenty-five schools is presented in a summary table included in Attachment A. The complete results for each school are presented in summary tables included in Attachments B1 to B25. Spatial average, maximum and minimum measurements are presented as a percentage of the allowable limits.

The results relative to the Safety Code 6 (2015) in a controlled and uncontrolled environment are shown in the summary tables. A summary of the maximum spatial average measurements recorded at each of the twenty-five schools is summarized in Table 5 below.

TABLE 5:
 MAXIMUM OF THE SPATIAL AVERAGE RESULTS BY LOCATION

School	Sample ID	Wi-Fi Computer Network	% of Safety Code 6 Limits (2015) (uncontrolled environment)
Arbour Lake School	AL3	ON	5.25 %
Bowness High School	B2	ON	8.33 %
Branton School	BR11	ON	3.41 %
Centennial High School	CH15	ON	1.66 %
Douglasdale School	DD1	ON	8.25 %
Grant MacEwan School	GM2	OFF	1.62 %
Henry Wise Wood High School	HWW4	OFF	1.99 %
John G. Diefenbaker High School	JD24	OFF	4.22%
John Ware School	JW4	ON	1.15 %
Killarney School	K7	ON	1.36 %
Lester B Pearson High School	LBP16	OFF	1.15 %
Midsun School	MS5	ON	1.64 %
Monterey Park School	MP8	ON	1.55 %
Mountain Park School	MPS9	ON	1.34 %
Mount View School	MV9	OFF	3.80 %
Olympic Heights School	OH2	ON	0.99 %
Sam Livingston School	SL1	ON	1.46 %
Sherwood School	S12	ON	1.07 %
Silver Springs School	SS4	ON	1.70 %
Sir Wilfrid Laurier School	SW7	OFF	1.06 %
Stanley Jones School	SJ12	ON	2.26 %
Twelve Mile Coulee School	TM17	ON	8.63 %
Western Canada High School	WC16	ON	1.49 %
West Springs School	WS4	OFF	1.34 %
Willow Park School	WP3	ON	1.53 %

Note: Measurements are % of Safety Code 6 (2015) limit in an uncontrolled environment

7.0 Conclusion and Recommendations

A total of 361 different locations were measured at the twenty-five school buildings. All measurements were well below the Safety Code 6 (2015) limits. On average, the RF measurements were higher when the Wi-Fi equipment was turned on compared to when it was turned off, which is expected.

Both the background RF levels (Wi-Fi network “off”) and the total RF levels (Wi-Fi network “on”) show values typical for residential areas of relatively low population density. Note that higher population density usually relates to higher RF activity, especially cell towers.

Based on the findings of this survey, the RF measurements in the areas tested are well within the limits set by Health Canada Safety Code 6 (2015). The need for further investigations has not been identified at this time.

8.0 Qualifications of the Reviewer

Dr. Natalia K. Nikolova, P.Eng. (ON), is a Professor at McMaster University, Hamilton. She has been a faculty member of the Department of Electrical and Computer Engineering in McMaster University since 1999 where she teaches courses related to electromagnetic fields and waves, antennas, and radio-frequency (RF) and microwave engineering. She supervises a large research team working on projects in microwave and antenna engineering, electromagnetic field theory and computational methods. She has consulted for more than 15 years in the areas of microwave antennas, radar imaging and detection, and electromagnetic high-frequency computer-aided design. She has been working on collaborative projects between McMaster University and industrial partners related to the RF hazard evaluation of mobile devices and radiation sources for seven years. Prof. Nikolova is a registered Professional Engineer in the province of Ontario, a Fellow of the Institute of Electrical and Electronic Engineers (IEEE) and a fellow of the Canadian Academy of Engineering.

9.0 References

- a) Health Canada. *Environmental Workplace and Health: Radiofrequency Fields*. Updated 2009-11-12. <<http://www.hc-sc.gc.ca/ewh-semt/radiation/cons/radiofreq/index-eng.php>>.
- b) Health Canada. *Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz* (Safety Code 6). 2009.
- c) Industry Canada. *Case Study: Measurements of Radio Frequency Exposure from Wi-Fi Devices*. May 2012.
- d) Occupational Health and Safety Act - Ministry of Labour (MOL).
- e) Health Canada. *Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the frequency Range from 3 kHz to 300 GHz* (Safety Code 6). 2015.
- f) “*Electromagnetic Radiation (EMR) Testing Report, Twenty-Five Schools, Calgary Board of Education*”, dated February 9, 2015, prepared by G2S Environmental Consulting for the Calgary Board of Education.

10.0 Limitations

This report has been prepared for the sole benefit of the Calgary Board of Education and is intended to provide a Radiofrequency Electromagnetic Field Survey of the twenty-five school properties. The report may not be used by any other person or entity without the expressed written consent of the Calgary Board of Education and G2S Environmental Consulting Inc. (G2S). Any use which a third party makes of this report, or any reliance on decisions made based on it, is the responsibility of such third parties.

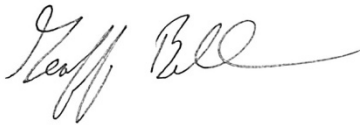
The findings in this report are limited to the conditions at the Site at the time of this investigation (April 2018) as well as information provided by the Site representatives as reported herein. Conclusions presented in this report should not be construed as legal advice.

If Site conditions or applicable standards change or if any additional information becomes available at a future date, changes to the findings, conclusions and recommendations in this report may be necessary.

11.0 Closing Remarks

We trust this report is satisfactory for your purposes. Should you have any questions, please do not hesitate to contact this office.

Yours truly,



Geoff Bell, P. Geo. (limited)
Senior Project Manager
G2S Environmental Consulting



Dr. N.K. Nikolova, Fellow IEEE, CAE
P.Eng.(ON)
Professor, Electrical Engineering
McMaster University

**Attachment A
Summary Table**

**SUMMARY TABLE:
MAXIMUM, MINIMUM AND AVERAGE
OF THE SPATIAL AVERAGE RESULTS BY LOCATION**

School	Wi-fi Network Status	Minimum Spatial Average			Maximum Spatial Average			Overall Spatial Average	
		ID	Power Density	% SC6	ID	Power Density	% SC6	Power Density	% SC6
Arbour Lake School	ON	AL 6	0.0309	0.4658%	AL 3	0.3484	5.2470%	0.2057	2.0656%
	OFF	AL 13	0.0116	0.1740%	AL 7	0.1805	2.7188%	0.1544	1.5502%
Bowness High School	ON	B5	0.0799	1.2038%	B2	0.5528	8.3250%	0.6061	6.0853%
	OFF	B8	0.0174	0.2625%	B2	0.3257	4.9050%	0.3041	3.0532%
Branton School	ON	BR6	0.0110	0.1658%	BR11	0.2261	3.4050%	0.0778	0.7814%
	OFF	BR1	0.0088	0.1320%	BR4	0.2042	3.0750%	0.0820	0.8232%
Centennial High School	ON	CH3	0.0122	0.1830%	CH15	0.1104	1.6620%	0.0835	0.8380%
	OFF	CH7	0.0197	0.2970%	CH1	0.1059	1.5945%	0.0641	0.6440%
Douglasdale School	ON	DD4	0.0169	0.2550%	DD1	0.5478	8.2500%	0.1303	1.3084%
	OFF	DD11	0.0108	0.1628%	DD12	0.0735	1.1060%	0.0422	0.4238%
Grant MacEwan School	ON	GM15	0.0041	0.0615%	GM5	0.0668	1.0070%	0.0507	0.5092%
	OFF	GM10	0.0038	0.0570%	GM2	0.1076	1.6200%	0.0500	0.5023%
Henry Wise Wood High School	ON	HWW1	0.0142	0.2138%	HWW4	0.1067	1.6065%	0.0733	0.7356%
	OFF	HWW18	0.0042	0.0630%	HWW4	0.1320	1.9875%	0.0669	0.6722%
John G. Diefenbaker High School	ON	JD14	0.0033	0.0503%	JD19	0.2686	4.0455%	0.1033	1.0370%
	OFF	JD11	0.0077	0.1155%	JD24	0.2802	4.2195%	0.0941	0.9443%
John Ware School	ON	JW9	0.0056	0.0840%	JW4	0.0763	1.1498%	0.0450	0.4520%
	OFF	JW12	0.0038	0.0570%	JW4	0.0540	0.8130%	0.0411	0.4127%
Killarney School	ON	K10	0.0224	0.3368%	K7	0.0903	1.3598%	0.0699	0.7013%
	OFF	K9	0.0152	0.2295%	K2	0.0725	1.0920%	0.0683	0.6855%
Lester B. Pearson High School	ON	LBP11	0.0063	0.0953%	LBP15	0.0682	1.0275%	0.0529	0.5310%
	OFF	LBP2	0.0181	0.2723%	LBP16	0.0762	1.1482%	0.0630	0.6323%
Midsun School	ON	MS6	0.0286	0.4305%	MS5	0.1090	1.6410%	0.0837	0.8408%
	OFF	MS3	0.0097	0.1463%	MS2	0.0766	1.1543%	0.0569	0.5709%
Monterey Park School	ON	MP2	0.0080	0.1200%	MP8	0.1029	1.5495%	0.0627	0.6295%
	OFF	MP10	0.0069	0.1043%	MP6	0.0730	1.0995%	0.0521	0.5234%
Mountain Park School	ON	MPS8	0.0181	0.2723%	MPS9	0.0892	1.3433%	0.0688	0.6903%
	OFF	MPS9	0.0075	0.1133%	MPS5	0.0427	0.6435%	0.0349	0.3501%
Mount View School	ON	MV6	0.0283	0.4260%	MV9	0.1924	2.8973%	0.1105	1.1099%
	OFF	MV6	0.0172	0.2588%	MV9	0.2521	3.7965%	0.1122	1.1260%
Olympic Heights School	ON	OH3	0.0028	0.0428%	OH2	0.0658	0.9915%	0.0385	0.3868%
	OFF	OH10	0.0035	0.0533%	OH3	0.0414	0.6233%	0.0358	0.3599%
Sam Livingston School	ON	SL11	0.0176	0.2648%	SL1	0.0969	1.4595%	0.0695	0.6981%
	OFF	SL7	0.0085	0.1275%	SL1	0.0941	1.4175%	0.0580	0.5823%
Sherwood School	ON	S3	0.0095	0.1425%	S12	0.0711	1.0710%	0.0536	0.5380%
	OFF	S3	0.0016	0.0240%	S9	0.0527	0.7935%	0.0408	0.4093%
Silver Springs School	ON	SS8	0.0040	0.0600%	SS4	0.1126	1.6958%	0.0836	0.8390%
	OFF	SS9	0.0046	0.0698%	SS2	0.0715	1.0770%	0.0470	0.4722%
Sir Wilfrid Laurier School	ON	SW10	0.0171	0.2573%	SW3	0.0492	0.7410%	0.0521	0.5235%
	OFF	SW8	0.0093	0.1395%	SW7	0.0703	1.0583%	0.0530	0.5326%
Stanley Jones School	ON	SJ7	0.0088	0.1320%	SJ12	0.1503	2.2643%	0.1311	1.3161%
	OFF	SJ8	0.0018	0.0278%	SJ6	0.0955	1.4378%	0.0837	0.8403%
Twelve Mile Coulee School	ON	TM8	0.0052	0.0780%	TM17	0.5727	8.6250%	0.6749	6.7757%
	OFF	TM1	0.0152	0.2288%	TM21	0.2978	4.4843%	0.2630	2.6407%
Western Canada High School	ON	WC5	0.0170	0.2565%	WC16	0.0992	1.4933%	0.0832	0.8103%
	OFF	WC11	0.0042	0.0630%	WC5	0.0808	1.2173%	0.0647	0.6500%
West Springs School	ON	WS4	0.0083	0.1245%	WS7	0.0467	0.7035%	0.0387	0.3885%
	OFF	WS7	0.0316	0.4755%	WS4	0.0891	1.3425%	0.0756	0.7589%
Willow Park School	ON	WP1	0.0132	0.1988%	WP3	0.1013	1.5263%	0.0677	0.6795%
	OFF	WP2	0.0085	0.1275%	WP11	0.0559	0.8415%	0.0473	0.4753%

Note:

Wi-Fi – Wi-Fi Computer Network

SA – Spatial Average

ID – Sample ID

Power Density Units- W/m²

Measurements are % of Safety Code 6 (2015) limits in an uncontrolled environment

**Attachment B1
Arbour Lake School**

Table 1: Field Measurements
Arbour Lake School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
AL1	Room D6E7	1.3 - 2.2	SA	12:32	ON	0.3554	1.7770	2.6655	0.1770
			Max			0.6134	3.0670	4.6005	0.3055
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:25	OFF	0.1159	0.5795	0.8693	0.0577
			Max			0.3537	1.7685	2.6528	0.1761
			Min			0.0000	0.0000	0.0000	0.0000
AL2	Room D6E4	1.3 - 2.2	SA	12:42	ON	0.4969	2.4845	3.7268	0.2475
			Max			0.7168	3.5840	5.3760	0.3570
			Min			0.2548	0.0000	0.0000	0.0000
			SA	16:34	OFF	0.1946	0.9730	1.4595	0.0969
			Max			0.5414	2.7070	4.0605	0.2696
			Min			0.0000	0.0000	0.0000	0.0000
AL3	Hallway by Room D6E2	N/A	SA	12:55	ON	0.6996	3.4980	5.2470	0.3484
			Max			0.9513	4.7565	7.1348	0.4737
			Min			0.4920	0.0000	0.0000	0.0000
			SA	16:43	OFF	0.2430	1.2150	1.8225	0.1210
			Max			0.5414	2.7070	4.0605	0.2696
			Min			0.0000	0.0000	0.0000	0.0000
AL4	Music Room	1.8 - 2.7	SA	13:18	ON	0.0865	0.4325	0.6488	0.0431
			Max			0.2888	1.4440	2.1660	0.1438
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:01	OFF	0.3297	1.6485	2.4728	0.1642
			Max			0.5414	2.7070	4.0605	0.2696
			Min			0.0000	0.0000	0.0000	0.0000
AL5	Woodshop	1.3 - 2.2	SA	13:30	ON	0.1439	0.7195	1.0793	0.0717
			Max			0.3321	1.6605	2.4908	0.1654
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:11	OFF	0.3496	1.7480	2.6220	0.1741
			Max			0.7719	3.8595	5.7893	0.3844
			Min			0.0000	0.0000	0.0000	0.0000
AL6	Room 176	1.8 - 2.7	SA	13:06	ON	0.0621	0.3105	0.4658	0.0309
			Max			0.2671	1.3355	2.0033	0.1330
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:53	OFF	0.2828	1.4140	2.1210	0.1408
			Max			0.3682	1.8410	2.7615	0.1834
			Min			0.0000	0.0000	0.0000	0.0000
AL7	Staff Room	1.3 - 2.2	SA	13:41	ON	0.2670	1.3350	2.0025	0.1330
			Max			0.4881	2.4405	3.6608	0.2431
			Min			0.0650	0.0000	0.0000	0.0000
			SA	17:21	OFF	0.3625	1.8125	2.7188	0.1805
			Max			0.6136	3.0680	4.6020	0.3056
			Min			0.1949	0.0000	0.0000	0.0000
AL8	Room 114	1.3 - 2.2	SA	13:55	ON	0.1593	0.7965	1.1948	0.0793
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:32	OFF	0.2704	1.3520	2.0280	0.1347
			Max			0.6136	3.0680	4.6020	0.3056
			Min			0.1011	0.0000	0.0000	0.0000
AL9	Room 122	N/A	SA	14:06	ON	0.1997	0.9985	1.4978	0.0995
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:42	OFF	0.3055	1.5275	2.2913	0.1521
			Max			0.6139	3.0695	4.6043	0.3057
			Min			0.1011	0.0000	0.0000	0.0000
AL10	Room 203	1.3 - 2.2	SA	14:45	ON	0.2577	1.2885	1.9328	0.1283
			Max			0.5227	2.6135	3.9203	0.2603
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:27	OFF	0.0861	0.4305	0.6458	0.0429
			Max			0.3682	1.8410	2.7615	0.1834
			Min			0.0000	0.0000	0.0000	0.0000
AL11	Room 211	1.3 - 2.2	SA	14:34	ON	0.3393	1.6965	2.5448	0.1690
			Max			0.5053	2.5265	3.7898	0.2516
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:17	OFF	0.0734	0.3670	0.5505	0.0366
			Max			0.3682	1.8410	2.7615	0.1834
			Min			0.0000	0.0000	0.0000	0.0000
AL12	Room 222	1.3 - 2.2	SA	14:25	ON	0.2413	1.2065	1.8098	0.1202
			Max			0.5053	2.5265	3.7898	0.2516
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:07	OFF	0.0503	0.2515	0.3773	0.0250
			Max			0.2527	1.2635	1.8953	0.1258
			Min			0.0000	0.0000	0.0000	0.0000
AL13	Room 215	1.3 - 2.2	SA	14:16	ON	0.2716	1.3580	2.0370	0.1353
			Max			0.5053	2.5265	3.7898	0.2516
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:54	OFF	0.0232	0.1160	0.1740	0.0116
			Max			0.2527	1.2635	1.8953	0.1258
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum



Scale: AS SHOWN
 Project No.: G2S14600B
 Date: MAY 2018
 Drawn by: EN/GB
 File name: CBE.DWG

ARBOUR LAKE SCHOOL ADDITIONAL (NOT WIFI) ELECTROMAGNETIC SOURCES

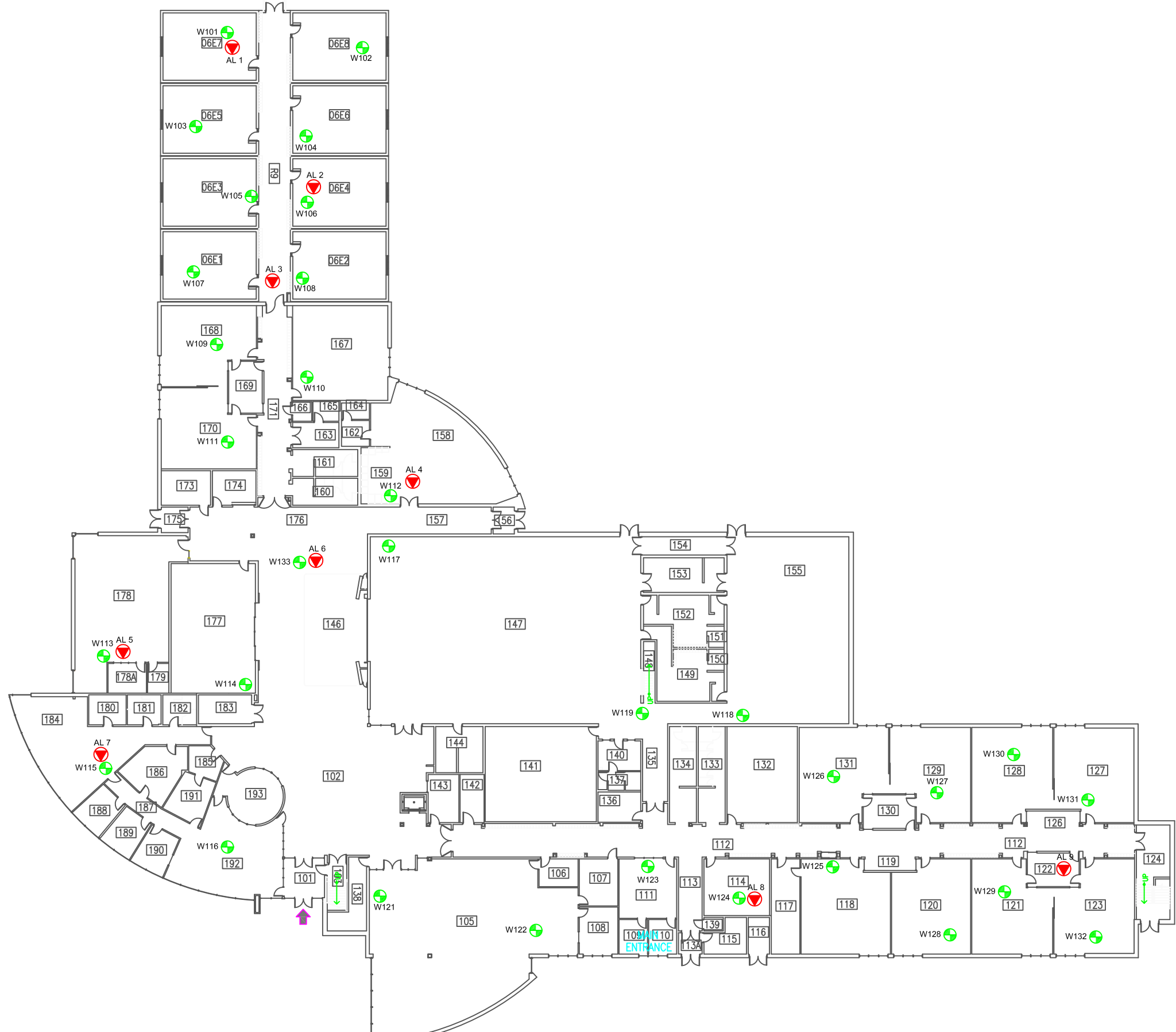
CALGARY

ONTARIO





Drawing No.

B1



LEGEND

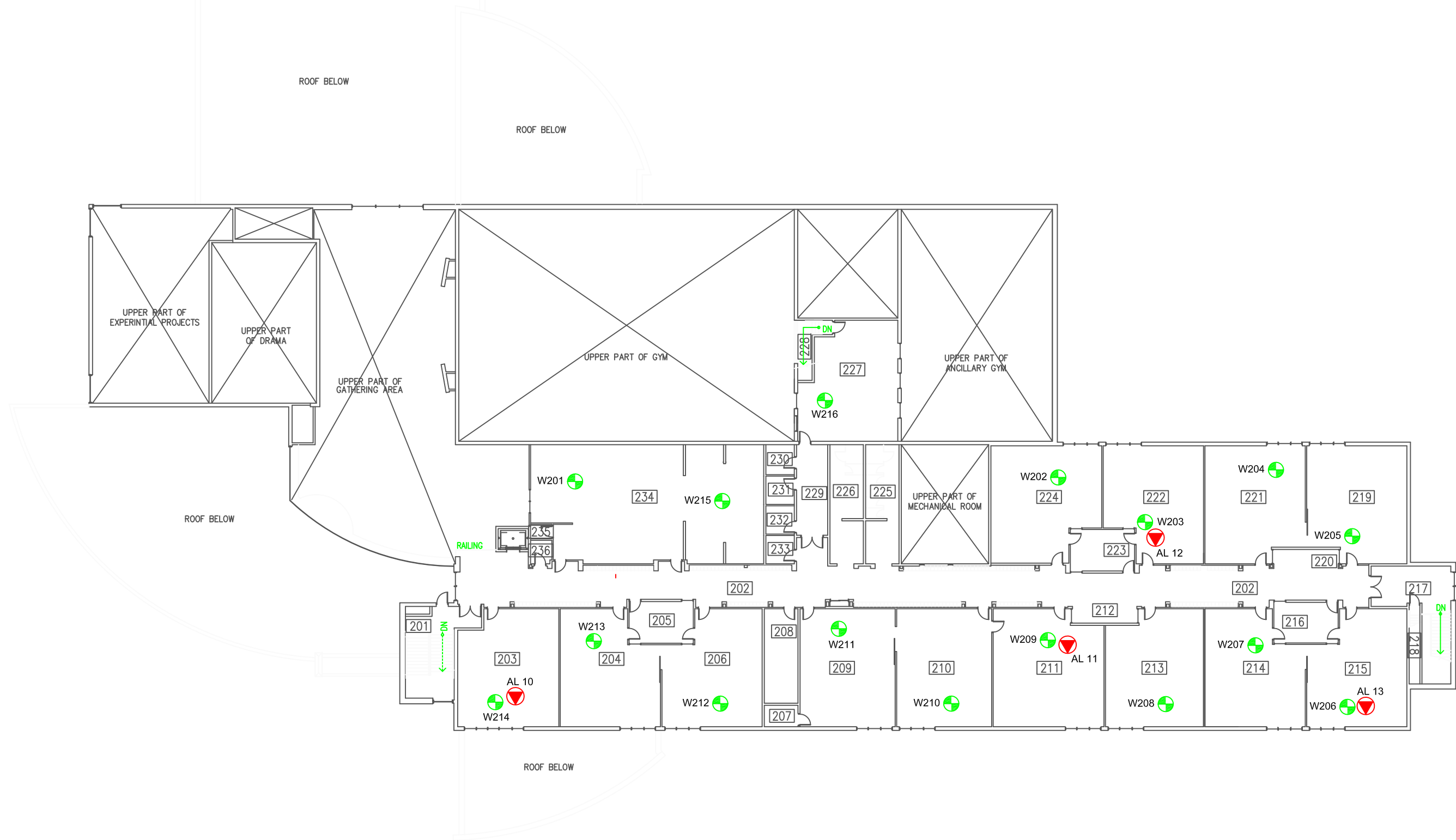
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-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg



ARBOUR LAKE ELEMENTARY SCHOOL- FIRST FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



Drawing No.
B1-1



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

ARBOUR LAKE ELEMENTARY SCHOOL- SECOND FLOOR
 ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



Drawing No.
B1-2

**Attachment B2
Bowness High School**

Table 2: Field Measurements
Bowness High School

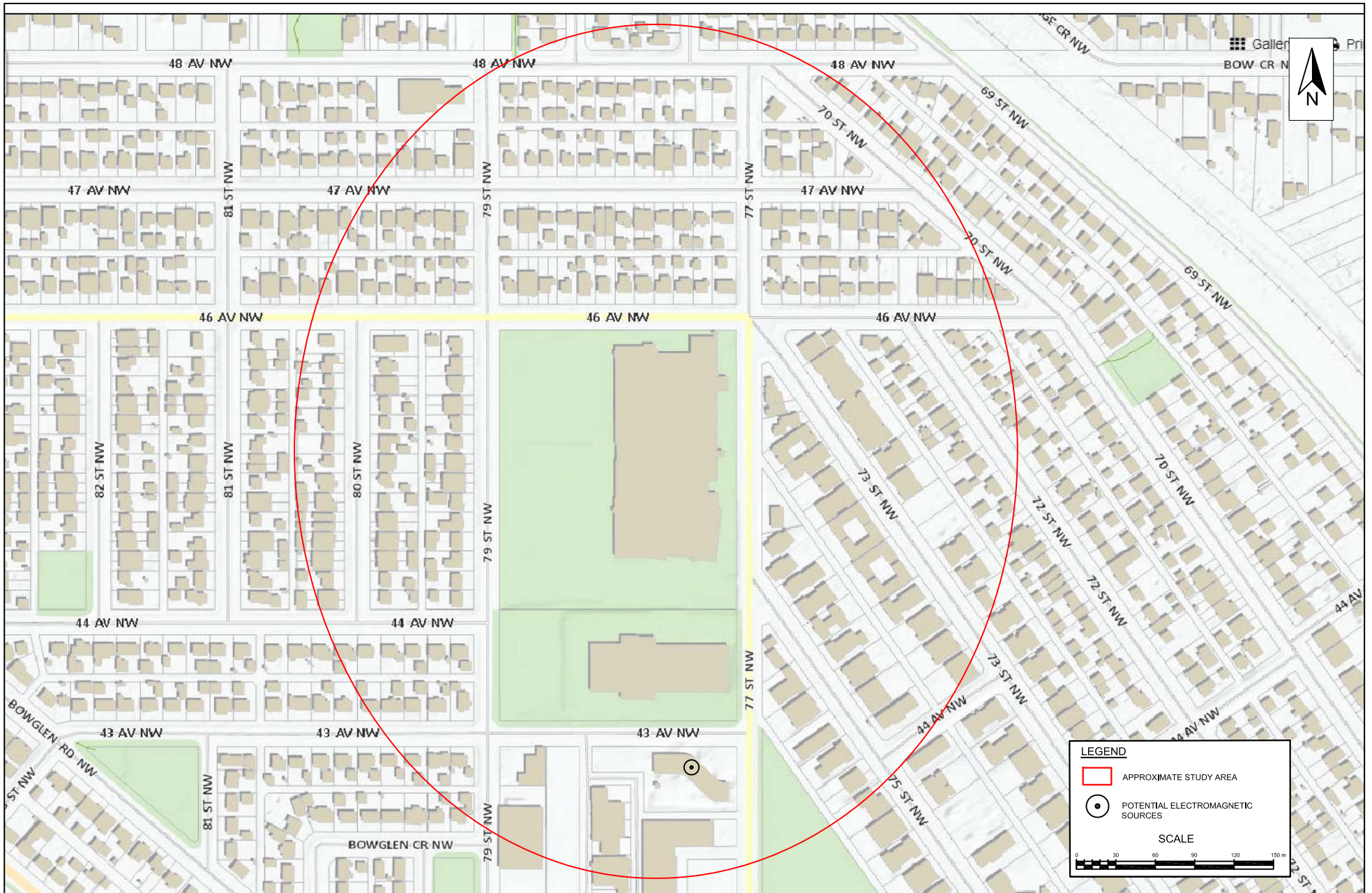
Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
B1	Gym	2.8 - 3.7	SA	12:27	ON	0.9210	4.6050	6.9075	0.0000
			Max			1.1910	5.9550	8.9325	0.5931
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:28	OFF	0.4951	2.4755	3.7133	0.2466
			Max			0.7283	3.6415	5.4623	0.3627
			Min			0.0000	0.0000	0.0000	0.0000
B2	Kitchen	1.3 - 2.2	SA	12:39	ON	1.1100	5.5500	8.3250	0.5528
			Max			1.7510	8.7550	13.1325	0.8720
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:37	OFF	0.6540	3.2700	4.9050	0.3257
			Max			1.1960	5.9800	8.9700	0.5956
			Min			0.0000	0.0000	0.0000	0.0000
B3	Hallway outside Room 1116	0.8 - 1.7	SA	12:51	ON	0.8830	4.4150	6.6225	0.4397
			Max			1.7510	8.7550	13.1325	0.8720
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:59	OFF	0.4958	2.4790	3.7185	0.2469
			Max			1.4390	7.1950	10.7925	0.7166
			Min			0.0000	0.0000	0.0000	0.0000
B4	Counseling Office	0.8 - 1.7	SA	13:00	ON	0.9140	4.5700	6.8550	0.4552
			Max			1.7510	8.7550	13.1325	0.8720
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:09	OFF	0.4434	2.2170	3.3255	0.2208
			Max			1.4390	7.1950	10.7925	0.7166
			Min			0.0000	0.0000	0.0000	0.0000
B5	Computer Server Room	0.8 - 1.7	SA	11:25	ON	0.1605	0.8025	1.2038	0.0799
			Max			0.4739	2.3695	3.5543	0.2360
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:23	OFF	0.3620	1.8100	2.7150	0.1803
			Max			0.2166	1.0830	1.6245	0.1079
			Min			0.0000	0.0000	0.0000	0.0000
B6	Room 1033	0.8 - 1.7	SA	11:34	ON	0.4862	2.4310	3.6465	0.2421
			Max			0.8122	4.0610	6.0915	0.4045
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:33	OFF	0.1586	0.7930	1.1895	0.0790
			Max			0.4454	2.2270	3.3405	0.2218
			Min			0.0000	0.0000	0.0000	0.0000
B7	Woodshop	1.8 - 2.7	SA	11:44	ON	0.6316	3.1580	4.7370	0.3145
			Max			0.9078	4.5390	6.8085	0.4521
			Min			0.0000	0.0000	0.0000	0.0000
			SA	4:43	OFF	0.2222	1.1110	1.6665	0.1107
			Max			0.4454	2.2270	3.3405	0.2218
			Min			0.0000	0.0000	0.0000	0.0000
B8	Autoshop	1.8 - 2.7	SA	11:55	ON	0.6215	3.1075	4.6613	0.3095
			Max			0.9078	4.5390	6.8085	0.4521
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:56	OFF	0.0350	0.1750	0.2625	0.0174
			Max			0.4454	2.2270	3.3405	0.2218
			Min			0.0000	0.0000	0.0000	0.0000
B9	Library	0.8 - 1.7	SA	12:06	ON	0.6779	3.3895	5.0843	0.3376
			Max			0.9078	4.5390	6.8085	0.4521
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:07	OFF	0.2957	1.4785	2.2178	0.1473
			Max			0.4955	2.4775	3.7163	0.2468
			Min			0.0000	0.0000	0.0000	0.0000
B10	Phys-ed Office	0.8 - 1.7	SA	12:17	ON	0.7960	3.9800	5.9700	0.3964
			Max			1.0730	5.3650	8.0475	0.5344
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:18	OFF	0.3440	1.7200	2.5800	0.1713
			Max			0.5543	2.7715	4.1573	0.2760
			Min			0.0000	0.0000	0.0000	0.0000
B11	Room 2228	1.3 - 2.2	SA	14:23	ON	0.8840	4.4200	6.6300	0.4402
			Max			1.1730	5.8650	8.7975	0.5842
			Min			0.6956	3.4780	5.2170	0.3464
			SA	17:48	OFF	0.5174	2.5870	3.8805	0.2577
			Max			1.1960	5.9800	8.9700	0.5956
			Min			0.0000	0.0000	0.0000	0.0000
B12	Room 2031	0.8 - 1.7	SA	13:10	ON	1.0000	5.0000	7.5000	0.4980
			Max			1.1730	5.8650	8.7975	0.5842
			Min			0.7779	3.8895	5.8343	0.3874
			SA	18:21	OFF	0.5269	2.6345	3.9518	0.2624
			Max			1.4390	7.1950	10.7925	0.7166
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum

Table 2: Field Measurements
Bowness High School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
B13	Room 2082	0.8 - 1.7	SA	13:21	ON	0.8970	4.4850	6.7275	0.4467
			Max			1.1730	5.8650	8.7975	0.5842
			Min			0.6956	3.4780	5.2170	0.3464
			SA	18:32	OFF	0.4825	2.4125	3.6188	0.2403
			Max			1.4390	7.1950	10.7925	0.7166
			Min			0.0000	0.0000	0.0000	0.0000
B14	Room 2071	1.3 - 2.2	SA	13:50	ON	0.9160	4.5800	6.8700	0.4562
			Max			1.1730	5.8650	8.7975	0.5842
			Min			0.6956	3.4780	5.2170	0.3464
			SA	19:03	OFF	0.4837	2.4185	3.6278	0.2409
			Max			1.4390	7.1950	10.7925	0.7166
			Min			0.0000	0.0000	0.0000	0.0000
B15	Room 2038	0.8 - 1.7	SA	13:30	ON	0.8830	4.4150	6.6225	0.4397
			Max			1.1730	5.8650	8.7975	0.5842
			Min			0.6956	3.4780	5.2170	0.3464
			SA	18:42	OFF	0.4396	2.1980	3.2970	0.2189
			Max			1.4390	7.1950	10.7925	0.7166
			Min			0.0000	0.0000	0.0000	0.0000
B16	Room 2042	0.8 - 1.7	SA	13:40	ON	0.9290	4.6450	6.9675	0.4626
			Max			1.1730	5.8650	8.7975	0.5842
			Min			0.6956	3.4780	5.2170	0.3464
			SA	18:51	OFF	0.4365	2.1825	3.2738	0.2174
			Max			1.4390	7.1950	10.7925	0.7166
			Min			0.0000	0.0000	0.0000	0.0000
B17	Hallway outside Room 2048	0.8 - 1.7	SA	14:00	ON	0.9290	4.6450	6.9675	0.4626
			Max			1.1730	5.8650	8.7975	0.5842
			Min			0.6956	3.4780	5.2170	0.3464
			SA	19:12	OFF	0.4593	2.2965	3.4448	0.2287
			Max			1.4390	7.1950	10.7925	0.7166
			Min			0.0000	0.0000	0.0000	0.0000
B18	Room 2058	0.8 - 1.7	SA	14:10	ON	0.9650	4.8250	7.2375	0.4806
			Max			1.1730	5.8650	8.7975	0.5842
			Min			0.6956	3.4780	5.2170	0.3464
			SA	19:23	OFF	0.4760	2.3800	3.5700	0.2370
			Max			1.4390	7.1950	10.7925	0.7166
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum



Scale: AS SHOWN
 Project No.: G2S14600B
 Date: MAY 2018
 Drawn by: EN/GB
 File name: CBE.DWG



BOWNESS HIGH SCHOOL
ADDITIONAL (NOT WIFI) ELECTROMAGNETIC SOURCES
 CALGARY ONTARIO



Drawing No.
B2



LEGEND

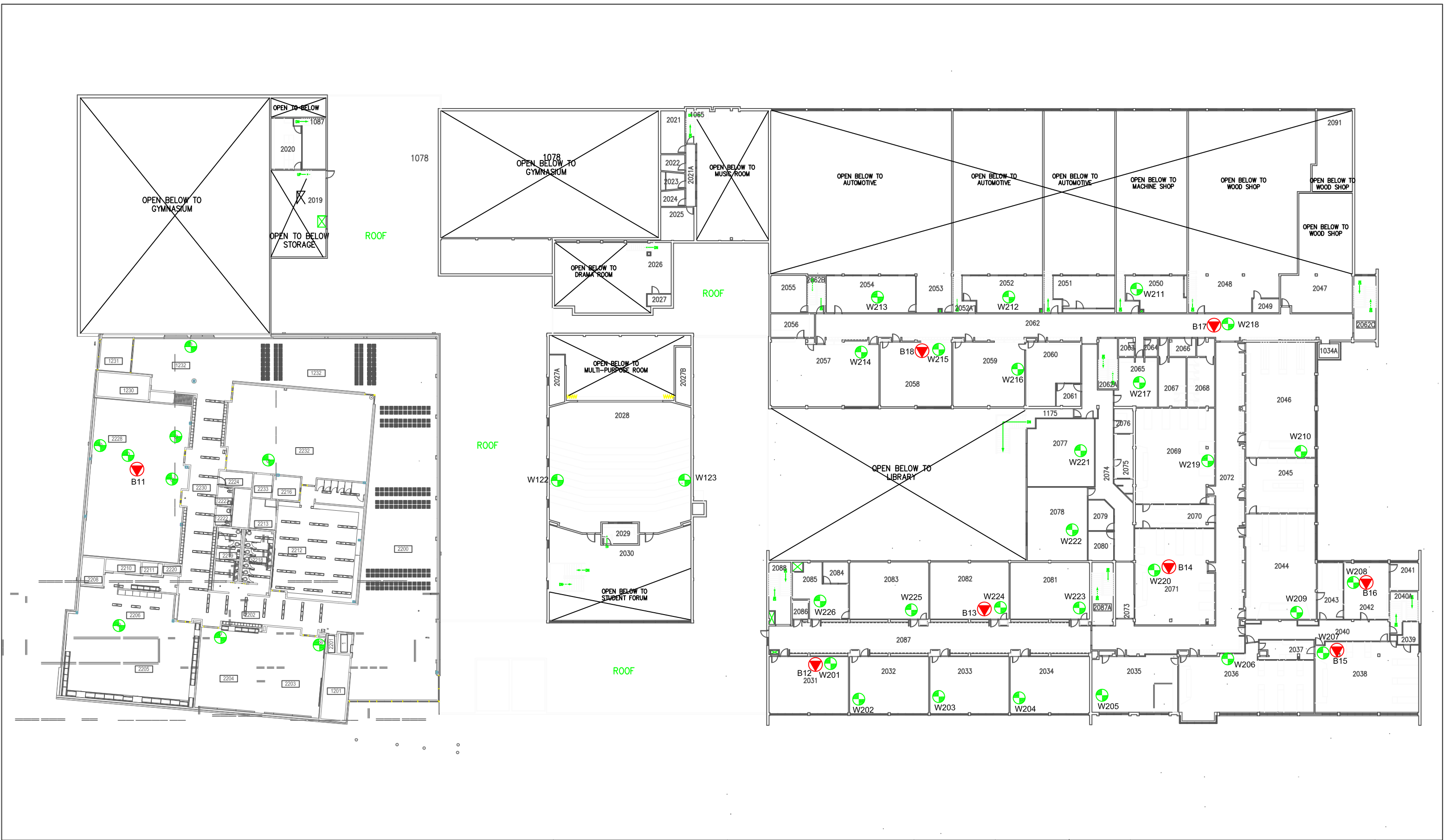
-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg



BOWNESS HIGH SCHOOL
ELECTROMAGNETIC RADIATION (EMR) TESTING
 FIRST FLOOR
 CALGARY ALBERTA



Drawing No.
B2-1



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
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 File name: CBE.dwg

BOWNESS HIGH SCHOOL
ELECTROMAGNETIC RADIATION (EMR) TESTING
 SECOND FLOOR
 CALGARY ALBERTA



Drawing No.
B2-2

**Attachment B3
Branton School**



Table 3: Field Measurements
Branton School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
BR1	Staff Lounge	0.5 - 1.4	SA	11:05	ON	0.0235	0.1175	0.1763	0.0117
			Max			1.0970	5.4850	8.2275	0.5463
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:40	OFF	0.0176	0.0880	0.1320	0.0088
			Max			0.4765	2.3825	3.5738	0.2373
			Min			0.0000	0.0000	0.0000	0.0000
BR2	Cafeteria	1.3 - 2.2	SA	11:14	ON	0.0382	0.1910	0.2865	0.0190
			Max			0.2471	1.2355	1.8533	0.1231
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:51	OFF	0.0389	0.1945	0.2918	0.0194
			Max			0.4765	2.3825	3.5738	0.2373
			Min			0.0000	0.0000	0.0000	0.0000
BR3	Main Office	0.8 - 1.7	SA	9:28	ON	0.1384	0.6920	1.0380	0.0689
			Max			0.4282	2.1410	3.2115	0.2132
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:03	OFF	0.1302	0.6510	0.9765	0.0648
			Max			0.4765	2.3825	3.5738	0.2373
			Min			0.0000	0.0000	0.0000	0.0000
BR4	Room 122	1.3 - 2.2	SA	9:48	ON	0.0868	0.4340	0.6510	0.0432
			Max			0.5340	2.6700	4.0050	0.2659
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:13	OFF	0.4100	2.0500	3.0750	0.2042
			Max			1.1310	5.6550	8.4825	0.5632
			Min			0.0000	0.0000	0.0000	0.0000
BR5	Room 125	1.3 - 2.2	SA	9:39	ON	0.0857	0.4285	0.6428	0.0427
			Max			0.5340	2.6700	4.0050	0.2659
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:22	OFF	0.0571	0.2855	0.4283	0.0284
			Max			1.1310	5.6550	8.4825	0.5632
			Min			0.0000	0.0000	0.0000	0.0000
BR6	Room 130	0.8 - 1.7	SA	11:25	ON	0.0221	0.1105	0.1658	0.0110
			Max			0.2471	1.2355	1.8533	0.1231
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:32	OFF	0.1020	0.5100	0.7650	0.0508
			Max			1.1310	5.6550	8.4825	0.5632
			Min			0.0000	0.0000	0.0000	0.0000
BR7	Library	0.8 - 1.7	SA	9:58	ON	0.0520	0.2600	0.3900	0.0259
			Max			0.5340	2.6700	4.0050	0.2659
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:40	OFF	0.0836	0.4180	0.6270	0.0416
			Max			1.1310	5.6550	8.4825	0.5632
			Min			0.0000	0.0000	0.0000	0.0000
BR8	Room T1331 - A3	0.8 - 1.7	SA	10:08	ON	0.0361	0.1805	0.2708	0.0180
			Max			0.5340	2.6700	4.0050	0.2659
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:51	OFF	0.0378	0.1890	0.2835	0.0188
			Max			1.1310	5.6550	8.4825	0.5632
			Min			0.0000	0.0000	0.0000	0.0000
BR9	Room 151	0.8 - 1.7	SA	10:18	ON	0.0252	0.1260	0.1890	0.0125
			Max			0.5340	2.6700	4.0050	0.2659
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:01	OFF	0.0778	0.3890	0.5835	0.0387
			Max			1.1310	5.6550	8.4825	0.5632
			Min			0.0000	0.0000	0.0000	0.0000
BR10	Room 161	1.3 - 2.2	SA	10:28	ON	0.0396	0.1980	0.2970	0.0197
			Max			0.5340	2.6700	4.0050	0.2659
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:10	OFF	0.1533	0.7665	1.1498	0.0763
			Max			1.1310	5.6550	8.4825	0.5632
			Min			0.0000	0.0000	0.0000	0.0000
BR11	Room 154	1.3 - 2.2	SA	10:37	ON	0.4540	2.2700	3.4050	0.2261
			Max			1.0970	5.4850	8.2275	0.5463
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:18	OFF	0.1006	0.5030	0.7545	0.0501
			Max			1.1310	5.6550	8.4825	0.5632
			Min			0.0000	0.0000	0.0000	0.0000
BR12	Woodshop	0.5 - 1.4	SA	10:47	ON	0.2690	1.3450	2.0175	0.1340
			Max			1.0970	5.4850	8.2275	0.5463
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:29	OFF	0.0742	0.3710	0.5565	0.0370
			Max			1.1310	5.6550	8.4825	0.5632
			Min			0.0000	0.0000	0.0000	0.0000
BR13	Hallway by the Gym	1.8 - 2.7	SA	10:56	ON	0.0839	0.4195	0.6293	0.0418
			Max			1.0970	5.4850	8.2275	0.5463
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:37	OFF	0.1438	0.7190	1.0785	0.0716
			Max			1.1310	5.6550	8.4825	0.5632
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

**BRANTON SCHOOL- MAIN FLOOR
 ELECTROMAGNETIC RADIATION (EMR) TESTING**

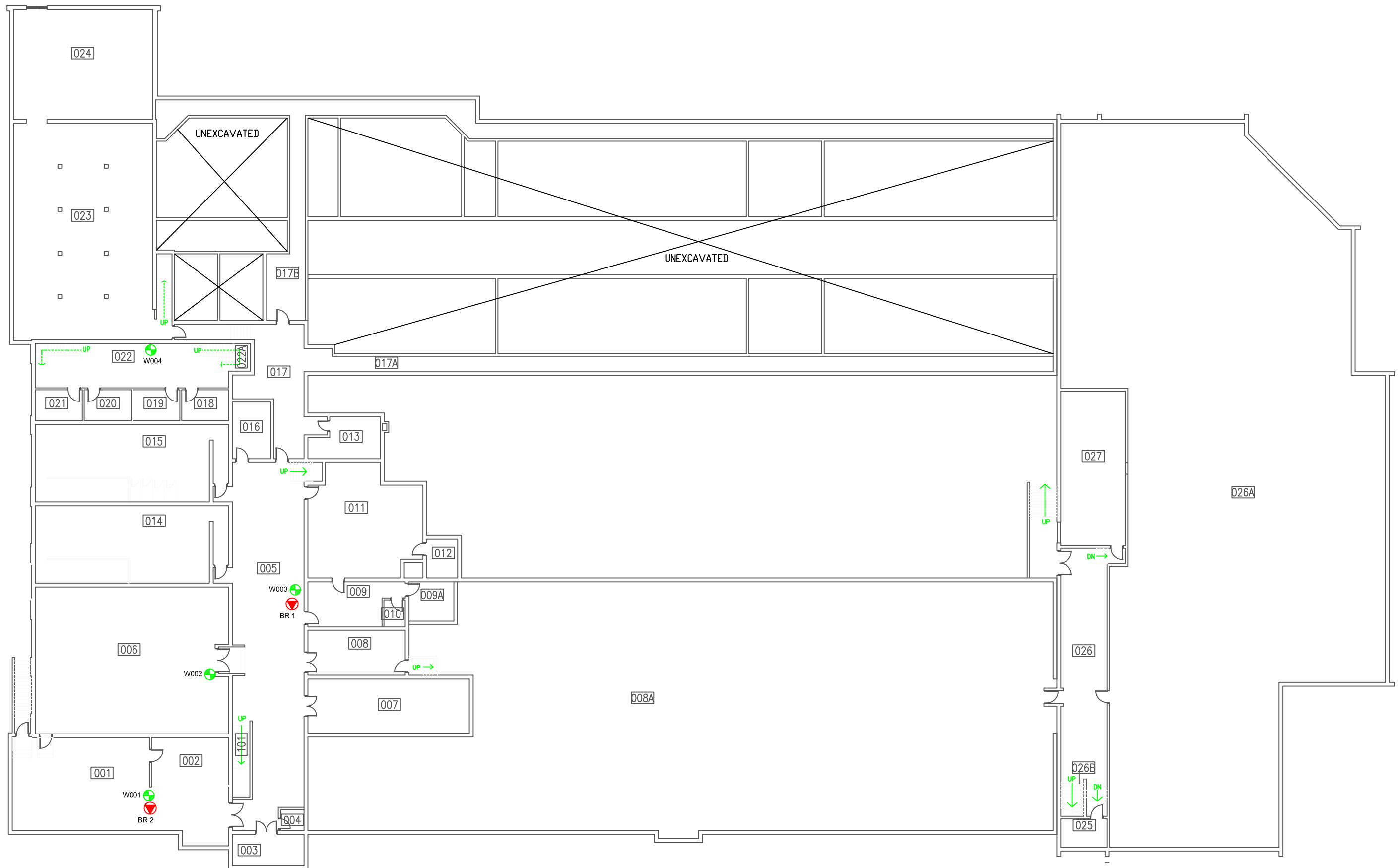
CALGARY

ALBERTA





Drawing No.

B3-1



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

**BRANTON SCHOOL- BASEMENT
 ELECTROMAGNETIC RADIATION (EMR) TESTING**

CALGARY

ALBERTA



Drawing No.

B3-2

**Attachment B4
Centennial High School**

Table 4: Field Measurements
Centennial High School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
CH1	Main Office	1.3 - 2.2	SA	11:31	ON	0.1563	0.7815	1.1723	0.0778
			Max			0.6231	3.1155	4.6733	0.3103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	15:58	OFF	0.2126	1.0630	1.5945	0.1059
			Max			0.5222	2.6110	3.9165	0.2601
			Min			0.0000	0.0000	0.0000	0.0000
CH2	Gym	1.3 - 2.2	SA	13:17	ON	0.0315	0.1575	0.2363	0.0157
			Max			0.6930	3.4650	5.1975	0.3451
			Min			0.0000	0.0000	0.0000	0.0000
			SA	15:49	OFF	0.0624	0.3120	0.4680	0.0311
			Max			0.4943	2.4715	3.7073	0.2462
			Min			0.0000	0.0000	0.0000	0.0000
CH3	Woodshop	1.3 - 2.2	SA	11:22	ON	0.0244	0.1220	0.1830	0.0122
			Max			0.6231	3.1155	4.6733	0.3103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:07	OFF	0.0969	0.4845	0.7268	0.0483
			Max			0.5222	2.6110	3.9165	0.2601
			Min			0.0000	0.0000	0.0000	0.0000
CH4	Staff Room	1.3 - 2.2	SA	10:25	ON	0.0590	0.2950	0.4425	0.0294
			Max			0.2982	1.4910	2.2365	0.1485
			Min			0.0000	0.0000	0.0000	0.0000
			SA	15:39	OFF	0.0905	0.4525	0.6788	0.0451
			Max			0.4943	2.4715	3.7073	0.2462
			Min			0.0000	0.0000	0.0000	0.0000
CH5	Guidance Office	1.3 - 2.2	SA	11:02	ON	0.1048	0.5240	0.7860	0.0522
			Max			0.6231	3.1155	4.6733	0.3103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:16	OFF	0.0594	0.2970	0.4455	0.0296
			Max			0.5222	2.6110	3.9165	0.2601
			Min			0.0000	0.0000	0.0000	0.0000
CH6	Room 1102	1.3 - 2.2	SA	11:11	ON	0.1557	0.7785	1.1678	0.0775
			Max			0.6231	3.1155	4.6733	0.3103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:24	OFF	0.0637	0.3185	0.4778	0.0317
			Max			0.5222	2.6110	3.9165	0.2601
			Min			0.0000	0.0000	0.0000	0.0000
CH7	Hallway by Room 1067	1.8 - 2.7	SA	10:34	ON	0.0430	0.2150	0.3225	0.0214
			Max			0.6231	3.1155	4.6733	0.3103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:33	OFF	0.0396	0.1980	0.2970	0.0197
			Max			0.5222	2.6110	3.9165	0.2601
			Min			0.0000	0.0000	0.0000	0.0000
CH8	Room 1077	1.3 - 2.2	SA	10:52	ON	0.1387	0.6935	1.0403	0.0691
			Max			0.6231	3.1155	4.6733	0.3103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:53	OFF	0.1288	0.6440	0.9660	0.0641
			Max			0.5222	2.6110	3.9165	0.2601
			Min			0.0000	0.0000	0.0000	0.0000
CH9	Room 1050	1.3 - 2.2	SA	10:43	ON	0.1073	0.5365	0.8048	0.0534
			Max			0.6231	3.1155	4.6733	0.3103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:42	OFF	0.0570	0.2850	0.4275	0.0284
			Max			0.5222	2.6110	3.9165	0.2601
			Min			0.0000	0.0000	0.0000	0.0000
CH10	Room 2099	1.3 - 2.2	SA	11:42	ON	0.0471	0.2355	0.3533	0.0235
			Max			0.6231	3.1155	4.6733	0.3103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:11	OFF	0.0867	0.4335	0.6503	0.0432
			Max			0.5222	2.6110	3.9165	0.2601
			Min			0.0000	0.0000	0.0000	0.0000
CH11	Room 2093	1.3 - 2.2	SA	11:51	ON	0.1129	0.5645	0.8468	0.0562
			Max			0.6231	3.1155	4.6733	0.3103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:22	OFF	0.0924	0.4620	0.6930	0.0460
			Max			0.6064	3.0320	4.5480	0.3020
			Min			0.0000	0.0000	0.0000	0.0000
CH12	Library	1.3 - 2.2	SA	12:09	ON	0.1291	0.6455	0.9683	0.0643
			Max			0.6231	3.1155	4.6733	0.3103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:41	OFF	0.0484	0.2420	0.3630	0.0241
			Max			0.6064	3.0320	4.5480	0.3020
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum

Table 4: Field Measurements
Centennial High School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
CH13	Room 2018	1.3 - 2.2	SA	12:19	ON	0.1258	0.6290	0.9435	0.0626
			Max			0.6231	3.1155	4.6733	0.3103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:51	OFF	0.0570	0.2850	0.4275	0.0284
			Max			0.6064	3.0320	4.5480	0.3020
			Min			0.0000	0.0000	0.0000	0.0000
CH14	Room 2045	1.3 - 2.2	SA	12:49	ON	0.1895	0.9475	1.4213	0.0944
			Max			0.6231	3.1155	4.6733	0.3103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:31	OFF	0.0605	0.3025	0.4538	0.0301
			Max			0.6064	3.0320	4.5480	0.3020
			Min			0.0000	0.0000	0.0000	0.0000
CH15	Room 2053	1.3 - 2.2	SA	12:58	ON	0.2216	1.1080	1.6620	0.1104
			Max			0.6930	3.4650	5.1975	0.3451
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:22	OFF	0.0858	0.4290	0.6435	0.0427
			Max			0.6064	3.0320	4.5480	0.3020
			Min			0.0000	0.0000	0.0000	0.0000
CH16	Room 2059	1.3 - 2.2	SA	12:30	ON	0.1161	0.5805	0.8708	0.0578
			Max			0.6231	3.1155	4.6733	0.3103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:02	OFF	0.0665	0.3325	0.4988	0.0331
			Max			0.6064	3.0320	4.5480	0.3020
			Min			0.0000	0.0000	0.0000	0.0000
CH17	Room 2069	1.3 - 2.2	SA	12:39	ON	0.1845	0.9225	1.3838	0.0919
			Max			0.6231	3.1155	4.6733	0.3103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:11	OFF	0.0726	0.3631	0.5447	0.0362
			Max			0.6064	3.0320	4.5480	0.3020
			Min			0.0000	0.0000	0.0000	0.0000
CH18	Hallway by Room 2077	1.3 - 2.2	SA	12:01	ON	0.0640	0.3200	0.4800	0.0319
			Max			0.6231	3.1155	4.6733	0.3103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:30	OFF	0.1647	0.8235	1.2353	0.0820
			Max			0.6064	3.0320	4.5480	0.3020
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum



Scale: AS SHOWN
 Project No.: G2S14600B
 Date: MAY 2018
 Drawn by: EN/GB
 File name: CBE.DWG

CENTENNIAL HIGH SCHOOL ADDITIONAL (NOT WIFI) ELECTROMAGNETIC SOURCES

CALGARY

ONTARIO





Drawing No.

B4



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

**CENTENNIAL HIGH SCHOOL - MAIN FLOOR
 ELECTROMAGNETIC RADIATION (EMR) TESTING**

CALGARY



ALBERTA



Drawing No.
B4-1



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

**CENTENNIAL HIGH SCHOOL - SECOND FLOOR
 ELECTROMAGNETIC RADIATION (EMR) TESTING**

CALGARY ALBERTA



Drawing No.

B4-2

**Attachment B5
Douglasdale School**

Table 5: Field Measurements
Douglasdale School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
DD1	Entrance/Foyer	1.3 - 2.2	SA	14:11	ON	1.1000	5.5000	8.2500	0.5478
			Max			3.5920	17.9600	26.9400	1.7888
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:31	OFF	0.0838	0.4190	0.6285	0.0417
			Max			3.4510	17.2550	25.8825	1.7186
			Min			0.0000	0.0000	0.0000	0.0000
DD2	Main Office	0.5 - 1.4	SA	12:58	ON	0.1744	0.8720	1.3080	0.0869
			Max			0.4816	2.4080	3.6120	0.2398
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:21	OFF	0.0450	0.2250	0.3375	0.0224
			Max			0.3883	1.9415	2.9123	0.1934
			Min			0.0000	0.0000	0.0000	0.0000
DD3	Area 148	1.3 - 2.2	SA	13:16	ON	0.0564	0.2820	0.4230	0.0281
			Max			0.4816	2.4080	3.6120	0.2398
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:36	OFF	0.0313	0.1565	0.2348	0.0156
			Max			0.3733	1.8665	2.7998	0.1859
			Min			0.0000	0.0000	0.0000	0.0000
DD4	Library	1.3 - 2.2	SA	13:24	ON	0.0340	0.1700	0.2550	0.0169
			Max			0.4816	2.4080	3.6120	0.2398
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:45	OFF	0.0654	0.3270	0.4905	0.0326
			Max			0.3733	1.8665	2.7998	0.1859
			Min			0.0000	0.0000	0.0000	0.0000
DD5	Room 153	0.5 - 1.4	SA	13:42	ON	0.1239	0.6195	0.9293	0.0617
			Max			0.6000	3.0000	4.5000	0.2988
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:04	OFF	0.0693	0.3465	0.5198	0.0345
			Max			0.5342	2.6710	4.0065	0.2660
			Min			0.0000	0.0000	0.0000	0.0000
DD6	Staff Room	0.5 - 1.4	SA	13:51	ON	0.0550	0.2750	0.4125	0.0274
			Max			0.6000	3.0000	4.5000	0.2988
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:12	OFF	0.0446	0.2230	0.3345	0.0222
			Max			0.5342	2.6710	4.0065	0.2660
			Min			0.0000	0.0000	0.0000	0.0000
DD7	Room 159	0.5 - 1.4	SA	14:00	ON	0.0807	0.4035	0.6053	0.0402
			Max			0.6000	3.0000	4.5000	0.2988
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:21	OFF	0.0315	0.1575	0.2363	0.0157
			Max			0.5342	2.6710	4.0065	0.2660
			Min			0.0000	0.0000	0.0000	0.0000
DD8	Music Room	0.8 - 1.7	SA	15:01	ON	0.0765	0.3825	0.5738	0.0381
			Max			0.3176	1.5880	2.3820	0.1582
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:59	OFF	0.0421	0.2105	0.3158	0.0210
			Max			0.2021	1.0105	1.5158	0.1006
			Min			0.0000	0.0000	0.0000	0.0000
DD9	Room 75C6	0.8 - 1.7	SA	14:51	ON	0.0393	0.1965	0.2948	0.0196
			Max			0.3176	1.5880	2.3820	0.1582
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:49	OFF	0.0332	0.1660	0.2490	0.0165
			Max			3.4510	17.2550	25.8825	1.7186
			Min			0.0000	0.0000	0.0000	0.0000
DD10	Room 81F8	0.8 - 1.7	SA	2:20	ON	0.0856	0.4280	0.6420	0.0426
			Max			3.5920	17.9600	26.9400	1.7888
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:40	OFF	0.0626	0.3130	0.4695	0.0312
			Max			3.4510	17.2550	25.8825	1.7186
			Min			0.0000	0.0000	0.0000	0.0000
DD11	Room 135	0.5 - 1.4	SA	13:07	ON	0.0846	0.4230	0.6345	0.0421
			Max			0.4816	2.4080	3.6120	0.2398
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:29	OFF	0.0217	0.1085	0.1628	0.0108
			Max			0.3733	1.8665	2.7998	0.1859
			Min			0.0000	0.0000	0.0000	0.0000
DD12	Room 151	N/A	SA	13:33	ON	0.1830	0.9150	1.3725	0.0911
			Max			0.4816	2.4080	3.6120	0.2398
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:53	OFF	0.1475	0.7375	1.1063	0.0735
			Max			0.5342	2.6710	4.0065	0.2660
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum



LEGEND

- ⊕ ACCESS POINT LOCATION AND IDENTIFICATION
- ⊕ SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

**DOUGLASDALE SCHOOL- MAIN FLOOR
 ELECTROMAGNETIC RADIATION (EMR) TESTING**

CALGARY

ALBERTA



Drawing No.
B5-1

**Attachment B6
Grant MacEwan School**

Table 6: Field Measurements
Grant MacEwan School

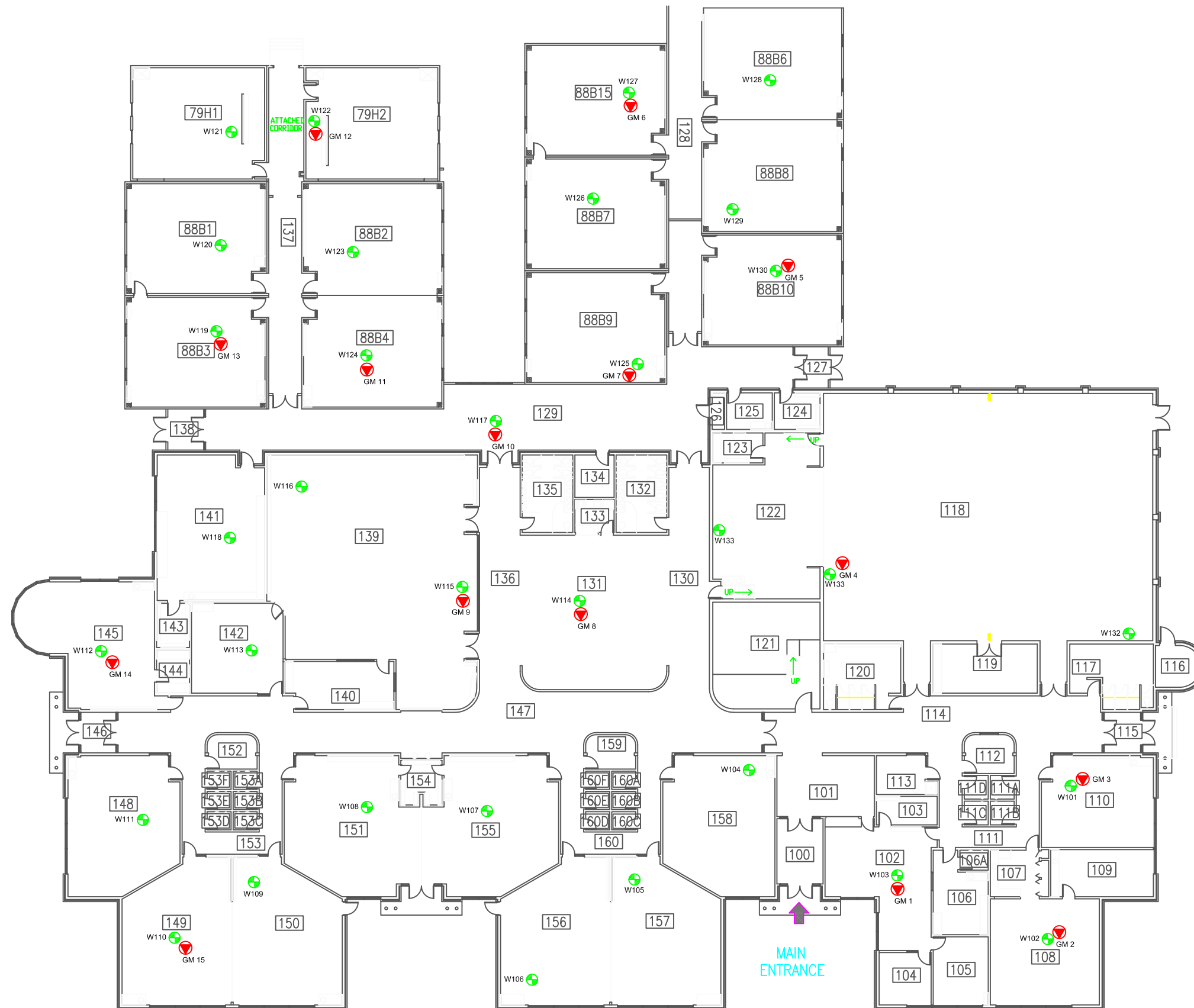
Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
GM 1	Office	1.3 - 2.2	SA	11:04	ON	0.0371	0.1855	0.2783	0.0185
			Max			0.5142	2.5710	3.8565	0.2561
			Min			0.0000	0.0000	0.0000	0.0000
			SA	14:44	OFF	0.0200	0.1000	0.1500	0.0100
			Max			0.4187	2.0935	3.1403	0.2085
			Min			0.0000	0.0000	0.0000	0.0000
GM2	Room 108	1.3 - 2.2	SA	10:54	ON	0.0502	0.2510	0.3765	0.0250
			Max			0.5142	2.5710	3.8565	0.2561
			Min			0.0000	0.0000	0.0000	0.0000
			SA	14:34	OFF	0.2160	1.0800	1.6200	0.1076
			Max			0.4187	2.0935	3.1403	0.2085
			Min			0.0000	0.0000	0.0000	0.0000
GM3	Room 110	1.3 - 2.2	SA	10:45	ON	0.1054	0.5270	0.7905	0.0525
			Max			0.5142	2.5710	3.8565	0.2561
			Min			0.0000	0.0000	0.0000	0.0000
			SA	14:24	OFF	0.0826	0.4130	0.6195	0.0411
			Max			0.4115	2.0575	3.0863	0.2049
			Min			0.0000	0.0000	0.0000	0.0000
GM4	Room 118	1.8 - 2.7	SA	10:36	ON	0.0098	0.0490	0.0735	0.0049
			Max			0.5142	2.5710	3.8565	0.2561
			Min			0.0000	0.0000	0.0000	0.0000
			SA	14:15	OFF	0.0134	0.0670	0.1005	0.0067
			Max			0.4115	2.0575	3.0863	0.2049
			Min			0.0000	0.0000	0.0000	0.0000
GM5	Room 88 B10	1.3 - 2.2	SA	10:16	ON	0.1342	0.6710	1.0065	0.0668
			Max			0.5142	2.5710	3.8565	0.2561
			Min			0.0000	0.0000	0.0000	0.0000
			SA	13:58	OFF	0.0769	0.3845	0.5768	0.0383
			Max			0.4115	2.0575	3.0863	0.2049
			Min			0.0000	0.0000	0.0000	0.0000
GM6	Room 88 B15	1.3 - 2.2	SA	10:26	ON	0.1135	0.5675	0.8513	0.0565
			Max			0.5142	2.5710	3.8565	0.2561
			Min			0.0000	0.0000	0.0000	0.0000
			SA	14:06	OFF	0.0449	0.2245	0.3368	0.0224
			Max			0.4115	2.0575	3.0863	0.2049
			Min			0.0000	0.0000	0.0000	0.0000
GM7	Room 88 B9	1.3 - 2.2	SA	10:05	ON	0.0276	0.1380	0.2070	0.0137
			Max			0.5142	2.5710	3.8565	0.2561
			Min			0.0000	0.0000	0.0000	0.0000
			SA	13:50	OFF	0.0509	0.2545	0.3818	0.0253
			Max			0.4115	2.0575	3.0863	0.2049
			Min			0.0000	0.0000	0.0000	0.0000
GM8	Room 131	1.3 - 2.2	SA	9:18	ON	0.0680	0.3400	0.5100	0.0339
			Max			0.3761	1.8805	2.8208	0.1873
			Min			0.0000	0.0000	0.0000	0.0000
			SA	13:05	OFF	0.1114	0.5570	0.8355	0.0555
			Max			0.3324	1.6620	2.4930	0.1655
			Min			0.0000	0.0000	0.0000	0.0000
GM9	Library	0.8 - 1.7	SA	9:09	ON	0.0892	0.4460	0.6690	0.0444
			Max			0.2995	1.4975	2.2463	0.1492
			Min			0.0000	0.0000	0.0000	0.0000
			SA	12:57	OFF	0.0213	0.1065	0.1598	0.0106
			Max			0.2743	1.3715	2.0573	0.1366
			Min			0.0000	0.0000	0.0000	0.0000
GM10	Hallway by Room 129	0.8 - 1.7	SA	9:27	ON	0.0605	0.3025	0.4538	0.0301
			Max			0.4128	2.0640	3.0960	0.2056
			Min			0.0000	0.0000	0.0000	0.0000
			SA	13:14	OFF	0.0076	0.0380	0.0570	0.0038
			Max			0.3730	1.8650	2.7975	0.1858
			Min			0.0000	0.0000	0.0000	0.0000
GM11	Room 88 B4	1.3 - 2.2	SA	9:36	ON	0.0559	0.2795	0.4193	0.0278
			Max			0.5142	2.5710	3.8565	0.2561
			Min			0.0000	0.0000	0.0000	0.0000
			SA	13:31	OFF	0.0610	0.3050	0.4575	0.0304
			Max			0.2671	1.3355	2.0033	0.1330
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum



Table 6: Field Measurements
Grant MacEwan School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
GM12	Room 79H2	0.8 - 1.7	SA	9:54	ON	0.0585	0.2925	0.4388	0.0291
			Max			0.5142	2.5710	3.8565	0.2561
			Min			0.0000	0.0000	0.0000	0.0000
			SA	13:40	OFF	0.0954	0.4770	0.7155	0.0475
			Max			0.3433	1.7165	2.5748	0.1710
			Min			0.0000	0.0000	0.0000	0.0000
GM13	Room 88B3	1.3 - 2.2	SA	9:44	ON	0.1046	0.5230	0.7845	0.0521
			Max			0.5142	2.5710	3.8565	0.2561
			Min			0.0000	0.0000	0.0000	0.0000
			SA	13:23	OFF	0.0369	0.1845	0.2768	0.0184
			Max			0.2455	1.2275	1.8413	0.1223
			Min			0.0000	0.0000	0.0000	0.0000
GM14	Room 145	1.3 - 2.2	SA	11:22	ON	0.0957	0.4785	0.7178	0.0477
			Max			0.5142	2.5710	3.8565	0.2561
			Min			0.0000	0.0000	0.0000	0.0000
			SA	15:05	OFF	0.1545	0.7725	1.1588	0.0769
			Max			0.4259	2.1295	3.1943	0.2121
			Min			0.0000	0.0000	0.0000	0.0000
GM15	Room 149	1.3 - 2.2	SA	11:14	ON	0.0082	0.0410	0.0615	0.0041
			Max			0.5142	2.5710	3.8565	0.2561
			Min			0.0000	0.0000	0.0000	0.0000
			SA	14:55	OFF	0.0117	0.0585	0.0878	0.0058
			Max			0.4187	2.0935	3.1403	0.2085
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

**GRANT MACEWAN SCHOOL - MAIN FLOOR
 ELECTROMAGNETIC RADIATION (EMR) TESTING
 SECOND FLOOR**

CALGARY

ALBERTA



Drawing No.
B6-1

Attachment B7
Henry Wise Wood High School

Table 7: Field Measurements
Henry Wise Wood High School

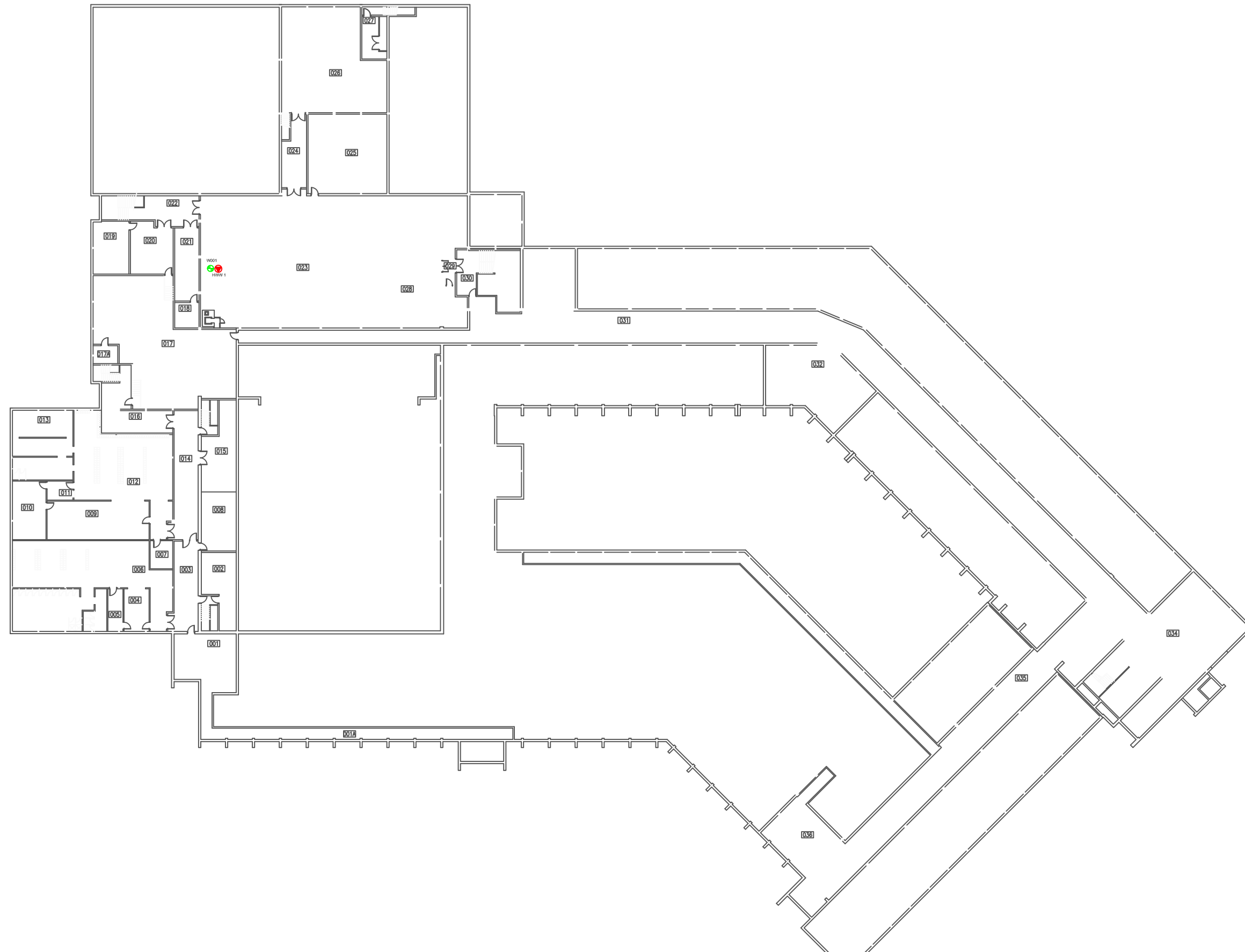
Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
HWW1	Fitness Centre	1.3 - 2.2	SA	13:28	ON	0.0285	0.1425	0.2138	0.0142
			Max			0.9224	4.6120	6.9180	0.4594
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:35	OFF	0.0371	0.1855	0.2783	0.0185
			Max			0.5775	2.8875	4.3313	0.2876
			Min			0.0000	0.0000	0.0000	0.0000
HWW2	Main Office	0.5 - 1.4	SA	13:05	ON	0.0659	0.3295	0.4943	0.0328
			Max			0.5548	2.7740	4.1610	0.2763
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:00	OFF	0.1002	0.5010	0.7515	0.0499
			Max			0.3055	1.5275	2.2913	0.1521
			Min			0.0000	0.0000	0.0000	0.0000
HWW3	Gym	0.5 - 1.4	SA	13:14	ON	0.1282	0.6410	0.9615	0.0638
			Max			0.5548	2.7740	4.1610	0.2763
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:08	OFF	0.1035	0.5175	0.7763	0.0515
			Max			0.3055	1.5275	2.2913	0.1521
			Min			0.0000	0.0000	0.0000	0.0000
HWW4	Phys-ed Office	1.8 - 2.7	SA	11:33	ON	0.2142	1.0710	1.6065	0.1067
			Max			0.5488	2.7440	4.1160	0.2733
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:26	OFF	0.2650	1.3250	1.9875	0.1320
			Max			0.5775	2.8875	4.3313	0.2876
			Min			0.0000	0.0000	0.0000	0.0000
HWW5	Room 1046	0.2 - 1.1	SA	11:43	ON	0.1494	0.7470	1.1205	0.0744
			Max			0.5855	2.9275	4.3913	0.2916
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:44	OFF	0.0582	0.2910	0.4365	0.0290
			Max			0.5775	2.8875	4.3313	0.2876
			Min			0.0000	0.0000	0.0000	0.0000
HWW6	Room 1050	1.8 - 2.7	SA	11:53	ON	0.0599	0.2995	0.4493	0.0298
			Max			0.3360	1.6800	2.5200	0.1673
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:52	OFF	0.0672	0.3360	0.5040	0.0335
			Max			0.5775	2.8875	4.3313	0.2876
			Min			0.0000	0.0000	0.0000	0.0000
HWW7	Room 1105	1.8 - 2.7	SA	12:05	ON	0.0660	0.3300	0.4950	0.0329
			Max			0.4476	2.2380	3.3570	0.2229
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:03	OFF	0.0431	0.2155	0.3233	0.0215
			Max			0.5775	2.8875	4.3313	0.2876
			Min			0.0000	0.0000	0.0000	0.0000
HWW8	Room 1114	1.3 - 2.2	SA	12:14	ON	0.0706	0.3530	0.5295	0.0352
			Max			0.4476	2.2380	3.3570	0.2229
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:12	OFF	0.0503	0.2515	0.3773	0.0250
			Max			0.5775	2.8875	4.3313	0.2876
			Min			0.0000	0.0000	0.0000	0.0000
HWW9	Room 1126	1.3 - 2.2	SA	12:23	ON	0.0539	0.2695	0.4043	0.0268
			Max			0.2740	1.3700	2.0550	0.1365
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:21	OFF	0.0881	0.4405	0.6608	0.0439
			Max			0.5775	2.8875	4.3313	0.2876
			Min			0.0000	0.0000	0.0000	0.0000
HWW10	Room 1184	1.3 - 2.2	SA	12:36	ON	0.0526	0.2630	0.3945	0.0262
			Max			0.3249	1.6245	2.4368	0.1618
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:39	OFF	0.0967	0.4835	0.7253	0.0482
			Max			0.3389	1.6945	2.5418	0.1688
			Min			0.0000	0.0000	0.0000	0.0000
HWW11	Room 1143	0.5 - 1.4	SA	12:46	ON	0.0943	0.4715	0.7073	0.0470
			Max			0.3537	1.7685	2.6528	0.1761
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:30	OFF	0.0337	0.1685	0.2528	0.0168
			Max			0.5775	2.8875	4.3313	0.2876
			Min			0.0000	0.0000	0.0000	0.0000
HWW12	Library	1.3 - 2.2	SA	12:55	ON	0.1665	0.8325	1.2488	0.0829
			Max			0.3898	1.9490	2.9235	0.1941
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:49	OFF	0.0549	0.2745	0.4118	0.0273
			Max			0.3826	1.9130	2.8695	0.1905
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum



Table 7: Field Measurements
Henry Wise Wood High School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
HWW13	Room 2014	1.3 - 2.2	SA	13:40	ON	0.0506	0.2530	0.3795	0.0252
			Max			0.9224	4.6120	6.9180	0.4594
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:19	OFF	0.0519	0.2595	0.3893	0.0258
			Max			0.3754	1.8770	2.8155	0.1869
			Min			0.0000	0.0000	0.0000	0.0000
HWW14	Room 2022	1.3 - 2.2	SA	13:49	ON	0.1501	0.7505	1.1258	0.0747
			Max			0.9224	4.6120	6.9180	0.4594
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:28	OFF	0.1332	0.6660	0.9990	0.0663
			Max			0.3754	1.8770	2.8155	0.1869
			Min			0.0000	0.0000	0.0000	0.0000
HWW15	Room 2045	1.3 - 2.2	SA	13:59	ON	0.0379	0.1895	0.2843	0.0189
			Max			0.9224	4.6120	6.9180	0.4594
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:37	OFF	0.1229	0.6145	0.9218	0.0612
			Max			0.4177	2.0885	3.1328	0.2080
			Min			0.0000	0.0000	0.0000	0.0000
HWW16	Room 3038	1.3 - 2.2	SA	14:09	ON	0.2008	1.0040	1.5060	0.1000
			Max			0.5749	2.8745	4.3118	0.2863
			Min			0.0072	0.0360	0.0540	0.0036
			SA	18:46	OFF	0.1385	0.6925	1.0388	0.0690
			Max			0.4372	2.1860	3.2790	0.2177
			Min			0.0000	0.0000	0.0000	0.0000
HWW17	Room 3018	1.3 - 2.2	SA	14:19	ON	0.1186	0.5930	0.8895	0.0591
			Max			0.4032	2.0160	3.0240	0.2008
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:55	OFF	0.1603	0.8015	1.2023	0.0798
			Max			0.4445	2.2225	3.3338	0.2214
			Min			0.0000	0.0000	0.0000	0.0000
HWW18	Room 3004	1.3 - 2.2	SA	14:29	ON	0.0575	0.2875	0.4313	0.0286
			Max			0.4032	2.0160	3.0240	0.2008
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:04	OFF	0.0084	0.0420	0.0630	0.0042
			Max			0.4445	2.2225	3.3338	0.2214
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg



HENRY WISE WOOD SCHOOL - LOWER LEVEL
ELECTROMAGNETIC RADIATION (EMR) TESTING
 SECOND FLOOR
 CALGARY ALBERTA



Drawing No.
B7-1



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

HENRY WISE WOOD SCHOOL - MAIN LEVEL
ELECTROMAGNETIC RADIATION (EMR) TESTING
 SECOND FLOOR

CALGARY



ALBERTA



Drawing No.
B7-2



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg



HENRY WISE WOOD SCHOOL - SECOND LEVEL
ELECTROMAGNETIC RADIATION (EMR) TESTING
 SECOND FLOOR
 CALGARY ALBERTA



Drawing No.
B7-3



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

HENRY WISE WOOD SCHOOL - THIRD LEVEL
ELECTROMAGNETIC RADIATION (EMR) TESTING
 SECOND FLOOR
 CALGARY ALBERTA



Drawing No.

B7-4

Attachment B8
John G. Diefenbaker High School

Table 8: Field Measurements
John G. Diefenbaker High School

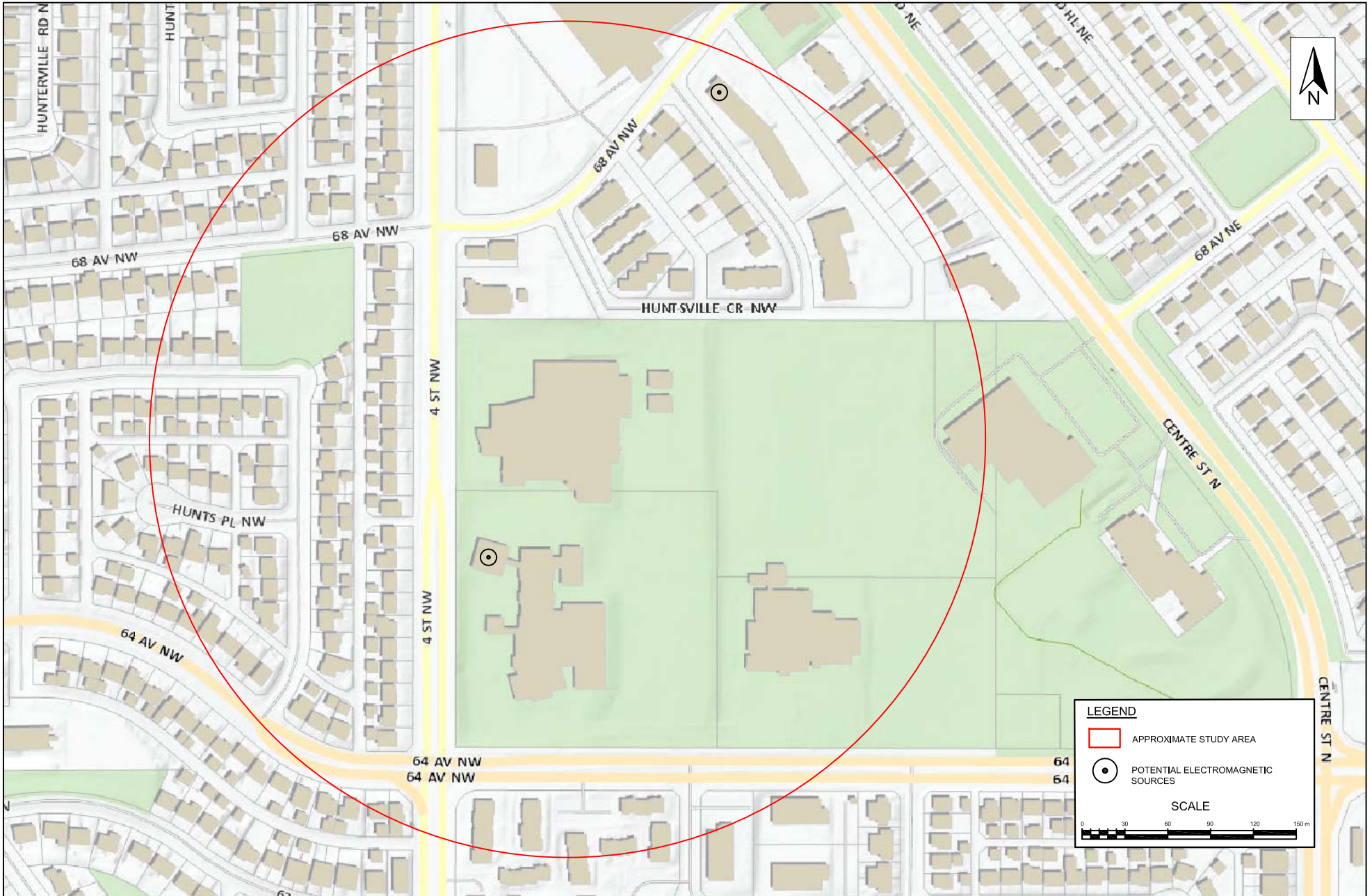
Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
JD1	Portable 49-66	0.8 - 1.7	SA	13:48	ON	0.1855	0.9275	1.3913	0.0924
			Max			0.6497	3.2485	4.8728	0.3236
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:52	OFF	0.0641	0.3205	0.4808	0.0319
			Max			0.3898	1.9490	2.9235	0.1941
			Min			0.0000	0.0000	0.0000	0.0000
JD2	Room 046	1.8 - 2.7	SA	11:02	ON	0.1756	0.8780	1.3170	0.0874
			Max			0.3654	1.8270	2.7405	0.1820
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:02	OFF	0.0569	0.2845	0.4268	0.0283
			Max			0.3405	1.7025	2.5538	0.1696
			Min			0.0000	0.0000	0.0000	0.0000
JD3	Room 036	1.8 - 2.7	SA	11:11	ON	0.1101	0.5505	0.8258	0.0548
			Max			0.3754	1.8770	2.8155	0.1869
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:14	OFF	0.0766	0.3830	0.5745	0.0381
			Max			0.3393	1.6965	2.5448	0.1690
			Min			0.0000	0.0000	0.0000	0.0000
JD4	Room 029	1.8 - 2.7	SA	11:21	ON	0.0724	0.3620	0.5430	0.0361
			Max			0.4821	2.4105	3.6158	0.2401
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:24	OFF	0.0414	0.2070	0.3105	0.0206
			Max			0.3393	1.6965	2.5448	0.1690
			Min			0.0000	0.0000	0.0000	0.0000
JD5	Room 023	1.8 - 2.7	SA	11:30	ON	0.0306	0.1530	0.2295	0.0152
			Max			0.4821	2.4105	3.6158	0.2401
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:39	OFF	0.0448	0.2240	0.3360	0.0223
			Max			0.3393	1.6965	2.5448	0.1690
			Min			0.0000	0.0000	0.0000	0.0000
JD6	Woodshop	1.8 - 2.7	SA	11:45	ON	0.0203	0.1015	0.1523	0.0101
			Max			0.4821	2.4105	3.6158	0.2401
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:47	OFF	0.0385	0.1925	0.2888	0.0192
			Max			0.3393	1.6965	2.5448	0.1690
			Min			0.0000	0.0000	0.0000	0.0000
JD7	Room 010	1.8 - 2.7	SA	11:51	ON	0.0441	0.2205	0.3308	0.0220
			Max			0.4821	2.4105	3.6158	0.2401
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:02	OFF	0.1900	0.9500	1.4250	0.0946
			Max			0.5559	2.7795	4.1693	0.2768
			Min			0.0000	0.0000	0.0000	0.0000
JD8	Student Services Office	1.8 - 2.7	SA	12:12	ON	0.1232	0.6160	0.9240	0.0614
			Max			0.4821	2.4105	3.6158	0.2401
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:43	OFF	0.0977	0.4885	0.7328	0.0487
			Max			0.7694	3.8470	5.7705	0.3832
			Min			0.0000	0.0000	0.0000	0.0000
JD9	Main Office	0.8 - 1.7	SA	12:21	ON	0.0699	0.3495	0.5243	0.0348
			Max			0.4821	2.4105	3.6158	0.2401
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:51	OFF	0.1263	0.6315	0.9473	0.0629
			Max			0.7694	3.8470	5.7705	0.3832
			Min			0.0000	0.0000	0.0000	0.0000
JD10	Lunch Room	1.3 - 2.2	SA	12:31	ON	0.0399	0.1995	0.2993	0.0199
			Max			0.4821	2.4105	3.6158	0.2401
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:00	OFF	0.0680	0.3400	0.5100	0.0339
			Max			0.7694	3.8470	5.7705	0.3832
			Min			0.0000	0.0000	0.0000	0.0000
JD11	Fitness Center	0.8 - 1.7	SA	13:10	ON	0.0266	0.1330	0.1995	0.0132
			Max			0.4821	2.4105	3.6158	0.2401
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:19	OFF	0.0154	0.0770	0.1155	0.0077
			Max			0.7694	3.8470	5.7705	0.3832
			Min			0.0000	0.0000	0.0000	0.0000
JD12	Food Studies Classroom	1.8 - 2.7	SA	13:00	ON	0.0538	0.2690	0.4035	0.0268
			Max			0.4821	2.4105	3.6158	0.2401
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:09	OFF	0.0346	0.1730	0.2595	0.0172
			Max			0.7694	3.8470	5.7705	0.3832
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum

Table 8: Field Measurements
John G. Diefenbaker High School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
JD13	Gym	0.8 - 1.7	SA	13:19	ON	0.0408	0.2040	0.3060	0.0203
			Max			0.4821	2.4105	3.6158	0.2401
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:28	OFF	0.0353	0.1765	0.2648	0.0176
			Max			0.7694	3.8470	5.7705	0.3832
			Min			0.0000	0.0000	0.0000	0.0000
JD14	Hallway by Room 1010	1.3 - 2.2	SA	13:28	ON	0.0067	0.0335	0.0503	0.0033
			Max			0.4821	2.4105	3.6158	0.2401
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:36	OFF	0.0981	0.4905	0.7358	0.0489
			Max			0.7694	3.8470	5.7705	0.3832
			Min			0.0000	0.0000	0.0000	0.0000
JD15	Science Lab	1.8 - 2.7	SA	12:40	ON	0.0265	0.1325	0.1988	0.0132
			Max			0.4821	2.4105	3.6158	0.2401
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:45	OFF	0.0345	0.1725	0.2588	0.0172
			Max			0.1917	0.9585	1.4378	0.0955
			Min			0.0000	0.0000	0.0000	0.0000
JD16	Room 1095	0.8 - 1.7	SA	12:50	ON	0.1391	0.6955	1.0433	0.0693
			Max			0.4821	2.4105	3.6158	0.2401
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:54	OFF	0.1000	0.5000	0.7500	0.0498
			Max			0.3405	1.7025	2.5538	0.1696
			Min			0.0000	0.0000	0.0000	0.0000
JD17	Room 1081	1.8 - 2.7	SA	12:02	ON	0.1470	0.7350	1.1025	0.0732
			Max			0.4821	2.4105	3.6158	0.2401
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:40	OFF	0.0272	0.1360	0.2040	0.0135
			Max			0.7694	3.8470	5.7705	0.3832
			Min			0.0000	0.0000	0.0000	0.0000
JD18	Room 2024	1.8 - 2.7	SA	15:00	ON	0.1590	0.7950	1.1925	0.0792
			Max			0.7885	3.9425	5.9138	0.3927
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:20	OFF	0.0507	0.2535	0.3803	0.0252
			Max			0.7694	3.8470	5.7705	0.3832
			Min			0.0000	0.0000	0.0000	0.0000
JD19	Room 2032	1.8 - 2.7	SA	14:40	ON	0.5394	2.6970	4.0455	0.2686
			Max			0.7885	3.9425	5.9138	0.3927
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:11	OFF	0.1031	0.5155	0.7733	0.0513
			Max			0.7694	3.8470	5.7705	0.3832
			Min			0.0000	0.0000	0.0000	0.0000
JD20	Career Centre Workspace	1.8 - 2.7	SA	14:01	ON	0.0893	0.4465	0.6698	0.0445
			Max			0.6497	3.2485	4.8728	0.3236
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:29	OFF	0.0783	0.3915	0.5873	0.0390
			Max			0.3032	1.5160	2.2740	0.1510
			Min			0.0000	0.0000	0.0000	0.0000
JD21	Room 2013	1.8 - 2.7	SA	14:10	ON	0.2312	1.1560	1.7340	0.1151
			Max			0.6497	3.2485	4.8728	0.3236
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:38	OFF	0.2219	1.1095	1.6643	0.1105
			Max			0.3898	1.9490	2.9235	0.1941
			Min			0.0000	0.0000	0.0000	0.0000
JD22	Room 2008B	1.8 - 2.7	SA	14:21	ON	0.4240	2.1200	3.1800	0.2112
			Max			0.6497	3.2485	4.8728	0.3236
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:46	OFF	0.3922	1.9610	2.9415	0.1953
			Max			0.5965	2.9825	4.4738	0.2971
			Min			0.0000	0.0000	0.0000	0.0000
JD23	Room 2003	1.8 - 2.7	SA	14:30	ON	0.4740	2.3700	3.5550	0.2361
			Max			0.6497	3.2485	4.8728	0.3236
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:55	OFF	0.4637	2.3185	3.4778	0.2309
			Max			0.6715	3.3575	5.0363	0.3344
			Min			0.0000	0.0000	0.0000	0.0000
JD24	Room 2032	1.8 - 2.7	SA	14:49	ON	0.0894	0.4470	0.6705	0.0445
			Max			0.7885	3.9425	5.9138	0.3927
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:03	OFF	0.5626	2.8130	4.2195	0.2802
			Max			0.7694	3.8470	5.7705	0.3832
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
SA = Spatial Average
Max = Maximum
Min = Minimum



Scale: AS SHOWN
 Project No.: G2S14600B
 Date: MAY 2018
 Drawn by: EN/GB
 File name: CBE.DWG

**JOHN G. DIEFENBAKER HIGH SCHOOL
 ADDITIONAL (NOT WIFI) ELECTROMAGNETIC SOURCES**

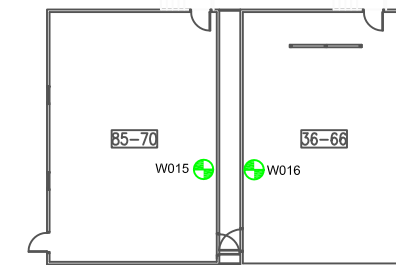
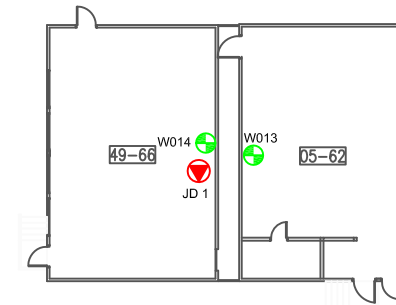
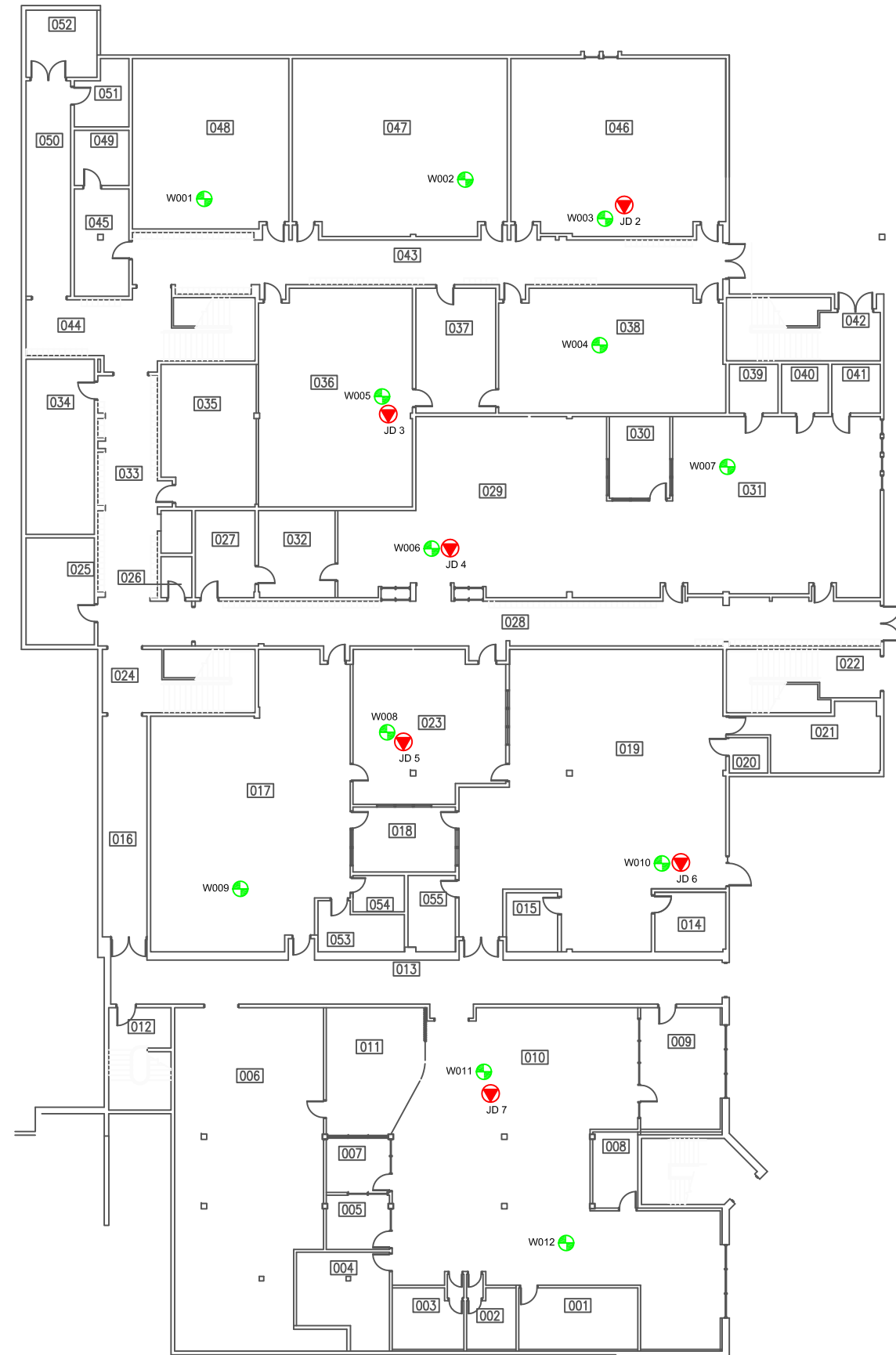
CALGARY

ONTARIO





Drawing No.

B8



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

JOHN G. DIEFENBAKER HIGH SCHOOL - BASEMENT AND PORTABLES
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA





Drawing No.

B8-1



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg



JOHN G. DIEFENBAKER HIGH SCHOOL - MAIN FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



Drawing No.
B8-2



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

JOHN G. DIEFENBAKER HIGH SCHOOL - SECOND FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



Drawing No.
B8-3

**Attachment B9
John Ware School**



Table 9: Field Measurements
John Ware School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
JW1	Room 111	1.3 - 2.2	SA	12:58	ON	0.1004	0.5020	0.7530	0.0500
			Max			0.3616	1.8080	2.7120	0.1801
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:29	OFF	0.0627	0.3135	0.4703	0.0312
			Max			0.4316	2.1580	3.2370	0.2149
			Min			0.0000	0.0000	0.0000	0.0000
JW2	Room 120	1.3 - 2.2	SA	13:56	ON	0.1149	0.5745	0.8618	0.0572
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:37	OFF	0.0964	0.4820	0.7230	0.0480
			Max			0.4428	2.2140	3.3210	0.2205
			Min			0.0000	0.0000	0.0000	0.0000
JW3	Room 122	0.8 - 1.7	SA	13:46	ON	0.0251	0.1255	0.1883	0.0125
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:47	OFF	0.0613	0.3065	0.4598	0.0305
			Max			0.5043	2.5215	3.7823	0.2511
			Min			0.0000	0.0000	0.0000	0.0000
JW4	Room 135	1.3 - 2.2	SA	13:37	ON	0.1533	0.7665	1.1498	0.0763
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:56	OFF	0.1084	0.5420	0.8130	0.0540
			Max			0.5043	2.5215	3.7823	0.2511
			Min			0.0000	0.0000	0.0000	0.0000
JW5	Library	1.3 - 2.2	SA	13:19	ON	0.0210	0.1050	0.1575	0.0105
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:13	OFF	0.0765	0.3825	0.5738	0.0381
			Max			0.5043	2.5215	3.7823	0.2511
			Min			0.0000	0.0000	0.0000	0.0000
JW6	Room 139	1.3 - 2.2	SA	13:28	ON	0.0117	0.0585	0.0878	0.0058
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:21	OFF	0.0202	0.1010	0.1515	0.0101
			Max			0.5043	2.5215	3.7823	0.2511
			Min			0.0000	0.0000	0.0000	0.0000
JW7	Room 188	1.3 - 2.2	SA	14:33	ON	0.0863	0.4315	0.6473	0.0430
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:39	OFF	0.0392	0.1960	0.2940	0.0195
			Max			0.5043	2.5215	3.7823	0.2511
			Min			0.0000	0.0000	0.0000	0.0000
JW8	Room 142	1.3 - 2.2	SA	14:23	ON	0.0571	0.2855	0.4283	0.0284
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:30	OFF	0.0960	0.4800	0.7200	0.0478
			Max			0.5043	2.5215	3.7823	0.2511
			Min			0.0000	0.0000	0.0000	0.0000
JW9	Woodshop	0.8 - 1.7	SA	14:42	ON	0.0112	0.0560	0.0840	0.0056
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:48	OFF	0.0176	0.0880	0.1320	0.0088
			Max			0.5043	2.5215	3.7823	0.2511
			Min			0.0000	0.0000	0.0000	0.0000
JW10	Room 149	1.3 - 2.2	SA	14:15	ON	0.0935	0.4675	0.7013	0.0466
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:56	OFF	0.0648	0.3240	0.4860	0.0323
			Max			0.5043	2.5215	3.7823	0.2511
			Min			0.0000	0.0000	0.0000	0.0000
JW11	Room 152	0.8 - 1.7	SA	14:05	ON	0.0222	0.1110	0.1665	0.0111
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:05	OFF	0.0096	0.0480	0.0720	0.0048
			Max			0.5043	2.5215	3.7823	0.2511
			Min			0.0000	0.0000	0.0000	0.0000
JW12	Portable 37/66	0.8 - 1.7	SA	13:08	ON	0.0265	0.1325	0.1988	0.0132
			Max			0.3616	1.8080	2.7120	0.1801
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:05	OFF	0.0076	0.0380	0.0570	0.0038
			Max			0.5043	2.5215	3.7823	0.2511
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

JOHN WARE- MAIN FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



Drawing No.
B9-1

**Attachment B10
Killarney School**



Table 10: Field Measurements
Killarney School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
K1	Main Office	0.8 - 1.7	SA	13:26	ON	0.1049	0.5245	0.7868	0.0522
			Max			0.4076	2.0380	3.0570	0.2030
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:31	OFF	0.1049	0.5245	0.7868	0.0522
			Max			0.4076	2.0380	3.0570	0.2030
			Min			0.0000	0.0000	0.0000	0.0000
K2	Room 108	1.3 - 2.2	SA	13:34	ON	0.0895	0.4475	0.6713	0.0446
			Max			0.4553	2.2765	3.4148	0.2267
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:42	OFF	0.1456	0.7280	1.0920	0.0725
			Max			0.4746	2.3730	3.5595	0.2364
			Min			0.0000	0.0000	0.0000	0.0000
K3	Room 112	1.3 - 2.2	SA	13:44	ON	0.1516	0.7580	1.1370	0.0755
			Max			0.4553	2.2765	3.4148	0.2267
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:52	OFF	0.0530	0.2650	0.3975	0.0264
			Max			0.4743	2.3715	3.5573	0.2362
			Min			0.0000	0.0000	0.0000	0.0000
K4	Staff Room	1.3 - 2.2	SA	13:17	ON	0.0959	0.4795	0.7193	0.0478
			Max			0.2960	1.4800	2.2200	0.1474
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:25	OFF	0.0566	0.2830	0.4245	0.0282
			Max			0.3455	1.7275	2.5913	0.1721
			Min			0.0000	0.0000	0.0000	0.0000
K5	Gym	1.8 - 2.7	SA	13:53	ON	0.0700	0.3500	0.5250	0.0349
			Max			0.4553	2.2765	3.4148	0.2267
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:36	OFF	0.0940	0.4700	0.7050	0.0468
			Max			0.4611	2.3055	3.4583	0.2296
			Min			0.0000	0.0000	0.0000	0.0000
K6	Library	0.8 - 1.7	SA	14:03	ON	0.0663	0.3315	0.4973	0.0330
			Max			0.4553	2.2765	3.4148	0.2267
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:45	OFF	0.1332	0.6660	0.9990	0.0663
			Max			0.4743	2.3715	3.5573	0.2362
			Min			0.0000	0.0000	0.0000	0.0000
K7	Room 137	1.3 - 2.2	SA	14:12	ON	0.1813	0.9065	1.3598	0.0903
			Max			0.4553	2.2765	3.4148	0.2267
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:54	OFF	0.0826	0.4130	0.6195	0.0411
			Max			0.4743	2.3715	3.5573	0.2362
			Min			0.0000	0.0000	0.0000	0.0000
K8	Hallway by Room 131	N/A	SA	14:21	ON	0.0802	0.4010	0.6015	0.0399
			Max			0.4553	2.2765	3.4148	0.2267
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:03	OFF	0.1447	0.7235	1.0853	0.0721
			Max			0.4743	2.3715	3.5573	0.2362
			Min			0.0000	0.0000	0.0000	0.0000
K9	Room 135	0.8 - 1.7	SA	14:38	ON	0.0505	0.2525	0.3788	0.0251
			Max			0.4553	2.2765	3.4148	0.2267
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:21	OFF	0.0306	0.1530	0.2295	0.0152
			Max			0.4743	2.3715	3.5573	0.2362
			Min			0.0000	0.0000	0.0000	0.0000
K10	Room 132	1.3 - 2.2	SA	14:30	ON	0.0449	0.2245	0.3368	0.0224
			Max			0.4553	2.2765	3.4148	0.2267
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:11	OFF	0.0688	0.3440	0.5160	0.0343
			Max			0.4743	2.3715	3.5573	0.2362
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

KILLARNEY SCHOOL - MAIN FLOOR
 ELECTROMAGNETIC RADIATION (EMR) TESTING

CALGARY

ALBERTA



Drawing No.
B10-1

**Attachment B1
Lester B. Pearson High School**

Table 11: Field Measurements
Lester B. Pearson High School

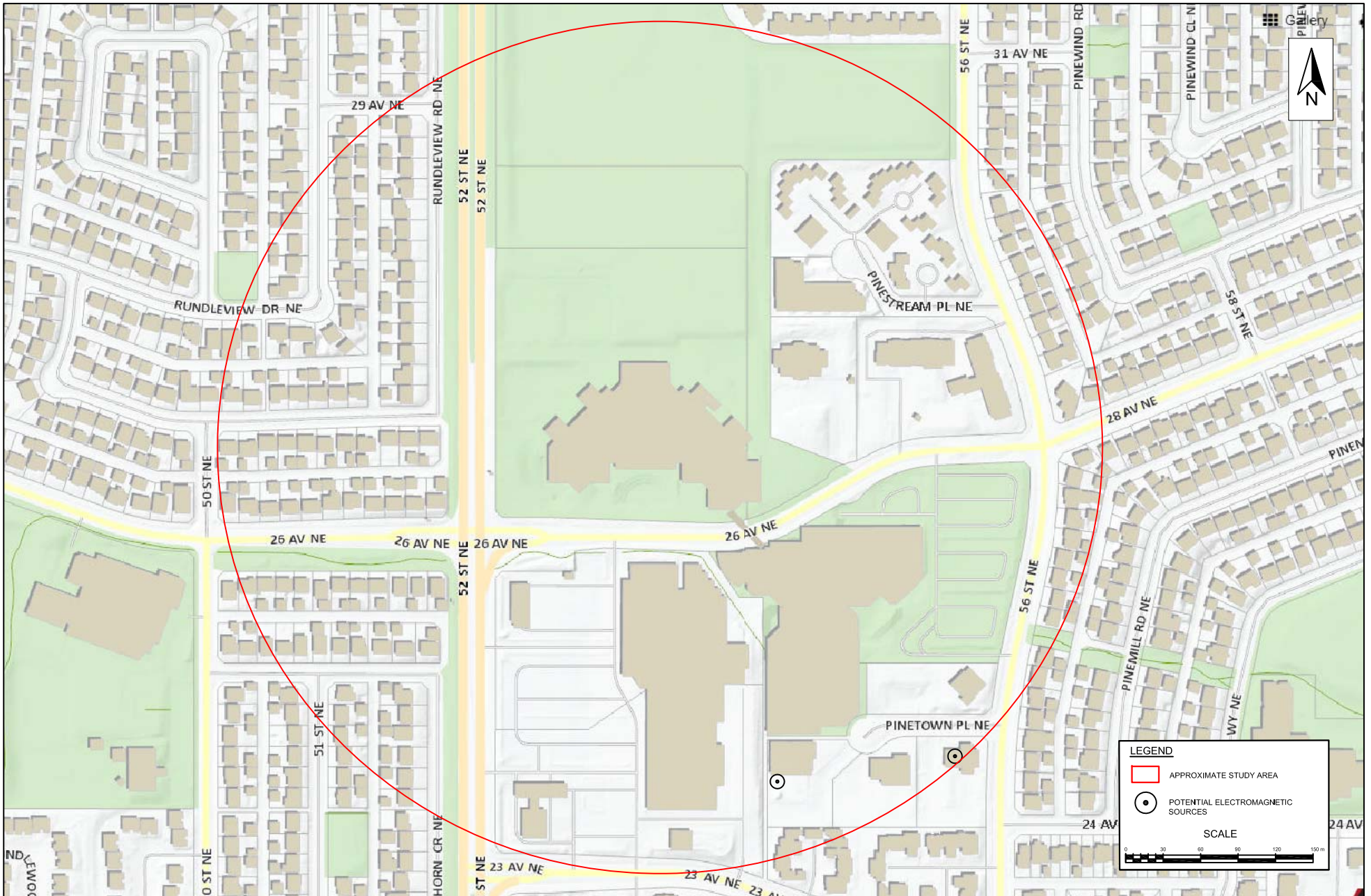
Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
LBP1	Threatre Backstage	1.3 - 2.2	SA	13:11	ON	0.0490	0.2450	0.3675	0.0244
			Max			0.4139	2.0695	3.1043	0.2061
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:59	OFF	0.0711	0.3555	0.5333	0.0354
			Max			0.4844	2.4220	3.6330	0.2412
			Min			0.0000	0.0000	0.0000	0.0000
LBP2	Facilities Lounge	0.8 - 1.7	SA	11:48	ON	0.0838	0.4190	0.6285	0.0417
			Max			0.4139	2.0695	3.1043	0.2061
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:31	OFF	0.0363	0.1815	0.2723	0.0181
			Max			0.1967	0.9835	1.4753	0.0980
			Min			0.0000	0.0000	0.0000	0.0000
LBP3	Main Office	0.8 - 1.7	SA	11:39	ON	0.0862	0.4310	0.6465	0.0429
			Max			0.3368	1.6840	2.5260	0.1677
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:04	OFF	0.0520	0.2600	0.3900	0.0259
			Max			0.3488	1.7440	2.6160	0.1737
			Min			0.0000	0.0000	0.0000	0.0000
LBP4	Hallway in Main Office	0.8 - 1.7	SA	11:30	ON	0.0634	0.3170	0.4755	0.0316
			Max			0.2960	1.4800	2.2200	0.1474
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:56	OFF	0.0606	0.3030	0.4545	0.0302
			Max			0.3488	1.7440	2.6160	0.1737
			Min			0.0000	0.0000	0.0000	0.0000
LBP6	Student Services Office	0.3 - 1.2	SA	12:58	ON	0.1120	0.5600	0.8400	0.0558
			Max			0.4139	2.0695	3.1043	0.2061
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:47	OFF	0.1289	0.6445	0.9668	0.0642
			Max			0.3488	1.7440	2.6160	0.1737
			Min			0.0000	0.0000	0.0000	0.0000
LBP7	Room 1110	1.8 - 2.7	SA	11:57	ON	0.0610	0.3050	0.4575	0.0304
			Max			0.4139	2.0695	3.1043	0.2061
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:39	OFF	0.0956	0.4780	0.7170	0.0476
			Max			0.3322	1.6610	2.4915	0.1654
			Min			0.0000	0.0000	0.0000	0.0000
LBP8	Room 1182	0.8 - 1.7	SA	12:48	ON	0.0642	0.3210	0.4815	0.0320
			Max			0.4139	2.0695	3.1043	0.2061
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:38	OFF	0.0756	0.3780	0.5670	0.0376
			Max			0.3465	1.7325	2.5988	0.1726
			Min			0.0000	0.0000	0.0000	0.0000
LBP9	Gym	0.8 - 1.7	SA	12:39	ON	0.0331	0.1655	0.2483	0.0165
			Max			0.4139	2.0695	3.1043	0.2061
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:29	OFF	0.0703	0.3515	0.5273	0.0350
			Max			0.2916	1.4580	2.1870	0.1452
			Min			0.0000	0.0000	0.0000	0.0000
LBP10	Hallway by Room 1210	0.5 - 1.4	SA	12:29	ON	0.0174	0.0870	0.1305	0.0087
			Max			0.4139	2.0695	3.1043	0.2061
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:19	OFF	0.0492	0.2460	0.3690	0.0245
			Max			0.2599	1.2995	1.9493	0.1294
			Min			0.0000	0.0000	0.0000	0.0000
LBP11	Library	0.3 - 1.2	SA	12:19	ON	0.0127	0.0635	0.0953	0.0063
			Max			0.4139	2.0695	3.1043	0.2061
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:10	OFF	0.0370	0.1850	0.2775	0.0184
			Max			0.4844	2.4220	3.6330	0.2412
			Min			0.0000	0.0000	0.0000	0.0000
LBP12	Room 1126	0.8 - 1.7	SA	12:07	ON	0.0843	0.4215	0.6323	0.0420
			Max			0.4139	2.0695	3.1043	0.2061
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:48	OFF	0.1339	0.6695	1.0043	0.0667
			Max			0.3984	1.9920	2.9880	0.1984
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum

Table 11: Field Measurements
Lester B. Pearson High School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
LBP13	Room 2111	1.3 - 2.2	SA	13:25	ON	0.0517	0.2585	0.3878	0.0257
			Max			0.4139	2.0695	3.1043	0.2061
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:45	OFF	0.1162	0.5810	0.8715	0.0579
			Max			0.4115	2.0575	3.0863	0.2049
			Min			0.0000	0.0000	0.0000	0.0000
LBP14	Room 2118	1.3 - 2.2	SA	14:17	ON	0.0396	0.1980	0.2970	0.0197
			Max			0.3249	1.6245	2.4368	0.1618
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:35	OFF	0.0429	0.2145	0.3218	0.0214
			Max			0.3826	1.9130	2.8695	0.1905
			Min			0.0000	0.0000	0.0000	0.0000
LBP15	Room 2122	0.8 - 1.7	SA	13:36	ON	0.1370	0.6850	1.0275	0.0682
			Max			0.4139	2.0695	3.1043	0.2061
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:26	OFF	0.1369	0.6845	1.0268	0.0682
			Max			0.3826	1.9130	2.8695	0.1905
			Min			0.0000	0.0000	0.0000	0.0000
LBP16	Room 2137	0.8 - 1.7	SA	13:45	ON	0.0953	0.4765	0.7148	0.0475
			Max			0.4139	2.0695	3.1043	0.2061
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:17	OFF	0.1531	0.7655	1.1483	0.0762
			Max			0.4332	2.1660	3.2490	0.2157
			Min			0.0000	0.0000	0.0000	0.0000
LBP17	Room 2172	1.3 - 2.2	SA	13:56	ON	0.0979	0.4895	0.7343	0.0488
			Max			0.4139	2.0695	3.1043	0.2061
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:56	OFF	0.1190	0.5950	0.8925	0.0593
			Max			0.4115	2.0575	3.0863	0.2049
			Min			0.0000	0.0000	0.0000	0.0000
LBP18	Room 2185	1.3 - 2.2	SA	14:06	ON	0.1151	0.5755	0.8633	0.0573
			Max			0.3104	1.5520	2.3280	0.1546
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:05	OFF	0.0546	0.2730	0.4095	0.0272
			Max			0.4482	2.2410	3.3615	0.2232
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum



Scale: AS SHOWN
 Project No.: G2S14600B
 Date: MAY 2018
 Drawn by: EN/GB
 File name: CBE.DWG

**LESTER B. PEARSON HIGH SCHOOL
 ADDITIONAL (NOT WIFI) ELECTROMAGNETIC SOURCES**

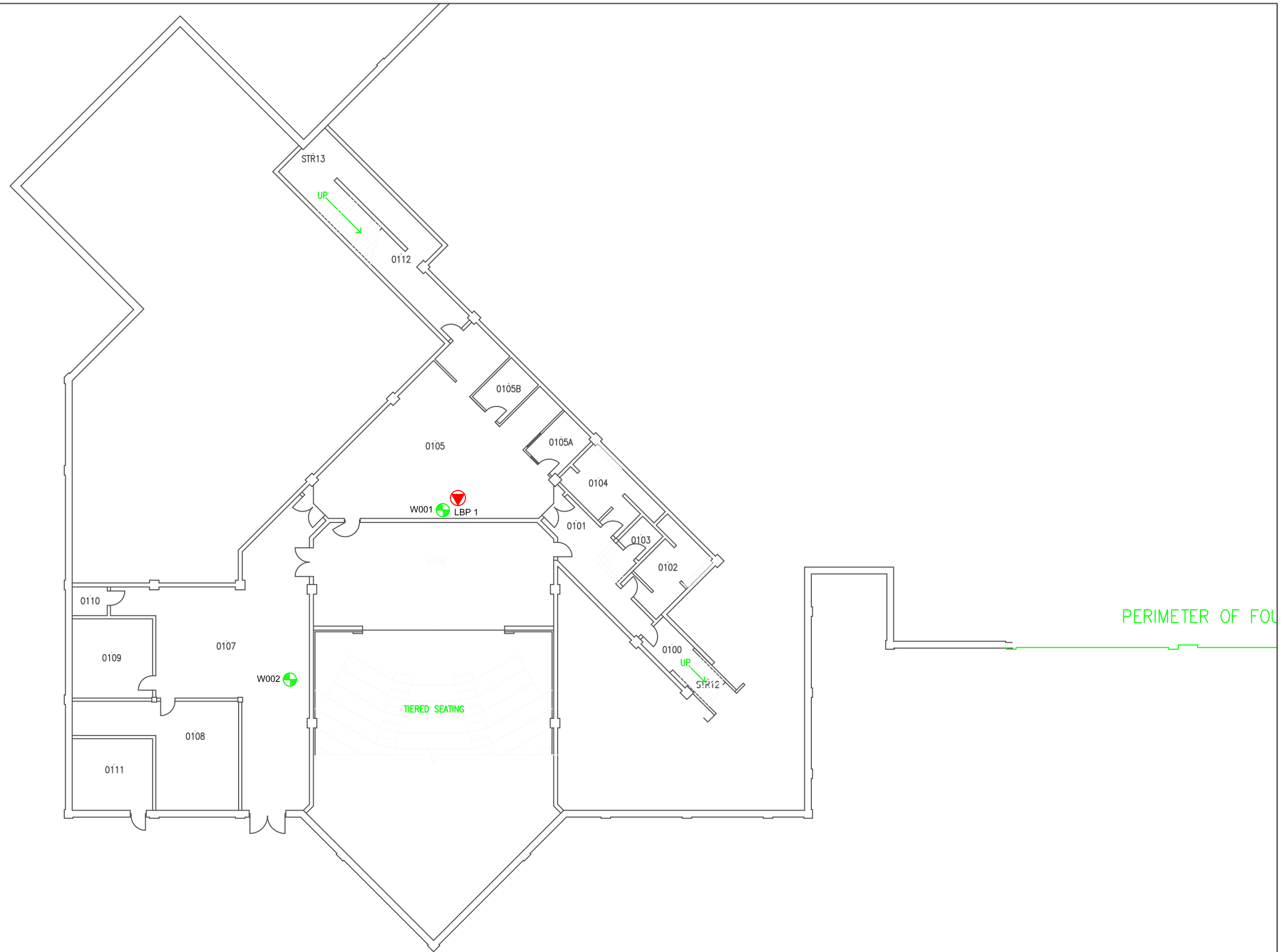
CALGARY

ONTARIO





Drawing No.

B11



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg



LESTER B. PEARSON HIGH - LOWER FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



Drawing No.
B11-1



LEGEND

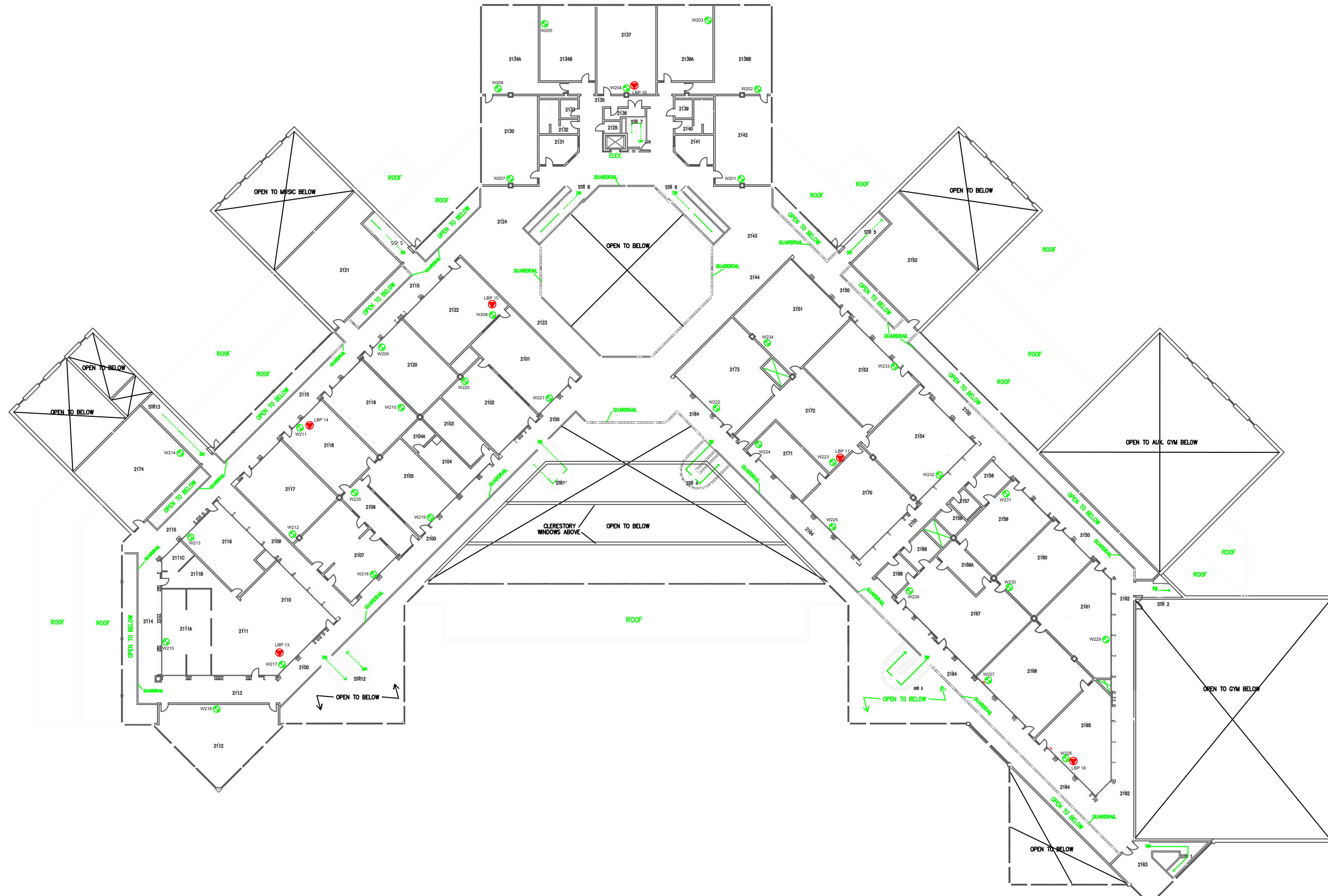
-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg



LESTER B. PEARSON HIGH - MAIN FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



Drawing No.
B11-2



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

LESTER B. PEARSON HIGH - SECOND FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



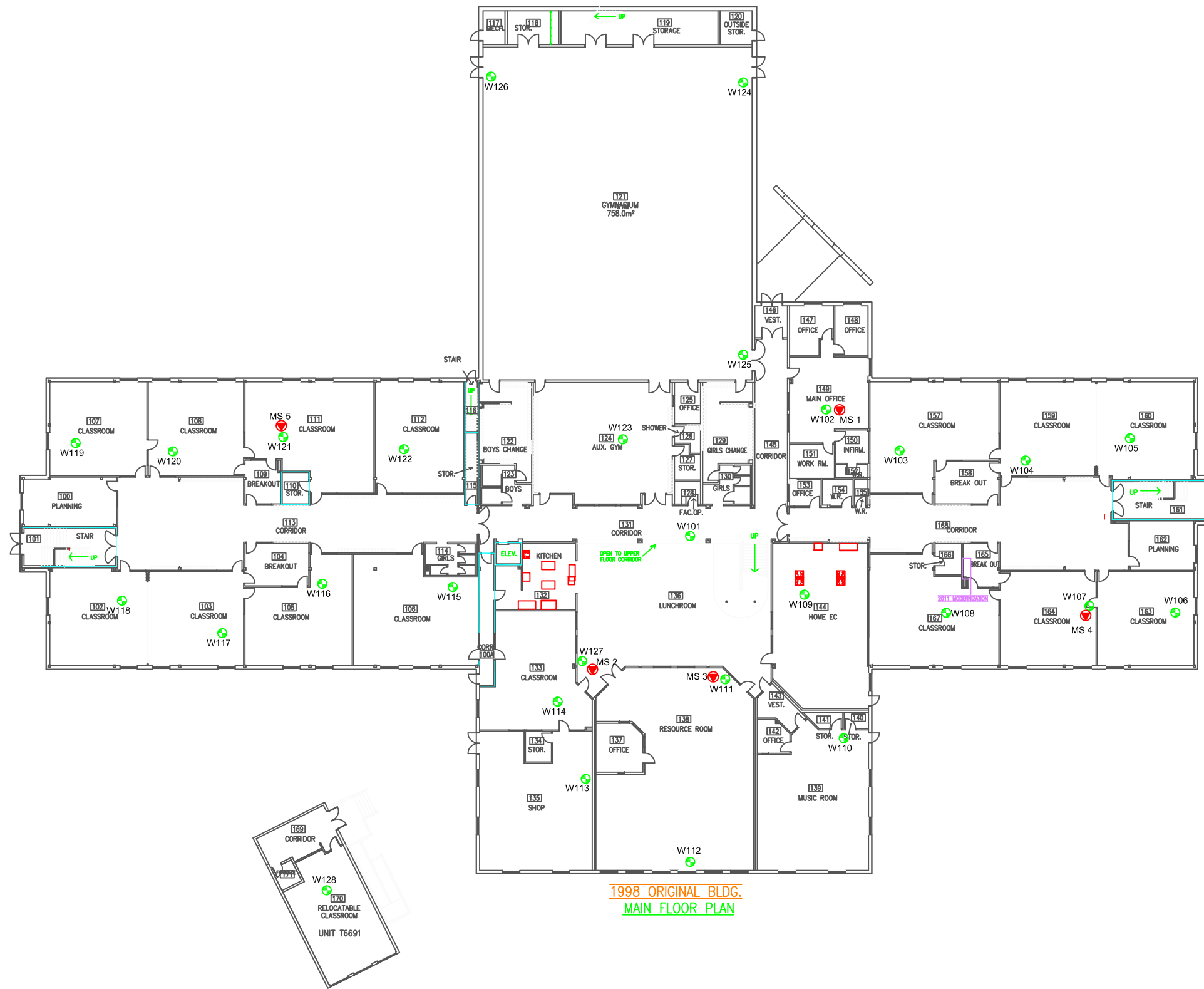
Drawing No.
B11-3

**Attachment B12
Midsun School**

Table 12: Field Measurements
Midsun School



Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
MS1	Main Office	1.3 - 2.2	SA	10:10	ON	0.1076	0.5380	0.8070	0.0536
			Max			0.4899	2.4495	3.6743	0.2440
			Min			0.0000	0.0000	0.0000	0.0000
			SA	13:33	OFF	0.0200	0.1000	0.1500	0.0100
			Max			0.4259	2.1295	3.1943	0.2121
			Min			0.0000	0.0000	0.0000	0.0000
MS2	Foyer by Room 133	0.8 - 1.7	SA	9:53	ON	0.0587	0.2935	0.4403	0.0292
			Max			0.4899	2.4495	3.6743	0.2440
			Min			0.0000	0.0000	0.0000	0.0000
			SA	13:15	OFF	0.1539	0.7695	1.1543	0.0766
			Max			0.4259	2.1295	3.1943	0.2121
			Min			0.0000	0.0000	0.0000	0.0000
MS3	Library	1.8 - 2.7	SA	10:01	ON	0.1125	0.5625	0.8438	0.0560
			Max			0.4899	2.4495	3.6743	0.2440
			Min			0.0000	0.0000	0.0000	0.0000
			SA	13:23	OFF	0.0195	0.0975	0.1463	0.0097
			Max			0.4259	2.1295	3.1943	0.2121
			Min			0.0000	0.0000	0.0000	0.0000
MS4	Room 164	1.3 - 2.2	SA	10:20	ON	0.1348	0.6740	1.0110	0.0671
			Max			0.4899	2.4495	3.6743	0.2440
			Min			0.0000	0.0000	0.0000	0.0000
			SA	13:41	OFF	0.0560	0.2800	0.4200	0.0279
			Max			0.4259	2.1295	3.1943	0.2121
			Min			0.0000	0.0000	0.0000	0.0000
MS5	Room 111	1.3 - 2.2	SA	9:44	ON	0.2188	1.0940	1.6410	0.1090
			Max			0.4706	2.3530	3.5295	0.2344
			Min			0.0000	0.0000	0.0000	0.0000
			SA	13:06	OFF	0.1099	0.5495	0.8243	0.0547
			Max			0.3877	1.9385	2.9078	0.1931
			Min			0.0000	0.0000	0.0000	0.0000
MS6	Portable T7433	0.8 - 1.7	SA	9:33	ON	0.0574	0.2870	0.4305	0.0286
			Max			0.3599	1.7995	2.6993	0.1792
			Min			0.0000	0.0000	0.0000	0.0000
			SA	12:56	OFF	0.0356	0.1780	0.2670	0.0177
			Max			0.3327	1.6635	2.4953	0.1657
			Min			0.0000	0.0000	0.0000	0.0000
MS7	Room 203	1.3 - 2.2	SA	11:21	ON	0.0934	0.4670	0.7005	0.0465
			Max			0.4899	2.4495	3.6743	0.2440
			Min			0.0000	0.0000	0.0000	0.0000
			SA	14:28	OFF	0.1254	0.6270	0.9405	0.0624
			Max			0.4637	2.3185	3.4778	0.2309
			Min			0.0000	0.0000	0.0000	0.0000
MS8	Staff Room	1.3 - 2.2	SA	10:59	ON	0.0927	0.4635	0.6953	0.0462
			Max			0.4899	2.4495	3.6743	0.2440
			Min			0.0000	0.0000	0.0000	0.0000
			SA	14:10	OFF	0.0706	0.3530	0.5295	0.0352
			Max			0.4637	2.3185	3.4778	0.2309
			Min			0.0000	0.0000	0.0000	0.0000
MS9	Room 214	1.3 - 2.2	SA	10:49	ON	0.1705	0.8525	1.2788	0.0849
			Max			0.4899	2.4495	3.6743	0.2440
			Min			0.0000	0.0000	0.0000	0.0000
			SA	14:01	OFF	0.0739	0.3695	0.5543	0.0368
			Max			0.4637	2.3185	3.4778	0.2309
			Min			0.0000	0.0000	0.0000	0.0000
MS10	Room 240	1.3 - 2.2	SA	11:08	ON	0.0887	0.4435	0.6653	0.0442
			Max			0.4899	2.4495	3.6743	0.2440
			Min			0.0000	0.0000	0.0000	0.0000
			SA	14:19	OFF	0.0548	0.2740	0.4110	0.0273
			Max			0.4637	2.3185	3.4778	0.2309
			Min			0.0000	0.0000	0.0000	0.0000
MS11	Room 228	1.3 - 2.2	SA	10:38	ON	0.1020	0.5100	0.7650	0.0508
			Max			0.4899	2.4495	3.6743	0.2440
			Min			0.0000	0.0000	0.0000	0.0000
			SA	14:38	OFF	0.0508	0.2540	0.3810	0.0253
			Max			0.4771	2.3855	3.5783	0.2376
			Min			0.0000	0.0000	0.0000	0.0000
MS12	Room 222	1.3 - 2.2	SA	10:30	ON	0.1082	0.5410	0.8115	0.0539
			Max			0.4899	2.4495	3.6743	0.2440
			Min			0.0000	0.0000	0.0000	0.0000
			SA	13:51	OFF	0.1430	0.7150	1.0725	0.0712
			Max			0.4637	2.3185	3.4778	0.2309
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
SA = Spatial Average
Max = Maximum
Min = Minimum



1998 ORIGINAL BLDG.
MAIN FLOOR PLAN

LEGEND

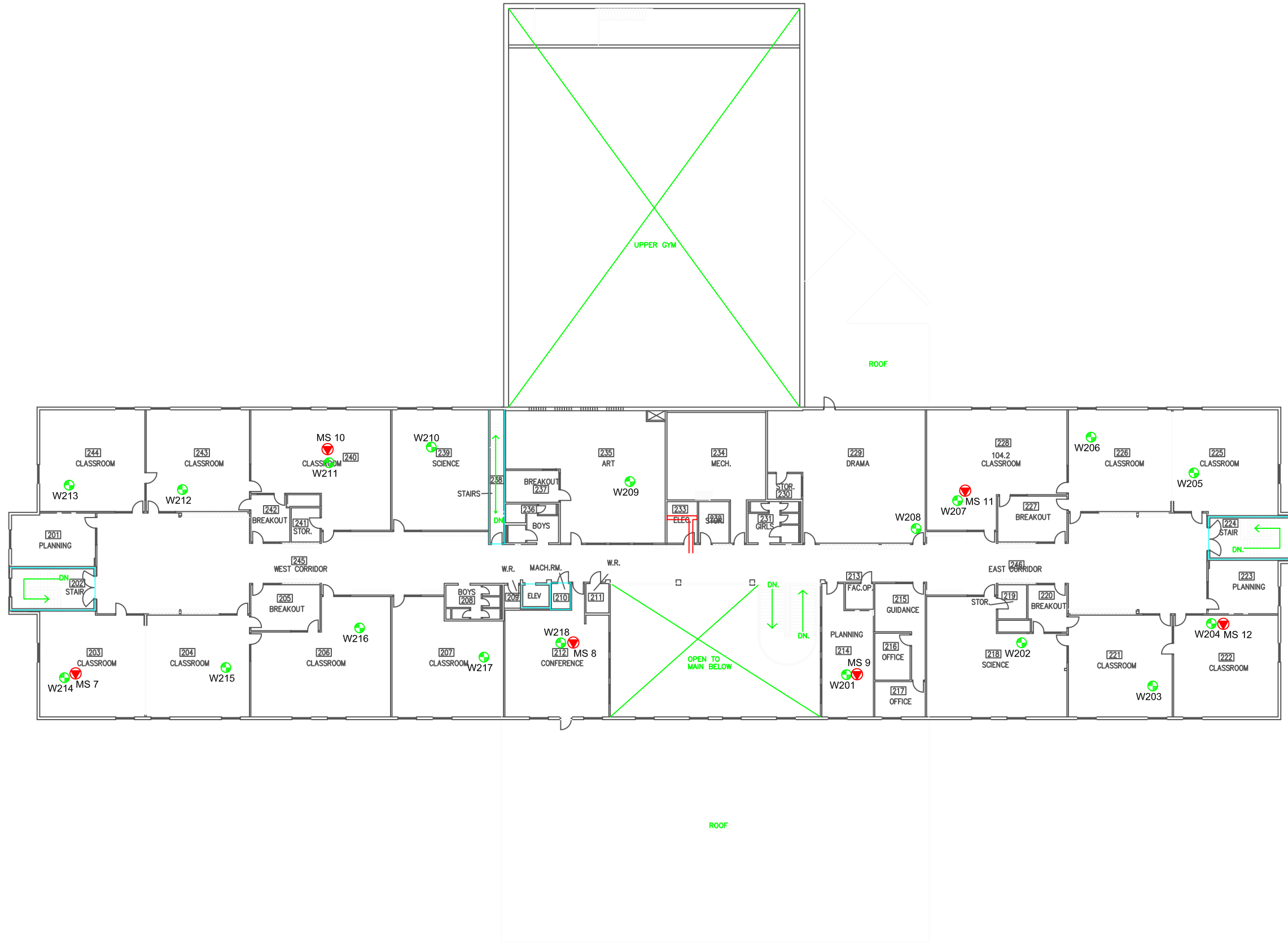
-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

MIDSUN SCHOOL - MAIN FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA





Drawing No.
B12-1



1998 ORIGINAL BLDG.
SECOND FLOOR PLAN

LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

MIDSUN SCHOOL - SECOND FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



Drawing No.
B12-2

**Attachment B13
Monterey Park School**



Table 13: Field Measurements
Monterey Park School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
MP1	Main Office	1.3 - 2.2	SA	11:17	ON	0.0193	0.0965	0.1448	0.0096
			Max			0.5360	2.6800	4.0200	0.2669
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:28	OFF	0.0953	0.4765	0.7148	0.0475
			Max			0.5098	2.5490	3.8235	0.2539
			Min			0.0000	0.0000	0.0000	0.0000
MP2	Hallway in the Main Office	1.3 - 2.2	SA	11:26	ON	0.0160	0.0800	0.1200	0.0080
			Max			0.5360	2.6800	4.0200	0.2669
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:46	OFF	0.0726	0.3630	0.5445	0.0362
			Max			0.3610	1.8050	2.7075	0.1798
			Min			0.0000	0.0000	0.0000	0.0000
MP3	Room 153	1.3 - 2.2	SA	11:07	ON	0.0960	0.4800	0.7200	0.0478
			Max			0.5360	2.6800	4.0200	0.2669
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:36	OFF	0.0456	0.2280	0.3420	0.0227
			Max			0.5098	2.5490	3.8235	0.2539
			Min			0.0000	0.0000	0.0000	0.0000
MP4	Hallway by Room 173	0.8 - 1.7	SA	10:37	ON	0.0565	0.2825	0.4238	0.0281
			Max			0.5360	2.6800	4.0200	0.2669
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:02	OFF	0.0160	0.0800	0.1200	0.0080
			Max			0.5098	2.5490	3.8235	0.2539
			Min			0.0000	0.0000	0.0000	0.0000
MP5	Gym	1.3 - 2.2	SA	10:16	ON	0.1506	0.7530	1.1295	0.0750
			Max			0.5300	2.6500	3.9750	0.2639
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:54	OFF	0.1009	0.5045	0.7568	0.0502
			Max			0.5098	2.5490	3.8235	0.2539
			Min			0.0000	0.0000	0.0000	0.0000
MP6	Room 0402	1.3 - 2.2	SA	10:27	ON	0.1433	0.7165	1.0748	0.0714
			Max			0.5360	2.6800	4.0200	0.2669
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:58	OFF	0.1466	0.7330	1.0995	0.0730
			Max			0.5098	2.5490	3.8235	0.2539
			Min			0.0000	0.0000	0.0000	0.0000
MP7	Staff Room	1.8 - 2.7	SA	9:34	ON	0.0949	0.4745	0.7118	0.0473
			Max			0.5360	2.6800	4.0200	0.2669
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:16	OFF	0.0551	0.2755	0.4133	0.0274
			Max			0.5098	2.5490	3.8235	0.2539
			Min			0.0000	0.0000	0.0000	0.0000
MP8	Library	1.8 - 2.7	SA	9:23	ON	0.2066	1.0330	1.5495	0.1029
			Max			0.4327	2.1635	3.2453	0.2155
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:07	OFF	0.0856	0.4280	0.6420	0.0426
			Max			0.5098	2.5490	3.8235	0.2539
			Min			0.0000	0.0000	0.0000	0.0000
MP9	Room 77A7	0.8 - 1.7	SA	9:44	ON	0.0454	0.2270	0.3405	0.0226
			Max			0.5360	2.6800	4.0200	0.2669
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:24	OFF	0.0806	0.4030	0.6045	0.0401
			Max			0.5098	2.5490	3.8235	0.2539
			Min			0.0000	0.0000	0.0000	0.0000
MP10	Room B3C2	0.8 - 1.7	SA	10:05	ON	0.0635	0.3175	0.4763	0.0316
			Max			0.5360	2.6800	4.0200	0.2669
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:40	OFF	0.0139	0.0695	0.1043	0.0069
			Max			0.5098	2.5490	3.8235	0.2539
			Min			0.0000	0.0000	0.0000	0.0000
MP11	Room 79J4	1.3 - 2.2	SA	9:55	ON	0.0271	0.1355	0.2033	0.0135
			Max			0.5360	2.6800	4.0200	0.2669
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:44	OFF	0.1260	0.6300	0.9450	0.0627
			Max			0.5098	2.5490	3.8235	0.2539
			Min			0.0000	0.0000	0.0000	0.0000
MP12	Room 181	1.3 - 2.2	SA	10:57	ON	0.1256	0.6280	0.9420	0.0625
			Max			0.5360	2.6800	4.0200	0.2669
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:20	OFF	0.0536	0.2680	0.4020	0.0267
			Max			0.5098	2.5490	3.8235	0.2539
			Min			0.0000	0.0000	0.0000	0.0000
MP13	Music Classroom	1.3 - 2.2	SA	10:47	ON	0.0463	0.2315	0.3473	0.0231
			Max			0.5360	2.6800	4.0200	0.2669
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:11	OFF	0.0154	0.0770	0.1155	0.0077
			Max			0.5098	2.5490	3.8235	0.2539
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
SA = Spatial Average
Max = Maximum
Min = Minimum



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
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 File name: CBE.dwg

MONTEREY PARK - MAIN FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING

CALGARY

ALBERTA



Drawing No.
B13-1

**Attachment B14
Mountain Park School**



Table 14: Field Measurements
Mountain Park School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
MPS1	Room 06A7	1.3 - 2.2	SA	10:49	ON	0.0628	0.3140	0.4710	0.0313
			Max			0.5199	2.5995	3.8993	0.2589
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:42	OFF	0.0364	0.1820	0.2730	0.0181
			Max			0.5126	2.5630	3.8445	0.2553
			Min			0.0000	0.0000	0.0000	0.0000
MPS2	Room 06A2	1.3 - 2.2	SA	10:40	ON	0.0957	0.4785	0.7178	0.0477
			Max			0.5199	2.5995	3.8993	0.2589
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:33	OFF	0.0425	0.2125	0.3188	0.0212
			Max			0.5126	2.5630	3.8445	0.2553
			Min			0.0000	0.0000	0.0000	0.0000
MPS3	Room 114	1.3 - 2.2	SA	10:30	ON	0.1234	0.6170	0.9255	0.0615
			Max			0.5199	2.5995	3.8993	0.2589
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:24	OFF	0.0837	0.4185	0.6278	0.0417
			Max			0.5126	2.5630	3.8445	0.2553
			Min			0.0000	0.0000	0.0000	0.0000
MPS4	Library	1.3 - 2.2	SA	10:21	ON	0.0780	0.3900	0.5850	0.0388
			Max			0.5199	2.5995	3.8993	0.2589
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:14	OFF	0.0353	0.1765	0.2648	0.0176
			Max			0.5126	2.5630	3.8445	0.2553
			Min			0.0000	0.0000	0.0000	0.0000
MPS5	Main Office	1.3 - 2.2	SA	9:33	ON	0.0431	0.2155	0.3233	0.0215
			Max			0.2382	1.1910	1.7865	0.1186
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:25	OFF	0.0858	0.4290	0.6435	0.0427
			Max			0.3356	1.6780	2.5170	0.1671
			Min			0.0000	0.0000	0.0000	0.0000
MPS6	Foyer / Area 140	1.3 - 2.2	SA	9:43	ON	0.1657	0.8285	1.2428	0.0825
			Max			0.5193	2.5965	3.8948	0.2586
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:35	OFF	0.0464	0.2320	0.3480	0.0231
			Max			0.3927	1.9635	2.9453	0.1956
			Min			0.0000	0.0000	0.0000	0.0000
MPS7	Room 162	1.3 - 2.2	SA	9:53	ON	0.0582	0.2910	0.4365	0.0290
			Max			0.5199	2.5995	3.8993	0.2589
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:45	OFF	0.0219	0.1095	0.1643	0.0109
			Max			0.5126	2.5630	3.8445	0.2553
			Min			0.0000	0.0000	0.0000	0.0000
MPS8	Room 06A11	1.3 - 2.2	SA	10:02	ON	0.0363	0.1815	0.2723	0.0181
			Max			0.5199	2.5995	3.8993	0.2589
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:54	OFF	0.0269	0.1345	0.2018	0.0134
			Max			0.5126	2.5630	3.8445	0.2553
			Min			0.0000	0.0000	0.0000	0.0000
MPS9	Room 06A19	1.3 - 2.2	SA	10:11	ON	0.1791	0.8955	1.3433	0.0892
			Max			0.5199	2.5995	3.8993	0.2589
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:02	OFF	0.0151	0.0755	0.1133	0.0075
			Max			0.5126	2.5630	3.8445	0.2553
			Min			0.0000	0.0000	0.0000	0.0000
MPS10	Room 213	1.3 - 2.2	SA	11:00	ON	0.1500	0.7500	1.1250	0.0747
			Max			0.5199	2.5995	3.8993	0.2589
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:53	OFF	0.0390	0.1950	0.2925	0.0194
			Max			0.5126	2.5630	3.8445	0.2553
			Min			0.0000	0.0000	0.0000	0.0000
MPS11	Room 208	1.3 - 2.2	SA	11:08	ON	0.0755	0.3775	0.5663	0.0376
			Max			0.5199	2.5995	3.8993	0.2589
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:13	OFF	0.0834	0.4170	0.6255	0.0415
			Max			0.5211	2.6055	3.9083	0.2595
			Min			0.0000	0.0000	0.0000	0.0000
MPS12	Fitness Room	0.5 - 1.4	SA	11:18	ON	0.0647	0.3235	0.4853	0.0322
			Max			0.5199	2.5995	3.8993	0.2589
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:03	OFF	0.0628	0.3140	0.4710	0.0313
			Max			0.5128	2.5640	3.8460	0.2554
			Min			0.0000	0.0000	0.0000	0.0000
MPS13	Room 230	1.3 - 2.2	SA	11:27	ON	0.0640	0.3200	0.4800	0.0319
			Max			0.5199	2.5995	3.8993	0.2589
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:23	OFF	0.0276	0.1380	0.2070	0.0137
			Max			0.5211	2.6055	3.9083	0.2595
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
SA = Spatial Average
Max = Maximum
Min = Minimum



LEGEND

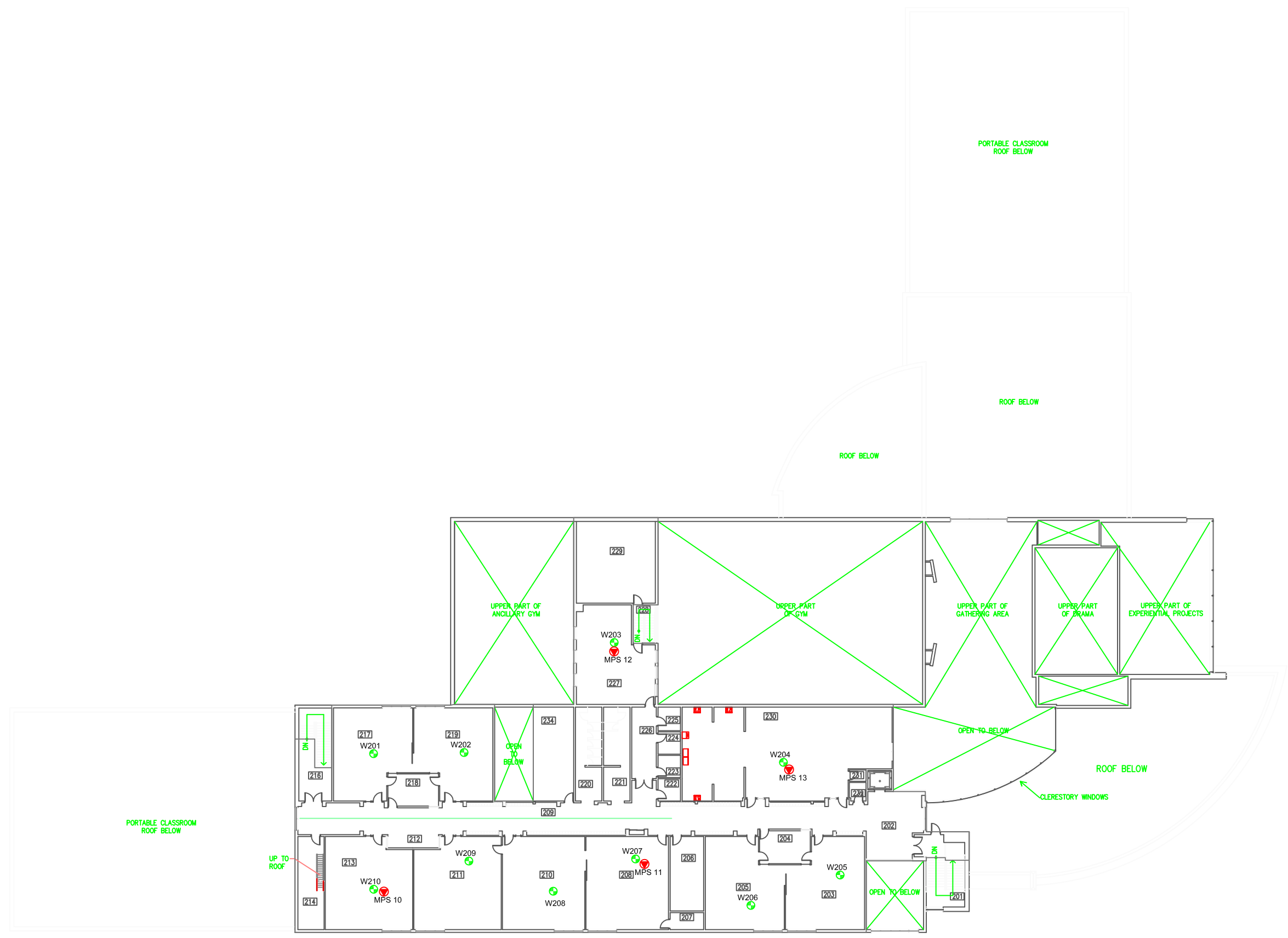
-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg



MOUNTAIN PARK SCHOOL - MAIN FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



Drawing No.
B14-1



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

MOUNTAIN PARK SCHOOL - SECOND FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



Drawing No.
B14-2

**Attachment B15
Mount View School**



Table 15: Field Measurements
Mount View School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
MV1	Staff Office	1.3 - 2.2	SA	14:34	ON	0.1235	0.6175	0.9263	0.0615
			Max			0.6281	3.1405	4.7108	0.3128
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:15	OFF	0.0889	0.4445	0.6668	0.0443
			Max			0.5053	2.5265	3.7898	0.2516
			Min			0.0000	0.0000	0.0000	0.0000
MV2	Board Room	0.8 - 1.7	SA	14:44	ON	0.1575	0.7875	1.1813	0.0784
			Max			0.6281	3.1405	4.7108	0.3128
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:54	OFF	0.2177	1.0885	1.6328	0.1084
			Max			0.5053	2.5265	3.7898	0.2516
			Min			0.0000	0.0000	0.0000	0.0000
MV3	CBE Area Office	1.3 - 2.2	SA	14:53	ON	0.1136	0.5680	0.8520	0.0566
			Max			0.6281	3.1405	4.7108	0.3128
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:02	OFF	0.1255	0.6275	0.9413	0.0625
			Max			0.5053	2.5265	3.7898	0.2516
			Min			0.0000	0.0000	0.0000	0.0000
MV4	Hallway by Room 140	1.3 - 2.2	SA	14:15	ON	0.2090	1.0450	1.5675	0.1041
			Max			0.6281	3.1405	4.7108	0.3128
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:34	OFF	0.0577	0.2885	0.4328	0.0287
			Max			1.1740	5.8700	8.8050	0.5847
			Min			0.0000	0.0000	0.0000	0.0000
MV5	Room 145	0.8 - 1.7	SA	14:24	ON	0.0922	0.4610	0.6915	0.0459
			Max			0.6281	3.1405	4.7108	0.3128
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:43	OFF	0.0837	0.4185	0.6278	0.0417
			Max			0.4043	2.0215	3.0323	0.2013
			Min			0.0000	0.0000	0.0000	0.0000
MV6	Room 102	1.3 - 2.2	SA	14:05	ON	0.0568	0.2840	0.4260	0.0283
			Max			1.1320	5.6600	8.4900	0.5637
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:26	OFF	0.0345	0.1725	0.2588	0.0172
			Max			1.1780	5.8900	8.8350	0.5866
			Min			0.0000	0.0000	0.0000	0.0000
MV7	Room104	1.3 - 2.2	SA	12:57	ON	0.0859	0.4295	0.6443	0.0428
			Max			0.3175	1.5875	2.3813	0.1581
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:47	OFF	0.1603	0.8015	1.2023	0.0798
			Max			0.3977	1.9885	2.9828	0.1981
			Min			0.0000	0.0000	0.0000	0.0000
MV8	Room 117	0.8 - 1.7	SA	13:35	ON	0.1654	0.8270	1.2405	0.0824
			Max			0.5322	2.6610	3.9915	0.2650
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:58	OFF	0.1094	0.5470	0.8205	0.0545
			Max			0.3977	1.9885	2.9828	0.1981
			Min			0.0000	0.0000	0.0000	0.0000
MV9	Room 123	1.8 - 2.9	SA	13:45	ON	0.3863	1.9315	2.8973	0.1924
			Max			1.1050	5.5250	8.2875	0.5503
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:07	OFF	0.5062	2.5310	3.7965	0.2521
			Max			1.1740	5.8700	8.8050	0.5847
			Min			0.0000	0.0000	0.0000	0.0000
MV10	Room 130	1.3 - 2.2	SA	13:55	ON	0.1231	0.6155	0.9233	0.0613
			Max			1.1320	5.6600	8.4900	0.5637
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:16	OFF	0.1362	0.6810	1.0215	0.0678
			Max			1.1740	5.8700	8.8050	0.5847
			Min			0.0000	0.0000	0.0000	0.0000
MV11	Room 114	1.8 - 2.7	SA	13:07	ON	0.1272	0.6360	0.9540	0.0633
			Max			0.3767	1.8835	2.8253	0.1876
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:39	OFF	0.1661	0.8305	1.2458	0.0827
			Max			0.5345	2.6725	4.0088	0.2662
			Min			0.0000	0.0000	0.0000	0.0000
MV12	Room 111	1.8 - 2.7	SA	13:17	ON	0.1153	0.5765	0.8648	0.0574
			Max			0.5322	2.6610	3.9915	0.2650
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:22	OFF	0.0712	0.3560	0.5340	0.0355
			Max			0.3049	1.5245	2.2868	0.1518
			Min			0.0000	0.0000	0.0000	0.0000
MV13	Hallway by Room 111	N/A	SA	13:26	ON	0.1680	0.8400	1.2600	0.0837
			Max			0.5322	2.6610	3.9915	0.2650
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:30	OFF	0.1944	0.9720	1.4580	0.0968
			Max			0.5343	2.6715	4.0073	0.2661
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
SA = Spatial Average
Max = Maximum
Min = Minimum



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

MOUNT VIEW - MAIN FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



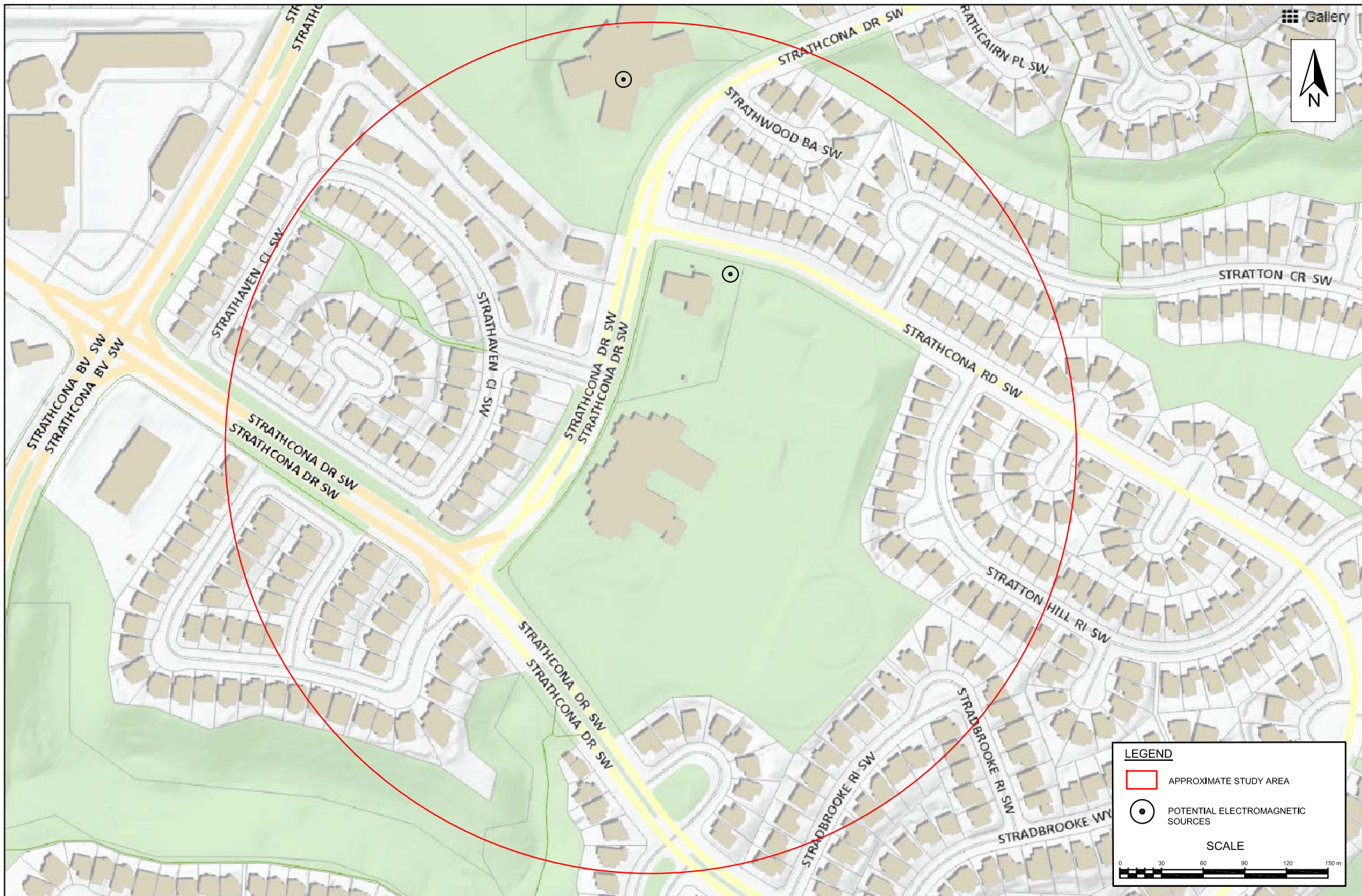
Drawing No.
B15-1

**Attachment B16
Olympic Heights School**

Table 16: Field Measurements
Olympic Heights School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
OH1	Main Office	1.3 - 2.2	SA	13:06	ON	0.0713	0.3565	0.5348	0.0355
			Max			0.5305	2.6525	3.9788	0.2642
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:54	OFF	0.0435	0.2175	0.3263	0.0217
			Max			0.3038	1.5190	2.2785	0.1513
			Min			0.0000	0.0000	0.0000	0.0000
OH2	Staff Room	1.3 - 2.2	SA	12:57	ON	0.1322	0.6610	0.9915	0.0658
			Max			0.5162	2.5810	3.8715	0.2571
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:22	OFF	0.0406	0.2030	0.3045	0.0202
			Max			0.2671	1.3355	2.0033	0.1330
			Min			0.0000	0.0000	0.0000	0.0000
OH3	Room 124	1.8 - 2.7	SA	14:19	ON	0.0057	0.0285	0.0428	0.0028
			Max			0.5305	2.6525	3.9788	0.2642
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:31	OFF	0.0831	0.4155	0.6233	0.0414
			Max			0.4692	2.3460	3.5190	0.2337
			Min			0.0000	0.0000	0.0000	0.0000
OH4	Foyer/ Area 177	0.8 - 1.7	SA	13:24	ON	0.0397	0.1985	0.2978	0.0198
			Max			0.5305	2.6525	3.9788	0.2642
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:39	OFF	0.0719	0.3595	0.5393	0.0358
			Max			0.4692	2.3460	3.5190	0.2337
			Min			0.0000	0.0000	0.0000	0.0000
OH5	Room 131	1.3 - 2.2	SA	13:34	ON	0.0260	0.1300	0.1950	0.0129
			Max			0.5305	2.6525	3.9788	0.2642
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:47	OFF	0.0579	0.2895	0.4343	0.0288
			Max			0.4692	2.3460	3.5190	0.2337
			Min			0.0000	0.0000	0.0000	0.0000
OH6	Room 160	1.3 - 2.2	SA	13:46	ON	0.0558	0.2790	0.4185	0.0278
			Max			0.5305	2.6525	3.9788	0.2642
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:17	OFF	0.0286	0.1430	0.2145	0.0142
			Max			0.2021	1.0105	1.5158	0.1006
			Min			0.0000	0.0000	0.0000	0.0000
OH7	Room 82E1	0.8 - 1.7	SA	14:06	ON	0.0467	0.2335	0.3503	0.0233
			Max			0.5305	2.6525	3.9788	0.2642
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:57	OFF	0.0646	0.3230	0.4845	0.0322
			Max			0.4692	2.3460	3.5190	0.2337
			Min			0.0000	0.0000	0.0000	0.0000
OH8	Room 91E11	1.3 - 2.2	SA	13:56	ON	0.0165	0.0825	0.1238	0.0082
			Max			0.5305	2.6525	3.9788	0.2642
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:07	OFF	0.0396	0.1980	0.2970	0.0197
			Max			0.4692	2.3460	3.5190	0.2337
			Min			0.0000	0.0000	0.0000	0.0000
OH9	Room 91E4	1.3 - 2.2	SA	14:38	ON	0.0692	0.3460	0.5190	0.0345
			Max			0.5303	2.6515	3.9773	0.2641
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:35	OFF	0.0366	0.1830	0.2745	0.0182
			Max			0.2288	1.1440	1.7160	0.1139
			Min			0.0000	0.0000	0.0000	0.0000
OH10	Hallway by Room 188	N/A	SA	14:28	ON	0.0240	0.1200	0.1800	0.0120
			Max			0.5305	2.6525	3.9788	0.2642
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:27	OFF	0.0071	0.0355	0.0533	0.0035
			Max			0.2288	1.1440	1.7160	0.1139
			Min			0.0000	0.0000	0.0000	0.0000
OH11	Gym	1.3 - 2.2	SA	13:15	ON	0.0802	0.4010	0.6015	0.0399
			Max			0.5305	2.6525	3.9788	0.2642
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:44	OFF	0.0543	0.2715	0.4073	0.0270
			Max			0.2815	1.4075	2.1113	0.1402
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
SA = Spatial Average
Max = Maximum
Min = Minimum



Gallery



LEGEND

- APPROXIMATE STUDY AREA
- POTENTIAL ELECTROMAGNETIC SOURCES

SCALE

Scale: AS SHOWN
 Project No.: G2S14600B
 Date: MAY 2018
 Drawn by: EN/GB
 File name: CBE.DWG

**OLYMPIC HEIGHTS SCHOOL
 ADDITIONAL (NOT WIFI) ELECTROMAGNETIC SOURCES**

CALGARY

ONTARIO





Drawing No.

B16



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

**OLYMPIC HEIGHTS - MAIN FLOOR
 ELECTROMAGNETIC RADIATION (EMR) TESTING**

CALGARY

ALBERTA



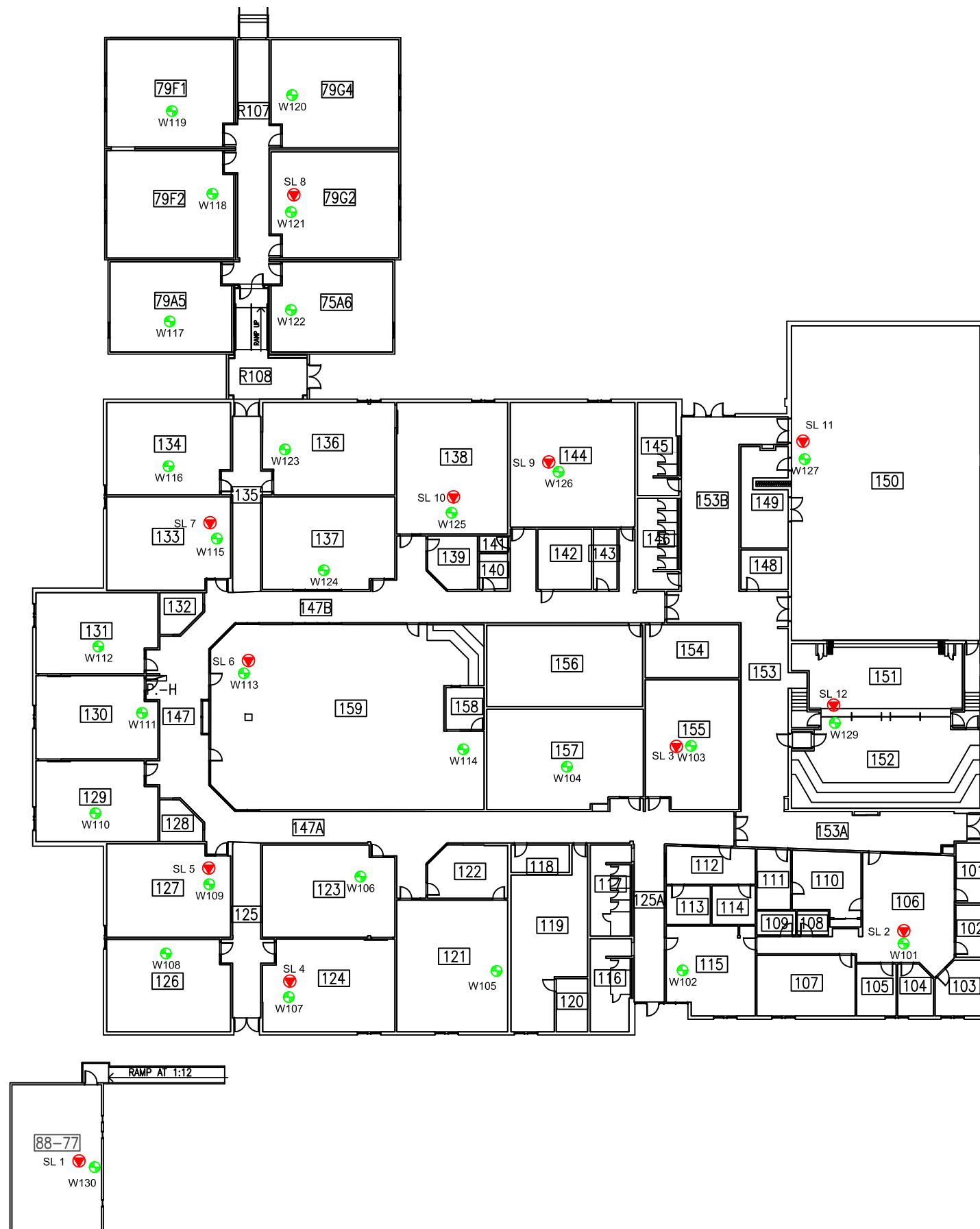
Drawing No.
B16-1

**Attachment B17
Sam Livingston School**



Table 17: Field Measurements
Sam Livingston School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
SL1	Portable 88- 77	0.3 - 1.2	SA	10:30	ON	0.1946	0.9730	1.4595	0.0969
			Max			0.4510	2.2550	3.3825	0.2246
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:29	OFF	0.1890	0.9450	1.4175	0.0941
			Max			0.5920	2.9600	4.4400	0.2948
			Min			0.0000	0.0000	0.0000	0.0000
SL2	Main Office	0.8 - 1.7	SA	9:06	ON	0.0574	0.2870	0.4305	0.0286
			Max			0.3072	1.5360	2.3040	0.1530
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:52	OFF	0.0179	0.0895	0.1343	0.0089
			Max			0.2488	1.2440	1.8660	0.1239
			Min			0.0000	0.0000	0.0000	0.0000
SL3	Room 155	1.3 - 2.2	SA	10:40	ON	0.1129	0.5645	0.8468	0.0562
			Max			0.4510	2.2550	3.3825	0.2246
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:41	OFF	0.1705	0.8525	1.2788	0.0849
			Max			0.5920	2.9600	4.4400	0.2948
			Min			0.0000	0.0000	0.0000	0.0000
SL4	Room 124	1.3 - 2.2	SA	10:20	ON	0.0684	0.3420	0.5130	0.0341
			Max			0.4099	2.0495	3.0743	0.2041
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:18	OFF	0.0566	0.2830	0.4245	0.0282
			Max			0.4895	2.4475	3.6713	0.2438
			Min			0.0000	0.0000	0.0000	0.0000
SL5	Room 127	1.3 - 2.2	SA	10:11	ON	0.0746	0.3730	0.5595	0.0372
			Max			0.4099	2.0495	3.0743	0.2041
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:08	OFF	0.0474	0.2370	0.3555	0.0236
			Max			0.4895	2.4475	3.6713	0.2438
			Min			0.0000	0.0000	0.0000	0.0000
SL6	Library	1.3 - 2.2	SA	10:02	ON	0.1244	0.6220	0.9330	0.0620
			Max			0.4099	2.0495	3.0743	0.2041
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:59	OFF	0.1446	0.7230	1.0845	0.0720
			Max			0.4895	2.4475	3.6713	0.2438
			Min			0.0000	0.0000	0.0000	0.0000
SL7	Room 133	1.3 - 2.2	SA	9:54	ON	0.0852	0.4260	0.6390	0.0424
			Max			0.4099	2.0495	3.0743	0.2041
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:50	OFF	0.0170	0.0850	0.1275	0.0085
			Max			0.4895	2.4475	3.6713	0.2438
			Min			0.0000	0.0000	0.0000	0.0000
SL8	Room 79G2	0.5 - 1.4	SA	9:45	ON	0.0823	0.4115	0.6173	0.0410
			Max			0.4099	2.0495	3.0743	0.2041
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:40	OFF	0.0627	0.3135	0.4703	0.0312
			Max			0.4895	2.4475	3.6713	0.2438
			Min			0.0000	0.0000	0.0000	0.0000
SL9	Room 144	1.3 - 2.2	SA	9:26	ON	0.0745	0.3725	0.5588	0.0371
			Max			0.4099	2.0495	3.0743	0.2041
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:21	OFF	0.0401	0.2005	0.3008	0.0200
			Max			0.4895	2.4475	3.6713	0.2438
			Min			0.0000	0.0000	0.0000	0.0000
SL10	Room 138	1.3 - 2.2	SA	9:36	ON	0.0900	0.4500	0.6750	0.0448
			Max			0.4099	2.0495	3.0743	0.2041
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:30	OFF	0.0191	0.0955	0.1433	0.0095
			Max			0.4895	2.4475	3.6713	0.2438
			Min			0.0000	0.0000	0.0000	0.0000
SL11	Gym	0.8 - 1.7	SA	9:17	ON	0.0353	0.1765	0.2648	0.0176
			Max			0.3772	1.8860	2.8290	0.1878
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:10	OFF	0.0883	0.4415	0.6623	0.0440
			Max			0.4895	2.4475	3.6713	0.2438
			Min			0.0000	0.0000	0.0000	0.0000
SL12	Room 152	1.3 - 2.2	SA	10:49	ON	0.1173	0.5865	0.8798	0.0584
			Max			0.4510	2.2550	3.3825	0.2246
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:01	OFF	0.0784	0.3920	0.5880	0.0390
			Max			0.4895	2.4475	3.6713	0.2438
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
SA = Spatial Average
Max = Maximum
Min = Minimum



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

SAM LIVINGSTON - MAIN FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



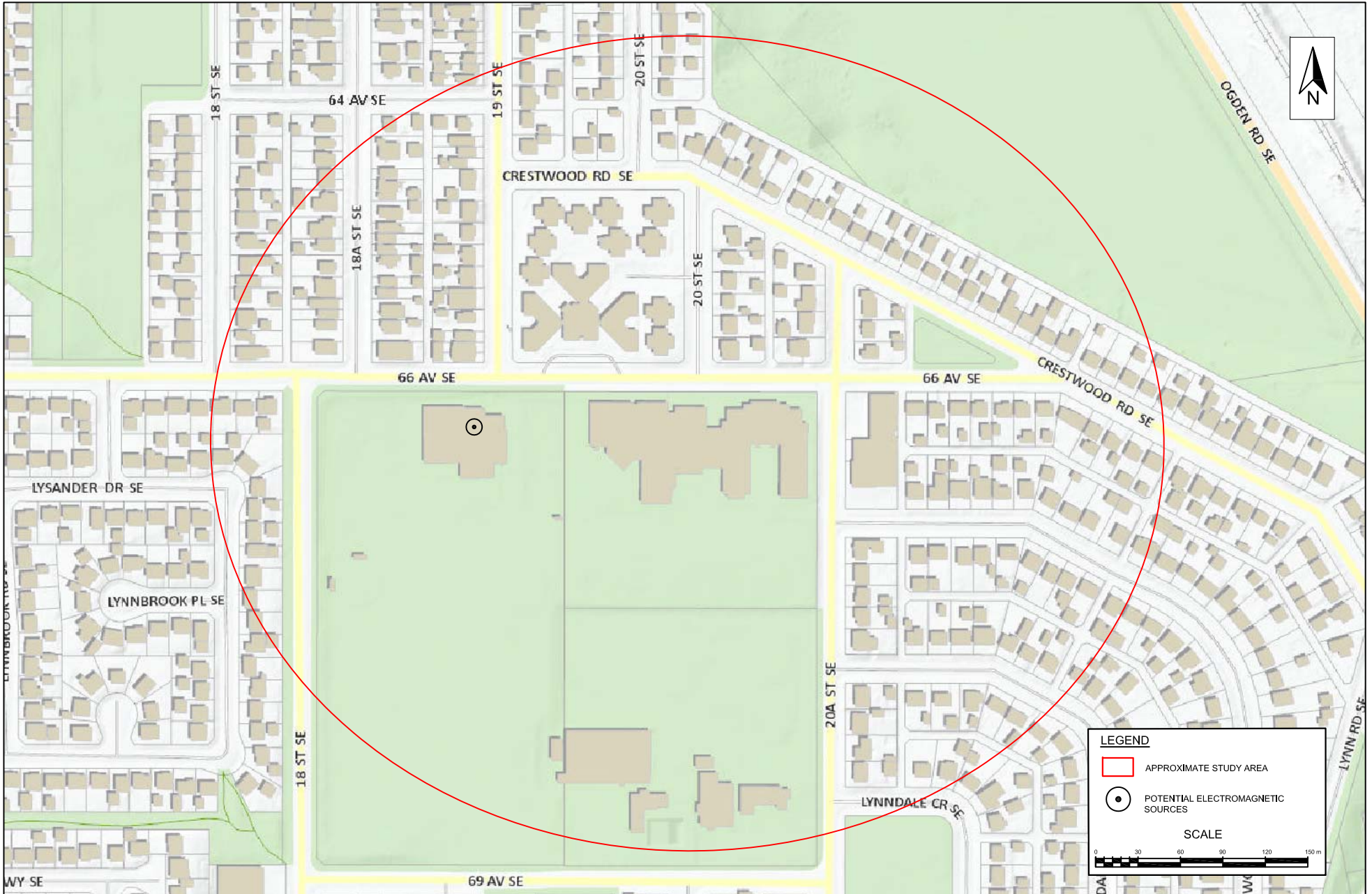
Drawing No.
B17-1

**Attachment B18
Sherwood School**

Table 18: Field Measurements
Sherwood School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
S1	Gym	1.3 - 2.2	SA	13:39	ON	0.0423	0.2115	0.3173	0.0211
			Max			0.5460	2.7300	4.0950	0.2719
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:42	OFF	0.0653	0.3265	0.4898	0.0325
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
S2	Hallway by Room 1076	0.5 - 1.4	SA	13:27	ON	0.0310	0.1550	0.2325	0.0154
			Max			0.5460	2.7300	4.0950	0.2719
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:33	OFF	0.0112	0.0560	0.0840	0.0056
			Max			0.2205	1.1025	1.6538	0.1098
			Min			0.0000	0.0000	0.0000	0.0000
S3	Main Office	0.8 - 1.7	SA	12:58	ON	0.0190	0.0950	0.1425	0.0095
			Max			0.1617	0.8085	1.2128	0.0805
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:25	OFF	0.0032	0.0160	0.0240	0.0016
			Max			0.1055	0.5275	0.7913	0.0525
			Min			0.0000	0.0000	0.0000	0.0000
S4	Room 1032	0.3 - 1.2	SA	14:30	ON	0.0478	0.2390	0.3585	0.0238
			Max			0.5460	2.7300	4.0950	0.2719
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:33	OFF	0.0438	0.2190	0.3285	0.0218
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
S5	Library	1.3 - 2.2	SA	14:10	ON	0.0773	0.3865	0.5798	0.0385
			Max			0.5460	2.7300	4.0950	0.2719
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:15	OFF	0.0415	0.2075	0.3113	0.0207
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
S6	Room 1026	0.8 - 1.7	SA	14:20	ON	0.0913	0.4565	0.6848	0.0455
			Max			0.5460	2.7300	4.0950	0.2719
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:24	OFF	0.0319	0.1595	0.2393	0.0159
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
S7	Room 1108	0.8 - 1.7	SA	14:48	ON	0.0437	0.2185	0.3278	0.0218
			Max			0.5460	2.7300	4.0950	0.2719
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:52	OFF	0.0975	0.4875	0.7313	0.0486
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
S8	Woodshop	0.8 - 1.7	SA	14:39	ON	0.0482	0.2410	0.3615	0.0240
			Max			0.5460	2.7300	4.0950	0.2719
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:43	OFF	0.0506	0.2530	0.3795	0.0252
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
S9	Room 1055	1.3 - 2.2	SA	13:49	ON	0.1349	0.6745	1.0118	0.0672
			Max			0.5460	2.7300	4.0950	0.2719
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:52	OFF	0.1058	0.5290	0.7935	0.0527
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
S10	Room 1060	1.3 - 2.2	SA	13:59	ON	0.0972	0.4860	0.7290	0.0484
			Max			0.5460	2.7300	4.0950	0.2719
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:02	OFF	0.0830	0.4150	0.6225	0.0413
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
S11	Room 205	0.8 - 1.7	SA	13:08	ON	0.0853	0.4265	0.6398	0.0425
			Max			0.4516	2.2580	3.3870	0.2249
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:02	OFF	0.0667	0.3335	0.5003	0.0332
			Max			0.4548	2.2740	3.4110	0.2265
			Min			0.0000	0.0000	0.0000	0.0000
S12	Room 208	1.3 - 2.2	SA	13:17	ON	0.1428	0.7140	1.0710	0.0711
			Max			0.4516	2.2580	3.3870	0.2249
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:10	OFF	0.0543	0.2715	0.4073	0.0270
			Max			0.4543	2.2715	3.4073	0.2262
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum



Scale: AS SHOWN
 Project No.: G2S14600B
 Date: MAY 2018
 Drawn by: EN/GB
 File name: CBE.DWG

SHERWOOD SCHOOL
ADDITIONAL (NOT WIFI) ELECTROMAGNETIC SOURCES

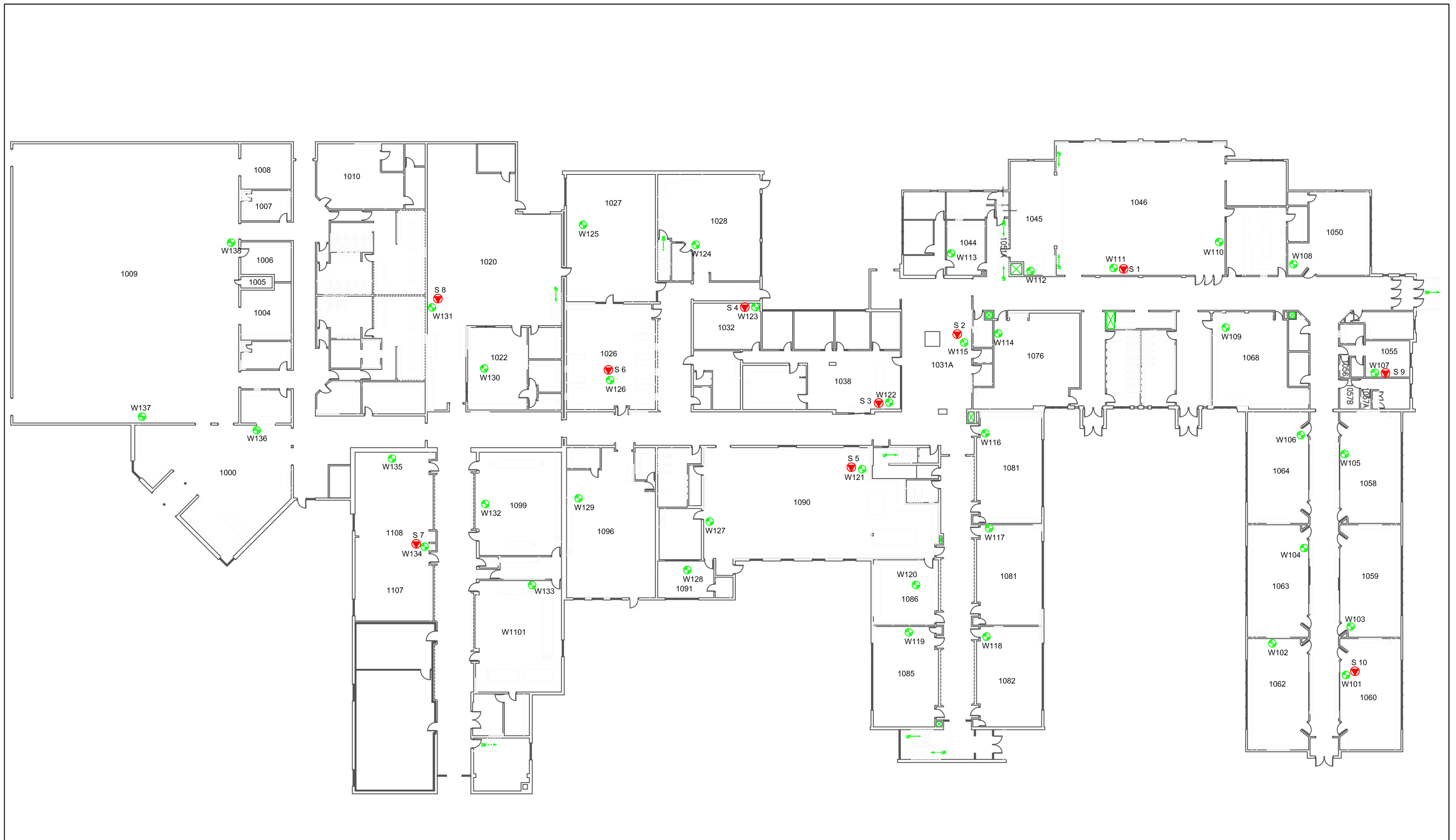
CALGARY

ONTARIO





Drawing No.

B18



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

SHERWOOD SCHOOL - MAIN FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



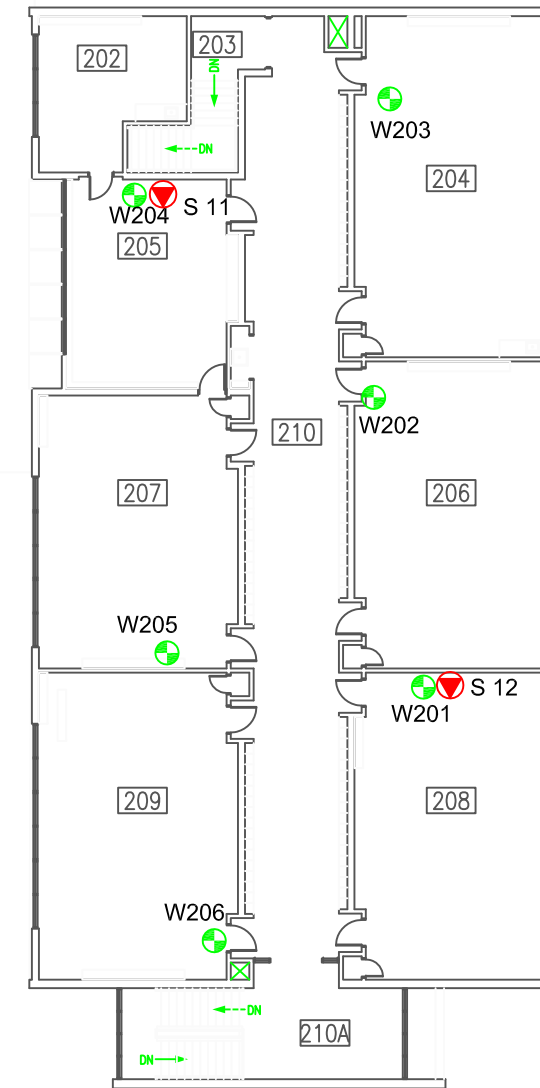
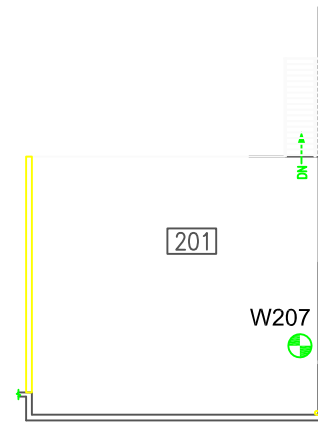
Drawing No.
B18-1

ROOF



ROOF

ROOF

ROOF



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

SHERWOOD SCHOOL - SECOND FLOOR
 ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



Drawing No.
B18-2



**Attachment B19
Silver Springs School**

Table 19: Field Measurements
Silver Springs Public School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
SS1	Main Office	0.8 - 1.7	SA	9:50	ON	0.1479	0.7395	1.1093	0.0737
			Max			0.7408	3.7040	5.5560	0.3689
			Min			0.0000	0.0000	0.0000	0.0000
			SA	14:50	OFF	0.0558	0.2790	0.4185	0.0278
			Max			0.4390	2.1950	3.2925	0.2186
			Min			0.0000	0.0000	0.0000	0.0000
SS2	Room 105	1.3 - 2.2	SA	9:40	ON	0.0762	0.3810	0.5715	0.0379
			Max			0.7408	3.7040	5.5560	0.3689
			Min			0.0000	0.0000	0.0000	0.0000
			SA	14:40	OFF	0.1436	0.7180	1.0770	0.0715
			Max			0.5033	2.5165	3.7748	0.2506
			Min			0.0000	0.0000	0.0000	0.0000
SS3	Gym	0.8 - 1.7	SA	11:10	ON	0.1331	0.6655	0.9983	0.0663
			Max			0.7408	3.7040	5.5560	0.3689
			Min			0.0000	0.0000	0.0000	0.0000
			SA	15:52	OFF	0.0389	0.1945	0.2918	0.0194
			Max			0.4761	2.3805	3.5708	0.2371
			Min			0.0000	0.0000	0.0000	0.0000
SS4	Music Room	0.3 - 1.2	SA	11:20	ON	0.2261	1.1305	1.6958	0.1126
			Max			0.7408	3.7040	5.5560	0.3689
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:01	OFF	0.1043	0.5215	0.7823	0.0519
			Max			0.4761	2.3805	3.5708	0.2371
			Min			0.0000	0.0000	0.0000	0.0000
SS5	Room 132	0.8 - 1.7	SA	11:00	ON	0.1337	0.6685	1.0028	0.0666
			Max			0.7408	3.7040	5.5560	0.3689
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:11	OFF	0.0585	0.2925	0.4388	0.0291
			Max			0.4761	2.3805	3.5708	0.2371
			Min			0.0000	0.0000	0.0000	0.0000
SS6	Room 128	1.3 - 2.2	SA	10:50	ON	0.0834	0.4170	0.6255	0.0415
			Max			0.7408	3.7040	5.5560	0.3689
			Min			0.0000	0.0000	0.0000	0.0000
			SA	15:41	OFF	0.0173	0.0865	0.1298	0.0086
			Max			0.4761	2.3805	3.5708	0.2371
			Min			0.0000	0.0000	0.0000	0.0000
SS7	Room 144	1.3 - 2.2	SA	10:40	ON	0.1287	0.6435	0.9653	0.0641
			Max			0.7408	3.7040	5.5560	0.3689
			Min			0.0000	0.0000	0.0000	0.0000
			SA	15:32	OFF	0.0928	0.4640	0.6960	0.0462
			Max			0.4761	2.3805	3.5708	0.2371
			Min			0.0000	0.0000	0.0000	0.0000
SS8	Library	1.3 - 2.2	SA	10:28	ON	0.0080	0.0400	0.0600	0.0040
			Max			0.7408	3.7040	5.5560	0.3689
			Min			0.0000	0.0000	0.0000	0.0000
			SA	15:20	OFF	0.0581	0.2905	0.4358	0.0289
			Max			0.4761	2.3805	3.5708	0.2371
			Min			0.0000	0.0000	0.0000	0.0000
SS9	Staff Room	0.8 - 1.7	SA	10:09	ON	0.0396	0.1980	0.2970	0.0197
			Max			0.7408	3.7040	5.5560	0.3689
			Min			0.0000	0.0000	0.0000	0.0000
			SA	14:27	OFF	0.0093	0.0465	0.0698	0.0046
			Max			0.2116	1.0580	1.5870	0.1054
			Min			0.0000	0.0000	0.0000	0.0000
SS10	Room 139	1.3 - 2.2	SA	10:19	ON	0.0829	0.4145	0.6218	0.0413
			Max			0.7408	3.7040	5.5560	0.3689
			Min			0.0000	0.0000	0.0000	0.0000
			SA	15:10	OFF	0.0211	0.1055	0.1583	0.0105
			Max			0.4761	2.3805	3.5708	0.2371
			Min			0.0000	0.0000	0.0000	0.0000
S11	Room 137	1.3 - 2.2	SA	9:59	ON	0.1709	0.8545	1.2818	0.0851
			Max			0.7408	3.7040	5.5560	0.3689
			Min			0.0000	0.0000	0.0000	0.0000
			SA	15:00	OFF	0.0928	0.4640	0.6960	0.0462
			Max			0.4761	2.3805	3.5708	0.2371
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum



LEGEND	 ACCESS POINT LOCATION AND IDENTIFICATION
	 SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

SILVER SPRINGS SCHOOL- MAIN FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



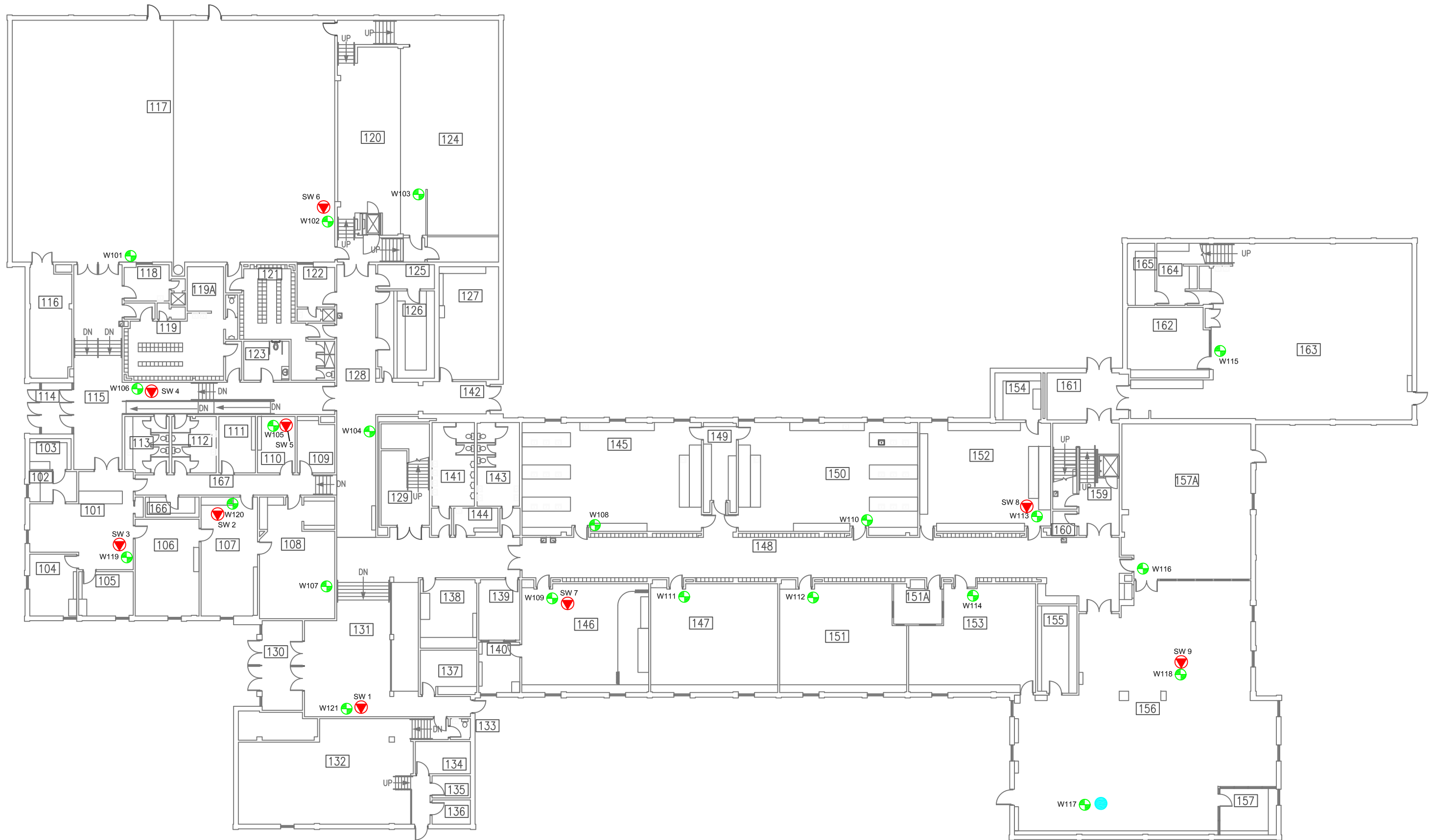
Drawing No.
B19-1

**Attachment B20
Sir Wilfrid Laurier School**



Table 20: Field Measurements
Sir Wilfrid Laurier School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
SW1	Main Entrance	1.3 - 2.2	SA	12:58	ON	0.0508	0.2540	0.3810	0.0253
			Max			0.2679	1.3395	2.0093	0.1334
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:32	OFF	0.0695	0.3475	0.5213	0.0346
			Max			0.3921	1.9605	2.9408	0.1953
			Min			0.0000	0.0000	0.0000	0.0000
SW2	Conference Room	0.8 - 1.7	SA	13:09	ON	0.0737	0.3685	0.5528	0.0367
			Max			0.4044	2.0220	3.0330	0.2014
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:48	OFF	0.0835	0.4175	0.6263	0.0416
			Max			0.4332	2.1660	3.2490	0.2157
			Min			0.0000	0.0000	0.0000	0.0000
SW3	Main Office	0.8 - 1.7	SA	13:18	ON	0.0988	0.4940	0.7410	0.0492
			Max			0.4044	2.0220	3.0330	0.2014
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:57	OFF	0.0540	0.2700	0.4050	0.0269
			Max			0.2455	1.2275	1.8413	0.1223
			Min			0.0000	0.0000	0.0000	0.0000
SW4	Hallway by Room 113	1.3 - 2.2	SA	13:28	ON	0.0934	0.4670	0.7005	0.0465
			Max			0.4044	2.0220	3.0330	0.2014
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:06	OFF	0.0677	0.3385	0.5078	0.0337
			Max			0.3465	1.7325	2.5988	0.1726
			Min			0.0000	0.0000	0.0000	0.0000
SW5	Room 110	0.8-1.7	SA	13:53	ON	0.0411	0.2055	0.3083	0.0205
			Max			0.4223	2.1115	3.1673	0.2103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:47	OFF	0.1005	0.5025	0.7538	0.0500
			Max			0.4332	2.1660	3.2490	0.2157
			Min			0.0000	0.0000	0.0000	0.0000
SW6	Gym	1.8 - 2.7	SA	13:38	ON	0.0701	0.3505	0.5258	0.0349
			Max			0.2382	1.1910	1.7865	0.1186
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:15	OFF	0.0808	0.4040	0.6060	0.0402
			Max			0.3465	1.7325	2.5988	0.1726
			Min			0.0000	0.0000	0.0000	0.0000
SW7	Room 146	0.8 - 1.7	SA	13:57	ON	0.0550	0.2750	0.4125	0.0274
			Max			0.4223	2.1115	3.1673	0.2103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:24	OFF	0.1411	0.7055	1.0583	0.0703
			Max			0.4043	2.0215	3.0323	0.2013
			Min			0.0000	0.0000	0.0000	0.0000
SW8	Room 152	0.8 - 1.7	SA	14:07	ON	0.0761	0.3805	0.5708	0.0379
			Max			0.4223	2.1115	3.1673	0.2103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:33	OFF	0.0186	0.0930	0.1395	0.0093
			Max			0.4928	2.4640	3.6960	0.2454
			Min			0.0000	0.0000	0.0000	0.0000
SW9	Library	1.3 - 2.2	SA	14:16	ON	0.0564	0.2820	0.4230	0.0281
			Max			0.4223	2.1115	3.1673	0.2103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:41	OFF	0.0222	0.1110	0.1665	0.0111
			Max			0.4926	2.4630	3.6945	0.2453
			Min			0.0000	0.0000	0.0000	0.0000
SW10	Room 210	1.3 - 2.2	SA	14:45	ON	0.0343	0.1715	0.2573	0.0171
			Max			0.4223	2.1115	3.1673	0.2103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:16	OFF	0.0386	0.1930	0.2895	0.0192
			Max			0.3038	1.5190	2.2785	0.1513
			Min			0.0000	0.0000	0.0000	0.0000
SW11	Room 215	0.8 - 1.7	SA	14:36	ON	0.0948	0.4740	0.7110	0.0472
			Max			0.4223	2.1115	3.1673	0.2103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:59	OFF	0.0998	0.4990	0.7485	0.0497
			Max			0.4928	2.4640	3.6960	0.2454
			Min			0.0000	0.0000	0.0000	0.0000
SW12	Hallway by Room 218	N/A	SA	14:27	ON	0.0823	0.4115	0.6173	0.0410
			Max			0.4223	2.1115	3.1673	0.2103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:50	OFF	0.0918	0.4590	0.6885	0.0457
			Max			0.4928	2.4640	3.6960	0.2454
			Min			0.0000	0.0000	0.0000	0.0000
SW13	Room 207	1.3 - 2.2	SA	14:55	ON	0.0806	0.4030	0.6045	0.0401
			Max			0.4223	2.1115	3.1673	0.2103
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:18	OFF	0.0550	0.2750	0.4125	0.0274
			Max			0.3038	1.5190	2.2785	0.1513
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
SA = Spatial Average
Max = Maximum
Min = Minimum



LEGEND

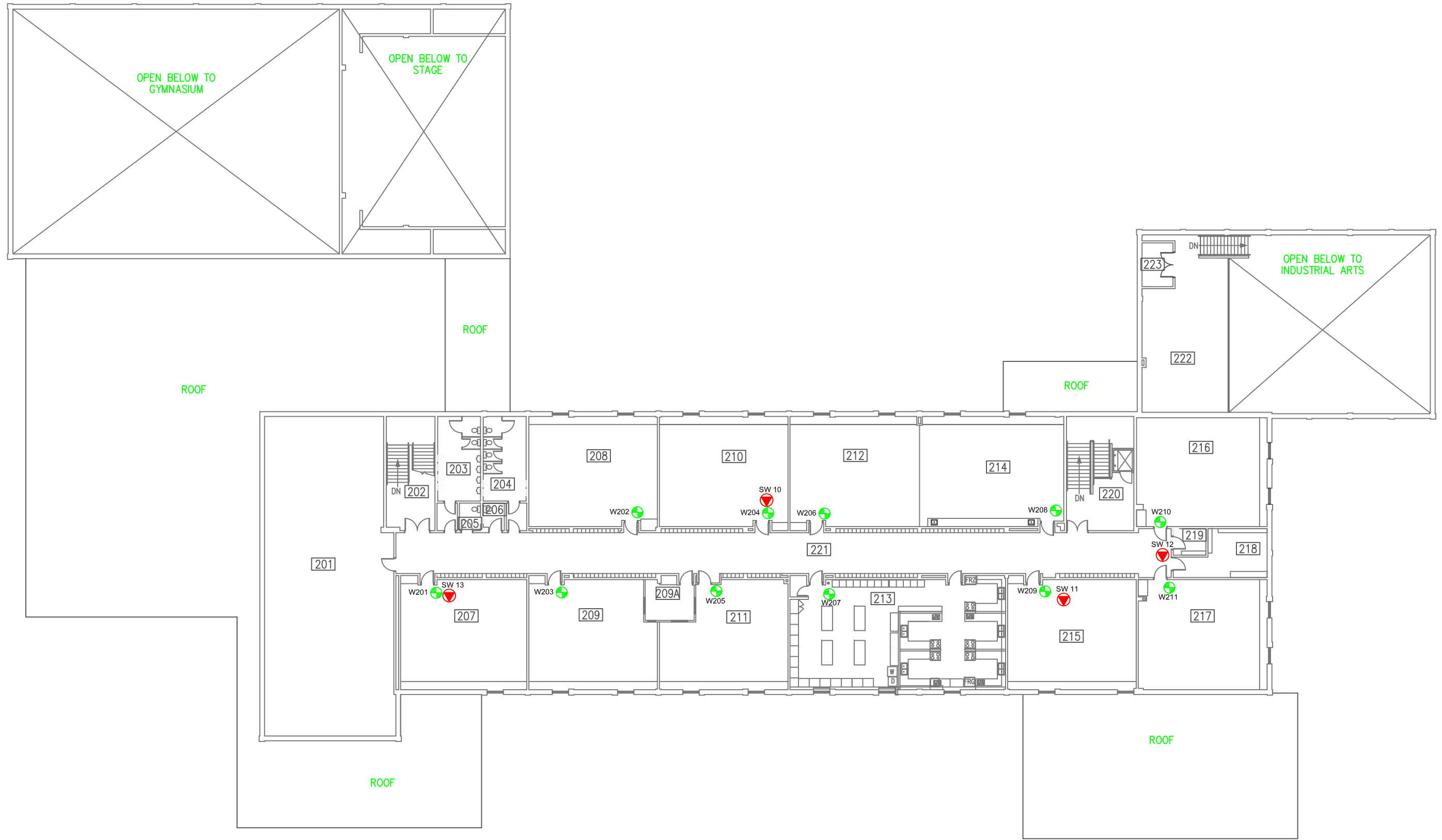
-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION



Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

SIR WILFRID LAURIER - MAIN FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



Drawing No.
B20-1



LEGEND	 ACCESS POINT LOCATION AND IDENTIFICATION
	 SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

SIR WILFRID LAURIER - SECOND FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



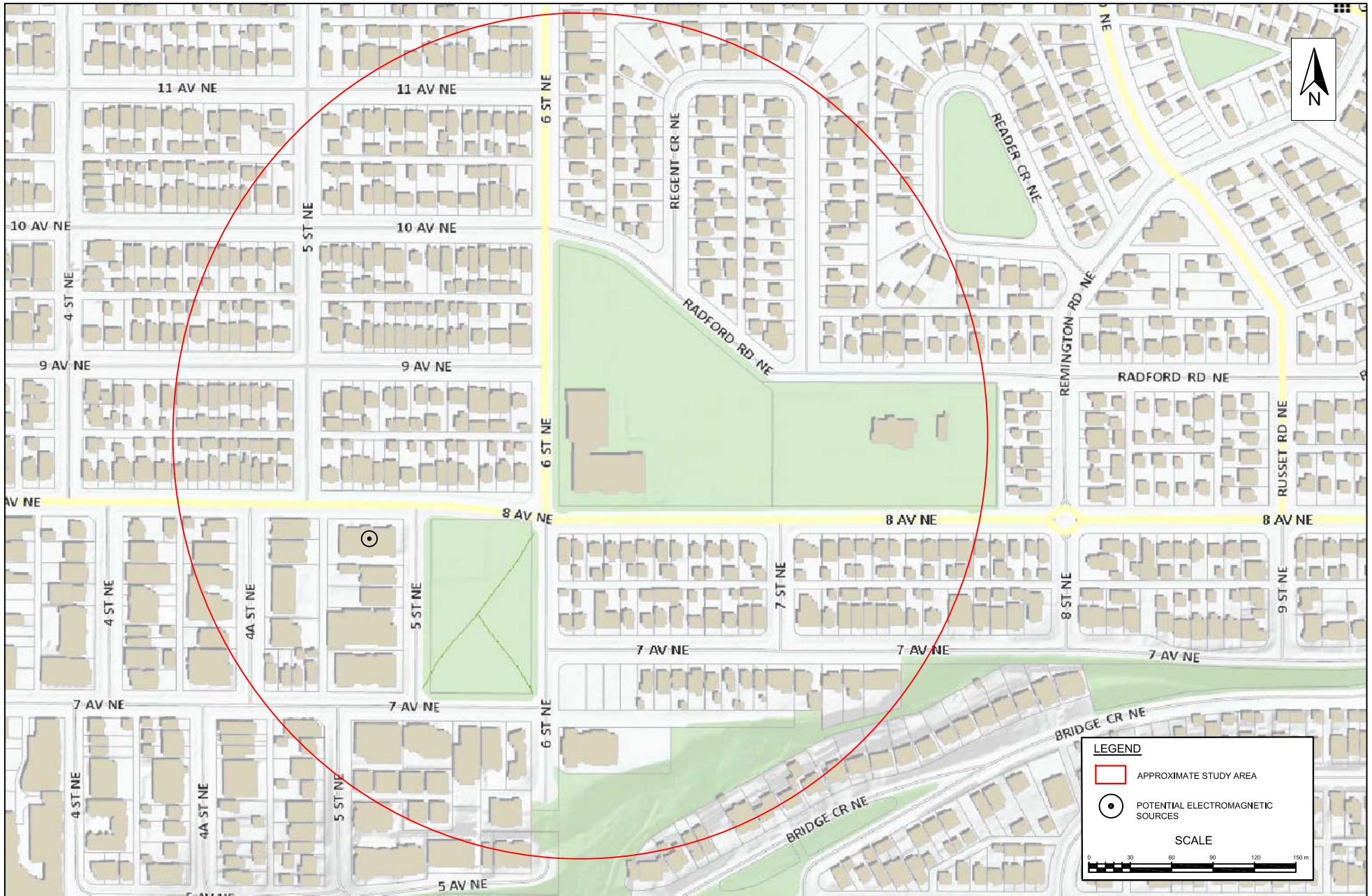
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B20-2

**Attachment B21
Stanley Jones School**

Table 21: Field Measurements
Stanley Jones School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
SJ1	Room 017	1.3 - 2.7	SA	11:39	ON	0.2284	1.1420	1.7130	0.1137
			Max			0.6410	3.2050	4.8075	0.3192
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:27	OFF	0.0936	0.4680	0.7020	0.0466
			Max			0.6452	3.2260	4.8390	0.3213
			Min			0.0000	0.0000	0.0000	0.0000
SJ2	Room 011	1.8 - 2.7	SA	11:27	ON	0.2682	1.3410	2.0115	0.1336
			Max			0.6410	3.2050	4.8075	0.3192
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:54	OFF	0.1583	0.7915	1.1873	0.0788
			Max			0.4245	2.1225	3.1838	0.2114
			Min			0.0000	0.0000	0.0000	0.0000
SJ3	Room 003	1.8 - 2.7	SA	11:17	ON	0.1946	0.9730	1.4595	0.0969
			Max			0.6410	3.2050	4.8075	0.3192
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:43	OFF	0.1366	0.6830	1.0245	0.0680
			Max			0.3176	1.5880	2.3820	0.1582
			Min			0.0000	0.0000	0.0000	0.0000
SJ4	Gym	1.3 - 2.2	SA	10:06	ON	0.1078	0.5390	0.8085	0.0537
			Max			0.6410	3.2050	4.8075	0.3192
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:37	OFF	0.0649	0.3245	0.4868	0.0323
			Max			0.6452	3.2260	4.8390	0.3213
			Min			0.0000	0.0000	0.0000	0.0000
SJ5	Room 134	1.8 - 2.7	SA	9:56	ON	0.1077	0.5385	0.8078	0.0536
			Max			0.6410	3.2050	4.8075	0.3192
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:16	OFF	0.1365	0.6825	1.0238	0.0680
			Max			0.6452	3.2260	4.8390	0.3213
			Min			0.0000	0.0000	0.0000	0.0000
SJ6	Room 101	1.8 - 2.7	SA	9:47	ON	0.0433	0.2165	0.3248	0.0216
			Max			0.6410	3.2050	4.8075	0.3192
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:05	OFF	0.1917	0.9585	1.4378	0.0955
			Max			0.4939	2.4695	3.7043	0.2460
			Min			0.0000	0.0000	0.0000	0.0000
SJ7	Main Office	0.8 - 1.7	SA	9:27	ON	0.0176	0.0880	0.1320	0.0088
			Max			0.2007	1.0035	1.5053	0.0999
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:46	OFF	0.0231	0.1155	0.1733	0.0115
			Max			0.6452	3.2260	4.8390	0.3213
			Min			0.0000	0.0000	0.0000	0.0000
SJ8	Room 110	1.8 - 2.7	SA	9:36	ON	0.1059	0.5295	0.7943	0.0527
			Max			0.4595	2.2975	3.4463	0.2288
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:56	OFF	0.0037	0.0185	0.0278	0.0018
			Max			0.6452	3.2260	4.8390	0.3213
			Min			0.0000	0.0000	0.0000	0.0000
SJ9	Room 214	1.8 - 2.7	SA	10:17	ON	0.1296	0.6480	0.9720	0.0645
			Max			0.6410	3.2050	4.8075	0.3192
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:55	OFF	0.1216	0.6080	0.9120	0.0606
			Max			0.4115	2.0575	3.0863	0.2049
			Min			0.0000	0.0000	0.0000	0.0000
SJ10	Room 210	N/A	SA	10:37	ON	0.2310	1.1550	1.7325	0.1150
			Max			0.6410	3.2050	4.8075	0.3192
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:35	OFF	0.1344	0.6720	1.0080	0.0669
			Max			0.3537	1.7685	2.6528	0.1761
			Min			0.0000	0.0000	0.0000	0.0000
SJ11	Room 203	1.8 - 2.7	SA	10:28	ON	0.1503	0.7515	1.1273	0.0748
			Max			0.6410	3.2050	4.8075	0.3192
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:44	OFF	0.1466	0.7330	1.0995	0.0730
			Max			0.4115	2.0575	3.0863	0.2049
			Min			0.0000	0.0000	0.0000	0.0000
SJ12	Room 204	1.8 - 2.7	SA	10:48	ON	0.3019	1.5095	2.2643	0.1503
			Max			0.6410	3.2050	4.8075	0.3192
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:17	OFF	0.1248	0.6240	0.9360	0.0622
			Max			0.4115	2.0575	3.0863	0.2049
			Min			0.0000	0.0000	0.0000	0.0000
SJ13	Hallway by Room 209	N/A	SA	10:57	ON	0.2787	1.3935	2.0903	0.1388
			Max			0.6410	3.2050	4.8075	0.3192
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:25	OFF	0.1821	0.9105	1.3658	0.0907
			Max			0.4115	2.0575	3.0863	0.2049
			Min			0.0000	0.0000	0.0000	0.0000
SJ14	Room 205	1.8 - 2.7	SA	11:06	ON	0.2917	1.4585	2.1878	0.1453
			Max			0.6410	3.2050	4.8075	0.3192
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:08	OFF	0.0507	0.2535	0.3803	0.0252
			Max			0.3382	1.6910	2.5365	0.1684
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
SA = Spatial Average
Max = Maximum
Min = Minimum

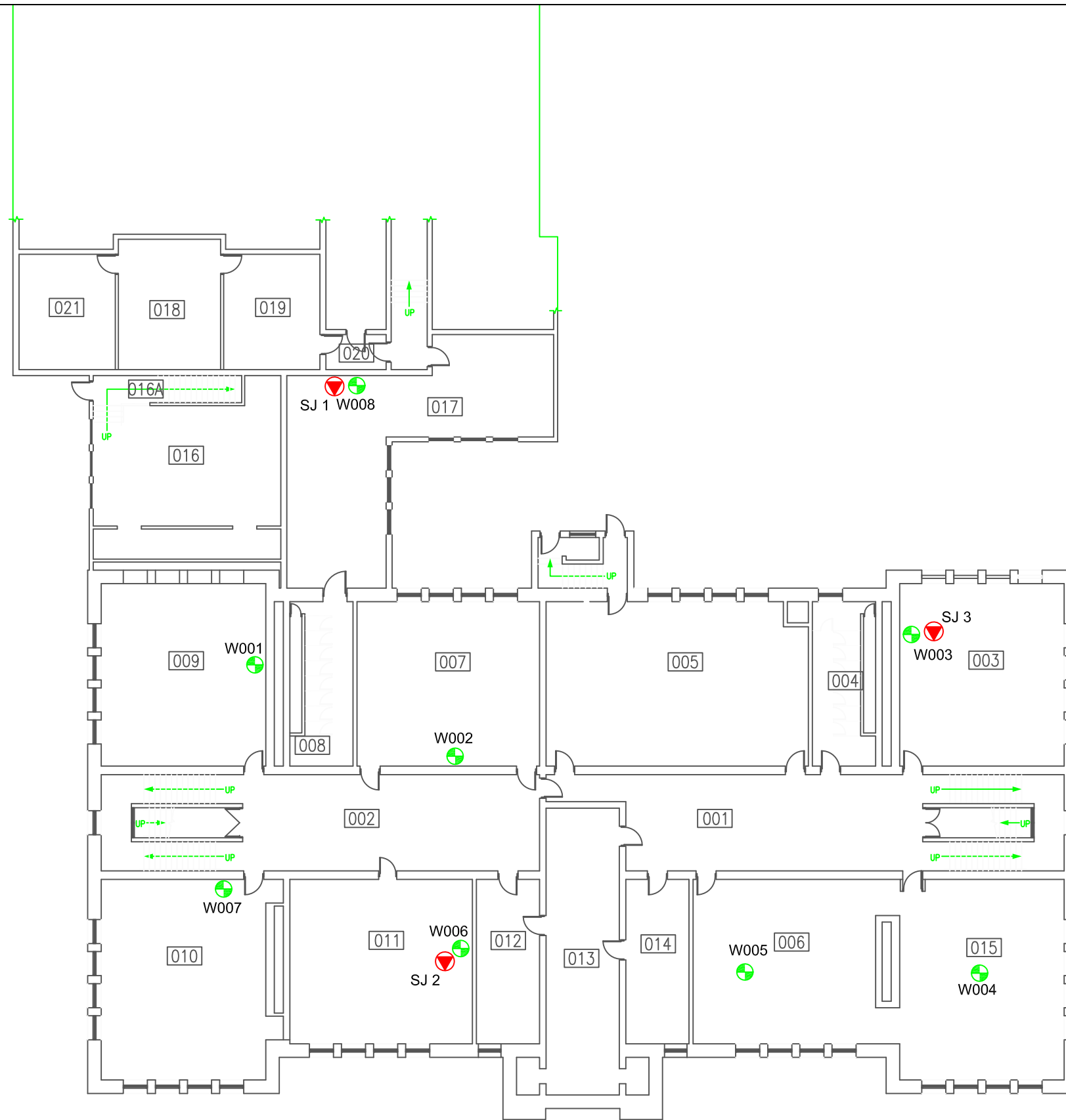


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STANLEY JONES SCHOOL
ADDITIONAL (NOT WIFI) ELECTROMAGNETIC SOURCES
 CALGARY ONTARIO



Drawing No.
B21



LEGEND

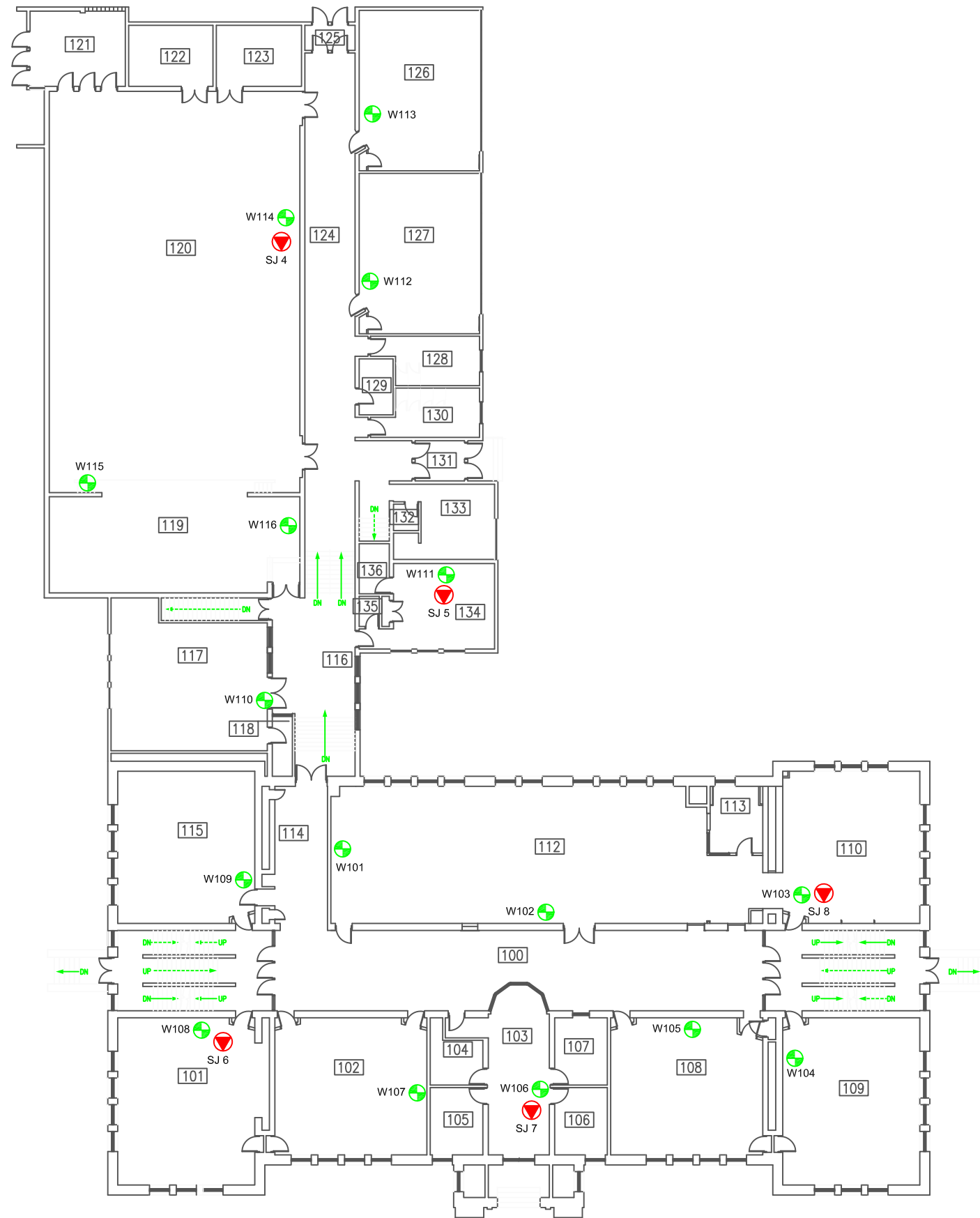
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-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

STANLEY JONES - BASEMENT
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



Drawing No.
B21-1



LEGEND

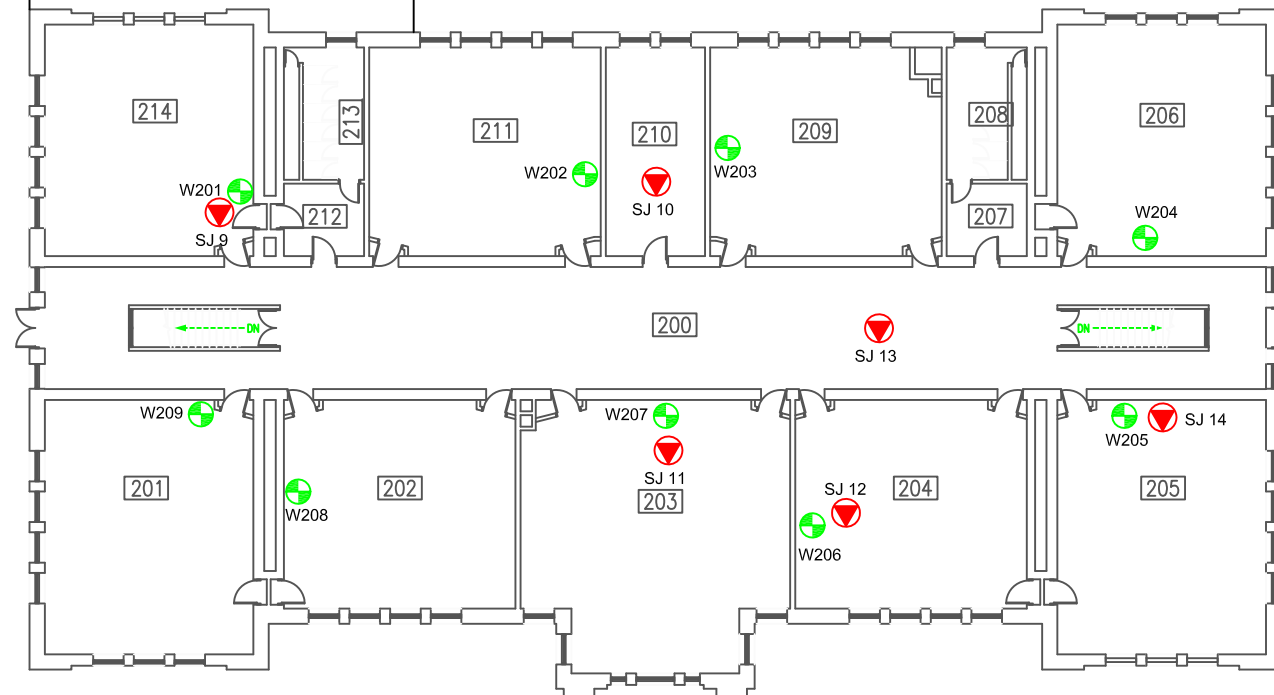
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Scale: N.T.S.
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 Date: MARCH 2018
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 File name: CBE.dwg



STANLEY JONES - FIRST FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



Drawing No.
B21-2



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

STANLEY JONES - SECOND FLOOR
ELECTROMAGNETIC RADIATION (EMR) TESTING
 CALGARY ALBERTA



Drawing No.
B21-3

**Attachment B2
Twelve Mile Coulee School**

Table 22: Field Measurements
Twelve Mile Coulee School

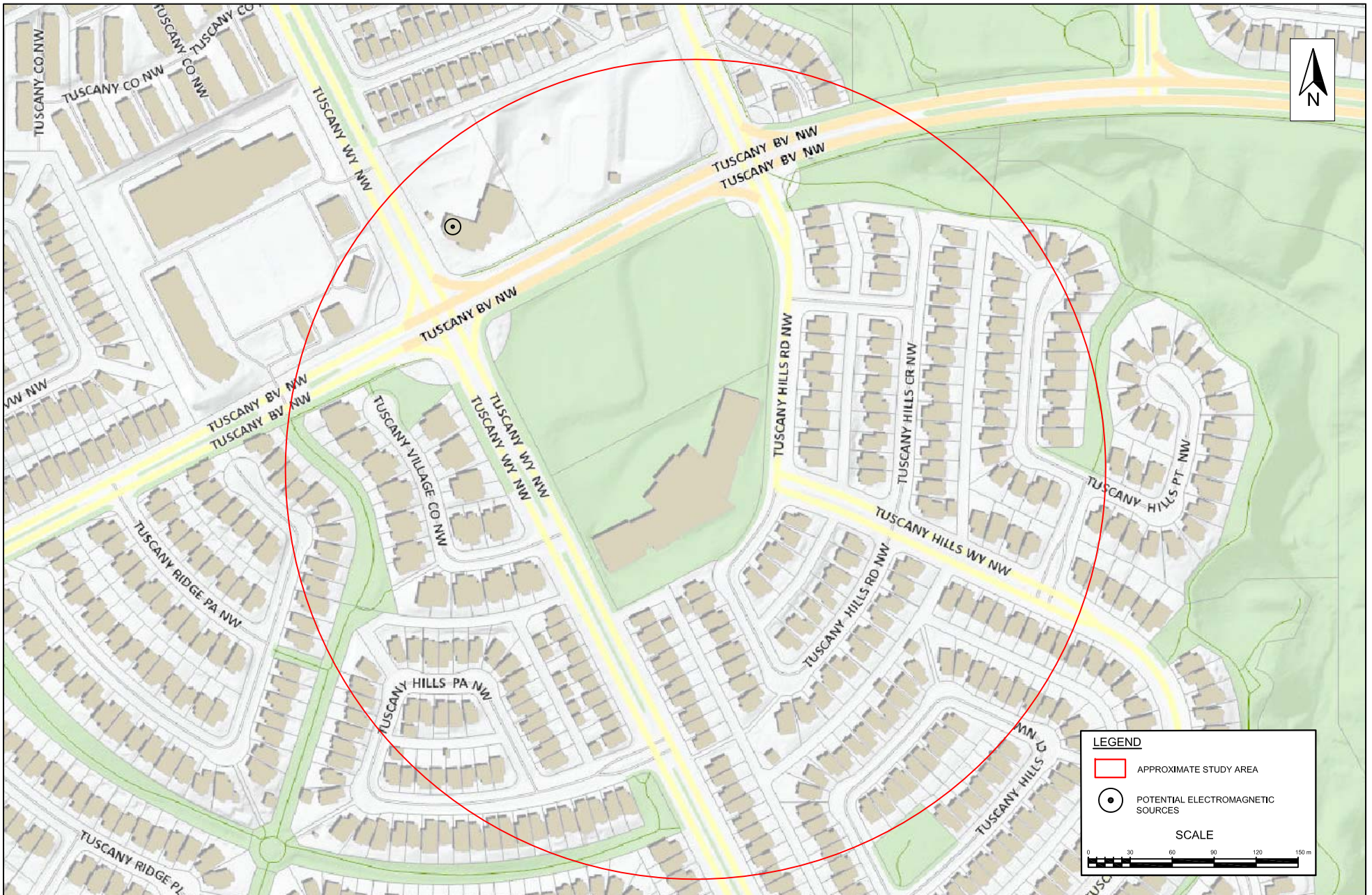
Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
TM1	Room M105	0.8 - 1.7	SA	11:32	ON	0.4787	2.3935	3.5903	0.2384
			Max			0.6913	3.4565	5.1848	0.3443
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:44	OFF	0.0305	0.1525	0.2288	0.0152
			Max			0.2166	1.0830	1.6245	0.1079
			Min			0.0000	0.0000	0.0000	0.0000
TM2	Room M102	0.8 - 1.7	SA	12:00	ON	0.6313	3.1565	4.7348	0.3144
			Max			0.8379	4.1895	6.2843	0.4173
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:44	OFF	0.0338	0.1690	0.2535	0.0168
			Max			0.2599	1.2995	1.9493	0.1294
			Min			0.0000	0.0000	0.0000	0.0000
TM3	Room M104	0.8 - 1.7	SA	12:11	ON	0.7572	3.7860	5.6790	0.3771
			Max			0.9763	4.8815	7.3223	0.4862
			Min			0.5684	2.8420	4.2630	0.2831
			SA	16:54	OFF	0.2285	1.1425	1.7138	0.1138
			Max			0.4488	2.2440	3.3660	0.2235
			Min			0.0000	0.0000	0.0000	0.0000
TM4	Woodshop	2.3 - 3.2	SA	12:33	ON	0.8240	4.1200	6.1800	0.4104
			Max			1.1320	5.6600	8.4900	0.5637
			Min			0.5684	2.8420	4.2630	0.2831
			SA	17:14	OFF	0.4231	2.1155	3.1733	0.2107
			Max			0.6405	3.2025	4.8038	0.3190
			Min			0.0000	0.0000	0.0000	0.0000
TM5	Music Room	2.3 - 3.2	SA	12:22	ON	0.8801	4.4005	6.6008	0.4383
			Max			1.1320	5.6600	8.4900	0.5637
			Min			0.5684	2.8420	4.2630	0.2831
			SA	17:04	OFF	0.2867	1.4335	2.1503	0.1428
			Max			0.5538	2.7690	4.1535	0.2758
			Min			0.0000	0.0000	0.0000	0.0000
TM6	Staff Lounge	1.8 - 2.7	SA	12:58	ON	0.9070	4.5350	6.8025	0.4517
			Max			1.1320	5.6600	8.4900	0.5637
			Min			0.5684	2.8420	4.2630	0.2831
			SA	17:34	OFF	0.3348	1.6740	2.5110	0.1667
			Max			0.6405	3.2025	4.8038	0.3190
			Min			0.0000	0.0000	0.0000	0.0000
TM7	Hallway by Room 159	1.8 - 2.7	SA	13:08	ON	0.9500	4.7500	7.1250	0.4731
			Max			1.1500	5.7500	8.6250	0.5727
			Min			0.5684	2.8420	4.2630	0.2831
			SA	18:26	OFF	0.3634	1.8170	2.7255	0.1810
			Max			0.5443	2.7215	4.0823	0.2711
			Min			0.1949	0.9745	1.4618	0.0971
TM8	Main Office	1.8 - 2.7	SA	11:32	ON	0.0104	0.0520	0.0780	0.0052
			Max			0.1700	0.8500	1.2750	0.0847
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:44	OFF	0.3917	1.9585	2.9378	0.1951
			Max			0.6405	3.2025	4.8038	0.3190
			Min			0.0000	0.0000	0.0000	0.0000
TM9	Library	2.3 - 3.2	SA	13:19	ON	1.0110	5.0550	7.5825	0.5035
			Max			1.1820	5.9100	8.8650	0.5886
			Min			0.5684	2.8420	4.2630	0.2831
			SA	18:06	OFF	0.3135	1.5675	2.3513	0.1561
			Max			0.6405	3.2025	4.8038	0.3190
			Min			0.0000	0.0000	0.0000	0.0000
TM10	Hallway by Room 104	1.3 - 2.2	SA	14:12	ON	0.9900	4.9500	7.4250	0.4930
			Max			1.1770	5.8850	8.8275	0.5861
			Min			0.7000	3.5000	5.2500	0.3486
			SA	18:16	OFF	0.3651	1.8255	2.7383	0.1818
			Max			0.6405	3.2025	4.8038	0.3190
			Min			0.0000	0.0000	0.0000	0.0000
TM11	Work-out Room	1.8 - 2.7	SA	13:30	ON	1.0130	5.0650	7.5975	0.5045
			Max			1.2640	6.3200	9.4800	0.6295
			Min			0.7800	3.9000	5.8500	0.3884
			SA	17:55	OFF	0.3144	1.5720	2.3580	0.1566
			Max			0.6405	3.2025	4.8038	0.3190
			Min			0.0000	0.0000	0.0000	0.0000
TM12	Room M116	0.8 - 1.7	SA	13:43	ON	0.8700	4.3500	6.5250	0.4333
			Max			1.2640	6.3200	9.4800	0.6295
			Min			0.6960	3.4800	5.2200	0.3466
			SA	18:50	OFF	0.3725	1.8625	2.7938	0.1855
			Max			0.6654	3.3270	4.9905	0.3314
			Min			0.1660	0.8300	1.2450	0.0827

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum

Table 22: Field Measurements
Twelve Mile Coulee School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
TM13	Room M111	0.8 - 1.7	SA	13:53	ON	0.8940	4.4700	6.7050	0.4452
			Max			1.2640	6.3200	9.4800	0.6295
			Min			0.6930	3.4650	5.1975	0.3451
			SA	18:38	OFF	0.3555	1.7775	2.6663	0.1770
			Max			0.6654	3.3270	4.9905	0.3314
			Min			0.1660	0.8300	1.2450	0.0827
TM14	Hallway by Room 112	N/A	SA	14:02	ON	0.8660	4.3300	6.4950	0.4313
			Max			1.2640	6.3200	9.4800	0.6295
			Min			0.6380	3.1900	4.7850	0.3177
			SA	19:01	OFF	0.2720	1.3600	2.0400	0.1355
			Max			0.6654	3.3270	4.9905	0.3314
			Min			0.1072	0.5360	0.8040	0.0534
TM15	Room 234	1.3 - 2.2	SA	15:29	ON	1.1420	5.7100	8.5650	0.5687
			Max			1.3810	6.9050	10.3575	0.6877
			Min			0.7000	3.5000	5.2500	0.3486
			SA	20:26	OFF	0.3696	1.8480	2.7720	0.1841
			Max			0.9893	4.9465	7.4198	0.4927
			Min			0.1072	0.5360	0.8040	0.0534
TM16	Room 210	1.3 - 2.2	SA	15:20	ON	1.1090	5.5450	8.3175	0.5523
			Max			1.3810	6.9050	10.3575	0.6877
			Min			0.7000	3.5000	5.2500	0.3486
			SA	20:15	OFF	0.4121	2.0605	3.0908	0.2052
			Max			0.9893	4.9465	7.4198	0.4927
			Min			0.1072	0.5360	0.8040	0.0534
TM17	Room 204	1.3 - 2.2	SA	15:11	ON	1.1500	5.7500	8.6250	0.5727
			Max			1.3810	6.9050	10.3575	0.6877
			Min			0.7000	3.5000	5.2500	0.3486
			SA	20:04	OFF	0.5141	2.5705	3.8558	0.2560
			Max			0.9898	4.9490	7.4235	0.4929
			Min			0.1072	0.5360	0.8040	0.0534
TM18	Room 201	1.3 - 2.2	SA	15:03	ON	1.1440	5.7200	8.5800	0.5697
			Max			1.3810	6.9050	10.3575	0.6877
			Min			0.7000	3.5000	5.2500	0.3486
			SA	19:55	OFF	0.4392	2.1960	3.2940	0.2187
			Max			0.9893	4.9465	7.4198	0.4927
			Min			0.1072	0.5360	0.8040	0.0534
TM19	Room 223	1.3 - 2.2	SA	14:53	ON	1.1330	5.6650	8.4975	0.5642
			Max			1.3810	6.9050	10.3575	0.6877
			Min			0.7000	3.5000	5.2500	0.3486
			SA	19:44	OFF	0.4497	2.2485	3.3728	0.2240
			Max			0.9893	4.9465	7.4198	0.4927
			Min			0.1072	0.5360	0.8040	0.0534
TM20	Room 221	1.3 - 2.2	SA	14:43	ON	1.1230	5.6150	8.4225	0.5593
			Max			1.3160	6.5800	9.8700	0.6554
			Min			0.7000	3.5000	5.2500	0.3486
			SA	19:34	OFF	0.5112	2.5560	3.8340	0.2546
			Max			0.9893	4.9465	7.4198	0.4927
			Min			0.1072	0.5360	0.8040	0.0534
TM21	Room 233	0.8 - 1.7	SA	14:33	ON	1.0480	5.2400	7.8600	0.5219
			Max			1.2230	6.1150	9.1725	0.6091
			Min			0.7000	3.5000	5.2500	0.3486
			SA	19:23	OFF	0.5979	2.9895	4.4843	0.2978
			Max			0.9893	4.9465	7.4198	0.4927
			Min			0.1072	0.5360	0.8040	0.0534
TM22	Room 230	0.8 - 1.7	SA	14:24	ON	0.9870	4.9350	7.4025	0.4915
			Max			1.2230	6.1150	9.1725	0.6091
			Min			0.7000	3.5000	5.2500	0.3486
			SA	19:12	OFF	0.3950	1.9750	2.9625	0.1967
			Max			0.6858	3.4290	5.1435	0.3415
			Min			0.1072	0.5360	0.8040	0.0534
TM23	Food/ Fashion Classroom	1.8 - 2.7	SA	12:45	ON	0.8600	4.3000	6.4500	0.4283
			Max			1.1320	5.6600	8.4900	0.5637
			Min			0.5684	2.8420	4.2630	0.2831
			SA	17:24	OFF	0.3238	1.6190	2.4285	0.1613
			Max			0.6405	3.2025	4.8038	0.3190
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum



Scale: AS SHOWN
 Project No.: G2S14600B
 Date: MAY 2018
 Drawn by: EN/GB
 File name: CBE.DWG



TWELVE MILE COULEE
ADDITIONAL (NOT WIFI) ELECTROMAGNETIC SOURCES
 CALGARY ONTARIO



Drawing No.
B22



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

**TWELVE MILE COULEE - FIRST FLOOR
 ELECTROMAGNETIC RADIATION (EMR) TESTING
 FIRST FLOOR**

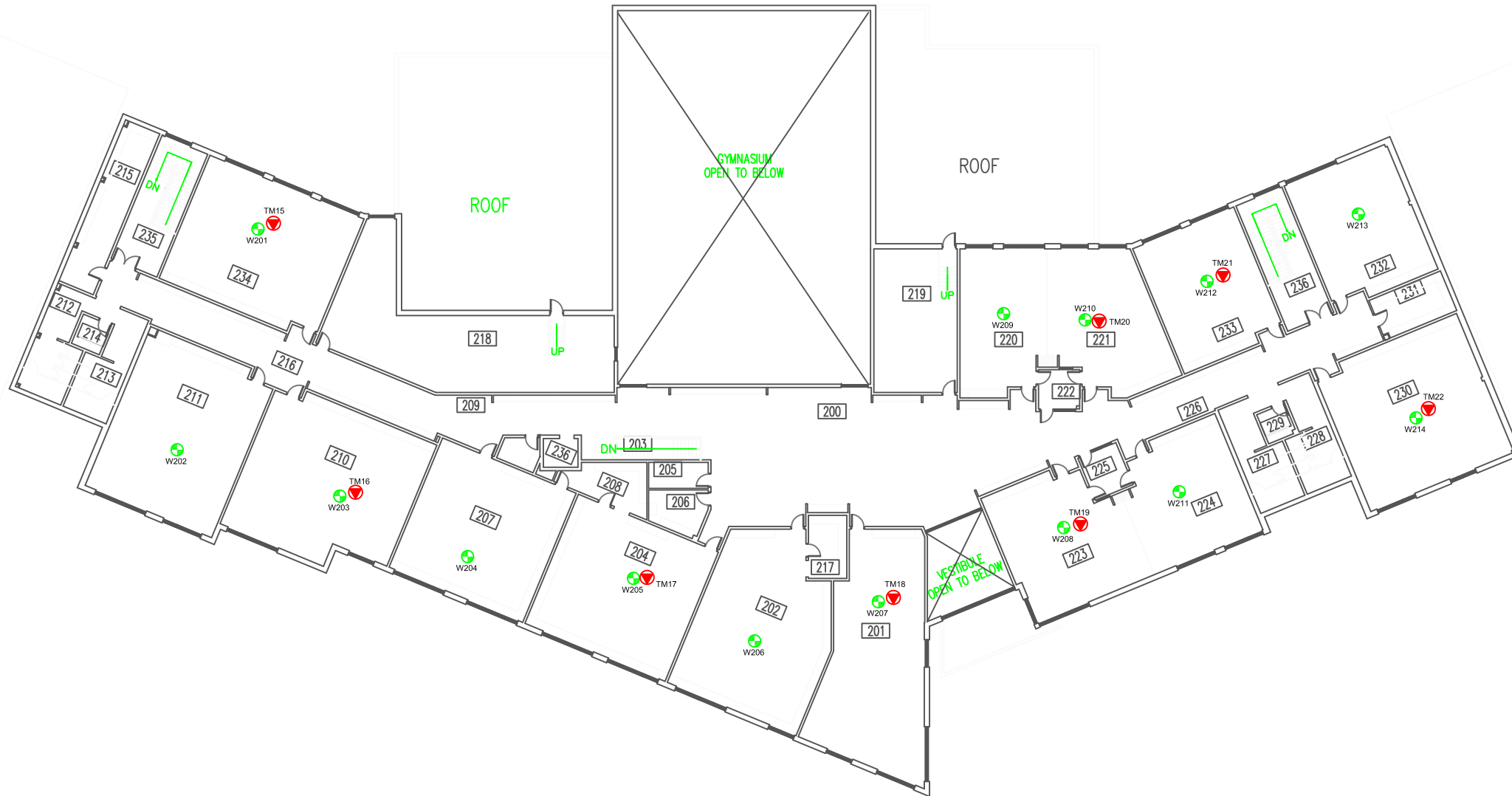
CALGARY

ALBERTA





Drawing No.
B22-1

ROOF



ROOF

LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

**TWELVE MILE COULEE - SECOND FLOOR
 ELECTROMAGNETIC RADIATION (EMR) TESTING**

CALGARY

ALBERTA



Drawing No.
B22-2

Attachment B23
Western Canada High School

Table 23: Field Measurements
Western Canada High School

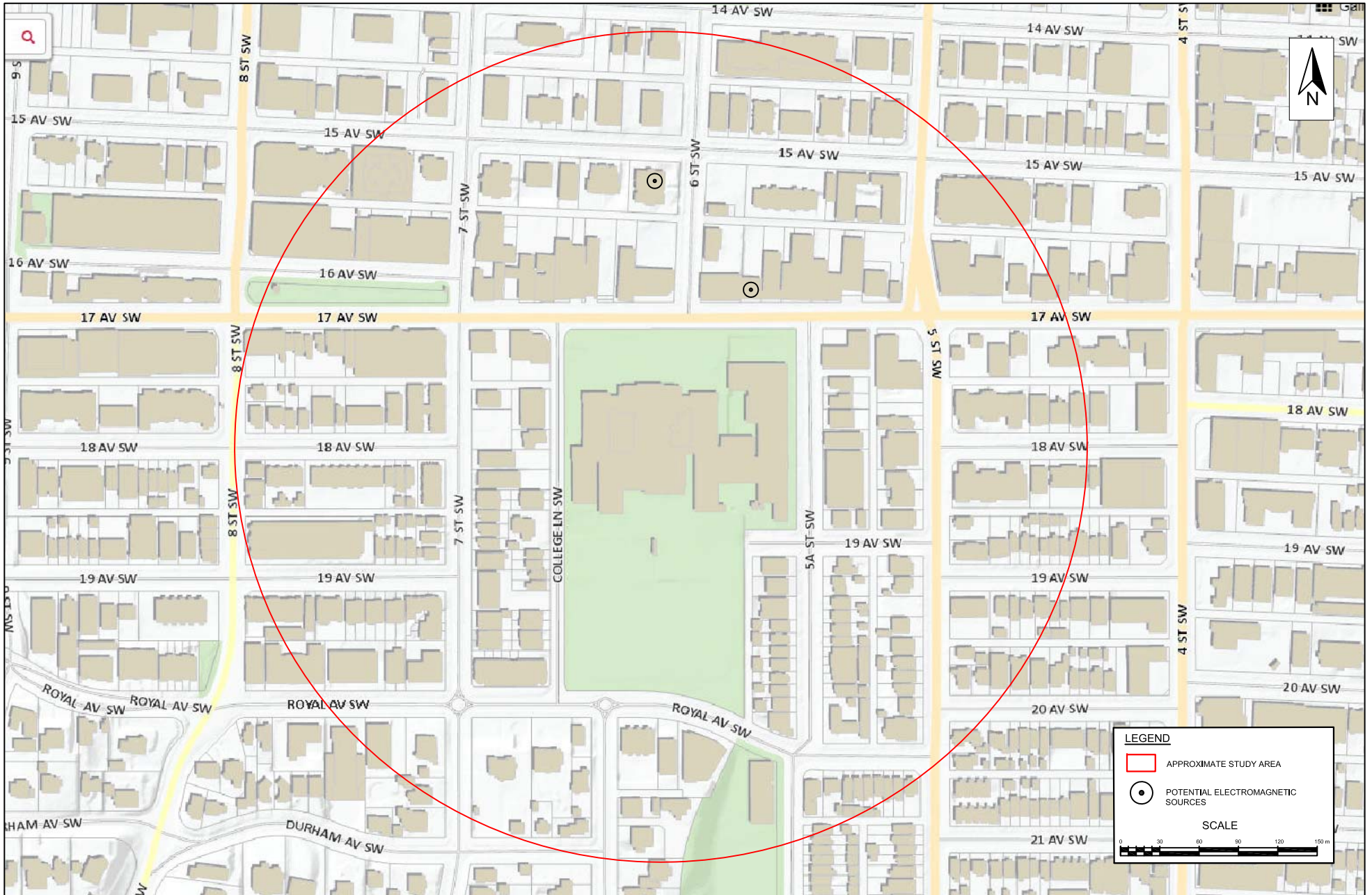
Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
WC1	Fitness Centre	0.8 - 1.7	SA	13:30	ON	0.0441	0.2205	0.3308	0.0220
			Max			0.8083	4.0415	6.0623	0.4025
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:10	OFF	0.0194	0.0970	0.1455	0.0097
			Max			0.5004	2.5020	3.7530	0.2492
			Min			0.0000	0.0000	0.0000	0.0000
WC2	Room 023	2.8 - 3.7	SA	13:21	ON	0.0482	0.2410	0.3615	0.0240
			Max			0.8083	4.0415	6.0623	0.4025
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:00	OFF	0.0290	0.1450	0.2175	0.0144
			Max			0.5004	2.5020	3.7530	0.2492
			Min			0.0000	0.0000	0.0000	0.0000
WC3	Room 032	2.3 - 3.2	SA	13:11	ON	0.0511	0.2555	0.3833	0.0254
			Max			0.8083	4.0415	6.0623	0.4025
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:52	OFF	0.0870	0.4350	0.6525	0.0433
			Max			0.5004	2.5020	3.7530	0.2492
			Min			0.0000	0.0000	0.0000	0.0000
WC4	Room 015	1.3 - 2.2	SA	12:55	ON	0.0488	0.2440	0.3660	0.0243
			Max			0.8083	4.0415	6.0623	0.4025
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:54	OFF	0.0608	0.3040	0.4560	0.0303
			Max			0.5004	2.5020	3.7530	0.2492
			Min			0.0000	0.0000	0.0000	0.0000
WC5	Math Office	1.8 - 2.2	SA	11:36	ON	0.0342	0.1710	0.2565	0.0170
			Max			0.3233	1.6165	2.4248	0.1610
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:43	OFF	0.1623	0.8115	1.2173	0.0808
			Max			0.4482	2.2410	3.3615	0.2232
			Min			0.0000	0.0000	0.0000	0.0000
WC6	Room 1027	1.8 - 2.7	SA	11:46	ON	0.1610	0.8050	1.2075	0.0802
			Max			0.4099	2.0495	3.0743	0.2041
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:05	OFF	0.1213	0.6065	0.9098	0.0604
			Max			0.5004	2.5020	3.7530	0.2492
			Min			0.0000	0.0000	0.0000	0.0000
WC7	Phys-ed Office	0.8 - 1.7	SA	11:56	ON	0.1891	0.9455	1.4183	0.0942
			Max			0.6868	3.4340	5.1510	0.3420
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:14	OFF	0.0744	0.3720	0.5580	0.0371
			Max			0.5004	2.5020	3.7530	0.2492
			Min			0.0000	0.0000	0.0000	0.0000
WC8	Room 1106	1.8 - 2.7	SA	12:06	ON	0.1263	0.6315	0.9473	0.0629
			Max			0.8083	4.0415	6.0623	0.4025
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:24	OFF	0.0997	0.4985	0.7478	0.0497
			Max			0.5004	2.5020	3.7530	0.2492
			Min			0.0000	0.0000	0.0000	0.0000
WC9	Science Office	1.8 - 2.7	SA	12:16	ON	0.1857	0.9285	1.3928	0.0925
			Max			0.8083	4.0415	6.0623	0.4025
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:33	OFF	0.0652	0.3260	0.4890	0.0325
			Max			0.5004	2.5020	3.7530	0.2492
			Min			0.0000	0.0000	0.0000	0.0000
WC10	Robotics Lab	1.8 - 2.7	SA	12:25	ON	0.1326	0.6630	0.9945	0.0660
			Max			0.8083	4.0415	6.0623	0.4025
			Min			0.0000	0.0000	0.0000	0.0000
			SA	17:41	OFF	0.1200	0.6000	0.9000	0.0598
			Max			0.5004	2.5020	3.7530	0.2492
			Min			0.0000	0.0000	0.0000	0.0000
WC11	Counselling Office	1.3 - 2.2	SA	12:35	ON	0.0785	0.3925	0.5888	0.0391
			Max			0.8083	4.0415	6.0623	0.4025
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:26	OFF	0.0084	0.0420	0.0630	0.0042
			Max			0.2238	1.1190	1.6785	0.1115
			Min			0.0000	0.0000	0.0000	0.0000
WC12	Cafeteria	1.8 - 2.7	SA	12:45	ON	0.0915	0.4575	0.6863	0.0456
			Max			0.8083	4.0415	6.0623	0.4025
			Min			0.0000	0.0000	0.0000	0.0000
			SA	16:34	OFF	0.0457	0.2285	0.3428	0.0228
			Max			0.3021	1.5105	2.2658	0.1504
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum

Table 23: Field Measurements
Western Canada High School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
WC13	Library	1.3 - 2.2	SA	13:55	ON	0.0631	0.3155	0.4733	0.0314
			Max			0.8083	4.0415	6.0623	0.4025
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:31	OFF	0.0279	0.1395	0.2093	0.0139
			Max			0.5004	2.5020	3.7530	0.2492
			Min			0.0000	0.0000	0.0000	0.0000
WC14	Room 244	1.3 - 2.2	SA	14:06	ON	0.1769	0.8845	1.3268	0.0881
			Max			0.8083	4.0415	6.0623	0.4025
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:21	OFF	0.1442	0.7210	1.0815	0.0718
			Max			0.5004	2.5020	3.7530	0.2492
			Min			0.0000	0.0000	0.0000	0.0000
WC15	Room 206	1.8 - 2.7	SA	13:44	ON	0.1277	0.6385	0.9578	0.0636
			Max			0.8083	4.0415	6.0623	0.4025
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:21	OFF	0.1581	0.7905	1.1858	0.0787
			Max			0.5004	2.5020	3.7530	0.2492
			Min			0.0000	0.0000	0.0000	0.0000
WC16	Room 326	1.3 - 2.2	SA	14:16	ON	0.1991	0.9955	1.4933	0.0992
			Max			0.8083	4.0415	6.0623	0.4025
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:11	OFF	0.1503	0.7515	1.1273	0.0748
			Max			0.5004	2.5020	3.7530	0.2492
			Min			0.0000	0.0000	0.0000	0.0000
WC17	Room 316	1.3 - 2.2	SA	14:26	ON	0.0876	0.4380	0.6570	0.0436
			Max			0.8083	4.0415	6.0623	0.4025
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:01	OFF	0.1135	0.5675	0.8513	0.0565
			Max			0.5004	2.5020	3.7530	0.2492
			Min			0.0000	0.0000	0.0000	0.0000
WC18	Room 332	1.3 - 2.2	SA	14:36	ON	0.0597	0.2985	0.4478	0.0297
			Max			0.8083	4.0415	6.0623	0.4025
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:52	OFF	0.0349	0.1745	0.2618	0.0174
			Max			0.5004	2.5020	3.7530	0.2492
			Min			0.0000	0.0000	0.0000	0.0000
WC19	Room 307	1.3 - 2.2	SA	14:48	ON	0.1475	0.7375	1.1063	0.0735
			Max			0.8083	4.0415	6.0623	0.4025
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:42	OFF	0.1245	0.6225	0.9338	0.0620
			Max			0.5004	2.5020	3.7530	0.2492
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum

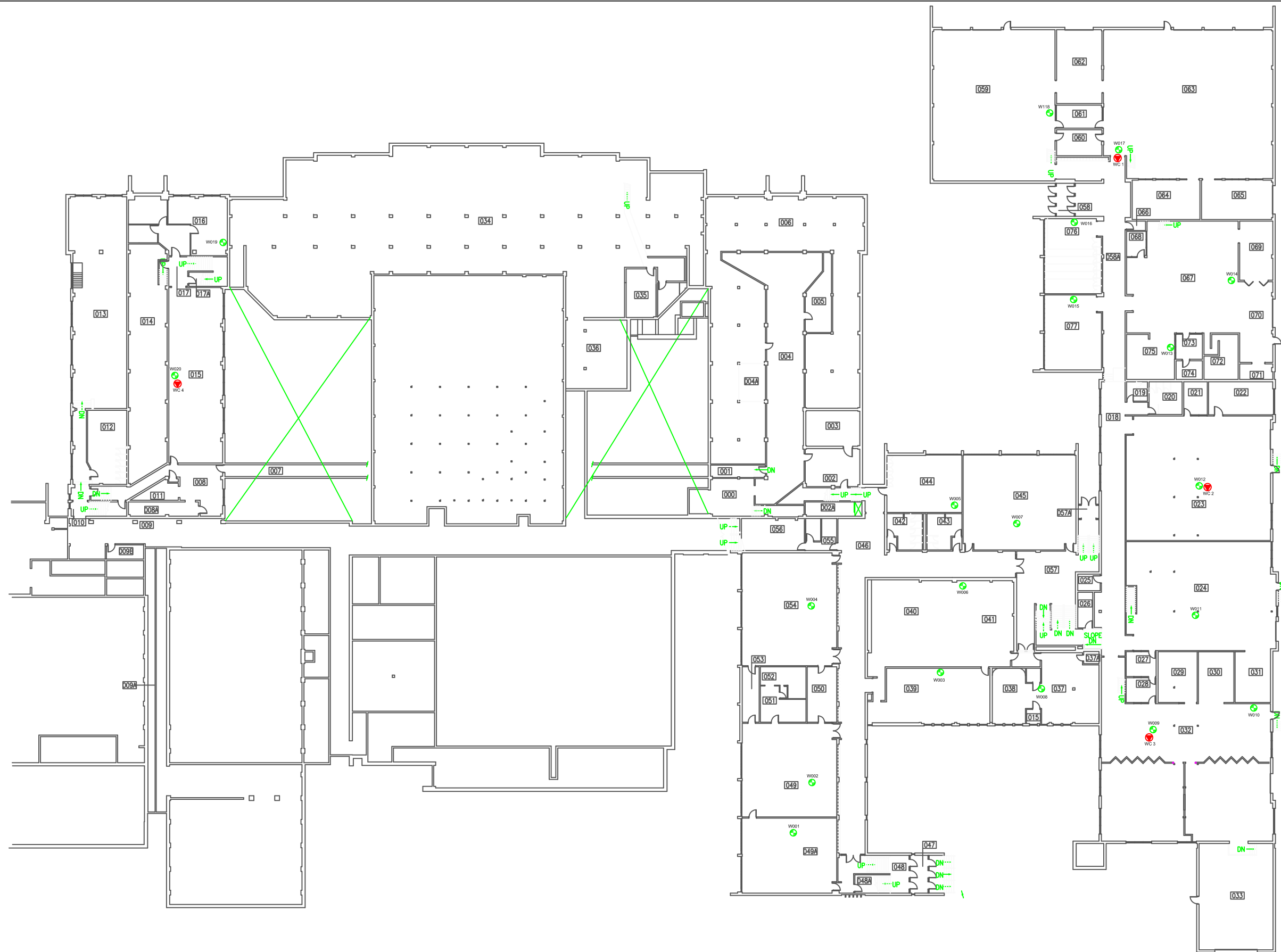


Scale: AS SHOWN
 Project No.: G2S14600B
 Date: MAY 2018
 Drawn by: EN/GB
 File name: CBE.DWG



WESTERN CANADA HIGH SCHOOL
ADDITIONAL (NOT WIFI) ELECTROMAGNETIC SOURCES
 CALGARY ONTARIO



Drawing No.
B23



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

**WESTERN CANADA HIGH SCHOOL- BASEMENT
 ELECTROMAGNETIC RADIATION (EMR) TESTING**

CALGARY

ALBERTA





Drawing No.

B23-1



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

**WESTERN CANADA HIGH SCHOOL- MAIN FLOOR
 ELECTROMAGNETIC RADIATION (EMR) TESTING**

CALGARY



ALBERTA



Drawing No.
B23-2



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

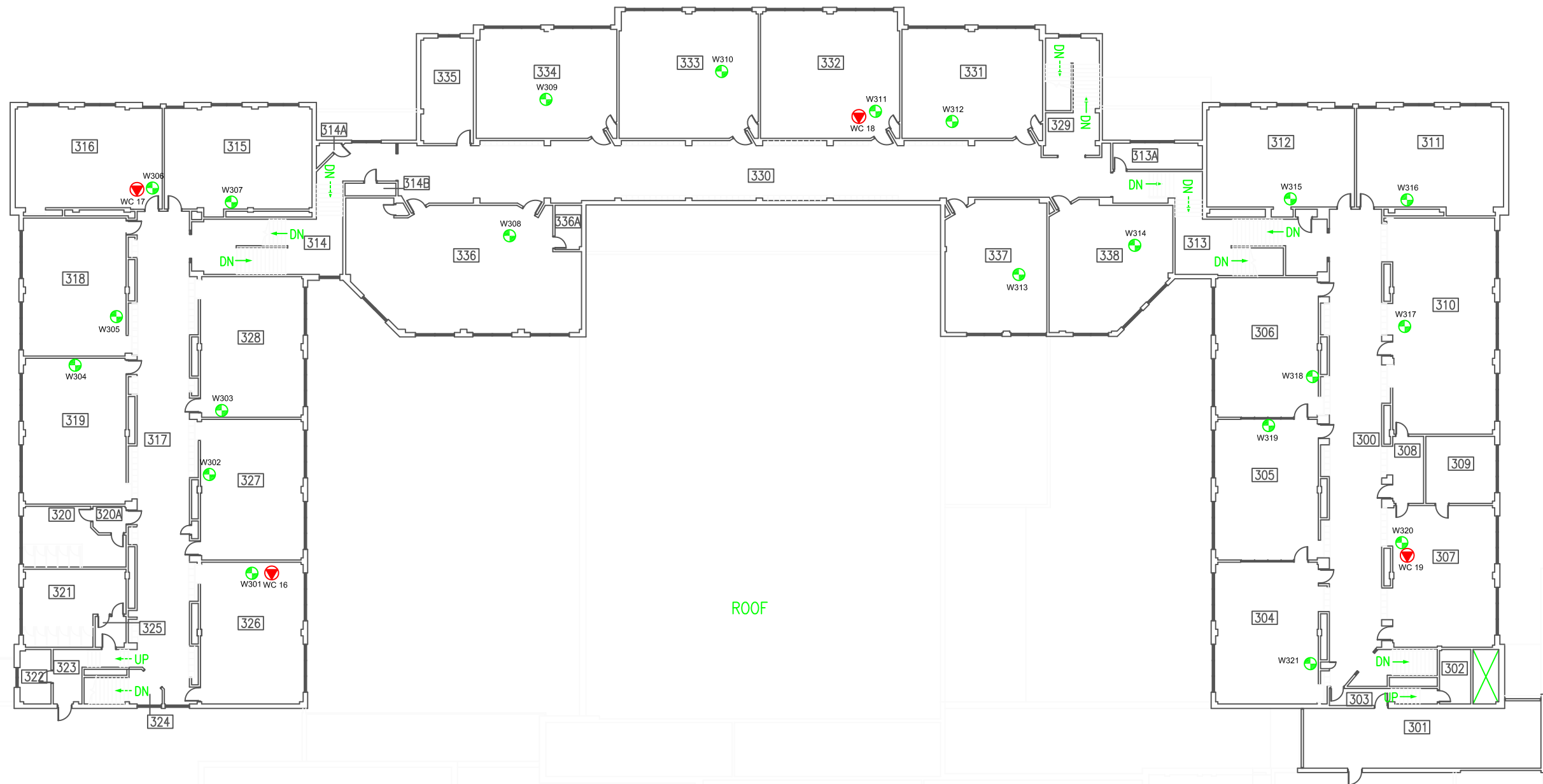
**WESTERN CANADA HIGH SCHOOL- SECOND FLOOR
 ELECTROMAGNETIC RADIATION (EMR) TESTING**

CALGARY



ALBERTA



Drawing No.
B23-3



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

**WESTERN CANADA HIGH SCHOOL- THIRD FLOOR
 ELECTROMAGNETIC RADIATION (EMR) TESTING**

CALGARY

ALBERTA



Drawing No.
B23-4

**Attachment B24
West Springs School**



Table 24: Field Measurements
West Springs School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
WS1	Hallway in Main Office	1.3 - 2.2	SA	10:07	ON	0.0336	0.1680	0.2520	0.0167
			Max			0.5116	2.5580	3.8370	0.2548
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:37	OFF	0.0965	0.4825	0.7238	0.0481
			Max			0.3610	1.8050	2.7075	0.1798
			Min			0.0000	0.0000	0.0000	0.0000
WS2	Foyer (Area 022)	0.8 - 1.7	SA	10:17	ON	0.0228	0.1140	0.1710	0.0114
			Max			0.5116	2.5580	3.8370	0.2548
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:46	OFF	0.1021	0.5105	0.7658	0.0508
			Max			0.4016	2.0080	3.0120	0.2000
			Min			0.0000	0.0000	0.0000	0.0000
WS3	Room 003	1.3 - 2.2	SA	10:28	ON	0.0845	0.4225	0.6338	0.0421
			Max			0.5116	2.5580	3.8370	0.2548
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:57	OFF	0.1119	0.5595	0.8393	0.0557
			Max			0.4494	2.2470	3.3705	0.2238
			Min			0.0000	0.0000	0.0000	0.0000
WS4	Room 001	1.3 - 2.2	SA	10:37	ON	0.0166	0.0830	0.1245	0.0083
			Max			0.5116	2.5580	3.8370	0.2548
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:06	OFF	0.1790	0.8950	1.3425	0.0891
			Max			0.4494	2.2470	3.3705	0.2238
			Min			0.0000	0.0000	0.0000	0.0000
WS5	Room T1770	1.3 - 2.2	SA	10:46	ON	0.0403	0.2015	0.3023	0.0201
			Max			0.5116	2.5580	3.8370	0.2548
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:17	OFF	0.0740	0.3700	0.5550	0.0369
			Max			0.4494	2.2470	3.3705	0.2238
			Min			0.0000	0.0000	0.0000	0.0000
WS6	Hallway by Room 035	1.3 - 2.2	SA	11:16	ON	0.0580	0.2900	0.4350	0.0289
			Max			0.5116	2.5580	3.8370	0.2548
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:46	OFF	0.0792	0.3960	0.5940	0.0394
			Max			0.4494	2.2470	3.3705	0.2238
			Min			0.0000	0.0000	0.0000	0.0000
WS7	Room T1767	1.3 - 2.2	SA	10:55	ON	0.0938	0.4690	0.7035	0.0467
			Max			0.5116	2.5580	3.8370	0.2548
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:28	OFF	0.0634	0.3170	0.4755	0.0316
			Max			0.4494	2.2470	3.3705	0.2238
			Min			0.0000	0.0000	0.0000	0.0000
WS8	Room T6415	1.3 - 2.2	SA	11:04	ON	0.0666	0.3330	0.4995	0.0332
			Max			0.5116	2.5580	3.8370	0.2548
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:37	OFF	0.0657	0.3285	0.4928	0.0327
			Max			0.4494	2.2470	3.3705	0.2238
			Min			0.0000	0.0000	0.0000	0.0000
WS9	Room 052	1.3 - 2.2	SA	9:57	ON	0.0267	0.1335	0.2003	0.0133
			Max			0.5116	2.5580	3.8370	0.2548
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:00	OFF	0.1445	0.7225	1.0838	0.0720
			Max			0.4494	2.2470	3.3705	0.2238
			Min			0.0000	0.0000	0.0000	0.0000
WS10	Room 055	1.3 - 2.2	SA	9:48	ON	0.0603	0.3015	0.4523	0.0300
			Max			0.5116	2.5580	3.8370	0.2548
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:09	OFF	0.0946	0.4730	0.7095	0.0471
			Max			0.4494	2.2470	3.3705	0.2238
			Min			0.0000	0.0000	0.0000	0.0000
WS11	Room T1774	0.8 - 1.7	SA	9:38	ON	0.0529	0.2645	0.3968	0.0263
			Max			0.5116	2.5580	3.8370	0.2548
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:29	OFF	0.0911	0.4555	0.6833	0.0454
			Max			0.4494	2.2470	3.3705	0.2238
			Min			0.0000	0.0000	0.0000	0.0000
WS12	Room T1775	1.3 - 2.2	SA	9:30	ON	0.0655	0.3275	0.4913	0.0326
			Max			0.3533	1.7665	2.6498	0.1759
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:19	OFF	0.1122	0.5610	0.8415	0.0559
			Max			0.4494	2.2470	3.3705	0.2238
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

**WEST SPRING SCHOOL - MAIN FLOOR
 ELECTROMAGNETIC RADIATION (EMR) TESTING**

CALGARY

ALBERTA



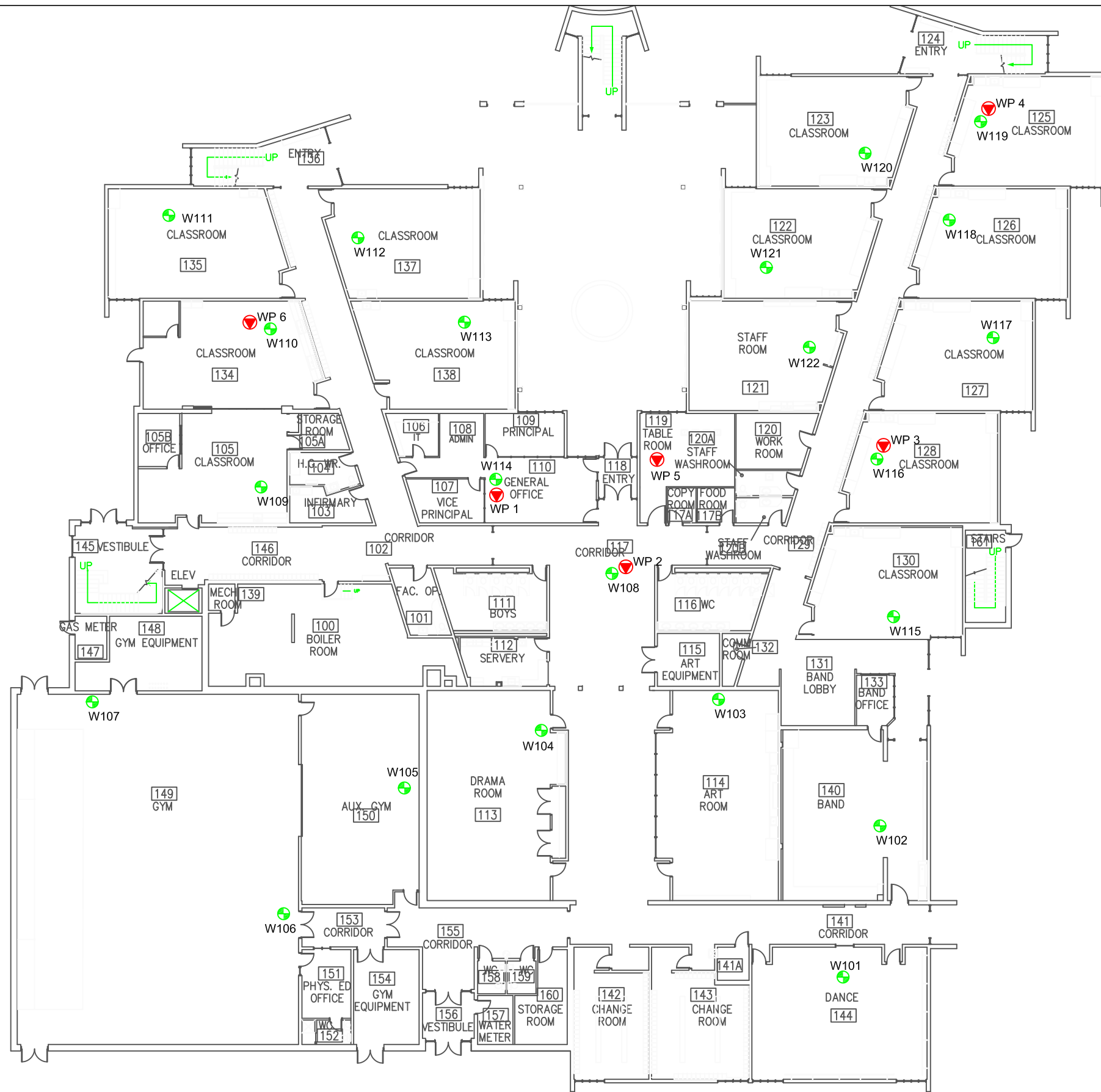
Drawing No.
B24-1

**Attachment B25
Willow Park School**



Table 25: Field Measurements
Willow Park School

Measurement I.D.	Location	Approximate Distance from Wi-Fi AP (m)	Sample Type	Time	Wi-Fi Computer Network	% of Safety Code 6 Limits (controlled)	% of Safety Code 6 Limits (uncontrolled)	% Safety Code 6 Limits (2015) (uncontrolled)	Power Density (uncontrolled) (W/m ²)
WP1	Main Office	1.3 - 2.2	SA	9:41	ON	0.0265	0.1325	0.1988	0.0132
			Max			0.5555	2.7775	4.1663	0.2766
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:49	OFF	0.0391	0.1955	0.2933	0.0195
			Max			0.3799	1.8995	2.8493	0.1892
			Min			0.0000	0.0000	0.0000	0.0000
WP2	Hallway by Room 116	0.5 - 1.4	SA	9:24	ON	0.0852	0.4260	0.6390	0.0424
			Max			0.5138	2.5690	3.8535	0.2559
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:56	OFF	0.0170	0.0850	0.1275	0.0085
			Max			0.3789	1.8945	2.8418	0.1887
			Min			0.0000	0.0000	0.0000	0.0000
WP3	Room 128	1.3 - 2.2	SA	9:15	ON	0.2035	1.0175	1.5263	0.1013
			Max			0.5138	2.5690	3.8535	0.2559
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:13	OFF	0.0920	0.4600	0.6900	0.0458
			Max			0.3789	1.8945	2.8418	0.1887
			Min			0.0000	0.0000	0.0000	0.0000
WP4	Room 125	1.3 - 2.2	SA	9:06	ON	0.0300	0.1500	0.2250	0.0149
			Max			0.1805	0.9025	1.3538	0.0899
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:21	OFF	0.0569	0.2845	0.4268	0.0283
			Max			0.3789	1.8945	2.8418	0.1887
			Min			0.0000	0.0000	0.0000	0.0000
WP5	Room 119	N/A	SA	9:33	ON	0.1382	0.6910	1.0365	0.0688
			Max			0.5138	2.5690	3.8535	0.2559
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:04	OFF	0.0411	0.2055	0.3083	0.0205
			Max			0.3789	1.8945	2.8418	0.1887
			Min			0.0000	0.0000	0.0000	0.0000
WP6	Room 134	1.3 - 2.2	SA	9:51	ON	0.0391	0.1955	0.2933	0.0195
			Max			0.5555	2.7775	4.1663	0.2766
			Min			0.0000	0.0000	0.0000	0.0000
			SA	18:40	OFF	0.0419	0.2095	0.3143	0.0209
			Max			0.3572	1.7860	2.6790	0.1779
			Min			0.0000	0.0000	0.0000	0.0000
WP7	Room 229	1.3 - 2.2	SA	10:01	ON	0.0778	0.3890	0.5835	0.0387
			Max			0.5555	2.7775	4.1663	0.2766
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:15	OFF	0.0557	0.2785	0.4178	0.0277
			Max			0.4476	2.2380	3.3570	0.2229
			Min			0.0000	0.0000	0.0000	0.0000
WP8	Room 201	1.3 - 2.2	SA	10:10	ON	0.0544	0.2720	0.4080	0.0271
			Max			0.5555	2.7775	4.1663	0.2766
			Min			0.0000	0.0000	0.0000	0.0000
			SA	20:07	OFF	0.0539	0.2695	0.4043	0.0268
			Max			0.4476	2.2380	3.3570	0.2229
			Min			0.0000	0.0000	0.0000	0.0000
WP9	Room 223	1.3 - 2.2	SA	10:37	ON	0.1196	0.5980	0.8970	0.0596
			Max			0.5555	2.7775	4.1663	0.2766
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:58	OFF	0.0760	0.3800	0.5700	0.0378
			Max			0.4476	2.2380	3.3570	0.2229
			Min			0.0000	0.0000	0.0000	0.0000
WP10	Room 212	0.8 - 1.7	SA	10:28	ON	0.1450	0.7250	1.0875	0.0722
			Max			0.5555	2.7775	4.1663	0.2766
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:40	OFF	0.0939	0.4695	0.7043	0.0468
			Max			0.3971	1.9855	2.9783	0.1978
			Min			0.0000	0.0000	0.0000	0.0000
WP11	Library	1.3 - 2.2	SA	10:19	ON	0.0905	0.4525	0.6788	0.0451
			Max			0.5555	2.7775	4.1663	0.2766
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:48	OFF	0.1122	0.5610	0.8415	0.0559
			Max			0.4476	2.2380	3.3570	0.2229
			Min			0.0000	0.0000	0.0000	0.0000
WP12	Room 217	1.3 - 2.2	SA	10:45	ON	0.0774	0.3870	0.5805	0.0385
			Max			0.5555	2.7775	4.1663	0.2766
			Min			0.0000	0.0000	0.0000	0.0000
			SA	19:31	OFF	0.0808	0.4040	0.6060	0.0402
			Max			0.3971	1.9855	2.9783	0.1978
			Min			0.0000	0.0000	0.0000	0.0000

AP = Access Point
 SA = Spatial Average
 Max = Maximum
 Min = Minimum



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

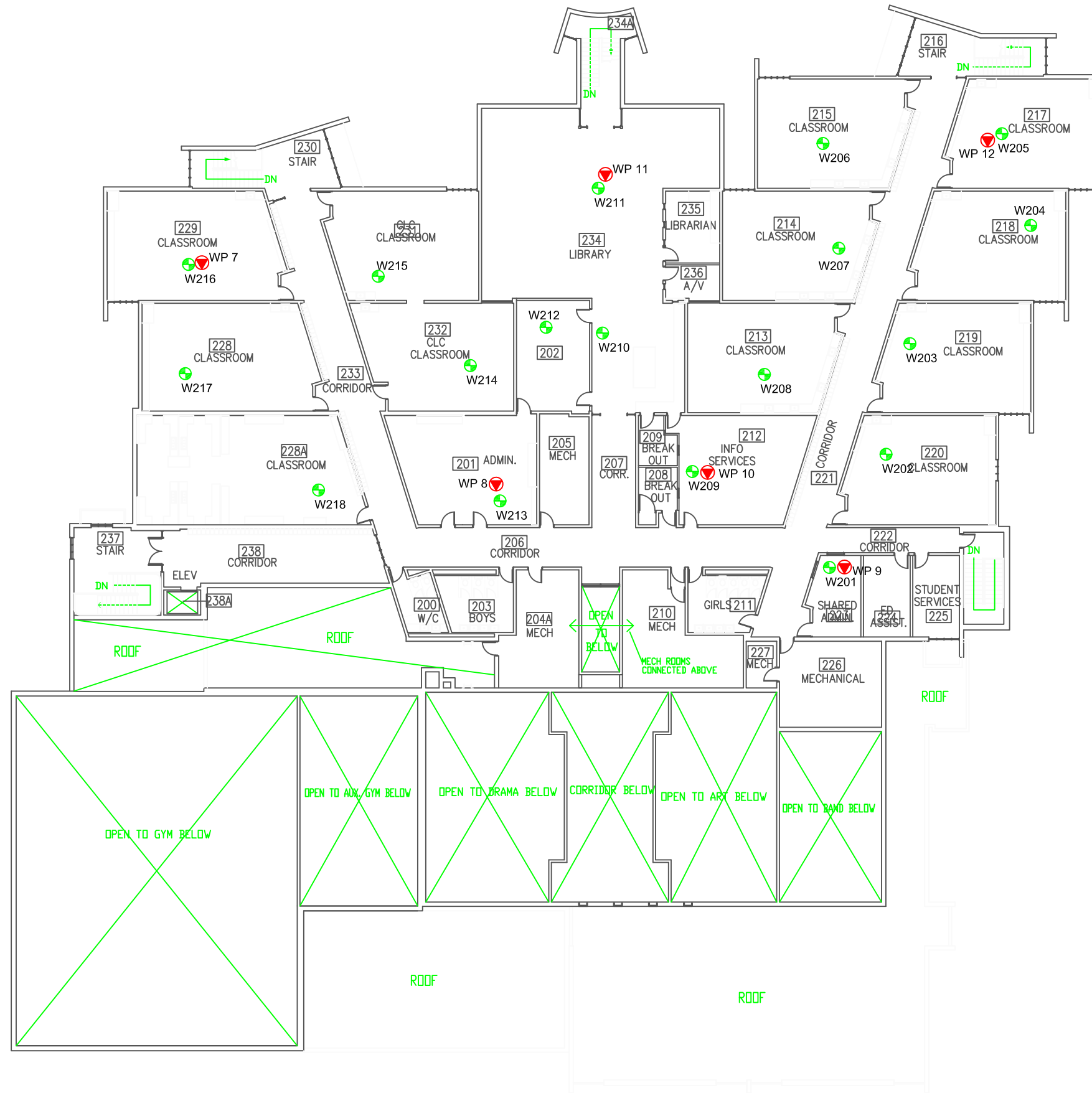
**WILLOW PARK SCHOOL - MAIN FLOOR
 ELECTROMAGNETIC RADIATION (EMR) TESTING**

CALGARY



ALBERTA



Drawing No.
B25-1



LEGEND

-  ACCESS POINT LOCATION AND IDENTIFICATION
-  SAMPLE LOCATION AND IDENTIFICATION

Scale: N.T.S.
 Project No.: G2S14600B
 Date: MARCH 2018
 Drawn by: SL/GB
 File name: CBE.dwg

**WILLOW PARK SCHOOL - SECOND FLOOR
 ELECTROMAGNETIC RADIATION (EMR) TESTING**

CALGARY

ALBERTA



Drawing No.
B25-2