

# Memo

To: Dr. Melanie Oppor; Board of Education  
From: Sam Mosey  
cc:  
Date: July 7, 2016  
Re: Summer IT Updates

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Please find below highlights in Information Technology so far this summer:

**Wi-Fi Upgrade:** It is my pleasure to report that the network upgrade is complete. Sixty-eight new wireless access points have been installed throughout the district. This time last year, the Wi-Fi in our buildings could allow for 500 mobile devices. As of today, we can support nearly 2,500. Completion of this project means our network is fully capable of handling the increased traffic from our 1:1 Chromebook initiative. See appendix 1 & 2 for a map of the access point locations at each building.

There are several more big leaps to take in our quest to provide more access to students. This year a plan is in motion to replace our current servers. These are the machines that provide us with the ability to log in to computers, print, share files, and access learning resources. All current core servers are out of warranty, so we will again be utilizing E-Rate to subsidize the cost of replacement. I will be receiving information on the actual amount our district has been allotted for 2016 within the next few months.

**Printers:** Good news on a few fronts. The 18 new printers/copiers were installed this past week. The EO Johnson team did a great job of setting up all the equipment and training our users. I look forward to building a positive relationship with our new managed print partner over the next several years. It will be exciting to see how the new system is received when all staff and students return.

Our print volume from the 2015-16 school year is way down from previous years. We did about 25,000 less color pages and 300,000 less B/W pages than last year. See appendix 3 for more details looking at our print volume year over year.

**New devices:** I met with Wisconsin's Dell K-12 representative this week to discuss the large investment our district will be making to implement 1:1 Chromebooks, replace office computers, and replace staff & student laptops. We will be heading in a different direction in terms of how we acquire computer equipment. It makes more sense to lease IT equipment because of how quickly technology improves. Instead of buying computers and Chromebooks, we will be leasing them on 36-month cycles. This allows us to acquire more devices at once, then send everything back at the end of the lease. At that time, we do have the option of a \$1 buyout of the equipment. Sending everything back means we don't have to worry about the cost of recycling all of our old equipment. We would be able to start a new lease right away with all new equipment at the end of the term. Another benefit of leasing is financial. There are no huge surprises year to year, because we are always on a 3-year rotation, paying the same amount each year for the equipment. This will allow us to plan much further ahead as we develop the technology budget.

**Inventory:** The summer has provided some time for me to continue to develop a comprehensive technology inventory. Having a full inventory in a single file is very beneficial for me in terms of troubleshooting many types of technical issues, developing life-cycle rotations, and budget planning. I will continue to work on the inventory as I set up each classroom for the upcoming school year. Upon completion, the "master" inventory document will be added to a complete IT infrastructure disaster recovery plan, which I hope to have completed by this time next year.

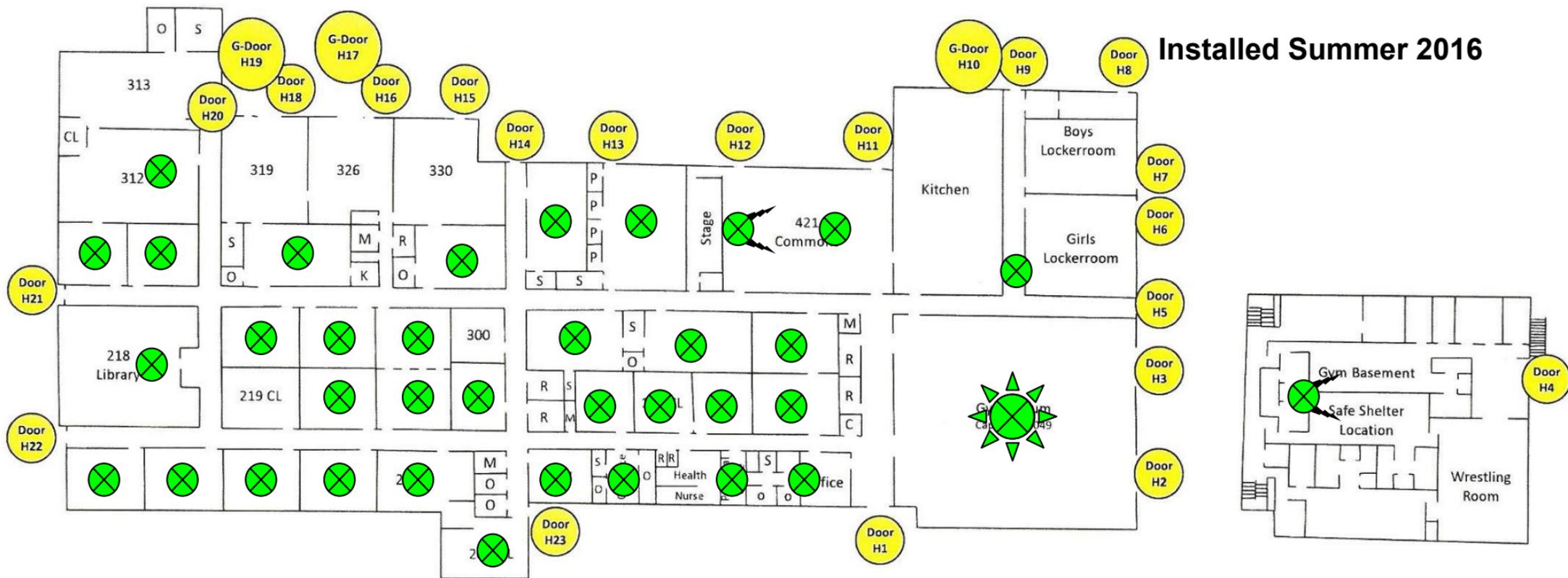
# Appendix 1

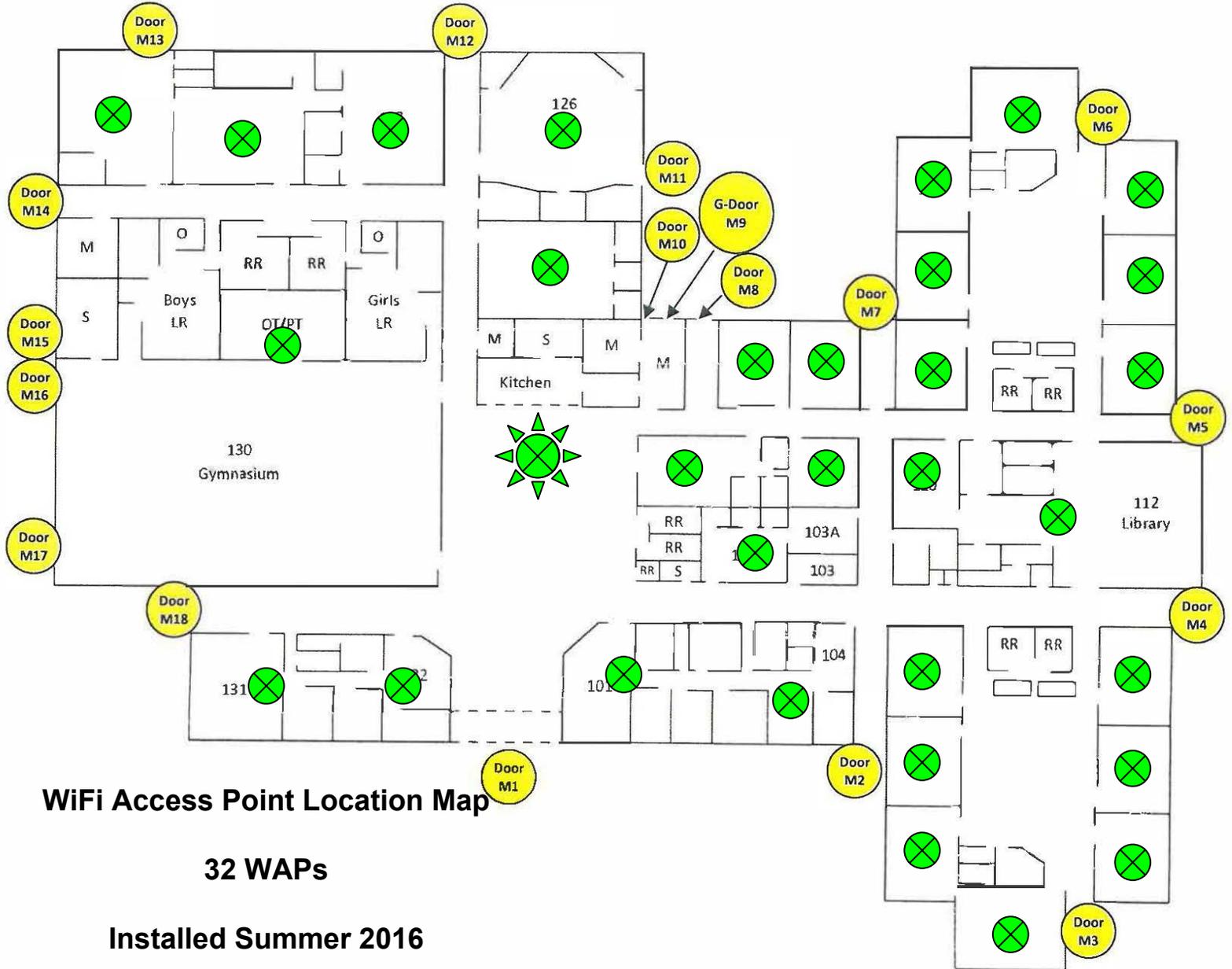
Little Wolf Jr/Sr High School  
515 E. Fourth Street • Manawa, WI 54949  
Map of the Building

## WiFi Access Point Location Map

36 WAPs

Installed Summer 2016





**WiFi Access Point Location Map**

**32 WAPs**

**Installed Summer 2016**

<b>Appendix 3</b>					
<b>Printer Usage</b>	<b>Year over Year Comparison</b>				
<b>Baurenfeind Contract</b>	<b>B/W</b>	<b>1,850,000</b>			
	<b>Color</b>	<b>60,000</b>			
<b>Year</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>Total B/W</b>	1,931,419	1,914,318	1,874,145	1,910,707	1,614,908
<b>Total Color</b>	85,322	52,123	88,721	87,175	62,351
Difference from Contract B/W	81,419	64,318	24,145	60,707	-235,092
Difference from Contract Color	25,322	-7,877	28,721	27,175	2,351
YoY Difference B/W		17,101	40,173	-36,562	295,799
YoY Difference Color		33,199	-36,598	1,546	24,824