

Thank you for considering this project. Below are a few points I believe will add a little clarity to the scope of work expected.

We currently have 32 Fortinet access points managed by a Fortigate 310B controller. The access points are dispersed around the building, 1 in every other classroom. The diagram attached below (Not to scale) represents the layout of the current configuration, the desired or suggested new configuration and where the highest concentration of devices will be. Use the following key to decipher the diagram.

	Classrooms (20-30 wireless users/devices)
	Offices Individual administrative offices
	Large Users Space (60+wireless users/devices)
	No Users Zone
	Data closets containing switches
X ()	Existing wiring available
N ()	New wiring needed

Our goal is to be able to provide a reliable wifi experience for our users. We will be expanding our inventory from 390 Chromebooks for our 9th & 10th grade students to 540 chromebooks for 9th-11th grade students. Our external bandwidth will change from 200 MB to 400 MB via dedicated fiber. The proposed system must allow:

- Integration with Active Directory services on Server 2008 RT.
- User Authentication through Active directory or through a radius server for WPA2 Enterprise Encryption
- Management of individual access points
- Manage users/clients connected to the respective APs
- Easily configure & manage multiple SSIDs

where the highest concentration of devices will be

There will be walk-through opportunities, Wednesday, March 29th from 1pm - 5pm please contact Marc Wilson via mwilson@imhotepcharter.org to schedule your tour. Also there is a Q & A document on the school's website intended to list any questions that have been asked and answered from all interested parties. <http://www.imhotephighschool.com>. Look for **ERATE Q&A**

1st Floor Layout

	149 X(16)	148 N(15)	147 A	147 X(14)	146 N(13)	Janitor	Auto Shop	144 N(11)	143 X(10)	Kitchen
										Nubia Café X(7) X(8) N(9)
	Parents							IDF 1A		
	SpEd	Boys	KUSH X(18) X(19) N(20)				Dance Studio	Boys Bathroom		
	Teacher X(17)						Boys Locker			
	School Police	Girls					Girls Locker	Girls Bathroom		
							Lounge (IDF 1)	Weight Room		
	Nurse								Stage	
	Conference Room X(1)	Office	121	120	119	118	117		Media	Library X(5) X(6)
			X(2)		X(3)		N(4)	113	Coyal	
	105	106	107	108	109	110	111	112	Office	

2nd Floor Layout

