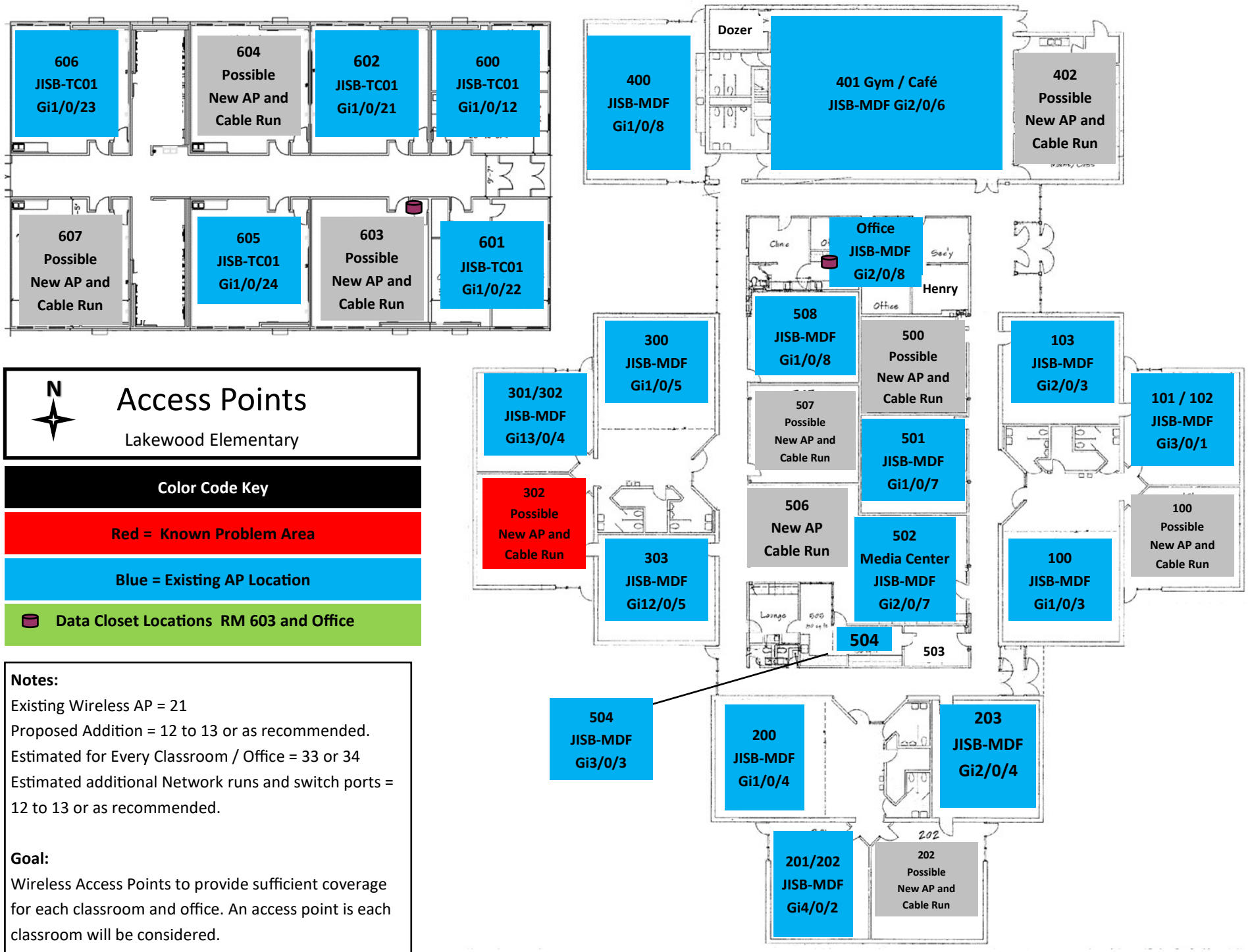


N

Access Points

Lakewood Elementary

Color Code Key

Red = Known Problem Area

Blue = Existing AP Location

Data Closet Locations RM 603 and Office

Notes:

Existing Wireless AP = 21

Proposed Addition = 12 to 13 or as recommended.

Estimated for Every Classroom / Office = 33 or 34

Estimated additional Network runs and switch ports = 12 to 13 or as recommended.

Goal:

Wireless Access Points to provide sufficient coverage for each classroom and office. An access point is each classroom will be considered.

Access Points

Lakewood High School (First Floor)

Color Code Key

Red = Known Problem Area

Blue = Existing AP Location

Data Closet Locations indicated by Icon

Notes:

Existing Wireless AP = 21

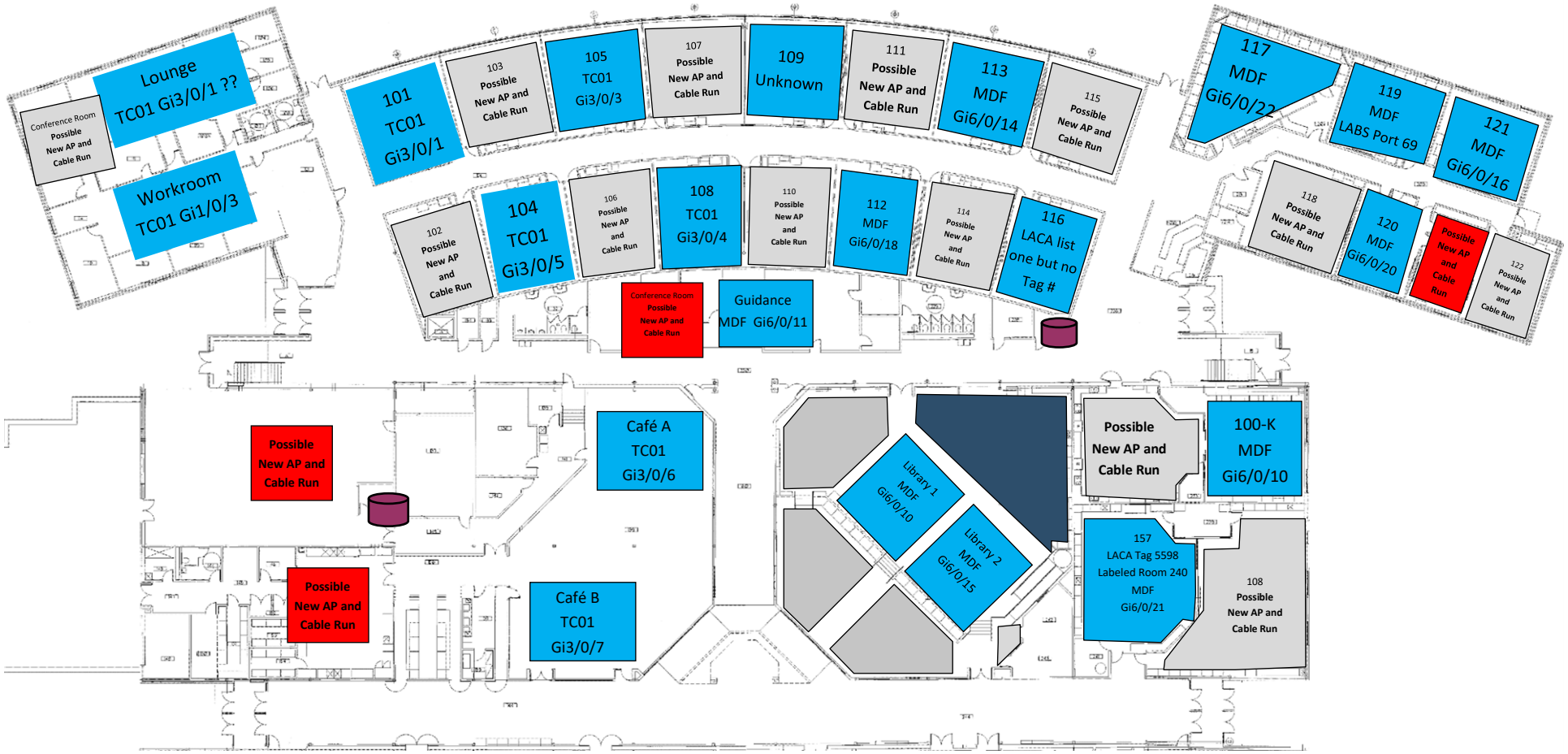
Proposed Addition = 14 to 15

Estimated for Every Classroom / Office = 35 or 36

Estimated additional Network runs and switch ports = 15 to 16

Goal:

Wireless Access Points to provide sufficient coverage for each classroom and office. An access point is each classroom will be considered.



Access Points

Lakewood High School (Second Floor)

Color Code Key

Red = Known Problem Area

Blue = Existing AP Location

Data Closet Locations indicated by Icon

Notes:

Existing Wireless AP = 9

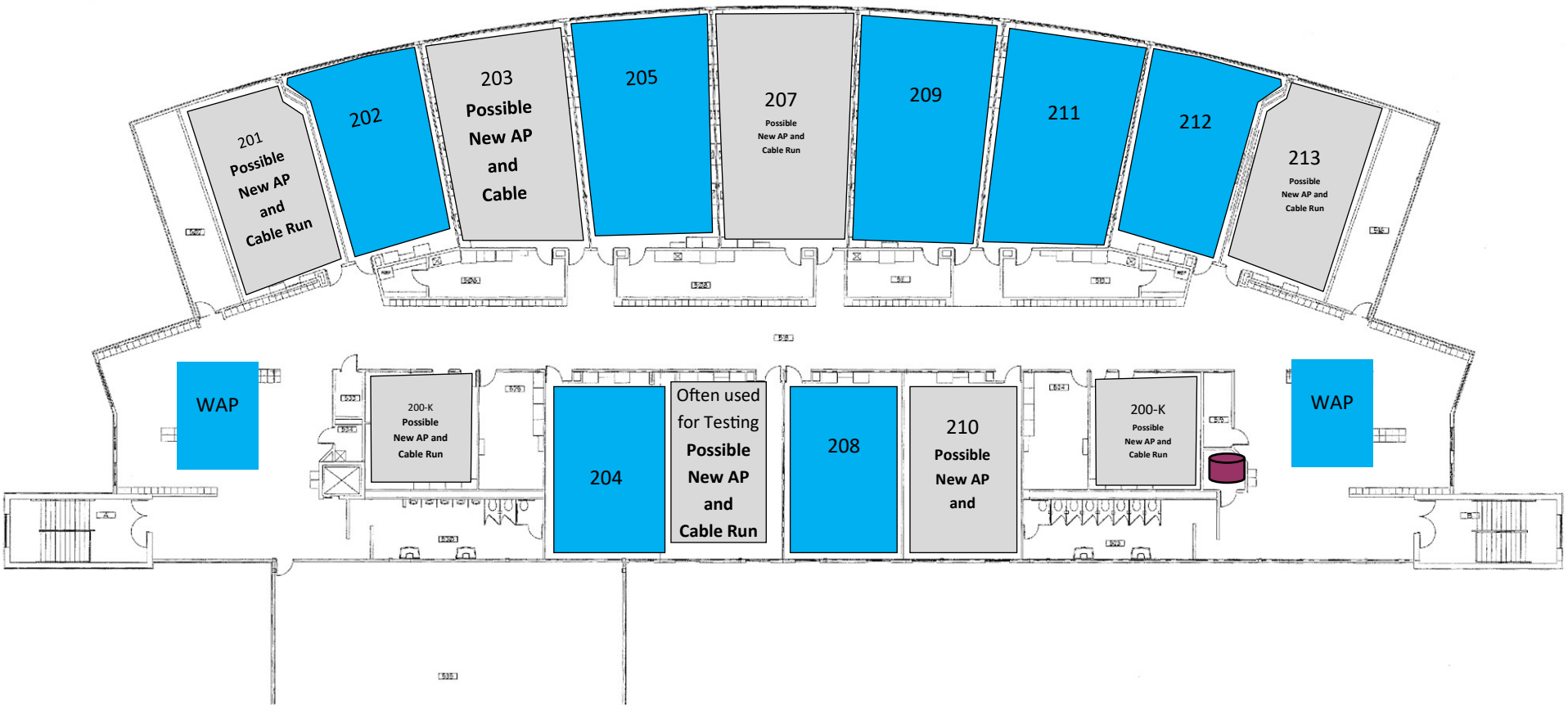
Proposed Addition = 7 or 8 or as recommended.

Estimated for Every Classroom / Office = 16 or 17

Estimated additional Network runs and switch ports = 7 or 8 or as recommended.

Goal:

Wireless Access Points to provide sufficient coverage for each classroom and office. An access point is each classroom will be considered.



Access Points

Lakewood High School (PAC, Gyms, Innovation)

Color Code Key

Red = Known Problem Area

Blue = Existing AP Location

Data Closet Locations indicated by Icon

Notes:

Existing Wireless AP = 10

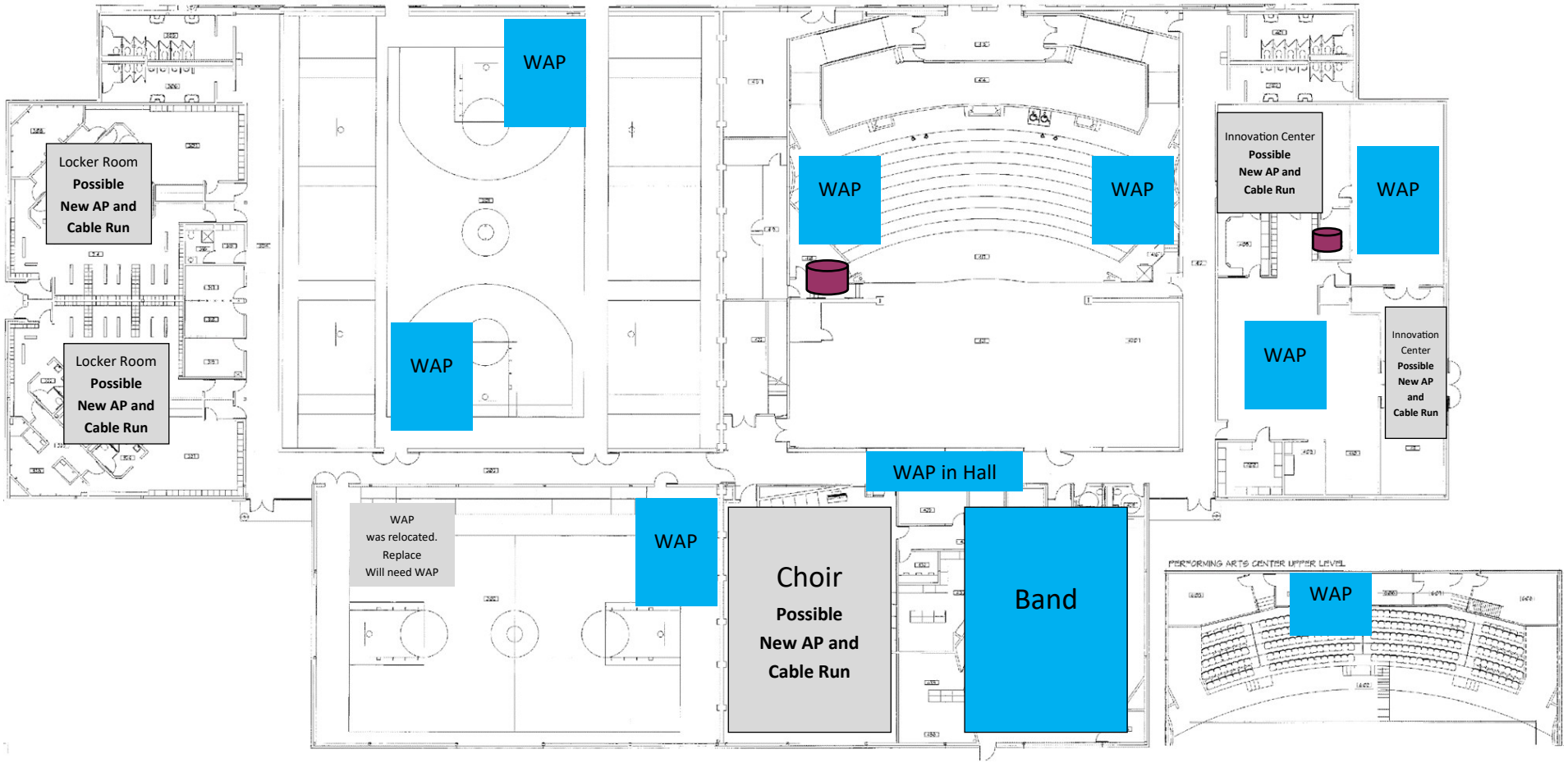
Proposed Addition = 4 or 6 if added to locker rooms or as recommended.

Estimated for Every Classroom / Office = 14 or 16

Estimated additional Network runs and switch ports = 4 or 6 or as recommended.

Goal:

Wireless Access Points to provide sufficient coverage for each classroom and office. An access point is each classroom will be considered.



Access Points

Lakewood Middle School

N

Color Code Key

Red = Known Problem Area

Blue = Existing AP Location

Data Closet Locations indicated by Icon

Notes:

Existing Wireless AP = 27

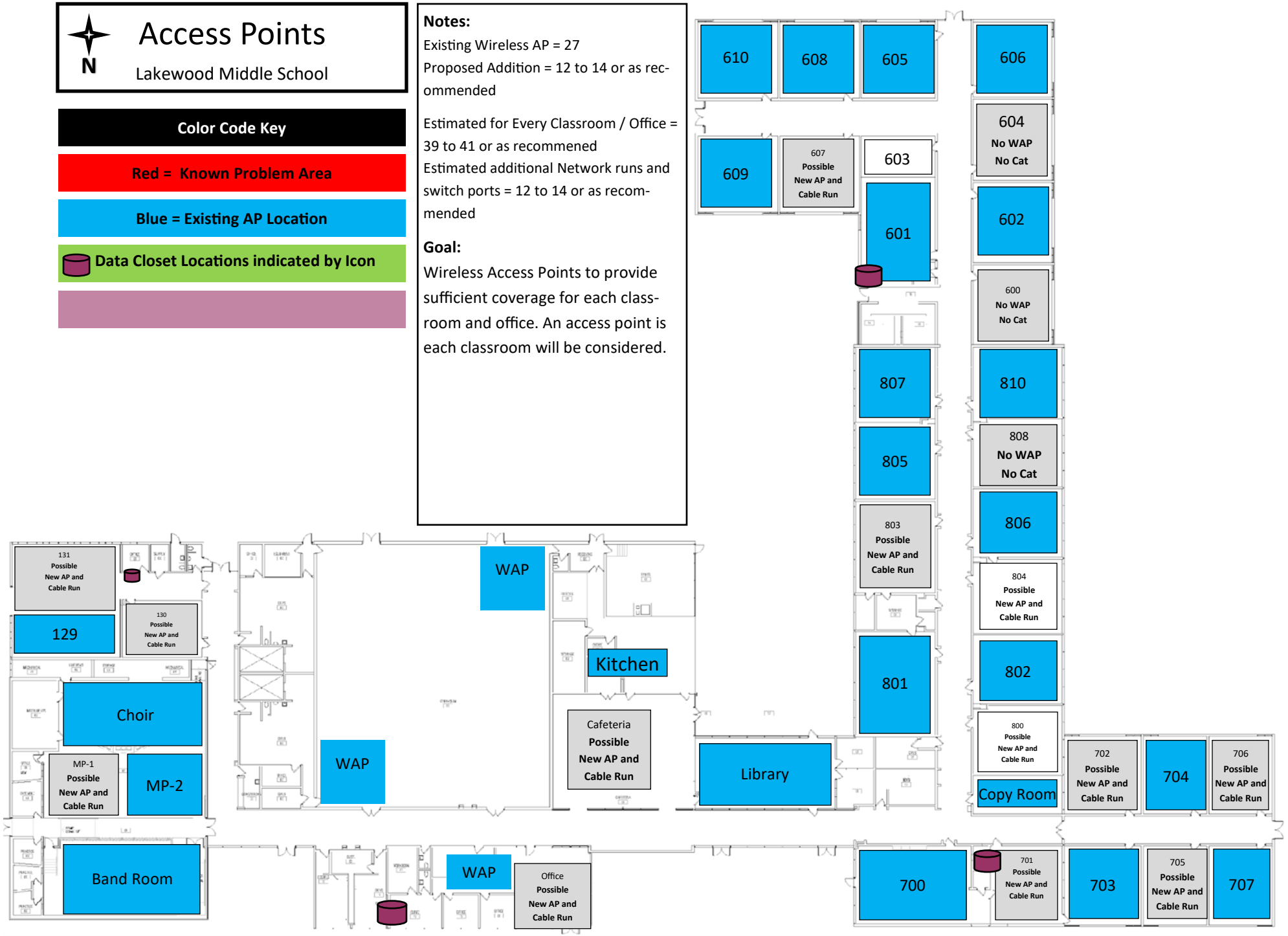
Proposed Addition = 12 to 14 or as recommended

Estimated for Every Classroom / Office = 39 to 41 or as recommened

Estimated additional Network runs and switch ports = 12 to 14 or as recommended

Goal:

Wireless Access Points to provide sufficient coverage for each classroom and office. An access point is each classroom will be considered.



Access Points

Jackson Intermediate

Color Code Key

Red = Known Problem Area

Blue = Existing AP Location

Data Closet Locations indicated by Icon

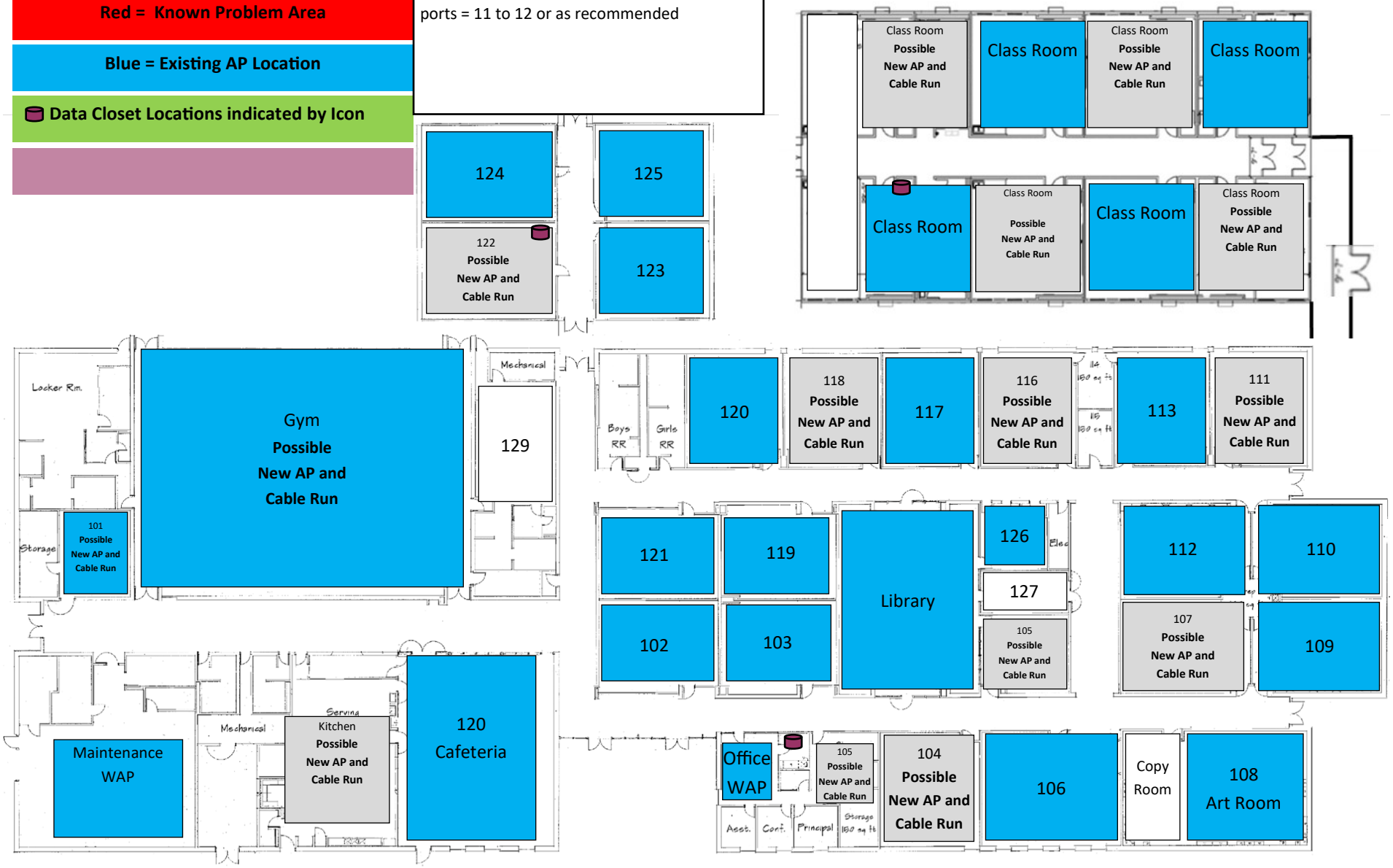
Notes:

Existing Wireless AP = 26

Proposed Addition = 11 or 12

Estimated for Every Classroom / Office = 37 or 38 or as recommended

Estimated additional Network runs and switch ports = 11 to 12 or as recommended



Other Areas (NIF) needing access points.

Bus Garage = 1
District Office = 1 I Increase to 2, will need 1 cable run
Press Box = 1 No change
Concession Building = 1 No Change
Blue Athletic Building = 1 No Change

Existing Totals

Existing AP = 119 **Shown in Meraki =** 116 so there is a discrepancy of 3
Break Down of Types : MR44 = 101 MR56 = 15

Estimated Additional Access Points

LES = 12 to 13 minimum
LHS 1st Floor Main = 14 to 15 minimum
LHS 2nd Floor = 7 to 8 minimum
LHS Athletic and Band = 4 to 6 minimum
LMS = 12 to 14 minimum
JIS = 11 to 12 minimum
Central Office = 1 minimum

Total Additional = 61 to 69 minimum
Total New Network Runs = 61 to 69 minimum

Switches: Cisco Catalyst 9200L series — C9200L-24P-4X (24-port) and C9200L-48P-4X (48-port). All access ports support PoE+ (up to 30 W per port); PoE++ is not supported.