Wireless Information Networks, Inc.

Makers of MobiLAN ONE

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Fax 630-455-4551
www.877MobiLAN.com

| | | |
|---|---|---|
| Project Name: | Prairie Hills School District 144 | |
| Account Executive: | Tom Crotty | |
| Project Manager: | Tom Pedergnana | |
| Site Survey Team: | Tom Pedergnana | Ken Pastore |
| Design Engineers: | Tom Pedergnana | Ken Pastore |
| Project Engineers: | Ken Pastore | Dave Downs |
| | Anthony Babb | |

## Logical Diagram Overview - AP Mounting Locations
## PHJH/PAC School

The following diagram illustrates the 27 AP mounting locations required to provide full roaming wireless network access through the PHJH/PAC School building. A total of 44 Cisco dipole antennas (two antennas per AP are represented by circles) and 5 patch antennas (represented by arrows) will be required to provide coverage for the PHJH/PAC School. A combination of dipole and directional antennas were used to minimize the number of AP's required to achieve seamless full roaming coverage of PHJH/PAC School.

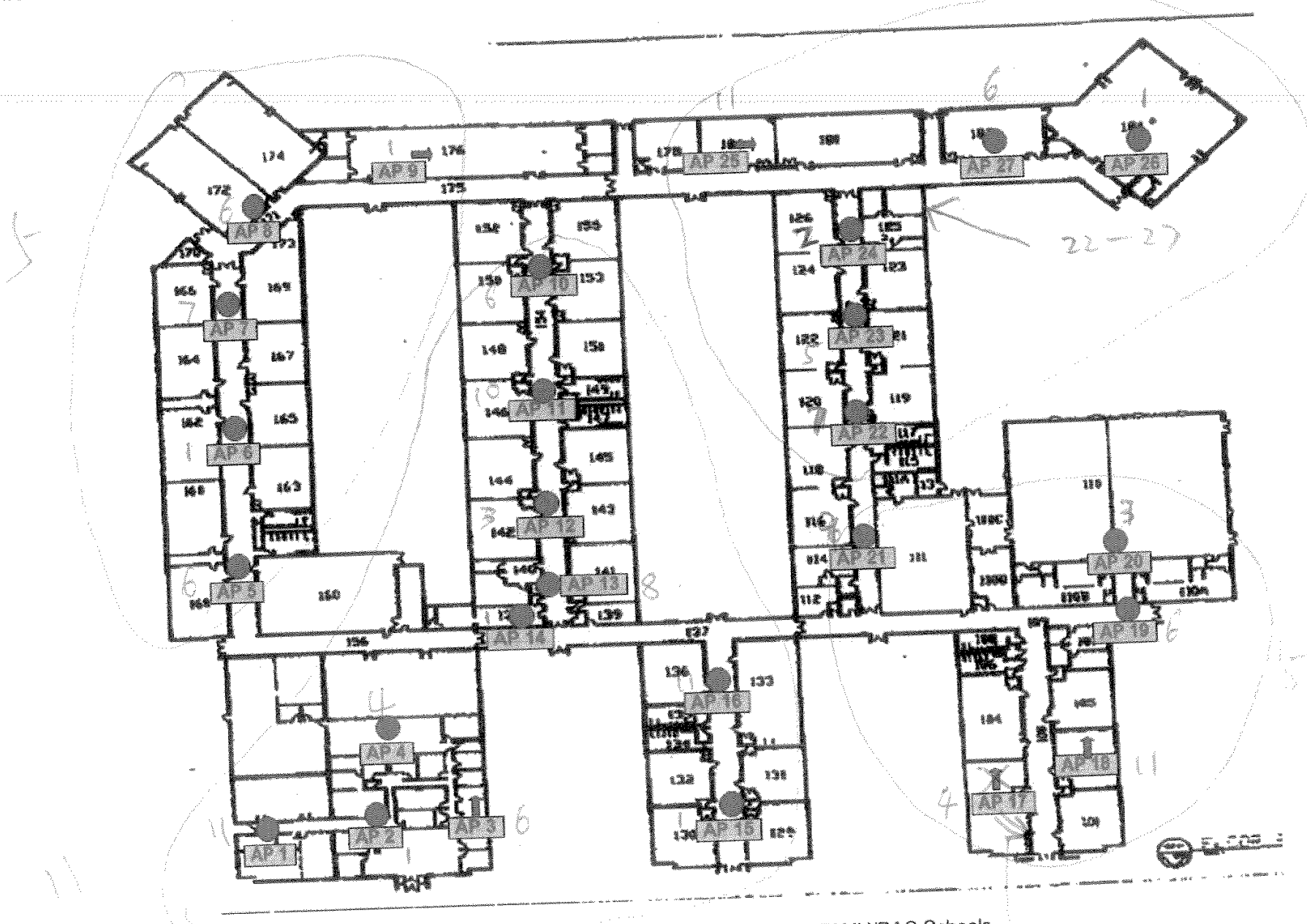



Figure 1: Overview of AP's required for the PHJH/PAC Schools

11 — setup
9 — Tsunami
6 — non breeders

change Antenna Angle to face room 101.

5/17/10.

## Logical Diagram Overview - AP Mounting Locations
## Chateaux School

The following diagram illustrates the 7 AP mounting locations required to provide full roaming wireless network access throughout Chateaux School. A total of 14 Cisco dipole antennas (two antennas per AP are represented by circles) will be required to provide coverage for Chateaux School. Only dipole antennas were used to minimize the number of AP's required to achieve seamless full roaming coverage of Chateaux School.

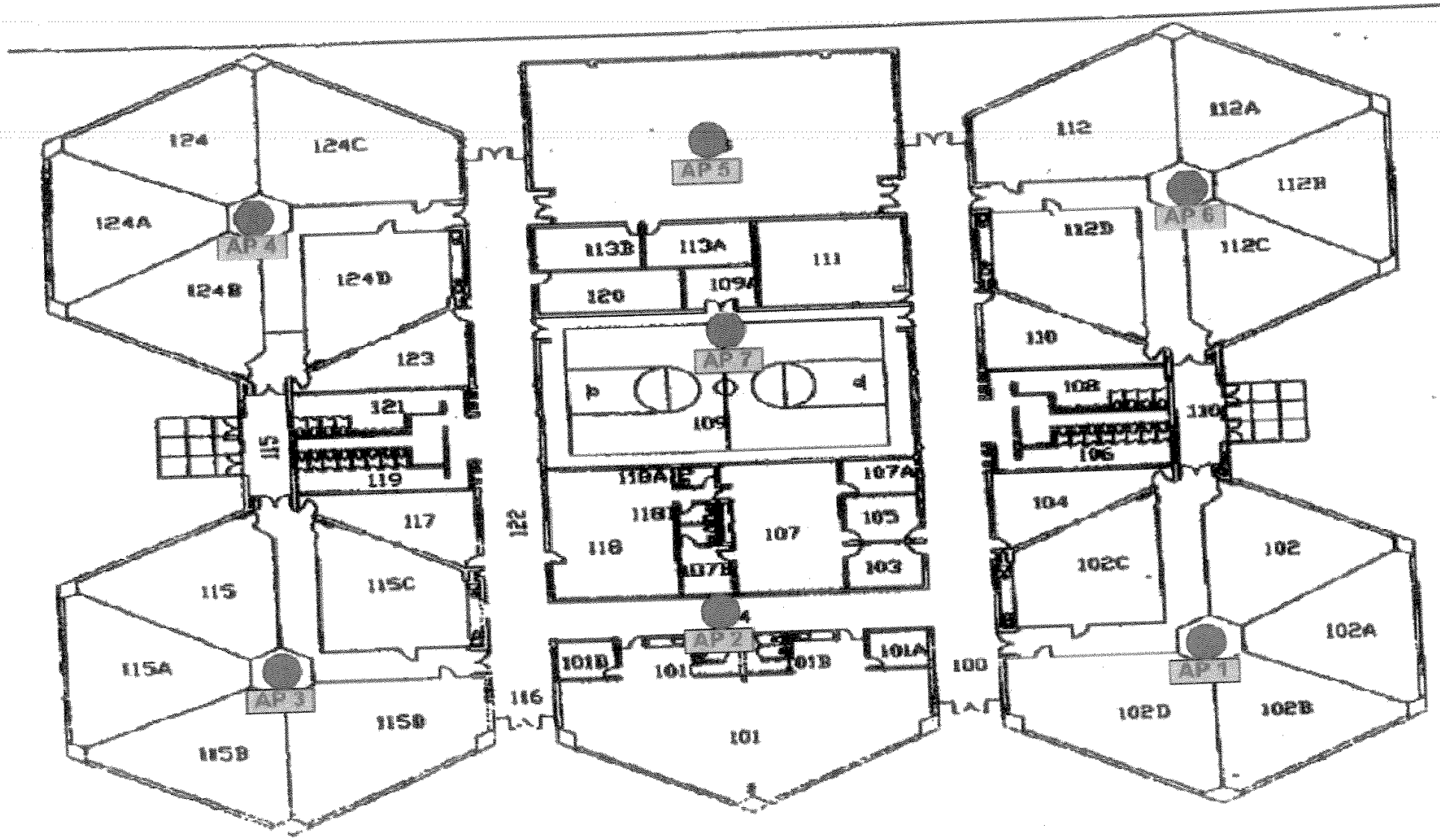



Figure 4: Overview of AP's required for the Chateaux School

## Logical Diagram Overview - AP Mounting Locations
## Fieldcrest School

The following diagram illustrates the 10 AP mounting locations required to provide full roaming wireless network access throughout Fieldcrest School. A total of 8 Cisco dipole antennas (two antennas per AP are represented by circles) and 6 patch antennas (represented by arrows) will be required to provide coverage for the Fieldcrest School. A combination of dipole and directional antennas were used to minimize the number of AP's required to achieve seamless full roaming coverage of Fieldcrest School.

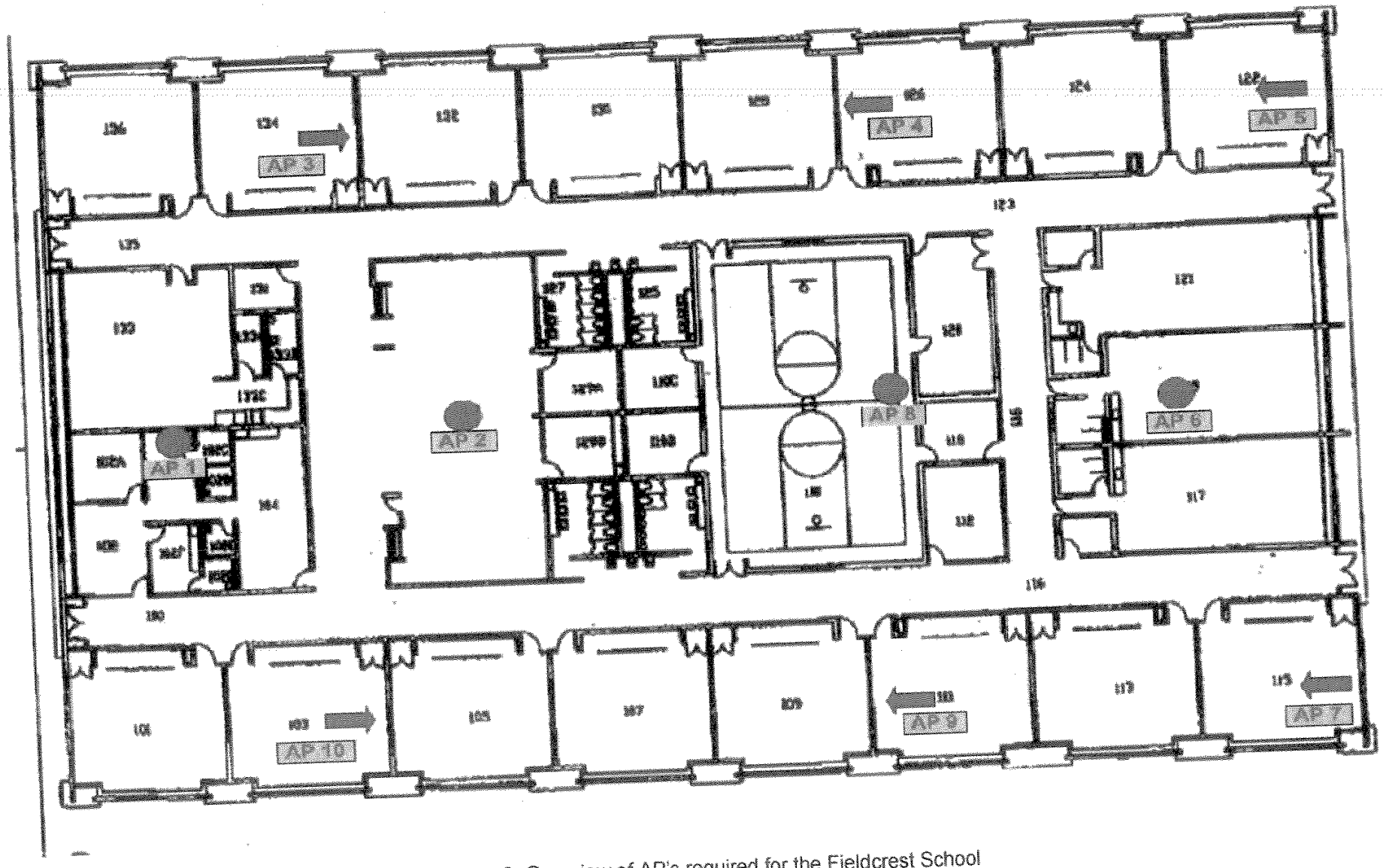



Figure 8: Overview of AP's required for the Fieldcrest School

## Logical Diagram Overview - AP Mounting Locations
## Highlands School

The following diagram illustrates the 10 AP mounting locations required to provide full roaming wireless network access throughout Highlands School. A total of 12 Cisco dipole antennas (two antennas per AP are represented by circles) and 4 patch antennas (represented by arrows) will be required to provide coverage for the Highlands School. A combination of dipole and directional antennas were used to minimize the number of AP's required to achieve seamless full roaming coverage of Highlands School.

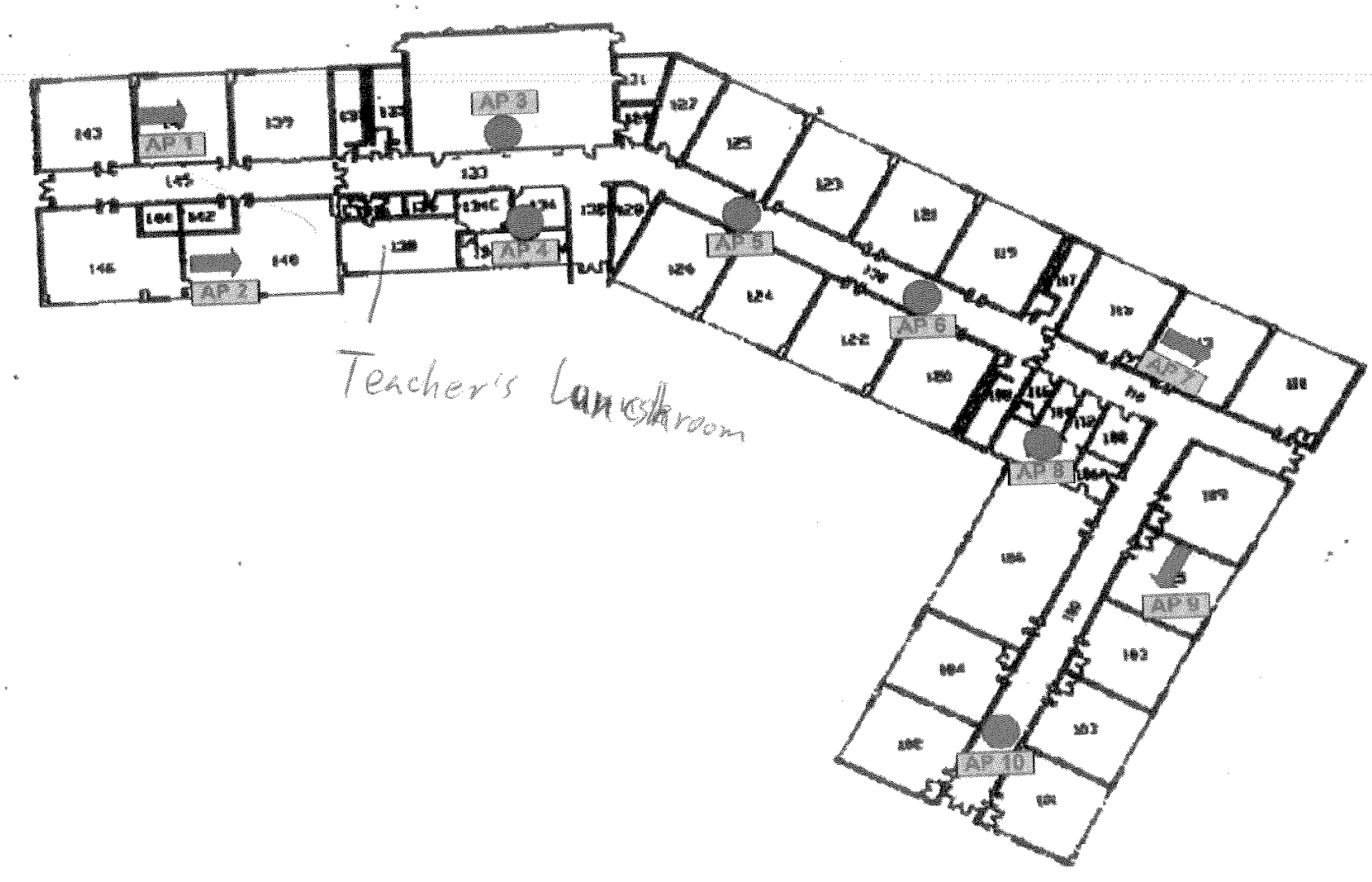



Figure 7: Overview of AP's required for the Highlands School.

## Logical Diagram Overviews - AP Mounting Locations
## Mae Jemison School – First Floor

The following diagram illustrates the 12 AP mounting locations required to provide full roaming wireless network access throughout both floors of the Mae Jemison School building. A total of 24 Cisco dipole antennas (two antennas per AP are represented by circles) will be required to provide coverage for Mae Jemison School. Only dipole antennas were used to minimize the number of AP's required to achieve seamless full roaming coverage of Mae Jemison School.

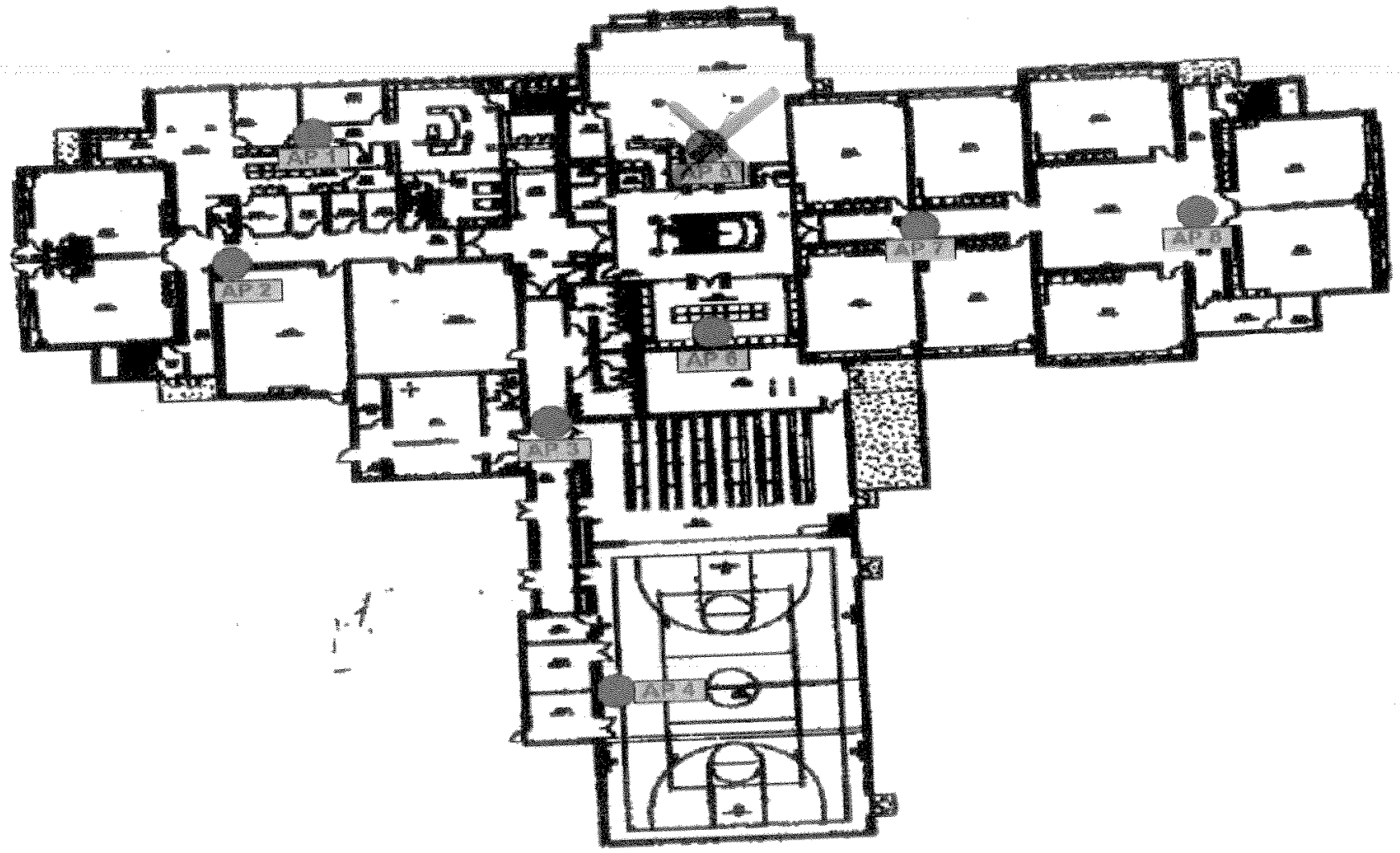



Figure 2: Overview of AP's required for the Mae Jemison School

## Mae Jemison School – Second Floor

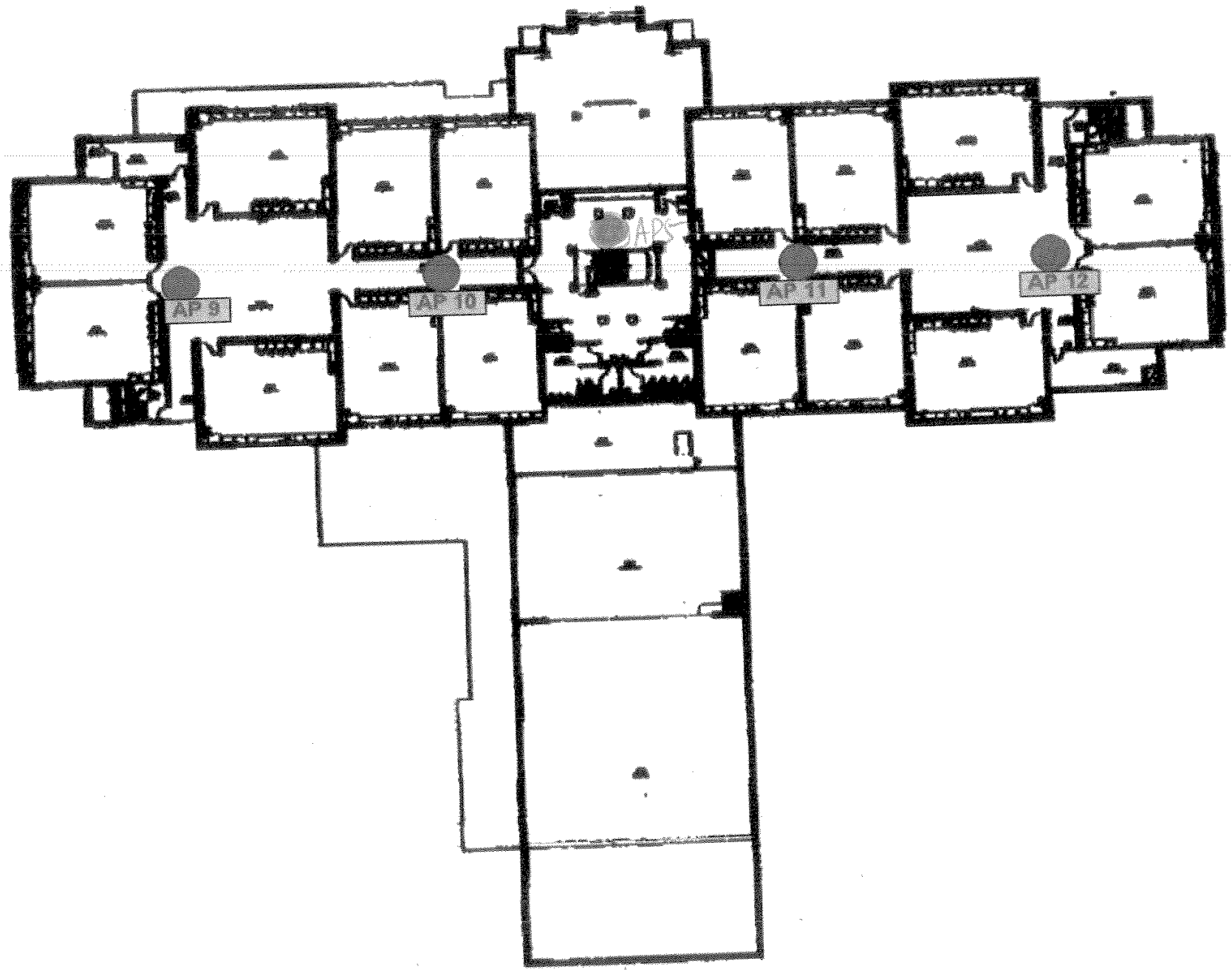



Figure 3: Overview of AP's required for the Mae Jemison School

## Logical Diagram Overview - AP Mounting Locations
## Markham Park School

The following diagram illustrates the 9 AP mounting locations required to provide full roaming wireless network access throughout Markham Park School. A total of 18 Cisco dipole antennas (two antennas per AP are represented by circles) will be required to provide coverage for Markham Park School. Only dipole antennas were used to minimize the number of AP's required to achieve seamless full roaming coverage of Markham Park School.

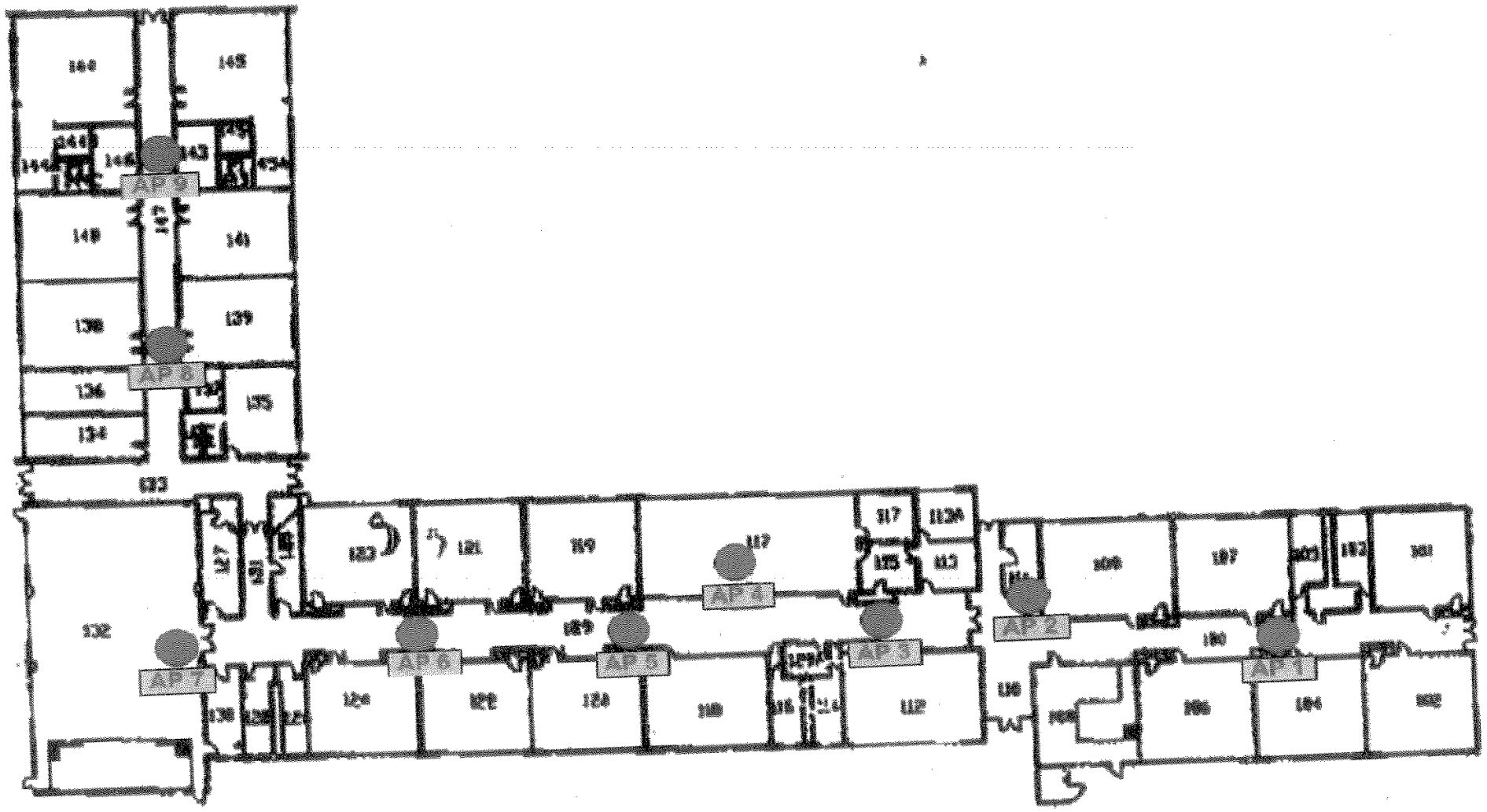



Figure 5: Overview of AP's required for the Markham Park School

## Logical Diagram Overview - AP Mounting Locations
## Nob Hill School

The following diagram illustrates the 8 AP mounting locations required to provide full roaming wireless network access throughout Markham Park School. A total of 8 Cisco dipole antennas (two antennas per AP are represented by circles) and 4 patch antennas (represented by arrows) will be required to provide coverage for the Nob Hill School. A combination of dipole and directional antennas were used to minimize the number of AP's required to achieve seamless full roaming coverage of Nob Hill School.

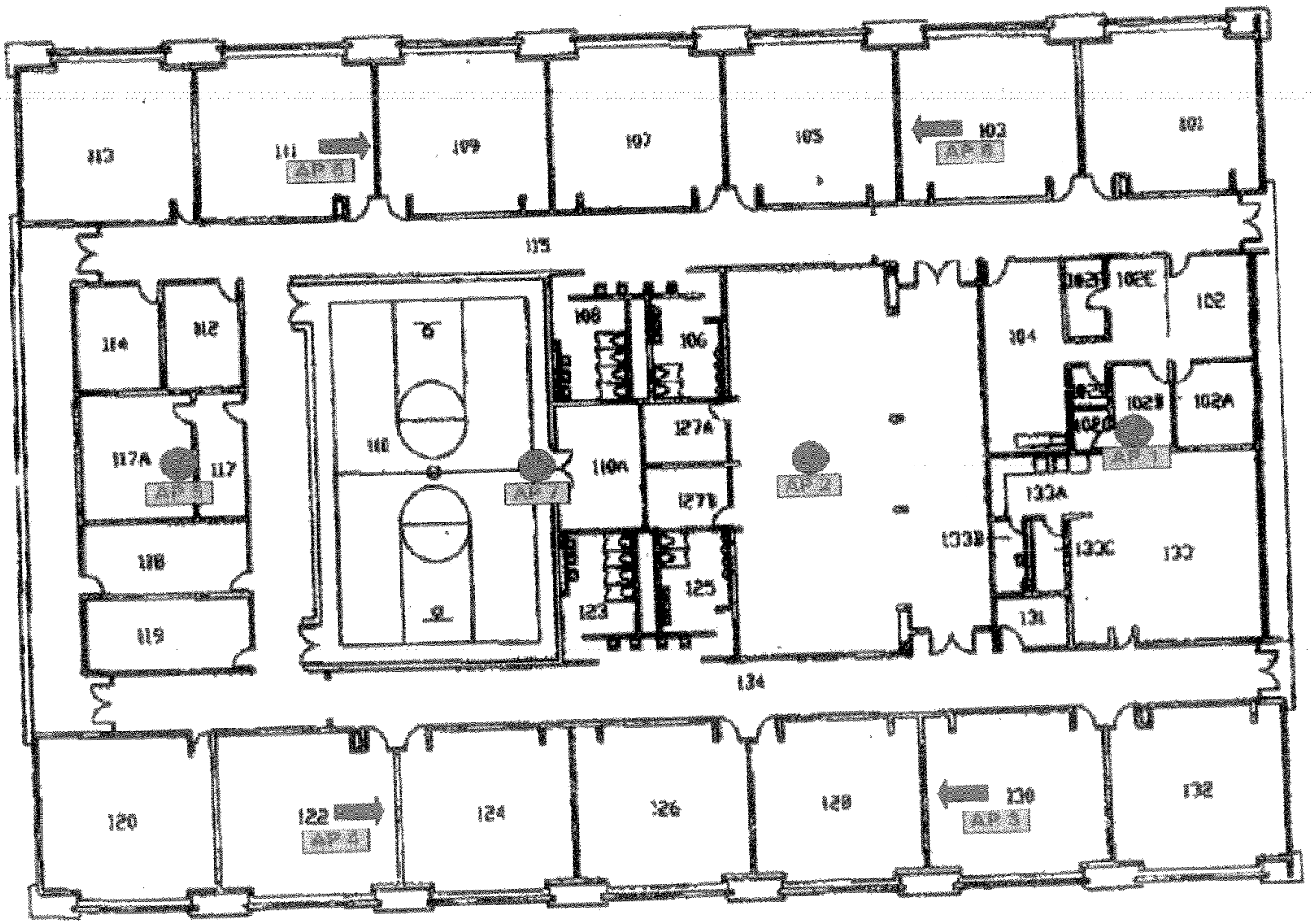



Figure 6: Overview of AP's required for the Nob Hill School

## Wireless Network Information

Prepared By: Ken Pastore

| | | | |
|---|---|---|---|
| Configuration Date: | Monday, June 20, 2005 | User Name: | Cisco |
| Network Name: | FcWLaN | Read/Write Password: | aisFC |
| Encryption: | 4B433941345532323938637 36D | Subnet mask: | 255.255.0.0 |
| AP Quantity: | 10 | Default Gateway: | 10.2.1.1 |

**Location** **Fieldcrest**

| AP Name | AP S/N | IP Address | MAC Address | Channel |
|---|---|---|---|---|
| PHFLDCRST-AP1 | FTX0915R1H9 | 10.2.5.1 | 001380071CA0 | 1 |
| PHFLDCRST-AP2 | FTX0912R1E0 | 10.2.5.2 | 00137F7D3361 | 3 |
| PHFLDCRST-AP3 | FTX0913E021 | 10.2.5.3 | 00137F89C924 | 11 |
| PHFLDCRST-AP4 | FTX0912R1DX | 10.2.5.4 | 00137F7D3340 | 6 |
| PHFLDCRST-AP5 | FTX0913E023 | 10.2.5.5 | 00137F7D3605 | 1 |
| PHFLDCRST-AP6 | FTX0913E003 | 10.2.5.6 | 00137F7D330D | 8 |
| PHFLDCRST-AP7 | FTX0913E009 | 10.2.5.7 | 00137F7D330F | 11 |
| PHFLDCRST-AP8 | FTX0913E007 | 10.2.5.8 | 00137F7D3311 | 11 |
| PHFLDCRST-AP9 | FTX0912E2HC | 10.2.5.9 | 00137F7D3322 | 1 |
| PHFLDCRST-AP10 | FTX0915R1JA | 10.2.5.10 | 0013803821F8 | 6 |

## POE Injectors

| MDF/IDF/Room # | POE S/N | Port Qty |
|---|---|---|
| MDF | M05056804561948D03 | 12 |

## Wireless Network Information

Prepared By: Ken Pastore

| | | | |
|---|---|---|---|
| Configuration Date: | Monday, June 20, 2005 | User Name: | Cisco |
| Network Name: | hILndWLAn | Read/Write Password: | aisHI |
| Encryption: | 58664871427674726F47337A42 | Subnet mask: | 255.255.0.0 |
| AP Quantity: | 10 | Default Gateway: | 10.3.1.1 |

Location: **Highlands**

| AP Name | AP S/N | IP Address | MAC Address | Channel |
|---|---|---|---|---|
| PHHLNDS-AP1 | FTX0913E01A | 10.3.5.1 | 00137F7D3626 | 1 |
| PHHLNDS-AP2 | FTX0913R01F | 10.3.5.2 | 00137F89C9BF | 6 |
| PHHLNDS-AP3 | FTX0915E3A1 | 10.3.5.3 | 001380071CBE | 11 |
| PHHLNDS-AP4 | FTX0913E02C | 10.3.5.4 | 00137F7D3681 | 3 |
| PHHLNDS-AP5 | FTX0914J0SR | 10.3.5.5 | 00137FC74C96 | 1 |
| PHHLNDS-AP6 | FTX0915E3A2 | 10.3.5.6 | 00138007190B | 6 |
| PHHLNDS-AP7 | FTX0915R1JV | 10.3.5.7 | 00138038222C | 3 |
| PHHLNDS-AP8 | FTX0913R017 | 10.3.5.8 | 00137F7D366D | 11 |
| PHHLNDS-AP9 | FTX0912E2H9 | 10.3.5.9 | 00137F7D3368 | 1 |
| PHHLNDS-AP10 | FTX0913E05E | 10.3.5.10 | 00137F7583A4 | 6 |

## POE Injectors

| MDF/IDF/Room # | POE S/N | Port Qty |
|---|---|---|
| MDF | M05216809569270D05 | 6 |
| IDF | M05216809569136D05 | 6 |

## Wireless Network Information

Prepared By: Ken Pastore

| | | | |
|---|---|---|---|
| Configuration Date: | Monday, June 20, 2005 | User Name: | Cisco |
| Network Name: | NhwLAn | Read/Write Password: | aisNH |
| Encryption: | 613137456A474134454A316F62 | Subnet mask: | 255.255.0.0 |
| AP Quantity: | 8 | Default Gateway: | 10.5.1.1 |

**Location** **Nob Hill**

| AP Name | AP S/N | IP Address | MAC Address | Channel |
|---|---|---|---|---|
| PHNH-AP1 | FTX0913R003 | 10.5.5.1 | 001360190089 | 1 |
| PHNH-AP2 | FTX0914J0A9 | 10.5.5.2 | 00137FE233ED | 8 |
| PHNH-AP3 | FTX0913R011 | 10.5.5.3 | 00137F7D3662 | 11 |
| PHNH-AP4 | FTX0915R1HD | 10.5.5.4 | 001380071CBB | 6 |
| PHNH-AP5 | FTX0915R1HE | 10.5.5.5 | 001380071CCC | 1 |
| PHNH-AP6 | FTX0913E001 | 10.5.5.6 | 00137F7D3313 | 11 |
| PHNH-AP7 | FTX0913E022 | 10.5.5.7 | 00137F7D3621 | 3 |
| PHNH-AP8 | FTX0913E024 | 10.5.5.8 | 00137F89C93D | 6 |

## POE Injectors

| MDF/IDF/Room # | POE S/N | Port Qty |
|---|---|---|
| MDF | M05056804561740D03 | 12 |

## Wireless Network Information

Prepared By: Ken Pastore

| | | | |
|---|---|---|---|
| Configuration Date: | Monday, June 20, 2005 | User Name: | Cisco |
| Network Name: | cHtxwLaN | Read/Write Password: | aisCH |
| Encryption: | 466F5935624943514B44313250 | Subnet mask: | 255.255.0.0 |
| AP Quantity: | 7 | Default Gateway: | 10.6.1.1 |

**Location** **Chateaux**

| AP Name | AP S/N | IP Address | MAC Address | Channel |
|---|---|---|---|---|
| PHCHTX-AP1 | FTX0915R1HF | 10.6.5.1 | 001380071C97 | 11 |
| PHCHTX-AP2 | FTX0913E02B | 10.6.5.2 | 00137F7D360C | 1 |
| PHCHTX-AP3 | FTX0915R1HA | 10.6.5.3 | 001380071914 | 11 |
| PHCHTX-AP4 | FTX0915R1HB | 10.6.5.4 | 001380071CB4 | 1 |
| PHCHTX-AP5 | FTX0913E020 | 10.6.5.5 | 00137F89C933 | 11 |
| PHCHTX-AP6 | FTX0913R01D | 10.6.5.6 | 00137F89C9CE | 1 |
| PHCHTX-AP7 | FTX0915E39Q | 10.6.5.7 | 0013800719F5 | 6 |

## POE Injectors

| MDF/IDF/Room # | POE S/N | Port Qty |
|---|---|---|
| MDF | M05056804561773D03 | 12 |

## Wireless Network Information

Prepared By: Ken Pastore

| | | | |
|---|---|---|---|
| Configuration Date: | Monday, June 20, 2005 | User Name: | ~~Cisco~~ Blank |
| Network Name: | mJwLan | Read/Write Password: | ~~aisMJ~~ Cisco |
| Encryption: | 53374A4848587A4B4932335351 | Subnet mask: | 255.255.0.0 |
| AP Quantity: | 12 | Default Gateway: | 10.7.1.1 |

**Location** **Mae Jemison**

| AP Name | AP S/N | IP Address | MAC Address | Channel |
|---|---|---|---|---|
| PHMJ-AP1 | FTX0915E3H3 | 10.7.5.1 | 00137F7588CF | 1 |
| PHMJ-AP2 | FTX0915E3EM | 10.7.5.2 | 0013803820F3 | 11 |
| PHMJ-AP3 | FTX0915E3HH | 10.7.5.3 | 00137F7582BE | 6 |
| PHMJ-AP4 | FTX0915E3GT | 10.7.5.4 | 00137F75879F | 11 |
| PHMJ-AP5 | FTX0913R01Y | 10.7.5.5 | 00137F7D3672 | 11 |
| PHMJ-AP6 | FTX0915R1MG | 10.7.5.6 | 00137F7588D6 | 1 |
| PHMJ-AP7 | FTX0915E3HM | 10.7.5.7 | 00137F7582D2 | 6 |
| PHMJ-AP8 | FTX0913R020 | 10.7.5.8 | 00137F89C919 | 1 |
| PHMJ-AP9 | FTX0913R01E | 10.7.5.9 | 00137F89C9C4 | 6 |
| PHMJ-AP10 | FTX0913E01T | 10.7.5.10 | 00137F89CA5C | 1 |
| PHMJ-AP11 | FTX0915R1HC | 10.7.5.11 | 001380071A00 | 11 |
| PHMJ-AP12 | FTX0913E02E | 10.7.5.12 | 00137F7D360A | 6 |

~~MJ-AP16~~ 10.7.5.16. 1

## POE Injectors

| MDF/IDF/Room # | POE S/N | Port Qty |
|---|---|---|
| MDF | M04446804558551D02 | 12 |

US

## Wireless Network Information

Prepared By: Ken Pastore

| | | | |
|---|---|---|---|
| Configuration Date: | Monday, April 11, 2005 | User Name: | Cisco |
| Network Name: | PhJhpAcwLan | Read/Write Password: | aisJH |
| Encryption: | 3938344F386437587946413769 | Subnet mask: | 255.255.0.0 |
| AP Quantity: | 27 | Default Gateway: | 10.1.1.15 |

| Location | PHJH/PAC | | | |
|---|---|---|---|---|
| AP Name | AP S/N | IP Address | MAC Address | Channel |
| PHJHPAC-AP1 | FTX0907R36N | 10.1.5.1 | 00131A22B905 | 11 |
| PHJHPAC-AP2 | FTX0907R36Y | 10.1.5.2 | 00131A22B912 | 1 |
| PHJHPAC-AP3 | FTX0907R369 | 10.1.5.3 | 00131A22B622 | 6 |
| PHJHPAC-AP4 | FTX0907R380 | 10.1.5.4 | 00131A908879 | 4 |
| PHJHPAC-AP5 | FTX0907R382 | 10.1.5.5 | 00131A9088D6 | 6 |
| PHJHPAC-AP6 | FTX0907R383 | 10.1.5.6 | 00131A90887D | 1 |
| PHJHPAC-AP7 | FTX0907R386 | 10.1.5.7 | 00131A9087D2 | 11 |
| PHJHPAC-AP8 | FTX0907R37D | 10.1.5.8 | 00131A5800A1 | 6 |
| PHJHPAC-AP9 | FTX0907R37E | 10.1.5.9 | 00131A5800AA | 1 |
| PHJHPAC-AP10 | FTX0907R37F | 10.1.5.10 | 00131A58008A | 6 |
| PHJHPAC-AP11 | FTX0907R37G | 10.1.5.11 | 00131A90889F | 10 |
| PHJHPAC-AP12 | FTX0907R37H | 10.1.5.12 | 00131A580122 | 3 |
| PHJHPAC-AP13 | FTX0907R37K | 10.1.5.13 | 00131A9088A1 | 8 |
| PHJHPAC-AP14 | FTX0907R37N | 10.1.5.14 | 00131A9088B7 | 1 |
| PHJHPAC-AP15 | FTX0907R37P | 10.1.5.15 | 00131A9088BA | 1 |
| PHJHPAC-AP16 | FTX0907R37Q | 10.1.5.16 | 00131A9088A9 | 11 |
| PHJHPAC-AP17 | FTX0907R37T | 10.1.5.17 | 00131A9088AF | 4 |
| PHJHPAC-AP18 | FTX0907R37U | 10.1.5.18 | 00131A9088BC | 11 |
| PHJHPAC-AP19 | FTX0907R37V | 10.1.5.19 | 00131A9088CC | 6 |
| PHJHPAC-AP20 | FTX0907R37W | 10.1.5.20 | 00131A9088C4 | 1 |
| PHJHPAC-AP21 | FTX0907R370 | 10.1.5.21 | 00131A22B911 | 6 |
| PHJHPAC-AP22 | FTX0907R372 | 10.1.5.22 | 00131A58012A | 11 |
| PHJHPAC-AP23 | FTX0907R373 | 10.1.5.23 | 00131A58009F | 5 |
| PHJHPAC-AP24 | FTX0907R374 | 10.1.5.24 | 00131A58012F | 1 |
| PHJHPAC-AP25 | FTX0907R375 | 10.1.5.25 | 00131A580125 | 11 |
| PHJHPAC-AP26 | FTX0907R377 | 10.1.5.26 | 00131A5800A5 | 1 |
| PHJHPAC-AP27 | FTX0907R378 | 10.1.5.27 | 00131A5800A8 | 6 |

## POE Injectors

| MDF/IDF/Room # | POE S/N | Port Qty |
|---|---|---|
| MDF | I04426804002634D02 | 12 |
| IDF #1 | M05146809565985D05 | 6 |
| IDF #2 | M05146809565946D05 | 6 |
| IDF #3 | M05146809565976D05 | 6 |

## Wireless Network Information

Prepared By: Ken Pastore

| | | | |
|---|---|---|---|
| Configuration Date: | Monday, April 11, 2005 | User Name: | Cisco |
| Network Name: | phMpWwLAn | Read/Write Password: | aisMP |
| Encryption: | 793449374F78304E6470463533 | Subnet mask: | 255.255.0.0 |
| AP Quantity: | 9 | Default Gateway: | 10.4.1.1 |

**Location** **Markham Park**

| AP Name | AP S/N | IP Address | MAC Address | Channel |
|---|---|---|---|---|
| PHMP-AP1 | FTX0905J1TX | 10.4.5.1 | 00131905E165 | 1 |
| PHMP-AP2 | FTX0905J13N | 10.4.5.2 | 00131A9086DD | 6 |
| PHMP-AP3 | FTX0905J157 | 10.4.5.3 | 00131A85EE1F | 11 |
| PHMP-AP4 | FTX0905R18M | 10.4.5.4 | 00131905E326 | 1 |
| PHMP-AP5 | FTX0905R18T | 10.4.5.5 | 00131905E2C2 | 6 |
| PHMP-AP6 | FTX0905R191 | 10.4.5.6 | 00131905E295 | 11 |
| PHMP-AP7 | FTX0907R36B | 10.4.5.7 | 00131A22B552 | 1 |
| PHMP-AP8 | FTX0907R36C | 10.4.5.8 | 00131A22B51B | 6 |
| PHMP-AP9 | FTX0907R36K | 10.4.5.9 | 00131A908878 | 11 |

## POE Injectors

| MDF/IDF/Room # | POE S/N | Port Qty |
|---|---|---|
| MDF | M05146809565922D05 | 6 |
| IDF | M05146809565998D05 | 6 |

| | | | |
|---|---|---|---|
| Configuration Date: | | User Name: | Cisco |
| Network Name: | phMpWwLAn | Read/Write Password: | aisMP |
| Encryption: | 793449374F78304E6470463533 | Subnet mask: | 255.255.0.0 |
| AP Quantity: | 1 | Default Gateway: | 10.4.1.1 |

**Location** **Markham Park**

| AP Name | AP S/N | IP Address | MAC Address | Channel |
|---|---|---|---|---|
| MP-MBL1 | FTX0913R009 | 10.4.5.250 | 00136019008B | Auto Channel |
| | | | | Select |

| | | | |
|---|---|---|---|
| Configuration Date: | | User Name: | Cisco |
| Network Name: | NhwLAn | Read/Write Password: | aisNH |
| Encryption: | 613137456A474134454A316F62 | Subnet mask: | 255.255.0.0 |
| AP Quantity: | 1 | Default Gateway: | 10.5.1.1 |

**Location** **Nob Hill**

| AP Name | AP S/N | IP Address | MAC Address | Channel |
|---|---|---|---|---|
| NH-MBL1 | FTX0913R002 | 10.5.5.250 | 00136019009B | Auto Channel |
| | | | | Select |

| | | | |
|---|---|---|---|
| Configuration Date: | | User Name: | Cisco |
| Network Name: | FcWLaN | Read/Write Password: | aisFC |
| Encryption: | 4B433941345532323938637 36D | Subnet mask: | 255.255.0.0 |
| AP Quantity: | 1 | Default Gateway: | 10.2.1.1 |

**Location** **Fieldcrest**

| AP Name | AP S/N | IP Address | MAC Address | Channel |
|---|---|---|---|---|
| FC-MBL1 | FTX0912R1E4 | | 00137F7D3362 | |

| | | | |
|---|---|---|---|
| Configuration Date: | | User Name: | Cisco |
| Network Name: | | Read/Write Password: | |
| Encryption: | | Subnet mask: | |
| AP Quantity: | 1 | Default Gateway: | |

**Location** **PAC**

| AP Name | AP S/N | IP Address | MAC Address | Channel |
|---|---|---|---|---|
| MBL1 | FTX0913R016 | | 00137F7D3594 | Auto Channel |
| | | | | Select |

| | | | |
|---|---|---|---|
| Configuration Date: | | User Name: | Cisco |
| Network Name: | | Read/Write Password: | |
| Encryption: | | Subnet mask: | |
| AP Quantity: | 1 | Default Gateway: | |

**Location** **Annex**

| AP Name | AP S/N | IP Address | MAC Address | Channel |
|---|---|---|---|---|
| MBL1 | FTX0913E01B | | 00137F7D3665 | Auto Channel |
| | | | | Select |

# MobiLAN One Access Point Configuration Information

| Configuration Date: | Monday, April 18, 2005 | User Name: | Cisco |
|---|---|---|---|
| Network Name: | PhJhpAcwLan | Read/Write Password: | aisJH |
| Encryption: | 3938344F386437587946413769 | Subnet mask: | 255.255.0.0 |
| AP Quantity: | 1 | Default Gateway: | 10.1.1.15 |

**Location** **PHJH/PAC**

| AP Name | AP S/N | IP Address | MAC Address | Channel |
|---|---|---|---|---|
| PHJHPAC-MBL1 | FTX0907R2QU | 10.1.5.250 | 00131A329995 | Auto Channel Select |

| Configuration Date: | Monday, April 18, 2005 | User Name: | Cisco |
|---|---|---|---|
| Network Name: | hILndWLAn | Read/Write Password: | aisHI |
| Encryption: | 586648714276747 26F47337A42 | Subnet mask: | 255.255.0.0 |
| AP Quantity: | 1 | Default Gateway: | 10.3.1.1 |

**Location** **Highlands**

| AP Name | AP S/N | IP Address | MAC Address | Channel |
|---|---|---|---|---|
| HLND-MBL1 | FTX0907R2QE | 10.3.5.250 | 00131A329990 | 11 |

| Configuration Date: | Monday, April 18, 2005 | User Name: | Cisco |
|---|---|---|---|
| Network Name: | cHtxwLaN | Read/Write Password: | aisCH |
| Encryption: | 466F5935624943514B44313250 | Subnet mask: | 255.255.0.0 |
| AP Quantity: | 1 | Default Gateway: | 10.6.1.1 |

**Location** **Chateaux**

| AP Name | AP S/N | IP Address | MAC Address | Channel |
|---|---|---|---|---|
| CHTX-MBL1 | FTX0907R2QN | 10.6.5.250 | 00131A681AD7 | 11 |

| Configuration Date: | Monday, April 18, 2005 | User Name: | Cisco |
|---|---|---|---|
| Network Name: | mJwLan | Read/Write Password: | aisMJ |
| Encryption: | 53374A4848587A4B4932335351 | Subnet mask: | 255.255.0.0 |
| AP Quantity: | 1 | Default Gateway: | 10.7.1.1 |

**Location** **Mae Jemison**

| AP Name | AP S/N | IP Address | MAC Address | Channel |
|---|---|---|---|---|
| MJ-MBL1 | FTX0907R2QQ | 10.7.5.250 | 00131A681AD6 | 11 |