

Butler Community College

**Request for Proposal for Network Cabling for Wireless Access
Points and Exterior Cameras**

RFPID: DT-WL-CABLING-ELD-2018

8 February - 2017

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1 Statement of Work

1.1 Purpose

The purpose of this request for proposal (RFP) is to invite prospective vendors to submit a proposed solution for Network Cabling for Wireless Access Points and exterior cameras to Butler Community College. The RFP provides vendors with the relevant operational, performance, application, and architectural requirements of the system.

1.2 Coverage & Participation

The intended coverage of this RFP, and any agreement resulting from this solicitation, shall be for the use of all departments at Butler Community College along with any satellite offices. Butler Community College reserves the right not to enter into any contract, to add and/or delete elements, or to change any element of the coverage and participation at any time without prior notification and without any liability or obligation of any kind or amount.

2 General Information

2.1 Original RFP Document

Butler Community College shall retain the RFP, and all related terms and conditions, exhibits and other attachments, in original form in an archival copy. Any modification of these, in the vendor's submission, is grounds for immediate disqualification.

2.2 The Organization

Butler Community College is a public, two-year, co-educational institution located in El Dorado, Kansas. Established in 1927 as El Dorado Junior College, Butler now stands as the second largest community college in Kansas and the sixth largest educational institution in the state. That means, annually, more than 13,000 students ranging in age from sophomores and juniors in high school to grandparents seeking a new career, enjoy and benefit from our small classes and nurturing environment.

Butler students have access to more than 90 different academic programs across 24 learning sites, which includes numerous high schools in the area. The faces in our classrooms come from a variety of ethnic backgrounds and from all over the U.S. and the world.

In order to better serve our students and the community as a whole, Butler Community College engaged with CDW on a border to border site survey to ensure full access for all Students, Faculty, Staff, and Stakeholders. In presenting this RFP to install network wiring needed for the new border to border wireless network infrastructure and exterior cameras for physical security, we have included the results of the site survey.

The major drivers for this project are access, speed and reliability. When completed, this network cabling will be the backbone for the Wireless network solution utilized by all students, faculty, staff and visitors.

2.3 Schedule of Events

The following is a tentative schedule that will apply to this RFP, but may change in accordance with the organization's needs or unforeseen circumstances. Changes will be communicated by email to all invited bidders. All bidders are required to attend the mandatory Pre-bid meeting/Walk through on 14 March, 2018. This meeting will be located at 901 S. Haverhill rd, El Dorado, KS. Meet in the Welcome Center Dankert Board Room 08:30 CST. Project Plan and completion date will be discussed at the Pre-bid Meeting.

Issuance of RFP	8 February, 2018
Mandatory Pre-bid	14 February, 2018
Time: 08:30 CST Location: El Dorado Welcome Center Dankert Board Room	
Non-Mandatory Follow up Q&A Session:	21 February, 2018
Time: 08:30 CST Location: El Dorado Welcome Center Dankert Board Room	
Technical Questions/Inquiries Due	27 February, 2018, 17:00 CST
RFP Due	5 March, 2018, 12:00 CST
RFP Opening	5 March, 2018, 14:00 CST
Final Award Notification pending Board approval	13 March, 2018, 20:00 CST

3 Proposal Preparation Instructions

3.1 Vendor's Understanding of the RFP

In responding to this RFP, the vendor accepts full responsibility to understand the RFP in its entirety, and in detail, including making any inquiries to Butler Community College as necessary to gain such understanding. Butler Community College reserves the right to disqualify any vendor who demonstrates less than such understanding. Further, Butler Community College reserves the right to determine, at its sole discretion, whether the vendor has demonstrated such understanding. That right extends to cancellation of award, if award has been made. Such disqualification and/or cancellation shall be at no fault, cost, or liability whatsoever to Butler Community College.

3.2 Good-Faith Statement

All information provided by Butler Community College in this RFP is offered in good faith. Individual items are subject to change at any time. Butler Community College makes no certification that any item is without error. Butler Community College is not responsible or liable for any use of the information or for any claims asserted there from.

3.3 Communication

Verbal communication shall not be effective unless formally confirmed in writing by a specified procurement official in charge of managing this RFP process. In no case shall verbal communication govern over written communication.

3.3.1 **Vendors' Inquiries.** Applicable terms and conditions herein shall govern communications and inquiries between Butler Community College and vendors as they relate to this RFP. Inquiries, questions, and requests for clarification related to this RFP are to be directed electronically by submitting an e-mail to the following address:

bids@butlercc.edu

Subject line of inquiries must read: DT-WL-WIRING-ELD-2018 - Questions

3.3.2 **Informal Communications** shall include, but are not limited to: requests from/to vendors or vendors' representatives in any kind of capacity, to/from any Butler Community College employee or representative of any kind or capacity with the exception of Bill Young for information, comments, speculation, etc. Inquiries for clarifications and information that will not require addenda may be submitted verbally to the named above at any time.

3.3.3 **Formal Communications** shall include, but are not limited to:

- Questions concerning this RFP: Questions must be submitted electronically and be received prior to 27 February, 2018, 17:00 CST.
- Errors and omissions in this RFP and enhancements: Vendors shall bring to Butler Community College any discrepancies, errors, or omissions that may exist within this RFP. With respect to this RFP, vendors shall recommend to Butler Community College any enhancements that might be in the best interests of Butler Community College. These recommendations must be submitted in writing and be received prior to 27 February, 2018, 17:00 CST
- Inquiries about technical interpretations must be submitted electronically and be received prior to 27 February, 2018, 17:00 CST
- Inquiries for clarifications/information that will not require addenda may be submitted verbally to the buyer named above at any time during this process.
- Verbal and/or written presentations and pre-award negotiations under this RFP.
- Addenda to this RFP.

Addenda: Butler Community College will make a good-faith effort to provide a written response to each question or request for clarification that requires addenda within 5 business days. All questions, answers, and addenda will be shared with all recipients.

Butler Community College will not respond to any questions or requests for clarification that require addenda, if received by Butler Community College after 27 February, 2018, 17:00 CST.

All pertinent RFP information including any addenda and other answers to submitted questions will be posted to our Website only. The url for the Projects included in the Digital Transformation at Butler Community College is:

<https://www.butlercc.edu/digital-transformation>

3.4 Proposal Submission

Proposals must be delivered electronically to:

bids@butlercc.edu

on or prior to 5 March, 2018, 12:00 CST. Butler Community College shall not accept proposals received by fax.

Subject line of this bid proposal must read: DT-WL-WIRING-ELD-2018 – Proposal

3.5 Criteria for Selection

The evaluation of each response to this RFP will be based on its demonstrated competence, compliance, format, and organization. The purpose of this RFP is to identify those suppliers that have the interest, capability, and financial strength to supply Butler Community College with cable wiring infrastructure identified in the Scope of Work.

1. Capability of vendor to meet or exceed requirements set forth in Scope of Work.
2. Expressed interest in working with Butler Community College.
3. Financial stability of vendor.
4. Capacity to provide ongoing support in order to meet current and future needs of the storage, disaster recovery, and data back-up concerns at Butler Community College
5. Ability of vendor to communicate its vision and capacity for establishing a relationship that addresses current and future needs and trends in the industry.
6. Apparent likelihood and desirability of proposed system.

3.6 Selection and Notification

Vendors determined by Butler Community College who possess the capacity to compete for this contract will be selected to move into the negotiation phase of this process. Written notification will be sent to these vendors via mail. Those vendors not selected for the negotiation phase will not be notified

4 Scope of Work, Specifications & Requirements

4.1 Functional Requirements

Indoor wiring for wireless access points

- All runs should be clearly marked at terminus with labeling on both ends for individual cable with preapproval of labeling by Butler Community College.
- All cabling must be Belden data twist Cat6 Plenum rated(2413) in green
- Terminations in the IDF/MDF must be field loadable patch panels - Panduit CPP24WBLV
- All Network Jacks shall be Panduit CJ688TGGR T568B terminated on both ends of the cable
- Terminations on the device end shall be loaded in a Panduit CBX1WH-A

- Terminations on device end shall have a 10ft cable plugged into the network jack and left coiled in the ceiling – Panduit UTPS10GRY
- Any data runs that require wire molding will need to be metal wire mold.
- All work performed by installation personnel must be in accordance with industry accepted practices, such as those set forth by the EIA/TIA and BISCII. The installation must meet all applicable Federal and State laws, all fire and building codes, and all local jurisdiction requirements.
- All penetrations of fire-rated walls will also require sufficient sealing in order to meet existing fire regulations
- Cables should be neatly dressed and supported in the racks.
- Each data outlet and cable shall be tested and certified for permanent link compliance with TIA Category-6.
- All tested cables shall pass all performed tests. End-to-end attenuation loss and NEXT shall meet or exceed Category-6, TIA 586-C requirements
- The contractor will provide all documents easily understood for Inside Wiring cable records showing station ID's, cable routes and proof of certification. Documentation is to be submitted for approval prior to commencement of work.

Exterior wiring for wireless antennas

- All runs should be clearly marked at terminus with labeling on both ends for individual cable with preapproval of labeling by Butler Community College.
- All exterior cabling must be Belden OSP0101000 Multi-Conductor – Cat6 Nonbonded-Pair 4-pair U/UTP OSP
- Terminations in the IDF/MDF must be field loadable patch panels - Panduit CPP24WBLY
- All Network Jacks shall be Panduit CJ688TGGR T568B terminated on both ends of the cable
- All outdoor cable must be enclosed in rigid piping and jacks must be in a weather proof box
- All work performed by installation personnel must be in accordance with industry accepted practices, such as those set forth by the EIA/TIA and BISCII. The installation must meet all applicable Federal and State laws, all fire and building codes, and all local jurisdiction requirements.
- All penetrations of fire-rated walls will also require sufficient sealing in order to meet existing fire regulations
- Cables should be neatly dressed and supported in the racks.
- Each data outlet and cable shall be tested and certified for permanent link compliance with TIA Category-6.
- All tested cables shall pass all performed tests. End-to-end attenuation loss and NEXT shall meet or exceed Category-6, TIA 586-C requirements
- The contractor will provide all documents easily understood for outside wiring cable records showing station ID's, cable routes and proof of certification. Documentation is to be submitted for approval prior to commencement of work.
- All roof penetrations must be schedule through Facilities Management

Exterior wiring for outdoor cameras

- All runs should be clearly marked at terminus with labeling on both ends for individual cable with preapproval of labeling by Butler Community College.

- All exterior cabling must be Belden OSP0101000 Multi-Conductor – Cat6 Nonbonded-Pair 4-pair U/UTP OSP
- Terminations in the IDF/MDF must be field loadable patch panels - Panduit CPP24WBLY
- All Network Jacks shall be Panduit CJ688TGYL T568B terminated on both ends of the cable
- All outdoor cable must be enclosed in rigid piping and jacks must be in a weather proof box
- All work performed by installation personnel must be in accordance with industry accepted practices, such as those set forth by the EIA/TIA and BISC. The installation must meet all applicable Federal and State laws, all fire and building codes, and all local jurisdiction requirements.
- All penetrations of fire-rated walls will also require sufficient sealing in order to meet existing fire regulations
- Cables should be neatly dressed and supported in the racks.
- Each data outlet and cable shall be tested and certified for permanent link compliance with TIA Category-6.
- All tested cables shall pass all performed tests. End-to-end attenuation loss and NEXT shall meet or exceed Category-6, TIA 586-C requirements
- The contractor will provide all documents easily understood for outside wiring cable records showing station ID's, cable routes and proof of certification. Documentation is to be submitted for approval prior to commencement of work.
- All roof penetrations must be schedule through Facilities Management.

4.2 Engagement Methodology

- Work will need to defer scheduling to cause minimal interruption to standard college business processes and events.

5 Vendor Qualifications & References

All vendors must provide the following information in order for their proposal to be considered:

1. A brief outline of the vendor company and services offered, including:
 - Full legal name of the company.
 - Year business was established.
 - Number of people currently employed.
2. An outline of the product line-up and/or services they currently support.
3. A description of their geographic reach and market penetration.
4. An outline of their partnerships and relationships to date.
5. An outline of their current and future strategies in the marketplace.
6. Information on its current clients, including:
 - A list of clients with similar needs using similar products and/or services.

- Evidence of successful completion of a project of a similar size and complexity.
7. References: Contact information for three references (if possible) from projects similar in size, application, and scope and a brief description of their implementation.

6 Budget & Estimated Pricing

All vendors must fill out the following cost breakdown for the implementation of their solution for Butler Community College's project as described in this RFP. Costs should be identified as either capital or non-capital in nature. The vendor must agree to keep these prices valid for 60 days as of 5 March, 2018.

6.1 Estimated Costs

Hardware: List, describe, and record the cost of each piece of hardware that is required to optimally implement the proposed solution.

Installation: Describe any labor, equipment, supplies, or other costs associated with installing your proposed solution.

Integration: Describe any labor, equipment, supplies, or other costs associated with

Maintenance: Describe and cost out any other ongoing costs associated with the operation and maintenance of your proposed solution.

Documentation & Training: If there are fees associated with your user or technical documentation, list them here.

Project Management: If there are project management fees associated with your proposed solution, list and describe them here.

Miscellaneous: List and describe any other costs associated with your proposed solution.

7 Additional Terms & Conditions

7.1 Personal Information

7.1.1 General

Depending on the circumstances, Butler Community College may require information related to the qualifications and experience of persons who are proposed or available to provide services. This may include, but is not limited to, resumes, documentation of accreditation, and/or letters of reference. The Respondent should not submit as part of their Response any information related to the qualifications and experience of persons who are proposed or available to provide services unless specifically requested. Unless specifically requested, any such information, whether in the form of resumes or other documentation, will be returned immediately to the Respondent. Butler Community College will treat this information in accordance with the provisions of this Section.

7.1.2 Requested Personal Information

Any personal information as defined in Section 7, that is requested from each Respondent by Butler Community College shall only be used to *consider* the qualified individuals to undertake the project/services and to confirm that the work performed is consistent with these qualifications. It is the responsibility of each Respondent to obtain the consent of such individuals prior to providing the information to Butler Community College. Butler Community College will consider that the appropriate consents have been obtained for the disclosure to and use by Butler Community College of the requested information for the purposes described.

7.2 Non-Disclosure Agreement

Butler Community College reserves the right to require any Respondent to enter into a non-disclosure agreement.

7.3 Costs

The RFP does not obligate Butler Community College to pay for any costs, of any kind whatsoever, which may be incurred by a Respondent or any third parties, in connection with the Response. All Responses and supporting documentation shall become the property of Butler Community College, subject to claims of confidentiality in respect of the Response and supporting documentation.

7.4 Intellectual Property

The Respondent should not use any intellectual property of Butler Community College including, but not limited to, all logos, registered trademarks, or trade names of Butler Community College, at any time without the prior written approval of Butler Community College, as appropriate.

7.5 Respondent's Responses

All accepted Responses shall become the property of Butler Community College and will not be returned.

7.6 Governing Law

This RFP and the Respondent's Response shall be governed by the laws of Butler County Kansas.

7.7 No Liability

Butler Community College shall not be liable to any Respondent, person, or entity for any losses, expenses, costs, claims, or damages of any kind:

- Arising out of, by reason of, or attributable to, the Respondent responding to this RFP; or
- As a result of the use of any information, error, or omission contained in this RFP document or provided during the RFP process.

7.8 Entire RFP

This RFP, any addenda to it, and any attached schedules, constitute the entire RFP.

Additional electronic copies of the RFP and attached supporting documentation will be available at the mandatory Pre-bid meeting and can be found at:

<https://www.butlercc.edu/digital-transformation>

8 Vendor Certification

This certification attests to the vendor's awareness and agreement to the content of this RFP and all accompanying calendar schedules and provisions contained herein.

The vendor must ensure that the following certificate is duly completed and correctly executed by an authorized officer of your company.

This proposal is submitted in response to DT-WL-WIRING-ELD-2018 issued by Butler Community College. The undersigned is a duly authorized officer, hereby certifies that:

(Vendor Name)

agrees to be bound by the content of this proposal and agrees to comply with the terms, conditions, and provisions of the referenced RFP and any addenda thereto in the event of an award. Exceptions are to be noted as stated in the RFP. The proposal shall remain in effect for a period of 45 calendar days as of 31 May, 2017.

The undersigned further certify that their firm (check one):

- IS
 IS NOT

currently debarred, suspended, or proposed for debarment by any federal entity. The undersigned agree to notify Butler Community College of any change in this status, should one occur, until such time as an award has been made under this procurement action.

Person[s] authorized to negotiate on behalf of this firm for purposes of this RFP are:

Name: _____ Title: _____

Signature: _____ Date: _____

Name: _____ Title: _____

Signature: _____ Date: _____

Signature of Authorized Officer:

Name: _____ Title: _____

Signature: _____ Date: _____

Schedule “A” Notice of Intention

RFPID: DT-WL-WIRING-ELD-2018

**NOTICE OF INTENTION
REQUEST FOR PROPOSAL****FROM:**

[VENDOR ORGANIZATION NAME]

[AUTHORIZED REPRESENTATIVE]

[TELEPHONE NO.]

[FAX NO.]

[EMAIL]

Please state your intention with regard to the Request for Proposal RFPID: DT-WL-WIRING-ELD-2018 by selecting one of the following:

- Intends to respond to Butler Community College’s Request for Proposal
- Does not intend to respond to Butler Community College’s Request for Proposal

TO:

bids@butlercc.edu

Subject line of this bid proposal must read: RFPID: DT-WL-WIRING-ELD-2018 - Intention

Appendix A

Table of Contents

Andover 9100 & 6000

Boston Rec

Butler CC Site Survey Details

Butler CC Site Survey Map

Fire Station

Rose Hill

Service Center

1100 Building- West Dorm

1300 Building- East Hall

1800- Cummins Hall

Andover Campus

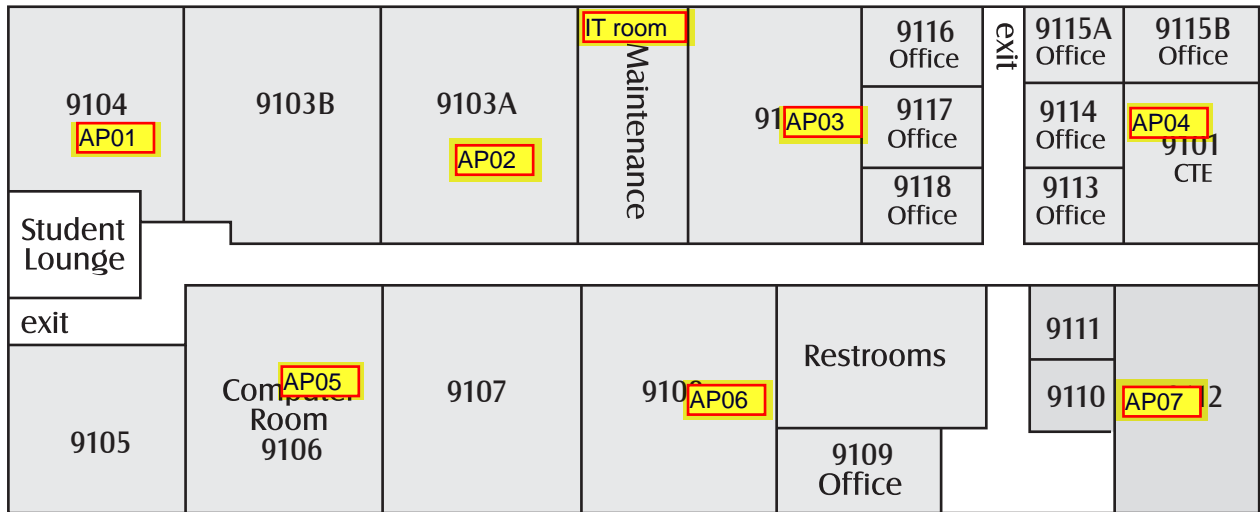
BOE Plexes

Butler CC- Outdoor Campus WiFi

El Dorado Camera Layout

Main Campus

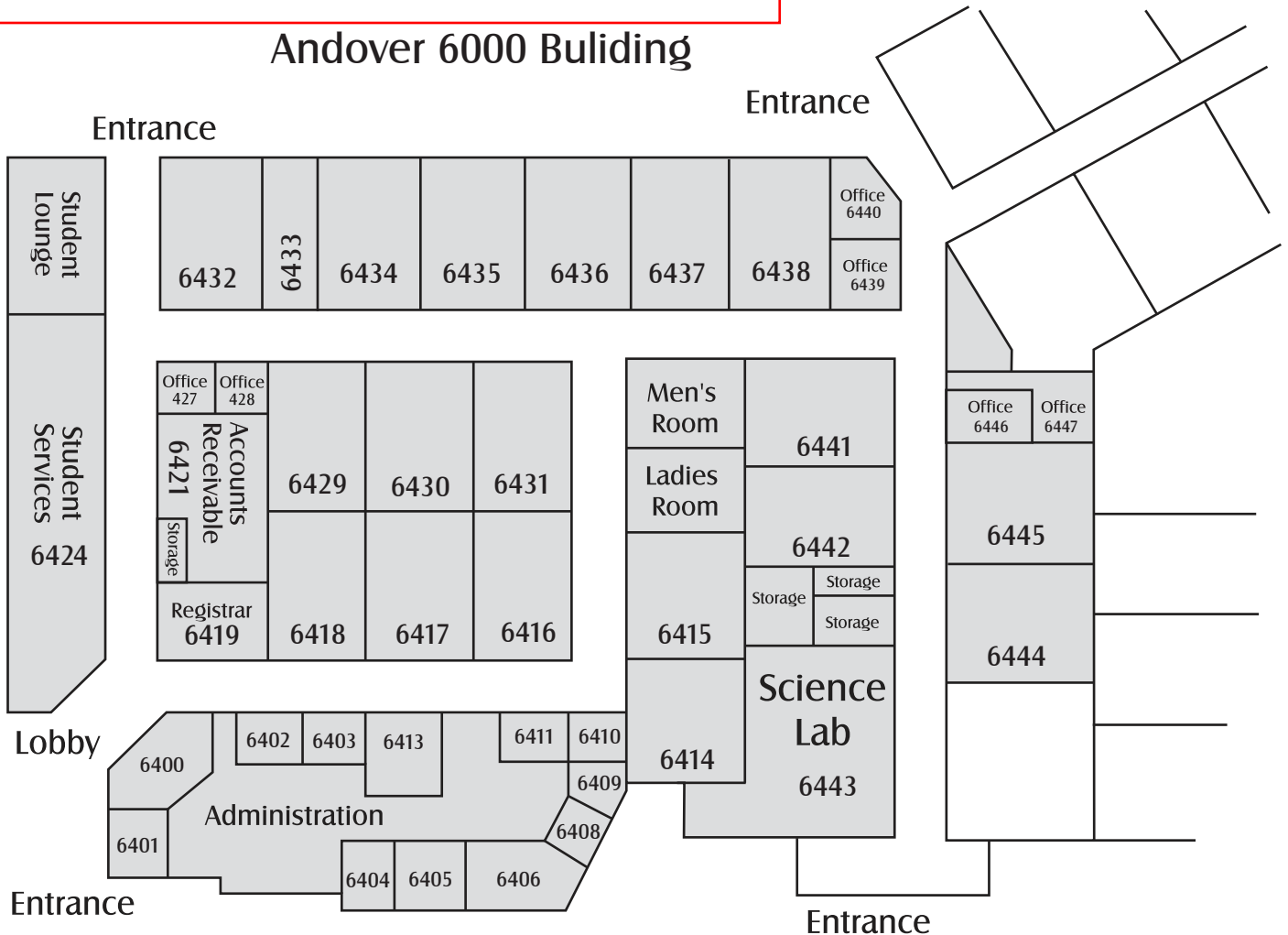
Veterans Stadium



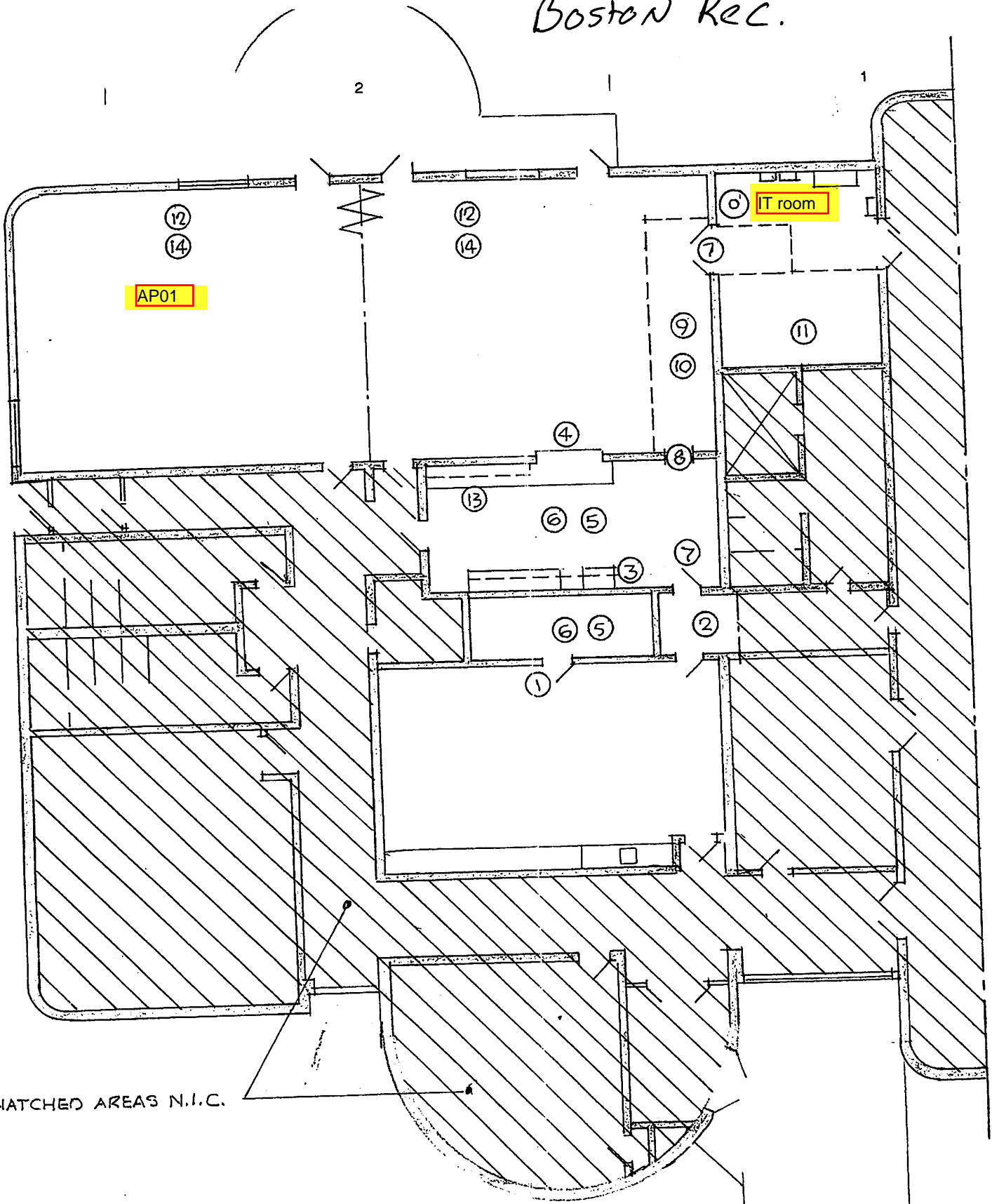
Andover 9100 Buliding  Entrance

Inside APs AP01, AP02, AP03, AP04, AP05, AP06, AP07
 Outside APs none
 Exterior Camera none
 The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Andover 6000 Buliding



Boston Rec.



: WATCHED AREAS N.I.C.

Inside APs AP01
 Outside APs none
 Exterior Camera none
 The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

NOT TO SCALE . SEE 1/8" PLAN THIS SHEET

- ① REMOVE WOOD DOOR & METAL FRAME. CLOSE W/ TOOTHED 8" CMU.
 - ② REMOVE VCT & BASE & PREP FOR QUARRY TILE & BASE.
- ... 2" CMU WALL 10' HIGH & CABINETS. TOOTH OUTSIDE CORNER REPAIR.

Wireless Site Survey - Access Point Details

Butler Community College

Building	Floor	AP	Model	Ceiling Type	2.4 Ghz			5 Ghz			Power Option	AP Placement & Ant Orientation
					Ant Type	Ant Qty	TX Pwr	Ant Type	Ant Qty	TX Pwr		
100	1	AP01	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 134.
100	1	AP02	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in hallway.
100	1	AP03	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 131.
100	1	AP04	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 113.
100	1	AP05	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in hallway.
100	1	AP06	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in hallway.
100	1	AP07	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 103.
100	1	AP08	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 106.
200	1	AP01	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 244.
200	1	AP02	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 243.
200	1	AP03	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 241.
200	1	AP04	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 242.
200	1	AP05	Aruba AP-325	Flush	Internal	n/a	11	Internal	n/a	11	POE	Mount to flush ceiling at entrance of auditorium. Use mount JY706A
200	1	AP06	Aruba AP-325	Flush	Internal	n/a	11	Internal	n/a	11	POE	Mount to flush ceiling at 2nd entrance of auditorium. Use mount JY706A
200	1	AP07	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in hallway.
200	1	AP08	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 209.
200	1	AP09	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 206.
200	1	AP10	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in mail room.
200	1	AP11	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 204.
200	1	AP12	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 201.
300	1	AP01	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in hallway.
300	1	AP02	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount to beam in welding shop. Use bracket JW046A
300	1	AP03	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount to cross beam in room 317. Use bracket JW046A
300	1	AP04	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount to flush ceiling outside data closet. Use mount JY706A
300	1	AP05	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in hallway.
300	2	AP01	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 306.
300	2	AP02	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 304.
400	1	AP01	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount to cross beam in center of shop room. Use bracket JW046A
400	1	AP02	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount to cross beam in center of shop room. Use bracket JW046A
400	1	AP03	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount to cross beam in center of shop room. Use bracket JW046A
400	1	AP04	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount to cross beam in center of shop room. Use bracket JW046A
400	2	AP01	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 405.

Wireless Site Survey - Access Point Details

Butler Community College

Building	Floor	AP	Model	Ceiling Type	2.4 GHz			5 GHz			Power Option	AP Placement & Ant Orientation
					Ant Type	Ant Qty	TX Pwr	Ant Type	Ant Qty	TX Pwr		
400	2	AP02	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 404.
600	1	AP01	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 602.
600	1	AP02	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 603.
600	1	AP03	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 609.
600	1	AP04	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in academic advising.
600	1	AP05	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in admissions.
600	2	AP01	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in librarian work room.
600	2	AP02	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in library.
600	2	AP03	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in library.
600	2	AP04	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in library.
600	2	AP05	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in hallway.
600	2	AP06	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in hallway.
1000	1	AP01	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in lobby.
1000	1	AP02	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in conference room.
1000	1	AP03	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in purple room.
1000	1	AP04	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in cafeteria.
1000	1	AP05	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in cafeteria.
1000	1	AP06	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in kitchen.
1000	1	AP07	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling by snack bar.
1000	1	AP08	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling next to men's restroom. (New helpdesk)
1000	1	AP09	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in hallway near kitchen office.
1000	1	AP10	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in retail.
1000	1	AP11	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in Bookstore.
1200	1	AP01	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount to junior beam in center of room. Use bracket JW046A
1200	1	AP02	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount to junior beam in center of room. Use bracket JW046A
1200	1	AP03	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in office.
1200	1	AP04	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount to flush ceiling in conference room NOT ON MAP. Use mount JY706A
1500	1	AP01	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in meeting room 150.
1500	1	AP02	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in meeting room 150.
1500	1	AP03	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in lobby.
1500	1	AP04	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 124.
1500	1	AP05	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 104.

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Building	Floor	AP	Model	Ceiling Type	2.4 GHz			5 GHz			Power Option	AP Placement & Ant Orientation
					Ant Type	Ant Qty	TX Pwr	Ant Type	Ant Qty	TX Pwr		
1500	1	AP06	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 108.
1500	1	AP07	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 112.
1500	1	AP08	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 110.
1500	1	AP09	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 115.
1500	1	AP10	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 121.
1500	1	AP11	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 117.
1500	1	AP12	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 119.
1500	1	AP13	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in hallway.
1500	1	AP14	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in hallway.
1500	2	AP01	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 203.
1500	2	AP02	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 204.
1500	2	AP03	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 205.
1500	2	AP04	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 207.
1500	2	AP05	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 210.
1500	2	AP06	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 217.
1500	2	AP07	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 221.
1500	2	AP08	Aruba AP-325	Flush	Internal	n/a	11	Internal	n/a	11	POE	Mount to flush ceiling in data closet. Use mount JY706A
1500	2	AP09	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in hallway.
1500	2	AP10	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 224.
1500	2	AP11	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in room 223.
1500	2	AP12	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in hallway.
1500	2	AP13	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in hallway.
1500	2	AP14	Aruba AP-325	Drop Ceiling	Internal	n/a	11	Internal	n/a	11	POE	Mount to drop ceiling in hallway.
1700	1	AP01	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount to junior beam in center of building. Use bracket JW046A
5000N	1	AP01	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5107N.
5000N	1	AP02	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in open area near reception.
5000N	1	AP03	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in reception of clinic.
5000N	1	AP04	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in hallway.
5000N	1	AP05	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5129N.
5000N	1	AP06	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5132N.
5000N	1	AP07	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in Library.
5000N	1	AP08	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5184N.
5000N	1	AP09	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5179N.
5000N	1	AP10	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5174N.
5000N	1	AP11	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in hallway.
5000N	1	AP12	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5142N.

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Building	Floor	AP	Model	Ceiling Type	2.4 GHz			5 GHz			Power Option	AP Placement & Ant Orientation
					Ant Type	Ant Qty	TX Pwr	Ant Type	Ant Qty	TX Pwr		
5000N	1	AP13	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in hallway.
5000N	1	AP14	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in Bookstore.
5000N	1	AP15	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount to drywall ceiling where existing access point is mounted. Use mount JY706A
5000N	1	AP16	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in Grizzly room.
5000N	1	AP17	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in Grizzly room.
5000N	1	AP18	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in Student Life Services.
5000N	1	AP19	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5150N.
5000N	1	AP20	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5154N.
5000N	2	AP01	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5201N.
5000N	2	AP02	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in storage room between 5209N and 5207N.
5000N	2	AP03	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount to Junior Beam where existing access point is mounted. Use bracket JW046A
5000N	2	AP04	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount to Junior Beam where existing access point is mounted. Use bracket JW046A
5000N	2	AP05	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount to Junior Beam where existing access point is mounted. Use bracket JW046A
5000N	2	AP06	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount to Junior Beam. Use bracket JW046A
5000S	1	AP01	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in Hallway.
5000S	1	AP02	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in conference room.
5000S	1	AP03	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5104S.
5000S	1	AP04	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5107S.
5000S	1	AP05	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5112S.
5000S	1	AP06	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5134S.
5000S	1	AP07	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5132S.
5000S	1	AP08	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5125S.
5000S	1	AP09	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5129S.
5000S	1	AP10	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount to beam in maintenance. Use bracket JW046A
5000S	2	AP01	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in hallway.
5000S	2	AP02	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in room 5210S.
5000S	2	AP03	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in Training Room.
5000S	2	AP04	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling near stairwell.
5000S	2	AP05	Aruba AP-325	Drop Ceiling	Internal	n/a	14	Internal	n/a	14	POE	Mount to drop ceiling in Facilities Management.
5000S	2	AP06	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount to beam over mezzanine. Use bracket JW046A

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Building	Floor	AP	Model	Ceiling Type	2.4 GHz			5 GHz			Power Option	AP Placement & Ant Orientation
					Ant Type	Ant Qty	TX Pwr	Ant Type	Ant Qty	TX Pwr		
2000	1	AP01	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, cube alcove, between 20-134 & 20-126
2000	1	AP02	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, walkway between between Haley Hobbs desk & empty desk
2000	1	AP03	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Boardroom 20-120
2000	1	AP04	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, lobby, current AP location
2000	1	AP05	Aruba AP-325	Flush	Internal	n/a	11	Internal	n/a	11	POE	Mount below drop tile, Clifford/Stone Community Room
2000	1	AP06	Aruba AP-325	Flush	Internal	n/a	11	Internal	n/a	11	POE	Mount below drop tile, Clifford/Stone Community Room
2000	1	AP07	Aruba AP-325	Flush	Internal	n/a	11	Internal	n/a	11	POE	Mount below drop tile, Clifford/Stone Community Room
2000	1	AP08	Aruba AP-325	Flush	Internal	n/a	11	Internal	n/a	11	POE	Mount below drop tile, Clifford/Stone Community Room
2000	1	AP09	Aruba AP-325	Flush	Internal	n/a	11	Internal	n/a	11	POE	Mount below drop tile, Clifford/Stone Community Room
2000	1	AP10	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, lobby outside Clifford/Stone Community Room
2000	1	AP11	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, hallway between Kitchen and Storage Room
2000	2	AP01	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Meeting Room
2000	2	AP02	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Conference Room
2000	2	AP03	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Reception Area
2000	2	AP04	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mouint below drop tile, Lobby Area
2000	0	AP01	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Meeting Room B - 20-009
2000	0	AP02	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Meeting Room B - 20-007
2000	0	AP03	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Lobby outside Meeting Room 20-008 Meeting Room A & 20-007 Meeting Room B
2000	0	AP04	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Call Center 20-005
2000	0	AP05	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Lobby area
900	1	AP01	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Room 925
900	1	AP02	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, hallway between header and room 921
900	1	AP03	Aruba AP-325	Recessed	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Accounts Recievable, Room 914
900	1	AP04	Aruba AP-325	Flat	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, hallway outside Room 917
900	1	AP05	Aruba AP-325	Recessed	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, inside Room 901
Stadium	3	AP01	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Guest Booth 315
Stadium	3	AP02	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Hallway outside door to 312
Stadium	3	AP03	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Home Media 309
Stadium	2	AP01	Aruba AP-325	Flush	Internal	n/a	11	Internal	n/a	11	POE	Mount below drop tile, even with door, Skybox 206
Stadium	2	AP02	Aruba AP-325	Flush	Internal	n/a	11	Internal	n/a	11	POE	Mount below drop tile, 2nd rail from back wall, Skybox 208

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Building	Floor	AP	Model	Ceiling Type	2.4 GHz			5 GHz			Power Option	AP Placement & Ant Orientation
					Ant Type	Ant Qty	TX Pwr	Ant Type	Ant Qty	TX Pwr		
Stadium	2	AP03	Aruba AP-325	Flush	Internal	n/a	11	Internal	n/a	11	POE	Mount below drop tile, 2nd rail from back wall, Skybox 210
Stadium	2	AP04	Aruba AP-325	Flush	Internal	n/a	11	Internal	n/a	11	POE	Mount below drop tile, 2nd rail from header, away from field, Hospitality area with low tables.
Stadium	2	AP05	Aruba AP-325	Flush	Internal	n/a	11	Internal	n/a	11	POE	Mount below drop tile, 2nd rail from back wall, Skybox 211
Stadium	2	AP06	Aruba AP-325	Flush	Internal	n/a	11	Internal	n/a	11	POE	Mount below drop tile, 2nd rail from back wall, Skybox 213
Stadium	2	AP07	Aruba AP-325	Flush	Internal	n/a	11	Internal	n/a	11	POE	Mount below drop tile, even with door, Skybox 215
Stadium	BSMT	AP01	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below Concrete, Team Meeting Room, North Locker Room, use bracket JY706A
Stadium	BSMT	AP02	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below Concrete, Hallway, North Locker Room, use bracket JY706A
Stadium	BSMT	AP03	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below Concrete, Team Meeting Room, South Locker Room, use bracket JY706A
Stadium	BSMT	AP05	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below Concrete, Hallway, South Locker Room, use bracket JY706A
500	1	AP01	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below concrete, players lounge, Men's Basketball Locker Room, use bracket JY706A
500	1	AP02	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below concrete, Men's Basketball Players Meeting Room, use bracket JY706A
500	1	AP03	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below concrete, Men's Locker Room - Lockers, use bracket JY706A
500	1	AP04	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below concrete, Athletic Ttraining, map location, use bracket JY706A
500	1	AP05	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below concrete, Athletic Training, taping area, map location, use bracket JY706A
500	1	AP06	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below concrete, Fitness Center Room 544, use bracket JY706A
500	1	AP07	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below concrete, Locker Room 543, use bracket JY706A
500	1	AP08	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below Concrete, Hallway, use bracket JY706A
500	1	AP09	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below concrete, Hallway outside Laundry Room 549, use bracket JY706A
500	1	AP10	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below concrete, hallway above ramp, use bracket JY706A
500	1	AP11	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below concrete, center of Away Locker Room, use bracket JY706A
500	1	AP12	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below concrete, Women's Basketball Team room, corner near cable penetration, use bracket JY706A
500	2	AP01	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, intersection of hallways, Between offices 507 & 506

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Building	Floor	AP	Model	Ceiling Type	2.4 GHz			5 GHz			Power Option	AP Placement & Ant Orientation
					Ant Type	Ant Qty	TX Pwr	Ant Type	Ant Qty	TX Pwr		
500	2	AP02	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Classroom 504
500	2	AP03	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Classroom 503
500	2	AP04	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Classroom 515
500	2	AP05	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Classroom 514
500	2	AP06	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Office 517
500	2	AP07	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Office 512
500	2	AP08	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, intersection of hallways
500	2	AP09	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, center of 2nd ceiling tile from Office 501, line up with power outlet
500	2	AP10	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, center of 2nd ceiling tile from Office 502, line up with power outlet
500	2	AP11	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Office 509
500	2	AP12	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Office 507
500	2	AP13	Aruba AP-325	Beam	Internal	n/a	11	Internal	n/a	14	POE	Mount below first beam from wall, above balcony, lined up with bleacher stairs, Use bracket JW046A
500	2	AP14	Aruba AP-325	Beam	Internal	n/a	11	Internal	n/a	14	POE	Mount below first beam from wall, above balcony, lined up with bleacher stairs, Use bracket JW046A
500	2	AP15	Aruba AP-325	Beam	Internal	n/a	11	Internal	n/a	14	POE	Mount below first beam from wall, above balcony, lined up with bleacher stairs, Use bracket JW046A
500	2	AP16	Aruba AP-325	Beam	Internal	n/a	11	Internal	n/a	14	POE	Mount below first beam from wall, above balcony, lined up with bleacher stairs, Use bracket JW046A
500	2	AP17	Aruba AP-325	Beam	Internal	n/a	11	Internal	n/a	14	POE	Mount below first beam from wall, above balcony, lined up with bleacher stairs, Use bracket JW046A
500	2	AP18	Aruba AP-325	Beam	Internal	n/a	11	Internal	n/a	14	POE	Mount below first beam from wall, above balcony, lined up with bleacher stairs, Use bracket JW046A
500	2	AP19	Aruba AP-325	Wall	Internal	n/a	14	Internal	n/a	14	POE	Mount below beam, center of Volleyball Gym - In Protective Cage
1900	1	AP01	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Offensive Meeting Room, 18-114a
1900	1	AP02	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, intersection of hallways
1900	1	AP03	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Team Meeting Room 19-123b
1900	1	AP04	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Office 19-107
1900	1	AP05	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount below double-wide beam, between columns with pads, use bracket JW047A
1900	1	AP06	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount below beam, between air ducts, Use bracket JW046A
1600	1	AP01	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Classroom 16-100
1600	1	AP02	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, area between offices
1600	1	AP03	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Red 1 16-119
1600	1	AP04	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Green 1B 16-110
1600	1	AP05	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile Blue 1, 16-117

Wireless Site Survey - Access Point Details

Butler Community College

Building	Floor	AP	Model	Ceiling Type	2.4 GHz			5 GHz			Power Option	AP Placement & Ant Orientation
					Ant Type	Ant Qty	TX Pwr	Ant Type	Ant Qty	TX Pwr		
1600	1	AP06	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Blue 2, 16-116
1600	1	AP07	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Yellow 1, 16-113
1600	1	AP08	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Green 1a 16-111a
1600	1	AP09	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, hallway between 16-110 & 16-111
800	1	AP01	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, hallway between overhead light and door to Office 804c
800	1	AP02	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, hallway map location
800	1	AP03	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Classroom 802
800	1	AP04	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Classroom 806
800	2	AP01	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, hallway between 800 & 801
800	2	AP02	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Classroom 801
700	1	AP01	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount below beam, Dance Studio 766, Use bracket JW046A
700	1	AP02	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, lobby outside 761 & 766
700	1	AP03	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, hallway between Dance studio and Lobby
700	1	AP04	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Dancehall 717
700	1	AP05	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, hallway lined up with the Door to Studio D
700	1	AP06	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Men's Dressing Room, 716
700	1	AP07	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below concrete, Women's Dressing Room, 715, use bracket JY706A
700	1	AP08	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Office 714
700	1	AP09	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount beam beam, Scene Workshop, 719, Use bracket JW046A
700	1	AP10	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, 732
700	1	AP11	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount below beam, center of White Gallery of Art, Use bracket JW046A
700	1	AP12	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, 726
700	1	AP13	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, 725
700	1	AP14	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, 722
700	1	AP15	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, 725
700	1	AP16	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, intersection of hallways
700	1	AP17	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, 728
700	1	AP18	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, 733
700	1	AP19	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Hallway outside 730
700	1	AP20	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, hallway
700	1	AP21	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, lobby to Auditorium
700	1	AP22	Aruba AP-325	Hard Pan	Internal	n/a	11	Internal	n/a	11	POE	Mount below catwalk, centered above seating area. Use bracket JW046A

Wireless Site Survey - Access Point Details



Butler Community College

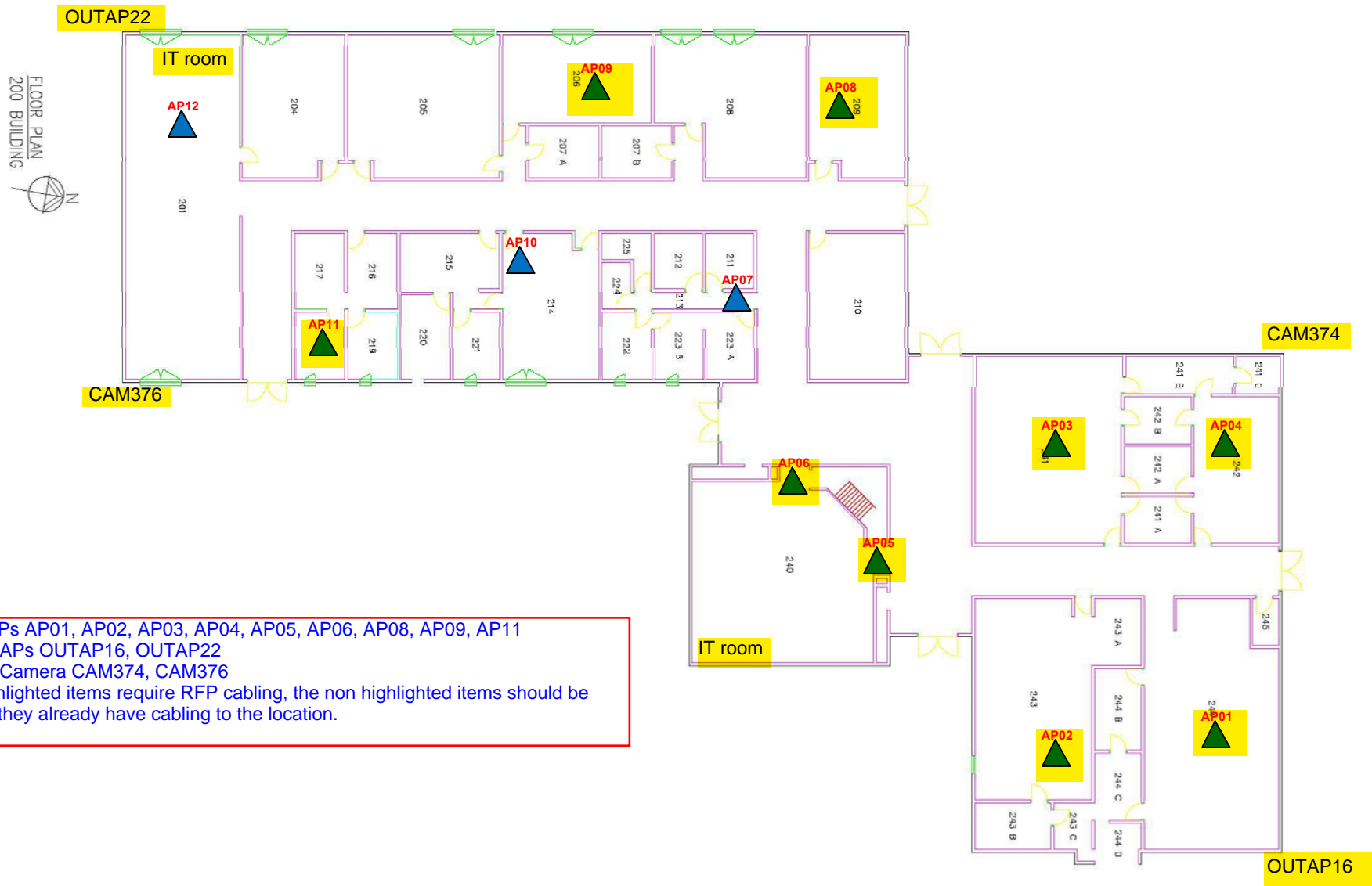
Building	Floor	AP	Model	Ceiling Type	2.4 GHz			5 GHz			Power Option	AP Placement & Ant Orientation
					Ant Type	Ant Qty	TX Pwr	Ant Type	Ant Qty	TX Pwr		
700	1	AP23	Aruba AP-325	Hard Pan	Internal	n/a	11	Internal	n/a	11	POE	Mount below catwalk, centered above seating area, above seat 105, use bracket JW046A
700	1	AP24	Aruba AP-325	Hard Pan	Internal	n/a	11	Internal	n/a	11	POE	Mount below catwalk, centered above seating area, above seat 6, use bracket JW046A
700	0	AP01	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below hard pan, Basement Pocket Theater, Tornado Shelter, use bracket JY706A
1400	1	AP01	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, hallway
1400	1	AP02	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, lounge area
1400	1	AP03	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Room 1401
1400	1	AP04	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Room 1409
1400	1	AP05	Aruba AP-325	Flush	Internal	n/a	14	Internal	n/a	14	POE	Mount below drop tile, Room 1413, Shelter Room
1400	1	AP06	Aruba AP-325	Hard Pan	Internal	n/a	14	Internal	n/a	14	POE	Mount below steel ceiling, Room 1410, use bracket JW047A
1400	1	AP07	Aruba AP-325	Beam	Internal	n/a	14	Internal	n/a	14	POE	Mount below unistrut, above main breaker box, approx 20ft
	Total AP Count	253										



- Inside Aps AP02, AP03, AP04, AP05, AP06, AP07
- Outside APs OUTAP20, OUTAP21
- Exterior Camera EXCAM353
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.


FLOOR PLAN
100 BUILDING

Legend		TITLE	
	Aruba AP-325	New Access Point Locations – Building 100	
		DESCRIPTION	
		This diagram shows the location of new installation locations for access points.	
CUSTOMER Butler		REVISION 1	DWG NO 1
DRAWN BY Brian Kolasinski		SCALE NA	SHEET 1 OF 31
DATE 10/16/17			



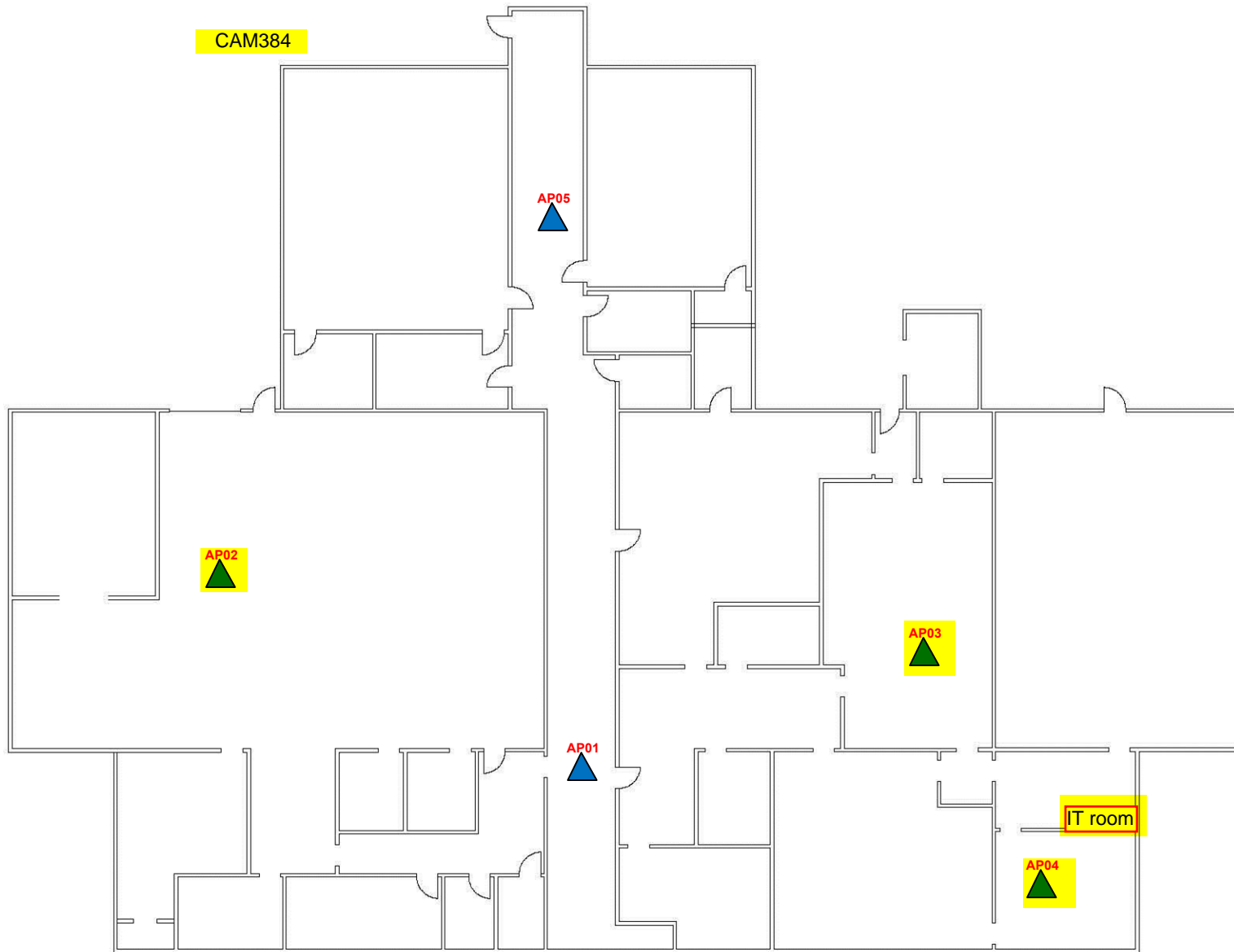
- Inside APs AP01, AP02, AP03, AP04, AP05, AP06, AP08, AP09, AP11
- Outside APs OUTAP16, OUTAP22
- Exterior Camera CAM374, CAM376
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend

 Aruba AP-325




TITLE			
New Access Point Locations – Building 200			
DESCRIPTION			
This diagram shows the location of new installation locations for access points.			
CUSTOMER		REVISION	
Butler		1	
DRAWN BY		DWG NO	
Brian Kolasinski		1	
DATE		SCALE	
10/16/17		NA	
		SHEET	
		2 OF 31	



- Inside APs AP02, AP03, AP04
- Outside APs none
- Exterior Camera CAM384
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend

 Aruba AP-325



TITLE

New Access Point Locations – Building 300 – Floor 1

DESCRIPTION

This diagram shows the location of new installation locations for access points.

CUSTOMER

Butler

DRAWN BY

Brian Kolasinski

DATE

10/16/17

REVISION

1

DWG NO

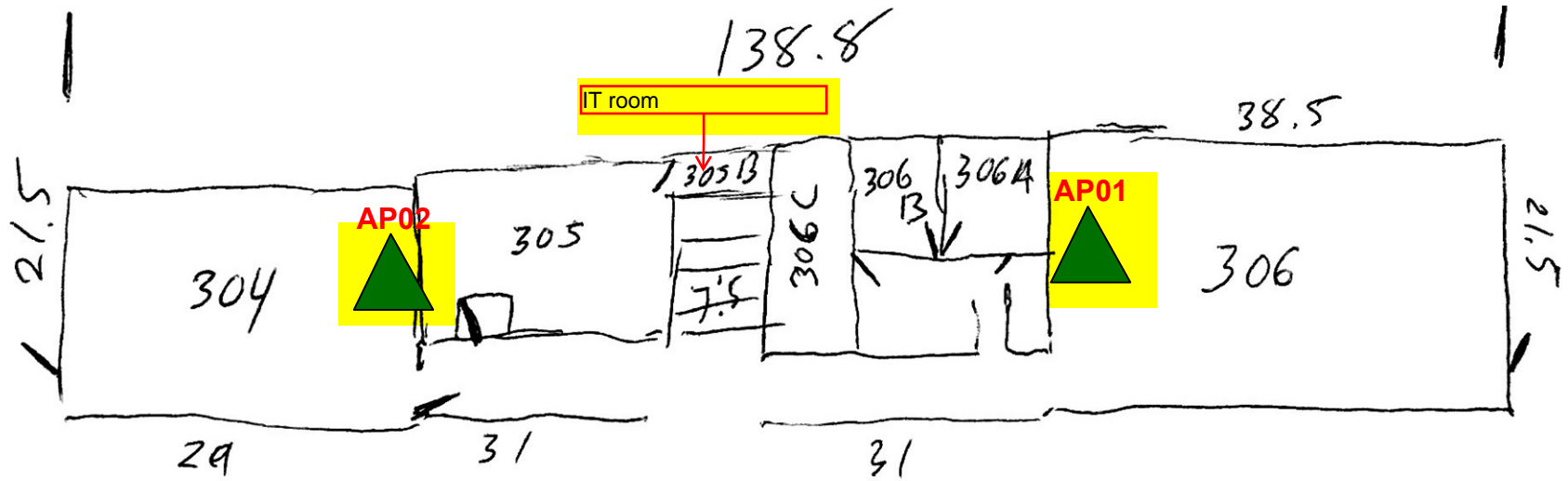
1

SCALE

NA


SHEET

3 OF 31



- Inside APs AP01, AP02
- Outside APs none
- Exterior Camera none
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend

 Aruba AP-325



TITLE

New Access Point Locations - Building 300 - Floor 2

DESCRIPTION

This diagram shows the location of new installation locations for access points.

CUSTOMER

Butler

DRAWN BY

Brian Kolasinski

DATE

10/16/17

REVISION

1

DWG NO

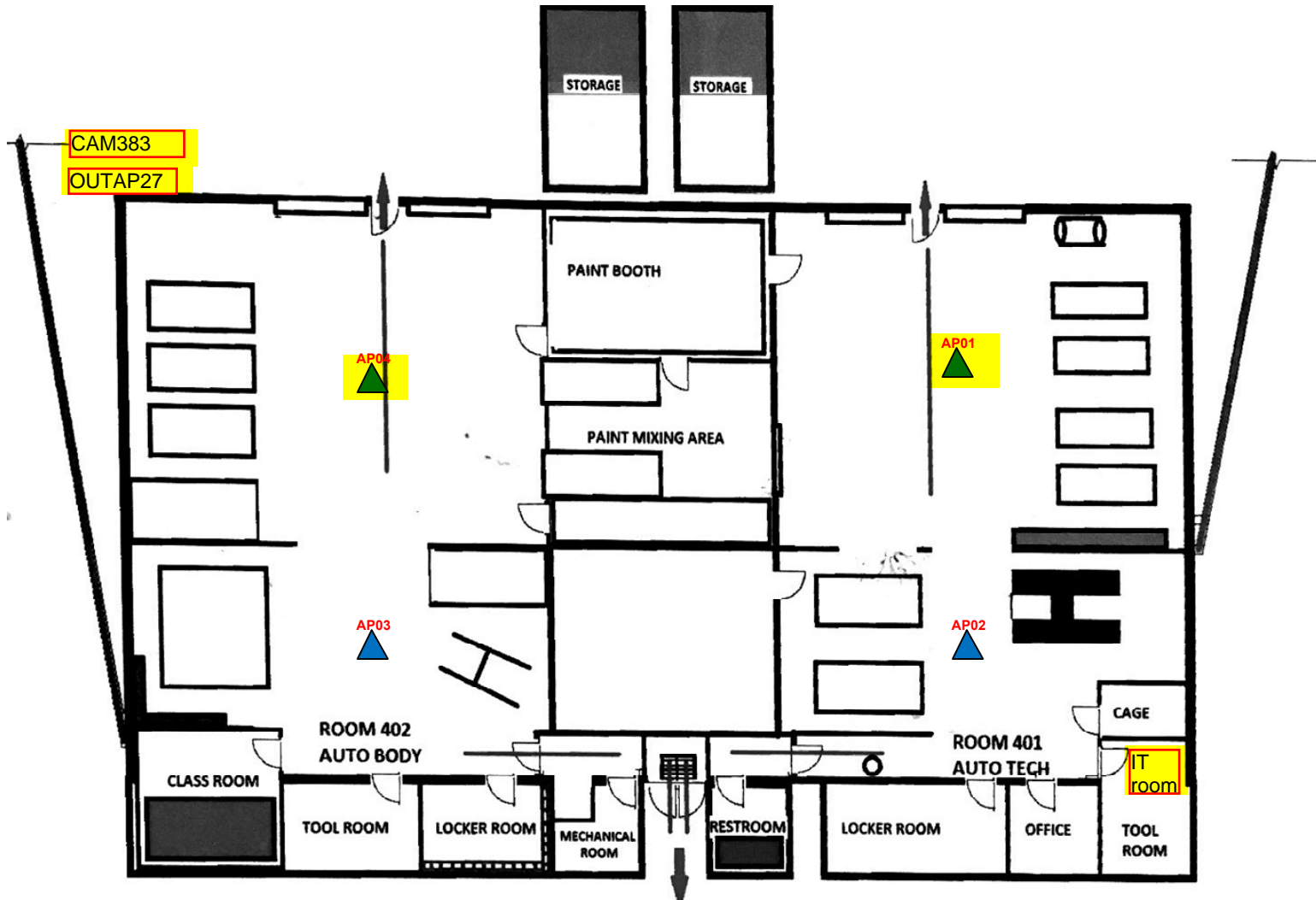
1

SCALE

NA


SHEET

4 OF 31



- Inside APs AP01, AP04
- Outside APs OUTAP27
- Exterior Camera CAM383
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend

 Aruba AP-325



TITLE

New Access Point Locations – Building 400 – Floor 1

DESCRIPTION

This diagram shows the location of new installation locations for access points.

CUSTOMER

Butler

DRAWN BY

Brian Kolasinski

DATE

10/16/17

REVISION

1

DWG NO

1

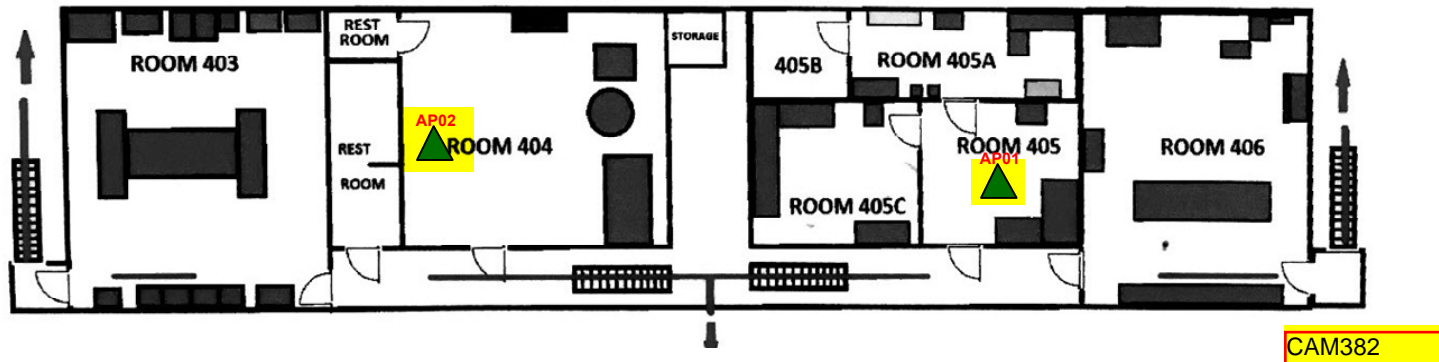
SCALE

NA

SHEET

5 OF 31

UPPER LEVEL



- Inside APs AP01, AP02
- Outside APs none
- Exterior Camera CAM382
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend

Aruba AP-325



TITLE

New Access Point Locations – Building 400 – Floor 2

DESCRIPTION

This diagram shows the location of new installation locations for access points.

CUSTOMER

Butler

DRAWN BY

Brian Kolasinski

DATE

10/16/17

REVISION

1

DWG NO

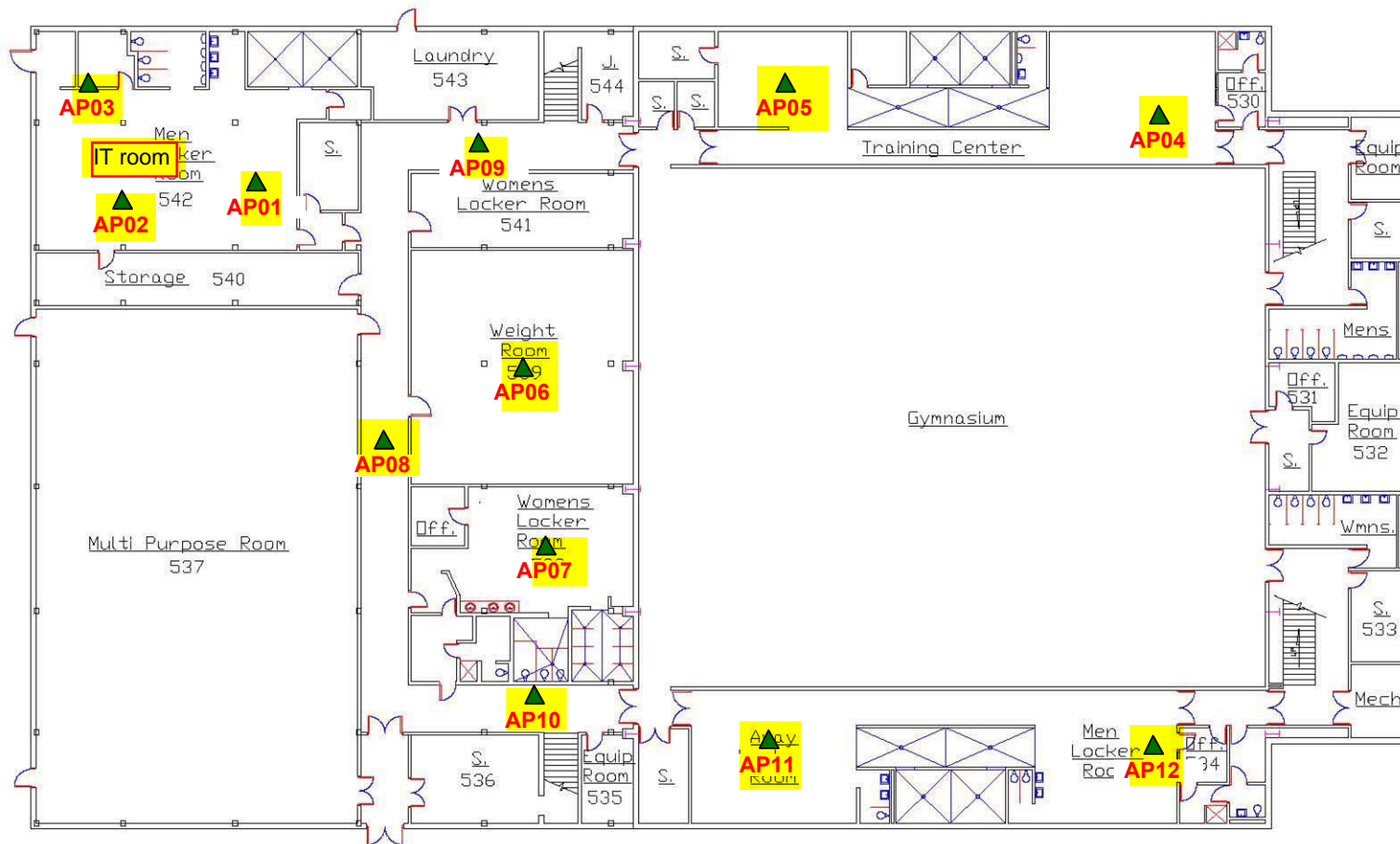
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SCALE

NA

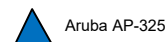
SHEET

6 OF 31



- Inside APs AP01, AP02, AP03, AP04, AP05, AP06, AP08, AP09, AP10, AP11, AP12
- Outside APs none
- Exterior Camera none
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend



Aruba AP-325



TITLE

New Access Point Locations – Building 500 – Floor 1

DESCRIPTION

This diagram shows the location of new installation locations for access points.

CUSTOMER

Butler

DRAWN BY

Joe Widowski

DATE

10/16/17

REVISION

1

DWG NO

1

SCALE

NA

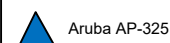
SHEET

7 OF 31



- Inside APs AP01, AP02, AP03, AP04, AP05, AP06, AP08, AP09, AP10, AP11, AP12, AP13, AP14, AP15, AP16, AP17, AP18
- Outside APs OUTAP33, OUTAP34, OUTAP38
- Exterior Camera CAM379
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend



Aruba AP-325



CUSTOMER

Butler

DRAWN BY

Joe Widowski

DATE

10/16/17

TITLE

New Access Point Locations - Building 500 - Floor 2

DESCRIPTION

This diagram shows the location of new installation locations for access points.

REVISION

1

DWG NO

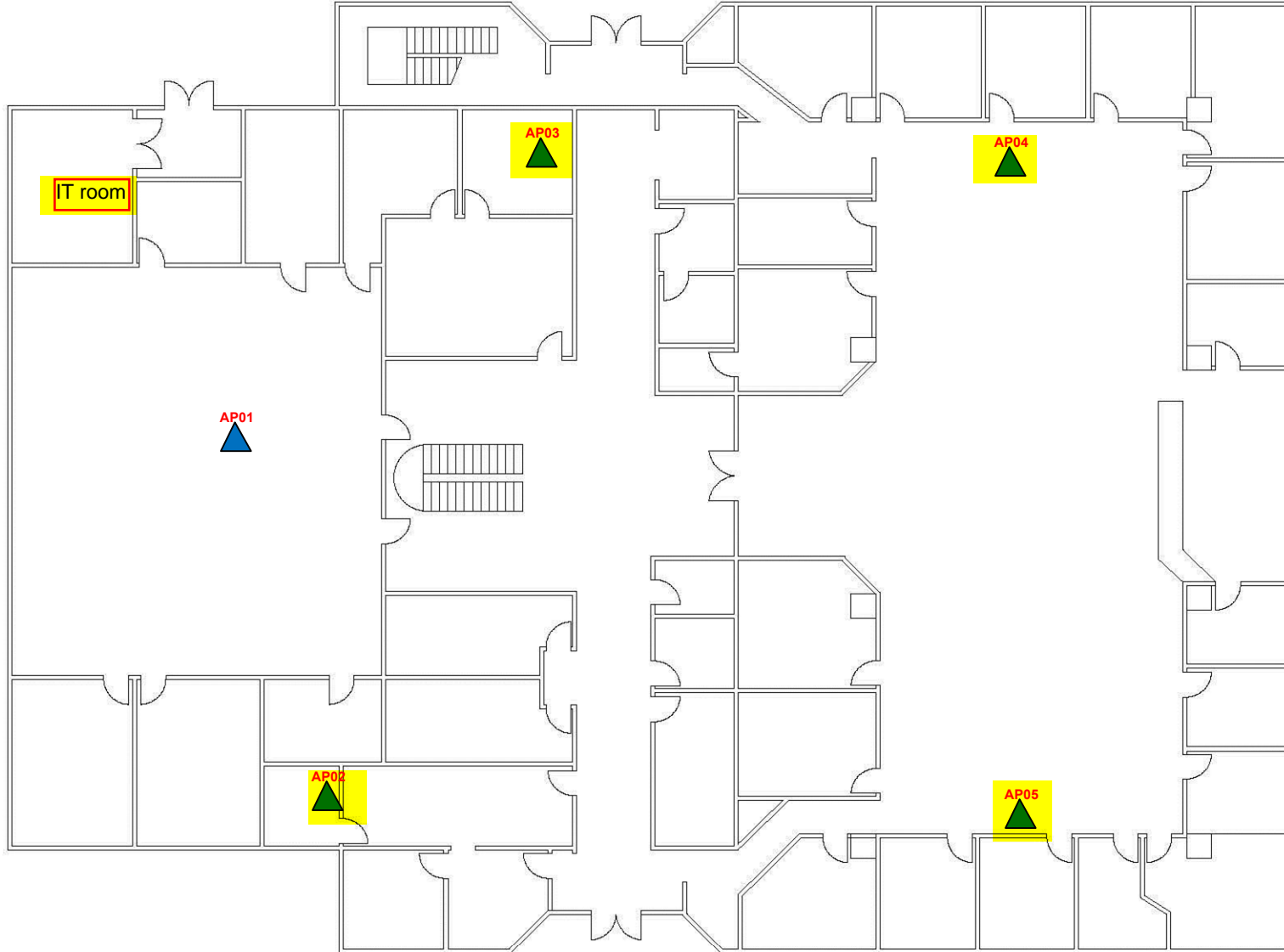
1

SCALE

NA


SHEET

8 OF 31



- Inside APs AP02, AP03, AP04, AP05
- Outside APs none
- Exterior Camera none
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend

 Aruba AP-325



TITLE

New Access Point Locations – Building 600 – Floor 1

DESCRIPTION

This diagram shows the location of new installation locations for access points.

CUSTOMER

Butler

DRAWN BY

Brian Kolasinski

DATE

10/16/17

REVISION

1

DWG NO

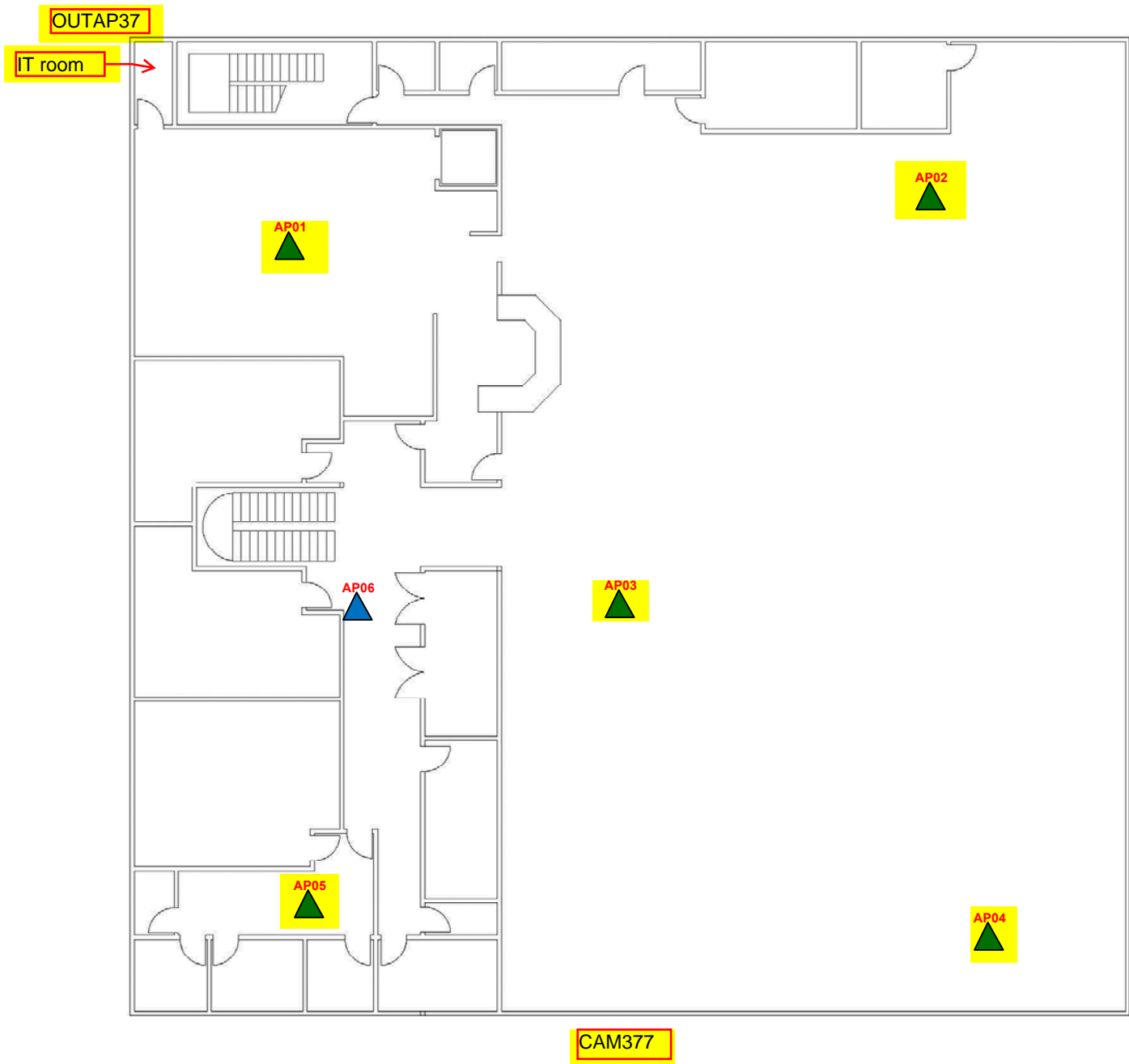
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SCALE


NA

SHEET

9 OF 31

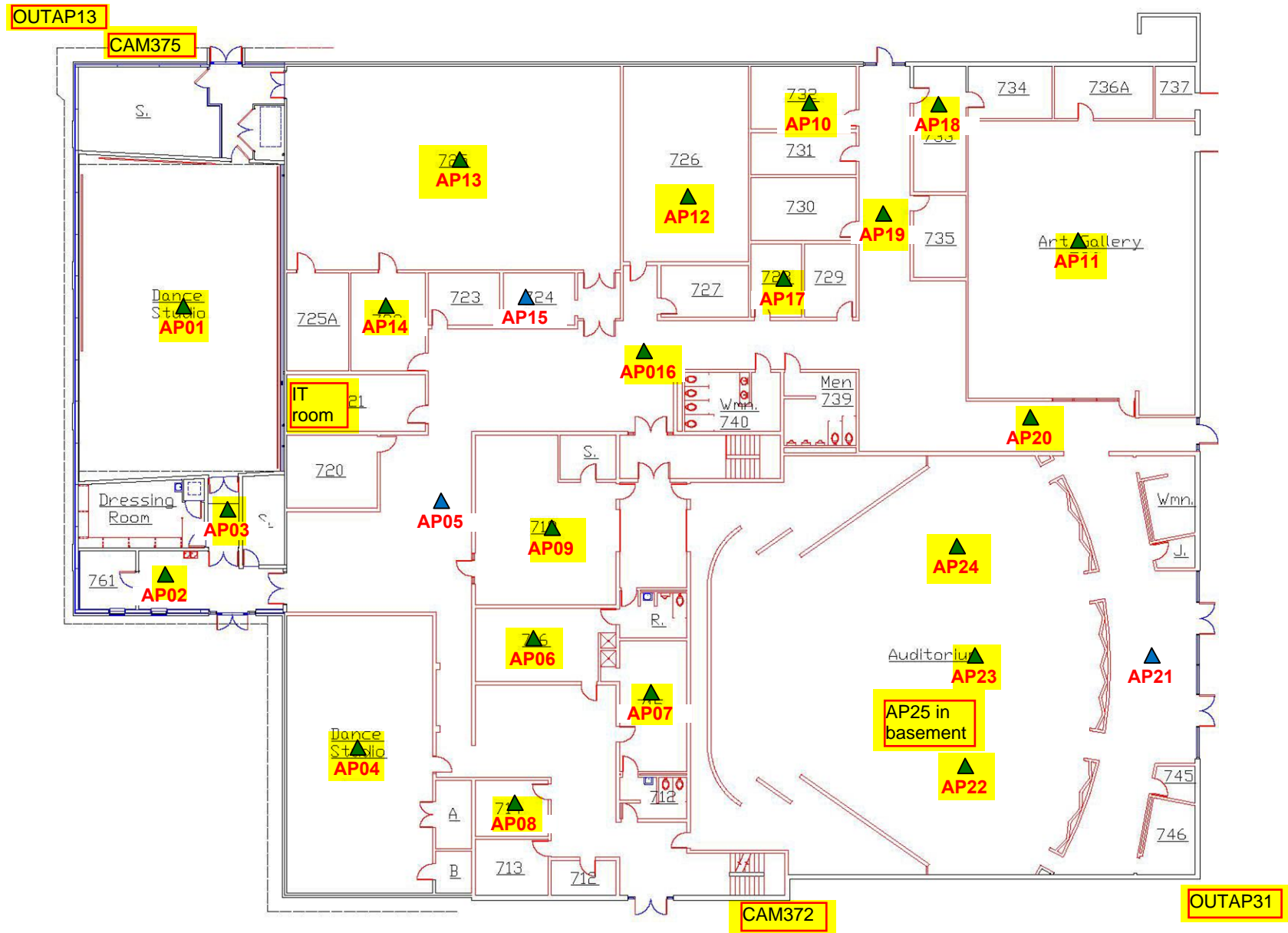


- Inside APs AP01, AP02, AP03, AP04, AP05
- Outside APs OUTAP37
- Exterior Camera CAM377
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend
 Aruba AP-325





TITLE New Access Point Locations – Building 600 – Floor 2		
DESCRIPTION This diagram shows the location of new installation locations for access points.		
CUSTOMER Butler	REVISION 1	DWG NO 1
DRAWN BY Brian Kolasinski	SCALE NA	SHEET 10 OF 31
DATE 10/16/17		



- Inside APs AP01, AP02, AP03, AP04, AP06, AP08, AP09, AP10, AP11, AP12, AP13, AP14, AP16, AP17, AP18, AP19, AP20, AP22, AP23, AP24, AP25
- Outside APs OUTAP13, OUTAP31
- Exterior Camera CAM375, CAM372
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend

 Aruba AP-325



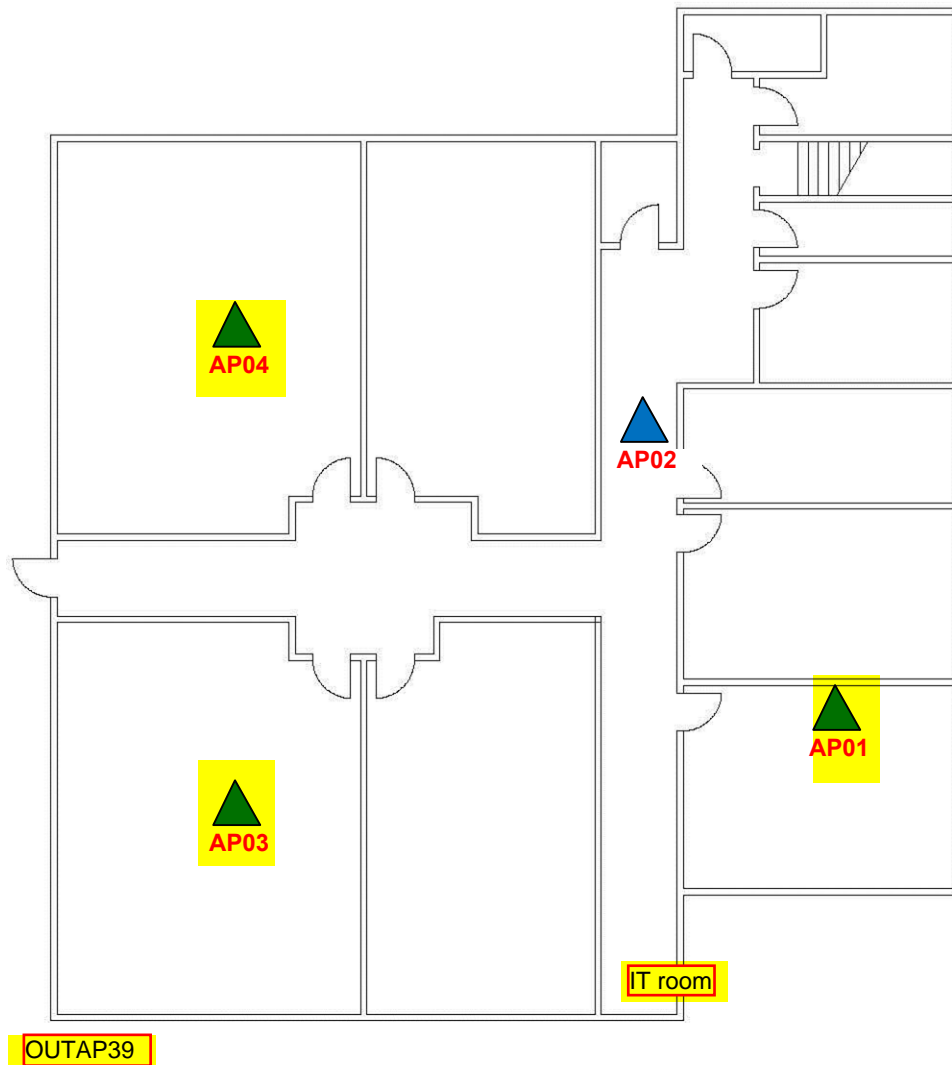
CUSTOMER
Butler

DRAWN BY
Joe Widowski

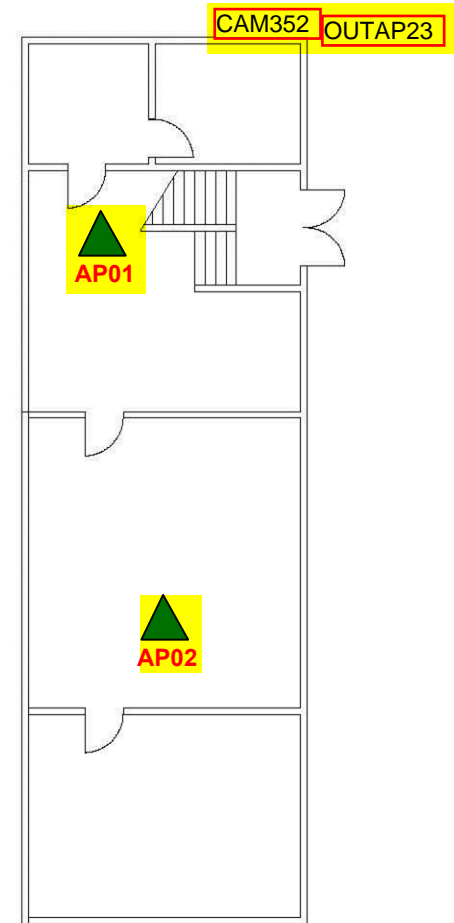
DATE
10/16/17

TITLE New Access Point Locations – Building 700		
DESCRIPTION This diagram shows the location of new installation locations for access points.		
REVISION 1	DWG NO 1	
SCALE NA	SHEET 11 OF 31	

Lower level



Upper level



- Inside APs Lower level AP01, AP03, AP04 Upper Level AP01, AP02
- Outside APs OUTAP23, OUTAP39
- Exterior Camera CAM352
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend



Aruba AP-325



TITLE

New Access Point Locations – Building 800

DESCRIPTION

This diagram shows the location of new installation locations for access points.

CUSTOMER

Butler

DRAWN BY

Joe Widowski

DATE

10/16/17

REVISION

1

DWG NO

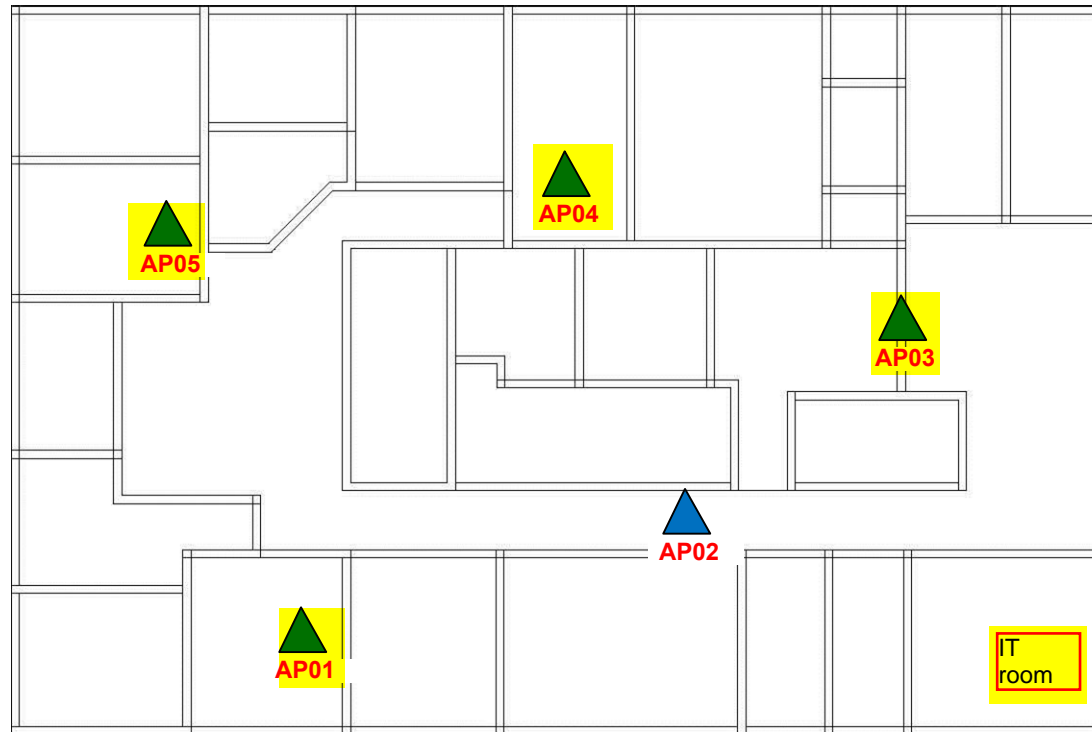
1

SCALE

NA

SHEET


12 OF 31



OUTAP32

- Inside APs AP01, AP03, AP04, AP05
- Outside APs OUTAP32
- Exterior Camera none
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend

 Aruba AP-325



TITLE

New Access Point Locations – Building 900

DESCRIPTION

This diagram shows the location of new installation locations for access points.

CUSTOMER

Butler

DRAWN BY

Joe Widowski

DATE

10/16/17

REVISION

1

DWG NO

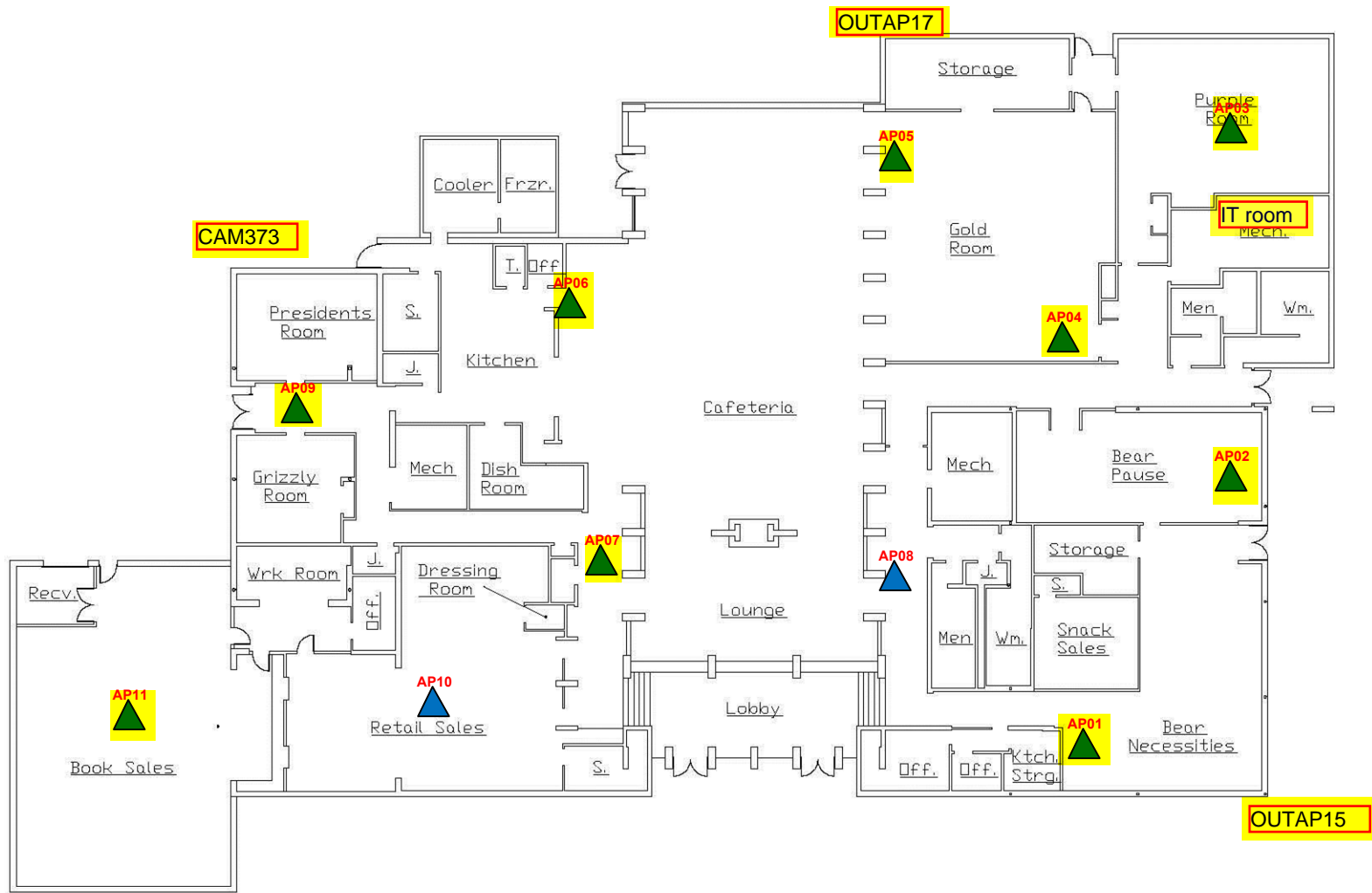
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SCALE


NA


SHEET

13 OF 31

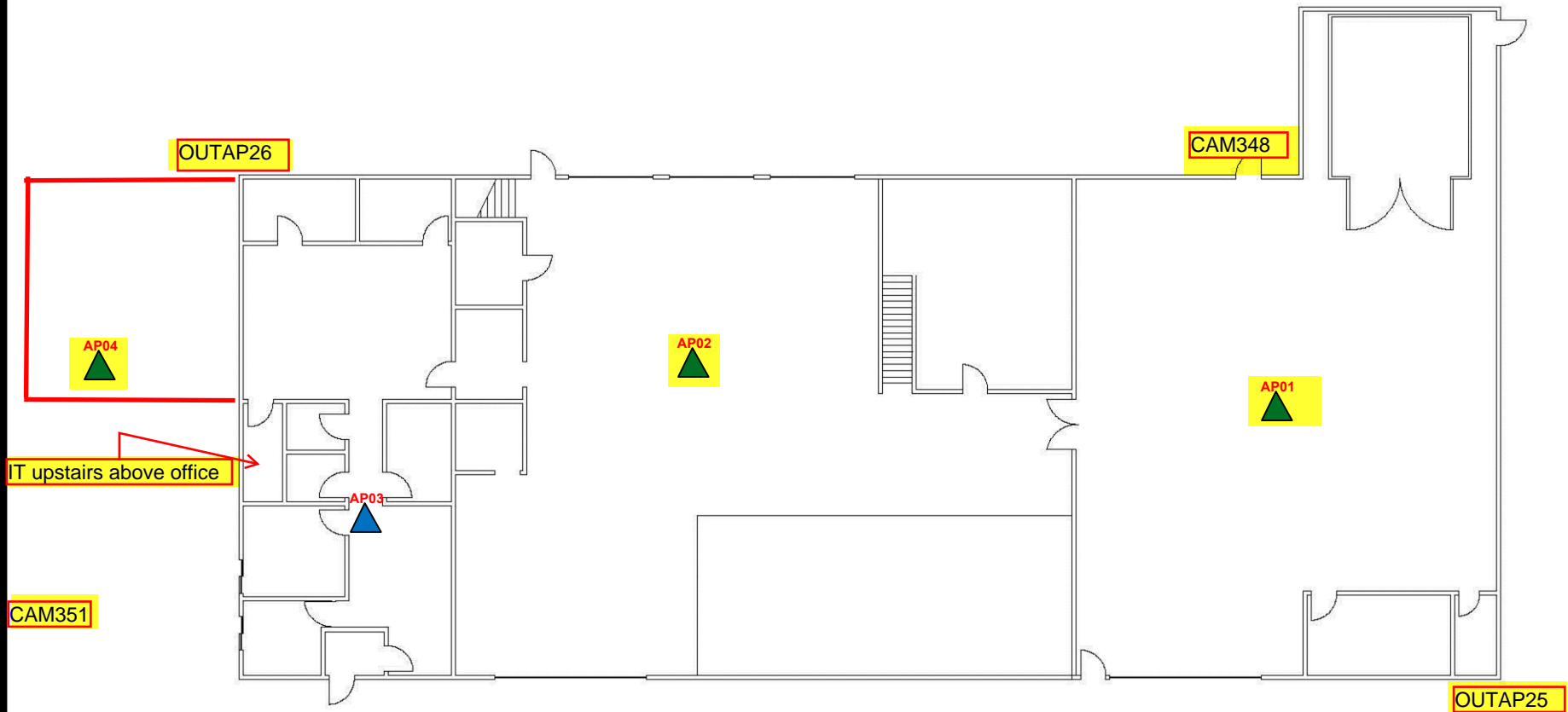


- Inside APs AP01, AP02, AP03, AP04, AP05, AP06, AP09, AP11
- Outside APs OUTAP15, OUTAP17
- Exterior Camera CAM373
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.


Legend	
	Aruba AP-325


	
CUSTOMER Butler	
DRAWN BY Brian Kolasinski	
DATE 10/16/17	

TITLE			
New Access Point Locations – Building 1000			
DESCRIPTION			
This diagram shows the location of new installation locations for access points.			
REVISION 1		DWG NO 1	
SCALE NA	SHEET 14 OF 31		



- Inside APs AP01, AP02, AP04
- Outside APs OUTAP25, OUTAP26
- Exterior Camera CAM348, CAM351
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

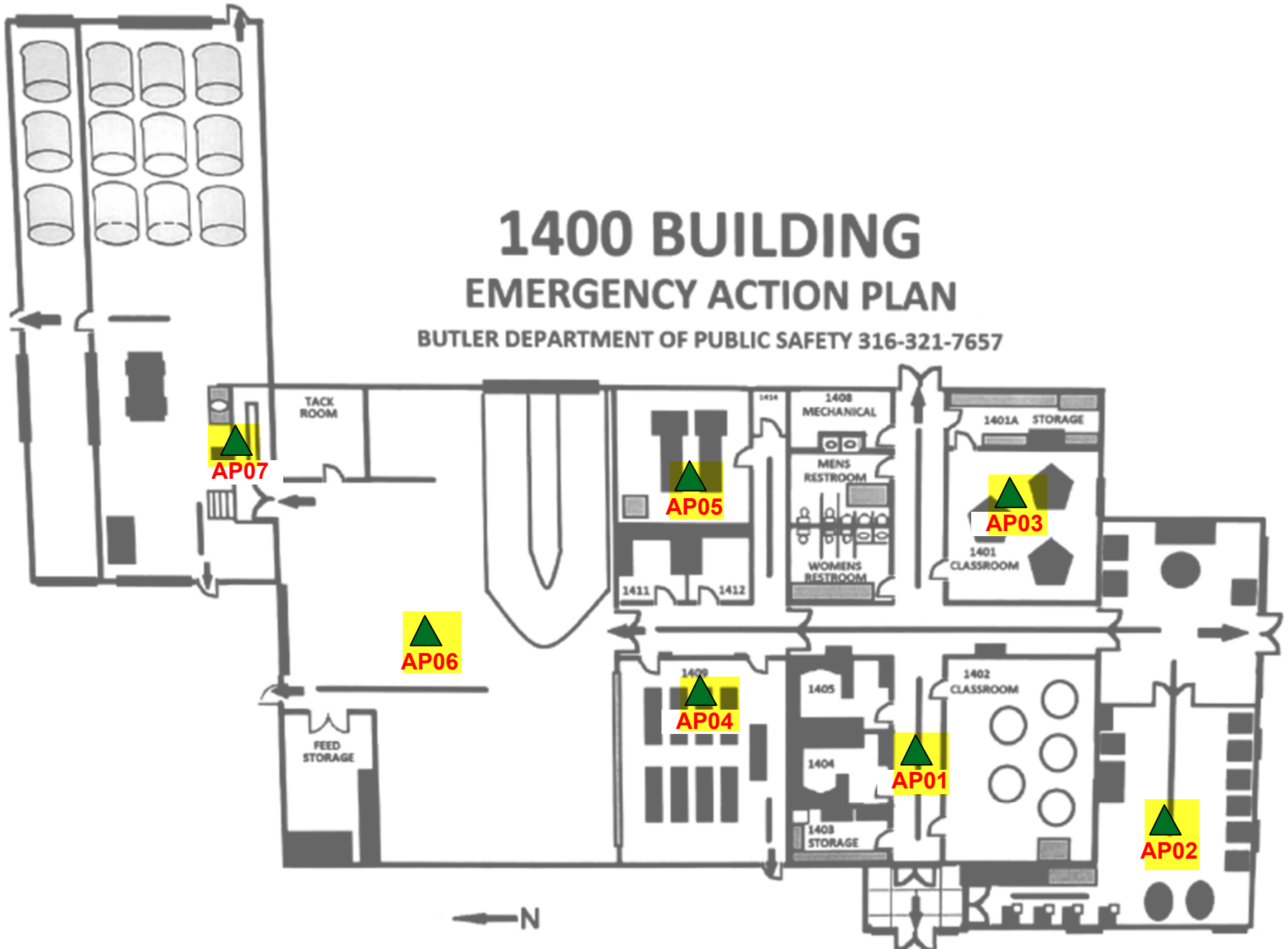
Legend
 Aruba AP-325

		TITLE	
		New Access Point Locations – Building 1200	
CUSTOMER		DESCRIPTION	
Butler		This diagram shows the location of new installation locations for access points.	
DRAWN BY	REVISION	DWG NO	
Brian Kolasinski	1	1	
DATE	SCALE	NA	SHEET
10/16/17			15 OF 31

TITLE	
New Access Point Locations – Building 1200	
DESCRIPTION	
This diagram shows the location of new installation locations for access points.	
REVISION	DWG NO
1	1
SCALE	SHEET
NA	15 OF 31

1400 BUILDING EMERGENCY ACTION PLAN

BUTLER DEPARTMENT OF PUBLIC SAFETY 316-321-7657



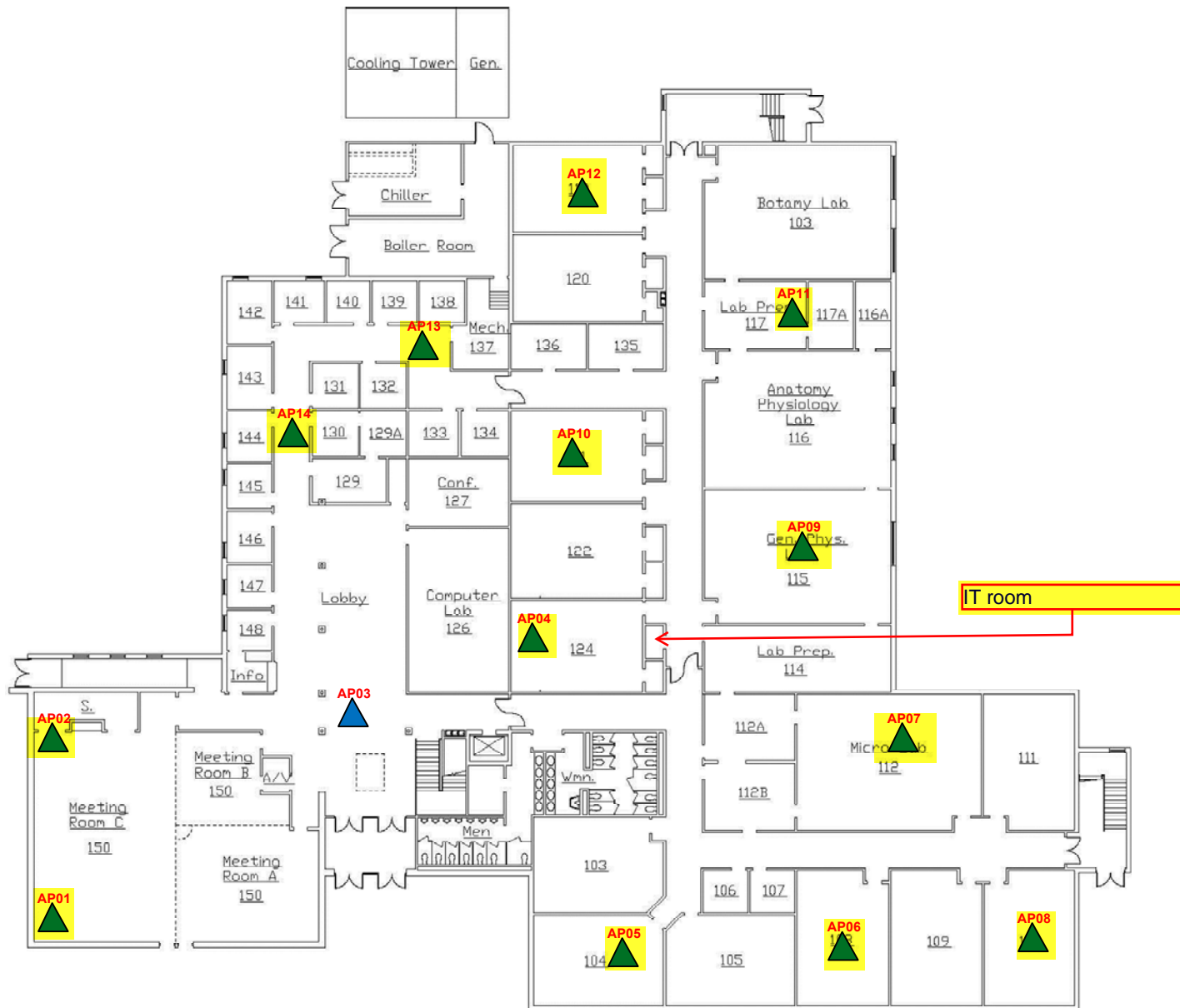
➔ IN CASE OF FIRE, FOLLOW EVACUATION ROUTE NOTATED ON THIS PLAN. EMERGENCY EVACUATION AREA IS PASTURE AREA WEST OF BUILDING.

- Inside APs AP01, AP02, AP03, AP04, AP05, AP06, AP07
- Outside APs none
- Exterior Camera none
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend
▲ Aruba AP-325



TITLE New Access Point Locations – Building 1400		
DESCRIPTION This diagram shows the location of new installation locations for access points.		
CUSTOMER Butler	REVISION 1	DWG NO 1
DRAWN BY Joe Widowski	SCALE NA	SHEET 16 OF 31
DATE 10/16/17		



- Inside APs AP01, AP02, AP04, AP05, AP06, AP08, AP09, AP10, AP11, AP12, AP13, AP14
- Outside APs none
- Exterior Camera none
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend

 Aruba AP-325



TITLE

New Access Point Locations – Building 1500 – Floor 1

DESCRIPTION

This diagram shows the location of new installation locations for access points.

CUSTOMER

Butler

DRAWN BY

Brian Kolasinski

DATE

10/16/17

REVISION

1

DWG NO

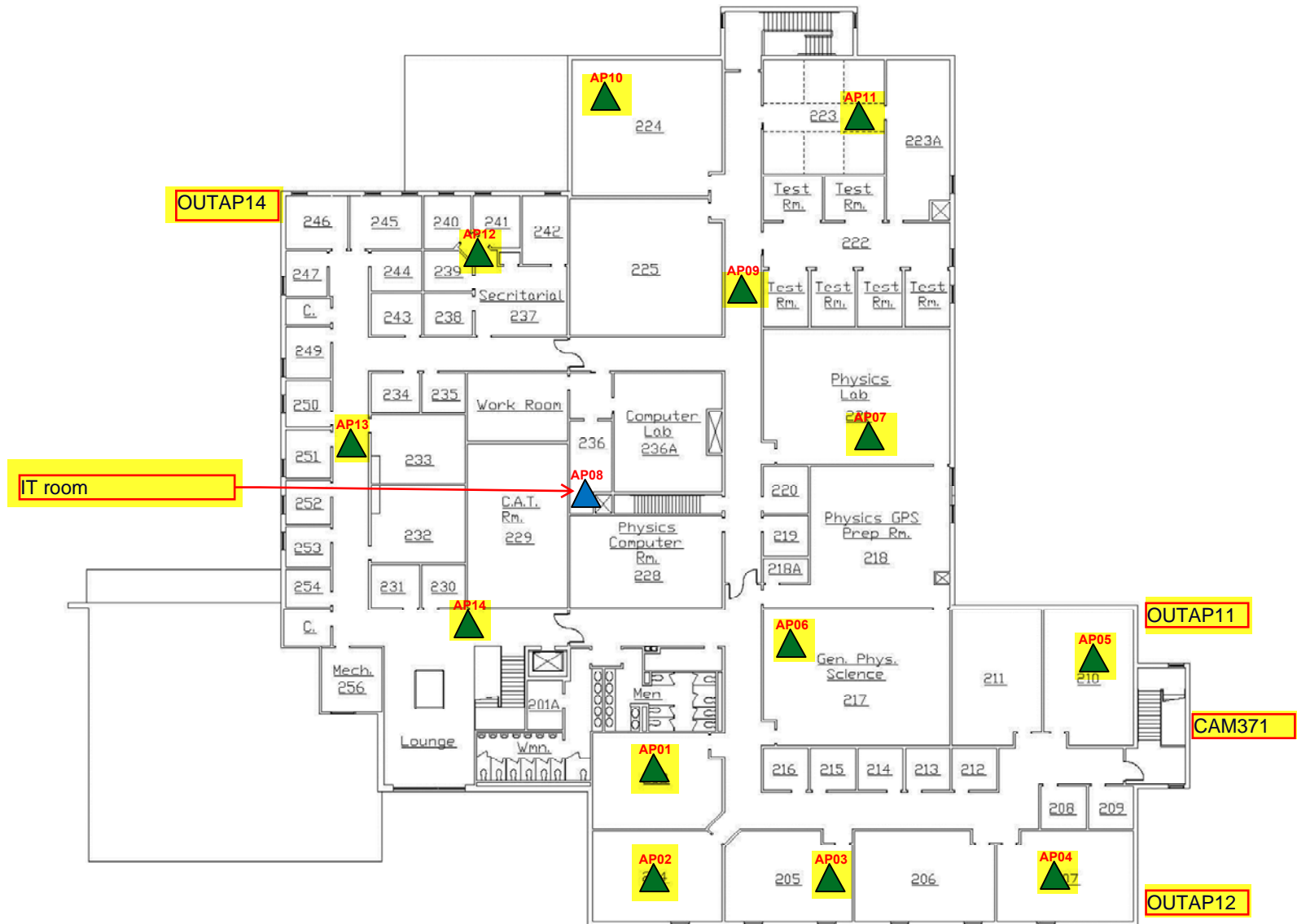
1

SCALE


NA


SHEET

17 OF 31

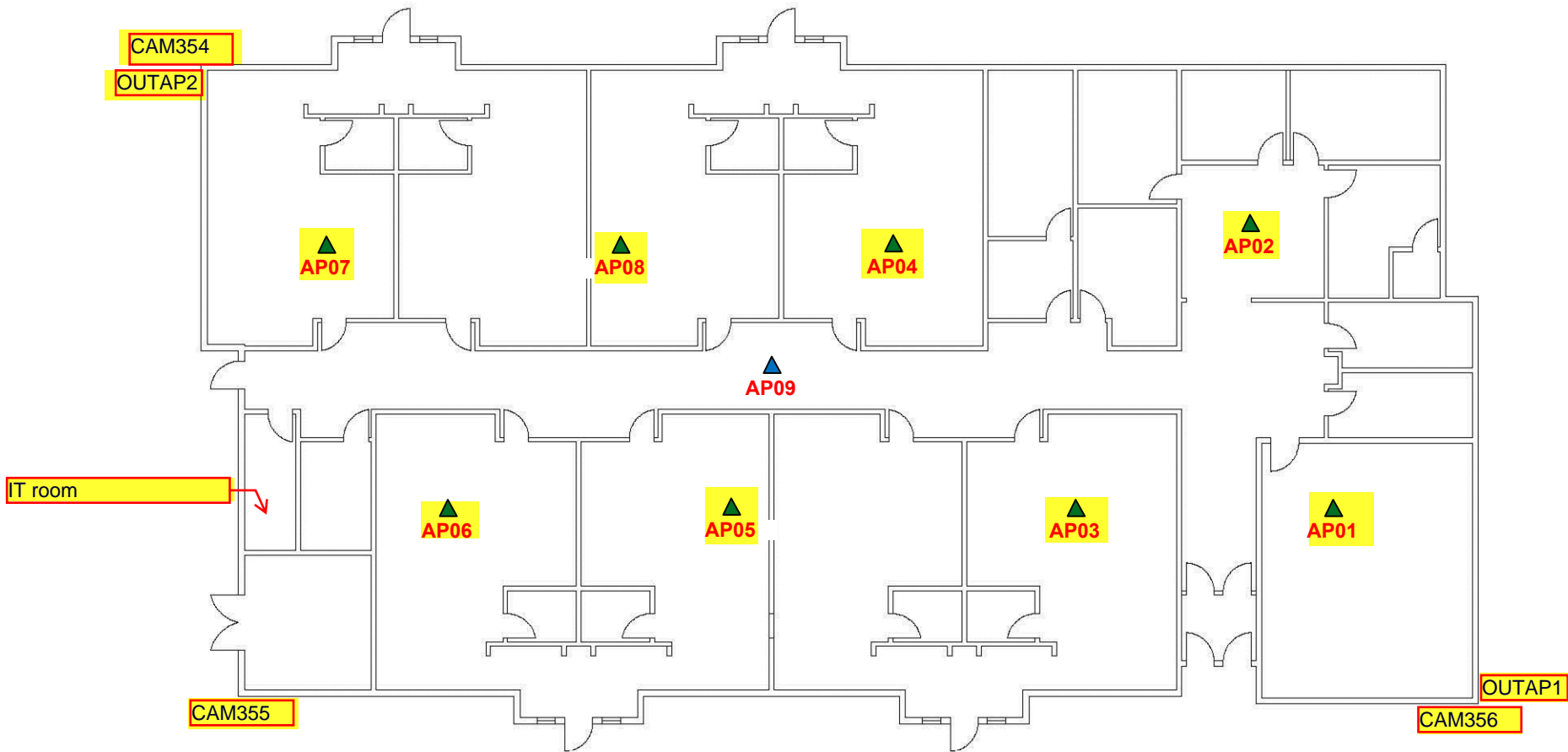


- Inside APs AP01, AP02, AP03, AP04, AP05, AP06, AP09, AP10, AP11, AP12, AP13, AP14
- Outside APs OUTAP11, OUTAP12, OUTAP14
- Exterior Camera CAM371
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend	
	Aruba AP-325


	
CUSTOMER Butler	
DRAWN BY Brian Kolasinski	
DATE 10/16/17	

TITLE New Access Point Locations – Building 1500 – Floor 2			
DESCRIPTION This diagram shows the location of new installation locations for access points.			
REVISION 1		DWG NO 1	
SCALE NA	SHEET 18 OF 31		



- Inside APs AP01, AP02, AP03, AP04, AP05, AP06, AP08
- Outside APs OUTAP1, OUTAP2
- Exterior Camera CAM354, CAM355, CAM356
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend

 Aruba AP-325



TITLE

New Access Point Locations – Building 1600

DESCRIPTION

This diagram shows the location of new installation locations for access points.

CUSTOMER

Butler

DRAWN BY

Joe Widowski

DATE

10/16/17

REVISION

1

DWG NO

1

SCALE

NA


SHEET

19 OF 31



- Inside APs AP01
- Outside APs OUTAP24
- Exterior Camera CAM349, CAM350
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend

 Aruba AP-325



TITLE

New Access Point Locations – Building 1700

DESCRIPTION

This diagram shows the location of new installation locations for access points.

CUSTOMER

Butler

DRAWN BY

Brian Kolasinski

DATE

10/16/17

REVISION

1

DWG NO

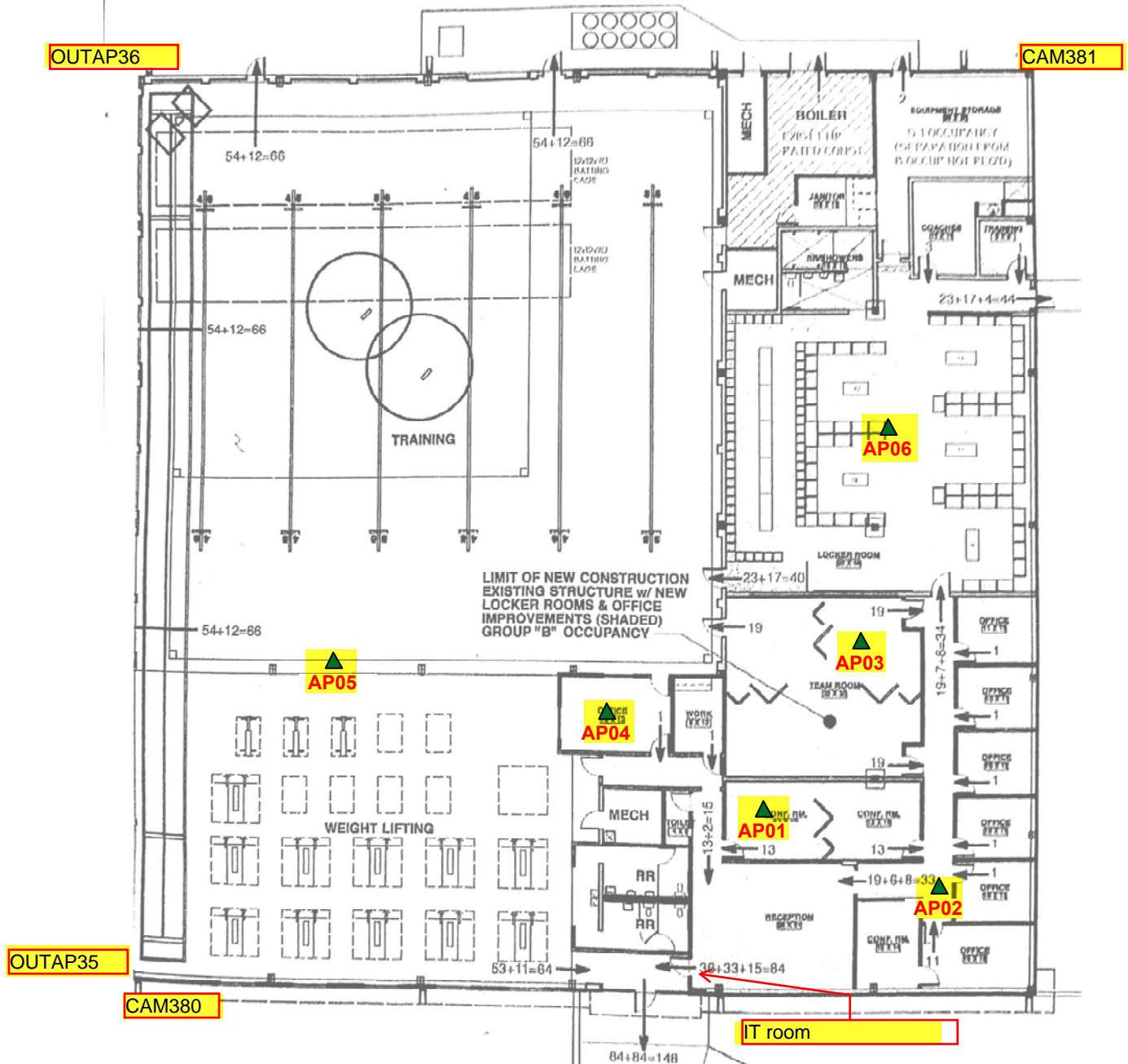
1

SCALE

NA


SHEET

20 OF 31



- Inside APs AP01, AP02, AP03, AP04, AP05, AP06
- Outside APs OUTAP35, OUTAP36
- Exterior Camera CAM380, CAM381
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend

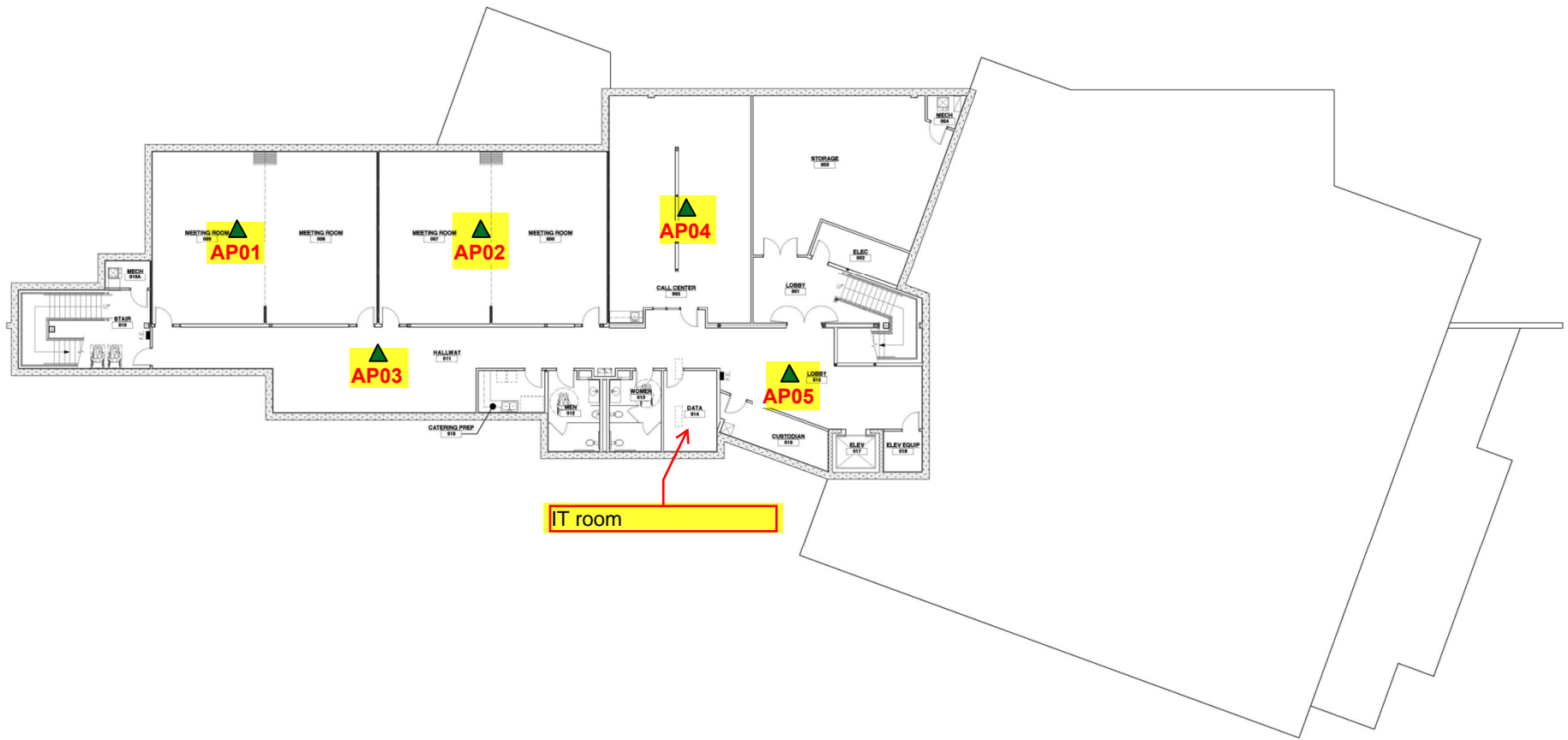
 Aruba AP-325



TITLE			
New Access Point Locations – Building 1900			
DESCRIPTION			
This diagram shows the location of new installation locations for access points.			
CUSTOMER		REVISION	
Butler		1	
DRAWN BY		DWG NO	
Joe Widowski		1	
DATE		SCALE	
10/16/17		NA	
SHEET		21 OF 31	

IT room


LIMIT OF NEW CONSTRUCTION
EXISTING STRUCTURE w/ NEW
LOCKER ROOMS & OFFICE
IMPROVEMENTS (SHADED)
GROUP "B" OCCUPANCY



BASEMENT PLAN
Scale: 1/8" = 1'-0"

- Inside APs AP01, AP02, AP03, AP04, AP05
- Outside APs none
- Exterior Camera none
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend

 Aruba AP-325



TITLE

New Access Point Locations – Building 2000 - Basement

DESCRIPTION

This diagram shows the location of new installation locations for access points.

CUSTOMER

Butler

DRAWN BY

Joe Widowski

DATE

10/16/17

REVISION

1

DWG NO

1

SCALE

NA

SHEET


22 OF 31



➤ FIRST FLOOR PLAN
Scale: 1/8" = 1'-0"

- Inside APs AP01, AP03, AP08, AP09, AP10, AP11
- Outside APs none
- Exterior Camera none
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend

 Aruba AP-325



TITLE

New Access Point Locations – Building 2000 – Floor 1

DESCRIPTION

This diagram shows the location of new installation locations for access points.

CUSTOMER

Butler

DRAWN BY

Joe Widowski

DATE

10/16/17

REVISION

1

DWG NO

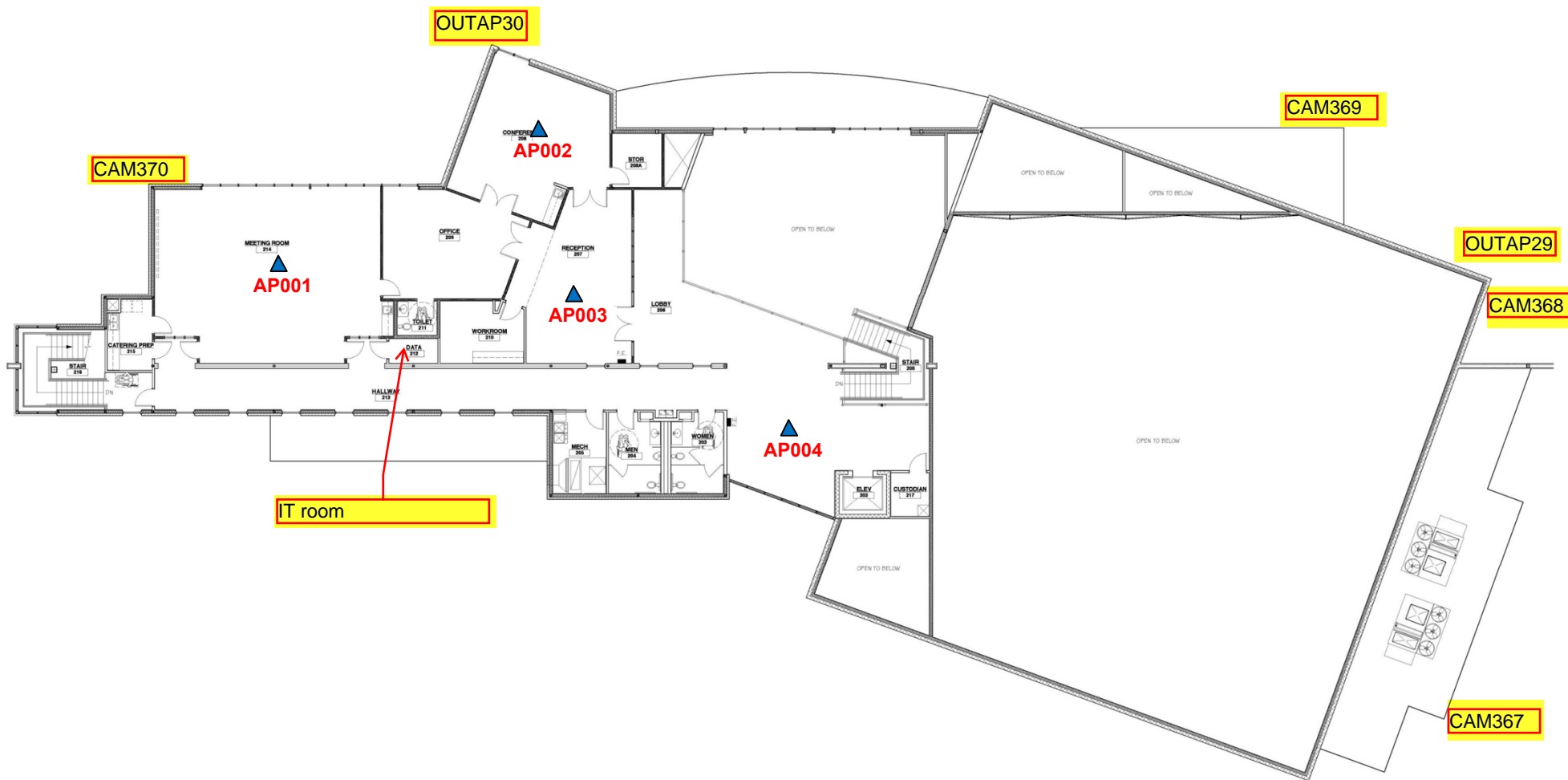
1

SCALE

NA

SHEET


23 OF 31



SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

- Inside APs none
- Outside APs OUTAP29, OUTAP30
- Exterior Camera CAM367, CAM368, CAM369, CAM370
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend

 Aruba AP-325



TITLE

New Access Point Locations – Building 2000 – Floor 2

DESCRIPTION

This diagram shows the location of new installation locations for access points.

CUSTOMER

Butler

DRAWN BY

Joe Widowski

DATE

10/16/17

REVISION

1

DWG NO

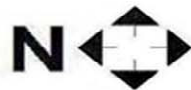
1

SCALE

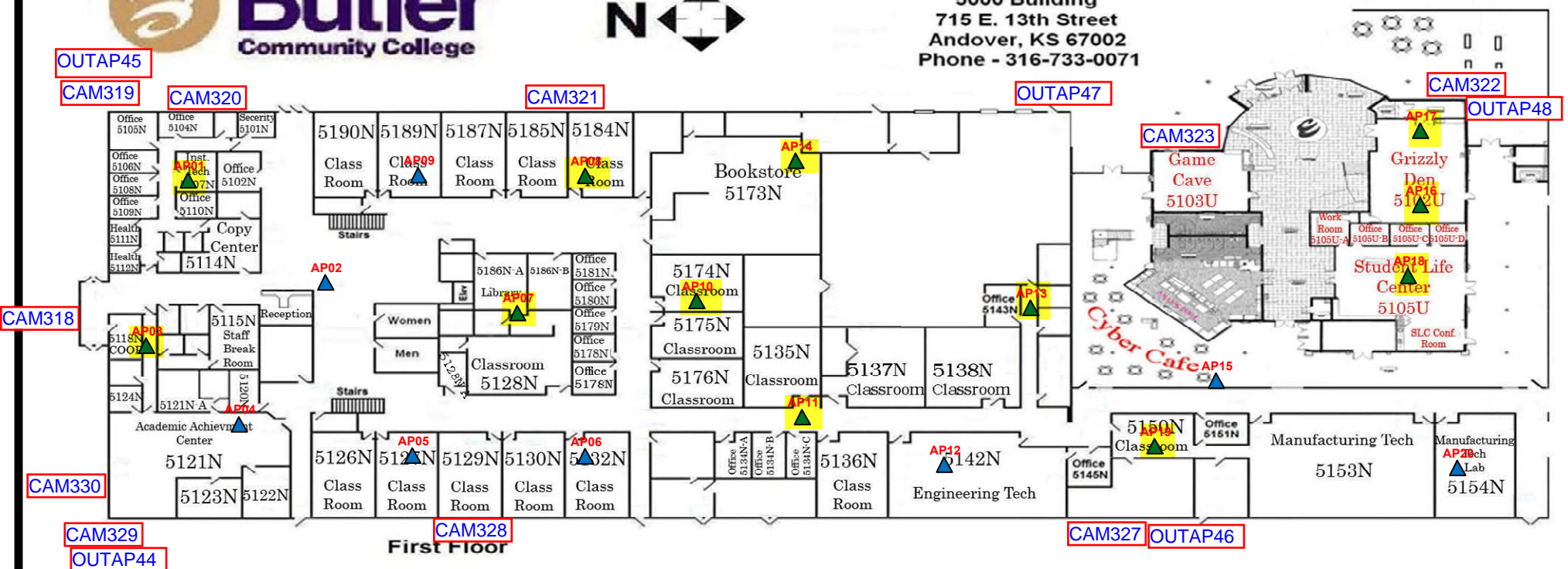
NA

SHEET

24 OF 31



Butler of Andover
 5000 Building
 715 E. 13th Street
 Andover, KS 67002
 Phone - 316-733-0071



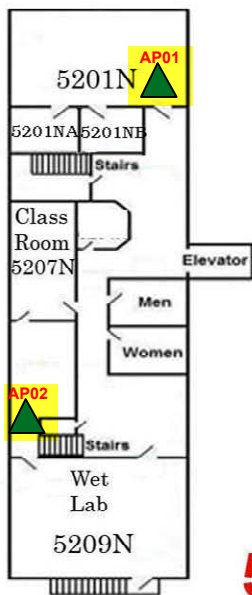
- Inside APs AP01, AP03, AP07, AP08, AP10, AP11, AP13, AP16, AP17, AP18, AP19
- Outside APs OUTAP44, OUTAP45, OUTAP46, OUTAP47, OUTAP48
- Exterior Camera CAM318, CAM319, CAM320, CAM321, CAM322, CAM323, CAM327, CAM328, CAM329, CAM330
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend	
	Aruba AP-325

CUSTOMER Butler	
DRAWN BY Brian Kolasinski	
DATE 10/16/17	

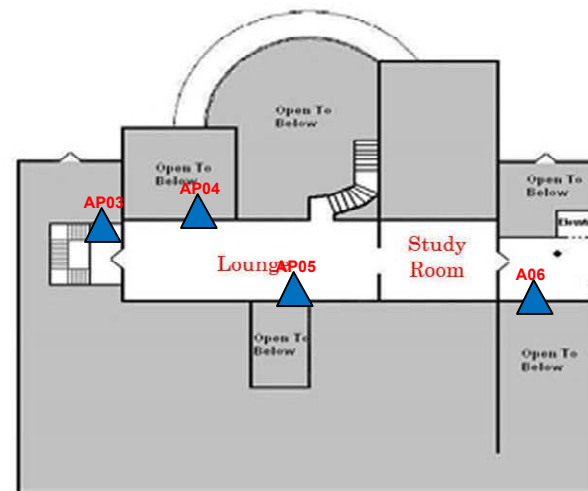
TITLE New Access Point Locations – Building 5000 N – Floor 1			
DESCRIPTION This diagram shows the location of new installation locations for access points.			
REVISION 1		DWG NO 1	
SCALE NA	SHEET 25 OF 31		

5000 Bld North



Second Floor
North End

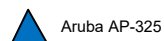
5000 Bld South on Reverse Side



Second Floor
Student Union

- Inside APs AP01, AP02
- Outside APs none
- Exterior Camera none
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend



Aruba AP-325



TITLE

New Access Point Locations – Building 5000 N – Floor 2

DESCRIPTION

This diagram shows the location of new installation locations for access points.

CUSTOMER

Butler

DRAWN BY

Brian Kolasinski

DATE

10/16/17

REVISION

1

DWG NO

1

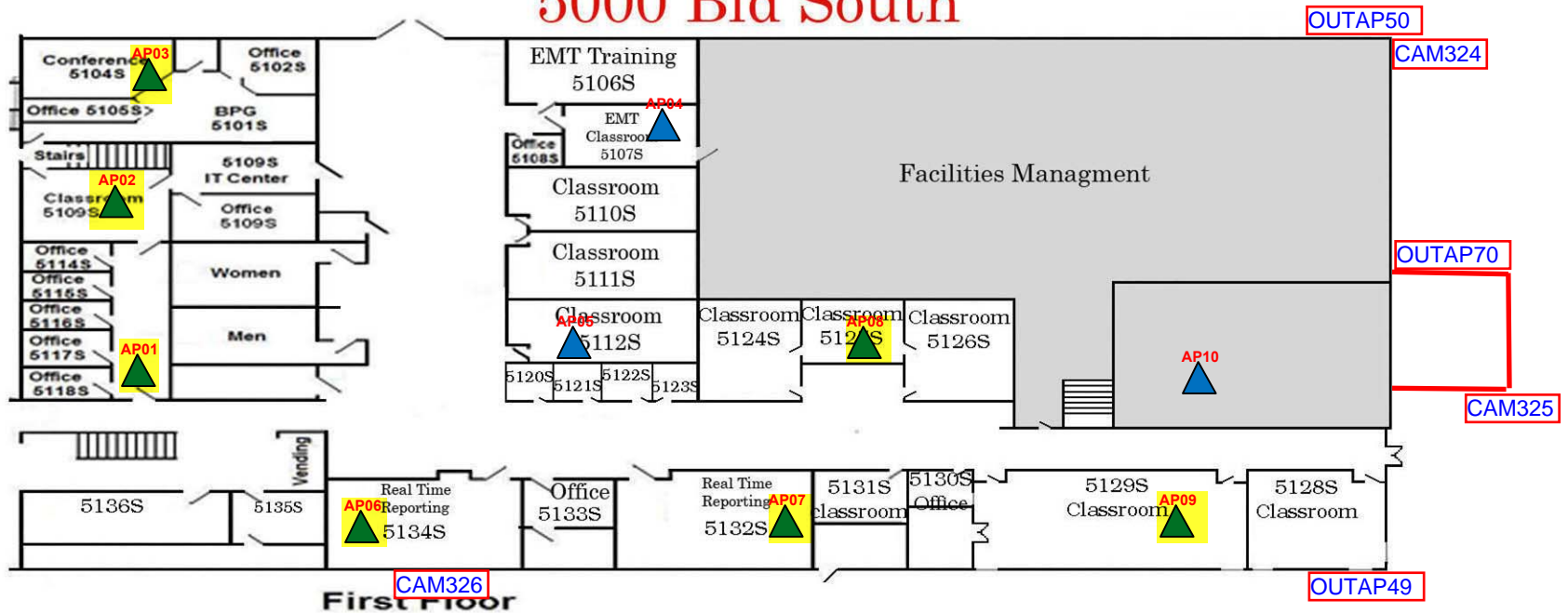
SCALE

NA

SHEET


26 OF 31

5000 Bld South



- Inside APs AP01, AP02, AP03, AP06, AP07, AP08, AP09
- Outside APs OUTAP49, OUTAP50, OUTAP70
- Exterior Camera CAM374, CAM376
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend

 Aruba AP-325



TITLE

New Access Point Locations – Building 5000 S – Floor 1

DESCRIPTION

This diagram shows the location of new installation locations for access points.

CUSTOMER

Butler

DRAWN BY

Brian Kolasinski

DATE

10/16/17

REVISION

1

DWG NO

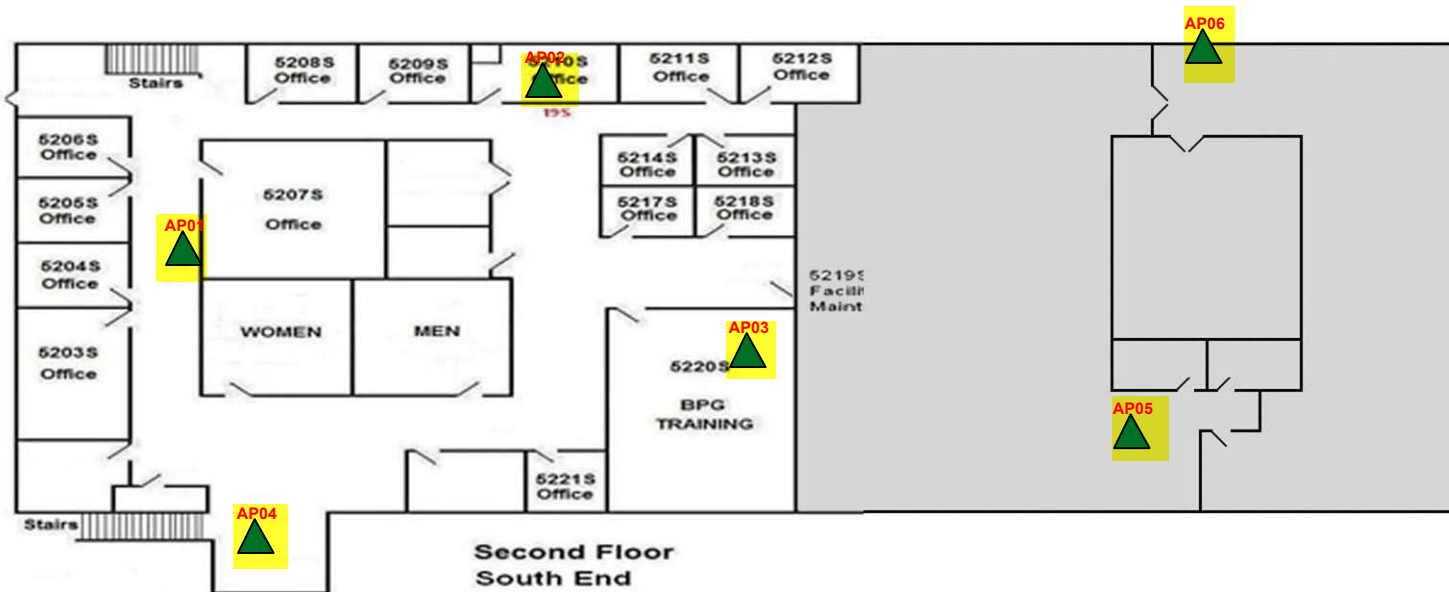
1

SCALE

NA

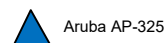
SHEET

27 OF 31



- Inside APs AP01, AP02, AP03, AP04, AP05, AP06
- Outside APs none
- Exterior Camera none
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend



TITLE

New Access Point Locations – Building 5000 S – Floor 2

DESCRIPTION

This diagram shows the location of new installation locations for access points.

CUSTOMER

Butler

DRAWN BY

Brian Kolasinski

DATE

10/16/17

REVISION

1

DWG NO

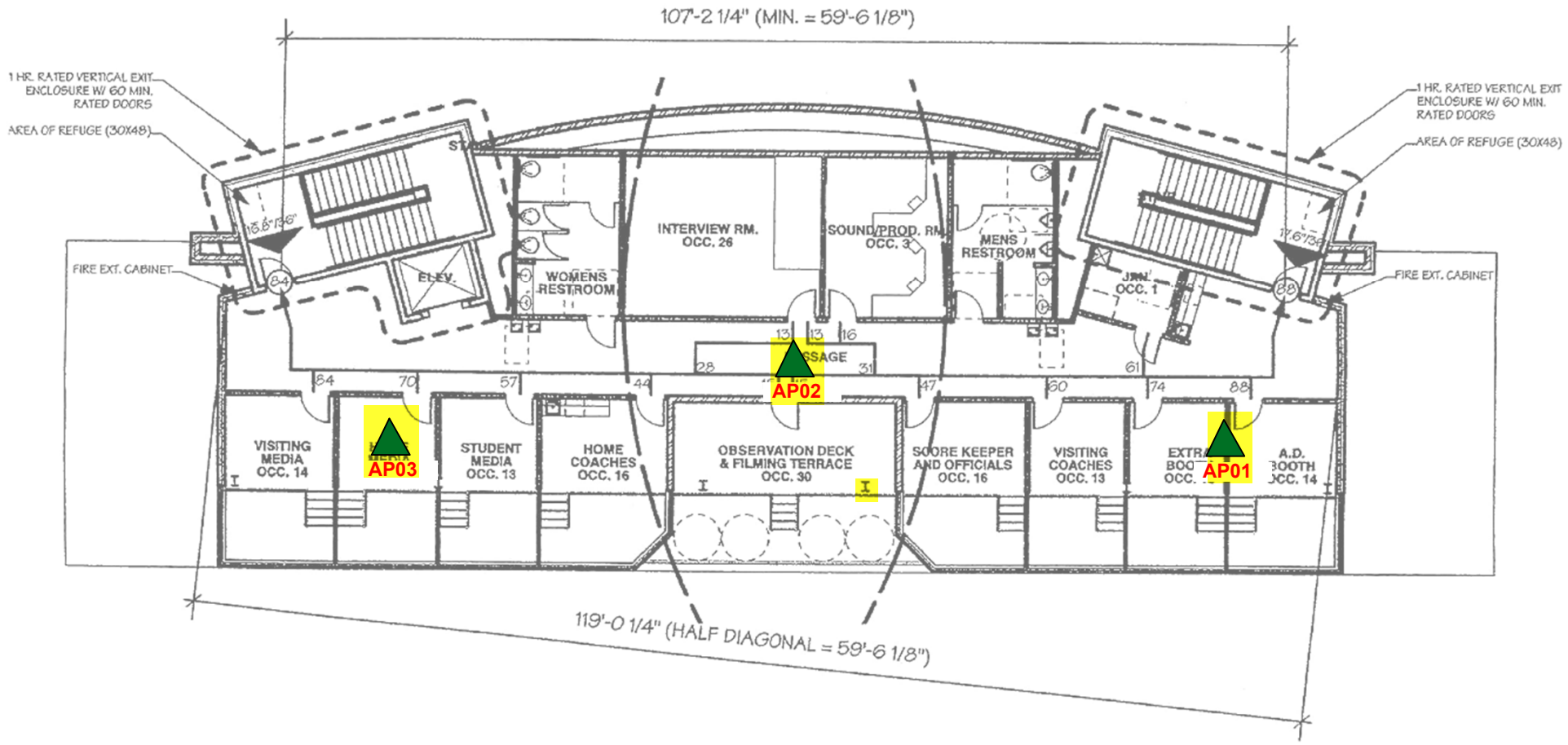
1

SCALE

NA

SHEET

28 OF 31



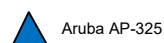
3
CS2

CODE FLOOR PLAN - 3RD LEVEL

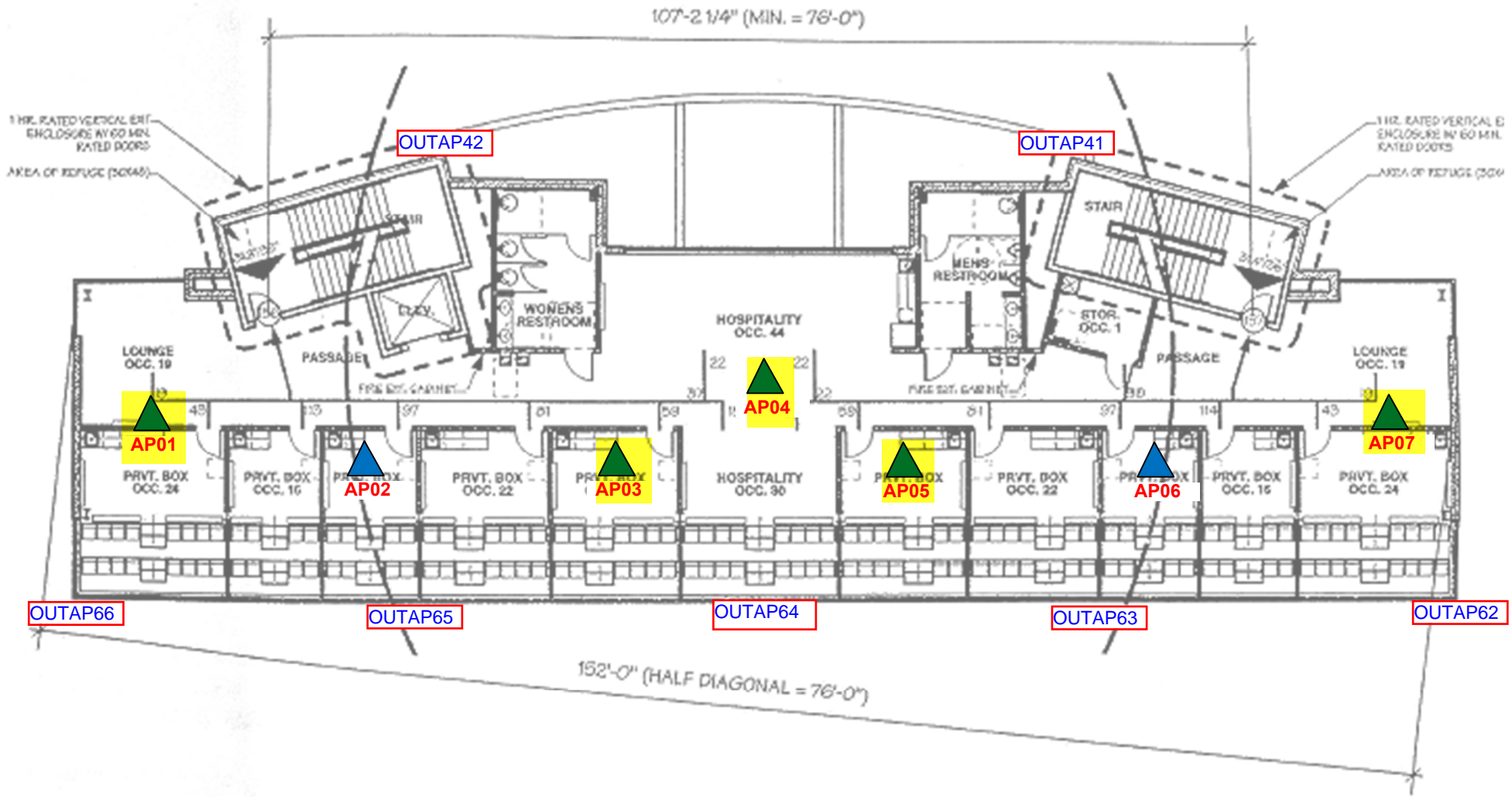
Scale: 1/16" = 1'-0"

- Inside APs AP01, AP02, AP03
- Outside APs none
- Exterior Camera none
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend



TITLE			
New Access Point Locations – Stadium Level 3			
DESCRIPTION			
This diagram shows the location of new installation locations for access points.			
CUSTOMER	Butler	REVISION	DWG NO
DRAWN BY	Joe Widowski	1	1
DATE	10/16/17	SCALE	NA
		SHEET	29 OF 31



CODE FLOOR PLAN - 2ND LEVEL

Scale: 1/16" = 1'-0"

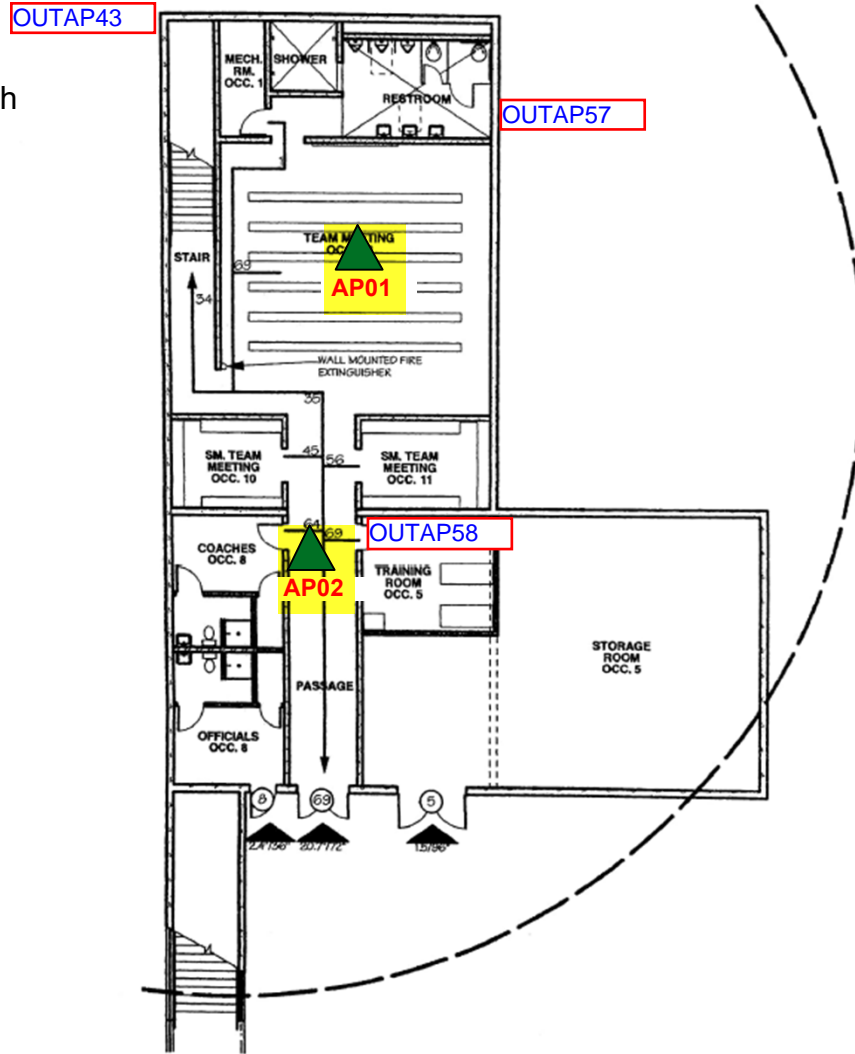
- Inside APs AP01, AP03, AP04, AP05, AP07
- Outside APs OUTAP41, OUTAP42, OUTAP62, OUTAP63, OUTAP64, OUTAP65, OUTAP66
- Exterior Camera none
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend



TITLE			
New Access Point Locations – Stadium Level 2			
DESCRIPTION			
This diagram shows the location of new installation locations for access points.			
CUSTOMER	REVISION		DWG NO
Butler	1		1
DRAWN BY	SCALE	NA	SHEET
Joe Widowski			30 OF 31
DATE			
10/16/17			

Mirror AP Placement for North End



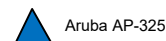
CODE FLOOR PLAN - BASEMENT

Scale: 1/16" = 1'-0"

(SOUTH END SHOWN - NORTH END MIRRORED)

- Inside APs north AP01, AP02 and south AP01, AP02
- Outside APs South OUPAP43, OUTAP57, OUTAP58 and north OUTAP40, OUTAP55, OUTAP56
- Exterior Camera none
- The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Legend



TITLE			
New Access Point Locations – Stadium Level 0			
DESCRIPTION			
This diagram shows the location of new installation locations for access points.			
CUSTOMER		REVISION	
Butler		1	
DRAWN BY		DWG NO	
Joe Widowski		1	
DATE		SCALE	
10/16/17		NA	
SHEET		SHEET	
31 OF 31		31 OF 31	



2600 Fire Station

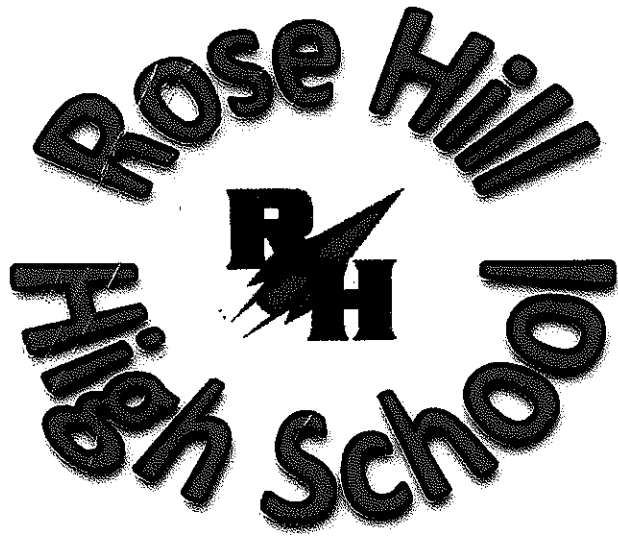
4

3

2

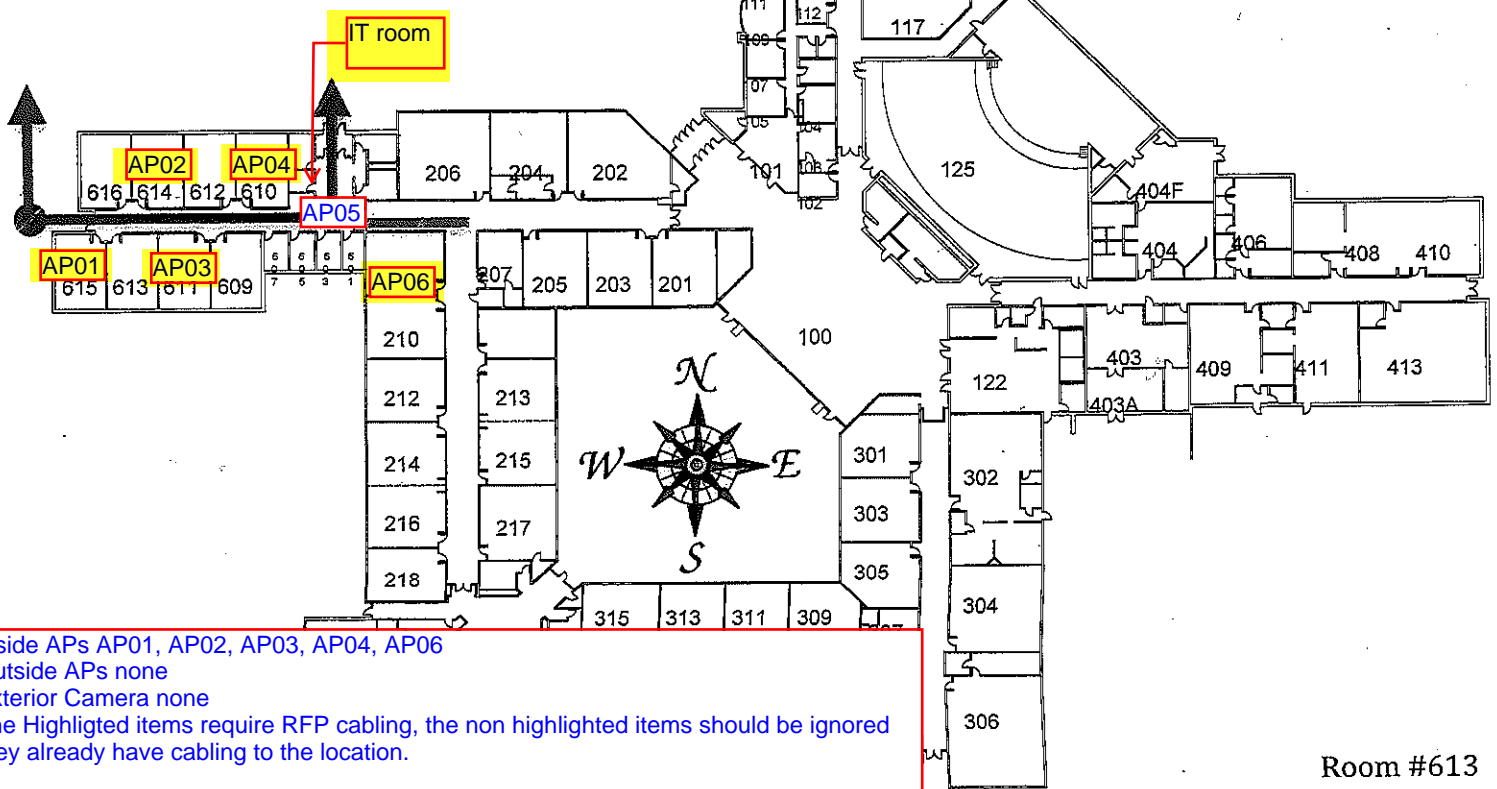
1

7



EMERGENCY INFORMATION

- Primary Fire Route - ●**
- Alternate Fire Route - ●**
- Storm Safe Zones - ●**



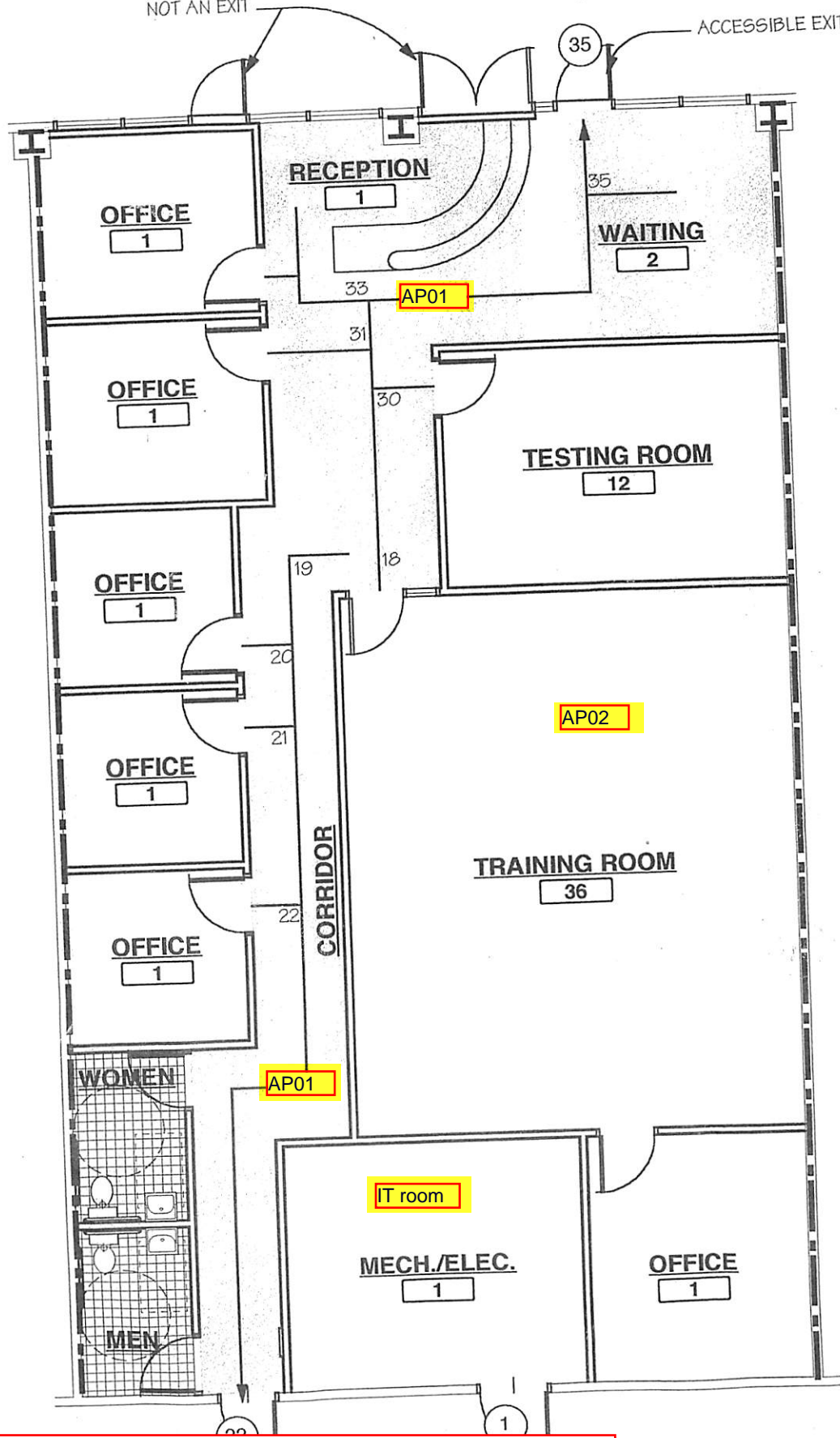
Inside APs AP01, AP02, AP03, AP04, AP06
 Outside APs none
 Exterior Camera none
 The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

B-1 center McConnell

DOORS TO REMAIN
LOCKED
NOT AN EXIT

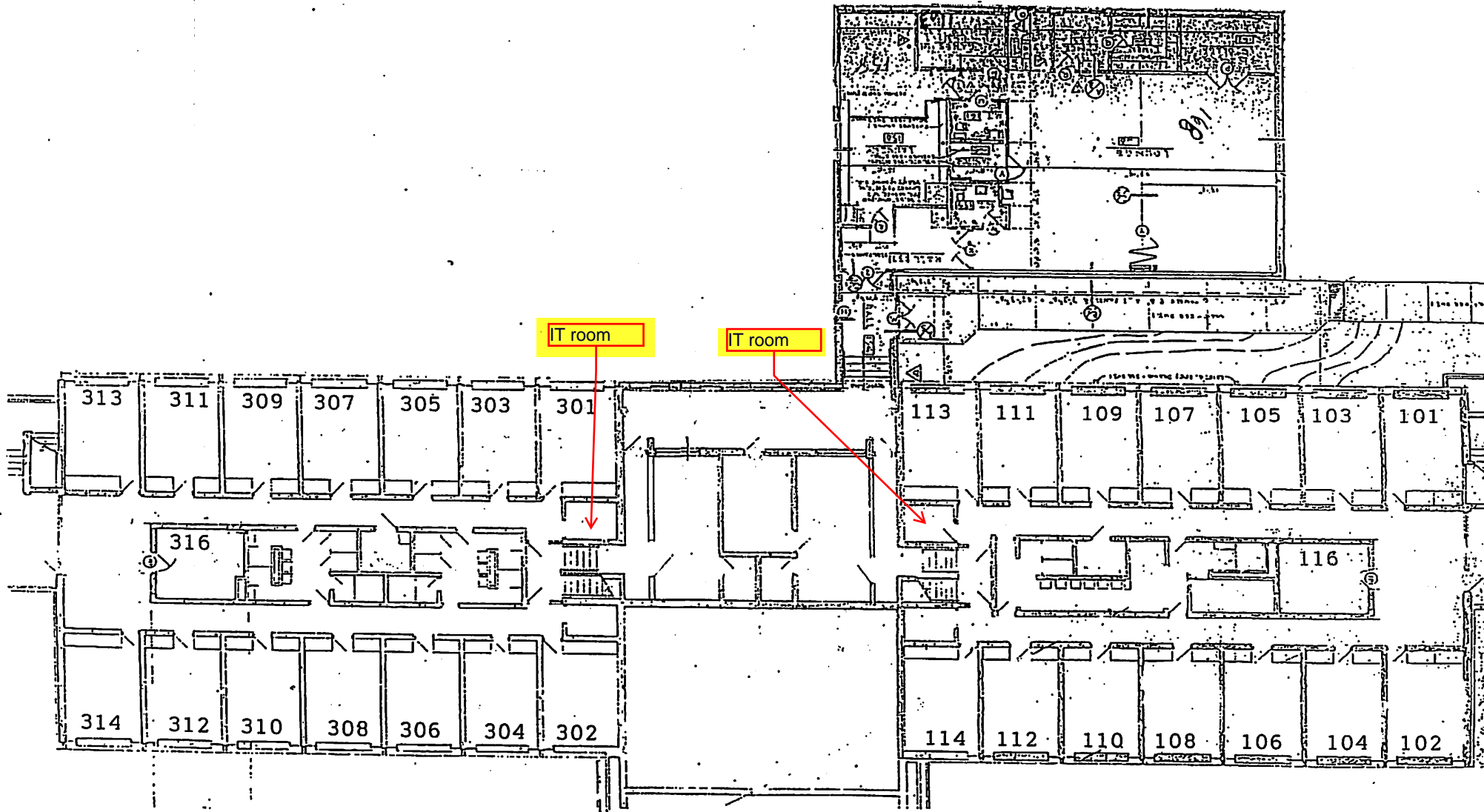
7"/34"

ACCESSIBLE EXIT



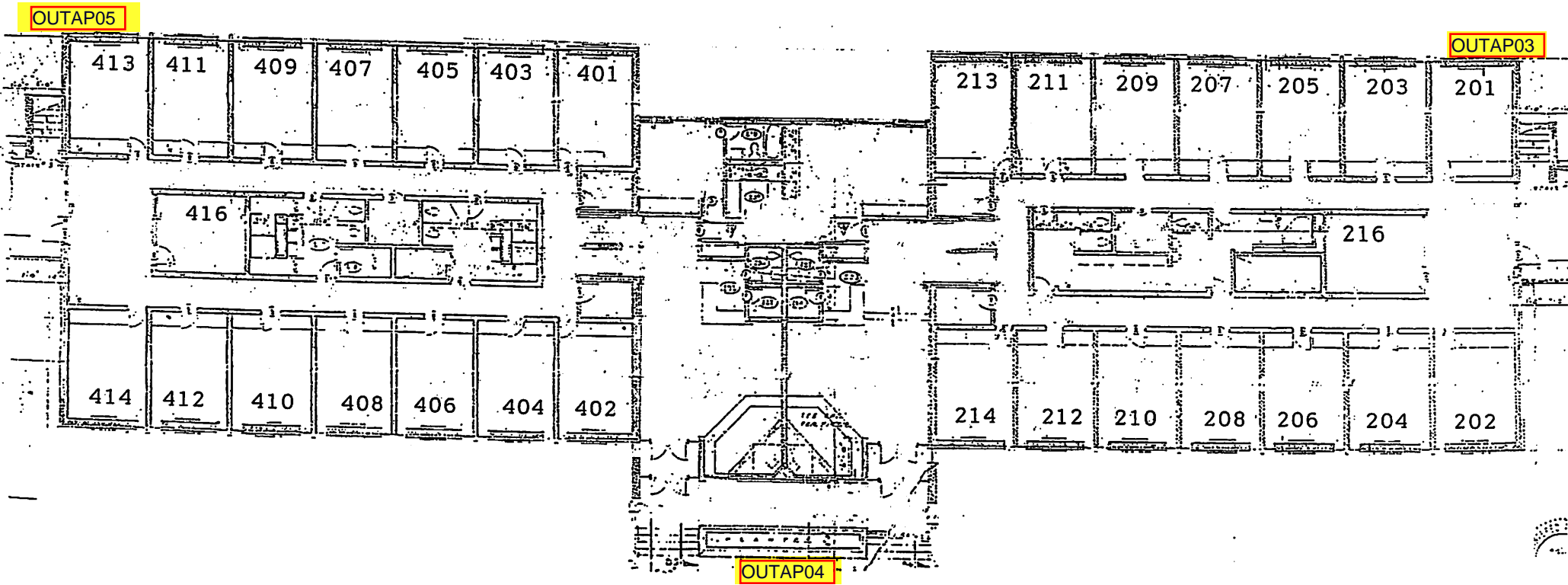
PARATION
WITH 20 MIN

Inside APs AP01, AP02, AP03
 Outside APs none
 Exterior Camera none
 The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.



← EAST-WEST DORM - BLDG 1100

3RD FLOOR



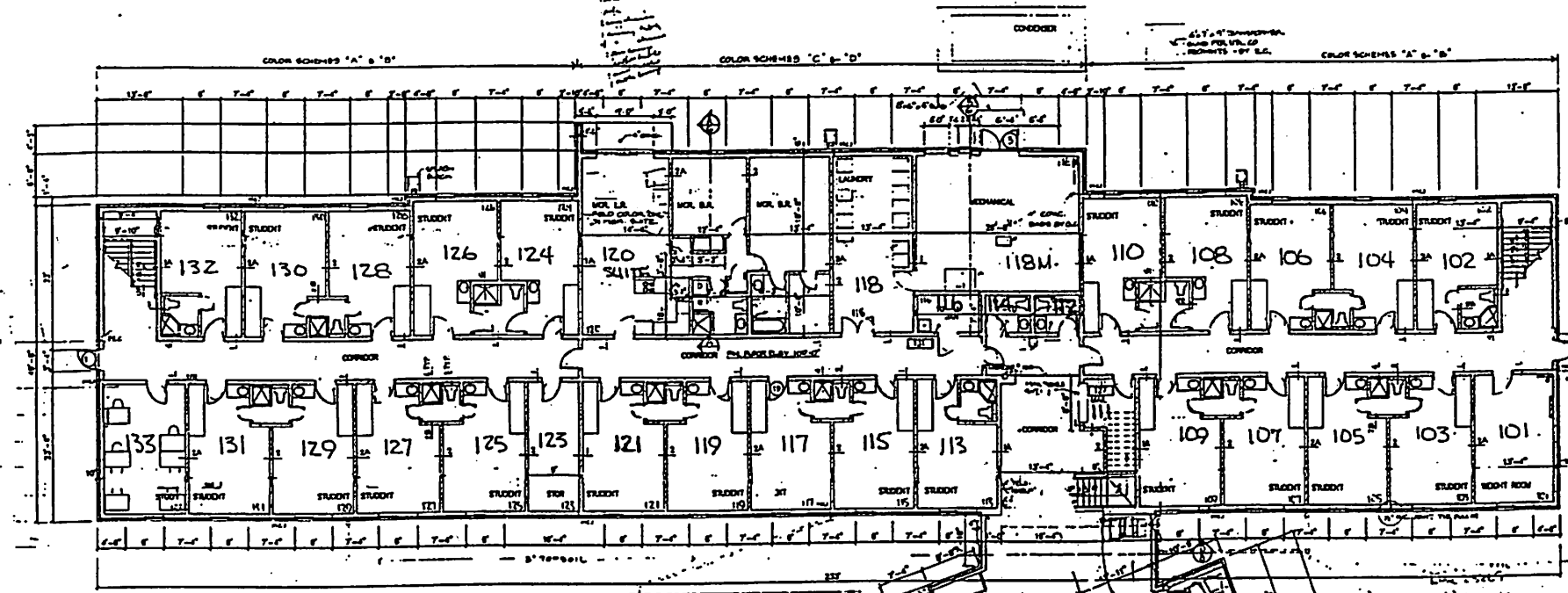
2ND FLOOR

WEST DORM - BLDG 1100

Inside APs none
 Outside APs OUTAP03, OUTAP04, OUTAP05
 Exterior Camera none
 The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

ARMED ROOM NUMBERS

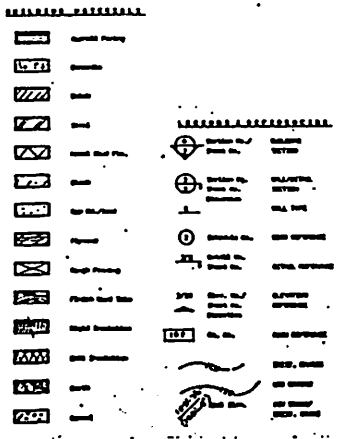
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 100. ...



55 student rooms

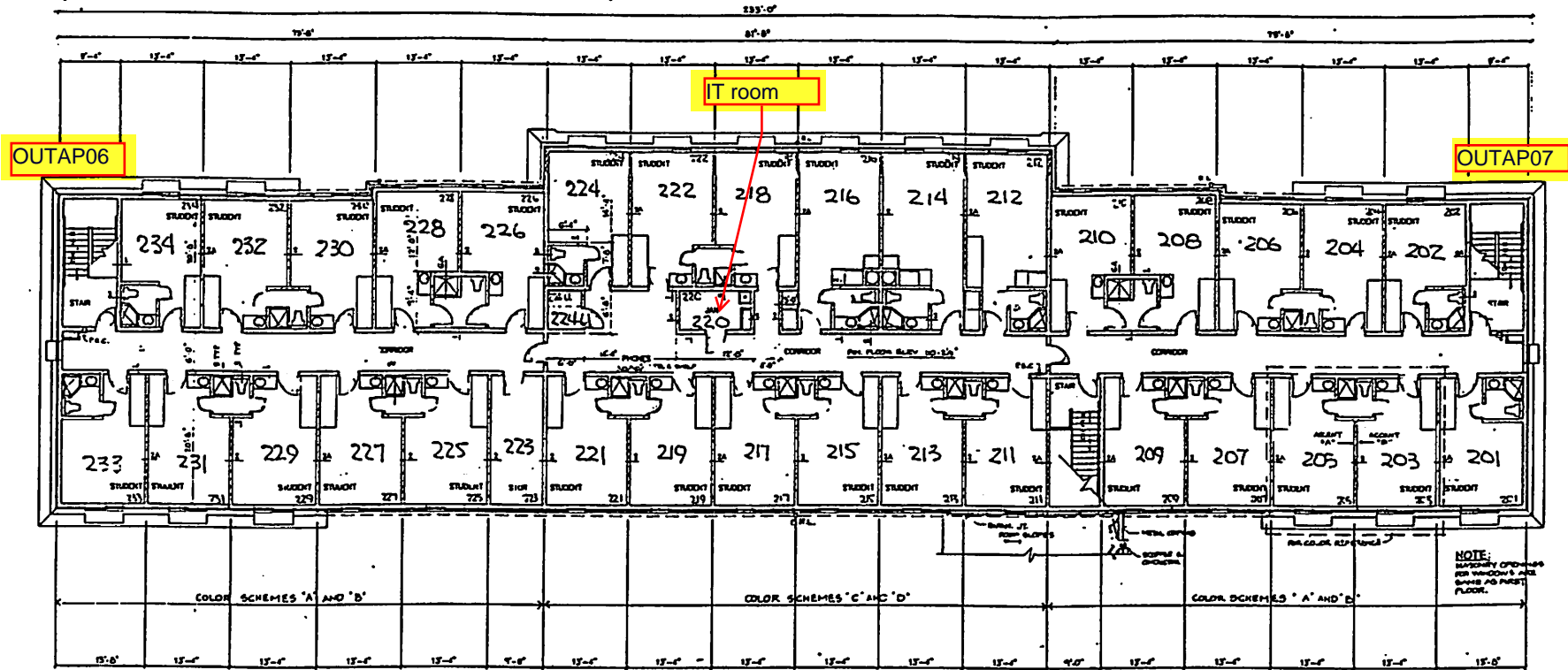
FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

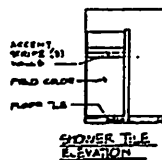
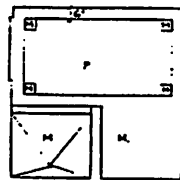
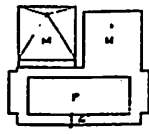
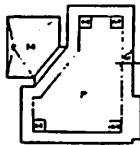


SEE

ASSIGNED ROOM NUMBERS



SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

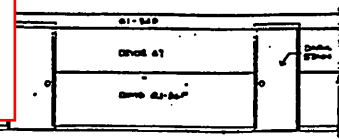


TOILET TILE FLOOR LAYOUTS

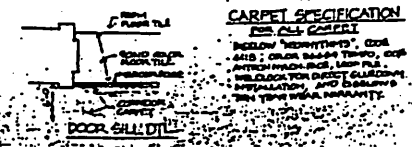
SHOWER TILE ELEVATION

Inside APs none
 Outside APs OUTAP06, OUTAP07
 Exterior Camera none
 The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

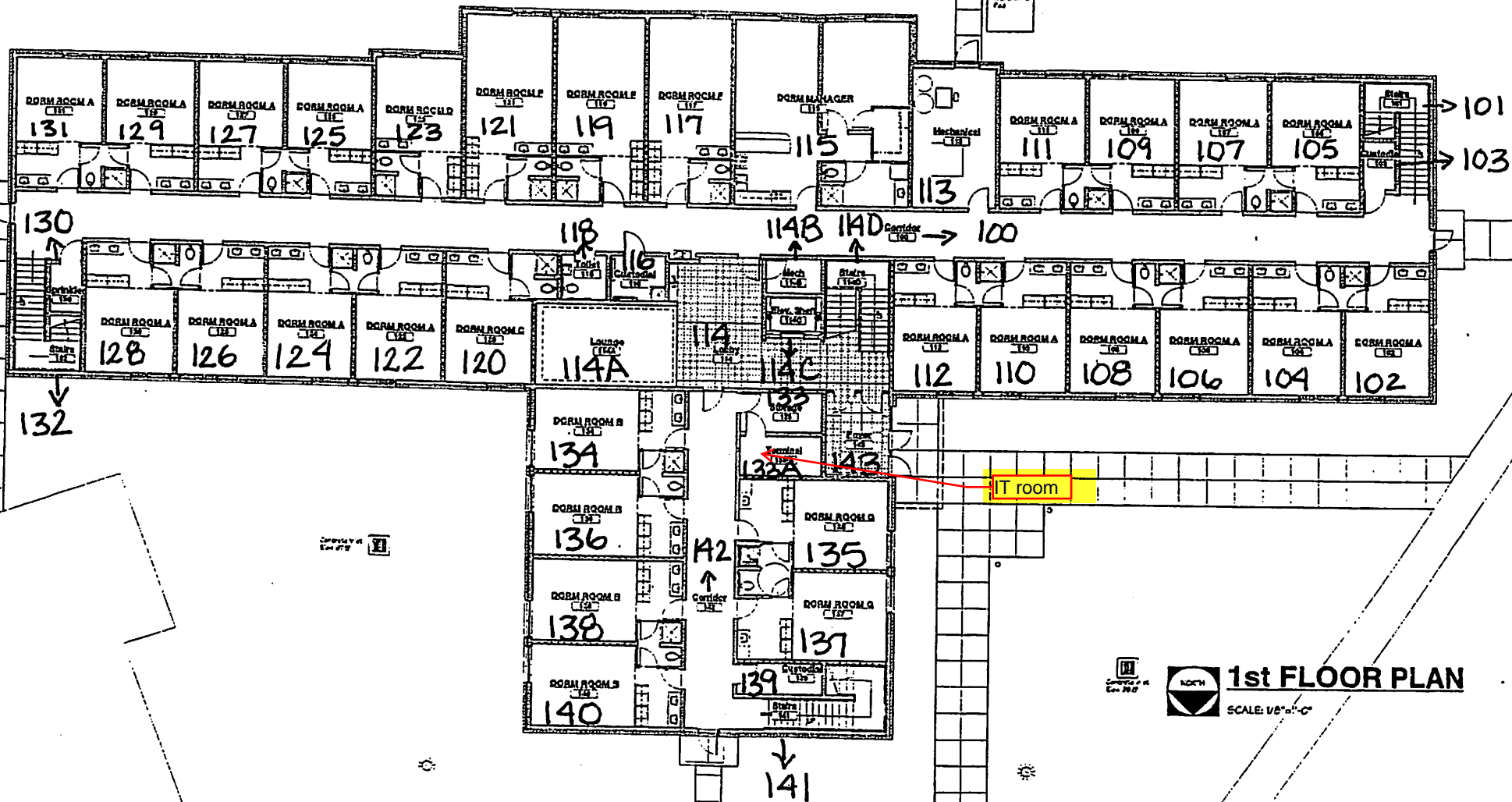
COLOR SCHEMES			
'A' & 'B'		'C' & 'D'	
WALLS: FIELD COLOR	DIMS 01-36P	WALLS: FIELD COLOR	DIMS 01-36P
ACCENT 'A'	DIMS 01-38D	ACCENT 'C'	DIMS 01-38D
ACCENT 'B'	DIMS 54	ACCENT 'D'	DIMS 54
FLOOR TILE: MENTLE	NEGATIVE M56	FLOOR TILE: MENTLE	NEGATIVE M56
TOILET FLOORS: A & B	AD WHITE	TOILET FLOORS: C & D	AD WHITE
SHOWER WALLS: FIELD COLOR	AD BEACH TAN	SHOWER WALLS: FIELD COLOR	AD BEACH TAN
ACCENT STRIPS	AD ANTIQUE	ACCENT STRIPS	AD ANTIQUE
BASE (TYPICAL THROUGH BLDG)	DAL DIM'T PLUM	BASE (TYPICAL THROUGH BLDG)	DAL DIM'T PLUM
	VPI SANDCASTLE BS		VPI SANDCASTLE BS



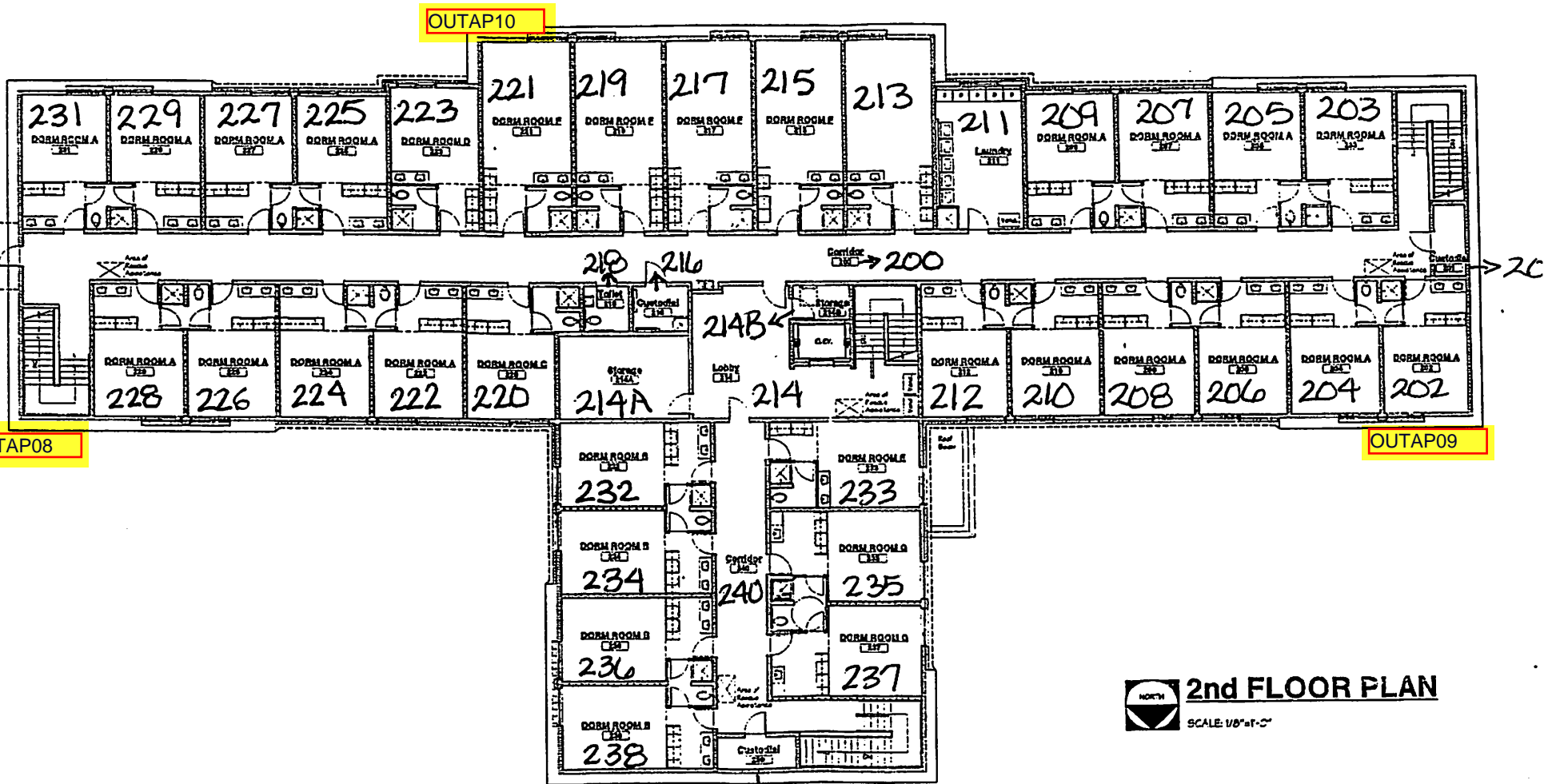
TYPICAL CORRIDOR WALLS COLORS



CARPET SPECIFICATION




1st FLOOR PLAN
 SCALE: 1/8" = 1'-0"



2nd FLOOR PLAN
 SCALE: 1/8" = 1'-0"

Inside APs none
 Outside APs OUTAP08, OUTAP09, OUTAP10
 Exterior Camera none
 The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

Andover Campus

44

45

46

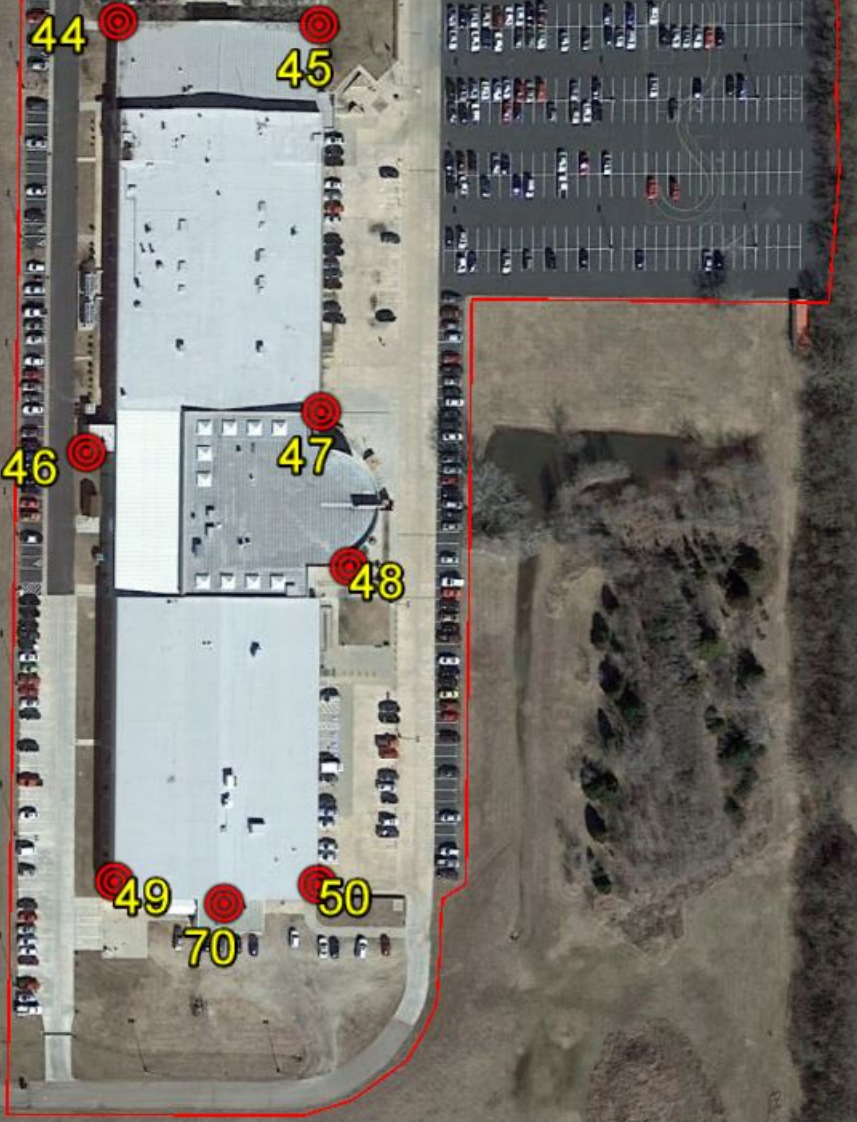
47

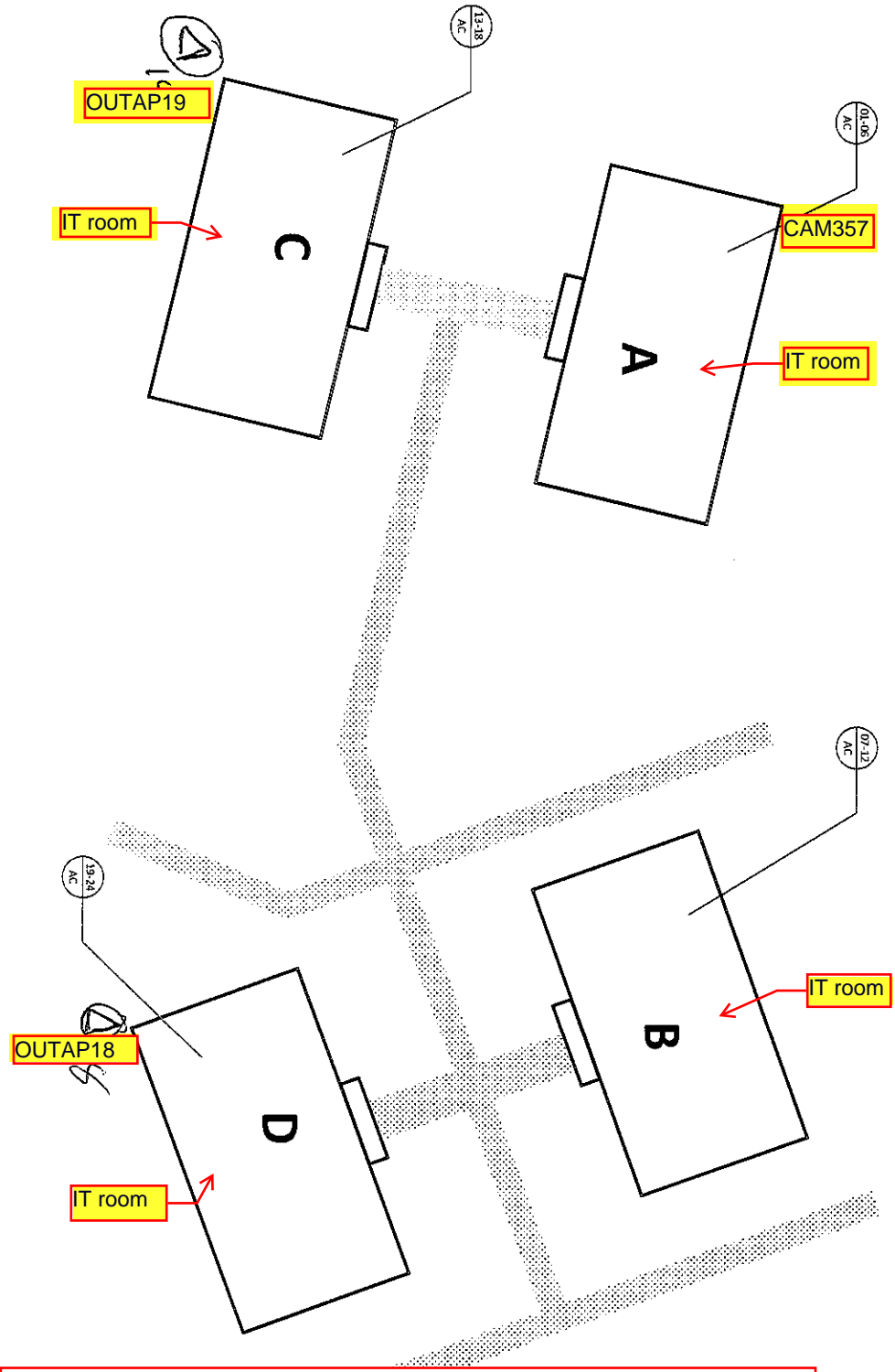
48

49

50

70

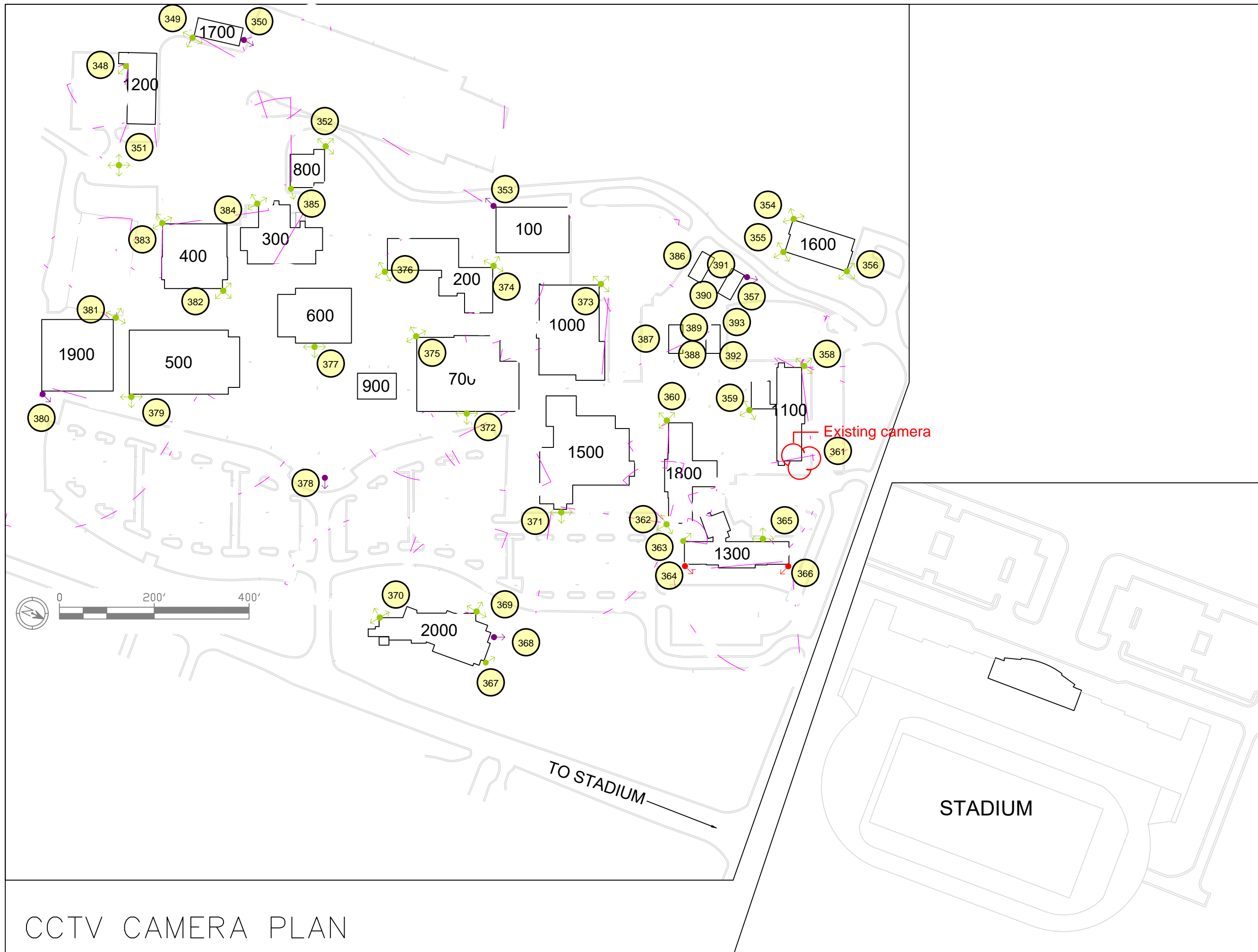




Inside APs none
 Outside APs OUTAP18, OUTAP19
 Exterior Camera CAM357
 The Highlighted items require RFP cabling, the non highlighted items should be ignored they already have cabling to the location.

BUTLER COMM COLLEGE APT'S A, B, C, D		 WACHTER WACHTER INC. 16002 WEST 99 TH STREET LENEXA, KS 66219		REVISIONS	
DISCIPLINE: MFP DRAWN BY: REVIEWER: APPROVED BY:	DATE: 6/22/2017 SCALE: PROJECT: DIVISION: A, B, C, D SHEET #: 33 OF 33 TOTAL #:	REVISION # DESCRIPTION DATE APPROVED			

Site	Building	Notes
Main Campus	1600 Educare Daycare Center	Mount to corner of roof using corner mount bracket at 12'
Main Campus	1600 Educare Daycare Center	Mount to corner of roof using corner mount bracket at 12'
Main Campus	1100 West Residence Hall	Mount to corner of roof using corner mount bracket at 12', middle of roof side edge
Main Campus	1100 West Residence Hall	Mount to corner of roof using corner mount bracket at 2' below security camera
Main Campus	1100 West Residence Hall	Mount to corner of roof using corner mount bracket at 12', towards bottom of roof side edge
Main Campus	1300 East Residence Hall	Mount to corner of roof using corner mount bracket at 12'
Main Campus	1300 East Residence Hall	Mount to corner of roof using corner mount bracket at 12'
Main Campus	1300 East Residence Hall	Mount to corner of roof using corner mount bracket at middle of roof side edge
Main Campus	1800 Cummins Residence Hall	Mount to corner of roof using corner mount bracket at 12'
Main Campus	1800 Cummins Residence Hall	Mount to corner of roof using corner mount bracket at 12'
Main Campus	1500 Science/Nursing Building	Mount to corner of roof using corner mount bracket at 12'
Main Campus	1500 Science/Nursing Building	Mount to corner of roof using corner mount bracket at 12'
Main Campus	700 Performing Arts	Mount to corner of roof using corner mount bracket at 12'
Main Campus	1500 Science/Nursing Building	Mount to corner of roof using corner mount bracket at 12'
Main Campus	1000 Union/Bookstore/Cafeteria	Mount to corner of roof using corner mount bracket at 12'
Main Campus	200 Business/Science/Help Desk	Mount to corner of roof using corner mount bracket at 12'
Main Campus	1000 Union/Bookstore/Cafeteria	Mount to corner of roof using corner mount bracket at 2' down from rooftop
Main Campus	Apartments - SE	Mount to corner of roof using corner mount bracket at 12'
Main Campus	Apartments - SW	Mount to corner of roof using corner mount bracket at 12'
Main Campus	100 Mass Communications/English	Mount to corner of roof using corner mount bracket at 2' down from rooftop
Main Campus	100 Mass Communications/English	Mount to corner of roof using corner mount bracket at 12'
Main Campus	200 Business/Science/Help Desk	Mount to corner of roof using corner mount bracket at 12'
Main Campus	800 Accounting/Criminal Justice	Mount to corner of roof using corner mount bracket at 12'
Main Campus	1700 Facilities Storage	Mount to mast extended 5' above roof
Main Campus	1200 Facilities Management	Mount to mast extended 5' above roof
Main Campus	1200 Facilities Management	Mount to mast extended 5' above roof
Main Campus	400 Vocational Automotive Center	Mount to mast extended 5' above roof
Main Campus	700 Performing Arts	Mount to corner of roof using corner mount bracket at 12'
Main Campus	2000 BCC Welcome Center	Mount to corner of roof using corner mount bracket at 12'
Main Campus	2000 BCC Welcome Center	Mount to corner of roof using corner mount bracket at 12'
Main Campus	700 Performing Arts	Mount to corner of roof using corner mount bracket at 12'
Main Campus	900 Human resources	Mount to corner of roof using corner mount bracket at 12'
Main Campus	500 Gymnasium	Mount to corner of roof using corner mount bracket at 12'
Main Campus	500 Gymnasium	Mount to corner of roof using corner mount bracket at 12'
Main Campus	1900 Champions Training Center	Mount to corner of roof using corner mount bracket at 12'
Main Campus	1900 Champions Training Center	Mount to corner of roof using corner mount bracket at 12'
Main Campus	600 Hubbard Center	Mount to corner of roof using corner mount bracket at 12'
Main Campus	500 Gymnasium	AP to mount higher - corner mount bracket just below roof peak
Main Campus	800 Accounting/Criminal Justice	Mount to corner of roof using corner mount bracket at 12'
Stadium	Concessions Northwest/Parking	Corner mount bracket just below metal flashing at roof edge
Stadium	Main Entrance North	North of main entrance, corner mount bracket to concrete corner left of brick, just below overhang, antenna aimed southwest
Stadium	Main Entrance South	South of main entrance, corner mount bracket to concrete corner right of brick, just below overhang, antenna aimed northwest
Stadium	Concessions Southwest/Parking	Corner mount bracket just below metal flashing at roof edge
Stadium	Bleacher Light Pole North	Network access and POE via 60 GHz PtMP bridge solution, AP aimed NE on heading of 30°
Stadium	Bleacher Light Pole North	Network access and POE via 60 GHz PtMP bridge solution, AP aimed SSE on heading of 170°
Stadium	Bleacher Light Pole South	Network access and POE via 60 GHz PtMP bridge solution, AP aimed NNE on heading of 10°
Stadium	Bleacher Light Pole South	Network access and POE via 60 GHz PtMP bridge solution, AP aimed SSE on heading of 160°
Stadium	Concessions North	Use existing radio location
Stadium	Concessions North	Below awning
Stadium	Concessions South	Use existing radio location
Stadium	Concessions South	Below awning
Stadium	Section 109	10' mast to replace section sign post, AP at top, max downtilt, aimed at center of section
Stadium	Section 107	10' mast to replace section sign post, AP at top, max downtilt, aimed at center of section
Stadium	Section 105	10' mast to replace section sign post, AP at top, max downtilt, aimed at center of section
Stadium	Section 103	Use existing radio location under balcony, aim AP/antenna towards upper center of section
Stadium	Section 101	to ceiling, above section sign, aimed at center of section
Stadium	Section 100	to ceiling, above section sign, aimed at center of section
Stadium	Section 102	to ceiling, above section sign, aimed at center of section
Stadium	Section 104	Use existing radio location under balcony, aim AP/antenna towards upper center of section
Stadium	Section 106	10' mast to replace section sign post, AP at top, max downtilt, aimed at center of section
Stadium	Section 108	10' mast to replace section sign post, AP at top, max downtilt, aimed at center of section
Stadium	Section 110	10' mast to replace section sign post, AP at top, max downtilt, aimed at center of section
Andover	Andover Main	Corner mount bracket, just below roof overhang
Andover	Andover Main	Corner mount bracket, just below roof overhang
Andover	Andover Main	Just below roofline, 1' left of southern end downspout
Andover	Andover Main	At corner right of main entrance and left of door #3 and drainspout, just below metal siding
Andover	Andover Main	Corner mount bracket, just below metal siding
Andover	Andover Main	At 16', 2' north of downspout at southwest corner
Andover	Andover Main	At 16', 2' north of downspout at southeast corner
Andover	Andover Main	Center of southern side, between access doors, mounted 1' below metal siding



CCTV CAMERA PLAN

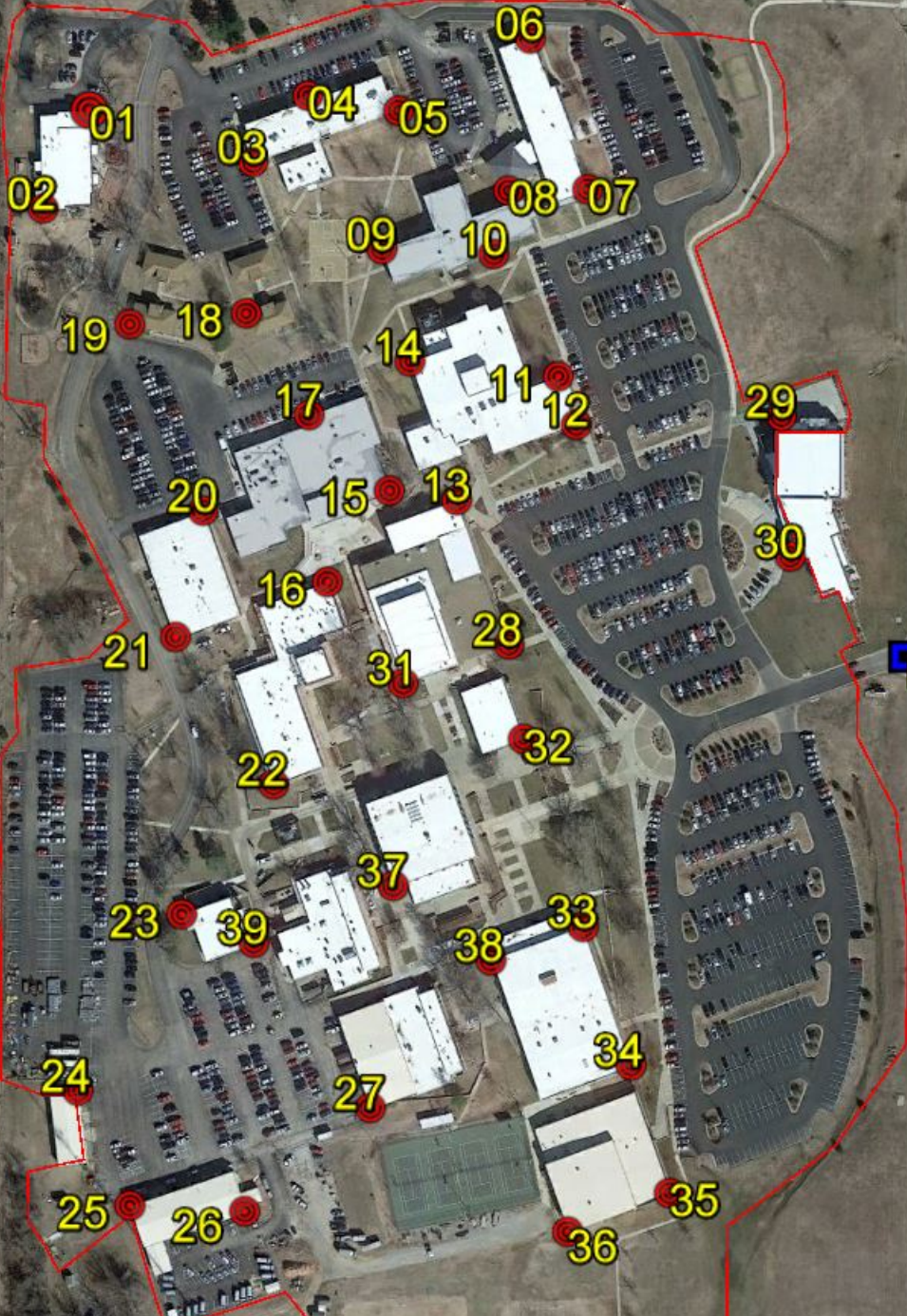
CONTRACT OWNER
 BUTLER COMMUNITY COLLEGE

 SITE
 BUTLER COLLEGE
 901 S. HAVERHILL RD.
 EL DORADO, KS 67042

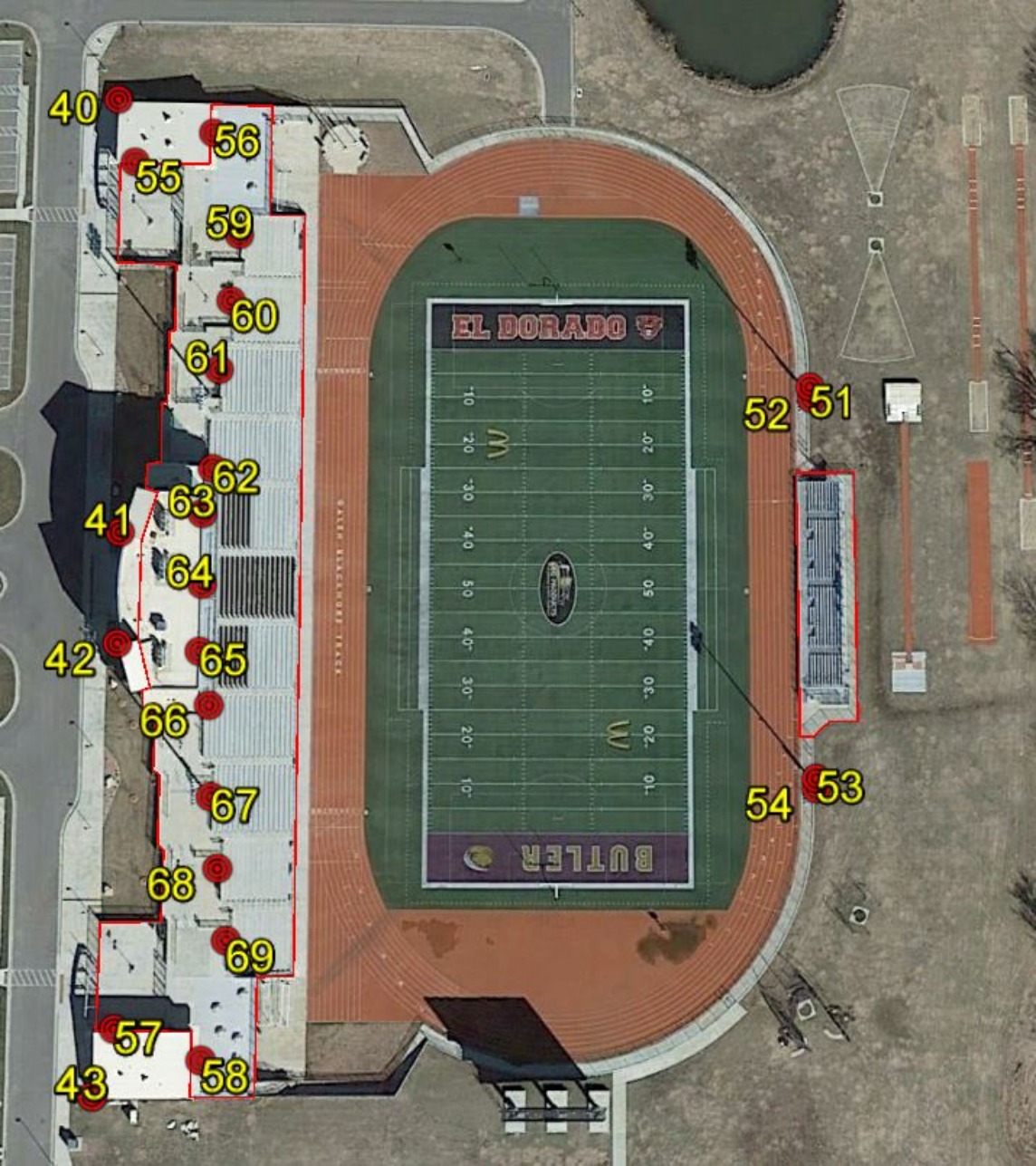
 PROJECT
 CCTV SECURITY
 10/01/2015

ISSUE DATE:	DRAWN BY:	CHECKED BY:	APPROVED BY:

SHEET:
EL DORADO
 CAMPUS LAYOUT



Butler Community College



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