

RFB#109-24

Technology Request for Bid

Calhoun County



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DIVISION 00 - BIDDING AND CONTRACT REQUIREMENTS

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DIVISION 28 – ELECTRONIC SAFETY & SECURITY

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SECTION 00 11 16
INVITATION TO BID

PART 1 - GENERAL

1.01 WORK INCLUDED:

- A. The goal of the Calhoun County Sheriff's Office Safe Schools Initiative is to ensure that every school in Calhoun County has the opportunity and technology to open a video portal connecting directly with the Calhoun County Central Dispatch Authority to ensure dispatchers have the accessibility to view cameras on any district campus in the event of an emergency including, but not limited to, active shooter, fire or threat.
- B. Calhoun County Sheriff's Office (Owner) is seeking bids for video monitoring equipment and installation services. Proposed systems shall be configured and installed to service Owner's needs across multiple instructional facilities, and as described herein.
- C. Project: RFB#109-24 SAFE SCHOOLS
- D. Owner: Calhoun County
315 W. Green Street
Marshall, Michigan 49068
- E. Designer: Communications by Design, Inc.
- F. Sites of Work: See Appendix A

1.02 GENERAL DESCRIPTION OF PROJECT SEQUENCE

- A. Sequences and dates specified herein are for information only and indicate the plan and intent of the Owner. Actual dates shall be established based on final award of project.
- B. Sequence of operations shall be established by the Contractor within the guidelines established by the Owner as required to meet schedules.
- C. Schedule:
 - 1. Request for Bid Distributed: August 8, 2024
 - 2. Pre-Bid Meeting: August 21, 2024 at 2:30pm
 - 3. Intent to Bids Due: August 22, 2024 by 5:00pm
 - 4. Question and Clarification Deadline: August 23, 2024 by 5:00pm

5. Response to Questions Due: August 26, 2024 by 5:00pm

6. Public Bids Due: September 4, 2024 at 10:00am

1.03 TYPES OF BIDS

A. Bids shall be submitted in total and with required detail for each item bid and as is required herein and include all portions of the work identified for the individual bid package as specified herein. Bids shall be made on unaltered bid forms as included herein. Bidder shall fill in all blank spaces and the bid shall be signed by a legal officer or agent authorized to bind the bidder to a contract.

1.04 PRE-BID CONFERENCE

A. A pre-bid conference will be held. A discussion of the project and review of bid documents will be followed by a site review and an opportunity to ask questions. Attendance is highly encouraged for all contractors interested in bidding on any components or portions of this project. Attendance at the pre-bid conference will be a factor considered during evaluation of bids.

1. Date: August 21, 2024 at 2:30pm

2. Virtual: Video call link: <https://meet.google.com/krc-iisj-bqw>
Or dial: (US) +1 414-909-5745 PIN: 774 676 189#

B. Any drawings identified in the table of contents herein are included in this bid document will be reviewed at this conference.

1.05 TIME AND PLACE OF BID RECEPTION

A. In order to submit a bid to Calhoun County Purchasing, vendors must be registered with Vendor Registry, the exclusive application for vendors to participate in formal Requests for Bid process. The following link is accessible to vendors who wish to submit bids in response to bid requests:

1. www.calhouncountymi.gov/purchasing

B. Vendors registering for **RFB#108-24 SAFE SCHOOLS** must register under at least one of the **Commodity Service Codes #83828, #83829, #83833, #83896, #68087, #83833, #83834, #65596.**

C. Potential bidders should contact the following if they are unable to submit their bid response electronically:

1. Sherri L. Mason, Operations Manager

2. smason@calhouncountymi.gov

D. Properly registered vendors will receive notice of upcoming bids for which they have expressed an interest. Vendors can access the status of active and inactive bids at the following link:

1. www.calhouncountymi.gov/purchasing

E. The Vendor Registry bid platform is the source for vendor registration, bid notice, bid updates and RFB amendments, pre-bid conferences, Q&A's, public bid opening and submitting bids. Vendor instructions for submitting a bid in response to this solicitation are available at the following link:

1. www.calhouncountymi.gov/purchasing

F. Bid Receipt Deadline: September 4, 2024 at 10:00am

1.06 BID SECURITY

A. Bid security equal to five percent (5%) of the total bid amount, must accompany each base bid in accordance with the Instruction to Bidders.

B. Bid security shall be either a Bid Bond issued by a company licensed in the State of Michigan to furnish bid security or Certified Check made payable to the Owner.

1.07 PERFORMANCE BOND COVERAGE

A. Selected Contractor(s) will be required to provide a performance bond and payment bond in an amount equal to one hundred percent (100%) of the bid amount including any accepted alternates at the Owner's discretion. Such bonds shall be issued by surety licensed by the State of Michigan and acceptable to the Owner.

1.08 CIVIL RIGHT COMPLIANCE

A. The Contractor agrees to abide by the provisions of the Elliott-Larsen Civil Rights Act, P.A. 1976, No. 453, as amended, being sections 37.2101 et seq. of the Michigan Compiled Laws, and the Michigan Persons with Disabilities Civil Rights Act, P.A. 1976, No. 220, as amended, being sections 37.1101 et seq. of the Michigan Compiled Laws, and specifically agrees and covenants not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of race, color, religion, national origin, age, sex, height, weight, marital status, or a handicap that is unrelated to the individual's ability to perform the duties of a particular job or position. A breach of this covenant shall be regarded as a material breach of the contract.

1.09 OWNER'S RIGHT TO REJECT BIDS

- A. The Owner reserves the right to reject any and/or all bids. The Owner reserves the right to accept a bid, or portion thereof by issuance of a valid purchase order within ninety (90) calendar days following the bid opening. No bids may be withdrawn during this time without the specific approval of the Owner.
- B. Withdrawal of any Bids after the opening time without specific approval by Owner may result in forfeiture of required bid security by Bidder.

1.10 DEFINITIONS

- A. "Owner" is intended to mean Calhoun County, a County governmental unit of the State of Michigan. Additionally, "Owner" is intended to mean individual school districts within Calhoun County that will be receiving the camera equipment, licensing, cabling and labor as defined in this bid document and as specified herein.
- B. For purposes of this project, the terms "Architect", "Engineer" and "Designer" are used synonymously to refer to Communications by Design, Inc., a Michigan Corporation.
- C. The term "Bidder" refers to any organization properly and accurately submitting a complete "Intent to Bid Form" prior to the required time specified herein and subsequently properly submitting completed set of bid documents as specified herein.
- D. The term "Contractor" herein is a reference to the firm(s) eventually selected by the Owner to provide the intended system(s), or any portion thereof, and fulfill the terms of the contract.
- E. The term Contract is a reference to the collective set of documents, drawings, diagrams, Owner's Purchase Order, Addenda and all other materials as provided for herein defining arrangement between Owner and Contractor.
- F. The term Addenda (or Addendum) are that portion of the Contract consisting of modifications, amendments, deletions or substitutions to the contract documents issued prior to the execution of the Contract.

END OF SECTION

SECTION 00 40 00
BID FORMS

Intent to Bid Form

Complete and submit the following form if you have interest or intend to submit a Bid for this project. Unaltered and completed forms must be received on or before 5:00 PM on August 8, 2024. Only bidders returning a completed "Intent to Bid Form" will be directly notified of the required addenda.

Company Information

Name: _____

Address Line1: _____

Address Line2: _____

City, State and Zip Code _____

Primary Contact Information

Name: _____

Phone No.: _____

Fax. No.: _____

E-Mail Address: _____

Portions of the bid for which you will be responding:

Section 28 20 00 -- Video Monitoring Equipment

Submit unaltered and completed form to:

Rebecca Szilagy

Communications by Design, Inc.

rszilagy@cbdconsulting.com

BID FORM

BID TO: Calhoun County Administrator’s Office, Purchasing Division
Attention: Sherri L. Mason/Operations Manager

Bids must be submitted electronically using Vendor Registry as indicated in the provided documents and as specified herein. Any bid received outside of Vendor Registry will not be considered and returned to the submitting party. Any bid time stamped at Vendor Registry web portal after the exact time specified will not be considered. Vendors are encouraged to submit bids at least 2 hours prior to the established deadline to avoid any technical issues that may cause their bid submission to be late.

BID FROM: _____

PROJECT: RFB#109-24 SAFE SCHOOLS

The undersigned, having familiarized themselves with all local conditions affecting the cost of work, and having examined the site and all applicable Bidding Documents herein, and herein referenced, including, but not limited to, all addenda issued thereto, hereby propose to furnish all labor, material, equipment, applicable taxes and services required for proper completion of each of the following categories of this project for the sum of:

Bid Category _____ Title _____
_____ Dollars (\$) _____).

Said amount written above constituting the Base Bid

TAXES:

Bid sum includes all applicable taxes.

ALLOWANCES:

Base bid includes all applicable allowance cost(s) as set forth herein.

COST OF BONDS:

Bid sum includes cost of furnishing a Performance Bond and Labor and Material Payment Bond, each in the amount of one hundred percent (100%) of the bid.

ACKNOWLEDGEMENT OF ADDENDA:

The following addenda have been received, are hereby acknowledged, and their execution is included in both base bid and alternate bids herein.

Addendum No. _____ Dated _____ Addendum No. _____ Dated _____

ALTERNATES:

Based bid amount may be increased or decreased in accordance with each of the following alternate bids as may be selected, following procedures stated herein. Voluntary Alternates shown below are identified and described in detail on appropriate attachment(s) as referenced herein.

Mandatory Alternate – 5 Year Warranty _____

Voluntary Alternate A _____

Voluntary Alternate B _____

Voluntary Alternate C _____

PRINCIPAL SUBCONTRACTORS

As required herein, the following Subcontractors are proposed to be used for this project:

Legal Name: _____ Work Proposed _____

Legal Name: _____ Work Proposed _____

BID SECURITY:

Accompanying this Bid, as required herein, is a bid security in the form of Certified Check/Cashier’s Check/Bidder’s Bond in the amount of:

_____ Dollars (\$ _____),

payable to the Owner, which it is agreed, shall be retained as liquidated damages, not as a penalty, by the Owner, if the undersigned fails to execute the Contract in conformity with the form of Contract incorporated and referenced herein and fails to furnish specified bonds within ten (10) days after date of issuance of a Letter of Intent to the undersigned.

If awarded the Contract, the undersigned agrees to commence work within ten (10) calendar days after date of issuance of a Purchase Order, which shall be considered as the notice to proceed, and agrees to complete the work in accordance with the schedule herein.

FAMILIAL DISCLOSURE:

Accompanying this Bid, as required herein, is a legally executed and notarized Michigan Familial Disclosure Statement.

EXCEPTIONS:

Bidder takes no exception to terms, conditions, specifications and/or any other requirements herein unless expressly noted, and specifically identified as provided for herein on unaltered Contract Exception form accompanying this Bid.

SIGNATORY AUTHORITY:

The undersigned certifies they are an authorized agent of the bidding entity, and legally able to bind the bidding entity to the terms, conditions and responsibilities of this, and all referenced bid documents. Furthermore, the undersigned acknowledges an understanding that non-compliance of this authority or any other bidding requirements may result in forfeiture of bid security and/or dismissal of consideration of bid submitted.

AGREEMENT:

The undersigned agree(s) to provide the post-bid information required within ten (10) days after notification of a Letter of Intent and to execute an agreement for work covered by this Bid on the Owner's standard Purchase Order for which terms and conditions are expanded to include all Bidding Documents and subsequent addenda issued thereto.

In submitting this bid, it is understood that the Owner reserves the right to reject any or all bids. It is further agreed that this bid is binding for a period of Ninety (90) days from the opening thereof.

Respectfully submitted,

Date: _____

Firm Name: _____

Registration Number (EIN): _____

By: _____

Signed: _____

Title: _____

Official Address: _____

Telephone Number: _____

Fax Number: _____

Primary Contact Email Address: _____

(If Corporation, affix Seal)

CERTIFICATE OF AUTHORIZATION FOR CONTRACT EXECUTION

This certificate shall be executed by some officer of the Corporation other than the one who signed the foregoing bid. Before executing, please note the last paragraph of this certificate.

I, _____, certify that I am the _____ of
(Official Corporate Title)

the corporation named contractor herein: that _____ who
signed the

foregoing bid on behalf of said corporation was then _____ of
said

corporation: that said bid was duly signed for on behalf of said corporation by authority of
its governing body and is within the scope of its corporate powers.

SIGNED:

TITLE:

FIRM:

DATE:

INCLUDE CORPORATE SEAL OR NOTARIZE BELOW

In lieu of the foregoing certificate, there may be attached to the bid a copy of that portion of the records of the corporation as will show the official corporate character and authority of the officer signing. Such copy shall be duly certified by the secretary or assistant secretary under the corporate seal to be true copies.

Michigan Familial Relationship Disclosure Statement

In accordance with Section 1267 of Michigan Revised School Code this sworn and notarized statement of an authorized representative, discloses any familial relationship between the owner and/or any employee of the Bidder, and any member of the project Owner’s governing Board(s) or Superintendent(s).

If any conflict of interest is discovered subsequent to submission of bid, written disclosure shall be submitted to the project Owner within seven (7) days of discovery. The project Owner reserves the right to immediately terminate any contract with Bidder upon notification of a conflict of interest. Upon such termination, the project Owner shall compensate Bidder only for the value of any goods or services provided to the Owner prior to such termination as determined by Designer.

(Check only one Box Below)

It is hereby acknowledged and certified by Bidder that no familial relationship exists between the owner or any employee of the Bidder and any member of the project Owner’s governing Board(s) or Superintendent(s).

A familial relationship exists between the owner or an employee of the Bidder and a member of the project Owner’s governing Board(s) or Superintendent(s). The person(s) and the relationship(s) are as follows:

Bidder

Board or Superintendent

Bidder Authorized Representative:

Bidder: _____

Representative’s Signature: _____

Print or Type Name: _____

Representative’s Title: _____

Subscribed and sworn this _____ day of _____, 2024.

In the County of _____ State of _____

By _____
Notary Public Signature

Seal or Stamp:

My commission expires on: _____

LEGAL STATUS OF BIDDER

The bidder shall indicate the legal status of the business firm by filling in the appropriate section below and by striking out the two non-applicable sections.

An **INDIVIDUAL** whose signature is affixed to this contract doing business under the name of:

EMPLOYEE IDENTIFICATION NUMBER (EIN): _____

A **PARTNERSHIP** doing business under the firm name of:

All of the members of which are as follows:

NAME _____

ADDRESS _____

EMPLOYEE IDENTIFICATION NUMBER (EIN): _____

A **CORPORATION** duly organized and doing business under the laws of the State of:

EMPLOYEE IDENTIFICATION NUMBER (EIN): _____

NON-COLLUSION AFFIDAVIT

The bidder, by its officers and authorized agents or representatives present at the time of filing this proposal, being duly sworn on their oaths, say that neither they nor any of them have in any way, directly or indirectly, entered into any arrangement or agreement with any other bidder or with any public officer of such County of Calhoun, Michigan, whereby such affidavit or affiant or either of them has paid or is to pay to such other bidder or public officer any sum of money, or has given or is to give to such other bidder or public office anything of value whatsoever, or such affidavit or affiant or either of them has not directly or indirectly entered into any arrangement or agreement with any other bidder or bidders, which tends to or does lessen or destroy free competition in the letting of the contract sought for by the attached proposal, that no inducement of any form or character other than that which appears on the face of the proposal will be suggested, offered, paid or delivered to any person whomsoever to influence the acceptance of the proposal or awarding of the contract, nor has this bidder any agreement or understanding of any kind whatsoever, with any person whomsoever to pay, deliver to, or share with any other person in any way or manner, any of the proceeds of the contract sought by this proposal.

COMPANY: _____

SIGNATURE: _____
(Contractor)

NAME: _____

TITLE: _____

DATE: _____

REFERENCES

Customer name: _____
Address: _____
City/State/Zip: _____
Contact name: _____
Contact title: _____
Phone: _____
E-mail: _____
Scope of project: _____

Date of completion: _____

Customer name: _____
Address: _____
City/State/Zip: _____
Contact name: _____
Contact title: _____
Phone: _____
E-mail: _____
Scope of project: _____

Date of completion: _____

Customer name: _____
Address: _____
City/State/Zip: _____
Contact name: _____
Contact title: _____
Phone: _____
E-mail: _____
Scope of project: _____

Date of completion: _____

CONTRACT EXCEPTIONS

Check one Box

Bidder takes no exception to, and agrees to comply with all sections, terms, conditions and/or requirements of the Contract Documents.

Bidder proposes the following exceptions to the Contract Documents:

<i>Paragraph Number</i>	<i>Explanation</i>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

NOTE:
Exception(s) to any bid sections, terms, conditions and/or requirements deemed excessive for any reason by the Owner and/or Designer may result in disqualification of Bid.

SECTION 00 21 13
INSTRUCTIONS TO BIDDERS

PART 1 - GENERAL

1.01 OWNERSHIP

- A. Bidders prepare and provide bids without any cost to the Owner and/or Designer. Once opened, bids become the sole property of the Owner. Bidders have no claim to, or ownership of bids opened. Bids become subject to all legal statutes including, if applicable, United States and Michigan Freedom of Information Acts and related laws.

1.02 COMPLIANCE

- A. This document establishes the primary system(s) design configuration. The Bidder's bid response shall include all services, supplies, components and equipment required to provide a complete turnkey system(s) which meets or exceeds all specifications for each given bid item being proposed.
- B. Owner prefers to enter into a contract with a single bidder for all materials for completion of this project, but shall consider combinations of portions of bids from various bidders. If portions of separate bids are deemed compatible and compliant with the intent of the project, and a combination of partial bids is deemed to be in the Owner's best interest, and the Owner reasonably expects willing and compliant bidders will cooperate with others for the benefit of the Owner during implementation of the system, the Owner reserves the right to award portions of the project to multiple bidders which will cooperate to complete the work.
- C. By their response, Bidders agree to comply with all sections, terms, conditions and/or requirements of the contract documents except as expressly noted, and specifically identified by paragraph number on the unaltered Contract Exceptions Bid Form. Exceptions to any bid sections, terms, conditions and/or requirements deemed excessive by the Owner and/or Bid Coordinator may disqualify Bid.
- D. The bidder shall clearly identify any proposed deviations from the contract terms or specifications identified in this Request for Bids. Each exception must be clearly defined and referenced to the proper paragraph in this Request for Bids. The exception shall include, at a minimum, the bidder's proposed substitute language and opinion as to why the suggested substitution will provide equivalent or better service and performance. If no exceptions are noted in the bidder's bid, the County will assume complete conformance with this specification and the successful bidder will be required to perform accordingly.

- E. In connection with the execution of this Contract, Contractor and any Subcontractors shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, age, or national origin.
- F. Negligence in preparation, improper preparation, errors in, or omissions from Bids shall not relieve Bidder from fulfillment of any and all obligations and requirements of the Contract Documents.
- G. All Bid documents and worksheets must be completed in detail and submitted together on time.
- H. All documents constituting the entire present agreement shall be construed in accordance with and governed by the laws of the State of Michigan.
- I. Designer shall have authority for interpretation of Contract Documents. In the event terms, provisions or any other portion of the Contract Documents is/are in dispute, Designer shall have full and final authority to interpret the Contract Documents, and such interpretation shall be final and binding.
- J. In the event of a conflict between any terms or conditions in any of the documents comprising the entire present Agreement, the terms and conditions set forth in this document shall take precedence.

1.03 ACCEPTANCE OF REQUEST FOR BID CONTENT

- A. It is the responsibility of all bidders to examine the entire Request for Bids package and seek clarification of any requirement that may not be clear and to check all responses for accuracy before submitting a bid. Negligence in preparing a bid confers no right of withdrawal after due time and date. The contents of this Request for Bids and the bidder's bid will become contractual obligations, if a contract ensues. Failure of the successful bidder to accept these obligations may result in cancellation of the award.

1.04 INQUIRIES

- A. Questions that arise as a result of this Request for Bids should be submitted via the Vendor Registry web portal at <https://vrapp.vendorregistry.com/Account/LogOn?returnUrl=%2F>. Questions are due by **August 23, 2023 @ 5:00 PM**. County replies to questions submitted by Vendors will be published to the Vendor Registry web portal and will be made available to all vendors registered under this RFP.

1.05 LATE BIDS

- A. Any bid time stamped at Vendor Registry web portal after the exact time specified will not be considered. Vendors are encouraged to submit bids at least 2 hours prior to the established deadline in order to avoid any technical issues that may cause their bid submission to be late.

1.06 ALTERNATE BIDS

- A. Bidders are cautioned that any alternate bid, unless specifically requested, or, any changes, insertions, or omissions to the terms and conditions, specifications, or any other requirements for this Request for Bids, may be considered non-responsive and at the option of the County, and result in the rejection of the bid.

1.07 CONTRACT NEGOTIATIONS

- A. At the completion of the evaluation process, the County may enter into discussions with the bidder finalist(s) determined to be reasonably susceptible to being selected for award, to identify any needed revisions to the original bid. Best and final offers may be requested of each of the finalists, or after careful consideration, the bidder that gives the most advantageous bid may be recommended for award. In the event only one bid is received, the County may require that the bidder submit a cost bid in sufficient detail for the County to perform a cost/price analysis to determine if the contract price is fair and reasonable. Award shall be made by the Purchasing Department to the bidder whose bid is most advantageous to the County.

1.08 CONTRACT

- A. The contract shall be based upon this Request for Bid issued by the County and the bid submitted by the Contractor in response to this Request for Bid. The bid shall substantially conform to the terms, conditions, specifications and other requirements set forth within the text of this Request for Bid. The County reserves the right to clarify any contractual terms with the concurrence of the Contractor; however, any substantial non-conformity in the bid, as determined by the County, shall be deemed non-responsive and the bid rejected. The contract shall contain the entire agreement between the County and the Contractor and shall prevail over any and all previous agreements, contracts, bids, negotiations, purchase orders, or master agreements in any form.

1.09 DISCLOSURE

- A. All information in bids received is subject to disclosure under the provisions of Public Act No. 446 of 1976 known as the "Freedom of Information Act". This Act also provides for the complete disclosure of contracts and attachments thereto.
- B. If a person believes that any portion of a bid, offer, specification, protest or correspondence contains information that should be withheld, then the Purchasing Department should be so advised in writing (price is not confidential and will not be withheld). The County shall review all requests for confidentiality and provide a written determination. If the confidential request is denied, such information shall be disclosed as public information.

1.10 NOTICE AND RESPONSE

- A. Upon notification of Bidder being considered as a finalist, the Bidder shall provide to the Owner and Designer, within 48 hours, a current “Dunn and Bradstreet Supplier Evaluation Report” and other documentation as may be required of finalists herein and as requested by Owner and/or Bid Coordinator.
- B. Bidder shall provide timely response to all requests from Designer and/or Owner regarding clarification and/or elaboration concerning, but not limited to its Bid as may be deemed relevant by the Owner and/or Designer.

1.11 PROTECTION AND SAFETY

- A. Contractor shall continuously maintain adequate protection of all Work from damage and shall protect the Owner’s property from injury or loss arising in connection with the execution of the Contract. Contractor shall make good any such damage, injury or loss, except such as may be directly caused by agents or employees of the Owner. The Contractor shall adequately protect adjacent property as required by law, by the Contract Documents, or as otherwise required, to cause no damage to them during the execution of the Contract. This requirement shall also apply to structures above and below ground as conditions of the site require.
- B. Contractor shall be solely responsible for, and have control over means, methods, techniques, sequences and procedures for initiating, maintaining and supervising all safety precautions and programs in connection with the performance of the contract. Contractor shall take all necessary precautions for the safety of employees and visitors on the site of the Project and shall comply with applicable provisions of federal, state, and municipal safety laws and building codes to prevent accidents or injury to persons on, about, or adjacent to the premises where the Work is being performed. Contractor shall erect and properly maintain at all times, as required by the conditions and progress of the Work, all necessary safeguards for the protection of workers and the community.
- C. Contractor shall vigorously defend any and all suits that may be brought against the Owner by any person and/or entity, whether in the employ of the Contractor or not, for damage to property, and/or injury or death to persons alleged or claimed to have been caused by or through the performance of work.

1.12 DRAWINGS DIAGRAMS AND ILLUSTRATIONS

- A. Drawings, Diagrams and Illustrations are diagrammatic in nature and indicate general arrangement and nature of systems and work included.
- B. Floor plan drawings are provided to assist the contractor in preparing documentation and reports as required herein.

PART 2 - MATERIALS

2.01 VOLUNTARY ALTERNATES AND SUBSTITUTION OF SPECIFIED PRODUCTS

- A. This Request for Bid describes a particular implementation. All Bids must provide pricing on the “base bid” as described herein. Voluntary alternatives providing comparable functionality with significant cost reduction and/or performance enhancement may be proposed. Voluntary alternatives are encouraged, but must be identified as “Voluntary Alternates” and detailed on unaltered Bid Forms contained herein. Voluntary Alternates may be further detailed and/or explained in attachments to the unaltered Bid Forms contained herein. Exceptions to the Request for Bid specifications must be clearly noted and explained for each Voluntary Alternate proposed.
- B. No substitutions of specified products may be made without specific prior authorization by Designer and Owner. Individual bid divisions herein contain particular information related to acceptable manufacturer and product requirements.
- C. Trade-in, equipment/license exchanges or other return allowances may be provided as a voluntary alternate. Trade-in, exchange or other return equipment allowances shall not be included in base bid amount.

PART 3 - EXECUTION

3.01 EXAMINATION OF DOCUMENTS AND SITE

- A. Bidders shall carefully examine the Contract Documents and the construction site to obtain first-hand knowledge of existing conditions and requirements. No plea of ignorance of conditions that exist, or any other relevant matter concerning work to be performed in the execution of work will be accepted as justification for failure to fulfill every detail of all requirements as described herein.

3.02 QUESTIONS, INTERPRETATIONS AND ADDENDA

- A. Any bidder finding discrepancies between Drawings, Specifications and/or Bid Documents, or be in doubt as to the exact meaning of any provision or detail shall notify the Designer at once, and before the deadline for Questions and Clarifications. The Designer may then, at their option, issue Addenda clarifying same. The Designer is not responsible for oral instructions, or Bidder’s/Contractor’s misinterpretations of Drawings, Specifications and/or Bid Documents.
- B. The Designer reserves the right to issue Addenda at any time up to thirty-six (36) hours prior to the scheduled bid opening. All such addenda shall become, upon issuance, an inseparable part of the Specification/Contract Documents.

Each bidder shall incorporate within their bid all costs for items listed in any/all Addenda, and shall acknowledge receipt and identifying number of each Addendum on the Bid Form and on the outside of the sealed bid container.

- C. Addenda will be forwarded to each bidder who has received a copy of the Bidding Documents and has submitted "Intent to Bid Form".

3.03 BID SECURITY AND BONDS

- A. Bid Security, Performance and Payment Bonds are required on this project.
 - 1. Bid security equal to five percent (5%) of the bid amount must accompany each bid in accordance with the Instruction to Bidders.
 - a. Bid security shall Bid Bond issued by a company licensed in the State of Michigan to furnish bid security.
- B. The selected Contractor will be required to provide a performance bond and a payment bond in an amount equal to one hundred percent (100%) of the bid amount including any accepted alternates at the Owner's discretion.
 - 1. The surety of the performance bond shall remain in effect until all acceptances and final contract close-out requirements herein have been executed by the Owner.

3.04 INSURANCE REQUIREMENTS

- A. The successful contractor shall not commence work under the contract sought by the bid until he/she has obtained the insurance required under this paragraph and provided copies to the Calhoun County Purchasing Department. All coverage shall be with insurance companies licensed and admitted to do business in the State of Michigan. All coverages shall be with insurance carriers acceptable to Calhoun County. Contractor shall be responsible to the County or insurance companies insuring the County for all costs resulting from both financially unsound insurance companies selected by Contractor and their inadequate insurance coverage.
 - 1. **Workers' Compensation Insurance:** The Contractor shall procure and maintain at its own expense during the term of the contract, Workers' Compensation Insurance with Michigan statutory limits and Employers' Liability Coverage with a minimum limit of **\$100,000** per occurrence for any employee.
 - 2. **Commercial General Liability Insurance:** The Contractor shall procure and maintain during the life of the contract, Commercial General Liability Insurance on an "Occurrence Basis" with limits of liability not less than **\$1,000,000** per occurrence and/or aggregate combined single limit, Personal Injury, Bodily Injury, and Property Damage. Coverage shall include the following extensions: (A) Contractual Liability; (B) Products

- and Completed Operations; (C) Independent Contractors Coverage; (D) Broad Form General Liability Extensions or equivalent; (E) Deletion of all Explosion, Collapse, and Underground (XCU) Exclusions, if applicable.
3. **Motor Vehicle Liability:** The Contractor shall procure and maintain at its own expense during the term of the contract Motor Vehicle Liability Insurance, including Michigan No-Fault Coverages, with limits of liability not less than \$ **1,000,000** per occurrence combined single limit, Bodily Injury, and Property Damage. Coverage shall include all owned vehicles, all non-owned vehicles, and all hired vehicles.
 4. **Builders Risk Insurance** The Contractor shall purchase and maintain during any and all construction activities contemplated by this Contract a builders completed value risk form policy (Builders Risk Policy) made payable to the Contractor and the County as their interests may appear. The policy shall include all risk, full cost replacement, property insurance in a form acceptable to the County for the length of time necessary to complete the Project. This insurance shall include as named additional insureds the County and all subcontractors and shall include, at a minimum, coverage for fire, windstorm, flood, earthquake, theft, vandalism, malicious mischief, transit, collapse, testing, and damage resulting from defective design, workmanship, or material. The Contractor will be responsible for any co-insurance requirements or deductibles.
 5. **Additional Insured:** Commercial General Liability and Motor Vehicle Liability Insurance, as described above, shall include an endorsement stating that the following shall be ***Additional Insureds:*** Calhoun County, all elected and appointed officials, all employees and volunteers, all boards, commissions, and/or authorities and board members, including employees and volunteers thereof. Additional insureds shall also include the State of Michigan, the State Transportation Commission, and the Michigan Department of Transportation, and their agents and employees, pursuant to Sec. 1.8.7. Insurance policies shall not contain endorsements or policy conditions which reduce coverage provided to the County.
 6. **Cancellation Notice:** Workers' Compensation Insurance, Commercial General Liability Insurance, and Motor Vehicle Liability Insurance, as described above, shall include an endorsement stating the following: "It is understood and agreed that Thirty (30) days Advance Written Notice of Cancellation, Non-Renewal, Reduction, and/or Material Change shall be sent to: (Purchasing Department, Calhoun County, 315 West Green Street, Marshall, MI 49068).
 7. If any of the above coverages expire during the term of the contract, the Contractor shall deliver renewal certificates and/or policies to Calhoun County at least ten (10) days prior to the expiration date. Failure to do so may result in the suspension of services and related payments. Include current certificates of insurances with your bid. The successful contractor may be required to have Calhoun County, State of Michigan, and the State Transportation Commission added as an additional insured to their insurance policy, pursuant to Sec.7.

3.05 GRATUITIES

- A. The County may, by written notice to the Contractor, cancel the contract sought by Contractor's bid if it is found that gratuities, in the form of entertainment, gifts or otherwise, were offered or given by the Contractor or any agent or representative of the Contractor, to any officer or employee of the County amending, or making any determinations with respect to the performing of such contract.

3.06 INDEMNIFICATION AND HOLD HARMLESS

- A. To the fullest extent permitted by law, the selected Contractor, on behalf of itself and its affiliates, directors, officers, employees, agents, successors, servants, volunteers, and assigns ("Indemnitor") agrees to defend, pay on behalf of, indemnify, protect and hold harmless Calhoun County, its elected and appointed officials, employees, and volunteers, and others working on behalf of Calhoun County ("Indemnified Persons") against any and all claims, liabilities, liens, fines, demands, suits, costs, or losses, including all legal fees and/or costs connected therewith, and for any damages which may be asserted, claimed, or recovered against or from the Indemnified Persons by reason of personal injury, including bodily injury or death and/or property damage, including loss of use thereof, which arises out of or is in any way connected or associated with this this bid or the contract sought by this bid. The Contractor will not be liable for any damages arising out of an act of gross negligence by the Indemnified Persons. Contractor's indemnification obligations shall survive the termination or expiration of the Contractor's bid and the contract sought by the Contractor's bid.

3.07 NO WAIVER OF RIGHTS AND REMEDIES

- A. No provision in this document or in the Contractor's bid shall be construed, expressly or by implication, as a waiver by either party of any existing or future right and/or remedy available by law in the event of any claim or default or breach of contract. The failure of either party to insist upon the strict performance of any term or condition of the contract or to exercise or delay the exercise of any right or remedy provided in the contract, or by law, or the acceptance of materials or services, obligations imposed by this contract or by law, and shall not be deemed a waiver of any right of either party to insist upon the strict performance of the contract.

3.08 INDEPENDENT SERVICE COST DETERMINATION BY CONTRACTOR

- A. By submission of a bid, the prospective contractor certifies that in connection with the bid:

1. The proposed service cost was determined independently, without consultation, communication, or agreement for the purpose of restricting competition.
2. The service cost quoted in the bid has not nor will be knowingly disclosed by the prospective contractor to anyone prior to the contract award.
3. No attempt has been made or will be made to induce other individuals or firms to submit or not submit a bid.
4. Each person signing the bid certifies that he/she is authorized to bind the contractor to its provisions.

3.09 DEFAULT, REMEDIES AND CANCELLATION

- A. A default under the contract executed as a result of this Request for Bids shall occur if (a) a Party fails to perform, in any material respect, any of its obligations set forth in the contract, (b) such failure is not excused by any provision of the contract, and (c) such failure continues un-remedied for a period of thirty (30) calendar days following receipt of written notice from a non-breaching party (“Default”).
- B. In case of default by the Contractor, the County may cancel the contract immediately and procure the articles or services from other sources and hold the contractor responsible for any excess costs occasioned thereby. The County may also recover all funds issued to the Contractor through the date of Default. Upon the occurrence of a Default, the non-breaching party may pursue any and all available legal or equitable remedies against the defaulting party simultaneously or consecutively, at its discretion.
- C. The contract executed as a result of this Request for Bids may also be cancelled by the County for lack of further need for the service or commodity at the location named in the contract or lack of funding. To cancel the contract, the County must give the Contractor written notice of such cancellation thirty (30) days prior to the date of cancellation without penalty or fine.

3.10 MODIFICATION AND WITHDRAWAL

- A. Bids may be withdrawn and/or changed any time prior to the bid opening. Bids may not be withdrawn or changed after the bid opening, and shall be deemed a firm offer continuing for ninety (90) calendar days. Bids received after the time and date for the public opening will be returned unopened at the Owner’s discretion.
- B. Withdrawal of any Bid after the opening time without specific approval by Owner may result in forfeiture of required bid security by Bidder.

- C. Bids may be withdrawn from the Vendor Registry web platform prior to the exact time set for receipt of bids by the vendor's authorized representative, provided the representative's identity is made known.

3.11 FORCE MAJEURE

- A. Notwithstanding any other provision in the contract executed as a result of this Request for Bids, no party shall be liable for any failure or delay in performing its obligations, or for any loss or damage, resulting from any event or circumstance beyond the reasonable control of the party, including but not limited to an earthquake, hurricane, flood, fire, lightning, pandemic, materials shortages, sinkhole or other forces of nature, acts of war, terrorism or civil unrest, strikes, lockouts or other labor unrest, or legal order, government action or application of laws, regulations or codes ("Force Majeure Event").
- B. A party whose performance is impacted by a Force Majeure Event shall provide reasonable notice to the other party and shall make commercially reasonable efforts to minimize the impact of the Force Majeure Event on its performance.
- C. The deadline by when a party must perform an obligation under the contract shall be postponed by the period of time by which the party's ability to perform that obligation is materially prevented or interfered with by a Force Majeure Event.

3.12 CONFIDENTIAL INFORMATION

- A. The following shall apply to the parties' proprietary information:
 - 1. Subject to the exceptions set forth below, the parties shall hold in confidence any non-public information obtained by it pursuant to the award process related to this Request for Bid, or the performance of the obligations required or the transaction contemplated by the contract executed as a result of this Request for Bids. Proprietary information includes, but is not limited to, proprietary or confidential information disclosed by either party to the other for the purposes contained within this Request for Bids or the contract executed as a result of this Request for Bids, including but not limited to any material clearly identified in writing as being such. Proprietary information shall be safeguarded and protected in the same manner as the recipient's procedures require to ensure protection and nondisclosure of recipient's proprietary and confidential information. The parties agree to advise and require their employees, agents, and subcontractors of their obligations to keep all proprietary information confidential. Disclosure to a subcontractor is permissible where the disclosure is necessary or otherwise naturally occurs in connection with work that is within the subcontractor's responsibilities. The recipient's obligation to safeguard and not disclose such proprietary

information shall not apply to information in the public domain, lawfully in the recipient's possession prior to receipt, or lawfully obtained from third-parties. The parties acknowledge that proprietary information may be disclosed as part of any normal reporting and review procedure with auditors and attorneys, or with any outside lender, or any proposed or actual successor in interest; provided, however, that prior to such disclosure, the third-party to receive such disclosure shall agree to maintain the confidentiality of the proprietary information.

2. Each party must use its best efforts to assist the other party in identifying and preventing any unauthorized use or disclosure of any proprietary information. Without limiting the foregoing, each party must advise the other party immediately in the event either party learns or has reason to believe that any person who has had access to proprietary information has violated or intends to violate the terms of the contract executed as a result of this Request for Bids, and each party will cooperate with the other party in attempting to regain possession of the proprietary information, prevent further unauthorized use or disclosure, and seeking injunctive or other equitable relief against any such person.
3. Each party acknowledges that breach of its obligation of confidentiality may give rise to irreparable injury to the other party, which damage may be inadequately compensable in the form of monetary damages. Accordingly, a party may seek and obtain injunctive relief against the breach or threatened breach of the foregoing undertakings, in addition to any other legal remedies which may be available.
4. If required by order of a governmental or judicial body, recipient may release to such body the proprietary information required by such order; provided, however, recipient agrees that prior to such release it shall promptly notify the other party of the order and allow the other party to contest any release of the proprietary information; and provided, further, recipient shall use all reasonable efforts to prevent such proprietary information from becoming disclosed to the public.
5. Upon termination of the parties' relationship, in whole or in part, each party must, within five (5) calendar days from the date of termination, return to the other party any and all proprietary information received from the other party, or created or received by a party on behalf of the other party, which are in such party's possession, custody or control. Should either party determine that the return of any proprietary information is not feasible, such party must destroy the proprietary information and must certify the same in writing within five (5) calendar days from the date of termination to the other party. However, if the party's legal ability to destroy data is restricted by its retention and disposal schedule, the other party's proprietary information will be destroyed after the retention period ends.

6. The confidentiality provisions in this section shall survive the expiration or termination of the parties' relationship.

3.13 FAIR EMPLOYMENT PRACTICES

- A. Any vendor engaged in the contract executed as a result of this Request for Bids shall conform to Public Act 453, 1976, as amended, "Michigan Civil Rights Act", the Civil Rights Act of 1964, the Equal Opportunity Employment Act of 1973 inclusive of subsequent amendments and the Federal Rehabilitation Act of 1973, Section 504, and certify they do not deny benefits or services, or otherwise discriminate on the basis of race, color, national origin (including limited English proficiency), disability, age, or sex (including sexual orientation and gender identity).

3.14 DISADVANTAGED BUSINESS ENTERPRISE

- A. Disadvantaged Business Enterprises (minority or woman owned businesses) will be afforded full opportunity to submit bids in response to this Request for Bids and will not be discriminated against on the grounds of race, color, creed, sex or national origin in consideration for an award. It is the policy of the County that disadvantaged business enterprises and minority business enterprises have an opportunity to participate at all levels of contracting in the performance of County contracts to the extent practical and consistent with the efficient performance of the contract.

3.15 FEDERAL, STATE, LOCAL LAWS

- A. The County anticipates that some or all the funds for this project will come from Federal grant sources, which may require the Contractor to comply with certain Federal contract and procurement statutes, regulations and policies. In some cases, the grant funding sources have determined whether compliance will be required, and in some cases, those requirements are uncertain. For example, broad band projects funded solely by Coronavirus State and Local Fiscal Recovery Funds (SLFRF), administered by the Department of Treasury, are not subject to certain federal requirements, including the Davis-Bacon prevailing wage requirement. More information is available in the final rule, and FAQ issued by the Department of Treasury. The FAQ's are available at <https://home.treasury.gov/system/files/136/SLFRF-Final-Rule-FAQ.pdf>.
- B. Other potential grant sources, such as the Federal Broadband Equity, Access and Deployment (BEAD) program, and the Michigan Realizing Opportunities With Broadband Infrastructure Networks (ROBIN) program, have their own, developing list of requirements. The Contract shall familiarize themselves with the requirements of these three programs, since they may all be used to fund the work contemplated by this Request for Bid.
- C. Depending on the requirements of the program that will fund the scope of work the successful bidder is selected to perform, the final Contract will

contain a Legal Compliance Addendum, agreed to at the time of final contract negotiation, detailing how the Contractor will comply with the grant requirements, and any other Federal, State, or Local contract or procurement requirements that may apply.

D. Finally, the Contractor will be required to self-certify that they have complied with all such contract or procurement requirements, and the compliance plan contained in Addendum agreed upon by the Parties. Some, or all of the following provision may apply to the final Contract and will need to be addressed in the final Legal Compliance Addendum. If the Contractor cannot comply with any one of these requirements, they believe the requirement is unnecessary, or if they propose an alternate means of compliance, their response to this bid shall so indicate.

1. When applicable, the following provisions shall apply to this Request for Bids and the contract executed as a result of this Request for Bids due to the funding in whole, or in part, by federal award monies:
2. Contractor assures the County it will comply with Section 1352, Title 31 of the U.S. Code (pertaining to not using federal monies to influence federal contracting and financial transactions). Contractor assures the County:
 - a. No federal appropriated funds have been paid or will be paid, by or on behalf of Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the making of any federal grant, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal grant or cooperative agreement.
 - b. If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a federal grant or cooperative agreement, Contractor shall complete and submit Standard Form – LLL, Disclosure of Lobbying Activities in accordance with its instructions.
3. Contractor assures the County it will follow applicable federal procurement standards as described in the Code of Federal Regulations Part 215 Subpart C – Post-Award Requirements, Procurement Standards, Sections 215.40-48 when procuring goods or services with federal funds to ensure that procurement decisions are made ethically and with free and open competition among those providing the goods or services.

4. If the regulations governing the grant program supporting the contract executed as a result of this Request for Bids require compliance with subchapter IV of chapter 31 of title 40, United States Code (commonly known as the “Davis-Bacon Act”), Contractor must provide a certification that all laborers and mechanics employed by subcontractors in the performance of this Agreement are paid wages at rates not less than those prevailing, as determined by the U.S. Secretary of Labor in accordance for the corresponding classes of laborers and mechanics employed on projects of a character similar to the contract work in the State of Michigan. If such certification is not provided, Contractor must provide a project employment and local impact report detailing:
 - a. The number of employees of subcontractors working on the project;
 - b. The number of employees on the project hired directly and hired through a third party;
 - c. The wages and benefits of workers on the project by classification; and
 - d. Whether those wages are at rates less than those prevailing.
5. Contractor must maintain sufficient records to substantiate this information upon request. The Parties agree the County will report all suspected or reported violations of this provision to the Federal awarding agency.
6. Contractor must also provide a certification the project includes a project labor agreement, meaning a pre-hire collective bargaining agreement consistent with section 8(f) of the National Labor Relations Act (29 U.S.C. 158(f)). If Contractor does not provide such certification, Contractor must provide a project workforce continuity plan detailing:
 - a. How Contractor will ensure the Project has ready access to a sufficient supply of appropriately skilled and unskilled labor to ensure high-quality construction throughout the life of the Project, including a description of any required professional certifications and/or in-house training;
 - b. How Contractor will minimize risks of labor disputes and disruptions that would jeopardize timeliness and cost-effectiveness of the Project;
 - c. How Contractor will provide a safe and healthy workplace that avoid delays and costs associated with workplace illnesses, injuries, and fatalities, including descriptions of safety training, certification, and/or licensure requirements for all relevant workers (e.g., OSHA 10, OSHA 30);

- d. Whether workers on the project will receive wages and benefits that will secure an appropriately skilled workforce in the context of local or regional labor market; and
 - e. Whether the project has completed a project labor agreement.
7. In addition, Contractor must also comply with the Copeland “Anti-Kickback” Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, “Contractors and Subcontractors on Public Bidding or Public Work Financed in Whole or in Part by Loans or Grants from the United States”) which prohibits Contractor from inducing, by any means, any person employed in the construction, completion or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. County shall report all suspected or reported violations to the Federal awarding agency.
 8. If this contract exceeds \$100,000.00 and involves the employment of mechanics or laborers, Contractor shall comply with U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). To that extent, Contractor must compute the wages of each mechanic and laborer on the basis of a standard forty (40) hour work week with hours exceeding this standard to be paid at one and one half (1.5) the standard hourly rate. In addition, Contractor agrees that no mechanic or laborer shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous.
 9. If this Agreement exceeds \$150,000.00, Contractor shall comply with all applicable standards, orders and/or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). The Parties agree that the County shall report all violations of these Acts to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (“EPA”).
 10. Contractor agrees to comply with all mandatory standards and policies relating to energy efficiency which are contained in the State of Michigan’s energy conservation plan issued in compliance with the Energy Policy and Conservation Act. (42 U.S.C. 6201).
 11. The Parties agree that County and Contractor shall comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include, for those items where the purchase price exceeds \$10,000.00 or the value of the quantity acquired by the preceding fiscal year exceeded \$10,000.00, procuring only items designated in guidelines of the EPA at 40 CFR, Part 247, that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of

competition; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program to procuring recovered materials identified in the EPA guidelines.

3.16 CODES, ORDINANCES, REGULATIONS AND RELATED

- A. All labor and materials shall be furnished and installed in strict accordance with the latest applicable codes, ordinances and regulations of any governing body having jurisdiction over this project.
- B. In the event the quality of labor and materials required by the Drawings and Specifications herein exceeds requirements of current applicable codes, ordinances and regulations, the Drawings and Specifications shall take precedence.
- C. In the event the quality of labor and materials required by current applicable codes, ordinances and regulations having jurisdiction over this project exceeds that of the Drawings and Specifications herein, the applicable codes, ordinances and regulations shall take precedence.
- D. The Contractor shall give all notices and comply with all codes, laws, ordinances, rules and regulations of any authority having jurisdiction, which bears on the performance of its work. This compliance includes, but is not limited to, the Michigan School Safety Initiative (PA129, PA130, PA131 and PA138) if applicable to work being performed.
- E. The Contractor shall pay for all licenses, permits, taxes, and fees required for this project; and shall comply with all federal, state, local and Owner's codes, laws, ordinances, regulations and other requirements applicable to the work specified at no additional cost to the Owner. Contractor shall submit copies of all approved certificates and approvals to the Owner upon receipt.

3.17 SUB-CONTRACTOR AND MATERIAL SUPPLIER

- A. The successful Bidder shall submit to the Owner and Designer a complete list of all subcontractors and all material suppliers proposed to engage on the work. Sub-contracts shall not be awarded until after they have been approved by the Designer and Owner.
- B. Finalist bidders may be required to submit additional details related to subcontractors and suppliers within forty-eight (48) hours after the bid opening.
- C. Names of any principal subcontractors must be listed on the Bid Form.
- D. All contracts made by the successful Bidder with Subcontractors shall be covered by the terms and conditions herein. The successful Bidder shall see to

it that Subcontractors are fully informed in regard to these terms and conditions and shall bind all subcontractors to the same terms and conditions. Failure to do so will absolve the Owner from any liability for additional cost due to subcontractor claims for additional cost, time or any claim(s) for additional cost by subcontractor(s).

3.18 BID RESPONSE FORMAT

- A. Bidder shall provide complete Bid copies as described herein.
 - 1. One (1) Electronic copy format responses shall be submitted electronically as specified, readable by a standard Microsoft Windows 10 workstation. Response shall contain separate folders to organize response documentation as described herein. Files submitted shall be *Adobe Acrobat* “PDF” format (SCHEDULE OF VALUES is additionally required to be in the appropriate folder as a spreadsheet and as described herein).
- B. All Bid Response formats shall be clearly externally marked to include, but not be limited to:
 - 1. Bidder identification.
 - 2. Project Owner identification.
 - 3. Project name.
 - 4. Bid submission date.
- C. Bid Responses shall include an index containing copies/PDF of a complete index of documents comprising Bid Response. Responses shall include, but not be limited to the following tabbed/folder sections:
 - 1. Section 1 – Forms, which shall contain copies/PDF files of all required and completed bid forms.
 - a. Qualifications of Firm
 - b. Bid Form
 - c. Michigan Familial Relationship Disclosure Statement
 - d. Iranian Economic Sanctions Form
 - e. References
 - f. Legal Status of Bidder
 - g. Non-Collusion Affidavit

- h. Certificate of Authorization for Contract Execution
 - i. Contract Exceptions
 - j. Schedule(s) of Values
 - k. Bid Bond
2. Section 2 – Overview, which shall contain copies/PDF files of cover letter and/or executive overview.
 3. Section 3 – Submittals, which shall contain copies/PDF files of all required and voluntary submittals.
 4. Section 4 – Appendices, which shall contain copies/PDF files of other reference materials Bidder wishes to, or is required to submit.

3.19 AWARD OF CONTRACTS

A. UPON NOTICE OF INTENT TO AWARD: The apparent successful bidder shall sign and file with the County all documents necessary to the successful execution of the contract.

1. The contract will be awarded to the most responsible bidder whose bid conforming to this Request for Bid will be most advantageous to the County; price and other factors considered.
2. The County reserves the right to accept or reject any or all bids and to waive informalities and irregularities in bids or bid procedures, and to accept any bid determined by the County to be in the best interests of the County, even though not the lowest bid.
3. The County reserves the right to postpone the bid opening for its own convenience.
4. The County reserves the right to reissue the Request for Bid.
5. NON-EXCLUSIVE CONTRACT: Any contract resulting from this Request for Bid shall be awarded with the understanding and agreement that it is for the sole convenience of Calhoun County. The County reserves the right to obtain like goods or services from another source when necessary.

3.20 PRIME CONTRACTOR RESPONSIBILITIES – SUBCONTRACTING

A. The awarded contractor will be required to assume responsibility for all obligations contained in the contract whether or not parts of the contract are subcontracted. Further, the County will consider the awarded contractor to be

the sole point of contact with regard to contractual matters, including payment of any and all charges resulting from the contract. If any part of the work is to be subcontracted, the awarded contractor must provide complete description of work subcontracted and descriptive information about subcontractors' organization and capabilities. In no event shall any provision of the contract sought by Contractor's bid be construed as relieving Contractor of responsibility for ensuring that performance under the contract complies with the applicable terms of the contract as if performances were rendered by Contractor itself, respectively.

- B. All subcontractors engaged by Contractor to perform work relating to Contractor's obligations under the contract shall be lawfully licensed to the extent required in the jurisdiction where such work is to be performed and shall maintain all certifications, credentials, authorizations and permits necessary for the work.

- C. All subcontracts shall comply with the Federal and State laws and regulations applicable to the services covered by the subcontract and shall include all the terms and conditions set forth herein which shall apply with equal force to the subcontract, as if the subcontractor were the Contractor referred to herein. This includes, but is not limited to, any and all reporting and other compliance requirements from the applicable Federal and State grant programs such as the Michigan's Realizing Opportunities with Broadband Infrastructure Networks (ROBIN) Program, the Coronavirus capital projects fund, section 604 of the American Rescue Plan Act of 2021, 42 USC 804, or the Broadband Equity, Access, and Deployment (BEAD) Program, authorized by the Infrastructure Investment and Jobs Act of 2021, Division F, Title I, Section 60102, Public Law 117-58, 135 Stat. 429. Contractor's execution of the contract as a result of this Request for Bid shall also serve to assure the County it will comply with Federal Regulation 45 CFR Part 76 and it will certify to the best of its knowledge and belief the Contractor and any subcontractors retained by Contractor:
 - 1. Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any federal department or contractor;

 - 2. Have not within a three-year period preceding the execution of the contract been convicted of or had a civil judgment rendered against it for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;

3. Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state or local) with commission of any of the offenses enumerated in Section (b); and
4. Have not within a three-year period preceding the contract had a government entity (federal, state or local) terminate one or more public transactions for cause or default.
5. Except as specifically authorized by the County in writing, Contractor, in selecting any subcontractor, shall utilize procurement procedures consistent with applicable regulations, as well as any other procurement requirements which necessarily “flow down” to Contractor.
6. In the event the Contractor suspends or terminates any subcontractor and such suspension or termination materially affects the contract executed as a result of this Request for Bid, Contractor agrees to notify the County in writing within thirty (30) days of such suspension or termination.

3.21 INDEPENDENT CONTRACTOR

- A. It is clearly understood that each party shall act in its individual capacity and not as an agent, employee, partner, joint venture, or associate of the other. An employee or agent of one party shall not be deemed or construed to be the employee or agent of the other party for any purpose whatsoever. Contractor shall hold no authority, express or implied, to commit, obligate or make representations on behalf of the County and shall make no representation to others to the contrary. Except as otherwise specified in the contract sought by Contractor’s bid, Contractor retains the sole right and obligation to direct, control or supervise the details and means by which the services under the contract are provided.
- B. Contractor shall not be entitled to compensation in the form of salaries, or to paid vacation or sick days by the County, and that such days do not accumulate for the use of same at a later date.
- C. The County will not provide any insurance coverage to Contractor, including Workmen's Compensation coverage. Contractor shall not be eligible for, or participate in, any insurance, pension, profit sharing or other plans established for the benefit of the County’s employees. The Contractor is advised that any income, federal and state income taxes, social security taxes, unemployment insurance taxes and any other tax or business license fees shall not be withheld from a County payment issued under the contract sought by Contractor’s bid and that Contractor should make arrangements to directly pay such expenses, if any.

3.22 ECONOMIC SANCTIONS

- A. The undersigned, acting either individually or as a duly authorized representative of the entity submitting the enclosed bid/bid hereby verifies that he/she/it is not an Iran linked business which is defined as follows in the Iran economic Sanctions Act, Public Act 517 of 2012, MCL 129.311, et. seq.: (i) A person engaging in investment activities in the energy sector of Iran, including a person that provides oil or liquified natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquified natural gas for the energy sector of Iran and/or (ii) A financial institution that extends credit to another person, if that person will use the credit to engage in investment activities in the energy sector of Iran.

3.23 ASSIGNMENT – DELEGATION

- A. No right or interest in the contract sought by Contractor’s bid shall be assigned by the Contractor without prior written permission of the County, and no delegation of any duty of Contractor shall be made without prior written permission of the County. The County shall not unreasonably withhold approval and shall notify the Contractor of the County’s position within 15 days of receipt of written notice by the Contractor.

3.24 TIME, SCHEDULES, PROJECT MANAGEMENT, MEETINGS AND PLANS

- A. Time is of the essence for this project. The award of contracts for this project will be contingent on the bidder’s agreement to complete the work on or before the contract completion date stated herein.
- B. All Contractors will commence work in such a manner and at such a time as to expeditiously interface with the work of other Contractors, and will pursue the project diligently to completion. All Contractors will work in a cooperative manner with Owner and other Contractors.
- C. Contractor shall appoint an overall Project Manager acceptable to Owner, with skills and experience deemed appropriate by the Owner for the scope and size of the project. Project Manager shall be responsible for the scheduling of all Contractor resources and attending all project meetings. Upon notification of Bidder being considered a finalist, the Bidder shall submit professional resume of proposed Project Manager within forty-eight (48) hours.
 - 1. Project meetings shall be conducted at Owner’s selected and identified location weekly and at Owner’s and/or Designer’s discretion.
 - 2. Within five (5) days of Notice to Proceed (issuance of a Purchase Order by the Owner), Contractor’s Project Manager shall provide to the Owner a critical flow path in the form of a “Gantt Chart” (or equivalent) indicating the proposed sequence of events and approximate beginning and completion dates in accordance with, compliance to, and coordinated with requirements herein.

3. Changes of the Project Manager during the project shall not be acceptable without prior written approval from the Owner.
4. It is the responsibility of the Contractor's Project Manager to schedule work, work out issues, ensure that all required products and services are delivered according to schedule and attend to any other matters required by the Owner in the interest of professional and timely completion of the project.
5. The appointed Project Manager, or a designee acceptable to the Owner, shall be in attendance of all project meetings throughout the term of the project. Failure to do so may be considered a material breach of contract.
6. After a ten (10) business day notice, the Owner reserves the right to request a new Project Manager, when it appears that, in the Owner's sole discretion, the Project Manager is not fulfilling the full responsibilities of the position. Failure by Contractor to provide adequate Project Manager meeting requirements of the Owner, may result in Contract termination.

3.25 CHANGES IN THE WORK

- A. No changes in work with the effect of either increasing or decreasing in the project value shall be made without specific and prior authorization by the Owner and Designer.
- B. Owner, without invalidating the contract and without notice to any surety, may at any time order extra work or make changes by altering, adding to or deducting from the work, the Contract Sum being adjusted accordingly. All such work shall be authorized by a written Change Order approved by Owner and Contract Designer. Upon receipt of such an order Contractor shall promptly proceed with the work involved. All such work shall be executed under the conditions of the original Contract. Owner authorized change order(s) may be issued at any time prior to Contract close out.
- C. When so directed, Contractor shall promptly submit an itemized estimate and a unit price for performing or deleting such extra or changed work as may be contemplated. Any extensions or reductions of the contract time associated with extra or changed work shall be identified at the time Contractor submits such documentation.
- D. At the Owner's discretion, adjustments in the Contract Sum shall be determined by one or more of the following methods:
 1. By mutual acceptance of a lump sum cost, including overhead and profit, itemized and supported by sufficient substantiating data to permit evaluation.

2. By unit prices stated in the Contract Documents including, but not limited to, Schedule of Values.
3. By unit prices mutually agreed upon.

3.26 PAYMENT REQUESTS AND PAYMENTS

- A. Contractor's invoices shall be submitted monthly in correlation with the Project Schedule indicating percentage of work completed.
- B. All contract and change order invoices shall be sent directly to Contract Designer.
- C. A 10% retainage shall be held back on all payment requests, including, but not limited to hardware, software, change orders and services, until final completion and close out of the project or project phase as determined by Owner and Designer.
- D. Contractors are required to submit all invoices on approved AIA Payment Request Forms or other billing format pre-approved by Contract Designer. Each AIA Payment Request Form shall be accompanied by a properly completed, executed and notarized Waiver of Lien which shall be in a format and contain verbiage approved by Owner.
- E. The Contract Designer and Owner shall process payment requests on a monthly schedule and in accordance with their respective established processes and procedures. Payments will be made by the Owner based only on AIA Request Forms having been previously certified, audited and approved by Contract Designer and accompanied by acceptable Waiver of Lien.

END OF SECTION

SECTION 00 65 00
CONTRACT CLOSE OUT

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Provide an orderly and efficient transfer of the completed work to Owner.
- B. Details affecting work of this Section include, but is not limited to all other Sections herein and all related Contract Documents.
- C. Activities relative to Contract close-out are described in, but not limited to, this and other Sections of this document.

1.02 SUBSTANTIAL COMPLETION

- A. "Substantial Completion" shall be defined as:
 - 1. All responsibilities of Contractor for all provisions and requirements of all divisions and sections of complete Contract herein, and as amended, are properly and fully completed or properly, accurately and acceptably provisioned for.
 - 2. All systems, equipment, facilities, services, programming and/or components required by all divisions and sections of complete Contract are fully operational, acceptable and useful to the Owner for their intended purposes.
- B. Prior to requesting inspection by Designer to certify Substantial Completion, Contractor shall use adequate means to assure the Work is completed in accordance with the specified requirements and is ready for such inspection.

PART 2 - MATERIALS

2.01 NOT USED FOR THIS SECTION

PART 3 - EXECUTION

3.01 PROCEDURES

- A. Contractor shall submit a written request to Designer indicating they have achieved Substantial Completion of Work.
- B. Within a reasonable time after receipt of the request, Designer will inspect Work to determine status of completion.
- C. Should Designer determine the Work is not substantially complete:

1. Designer promptly will so notify Contractor, in writing giving reasons therefore and providing sufficient details to allow Contractor to make corrective actions.
 2. Contractor shall then expeditiously remedy the deficiencies and notify Designer in writing when ready for re-inspection.
 3. Designer will re-inspect the Work.
 4. Excessive re-inspections of Work may result in fees being assessed Contractor.
- D. Should Designer concur the Work is substantially complete:
1. Designer will prepare a letter of Substantial Completion.
 2. Designer will submit the letter to Owner and Contractor.
 3. Contract shall be deemed "Closed Out" for retainage purposes.
 4. Final Acceptance of the system shall be deemed complete.

END OF SECTION

SECTION 28 20 00
VIDEO MONITORING SYSTEM

PART 1 - GENERAL

1.01 DESCRIPTION OF PROJECT

- A. Work described in this specification section pertains to the addition of camera devices, servers, licensing, cabling and installation services to enhance security in select school locations in Calhoun County for integration in the Safe Schools Project.
- B. Contractor shall propose a System to be deployed using IEEE Ethernet technology. The system components shall be installed and connected to the owner's Ethernet infrastructure and as specified herein. System shall be of a "network" architecture using Ethernet cameras and centrally located Ethernet server(s).
 - 1. Owner will provide adequate IEEE 802.3at 10/100/1000 Ethernet switch ports for the number of devices specified herein on existing switch infrastructure.
- C. The centralized server recording equipment shall be installed in the Owner's existing building Main Distribution Frame (MDF) and as required.
- D. Contractor shall advise, coordinate and work cooperatively with Owner representatives or Owner's designee related to any configuration changes required and/or proposed for Owner's existing Ethernet infrastructure (VLAN configuration, QoS mapping, routing, Firewall security provisions etc.).
- E. The Contractor shall design, engineer, configure, supply, connect, test, document, train Owner representatives and warrant a fully operational and compliant network video monitoring system, complete and with full functionality as specified herein.
- F. Contractor shall coordinate their installation with other contractors, Designer and the Owner as is appropriate.

1.02 WARRANTY

- A. Complete installation shall be free from defect and/or failure for a period of three (3) years. Any replacement, upgrade or fix, including labor for any non-conforming or non-operational part of the system shall be fixed and/or replaced at no cost to the Owner.
- B. Manufacturer's warranty shall be provided for all components of the system.
 - 1. System integrator or local vendor warranty, without underlying manufacturer's warranty/extended warranty will not be considered an acceptable base bid.

2. Any documents and/or submittals required by individual manufacturers for compliance with the standard and/or applicable extended warranty programs shall be provided and submitted for approval by the Contractor.
 3. Contractor shall submit all documents, apply for warranty or extended warranty certification, and provide a Certificate of Warranty or Extended Warranty as may be applicable from the manufacturer prior to project closeout.
- C. On site services provided under the warranty shall be performed by personnel or representatives of Contractor as herein defined and located within physical proximity to provide response levels deemed acceptable to Owner and without additional charge for any offending components.
- D. Contractor shall provide the following response times for all malfunctioning equipment:
1. Twenty-four (24) hours or less for matters that render twenty percent (20%) or more of the system unable to maintain normal functionality.
 2. Two (2) business days for matters not meeting the above criteria.
 3. Response time shall be measured from the time Contractor is notified by Owner to the time work is begun to resolve the matter.
 4. Review of all central server and/or processor logs and files to address errors and/or system anomalies to ensure continued compliance with manufacturer recommended best practices.
 5. Application of latest versions of all applicable manufacturer firmware, software upgrades/updates and any manufacture recommended patches and/or system fixes to maintain the system in the most current configuration recommended by manufacturer.
 6. Ensure all Owner documentation and record documents are updated with current and accurate information including, but not limited to camera models, serial numbers, Software and firmware versions, installation locations, recording settings (motion, FPS, resolution), Server configuration parameters and days storage available.
- E. System Warranty shall commence on date of acceptance by Owner. Delivery to work site of materials, physical removal from packaging, issuance of Contractor documents including, but not limited to invoices and/or packing slips, or any event or documentation, not specifically provided for herein, shall have no effect on Warranty or System Acceptance by Owner and/or Designer.
- F. MANDATORY ALTERNATE – 5 YEAR WARRANTY

1. Bidders shall provide alternate pricing to include a 5-year warranty for which all terms and conditions shall remain the same, but the term is 5 years rather than the base term of 3 years.

1.03 STORAGE OF MATERIALS

- A. All materials shall be secured when not in use by the Contractor.
- B. It shall be the Contractor's responsibility to secure all equipment including material to be installed as part of the contract. No changes shall be made to the contract due to loss or theft of equipment and/or materials not officially accepted by the Owner.
- C. Formal receipt of the materials shall not be completed by the Owner until completion of project closeout. The Contractor shall be responsible for all equipment until time of closeout as provided for herein.

1.04 SUBMITTALS

- A. Submittals shall consist of, but not be limited to, technical cut sheets and detailed information pamphlets on all components of the system to be installed. All cut sheets and submittals shall be distinctly marked to highlight the actual part number of the item being submitted for approval with Bid.
- B. Shop drawings and diagrams shall be submitted by Bidder for approval by Designer with Bid.
 1. Shop drawings and diagrams shall show all data relating to structural, electrical, wiring, cross connect, interconnect, equipment arrangement/layout, and any other information deemed significant by the Designer.
 2. No work constituting final installation shall be commenced until after approval of shop drawings by Designer.
- C. Contractor shall provide proof of manufacturer support by photocopy of certification and letter of support from major component manufacturers for this specific project with Bid.
- D. Equipment or material installed for this project that does not have an approved submittal associated with it, will be removed and replaced with acceptable equipment or material as defined by the Designer. All replacement costs including, but not limited to material and labor, shall be the sole responsibility of the Contractor.
 1. The Owner and/or Designer may notify Contractor of any offending situations under this provision allowing Contractor up to forty-eight (48) hours to correct the situation prior to taking other corrective action.

2. The Owner reserves the right to replace unapproved materials and deduct the costs of doing so as defined herein from any amounts that may be due, or become due Contractor.
- E. The Contractor shall submit within ten (10) calendar days after the Notice to Proceed, a schedule that reflects the sequence of activities of the contractor's approach to the execution of and completion of the work. The schedule shall be broken into work areas to provide for a clear identification of the planned progress of the work. Included in the schedule will be a list of tasks with list of deliverables and the percentage of work completed. This schedule shall coincide with progress payments applications dates and projected amounts. All durations shown will be in working days. Microsoft Project is the software of choice for this schedule. The timeframe described in the Contractor's Schedule shall represent the Contractor's plan for organizing, directing, managing, controlling, staffing and executing the work required by the Contract Documents. Owner will rely on such schedules to coordinate and otherwise plan related work of Owner personnel, other separate contractors, or the Owner's routine daily work.

1.05 REFERENCE SPECIFICATIONS

- A. All work, products, and materials shall conform with the following standards as applicable for the intended use:
1. EIA/TIA Commercial and Administration Standards
 2. NEC
 3. IEEE 802
 4. IETF RFCs
 5. FCC – All Applicable Rules and Regulations
 6. UL
 7. MOSHA Safety Standards

1.06 CONTRACTOR

- A. The Contractor shall accept complete responsibility for the installation, certification and support of the system. Contractor shall be an authorized vendor of all major components.
- B. All work shall be performed and supervised by Project Managers, Engineers and/or Technicians who are qualified to install system and perform related tests as recommended by the manufacturer and in accordance with the manufacturer's best practices and methods.

- C. Project Managers, Engineers and Technicians employed on this project shall be properly and fully trained and qualified by the manufacturer on the installation and testing of the equipment and systems to be installed.
- D. The Contractor shall have a proven track record in video monitoring system configuration and installation. This must be shown by the inclusion of references of at least three (3) projects involving the installation of similar systems completed by the Contractor in the prior two (2) years on unaltered forms with the sealed Bid as provided herein. Bid Form(s) may be duplicated as required in order to provide adequate space to list required number of reference installations for each division Bidder is responding to.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Acceptable Manufacturers (In alphabetical order):

1. AVIGILON
2. AXIS COMMUNICATIONS
3. DIGITAL WATCHDOG
4. EXACQVISION

2.02 Supply most current version of all products provided.

- A. The manufacturer shall have five (5) years of experience and history manufacturing similar products to those specified.
- B. Proposed components shall have been field tested and proven in actual use.
- C. Prior and/or old versions of products, unless specifically approved and documented by Designer and/or Owner shall not be acceptable.
- D. In cases where a newer version of hardware or software is available at the time of installation, Contractor shall request clarification from Designer on which version is to be used.

2.03 Furnish only new, first-class quality materials and equipment.

2.04 System shall be comprised of fully interoperable components including, but not limited to, camera licenses (which shall be installed on Owner's existing centrally located servers), Ethernet attached cameras, camera mounting brackets and housings, patch cords and all other necessary components integrated into a common working system.

2.05 CENTRAL VIDEO MONITORING CONTROL SOFTWARE

VIDEO MONITORING SYSTEM

- A. Contractor shall include necessary licensing identified in Appendix D.
 - 1. All **new** camera devices shall receive licensing (either Avigilon, Digital Watchdog or Exacqvision) for the term of the warranty.
- B. Acceptable Manufacturer(s)
 - 1. AVIGILON/MOTOROLA
 - 2. DIGITAL WATCHDOG
 - 3. EXACQVISION
- C. Central control software shall be installed on Contractor or Owner supplied server environment where applicable.
- D. Contractor shall fully configure VMS building map feature to reflect actual installed camera devices, including location and camera direction where applicable.
- E. Contractor shall fully configure provided licensing and software for a fully functional system.
- F. Contractor shall name cameras using Owner provided naming convention.

2.06 CENTRAL VIDEO MONITORING CONTROL SERVER HARDWARE

- A. Contractor shall supply and fully install manufacturer supported server hardware.
- B. All necessary licensing and labor shall be provided to configure devices shall be provided.
- C. Video Monitoring Control Server Hardware shall be provided in all locations identified in Appendix D.
- D. Acceptable Manufacturers (In alphabetical order):
 - 1. AVIGILON
 - 2. DIGITAL WATCHDOG
- E. Central Video Monitoring server hardware shall meet or exceed the following requirements.
 - 1. AVIGILON
 - a. Contractor shall provide pricing for central video monitoring servers in quantities as indicated in Appendix D.
 - b. Devices shall meet or exceed the following requirements:

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- c. NVR5-STD-48TB-S19 or Equal
- d. 2U Rack Mount
- e. 42TB usable space with RAID
- f. 2 x 1 GbE
- g. Windows Server 2019
- h. 3 Year Warranty – Next Business Day

2. DIGITAL WATCHDOG

- a. Contractor shall provide pricing for central video monitoring servers in quantities as indicated in Appendix D.
- b. Devices shall meet or exceed the following requirements:
- c. DW-BJER2U48T or Equal
- d. 2U Rack Mount
- e. 42TB usable space with RAID
- f. 2 x 1 GbE
- g. Windows Server 2019
- h. 3 Year Warranty – Next Business Day

2.07 CAMERAS

A. Acceptable Manufacturers (In alphabetical order):

- 1. AVIGILON
- 2. AXIS
- 3. DIGITAL WATCHDOG

B. Ethernet cameras shall be provided. See Appendix B – Building Diagrams and Appendix C – Camera Schedule provided herein for information on quantity and locations. Cameras shall meet or exceed the following specified capabilities:

- 1. Interior/Exterior Single Lens (Type A)
 - a. Axis P3268-LVE or Acceptable Manufacturer Equivalent

- b. Rated for interior or exterior use
- c. 100-degree horizontal field of view
- d. 54-degree vertical field of view
- e. Remote focus
- f. Activity/motion detection
- g. Lightfinder 2.0
- h. Built-in IR
- i. 0.14 lux minimum illumination (Color)
- j. 0 lux minimum illumination (BW)
- k. 3840x2160 Image Size
- l. 25/30 max frames per second
- m. Zipstream
- n. H.264 Compression
- o. H.265 Compression
- p. Motion JPEG Compression
- q. 10/100 Ethernet (RJ-45) connector
- r. IEEE 802.3at Power over Ethernet
- s. Operating temperature range from 35 – 120 degrees Fahrenheit.
- t. Internal image memory for motion-based buffering
- u. Cameras shall be installed in mechanical flush mounted, integrated, tamper and impact resistant dome enclosure mount adapter to facilitate installation either directly on walls, to a ceiling or to a single gang electrical box providing 10/100/1000 PoE+ UTP connection for installed camera. Domes shall also meet or exceeding the following requirements:
 - 1. Optically correct polycarbonate lower dome with light loss not greater than 11.5 f-stops.
 - 2. Dust and water protection based.

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3. Puncture resistant with capability to withstand a pointed impact force of 35 foot-pounds without creating an internal depression greater than .2 inches.
 4. Impact resistant with capability to withstand repeated multiple blunt impact forces up to 100 foot-pounds.
 5. Camera shall include all necessary mounting hardware and accessories for a fully supported installation.
 6. In locations where cameras are located on corners, Contractor shall supply and install necessary corner bracket and pendant mount for a fully finished installation.
2. Interior/Exterior Dual Sensor (Type B)
- a. Axis P4707-PLVE or Acceptable Manufacturer Equivalent
 - b. Rated for interior or exterior use
 - c. Two (2) lenses in a single camera housing with combined horizontal angle of view of 180 degrees
 - d. Activity/motion detection
 - e. 0.17 lux at 50 IRE F1.8 minimum illumination (Color)
 - f. 2592x1944 Image Size per image sensor (lens) (x2)
 - g. H.264 Compression
 - h. H.265 Compression
 - i. 360 Degree IR
 - j. Object Analytics
 - k. Motion JPEG Compression
 - l. 30fps Maximum Frame Rate at full resolution
 - m. 10/100 Ethernet (RJ-45) connector
 - n. IEEE power over Ethernet (802.3at) compliance
 - o. Internal image memory for motion-based buffering
 - p. Operating temperature range from -22 – +112 degrees Fahrenheit.

- q. Cameras shall be installed in integrated, tamper and impact resistant, environmentally controlled dome enclosure meeting or exceeding the following requirements:
 - 1. Optically correct acrylic or polycarbonate lower dome with integral UV protection.
 - 2. Dust and water protection based on EN60529 standard of IP66.
 - 3. Integral sun shroud where installed outdoors
 - 4. Available integrated enclosure or “Gooseneck” and “Corner” wall mount adapter to comply with installation either directly on exterior walls or to a single gang electrical box and as identified herein, providing 10/100/1000 PoE+ UTP connection for installed camera.
 - 5. Impact resistant with capability to withstand repeated multiple blunt impact forces up to 100 foot-pounds.
 - 6. Camera shall include all necessary mounting hardware and accessories for a fully supported installation.

3. Interior/Exterior - Quad Sensor (Type C)

- a. Axis P3737-PLE or Acceptable Manufacturer Equivalent
- b. Rated for interior or exterior use
- c. Four (4) lenses in a single camera housing with combined horizontal angle of view of 360 degrees
- d. Activity/motion detection
- e. 0.19 lux at 50 IRE F1.8 minimum illumination (Color)
- f. 2593x1944 max video resolution
- g. H.264 Compression
- h. H.265 Compression
- i. 360-degree IR
- j. Motion JPEG Compression
- k. 25fps Maximum Frame Rate at full resolution
- l. 10/100 Ethernet (RJ-45) connector

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- m. IEEE power over Ethernet (802.3at) compliance
- n. Internal image memory for motion-based buffering
- o. Operating temperature range from -22 – +112 degrees Fahrenheit.
- p. Cameras shall be installed in integrated, tamper and impact resistant, environmentally controlled dome enclosure meeting or exceeding the following requirements:
 - 1. Optically correct acrylic or polycarbonate lower dome with integral UV protection.
 - 2. Dust and water protection based on EN60529 standard of IP66.
 - 3. Integral sun shroud where installed outdoors
 - 4. Contractor shall supply “Gooseneck” and “Corner” wall mount adapter to comply with installation either directly on exterior walls or to a single gang electrical box and as identified herein, providing 10/100/1000 PoE+ UTP connection for installed camera. Contractor shall supply “Gooseneck” and/or “Corner” wall mount adapters for all exterior locations as identified on provided diagrams.
 - 5. Contractor shall supply necessary tile support bridge for all interior camera locations.
 - 6. Contractor shall supply all necessary power injector devices to power each camera.
 - 7. Impact resistant with capability to withstand repeated multiple blunt impact forces up to 100 foot-pounds.

4. Interior/Exterior Panoramic (Type D)

- a. Axis M4318-PLVE or Acceptable Manufacturer Equivalent
- b. Rated for interior or exterior use
- c. 182-degree horizontal field of view and 182-degree vertical field of view
- d. Activity/motion detection
- e. 0.19 lux at 50 IRE F2.2 minimum illumination (Color)
- f. 0.04 lux (B/W)

- g. 2992 x 2992 Image Size (Overall)
- h. H.264 Compression
- i. H.265 Compression
- j. Motion JPEG Compression
- k. 30fps Frame Rate at full resolution
- l. 10/100 Ethernet (RJ-45) connector
- m. IEEE power over Ethernet (802.3at) compliance
- n. Internal image memory for motion-based buffering
- o. Operating temperature range from -35 – 120 degrees Fahrenheit.
- p. Cameras shall be installed in integrated, tamper and impact resistant, environmentally controlled dome enclosure meeting or exceeding the following requirements:
 - 1. Optically correct acrylic or polycarbonate lower dome.
 - 2. Dust and water protection based.
 - 3. Integrated enclosure mount adapter to facilitate installation either directly on walls, to a ceiling or to a single gang electrical box providing 10/100/1000 PoE+ UTP connection for installed camera.
 - 4. Impact resistant with capability to withstand repeated multiple blunt impact forces up to 100 foot-pounds.
 - 5. Contractor may mount dome cameras directly to wall or ceiling in interior or exterior locations using manufacturer recommended methods and industry best practices.
 - 6. Camera shall include all necessary mounting hardware and accessories for a fully supported installation.
 - 7. In locations where camera is installed in corner locations, Contractor shall supply and install appropriate corner bracket and pendant mount for a fully finished installation.

5. Network Video Door Stations (Type E)

- a. Axis I8116-E or Acceptable Manufacturer Equivalent
- b. Activity/motion detection

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- c. Horizontal field of view – 162.3 degrees
 - d. 2592 x 1944 resolution
 - e. 30fps Maximum Frame Rate at full resolution
 - f. 10/100/1000 Ethernet (RJ-45) connector
 - g. Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3b
 - h. SIP Compatible
 - i. IP65 rated
 - j. IK07 rated
 - k. Operating temperature range from -25 °C to 55 °C (-13 °F to 131 °F)
 - l. Contractor shall be responsible for the configuration of the door station as a camera only, additional configuration and connection will be provided by Others.
- C. **All** camera devices should include an appropriate midspan Ethernet power injector. Ethernet power injector devices shall be appropriately sized to power camera devices and be fully supported by the camera manufacturer.
- D. Ethernet cameras shall properly and acceptably communicate over, and attach to, Owner’s standard Ethernet communications network provided by others and be powered by use of IEEE 802.3at compliance.
- E. Cameras shall conform to and/or support the following certifications, features, standards and/or protocols:
- 1. Secure network access incorporating user ID and password protection
 - 2. NTP
 - 3. SNMP
 - 4. FCC Part 15 Subpart B Class B
 - 5. Underwriters Laboratories Listed
- F. IEEE 802.3 (Ethernet) UTP eight (8) pin modular connector.
- G. Each camera shall be provided with an appropriate license for operation with the Central Video Monitoring and Control Software system and include the warranty provisions for continual operation and support for the period described herein.

H. All cameras and/or camera enclosures shall be firmly and securely mounted to finished ceiling, wall, or other surfaces as required and/or specified herein to maximize coverage and minimize tampering potential. Bidder shall provide, in base bid, all mounting materials and labor to comply with mounting conditions documented herein.

2.08 MOTOROLA EDGE DEVICES (Installation Only)

- A. Contractor shall install and configure Motorola EDGE appliance devices in locations and quantities shown in Appendix D. Motorola EDGE appliance devices shall be provided by Others for Contractor installation.
- B. Contractors shall install Motorola EDGE appliance devices in school district MDF/IDF locations as necessary. Contractor shall securely mount devices provided racks.
- C. Contractor shall fully configure devices to connect through Owner provided network and Internet connection to Calhoun County Sheriff's Office Motorola CommandCentral Aware installation. Contractor shall collaborate with Motorola professional services to make devices fully functional.
- D. Contractor shall work collaboratively with school district technical personnel to configure devices on provided network to allow secure connection to existing and new camera devices.
- E. Contractor shall work collaboratively with Owner to configure credentials on existing cameras to provide access for Motorola Edge devices.
- F. Contractor shall supply all labor and materials for a fully functional system.

2.09 EXISTING CAMERA LOCATION DOCUMENTATION

- A. To integrate **existing** and **new** cameras into the Calhoun County Sheriff's Office CommandCentral Aware installation, information must be collected for all new and existing camera locations.
- B. Contractor shall be responsible for utilizing existing camera locations to identify specific information regarding each camera location for import into the CommandCentral Aware installation by Others.
- C. Contractor shall prepare and provide to Owner a list of each camera providing the following information:
 - 1. District
 - 2. School
 - 3. Camera Name

4. IP Address

5. GPS Coordinates – Latitude and Longitude

D. Information shall be provided to Motorola for import into CommandCentral Aware installation.

E. Contractor shall supply all labor to collect information identified from all new and all existing cameras in each school district.

2.10 STRUCTURED CABLING

A. MANUFACTURERS

1. Manufacturer(s) of major components of the structured cable system shall be a known and leading entities in the communications field, and shall have been designing, manufacturing and installing similar systems for a period of no less than four (4) years.

2. Acceptable Manufacturers (In alphabetical order):

a. AT&T / Systimax

b. Belden

c. Berk-Tek

d. Corning/Siecor

e. General Cable

f. Hubbell

g. Nordx-CDT

h. Panduit

3. System shall be built upon an open and standard platform, supporting industry standards. Systems that are deemed Proprietary in nature shall not be considered.

B. COPPER CABLE

1. Station Cable shall meet or exceed:

a. Four (4) pair Category 6 Unshielded Twisted Pair (UTP) cable.

b. All wiring not installed in conduit shall be plenum type cable and shall be so identified with continuous marking.

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- c. Twenty-three (23) AWG
 - d. Compliant as per EIA/TIA-36 specifications
 - e. Certified under UL's LAN Cable Certification Program
2. All cables shall be terminated for T568B compliant connection.
 3. Coordinate cable color(s) with Owner requirements prior to installation.

C. CROSS CONNECT EQUIPMENT

1. Cross Connect Equipment shall meet or exceed:
 - a. Patch Panel for UTP Category 6 Cable Termination.
 - b. Rack mounted category 6 compliant printed circuit board technology, patch panel with T568B compliant terminations on front of panel and 110 type terminations on rear of panel.
 - c. Rack mounted patch panels shall be no larger than Forty-eight (48) ports each.
 - d. All patch panels shall be arranged with 1U spacing to allow 1' patch cable connections.
 - e. Furnish and install smear resistant, mechanically imprinted polyester or similar material labels to identify each port of all patch panels (fiber optic and copper) in compliance with EIA/TIA 606 standards or Owner required scheme. Labels shall be permanently affixed to patch panels.

D. WIRING DEVICES

1. All station cable shall terminate on modular jacks that meet or exceed:
2. Category 6 compliant
3. 8 position T568B compliant modular female jack.
4. Modular jacks that terminate above finished ceiling will be plenum rated.
5. Snap-in, high impact housing
6. Field verify and coordinate insert color to match Owner requirements.
7. Field verify and coordinate plates and/or outlet frame colors and materials to coordinate with electrical devices and Owner requirements.

8. Where station cable is to terminate above finished ceiling or behind a finished wall for cameras, speakers, or other special station devices, modular jack may be surface mounted in appropriate high strength, impact resistant plenum rated plastic enclosure.
9. Furnish and install matching coordinating blank cover plates for all unused communications outlets indicated on drawings.
10. Mount flush plates so all four edges are in continuous contact with finished surfaces.
11. Furnish and install smear resistant, mechanically imprinted polyester or similar material labels to identify each port of all patch panels (fiber optic and copper) in compliance with EIA/TIA 606 standards or Owner required scheme. Labels shall be permanently affixed to modular jack.

E. OWNER STANDARDS

1. Contractor shall provide connectors in a color to match the Owner's existing standards.
2. Contractor shall provide cover plates and any associated keystone inserts as may be required matching Owner's existing standards.
 - a. Stainless Steel cover plates.
 - b. Grey keystone inserts.
3. Contractor shall provide connector identification and labels on all terminations matching Owner's existing standard. Field verify all label conditions per site prior to final installation.

F. PROJECT CABLE CONFIGURATIONS

1. Contractor shall supply one (1) category 6 data cable at each new camera location.
 - a. Above Ceiling Outlet
 1. Contractor shall provide above ceiling outlets including, but not limited to:
 2. UTP station cable(s) terminated on compliant patch panel in nearest IDF and wire device with a single surface mounted biscuit jack.
 3. Device location shall be as indicated on drawings and above finished ceiling/surface, but accessible for station connection.

4. Surface mount device box shall be bright in color and/or contain a permanently attached brightly colored reflective identification label to facilitate visual location of connection point behind finished surfaces.

2.11 ALLOWANCES

- A. Contractor shall include allowances for equipment and/or other contract service reimbursements as required below in base bid lump sum amount(s). Equipment and/or contract services shall be provided and sourced at Owner's discretion and convenience with full cooperation by Contractor, and paid for from successful bidder's contract in the amount(s) provided for herein. Any allowance amount proving to be excessive for the intended equipment and/or contract services shall be credited to the Owner against contract payment requests.
 1. Allowance shall be made in the amount of \$10,000.00 for contract services related to renovation and configuration of necessary infrastructure upgrades at the Owner's sole discretion.
 2. Allowance shall be made in the amount of \$20,000.00 for contract services related to renovation and configuration of necessary network infrastructure upgrades at the Owner's sole discretion.

PART 3 - EXECUTION

3.01 PREPARATION

- A. Contractor shall conduct detailed walk-through examination with Designer, Construction Manager and Owner verifying equipment and material locations as well as mounting, view and placement requirements prior to commencement of other installation activities.
- B. Owner and Designer shall approve a written final installation plan provided by Contractor prior to commencement of installation activity.
- C. Contractor shall ensure all submittals and shop drawings have been provided to, and approval has been obtained from Designer prior to commencement of any final installation activities.

3.02 INSTALLATION

- A. Contractor shall be familiar with the environment where work will be done as specified herein and make every reasonable effort to minimize interference with Owner's or other contractor's activities.
- B. Work Areas shall be cleaned at the end of each day. All debris shall be cleared, removed and disposed of in an approved container for the site. All equipment and tools shall be removed from common areas and stored in approved, secure storage locations. Any work that may impede the general use of the space and/or other

VIDEO MONITORING SYSTEM

contractor's work and cannot be removed shall be flagged and cordoned off by the Contractor prior to their departure.

- C. All equipment and materials shall be installed in a neat and workmanlike manner. Best practices installation principles shall be used throughout the project.
- D. The Contractor shall furnish, set in place, and install all equipment necessary for a fully compliant and operational system as specified herein. The structured cabling installation process includes, but is not limited to the following:
 - 1. Cables installed in a professional manner to prevent tangling and congestion and to facilitate installation or removal of cables in the future.
 - 2. Cables installed without kinks (any bend with a radius less than manufacturer defined minimum).
 - 3. All cable free of abrading or penetrating of cable jacketing.
 - 4. In suspended ceiling where cable trays or conduit are not available, Contractor shall support wiring with "D – rings", beam clamps or other approved cable support devices at appropriate distances (6 ft. minimum).
 - 5. All information outlets shall be labeled according to the Owner's cable identification scheme. Labels shall be completed using pre-printed labels. Handwritten labels are not acceptable.
 - 6. The Contractor shall label all cables, jacks, patch panel positions, faceplates and cross connects.
 - 7. In-line cable splicing shall not be permitted.
 - 8. Contractor shall provide 10' minimum service loop above accessible ceiling for each terminated cable in pole access for modular furniture to accommodate future changes.
 - 9. Length of each individual run of horizontal cable from the MDF/IDF to the information outlet shall not exceed 90 meters (295 ft.).
 - 10. IDF(s) and MDF locations have been identified in the appendices herein. Contractor shall calculate distances to insure the adherence to the EIA/TIA 568 distance limitations. Contractor shall notify Architect/Engineer of cable length exceptions prior to installation in writing and request direction.
 - 11. All copper data cabling shall terminate on Category 6 compliant connectors. Approximately 10 ft. of Category 6 and/or fiber cabling shall be coiled and stored at each cable distribution center in order to accommodate future change.

12. Wiring not installed in conduit shall not be routed within 18 inches of light fixture ballasts or within 36 inches of motors or transformers.
 13. Coordinate cable colors with Owner requirements prior to installation.
 14. Contractor shall include any sleeves where wall penetrations are needed as identified on provided communications drawings. Sleeves shall be a minimum of 2". All installed sleeves shall be fully fire stopped with compliant fire stop material following cable installation. If other wall penetrations are required to complete work but are not identified on provided drawings, contractor shall supply 1 - 2" sleeve.
 15. Provide backboards, properly treated for fire retardation in locations with new racks and required by site conditions.
 16. Ramset anchors shall NOT be allowed in any locations with precast concrete. Drilled anchors should be used only.
- E. The Contractor shall furnish, set in place, and install all equipment necessary for a fully compliant and operational system as specified herein. The video monitoring installation process includes, but is not limited to the following:
1. Inventory receipt of all components and equipment.
 2. Storage of all equipment and components until such time those items are installed according to the specifications.
 3. Transport equipment to the Owner's installation location(s).
 4. Assemble, install, configure and test all equipment and components, maintaining accurate inventory records and status documents and discarding packaging.
 5. Carefully aim and focus each system camera to meet Owner's required views and focal points.
 6. Collect all information necessary to accurately program all system devices to the Owner's intended use and need.
 7. Label all system devices as may be appropriate and required by Owner and Designer.
 8. Complete end user and system administrator training programs as specified herein.
 9. Work shall be performed to meet local codes and industry standards including proper grounding and bonding of installed equipment.

10. Work includes extending Ethernet from installed equipment, as required, to Owner identified connection outlets at all locations.
 - a. Work includes supply and connection of Category 6 Ethernet patch cables (both at the camera location and IT closets). Cables for some cameras may be in air plenum spaces, above finished ceilings, or in other ways require special care and suitable tools to complete.
 - b. Patch cables at camera location shall not exceed twenty-five (25) feet in length.
 - c. Patch cables at wire closets for cross connection to Owner's existing Ethernet switching infrastructure shall not be excessive in length, but be installed and routed to efficiently reach each connection point with reasonable and adequate slack for efficient "clean" access and ongoing maintenance.
 - d. Contractor shall cross connect and report back switch port locations back to Owner for programming as necessary.
 - e. Coordinate with Owner for patch cable colors.

11. Camera mounting and penetrations:

- a. Where cameras will be mounted on interior or exterior walls, Contractor shall be responsible for making final penetration to extend existing data cabling or data cabling provided by Others.
- b. In locations where new data cabling will be provided, Contractor shall be responsible for installing cabling to adjacent area for connection to camera device.
- c. Where penetrations are made through fire rated walls, Contractor shall be responsible for supplying appropriate fire stop material.

F. Additional and Specific Requirements for New Camera in New Location

1. Contractor shall install all new cameras in locations indicated on appendices and detailed in related installation sections herein, and/or as directed by Owner and Designer. New equipment shall be installed and mounted to facilitate desired views and focal points.
2. Contractor shall use care and employ best industry practices to ensure mounting of new equipment is professional and appropriate.

G. Additional and Specific Requirements for New Camera in Existing Location

1. Contractor shall remove existing camera equipment associated with units as indicated on appendices and described herein. Work to remove existing cameras shall include, but not be limited to, bracket removal, cable removal where cable is non-compliant with new camera install and actual camera equipment.
 - a. Contractor shall carefully remove and provide to Owner existing cameras that will not be used.
2. Contractor shall install all new cameras in locations indicated on appendices and detailed in related installation sections herein, and/or as directed by Owner and Designer. New equipment shall be installed and mounted at existing locations to the degree mounting in those locations will facilitate desired views and focal points.
3. Contractor shall use care and employ best industry practices to ensure mounting of new equipment professionally and appropriately restores the surface and location vacated by prior equipment to the best possible condition.
4. All equipment removed from existing locations shall be turned over to the Owner at the Owner's discretion.

H. Sites of Work:

1. See Appendix A.

I. It shall be the responsibility of the Contractor to repair or replace any damage done to the structure of finishes in the building by the Contractor. If in the course of work, Contractor damages, marks or misplaces any surfaces or access plates/panels the Contractor shall repair and/or replace the surface, plate or panel to the original condition.

1. Final determination as to the damage condition and/or repair/replacement fitness of any surface, plate or panel shall be the sole responsibility of the Designer.
2. The building and work area shall be returned to its original condition prior to final sign off of the project.

J. Following installation and system "turn-up", but prior to final acceptance of the system, Contractor shall conduct follow-up interviews with Owner identified administrators and staff to review system functionality, suitability and confirm feature and program fitness for Owner applications.

1. Follow-up interviews shall be fully documented by Contractor and submitted to Owner for approval.

3.03 TESTING – STRUCTURED CABLING

VIDEO MONITORING SYSTEM

- A. End to end testing of UTP copper Category 6 cables shall be conducted at 350 Mhz to meet or exceed reference standards. 100% of all pairs shall be tested. Documentation of test results shall be provided including, but not limited to the following parameters:
 - 1. Attenuation.
 - 2. Near End Cross Talk (NEXT).
 - 3. Signal to noise ratio.
 - 4. continuity
 - 5. Pair integrity
 - 6. EMI interference.
 - 7. Any cable that does not meet EIA/TIA 568 specifications shall be repaired or replaced at the Contractor's expense.
 - 8. Cable length.
- B. In an effort to ensure a smooth "turn-up" of the new system Contractor shall submit to a thorough testing process as defined herein prior to cut-over.
- C. Prior to requesting testing by Designer, the Contractor shall use adequate means to assure the Work is completed in accordance with the specified requirements, meets the owner's specific application requirements and is ready for functionality and integrity testing.

3.04 TESTING – VIDEO MONITORING

A. Testing Procedures

- 1. Prior to system "turn-up", Contractor shall submit a written request to Designer indicating they have completed full and final configuration of the system, and are ready to have system integrity and functionality tested.
- 2. Within reasonable time after receipt of request, Designer will provide a test schedule and coordinate testing date(s) with Owner and Contractor.
- 3. Should Designer determine the Work is not acceptably configured or not of adequate integrity:
 - a. Designer promptly will so notify Contractor, giving reasons therefore and providing sufficient details to allow Contractor to make corrective actions.

- b. Contractor shall then expeditiously remedy the deficiencies and notify Designer in writing when ready for re-testing.
 - c. Designer will schedule re-test of the Work.
 - d. Excessive re-testing of Work may result in fees being assessed Contractor.
4. Should Designer and Owner concur the Work is configured properly and system integrity is as required:
- a. Designer will review Contractors detailed “turn-up” plan, and upon finding it acceptable issue a memorandum of Testing Completion to Owner and Contractor after which system “turn-up” can proceed.

3.05 DOCUMENTATION – STRUCTURED CABLING

- A. Contractor shall be responsible for providing thorough, timely documentation. Documentation shall include, but not be limited to both printed and electronic copies of:
- 1. CAD as-built drawings of each building.
 - 2. Copper station cable test results.

3.06 DOCUMENTATION – VIDEO MONITORING

- A. Contractor shall, throughout the completion of the project, provide Owner a file storage system that shall include all necessary equipment, including if reasonably required, file drawers, folders, dividers, etcetera, to contain all as-built drawings, Owner manuals of all equipment installed, warranty and maintenance information and other information the Contractor, Designer and/or Owner deem necessary. Documentation shall also be provided in a digital format in file formats and on media as specified by Owner and/or Designer.
- B. Contractor shall be responsible for providing thorough, timely documentation on all hardware, software. Documentation shall include, but not be limited to:
- 1. Equipment description.
 - 2. Equipment make.
 - 3. Model number.
 - 4. Serial Number
 - 5. MAC Address

6. Asset Tag Number
7. Software release.
8. Date installed.
9. Manufacturer's warranty.
10. Maintenance contract terms.
11. Verification of maintenance contract engagement.
12. Telephone numbers for service and support.
13. Detailed technical support and service procedure instructions.
14. All product (hardware and software) manuals and manufacturer supplied documentation, including, but not limited to owner manuals, system administrator manuals and configuration guides. Where number of duplicate copies for particular manual or documentation item could be reasonably considered excessive, Contractor shall request direction from Owner and Designer.
15. Photocopy of original invoice listing make and model for all components and equipment from individual manufacturer(s), distribution source(s), or authorized agent(s) to establish manufacturer warranty start date for potential use after end of contract warranty provisions.
16. CAD as built drawings for each building.
17. System Configuration Report.
18. Complete inventory of installed hardware and system software.

3.07 TRAINING

- A. Training shall be conducted at the Owner's discretion and at times and places convenient to Owner personnel. Prior to any training being conducted, Contractor shall provide Owner and Designer with detailed training syllabus and schedule for proposed training event. Compliant syllabus and schedule shall be provided at least ninety-six 96 hours in advance. Owner reserves the right to postpone training if syllabus and/or schedule submitted are deemed inadequate. Training shall not be conducted until such time a syllabus and schedule submitted by Contractor are found to be acceptable to Owner.

3.08 SCHEDULE, MEETINGS AND PLANS

- A. Schedule

1. Post bid Interviews: Week of September 9th, 2024
 2. Contractor Chosen: Week of September 16th, 2024
 3. Work Commences: October 1, 2024
 4. Substantial Completion of Project: March 1, 2025
 5. Project Close-out: March 15, 2025
- B. Planned sequence of operations shall be established by the Contractor within the guidelines established by the Owner, as required herein and as required to meet schedules.
- C. Project progress meetings shall be held, but not limited to, weekly at a site and time identified as convenient for Owner and as required herein. Meetings will be attended as required herein.

END OF SECTION

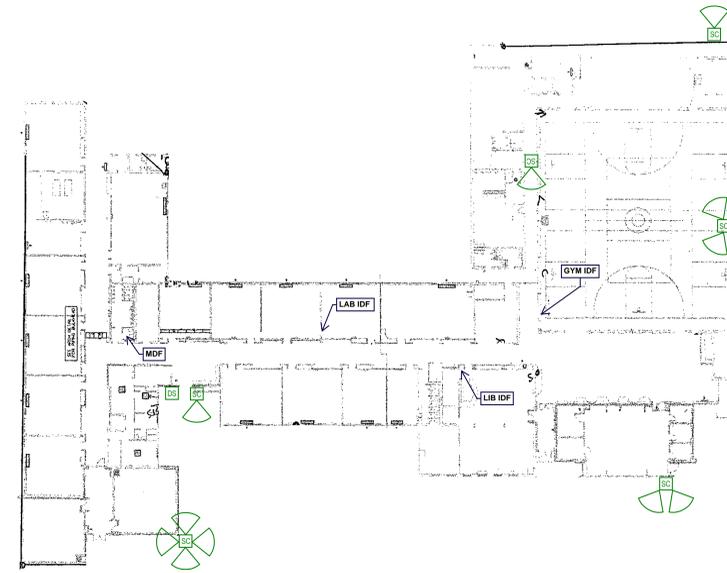
Appendix A - Sites of Work

District	School Name	Address
Athens Area Schools District	Athens Senior High School	300 E. Holcomb St. Athens, MI 49011
Athens Area Schools District	Athens Junior High School	300 E. Holcomb St. Athens, MI 49011
Athens Area Schools District	East Leroy Elementary	4320 K Drive S East Leroy, MI 49051
Battle Creek Public Schools	Ann J Kellogg Elementary	306 Champion Street Battle Creeek, MI 49017
Battle Creek Public Schools	Post-Franklin Elementary	20 Newark Avenue Battle Creeek, MI 49017
Battle Creek Public Schools	Dudley STEM	308 West Roosevelt Avenue Battle Creeek, MI 49017
Battle Creek Public Schools	Valley View Elementary	960 Avenue A Battle Creek, MI 49017
Battle Creek Public Schools	Fremont Elementary	115 East Emmett Street Battle Creeek, MI 49017
Battle Creek Public Schools	Verona Elementary	825 Capital Avenue NE Battle Creeek, MI 49017
Battle Creek Public Schools	La Mora Park Elementary	65 North Woodlawn Avenue Battle Creeek, MI 49017
Battle Creek Public Schools	Northwestern Middle School	176 Limit Street Battle Creeek, MI 49017
Battle Creek Public Schools	Springfield Middle School	1023 Avenue A Battle Creeek, MI 49017
Battle Creek Public Schools	BC STEM Innovation Center	100 West Van Buren Street Battle Creeek, MI 49017
Battle Creek Public Schools	Battle Creek Central High School	100 West Van Buren Street Battle Creeek, MI 49017
Battle Creek Public Schools	WK Kellogg Prep	60 West Van Buren Street Battle Creeek, MI 49017
Battle Creek Public Schools	BC Area Math and Science Center	171 West Michigan Avenue Battle Creeek, MI 49017
Harper Creek Community Schools	Harper Creek High School	12677 Beadle Lake Road Battle Creeek, MI 49017
Harper Creek Community Schools	Harper Creek Middle School	7290 B Drive North Battle Creek, MI 49014
Harper Creek Community Schools	Beadle Lake Elementary	8175 C North Drive Battle Creek, MI 49014
Harper Creek Community Schools	Sonoma Elementary	4640 B Drive South Battle Creek, MI 49015
Harper Creek Community Schools	Wattles Park Elementary	132 South Wattles Road Battle Creek, MI 49014
Homer Community Schools	Homer High School	403 South Hillsdale Street Homer, MI 49245
Homer Community Schools	Homer Middle School	403 South Hillsdale Street Homer, MI 49245
Homer Community Schools	Lillian Fletcher Elementary	403 South Hillsdale Street Homer, MI 49245
Lakeview Community Schools	Lakeview High School	15060 South Helmer Road Battle Creek, MI 49015
Lakeview Community Schools	Lakeview Middle School	300 South 28th Street Battle Creek, MI 49015
Lakeview Community Schools	Minges Brook Elementary	435 Lincoln Hill Drive Battle Creek, MI 49015
Lakeview Community Schools	Prairieville Elementary	1675 Iroquois Ave Battle Creek, MI 49015
Lakeview Community Schools	Riverside Elementary	650 Riverside Drive Battle Creek, MI 49015

Lakeview Community Schools	Westlake Elementary	1184 South 24th Street Battle Creek, MI 49015
Mar Lee School District	Mar Lee School District	21236 H Drive North Marshall, MI 49068
Marshall Public Schools	Crowell School	1481 Cooper Street Albion, MI 49224
Marshall Public Schools	Gordon Elementary	400 N. Gordon Street Marshall, MI 49068
Marshall Public Schools	Harrington Elementary	100 S. Clark Street Marshall, MI 49224
Marshall Public Schools	Hughes Elementary	103 W. Hughes Street Marshall, MI 49068
Marshall Public Schools	Marshall Middle School	100 E. Green Street Marshall, MI 49068
Marshall Public Schools	Marshall High School	701 N. Marshall Ave. Marshall, MI 49068
Marshall Public Schools	Marshall Oppurtunity Academy	225 E. Watson Street Marshall, MI 49224
Marshall Public Schools	Shamrock Center	400 N. Gordon Street Marshall, MI 49068
Marshall Public Schools	Walters Elementary	705 N. Marshall Ave. Marshall, MI 49068
Pennfield Schools	Pennfield High School	8299 Pennfield Road Battle Creek, MI 49017
Pennfield Schools	Pennfield Middle School	8587 Pennfield Road Battle Creek, MI 49017
Pennfield Schools	Dunlap Elementary	8465 Pennfield Road Battle Creek, MI 49017
Pennfield Schools	North Penn Elementary	7422 Poorman Road Battle Creek, MI 49017
Pennfield Schools	Purdy Elementary	6510 Purdy Road Battle Creek, MI 49017
Tekonsha Community School	Tekonsha Elementary	327 Catherine Street Tekonsha, MI 49092
Tekonsha Community School	Tekonsha Middle/High School	245 S. Elm Street Tekonsha, MI 49092
Calhoun Community High School	Calhoun Community High School	765 Upton Street Springfield, MI 49037
Marshall Academy	Marshall Academy	18203 Homer Road Marshall, MI 49068
Calhoun Area Career Ceneter	Calhoun Area Career Ceneter	475 E. Roosevelt Ave Battle Creeek, MI 49017
Doris Klaussen Development Center	Doris Klaussen Development Center	408 E. Jameson Ave Battle Creek, MI 49014

Appendix A - Athens Areas Schools Camera Locations

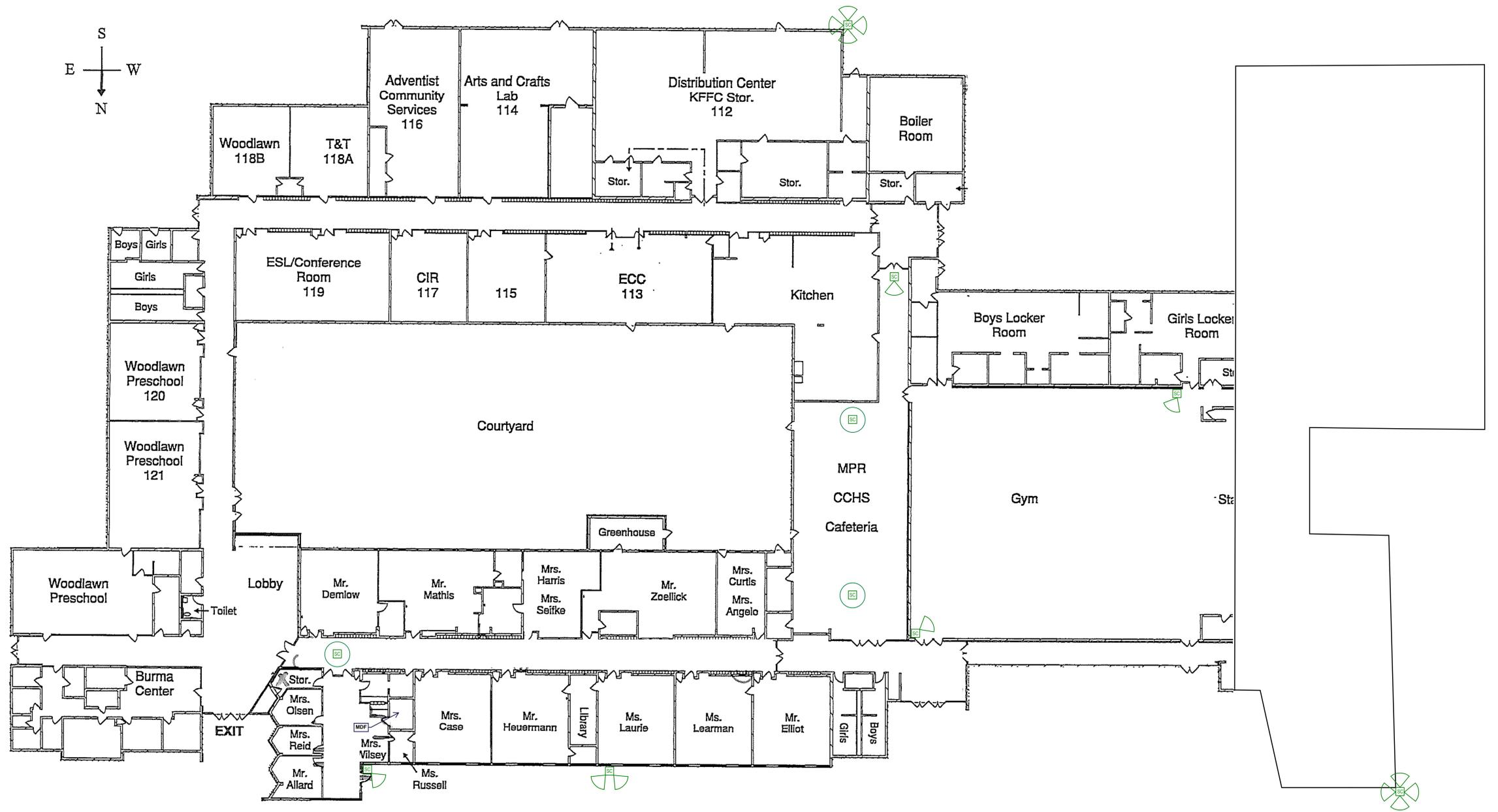
Athens Jr./Sr. High School



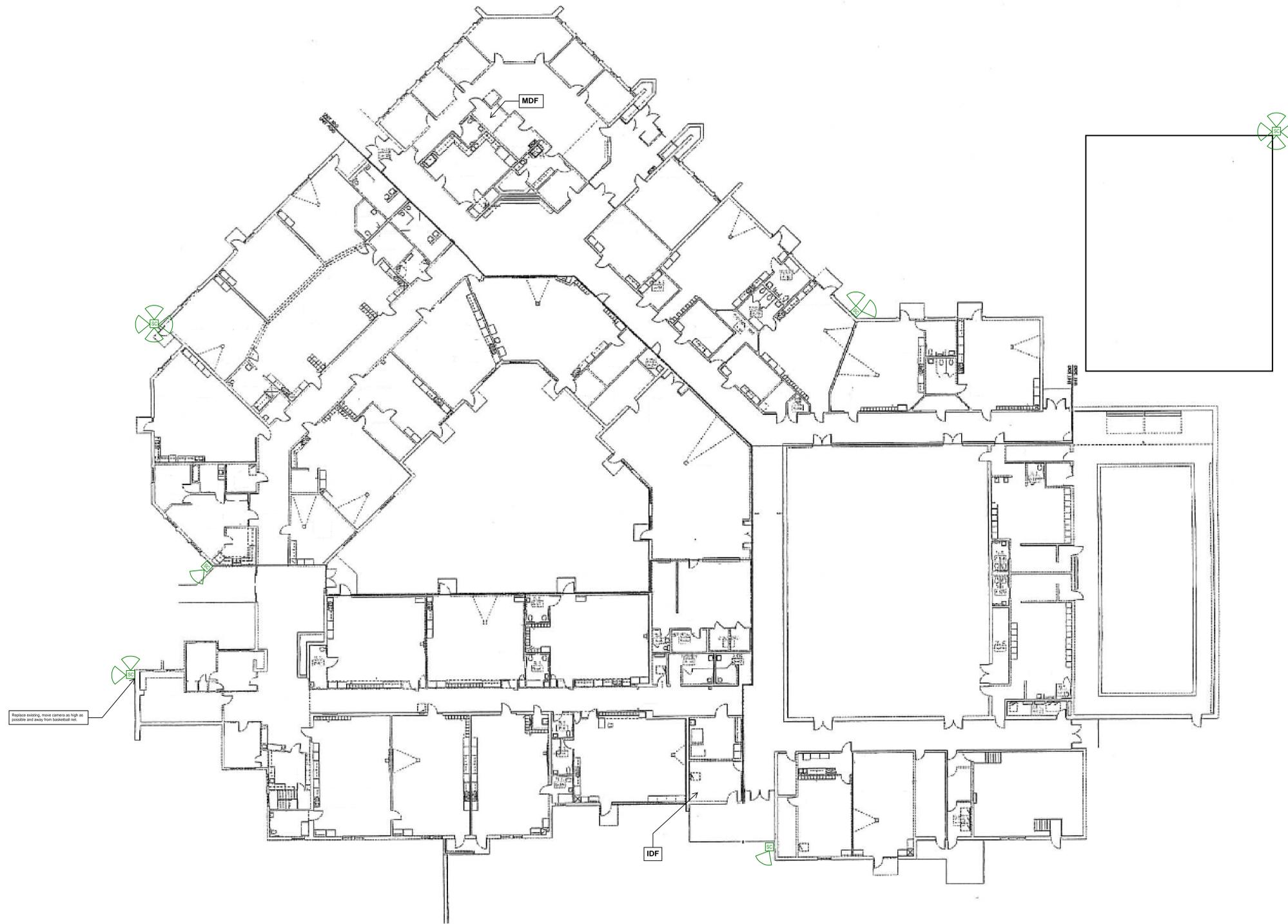
East Leroy Elementary



Appendix A - Calhoun Community High School Camera Locations



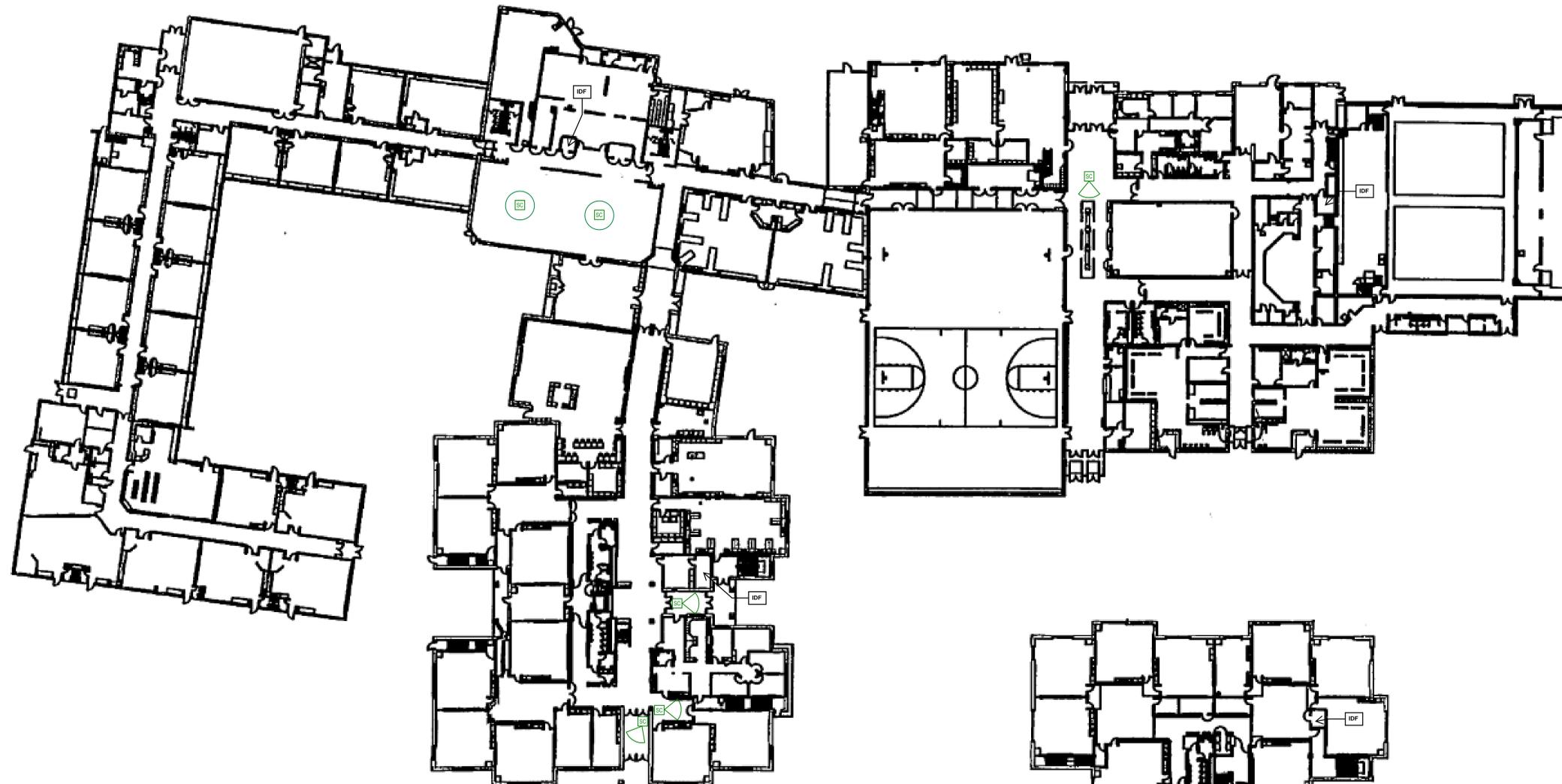
Appendix A - Doris Klaussen Development Center Camera Locations



Appendix A - Harper Creek Camera Locations



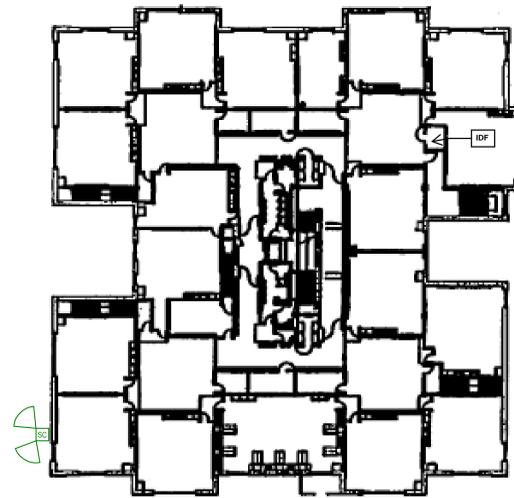
Appendix A - Homer Schools Camera Locations



FIRST FLOOR



NORTH

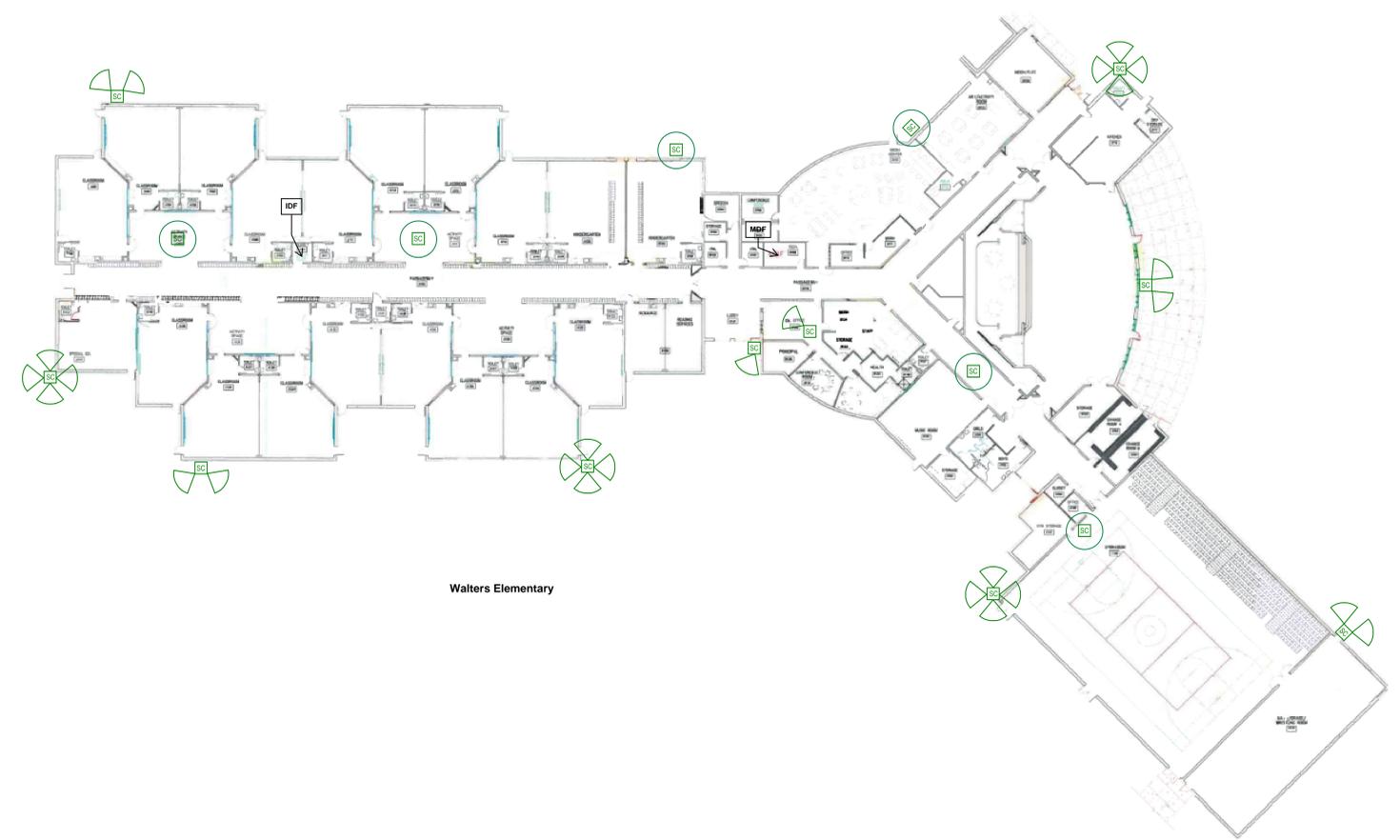


SECOND FLOOR

Appendix A - Marshall Public Schools Camera Locations



Crowell School



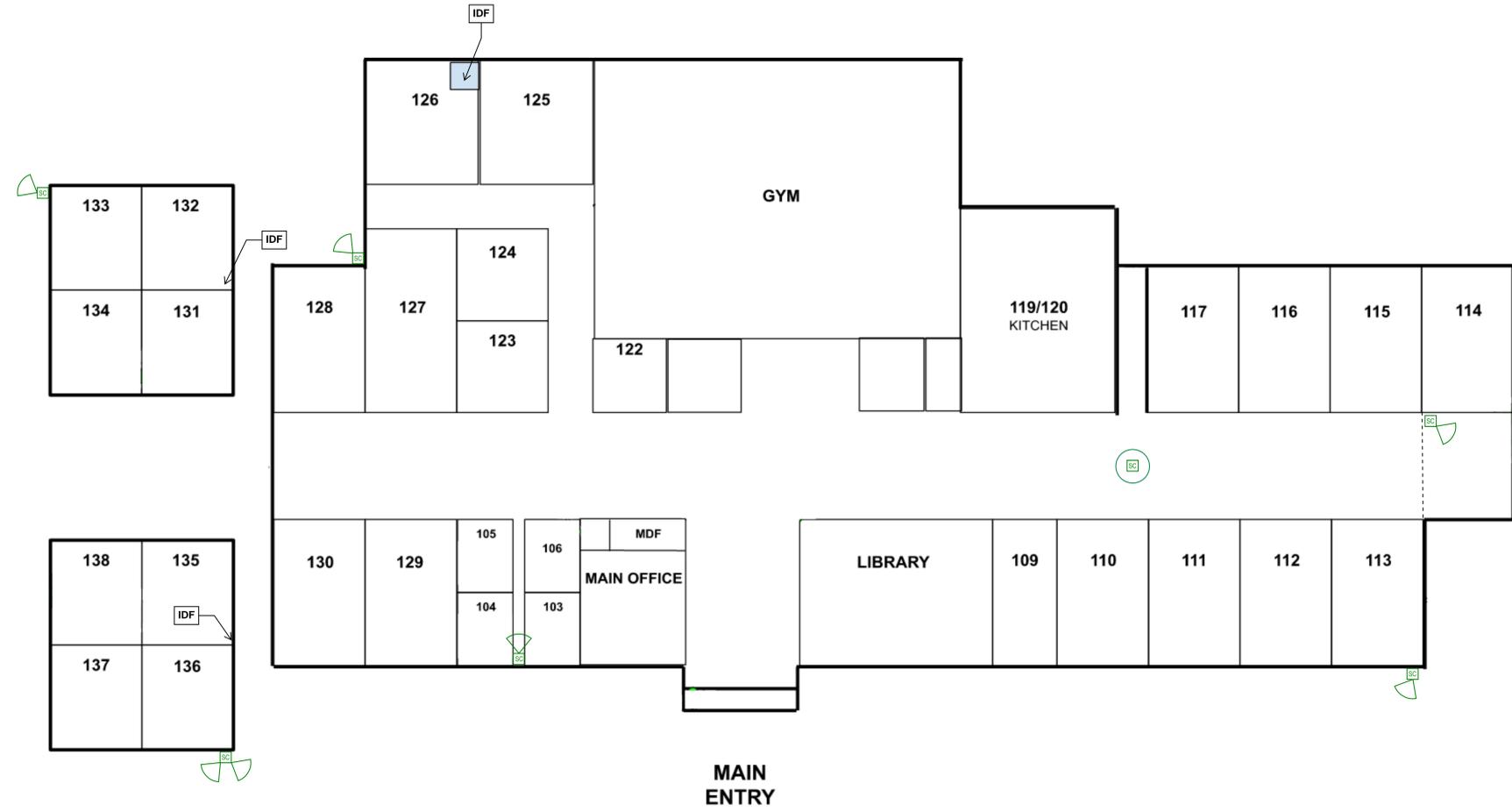
Walters Elementary

Appendix A - Marshall Public Schools Camera Locations



Marshall Opportunity High School

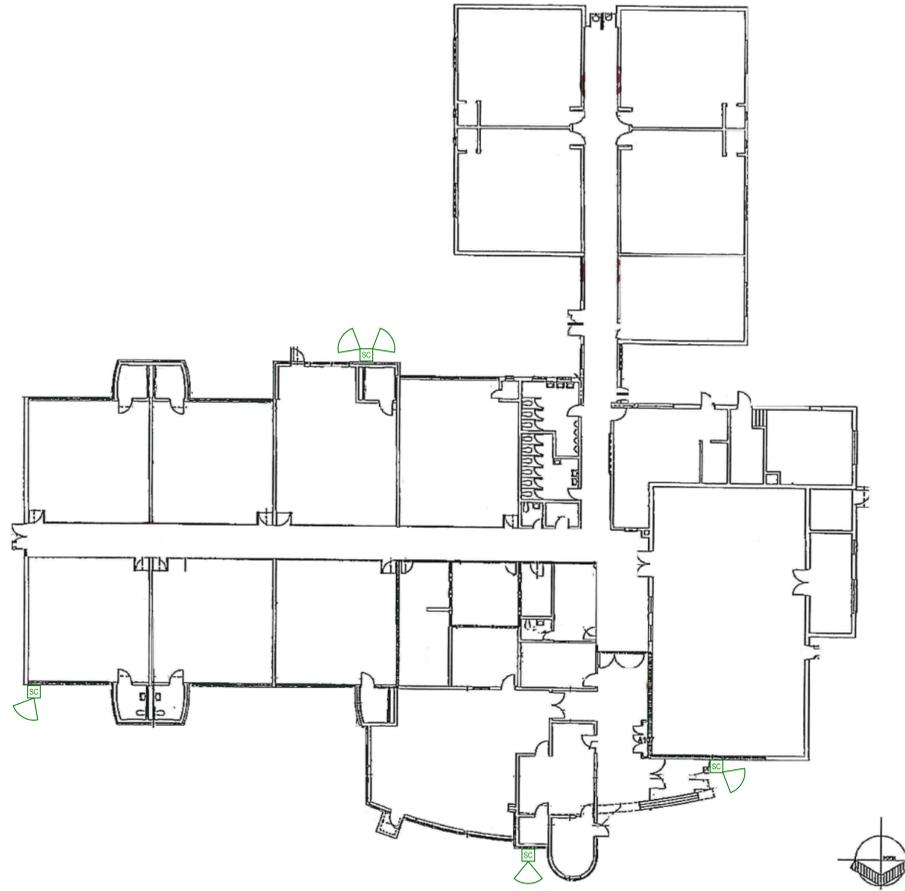
Appendix A - Mar Lee School Camera Locations



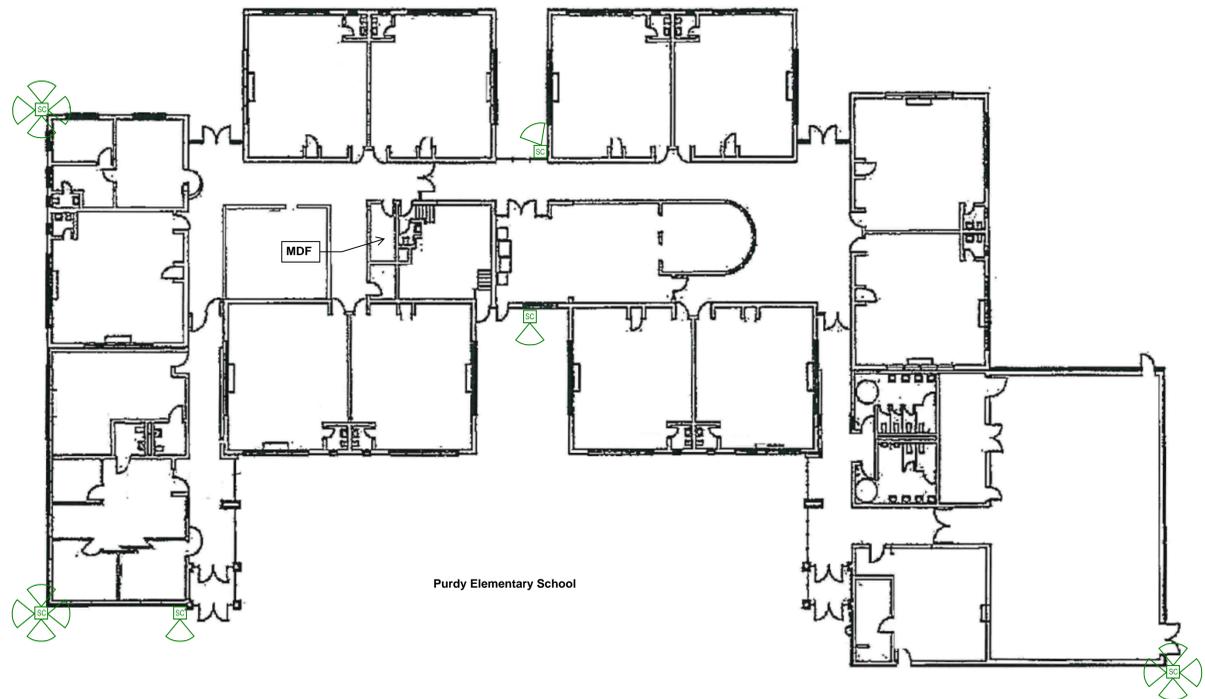
Appendix A - Marshall Academy Camera Locations



Appendix A - Pennfield Camera Locations

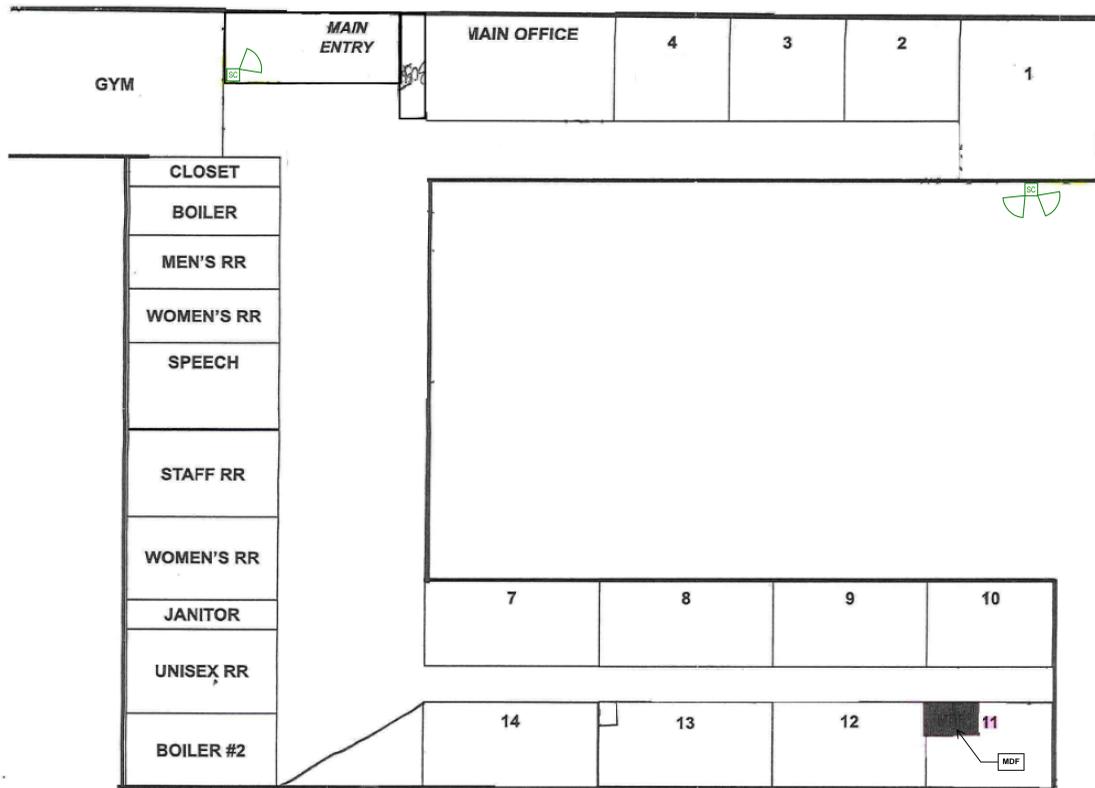


North Penn Elementary School

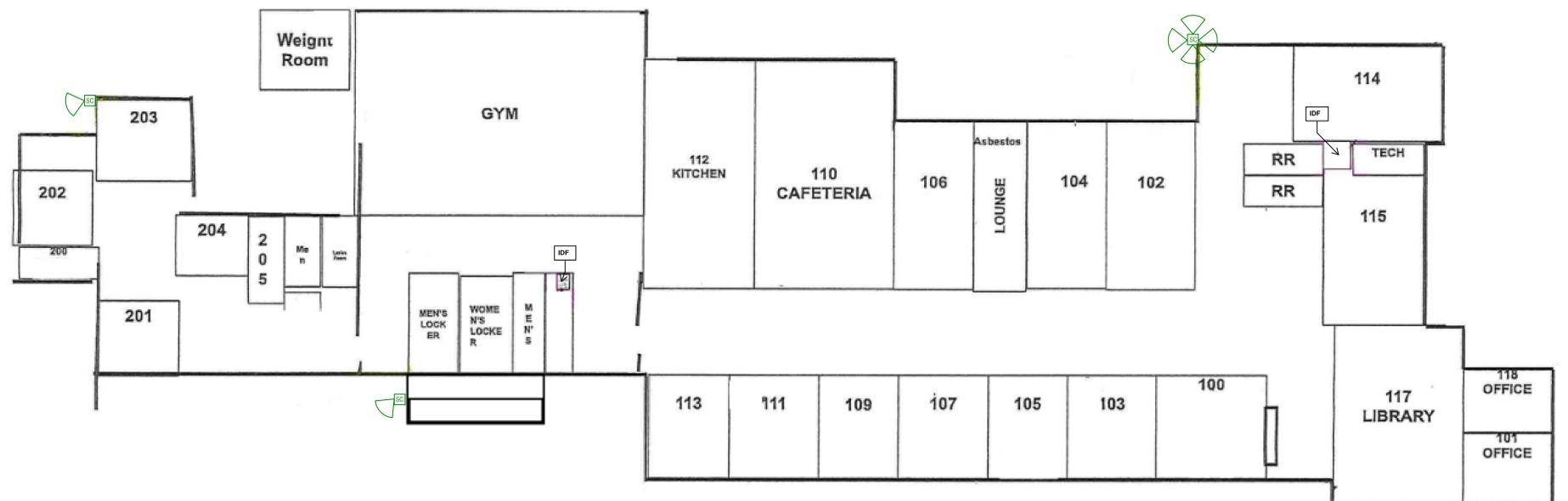


Purdy Elementary School

Appendix A - Tekonsha Camera Locations



Tekonsha Elementary School



Tekonsha Middle/High School

Appendix C - New Camera Schedule

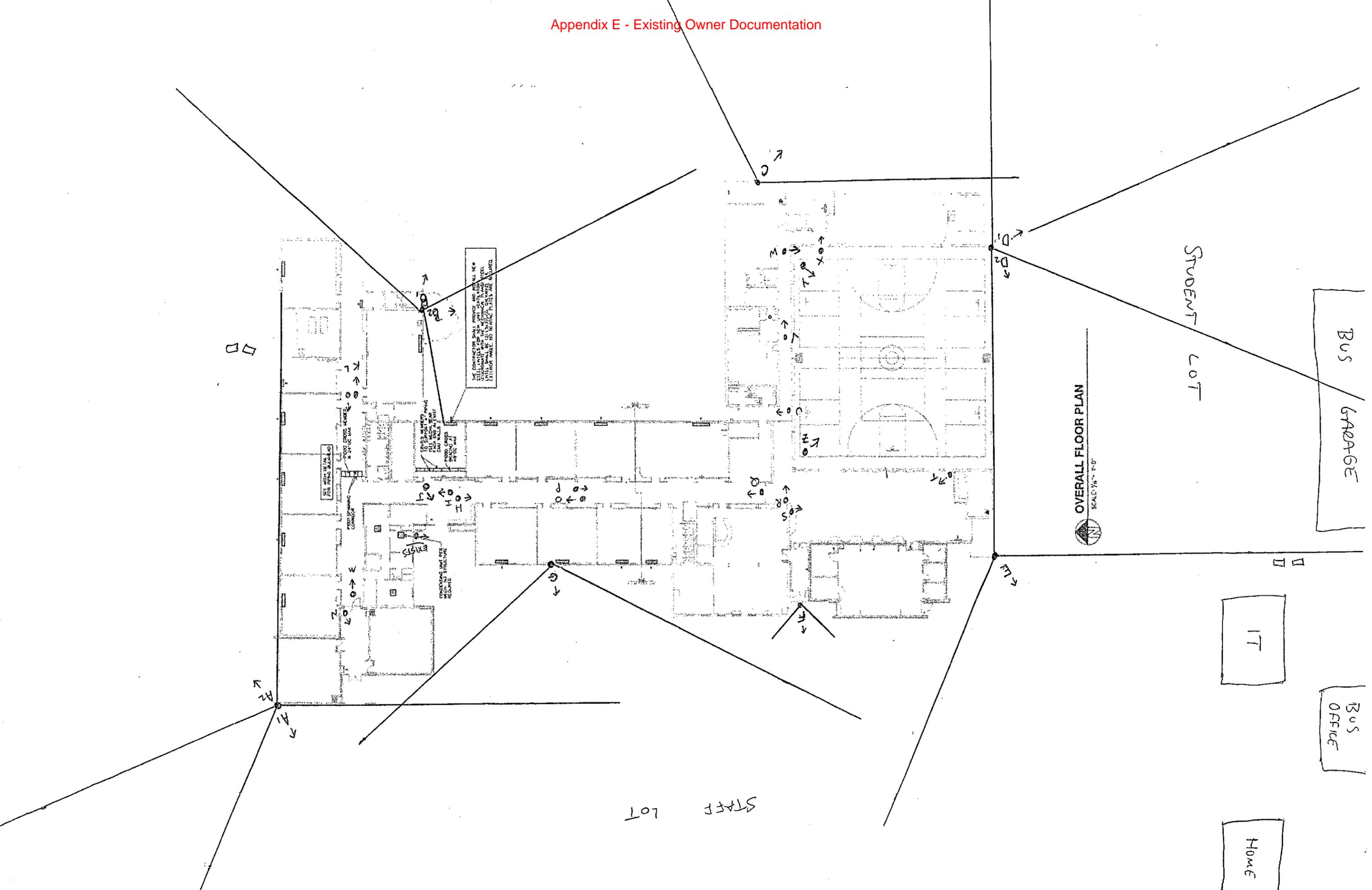
District	School Name	Type A Single	Type B Dual	Type C Quad	Type D Pano	Type E Door Station
Athens Area Schools District	Athens Jr./Sr High School	3	2	1	0	1
Athens Area Schools District	East Leroy Elementary	7	0	2	0	0
Calhoun Community HS	Calhoun Community HS	4	1	2	3	0
Doris Klaussen Dev Center	Doris Klaussen Dev Center	2	2	2	0	0
Harper Creek Community Schools	Sonoma Elementary	7	4	8	0	0
Harper Creek Community Schools	Wattles Park Elementary	9	2	6	0	0
Homer Community Schools	First Floor	4	0	0	2	0
Homer Community Schools	Second Floor	0	1	0	0	0
Mar Lee Schools	Mar Lee Schools	5	1	0	1	0
Marshall Academy	Marshall Academy	3	4	0	0	0
Marshall Public Schools	Crowell School	4	0	1	0	0
Marshall Public Schools	Oppurtunity High School	6	2	1	2	0
Marshall Public Schools	Walters Elementary	2	4	4	6	0
Pennfield Schools	North Penn Elementary	3	1	0	0	0
Pennfield Schools	Purdy Elementary	3	0	3	0	0
Tekonsha Community Schools	Elementary Building	1	1	0	0	0
Tekonsha Community Schools	HS/MS Building	2	0	1	0	0
		65	25	31	14	1

Appendix D - Licensing and Server Device Schedule

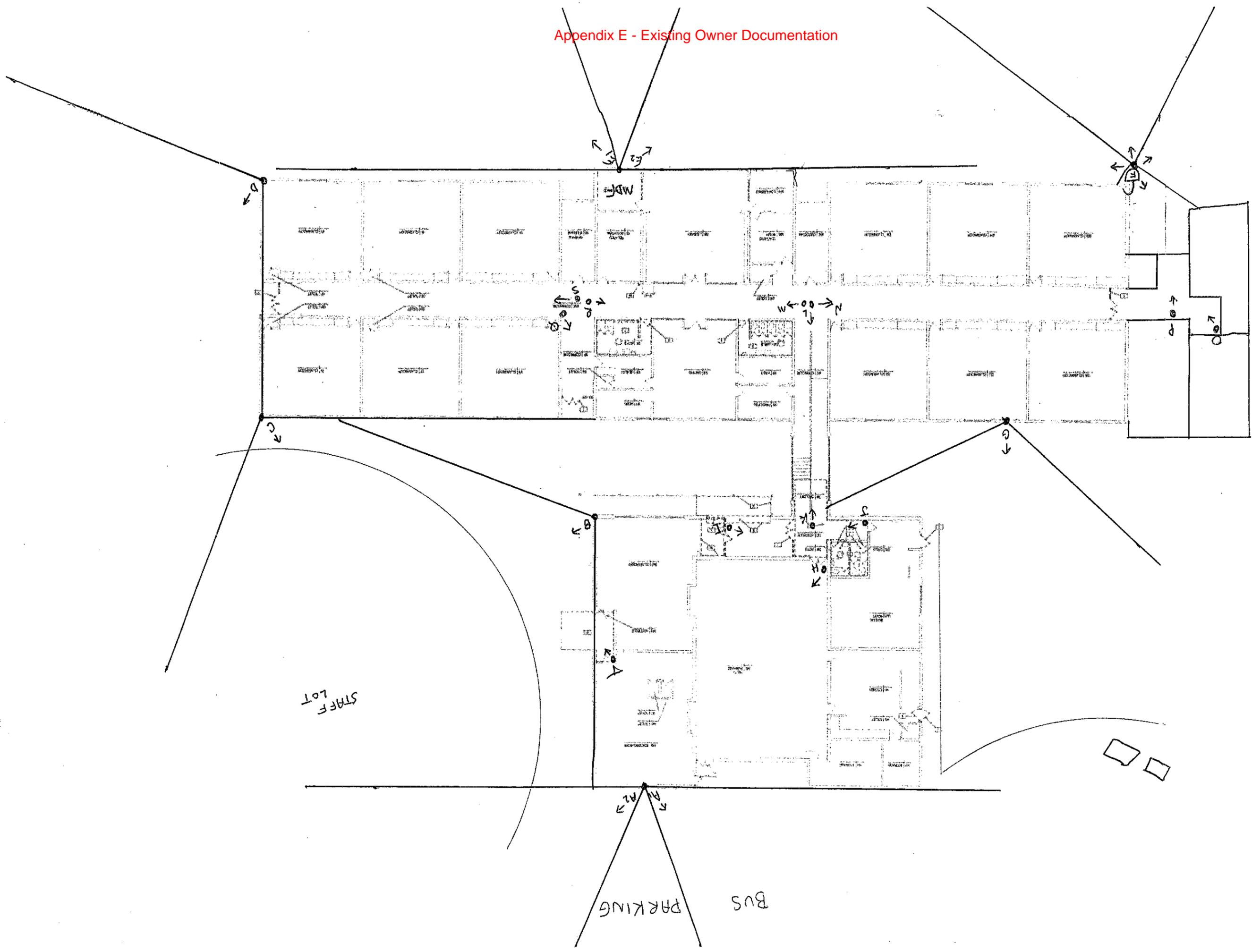
District	School	New Cameras	Motorola EDGE Appliance (Installation Only)	Avigilon Licensing	Digital Watchdog Licensing	Exacqvision Licensing	NVR - Avigilon	NVR - Digital Watchdog
Athens Area Schools District	Athens Junior/Senior High School	7	2		7			1
Athens Area Schools District	East Leroy Elementary	9	2		9			
Battle Creek Public Schools	Ann J Kellogg Elementary	0	0					
Battle Creek Public Schools	Post-Franklin Elementary	0	0					
Battle Creek Public Schools	Dudley STEM	0	0					
Battle Creek Public Schools	Fremont Elementary	0	0					
Battle Creek Public Schools	Verona Elementary	0	0					
Battle Creek Public Schools	La Mora Park Elementary	0	0					
Battle Creek Public Schools	Valley View Elementary	0	2					
Battle Creek Public Schools	Northwestern Middle School	0	2					
Battle Creek Public Schools	Springfield Middle School	0	2					
Battle Creek Public Schools	BC STEM Innovation Center	0	1					
Battle Creek Public Schools	Battle Creek Central High School	0	5					
Battle Creek Public Schools	WK Kellogg Prep	0	2					
Battle Creek Public Schools	BC Area Math and Science Center	0	1					
Harper Creek Community Schools	Harper Creek High School	0	3					
Harper Creek Community Schools	Harper Creek Middle School	0	3					
Harper Creek Community Schools	Beadle Lake Elementary	0	1					
Harper Creek Community Schools	Sonoma Elementary	19	2	19				
Harper Creek Community Schools	Wattles Park Elementary	17	2	17			1	
Homer Community Schools	Homer Elem/Middle/High School	7	3			7		
Lakeview Community Schools	Lakeview High School	0	0					
Lakeview Community Schools	Lakeview Middle School	0	0					
Lakeview Community Schools	Minges Brook Elementary	0	0					
Lakeview Community Schools	Prairieville Elementary	0	0					
Lakeview Community Schools	Riverside Elementary	0	0					
Lakeview Community Schools	Westlake Elementary	0	0					
Mar Lee School District	Mar Lee School District	7	1		7			
Marshall Public Schools	Crowell School	5	1	5				
Marshall Public Schools	Gordon Elementary	0	1					
Marshall Public Schools	Harrington Elementary	0	1					
Marshall Public Schools	Hughes Elementary	0	1					
Marshall Public Schools	Marshall Middle School	0	2					
Marshall Public Schools	Marshall High School	0	3					
Marshall Public Schools	Marshall Opportunity Academy	11	2		11			1
Marshall Public Schools	Shamrock Center	0	0					

Marshall Public Schools	Walters Elementary	16	1	16			1	
Pennfield Schools	Pennfield High School	0	2					
Pennfield Schools	Pennfield Middle School	0	1					
Pennfield Schools	Dunlap Elementary	0	1					
Pennfield Schools	North Penn Elementary	4	1			4		
Pennfield Schools	Purdy Elementary	6	1			6		
Tekonsha Community School	Tekonsha Elementary	2	1		2			
Tekonsha Community School	Tekonsha Middle/High School	3	1		3			
Calhoun Community High School	Calhoun Community High School	10	1		10		1	
Marshall Academy	Marshall Academy	7	1		7		1	
Calhoun Area Career Center/ISD	Calhoun Area Career Center/ISD	0	2					
Doris Klaussen Development Center	Doris Klaussen Development Center	6	1		6			
Total		136	59	57	62	17	4	2

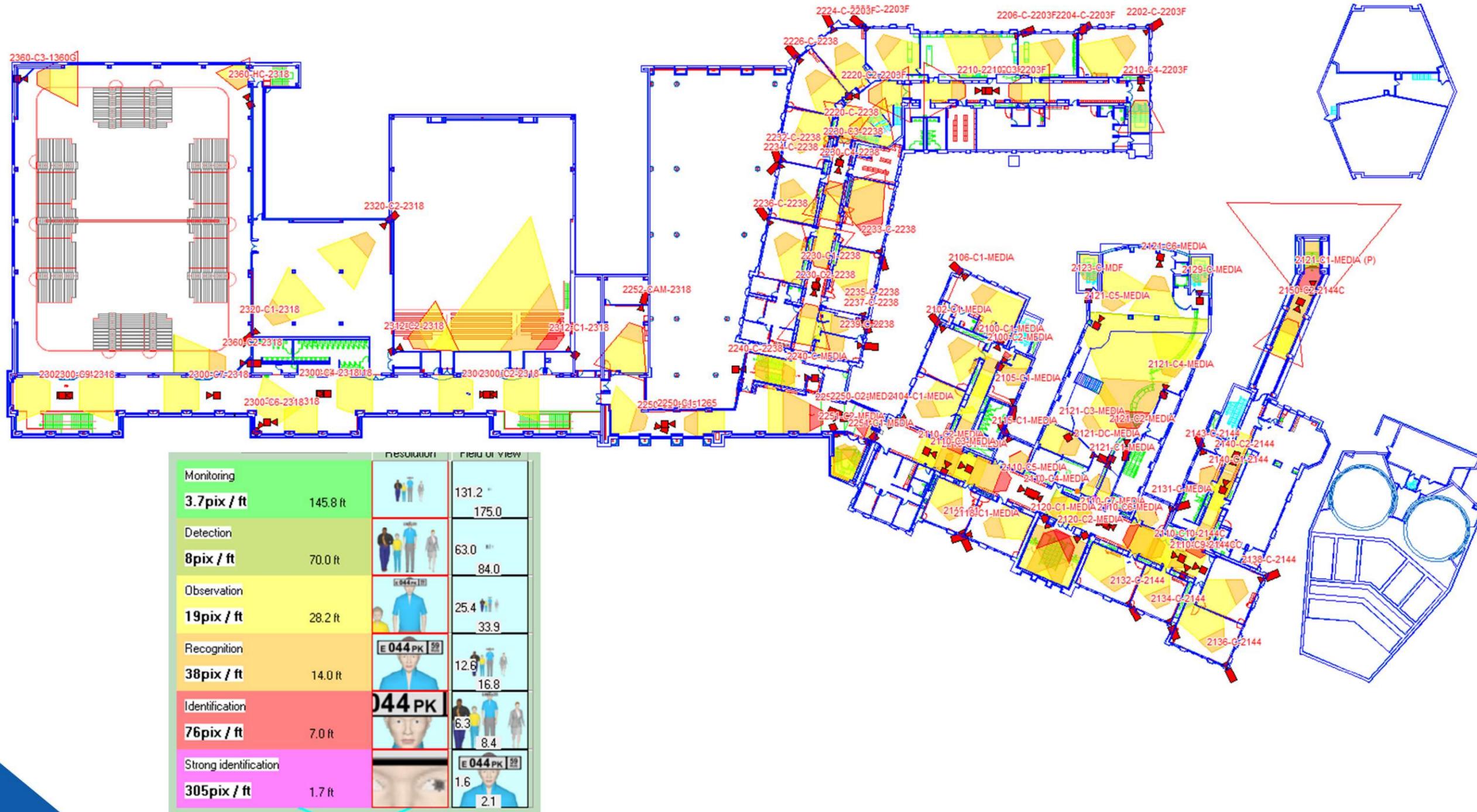
Appendix E - Existing Owner Documentation



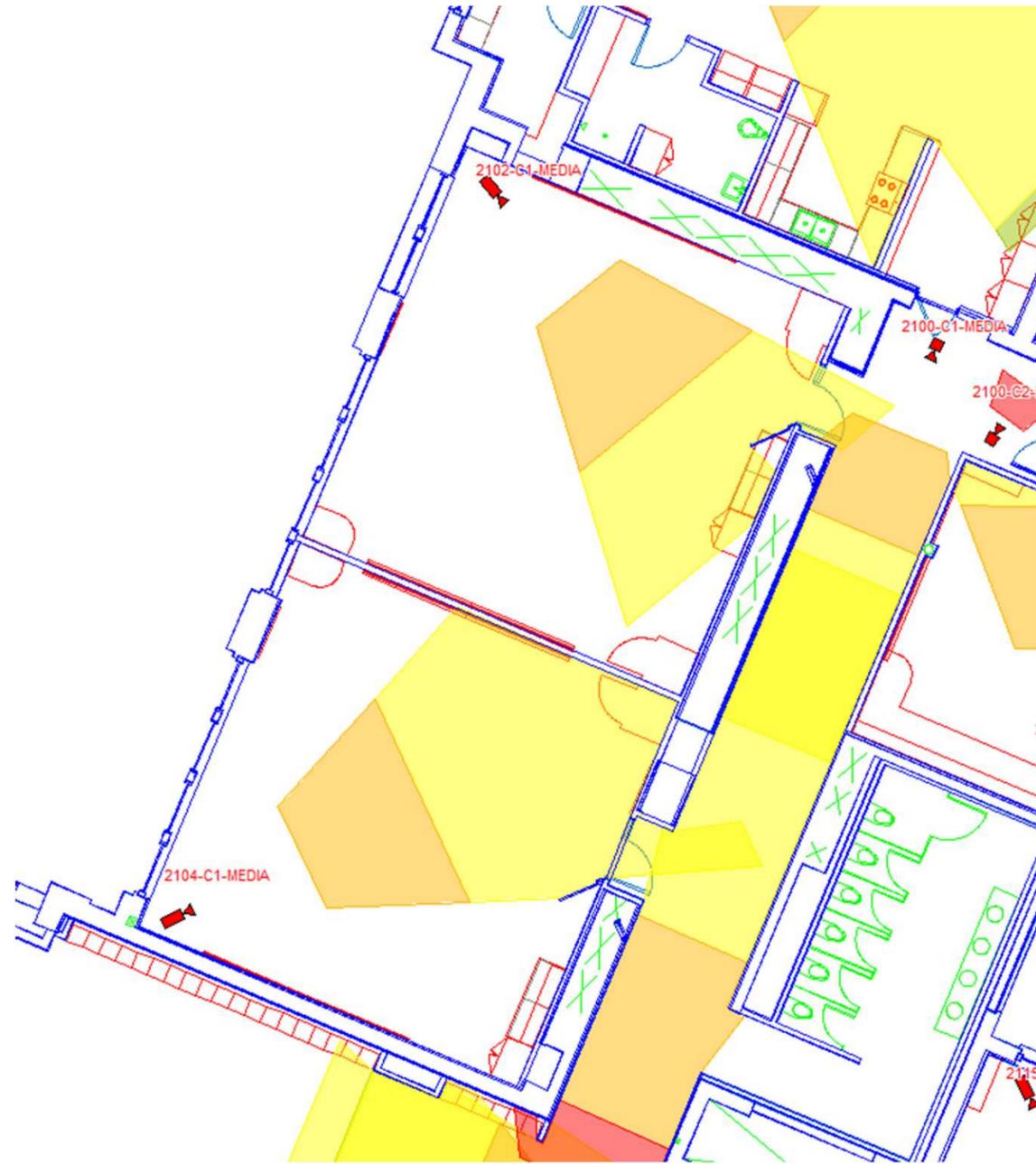
Appendix E - Existing Owner Documentation



Central HS 2nd Floor Existing Cameras



Central HS Current Classroom Layout

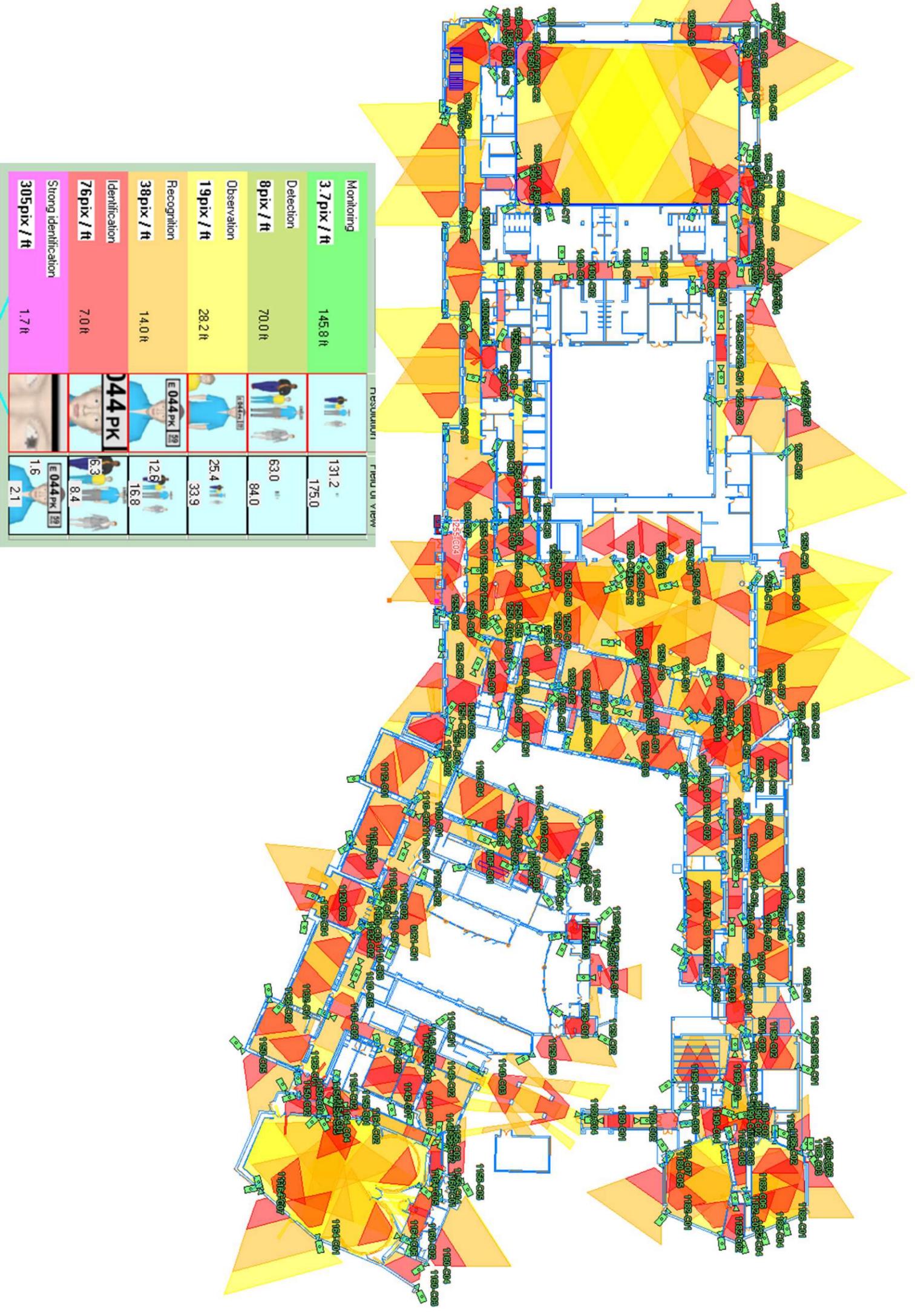


	Resolution	Field of View
Monitoring 3.7pix / ft	145.8 ft	131.2 ° 175.0
Detection 8pix / ft	70.0 ft	63.0 ° 84.0
Observation 19pix / ft	28.2 ft	25.4 ° 33.9
Recognition 38pix / ft	14.0 ft	12.6 ° 16.8
Identification 76pix / ft	7.0 ft	6.3 ° 8.4
Strong identification 305pix / ft	1.7 ft	1.6 ° 2.1



Central HS Interior Layout

1st Floor

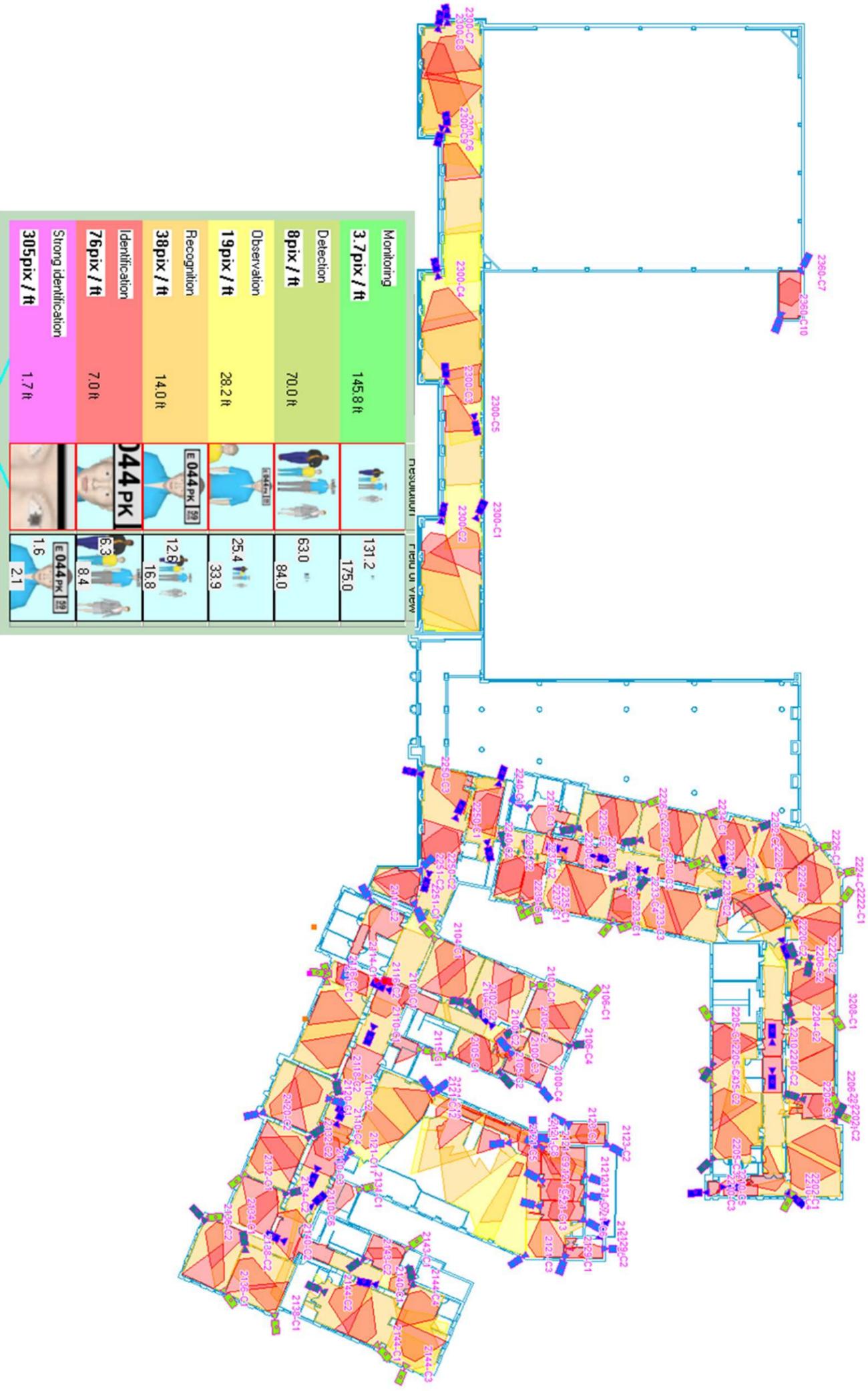


Central HS Interior Layout 2nd Floor

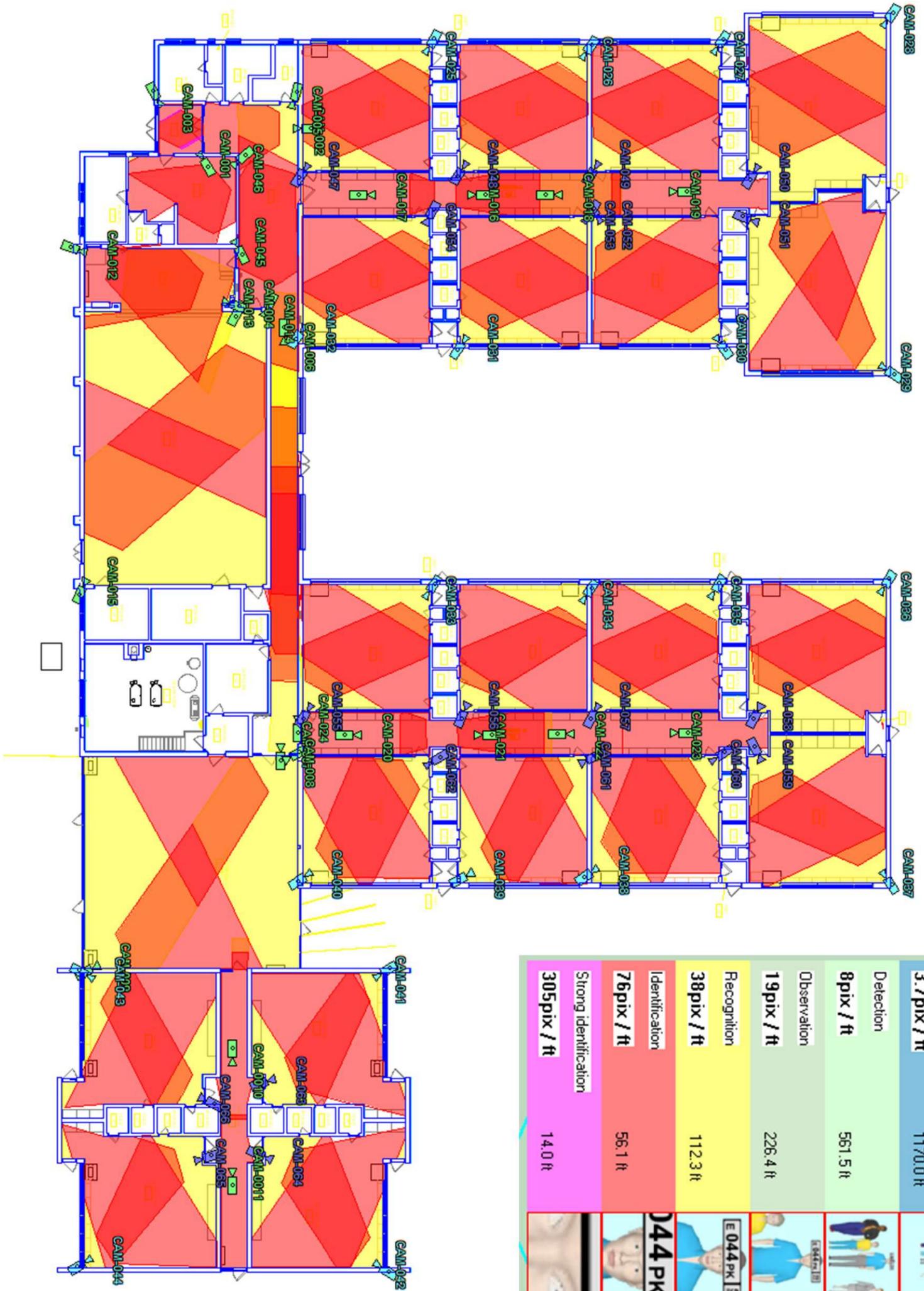


Central HS Interior Layout

3rd Floor

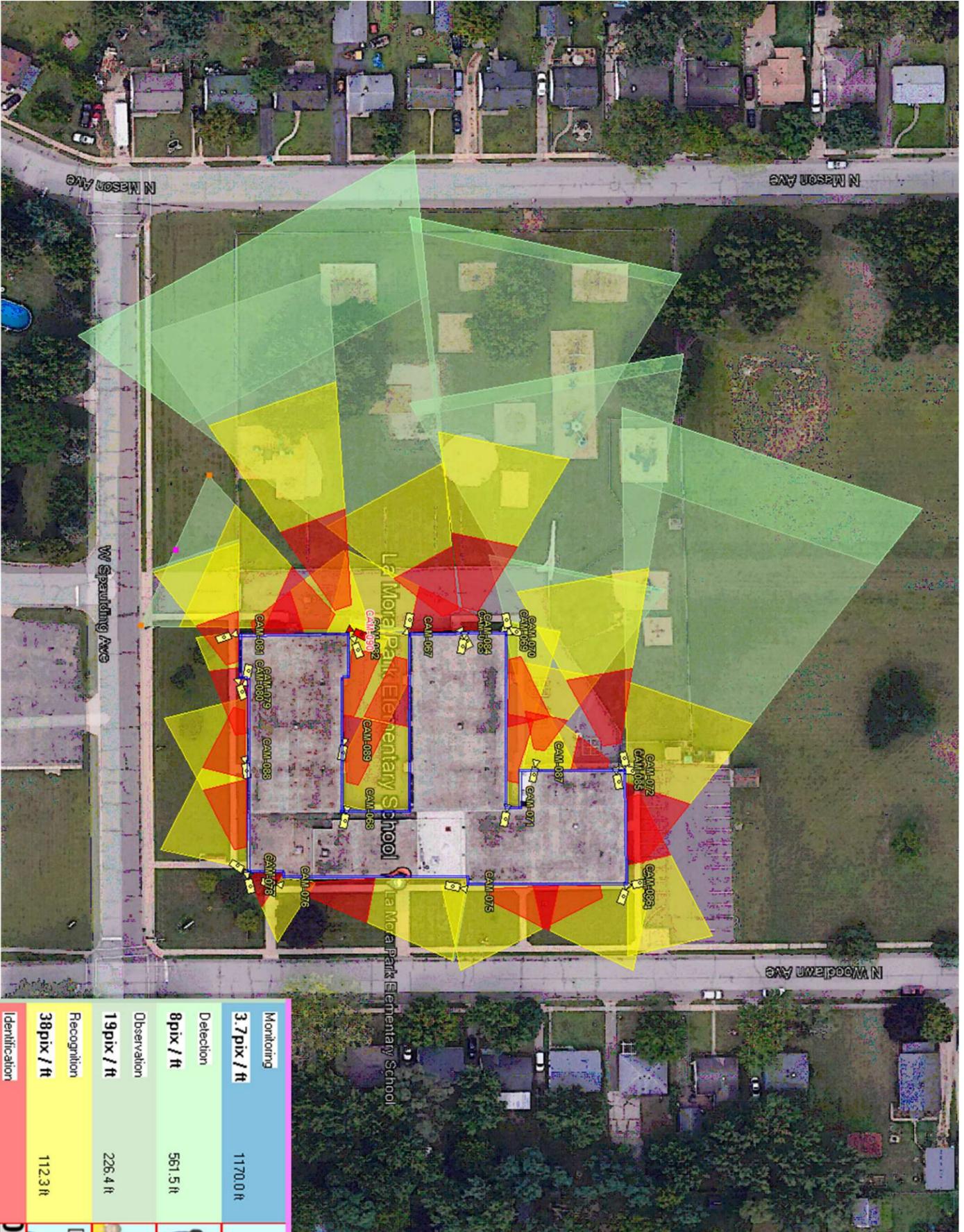


Lamora Interior Layout



Monitoring	3.7pix / ft	1170.0 ft		590.5	1050.0
Detection	8pix / ft	561.5 ft		283.5	503.9
Observation	19pix / ft	226.4 ft		114.3	203.2
Recognition	38pix / ft	112.3 ft		56.7	100.8
Identification	76pix / ft	56.1 ft		28.3	50.4
Strong Identification	305pix / ft	14.0 ft		7.1	12.6

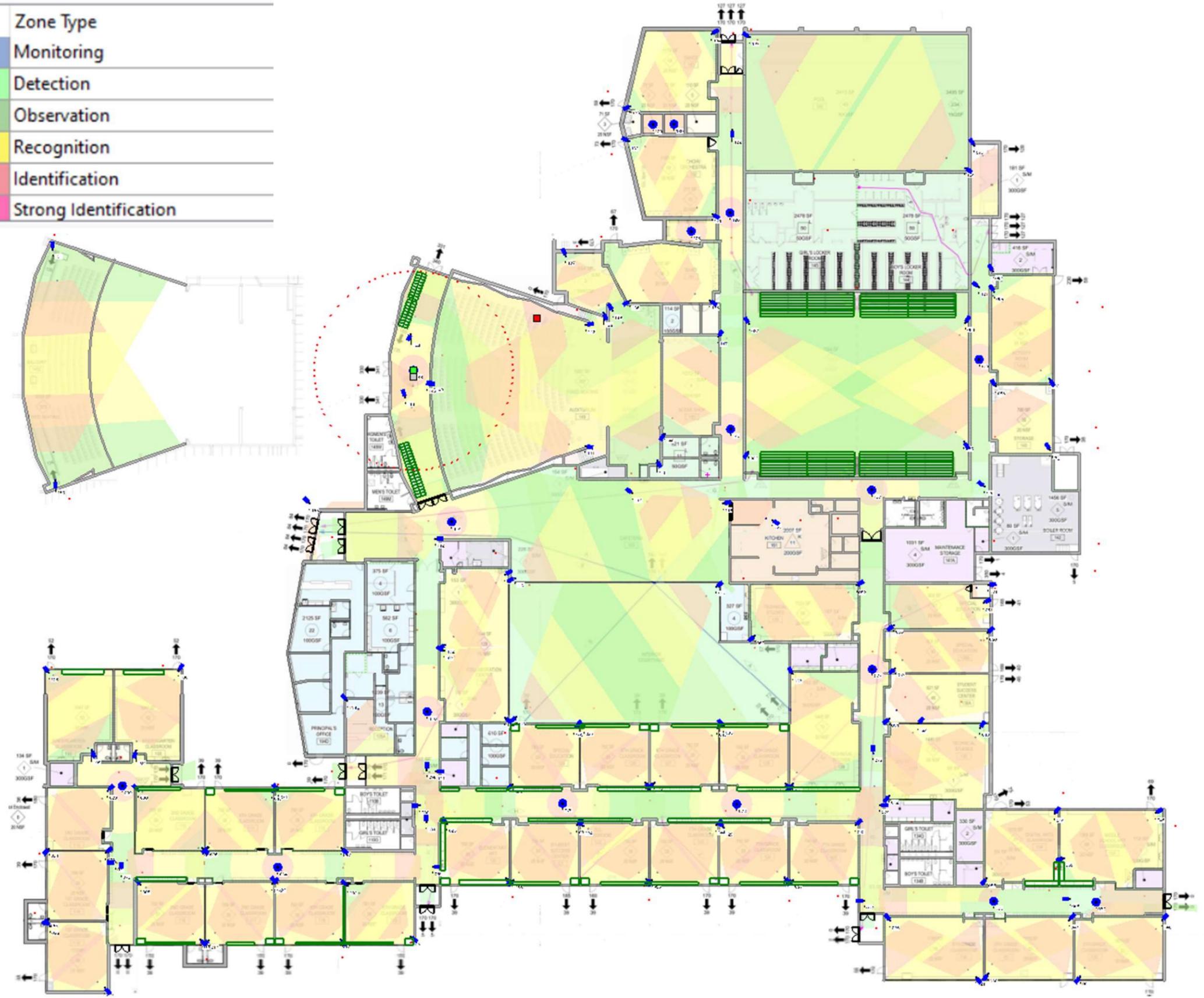
Lamora Exterior Layout



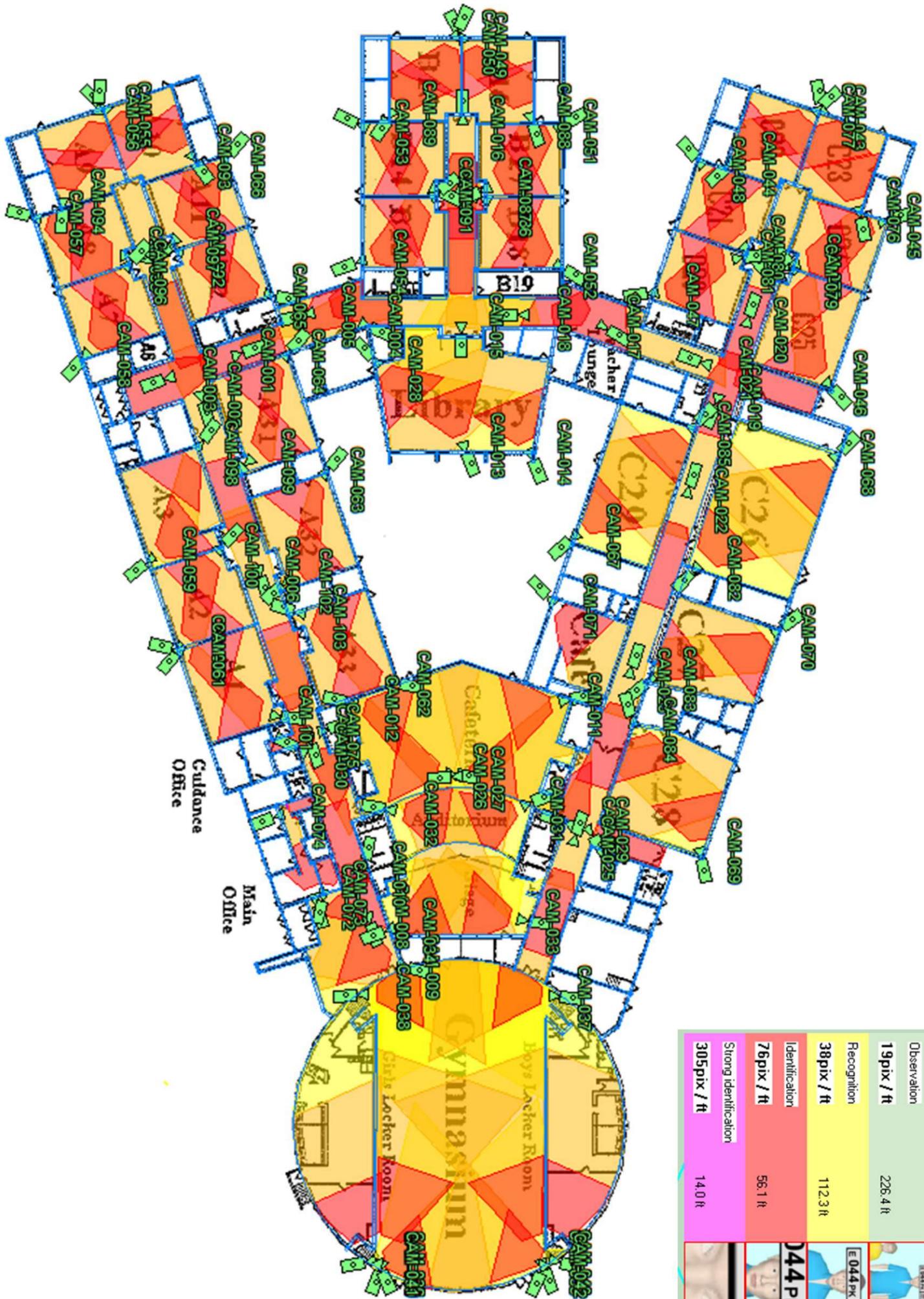
Monitoring	3.7pix / ft	1170.0 ft		590.5	1050.0
Detection	8pix / ft	561.5 ft		283.5	503.9
Observation	19pix / ft	226.4 ft		114.3	203.2
Recognition	38pix / ft	112.3 ft		56.7	100.8
Identification	76pix / ft	56.1 ft		28.3	50.4
Strong identification	305pix / ft	14.0 ft		7.1	12.6

NWMS Interior Layout

Zone Type	
	Monitoring
	Detection
	Observation
	Recognition
	Identification
	Strong Identification

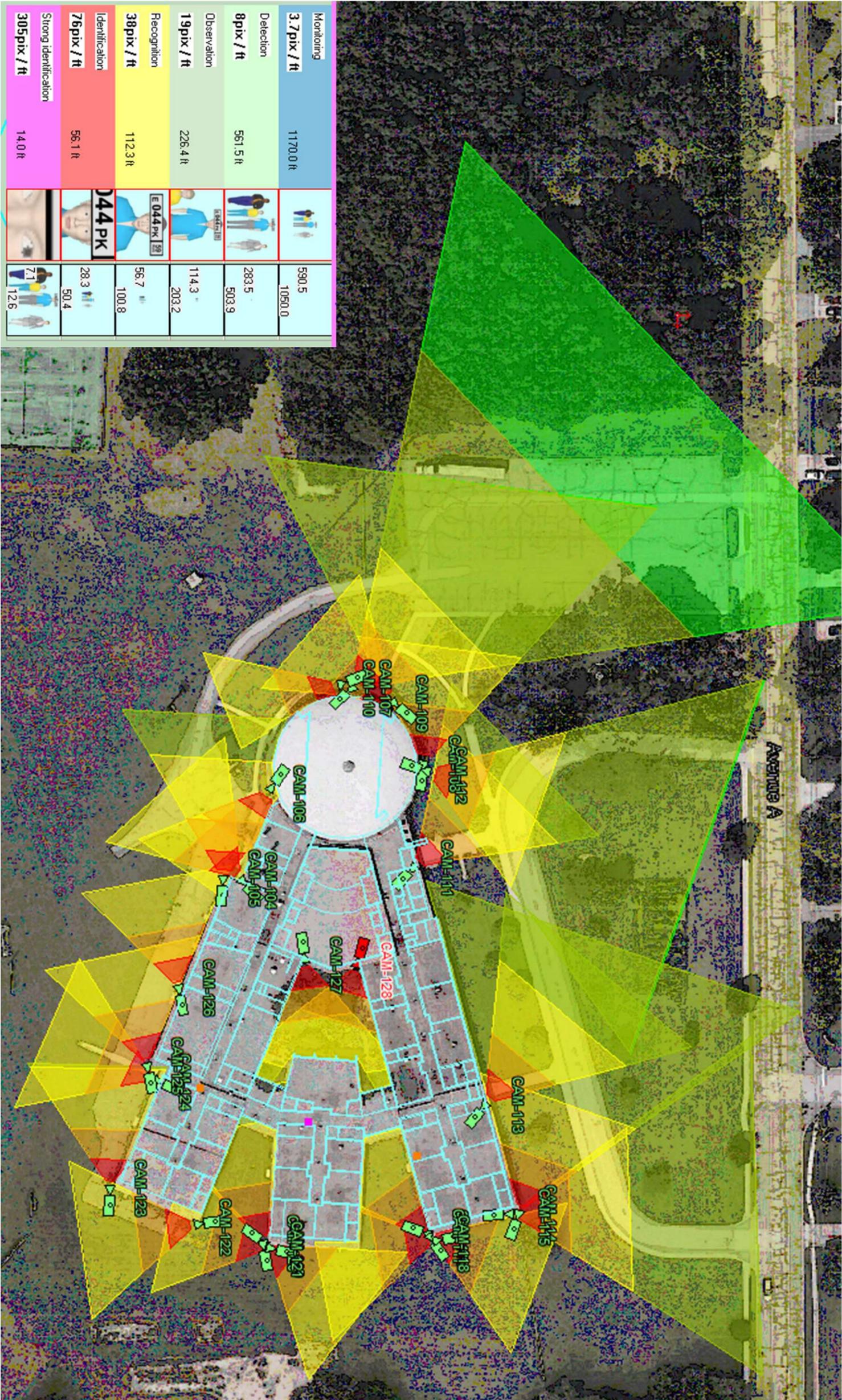


Springfield Interior Layout

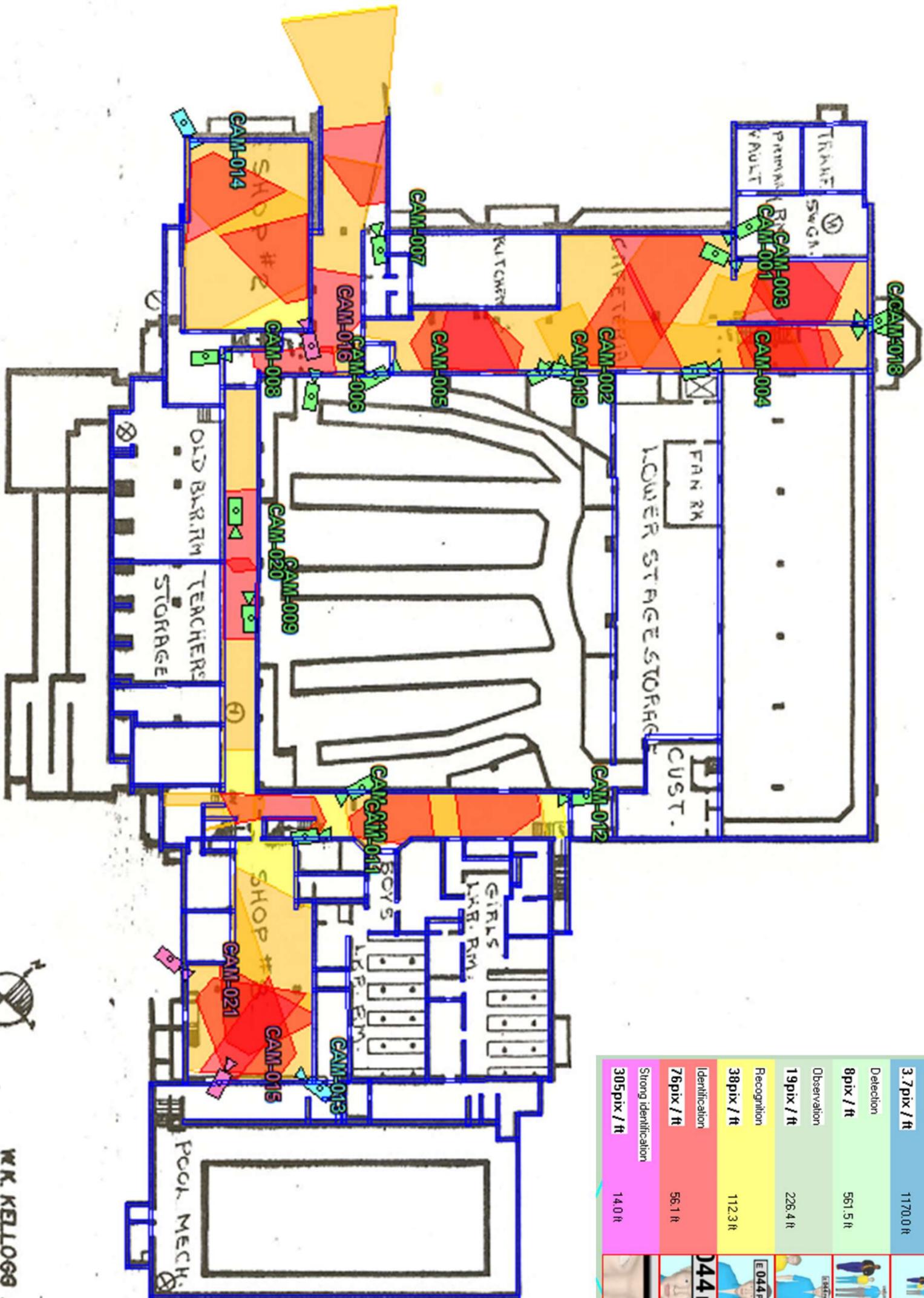


Monitoring	3.7pix / ft	1170.0 ft		590.5
Detection	8pix / ft	561.5 ft		1050.0
Observation	19pix / ft	226.4 ft		283.5
Recognition	38pix / ft	112.3 ft		503.9
Identification	76pix / ft	56.1 ft		114.3
Strong Identification	305pix / ft	14.0 ft		203.2
				56.7
				100.8
				28.3
				50.4
				12.6

Springfield Exterior Layout



WK Kellogg Basement Layout

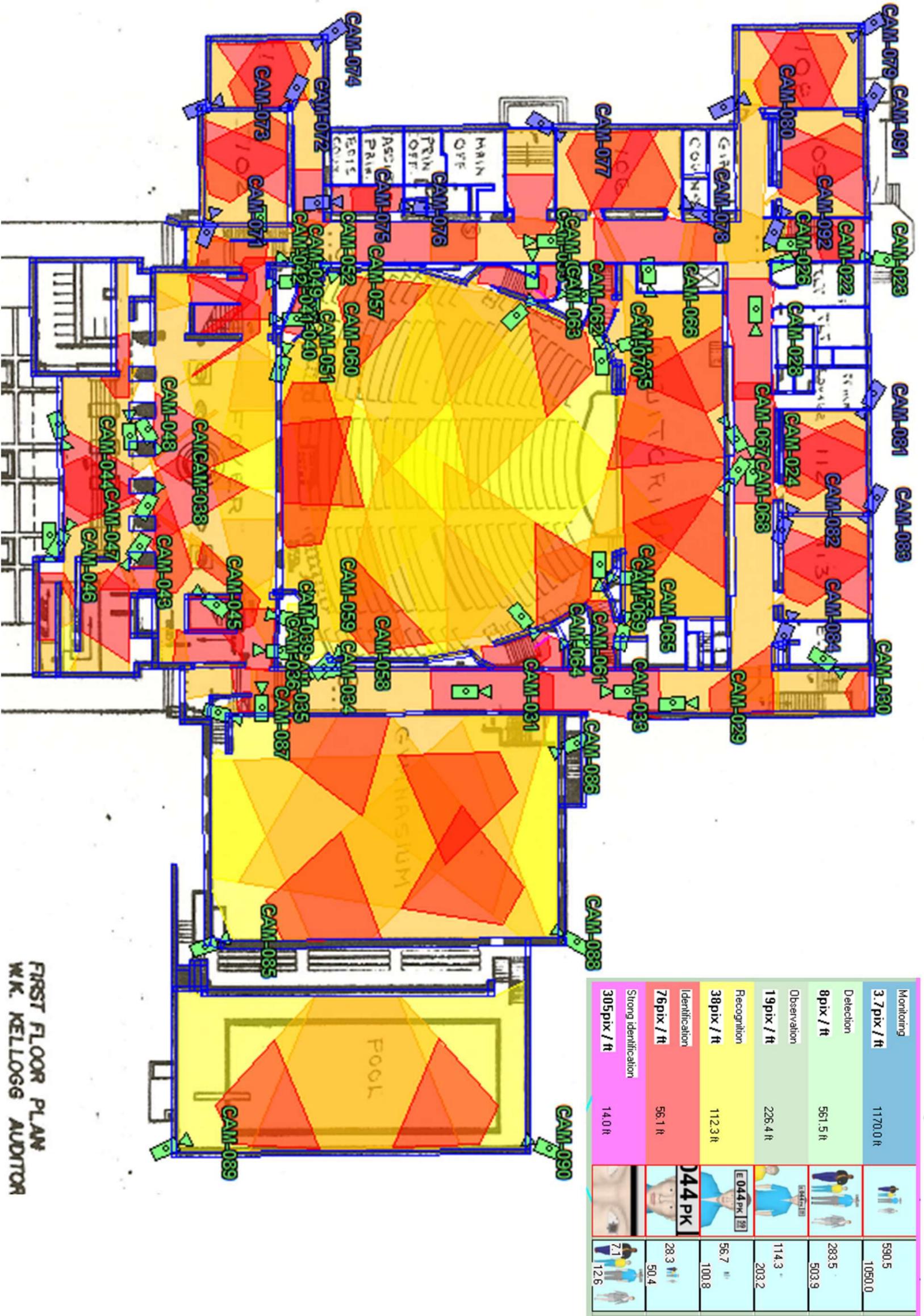


Monitoring 3.7pix / ft	1170.0 ft		590.5 1050.0
Detection 8pix / ft	561.5 ft		283.5 503.9
Observation 19pix / ft	226.4 ft		114.3 203.2
Recognition 38pix / ft	112.3 ft		56.7 100.8
Identification 76pix / ft	56.1 ft		28.3 50.4
Strong Identification 305pix / ft	14.0 ft		7.1 12.6



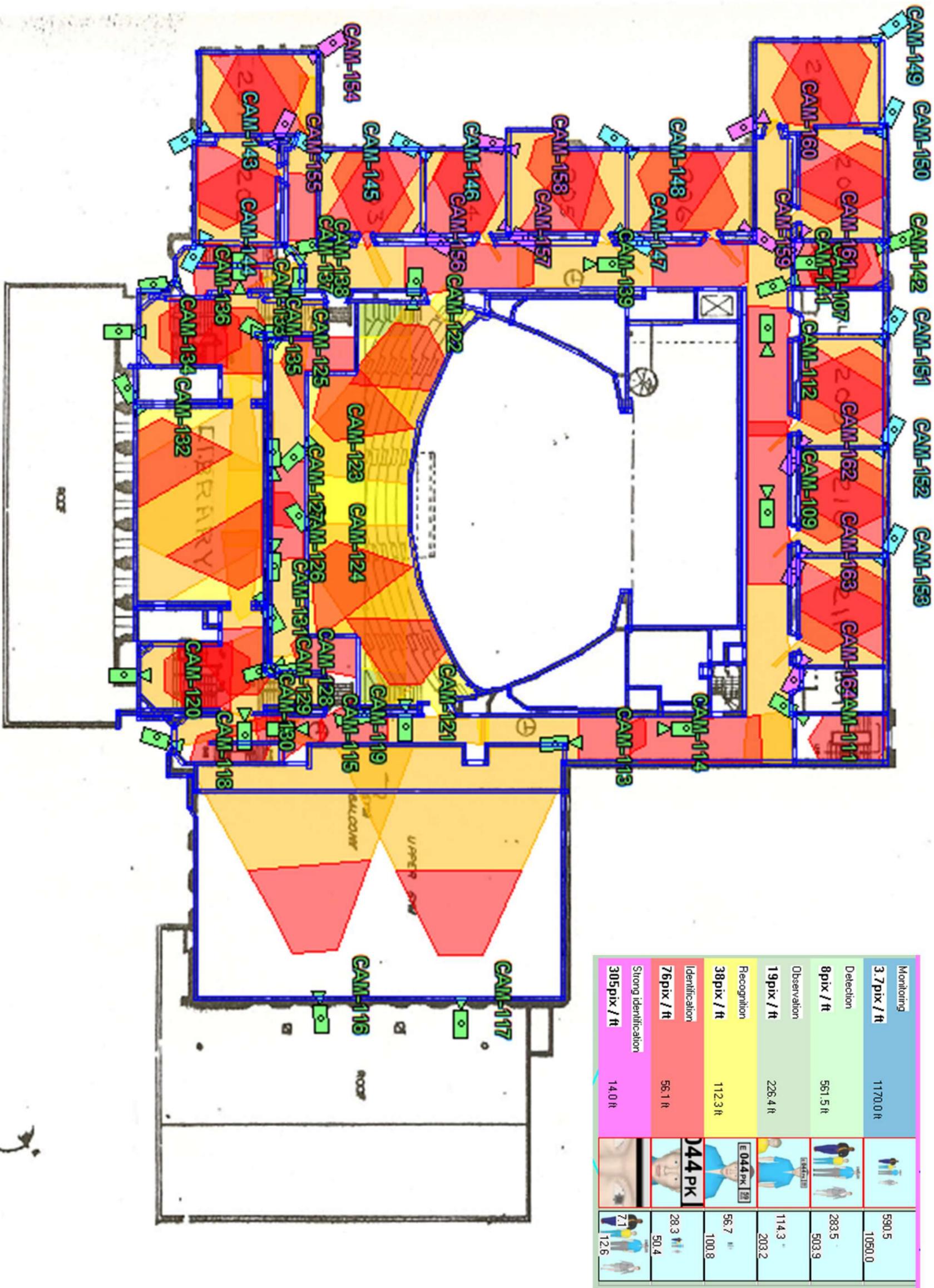
WK KELLOGG AK
PASSENGER PM AI

WK Kellogg 1st Floor Layout

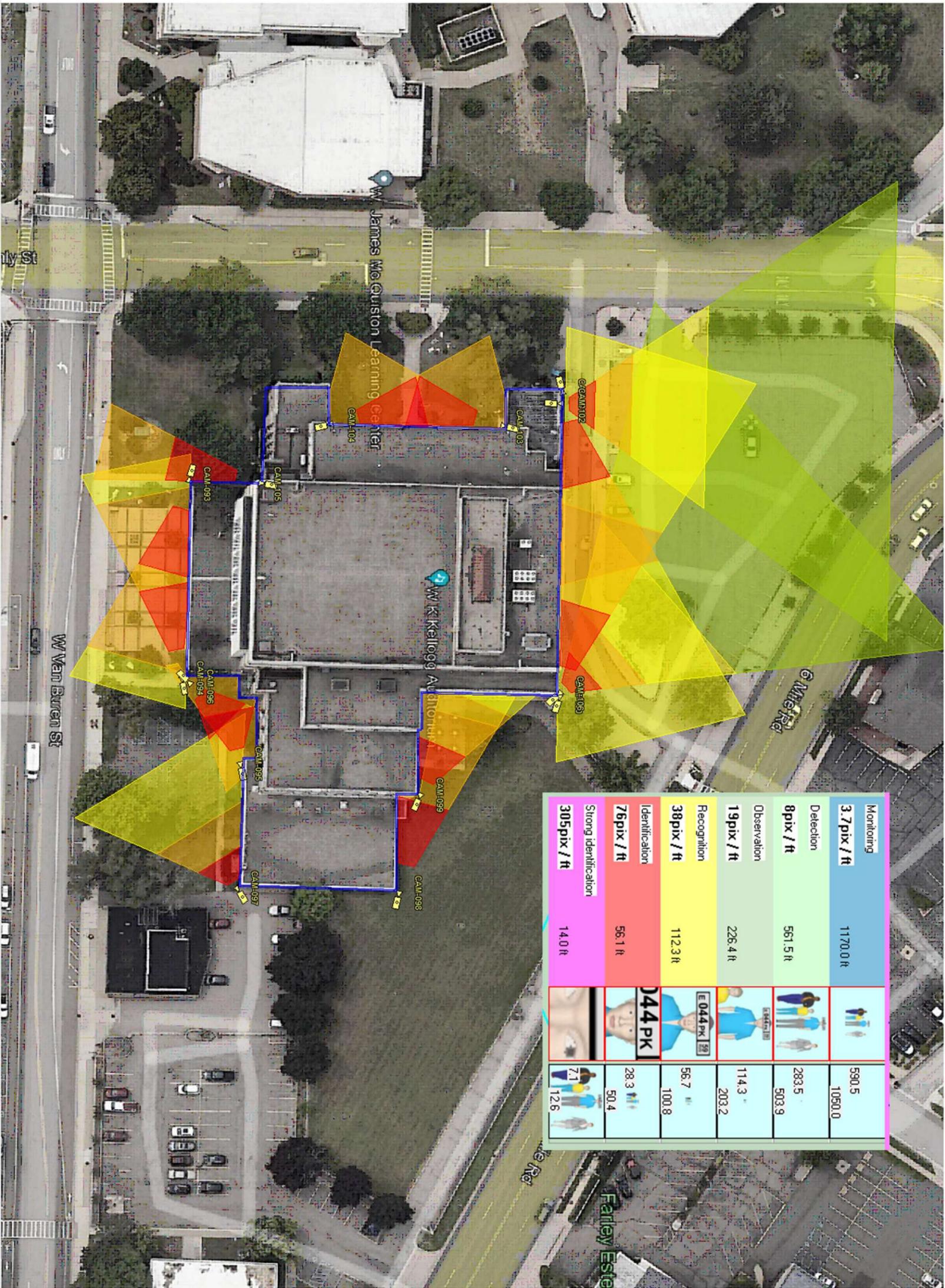


FIRST FLOOR PLAN
W.K. KELLOGG AUDITORIUM

WK Kellogg 2nd Floor Layout



WK Kellogg Exterior Layout

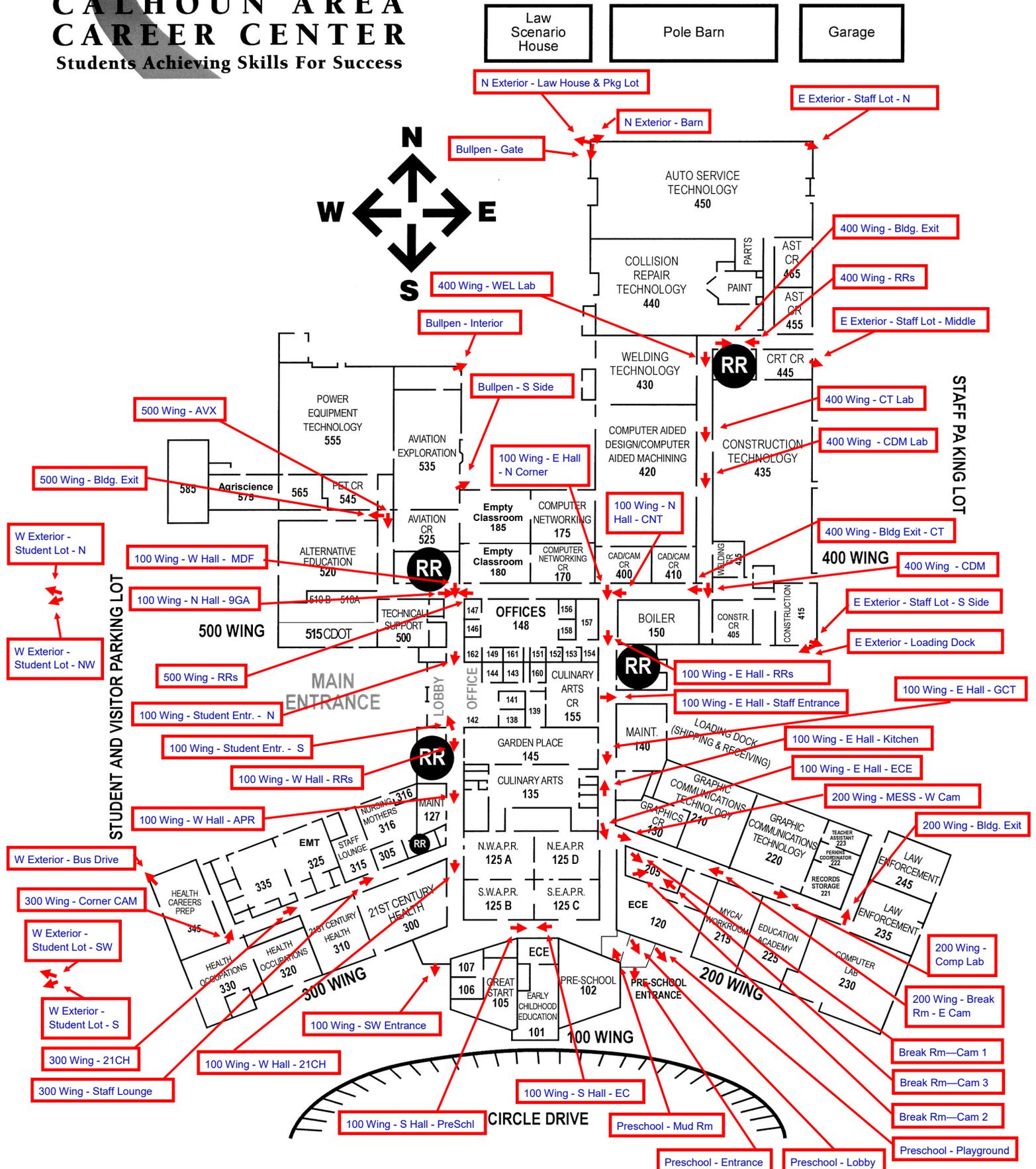


Appendix E - Existing Owner Documentation

CAEC

CALHOUN AREA CAREER CENTER

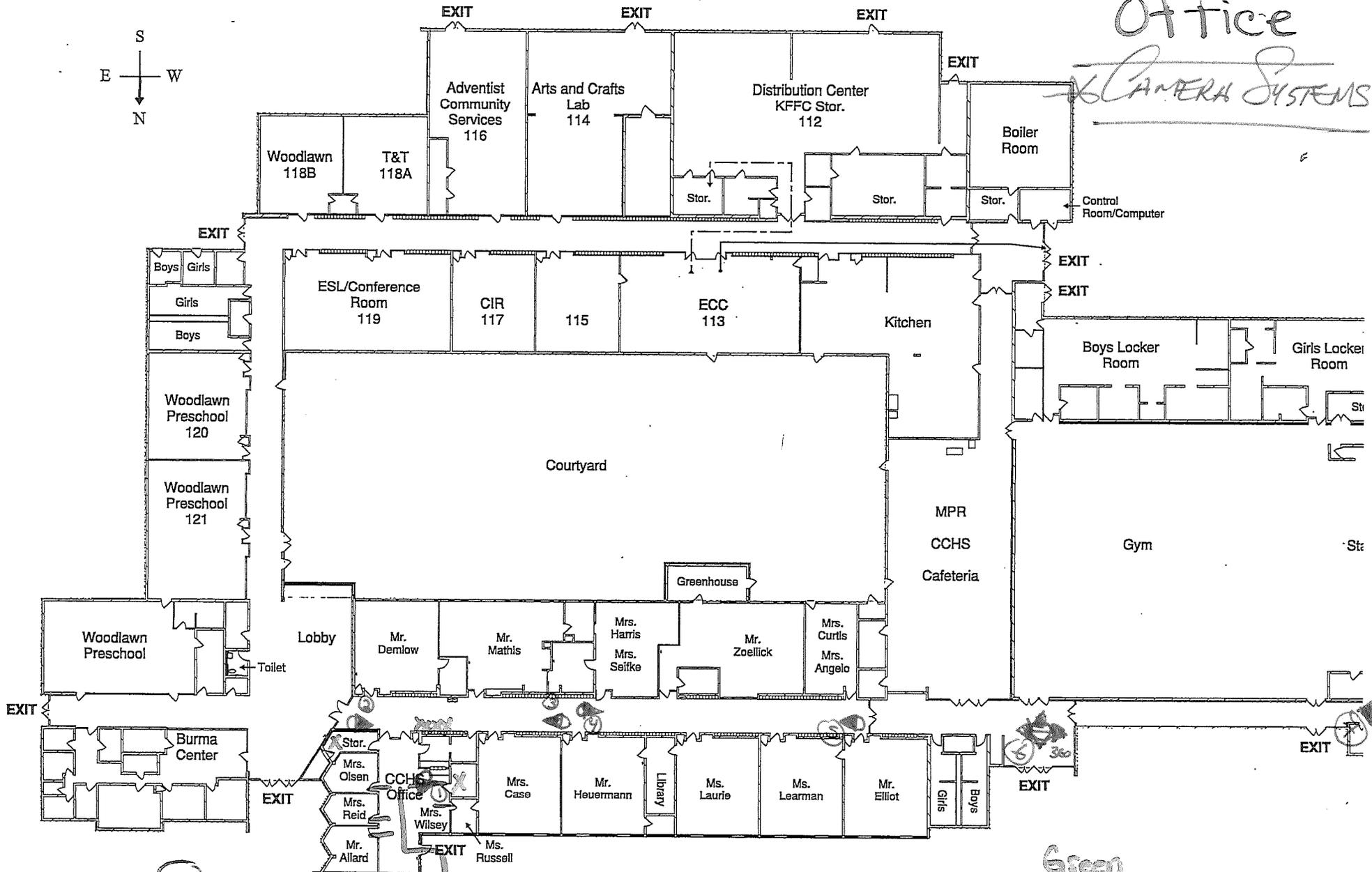
Students Achieving Skills For Success



Appendix E - Existing Owner Documentation

FIRE ALARM AND TORNADO ALERT INSTRUCTIONS **CCHS Office**

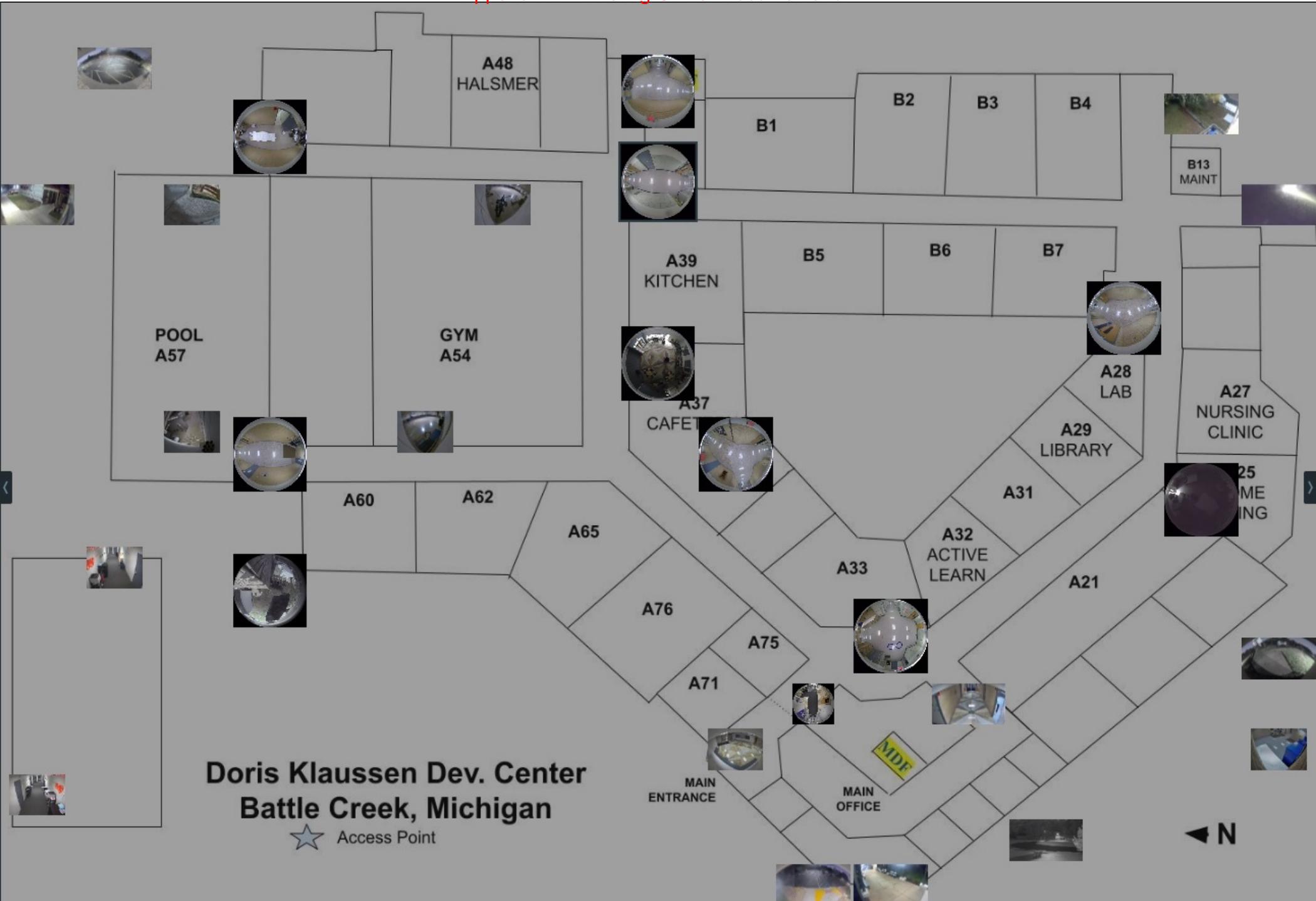
CAMERA SYSTEMS



FIRE ALARM: SEE RED ABOVE
 Students and teachers are to close all windows and exit the room in the direction of the RED ARROW and line on the map, closing the door behind you. Proceed to an area far enough from the building to allow room for emergency crews to access the facility. **LAST TEACHER TO EXIT BUILDING MUST CLOSE FIRE DOORS NEAREST THAT EXIT.**

TORNADO ALERT: SEE BLUE ABOVE
 Students and teachers are to exit the room and kneel, with hands over head and necks, along the inside side of the hallway or inside designated tornado shelter rooms. Close all windows and doors in classrooms. If more space is needed, large restrooms may be used as shelters.

Appendix E - Existing Owner Documentation

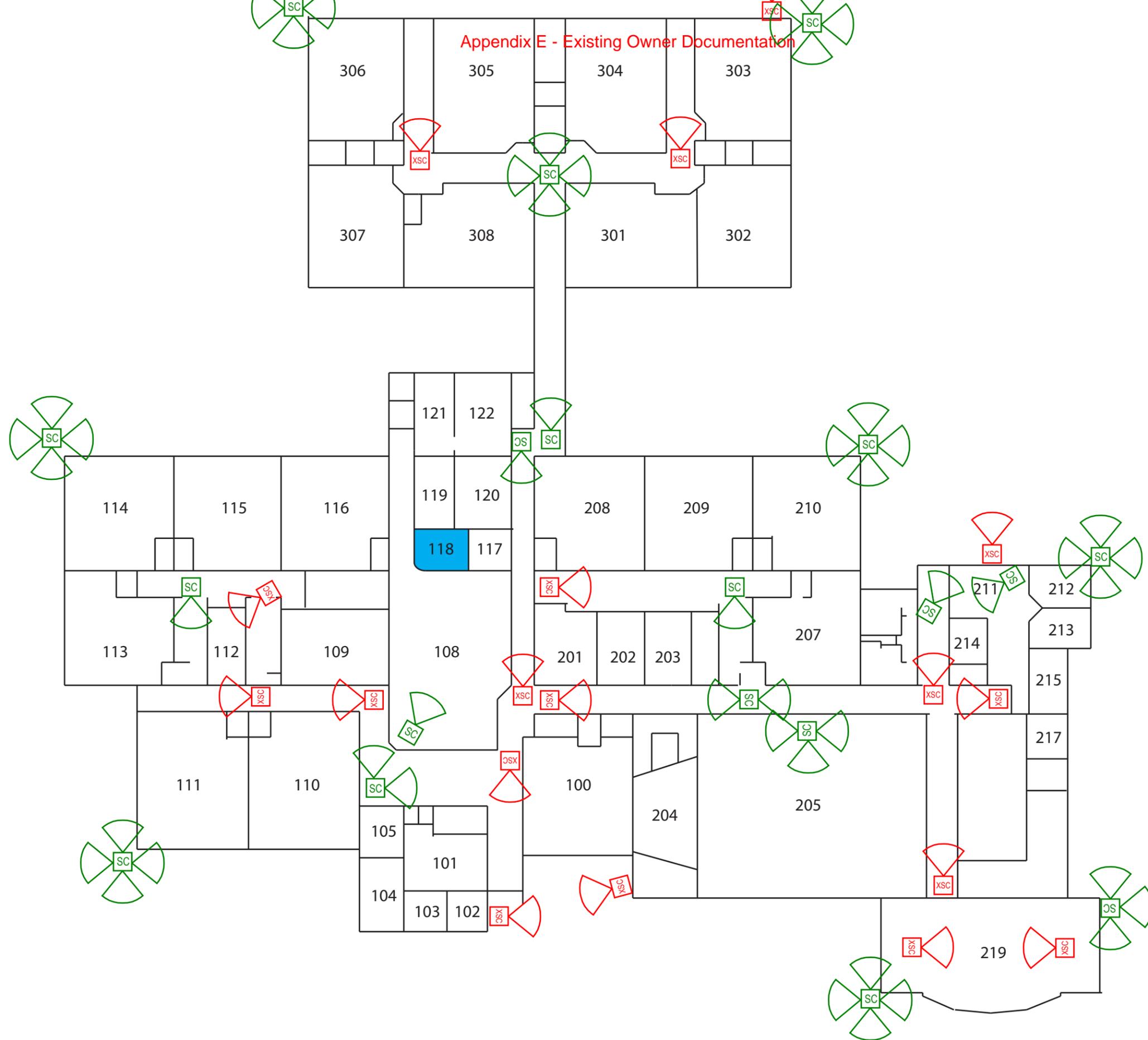


Doris Klaussen Dev. Center
Battle Creek, Michigan

★ Access Point



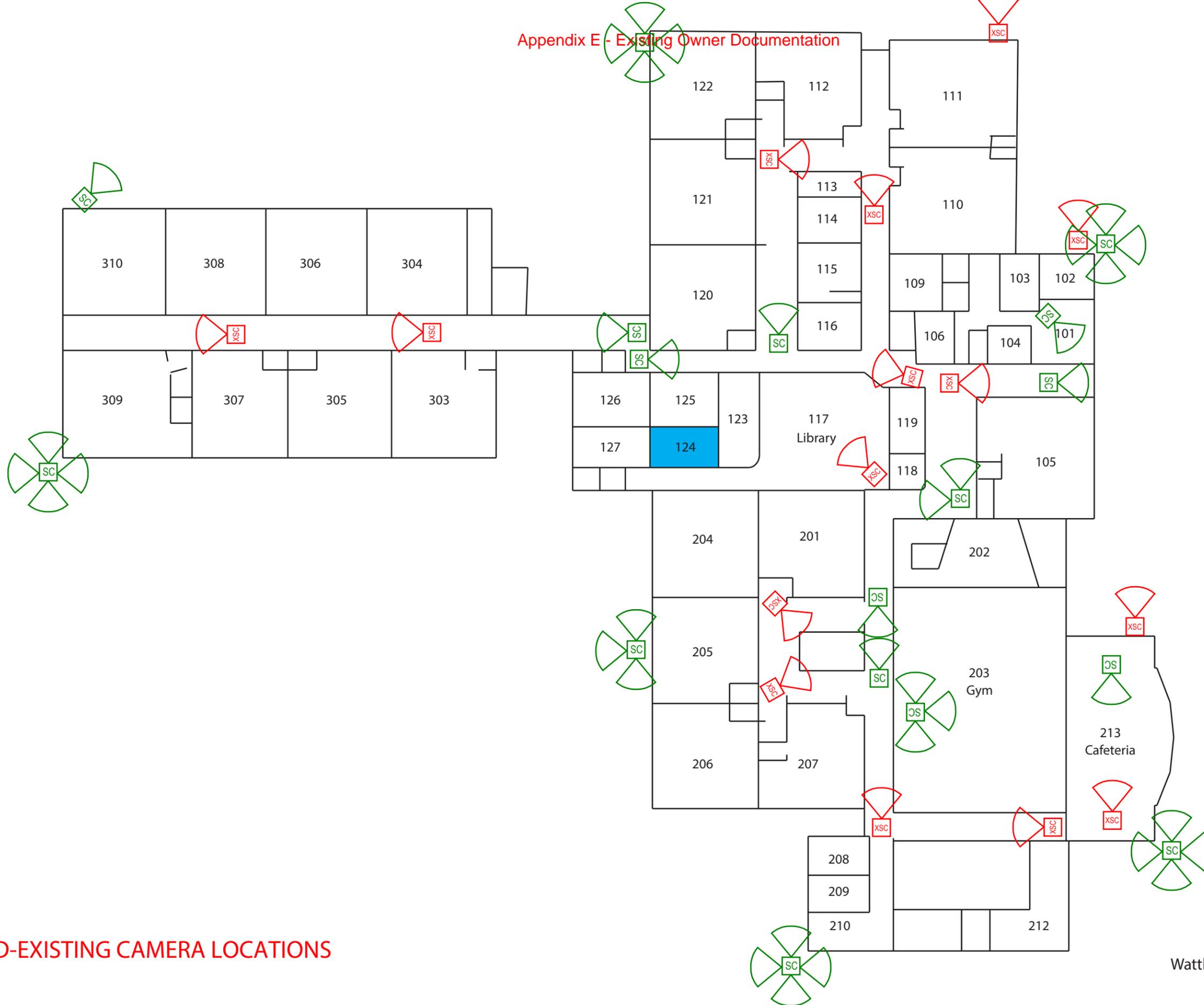
Appendix E - Existing Owner Documentation



Sonoma Elementary

RED-EXISTING CAMERA LOCATIONS

Appendix E - Existing Owner Documentation



RED-EXISTING CAMERA LOCATIONS

Wattles Park

Appendix E - Existing Owner Documentation

Camera Name/Location	Type	Model
INT-1100-1st Floor MENS BATHROOM	AXIS VAPIX	M3014
INT-1100-1st FL HALL SOUTH	AXIS VAPIX	M3014
INT-1100-1st FL NORTH QUAD	AXIS VAPIX	M3014
INT-1100-1st FL SOUTH QUAD	AXIS VAPIX	M3014
INT-1100-1st Floor WOMEN BATHROOM	AXIS VAPIX	M3014
INT-1100-BUS ENTRY	AXIS VAPIX	M3014
INT-1100-MAIN ENTRY	AXIS VAPIX	M3014
INT-1100-MS/HS OFFICE	AXIS VAPIX	M3014
INT-1100-MS/HS OFFICE HALL	AXIS VAPIX	M3014
INT-1100-OUTSIDE MS/HS OFFICE	AXIS VAPIX	M3014
INT-1200-CAFE COMMONS	AXIS VAPIX	M3014
INT-1200-Commons South	AXIS VAPIX	M3014
INT-1200-HS Vending Machines	AXIS VAPIX	M3014
INT-1300-Kindergarten Entry Doors	AXIS VAPIX	M3014
INT-1300-Nurse Entry Doors	AXIS VAPIX	M3014
INT-1400-Elementary Entry Door	AXIS VAPIX	M3014
INT-1500-Ag to Cafeteria Hall	AXIS VAPIX	M3014
INT-1500-Cafeteria	AXIS VAPIX	M3014
INT-1600-Ag Hallway	AXIS VAPIX	M3014
INT-1600-Athletic North Hallway	AXIS VAPIX	M3014
INT-1600-Hall of Champions	AXIS VAPIX	M3014
INT-1600-HS Gym Entry	AXIS VAPIX	M3014
INT-1600-Superintendent Entry Doors	AXIS VAPIX	M3014
INT-1700-Hall Behind Admin Ofcs	AXIS VAPIX	M3014
INT-1700-Maintenance Entry	AXIS VAPIX	M3014
INT-1700-Mens Locker Room Hall	AXIS VAPIX	M3014
INT-1700-Mid Sch Gym Hall	AXIS VAPIX	M3014
INT-1700-Storage & Weight Rm Door	AXIS VAPIX	M3014
INT-1700-Training Room Hallway	AXIS VAPIX	M3014
INT-1700-Womens Locker Room Hall	AXIS VAPIX	M3014
INT-2100-2nd FL 5TH GRADE QUAD	AXIS VAPIX	M3014
INT-2100-2nd FL 6TH GRADE QUAD	AXIS VAPIX	M3014
INT-2100-2nd FL 7TH GRADE QUAD	AXIS VAPIX	M3014
INT-2100-2nd FL 8TH GRADE QUAD	AXIS VAPIX	M3014
INT-2100-2nd FL CENTER STAIRWELL	AXIS VAPIX	M3014
INT-2100-2nd FL MENS BATHROOM	AXIS VAPIX	M3014
INT-2100-2nd FL WOMENS BATHROOM	AXIS VAPIX	M3014
INT-1500-Cafe HS Serving Line	AXIS VAPIX	M3204
INT-1500-Cafe HS Serving Line Door	AXIS VAPIX	M3204
INT-2100-2nd Floor Elevator Door	AXIS VAPIX	M3204
EXT-1400-Front of Elem Bldg Exterior	AXIS VAPIX	P3225-V Mk II
INT-1200-HS Media Center Doors	AXIS VAPIX	P3225-V Mk II
INT-1300-Kinder Hall	AXIS VAPIX	P3225-V Mk II
INT-1300-Old Bldg to Art Room	AXIS VAPIX	P3225-V Mk II
INT-1400-4th Grade Hall from Cafe	AXIS VAPIX	P3225-V Mk II
INT-1400-4th Grade Hall From Office	AXIS VAPIX	P3225-V Mk II
INT-1400-Elem Main Hall MC to Office	AXIS VAPIX	P3225-V Mk II
INT-1400-Elem Office	AXIS VAPIX	P3225-V Mk II
INT-1400-Elem Office to Media Center	AXIS VAPIX	P3225-V Mk II
INT-1500-Cafe Bathrooms to Elem	AXIS VAPIX	P3225-V Mk II
INT-1500-Cafeteria - Kinder Tables	AXIS VAPIX	P3225-V Mk II
INT-1600-Superintendent Office	AXIS VAPIX	P3225-V Mk II
INT-1700-Weight Room Backdoor	AXIS VAPIX	P3225-V Mk II
INT-2100-2nd Floor Elevator Hall	AXIS VAPIX	P3225-V Mk II
EXT-1300-Elem Playground - Middle Camera	AXIS VAPIX	P3227-LVE
EXT-1300-Elem Playground - West Camera	AXIS VAPIX	P3227-LVE
EXT-1300-Elem Playground East	AXIS VAPIX	P3227-LVE
EXT-1500-Band Hall Exterior Door	AXIS VAPIX	P3227-LVE
EXT-1600-Ag Shop Door	AXIS VAPIX	P3227-LVE
EXT-1600-Greenhouse Door	AXIS VAPIX	P3227-LVE
EXT-1600-Shop Door - Exterior	AXIS VAPIX	P3227-LVE
INT-1700-Mid Sch Gym Entry	AXIS VAPIX	P3344
INT-1100-1st Floor Elevator Door	AXIS VAPIX	P3354
INT-1100-BOTTOM 7TH GRADE STAIRS	AXIS VAPIX	P3354
INT-1100-Under Stairway	AXIS VAPIX	P3354
INT-1500-Cafeteria West Doors	AXIS VAPIX	P3354
INT-1700-Receiving Room	AXIS VAPIX	P3354
INT-2100-2nd FL 5TH GRADE STAIRS	AXIS VAPIX	P3354
INT-2100-2nd FL 6th GRADE STAIRS	AXIS VAPIX	P3354
INT-2100-2nd FL 8th GRADE STAIRS	AXIS VAPIX	P3354
INT-2100-TOP 7TH GRADE STAIRS	AXIS VAPIX	P3354
INT-2100-Top of Staircase	AXIS VAPIX	P3354
EXT-1100-BUS ENTRY	AXIS VAPIX	P3364
EXT-1100-BUS LINE EAST	AXIS VAPIX	P3364
EXT-1100-BUS LINE WEST	AXIS VAPIX	P3364
EXT-1100-CIRCLE DRIVE	AXIS VAPIX	P3364
EXT-1100-EXTERIOR MAIN ENTRY	AXIS VAPIX	P3364
EXT-1200-CAFE COMMONS EXIT (EAST)	AXIS VAPIX	P3364
EXT-1600-Admin Entry Doors	AXIS VAPIX	P3364
EXT-1700-HS Gym Door Entry	AXIS VAPIX	P3364
EXT-1700-Locker Rm Door Entry	AXIS VAPIX	P3364
EXT-1700-MS Gym Entry	AXIS VAPIX	P3364
EXT-1700-North MS Gym Doors	AXIS VAPIX	P3364
Ext-1700-North Parking Lot	AXIS VAPIX	P3364
EXT-1700-Receiving Entry	AXIS VAPIX	P3364
INT-1500-Cafeteria Hallway	AXIS VAPIX	P3365
EXT-1400-Modular Classrooms	AXIS VAPIX	P3367
EXT-1500-Cafeteria Courtyard/Playground	AXIS VAPIX	P3367

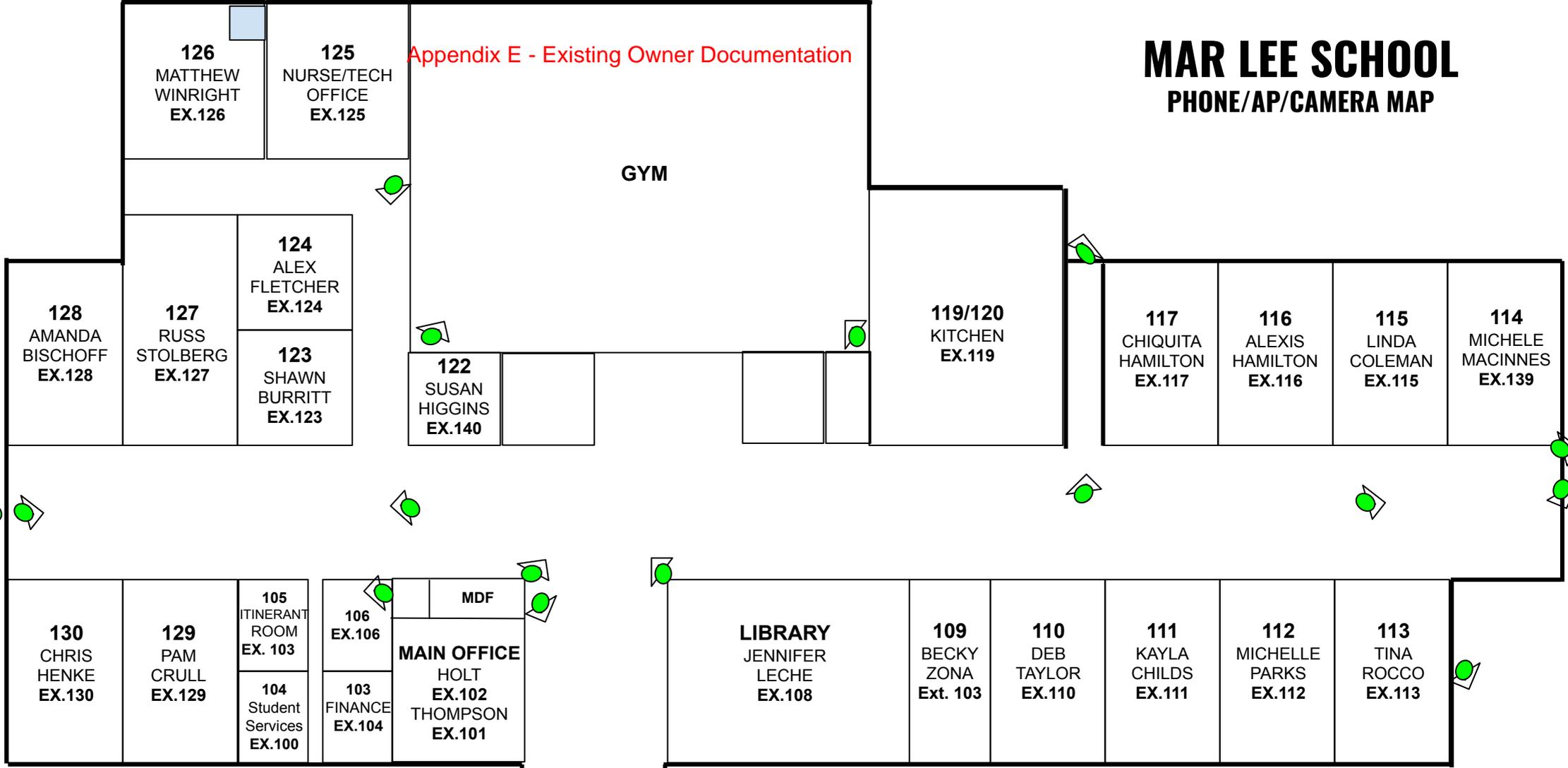
MAR LEE SCHOOL

PHONE/AP/CAMERA MAP

Appendix E - Existing Owner Documentation

133 ANGELA POWERS EX.133	132 BARBARA CARRIER EX.132
134 SHANNON BASS EX.134	131 LOUNGE EX.131

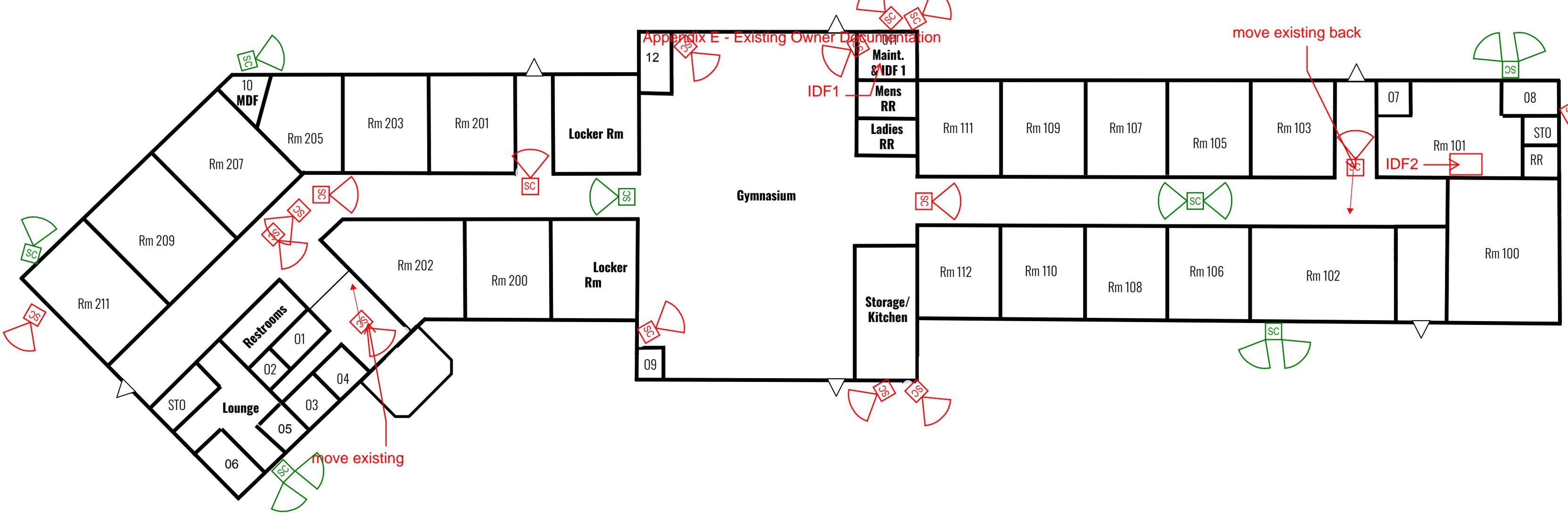
138 DL PATTON EX.138	135 MICHELLE VANSICKLE EX.135
137 HEATHER FAZEKAS EX.137	136 STACY TUCKER EX.136



MAIN ENTRY

MAP KEY





Appendix E - Existing Owner Documentation

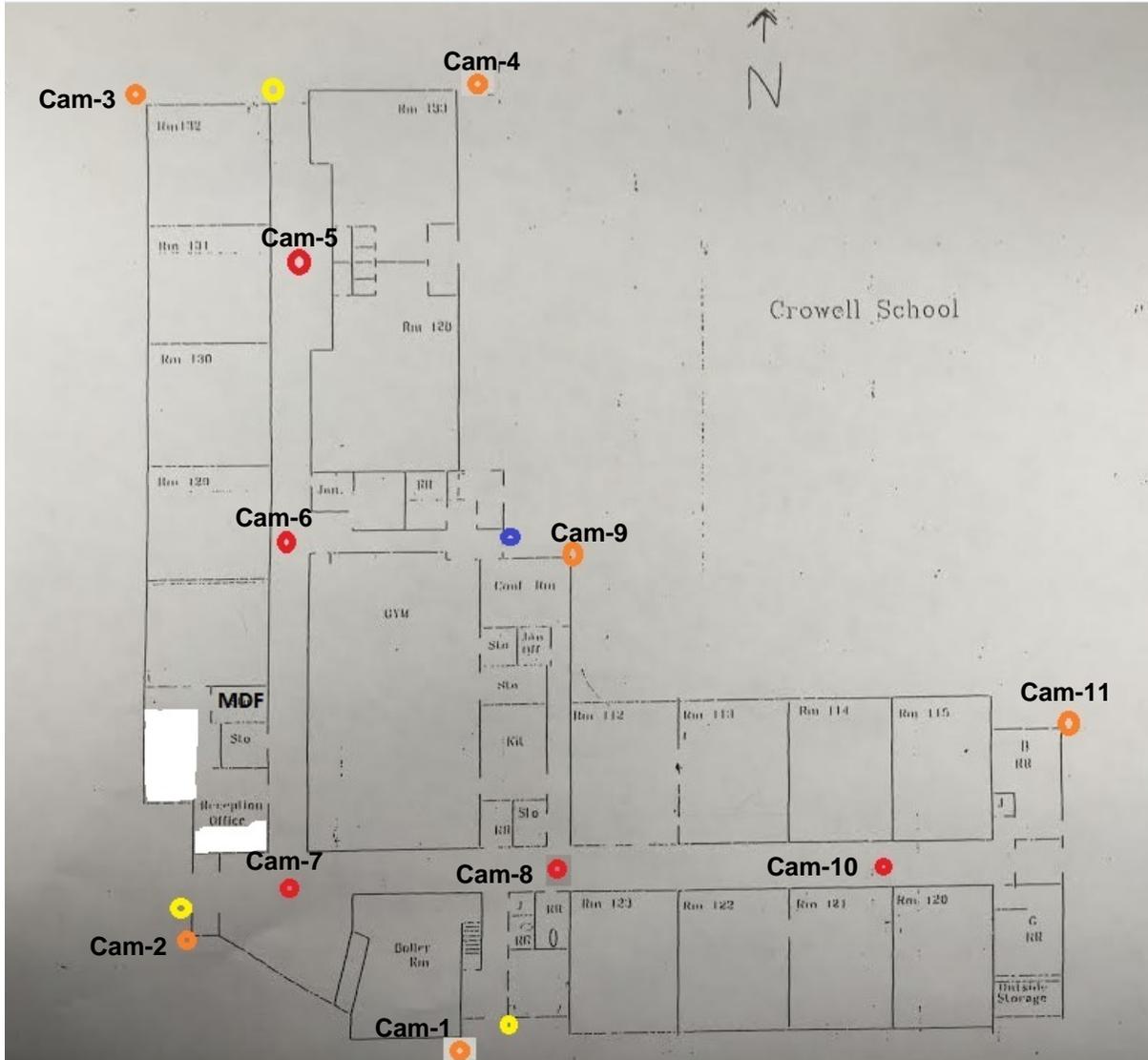
RED-EXISTING CAMERAS

MARSHALL ACADEMY

Appendix E - Existing Owner Documentation

Crowell School
1418 Cooper St.
Albion, MI 49224

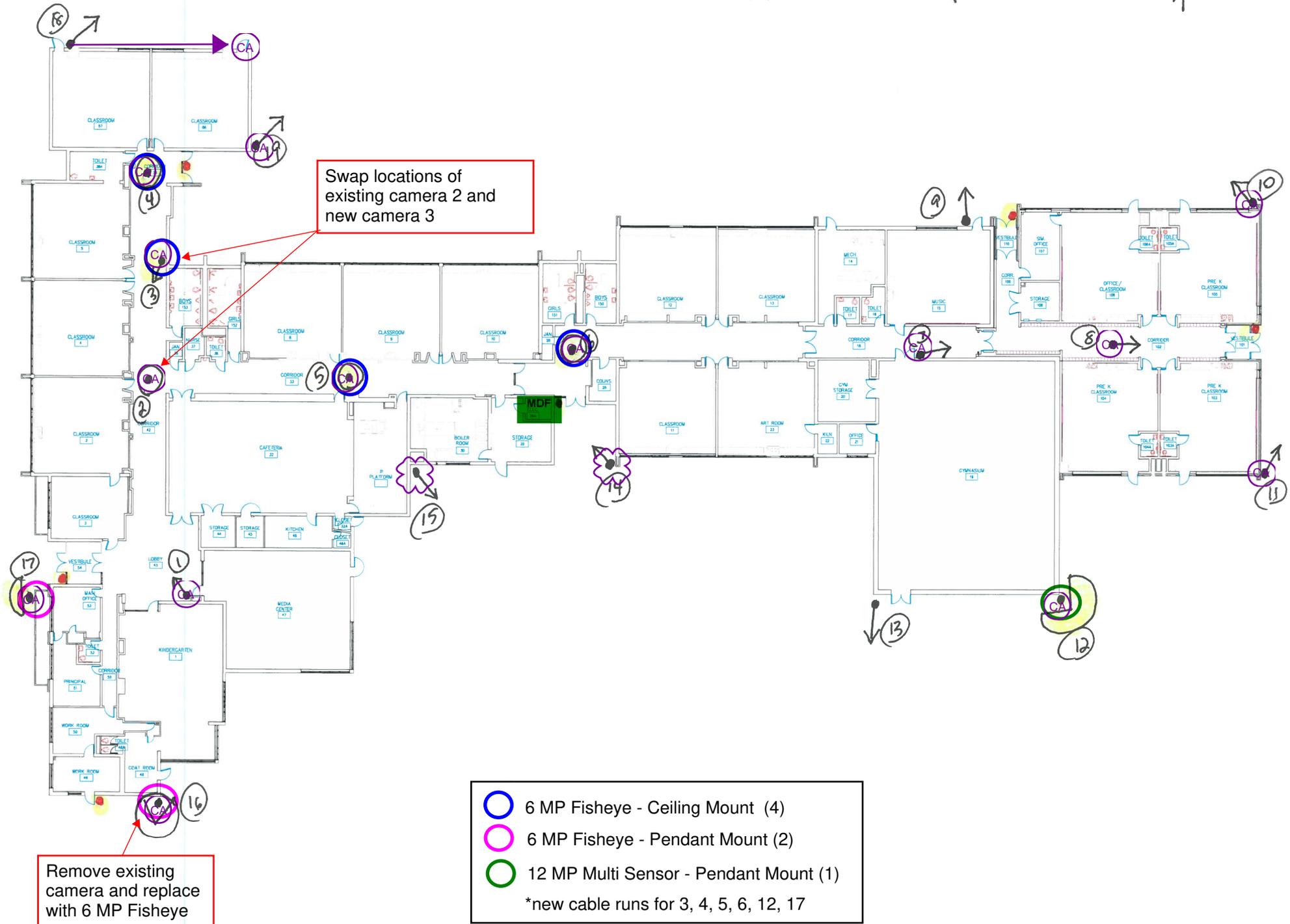
KWI Avigilon Video Sales Print



- Multi Sensor Camera (Corner Mount) - 6
- 6 MP Fisheye Camera - 4

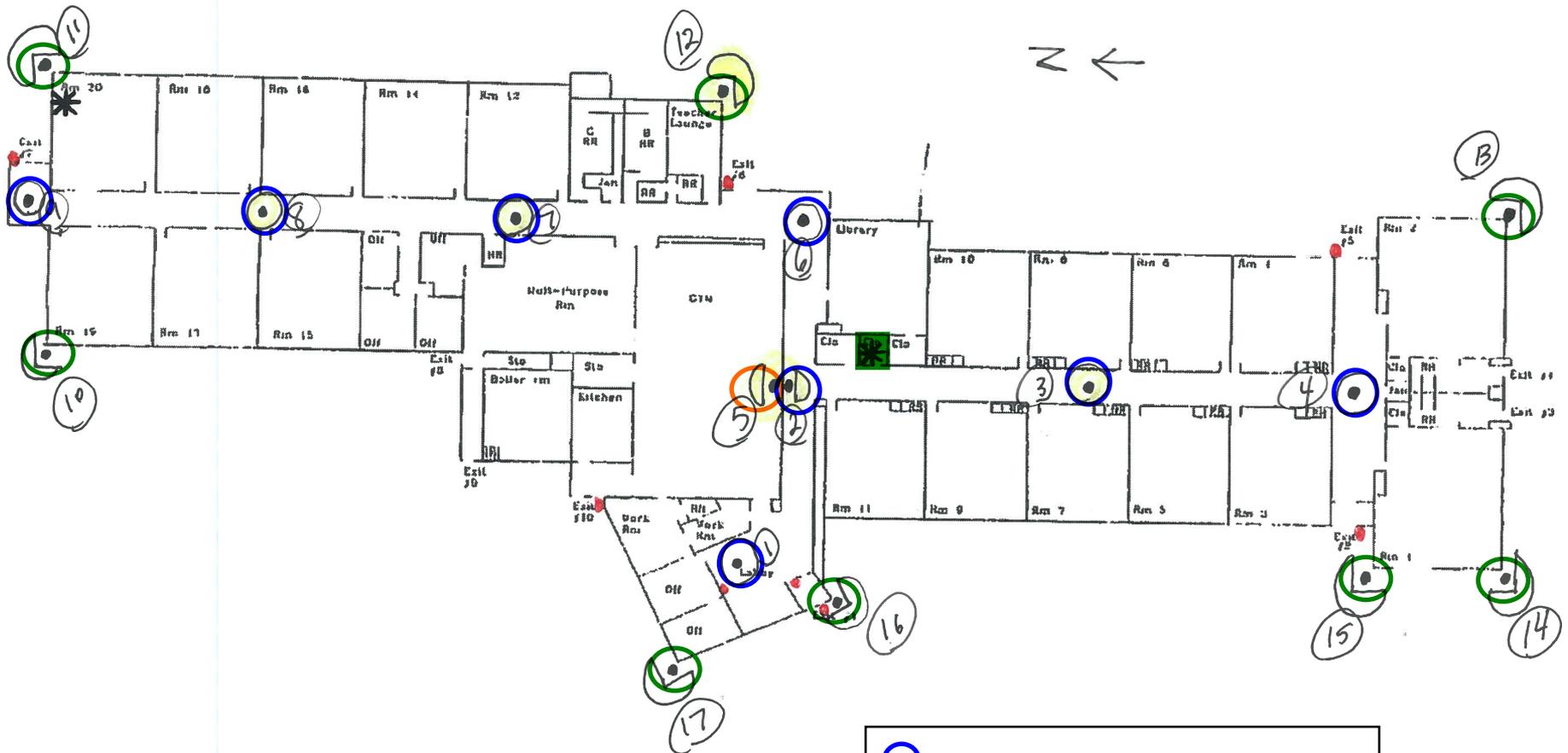
Appendix E - Existing Owner Documentation

GORDON ELEMENTARY

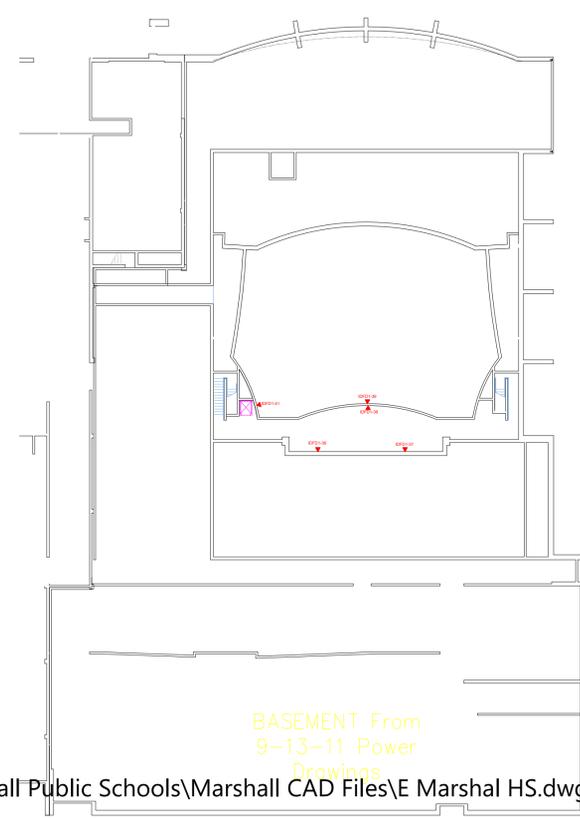
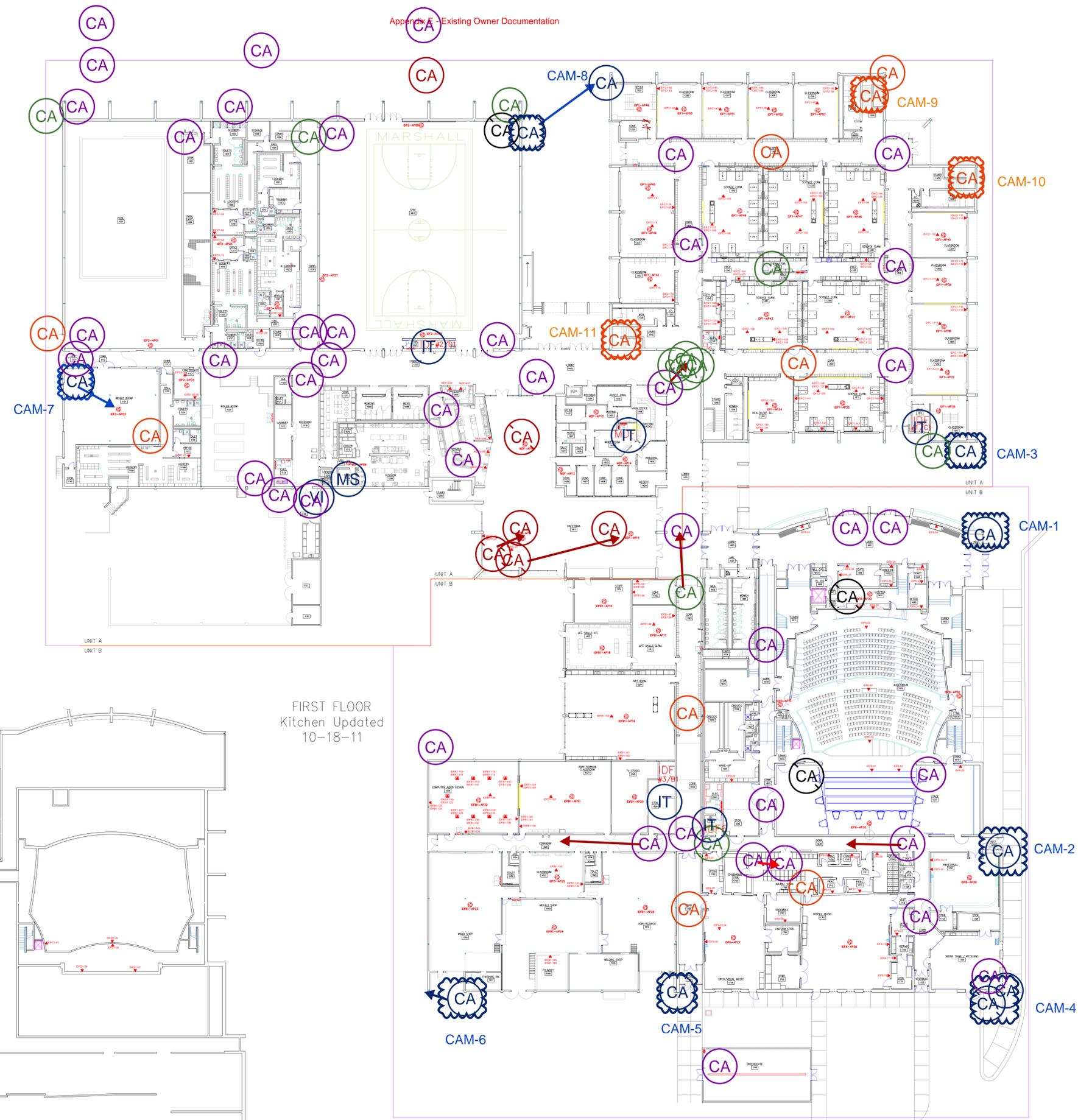


Appendix E - Existing Owner Documentation

HARRINGTON SCHOOL



- 6 MP Fisheye - Ceiling Mount (8)
 - 6 MP Fisheye - Wall Mount (1)
 - 12 MP Multi Sensor - Pendant Mount (8)
- *new cable runs for 2,3,5,7,8,12



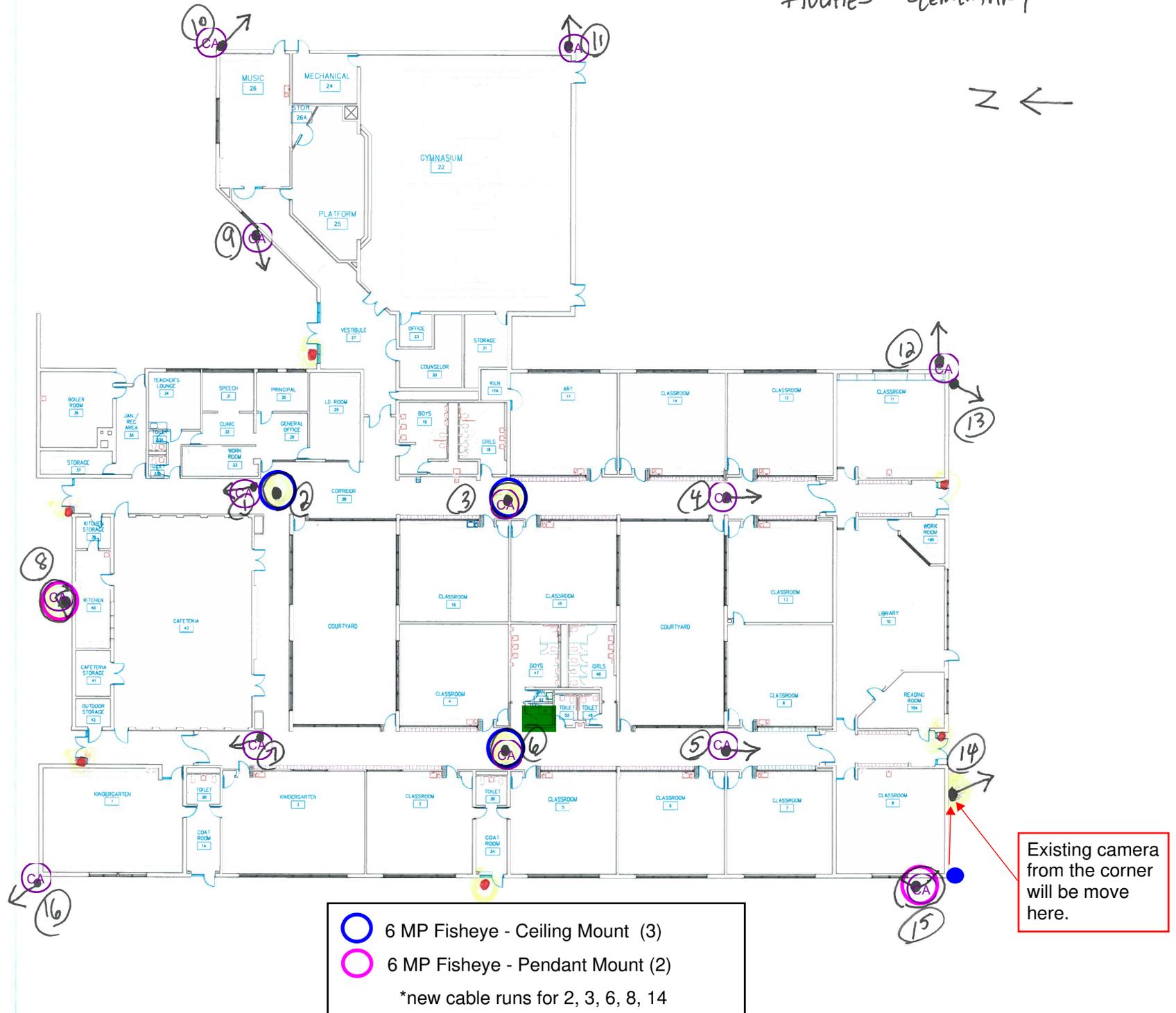
FIRST FLOOR
Kitchen Updated
10-18-11

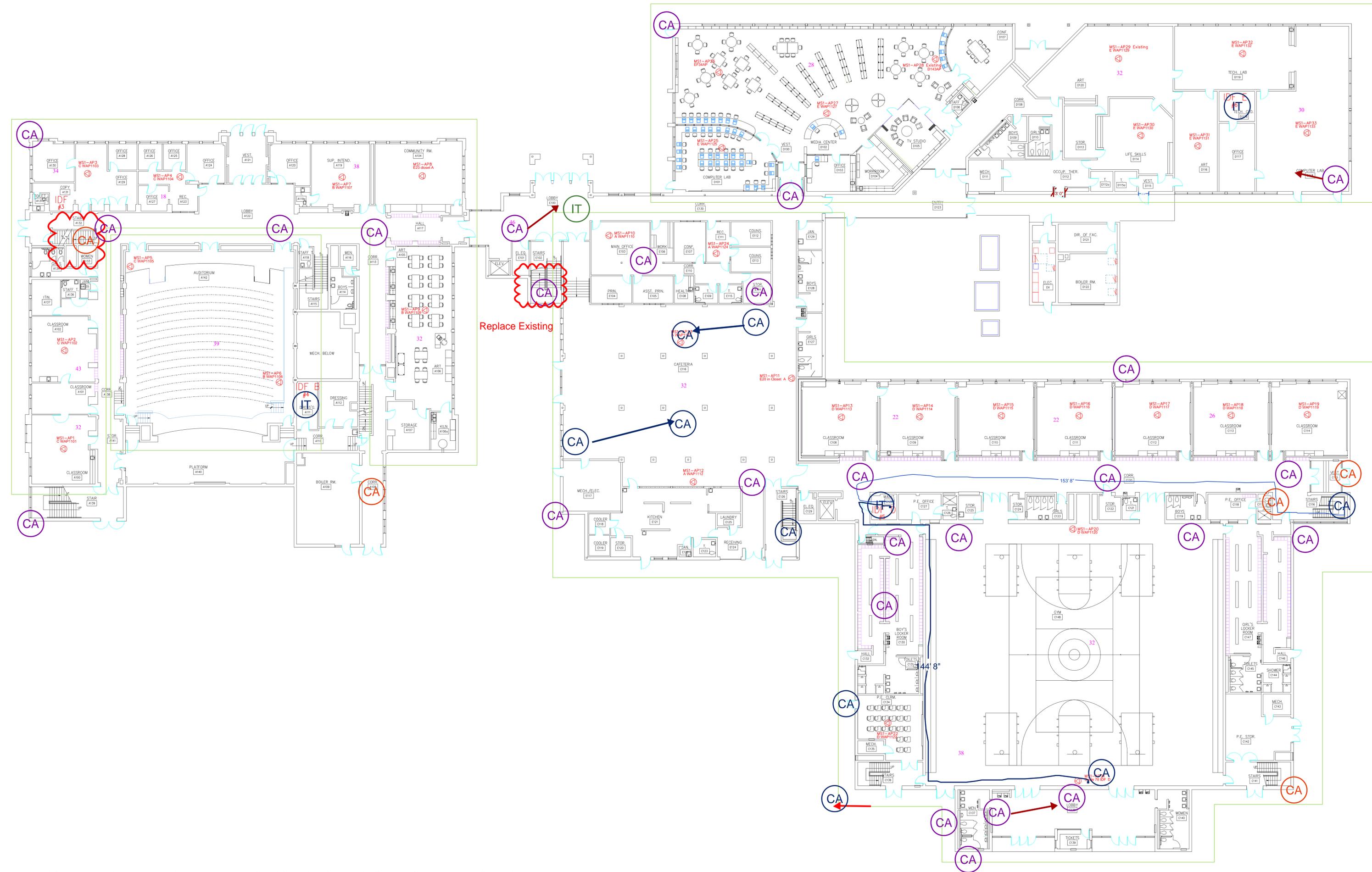
BASEMENT From
9-13-11 Power
Drawings

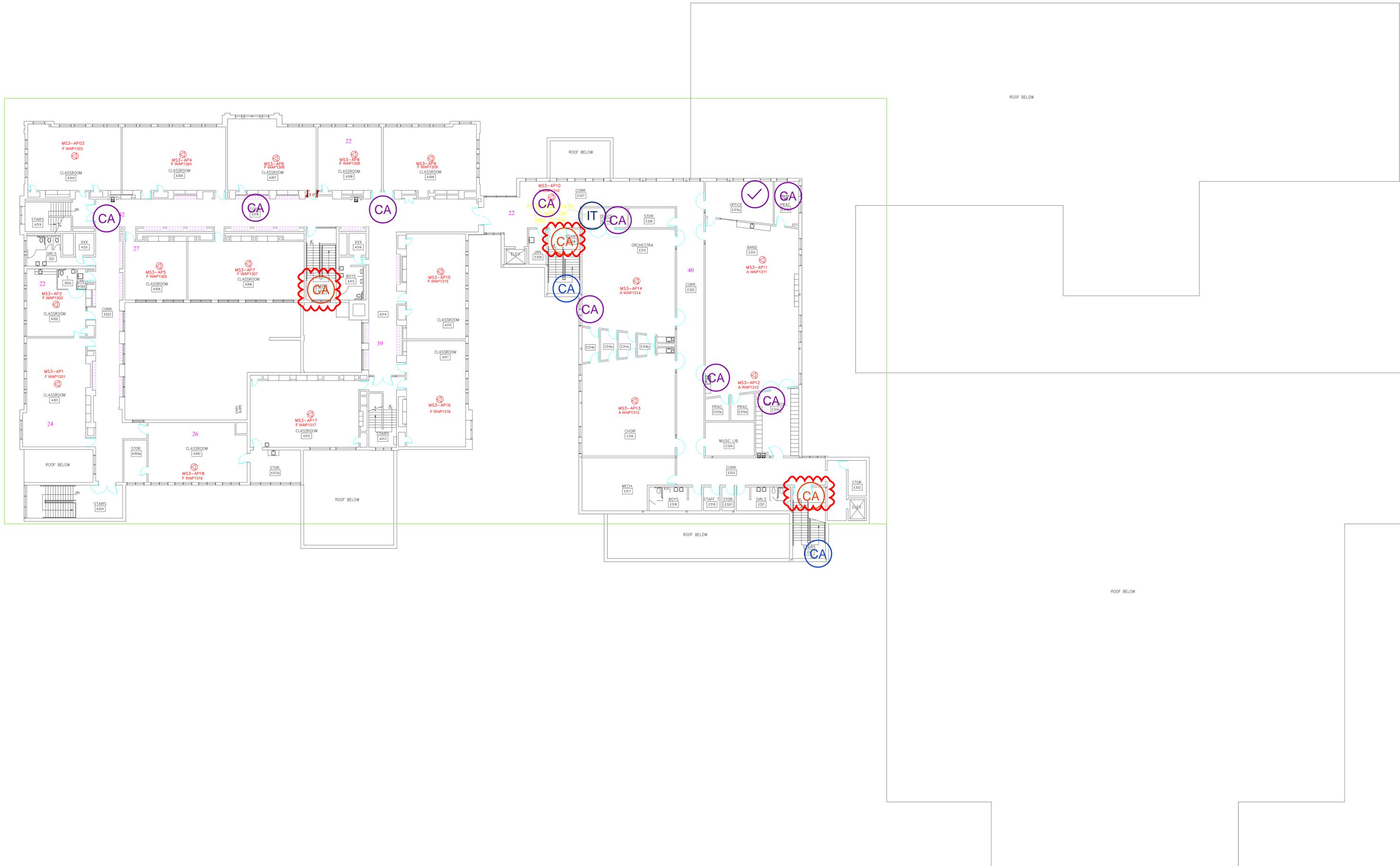


Appendix E - Existing Owner Documentation

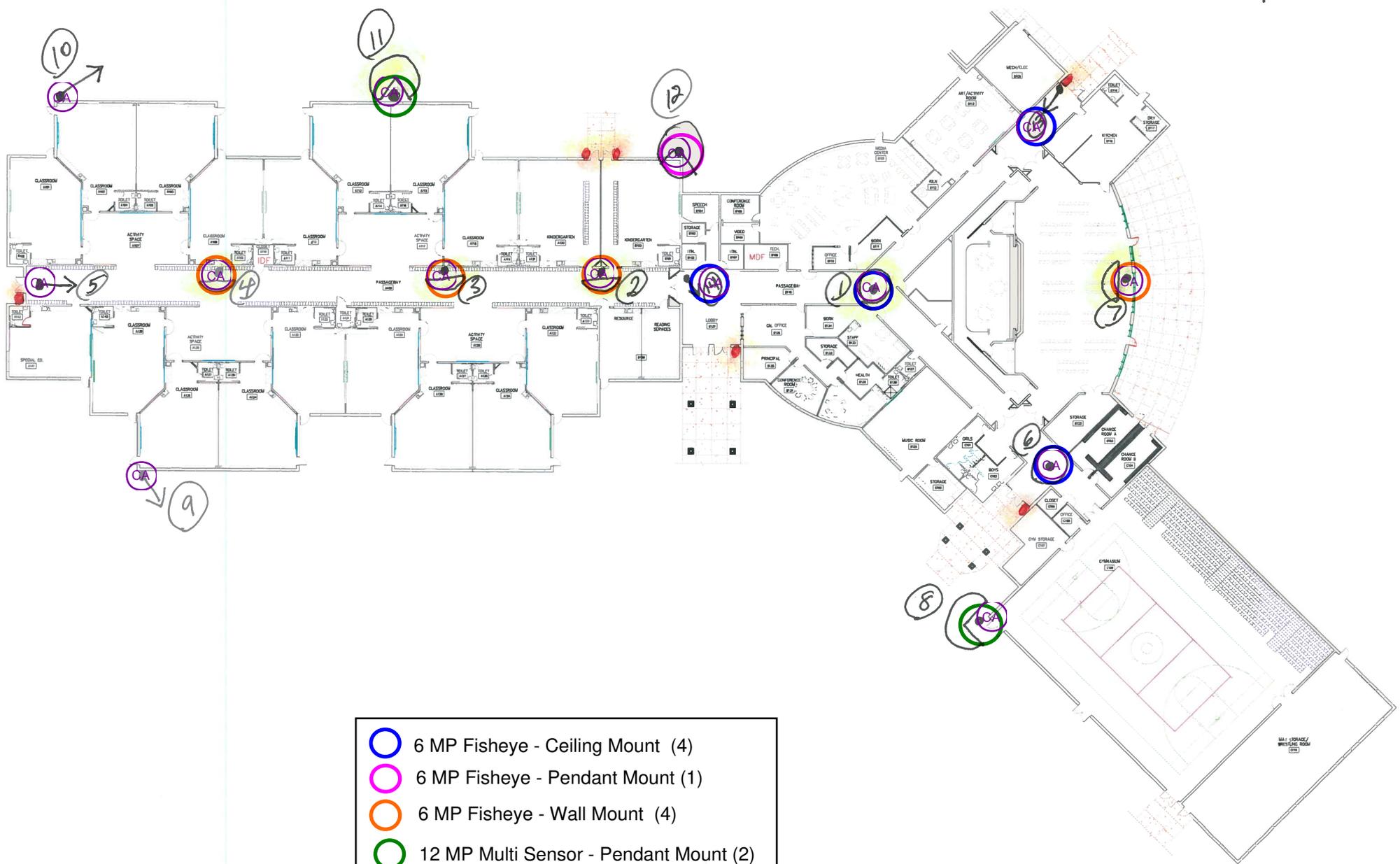
HUGHES ELEMENTARY



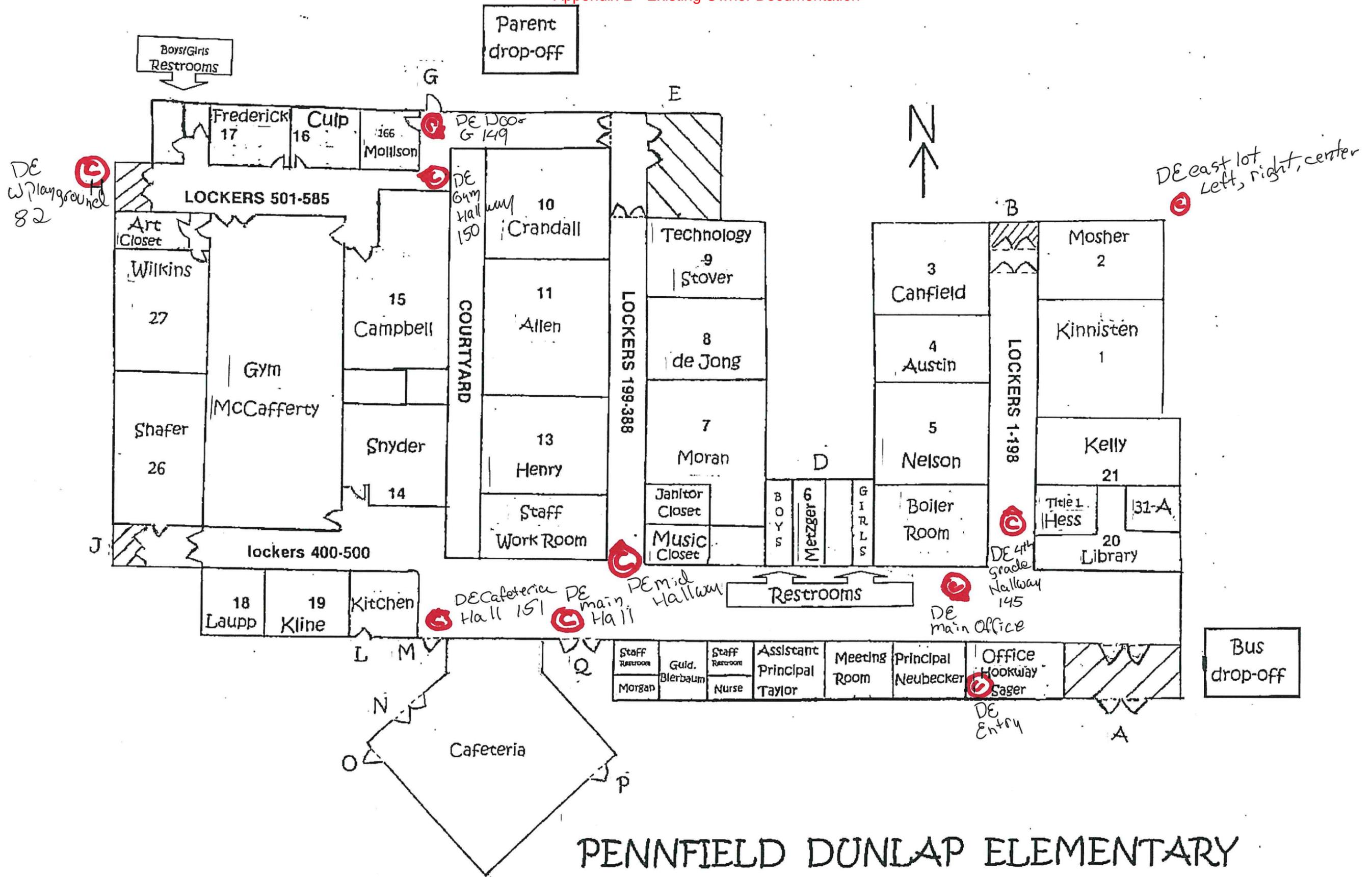




Appendix E - Existing Owner Documentation **WALTERS ELEMENTARY**



- 6 MP Fisheye - Ceiling Mount (4)
 - 6 MP Fisheye - Pendant Mount (1)
 - 6 MP Fisheye - Wall Mount (4)
 - 12 MP Multi Sensor - Pendant Mount (2)
- *new cable runs for 1, 2, 3, 4, 7, 11



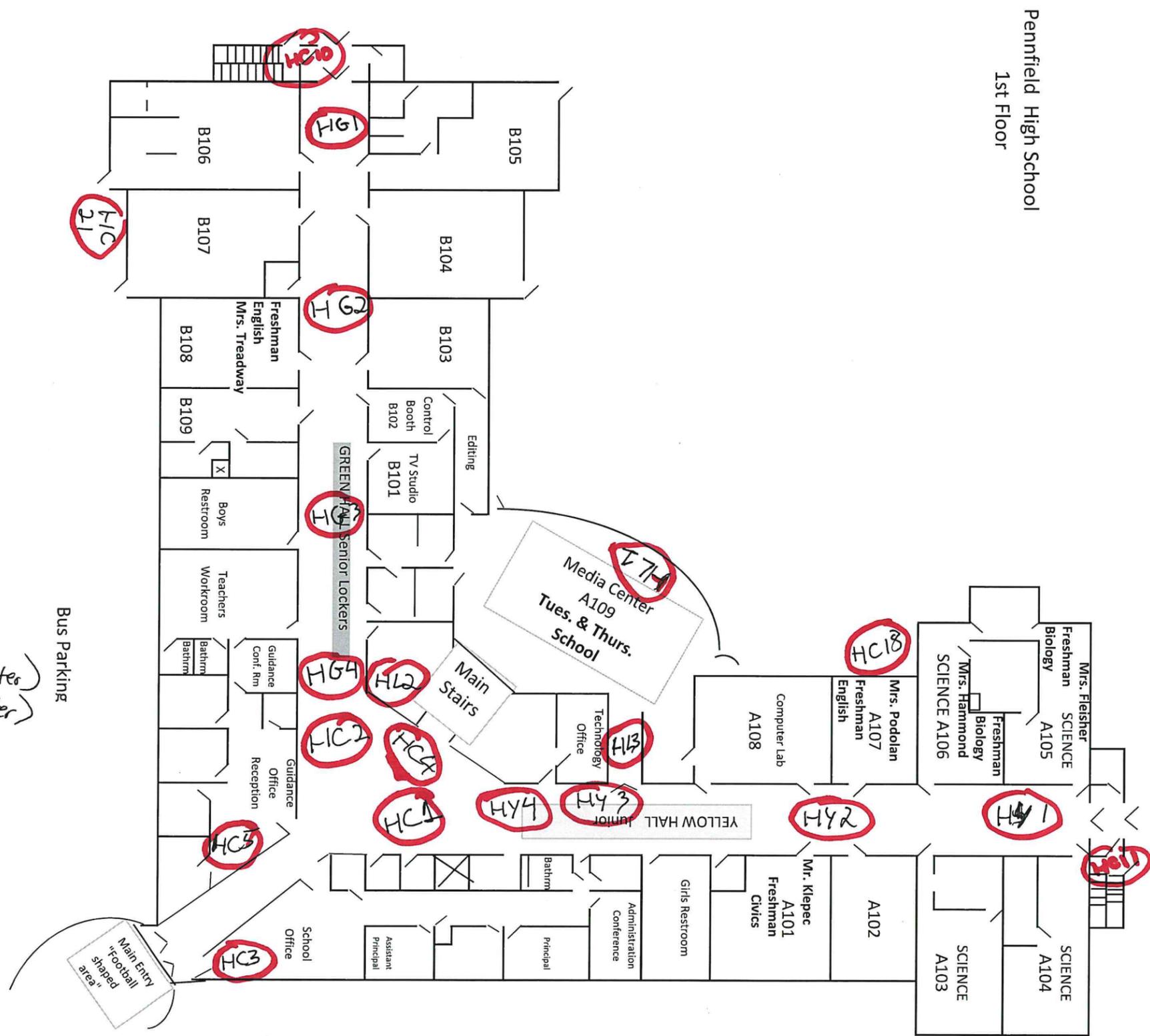
PENNFIELD DUNLAP ELEMENTARY

Updated 8/29/2018

A, B, D, E, G, H, J, L, M, N, O, P, Q = Exit Door Locations

Appendix E - Existing Owner Documentation

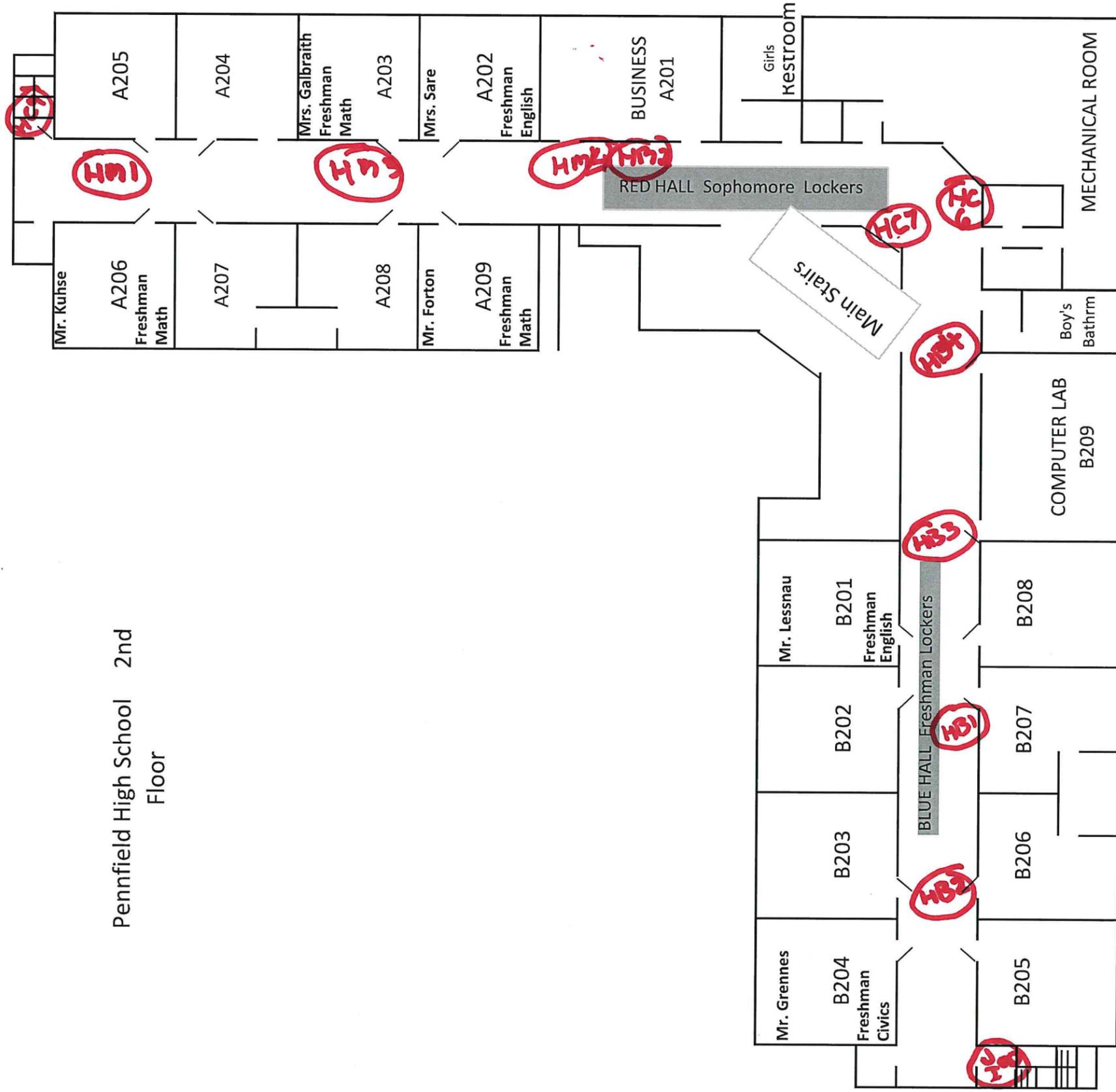
- HG1 - HS Green 1
- HG2 - HS Green 2
- HG3 - HS Green 3
- HG4 - HS Green 4
- HY1 - HS Yellow 1
- HY2 - HS Yellow 2
- HY3 - HS Yellow 3
- HY4 - HS Yellow 4
- HC1 - HS Main Stair 1
- HC2 - HS Main Stair 2
- HC3 - HS Main Office
- HC4 - HS Main Hall
- HL1 - HS Library 1
- HL2 - HS Library 2
- HL3 - HS Library 3
- HC5 - HS Counselors Office
- HC10 - HS SW Stairs 1
- HC11 - HS SE Stairs 1
- HC18 - HS Student Parking (Right/Left/center)
- HC21 - HS Staff Parking (Right/Left/center)



Pennfield High School
1st Floor

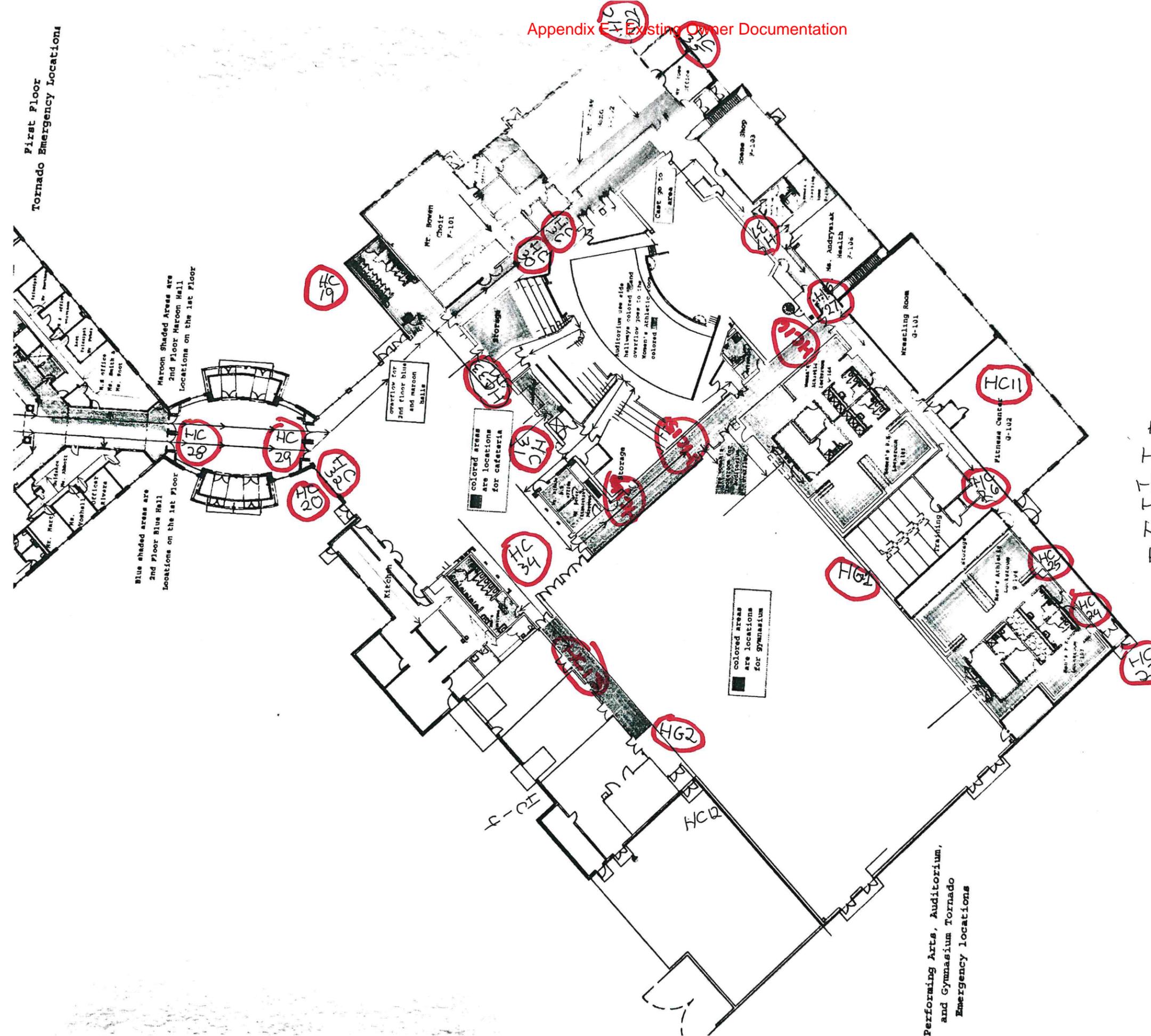
Appendix E - Existing Owner Documentation

Pennfield High School 2nd Floor



- HB4 - HS Blue 4
- HB3 - HS Blue 3
- HB2 - HS Blue 2
- HB3 - HS Blue 3
- HM1 - HS Maroon 1
- HM2 - HS Maroon 2
- HM3 - HS Maroon 3
- HM4 - HS Maroon 4
- HCT6 - HS Main Stair
- HCT7 - HS Stairwell
- HCT8 - HS SW Stair
- HCT9 - HSSE Stair

Appendix E - Existing Owner Documentation



First Floor
Tornado Emergency Locations

Maroon Shaded Areas are
2nd Floor Maroon Hall
Locations on the 1st Floor

Blue shaded areas are
2nd Floor Blue Hall
Locations on the 1st Floor

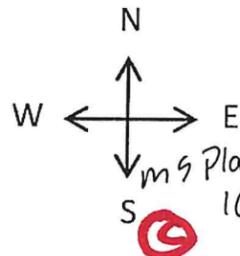
colored areas
are locations
for cafeteria

colored areas
are locations
for gymnasium

Performing Arts, Auditorium,
and Gymnasium Tornado
Emergency Locations

- HG1 - HS Gym W 1, 2, 3
- HG2 - HS Gym E 1, 2, 3
- HC11 - HS Weight Room 75
- HC12 - HS maintenance Out 57
- HC13 - HS maintenance Hall 56
- HC14 - HS Loading Dock
- HC15 - HS Gym Hallway 2 53
- HC17 - HS Gym Hallway 1 54
- HC16 - HS Gym Hallway 3 52
- HC19 - HS Stu Entry 1, 2, 3, 4
- HC20 - HS Staff Parking 5
- HC22 - HS N Fitness Out 76
- HC23 - HS Fitness Outside
- HC24 - HS Fitness E Door
- HC25 - HS Fitness 3
- HC26 - HS Fitness 2
- HC27 - HS Fitness 1
- HC28 - HS Entry S
- HC29 - HS Entry N
- HC30 - HS Choir 1
- HC31 - HS Cafe NW
- HC32 - HS Cafe Entry
- HC33 - HS Cafe East View
- HC34 - HS Cafe 4
- HC35 - HS Band Outside Door
- HC36 - HS Band 1
- HC37 - HS Band 3

2018-2019 School Year



Appendix E - Existing Owner Documentation

MS Playground 1, 2, 3, 4
MS Parking AC 182

Mrs. Forton Room 28	Mrs. Davis Room 29	Mr. McGuire Room 31	Mrs. Boucher Room 33	Mrs. Smithkey Room 35	Mrs. Horn Room 36	Mrs. Green Room 37
---------------------	--------------------	---------------------	----------------------	-----------------------	-------------------	--------------------

Room 52	Mr. Diemer Room 51	Mr. Appleton Room 27
---------	--------------------	----------------------

Lockers 397A-397F MS Door 120
Lockers 398-434 MS North hall facing west
MS North Hall facing Band
Lockers 435-461
Lockers 462-479G MS NE Bathroom 121
Lockers 480-514

Ms. Atkinson Room 30	Mr. Wentworth Room 32	Mr. Garzelloni Room 34
----------------------	-----------------------	------------------------

Restrooms
Mr. Williams Room 45
Mrs. Martin Room 46
Ms. Hill Room 47
Mrs. Dollaway Room 48
Mrs. Kramer Room 49
Storage

Mr. Driver Room 38	Mr. Dixon
Mr. Bowen Room 44	

Lockers 256-355 MS Tech Lab hall 172
MS N Gym Hallway 130

Boys' Locker Room	Mrs. Driscoll
Boys' Team Locker Room	Gymnasium
Training Room	Mr. Polnasek Mr. Johnson

MS Gym-2
MS Door R 129
Lockers 144-255

Mr. Grimm Room 26
Mrs. Bravo Room 22
Mr. Holtz Room 21
Mrs. Watson Room 20
Restrooms

Pennfield Middle School

Mrs. Wise Library	Mrs. Cerullo	Mr. Watson Room 50
Mrs. Driscoll Room 16		

Stage
MS NE Cafe 122
Cafeteria
MS SW Cafe 123

MS Band 164
MS East Hall facing North

MS Parking Lot Gym 171

MS Door A

Gym Lobby

MS SW Bathroom 126
MS South Hall facing East 168

Lockers 80-72
Lockers 71-39
Lockers 38-8
Lockers 7-1
MS South Hall facing west 166

MS Admin office (180)
MS Door C 124

Girls' Locker Room

Locker 143-124
Lockers 123-115
Lockers 114-81

Concession Stand	Mrs. Isaacson ISS Room	Mrs. Hoban Room 17	CISD Office (ZAP) Room 15	Teacher Work Room	Nurse	Middle School Office					
						Mrs. Traynor	Counselor Mrs. Carroll	Asst. Principal Mr. Bever	Principal Mrs. Herzing	Secretary Mrs. Hemphill	Mrs. Romig

MS Door B 125

Pennfield Dist. Administration Office

MS Circle Drive

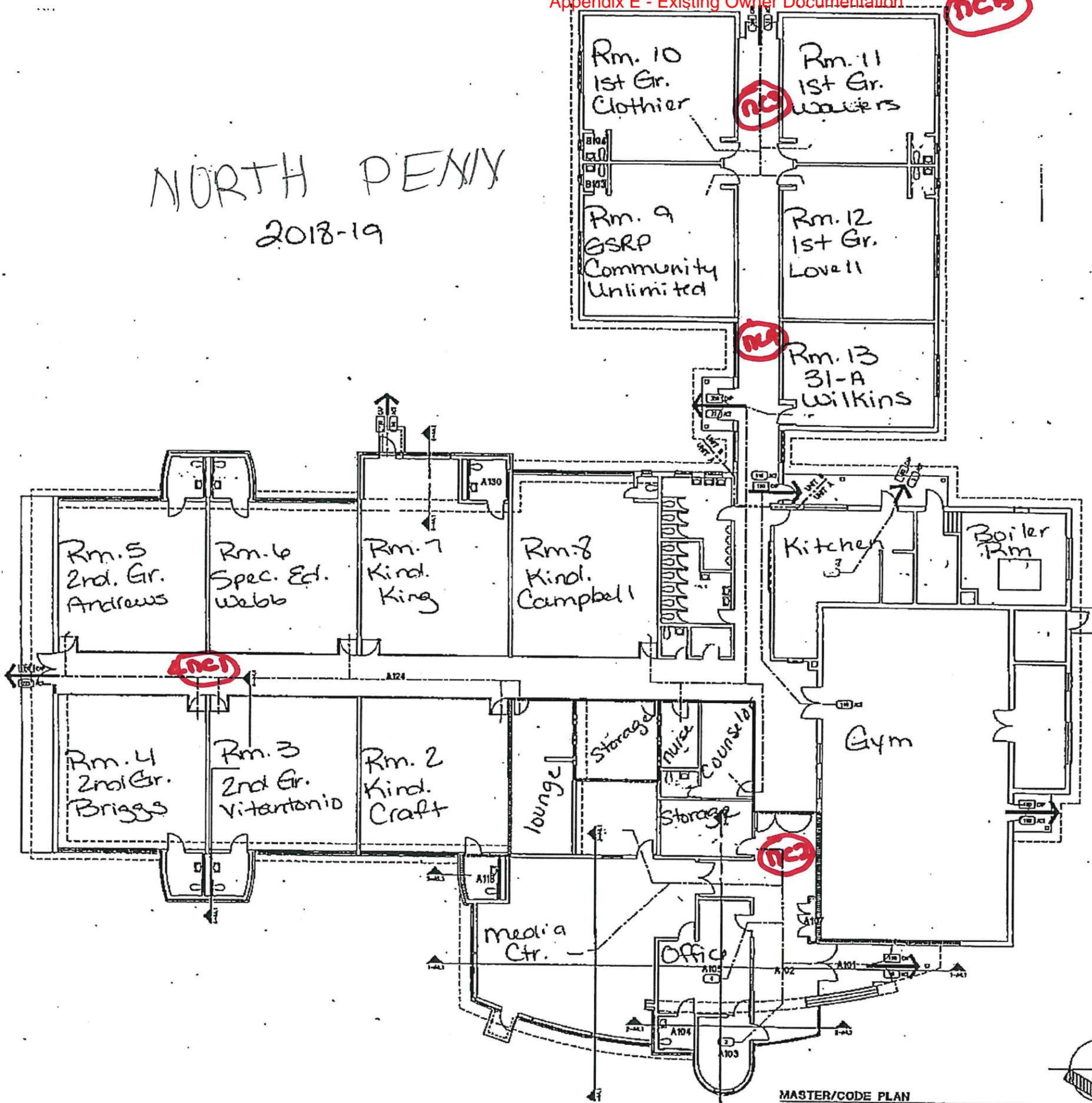
MS Office 167

MS Staff Parking Lot 173

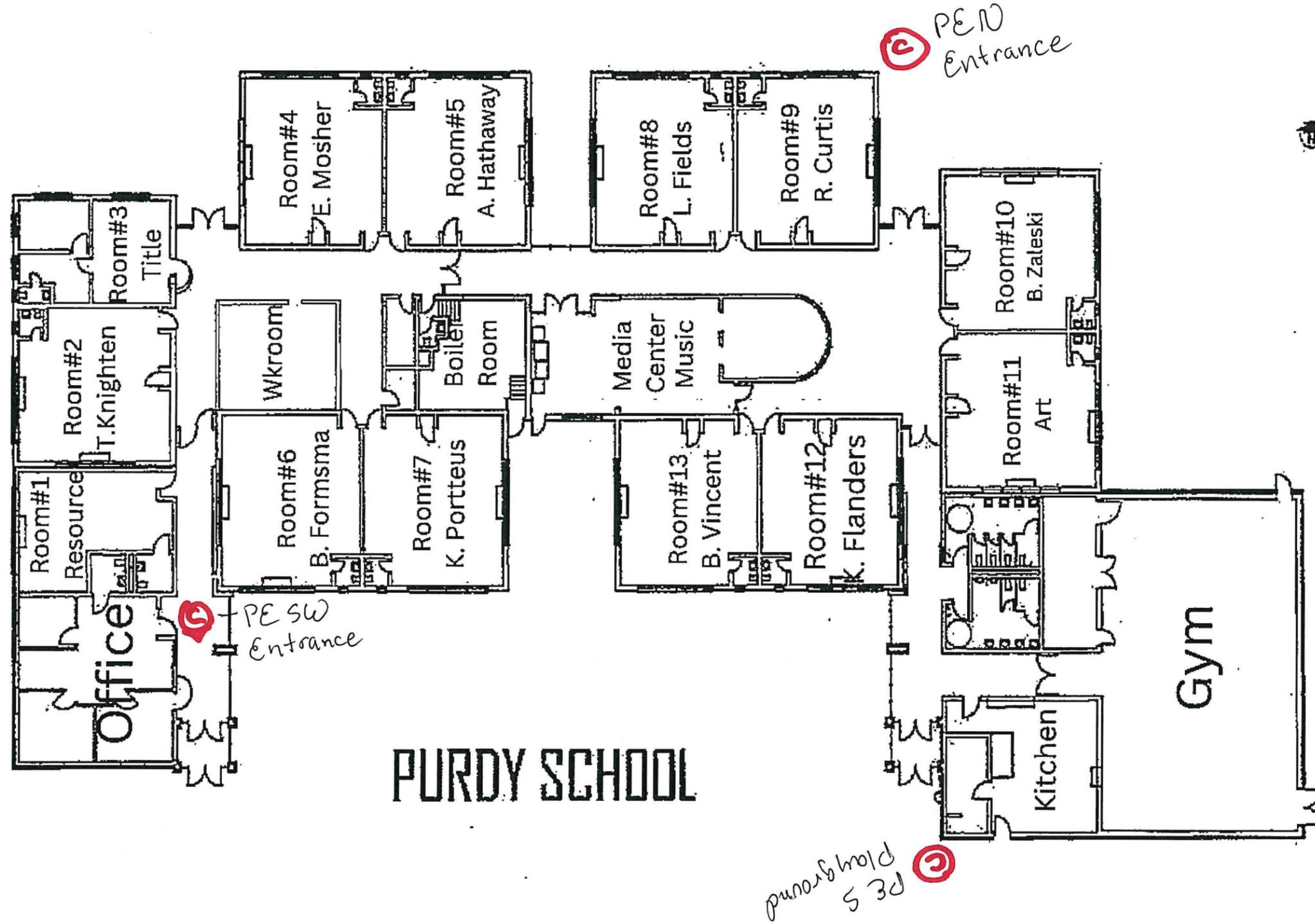
NC5

NORTH PENNY
2018-19

NC1 = NE E Entrance 90
NC2 = NE N Office 89
NC3 = NE S Entrance 87
NC4 = NE S Hallway 88
NC5 = NE SW Parking 1, 2, 3, 4

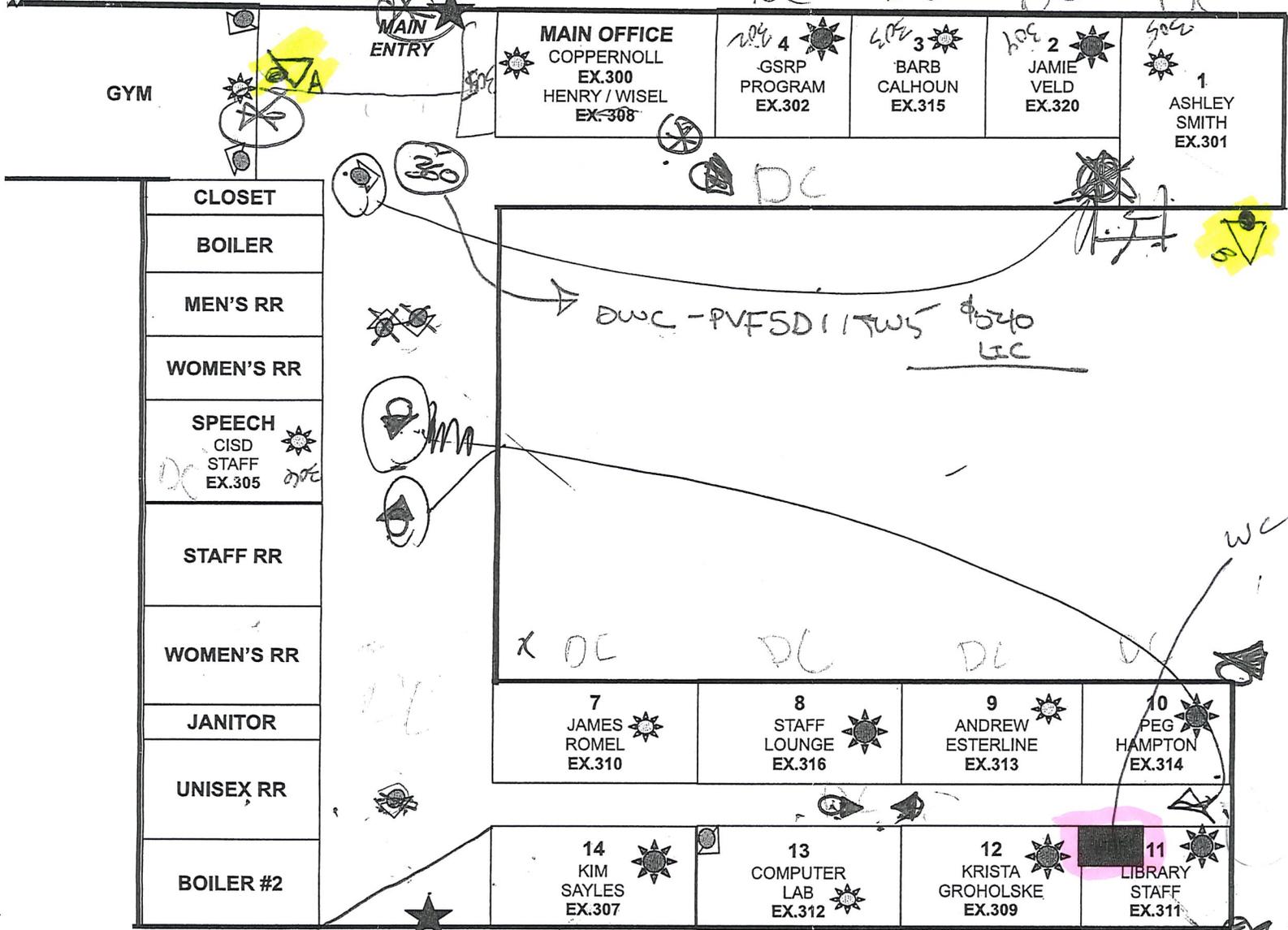


MASTER/CODE PLAN



Appendix E - Existing Owner Documentation

DROP OFF



**TEKONSHA
ELEMENTARY**
PHONE/AP/CAMERA MAP
Last Updated: Aug 2019

- MAP KEY**
- ACCESS POINT (WiFi)
 - PROJECTED ACCESS POINT (WiFi)
 - CAMERA W/DIRECTION
 - PTZ SECURITY CAMERA
 - NETWORK VIDEO & KEYCARD/FOB READER
 - KEYCARD/FOB READER

360 - 1
180 - 2

DWC - PVFSDI/TWS 632 + LLC
AKIS 3007 479⁰⁰

