

# **Surveillance Camera Upgrade Project**

# Request for Proposal And Response Document

Company Response for:	
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March 22, 2019

PLEASE NOTE: MANDATORY MEETING ANNOUNCEMENT ON PAGE 4

THIS IS A REQUIRED MEETING FOR ALL WHO SUBMIT PROPOSALS

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March 22, 2019

Dear Vendor:

Freeport School District #145 invites you to submit a proposal for:

# Freeport School District #145 Video Surveillance Camera Upgrade Project

The enclosed proposal forms **<u>must</u>** be used in submitting a proposal. The proposal must be addressed as follows:

# Freeport School District 145 Business Office Video Surveillance Camera Upgrade Project 501 E South St Freeport, Illinois 61032

Sealed proposals will be received until - 1:00 PM CDT, Friday, April 19, 2019, at which time they will be publicly opened and read.

The required Contractor's Certification forms must be completed and returned with the proposal.

The School Board intends to award the contract at the May 2019 regular board meeting. The School Board may make such investigations as deemed necessary to determine the ability of the vendor to perform the work, and the vendor shall furnish to the School all such information for this purpose as the School may request. The School reserves the right to reject any or all proposals if the evidence submitted by, or investigation of, such vendor(s) fails to satisfy the School District that the vendor is properly qualified to carry out the obligations of the contract and to complete work contemplated therein. Freeport School District further reserves the right to waive any minor irregularities or minor defects in the proposal, which do not affect the price nor constitute some type of substitution for a designated item and to accept the proposal, which is in the best interest of the School. Conditional proposals will not be accepted. Strikeouts or addition of conditions or provisions or insertion of substitutes shall be a reason for rejecting a proposal without any specification of a reason for the rejection. Any request for information shall be made to Tom Elzen, Director of Information Technology, by Email, but the response may not be used as a condition to any proposal being submitted.

Sincerely,

Tom Elzen
Director of Information Technology

# **PUBLIC NOTICE**

# **NOTICE TO VENDORS**

Freeport School District #145 is accepting proposals for:

Video Surveillance Camera Upgrade Project

Sealed proposals will be accepted until 1:00 PM CDT, Friday, April 19, 2019, at the Freeport School District Administrative Offices, at which time they will be publicly opened and read in the Board Room

Proposal specifications will be available on Friday, March 22, 2019, after 2:00 PM. RFP specifications will be available through our website at:

http://www.fsd145.org/business.

To obtain RFP specifications, please follow these instructions:

- Go to: http://www.fsd145.org/business
- Click on RFP/RFQ/Bid area of the Business and Finance page
- Download the RFP in PDF format
- Download W-9 Form from <a href="http://www.irs.gov/pub/irs-pdf/fw9.pdf">http://www.irs.gov/pub/irs-pdf/fw9.pdf</a> and complete
- Submit with your response

**Note:** A mandatory meeting for all vendors intending to bid on the **Video Surveillance Camera Upgrade Project** for Freeport School District is scheduled for March 29, 1:00 p.m., at the Technology Building, 721 W Empire Street, Freeport IL. As a component of this meeting, walk-through of each facility or representative component of each building will be completed to provide bidders the opportunity to view each installation environment.

Direct any questions to Tom Elzen, Director of Information Technology at tom.elzen@fsd145.org.

# Freeport School District Video Surveillance Project

**TIMELINE - AS OF 3/8/2019** 

ACTION	DATE	TIME	LOCATION
LEGAL AD	3/22/2019		
SPECIFICATIONS RELEASED	3/22/2019	2:00 PM	Email and Posted
PRE-PROPOSAL VENDOR MEETING	3/29/2019	1:00 PM	Technology Building 721 W Empire Street
VENDOR RFP QUESTIONS DEADLINE	4/5/2019	4:00 PM	
RFP QUESTIONS RESPONSE PROVIDED	4/10/2019	1:00 PM	BUSINESS OFFICE
PROPOSALS DUE/OPENING	4/19/2019	1:00PM	BOARD ROOM
PROPOSAL EVALUATION	4/19 to 4/26/2019		
BOE APPROVAL	5/7/2019		BOARD ROOM
CONTRACT FINALIZATION	5/7 to 5/21/2019		BUSINESS OFFICE
CONTRACT FINALIZATION	3// 10 3/21/2019		BUSINESS OFFICE
PROJECT START-KICK OFF MEETING	5/27/ 2019	10 AM	TECHNOLOGY DEPT.
PROJECT COMPLETION	9/9/2019		

#### **INSTRUCTIONS TO VENDORS**

# 1. **GENERAL**

- a. The proposal shall be hardcopy, signed and submitted in an envelope properly marked with the title of the proposal, and date and time of opening. Unsigned proposals will be rejected. **Note, this document is your response.**
- b. Seal and deliver the proposal to the FSD145 Business Office on or before the time scheduled for the opening. Late proposals will not be opened nor considered.
- c. All proposals shall be made using the forms response areas included in this RFP document.
- d. The School Board is not subject to Federal Excise Tax or Illinois Retailers Occupational Tax.
- e. Prices quoted shall include all charges for packing, transportation and delivery to the locations designated on the proposal specification and installation as called for in the RFP specifications.
- f. Correspondence shall be addressed to the Director of Technology, tom.elzen@fsd145.org.
- g. Proposals are available for inspection in the Administration office by appointment for 10 days after the date of the award of an order.
- h. Oral, telephonic, telegraphic, facsimile or electronically transmitted proposals will not be accepted.

#### 2. ERRORS AND OMISSIONS

All proposals shall be submitted with each space properly completed. The special attention of vendors is directed to the policy that no claim for relief because of errors or omissions in the proposal will be considered, and vendors will be held strictly to the proposals as submitted. Should a vendor find any claimed discrepancies in, or omissions from, any of the documents, or be in doubt as to their meanings, vendor shall advise the purchasing official first orally, followed by written (FAX, Email attachment or letter) with specification of the claimed problems which must be received during regular working hours at least 10 days before the date set for proposal opening so that a written notification can be prepared by any purchasing official, who will issue the necessary clarifications to all prospective vendors by means of addenda.

#### 3. FIRM PROPOSAL

All proposals will be firm for a period of sixty (60) days from the date established for the opening of proposals.

## 4. WITHDRAWAL OF PROPOSALS

Proposals may be withdrawn by letter, or telegram, or fax received by the School District or in person prior to the time and date established for the opening of proposals.

# 5. INVESTIGATION OF VENDORS

- a. The purchasing official will make such investigation as is necessary to determine the ability of the vendor to fulfill RFP requirements. The vendor shall furnish such information as may be requested and shall be prepared to show completed installations of equipment, types of service or supplies like those included in the proposal.
- b. The School District reserves the right to reject any proposal if it is determined that the vendor is not properly qualified to carry out the obligations of the contract. The School Board reserves the right to reject any or all proposals, to waive irregularities and to accept that proposal which is in the best interest of the institution. Any such decision shall be considered final.

# 6. VENDOR APPLICATION AND W-9 FORM

The Freeport School District requires that a current W-9 form be included with your proposal. This form can be found at http://www.irs.gov/pub/irs-pdf/fw9.pdf. Submit the first page of the form with a signature attached to this document with your response.

## 7. COMPLIANCE WITH LEGISLATION

It shall be mandatory upon the contractor(s) to whom the contract is awarded and upon any subcontractor thereof to pay to all laborers, workmen and mechanics employed by them not less than the general prevailing rate of wages in the locality for each craft or type of workman or mechanic needed to perform such work and the general prevailing rate for legal holiday and overtime work as ascertained by the Department of Labor. Vendors are required to increase wages as necessary during the term of this contract to keep current with prevailing wage rates. No changes will be allowed in the amount of this contract as additional compensation for such changes.

# 8. SIGNATURE CONSTITUTES ACCEPTANCE

The signing of these proposal forms shall be construed as acceptance of all provisions contained herein.

#### 9. CONTRACTS

The successful vendor will be required to enter a contract incorporating the terms and conditions of this RFP.

# 10. EQUAL EMPLOYMENT OPPORTUNITY

During the performance of this Contract (whether or not federal funds are involved) the contractor agrees as follows:

- a. The contractor will not unlawfully discriminate against any employee or applicant for employment because of age, race, creed, color, sex, religion, ancestry, marital status, handicap, military status, unfavorable discharge from military service or national origin, as those terms are contained in the Illinois Human Rights Act (775ILCS 5/1-10 et.seq., hereinafter "unlawful discrimination". The contractor will take affirmative action to ensure the applicants are employed, and that employees are treated equally during employment, without unlawful discrimination. Such action shall include but not be limited to the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- b. The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without unlawful discrimination.

# 11. COMPLETION TIMELINE

Upon selection, the vendor must establish a project timeline and project key project milestones required to meet project commitments. The milestones addressed must include:

- 1. Project implementation start date
- 2. Project completion date
- 3. Key components and projected delivery schedule for those components
- 4. Key implementation milestones and completion projections for those milestones.
- 5. Key software and integration test point dates

# 12. EVALUATIONS

The School Board reserves the right to reject any and all proposals, to waive any technicalities in the proposal process and to award each item to a different vendor or all items to a single vendor unless otherwise noted on proposal request, and to determine whether in the opinion of the School Board: (1) an early delivery date is entitled to more consideration than price, (2) an earlier delivery date is to be disregarded because of the reputation of the vendor for not meeting delivery dates, (3) a vendor has not submitted a responsible proposal and should be disregarded. The School Board will authorize the release of purchase orders upon acceptance of proposals. In the event of pricing errors, the unit count(s) listed will prevail and be considered accurate.

# 13. EXAMINATION OF DOCUMENTS AND SITE

Before submitting a proposal for work on any project, each vendor shall carefully examine the project site and the contract documents, fully inform itself of existing conditions and limitations of the project sites, rely entirely upon their own judgment in making the proposal, and include in its own proposal all sums sufficient to provide all work required by the contract documents. After the opening of proposals, no additional allowance will be made for changes in project scope and/or price due to work, which would have been apparent, by examination of the documents and sites. By submitting a proposal, each vendor shall be held to represent that the vendor has made the examination in complete detail and has determined beyond doubt that the documents and existing conditions are sufficient, adequate and satisfactory for completion of the work.

# 14. PERFORMANCE BONDS - LABOR AND MATERIAL PAYMENT BOND REQUIREMENTS

Within ten days of the date of the Notice of Award, the successful contractor shall enter a formal contract with the School Board and shall provide a Performance Bond and a Labor and Material Payment Bond, each in the full amount of the contract. Each bond shall be in accordance with AIA Document A311. The contractor shall pay the cost of premiums for said bonds. The bonds shall be signed and sealed by an authorized representative of the bonding company and authorized officer or representative of the contractor, and a certificate of the authority of those signing the bonds, if not officers, shall be attached thereto.

The Performance Bond and the Labor and Material Payment Bond shall guarantee the performance of the duties placed on the contractor by the Prevailing Wage Act, as well as all other duties undertaken pursuant to the contract with the School Board, and shall indemnify the School Board from any liability or loss resulting to the School Board from any failure of the contractor fully to perform each or all of said duties.

The Performance Bond and the Labor and Material Payment Bond herein provided shall be placed with a Surety company or companies having a policy holder's rating not lower than "A" and a financial rating not lower than "AAA" in Best's Insurance Guide (current edition).

# 15. PROPOSAL SECURITY

A Bid Bond is not required for this project.

## 16. SCOPE OF WORK

See Attachment 8 for the Scope of Work and Surveillance Camera Requirements for upgrade of the existing video surveillance System.

See Attachment 9 for the Scope of Work and Backhaul Network System required for transport of camera data to local aggregation points and centralized storage systems.

See Attachment 10 for the Scope of Work and Video Management System requirements.

# 17. INSURANCE REQUIREMENTS

The contractor shall provide and maintain insurance in the amounts outlined below with companies acceptable to the School Board:

#### MINIMUM INSURANCE REQUIREMENTS

General Liability	General Aggregate	\$2,000,000
	Products-Comp/OP Aggregate	2,000,000
	Personal Injury	1,000,000
	Each Occurrence	1,000,000
	Fire Damage (Any one fire)	50,000
	Medical Exp. (Any one person)	5,000
Excess Liability	Each Occurrence	2,000,000
	Aggregate	2,000,000
Automobile Liability	Bodily Injury (each occurrence)	1,000,000
	Property Damage (each	1,000,000
	occurrence)	
Worker's Compensation	Statutory Limits	
	Each Accident	500,000
	Disease-Policy Limit	500,000
	Disease-Each employee	500,000

All such insurance shall not be cancelable without thirty (30) days prior written notice being given to the School District.

With respect to the insurance required herein, the contractor shall provide such insurance naming the School, the School Board and its members individually, and its employees and agents as **additional named insured**. The contractor shall also purchase and maintain such insurance as will protect the institution from and against all claims, damages, loss and expenses, including attorney's fees arising out of or resulting from the performance of the work, provided that any such claim, damage, loss or expense, (1) is attributable to bodily injury to or destruction of tangible property (other than the work itself), including the loss of use resulting there from, and (2) is caused in whole or in part by a negligent act or omission of the contractor, subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts they may be liable, regardless of whether or not it is caused in part by a party to whom insurance is afforded pursuant to this paragraph.

It is MANDATORY within ten (10) days after the proposal award, that the Certificate(s) of Insurance shall be submitted to the insurance agent for the School District.

## 18. TOTAL PRICE FOR ALL ITEMS PROPOSED

A total proposal dollar amount must be entered in the appropriate section of the proposal form before signing and submitting the proposal.

# 19. FAIR MARKET VALUE LEASE AND DOLLAR BUYOUT LEASE OPTIONS

The Freeport School District is seeking options for both Fair-Market Value lease and Dollar Buyout lease quotations for the provisioning and deployment of the surveillance camera project. The Freeport School District would consider 48 month or 60-month, Dollar Buyout lease-purchase and 48 month or 60-month Fair Market Value Lease quotations. Yearly lease payments are preferred. If options are offered for either FMV and Dollar Buyout leases, please provide your lease rate factor, interest rate, yearly payment and total lease costs. Your proposal should include your firm's required lease forms or other Lessor documentation, and the "Freeport School District Required Forms" enclosed with your Proposal packet.

# 20. HOLD HARMLESS AND INDEMNIFICATION

The contractor shall assume all liability for, and shall protect, defend, indemnify and hold harmless, the School, School Board and its members individually, their officers, employees, servants and agents, from and against all claims, actions suits, judgments, costs, losses, expenses and liabilities of whatsoever kind or nature including reasonable legal fees incurred by owner arising out of:

- A. Any infringement (actual or claimed) of any patents, copyrights or trade names by reason of any work performed or to be performed by the contractor under this contract or by reason of anything to be supplied by the contractor pursuant to this contract.
- B. Bodily injury, including death, to any person or persons (including contractor's officers, employees, agents and servants) or damage to or destruction of any property, including the loss of use thereof:
  - -Caused in whole or in part by an act, error or omissions by the contractor or any subcontractor or anyone directly or indirectly employed by any of them regardless of whether or not it is caused in part by a party to be indemnified hereunder.
  - -Arising directly or indirectly out of the presence of any person in or about any part of the project site or the streets, sidewalks and property adjacent thereto.
  - -Arising directly or indirectly out of the use, misuse or failure of any machinery or equipment used directly or indirectly in the performance of this contract.

## **21.LATE PROPOSALS**

Proposals received after the time specified in the Request for Proposal will not be opened or considered. The method of transmittal of the proposal is at the vendor's risk of untimely receipt by the School Board. The use of School Board equipment for transmission of proposals is prohibited.

# 22. PAYMENT

Payment to be made within 45 days of the project acceptance. Partial payment may be acceptable at the time of the PO to cover the cost of materials. Ten percent of the project shall be retained for 60 days after the final acceptance date.

# 23. MANUALS

For equipment, the successful vendor shall supply, at no cost to the School District, a detailed service manual, parts list, and list of service locations.

## 24. COMPLETION OF WORK

Product and installation must be completed as-soon-as-possible.

# 25. PERSONNEL

If any person employed on the work site were, in the opinion of the School District, intemperate, disorderly, incompetent, willfully negligent or dishonest on the performance of his/her duties, he or she shall be directed by the contractor to cease work and vacate the job site immediately.

# 26. <u>SEXUAL HARASSMENT</u>

775 ILCS 5/2-105, Human Rights Act Requirement – Written Sexual Harassment Policies contained as follows: Vendors shall have written sexual harassment policies that shall include, at a minimum, the following information: (i) the illegality of sexual harassment; (ii) the definition of sexual harassment under State law; (iii) a description of sexual harassment, utilizing examples; (iv) the vendor's internal complaint process including penalties; (v) the legal recourse, investigative and complaint process available through the Department and the Commission; (vi) directions on how to contact the Department and Commission; and (vii) protection against retaliation as provided by Section 6-101 of this Act. A copy of the policies shall be provided to the Department upon request.

# 27. QUALIFICATIONS

Vendor must be an authorized dealer and installer of products vendor is proposing. Vendor must supply a list of references of like products and installations. Reference sheet is attached.

#### 28. CANCELLATION

The Freeport School District reserves the right to cancel this contract at any time for reasons of unsatisfactory services.

# 29. SPECIFICATIONS

All material provided under this contract must be equivalent, meet or exceed the specifications stated in this document.

# **30. ADDITIONAL INFORMATION**

Contact, Director of Technology,

# 31. <u>SELECTION CRITERIA</u>

Selection will be based on the following:

- 1. Price 50%,
- 2. Quality of Proposed Solution 25%,
- 3. Quality of References 15%,
- 4. Correct completion of this proposal document is 10%.

# **REFERENCES**

List below the last three (3) businesses or other organizations for which you have provided comparable services.

1.	ORGANIZATION:
	ADDRESS:
	CITY, STATE, and ZIP CODE:
	TELEPHONE NUMBER:
	CONTACT PERSON:
	DATE OF SERVICES:
	DOLLAR AMOUNT OF THE JOB:
2.	ORGANIZATION:
	ADDRESS:
	CITY, STATE, and ZIP CODE:
	TELEPHONE NUMBER:
	CONTACT PERSON:
	DATE OF SERVICES:
	DOLLAR AMOUNT OF THE JOB:

# **REFERENCES (CONTINUED)**

3.	ORGANIZATION:ADDRESS:
	CITY, STATE, and ZIP CODE:
	TELEPHONE NUMBER:
	CONTACT PERSON:
	DATE OF SERVICES:
	DOLLAR AMOUNT OF THE JOB:
OFFE	ROR'S NAME:
SIGNA	TURE:
DATE:	
COMMEN	TS

# **CERTIFICATE OF VENDOR ELIGIBILITY**

720 ILCS 5/33E-11 requires that all vendors and contractors bidding for public agencies in the State of Illinois certify that they are not barred from bidding on public contracts for bid rigging or bid rotation.

_		•	nitted with bidder's bid proposal. I	FAILURE
Freeport School I certifies that said of	District, 501 E Sout	th St, Freepored from biddi	For the work for the	ty, Illinois
		Firm: _		
		Ву:	(Signature)	
			(Printed Name & Title)	
SUBSCRIBED an	d SWORN TO befor	re me		
This	day of		, 2019	
NO	TARY PUBLIC			

# CERTIFICATE OF COMPLIANCE WITH ILLINOIS DRUG-FREE WORKPLACE ACT

section 3 of the <i>Illinois Drug-Free Workpla</i> free workplace for all employees engaged in complying with the requirements of the <i>Illin</i>	more employees, does hereby certify pursuant to ace Act (30 ILCS 580/3) that it shall provide a drugn the performance of work under the contract by nois Drug-Free Workplace Act and, further certifies tract by reason of debarment for a violation of the
	Firm:
	By:
	(Printed Name & Title)
SUBSCRIBED and SWORN TO before me	<del>)</del>
This day of	, 2019
NOTARY PUBLIC	-
NOTARTIODLIC	

# CERTIFICATE REGARDING SEXUAL HARASSMENT POLICY

	y certify pursuant to Section 2-105 of the <i>Illinois</i>			
Human Rights Act (775 ILCS 5/2-105) that it	- · ·			
<del>_</del>	includes, at a minimum, the following information: (i) the illegality of sexual harassment; (ii)			
	te law; (iii) a description of sexual harassment,			
	process including penalties; (v) the legal recourse,			
	e through the Department of Human Rights and			
	n how to contact the Department of Human Rights			
and Human Rights Commission; and (vii) pro	dection against retaination.			
	Firm:			
	By:			
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	(Printed Name & Title)			
GLIDG GDJDDD - LGWADNI TO L A				
SUBSCRIBED and SWORN TO before me				
This day of	2019			
uay or				
NOTARY PUBLIC				

# CERTIFICATE REGARDING EQUAL EMPLOYMENT OPPORTUNITY

Human Rights Act that is in compl	et (775 ILCS 5/2-105) tl	hat it has and condi	rtify pursuant to Section 2-10: a written equal employment op tions of the Equal Employme	portunity policy
		Firm	:	_
		Ву: _	(Signature)	
			(Printed Name & Title)	
SUBSCRIBED a	nd SWORN TO before	me		
This	day of		, 2019	
N	OTARY PUBLIC			

# CERTIFICATE REGARDING EMPLOYMENT OF ILLINOIS WORKERS ON PUBLIC WORKS

	agrees if at the ti	me the Agreement is e	executed, or if during the term	of
			s defined in the Employment	
			q., as two consecutive months	
			es to employ Illinois laborers	
			Works Act. An "Illinois labore	
		d in Illinois for at leas	t thirty (30) days and intends	to
become or rema	in an Illinois resident.			
		Firm		
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			(Printed Name & Title)	
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SUBSCRIBED	and SWORN TO before r	ne		
This	day of	, 2019		
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	NOTARY PUBLIC	<u> </u>		
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# **NON-COLLUSION AFFIDAVIT**

AFFIDAVIT: "I (we) hereby certify and affirm that my (our) proposal was prepared independently for this project and that it contains no fees or amounts other than that for the legitimate execution of this work as specified and that it includes no understanding or agreements in restraint of trade."

The following affidavit must be signed and a DO SO MAY RESULT IN DISQUALIFICA	* *	AILURE TO
, as part of its pr School District, 501 E South St, Freeport, Ill	linois 61032 certifies that said Contractor	is not barred
from bidding on the aforementioned contract Affidavit.	et as a result of a violation of the above No	on-Collusion
	Firm:	
	By:(Signature)	
	(Printed Name & Title)	
SUBSCRIBED and SWORN TO before me	;	
This day of	, 2019	
NOTARY PUBLIC		

#### PRIMARY CAMERA SYSTEM SCOPE OF WORK

#### Summary

The Freeport School District is currently operating a video surveillance system using analog cameras, baseband cabling, and open source video management system. The Freeport School District is seeking to upgrade their existing cameras to 5Mpxl, 2560x1920 pixels resolution, and is requesting proposals to provide cameras, cabling, and video management, to replace the surveillance camera system in use.

The Freeport School District is requesting proposals to upgrade the surveillance camera system for use by the School through:

- 1. Replacement of 96 existing cameras, the addition of 59 cameras for a total deployment of 155 HD IP cameras at high school facilities.
- 2. Provisioning of a video management system, including applications, video processing, and storage servers, required to fully support HD image resolution, video retention requirements and policy-based administrative oversight for all cameras.
- 3. Implementation of connectivity to provide transport of camera data from each camera location, back to the IDF, MDF and assigned POE capable switches for transmission to central video processing, storage array and management stations.
- 4. De-installation and mining of existing cameras, and camera cabling, coax, and other wiring supporting old devices.
- 5. Three (3) year Extended Support and Maintenance Plan
- 6. OPTION 1: Provide and provision, CISCO POE+ (Power-over-Ethernet) switches to serve all camera locations.
- 7. OPTION 2: Provide and provision Dell video server hardware to support at least 160 cameras (Current camera requirement plus 10%)
- 8. OPTION 3: Provide surveillance of Stadium stands for both east side (visitor) and west side (home) bleachers. Option must include wireless or transport methodology to route from structures on the east side of the field to the high school facility to provide data connectivity for the cameras.
- 9. OPTION 4: Provide surveillance of sidewalk area east of the stadium and west of Locust Street. Option must include wireless or transport methodology to route from structures on the east side of the stadium to the high school facility to provide data connectivity for the cameras.

The upgrade of the Freeport School District Video Surveillance system will provide camera upgrades and additional cameras to monitor high school facility hallways, entrances and common areas. These facilities include:

- 1. Freeport High School
- 2. Freeport Alternative High School
- 3. Banks-Bergagna Education Center

The 155 surveillance camera locations are listed in Exhibit 1 of this RFP document.

# **Indoor Camera Specifications**

#### 1. General

The camera shall:

- a. Be designed to provide streams up to 2560x1920 pixels resolution at up to 30 frames per second using H.265 encoding, and provide video streams in HDTV 1080p (1920x1080) at up to 30 frames per second using H.265 encoding.
- b. Be equipped with Day/Night functionality.
- c. Requested lens motorized varifocal, 3 12mm, F1.2
- d. Be manufactured with a vandal-resistant casing or dome and support operation between -20 to +55C (-40 to +131F)

#### 2. Hardware

- a. The camera shall:
  - a. Use a high-quality IR-sensitive progressive scan megapixel sensor.
  - b. Be equipped with a removable IR-cut filter, providing so-called day/night (color/B&W) functionality.
  - c. Be equipped with a high-quality lens, provide automated iris functionality.
  - d. Provide pictures down to 0.2 lux while in day mode/color (with IR-filter in use) and down to 0.04 lux while in night mode/B&W F1.2 (with IR-filter removed).
  - e. As an option, the camera may support memory expansion by providing an available SD/SDHC card slot.

#### 3. Video

#### a. Resolution

- a. The camera shall be able to deliver full resolution video (2560x1920 pixels) at 15 frames per second.
- b. The camera shall be able to deliver full frame rate HDTV 1080p video over IP networks. Supported video resolutions shall include:
  - 1. 1920x1080 (HDTV 1080p)
  - 2. 2560x1920
  - 3. The camera shall be able to provide both landscape format (4:3 and 16:9 aspect ratio) as well as corridor format (3:4 and 9:16 aspect ratio).

# b. Encoding

- a. The camera shall:
  - 1. Support Motion JPEG encoding in a selectable range from 1 up to 30 frames per second in all resolutions up to 2560x1920 pixels.
  - 2. Support Motion JPEG encoding in up to 30 frames per second in HDTV 1080p (1920x1080 resolution).
  - 3. Support Baseline Profile H.265 encoding with motion estimation in a selectable range from 1 up to 30 frames per second in all resolutions up to 2560x1920 pixels.
  - 4. Support Baseline Profile H.265 encoding with motion estimation in up to 30 frames per second in HDTV 1080p (1920x1080 resolution).
  - 5. Support Main Profile H.265 encoding with motion estimation and context adaptive binary arithmetic coding (CABAC) in a selectable range from 1 up to 30 frames per second in all resolutions up to 2560x1920 pixels.
  - 6. Support Main Profile H.265 encoding with motion estimation and context-adaptive binary arithmetic coding (CABAC) in up to 30 frames per second in HDTV 1080p (1920x1080 resolution).
  - 7. Be capable of providing independently configured simultaneous H.265 and Motion JPEG streams.
  - 8. Support both Constant Bit Rate (CBR) and Variable Bit Rate (VBR) in H.265.

#### c. Image control

a. The camera shall:

- 1. Be equipped with an electronic shutter operating in the range 1/6 to 1/28 second, and manually defined exposure zones.
- 2. Be equipped with Wide Dynamic Range functionality.

#### 4. Functionality

# Event functionality

- a. The camera shall be equipped with an integrated event functionality, which can be triggered by:
  - 1. External input
  - 2. Audio Detection
- b. Response to triggers shall include:
  - 1. Activating external output
  - 2. Recording to local storage if provisioned
- c. The camera shall provide memory for pre & post alarm recordings.
- d. Event functionality shall be configurable via a web interface.

# b. Multi-view streaming

a. The camera shall allow for at least 8 individual and selectable areas of the image to be cropped out and made available as individual video streams.

#### 5. Interfaces

- a. Inputs/Outputs
  - a. The camera shall be equipped with one (alarm) input and one output, accessible via terminal block. This input shall be configurable to respond to normally open (NO) or normally closed (NC) dry contacts.
  - b. Audio -The camera shall be equipped with one 3.5 mm jack for line/mic input and one 3.5 mm jack for line output.
  - c. Optional: Local recording capabilities and/or slots for local storage capacity can be included as an option.

#### 6. Enclosure

The camera shall include the following:

- a. Level 1 Vandal-resistant casing with clear transparent cover/dome
- b. IP66-rating
- c. NEMA 4X-rating

# **Outdoor Camera Specifications**

Fixed Day and Night Full HD Color IP Camera

The device must meet the specifications below:

#### 1. General

The camera shall:

- a. Be designed to provide streams up to 2560x1920 pixels resolution at up to 15 frames per second using H.265 or Motion JPEG, and provide video streams in HDTV 1080p (1920x1080) at up to 30 frames per second using H.265 or Motion JPEG.
- b. Be equipped with Day/Night functionality.
- c. Requested lens, varifocal, 3 20mm, F1.2
- d. Be manufactured with an all-metal body and a vandal-resistant casing and support operation between -40 to +55C (-40 to +131F)
- e. IP66 and NEMA 4X-rated.

#### 2. Hardware

- a. The camera shall:
  - i. Be provided with a sun shield.
  - ii. Use a high-quality IR-sensitive progressive scan megapixel sensor.
  - iii. Be equipped with a removable IR-cut filter, providing day/night (color/B&W) functionality.
  - iv. Be equipped with a high-quality varifocal lens, provide automated iris functionality with P-Iris control, and provide remote zoom and focus functionality.
  - v. Provide pictures down to 0.2 lux while in day mode/color (with IR-filter in use) and down to 0.04 lux while in night mode/B&W F1.2 (with IR-filter removed).

## 3. Video

#### a. Resolution

- i. The camera shall be able to deliver full resolution video (2560x1920 pixels) at 15 frames per second.
- ii. The camera shall be able to deliver full frame rate HDTV 1080p video over IP networks. iii. Supported video resolutions shall include:
  - 1. 1920x1080 (HDTV 1080p)
  - 2. 2560x1920

3. The camera shall be able to provide landscape format (16:9 aspect ratio)

# b. Encoding

#### i. The camera shall:

- 1. Support Motion JPEG encoding in a selectable range from 1 up to 15 frames per second in all resolutions up to 2560x1920 pixels.
- 2. Support Motion JPEG encoding in up to 30 frames per second in HDTV 1080p (1920x1080 resolution).
- 3. Support Baseline Profile H.265 encoding with motion estimation in a selectable range from 1 up to 15 frames per second in all resolutions up to 2560x1920 pixels.
- 4. Support Baseline Profile H.265 encoding with motion estimation in up to 30 frames per second in HDTV 1080p (1920x1080 resolution).
- 5. Support Main Profile H.265 encoding with motion estimation and context adaptive binary arithmetic coding (CABAC) in a selectable range from 1 up to 15 frames per second in all resolutions up to 2560x1920 pixels.
- 6. Support Main Profile H.265 encoding with motion estimation and context-adaptive binary arithmetic coding (CABAC) in up to 30 frames per second in HDTV 1080p (1920x1080 resolution).
- 7. Be capable to provide independently configured simultaneous H.265 and Motion JPEG streams.
- 8. Support both Constant Bit Rate (CBR) and Variable Bit Rate (VBR) in H.264.

#### c. Image control

- i. The camera shall:
  - 1. Be equipped with an electronic shutter operating in the range 1/6 to 1/28 second, and manually defined exposure zones.
  - 2. Be equipped with Wide Dynamic Range functionality.

#### 4. Functionality

#### Event functionality

- i. The camera shall be equipped with an integrated event functionality, which can be trigged by:
  - 1. External input
- ii. Response to triggers shall include:
  - 1. Activating external output

# 2. Recording to local storage

- iii. The camera shall provide memory for pre & post alarm recordings.
- iv. Event functionality shall be configurable via a web interface.

# b. Multi-view streaming

i. The camera shall allow for at least 8 individual and selectable areas of the image to be cropped out and made available as individual video streams.

#### 5. Interfaces

# a. Inputs/Outputs

i. The camera shall be equipped with one (alarm) input and one output, accessible via a removable terminal block. This input shall be configurable to respond to normally open (NO) or normally closed (NC) dry contacts.

#### 6. Enclosure

Outdoor cameras shall include the following:

- i. All-metal body providing encapsulated electronics
- ii. Hardened or vandal-resistant casing
- iii. IP66 standard rated
- iv. NEMA 4X rated
- v. Impact resistance according to IK10 standard
- vi. Thermostat, heater and fan inside the enclosure
- vii. Dehumidifying membrane/methodology
- viii. Removable weather shield

#### CAMERA HORIZONTAL CABLING SCOPE OF WORK

The horizontal cabling required to support the Surveillance Camera Project will be based on UTP Cat 5e or Cat 6a (Type 2) network cabling supporting POE+ capable Ethernet switches and devices. Each run will be terminated at the device cable termination end in an RJ45 modular jack and at the Wiring Closet IDF/MDF end in an RJ45 Modular Patch Panel port. Vendor shall provide RJ-45 termination patch panel meeting Cat 5e or greater standard. The District will provide rack space for each IDF. Bidder is responsible for providing evidence that all materials and installation practices will meet or exceed BICSI specifications for CAT5e (minimum) or greater compliance for materials and installation.

The locations detailed for camera placement, with a few exceptions, do not have existing UTP cabling or cable path. Cameras to be replaced are moving from coaxial analog connectivity to IP based connectivity. Freeport School District is requesting that vendors provide a proposal with pricing to establish wire pathways and implement a UTP based connection from camera to IDF patch panel for each camera install.

#### **Building Cabling Environment**

Each of the Freeport School District facilities represents a unique cable installation environment.

#### 1. Freeport High School

- a. The Freeport High School has a metal ceiling grid installed throughout the facility. While initially installed with anchor clips holding individual tiles in place, the majority of the anchors have been removed to facilitate more efficient access to the drop ceiling space.
- b. Existing cameras are anchored to ceiling tiles. Replacement camera locations must be verified to ensure new camera is stable and vandal resistant.
- c. Drop ceiling space is not considered plenum air space.

## 2. Freeport Alternative High School

- a. The Alternative High School is constructed with standard drop ceiling tiles with cameras installed on grid structures.
- b. Replacement camera locations must be verified to ensure new camera install is stable and vandal resistant.
- c. Drop ceiling is not considered plenum air space.

## 3. Banks-Bergagna Education Center

a. The Banks-Bergagna Education Center was formerly a church. Walls are hard surface and ceiling is metal grid. There is no ability to route cabling in walls.

Ceiling grid may be removed to route camera cabling. New camera locations must either be attached to ceiling grid or have anchors set into the concrete for backbox and/or mounting plate. Wall mounted devices must be served with surface mount wireway, wiremold, or closed or covered wire path providing support for new cabling. No exposed cabling in wire path will be permitted.

# **Cabling Removal and Mining**

For each existing camera location replaced as a part of this upgrade project, the vendor is required to mine and remove existing cabling and coax to that location.

#### POE+ NETWORK SWITCH INFRASTRUCTURE SCOPE OF WORK

Pricing is requested for CISCO based POE+ (Power over Ethernet +) capable switches for each IDF to connect all cameras and devices for the surveillance camera upgrade. Pricing for this scope of work is listed as an option in the pricing page.

Include port counts to address all POE+ cameras and devices and provide a minimum of 10% additional/open ports at each IDF to support future POE+ device installation.

#### **Network Switch Requirements**

#### 1. Hardware

- a. CISCO® based hardware, rack-mounted 10/100/1000 POE Ethernet switch maximizing POE+ concurrent port utilization (100% concurrent port utilization at 30W per port desired); 300 series, 550x MPP series or 3650 series typical.
- b. Provide 802.3at type 2 (30W) per port capable across all ports.
- c. Voltage range per port, 50 to 57 V.
- d. Per port power management auto-negotiated.
- e. Camera ports, RJ-45 supporting Cat 5e/Cat 6a infrastructure
- f. SFP/uplink ports, GigE capable, supporting fiber optic connectivity for backhaul consolidation or fiber links to cameras beyond Ethernet UTP limitations.
- g. 19" Rack mountable

# 2. Supported Standards

- a. IEEE 802.3 10-BASE-T, Ethernet
- b. IEEE 802.3u 100-BASE-TX, Fast Ethernet
- c. IEEE 802.3ab 1000BASE-T, Gigabit Ethernet
- d. IEEE 802.3x Flow Control (full-duplex flow control)
- e. IEEE 802.3af Power over Ethernet (PoE)
- f. IEEE 802.3at Power over Ethernet Plus (PoE+)
- g. Optional: IEEE 802.3az Energy-Efficient Ethernet

#### 3. Security

- a. Access IEEE 802.1x Port-Based network access control protocol
- b. RADIUS users access authentication
- c. L3 / L4 Access Control List (ACL)
- d. Source IP-MAC / Port-Binding
- e. Port Security for Source MAC address entries filtering

#### 4. Management

- a. Full Web-based configuration and management capability
- b. SNMP support (Public and Private MIBs)

#### VIDEO MANAGEMENT SYSTEM SCOPE OF WORK

# **Video Management System Specification**

The video management operating parameters must meet the specifications below:

#### 1. General

The selected Video Management System (VMS) and its manufacturer shall provide the following key functions and capabilities:

- a. The system shall operate in a Microsoft Windows environment. It shall be an IT server based solution either purpose-built or VM, for the capture, processing, storage and retrieval of digital video and supporting audio, alarm, associated systems (access control, etc.), and other surveillance data.
- b. The VMS shall provide direct support of IP-based video sources and operate on stand-alone or integrated host and storage platforms from standard IT industry suppliers. This hardware independence shall allow the host and storage platforms to be sourced from the VMS manufacturer, an integrator certified by the VMS manufacturer or supplied by the customer for optional loading and certification by the VMS manufacturer at the manufacturer's facility.
- c. The VMS shall capture video, audio, alarm, associated systems and other data from a single or multiple servers.
- d. The VMS shall support all leading industry-standard compression formats including Motion JPEG, MPEG-4, H.264 and H.265.
- e. The VMS shall simultaneously handle recording, archiving, retrieving, playback and live distribution of video and audio. The software shall operate in a continuous recording mode or according to a programmed time/date schedule. Recording functions may also be triggered by events and motion detection. Video shall be captured in such a way as to provide seamless support of multiple, disparate video source technologies transparent to the user and allowing for the integration of new capture technologies as they become available.
- f. The VMS shall be capable of exporting video clips or images to CD/DVD's without third party software. All images and video file export shall include an executable player that verifies no tampering has occurred and can be played on standard PC's.
- g. The VMS shall be capable of integrated operation with other security related systems such as Access Control Systems (ACS) and Video Analytics Systems

(VAS) or applications.

- h. Video servers specified shall be capable of supporting up to 8 mega-pixel resolution per camera and up to 30 Frames per Second (FPS).
- i. VMS Server shall be capable of interfacing with MJPEG, Microsoft MPEG-4, ISO MPEG-4, H.264 and H.265 compressions.
- j. Separate, programmable event and motion detection settings shall be provided per video input.
- k. The VMS shall be compatible with IT backup software and not require a proprietary "archiving" function for management of stored video files. Compatible IT backup software shall include these features: a. Locked file support b. Ability to duplicate files and folders c. Backup without encryption and compression d. Delete original files after backup 12
- 1. The VMS shall include a built-in archiving feature for the purpose of moving recordings from their original storage volume to a different local or network-attached storage volume on an administrator-defined schedule.
- m. Edge storage integration shall allow the VMS to synchronize any recordings missing on the VMS server as a result of network outage or other event preventing communication between the camera and VMS. The synchronization of missing recordings shall occur automatically when the connection to the VMS server or camera is restored.
- n. The VMS shall provide a stable recording environment via a modular video storage and data management architecture to minimize common database corruption situations. The VMS system shall be expandable by adding additional video servers and storage
- o. The VMS shall provide the system administrator with the tools to monitor the overall system health, individual camera status, video archive usage and status plus other elements of every server in the Enterprise system.

#### SURVEILLANCE SYSTEM SERVERS

# **Server Equipment**

Bidding vendors are requested to provide the specifications for server and hardware required to support cameras and the storage requirements for the surveillance system and may propose provisioning the server and network hardware as an option in the pricing proposal.

Freeport School District 145 reserves the right to purchase equipment and software through education-based buying agreements.

Storage policy to estimate hardware requirements for video storage capacity should be based on a single copy of a minimum of 21 days, 24 hours per day, per camera provisioned.

#### WARRANTY AND MAINTENANCE SCOPE OF WORK

#### **Warranty and Maintenance**

The proposed surveillance camera system must include:

#### 1. Warranty

- a. The Surveillance Camera Upgrade Project must include a minimum of 1 year warranty period for all components of the camera, cabling and VMS.
- b. Where manufacturer warranties extend beyond 1 year, warranty periods for those components must be identified and the extended warranty period supported by the proposed maintenance plan.

#### 2. Maintenance

- a. FSD145 requires 3-years support and onsite maintenance with the option to continue annual support after the 3-year period has ended. The vendor should provide a detailed description of standard and extended support, maintenance, and the estimated response time for support requests.
- b. Proposed maintenance plans should list proposed costs for hardware replacement following the initial warranty period.

# 3. Software Updates and Releases

a. Software updates and releases must be included and supported as a component of the maintenance plan. Maintenance plans may differentiate software release criticality but must indicate planned upgrade schedule from release to implementation.

#### 4. Help Desk

- a. Vendor must identify help desk, technical support and software support capabilities available.
- b. Manufacturer support services and levels of service available to FSD145 must be identified and detailed as part of the vendor proposal.
- c. Vendor provided services, on-site support, configuration, or fault isolation capabilities augmenting manufacturer service offered should be defined and detailed in the proposal.

# ATTACHMENT 14 GENERAL REQUIREMENTS

#### **Deliverables**

The scope of work shall be written to address the following objectives:

- a. Proposals must include a listing of all services to be provided by the vendor and any services or materials that must be provided by the School.
- b. For each scope-of-work, provide an itemized quote that shows materials and labor.
- c. All work is subject to relevant FSD145 codes, regulations and inspection standards.

# **Network Equipment**

Provide the requirements and specification for the type of server(s) required and how many cameras each server can be expected to support if the number of cameras per server system is limited. The equipment choice for Freeport School District for computing hardware and servers is Dell. You may propose providing the server and network hardware. However, FSD145 reserves the right to purchase equipment and software through local buying agreements.

## **Surveillance System Security**

Considering recent events where the Internet of Things (IOT) type devices were used to create a Distributed Denial of Service attack, the network must have a design with functionality that attempts to prevent this type of cyber threat.

Please respond provide your approach to Network Security for the surveillance camera network. Highlight proposed equipment capability and features that minimize vulnerability to hacking.

In your proposal address the following:

**Warranty** – Describe manufacturer and installer warranties that are provided as part of your proposal. Describe any required maintenance the fiber system will require during the one-year warranty period.

**Repair and Maintenance services** - Maintenance responsibilities and services with related costs should be described.

**Schedule** – Provide a proposed schedule for the work describing tasks and times.

**Ownership of the infrastructure** - The proposal must indicate that the School will own all equipment and related cabling upon acceptance of the completed installation.

**Cost** - The proposal must address initial capital costs for installation, required maintenance services, and any other related costs. Total costs must be itemized.

**Payment options** - Vendors should submit any proposed payment options.

**Turnover Documentation** - The as-built documents must include a scale map indicating the location of the camera, configuration and test results for camera operation. The Contractor will provide final "as built" drawing in AutoCAD format in both hardcopy and on a CD-ROM for each School.

The following general requirements shall apply to all proposals.

- 1. The contractor shall provide all engineering and design documents necessary for any permitting process.
- 2. The contractor shall identify all agencies with permitting responsibility and present the engineering documentation.
- 3. The School will be available to provide assistance with the permitting process should a meeting with a board or council require their presence.

### **Pricing**

Provide a price itemized by materials, labor and other expense.

Note that the School is tax exempt.

#### **ATTACHMENT 15**

# FREEPORT SCHOOL DISTRICT PRICING SUMMARY FOR CAMERAS

The Freeport School District is requesting vendor proposals to include pricing for each category listed below. Items 5 6,7, and 8 are listed as options allowing the School District latitude to provision hardware from existing buying agreements and add surveillance to extended portions of campus as budget allows.

Pricing is requested for each item listed below.

- 1. Replacement of 96 existing cameras, addition of 59 cameras for a total deployment of 155 HD IP cameras at high school facilities.
- 2. Provisioning of a video management system, including applications, installation and configuration of a campus wide surveillance system. Server hardware, storage servers, and other equipment required to create a fully operational VMS should be included as an option as described in Item 6 below.
- 3. Implementation of UTP Cat5e or Cat6a connectivity to provide transport of camera data from each camera location, back to the IDF, MDF to POE capable switches for transmission to central video processing, storage array and management stations.
- 4. De-installation and mining of existing cameras, and camera cabling, coax, and other wiring supporting old devices.
- 5. Three (3) year Support and Maintenance Program for all proposed system hardware and software.
- 6. OPTION 1: Provide and provision, POE+ (Power-over-Ethernet) switches to serve each IDF/MDF camera locations.
- 7. OPTION 2: Provide and provision video server hardware, storage arrays and work station capability to support at least 172 cameras (Current camera requirement plus 10%)
- 8. OPTION 3: Provide 2 cameras for surveillance of Stadium stands, 1 each for both east side (visitor) and west side (home) bleachers. Option must include wireless or transport methodology to route from structures on the east side of the field to the high school facility to provide data connectivity for the cameras. West side hardware may be supported with a wired connection using outdoor rated cabling from high school building to camera location.
- 9. OPTION 4: Provide 2 cameras for surveillance of sidewalk area east of the stadium and west of Locust Street. Option must include wireless or transport methodology to route from structures (light poles/ structures) on the east side of the stadium to the high school facility to provide data connectivity for the cameras.

# 3/1/2019 1. Surveillance Cameras Camera Hardware 155 Cameras Camera Installation/Configuration 155 Cameras 2. VMS Server Platform VMS Software VMS Installation and Configuration 3. Horizontal Wiring Installation 155 Drops 4. Cable Mining (Remove Analog Camera Cabling) 96 Stations 5. Three (3) Year Extended Support and Maintenance Program \$0.00 Surveillance Camera and VMS Platform Project Total 6. OPTION 1: Provide CISCO® POE+ Switches 172 Total Ports, IDF/MDF Locations 7. OPTION 2: Provide and provision Video and Server Hardware Supporting 172 or > cameras and video retention requirements 8. OPTION 3: Provide 2 Camera Surveillance for Stadium/Stands 2 Cameras with wireless backhaul 9. OPTION 4: Provide 2 Camera Surveillance for East Sidewalk 2 Cameras with wireless backhaul \$0.00 All Components for Surveillance Project and Options

PRICING: Freeport High School Surveillance Project

## Exhibit 1

## Freeport High School Camera List

The listing below details each of the 155 camera locations outlined on the individual school and floor diagrams.

Freeport HS Camera Summary 3/22/19

#	Cita	• • •	Dul a ultr.	4 -4!	In/Out	C	T	D T	Mada
1	Site  Main High School Facility	<b>Location</b> Lower Level	Priority P-1	Action Replace	Indoor	Camera ID  HS LL SW STR Rpl	Termination Lower Level	<i>Pwr Type</i> POE	Notes Southwest stairwell at 009.
2	Main High School Facility	Lower Level	P-1	Replace	Indoor	HS LL 013 HW Rpl	Lower Level	POE	Hallway at room 013
3	Main High School Facility	Lower Level	P-1 P-1	Replace	Indoor	HS LL 005 HW Rpl	Lower Level	POE	West facing, HW at room 005
4	Main High School Facility	Lower Level	P-1	Replace	Indoor	HS LL 005 HW S	Lower Level	POE	S facing hallway at room 005
5			P-1		Indoor			POE	Northeast stairwell replace
6	Main High School Facility Main High School Facility	Lower Level Lower Level	P-1 P-1	Replace Replace	Indoor	HS LL 005 NE STR Rpl HS LL 006 HW Rpl	Lower Level Lower Level	POE	South facing hallway at room 006
7			P-1 P-1			·		POE	
	Main High School Facility	Lower Level	P-1 P-1	Replace Add	Indoor	HS LL 000 HW Rpl	Lower Level	POE	East facing hallway and entrance at 006
8	Main High School Facility	Lower Level			Indoor	HS LL 009HW Add	Lower Level		Hallway facing toward 013
9	Main High School Facility	Lower Level	P-1	Add	Indoor	HS LL 012 STR Down	Lower Level	POE	Stairwell coverage near room 012
10	Main High School Facility	Lower Level	P-1	Add	Indoor	HS LL SO STR Add	Lower Level	POE	Stairwell landing and entrance coverage
11	Main High School Facility	Lower Level	P-1	Add	Indoor	HS LL 002 HW Add	Lower Level	POE	Hallway at room 002
1	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1FI 130 N Rpl	1st Floor	POE	Hallway room 122 facing south
2	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl NW ENT Rpl	1st Floor	POE	Hallway room 122 entrance monitor
3	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 120 HW W Rpl	1st Floor	POE	Central entrance hallway facing west
4	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl N ENT Rpl	1st Floor	POE	Central entrance hallway facing north entrance
5	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 117 HW ENT Rpl	1st Floor	POE	Room 117 hallway entrance doors
6	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 140 HW N Rpl	1st Floor	POE	Room 140 hallway facing south
7	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 110 HW C Rpl	1st Floor	POE	Central hallway facing east toward Rm 110
8	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1 FI 110 HW E Rpl	1st Floor	POE	Hallway west facing
9	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 110 STR N Rpl	1st Floor	POE	North stairway, NE stairwell
10	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 110 STR S Rpl	1st Floor	POE	South stairway, NE stairwell
	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 110 HW E Rpl	1st Floor	POE	NE stairwell landing and doors
	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1FL 106 Ramp N	1st Floor	POE	Ramp monitor NE hallway
13		1st Floor	P-1	Replace	Indoor	HS 1Fl 107 HW N Rpl	1st Floor	POE	Rm 107 hallway facing south
14	,	1st Floor	P-1	Replace	Indoor	HS 1Fl 104 S Rpl	1st Floor	POE	Rm 104 hallway facing north
15		1st Floor	P-1	Replace	Indoor	HS 1Fl 155 HW W Rpl	1st Floor	POE	Room 155 hallway east
16	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1FI 134 ENT Rpl	1st Floor	POE	West entrance, at room 134
	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 134 HW N Rpl	1st Floor	POE	Facing hallway to south
18	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 150 HW E Rpl	1st Floor	POE	Hallway at room 150 facing west
19	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 141 HW C Rpl	1st Floor	POE	Hallway at room 141 facing south doors
20	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 143 HW N Rpl	1st Floor	POE	Hallway at room 143 facing south doors
	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 144 E Rpl	1st Floor	POE	Hallway at room 144 facing west
	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 162 HW W Rpl	1st Floor	POE	Hallway at room 162 facing east
	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 164 HW N Rpl	1st Floor	POE	Hallway at room 164 facing south
24		1st Floor	P-1	Replace	Indoor	HS 1FI 163 HWE Rpl	1st Floor	POE	Hallway at room 163 facing west
25	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 173 ENT Rpl	1st Floor	POE	Doorway/hallway monitor at room 173
	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 173 HW Rpl	1st Floor	POE	Hallway east from room 173
27	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 171 NW Rpl	1st Floor	POE	Weight room NW monitor
	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 172 NW Rpl	1st Floor	POE	Northwest cafeteria
29	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 172 NE Rpl	1st Floor	POE	Northeast cafeteria
30	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl 172 SW Rpl	1st Floor	POE	Southwest cafeteria
	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1FI 172 SE Rpl	1st Floor	POE	Southeast cafeteria
	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1Fl Gym ENT W add	1st Floor	POE	West gymnasium entrances and hall
33	-	1st Floor	P-1	Replace	Indoor	HS 1Fl 171 NE Rpl	1st Floor	POE	Northwest gym monitor
34	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1FI 177 SE Rpl	1st Floor	POE	Southwest gym monitor
35		1st Floor	P-1	Replace	Indoor	HS 1FI 166 HW Rpl	1st Floor	POE	Hallway at room 166 north facing
36	Main High School Facility	1st Floor	P-1	Replace	Indoor	HS 1FI 166 ENT Rpl	1st Floor	POE	South entrance at room 166 monitor
	Main High School Facility	1st Floor	P-1	Add	Indoor	HS 1FI 163 ENT Add	1st Floor	POE	Facing entrance doors at Rm 163
	Main High School Facility	1st Floor	P-1	Add	Indoor	HS 1FI 152 HW S Add	1st Floor	POE	Facing doors/stairs corridor entrance
						102 0			

39	Main High School Facility	1st Floor	P-1	Add	Indoor	HS 1FI 174 Add	1st Floor	POE	Add cafeteria space monitor
	Main High School Facility	1st Floor	P-1	Add	Indoor	HS 1FI 158 SE Add	1st Floor	POE	Add gymnasium monitor
41	Main High School Facility	1st Floor	P-1	Add	Indoor	HS 1FI 171 SW Add	1st Floor	POE	Add bleacher monitor
	Main High School Facility	1st Floor	P-1	Add	Indoor	HS 1FI Gym ENT E add	1st Floor	POE	Add gymnasium entrance and hallway monitor
	Main High School Facility	1st Floor	P-1	Add	Indoor	HS 1FI 158 SE Add	1st Floor	POE	Add east gym north entrances and floor monitor
	Main High School Facility	1st Floor	P-1	Add	Indoor	HS 1Fl 171 NE Add	1st Floor	POE	Weight Room Monitor North
	Main High School Facility	1st Floor	P-1	Add	Indoor	HS 1FI 171 SE Add	1st Floor	POE	Weight Room Monitor South
	Main High School Facility	1st Floor	P-1	Add	Indoor	HS 1FI NE Ent Add	1st Floor	POE	East facing doors
	Main High School Facility	1st Floor	P-1	Add	Indoor	HS 1Fl NE Doors/Stairs Add	1st Floor	POE	Stairs to East facing doors
	Main High School Facility	1st Floor	P-1	Add	Indoor	HS 1FI NE South Doors/Stairs		POE	Stairs to East facing south doors
	Main High School Facility	1st Floor	P-1	Add	Indoor	HS 1Fl SE Doors Add	1st Floor	POE	South Stairway to East facing doors
	, ,								,
1	Main High School Facility	2nd Floor	P-1	Replace	Indoor	HS 2FI 227 HW W Rpl	2nd Floor IDF	POE	Hallway at room 227 east facing
2	Main High School Facility	2nd Floor	P-1	Replace	Indoor	HS 2FI 231 HW N Rpl	2nd Floor IDF	POE	Hallway at room 231 south facing
3	Main High School Facility	2nd Floor	P-1	Replace	Indoor	HS 2FI 233 HW S Rpl	2nd Floor IDF	POE	Hallway at room 233 facing north
4	Main High School Facility	2nd Floor	P-1	Replace	Indoor	HS 2FI 233 STR ENT	2nd Floor IDF	POE	Hallway at room 233 facing stairwell and stair landing
5	Main High School Facility	2nd Floor	P-1	Replace	Indoor	HS 2FI 219 HW C Rpl	2nd Floor IDF	POE	Hallway at room 219 facing west and hallway doors
6	Main High School Facility	2nd Floor	P-1	Replace	Indoor	HS 2FI 240 HW N Rpl	2nd Floor IDF	POE	Hallway at room 240 facing south
7	Main High School Facility	2nd Floor	P-1	Replace	Indoor	HS 2FI 242 HW S Rpl	2nd Floor IDF	POE	Hallway at room 242 facing north
8	Main High School Facility	2nd Floor	P-1	Replace	Indoor	HS 2FI 242 STR S Rpl	2nd Floor IDF	POE	Hallway at room 242 facing stairway and landing
9	Main High School Facility	2nd Floor	P-1	Replace	Indoor	HS 2FI 212 HW E Rpl	2nd Floor IDF	POE	Hallway at room 212 facing west
10	Main High School Facility	2nd Floor	P-1	Replace	Indoor	HS 2FI 201 HW S Rpl	2nd Floor IDF	POE	Hallway at room 201 facing north
11	Main High School Facility	2nd Floor	P-1	Replace	Indoor	HS 2FI 201 HW E Rpl	2nd Floor IDF	POE	Hallway at room 201 facing west
12	Main High School Facility	2nd Floor	P-1	Replace	Indoor	HS 2FI 210 STR ENT	2nd Floor IDF	POE	Stairwell and entrance stairs at 201
	Main High School Facility	2nd Floor	P-1	Replace	Indoor	HS 2FI 210 STR ENT	2nd Floor IDF	POE	Stairwell and entrance stairs at 201
14	Main High School Facility	2nd Floor	P-1	Add	Indoor	HS 2FI 233 STR UP	2nd Floor IDF	POE	Stairwell to 3rd floor up
15	Main High School Facility	2nd Floor	P-1	Add	Indoor	HS 2FI 233 STR DWN	2nd Floor IDF	POE	Stairwell to 3rd floor up south
	Main High School Facility	2nd Floor	P-1	Add	Indoor	HS 2FI 225 STR UP	2nd Floor IDF	POE	Stairwell to 3rd floor up
17	Main High School Facility	2nd Floor	P-1	Add	Indoor	HS 2FI 225 STR DWN	2nd Floor IDF	POE	Stairwell to 3rd floor up south
	Main High School Facility	2nd Floor	P-1	Add	Indoor	HS 2FI 219 STR UP	2nd Floor IDF	POE	Stairwell to 3rd floor up west
	Main High School Facility	2nd Floor	P-1	Add	Indoor	HS 2FL 219 STR E UP	2nd Floor IDF	POE	Stairwell to 3rd floor up east
	Main High School Facility	2nd Floor	P-1	Add	Indoor	HS 2FI 205 STR UP N	2nd Floor IDF	POE	Stairwell at room 205 north up
	Main High School Facility	2nd Floor	P-1	Add	Indoor	HS 2FI 205 STR UP S	2nd Floor IDF	POE	Stairwell at room 205 south up
22	Main High School Facility	2nd Floor	P-1	Add	Indoor	HS 1FI 201 STR UP N	2nd Floor IDF	POE	Stairwell at room 201 UP N
23	Main High School Facility	2nd Floor	P-1	Add	Indoor	HS 2FI 201 STR UP S	2nd Floor IDF	POE	Stairwell at room 201 UP S
24	Main High School Facility	2nd Floor	P-1	Add	Indoor	HS 2FL 242 STR Add	2nd Floor IDF	POE	Stairwell at room 242 and landing coverage
	Main High School Facility	2nd Floor	P-1	Replace	Indoor	HS 2FL 220 HW Add	2nd Floor IDF	POE	Double Doors facing east
26	Main High School Facility	2nd Floor	P-1	Add	Indoor	HS 2FL 222 Hw Add	2nd Floor IDF	POE	Double Doors facing west
27	Main High School Facility	2nd Floor	P-1	Delete	Indoor	HS 2FL 232 RR Add	2nd Floor IDF	POE	Restroom at 232 may be deleted
1	Main High School Facility	3rd Floor	P-1	Replace	Indoor	HS 3FI 330 HW W RpI	3rd Floor IDF	POE	Hallway at room 330 east facing
2	Main High School Facility	3rd Floor	P-1	Replace	Indoor	HS 3FI 330 RR ENT	3rd Floor IDF	POE	Restroom entrance monitor
3	Main High School Facility	3rd Floor	P-1	Replace	Indoor	HS 3Fl 332 HW S Rpl	3rd Floor IDF	POE	Hallway at room 332 north facing
4	Main High School Facility	3rd Floor	P-1	Replace	Indoor	HS 3FI 332 STR DN	3rd Floor IDF	POE	Stairwell and landing at rm 332
5	Main High School Facility	3rd Floor	P-1	Replace	Indoor	HS 3Fl 317 HW W Rpl	3rd Floor IDF	POE	Hallway at 317 facing west
6	Main High School Facility	3rd Floor	P-1	Replace	Indoor	HS 3FI 340 HW N Rpl	3rd Floor IDF	POE	Hallway at rm 340 facing south
7	Main High School Facility	3rd Floor	P-1	Replace	Indoor	HS 3FI 316 HW NE Rpl	3rd Floor IDF	POE	Hallway at rm 316 facing west
8	Main High School Facility	3rd Floor	P-1	Delete	Indoor	HS 3FI 317 STR DN	3rd Floor IDF	POE	Delete - based on stairwell added camera coverage
9	Main High School Facility	3rd Floor	P-1	Replace	Indoor	HS 3FI 340 RR ENT Rpl	3rd Floor IDF	POE	Restroom entrance monitor
10	Main High School Facility	3rd Floor	P-1	Replace	Indoor	HS 3FI 342 HW S Rpl	3rd Floor IDF	POE	Hallway rm 342 north facing
	Main High School Facility	3rd Floor	P-1	Replace	Indoor	JS 3Fl 312 HW E Rpl	3rd Floor IDF	POE	Hallway rm 312 facing west
12	Main High School Facility	3rd Floor	P-1	Add	Indoor	HS 3FL 3122 ELV ENT	3rd Floor IDF	POE	Monitor elevator entrance and landing

13	Main High School Facility	3rd Floor	P-1	Add	Indoor	HS 3FI 318 HW E Add	3rd Floor IDF	POE	Hallway at room 318 facing west
1	Alternative High School	Main Level	P-1	Replace	Indoor	AS ENT Rpl	MDF	POE	Facing main entrance from hallway
2	Alternative High School	Main Level	P-1	Add	Indoor	AS HW S Add	MDF	POE	From S end of hallway facing north
3	Alternative High School	Main Level	P-1	Replace	Indoor	AS HW N Rpl	MDF	POE	From N end of hallway facing west, rear exit hallway
4	Alternative High School	Main Level	P-1	Replace	Indoor	AS HW BR C Rpl	MDF	POE	From central hallway facing bathroom doors.
5	Alternative High School	Main Level	P-1	Add	Indoor	AS HW C Add	MDF	POE	Monitor blind hallway, classroom and offices.
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1	302 W. Exchange	Lower Level	P-1	Replace	Outdoor	AS LL CAF HW Rpl	1st Floor MDF	POE	South wall facing cafeteria hall and doorway
2	302 W. Exchange	Lower Level	P-1	Replace	Indoor	AS LL CAF SE Rpl	1st Floor MDF	POE	SE cafeteria facing NW
3	302 W. Exchange	Lower Level	P-1	Replace	Indoor	AS LL CAF NE Rpl	1st Floor MDF	POE	NE cafeteria facing SW and stage area
4	302 W. Exchange	Lower Level	P-1	Replace	Indoor	AS LL CAF NW Rpl	1st Floor MDF	POE	NW cafeteria facing SE and S doors
5	302 W. Exchange	Lower Level	P-1	Replace	Indoor	AS SS E STR Rpl	1st Floor MDF	POE	Hallway facing east stairwell and hallway
6	302 W. Exchange	Lower Level	P-1	Add	Indoor	AS LL BR HW Add	1st Floor MDF	POE	Hallway facing west bathrooms and hallway
7	302 W. Exchange	Lower Level	P-1	Add	Indoor	AS LL S STR Add	1st Floor MDF	POE	Hallway facing south stairwell
	· ·								, ,
1	302 W. Exchange	1st Floor	P-1	Replace	Outdoor	AS 1FI HW N Rpl	1st Floor MDF	POE	From N end of hallway facing south
2	302 W. Exchange	1st Floor	P-1	Replace	Indoor	AS 1FI ENT HW Rpl	1st Floor MDF	POE	From N end of hallway facing east entrance stair and hallway
3	302 W. Exchange	1st Floor	P-1	Replace	Indoor	AS 1FI E ENT Rpl	1st Floor MDF	POE	East entrance door and landing
4	302 W. Exchange	1st Floor	P-1	Add	Indoor	1FI W BR Add	1st Floor MDF	POE	West bathroom hallway monitor (blind corridor)
5	302 W. Exchange	1st Floor	P-1	Add	Indoor	1FL HW S Add	1st Floor MDF	POE	From south end of hallway facing north
6	302 W. Exchange	1st Floor	P-1	Add	Indoor	1FI S ENT Add	1st Floor MDF	POE	South entrance door monitor
7	302 W. Exchange	1st Floor	P-1	Add	Indoor	1FI S STR Add	1st Floor MDF	POE	1 Floor S stairwell to Flr 2 .
	· ·								
1	302 W. Exchange	2nd Floor	P-1	Replace	Indoor	AS 2FI HW S Rpl	1st Floor MDF	POE	South end of hallway facing north
2	302 W. Exchange	2nd Floor	P-1	Replace	Indoor	AS 2FL BR Rpl	1st Floor MDF	POE	North HW junction facing bathroom doors
3	302 W. Exchange	2nd Floor	P-1	Replace	Indoor	AS 2FI E STR Rpl	1st Floor MDF	POE	North HW juntion facing east stairwell
4	302 W. Exchange	2nd Floor	P-1	Replace	Indoor	AS 2FI HW N Rpl	1st Floor MDF	POE	North end of hallway facing south
5	302 W. Exchange	2nd Floor	P-1	Add	Indoor	AS 2FI S STR	1st Floor MDF	POE	South end of hallway facing south stairwell
6	302 W. Exchange	2nd Floor	P-1	Add	Outdoor	AS 2FI SE ENT	1st Floor MDF	POE	East side south corner. Cover East Entrance
7	302 W. Exchange	2nd Floor	P-1	Add	Outdoor	AS 2FI SW ENT	1st Floor MDF	POE	South side of SW Corner. South Entrance
8	302 W. Exchange	2nd Floor	P-1	Add	Outdoor	AS 2FI W Park Add	1st Floor MDF	POE	West side of SW Corner. West Parking lot
1	Outdoor South Campus	IT Building	P-1	Replace	Outdoor	IT Southeast Parking	IT Building	POE	Southeast parking lot coveral
2	Outdoor South Campus	IT Building	P-1	Add	Outdoor	IT N Entrance, West Parking	IT Building	POE	Facing west across front entrance/West parking lot
3	Outdoor South Campus	AHS	P-1	Replace	Outdoor	Fuel Island	AHS	POE	Replace PZT with Fuel Island fixed view
4	Outdoor South Campus	AHS	P-1	Add	Outdoor	East Entrance Dropoff	AHS	POE	East entrance and road access
5	Outdoor South Campus	AHS	P-1	Add	Outdoor	NE Parking Lot	AHS	POE	Monitor east parking lot and traffic
6									
_	Outdoor South Campus	AHS	P-1	Add	Outdoor	Bus Lot W Empire E	AHS	POE	Montor bus parking and loading area south of W Empire Str East
7	Outdoor South Compus	AHS	P-1	Add	Outdoor	Due Lat W Empire W	AHS	POE	Montar bus parking and leading area south of W Empire Str West
0	Outdoor South Campus				Outdoor	Bus Lot W Empire W			Montor bus parking and loading area south of W Empire Str West
8	Outdoor South Campus	AHS	P-1	Add	Outdoor	Tennis Court South	AHS AHS	POE POE	Tennis Court south west of AS
9	Outdoor South Campus	AHS	P-1	Add	Outdoor	Tennis Court North	АПЭ	PUE	Tennis Court north west of AS
10	Outdoor Main Campus	Outdoor	P-1	Replace	Outdoor	North Entrance West	Perimeter	POE	Monitor west side circle entrance
11	Outdoor Main Campus	Outdoor	P-1	Add	Outdoor	North Entrance East	Perimeter	POE	Monitor east side circle entrance
12	· ·	Outdoor	P-1	Replace	Outdoor	Auto Shop Drive	Perimeter	POE	Monitor southeast drive and entrance
	Outdoor Main Campus	Outdoor	P-1	Replace	Outdoor	LL NE Entrance	Perimeter	POE	Monitor northeast entrance on lower level
14	Outdoor Main Campus	Outdoor	P-1	Replace	Outdoor	Courtyard Monitor	Perimeter	POE	Monitor courtyard sidewalk and entrance
	Outdoor Main Campus	Outdoor	P-1	Replace	Outdoor	East Entrance Monitor	Perimeter	POE	Monitor East HS facility entrance
	Outdoor Main Campus	Outdoor	P-1	Add		Stadium Entrance	Perimeter	POE	Monitor stadium entrance and walkway
10	Cataoor Main Campus	- Cutadoi	, ,	, luu	Juluooi	Stadiani Entrance	remitte	. 01	Montos stadium chitanice and walkway

17	Outdoor Main Campus	Outdoor	P-1	Replace	Outdoor	SE Parking	Perimeter	POE	Monitor southeast parking lot and traffic
18	Outdoor Main Campus	Outdoor	P-1	Replace	Outdoor	Southeast Parking 2	Perimeter	POE	Monitor north side of southeast parking lot and traffic
19	Outdoor Main Campus	Outdoor	P-1	Add	Outdoor	Empire Street	Perimeter	POE	Monitor Empire St crossing and traffic
20	Outdoor Main Campus	Outdoor	P-1	Add	Outdoor	South Gym Entrance E	Perimeter	POE	Monitor south entrances and sidewalk, facing west
21	Outdoor Main Campus	Outdoor	P-1	Replace	Outdoor	South Gym Entrance W	Perimeter	POE	Monitor south entrances and sidewalk facing east
22	Outdoor Main Campus	Outdoor	P-1	Replace	Outdoor	SW PK Area	Perimeter	POE	Monitor parking area southwest side of HS
23	Outdoor Main Campus	Outdoor	P-1	Replace	Outdoor	West PK Area	Perimeter	POE	Monitor parking area west central side of HS
24	Outdoor Main Campus	Outdoor	P-1	Add	Outdoor	W Entrance Monitor	Perimeter	POE	Monitor building entrances Room 137
25	Outdoor Main Campus	Outdoor	P-1	Replace	Outdoor	NW PK Area - South	Perimeter	POE	Monitor parking area northwest of main building
26	Outdoor Main Campus	Outdoor	P-1	Replace	Outdoor	NW PK Area - North	Perimeter	POE	Monitor parking area northwest of main building
27	Option Stadium	Outdoor	P-2	Add	Outdoor	Home Stands Monitor	Stadium	Wireless	Monitor Home Seating
28	Option Stadium	Outdoor	P-2	Add	Outdoor	Visitor Stands Monitor	Stadium	Wired option	Visitor Seating Monitor
29	Option Stadium	Outdoor	P-2	Add	Outdoor	Sidewalk monitor North	Stadium North	Wireless	Monitor Sidewalk on East side of stadium North end
30	Option Stadium	Outdoor	P-2	Add	Outdoor	Sidewalk monitor South	Stadium South	Wireless	Monitor Sidewalk on East side of stadium South end

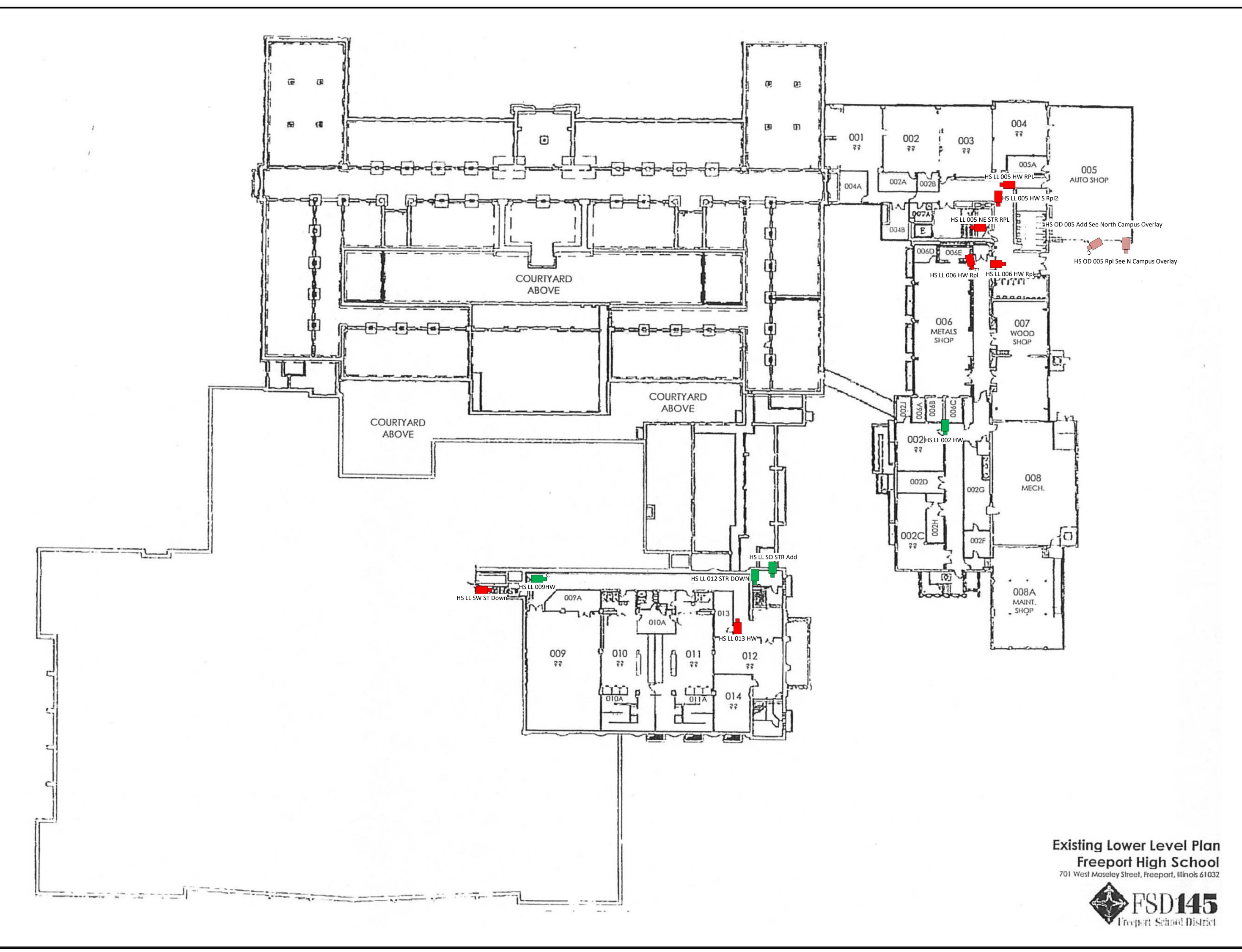
Total Cameras Replaced 96 Total Cameras Added 59

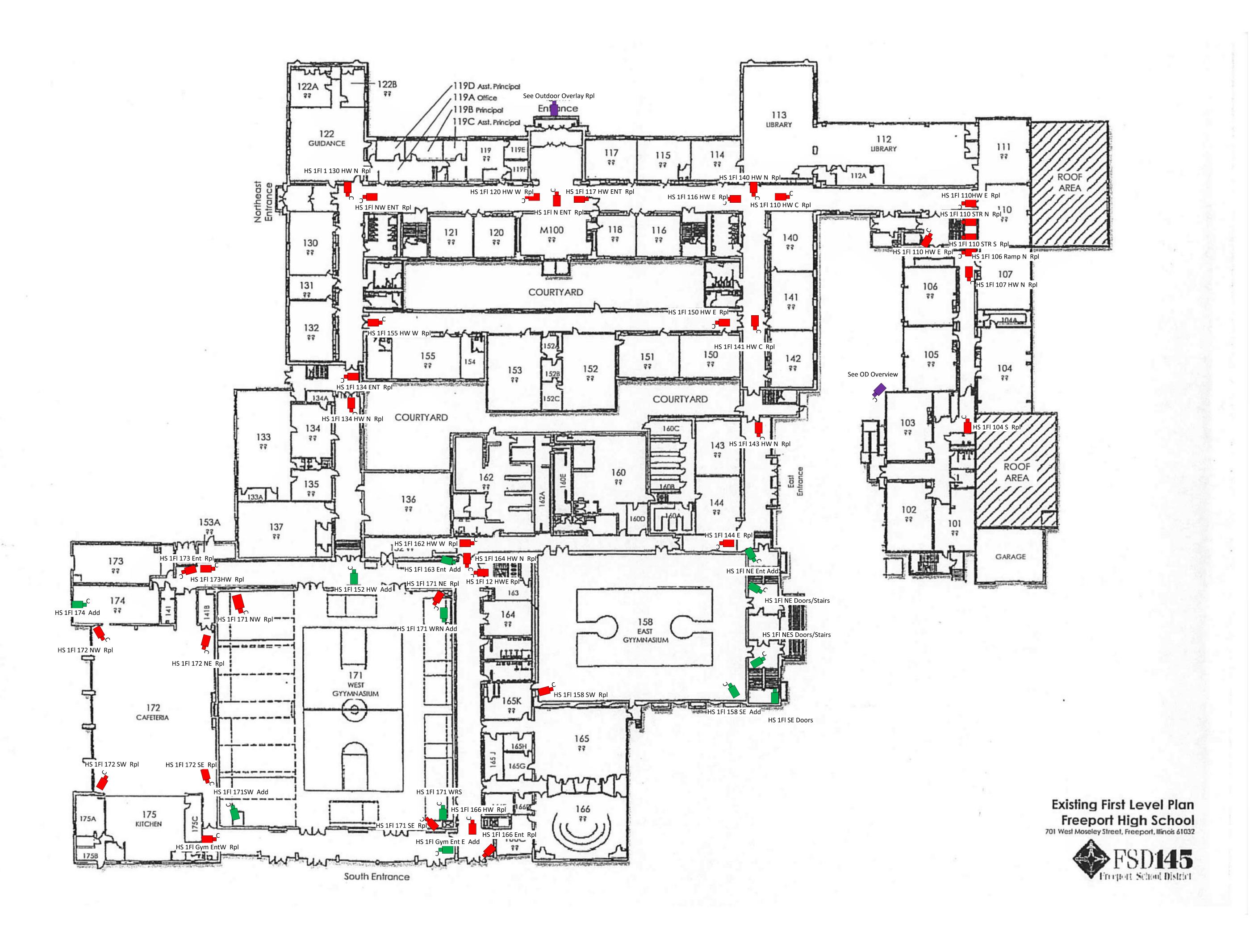
TOTAL CAMERAS 155

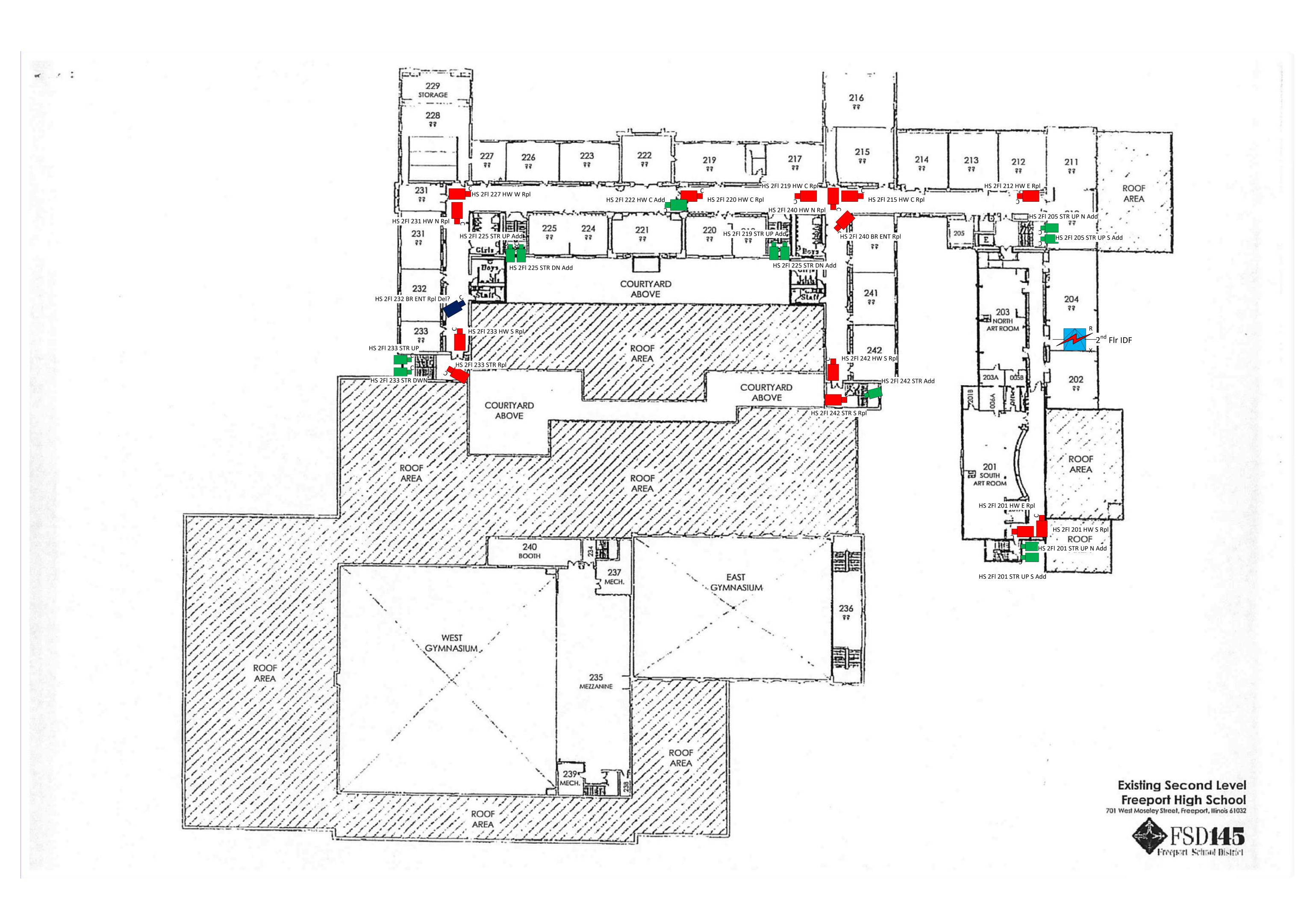
#### Exhibit 2

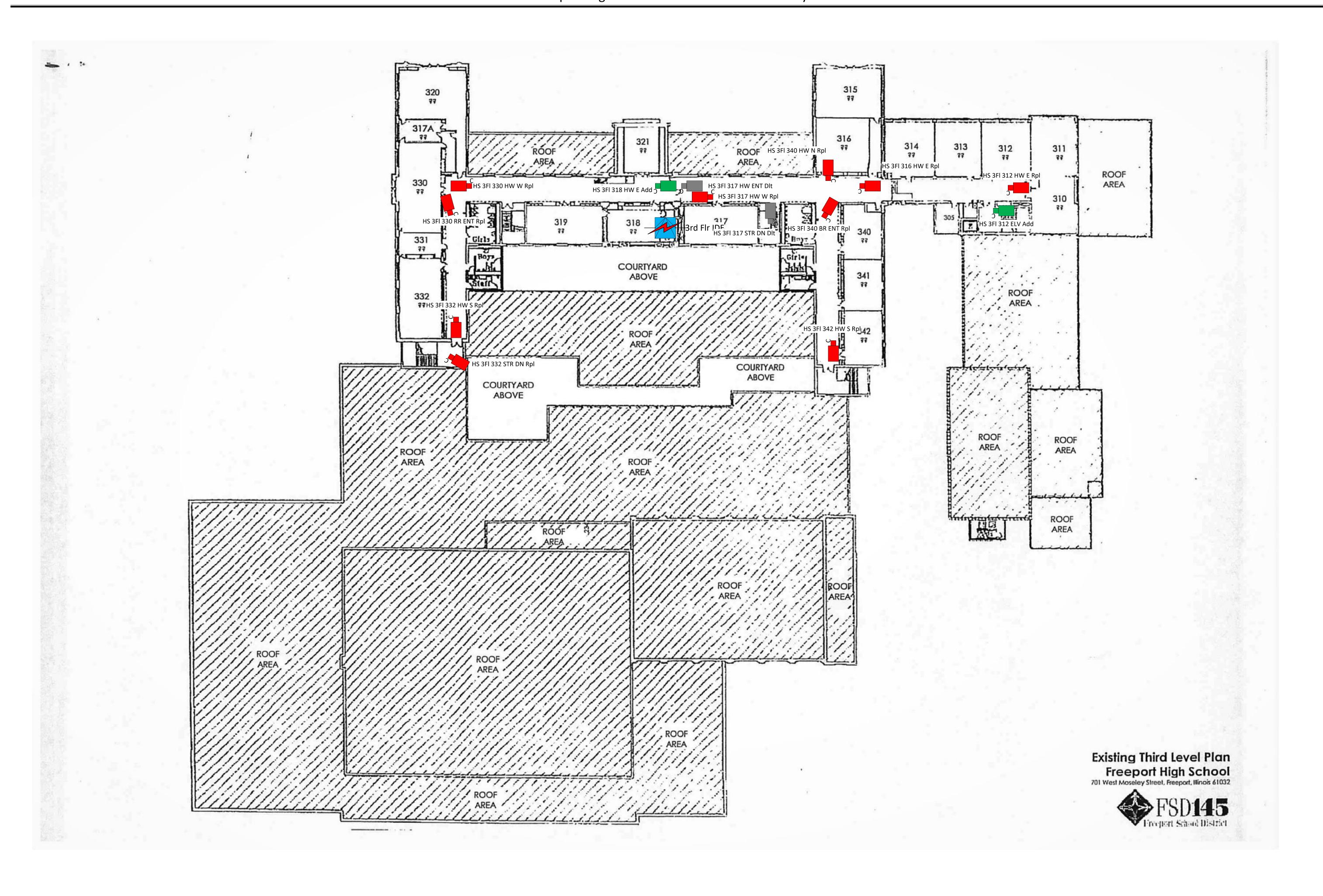
## Freeport High School Camera Location Diagrams – All Sites

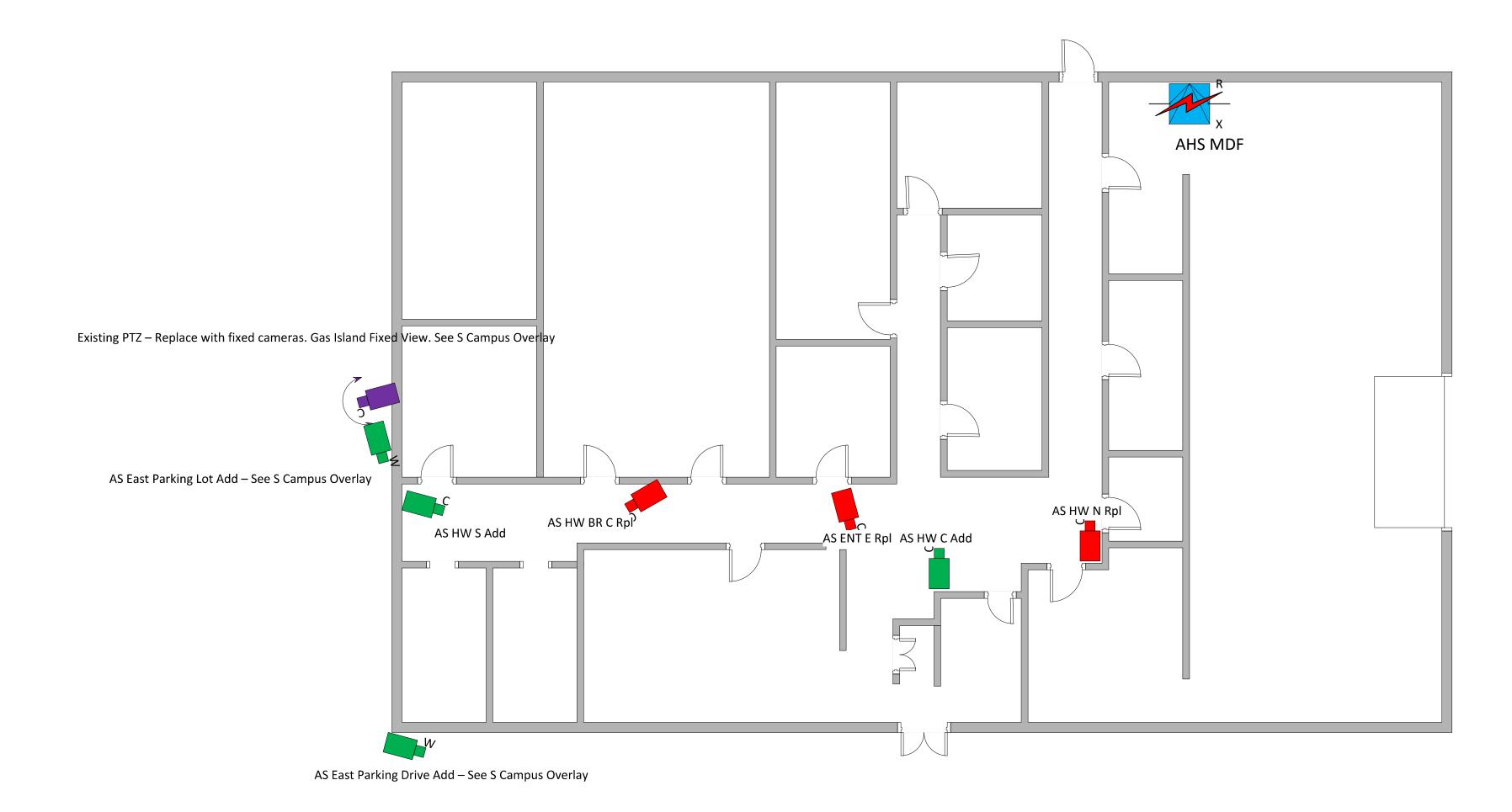
The diagrams below outline camera locations for each of the sites for the Freeport School District Surveillance Project. For most locations, camera placement can and should be adjusted for avoiding obstacles to visual path, providing optimum installation position and availability, or reduced impact to place cabling and conduit or other cable support devices to reach the camera location.



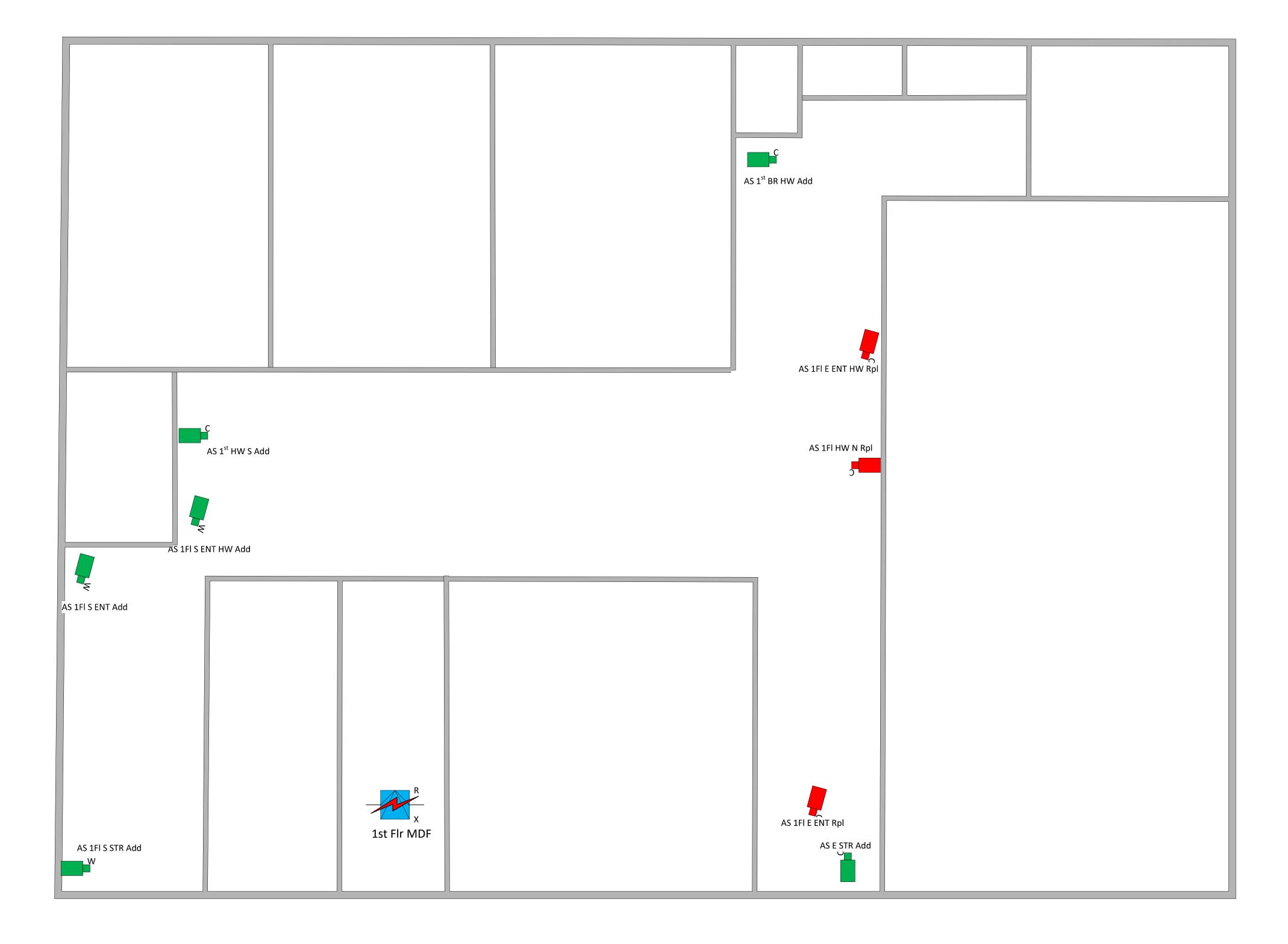


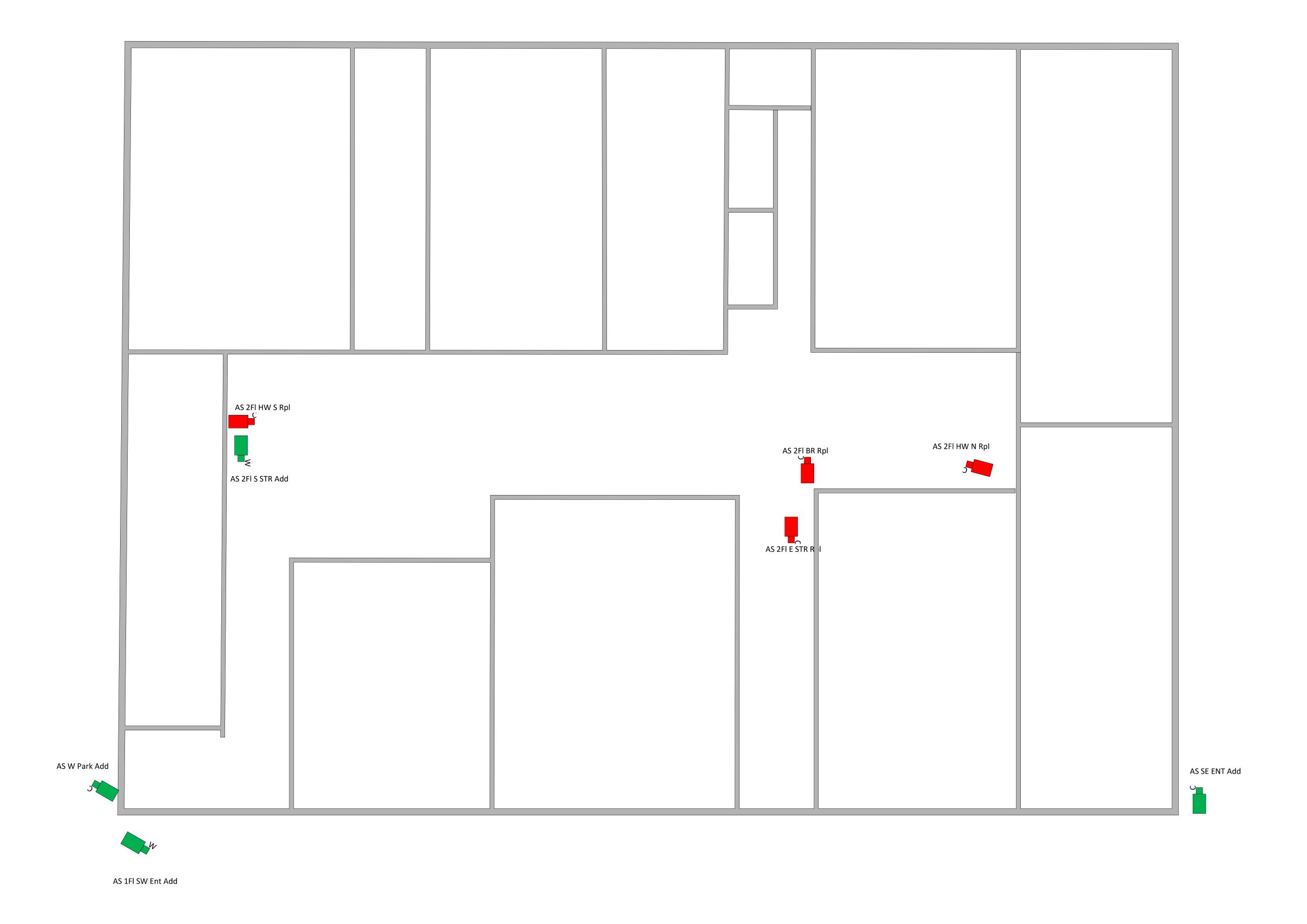












February 12, 2019



