DW BDA/ERCES Assessment and System Design Services

Request for Quotation

MSBSD Quote Number: Q26-11

Question period ends Thursday, July 2, 2026, at 4:00 p.m. Questions must be submitted in writing to bids@matsuk12.us.

Quotes due: Monday, July 13, 2026, at 4:00 p.m.

Quotes can be returned by email or in person. Please make sure Q26-11 is listed on your quote.
Email: bids@matsuk12.us
In-person: Purchasing Department at 690 Cope Industrial Way, Palmer, AK.

Performance dates: July 20 – September 15, 2026. The MSBSD reserves the right to modify the schedule or scope as necessary.

The Mat-Su Borough School District (MSBSD) is seeking quotes from experienced and qualified firms to provide Bi-Directional Amplifier (BDA) / Emergency Responder Communications Enhancement System (ERCES) assessment and system design services for select District school facilities. The intent of this procurement is to evaluate in-building radio coverage in occupied K-12 facilities and to develop International Fire Code (IFC) Section 510-compliant BDA/ERCES system designs for emergency responder communications suitable for future competitive procurement and installation.
This scope represents a BDA-focused assessment conducted within the ERCES regulatory framework and includes limited evaluation of cellular-based technologies solely as they relate to emergency responder communications.
This RFQ is assessment and design only. Installation, permitting, construction, Authority Having Jurisdiction (AHJ) plan review, and acceptance testing are not included in this solicitation and will be addressed, if pursued, under a separate procurement.

In-building radio coverage is critical to emergency response operations and school safety. MSBSD seeks professional services to accomplish the following to be suitable for capital planning and future procurement:

- Assess existing building radio coverage in occupied facilities
- Identify areas that do not meet IFC Section 510 performance requirements
- Develop BDA/ERCES system designs that identify required equipment, locations, and system configuration

Deliverables from this RFQ will be used to support future capital planning, permitting, and installation procurement activities.

The following attachments shall serve as the basis of quotation.

- Attachment A: Scope of Services

- Attachment B: School Maps
- Attachment C: Quote Form
- Attachment D: Suspension and Debarment Certification
- Attachment E: Clean Air and Water Certification
- Attachment F: Certification Regarding Lobbying/Disclosure of Lobbying Activities
- Attachment G: Recovered Materials Certification
- Attachment E: Proposed Subcontractor and Supplier List
- Attachment F: Insurance Matrix

All work must be coordinated with Justin Michaud, Senior Manager, Business and Operations at 907-761-4014, or his designee.

ATTACHMENT A:
SCOPE OF SERVICES

1. PURPOSE

MSBSD is requesting quotes from firms to perform BDA/ERCES assessments and system design at designated school facilities. The scope is intended to determine existing radio coverage performance and to develop code-compliant BDA/ERCES system designs identifying required equipment, locations, and configuration necessary to support reliable public safety and school district radio communications. This scope is assessment and design only.

2. BASE PROJECT SITES

Palmer High School: 1170 W. Bogard Road, Palmer, AK
Wasilla High School: 701 E. Bogard Road, Wasilla, AK

3. APPLICABLE CODES AND STANDARDS

All work shall reference and align with applicable codes and standards, including but not limited to:

A. International Fire Code (IFC) Section 510 – Emergency Responder Radio Coverage

B. International Building Code (IBC) (as adopted)

C. NFPA 1, NFPA 72, NFPA 1221 / 1225 (as applicable)

D. FCC regulations governing signal boosters and BDAs

E. ERCES (Emergency Responder Communications Enhancement Systems) requirements

All terminology, performance criteria, and system recommendations shall be framed using IFC Section 510 / ERCES language suitable for plan review and enforcement.

4. RADIO SYSTEMS

The assessment and system design shall evaluate and support VHF and UHF radio coverage at all sites, in addition to the public-safety radio systems listed below.
For clarity, the BDA/ERCES scope does not include general commercial cellular coverage for public use.
Cellular-based architectures (including DAS or neutral-host systems) may be considered an acceptable ERCES method when specifically engineered, dedicated, monitored, and compliant with IFC Section 510 requirements for public-safety radio and emergency responder communications.
Public-safety broadband or cellular-based responder communications (e.g., FirstNet-enabled systems) shall be evaluated as part of the assessment to identify existing coverage conditions, limitations, and potential interoperability considerations, and shall not replace or reduce required ERCES radio coverage.
Any evaluation of public-safety broadband or cellular-based responder communications is planning-level and informational only and shall not rely on commercial carrier service continuity, nor replace required ERCES survivability, monitoring, backup power, or performance requirements.

A. Required Radio Systems

The assessment and system design shall evaluate and support the following required public-safety and District radio systems, as applicable to each site:

1. UHF – MSBSD school district radios
2. VHF/ALMR (Alaska Land Mobile Radio System) – Required at all sites
3. Police radio systems, jurisdiction specific as defined in Subsection B

Cellular-based architectures (including DAS or neutral-host systems) may be considered an acceptable ERCES method only when engineered, dedicated, monitored, and compliant with IFC Section 510 requirements for public-safety radio communications.

Public-safety broadband or cellular-based responder communications (e.g., FirstNet-enabled systems) shall be evaluated as part of the assessment to document existing coverage conditions, limitations, and potential interoperability considerations, but shall not replace or reduce required ERCES radio coverage.
Any evaluation of public-safety broadband or cellular-based responder communications is informational only and shall not rely on commercial carrier service continuity, nor replace required ERCES survivability, monitoring, backup power, or performance requirements.

B. Site-Specific Police Coverage
Each site shall support radio coverage for the primary law-enforcement agencies with jurisdictional response responsibility, as identified below.
The listed agencies represent the required police radio systems to be evaluated and supported as part of the BDA/ERCES assessment and system design.
Primary Bid Sites:
1. Palmer High School
    a. Alaska State Troopers (AST)
    b. Palmer Police Department (PPD)
    c. Wasilla Police Department (WPD) excluded
2. Wasilla High School
    a. Alaska State Troopers (AST)
    b. Wasilla Police Department (WPD)
    c. Palmer Police Department (PPD) excluded

Alternate Bid Sites:
3. Career & Technical High School
    a. Alaska State Troopers (AST)
    b. Palmer Police Department (PPD) excluded
    c. Wasilla Police Department (WPD)
4. Colony High School
    a. Alaska State Troopers (AST)
    b. Palmer Police Department (PPD)
    c. Wasilla Police Department (WPD) excluded
5. Colony Middle School
    a. Alaska State Troopers (AST)
    b. Palmer Police Department (PPD)
    c. Wasilla Police Department (WPD) excluded
6. Houston High School
    a. Alaska State Troopers (AST)
    b. Palmer Police Department (PPD) excluded
    c. Wasilla Police Department (WPD) excluded
7. Houston Middle School
    a. Alaska State Troopers (AST)
    b. Palmer Police Department (PPD) excluded
    c. Wasilla Police Department (WPD) excluded
8. Palmer Junior Middle School
    a. Alaska State Troopers (AST)
    b. Palmer Police Department (PPD)
    c. Wasilla Police Department (WPD) excluded
9. Redington Jr/Sr High School
    a. Alaska State Troopers (AST)
    b. Palmer Police Department (PPD) excluded
    c. Wasilla Police Department (WPD) excluded
10. Su Valley Jr/Sr High School
    a. Alaska State Troopers (AST)
    b. Palmer Police Department (PPD) excluded
    c. Wasilla Police Department (WPD) excluded

11. Teeland Middle School
    a. Alaska State Troopers (AST)
    b. Palmer Police Department (PPD) excluded
    c. Wasilla Police Department (WPD)
12. Wasilla Middle School
    a. Alaska State Troopers (AST)
    b. Palmer Police Department (PPD) excluded
    c. Wasilla Police Department (WPD)

Respondents shall not coordinate directly with Authorities Having Jurisdiction (AHJs), police agencies, or radio system owners unless expressly directed by the MSBSD.

Current MSBSD UHF Channels & Frequencies:

Channel 1	451.0625 MHz
Channel 2	451.9125 MHz
Channel 3	452.3625 MHz
Channel 4	452.7375 MHz
Channel 5	456.0625 MHz
Channel 6	456.8625 MHz
Channel 7	456.9125 MHz
Channel 8	457.2625 MHz
Channel 9	457.3625 MHz
Channel 10	457.7375 MHz
Channel 11	461.5625 MHz
Channel 12	461.8625 MHz
Channel 13	462.1000 MHz
Channel 14	462.2750 MHz
Channel 15	466.5625 MHz
Channel 16	467.2750 MHz

Site	TX [MHz]	RX [MHz]	Sig Level roof	GPS Coordinates	
	Downlink	Uplink		LAT	LONG
	TX	RX			
Bailey Hill	155.6875	140.3125	-67	61-37-26N	149-07-04W
ASTRO P25, VHF	154.8875	140.2375			
	154.7375	140.0875			
	155.4875	140.8375			
	155.8500	140.2875			
	156.0875	140.7125			
Beckwitt - Areawide - Conventional (VHF)	154.2950	151.2350	-71	61-43-54N	149-26-38W
VHF, Analog					
Cottonwood (CC) ALMR	774.74375	804.74375	-95	61-34-34N	149-24-59W
Astro P25, 700/800 MHZ	773.99375	803.99375			
	773.24375	803.24375	Note: Measured signal from a closest 700/800 MHz site at Cottonwood is too low to be cosider usable as a donor site for BDA/DAS operation in this band		
	772.49375	802.49375			
	771.63125	801.63125			
	770.75625	800.75625			

Alcantra Control Channels	Channel 1	Channel 2
Transmit Frequency:	154.7000	154.90000
Receive Frequency:	142.36250	140.98750

Notes:

- For Wasilla proper, Wasilla Police Department utilizes 700 mhz radio system
- The above Sites are listed so depending on what school is being evaluated the, the closest site would be point at for coverage.

5. SCOPE OF WORK

Pre-assessment coordination, in-building radio testing in occupied facilities, identification of deficiencies, donor signal analysis, and documentation.

A. Pre-Assessment Coordination

The selected firm shall:

1. Coordinate site access and scheduling with MSBSD Facilities, IT, and school administration
2. Perform assessments in occupied buildings during normal operating conditions
3. Review of drawings and background information provided by MSBSD
4. Submit all technical questions only to MSBSD

B. In-Building Radio Coverage Assessment

For each Base Site, the firm shall perform a BDA/ERCES-focused emergency responder radio coverage assessment that includes:

1. Walk testing and signal strength measurements throughout the building
2. Evaluation with doors closed and under normal occupancy conditions
3. Identification of areas failing to meet IFC Section 510 performance thresholds
4. Identification of construction features impacting signal propagation

5. Identification of donor signal sources and constraints

C. IFC Section 510 Required Coverage Areas
Assessments and system designs shall explicitly evaluate and support BDA/ERCES radio coverage in all areas required by IFC Section 510, including but not limited to:
1. Fire command rooms, including school or district incident command rooms, security operations centers, or designated emergency coordination spaces
2. Fire pump rooms, including mechanical rooms housing fire protection, life-safety, or emergency systems
3. Exit stairways
4. Exit passageways and exit corridors
5. Elevators and elevator lobbies (as applicable)
6. Areas of refuge, including designated areas of assisted rescue or refuge spaces
7. Interior exit ramps
8. Other critical responder operational areas required by IFC Section 510, including spaces reasonably anticipated to be used for responder staging, command, or tactical operations during an emergency

D. DAQ Performance Targets
Assessments and designs shall be based on the following Delivered Audio Quality (DAQ) performance targets, consistent with IFC Section 510 and BDA/ERCES best practices.
Delivered Audio Quality (DAQ) is a qualitative measure of voice intelligibility for radio communications, where higher DAQ values indicate clearer, more intelligible speech suitable for emergency responder operations.
A minimum DAQ 3.4 shall be achieved throughout all IFC Section 510 required coverage areas identified in Section 5, Subsection D. DAQ 3.4 represents speech that is understandable with minimal repetition and is considered the minimum acceptable level for public-safety radio communications.
A target DAQ 4.0 to 4.5 shall be achieved in critical responder operational areas, where enhanced intelligibility is necessary for command, coordination, and life-safety decision-making. Critical responder operational areas are a subset of the IFC Section 510 coverage areas and include spaces where incident command, responder staging, or tactical operations are expected to occur.
The following table is provided for reference purposes to describe the standard DAQ scale used in public-safety radio communications:

DAQ Level	**Description of Speech Intelligibility**
DAQ 1.0	Unusable. Speech present but not understandable.
DAQ 2.0	Speech understandable with considerable effort; frequent repetition required due to noise or distortion.
DAQ 3.0	Speech understandable with slight effort; occasional repetition required.
DAQ 3.4	Speech understandable without repetition; some noise or distortion may be present.
DAQ 4.0	Speech easily understandable with little noise or distortion.
DAQ 4.5	Speech easily understandable with rare noise or distortion.
DAQ 5.0	Perfect audio quality with no discernible noise or distortion.

The proposed BDA/ERCES system design shall demonstrate the ability to maintain the required DAQ performance levels under both normal and emergency operating conditions, including during loss of normal power.

E. Public-Safety Broadband and Cellular Assessment and Design
As part of the scope of services, the firm shall assess and develop planning-level design considerations for public-safety broadband and cellular-based responder communications (e.g., FirstNet-enabled systems) in support of emergency responder communications within the BDA/ERCES framework.
The assessment shall document existing coverage conditions, observable limitations, building characteristics affecting signal propagation, and potential interoperability or coexistence considerations with the required BDA/ERCES infrastructure.
Based on assessment findings, the firm shall develop conceptual, planning-level design recommendations identifying how public-safety broadband or cellular-based responder communications could be supported or accommodated, including potential infrastructure considerations, coordination constraints, and high-level compatibility with ERCES system components.
Public-safety broadband or cellular-based responder communications shall not replace, reduce, or be used in lieu of required ERCES radio coverage under IFC Section 510. Any broadband or cellular-based concepts shall be supplemental to, and independent of, required ERCES radio system performance.
Design recommendations for public-safety broadband or cellular-based responder communications shall be conceptual only and shall not constitute final system design, procurement documents, installation requirements, or determination of code compliance.
Any proposed broadband or cellular-based responder communications design shall not rely on commercial carrier service continuity and shall not diminish required ERCES survivability, monitoring, backup power, or performance requirements.

6. SYSTEM DESIGN

Based on assessment findings, the firm shall develop a preliminary BDA/ERCES system design for each Base Site, including:

A. Recommended system type (BDA, DAS, or hybrid ERCES solution), including identification of any cellular-based or shared infrastructure utilized solely for public-safety ERCES purposes

B. Conceptual system architecture and signal flow

C. Preliminary equipment list with quantities (amplifiers, antennas, cabling, donor antennas, monitoring, backup power)

D. Conceptual identification of recommended equipment and antenna locations by building area, floor, or zone, including proposed head-end equipment locations, donor antenna locations, and typical coverage antenna placement strategies

E. Identification of electrical, fire alarm, monitoring, and structural coordination required for IFC Section 510 compliance

Identified equipment and antenna locations are conceptual and planning-level only, intended to support performance evaluation, coordination, and future capital planning, and shall not represent final installation locations, mounting details, or construction means and methods.
Any cellular-based ERCES solution proposed shall be dedicated to public-safety use, meet all IFC Section 510 survivability, monitoring, backup power, and performance requirements, and shall not rely on commercial carrier service continuity.
Designs shall be suitable for use as the basis of a future, separate competitive installation procurement.

7. BATTERY BACKUP AND MONITORING

ERCES system designs shall include battery backup and monitoring features as required by IFC Section 510, including:

A. Emergency power provisions for all ERCES equipment

B. System monitoring and fault annunciation requirements

C. Interface requirements with building fire alarm or monitoring systems

8. DELIVERABLES

For each Base Site, the firm shall provide:

A. Radio Coverage Assessment Report

B. BDA/ERCES System Design Package

C. Executive Summary suitable for administrative and capital planning use

Deliverables shall be provided in PDF format, with drawings provided in editable format if available.

9. ALTERNATES

Respondents shall provide separate pricing as alternates to perform the same Scope of Services for the following sites, each priced separately.

A. Career & Technical High School

B. Colony High School

C. Colony Middle School

D. Houston High School

E. Houston Middle School

F. Palmer Junior Middle School

G. Redington Jr/Sr High School

H. Su-Valley Jr/Sr High School

I. Teeland Middle School

J. Wasilla Middle School

10. SCOPE EXCLUSIONS

The following items are explicitly excluded from this Scope of Services:

A. BDA/ERCES system installation or construction

B. Permitting, AHJ plan review, or acceptance testing

C. Ongoing system maintenance or monitoring

D. Cellular signal boosters, cell phone extenders, or commercial cellular antenna systems

E. Commercial cellular coverage intended for public use, including consumer cellular signal boosters, cell phone extenders, or non-public-safety cellular systems.

Information related to existing or planned cellular systems may be provided by MSBSD for coordination purposes only, if compatibility with the proposed ERCES design is feasible.

11. CONTRACTOR QUALIFICATIONS

Respondents must demonstrate the following qualifications, knowledge, and experience relevant to BDA/ERCES assessment and system design:

A. Experience performing BDA/ERCES assessments and system design for public-safety communications systems in occupied facilities

B. RF engineering expertise applicable to public-safety radio systems, including in-building signal propagation, interference mitigation, and performance testing

C. Demonstrated knowledge of IFC Section 510, applicable NFPA standards, FCC requirements, and ERCES code compliance considerations

D. Experience working in occupied K-12 educational facilities, including coordination with facility operations, safety protocols, and security considerations

E. Required professional licenses, certifications, and credentials, as applicable to the proposed scope of services

Respondents shall demonstrate familiarity with recognized industry best practices for Emergency Responder Communications Enhancement Systems (ERCES), including those published or promoted by the Safer Buildings Coalition and related public-safety organizations. Experience with, or knowledge of, the principles outlined in the Safer Buildings Coalition Complete ERCES Handbook and the NICET In-Building Public Safety Communications (IB-PSC) framework is strongly preferred.
The MSBSD does not require specific organizational memberships or individual certifications; however, respondents shall clearly describe how their team's training, experience, and methodologies align with nationally recognized ERCES best practices and workforce competency standards.

12. PRICING SCHEDULE

The total price for the services provided under this Agreement shall not exceed the amount set forth in this Agreement, unless modified by written amendment approved by the Owner.

A. Payments shall be made in three (3) phases based on satisfactory completion of the milestones outlined below:
   1. **Phase 1**: Project Initiation: Thirty percent (30%) of the total contract price upon execution of the Agreement and commencement of work.
   2. **Phase 2**: Substantial Progress: Forty percent (40%) of the total contract price upon completion of agreed-upon interim deliverables or demonstration of substantial progress, as approved by the Owner.
   3. **Phase 3**: Final Completion: Thirty percent (30%) of the total contract price upon final delivery, completion of all contract requirements, and acceptance of all deliverables by the Owner.

B. Payments shall be made following receipt and approval of a properly submitted invoice and in accordance with the Owner's standard payment procedures.

13. SUBMITTAL REQUIREMENTS

At a minimum, quotes shall include:

A. Completed Quote Form

B. Suspension and Debarment Certification

C. Clean Air and Water Certification

D. Certification Regarding Lobbying/Disclosure of Lobbying Activities

E. Recovered Materials Certification

F. Proposed Subcontractor and Supplier List

G. Brief narrative statement describing the firm's relevant experience, expertise, licensing, and qualifications to perform work of this nature. Please include up to three examples of projects that are similar in size and scope to this one. Feel free to include any information you feel is necessary to demonstrate your ability to successfully complete this project.

14. CONTRACT AWARD

In general, the contract will be awarded to the lowest responsive, responsible bidder for the base sites and any alternate sites selected. The MSBSD reserves the right to consider, in addition to price, any of the following factors:

A. The ability, capacity, and skill of the respondent to perform the contract.

B. Whether the respondent can perform the contract within the time specified without delay or interference.

C. The character, integrity, judgment, experience, and efficiency of the respondent.

D. The quality of performance by the respondent on previous contracts of a similar nature.

E. Whether the respondent is in arrears on any existing contract with the MSBSD or is in litigation, arbitration, or other legal dispute with the MSBSD.

F. Previous compliance by the respondent with laws and regulations relating to the contract.

G. The number and scope of conditions attached to the quote.

H. The number and scope of minor variations contained in the quote.

I. If the contract is one which will require future maintenance or repairs, the availability of replacements, replacement parts, and maintenance service for any machinery, equipment, or other material proposed to be installed or supplied by the respondent.

J. The quality, availability, and adaptability of the supplier, equipment, or contractual services to the particular use required.

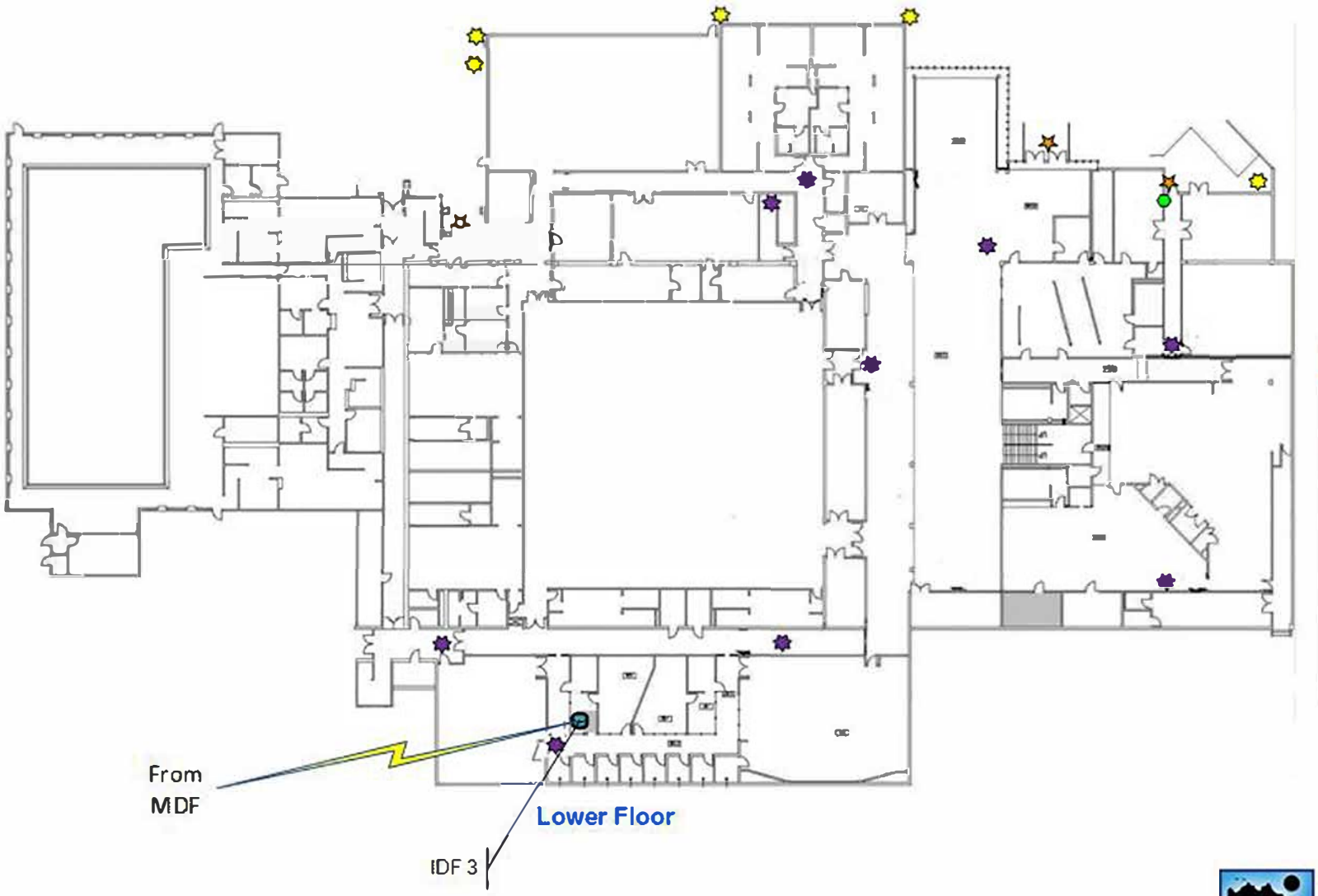
K. Whether the respondent is prepared to furnish supplies, equipment, or contractual services which meet the specifications of the MSBSD.

15. DISTRICT COORDINATION

All questions, clarifications, and frequency information shall be coordinated through MSBSD only. Respondents shall not contact AHJs or radio system owners directly unless authorized by the MSBSD.

IDF 3 Equipment

1 Enterasys CG3124-24P
2 Enterasys Cg3124-48P
1 Nortel Baystack 470-48P

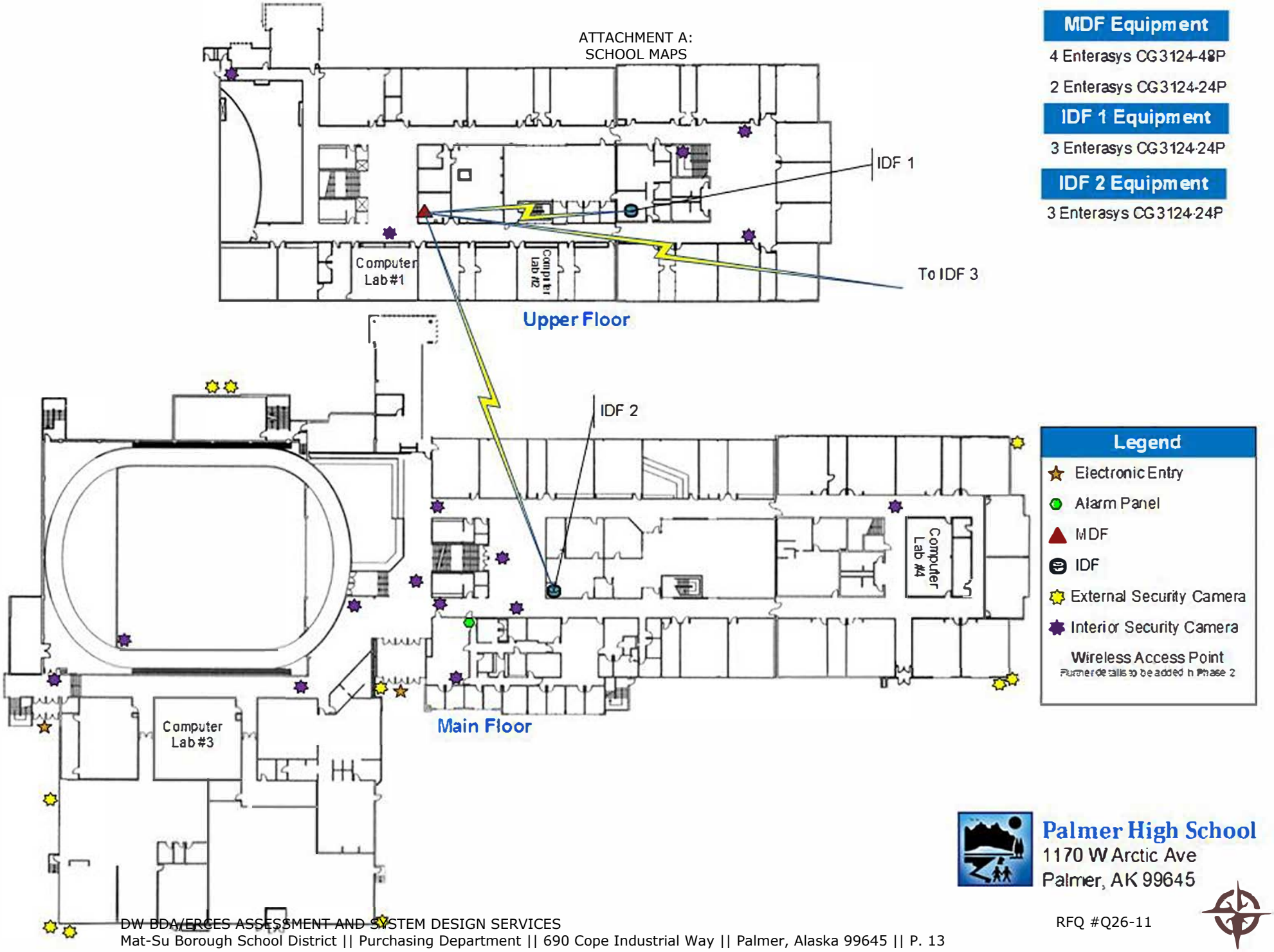


Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2

Palmer High School
1170 W Arctic Ave
Palmer, AK 99645

ATTACHMENT A:
SCHOOL MAPS



MDF Equipment

4 Enterasys CG3124-48P

2 Enterasys CG3124-24P

IDF 1 Equipment

3 Enterasys CG3124-24P

IDF 2 Equipment

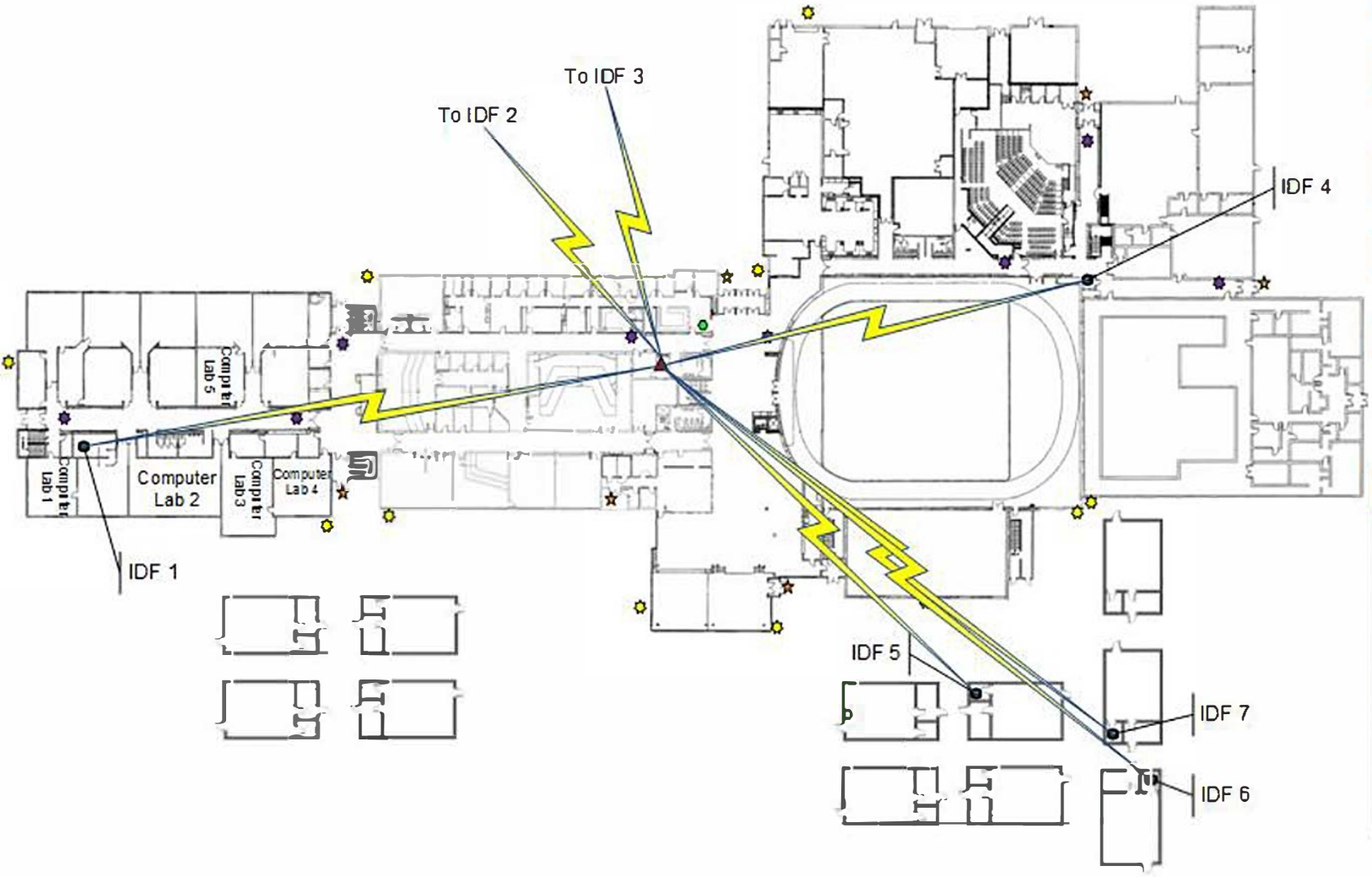
3 Enterasys CG3124-24P

Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point

Further details to be added in Phase 2

Palmer High School
1170 W Arctic Ave
Palmer, AK 99645



MDF Equipment

1 Enterasys CG3124-24P
4 Nortel Baystack 470-48P

IDF 1 Equipment

11 - Enterasys CG3124-48P

IDF 4 Equipment

11 - Enterasys CG3124-48P
1 Enterasys CG3124-24P

IDF 5 Equipment

1 - LinkSys SD50 5P

IDF 6 Equipment

1 - Nortel Baystack 470-48P

IDF 7 Equipment

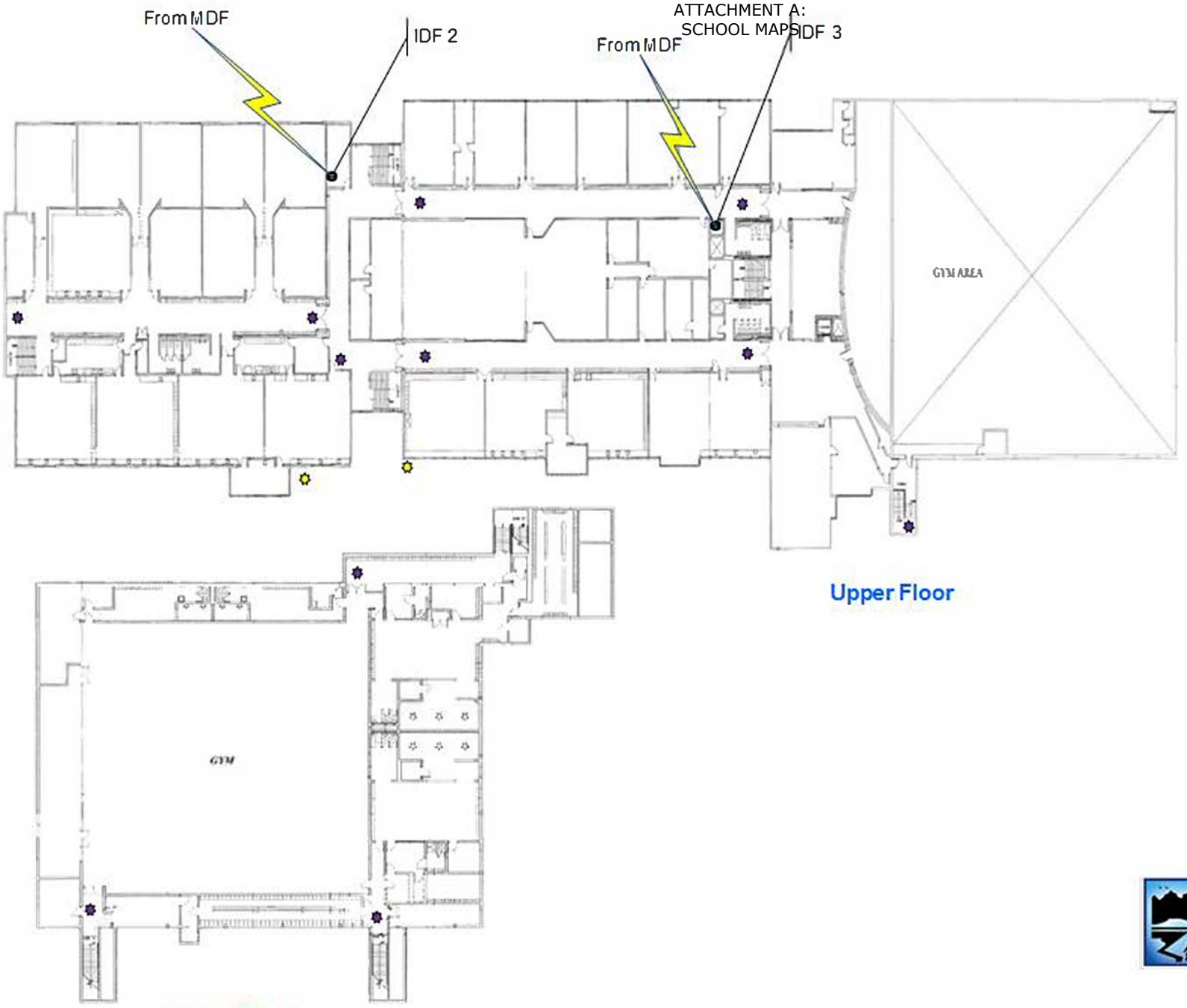
1 - Nortel Baystack 470-48P
1 Enterasys D2G124-12P

Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2

Main Floor and Portables

Wasilla High
701 E Bogard Rd
Wasilla, AK 99654



IDF 2 Equipment

1 - Enterasys CG3124-24P

1 - Enterasys CG3124-48P

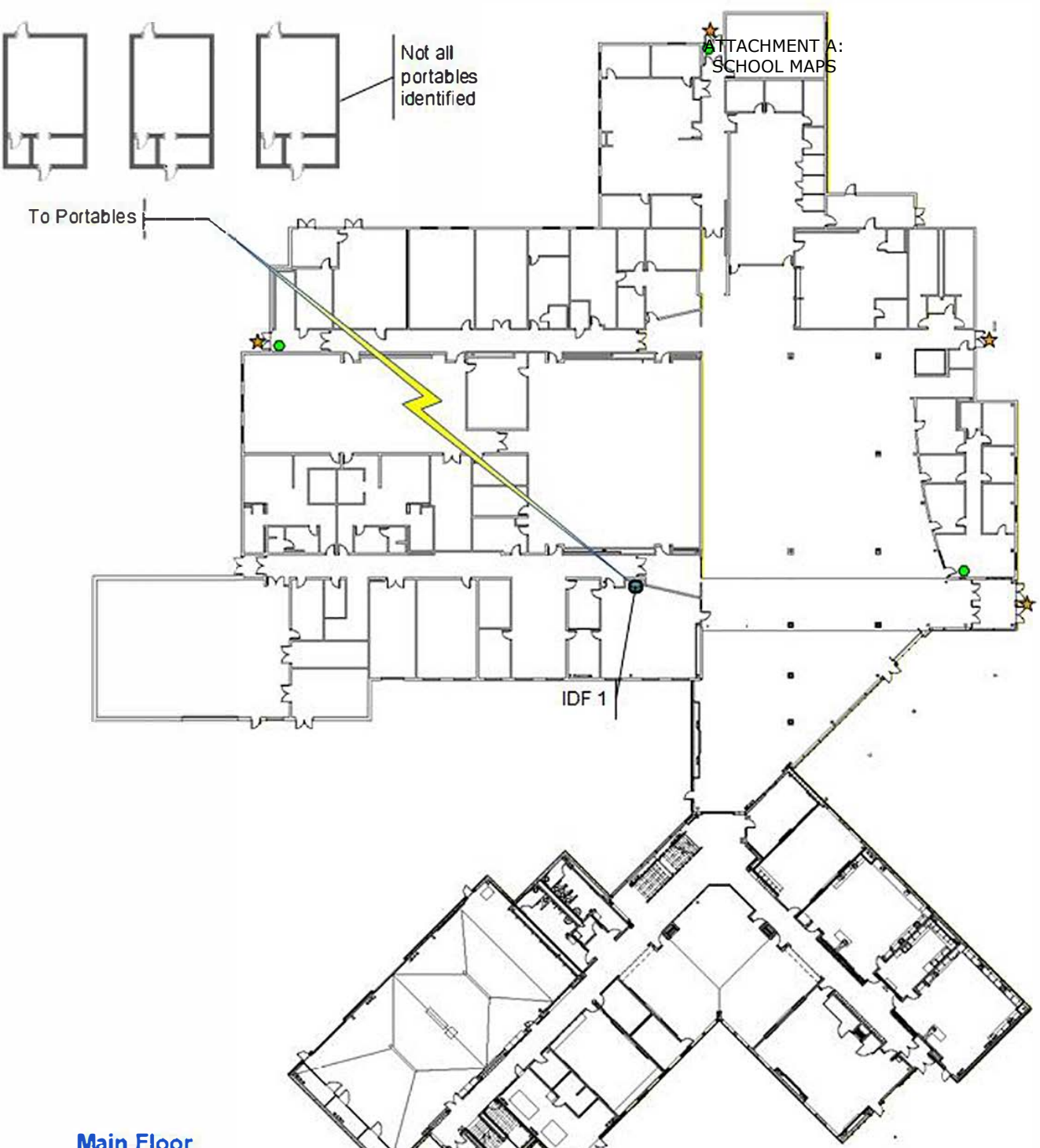
IDF 3 Equipment

3 - Enterasys CG3124-48P

Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase2

Wasilla High
701 E Bogard Rd
Wasilla, AK 99654



IDF 1 Equipment

TBD

IDF 2 Equipment

TBD

IDF 3 Equipment

TBD

IDF 4 Equipment

TBD

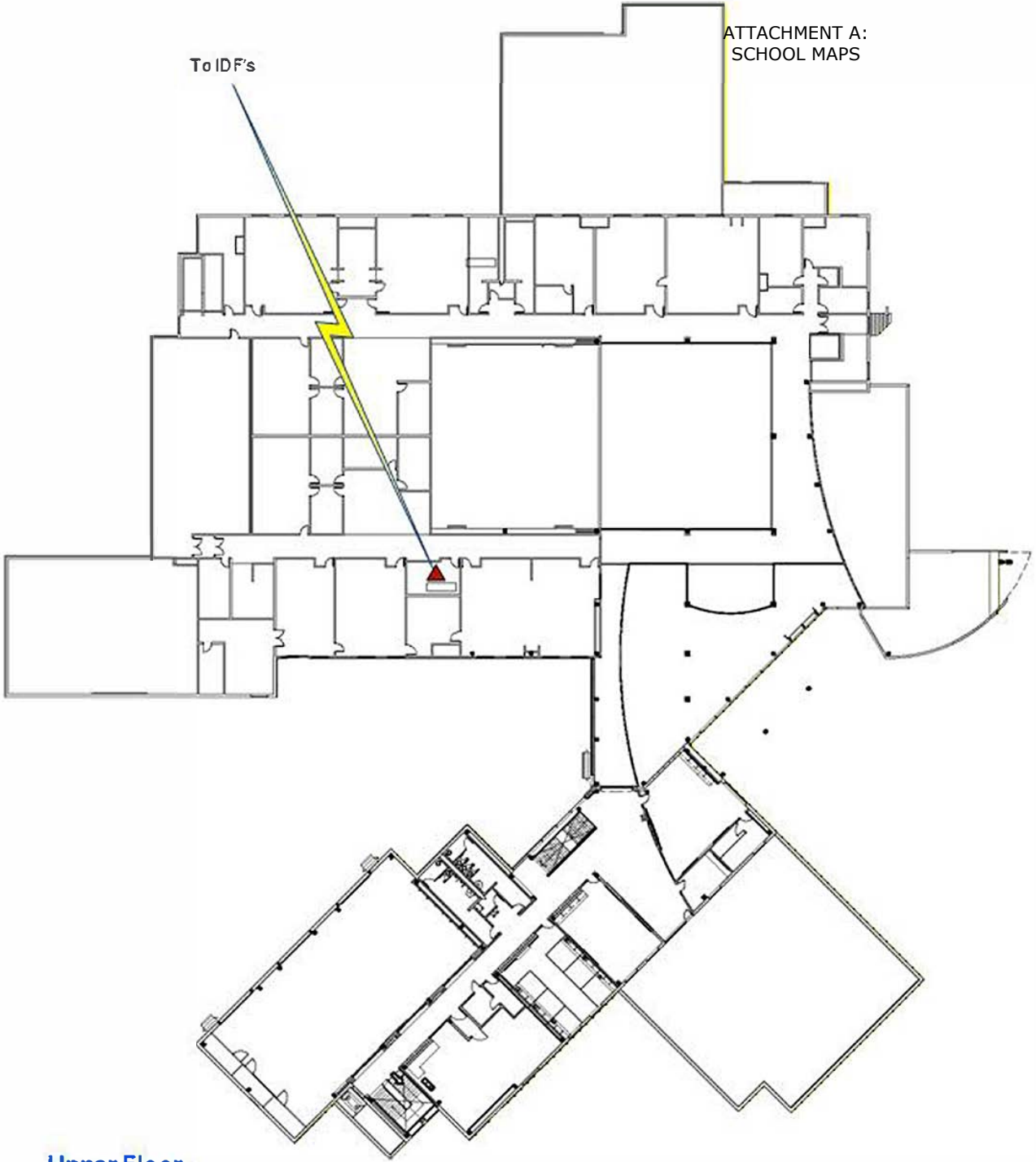
Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point

Further details to be added in Phase 2

Career Tech High
2472 N Seward-Meridian Pkwy
Wasilla, AK 99654

Main Floor



MDF Equipment

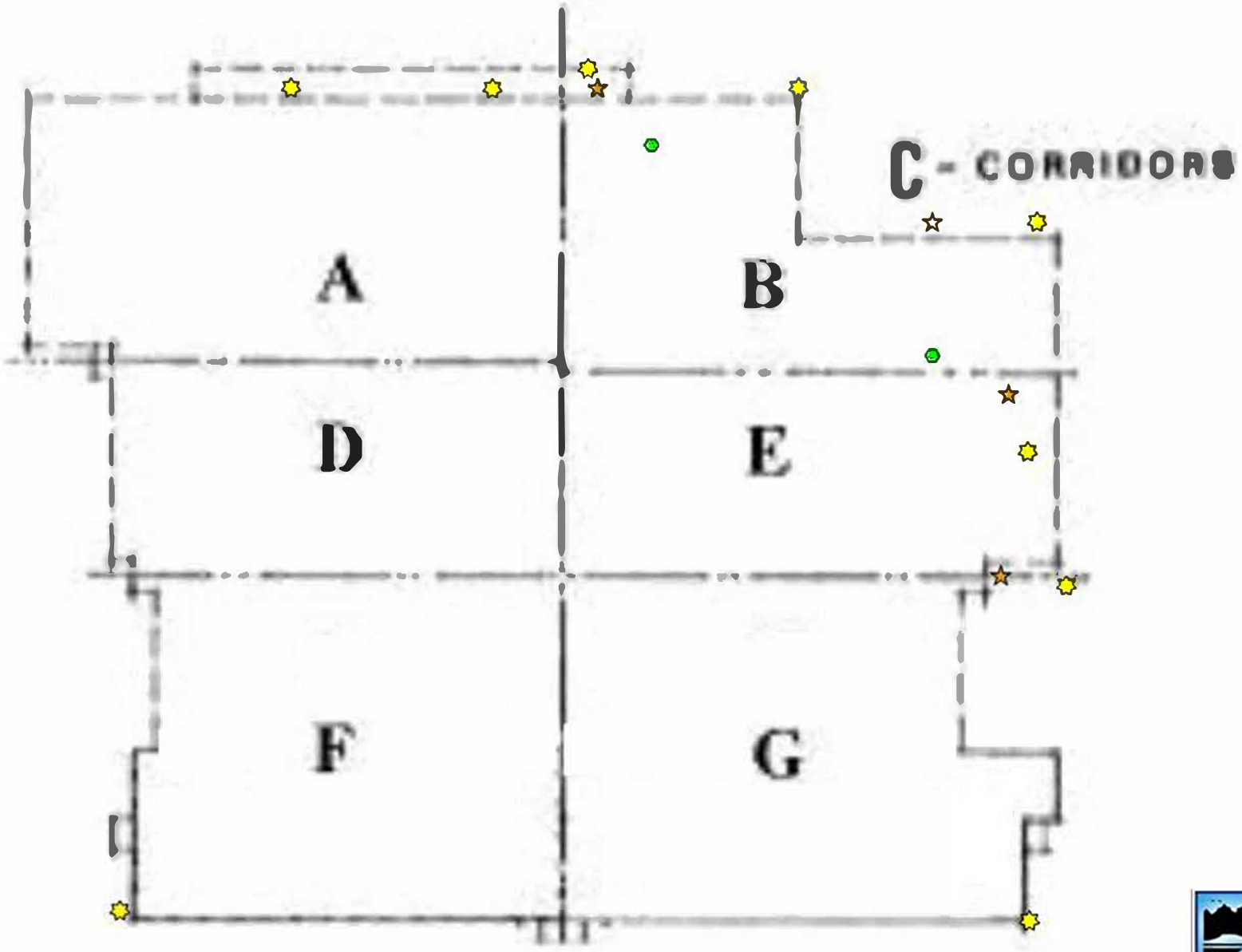
TBD

Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2

Career Tech High
2472 N Seward-Meridian Pkwy
Wasilla, AK 99654

Upper Floor



MDF Equipment

1 Enterasys CG3124-24P
1 Nortel Baystack 24P
2 Enterasys CG3124-48P
1 Nortel Baystack 380-24F
1 Enterasys C3K172-24P

IDF 1 Equipment

1 Enterasys CG3124-24P
3 Enterasys CG3124-48P
1 Nortel Baystack 24P

IDF 2 Equipment

1 Enterasys CG3124-24P
2 Enterasys CG3124-48P

IDF 3 Equipment

3 Enterasys CG3124-48P

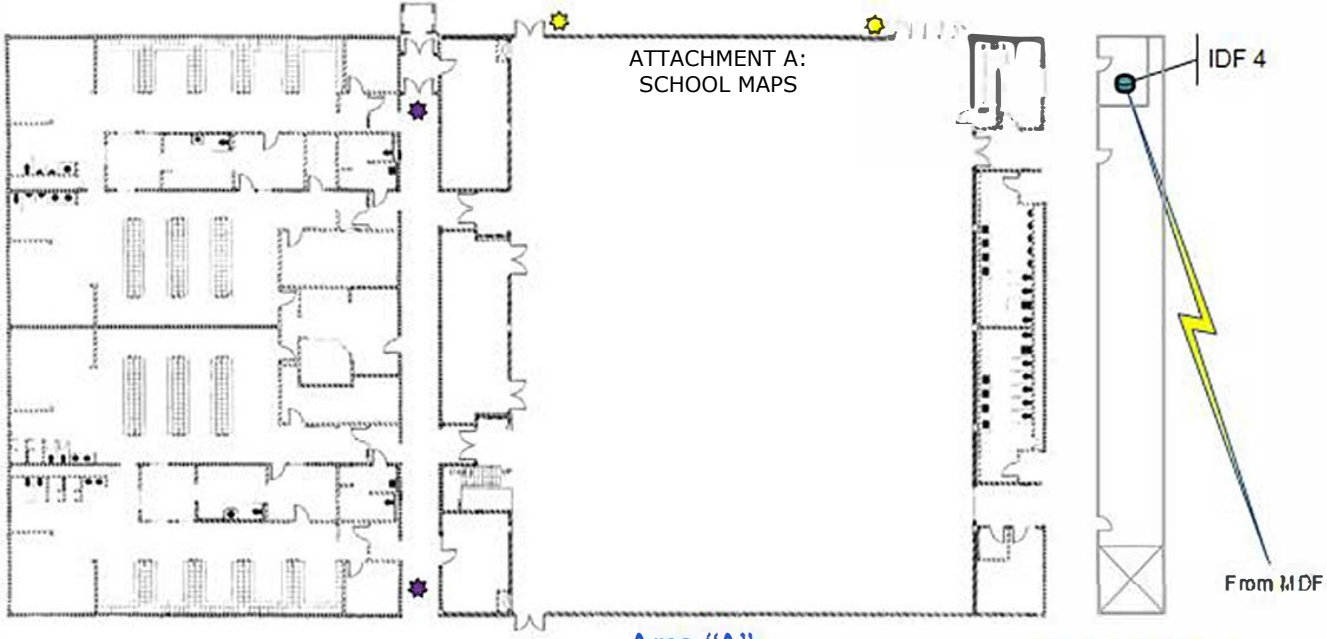
IDF 4 Equipment

1 Enterasys CG3124-24P
1 Nortel Baystack 470-24P

Legend

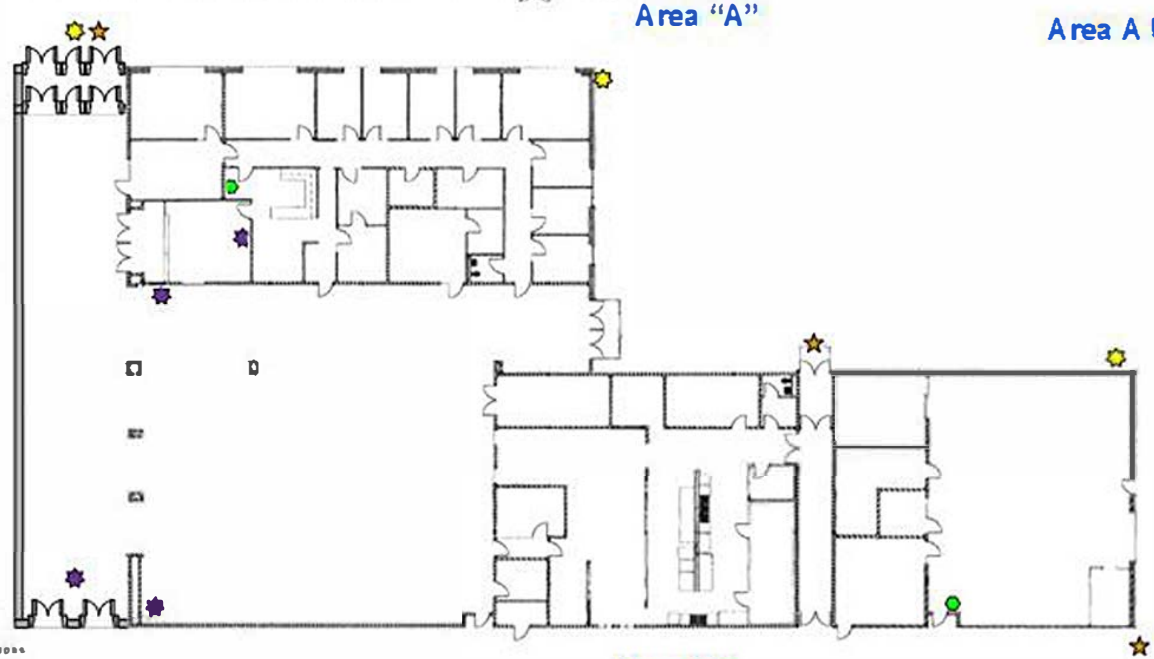
- Electronic Entry
- Alarm Panel
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- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2

Colony High
9550 E Colony Schools Dr
Palmer, AK 99645



Area "A"

Area A Upper



Area "B"

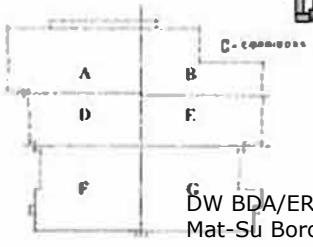
IDF 4 Equipment

1 Enterasys CG 312424P

1 Nortel Baystack 470-24P

Legend

- Electronic Entry
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- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2



Colony High
9550 E Colony Schools Dr
Palmer, AK 99645

IDF 1 Equipment

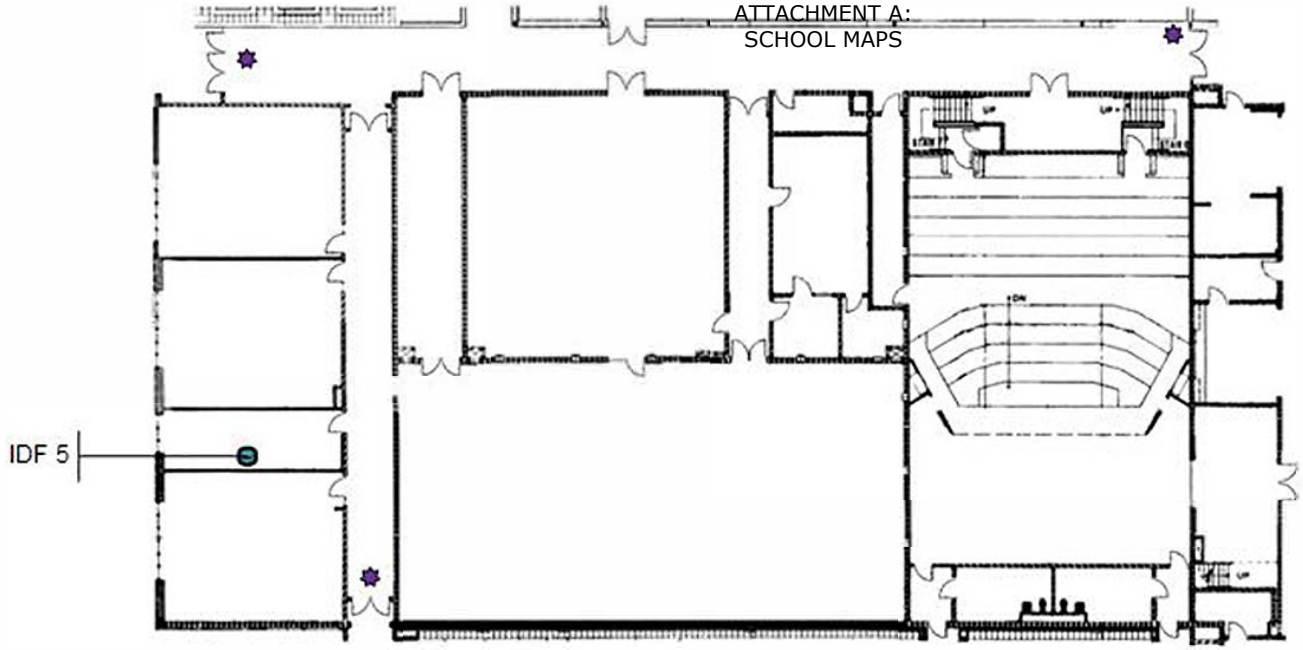
1 Enterasys CG3124-24P

3 Enterasys CG3124-48P

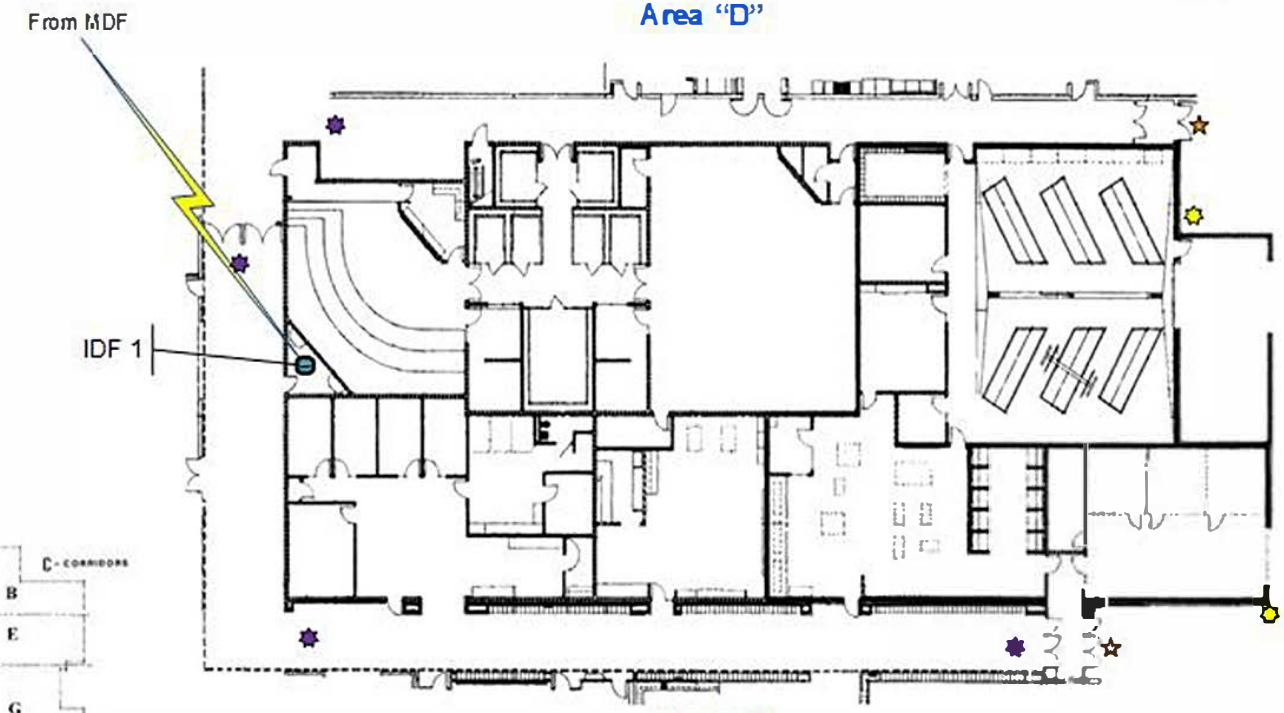
1 Nortel Baystack 24P

IDF 5 Equipment

2 Dell 2808 8P



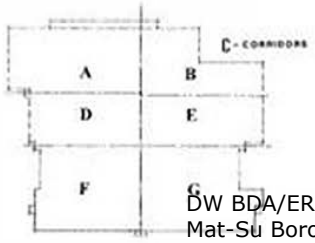
Area "D"



Area "E"

Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2

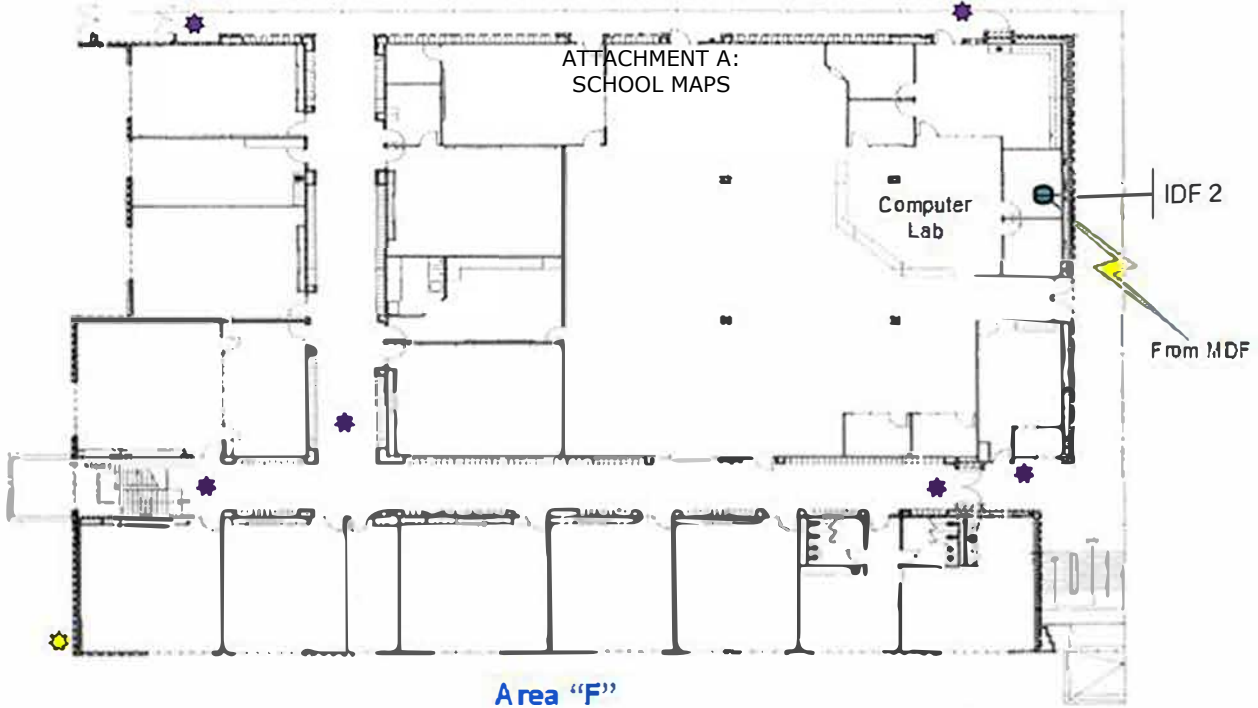


Colony High
9550 E Colony Schools Dr
Palmer, AK 99645

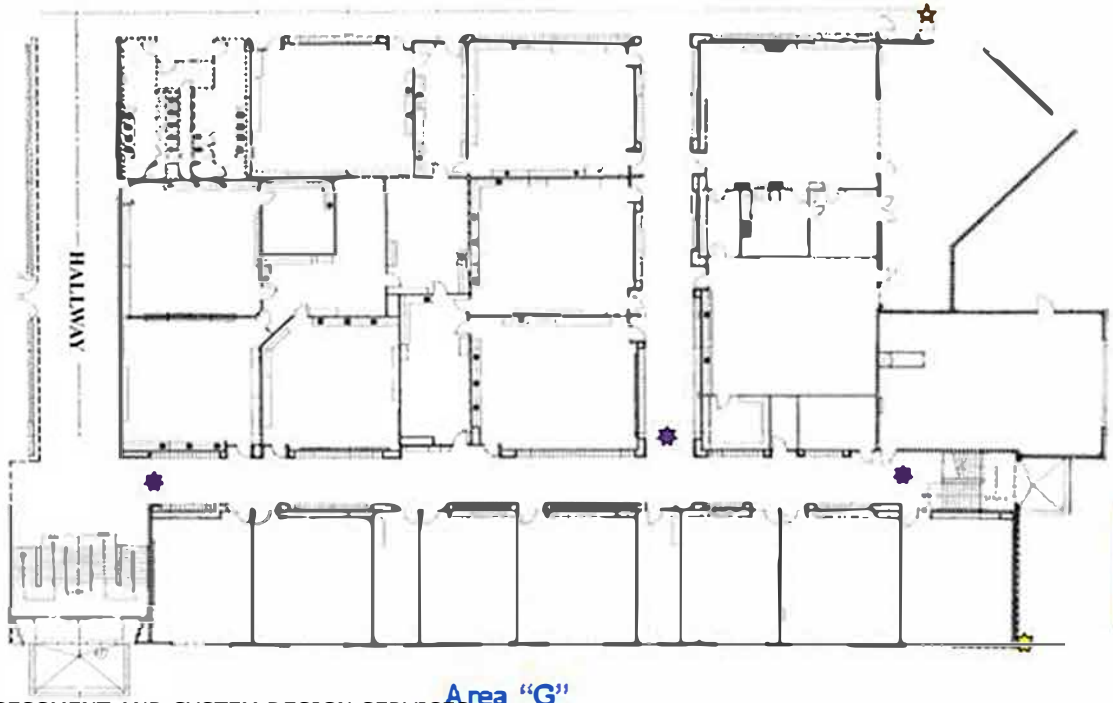
IDF 2 Equipment

1 Enterasys CG3124-24P

2 Enterasys CG3124-48P



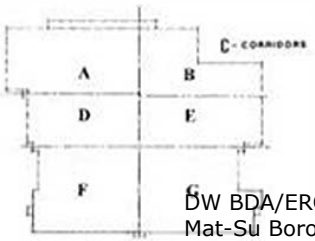
Area "F"



Area "G"

Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2



Colony High
9550 E Colony Schools Dr
Palmer, AK 99645

IDF 2 Equipment

2 Enterasys CG3124-48P

IDF 3 Equipment

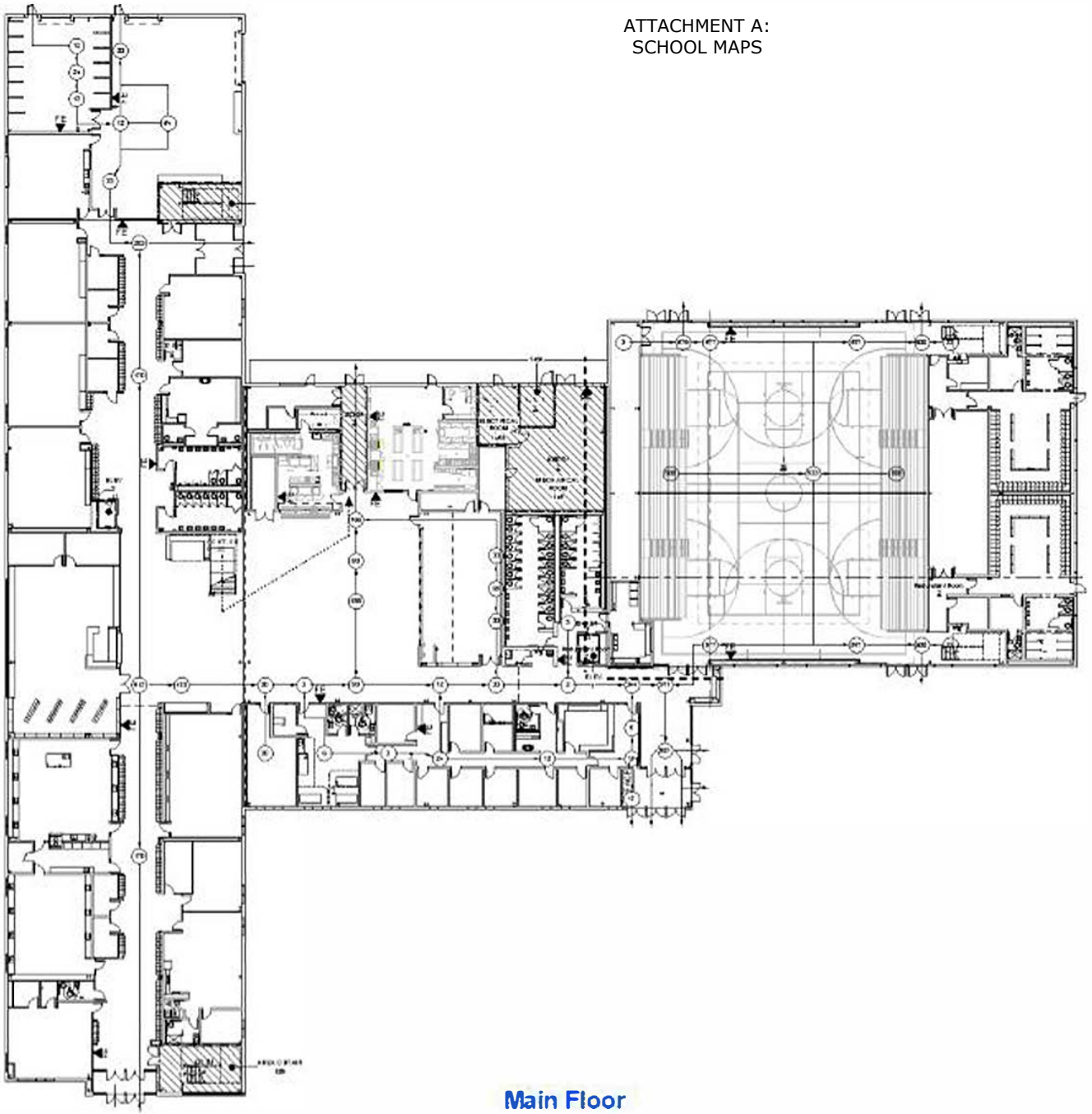
1 Enterasys CG3124-48P



Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2

Colony Middle
9520 E Colony Schools Dr
Palmer, AK 99645



Main Floor

MDF Equipment

TBD
TBD

IDF Equipment

TBD
TBD

IDF Equipment

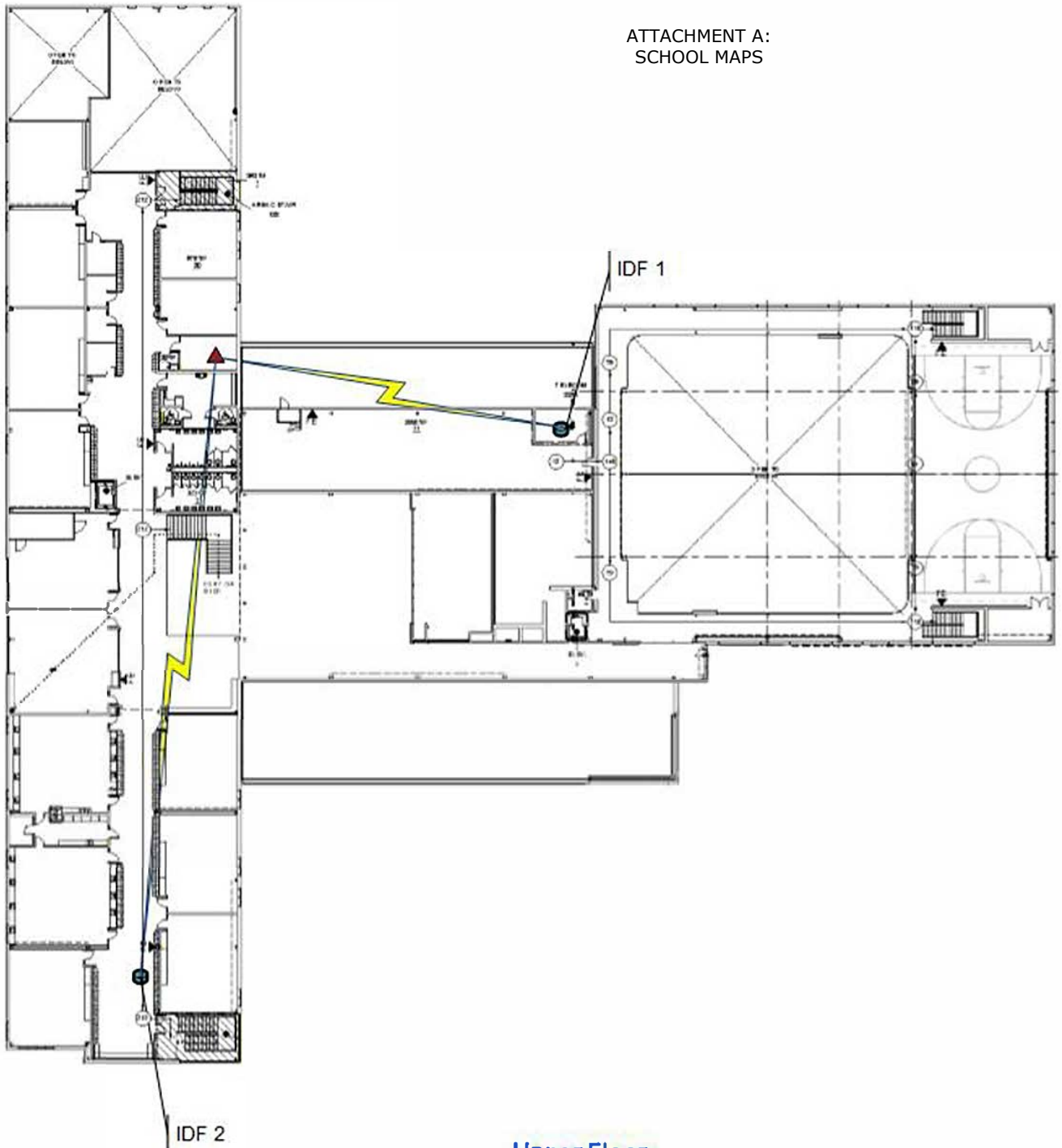
TBD
TBD

Note: Only MDF/IDF Legend Items are identified.

Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2

Houston High
12801 W Hawk Ln
Houston, AK 99694



Upper Floor

MDF Equipment

TBD

TBD

IDF Equipment

TBD

TBD

IDF Equipment

TBD

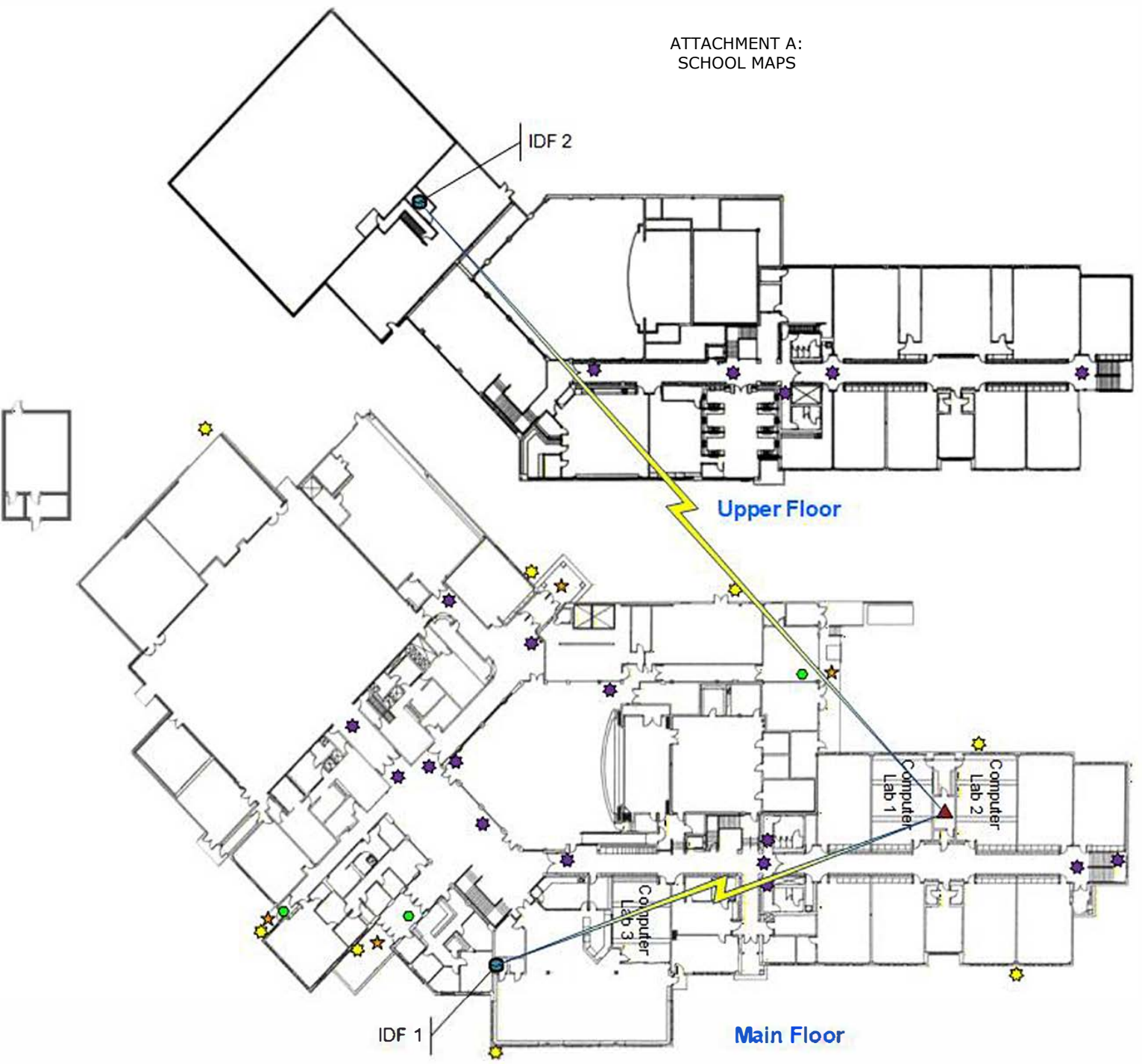
TBD

Note: Only MDF/IDF Legend Items are identified.

Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2

Houston High
12801 W Hawk Ln
Houston, AK 99694



MDF Equipment

1 Enterasys CG3124-24P
5 Enterasys CG3124-48P

IDF Equipment

1 Enterasys CG3124-24P
3 Enterasys CG3124-48P

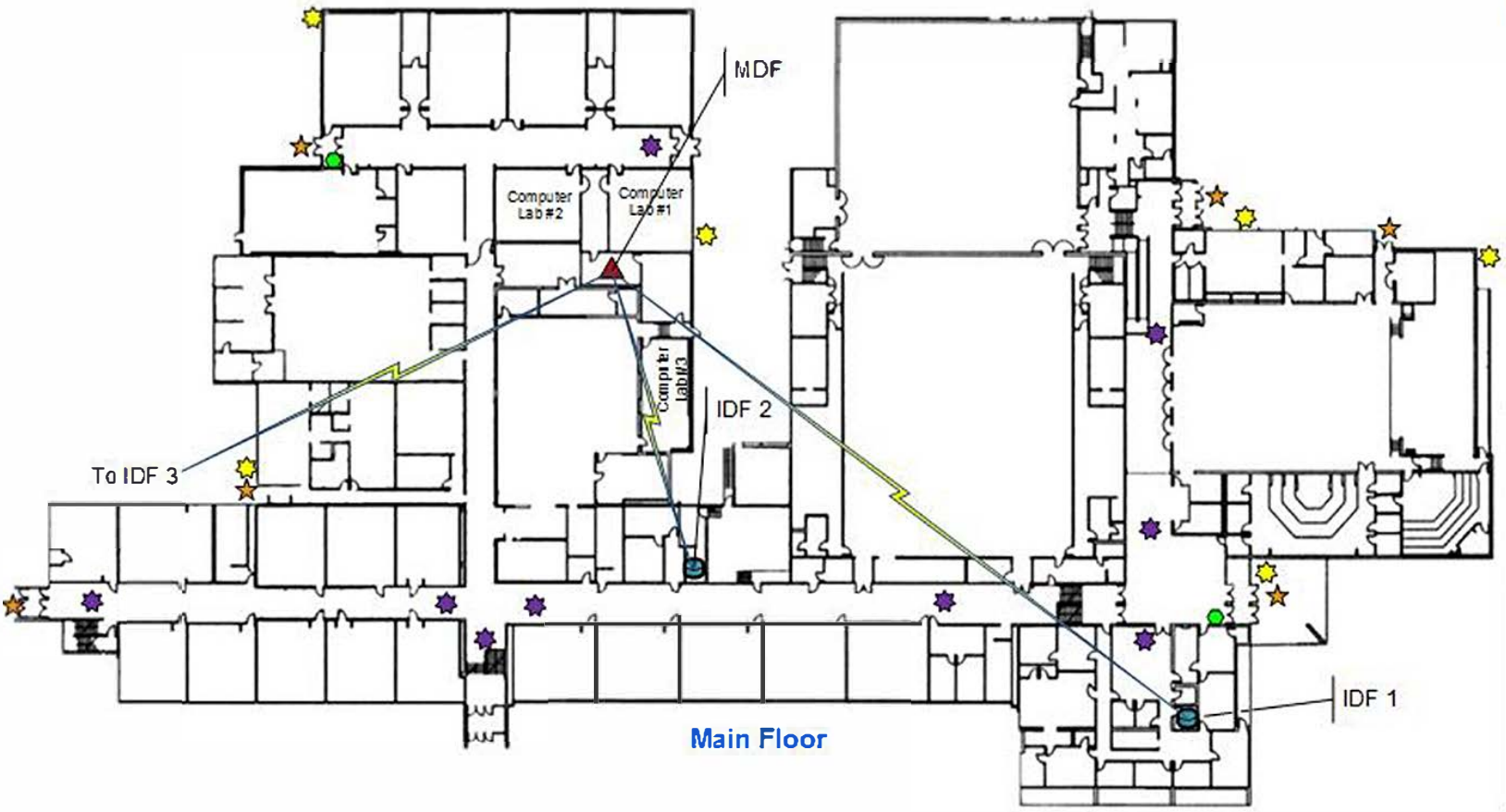
IDF Equipment

1 Enterasys CG3124-24P
1 Enterasys CG3124-48P

Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2

Houston Middle
12501 W Hawk Ln
Houston, AK 99694



MDF Equipment

1 Enterasys CG3124-24P

4 Enterasys CG3124-48P

IDF 1 Equipment

1 Enterasys CG3124-24P

1 Enterasys CG3124-48P

IDF 2 Equipment

1 Enterasys CG3124-24P

1 Enterasys CG3124-48P

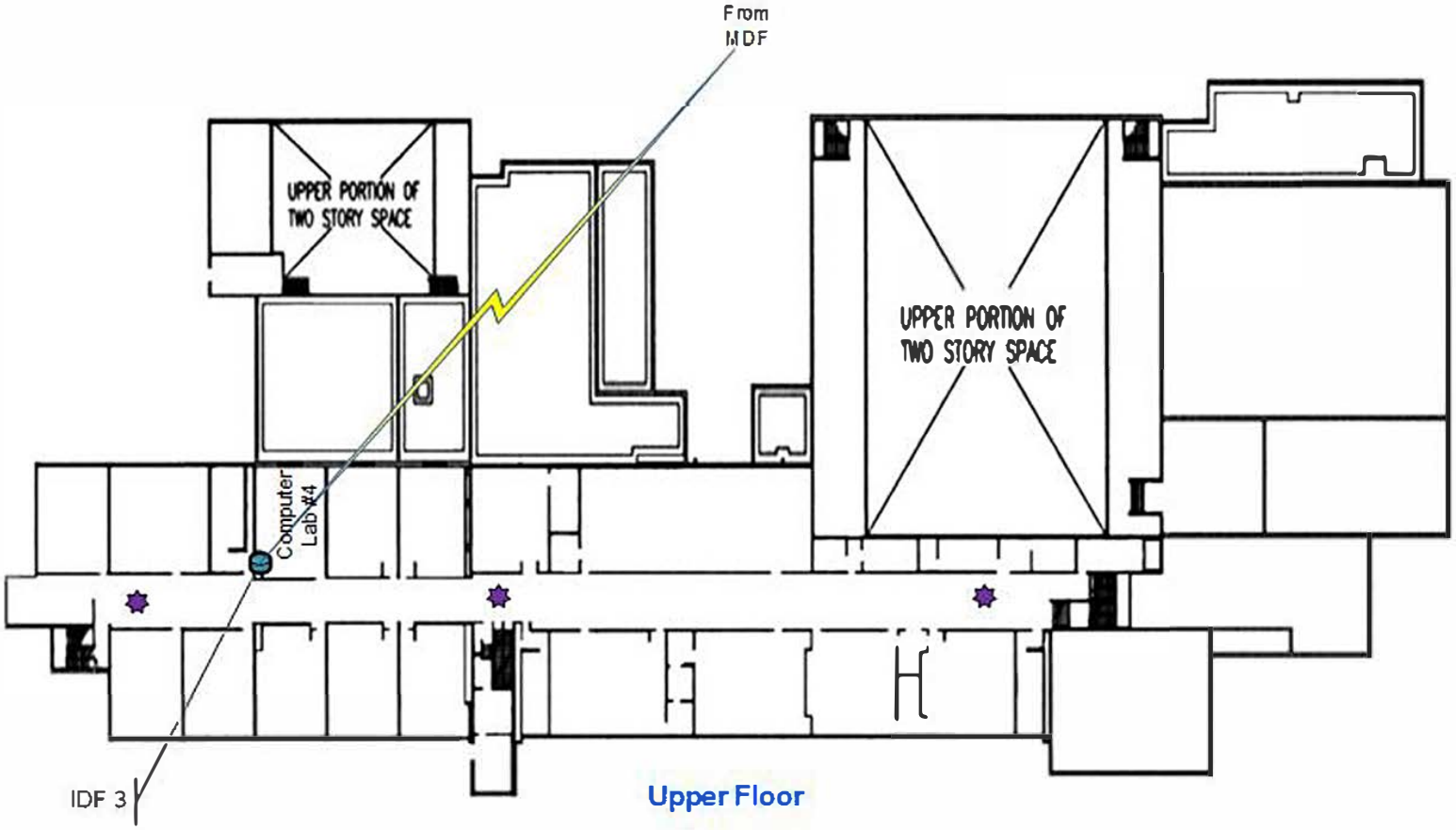
Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2

Palmer Junior Middle
1159 S Chugach
Palmer, AK 99645

IDF 3 Equipment

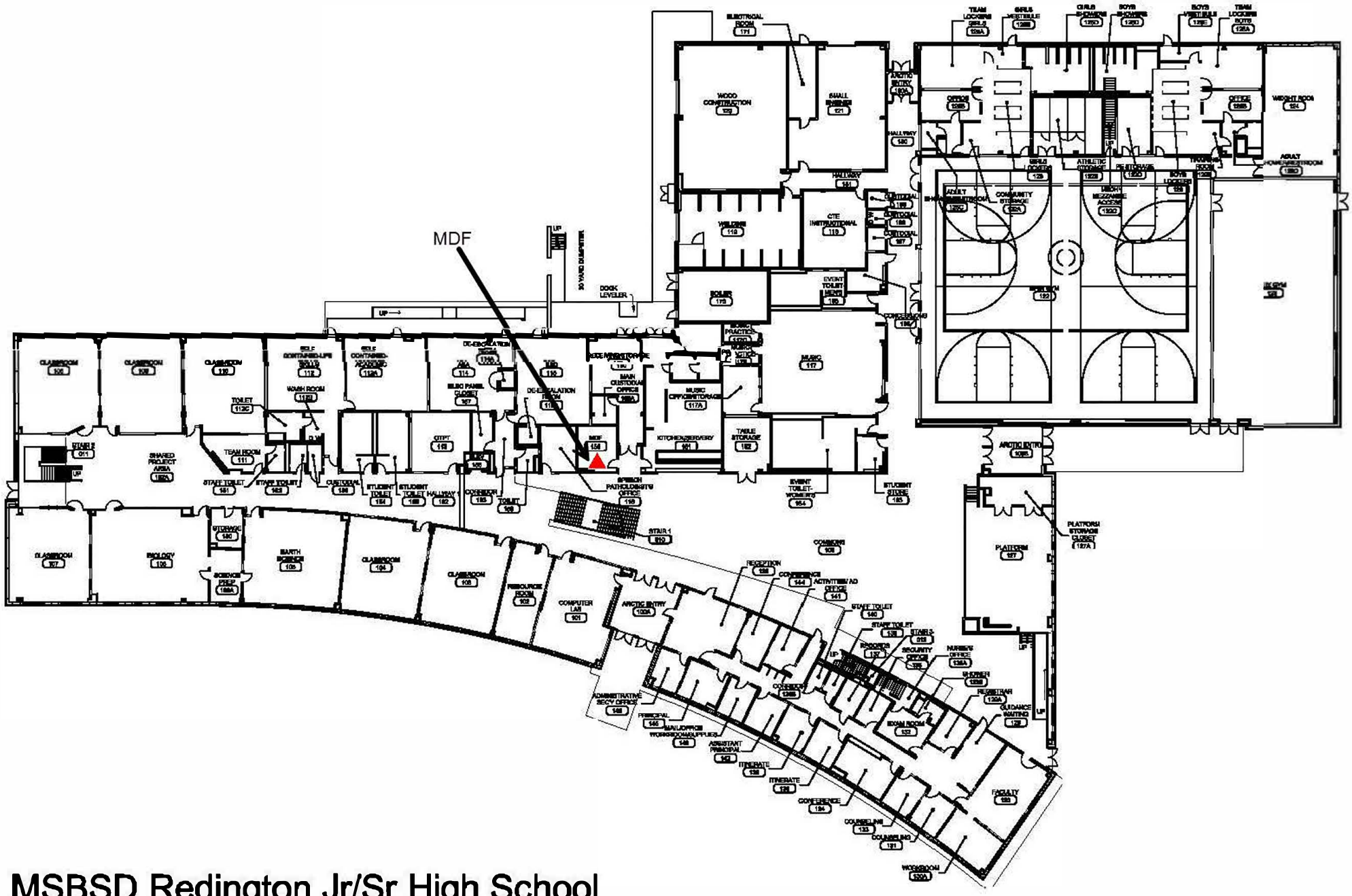
1 Enterasys CG3124-48P



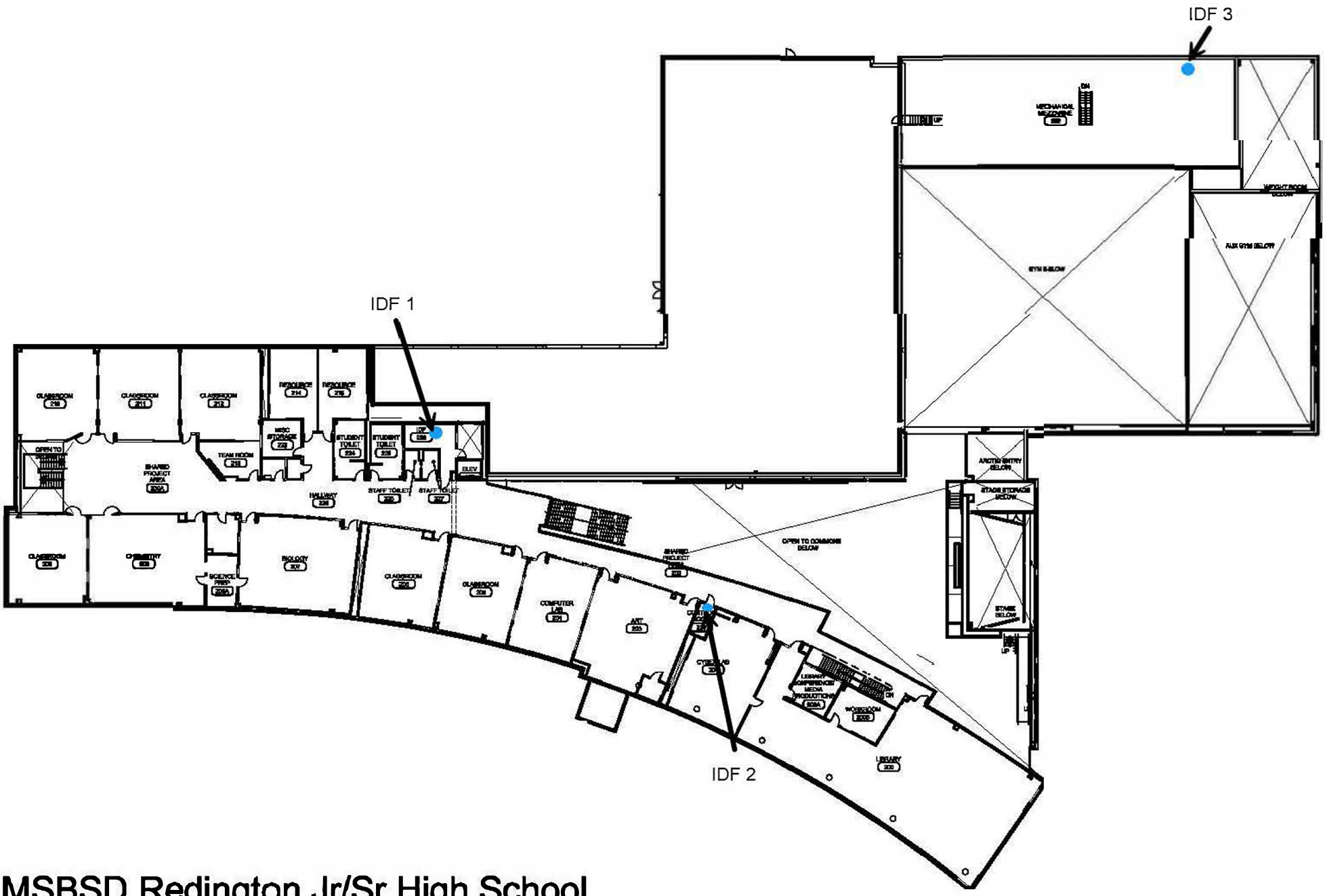
Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2

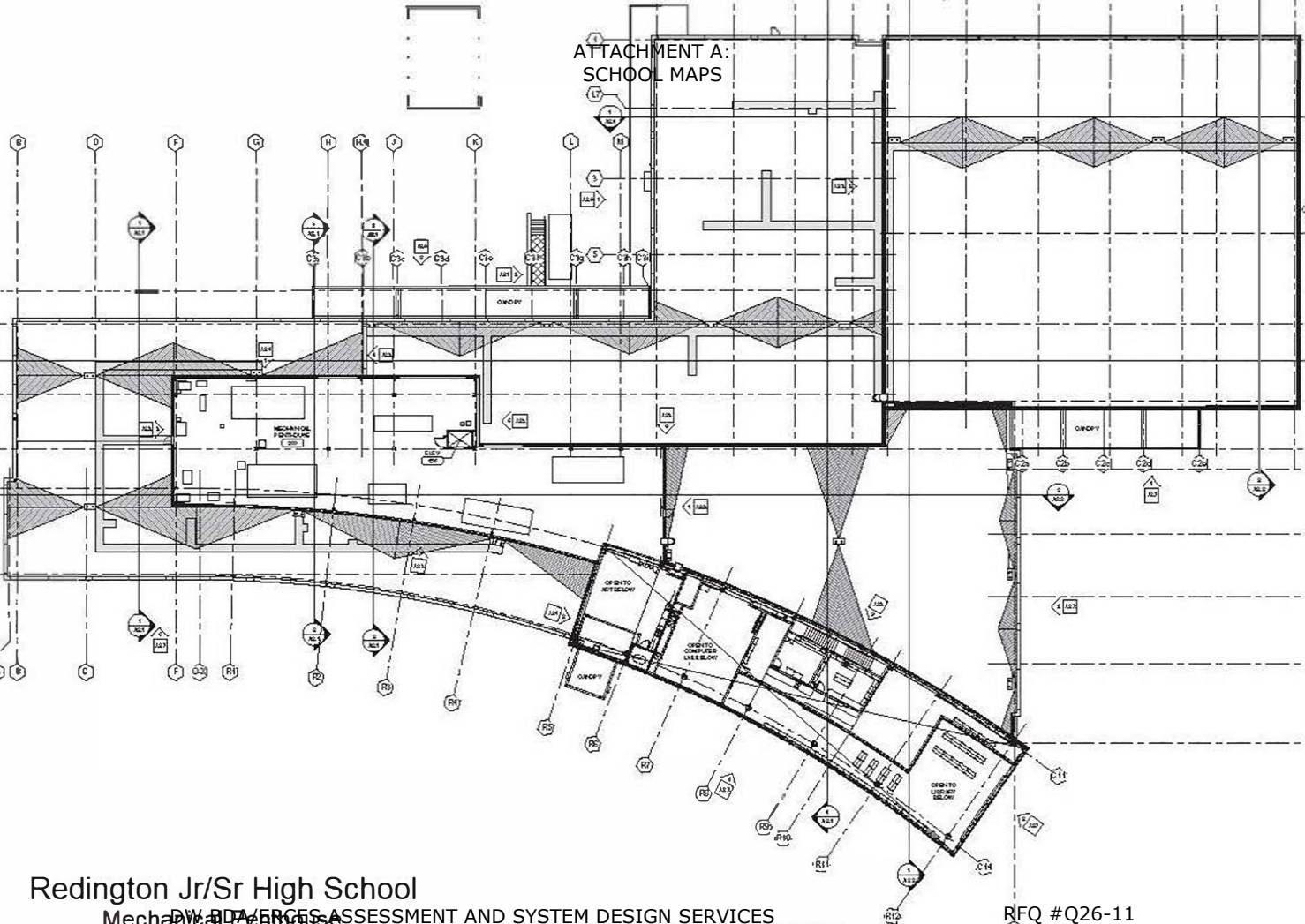
Palmer Junior Middle
1159 S Chugach
Palmer, AK 99645



MSBSD Redington Jr/Sr High School
First Floor Plan



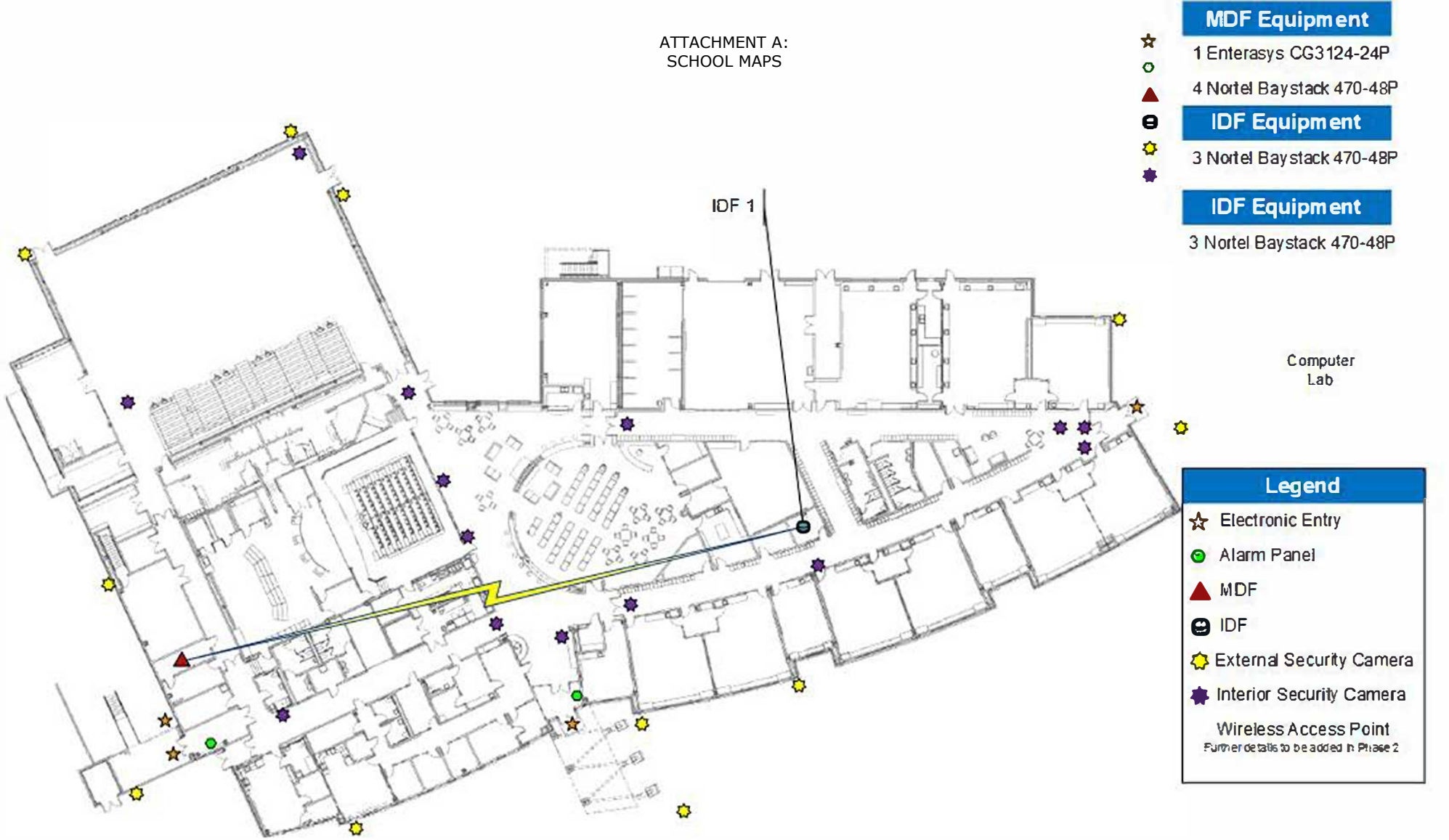
MSBSD Redington Jr/Sr High School
Second Floor Plan



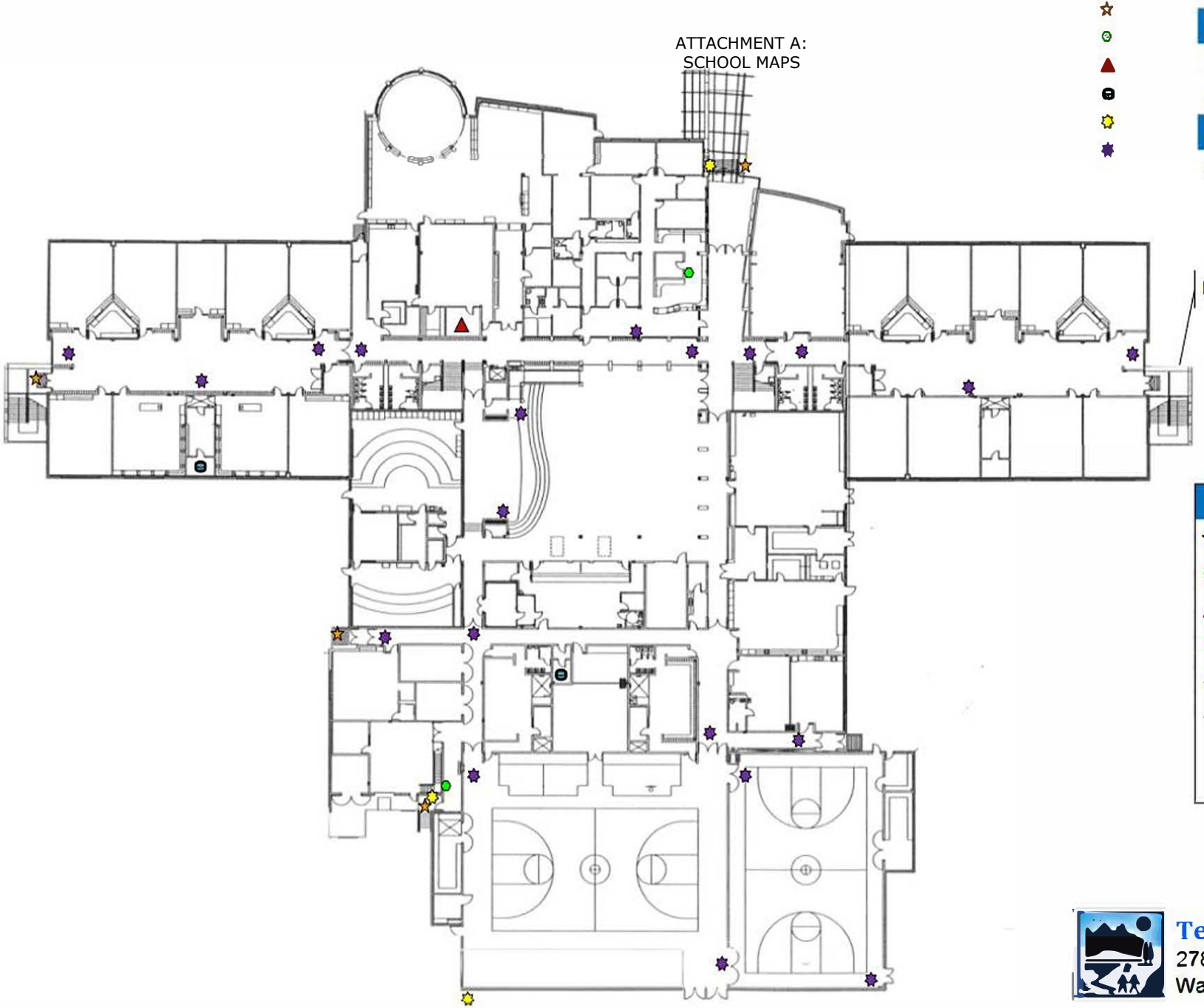
Redington Jr/Sr High School

Mechanical Penthouse

Note, No MDF or IDF located in this area



Su-Valley Jr/Sr High
42728 S Parks Hwy
Sunshine, AK 99676



MDF Equipment

1 Enterasys CG3124-24P

4 Nortel Baystack 470-48P

IDF Equipment

3 Nortel Baystack 470-48P

Upper Floor

Lower Floor

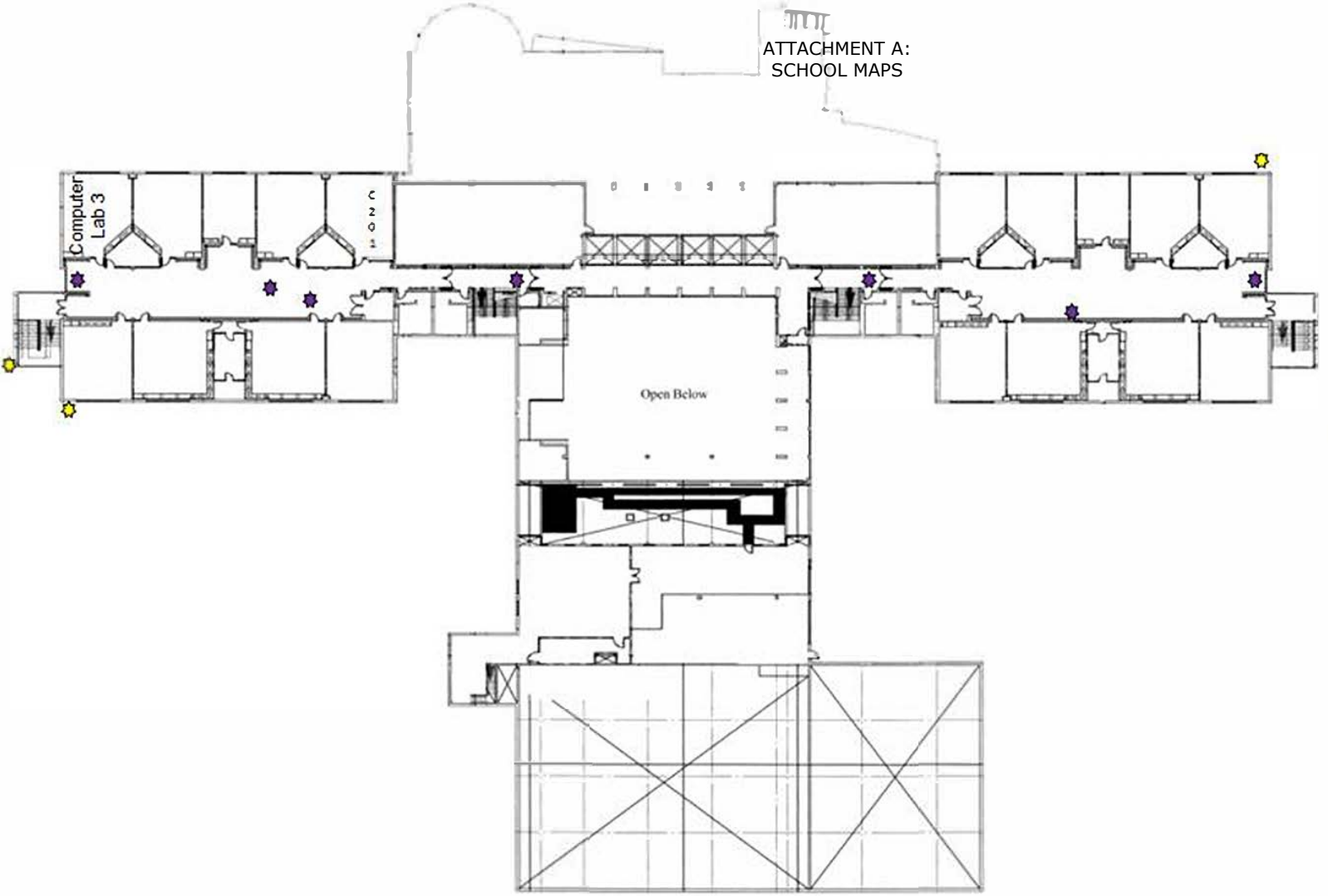
IDF 2

Computer Lab

Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2

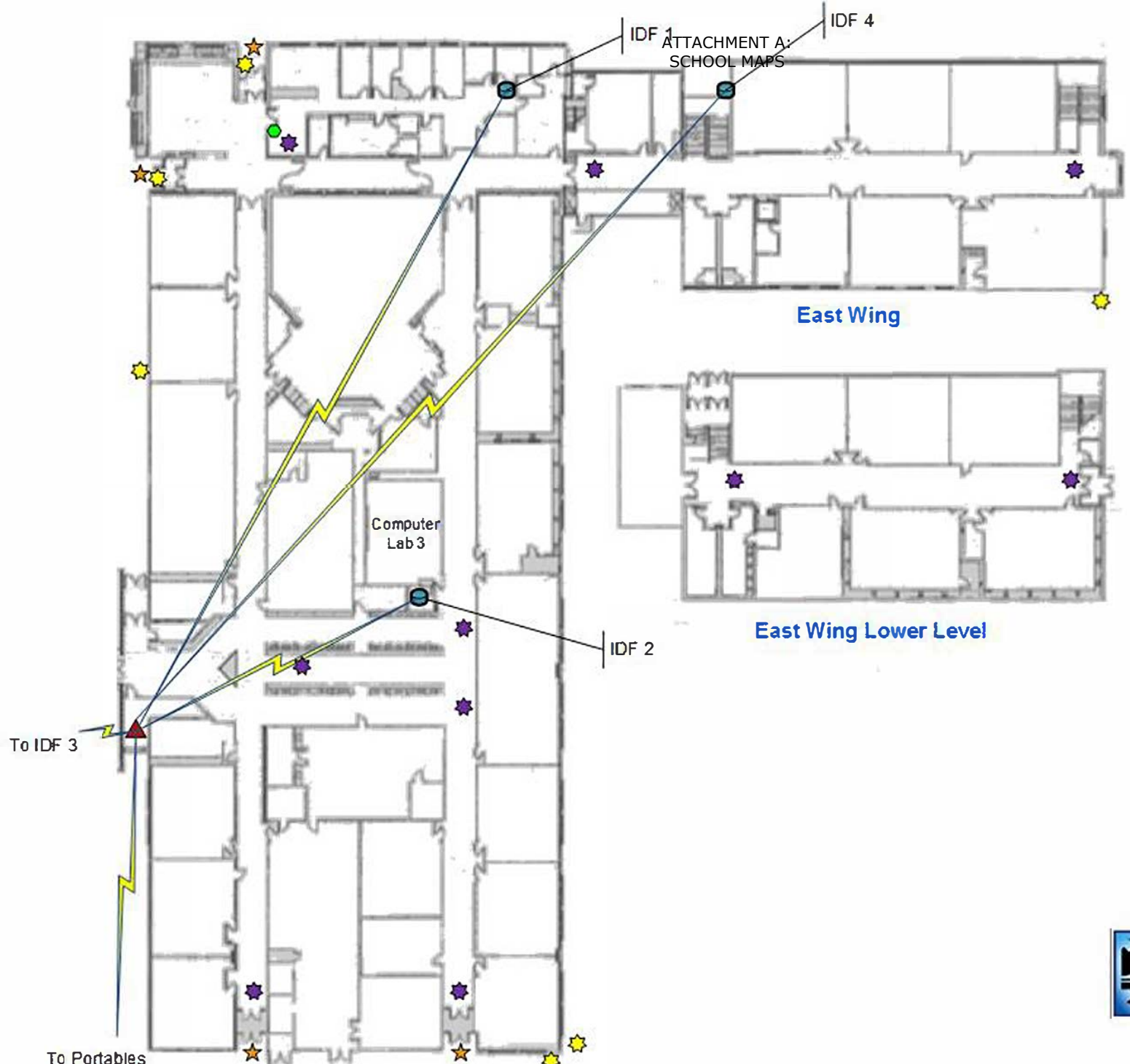
Teeland Elementary
2788 N Seward-Meridian Pkwy
Wasilla, AK 99654



Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2

Teeland Middle
2788 N Seward-Meridian Pkwy
Wasilla, AK 99654



MDF Equipment

1 Juniper 2320
2 Enterasys K10
1 Enterasys CG3124-24P

IDF 1 Equipment

1 Enterasys K10
1 Enterasys CG3124-24P

IDF 2 Equipment

1 Enterasys K10

IDF 4 Equipment

1 Enterasys K10

Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2

Wasilla Middle
650 Bogard Rd
Wasilla, AK 99654

IDF 4 Equipment

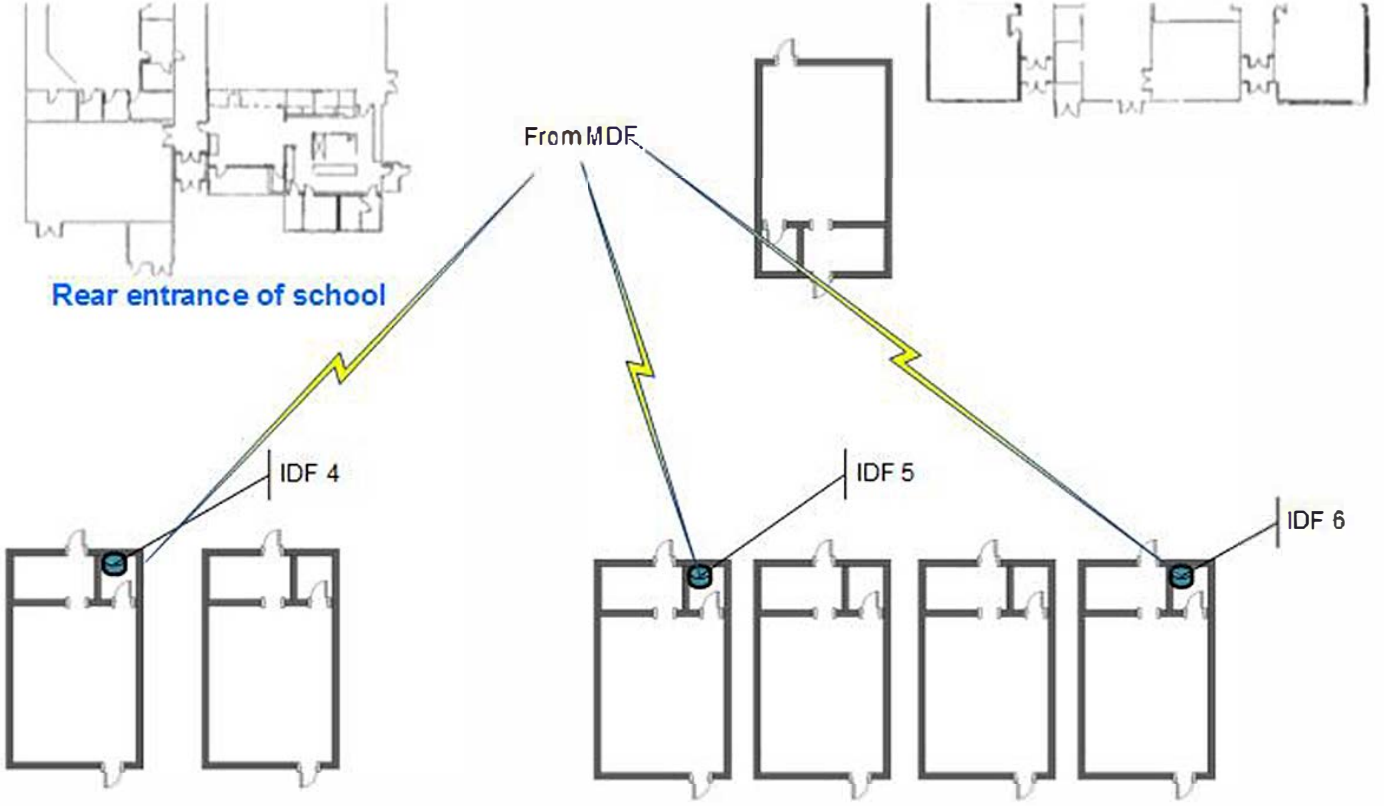
1Enterasys CG3124-48P

IDF 5 Equipment

1 Dell 2016 16P

IDF 6 Equipment

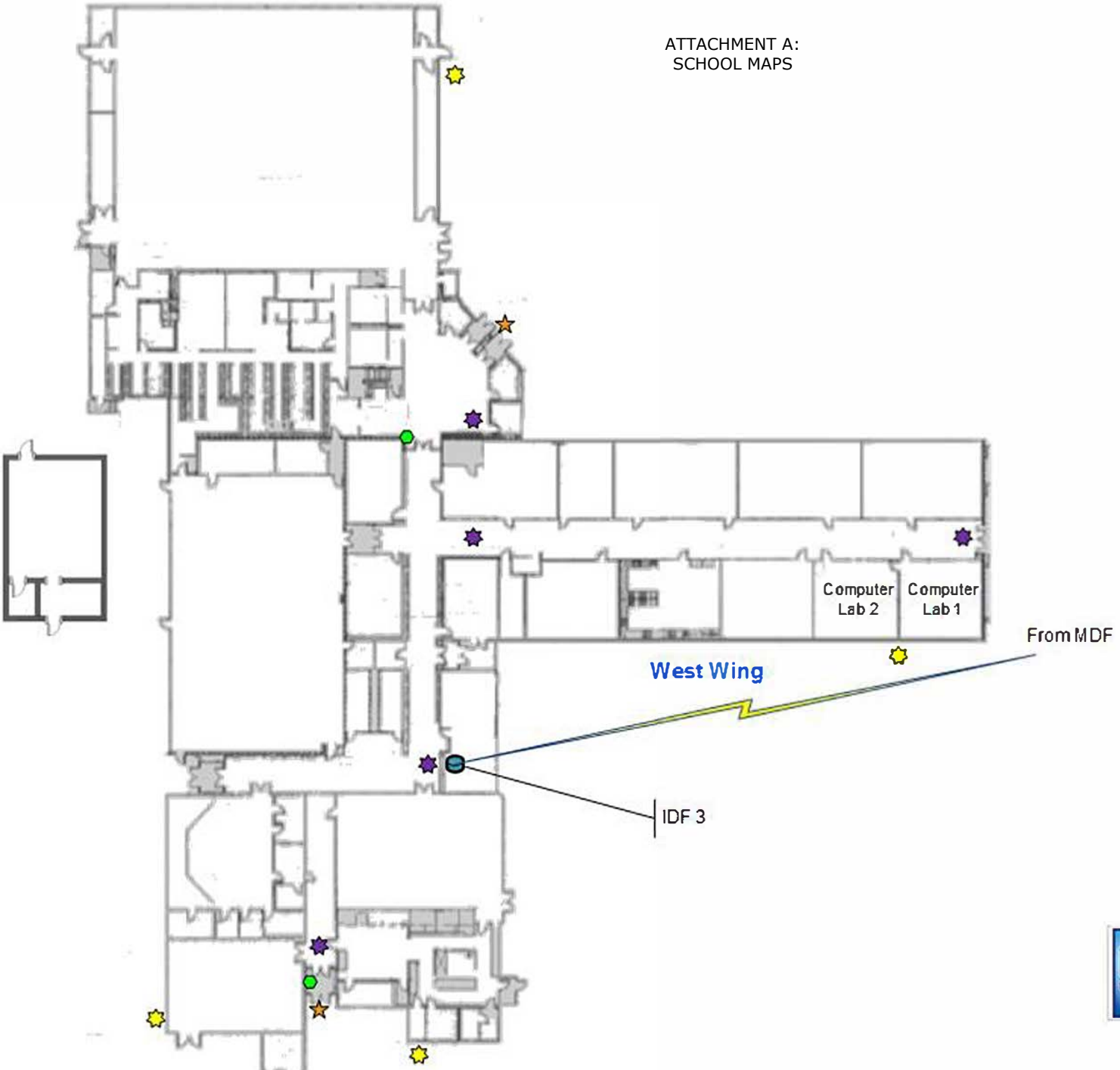
3COM CCGSU05 5P



Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2

Wasilla Middle
650 Bogard Rd
Wasilla, AK 99654



IDF 3 Equipment

1 Enterasys C5K125-48
1Enterasys D2G124-12P
1Enterasys C3G124-24P

Legend

- Electronic Entry
- Alarm Panel
- MDF
- IDF
- External Security Camera
- Interior Security Camera
- Wireless Access Point
  Further details to be added in Phase 2

Wasilla Middle
650 Bogard Rd
Wasilla, AK 99654

ATTACHMENT C:
QUOTE FORM

The undersigned hereby further proposes to furnish all services, including labor, equipment, supplies, and supervision necessary to conduct a BDA Assessment in full accordance with the Quote Documents.

BASE BID		
Item No.	**Location**	**Unit Price**
1	Palmer High School	$
2	Wasilla High School	$
	TOTAL BASE BID	**$**

ADDITIVE ALTERNATES		
3	Career and Technical High School	$
4	Colony High School	$
5	Colony Middle School	$
6	Houston High School	$
7	Houston Middle School	$
8	Palmer Junior Middle School	$
9	Redington Sr. Jr/Sr High School	$
10	Su-Valley Jr/Sr High School	$
11	Teeland Middle School	$
12	Wasilla Middle School	$
	TOTAL ADDITIVE ALTERNATES	**$**

Company: _____ _____
Printed Name Date

Contractor: _____
Signature

ATTACHMENT D:
SUSPENSION AND DEBARMENT CERTIFICATION

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION -- LOWER TIER COVERED TRANSACTIONS

NOTE: This certificate must be completed for all new and renewal contract years when the contract exceeds $25,000.

1. This contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such the contractor is required to verify that none of the contractor, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

2. The contractor must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.

3. This certification is a material representation of fact relied upon by the Matanuska-Susitna Borough School District (MSBSD). If it is later determined that the contractor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to the State of Alaska and the MSBSD, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

4. The bidder or proposer agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

A. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

B. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

_____

Organization Name

_____

Names(s) and Title(s) of Authorized Representative(s)

_____ _____

Signature(s) Date

ATTACHMENT E:
CLEAN AIR AND WATER CERTIFICATION:

CLEAN AIR ACT AND THE FEDERAL WATER POLLUTION CONTROL ACT

Contracts of amounts in excess of $150,000 must contain a provision that requires the contractor to agree to comply with all applicable standards, orders, 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). Violations must be reported to the Federal Awarding Agency and the Regional Office of the Environmental Protection Agency. See 2 C.F.R. Part 200, Appendix II, ¶ G.

1. Clean Air Act

   A. The contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.

   B. The contractor agrees to report each violation to the State of Alaska and understands and agrees that the State of Alaska will, in turn, report each violation as required to assure notification to the Matanuska-Susitna Borough School District (MSBSD), Federal Awarding Agency, and the appropriate Environmental Protection Agency Regional Office.

   C. The contractor agrees to include these requirements in each subcontract exceeding $150,000 financed in whole or in part with Federal assistance provided by the Federal Awarding Agency.

2. Federal Water Pollution Control Act

   A. The contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.

   B. The contractor agrees to report each violation to the State of Alaska and understands and agrees that the State of Alaska will, in turn, report each violation as required to assure notification to the Matanuska-Susitna Borough School District (MSBSD), Federal Awarding Agency, and the appropriate Environmental Protection Agency Regional Office.

   C. The contractor agrees to include these requirements in each subcontract exceeding $150,000 financed in whole or in part with Federal assistance provided by the Federal Awarding Agency.

Organization Name

Names(s) and Title(s) of Authorized Representative(s)

Signature(s) Date

ATTACHMENT F:
CERTIFICATION REGARDING LOBBYING/DISCLOSURE OF LOBBYING ACTIVITIES

BYRD ANTI-LOBBYING AMENDMENT, 31 U.S.C. § 1352 (as amended)

Contractors who apply or bid for an award of $100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient.

APPENDIX A, 44 C.F.R. PART 18 – CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements

To be submitted with each bid or offer exceeding $100,000.

The undersigned Contractor certifies, to the best of his or her knowledge, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

2. 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 this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

The Contractor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.

Organization Name

Names(s) and Title(s) of Authorized Representative(s)

Signature(s) Date

ATTACHMENT G:
RECOVERED MATERIALS CERTIFICATION

CERTIFICATION REGARDING PROCUREMENT OF RECOVERED MATERIALS

A non-Federal entity that is a state agency or agency of a political subdivision of a state and its contractors must comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. See 2 C.F.R. Part 200, Appendix II(J); and 2 C.F.R. § 200.322.

The requirements of Section 6002 include procuring only items designated in guidelines of the EPA at 40 C.F.R. Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds $10,000 or the value of the quantity acquired by the preceding fiscal year exceeded $10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired:

- Competitively within a timeframe providing for compliance with the contract performance schedule;
- Meeting contract performance requirements; or
- At a reasonable price.

Information about this requirement, along with the list of EPA-designated items, is available at EPA's Comprehensive Procurement Guidelines web site, https://www.epa.gov/smm/comprehensive-procurement-guideline-cpg-program.

The Contractor also agrees to comply with all other applicable requirements of Section 6002 of the Solid Waste Disposal Act.

Organization Name

Names(s) and Title(s) of Authorized Representative(s)

Signature(s) Date

MATANUSKA-SUSITNA
BOROUGH SCHOOL DISTRICT

PURCHASING

PROPOSED SUBCONTRACTORS AND SUPPLIERS LIST

NOTE: Please return this list within five (5) days after receipt. Put an "X" in the right columns indicating if the company is a sub-contractor or a supplier.

#	ITEM	CONTRACTOR NAME, ADDRESS, & EMAIL	SUB	SUP
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

SIGNATURE _____ COMPANY NAME _____ DATE _____

690 Cope Industrial Way Palmer, Alaska 99645
P• 907.861.5120 F• 907.861.5184
www.matsuk12.us

Matanuska-Susitna Borough School District Insurance Matrix for Professional Service Contracts (PSCs)			
Low Risk	**Moderate Risk**	**High Risk**	**Professional Risk**
Analytical Studies or Surveys	Dance	Construction Management	Architecture
Art Workshops	Drivers Education/Taxi Service	Engineering	Audiology
Assembly Events	Gymnastics	Insurance, Actuarial, TPA	Financial Audit
DJ Services	Karate	Legal Services	Consulting
Ergonomics	Live Animal Demonstration	Medical Professional Services	Counseling
Marketing	Music Lessons		Engineering
Media Productions	Ropes Course		IT Projects and Consulting
Office Equipment Maintenance	Training - Outside Classroom		Legal Services
Professional Development	Tutoring		Occupational Therapy
Training - Classroom Setting			Sign Language Interpreter

Minimum Insurance Requirements: Additional coverage may be required according to the exposure			
General Liability	**General Liability**	**General Liability**	**Professional Liability**
$1 Million Per Occurrence	$1 Million Per Occurrence	$1 Million Per Occurrence	$1 Million Per Occurrence
$1 Million Products/Completed Operations & General Aggregate	$1 Million Products/Completed Operations & General Aggregate	$2 Million Products/Completed Operations & General Aggregate	2 year extended reporting provision
Additional Language: Additional Insured & Waiver of Subrogation. Contractors working w/children, without District personnel present, shall endorse the General Liability policy to extend coverage for Wrongful Acts including Abuse and Molestation.	**Additional Language:** Additional Insured & Waiver of Subrogation. Contractors working w/children, without District personnel present, shall endorse the General Liability policy to extend coverage for Wrongful Acts including Abuse and Molestation.	**Additional Language:** Additional Insured & Waiver of Subrogation. Contractors working w/children, without District personnel present, shall endorse the General Liability policy to extend coverage for Wrongful Acts including Abuse and Molestation.	**Additional Language:** Contractors working w/children, without District personnel present, shall endorse the Professional Liability policy to extend coverage for Wrongful Acts including Abuse and Molestation.
Commercial Auto Liability	**Commercial Auto Liability**	**Commercial Auto Liability**	**Cyber Liability/Tech E&O**
$500,000 Combined Single Limit	$1 Million Combined Single Limit	$1 Million Combined Single Limit	$2 Million- Low Risk
Additional Language: Additional Insured & Waiver of Subrogation	**Additional Language:** Additional Insured & Waiver of Subrogation	**Additional Language:** Additional Insured & Waiver of Subrogation	$3 Million- Moderate Risk $5 Million- High Risk
Workers' Compensation	**Workers' Compensation**	**Workers' Compensation**	**Workers' Compensation**
$100,000/$500,000/$100,000 Employer's liability (Part 2) w/ State of AK (Part 1) statutory limits.	$500,000/$500,000/$500,000 Employer's liability (Part 2) w/ State of AK (Part 1) statutory limits.	$1 Million Employer's liability (Part 2) w/ State of AK (Part 1) statutory limits.	$100,000/$500,000/$100,000 Employer's liability (Part 2) w/ State of AK (Part 1) statutory limits.
Additional Language: Waiver of Subrogation	**Additional Language:** Waiver of Subrogation	**Additional Language:** Waiver of Subrogation	**Additional Language:** Waiver of Subrogation
Excess Liability	**Excess Liability**	**Excess Liability**	
None	$1 Million	$2 Million	
Additional Requirements: Coverage shall be primary and non-contributory where the School District is an Additional Insured. Coverage shall be as broad as ISO CG 2001 coverage form revision date 04 13 or equivalent. Contracts that require working directly with children, without District personnel present, shall endorse the General Liability and/or Professional Liability policies to extend coverage for Wrongful Acts including Abuse and Molestation.			