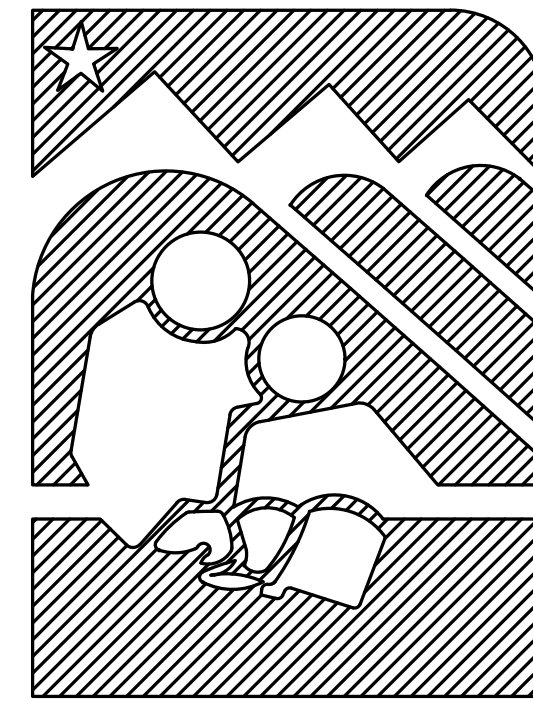


# ANCHORAGE SCHOOL DISTRICT



## MULTI-SITE INTRUSION DETECTION SYSTEM UPGRADES MIRROR LAKE MIDDLE SCHOOL EAGLE RIVER HIGH SCHOOL

ASD PROJECT # 999228

FEBRUARY 12, 2024

PREPARED BY:

**RSA** Engineering, Inc.

MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
670 W. Fireweed Ln., Suite 200  
Anchorage, AK 99503 (907) 276-0521

100% BID DOCUMENTS

# TECHNICAL DRAWING INDEX

## GENERAL SHEETS – COMMON TO ALL SCHOOLS

- G000 – TECHNICAL DRAWING INDEX
- G001 – ELECTRICAL LEGEND, GENERAL NOTES AND VICINITY MAP
- G002 – ELECTRICAL DETAILS

## EAGLE RIVER HIGH SCHOOL

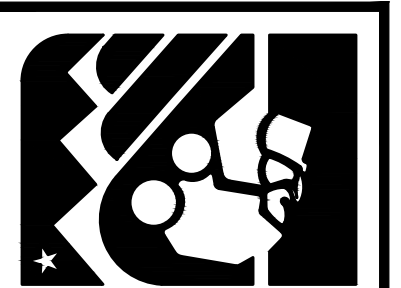
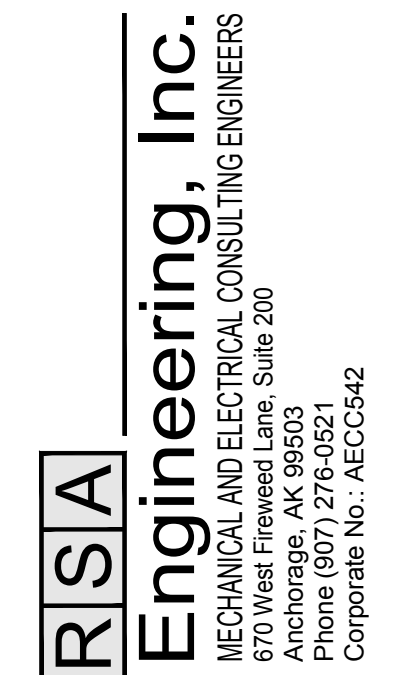
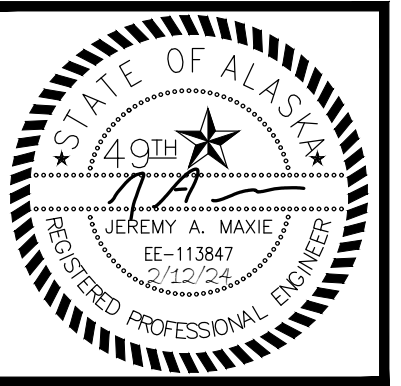
- EH-E001 – EAGLE RIVER HIGH SCHOOL – REFLECTED CEILING PLANS
- EH-E002 – EAGLE RIVER HIGH SCHOOL – ELECTRICAL REFERENCE PLANS
- EH-E101 – EAGLE RIVER HIGH SCHOOL – INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN – LEVEL 1 – AREA 'A'
- EH-E102 – EAGLE RIVER HIGH SCHOOL – INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN – LEVEL 1 – AREA 'B'
- EH-E103 – EAGLE RIVER HIGH SCHOOL – INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN – LEVEL 2 – AREA 'A'
- EH-E104 – EAGLE RIVER HIGH SCHOOL – INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN – LEVEL 2 – AREA 'B'
- EH-E105 – EAGLE RIVER HIGH SCHOOL – INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN – ROOF – AREA 'A'
- EH-E106 – EAGLE RIVER HIGH SCHOOL – INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN – ROOF – AREA 'B'
- EH-E201 – EAGLE RIVER HIGH SCHOOL – INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN – LEVEL 1 – AREA 'A'
- EH-E202 – EAGLE RIVER HIGH SCHOOL – INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN – LEVEL 1 – AREA 'B'
- EH-E203 – EAGLE RIVER HIGH SCHOOL – INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN – LEVEL 2 – AREA 'A'
- EH-E204 – EAGLE RIVER HIGH SCHOOL – INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN – LEVEL 2 – AREA 'B'
- EH-E205 – EAGLE RIVER HIGH SCHOOL – INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN – ROOF – AREA 'A'
- EH-E206 – EAGLE RIVER HIGH SCHOOL – INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN – ROOF – AREA 'B'
- EH-E301 – EAGLE RIVER HIGH SCHOOL – INTRUSION DETECTION SYSTEM ONE-LINE DIAGRAM

## MIRROR LAKE MIDDLE SCHOOL

- MR-E001 – MIRROR LAKE MIDDLE SCHOOL – LEVEL 1 – REFLECTED CEILING PLAN
- MR-E002 – MIRROR LAKE MIDDLE SCHOOL – LEVEL 2 – REFLECTED CEILING PLAN
- MR-E003 – MIRROR LAKE MIDDLE SCHOOL – ELECTRICAL REFERENCE PLAN
- MR-E101 – MIRROR LAKE MIDDLE SCHOOL – INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN – LEVEL 1 – AREA 'A'
- MR-E102 – MIRROR LAKE MIDDLE SCHOOL – INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN – LEVEL 1 – AREA 'B'
- MR-E103 – MIRROR LAKE MIDDLE SCHOOL – INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN – LEVEL 1 – AREA 'C'
- MR-E104 – MIRROR LAKE MIDDLE SCHOOL – INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN – LEVEL 1 – AREA 'D'
- MR-E105 – MIRROR LAKE MIDDLE SCHOOL – INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN – LEVEL 2
- MR-E201 – MIRROR LAKE MIDDLE SCHOOL – INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN – LEVEL 1 – AREA 'A'
- MR-E202 – MIRROR LAKE MIDDLE SCHOOL – INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN – LEVEL 1 – AREA 'B'
- MR-E203 – MIRROR LAKE MIDDLE SCHOOL – INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN – LEVEL 1 – AREA 'C'
- MR-E204 – MIRROR LAKE MIDDLE SCHOOL – INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN – LEVEL 1 – AREA 'D'
- MR-E205 – MIRROR LAKE MIDDLE SCHOOL – INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN – LEVEL 2
- MR-E301 – MIRROR LAKE MIDDLE SCHOOL – INTRUSION DETECTION SYSTEM ONE-LINE DIAGRAM

## SCOPE OF WORK

DESIGN OF A COMPLETE REPLACEMENT OF THE EXISTING FACILITY COMMANDER INTRUSION DETECTION SYSTEM WITH A NAPCO GEMINI-C PLATFORM IN MIRROR LAKE MIDDLE SCHOOL AND EAGLE RIVER HIGH SCHOOL. ALL DOOR CONTACTS, GLASS BREAK SENSORS, MOTION SENSORS, AND KEYPADS WILL BE REPLACED, UNLESS NOTED FOR REUSE, AND NEW LOCATIONS WILL BE ADDED AS NEEDED TO MEET ASD STANDARDS. BUILDING ALARMS WILL BE CONNECTED TO THE NEW SYSTEM.



ANCHORAGE SCHOOL DISTRICT  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #099228

REVISIONS:

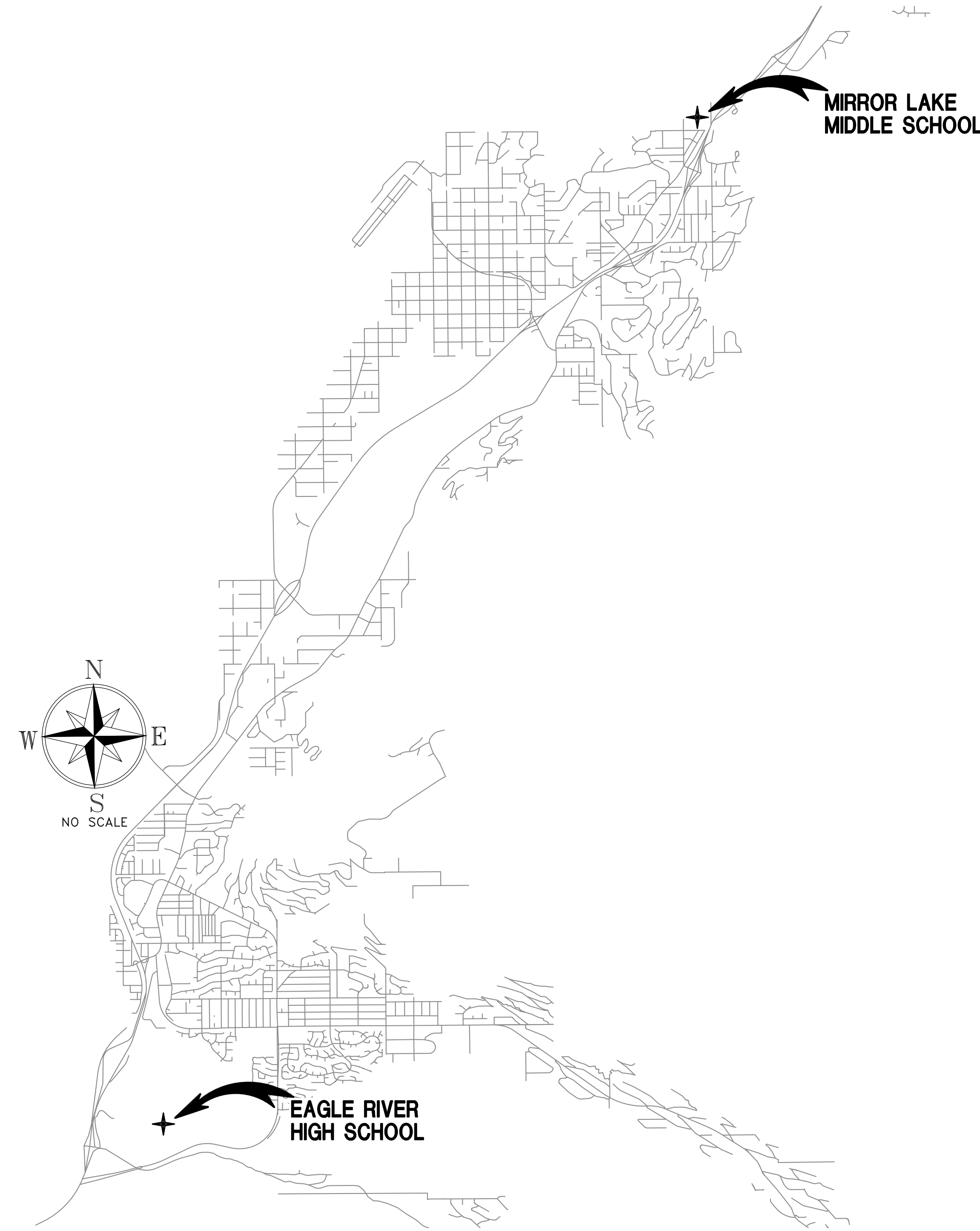
DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: G SERIES

DRAWING TITLE:  
TECHNICAL DRAWING  
INDEX

SHEET:

G000

100% BID DOCUMENTS



EAGLE RIVER VICINITY MAP  
NO SCALE

LEGEND			
	INTRUSION DETECTION SYSTEM PANEL		FIRE ALARM CONTROL PANEL
	DOOR POSITION CONTACT – RECESSED, SURFACE MOUNTED		DUPLX RECEPTACLE TO BE REMOVED (DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED TYPICAL)
	BOILER FAIL		NOTE TAG (No. INDICATES NOTE)
	BUILDING FREEZE SENSOR	ACU	AUTONOMOUS CONTROL UNIT
	INTRUSION DETECTION SYSTEM KEYPAD	NEC	NATIONAL ELECTRICAL CODE
	SECURITY MOTION SENSOR – CEILING, WALL MOUNTED	NTS	NOT TO SCALE
	GLASS BREAK SENSOR – CEILING, WALL MOUNTED	RF	RADIO FREQUENCY
	GENERATOR HIGH FUEL ALARM OUTPUT	RIM	REMOTE INPUT MODULE
	GENERATOR LOW FUEL ALARM OUTPUT	RRM	REMOTE RELAY MODULE
	GENERATOR RUN OUTPUT	SLC	SIGNALING LINE CIRCUIT
	GENERATOR TROUBLE OUTPUT	TYP	TYPICAL
	PHASE LOSS RELAY	UON	UNLESS OTHERWISE NOTED
	SINGLE-POINT MODULE		

**GENERAL NOTES:**

- A. THE INFORMATION SHOWN ON THE DRAWINGS IS TAKEN FROM RECORD DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF EACH FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL CEILING TYPES PRIOR TO START OF WORK.
- B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.
- C. DASHED OR DOTTED LINES INDICATE EXISTING ITEMS TO BE REMOVED. SOLID LINES WITH 'E' SUBSCRIPT INDICATE EXISTING ITEMS TO REMAIN. DARK SOLID LINES INDICATE NEW WORK.
- D. APPROXIMATE LOCATIONS OF ALL DEVICES ARE SHOWN ON THE DRAWINGS BUT EXACT LOCATIONS WILL BE DETERMINED BY THE SYSTEM INTEGRATOR. FOR BIDDING PURPOSES, CONTRACTOR SHALL ASSUME THAT ALL DEVICES MAY CHANGE UP TO 20' IN ANY DIRECTION FROM THE SPECIFIED LOCATION.
- E. UNLESS OTHERWISE NOTED DEMOLISH ALL DEVICES AND CABLING BACK TO SOURCE.
- F. ALL DOOR CONTACTS AND INDUSTRIAL/BUILDING ALARMS SHALL REMAIN AND BE CONNECTED TO THE NEW SYSTEM WITH NEW INPUT MODULES AND CABLING UON. FIELD WIRING TO THE CONTACT/ALARM MAY BE REUSED WITHIN 20' OF THE DEVICE FOR CONNECTION TO AN INPUT MODULE.
- G. PROVIDE BLANK COVER PLATES FOR BOXES TO REMAIN WITHOUT DEVICES.

**NOTE TO CONTRACTOR**

**NOTIFICATION OF POTENTIAL HAZARDS:**

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 13 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
1000 W. 11th Ave., Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No.: AECC542



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #099228

REVISIONS:

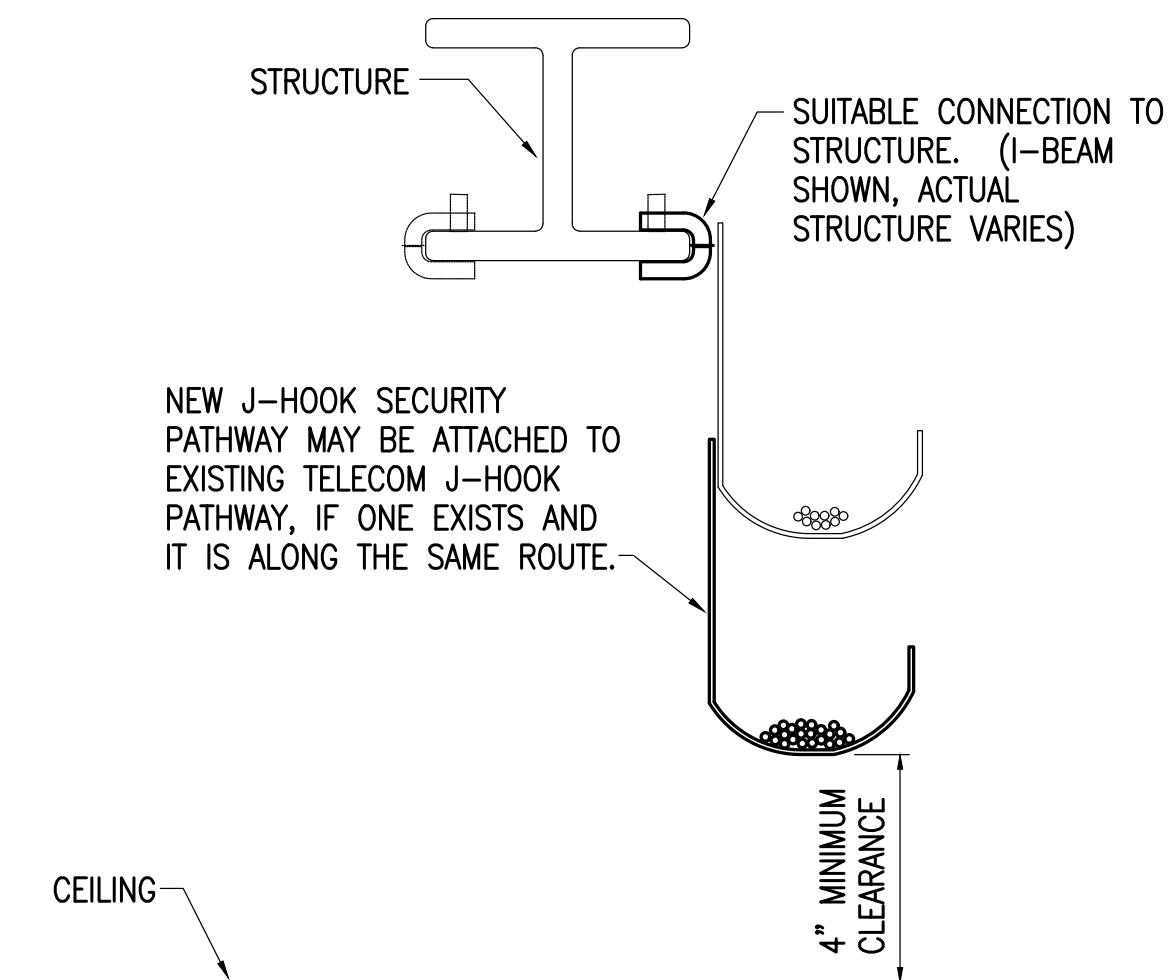
DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: G SERIES

DRAWING TITLE:  
ELECTRICAL LEGEND,  
GENERAL NOTES AND  
VICINITY MAP

SHEET:

**G001**

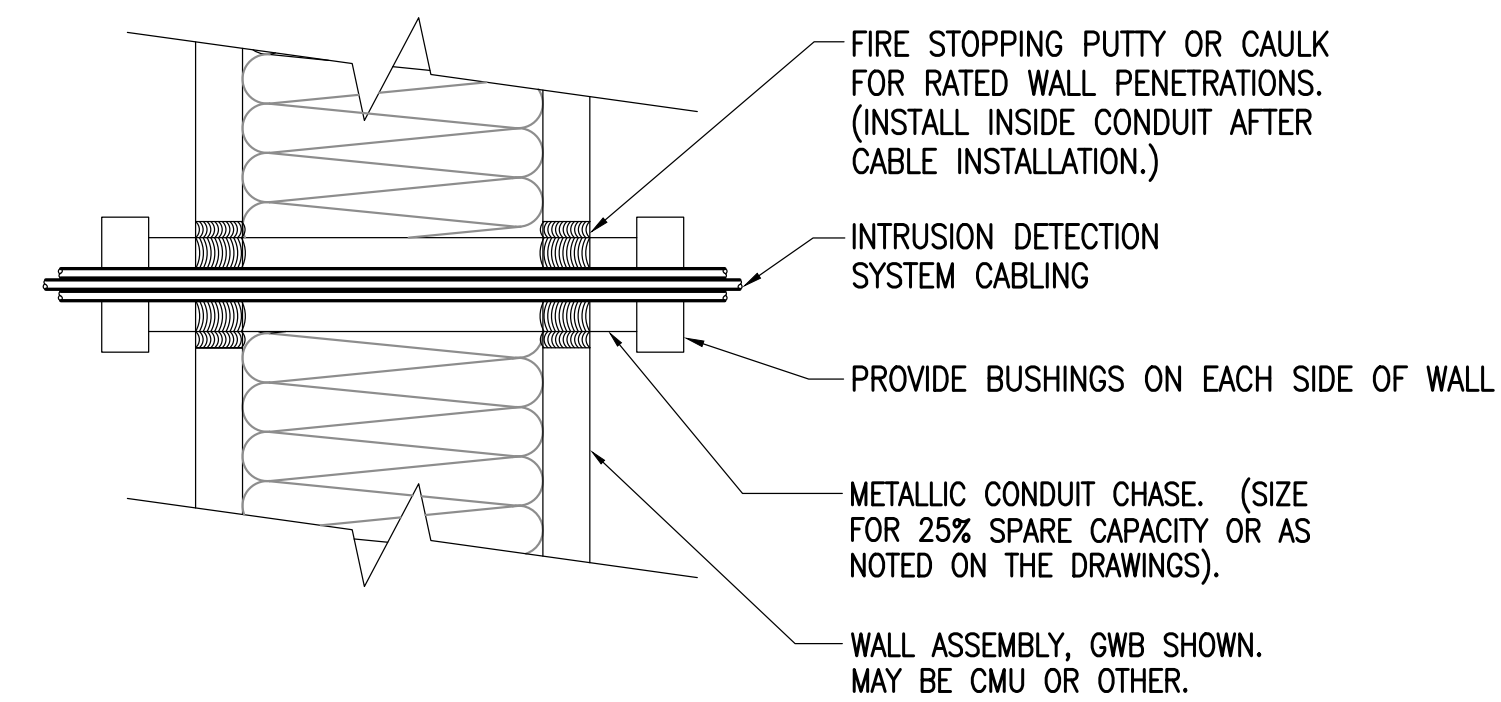
100% BID DOCUMENTS



**DETAIL NOTES:**

- A. PROVIDE CONTINUOUS J-HOOK SUPPORT FOR ALL CABLING NOT REQUIRED TO BE INSTALLED IN CONDUIT AND WHERE CABLE TRAY OR RACEWAYS ARE NOT PROVIDED.
- B. SEE THE SPECIFICATIONS FOR J-HOOK RATINGS, SPACING CRITERIA AND SPARE CAPACITY REQUIREMENTS.
- C. PROVIDE ADDITIONAL SEPARATE J-HOOK PATHWAYS FOR EACH SYSTEM. CABLES SHALL NOT BE INTERMIXED BUT J-HOOKS FOR MULTIPLE SYSTEMS MAY BE CONNECTED TO THE SAME SUPPORT STRUCTURE. INTRUSION DETECTION SYSTEM CABLING MAY BE ROUTED WITH ACCESS CONTROL AND VIDEO SURVEILLANCE.
- D. PROVIDE SPECIFIC MOUNTING HARDWARE FOR SUPPORT TO STRUCTURE TYPES AS NECESSARY. J-HOOKS MUST BE INSTALLED VERTICALLY AS SHOWN.

**1 J-HOOK DETAIL-LOW VOLTAGE CABLING**  
NO SCALE



**DETAIL NOTES:**

- A. THE PENETRATION SHALL BE A LISTED FIRE RATED SYSTEM AS REQUIRED BY THE RATING AND CONSTRUCTION TYPE OF THE WALL.
- B. PROVIDE UL LISTED FIRE STOPPING PER MANUFACTURER'S RECOMMENDATIONS AT ALL FIRE WALLS WHICH ARE PENETRATED.
- C. PENETRATIONS IN NON-RATED WALLS SHALL BE SEALED WITH SILICONE OR SIMILAR.

**2 TYPICAL WALL PENETRATION DETAIL**  
NO SCALE



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
1000 W. 11th Ave., Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No.: AECC542



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #099228

REVISIONS:

DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: G SERIES

DRAWING TITLE:  
ELECTRICAL DETAILS

SHEET:  
**G002**

100% BID DOCUMENTS


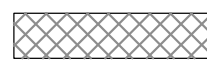

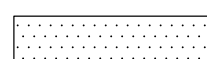

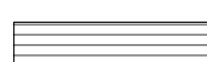
**NOTE TO CONTRACTOR**

NOTIFICATION OF POTENTIAL HAZARDS:

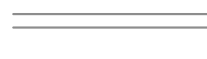

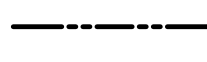

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

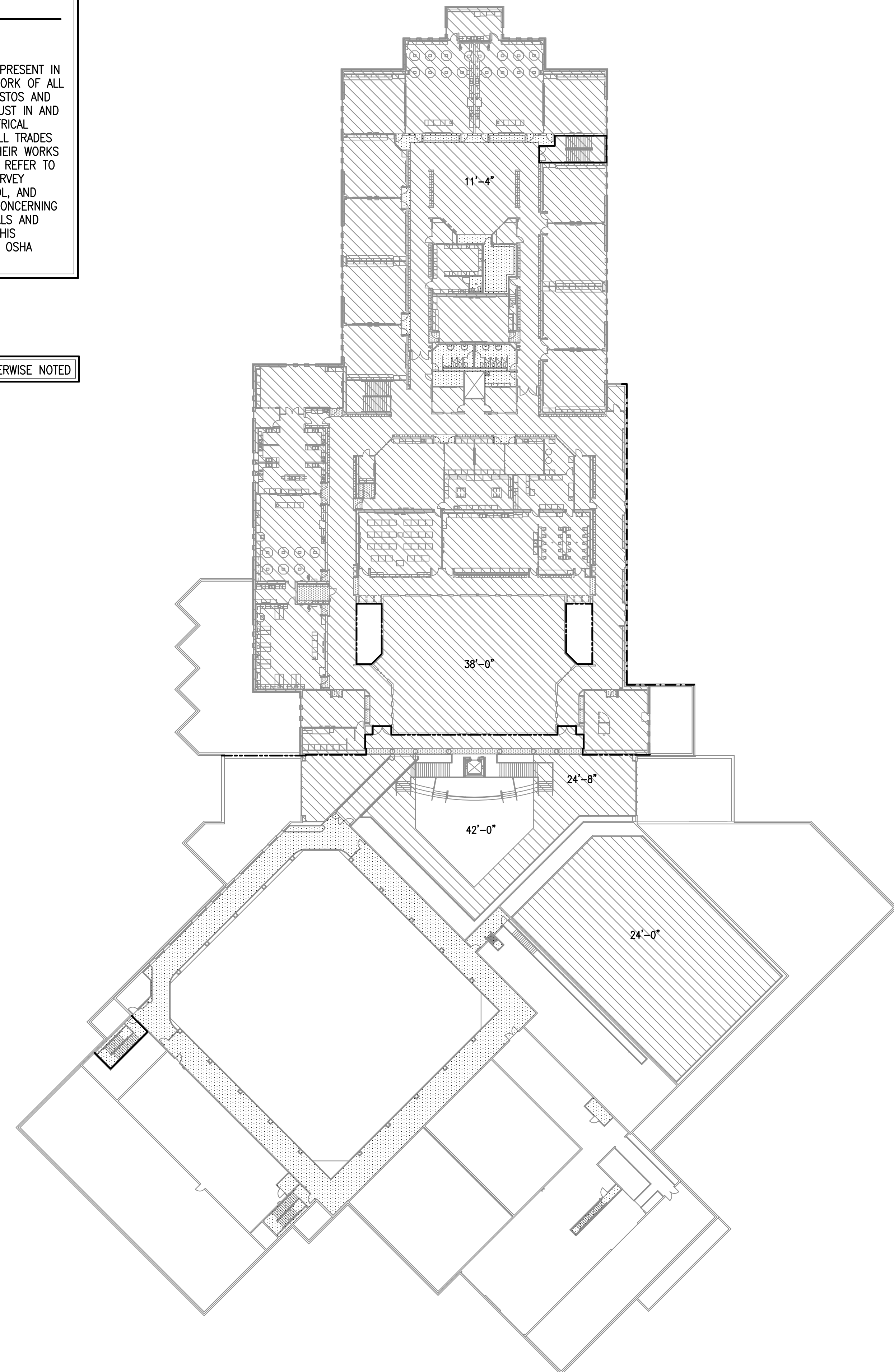
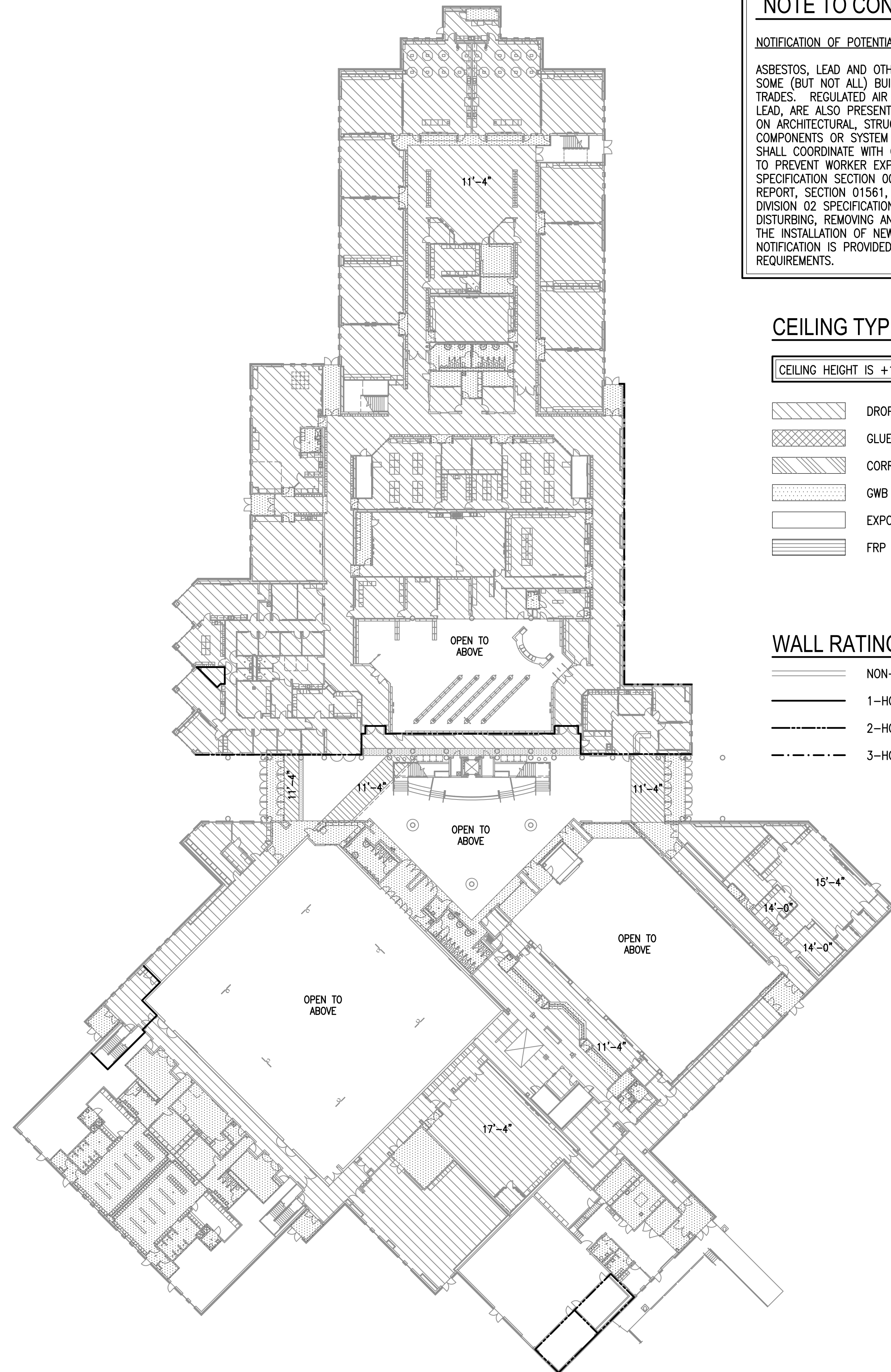
CEILING TYPE LEGEND:

CEILING HEIGHT IS +10'-0" OR LOWER, UNLESS OTHERWISE NOTED

-  DROPPED 2'x4' ACT GRID CEILING
-  GLUE-ON ACOUSTICAL TILE CEILING
-  CORRUGATED METAL PANEL CEILING
-  GWB HARD CEILING
-  EXPOSED TO STRUCTURAL DECK
-  FRP HARD CEILING

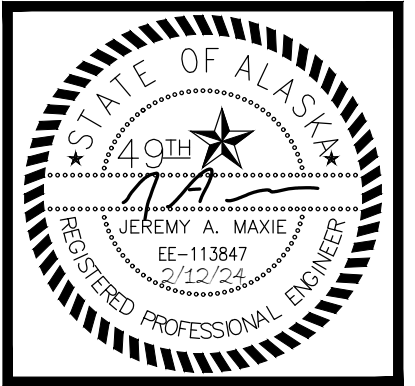
WALL RATING LEGEND:

-  NON-RATED WALL OR PARTITION
-  1-HOUR RATED WALL OR PARTITION
-  2-HOUR RATED WALL OR PARTITION
-  3-HOUR RATED WALL OR PARTITION

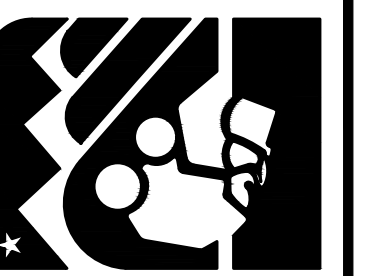


**1** EAGLE RIVER HIGH SCHOOL - LEVEL 1 - REFLECTED CEILING PLAN  
1/32" = 1'-0"

**1** EAGLE RIVER HIGH SCHOOL - LEVEL 2 - REFLECTED CEILING PLAN  
1/32" = 1'-0"



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
800 North 10th Street  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No. AECC542



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #099228  
EAGLE RIVER HIGH SCHOOL  
8701 YOSEMITE DR.  
EAGLE RIVER, ALASKA 99577

REVISIONS:

DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: EH SERIES

DRAWING TITLE:  
EAGLE RIVER HIGH SCHOOL - REFLECTED CEILING PLANS

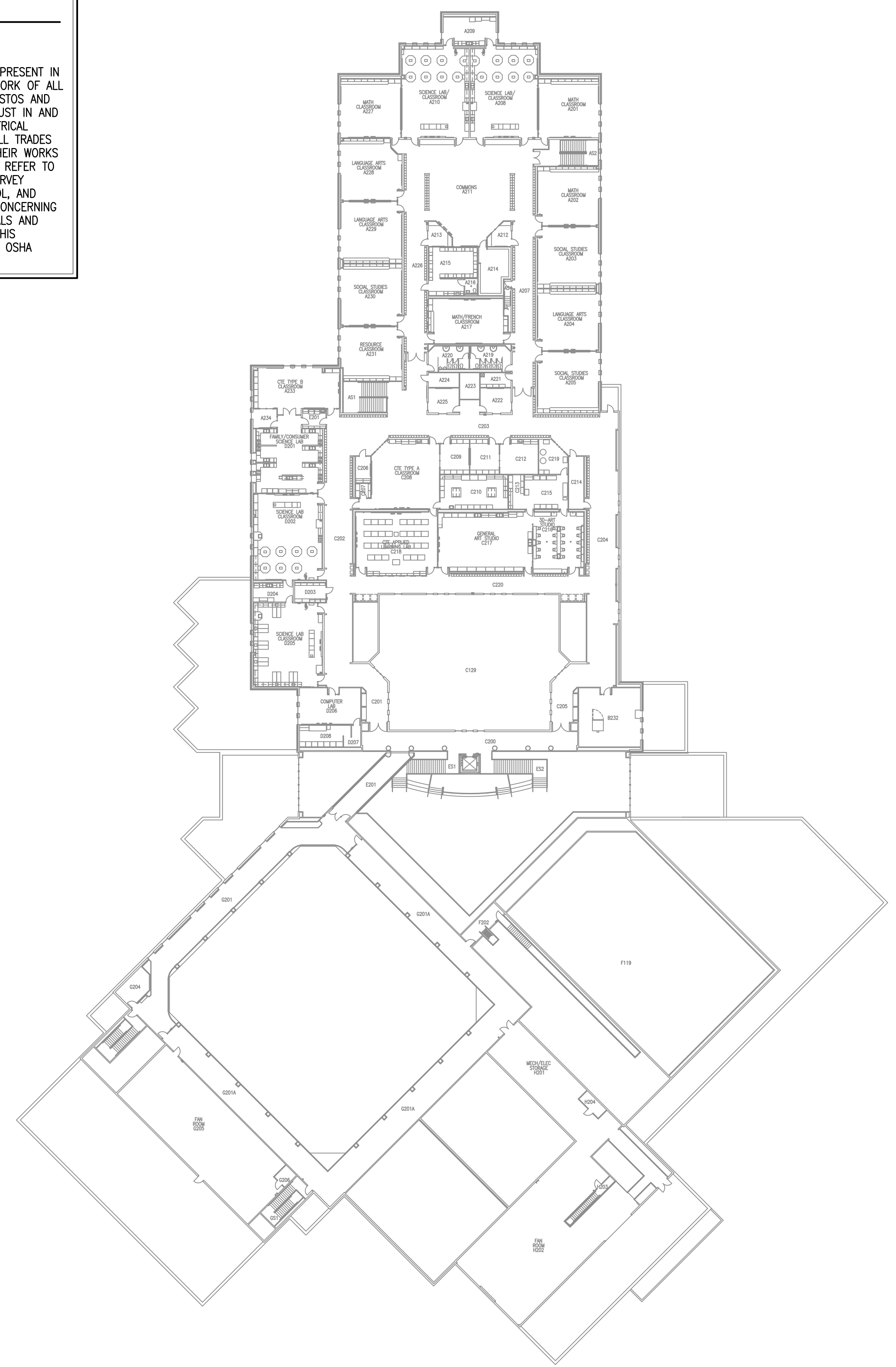
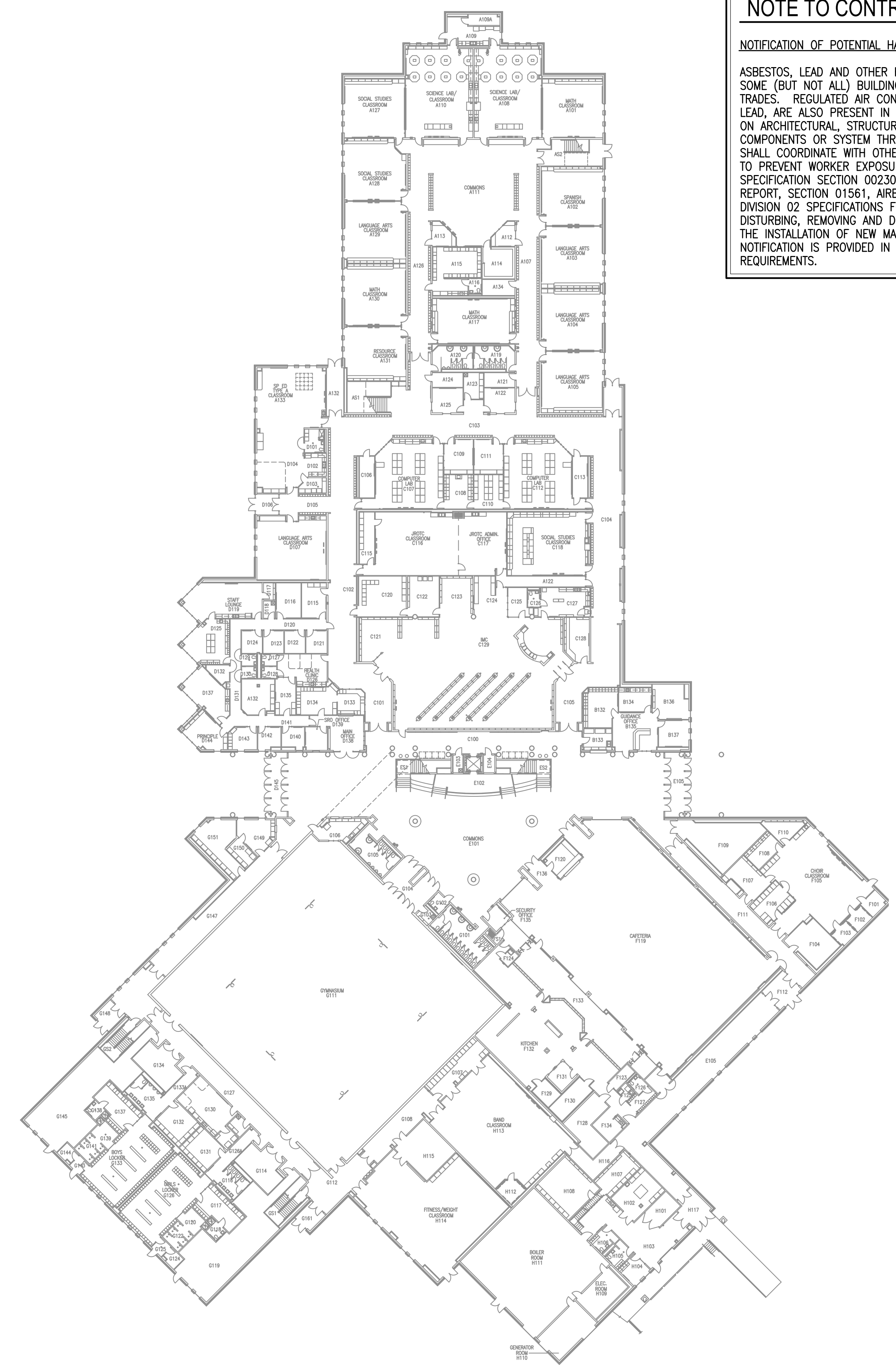
SHEET:  
**EH-E001**

100% BID DOCUMENTS

**NOTE TO CONTRACTOR**

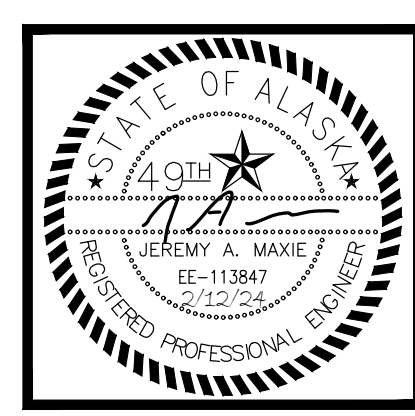
NOTIFICATION OF POTENTIAL HAZARDS:

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**1** EAGLE RIVER HIGH SCHOOL - LEVEL 1 - ELECTRICAL REFERENCE PLAN  
1/32" = 1'-0"

**1** EAGLE RIVER HIGH SCHOOL - LEVEL 2 - ELECTRICAL REFERENCE PLAN  
1/32" = 1'-0"



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
800 W. 10th Avenue, Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No. AECC542



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #099228  
EAGLE RIVER HIGH SCHOOL  
8701 YOSEMITE DR.  
EAGLE RIVER, ALASKA 99577

REVISIONS:

DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: EH SERIES

DRAWING TITLE:  
EAGLE RIVER HIGH SCHOOL - ELECTRICAL REFERENCE PLANS

SHEET:  
**EH-E002**

100% BID DOCUMENTS



**RISA Engineering, Inc.**  
 MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
 800 S. GARDNER ST., SUITE 200  
 ANCHORAGE, AK 99503  
 Phone (907) 276-0021  
 Corporate No. AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
 MULTI-SITE INTRUSION DETECTION SYSTEM  
 UPGRADES, ASD PROJECT #099228  
 EAGLE RIVER HIGH SCHOOL  
 8701 YOSEMITE DR.  
 EAGLE RIVER, ALASKA 99577

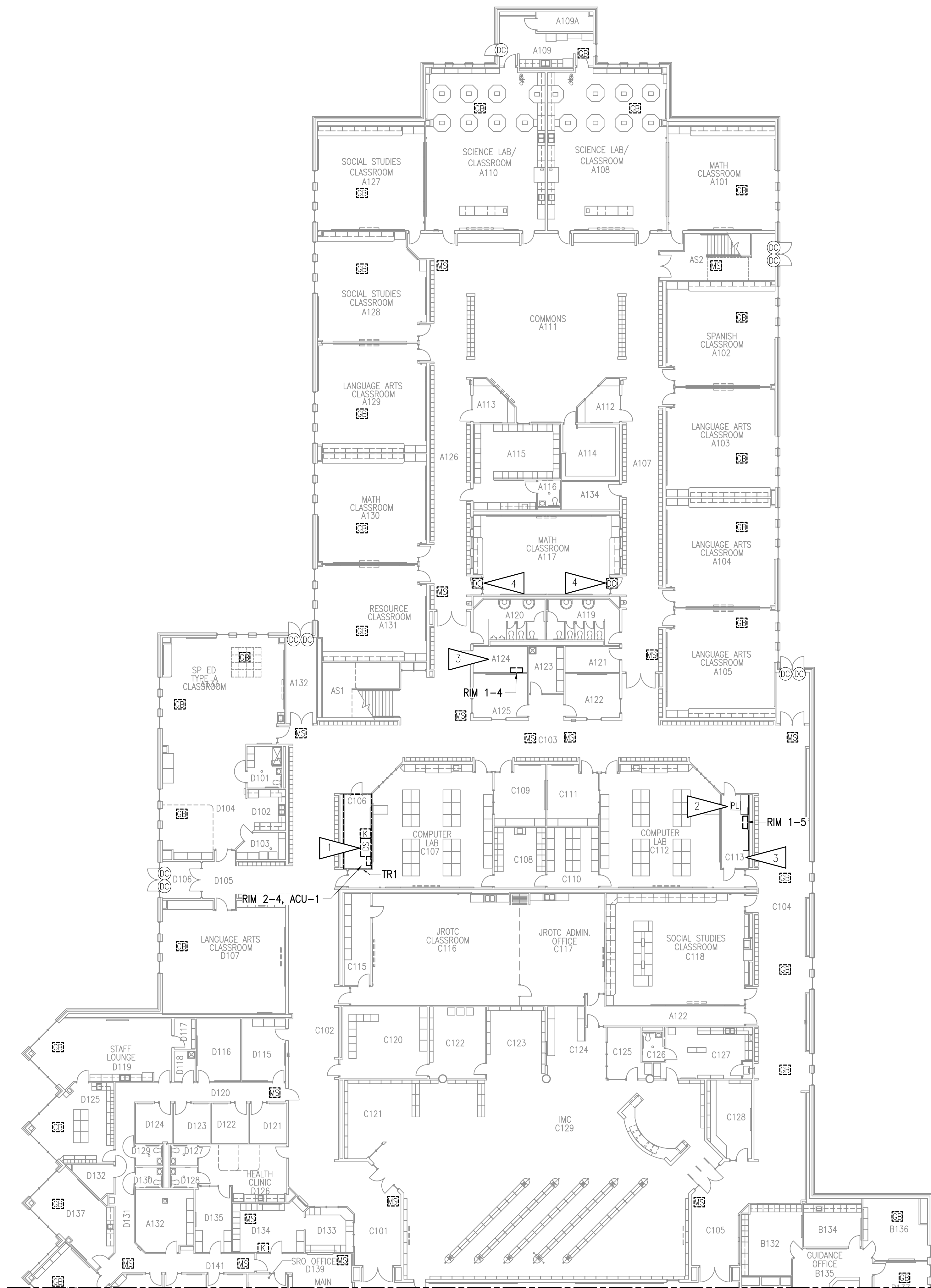
REVISIONS:

DRAWN BY: CSZ,NDZ  
 CHECKED BY: JAM,SB  
 DATE: 02/12/2024  
 JOB NUMBER: M3167  
 DWG FILE: EH SERIES

DRAWING TITLE:  
 EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - LEVEL 1 - AREA 'A'

SHEET:  
**EH-E101**

100% BID DOCUMENTS



**GENERAL NOTES:**

- A. SEE SHEET G001 FOR GENERAL NOTES.
- B. BUILDING FREEZE SENSOR SHALL REMAIN AND BE RECONNECTED, BUT WAS NOT LOCATED ON SITE VISIT.

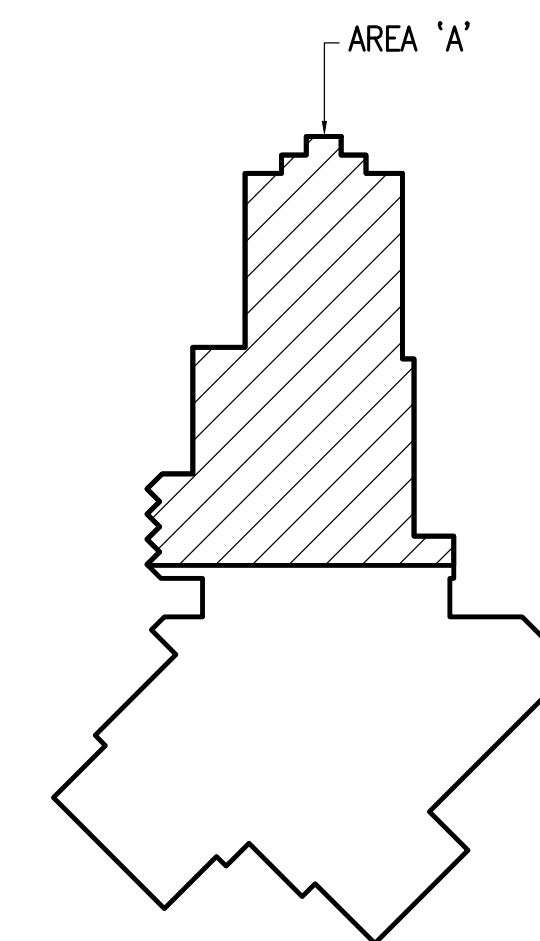
**SHEET NOTES:**

1. DEMOLISH ALL PANELS, EQUIPMENT, RIMS, ACUS AND ASSOCIATED CABLING RELATED TO INTRUSION DETECTION SYSTEM FROM FIELD DEVICES TO INTRUSION DETECTION SYSTEM PANEL, UNLESS OTHERWISE NOTED. SALVAGE POWER CIRCUIT FOR CONNECTION TO NEW INTRUSION DETECTION SYSTEM PANEL.
2. PHASE LOSS RELAY TO REMAIN AND CONNECT TO NEW INTRUSION DETECTION SYSTEM.
3. DEMOLISH INTRUSION DETECTION SYSTEM RIMS AND ASSOCIATED TERMINATION CABINET IN ROOM.
4. DEMOLISH DOOR CONTACTS AND FILL OR PLUG HOLES. CONTACT WON'T BE REPLACED FOR THIS DOOR.

**NOTE TO CONTRACTOR**

NOTIFICATION OF POTENTIAL HAZARDS:

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**KEY PLAN - ERHS**

NO SCALE

1

**EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - LEVEL 1 - AREA 'A'**

1/16" = 1'-0"

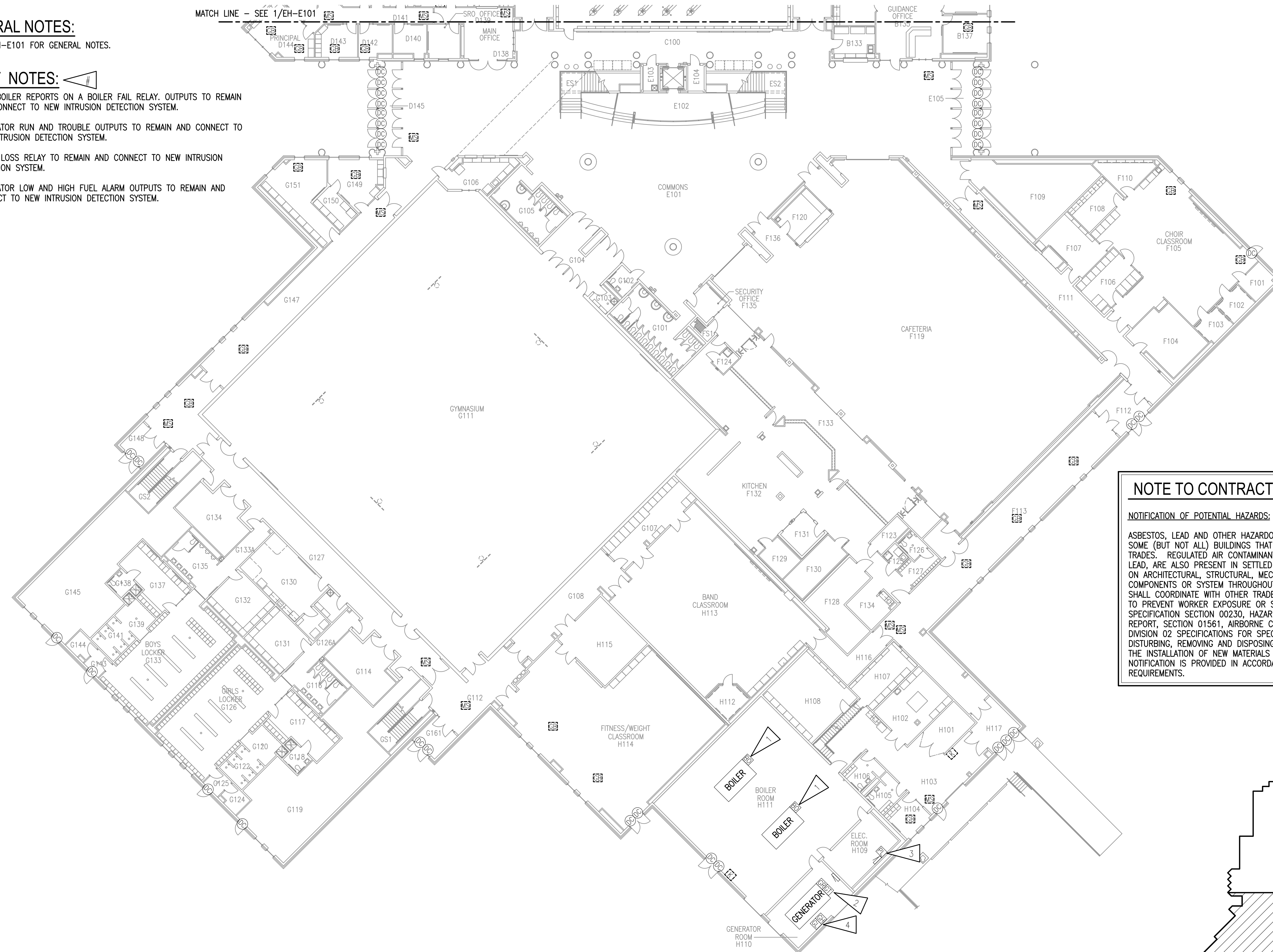
MATCH LINE - SEE 1/EH-E102

**GENERAL NOTES:**

A. SEE EH-E101 FOR GENERAL NOTES.

**SHEET NOTES:**

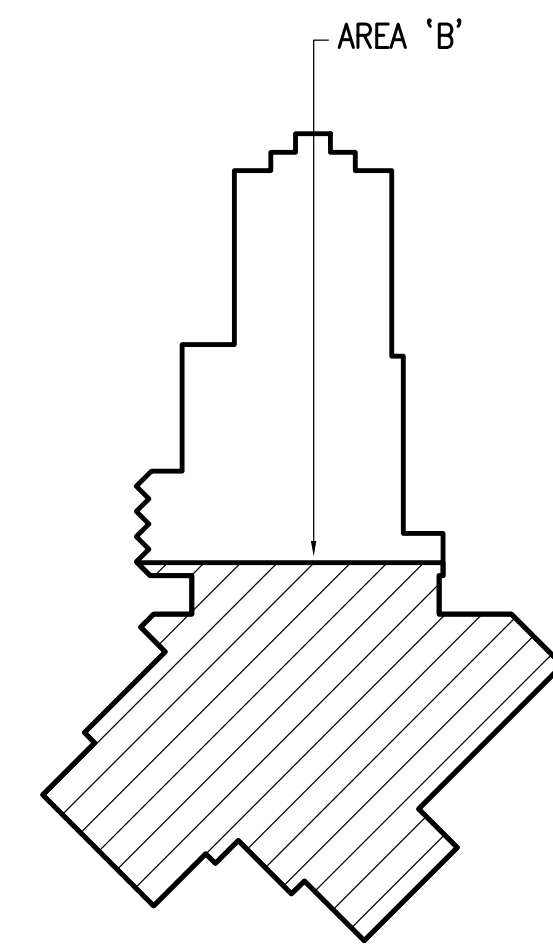
1. EACH BOILER REPORTS ON A BOILER FAIL RELAY. OUTPUTS TO REMAIN AND CONNECT TO NEW INTRUSION DETECTION SYSTEM.
2. GENERATOR RUN AND TROUBLE OUTPUTS TO REMAIN AND CONNECT TO NEW INTRUSION DETECTION SYSTEM.
3. PHASE LOSS RELAY TO REMAIN AND CONNECT TO NEW INTRUSION DETECTION SYSTEM.
4. GENERATOR LOW AND HIGH FUEL ALARM OUTPUTS TO REMAIN AND CONNECT TO NEW INTRUSION DETECTION SYSTEM.



**NOTE TO CONTRACTOR**

NOTIFICATION OF POTENTIAL HAZARDS:

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**1** EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - LEVEL 1 - AREA 'B'  
1/16" = 1'-0"

**KEY PLAN - ERHS**  
NO SCALE



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
1000 W. 10th Ave., Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No. AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #099228  
EAGLE RIVER HIGH SCHOOL  
8701 YOSEMITE DR.  
EAGLE RIVER, ALASKA 99577

REVISIONS:

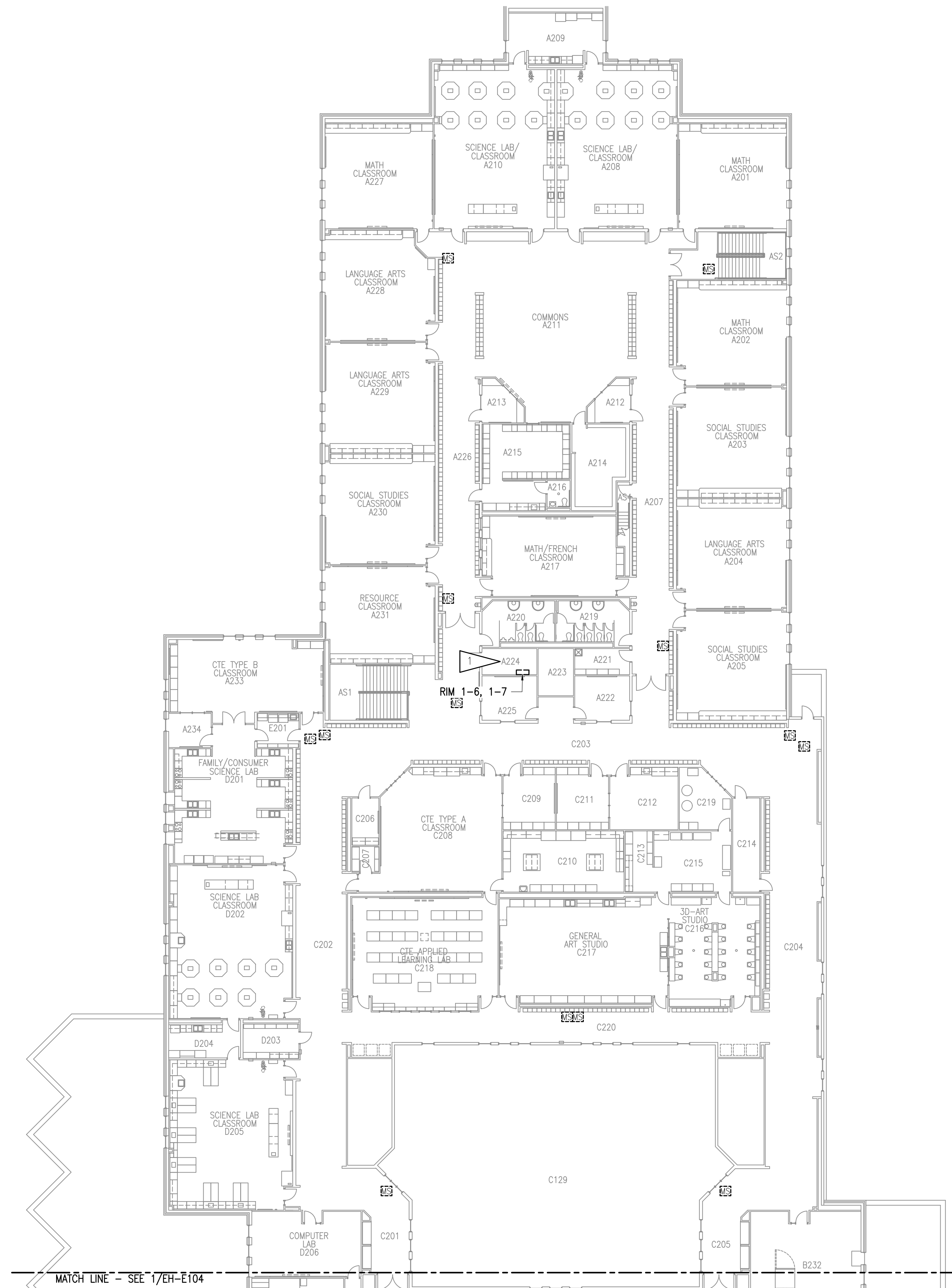
DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: EH SERIES

DRAWING TITLE:  
EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - LEVEL 1 - AREA 'B'

SHEET:  
**EH-E102**

100% BID DOCUMENTS





**1** EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - LEVEL 2 - AREA 'A'  
 1/16" = 1'-0"

**NOTE TO CONTRACTOR**

**NOTIFICATION OF POTENTIAL HAZARDS:**

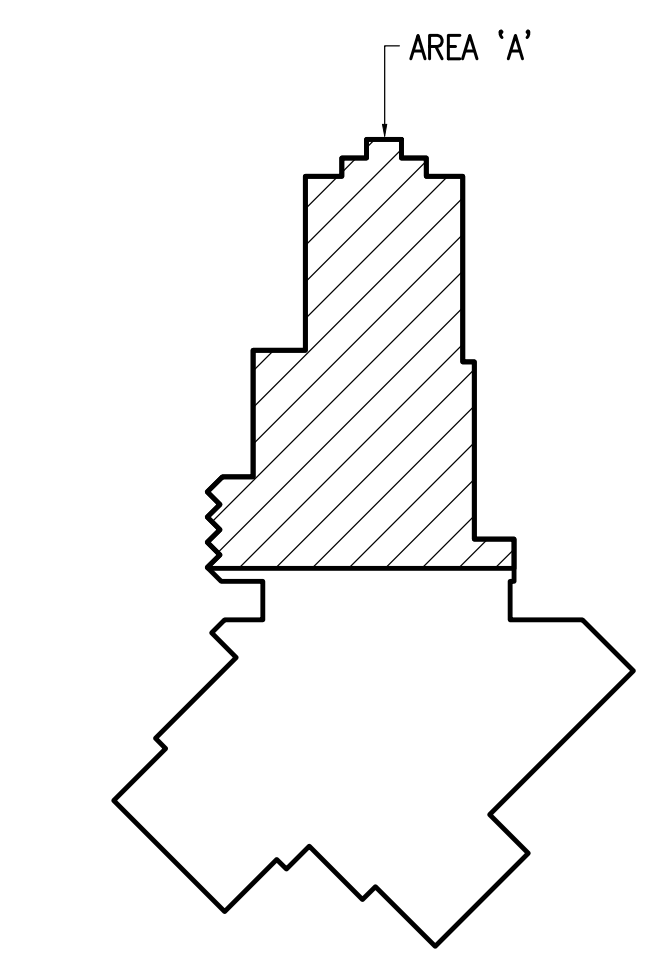
ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

**GENERAL NOTES:**

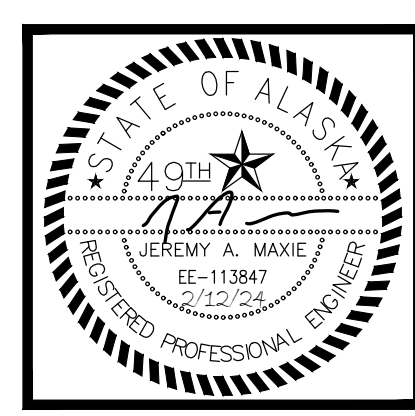
A. SEE EH-E101 FOR GENERAL NOTES.

**SHEET NOTES:**

1. DEMOLISH INTRUSION DETECTION SYSTEM RIMS AND ASSOCIATED TERMINATION CABINET IN ROOM.



**KEY PLAN - ERHS**  
 NO SCALE



**RISA Engineering, Inc.**  
 MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
 800 W. 10th Ave., Suite 200  
 Anchorage, AK 99503  
 Phone (907) 276-0521  
 Corporate No. AECC542



**ANCHORAGE SCHOOL DISTRICT**  
 MULTI-SITE INTRUSION DETECTION SYSTEM  
 UPGRADES, ASD PROJECT #099228  
 EAGLE RIVER HIGH SCHOOL  
 8701 YOSEMITE DR.  
 EAGLE RIVER, ALASKA 99577

REVISIONS:

DRAWN BY: CSZ,NDZ  
 CHECKED BY: JAM,SB  
 DATE: 02/12/2024  
 JOB NUMBER: M3167  
 DWG FILE: EH SERIES

DRAWING TITLE:  
 EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - LEVEL 2 - AREA 'A'

SHEET:  
**EH-E103**

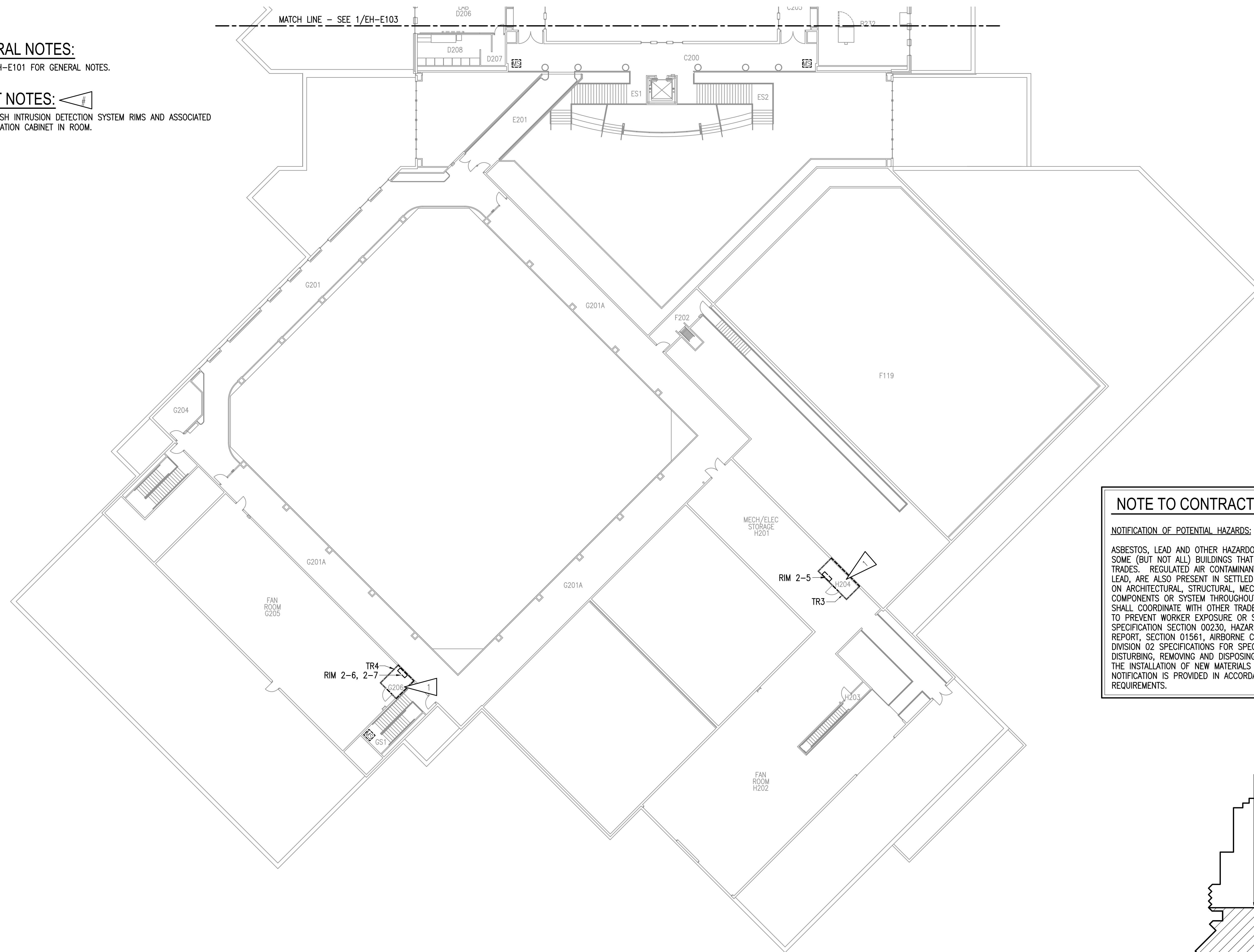
100% BID DOCUMENTS

**GENERAL NOTES:**

A. SEE EH-E101 FOR GENERAL NOTES.

**SHEET NOTES:**

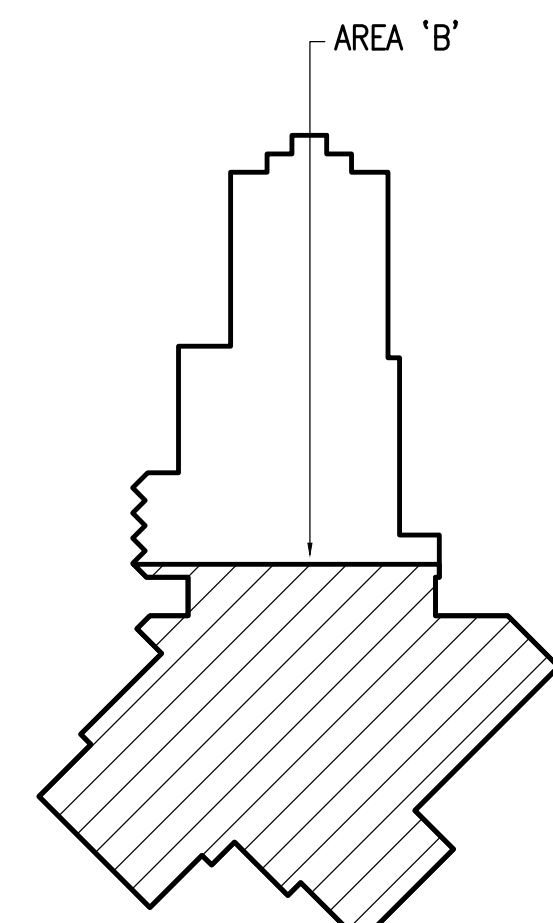
- 1. DEMOLISH INTRUSION DETECTION SYSTEM RIMS AND ASSOCIATED TERMINATION CABINET IN ROOM.



**NOTE TO CONTRACTOR**

**NOTIFICATION OF POTENTIAL HAZARDS:**

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**1** EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - LEVEL 2 - AREA 'B'  
1/16" = 1'-0"

**KEY PLAN - ERHS**  
NO SCALE



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
1000 W. 11th Ave., Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No. AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES. ASD PROJECT #099228  
EAGLE RIVER HIGH SCHOOL  
8701 YOSEMITE DR.  
EAGLE RIVER, ALASKA 99577

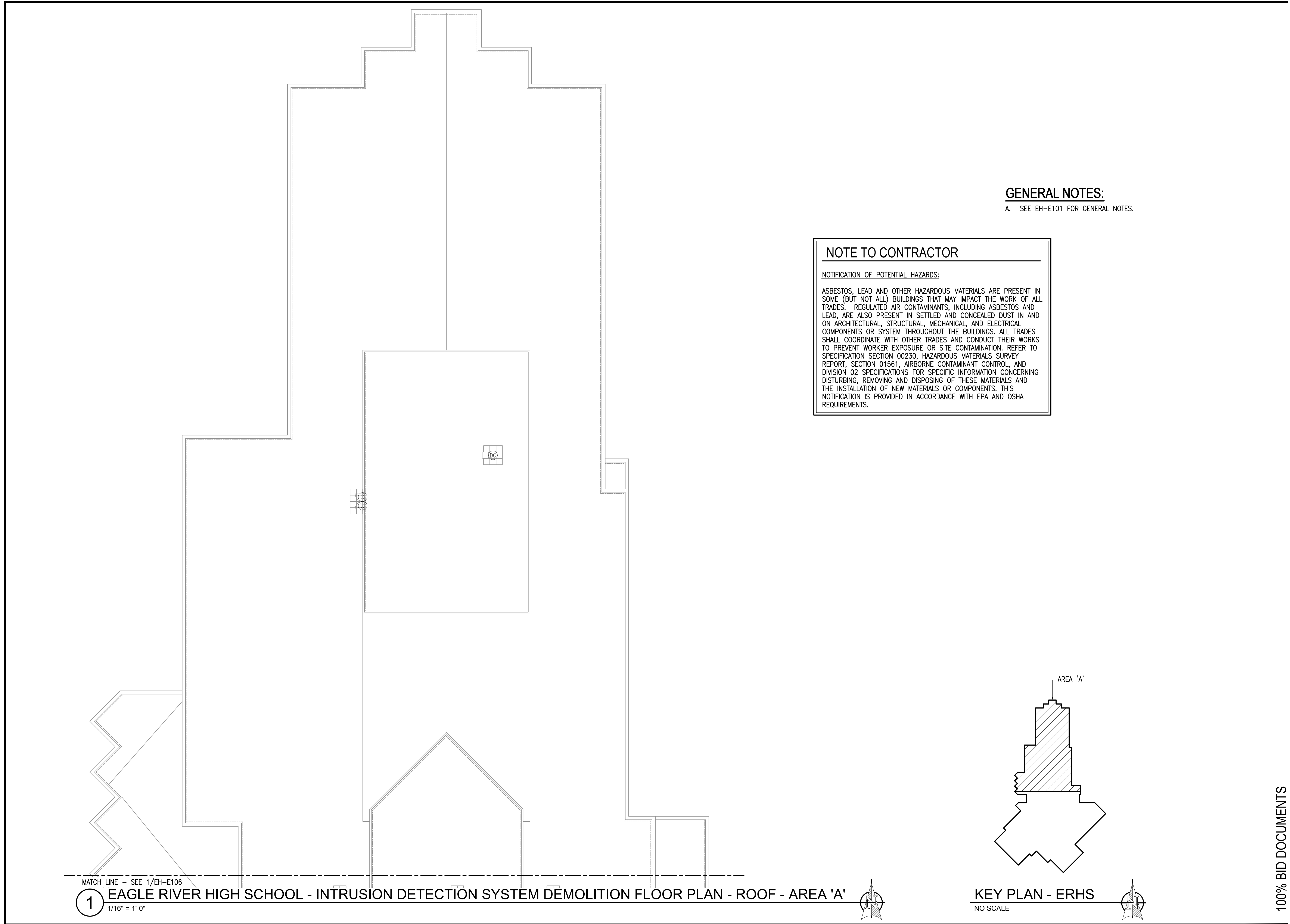
REVISIONS:

DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: EH SERIES

DRAWING TITLE:  
EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - LEVEL 2 - AREA 'B'

SHEET:  
**EH-E104**

100% BID DOCUMENTS

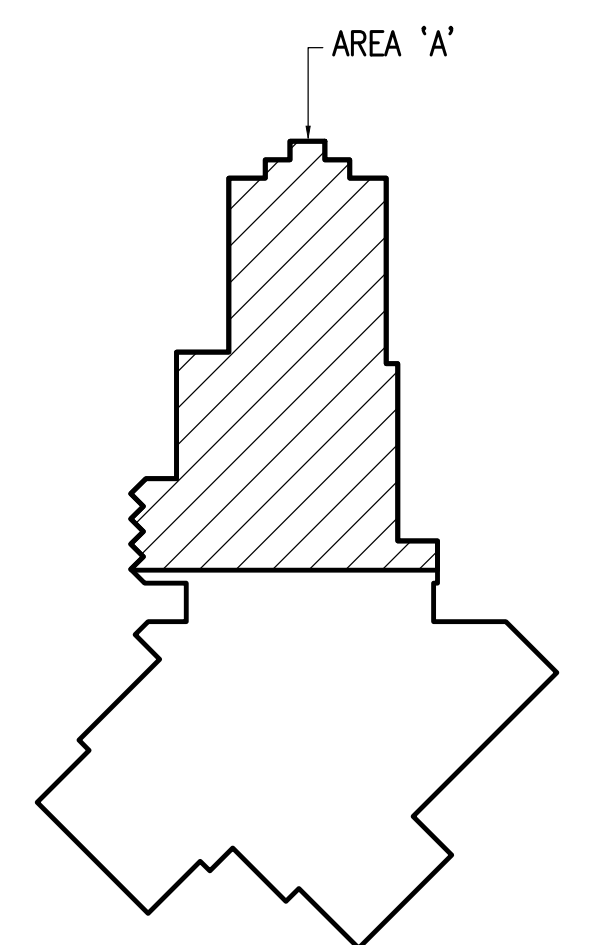


**GENERAL NOTES:**  
 A. SEE EH-E101 FOR GENERAL NOTES.

**NOTE TO CONTRACTOR**

NOTIFICATION OF POTENTIAL HAZARDS:

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**RISA Engineering, Inc.**  
 MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
 800 North 10th Street, Suite 200  
 Anchorage, AK 99503  
 Phone (907) 276-0521  
 Corporate No. AECC542



**ANCHORAGE SCHOOL DISTRICT**  
 MULTI-SITE INTRUSION DETECTION SYSTEM  
 UPGRADES, ASD PROJECT #099228  
 EAGLE RIVER HIGH SCHOOL  
 8701 YOSEMITE DR.  
 EAGLE RIVER, ALASKA 99577

REVISIONS:

DRAWN BY: CSZ,NDZ  
 CHECKED BY: JAM,SB  
 DATE: 02/12/2024  
 JOB NUMBER: M3167  
 DWG FILE: EH SERIES

DRAWING TITLE:  
 EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - ROOF - AREA 'A'

SHEET:  
**EH-E105**

100% BID DOCUMENTS

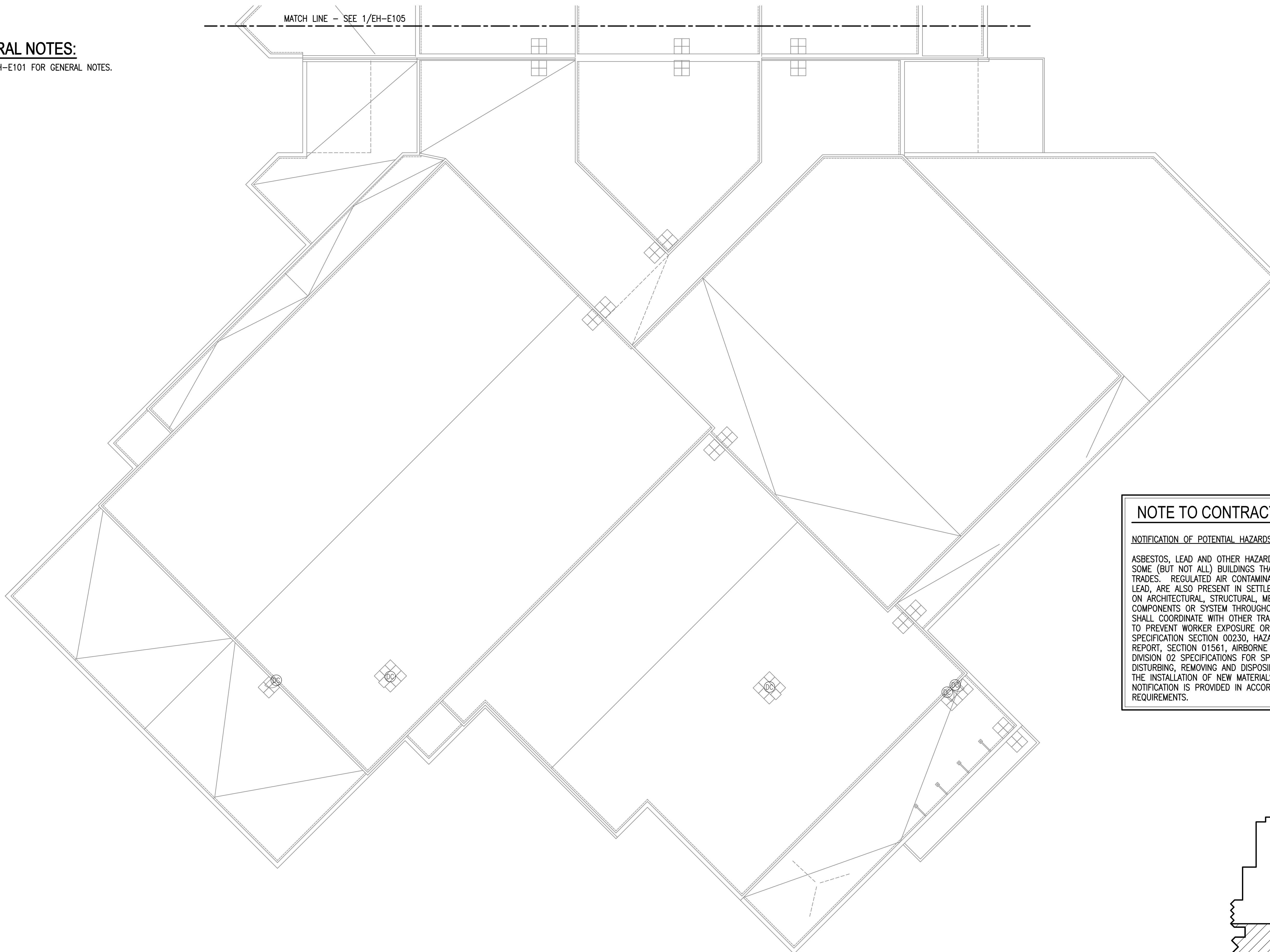
MATCH LINE - SEE 1/EH-E106  
**1** EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - ROOF - AREA 'A'  
 1/16" = 1'-0"

**KEY PLAN - ERHS**  
 NO SCALE

**GENERAL NOTES:**

A. SEE EH-E101 FOR GENERAL NOTES.

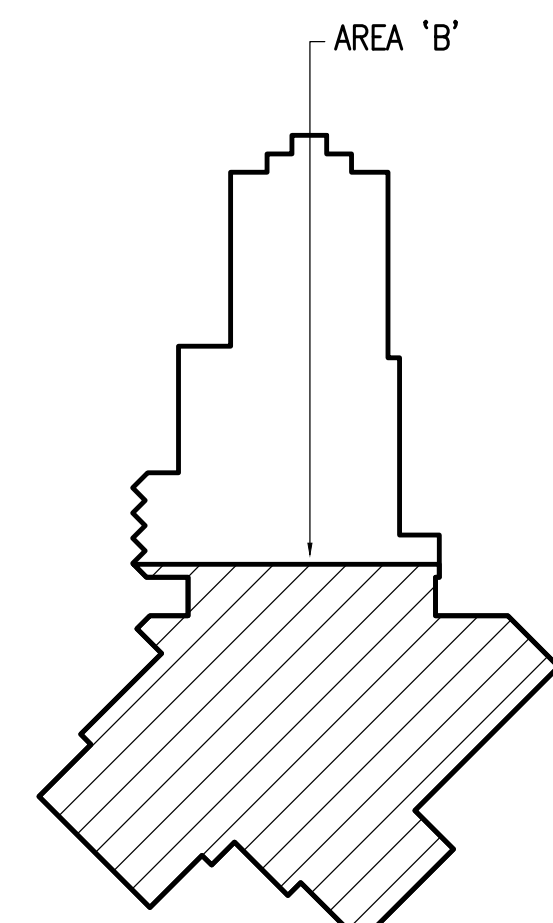
MATCH LINE - SEE 1/EH-E105



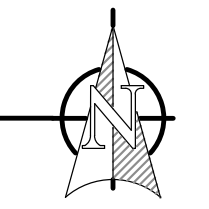
**NOTE TO CONTRACTOR**

NOTIFICATION OF POTENTIAL HAZARDS:

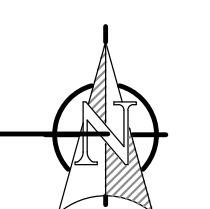
ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**1** EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - ROOF - AREA 'B'  
1/16" = 1'-0"



**KEY PLAN - ERHS**  
NO SCALE



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
8701 YOSEMITE DR., Suite 200  
EAGLE RIVER, AK 99503  
Phone (907) 276-0521  
Corporate No. AECC542



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #099228  
EAGLE RIVER HIGH SCHOOL  
8701 YOSEMITE DR.  
EAGLE RIVER, ALASKA 99577

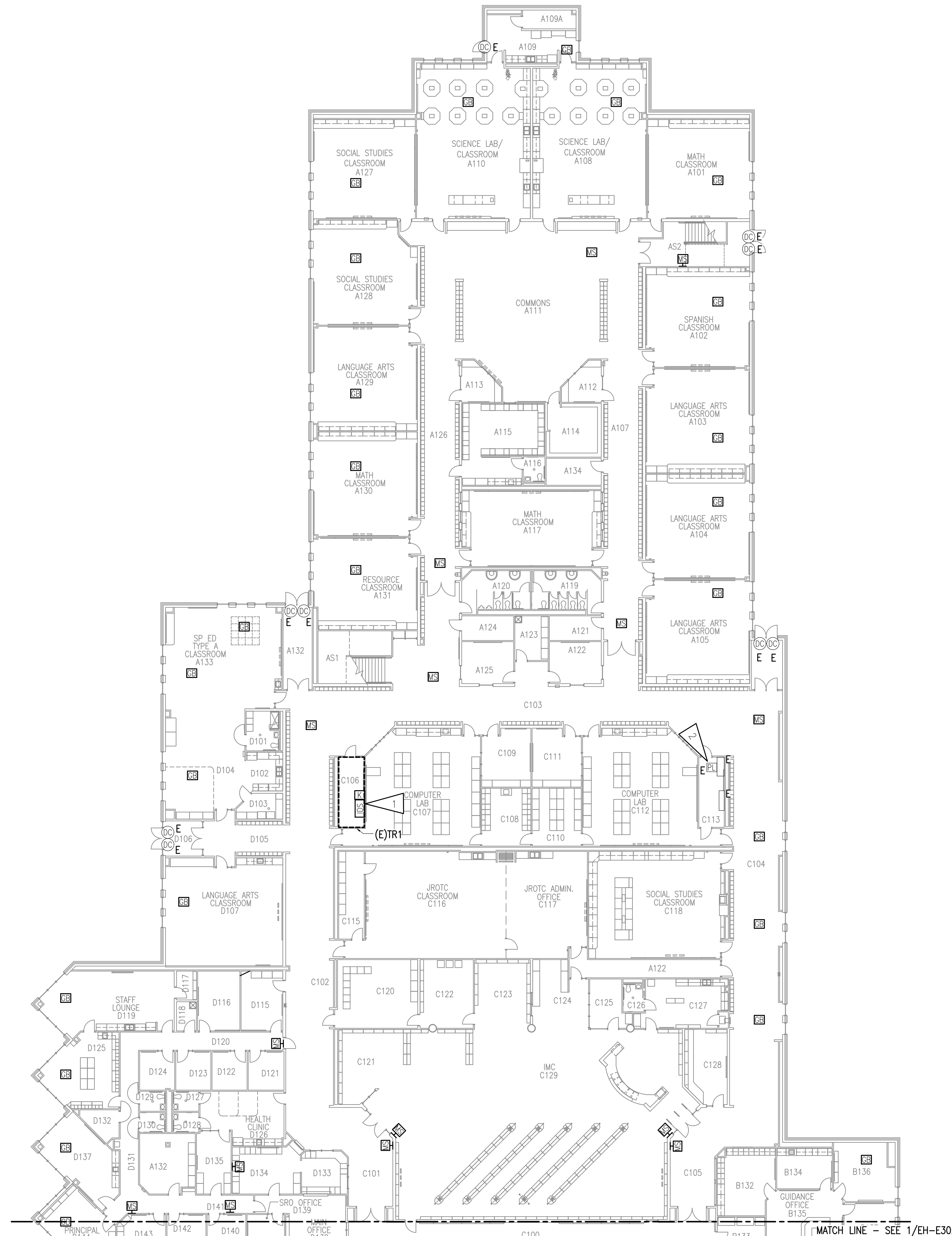
REVISIONS:

DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: EH SERIES

DRAWING TITLE:  
EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - ROOF - AREA 'B'

SHEET:  
**EH-E106**

100% BID DOCUMENTS



**GENERAL NOTES:**

- A. UNLESS OTHERWISE NOTED ALL MOTION SENSORS ARE NEW IN NEW LOCATIONS.
- B. COORDINATE LOCATION OF DEVICES WITH ASD PRIOR TO ROUGH-IN.
- C. SEE SHEETS G001 AND G002 FOR GENERAL NOTES AND DETAILS.
- D. WALL MOUNTED MOTION SENSORS SHALL BE INSTALLED MINIMUM 8'-0" AFF.
- E. CONNECT SECURITY DEVICES TO NEW INTRUSION DETECTION SYSTEM IN ROOM C106, SEE 1/EH-E201.
- F. UNLESS OTHERWISE NOTED ALL GLASS BREAKS, INTRUSION DETECTION KEYPADS AND MOTION SENSORS ARE NEW AT OR NEAR EXISTING LOCATIONS. AT THE CONTRACTOR'S OPTION EXISTING RACEWAYS MAY BE REUSED WHERE APPLICABLE.
- G. SEE SHEET EH-E401 FOR INTRUSION DETECTION SYSTEM ONE-LINE DIAGRAM.
- H. CONNECT BUILDING FREEZE RELAY TO NEW INTRUSION DETECTION SYSTEM.
- I. CEILING-MOUNTED MOTION SENSORS ARE CONVENTIONAL AND REQUIRE A SINGLE-POINT INPUT MODULE.
- J. CONNECT EXISTING DOOR CONTACTS TO NEW INTRUSION DETECTION SYSTEM PANEL.

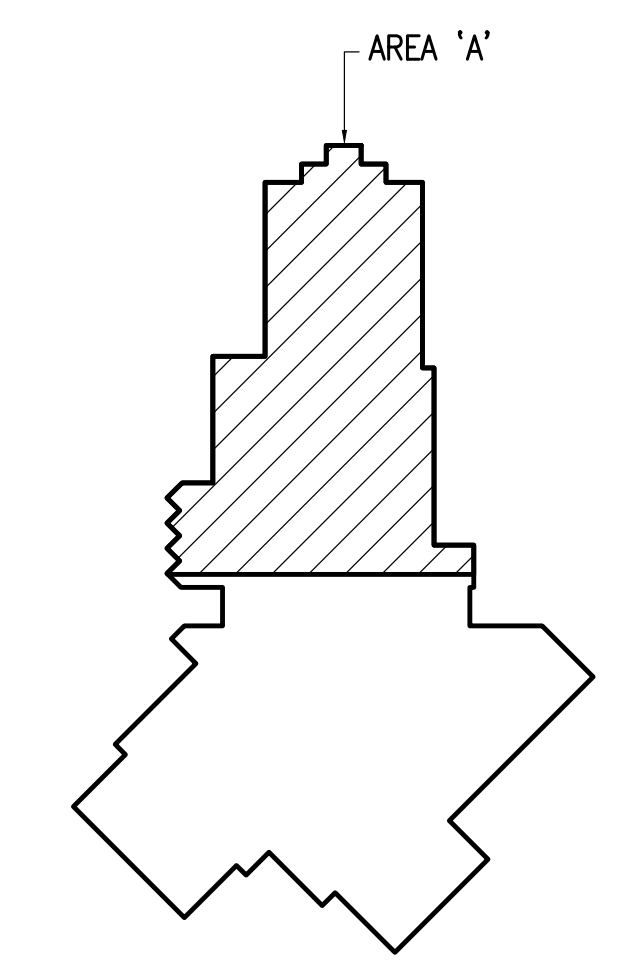
**SHEET NOTES:**

- 1. INSTALL NEW INTRUSION DETECTION SYSTEM PANEL IN EXISTING LOCATION. CONNECT TO SALVAGED INTRUSION DETECTION POWER CIRCUIT IN ROOM.
- 2. PROVIDE NEW CONNECTION FROM EXISTING ELECTRICAL PHASE LOSS RELAY TO NEW INTRUSION DETECTION SYSTEM.

**NOTE TO CONTRACTOR**

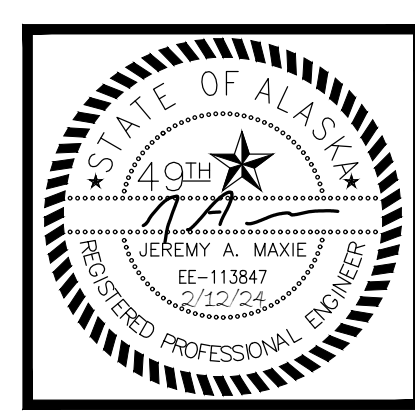
**NOTIFICATION OF POTENTIAL HAZARDS:**

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**KEY PLAN - ERHS**  
NO SCALE

**1** EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - LEVEL 1 - AREA 'A'  
1/16" = 1'-0"



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
1000 W. 10th Ave., Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0021  
Corporate No. AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #99228  
EAGLE RIVER HIGH SCHOOL  
8701 YOSEMITE DR.  
EAGLE RIVER, ALASKA 99577

REVISIONS:

DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: EH SERIES

DRAWING TITLE:  
EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - LEVEL 1 - AREA 'A'

SHEET:  
**EH-E201**

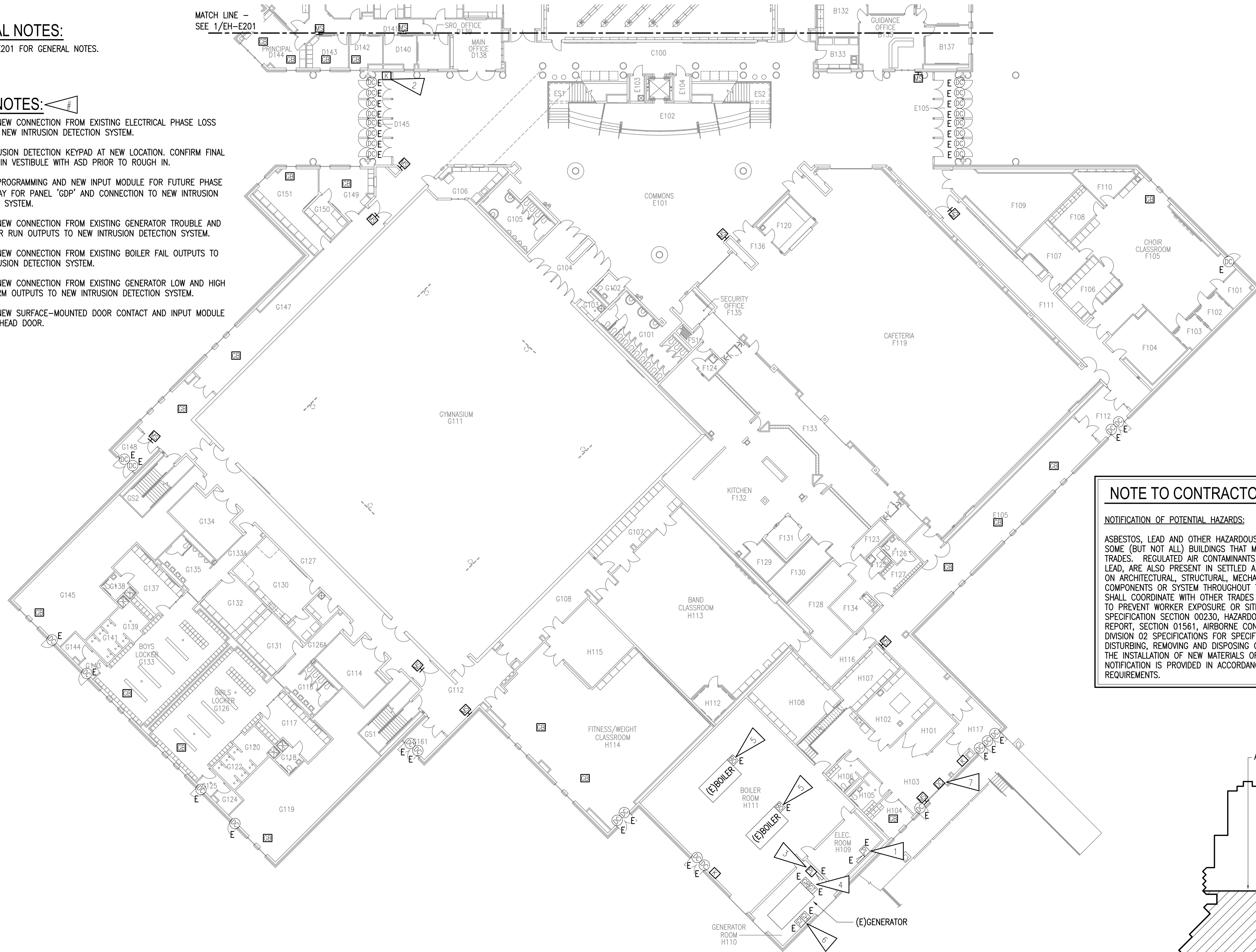
100% BID DOCUMENTS

**GENERAL NOTES:**

A. SEE EH-E201 FOR GENERAL NOTES.

**SHEET NOTES:**

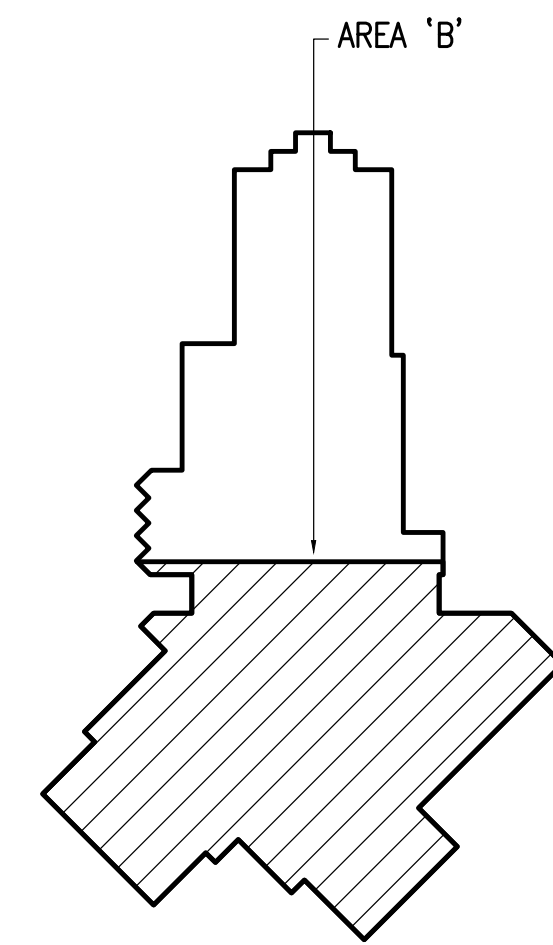
1. PROVIDE NEW CONNECTION FROM EXISTING ELECTRICAL PHASE LOSS RELAY TO NEW INTRUSION DETECTION SYSTEM.
2. NEW INTRUSION DETECTION KEYPAD AT NEW LOCATION. CONFIRM FINAL LOCATION IN VESTIBULE WITH ASD PRIOR TO ROUGH IN.
3. PROVIDE PROGRAMMING AND NEW INPUT MODULE FOR FUTURE PHASE LOSS RELAY FOR PANEL 'GDP' AND CONNECTION TO NEW INTRUSION DETECTION SYSTEM.
4. PROVIDE NEW CONNECTION FROM EXISTING GENERATOR TROUBLE AND GENERATOR RUN OUTPUTS TO NEW INTRUSION DETECTION SYSTEM.
5. PROVIDE NEW CONNECTION FROM EXISTING BOILER FAIL OUTPUTS TO NEW INTRUSION DETECTION SYSTEM.
6. PROVIDE NEW CONNECTION FROM EXISTING GENERATOR LOW AND HIGH FUEL ALARM OUTPUTS TO NEW INTRUSION DETECTION SYSTEM.
7. PROVIDE NEW SURFACE-MOUNTED DOOR CONTACT AND INPUT MODULE FOR OVERHEAD DOOR.



**NOTE TO CONTRACTOR**

**NOTIFICATION OF POTENTIAL HAZARDS:**

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**1** EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - LEVEL 1 - AREA 'B'  
1/16" = 1'-0"

**KEY PLAN - ERHS**  
NO SCALE



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
1000 W. 11th Ave., Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No. AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #099228  
EAGLE RIVER HIGH SCHOOL  
8701 YOSEMITE DR.  
EAGLE RIVER, ALASKA 99577

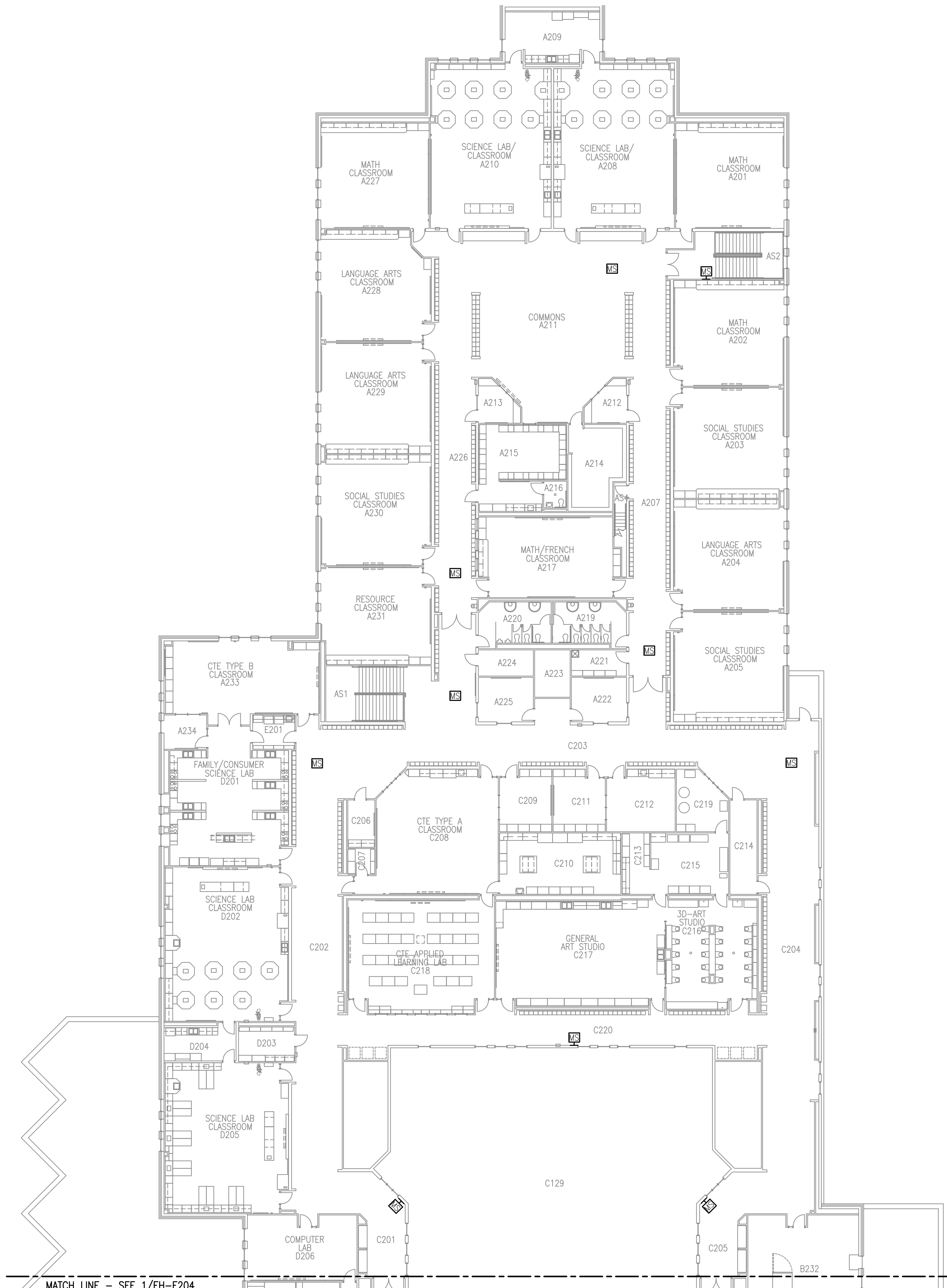
REVISIONS:

DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: EH SERIES

DRAWING TITLE:  
EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - LEVEL 1 - AREA 'B'

SHEET:  
**EH-E202**

100% BID DOCUMENTS



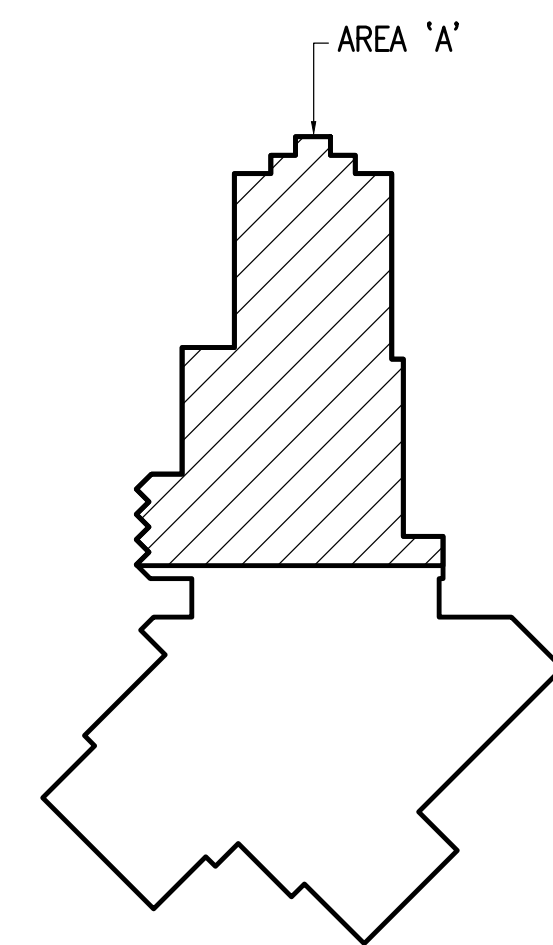
**NOTE TO CONTRACTOR**

**NOTIFICATION OF POTENTIAL HAZARDS:**

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

**GENERAL NOTES:**

A. SEE EH-E201 FOR GENERAL NOTES.



**KEY PLAN - ERHS**  
NO SCALE



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
1000 W. 11th Ave., Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No.: AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #099228  
EAGLE RIVER HIGH SCHOOL  
8701 YOSEMITE DR.  
EAGLE RIVER, ALASKA 99577

REVISIONS:

DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: EH SERIES

DRAWING TITLE:  
EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - LEVEL 2 - AREA 'A'

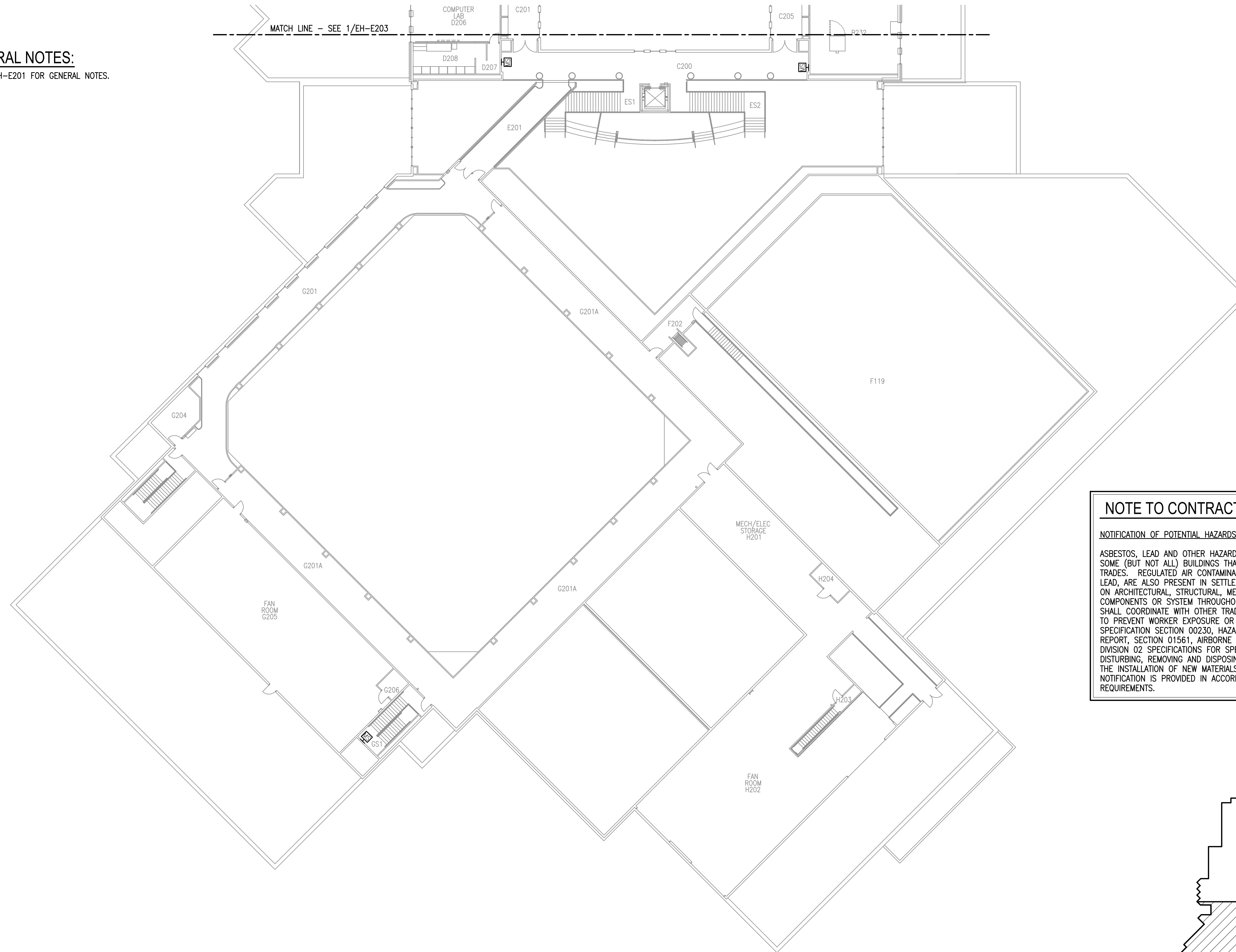
SHEET:  
**EH-E203**

100% BID DOCUMENTS

**1** EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - LEVEL 2 - AREA 'A'  
1/16" = 1'-0"

**GENERAL NOTES:**

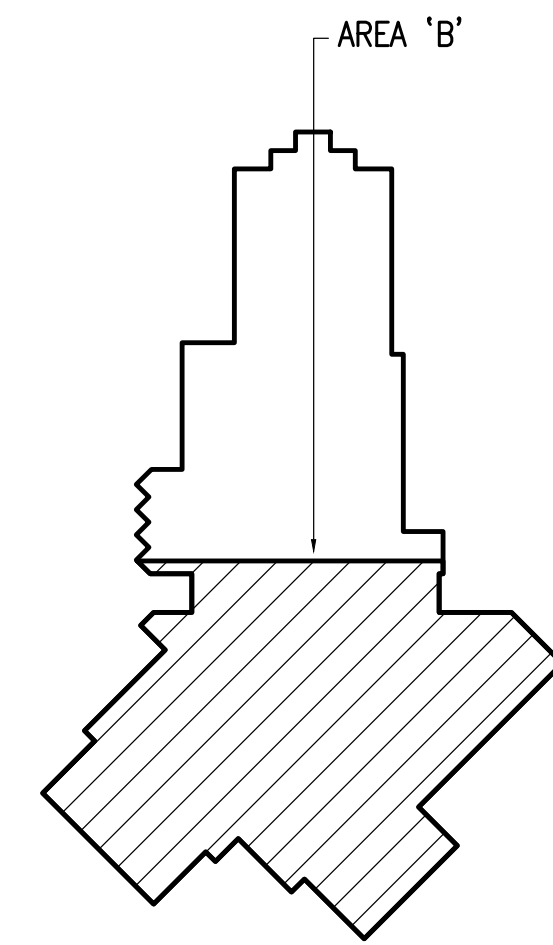
A. SEE EH-E201 FOR GENERAL NOTES.



**NOTE TO CONTRACTOR**

NOTIFICATION OF POTENTIAL HAZARDS:

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**1** EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - LEVEL 2 - AREA 'B'  
1/16" = 1'-0"

**KEY PLAN - ERHS**  
NO SCALE



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
1000 W. 11th Ave., Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No.: AECC542



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES. ASD PROJECT #099228  
EAGLE RIVER HIGH SCHOOL  
8701 YOSEMITE DR.  
EAGLE RIVER, ALASKA 99577

REVISIONS:

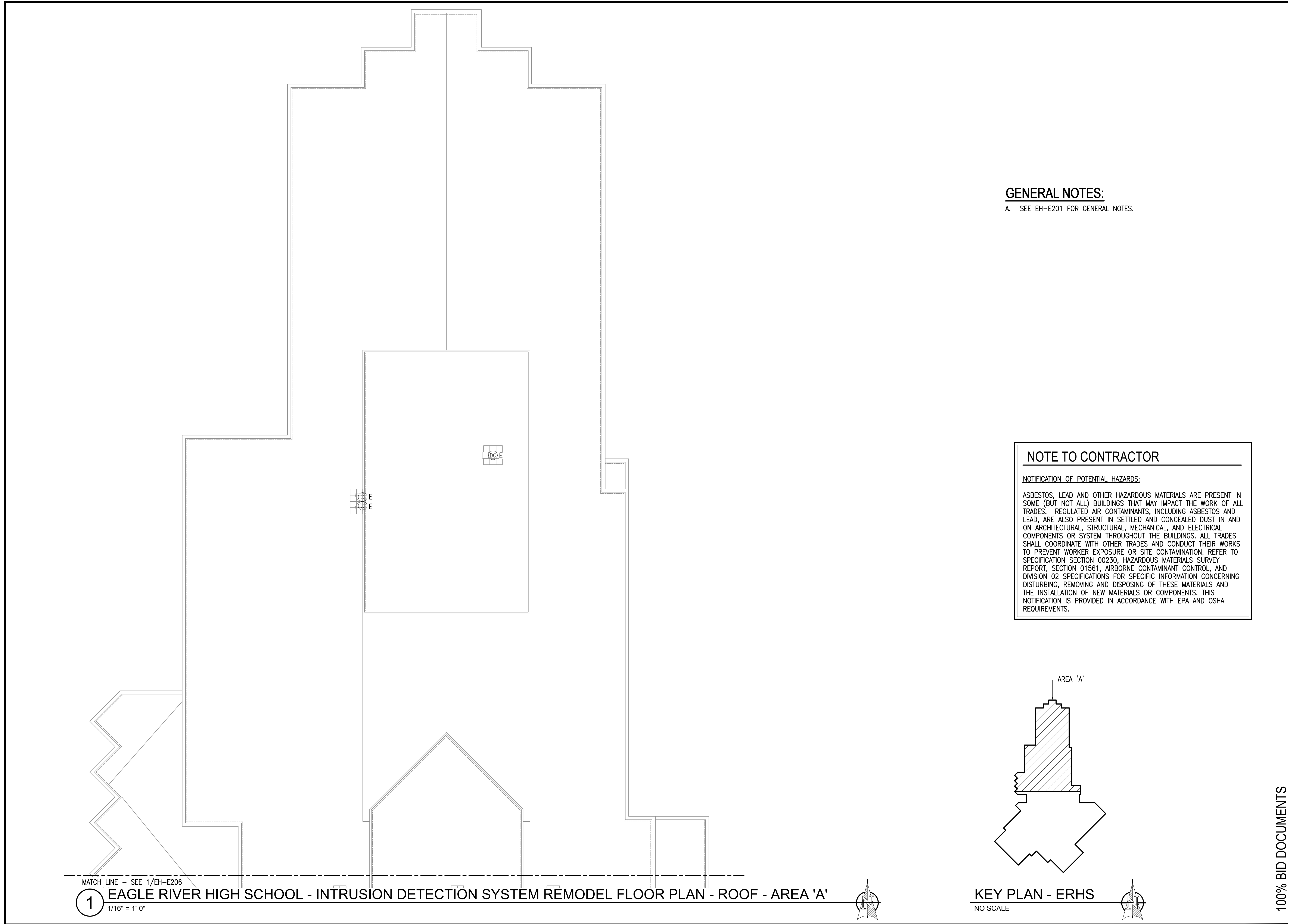
DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: EH SERIES

DRAWING TITLE:  
EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - LEVEL 2 - AREA 'B'

SHEET:  
**EH-E204**

100% BID DOCUMENTS



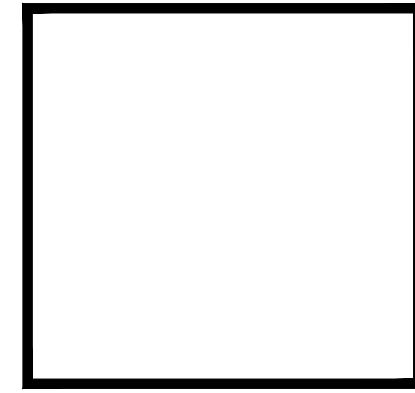
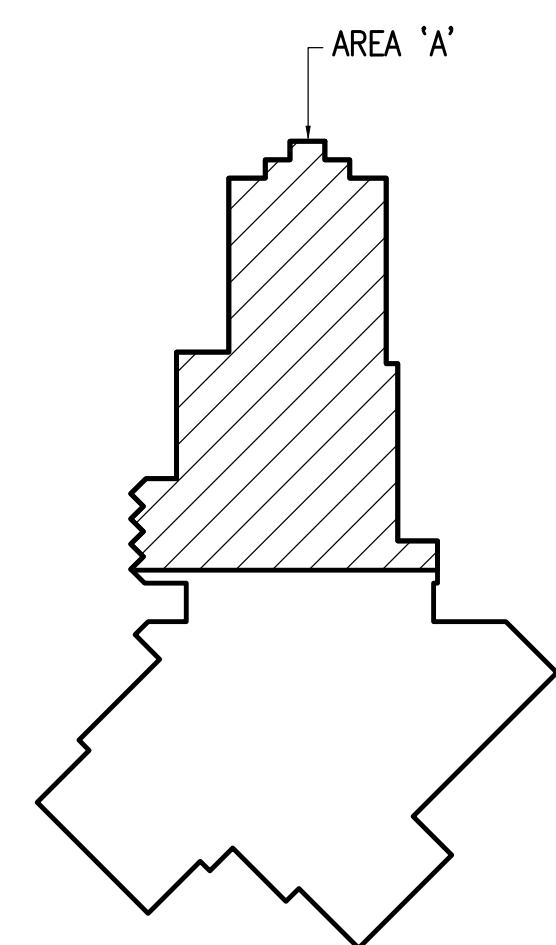


**GENERAL NOTES:**  
 A. SEE EH-E201 FOR GENERAL NOTES.

**NOTE TO CONTRACTOR**

NOTIFICATION OF POTENTIAL HAZARDS:

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**RISA Engineering, Inc.**  
 MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
 800 W. 11th Ave., Suite 200  
 Anchorage, AK 99503  
 Phone (907) 276-0521  
 Corporate No.: AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
 MULTI-SITE INTRUSION DETECTION SYSTEM  
 UPGRADES, ASD PROJECT #999228  
 EAGLE RIVER HIGH SCHOOL  
 8701 YOSEMITE DR.  
 EAGLE RIVER, ALASKA 99577

REVISIONS:

DRAWN BY: CSZ,NDZ  
 CHECKED BY: JAM,SB  
 DATE: 02/12/2024  
 JOB NUMBER: M3167  
 DWG FILE: EH SERIES

DRAWING TITLE:  
 EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - ROOF - AREA 'A'

SHEET:  
**EH-E205**

100% BID DOCUMENTS

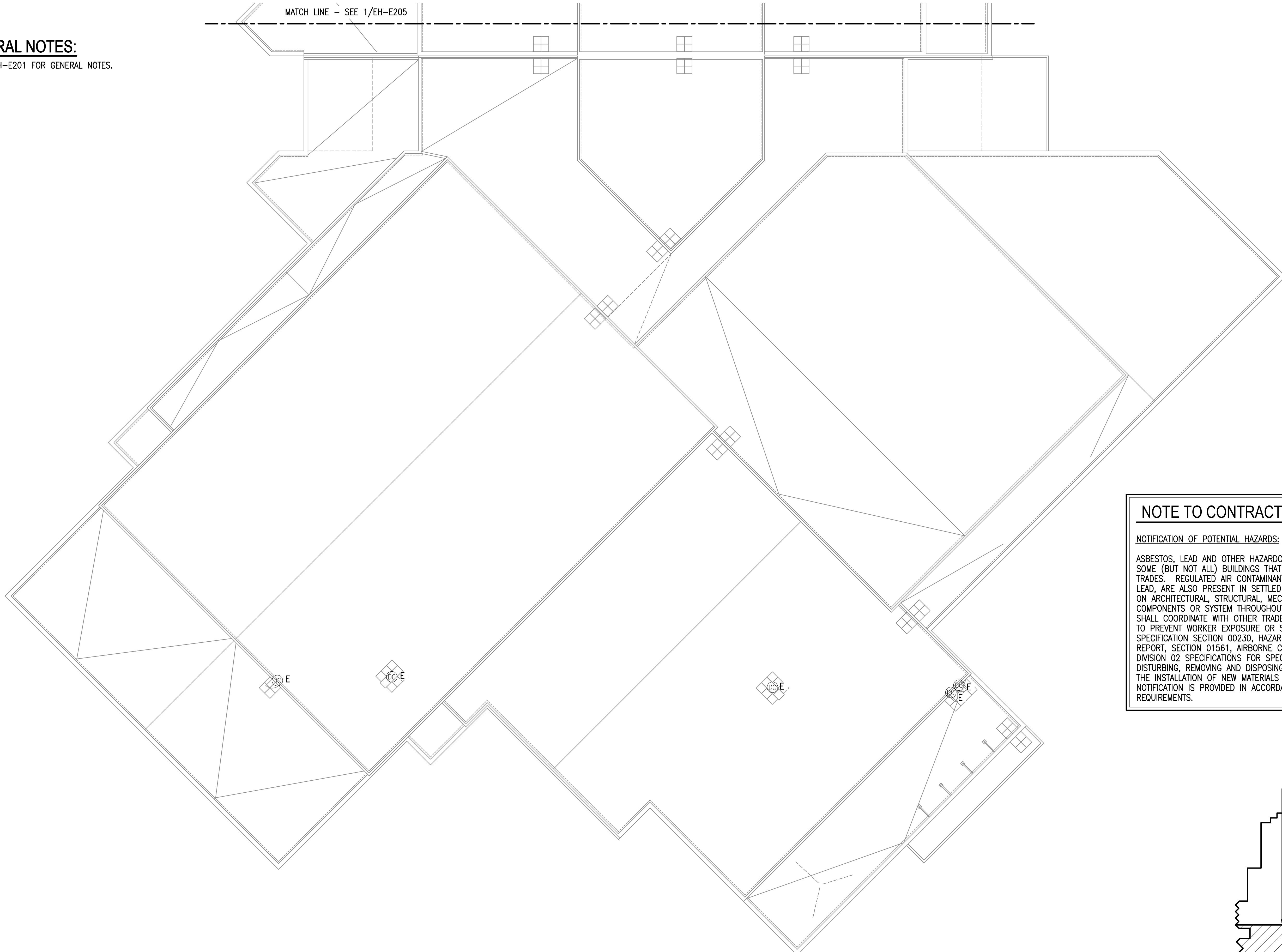
MATCH LINE - SEE 1/EH-E206  
**1** EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - ROOF - AREA 'A'  
 1/16" = 1'-0"

**KEY PLAN - ERHS**  
 NO SCALE

**GENERAL NOTES:**

A. SEE EH-E201 FOR GENERAL NOTES.

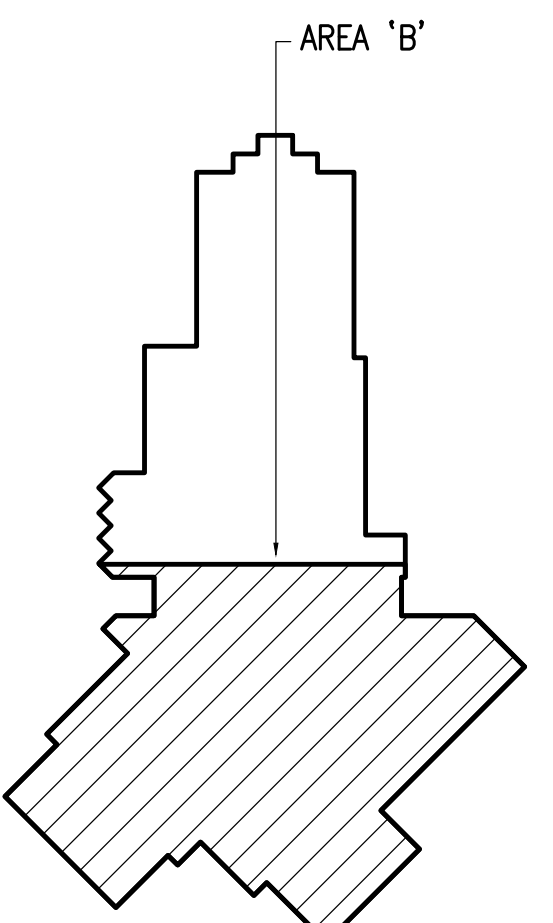
MATCH LINE - SEE 1/EH-E205



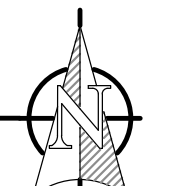
**NOTE TO CONTRACTOR**

NOTIFICATION OF POTENTIAL HAZARDS:

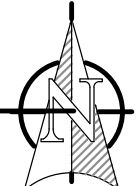
ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**1** EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - ROOF - AREA 'B'  
1/16" = 1'-0"



**KEY PLAN - ERHS**  
NO SCALE



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
1000 W. 11th Ave., Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No. AECC542



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #099228  
EAGLE RIVER HIGH SCHOOL  
8701 YOSEMITE DR.  
EAGLE RIVER, ALASKA 99577

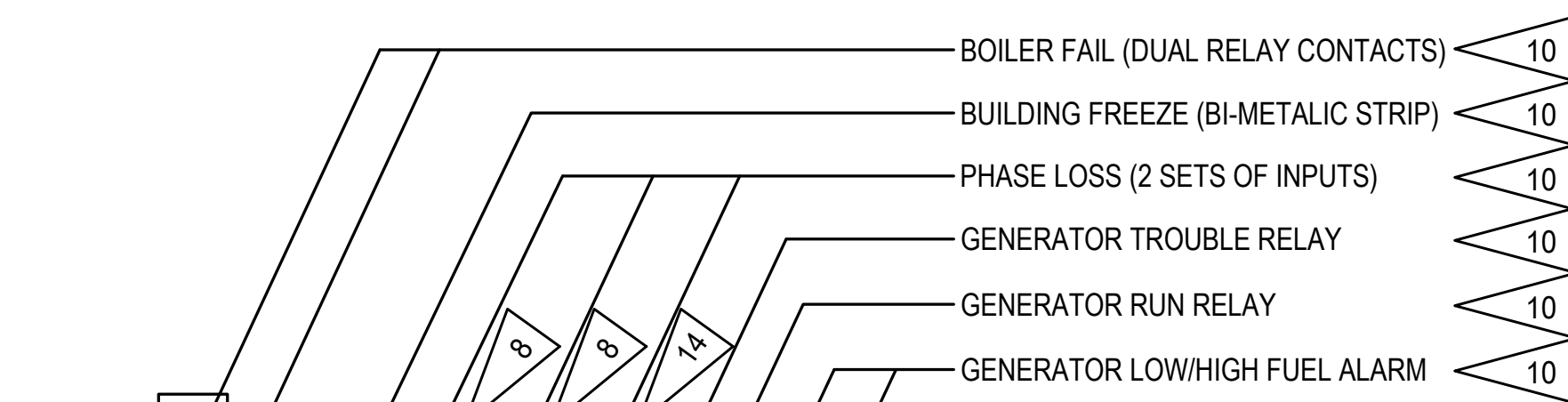
REVISIONS:

DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: EH SERIES

DRAWING TITLE:  
EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - ROOF - AREA 'B'

SHEET:  
**EH-E206**

100% BID DOCUMENTS

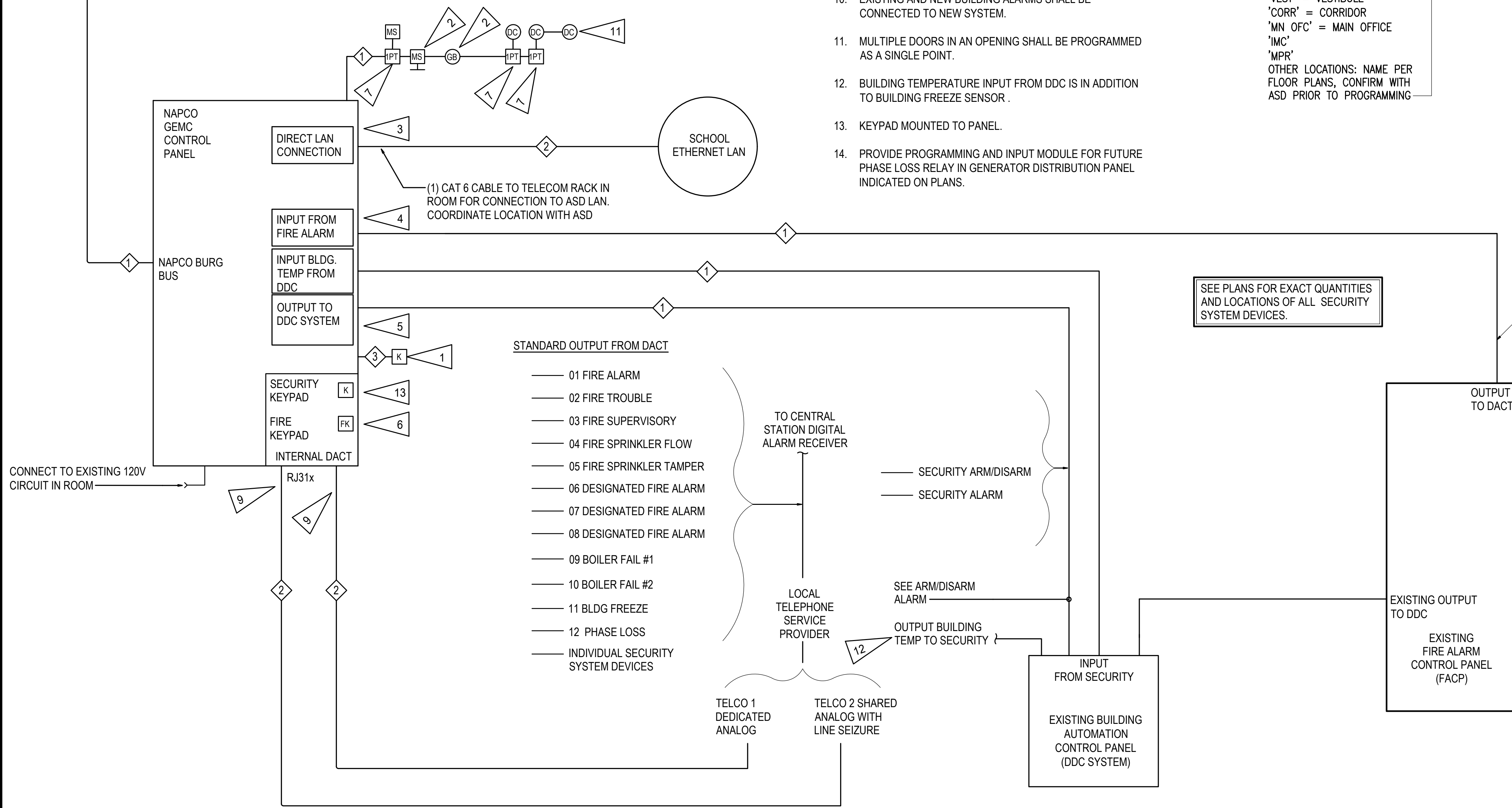
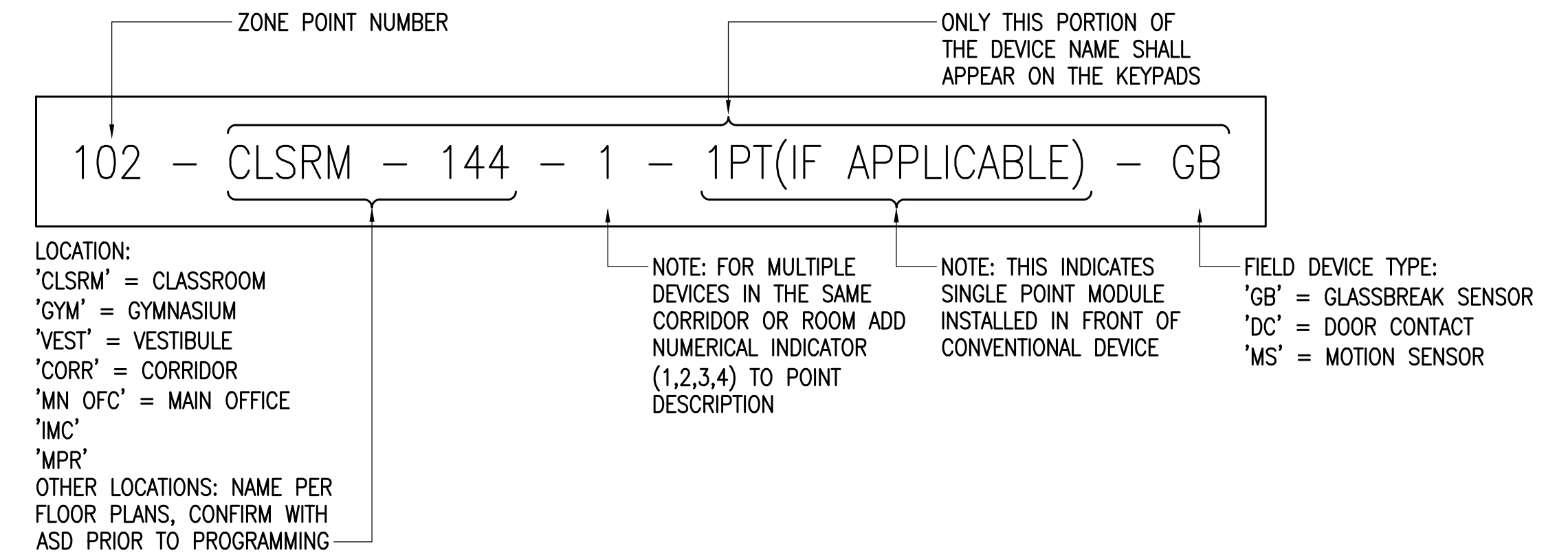


CABLE NUMBER	DESCRIPTION	SPECIFICATION
1	MULTI-DROP COMMUNICATIONS/POWER CABLE	SECTION 28 31 00
2	TELECOMMUNICATIONS CABLE	SECTION 28 31 00
3	KEYPAD CABLE	SECTION 28 31 00

**DETAIL NOTES:**

- SEE PLANS FOR LOCATION OF REMOTE KEYPADS.
- CONNECT ADDRESSABLE DEVICES TO INTRUSION DETECTION SYSTEM SLC.
- PROVIDE NETWORK MODULE IN INTRUSION DETECTION SYSTEM PANEL.
- PROVIDE FIRE ALARM INPUT MODULE.
- PROVIDE RELAY MODULE FOR OUTPUT TO DDC SYSTEM.
- PROVIDE FIRE KEYPAD AT CONTROL PANEL FOR FIRE ALARM INTERFACE.
- PROVIDE SINGLE-POINT MODULE FOR DOOR CONTACTS AND CEILING-MOUNTED MOTION SENSORS, AND CONNECT TO SLC.
- PROVIDE CONNECTION TO PHASE LOSS RELAYS IN DISTRIBUTION PANELS INDICATED ON PLANS.
- PROVIDE CONNECTION TO TELEPHONE SYSTEM. EXISTING CONNECTION MAY BE RELOCATED/REUSED.
- EXISTING AND NEW BUILDING ALARMS SHALL BE CONNECTED TO NEW SYSTEM.
- MULTIPLE DOORS IN AN OPENING SHALL BE PROGRAMMED AS A SINGLE POINT.
- BUILDING TEMPERATURE INPUT FROM DDC IS IN ADDITION TO BUILDING FREEZE SENSOR.
- KEYPAD MOUNTED TO PANEL.
- PROVIDE PROGRAMMING AND INPUT MODULE FOR FUTURE PHASE LOSS RELAY IN GENERATOR DISTRIBUTION PANEL INDICATED ON PLANS.

**I/O POINT NAMING FORMAT**



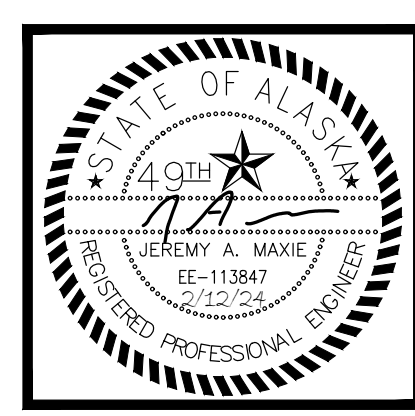
- PROVIDE ALL RELAYS AND PROGRAMMING AS REQUIRED FOR INTERFACE WITH BUILDING SECURITY SYSTEM. PROVIDE RELAYS FOR THE FOLLOWING ALARM FUNCTIONS.
- FIRE ALARM
  - FIRE TROUBLE
  - FIRE SUPERVISORY
  - FIRE SPRINKLER FLOW
  - FIRE SPRINKLER TAMPER

**NOTE TO CONTRACTOR**

**NOTIFICATION OF POTENTIAL HAZARDS:**

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

**1 INTRUSION DETECTION SYSTEM ONE-LINE DIAGRAM**  
NO SCALE



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No.: AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #099228  
EAGLE RIVER HIGH SCHOOL  
8701 YOSEMITE DR.  
EAGLE RIVER, ALASKA 99577

REVISIONS:

DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: EH SERIES

DRAWING TITLE:  
EAGLE RIVER HIGH SCHOOL - INTRUSION DETECTION SYSTEM ONE-LINE DIAGRAM

SHEET:  
**EH-E301**



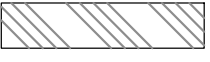
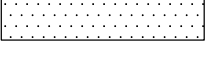


**NOTE TO CONTRACTOR**

NOTIFICATION OF POTENTIAL HAZARDS:

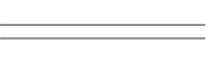
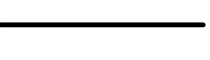
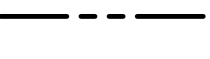
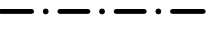
ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

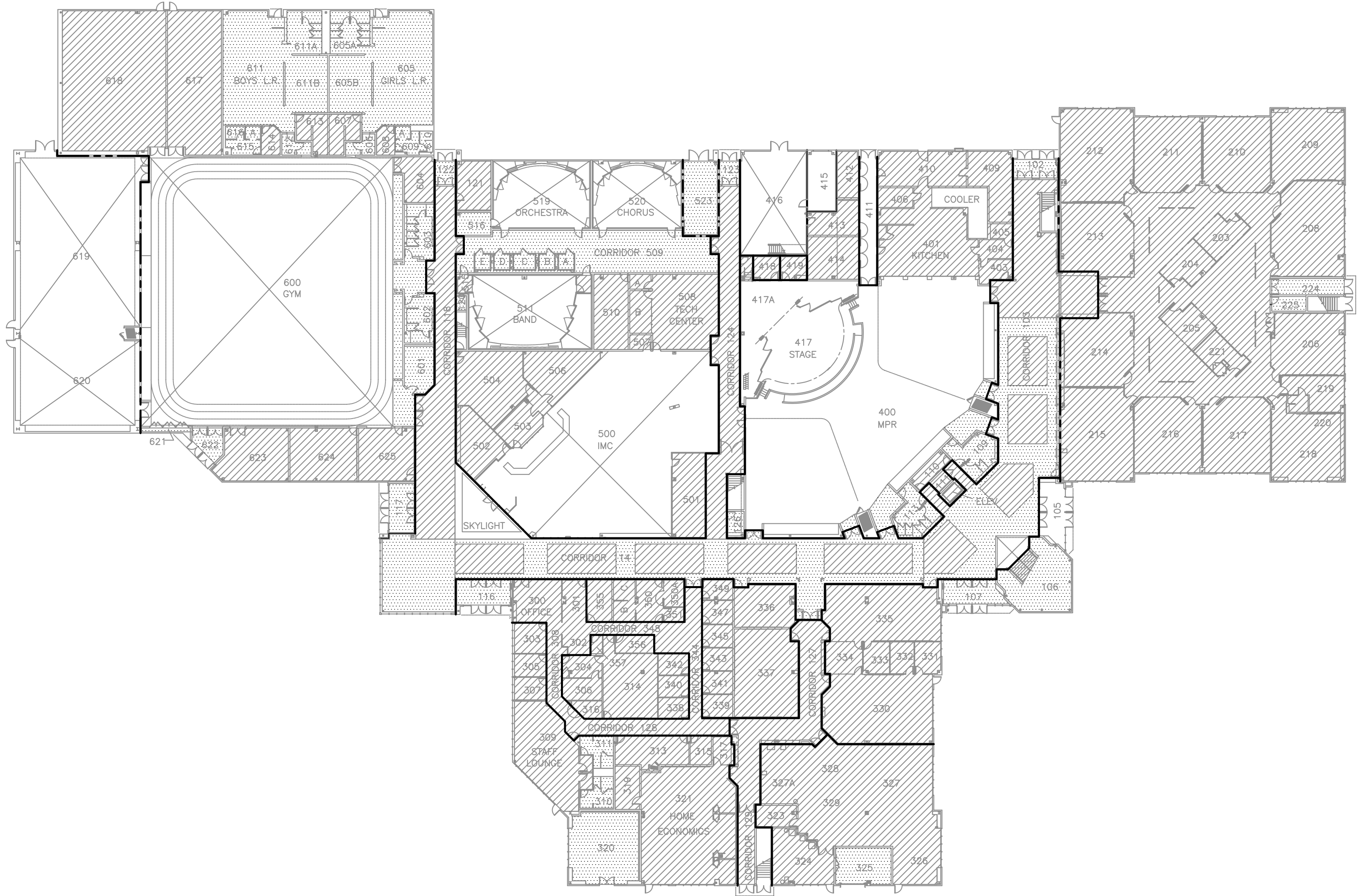
**CEILING TYPE LEGEND:**

CEILING HEIGHT IS +10'-0" OR LOWER, UNLESS OTHERWISE NOTED

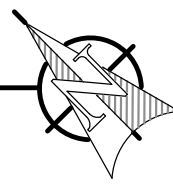
-  DROPPED 2'x4' ACT GRID CEILING
-  GLUE-ON ACOUSTICAL TILE CEILING
-  CORRUGATED METAL PANEL CEILING
-  GWB HARD CEILING
-  EXPOSED TO STRUCTURAL DECK
-  FRP HARD CEILING

**WALL RATING LEGEND:**

-  NON-RATED WALL OR PARTITION
-  1-HOUR RATED WALL OR PARTITION
-  2-HOUR RATED WALL OR PARTITION
-  3-HOUR RATED WALL OR PARTITION



**1 MIRROR LAKE MIDDLE SCHOOL - LEVEL 1 - REFLECTED CEILING PLAN**  
1/32" = 1'-0"



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
22901 LAKE HILL DR.  
ANCHORAGE, AK 99503  
Phone (907) 276-0521  
Corporate No. AECC542



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #099228  
MIRROR LAKE MIDDLE SCHOOL  
22901 LAKE HILL DR.  
CHUGIAK, ALASKA 99567-2069

REVISIONS:

DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: MR SERIES

DRAWING TITLE:  
MIRROR LAKE MIDDLE  
SCHOOL - LEVEL 1 -  
REFLECTED CEILING PLAN

SHEET:  
**MR-E001**

100% BID DOCUMENTS

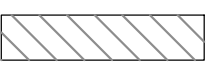
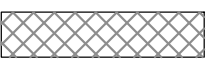
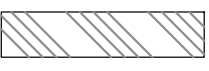
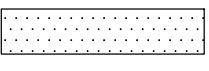

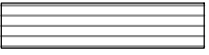
**NOTE TO CONTRACTOR**

NOTIFICATION OF POTENTIAL HAZARDS:


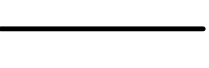
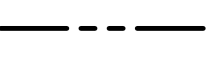
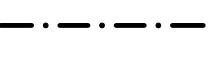
ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

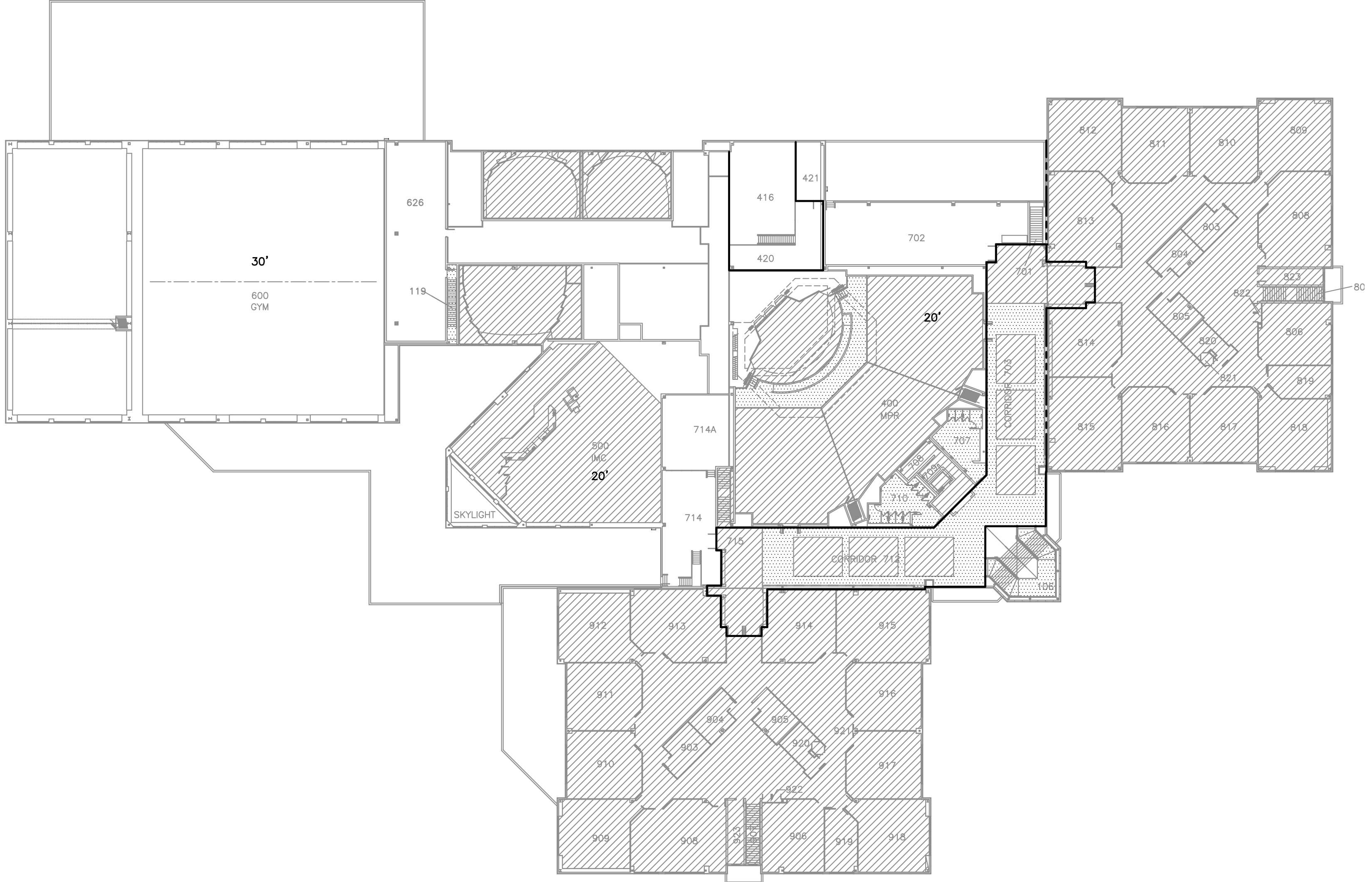
**CEILING TYPE LEGEND:**

CEILING HEIGHT IS +10'-0" OR LOWER, UNLESS OTHERWISE NOTED

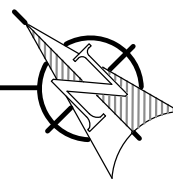
-  DROPPED 2'x4' ACT GRID CEILING
-  GLUE-ON ACOUSTICAL TILE CEILING
-  CORRUGATED METAL PANEL CEILING
-  GWB HARD CEILING
-  EXPOSED TO STRUCTURAL DECK
-  FRP HARD CEILING

**WALL RATING LEGEND:**

-  NON-RATED WALL OR PARTITION
-  1-HOUR RATED WALL OR PARTITION
-  2-HOUR RATED WALL OR PARTITION
-  3-HOUR RATED WALL OR PARTITION



**1 MIRROR LAKE MIDDLE SCHOOL - LEVEL 2 - REFLECTED CEILING PLAN**  
1/32" = 1'-0"



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
2000 S. STEELES BLVD., SUITE 200  
ANCHORAGE, AK 99503  
Phone (907) 276-0521  
Corporate No.: AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #99228  
MIRROR LAKE MIDDLE SCHOOL  
22901 LAKE HILL DR  
CHUGIAK, ALASKA 99567-2069

REVISIONS:

DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: MR SERIES

DRAWING TITLE:  
MIRROR LAKE MIDDLE  
SCHOOL - LEVEL 2 -  
REFLECTED CEILING PLAN

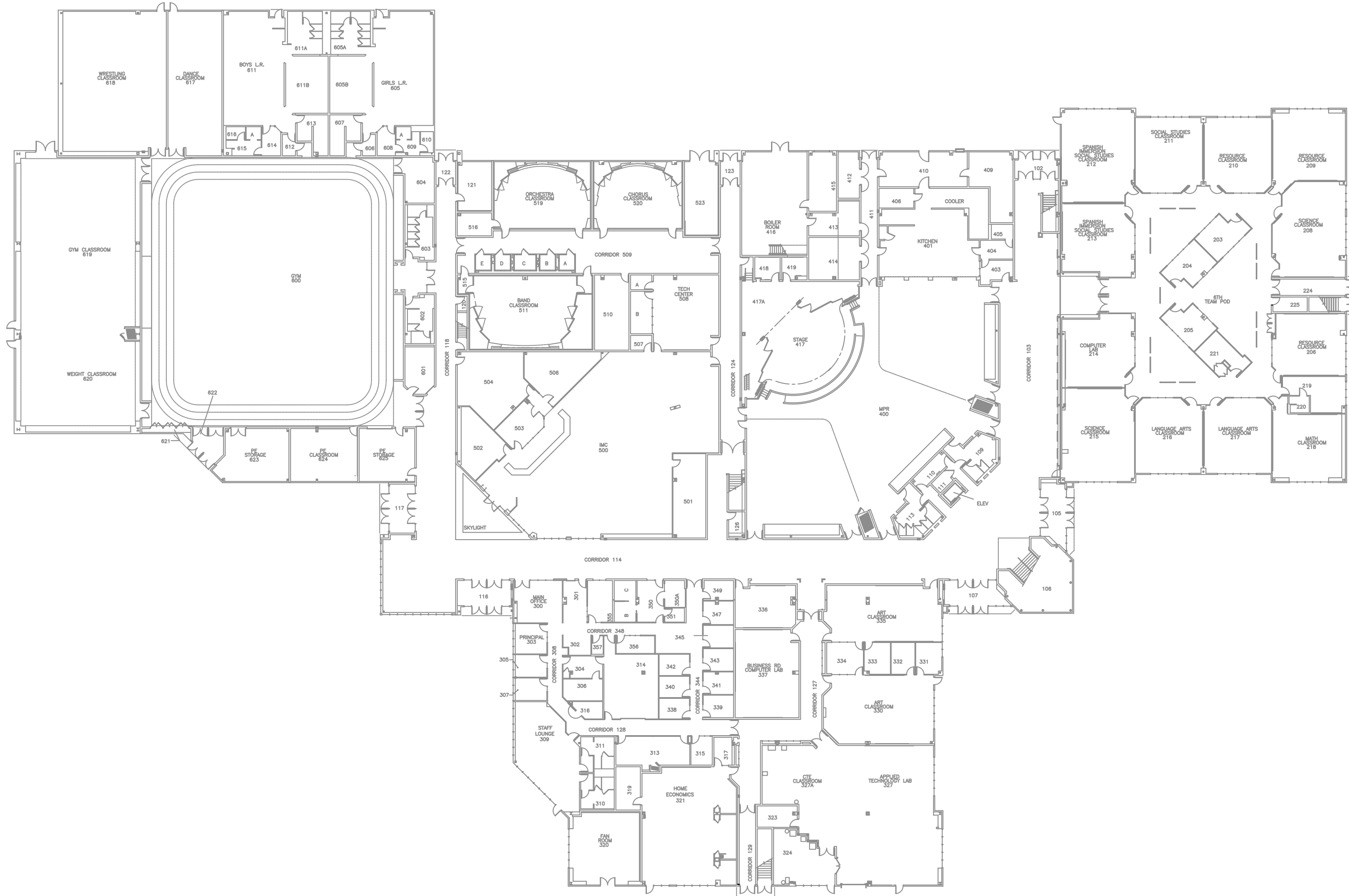
SHEET:  
**MR-E002**

100% BID DOCUMENTS

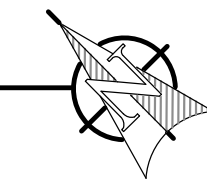
**NOTE TO CONTRACTOR**

NOTIFICATION OF POTENTIAL HAZARDS:

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**1** MIRROR LAKE MIDDLE SCHOOL - LEVEL 1 - ELECTRICAL REFERENCE PLAN  
 1/32" = 1'-0"



**RISA Engineering, Inc.**  
 MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
 800 W. 11th Ave., Suite 200  
 Anchorage, AK 99503  
 Phone (907) 276-0521  
 Corporate No.: AECC542



**ANCHORAGE SCHOOL DISTRICT**  
 MULTI-SITE INTRUSION DETECTION SYSTEM  
 UPGRADES, ASD PROJECT #99228  
 MIRROR LAKE MIDDLE SCHOOL  
 22901 LAKE HILL DR.  
 CHUGIAK, ALASKA 99567-2069

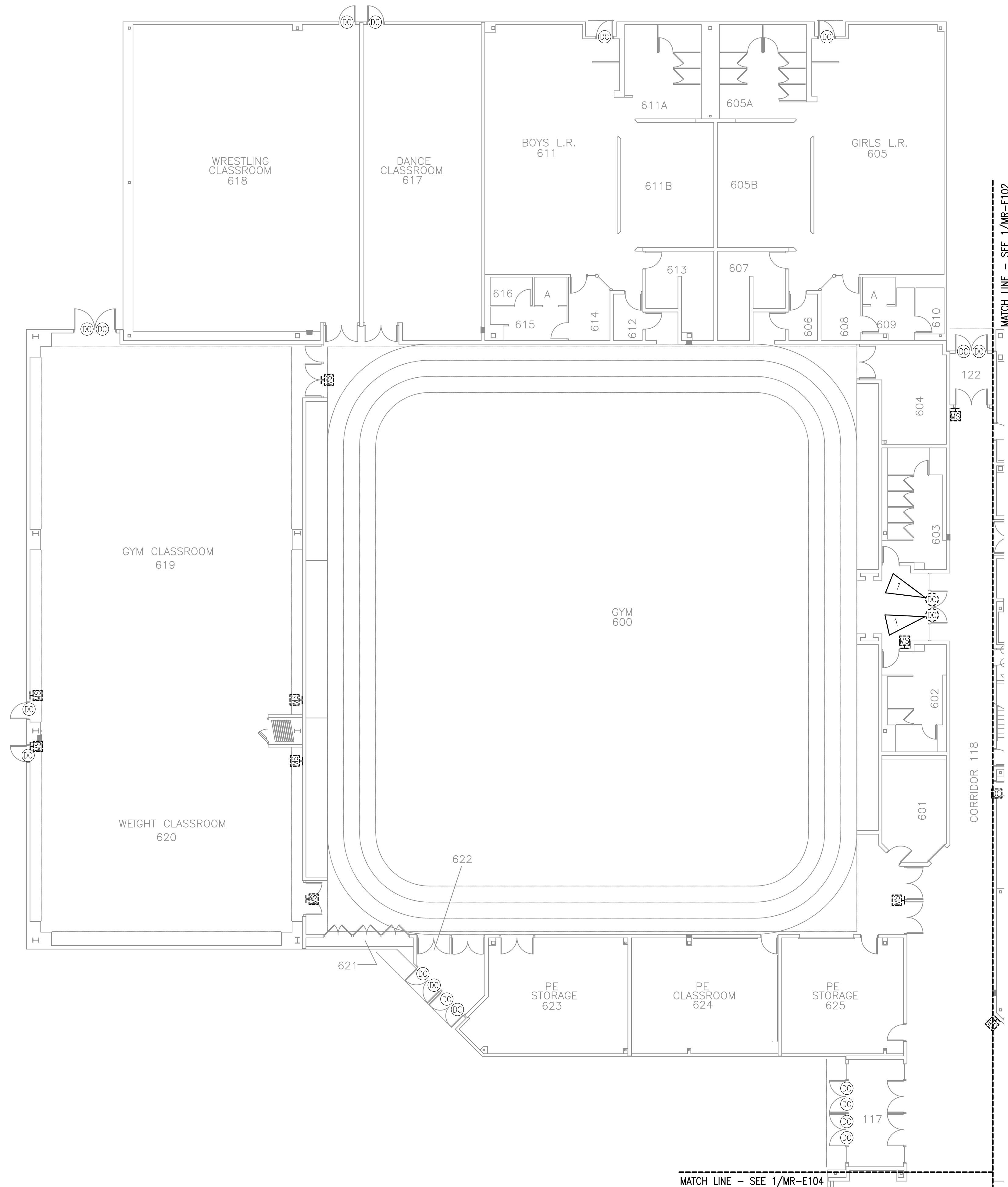
REVISIONS:

DRAWN BY: CSZ,NDZ  
 CHECKED BY: JAM,SB  
 DATE: 02/12/2024  
 JOB NUMBER: M3167  
 DWG FILE: MR SERIES

DRAWING TITLE:  
 MIRROR LAKE MIDDLE  
 SCHOOL - ELECTRICAL  
 REFERENCE PLAN

SHEET:  
**MR-E003**

100% BID DOCUMENTS



**GENERAL NOTES:**

- A. SEE SHEET G001 FOR GENERAL NOTES.
- B. BUILDING FREEZE SENSOR SHALL REMAIN AND BE RECONNECTED BUT WAS NOT LOCATED ON SITE VISIT.

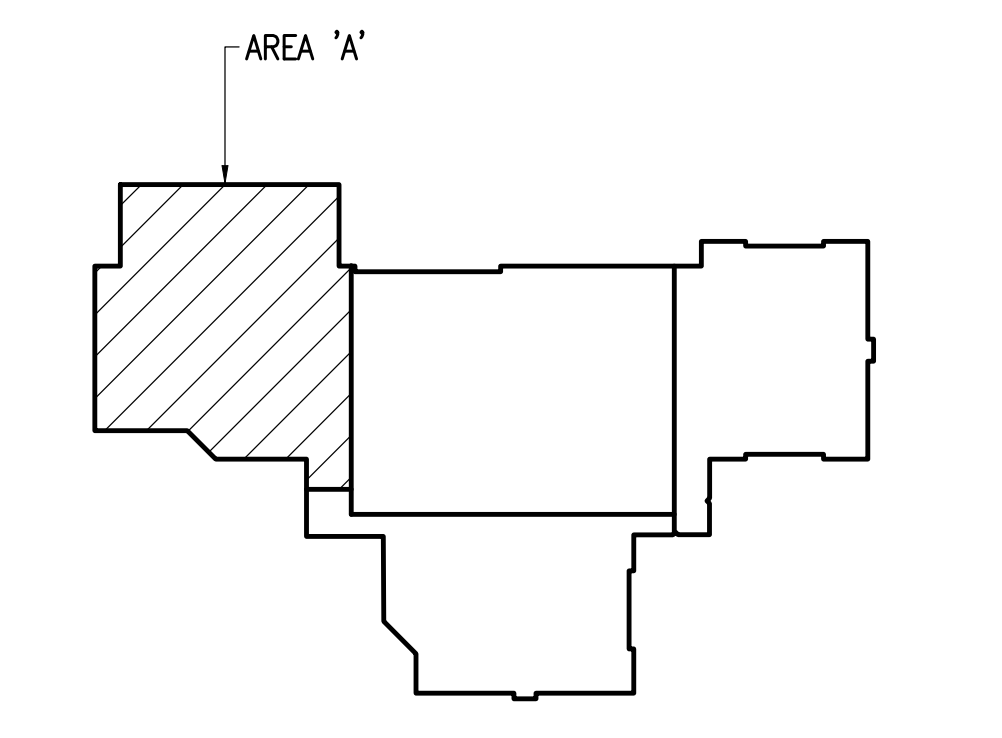
**SHEET NOTES:**

- 1. DEMOLISH DOOR CONTACT AND FILL OR PLUG HOLE. CONTACT WON'T BE REPLACED FOR THIS DOOR.

**NOTE TO CONTRACTOR**

**NOTIFICATION OF POTENTIAL HAZARDS:**

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**KEY PLAN - MLMS**  
NO SCALE



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
2200 C Street, Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No. AECC542



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #099228  
MIRROR LAKE MIDDLE SCHOOL  
22901 LAKE HILL DR.  
CHUGIAK, ALASKA 99567-2069

REVISIONS:

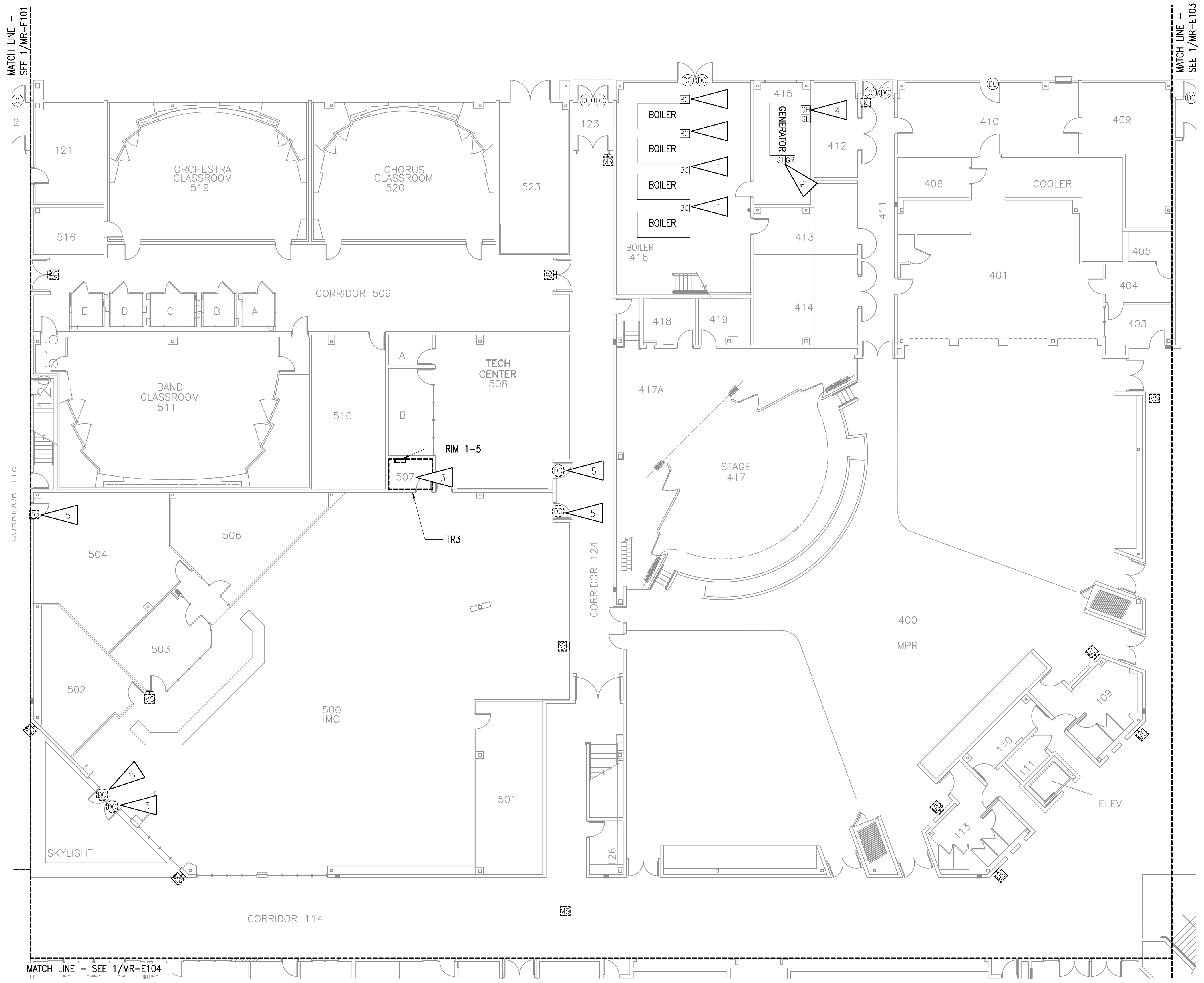
DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: MR SERIES

DRAWING TITLE:  
MIRROR LAKE MIDDLE  
SCHOOL - INTRUSION  
DETECTION SYSTEM  
DEMOLITION FLOOR  
PLAN - LEVEL 1 - AREA A

SHEET:  
**MR-E101**

100% BID DOCUMENTS

**1 MIRROR LAKE MIDDLE SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - LEVEL 1 - AREA A**  
3/32" = 1'-0"



**GENERAL NOTES:**

A. SEE MR-E101 FOR GENERAL NOTES.

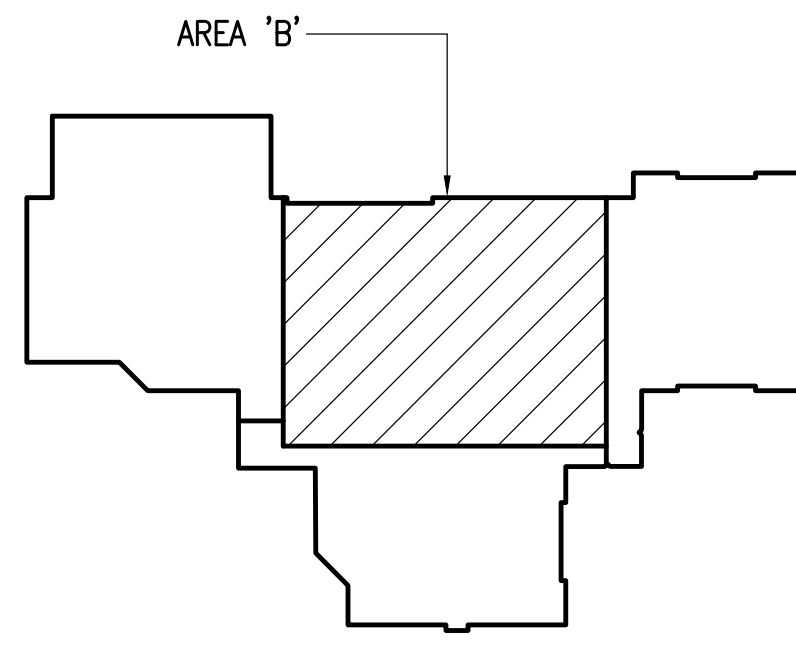
**SHEET NOTES:**

1. EACH BOILER REPORTS ON A BOILER FAIL RELAY. OUTPUTS TO REMAIN AND CONNECT TO NEW INTRUSION DETECTION SYSTEM.
2. GENERATOR RUN AND TROUBLE OUTPUTS TO REMAIN AND CONNECT TO NEW INTRUSION DETECTION SYSTEM.
3. DEMOLISH INTRUSION DETECTION SYSTEM RIMS AND ASSOCIATED TERMINATION CABINET IN ROOM.
4. GENERATOR LOW AND HIGH FUEL ALARM OUTPUTS TO REMAIN AND CONNECT TO NEW INTRUSION DETECTION SYSTEM.
5. DEMOLISH DOOR CONTACT AND FILL OR PLUG HOLE. CONTACT WON'T BE REPLACED FOR THIS DOOR.

**NOTE TO CONTRACTOR**

**NOTIFICATION OF POTENTIAL HAZARDS:**

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**KEY PLAN - MLMS**

NO SCALE



**RISA Engineering, Inc.**  
 MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
 800 S. Steeplechase Blvd., Suite 200  
 Anchorage, AK 99503  
 Phone (907) 276-0521  
 Corporate No. AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
 MULTI-SITE INTRUSION DETECTION SYSTEM  
 UPGRADES, ASD PROJECT #099228  
 MIRROR LAKE MIDDLE SCHOOL  
 22901 LAKE HILL DR  
 CHUGIAK, ALASKA 99567-2069

REVISIONS:

DRAWN BY: CSZ,NDZ  
 CHECKED BY: JAM,SB  
 DATE: 02/12/2024  
 JOB NUMBER: M3167  
 DWG FILE: MR SERIES

DRAWING TITLE:  
 MIRROR LAKE MIDDLE SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - LEVEL 1 - AREA B

SHEET:  
**MR-E102**

100% BID DOCUMENTS

**1 MIRROR LAKE MIDDLE SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - LEVEL 1 - AREA B**

3/32" = 1'-0"





**RISA Engineering, Inc.**  
 MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
 815 W. 11th Ave., Suite 200  
 Anchorage, AK 99503  
 Phone (907) 276-0521  
 Corporate No. AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
 MULTI-SITE INTRUSION DETECTION SYSTEM  
 UPGRADES, ASD PROJECT #099228  
 MIRROR LAKE MIDDLE SCHOOL  
 22901 LAKE HILL DR.  
 CHUGIAK, ALASKA 99567-2069

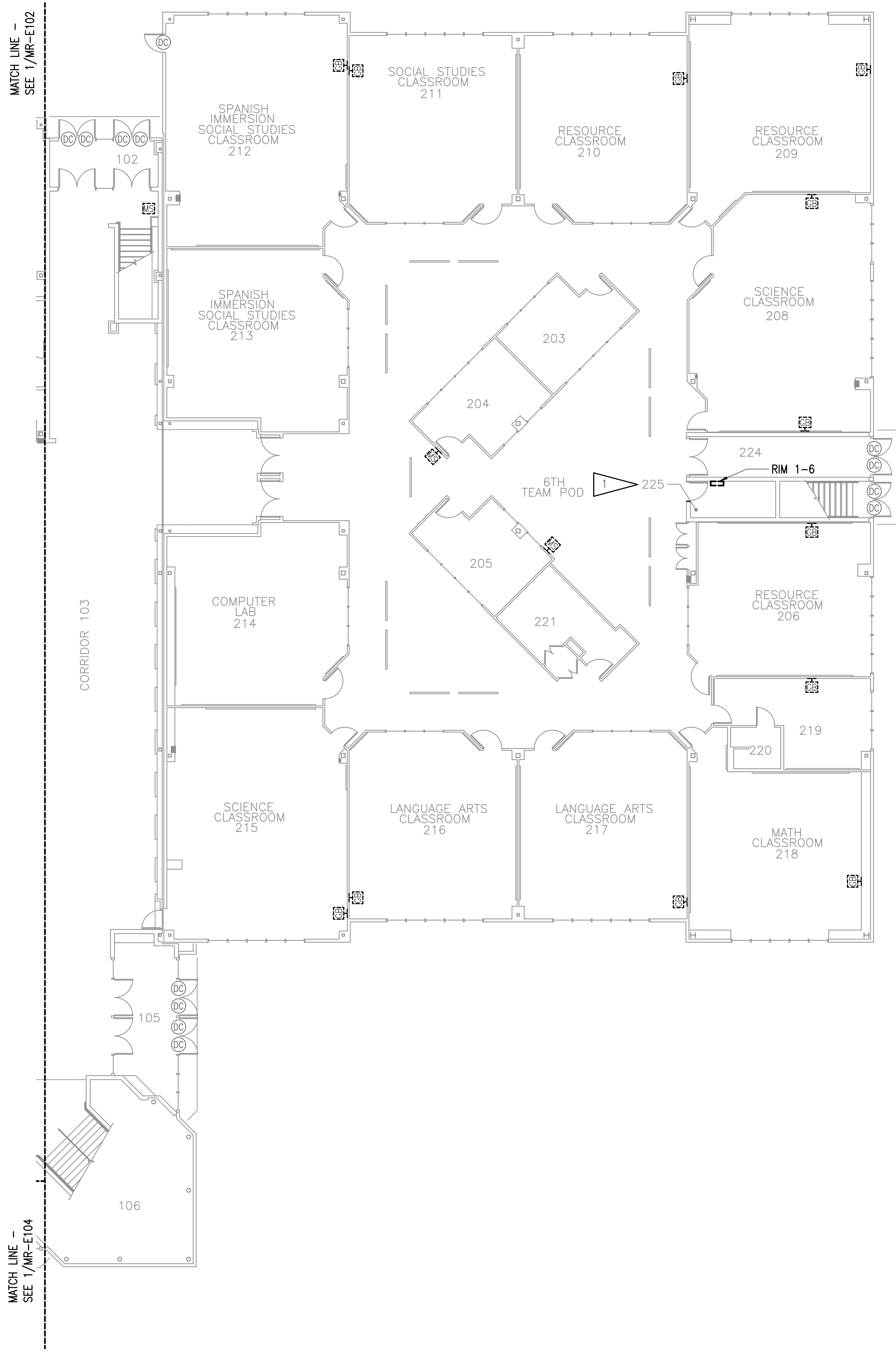
REVISIONS:

DRAWN BY: CSZ,NDZ  
 CHECKED BY: JAM,SB  
 DATE: 02/12/2024  
 JOB NUMBER: M3167  
 DWG FILE: MR SERIES

DRAWING TITLE:  
 MIRROR LAKE MIDDLE  
 SCHOOL - INTRUSION  
 DETECTION SYSTEM  
 DEMOLITION FLOOR  
 PLAN - LEVEL 1 - AREA C

SHEET:  
**MR-E103**

100% BID DOCUMENTS



**GENERAL NOTES:**

A. SEE MR-E101 FOR GENERAL NOTES.

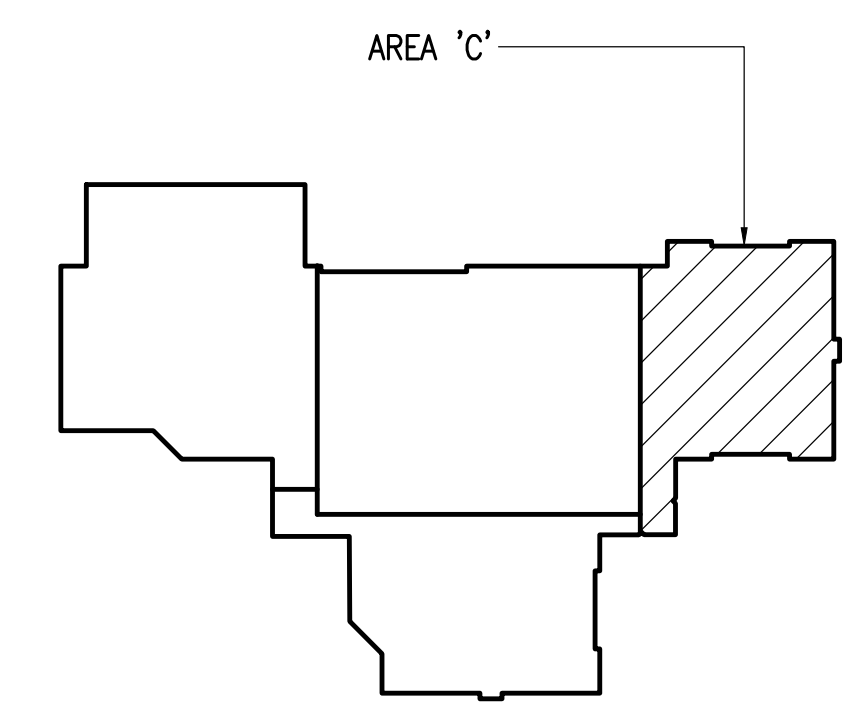
**SHEET NOTES:**

1. DEMOLISH INTRUSION DETECTION SYSTEM RIMS AND ASSOCIATED TERMINATION CABINET IN ROOM.

**NOTE TO CONTRACTOR**

**NOTIFICATION OF POTENTIAL HAZARDS:**

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**KEY PLAN - MLMS**

NO SCALE

**1 MIRROR LAKE MIDDLE SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - LEVEL 1 - AREA C**

3/32" = 1'-0"

**GENERAL NOTES:**

A. SEE MR-E101 FOR GENERAL NOTES.

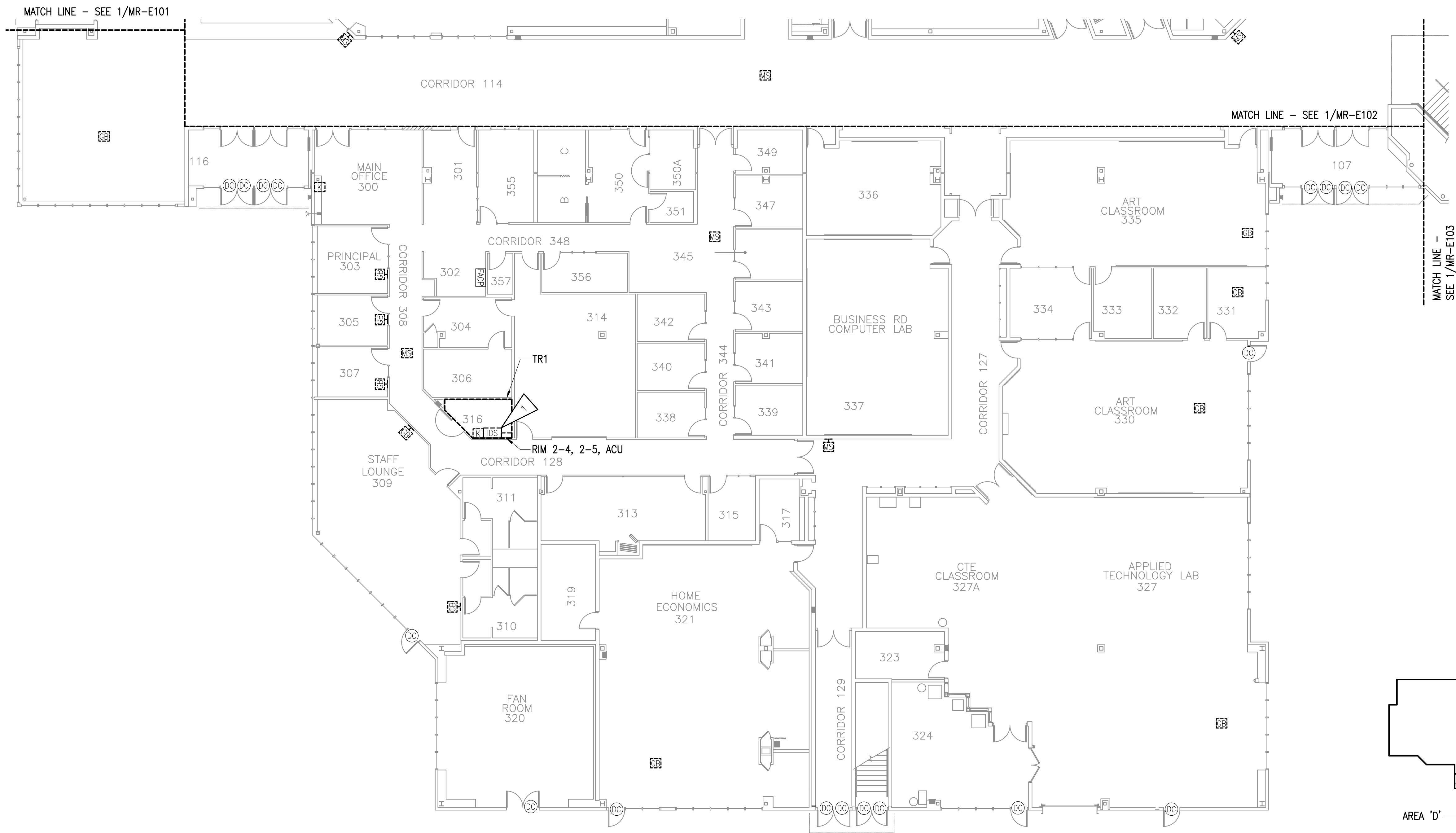
**SHEET NOTES:**

1. DEMOLISH ALL PANELS, EQUIPMENT, RIMS, ACUS AND ASSOCIATED CABLING RELATED TO INTRUSION DETECTION SYSTEM FROM FIELD DEVICES TO INTRUSION DETECTION SYSTEM PANEL, UNLESS OTHERWISE NOTED. SALVAGE POWER CIRCUIT FOR CONNECTION TO NEW INTRUSION DETECTION SYSTEM PANEL.

**NOTE TO CONTRACTOR**

NOTIFICATION OF POTENTIAL HAZARDS:

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**1** MIRROR LAKE MIDDLE SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - LEVEL 1 - AREA D  
3/32" = 1'-0"

**KEY PLAN - MLMS**  
NO SCALE



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
22901 LAKE HILL DR.  
ANCHORAGE, AK 99503  
Phone (907) 276-0521  
Corporate No. AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #099228  
MIRROR LAKE MIDDLE SCHOOL  
22901 LAKE HILL DR.  
CHUGIAK, ALASKA 99567-2069

REVISIONS:

DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: MR SERIES

DRAWING TITLE:  
MIRROR LAKE MIDDLE  
SCHOOL - INTRUSION  
DETECTION SYSTEM  
DEMOLITION FLOOR  
PLAN - LEVEL 1 - AREA D

SHEET:  
**MR-E104**

100% BID DOCUMENTS



**RISA Engineering, Inc.**  
 MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
 800 West 10th Avenue, Suite 200  
 Anchorage, AK 99503  
 Phone (907) 276-0521  
 Corporate No. AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
 MULTI-SITE INTRUSION DETECTION SYSTEM  
 UPGRADES, ASD PROJECT #99228  
 MIRROR LAKE MIDDLE SCHOOL  
 22901 LAKE HILL DR  
 CHUGIAK, ALASKA 99567-2069

REVISIONS:

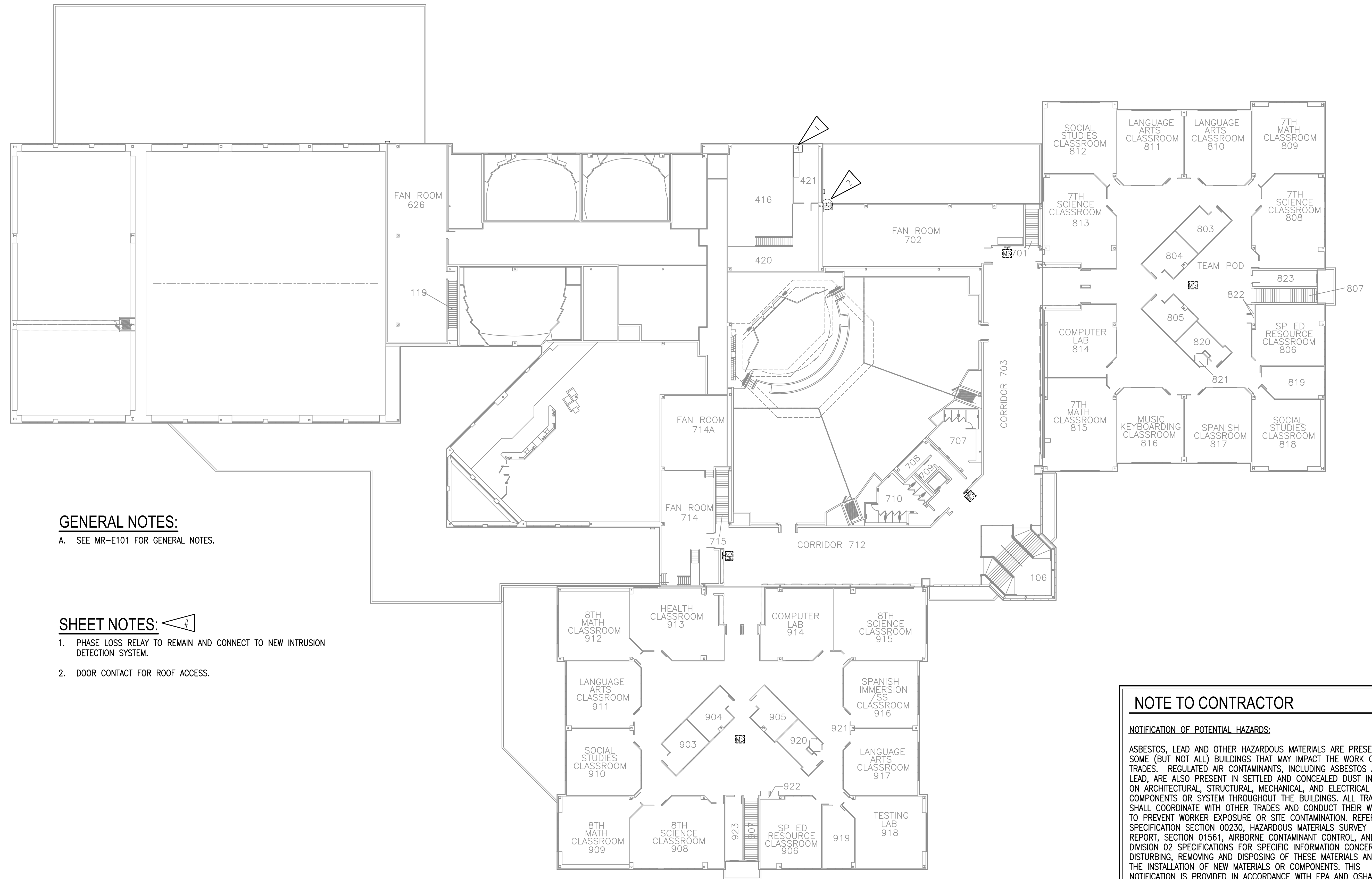
--	--

DRAWN BY:	CSZ,NDZ
CHECKED BY:	JAM,SB
DATE:	02/12/2024
JOB NUMBER:	M3167
DWG FILE:	MR SERIES

DRAWING TITLE:	MIRROR LAKE MIDDLE SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - LEVEL 2
----------------	--

SHEET:	MR-E105
--------	---------

100% BID DOCUMENTS



**GENERAL NOTES:**  
 A. SEE MR-E101 FOR GENERAL NOTES.

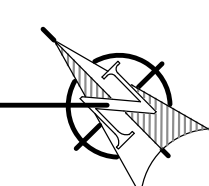
- SHEET NOTES:**
1. PHASE LOSS RELAY TO REMAIN AND CONNECT TO NEW INTRUSION DETECTION SYSTEM.
  2. DOOR CONTACT FOR ROOF ACCESS.

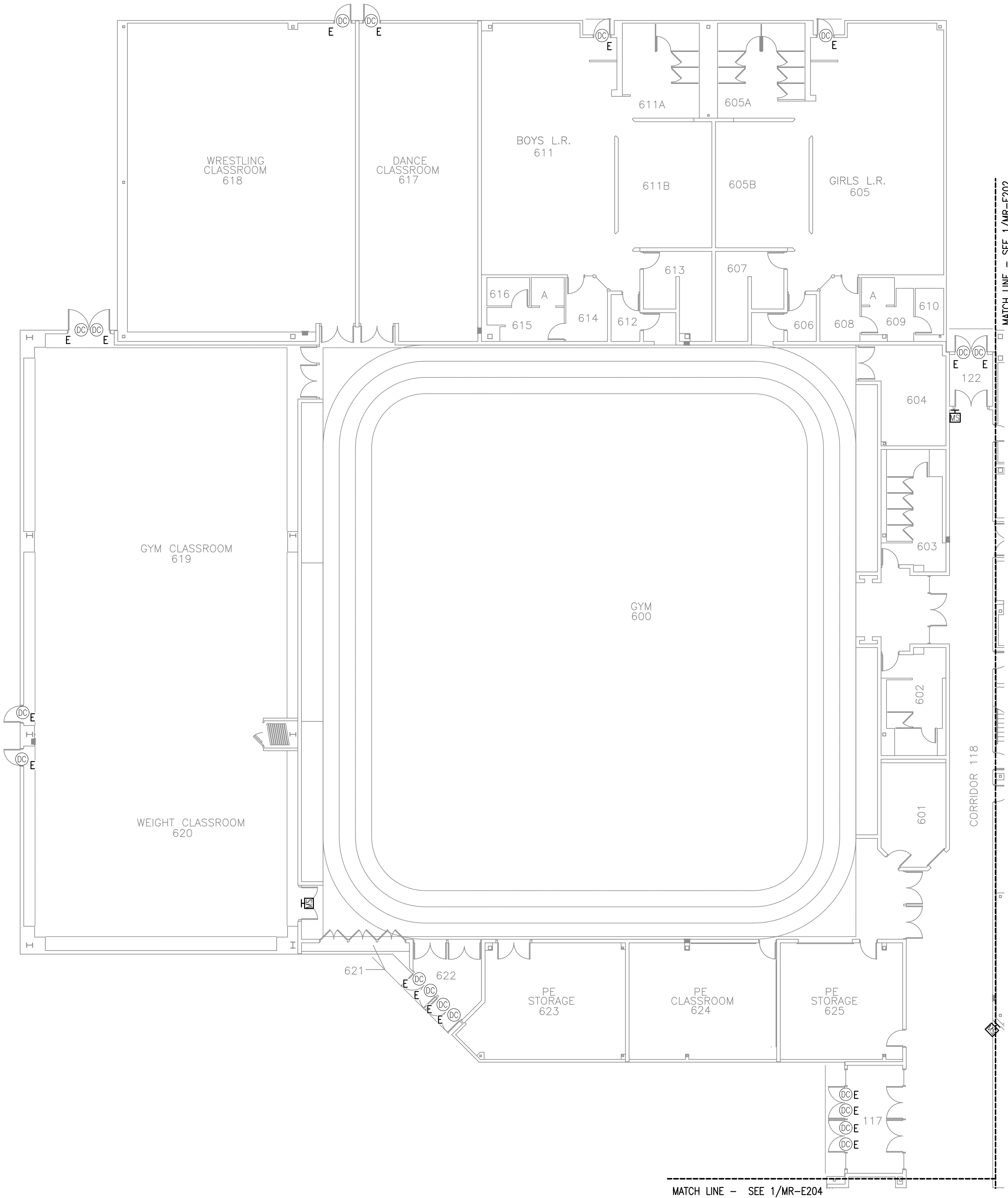
**NOTE TO CONTRACTOR**

NOTIFICATION OF POTENTIAL HAZARDS:

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

**1** MIRROR LAKE MIDDLE SCHOOL - INTRUSION DETECTION SYSTEM DEMOLITION FLOOR PLAN - LEVEL 2  
 3/32" = 1'-0"





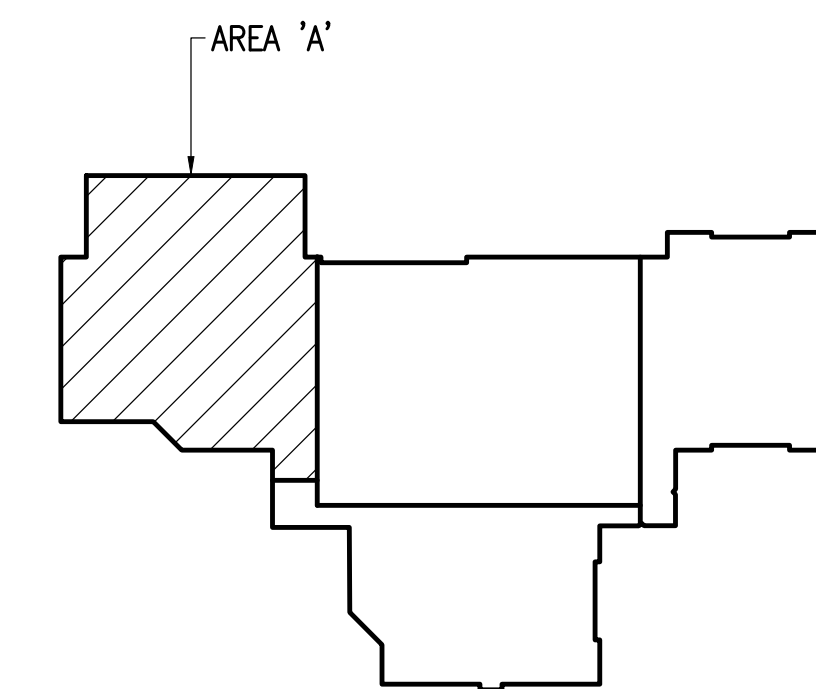
**GENERAL NOTES:**

- A. COORDINATE LOCATION OF DEVICES WITH ASD PRIOR TO ROUGH-IN.
- B. SEE SHEETS G001 AND G002 FOR GENERAL NOTES AND DETAILS.
- C. WALL MOUNTED MOTION SENSORS SHALL BE INSTALLED A MINIMUM OF 8'-0" AFG.
- D. UNLESS OTHERWISE NOTED, ALL MOTION SENSORS AND INTRUSION DETECTION KEYPADS ARE NEW AT OR NEAR EXISTING LOCATIONS. AT THE CONTRACTOR'S OPTION, EXISTING RACEWAYS MAY BE REUSED WHERE APPLICABLE.
- E. CONNECT SECURITY DEVICES TO NEW INTRUSION DETECTION SYSTEM IN ROOM 316, SEE MR-E204.
- F. CONNECT EXISTING BUILDING FREEZE RELAY TO NEW INTRUSION DETECTION SYSTEM.
- G. SEE SHEET MR-E401 FOR INTRUSION DETECTION SYSTEM ONE-LINE DIAGRAM.
- H. CEILING-MOUNTED MOTION SENSORS ARE CONVENTIONAL AND REQUIRE A SINGLE-POINT INPUT MODULE.
- I. CONNECT EXISTING DOOR CONTACTS TO NEW INTRUSION DETECTION SYSTEM PANEL.

**NOTE TO CONTRACTOR**

NOTIFICATION OF POTENTIAL HAZARDS:

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**KEY PLAN - MLMS**  
NO SCALE



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
1000 W. 11th Ave., Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No. AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #99228  
MIRROR LAKE MIDDLE SCHOOL  
22901 LAKE HILL DR  
CHUGIAK, ALASKA 99567-2069

REVISIONS:

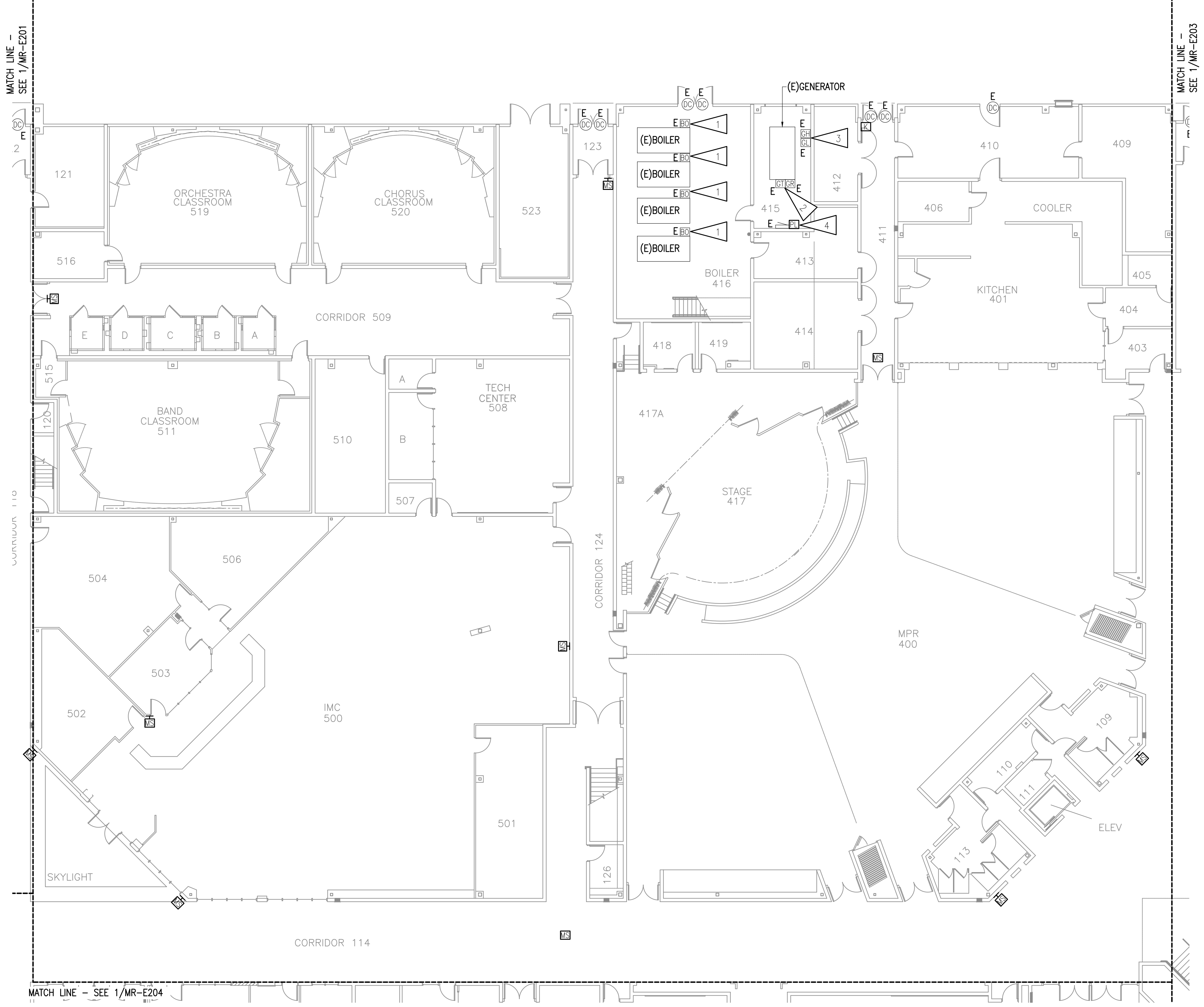
DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: MR SERIES

DRAWING TITLE:  
MIRROR LAKE MIDDLE SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - LEVEL 1 - AREA A

SHEET:  
**MR-E201**

100% BID DOCUMENTS

**1 MIRROR LAKE MIDDLE SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - LEVEL 1- AREA A**  
3/32" = 1'-0"



**GENERAL NOTES:**

A. SEE MR-E201 FOR GENERAL NOTES.

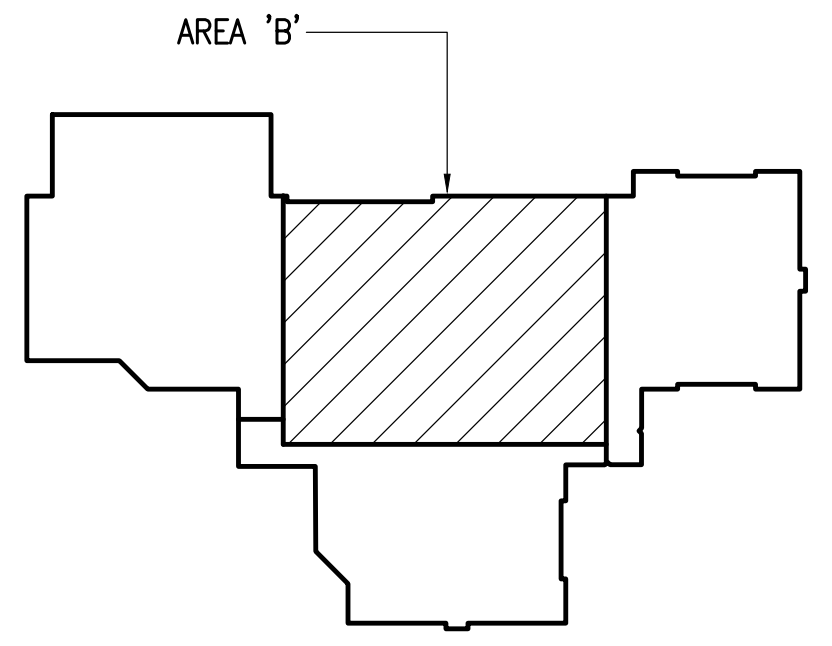
**SHEET NOTES:**

1. PROVIDE NEW CONNECTION FROM EXISTING BOILER FAIL OUTPUTS TO NEW INTRUSION DETECTION SYSTEM.
2. PROVIDE NEW CONNECTION FROM EXISTING GENERATOR TROUBLE AND GENERATOR RUN OUTPUTS TO NEW INTRUSION DETECTION SYSTEM.
3. PROVIDE NEW CONNECTION FROM EXISTING GENERATOR LOW AND HIGH FUEL ALARM OUTPUTS TO NEW INTRUSION DETECTION SYSTEM.
4. PROVIDE PROGRAMMING AND NEW INPUT MODULE FOR FUTURE PHASE LOSS RELAY FOR PANEL 'GDP' AND CONNECTION TO NEW INTRUSION DETECTION SYSTEM.

**NOTE TO CONTRACTOR**

NOTIFICATION OF POTENTIAL HAZARDS:

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**KEY PLAN - MLMS**

NO SCALE



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
1000 W. 11th Ave., Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No. AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #099228  
MIRROR LAKE MIDDLE SCHOOL  
22901 LAKE HILL DR  
CHUGIAK, ALASKA 99567-2069

REVISIONS:

DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: MR SERIES

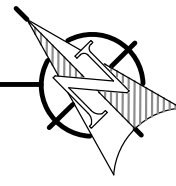
DRAWING TITLE:  
MIRROR LAKE MIDDLE  
SCHOOL - INTRUSION  
DETECTION SYSTEM  
REMODEL FLOOR PLAN -  
LEVEL 1 - AREA B

SHEET:  
**MR-E202**

100% BID DOCUMENTS

**1 MIRROR LAKE MIDDLE SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - LEVEL 1 - AREA B**

3/32" = 1'-0"





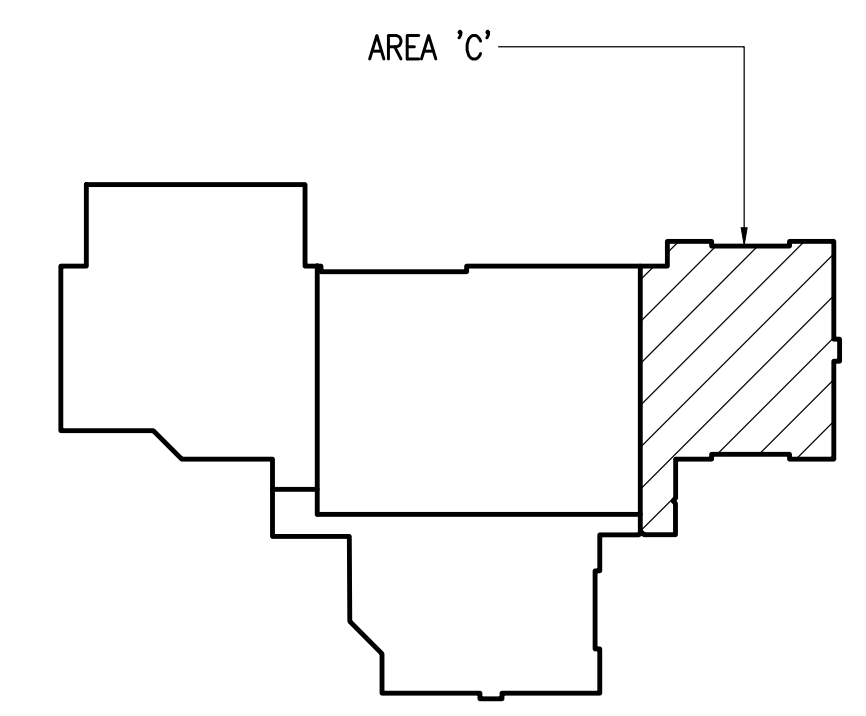
**GENERAL NOTES:**

A. SEE MR-E201 FOR GENERAL NOTES.

**NOTE TO CONTRACTOR**

NOTIFICATION OF POTENTIAL HAZARDS:

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**KEY PLAN - MLMS**  
NO SCALE



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
1000 W. 11th Ave., Suite 200  
Anchorage, AK 99503  
Phone (907) 276-0521  
Corporate No.: AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #099228  
MIRROR LAKE MIDDLE SCHOOL  
22901 LAKE HILL DR.  
CHUGIAK, ALASKA 99567-2069

REVISIONS:

DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: MR SERIES

DRAWING TITLE:  
MIRROR LAKE MIDDLE  
SCHOOL - INTRUSION  
DETECTION SYSTEM  
REMODEL FLOOR PLAN -  
LEVEL 1 - AREA C

SHEET:  
**MR-E203**

100% BID DOCUMENTS

**1 MIRROR LAKE MIDDLE SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - LEVEL 1 - AREA C**  
3/32" = 1'-0"

**GENERAL NOTES:**

A. SEE MR-E201 FOR GENERAL NOTES.

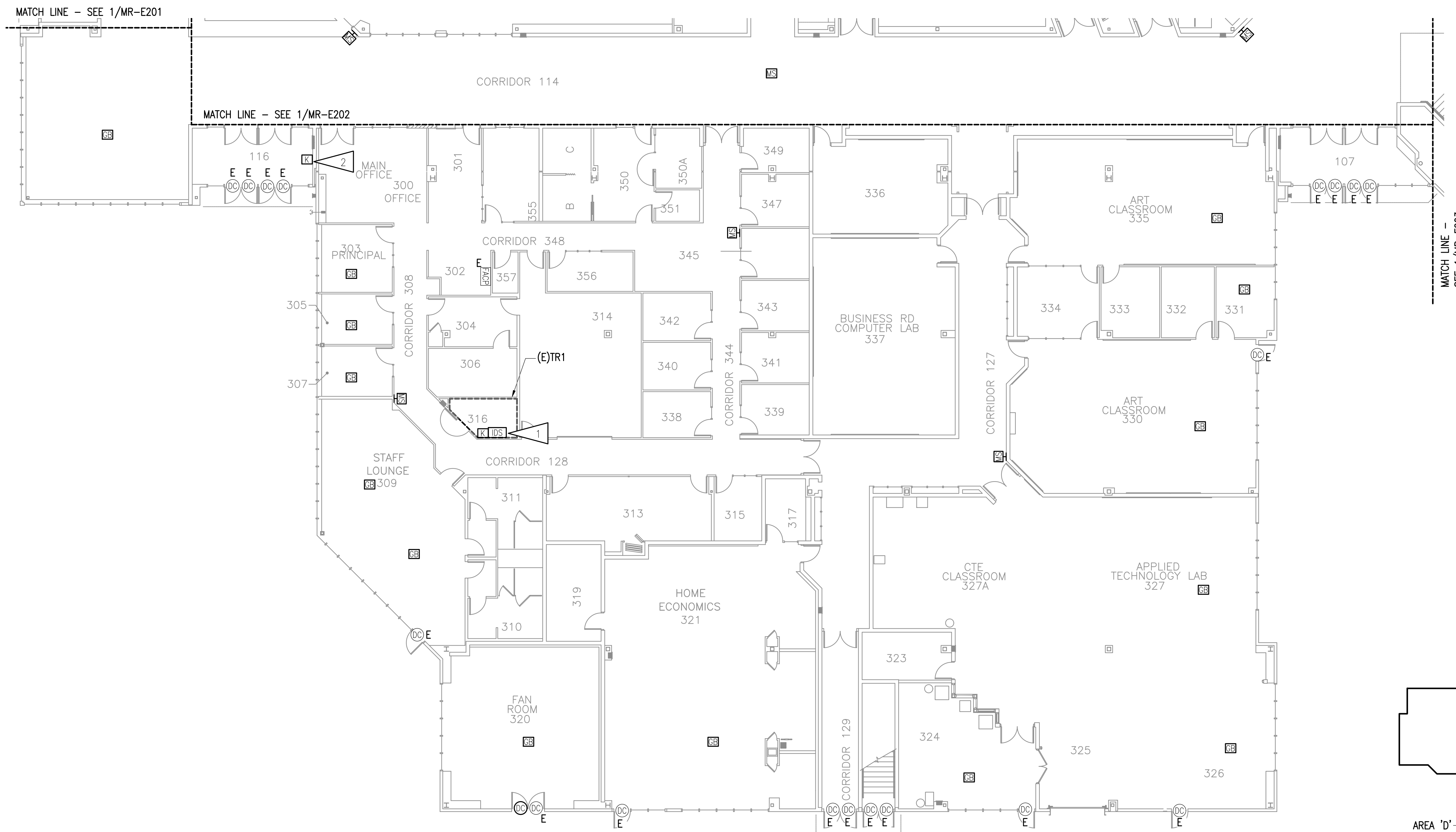
**SHEET NOTES:**

1. INSTALL NEW INTRUSION DETECTION SYSTEM PANEL IN EXISTING LOCATION. CONNECT TO EXISTING INTRUSION DETECTION CIRCUIT IN ROOM.
2. NEW INTRUSION DETECTION KEYPAD AT NEW LOCATION. CONFIRM FINAL LOCATION IN VESTIBULE WITH ASD PRIOR TO ROUGH-IN.

**NOTE TO CONTRACTOR**

**NOTIFICATION OF POTENTIAL HAZARDS:**

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



**1** MIRROR LAKE MIDDLE SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - LEVEL 1 - AREA D  
3/32" = 1'-0"

**KEY PLAN - MLMS**  
NO SCALE



**RISA Engineering, Inc.**  
MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
22901 LAKE HILL DR  
ANCHORAGE, AK 99503  
Phone (907) 276-0521  
Corporate No. AECC542



**ANCHORAGE SCHOOL DISTRICT**  
MULTI-SITE INTRUSION DETECTION SYSTEM  
UPGRADES, ASD PROJECT #099228  
MIRROR LAKE MIDDLE SCHOOL  
22901 LAKE HILL DR  
CHUGIAK, ALASKA 99567-2069

REVISIONS:

DRAWN BY: CSZ,NDZ  
CHECKED BY: JAM,SB  
DATE: 02/12/2024  
JOB NUMBER: M3167  
DWG FILE: MR SERIES

DRAWING TITLE:  
MIRROR LAKE MIDDLE  
SCHOOL - INTRUSION  
DETECTION SYSTEM  
REMODEL FLOOR PLAN -  
LEVEL 1 - AREA D

SHEET:  
**MR-E204**

100% BID DOCUMENTS



**RISA Engineering, Inc.**  
 MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
 800 West 10th Avenue, Suite 200  
 Anchorage, AK 99503  
 Phone (907) 276-0521  
 Corporate No. AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
 MULTI-SITE INTRUSION DETECTION SYSTEM  
 UPGRADES, ASD PROJECT #099228  
 MIRROR LAKE MIDDLE SCHOOL  
 22901 LAKE HILL DR  
 CHUGIAK, ALASKA 99567-2069

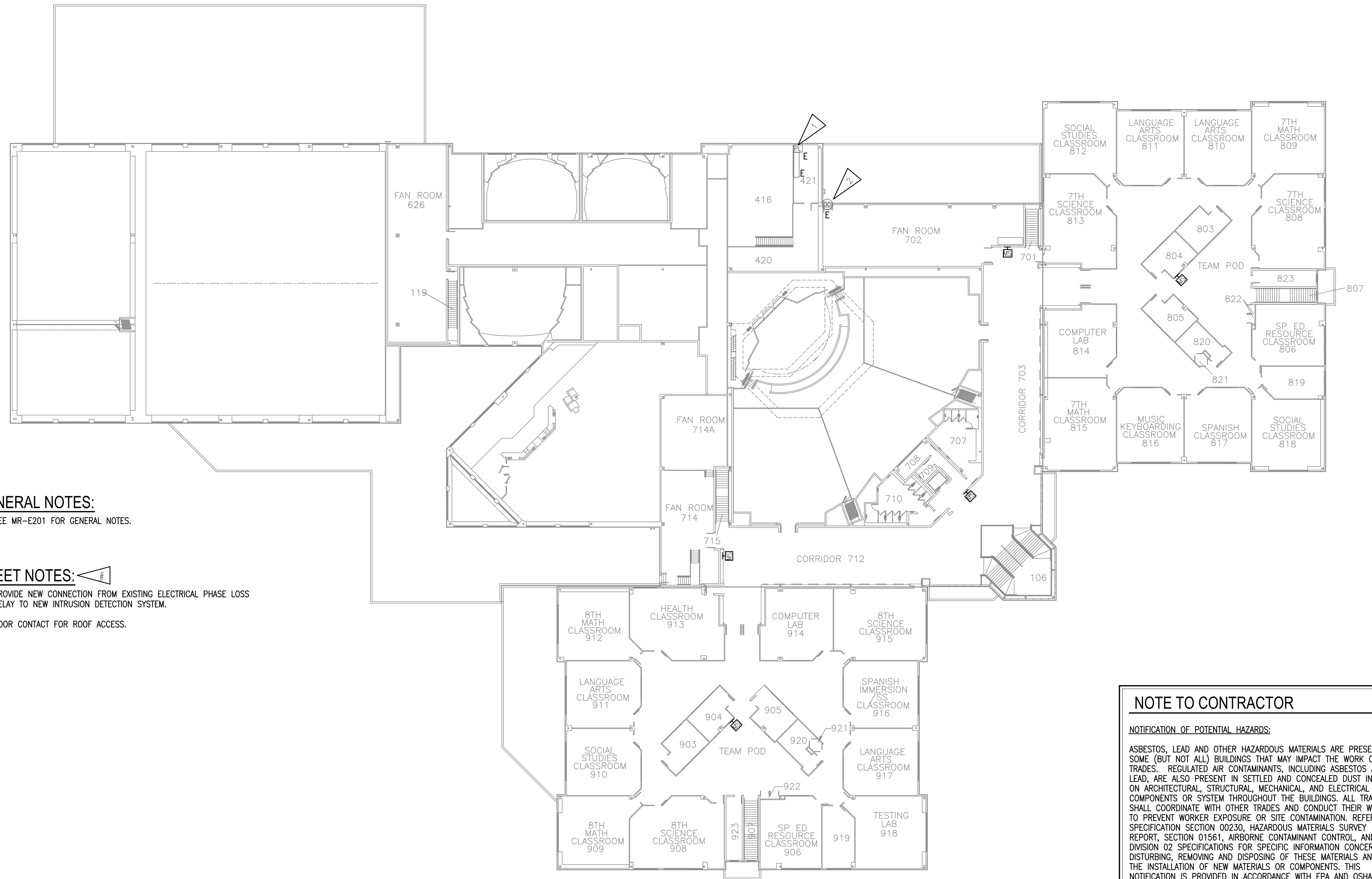
REVISIONS:

DRAWN BY: CSZ,NDZ  
 CHECKED BY: JAM,SB  
 DATE: 02/12/2024  
 JOB NUMBER: M3167  
 DWG FILE: MR SERIES

DRAWING TITLE:  
 MIRROR LAKE MIDDLE SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - LEVEL 2

SHEET:  
**MR-E205**

100% BID DOCUMENTS



**NOTE TO CONTRACTOR**

NOTIFICATION OF POTENTIAL HAZARDS:

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

**GENERAL NOTES:**  
 A. SEE MR-E201 FOR GENERAL NOTES.

- SHEET NOTES:**
1. PROVIDE NEW CONNECTION FROM EXISTING ELECTRICAL PHASE LOSS RELAY TO NEW INTRUSION DETECTION SYSTEM.
  2. DOOR CONTACT FOR ROOF ACCESS.

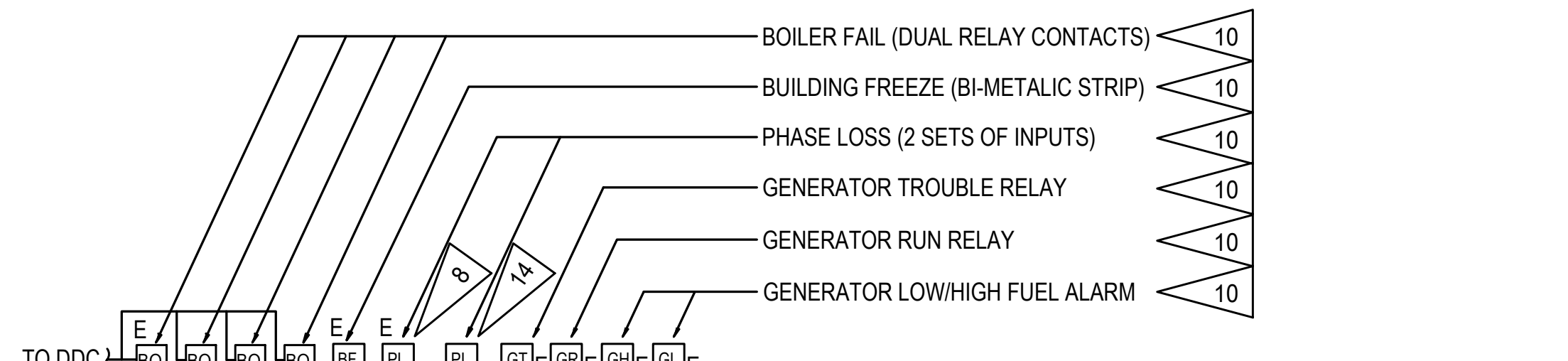
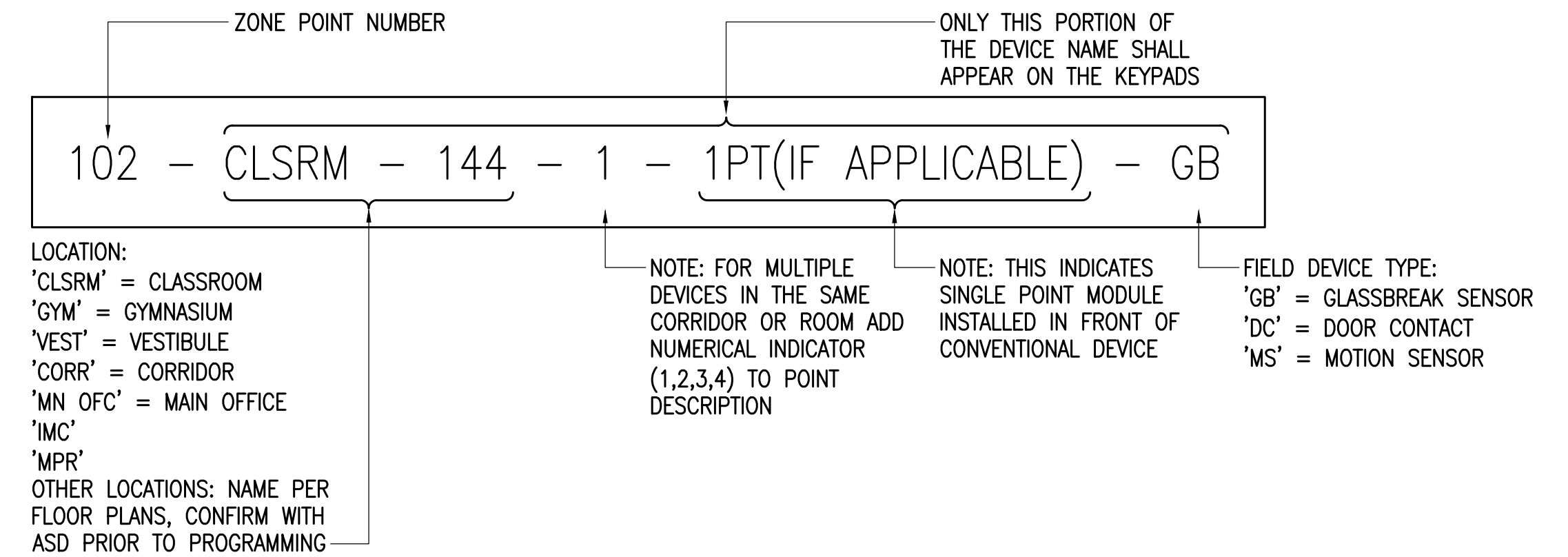
**1 MIRROR LAKE MIDDLE SCHOOL - INTRUSION DETECTION SYSTEM REMODEL FLOOR PLAN - LEVEL 2**  
 1" = 20'-0"



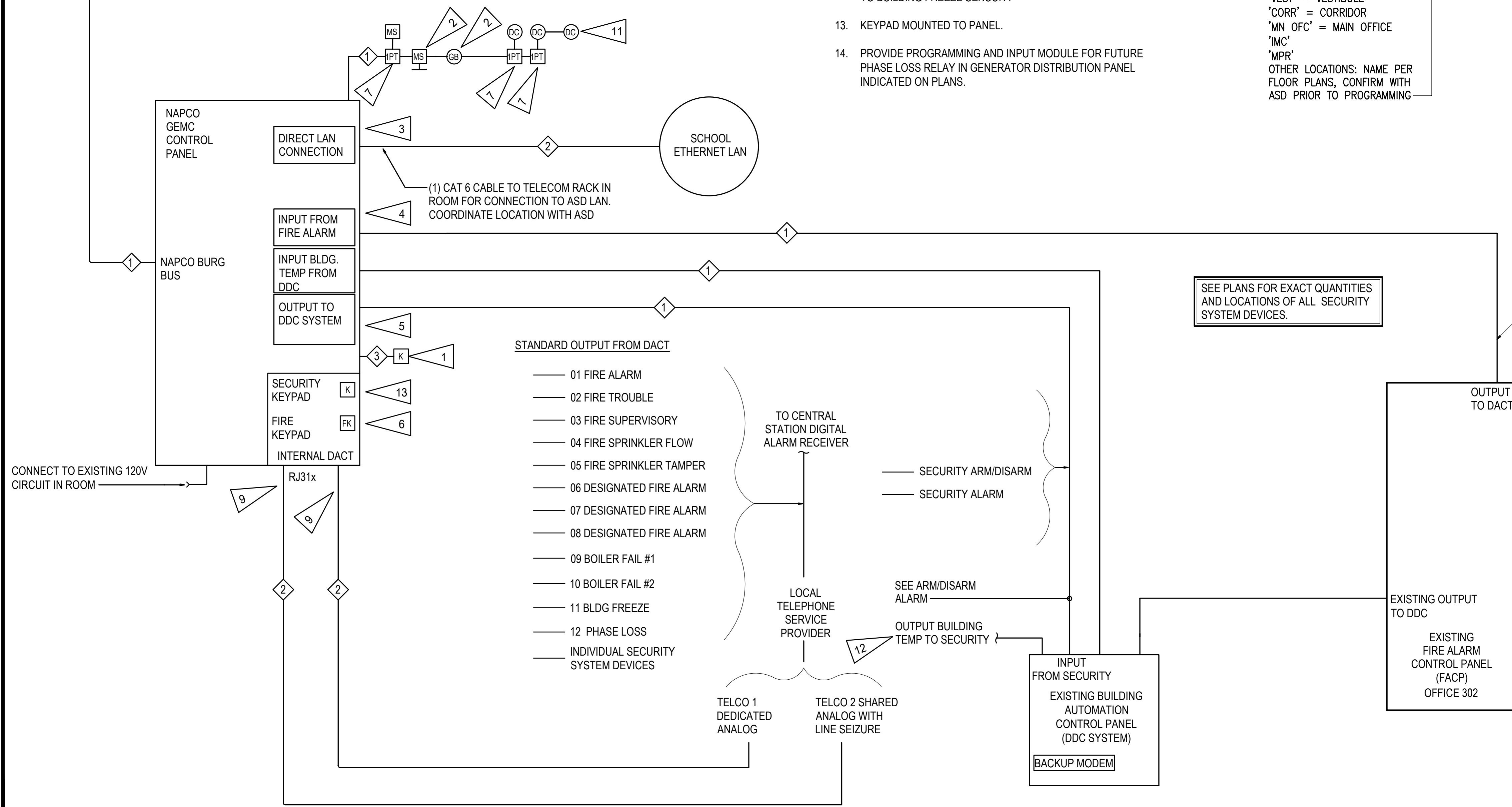
**DETAIL NOTES:**

- SEE PLANS FOR LOCATION OF REMOTE KEYPADS.
- CONNECT ADDRESSABLE DEVICES TO INTRUSION DETECTION SYSTEM SLC.
- PROVIDE NETWORK MODULE IN INTRUSION DETECTION SYSTEM PANEL.
- PROVIDE FIRE ALARM INPUT MODULE.
- PROVIDE RELAY MODULE FOR OUTPUT TO DDC SYSTEM.
- PROVIDE FIRE KEYPAD AT CONTROL PANEL FOR FIRE ALARM INTERFACE.
- PROVIDE SINGLE-POINT MODULE FOR DOOR CONTACTS CEILING-MOUNTED MOTION SENSORS, AND CONNECT TO SLC.
- PROVIDE CONNECTION TO PHASE LOSS RELAYS IN DISTRIBUTION PANELS INDICATED ON PLANS.
- PROVIDE CONNECTION TO TELEPHONE SYSTEM. EXISTING CONNECTION MAY BE RELOCATED/REUSED.
- EXISTING AND NEW BUILDING ALARMS SHALL BE CONNECTED TO NEW SYSTEM.
- MULTIPLE DOORS IN AN OPENING SHALL BE PROGRAMMED AS A SINGLE POINT.
- BUILDING TEMPERATURE INPUT FROM DDC IS IN ADDITION TO BUILDING FREEZE SENSOR.
- KEYPAD MOUNTED TO PANEL.
- PROVIDE PROGRAMMING AND INPUT MODULE FOR FUTURE PHASE LOSS RELAY IN GENERATOR DISTRIBUTION PANEL INDICATED ON PLANS.

**I/O POINT NAMING FORMAT**



CABLE NUMBER	DESCRIPTION	SPECIFICATION
1	MULTI-DROP COMMUNICATIONS/POWER CABLE	SECTION 28 31 00
2	TELECOMMUNICATIONS CABLE	SECTION 28 31 00
3	KEYPAD CABLE	SECTION 28 31 00



PROVIDE ALL RELAYS AND PROGRAMMING AS REQUIRED FOR INTERFACE WITH BUILDING SECURITY SYSTEM. PROVIDE RELAYS FOR THE FOLLOWING ALARM FUNCTIONS.

- FIRE ALARM
- FIRE TROUBLE
- FIRE SUPERVISORY
- FIRE SPRINKLER FLOW
- FIRE SPRINKLER TAMPER

**NOTE TO CONTRACTOR**

**NOTIFICATION OF POTENTIAL HAZARDS:**

ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN SOME (BUT NOT ALL) BUILDINGS THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS OR SYSTEM THROUGHOUT THE BUILDINGS. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORKS TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIALS SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL, AND DIVISION 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

**1 INTRUSION DETECTION SYSTEM ONE-LINE DIAGRAM**  
NO SCALE



**RISA Engineering, Inc.**  
 MECHANICAL AND ELECTRICAL CONSULTING ENGINEERS  
 22901 LAKE HILL DR.  
 ANCHORAGE, AK 99503  
 Phone (907) 276-0521  
 Corporate No. AECCS42



**ANCHORAGE SCHOOL DISTRICT**  
 MULTI-SITE INTRUSION DETECTION SYSTEM  
 UPGRADES, ASD PROJECT #99228  
 MIRROR LAKE MIDDLE SCHOOL  
 22901 LAKE HILL DR.  
 CHUGIAK, ALASKA 99567-2069

REVISIONS:

DRAWN BY: CSZ,NDZ  
 CHECKED BY: JAM,SB  
 DATE: 02/12/2024  
 JOB NUMBER: M3167  
 DWG FILE: MR SERIES

DRAWING TITLE:  
 MIRROR LAKE MIDDLE SCHOOL - INTRUSION DETECTION SYSTEM ONE-LINE DIAGRAM

SHEET:  
**MR-E301**