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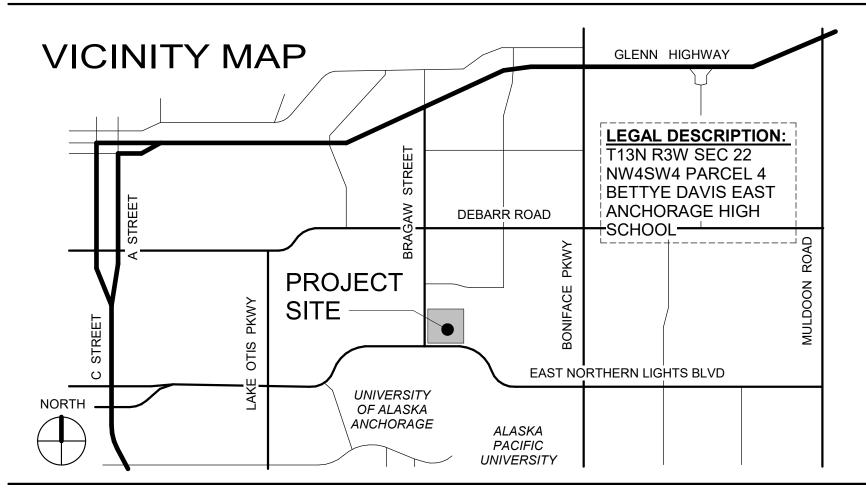
# BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA



**REVISIONS** No Description Date

4025 E Northern Lights Blvd, Anchorage, AK 99508

ASD Project Number: 830717



# 100% SUBMITTAL NOVEMBER 7, 2023

# **OWNER**

#### **Anchorage School District BDS Architects, Inc.** Yuki Janson, Project Manager Scott Worthington

1301 Labar Street Anchorage, AK 99515 (907) 348-5155 janson yuki@asdk12.org

#### **ARCHITECT HAZARDOUS MATERIALS**

EHS-Alaska, Inc. Robert French 3330 C Street, Suite 200 11901 Business Blvd., Suite 208 Eagle River, Alaska 99577 Anchorage, Alaska 99503 (907) 694-1383 rfrench@ehs-alaska.com

ADD ALT 4 - STOREFRONT REPLACEMENT

# STRUCTURAL **ENGINEER**

Reid Middleton, Inc. Ellen Hamel, PE, SE 4300 B St #302 Anchorage, AK 99503 (907) 562-3439 ehamel@reidmiddleton.com

# MECHANICAL **ENGINEER**

**AMC Engineers** Mark Langberg, PE 701 E Tudor Rd Anchorage, AK 99503 (907) 257-9100 mlangberg@amc-engineers.com

# **ELECTRICAL ENGINEER**

**AMC Engineers** Aaron Jordan, PE 701 E Tudor Rd Anchorage, AK 99503 (907) 257-9100 ajordan@amc-engineers.com

# SCOPE OF WORK

#### WITHIN ACADEMIC AREAS IDENTIFIED AS AREAS E AND F INSTALL NEW FIRE SPRINKLER SYSTEM.

- ADD STRUCTURAL REINFORCEMENT TO CERTAIN WALLS TO
- REMOVE EXISTING SUSPENDED CEILINGS AND LIGHT FIXTURES FOR
- INSTALLATION OF SPRINKLERS AND FOR STRUCTURAL REINFORCEMENTS.
- INSTALL NEW SUSPENDED CEILINGS AND LIGHT FIXTURES. NEW SUSPENDED CEILINGS WILL REQUIRE A THRID PARTY SPECIAL
- INSPECTION PER MOA HANDOUT A.04.
- REMOVE AND REPLACE EXISTING EXTERIOR CANOPY AT AREA F. WEST ENTRANCE.

ADDITIVE ALTERNATE NO. 2 - RENOVATE EXISTING TOILET ROOMS INCLUDING REPLACEMENT OF ALL PLUMBING FIXTURES, TOILET PARTITIONS, FLOOR AND WALL FINISHES AND TOILET ROOM ACCESSORIES, DEMOLISH HEATING CONVECTORS AND REPLACE WITH NEW MECHANICAL. TOILET RENOVATIONS SHALL BE ADA

<u>ADDITIVE ALTERNATE NO. 4</u> – REPLACE EXISTING STOREFRONT SYSTEM AND ASSOCIATED FIN TUBE AT ONE LOCATION.

#### AT AREA B, SOUTH OF GYM

COMPLIANT.

• ADDITIVE ALTERNATE NO. 1 - REPAIR EXTERIOR PLAZA DECK

#### THROUGHOUT SCHOOL BUILDING

• ADDITIVE ALTERNATE NO. 3 - REPAIR/REPLACE EXISTING FIRE

# **DRAWING INDEX**

(907) 562-6076

scottw@bdsak.com

G0.01	COVER SHEET	AA4.01	ADD ALT 4 - STOREFRONT REPLACEMENT
G0.02	CODE PLAN	AA4.02	ADD ALT 4 - STOREFRONT REPLACEMENT SECTIONS
G0.03	CONSTRUCTION SITE PLAN - STAGING PLAN	AA4.03	ADD ALT 4 STOREFRONT DETAILS
H0.01	HAZARDS ABATEMENT GENERAL & SHEET NOTES	S0.01	STUCTURAL GENERAL NOTES & ABBREVIAITONS
			STRUCTURAL DETAILS
H1.01	HAZARDS ABATEMENT ACADEMIC AREA PLAN	S1.01	
H1.02	HAZARDS ABATEMENT AREA E	S2.01	EXTERIOR CANODY PETALLS
H1.03	HAARDS ABATEMENT AREA F	S2.02	EXTERIOR CANOPY DETAILS
HA1.01	PLAZA HAZARDS ABATEMENT	MO 04	LECEND & ADDDEVIATIONS
HA2.01	ADD ALT 2 RESTROOMS HAZARDS ABATEMENT	M0.01	LEGEND & ABBREVIATIONS
HA3.01	ADD ALT 3 HAZARDS ABATEMENT LOWER LEVEL	M0.02	SCHEDULES
HA3.02	ADD ALT 3 HAZARDS ABATEMENT MAIN LEVEL	M0.10	OVERALL PLAN - MECHANICAL - MAIN LEVEL
HA3.03	ADD ALT 3 HAZARDS ABATEMENT UPPER LEVEL	M0.11	OVERALL PLAN - MECHANICAL - UPPER & LOWER LEVEL
HA4.01	ADD ALT 4 STOREFRONT HAZARDS ABATEMENT		LEVEL
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A0.02	SCHEDULES AND ASSEMBLIES	MD1.02	DEMOLITION MAIN LEVEL - MECHANICAL - AREA F
10101	OVERALL ELOOP PLAN, PEMO	M1.01	MAIN LEVEL - MECHANICAL - AREA E
AD1.01	OVERALL FLOOR PLAN - DEMO	M1.02	MAIN LEVEL - MECHANICAL - AREA E  MAIN LEVEL - MECHANICAL - AREA F
AD1.02	FLOOR PLAN - DEMO - AREA E		
AD1.03	FLOOR PLAN - DEMO - AREA F	M2.01	ADD ALT 2 MAIN LEVEL - PLUMBING - ENLARGED
AD2.01	OVERALL REFLECTED CEILING - DEMO	M2.02	ADD ALT 2 - MAIN LEVEL - PLUMBING - ENLARGED
AD2.02	REFLECTED CEILING - DEMO - AREA E	M2.03	ADD ALT 1 - MAIN LEVEL - PLUMBING - ENLARGED
AD2.03	REFLECTED CEILING - DEMO - AREA E	M2.04	ADD ALT 1 - ENLARGED PLAN PLAZA
AD2.04	REFLECTED CEILING PLAN AREA F	M2.05	FAN ROOM DUCT REPAIR
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		M3.02	REFERENCE PHOTOS
A1.01	OVERALL FLOOR PLAN - NEW		. =====
A1.02	FLOOR PLAN - NEW - AREA E	E0.01	LEGEND
A1.03	FLOOR PLAN - NEW - AREA F	E0.02	LIGHTING FIXTURE & CONTROL SCHEDULES
A2.01	OVERALL REFLECTED CEILING PLAN - NEW	E0.03	PANEL SCHEDULES
A2.02	REFLECTED CEILING PLAN - NEW - AREA E	E0.10	OVERALL PLANS - MAIN LEVEL
A2.03	REFLECTED CEILING PLAN - NEW - AREA F	E0.11	OVERALL PLANS - LOWER, UPPER & PENTHOUSE
A5.01	ENLARGED DRAWINGS	<b>5</b> 0.40	LEVELS
A7.01	DETAILS	E0.12	MAIN LEVEL - RCP
		E0.13	LOWER, UPPER AND PENTHOUSE LEVEL - RCP
AA1.01	ADD ALT 1 - PLAZA REPAIR	ED1.01	FLOOR PLAN MAIN LEVEL - AREA E - LIGHTING - DEMO
AA1.02	ADD ALT 1 - PLAZA REPAIR DETAILS	ED1.01 ED1.02	FLOOR PLAN MAIN LEVEL - AREA F - LIGHTING - DEMO
AA2.01	ADD ALT 2 - ENLARGED PLANS - DEMO	ED1.02 ED1.03	FLOOR PLAN MAIN LEVEL - AREA F - LIGHTING - DEMO
AA2.02	ADD ALT 2 - ENLARGED PLANS	ED 1.03	SYSTEMS - DEMO
AA2.03	ADD ALT 2 - INTERIOR ELEVATIONS		5.5.Line Beine
AA2.04	ADD ALT 2 - INTERIOR ELEVATIONS		

	SYSTEMS - DEMO	
		E2.0
E1.01	FLOOR PLAN MAIN LEVEL - AREA E - LIGHTING	
E1.02	FLOOR PLAN MAIN LEVEL - AREA F - LIGHTING	E2.0
E1.03	FLOOR PLAN MAIN LEVEL - AREA E - POWER & SPECIAL SYSTEMS	E2.0
E1.04	FLOOR PLAN MAIN LEVEL - AREA F - POWER & SPECIAL SYSTEMS	E2.0
E2.00	ADD ALT 1 - ENLARGED PLAN PLAZA	E2.0
ELECTRICAL	ADDITIVE ALTERNATE 3 DRAWINGS	E2.0
ED2.01	FLOOR PLAN MAIN LEVEL - AREA A - SPECIAL SYSTEMS - DEMO	E2.0
ED2.02	FLOOR PLAN MAIN LEVEL - AREA B - SPECIAL SYSTEMS - DEMO	E2.0
ED2.03	FLOOR PLAN MAIN LEVEL - AREA C - SPECIAL SYSTEMS - DEMO	E2.1
ED2.04	FLOOR PLAN MAIN LEVEL - AREA D - SPECIAL SYSTEMS - DEMO	EDG
ED2.05	FLOOR PLAN MAIN LEVEL - AREA E - SPECIAL	ED3
ED2.06	FLOOR PLAN MAIN LEVEL - AREA F - SPECIAL SYSTEMS - DEMO	ED3
ED2.07	FLOOR PLAN LOWER LEVEL - AREA A - SPECIAL SYSTEMS - DEMO	
ED2.08	FLOOR FLAN LOWER LEVEL - AREA B & F - SPECIAL	E3.0
ED2.09	TEGORITE TREETED TREETED OF EGINE	E3.0
ED2.10	FLOOR PLAN UPPER LEVEL - AREA D - SPECIAL SYSTEMS - DEMO	

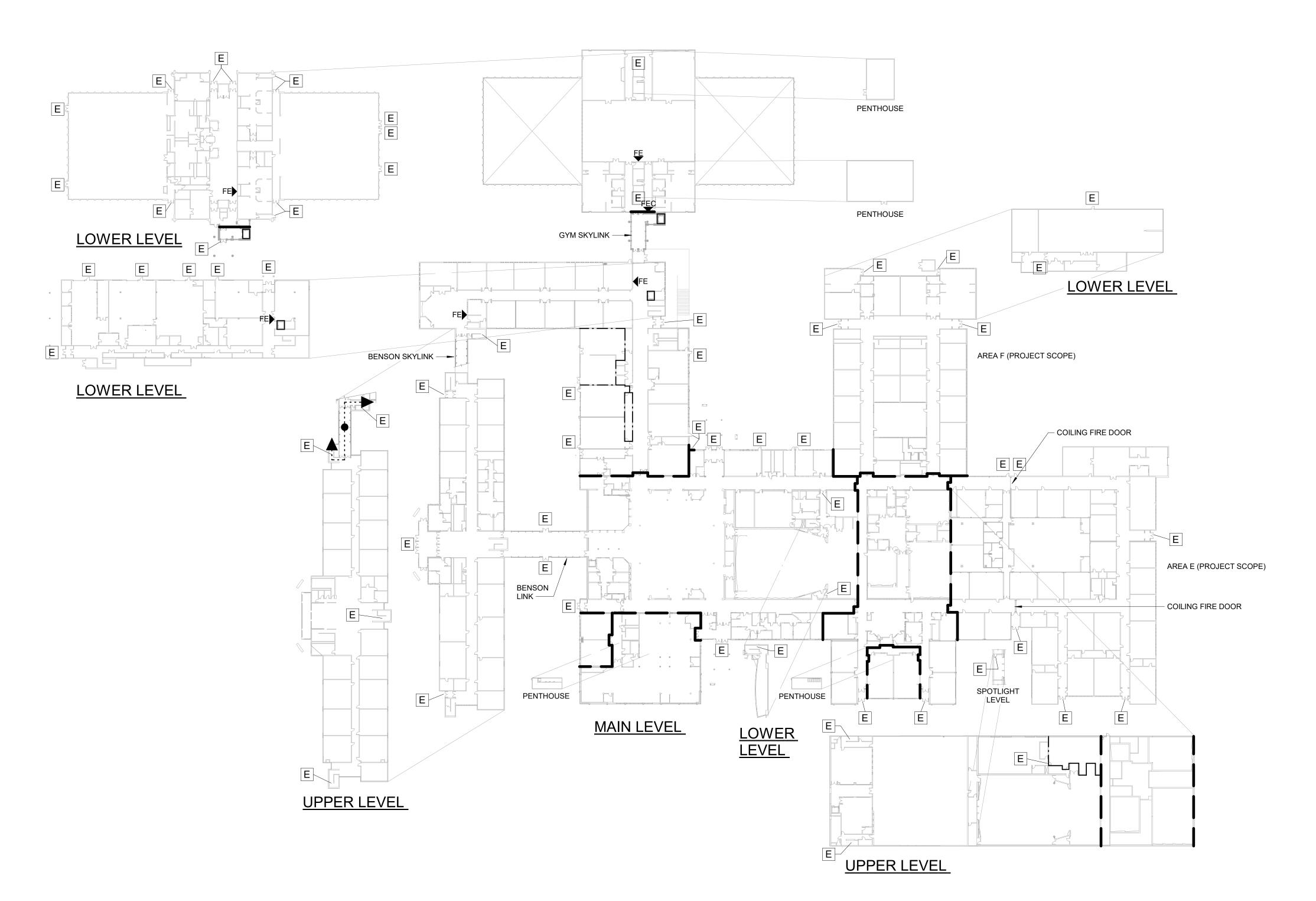
FLOOR PLAN MAIN LEVEL - AREA F - SPECIAL SYSTEMS - DEMO	E2.01	FLOOR PLAN MAIN LEVEL - AREA A - SPECIAL SYSTEMS
FLOOR PLAN MAIN LEVEL - AREA E - LIGHTING	E2.02	FLOOR PLAN MAIN LEVEL - AREA B - SPECIAL SYSTEMS
FLOOR PLAN MAIN LEVEL - AREA F - LIGHTING FLOOR PLAN MAIN LEVEL - AREA E - POWER &	E2.03	FLOOR PLAN MAIN LEVEL - AREA C - SPECIAL SYSTEMS
SPECIAL SYSTEMS	E2.04	FLOOR PLAN MAIN LEVEL - AREA D - SPECIAL SYSTEMS
FLOOR PLAN MAIN LEVEL - AREA F - POWER & SPECIAL SYSTEMS	E2.05	FLOOR PLAN MAIN LEVEL - AREA E - POWER & SPECIAL SYSTEMS
ADD ALT 1 - ENLARGED PLAN PLAZA	E2.06	FLOOR PLAN MAIN LEVEL - AREA F - POWER & SPECIAL SYSTEMS
ADDITIVE ALTERNATE 3 DRAWINGS	E2.07	FLOOR PLAN LOWER LEVEL - AREA A - SPECIAL SYSTEMS
FLOOR PLAN MAIN LEVEL - AREA A - SPECIAL SYSTEMS - DEMO	E2.08	FLOOR PLAN LOWER LEVEL - AREA B & F - SPE SYSTEMS
FLOOR PLAN MAIN LEVEL - AREA B - SPECIAL SYSTEMS - DEMO	E2.09	FLOOR PLAN UPPER LEVEL - AREA C - SPECIAL SYSTEMS
FLOOR PLAN MAIN LEVEL - AREA C - SPECIAL SYSTEMS - DEMO	E2.10	FLOOR PLAN UPPER LEVEL - AREA D - SPECIAL SYSTEMS
FLOOR PLAN MAIN LEVEL - AREA D - SPECIAL SYSTEMS - DEMO		
FLOOR PLAN MAIN LEVEL - AREA E - SPECIAL SYSTEMS - DEMO	ED3.01 ED3.02	ENLARGED PLAN MAIN LEVEL - FAN ROOMS - DENLARGED PLANS - UPPER LEVEL - FAN ROOM DEMO
FLOOR PLAN MAIN LEVEL - AREA F - SPECIAL SYSTEMS - DEMO	ED3.03	ENLARGED PLAN PENTHOUSE LEVEL - FAN RO DEMO
FLOOR PLAN LOWER LEVEL - AREA A - SPECIAL SYSTEMS - DEMO		
FLOOR PLAN LOWER LEVEL - AREA B & F - SPECIAL SYSTEMS - DEMO	E3.01 E3.02	ENLARGED PLAN MAIN LEVEL - FAN ROOMS ENLARGED PLANS UPPER LEVEL - FAN ROOMS
FLOOR PLAN UPPER LEVEL - AREA C - SPECIAL SYSTEMS - DEMO	E3.03 E4.01	ENLARGED PLAN PENTHOUSE LEVEL - FAN RO DIAGRAM - FIRE ALARM ONE-LINE
FLOOR PLAN LIPPER LEVEL - AREA D - SPECIAL		2



Architecture | Planning | Roof Techno 3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635 BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES **ACADEMIC AREA** 4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.:

> 100% SUBMITTAL NOVEMBER 7, 2023

**COVER SHEET** 



## **CODE INFORMATION**

THE BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL (BDEAHS) CAMPUS WAS ORIGINALLY CONSTRUCTED IN 1960 UNDER THE 1958 UNIFORM BUILDING CODE. IT HAD SUBSEQUENT ADDITIONS IN 1962 (UNDER THE SAME CODE), IN 1972-75 (UNDER THE 1967 UNIFORM BUILDING CODE (UBC)), AND IN 2002 (UNDER THE 1997 UBC). THE BUILDING IS CLASSIFIED AS A TWO-STORY MIXED OCCUPANCY BUILDING WITH E-1, A-2.1 AND A-3 OCCUPANCIES. THE CONSTRUCTION TYPE IS CURRENTLY CLASSIFIED UNDER THE 2018 INTERNATIONAL BUILDING CODE (IBC) AS TYPE II-N CONSTRUCTION. AN AUTOMATIC SPRINKLER SYSTEM WAS INSTALLED IN RENOVATED AND NEW AREAS OF THE SCHOOL IN 2002 AND IN THE SPORTS COMPLEX (EXCEPT THE POOL) IN 2020 AND UNDER THE 2018 IBC THE CONSTRUCTION TYPE OF THE SCHOOL IS TYPE II-B.

• CURRENT CODE ANALYSIS: GOVERNING CODES ARE THE 2018 INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL EXISTING BUILDING CODE (IEBC), INTERNATIONAL FIRE CODE (IFC), INTERNATIONAL MECHANICAL CODE (IMC), FUEL GAS CODE (IFGC), UNIFORM PLUMBING CODE (UPC) 2018, AND NATIONAL ELECTRICAL CODE (NEC) 2020, NATIONAL FIRE PROTECTION ASSOCIATION NFPA 13, AND THE AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS (ASHRAE) 90.1-2016 AS ADOPTED BY THE STATE OF ALASKA AND AMENDED BY THE MUNICIPALITY OF ANCHORAGE (MOA) AND ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES CODE (ICC/ANSI A117.1)

MAIN SCHOOL BUILDING OCCUPANCY (IBC SECTION 305) - E. (A OCCUPANCIES ASSOCIATED WITH GROUP E OCCUPANCIES ARE NOT CONSIDERED SEPARATE OCCUPANCY PER IBC SECTION 303.1.3.)

FIRE PROTECTION: AUTOMATIC SPRINKLERS PER 13 AAC 50.020 (37). TO BE INSTALLED IN THIS PROJECT IN AREAS E AND F

OCCUPANCY CLASSIFICATION AND USE - E EDUCATIONAL

GENERAL BUILDING HEIGHTS AND AREA – PER TABLE 506.2, E OCCUPANCY, SINGLE STORY SPRINKLERED (S1), CONSTRUCTION TYPE IIB IS ALLOWED 58,000 SQUARE FEET. THE COMBINED AREA OF AREAS E AND F IS APPROXIMATELY 81,000 SQUARE FEET, THEREFORE EVEN WITH THE ADDITION OF SPRINKLERS, THE AREA SEPARATION BETWEEN AREAS E AND F NEEDS TO BE MAINTAINED. THERE ARE TWO COILING FIRE DOORS WITHIN THE CORRIDORS IN AREA E. THESE DOORS ARE NOT PART OF A CURRENT REQUIRED FIRE SEPARATION.

CONSTRUCTION TYPE – TYPE IIB

**MEANS OF EGRESS –** NO EGRESS PATHS OR EXIT DOORS WILL BE CHANGED IN THIS PROJECT.

RECENT CANOPY ADDITION AT AREA F, WEST ENTRY - PER IBC 602.2, TABLE 601 AND 603.1 COMBUSTIBLE MATERIALS ARE NOT ALLOWED IN THIS CONSTRUCTION TYPE. THE CANOPY WILL BE REPLACED USING NON-COMBUSTIBLE MATERIALS. THE NEW CANOPY WILL BE ATTACHED TO THE EXISTING BUILDING AND WILL THEREFORE BE SPRINKLERED.

ANCHORAGE MUNICIPAL CODE TITLE 21.13.060

IF THE PROJECT COST EXCEEDS 10% OF THE STRUCTURE VALUE, THE CHARACTERISTICS OF THE PROPERTY MUST BE EVALUATED AS TO COMPLIANCE WITH TITLE 21. THIS EVALUATION AND CHARACTERISTICS UPGRADES MAY HAVE BEEN ACCOMPLISHED UNDER OTHER PROJECTS AT THE SCHOOL. A FULL ASSESSMENT OF TITLE 21 COMPLIANCE WILL BE COMPLETED

INTERIOR FINISHES: CLASS C

AS DESIGN PROGRESSES.

# CODE LEGEND

THOUR RATED CONSTRUCTION

2 HOUR RATED CONSTRUCTION

EXIT

EXIT

EXISTING FIRE EXSTINGUISHER ADJACENT TO NEW WORK

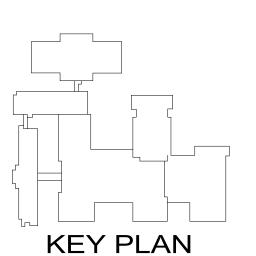
NEW FIRE EXTINGUISHER CABINET



Anchorage School District

REVISIONS

No Description Date





BDS, Inc. Entity #25796D

BDS

ARCHITECTS

Architecture | Planning | Roof Technology

3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635

BETTYE DAVIS EAST
ANCHORAGE HIGH SCHOOL

SAFETY UPGRADES
ACADEMIC AREA
4025 E Northern Lights

BDS Project No.: 418001.002
ASD Project No.: 830717

100% SUBMITTAL
NOVEMBER 7, 2023

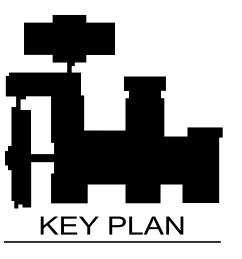
GODE PLAN

SCALE: 1" = 100'-0"

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**REVISIONS** No Description Date





• • ARCHITECTS Architecture | Planning | Roof Technology

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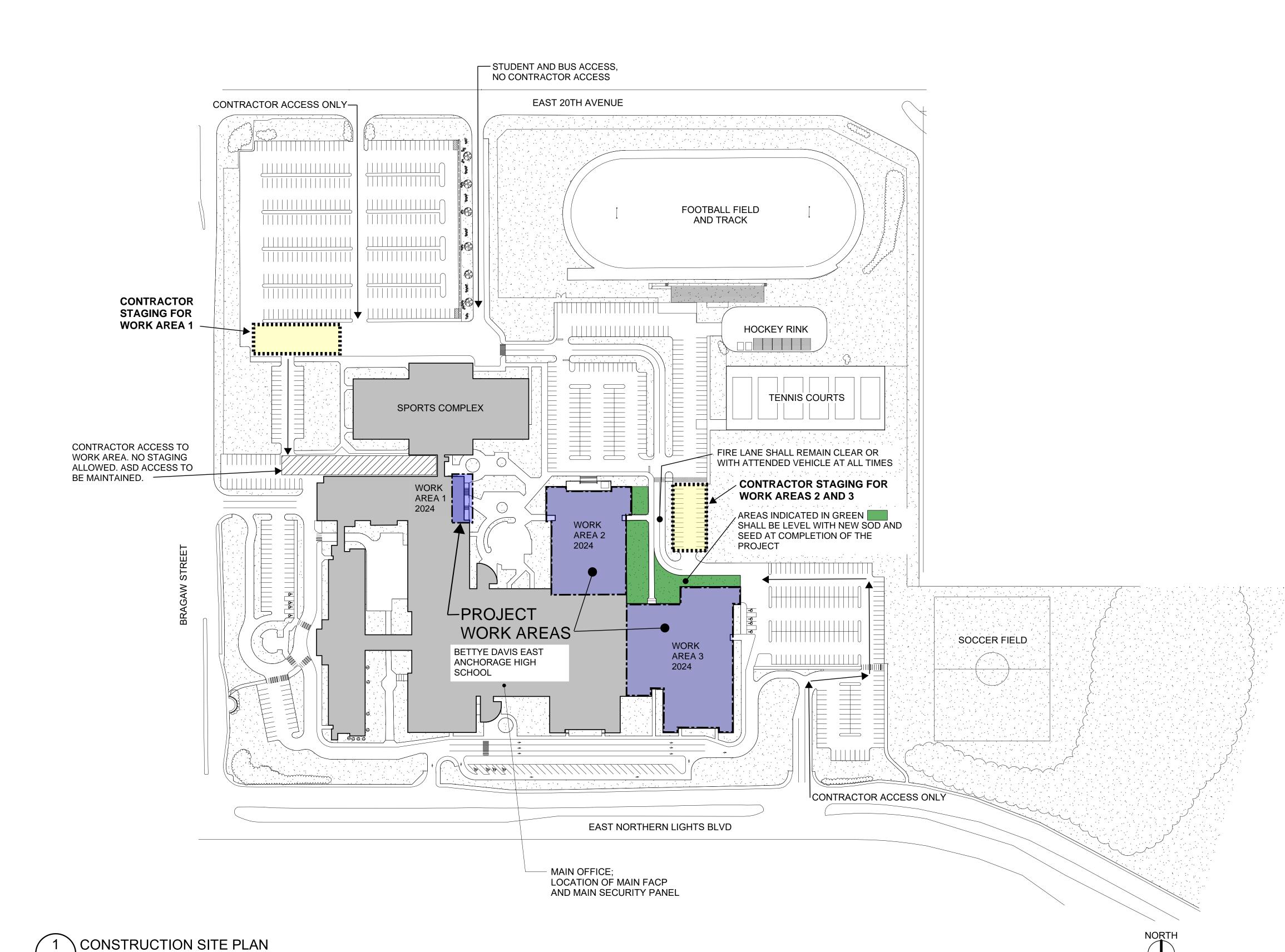
BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: ASD Project No.: 418001.002

BID DOCUMENTS NOVEMBER 7, 2023

CONSTRUCTION SITE PLAN -STAGING PLAN

G0.03



#### NOTIFICATION OF CHILD OCCUPIED FACILITY:

Portions of this building are classified as a Child Occupied Facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1 and 2 for specific information concerning disturbing, removing and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

#### **GENERAL NOTES**

- 1. THE HAZARDS ABATEMENT PORTION OF THIS PROJECT INCLUDES THE DISTURBANCE AND/OR REMOVAL AND DISPOSAL OF SELECTED ASBESTOS-CONTAINING MATERIALS, POLYCHLORINATED BIPHENYL (PCB) CONTAINING LIGHT BALLASTS, MERCURY-CONTAINING MATERIALS, LEAD-CONTAINING MATERIALS AND ITEMS CONTAINING RADIOACTIVE COMPOUNDS. THE PURPOSE OF THE HAZARDS ABATEMENT PORTION OF THE WORK IS TO REMOVE THESE MATERIALS FROM BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL PRIOR TO RENOVATION SO THAT PERSONNEL CAN SAFELY PERFORM THEIR WORK WITHOUT CREATING HAZARDS TO HEALTH OR THE ENVIRONMENT.
- 2. THE WORK DOES NOT INCLUDE REMOVAL OF ALL HAZARDOUS MATERIALS IN THE BUILDING. REMOVE HAZARDOUS MATERIALS COORDINATING WITH OTHER TRADES, AS SPECIFIED AND/OR INDICATED ON THE DRAWINGS, OUTLINED IN THE SPECIFICATIONS, AND AS REQUIRED TO COMPLETE THE WORK. "REMOVAL" INCLUDES PROPER HANDLING, PACKAGING AND DISPOSAL OF MATERIALS REMOVED.
- POTENTIALLY HAZARDOUS MATERIALS SUCH AS MERCURY-CONTAINING LAMPS, SELF ILLUMINATING EXIT SIGNS CONTAINING RADIOACTIVE COMPONENTS, METALLIC LEAD ITEMS, AND PCB CONTAINING BALLASTS AFFECTED BY THE PROJECT ARE TO BE REMOVED AND DISPOSED OF PROPERLY. REFER TO SPECIFICATIONS AND THE CONTRACTOR'S APPROVED WORK PLAN FOR HAZARDOUS MATERIALS REMOVAL, DISTURBANCE, CLEARANCE, AND DISPOSAL PROCEDURES.
- 4. LEAD-BASED PAINTS (PAINT CONTAINING EQUAL TO OR GREATER THAN 1.0 mg/cm²) WERE IDENTIFIED DURING THE LIMITED LEAD TESTING SHOWN IN THE HAZMAT SURVEY, AND LEAD-BASED PAINTS MAY BE PRESENT AT OTHER LOCATIONS. LOW LEVELS OF LEAD FOUND BY XRF TESTING DOES NOT MEAN THE PAINTS ARE FREE OF LEAD, THE PAINTS MAY CONTAIN MEASURABLE AMOUNTS OF LEAD.

  LEAD-CONTAINING MATERIALS INCLUDE ALL PAINTED SURFACES, CERAMIC TILES, AND METALLIC LEAD, AS WELL AS LEAD-CONTAINING DUSTS. THIS IS NOT A LEAD ABATEMENT PROJECT, AND ALL TRADES WILL LIKELY DISTURB SOME LEAD-CONTAINING MATERIALS. CONTROL WORKER EXPOSURES USING LEAD-SAFE WORK PRACTICES AND CHOICE OF MEANS AND METHODS OF CONDUCTING THE WORK TO COMPLY WITH 29 CFR 1926.62 AND TO AVOID CONTAMINATION OF THE WORK AREA AND SITE.
- 5. PERFORM INITIAL AIR MONITORING TESTS ON ALL TASKS THAT DISTURB ASBESTOS OR LEAD-CONTAINING MATERIALS, DUST OR PAINT TO DETERMINE THE APPROPRIATE WORKER AND SITE PROTECTION PROCEDURES REQUIRED. DUE TO THE AGE OF THE BUILDINGS, METALLIC LEAD IS ASSUMED PRESENT IN BELL AND SPIGOT PIPE JOINTS AND IN SOLDER ON COPPER PIPES.
- SETTLED AND CONCEALED DUST ON ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND MECHANICAL COMPONENTS THROUGHOUT THE PROJECT AREA(S) CONTAINS REGULATED AIR CONTAMINANTS INCLUDING ASBESTOS AND LEAD. WORK OF ALL TRADES MAY INCLUDE DISTURBANCE OF ASBESTOS AND LEAD AND MAY RESULT IN WORKER EXPOSURE TO ASBESTOS AND LEAD ABOVE THE OSHA ACTION LEVEL OR PERMISSIBLE EXPOSURE LIMITS FOR ASBESTOS OR LEAD IF PROPER WORK PRACTICES AND/OR ENGINEERING CONTROLS ARE NOT USED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHOOSE APPROPRIATE WORKER AND SITE PROTECTION PROCEDURES SO THAT THEIR WORKERS ARE NOT EXPOSED ABOVE THOSE LIMITS AND THAT WORK IS PERFORMED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. THE PRESENCE OF ASBESTOS OR LEAD IN DUSTS DOES NOT NECESSARILY MAKE THEM A HAZARD TO WORKERS OR A HAZARDOUS WASTE.
- 7. THE CONTRACTOR'S INDEPENDENT LABORATORY SHALL PROVIDE ALL INSPECTIONS, MONITORING, SAMPLING, ANALYSES AND REPORTING SERVICES AS SPECIFIED. CLEARANCE AIR MONITORING SHALL BE CONDUCTED IN ACCORDANCE WITH 40 CFR 763. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION ON SAMPLING.
- LOCATIONS OF MATERIALS SHOWN ON THESE DRAWINGS ARE SCHEMATIC AND APPROXIMATE. FIELD VERIFY AND COORDINATE CONSTRUCTION DETAILS, DIMENSIONS, WORK CONDITIONS, AND LOCATIONS WHICH WILL AFFECT THE REMOVAL OR DISTURBANCE OF HAZARDOUS MATERIALS. HAZARDOUS MATERIALS MAY HAVE COME LOOSE AND FALLEN ONTO FLOORS, CEILINGS, CHASES, OR WALL CAVITIES. THE QUANTITIES SHOWN IN THE SHEET SUMMARY ARE APPROXIMATE AND MAY VARY DEPENDING ON THE CONTRACTOR'S MEANS AND METHODS. REQUIRE ALL TRADES TO COORDINATE WITH EACH OTHER AND TO CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION, SEE DRAWINGS OF ALL DISCIPLINES FOR ADDITIONAL INFORMATION RELATING TO HAZARDOUS MATERIALS. IMMEDIATELY COMMUNICATE ALL DISCREPANCIES IN QUANTITIES TO THE OWNER. REFER TO HAZARDOUS MATERIALS ASSESSMENT FOR MORE INFORMATION ABOUT POTENTIALLY HAZARDOUS MATERIALS THAT ARE NOT SCHEDULED FOR DISTURBANCE BY THIS PROJECT. FURNISH ALL WORK AND MATERIALS REQUIRED FOR A FINISHED PROJECT AS DESCRIBED IN THE CONTRACT DOCUMENTS. QUANTITIES LISTED WITH A \* MAY VARY DEPENDING ON THE CONTRACTOR'S MEANS AND METHODS. CONTRACTOR'S MEANS AND METHODS RESULTING IN ADDITIONAL MATERIALS REMOVAL SHALL NOT RESULT IN ADDED CONTRACT COSTS TO THE OWNER.
- PROVIDE ALL WASTE TESTING, PACKAGING, HANDLING, TRANSPORTATION AND DISPOSAL. ALL COSTS FOR DISPOSAL SHALL BE BORNE BY THE CONTRACTOR. PERFORM TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP) TEST(S) OF WASTE(S) CONTAINING LEAD OR PAINTED WITH LEAD-CONTAINING PAINT TO CHARACTERIZE THE WASTE(S) AS HAZARDOUS OR NON-HAZARDOUS PRIOR TO DISPOSAL. PERFORM TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP) TEST(S) OF HEAT TRANSFER FLUIDS IN HEATING SYSTEM TO CHARACTERIZE THE WASTE(S) AS HAZARDOUS OR NON-HAZARDOUS PRIOR TO DISPOSAL. COORDINATE REQUIREMENTS OF LANDFILL(S) REGARDING MATERIALS PACKAGING, HANDLING, AND DISPOSAL REQUIREMENTS PRIOR TO SUBMITTING BID.
- 10. BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL HAS A COMPLEX CONSTRUCTION HISTORY AND UNDERSTANDING THAT HISTORY IS IMPORTANT IN THE CONTRACTOR'S IDENTIFICATION OF THE MATERIALS, LOCATIONS AND QUANTITIES OF THE VARIOUS HAZARDOUS MATERIALS DESCRIBED IN THE HAZARDOUS MATERIALS ASSESSMENT WHICH ARE THE CONTRACTOR'S RESPONSIBILITY TO DISTURB IN COMPLIANCE WITH THIS CONTRACT AND REGULATIONS. A SIMPLIFIED DESCRIPTION OF THE MANY PREVIOUS PROJECTS AND ERAS OF CONSTRUCTION IS INCLUDED IN THE ADDITIVE ALTERNATE SHEETS HA3.01, HA3.02 AND HA3.03 WHICH CAN BE USED AS A GUIDE IN REFERENCING THE "AS-BUILT" DRAWINGS WHICH ARE AVAILABLE FROM THE ANCHORAGE SCHOOL DISTRICT.

#### NOTIFICATION OF POTENTIAL HAZARDS:

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#### SHEET NOTES

HAZARDS ABATEMENT DRAWINGS DO NOT SHOW ALL DETAILS OF WORK REQUIRED. ALL TRADES SHALL EXAMINE DRAWINGS OF OTHER TRADES AND COORDINATE WITH EACH OTHER TO DETERMINE EXTENT, TIMING AND LOCATIONS OF MATERIALS AFFECTED BY THE PROJECT. INCIDENTAL QUANTITIES OF MATERIALS, INCLUDING LEAD-CONTAINING MATERIALS, THAT ARE REQUIRED TO BE REMOVED OR DISTURBED TO COMPLETE THE WORK, ARE NOT INCLUDED HERE, AS THEY WILL VARY DEPENDING ON THE CONTRACTORS CHOICE OF MEANS AND METHODS

- REMOVE OR DISTURB GYPSUM BOARD SYSTEM ON CEILINGS WITH ASBESTOS-CONTAINING JOINT COMPOUND AS REQUIRED TO COMPLETE THE WORK. WORK IN THE LOWER FAN ROOM NWL106 INCLUDES REMOVAL OF WATER AND MOLD DAMAGED MATERIALS.
- 2 REMOVE AND DISPOSE OF CLOCK-SPEAKER OR SPEAKER BOXES WITH ASBESTOS-CONTAINING TARRY LINING.
- DISTURB ASBESTOS-CONTAINING MASTICS TO CEILING GRID "L" CHANNELS ONLY AS REQUIRED TO COMPLETE THE WORK. CEILING GRID MASTIC TO REMAIN IF NOT AFFECTED.
- 4 REMOVE OR DISTURB ASBESTOS-CONTAINING EXTERIOR TEXTURED PAINT AS REQUIRED TO COMPLETE THE WORK.
- REMOVE FLUORESCENT LIGHT FIXTURES WITH CONNECTING WIRING WITH ASBESTOS-CONTAINING INSULATION, PCB-CONTAINING BALLASTS AND MERCURY-CONTAINING LIGHT TUBES.
- REMOVE EXIT SIGNS, EMERGENCY LIGHTS, FIRE ALARM SYSTEM, AND SMOKE DETECTORS WITH UNIVERSAL WASTE BATTERIES. RECYCLE OR PROPERLY DISPOSE OF BATTERIES.
- 7 REMOVE SELF POWERED EXIT SIGNS AND SMOKE DETECTORS WITH RADIOACTIVE COMPONENTS
- 8 REMOVE AND DISPOSE OF HEAT TRANSFER FLUIDS AS NECESSARY.
- OORDINATE LOCATION, EXTENTS AND QUANTITIES OF DISTURBANCE OF CARPETING, VINYL ASBESTOS FLOOR TILES AND/OR ASBESTOS- CONTAINING FLOORING MASTICS, ASBESTOS-CONTAINING SEALANTS AND OTHER ASBESTOS-CONTAINING COMPONENTS AT CHEMICAL RESISTANT LABORATORY TABLES, BACK-SPLASHES, SINKS, ETC. ALONG WITH ASBESTOS-CONTAINING JOINT COMPOUND OF GYPSUM WALL BOARD (GWB) SYSTEMS TO FACILITATE THE STRUCTURAL REINFORCING OF THE (TYPICALLY) CONCRETE MASONRY UNIT (CMU) WALLS AS SHOWN BY OTHER TRADES. THE WORK INCLUDES NECESSARY REMOVAL AND RE-INSTALLATION OF CABINETRY, LAB TABLES, FLOORING, COVE BASE AND MASTICS, GWB, ETC. TO FACILITATE THE INSTALLATION OF NEW STEEL ANGLE REINFORCING. THE NEW ANGLE REINFORCING IS REQUIRED TO BE INSTALLED ON ONLY ONE SIDE OF THE WALL, AND THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS, ETC. FOR WHERE THE REINFORCING WILL BE INSTALLED. THESE DRAWINGS ONLY SHOW THE LOCATION OF THE ASBESTOS-CONTAINING FLOORING MATERIALS, AND NOT ALL LOCATIONS WILL REQUIRE REMOVAL OF THE ABOVE MATERIALS. CABINETRY, LAB TABLES, ETC. ARE NOT SHOWN HERE, REFER TO "AS-BUILT" DRAWINGS WHICH ARE AVAILABLE FROM THE ANCHORAGE SCHOOL DISTRICT THAT SHOW THOSE APPURTENANCES. NOT ALL OF THE LAB TABLES ARE ASBESTOS-CONTAINING, SOME ARE A PLASTIC COVERING OVER WOOD.

#### ESTIMATED QUANTITIES TO BE REMOVED (BASE BID)

HAZARDS ABATEMENT DRAWINGS DO NOT SHOW ALL DETAILS OF WORK REQUIRED. ALL TRADES SHALL EXAMINE DRAWINGS OF OTHER TRADES AND COORDINATE WITH EACH OTHER TO DETERMINE EXTENT, TIMING AND LOCATIONS OF MATERIALS AFFECTED BY THE PROJECT. INCIDENTAL QUANTITIES OF MATERIALS, INCLUDING LEAD-CONTAINING MATERIALS, THAT ARE REQUIRED TO BE REMOVED OR DISTURBED TO COMPLETE THE WORK, ARE NOT INCLUDED HERE, AS THEY WILL VARY DEPENDING ON THE CONTRACTORS CHOICE OF MEANS AND METHODS

- 4,560 SQUARE FEET OF GYPSUM WALLBOARD WITH ASBESTOS-CONTAINING JOINT COMPOUND
- 1 LOT ASBESTOS-CONTAINING GASKETS AND VALVE PACKINGS ON PIPING
- TBD\* REMOVAL/RELOCATION OF ASBESTOS-CONTAINING LABORATORY TABLES & COMPONENTS FOR STRUCTURAL WORK
- 1300\* SQUARE FEET OF VINYL ASBESTOS FLOOR TILE AND MASTICS (SOME ROOMS HAVE CARPET) FOR STRUCTURAL WORK
- 3,200 MERCURY-CONTAINING FLUORESCENT LAMPS AND COMPACT FLUORESCENT LAMPS
- 2 SELF ILLUMINATING EXIT RADIOACTIVE SIGNS
- 59 SMOKE DETECTOR WITH RADIOACTIVE COMPONENTS
- 18 EMERGENCY LIGHTS OR OTHER EQUIPMENT WITH UNIVERSAL WASTE BATTERIES
- 5,250 LINEAR FEET OF ASBESTOS-CONTAINING CEILING GRID MASTIC
- 3,600 LINEAR FEET OF WIRING AT FLUORESCENT LIGHTS WITH ASBESTOS-CONTAINING INSULATION
- 1 LOT HEAT TRANSFER FLUIDS

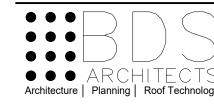
SEE OTHER SHEETS FOR ESTIMATED QUANTITIES TO BE REMOVED FOR VARIOUS ADDITIVE ALTERNATES



REVISIONS

No Description Date





3330 C St, Suite 200, Anchorage, Ak 99503

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BETTYE DAVIS EAST
ANCHORAGE HIGH SCHOOL
SAFETY UPGRADES ACADEMIC
AREA
4025 E Northern Lights

BDS Project No.: 418001.002

ASD Project No.: 19C0002

BID DOCUMENTS

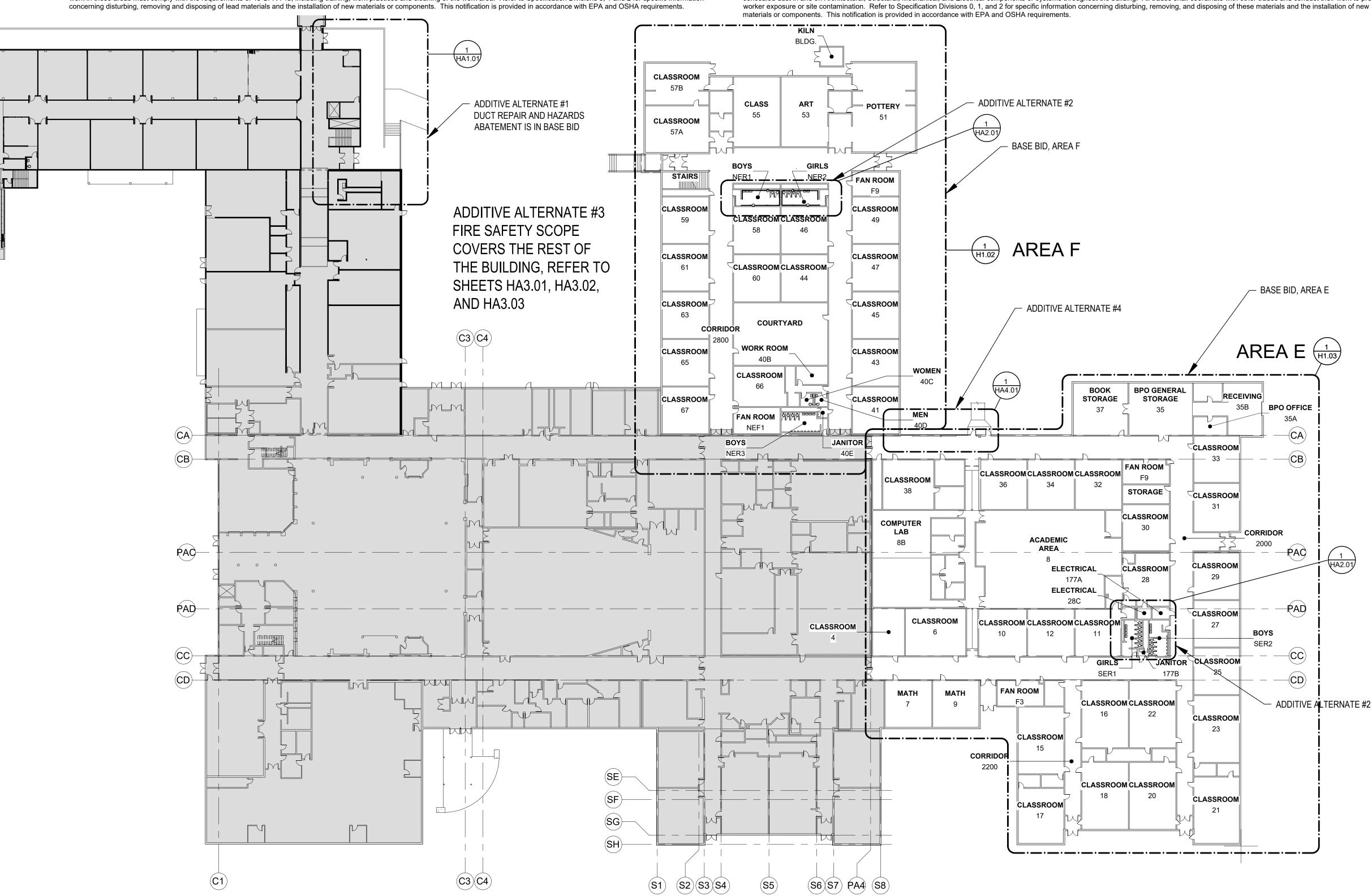
NOVEMBER 7, 2023

HAZARDS
ABATEMENT
GENERAL &
SHEET
NOTES
HO 01

NOTIFICATION OF CHILD OCCUPIED FACILITY:
Portions of this building are classified as a Child Occupied Facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1 and 2 for specific information

NOTIFICATION OF POTENTIAL HAZARDS:

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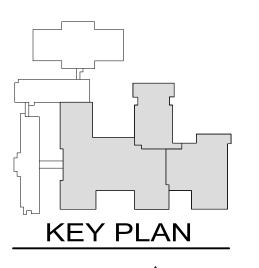






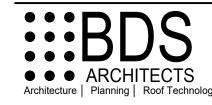
REVISIONS

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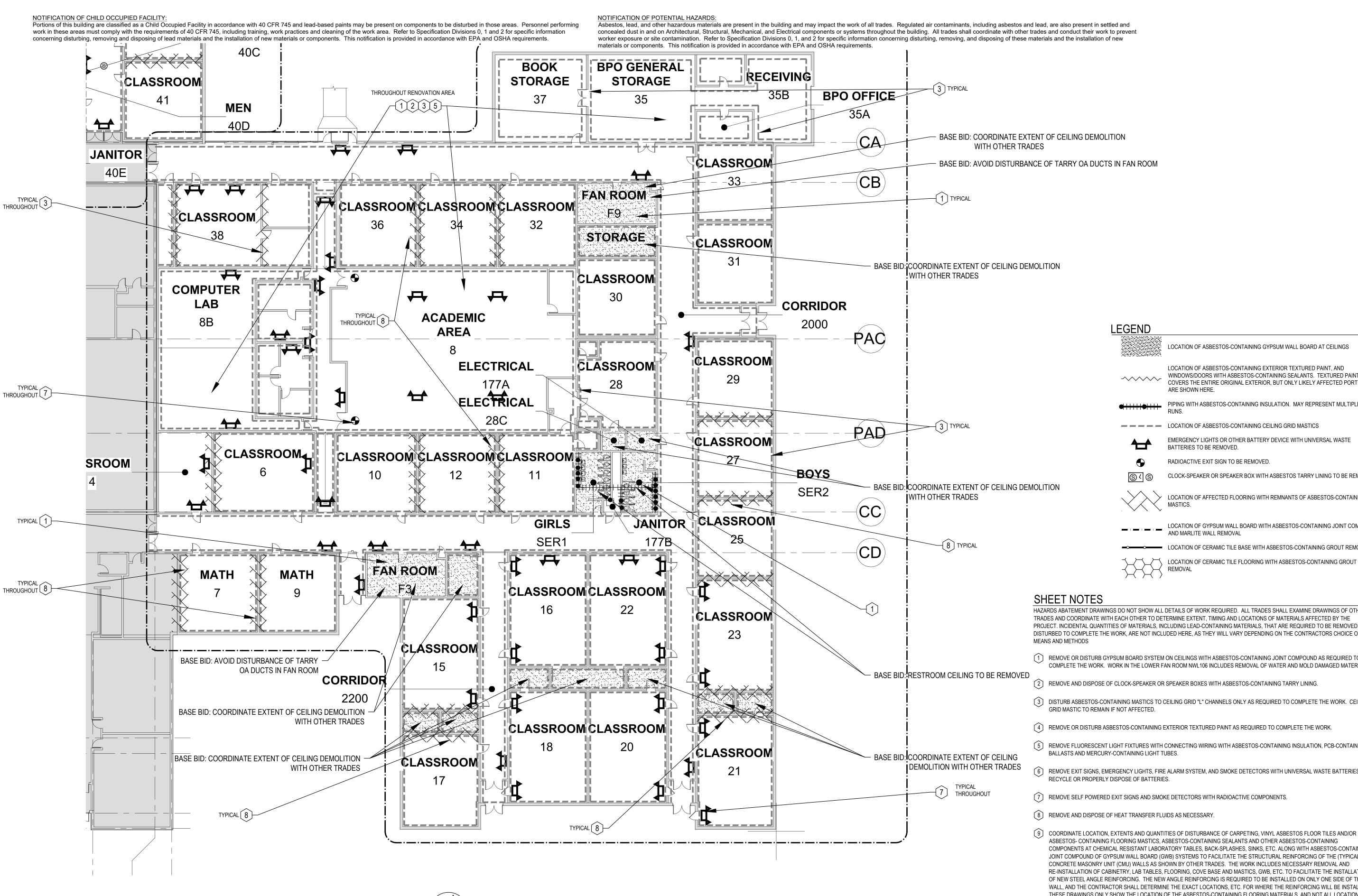
BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

BDS Project No.: 418001.002
ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

HAZARDS
ABATEMENT
ACADEMIC
AREA PLAN
H1.01



HAZARDS ABATEMENT - MAIN FLOOR, AREA E

FULL SIZE: 1/16" = 1'-0" HALF SIZE: 1/32" = 1'-0"



**REVISIONS** 

No Description Date

LOCATION OF ASBESTOS-CONTAINING GYPSUM WALL BOARD AT CEILINGS

LOCATION OF ASBESTOS-CONTAINING EXTERIOR TEXTURED PAINT, AND WINDOWS/DOORS WITH ASBESTOS-CONTAINING SEALANTS. TEXTURED PAINT COVERS THE ENTIRE ORIGINAL EXTERIOR, BUT ONLY LIKELY AFFECTED PORTIONS

CLOCK-SPEAKER OR SPEAKER BOX WITH ASBESTOS TARRY LINING TO BE REMOVED

PIPING WITH ASBESTOS-CONTAINING INSULATION. MAY REPRESENT MULTIPLE PIPE

LOCATION OF ASBESTOS-CONTAINING CEILING GRID MASTICS

EMERGENCY LIGHTS OR OTHER BATTERY DEVICE WITH UNIVERSAL WASTE BATTERIES TO BE REMOVED. RADIOACTIVE EXIT SIGN TO BE REMOVED.

LOCATION OF AFFECTED FLOORING WITH REMNANTS OF ASBESTOS-CONTAINING

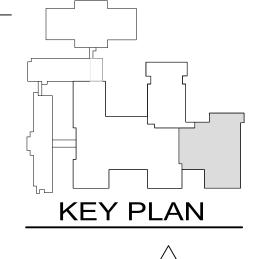
LOCATION OF GYPSUM WALL BOARD WITH ASBESTOS-CONTAINING JOINT COMPOUND AND MARLITE WALL REMOVAL

LOCATION OF CERAMIC TILE BASE WITH ASBESTOS-CONTAINING GROUT REMOVAL

LOCATION OF CERAMIC TILE FLOORING WITH ASBESTOS-CONTAINING GROUT REMOVAL

HAZARDS ABATEMENT DRAWINGS DO NOT SHOW ALL DETAILS OF WORK REQUIRED. ALL TRADES SHALL EXAMINE DRAWINGS OF OTHER TRADES AND COORDINATE WITH EACH OTHER TO DETERMINE EXTENT, TIMING AND LOCATIONS OF MATERIALS AFFECTED BY THE PROJECT. INCIDENTAL QUANTITIES OF MATERIALS, INCLUDING LEAD-CONTAINING MATERIALS, THAT ARE REQUIRED TO BE REMOVED OR DISTURBED TO COMPLETE THE WORK, ARE NOT INCLUDED HERE, AS THEY WILL VARY DEPENDING ON THE CONTRACTORS CHOICE OF

- [1] REMOVE OR DISTURB GYPSUM BOARD SYSTEM ON CEILINGS WITH ASBESTOS-CONTAINING JOINT COMPOUND AS REQUIRED TO COMPLETE THE WORK. WORK IN THE LOWER FAN ROOM NWL106 INCLUDES REMOVAL OF WATER AND MOLD DAMAGED MATERIALS.
- (3) DISTURB ASBESTOS-CONTAINING MASTICS TO CEILING GRID "L" CHANNELS ONLY AS REQUIRED TO COMPLETE THE WORK. CEILING
- [4] REMOVE OR DISTURB ASBESTOS-CONTAINING EXTERIOR TEXTURED PAINT AS REQUIRED TO COMPLETE THE WORK.
- (5) REMOVE FLUORESCENT LIGHT FIXTURES WITH CONNECTING WIRING WITH ASBESTOS-CONTAINING INSULATION, PCB-CONTAINING BALLASTS AND MERCURY-CONTAINING LIGHT TUBES.
- (6) REMOVE EXIT SIGNS, EMERGENCY LIGHTS, FIRE ALARM SYSTEM, AND SMOKE DETECTORS WITH UNIVERSAL WASTE BATTERIES. RECYCLE OR PROPERLY DISPOSE OF BATTERIES.
- (7) REMOVE SELF POWERED EXIT SIGNS AND SMOKE DETECTORS WITH RADIOACTIVE COMPONENTS.
- (8) REMOVE AND DISPOSE OF HEAT TRANSFER FLUIDS AS NECESSARY.
- ASBESTOS- CONTAINING FLOORING MASTICS, ASBESTOS-CONTAINING SEALANTS AND OTHER ASBESTOS-CONTAINING COMPONENTS AT CHEMICAL RESISTANT LABORATORY TABLES, BACK-SPLASHES, SINKS, ETC. ALONG WITH ASBESTOS-CONTAINING JOINT COMPOUND OF GYPSUM WALL BOARD (GWB) SYSTEMS TO FACILITATE THE STRUCTURAL REINFORCING OF THE (TYPICALLY) CONCRETE MASONRY UNIT (CMU) WALLS AS SHOWN BY OTHER TRADES. THE WORK INCLUDES NECESSARY REMOVAL AND RE-INSTALLATION OF CABINETRY, LAB TABLES, FLOORING, COVE BASE AND MASTICS, GWB, ETC. TO FACILITATE THE INSTALLATION OF NEW STEEL ANGLE REINFORCING. THE NEW ANGLE REINFORCING IS REQUIRED TO BE INSTALLED ON ONLY ONE SIDE OF THE WALL, AND THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS, ETC. FOR WHERE THE REINFORCING WILL BE INSTALLED. THESE DRAWINGS ONLY SHOW THE LOCATION OF THE ASBESTOS-CONTAINING FLOORING MATERIALS, AND NOT ALL LOCATIONS WILL REQUIRE REMOVAL OF THE ABOVE MATERIALS. CABINETRY, LAB TABLES, ETC. ARE NOT SHOWN HERE, REFER TO "AS-BUILT" DRAWINGS WHICH ARE AVAILABLE FROM THE ANCHORAGE SCHOOL DISTRICT THAT SHOW THOSE APPURTENANCES. NOT ALL OF THE LAB TABLES ARE ASBESTOS-CONTAINING, SOME ARE A PLASTIC COVERING OVER WOOD.









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BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 19C0002

> **BID DOCUMENTS** NOVEMBER 7, 2023

**HAZARDS ABATEMENT** AREA E

Portions of this building are classified as a Child Occupied Facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1 and 2 for specific information concerning disturbing, removing and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

EXTERIOR

TEXTURE TO BE

TYPICAL 2

TYPICAL 3-

THROUGHOUT 6

DISTURBED FOR 4 **NEW CANOPY** 

BASE & ALTERNATES: AVOID DISTURBANCE OF ASBESTOS-

CONTAINING TARRY SILVER WATERPROOFING ON THIS WALL

**CLASSROOM** 

**CLASSROOM** 

57A

CLASSROOM

CLASSROOM

61

CLASSROOM

63

CLASSROOM

**CLASSROOM** 

67

<u>\_\_\_\_\_\_</u>

WITH OTHER TRADES

CORRIDOR

1

BOYS

NER3

NOTIFICATION OF POTENTIAL HAZARDS: Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

7 TYPICAL THROUGHOUT

-(1) TYPICAL

TYPICAL THROUGHOUT

TYPICAL THROUGHOUT

THROUGHOUT

BASE BID: COORDINATE EXTENT OF CEILING DEMOLITION

BASE & ALTERNATES: AVOID DISTURBANCE OF ASBESTOS-

CONTAINING TARRY SILVER WATERPROOFING ON THIS WALL

WITH OTHER TRADES

BASE BID: RESTROOM CEILING TO BE REMOVED

**KILN** 

BLDG.

ART

**GIRLS** 

NER2 ®

POTTERY 🖼

**FAN ROOM** 

CLASSROOM

CLASSROOM

CLASSROOM

45

CLASSROOM

CLASSROOM

BASE BID: RESTROOM CEILING TO BE REMOVED

WOMEN

40C

MEN

F9 \_\_

THROUGHOUT RENOVATION AREA

 $\widehat{1}\widehat{2}\widehat{3}\widehat{5}$ 

**CLASS** 

CLASSROOM CLASSROOM

CLASSROOM CLASSROOM

COURTYARD

**WORK ROOM** 

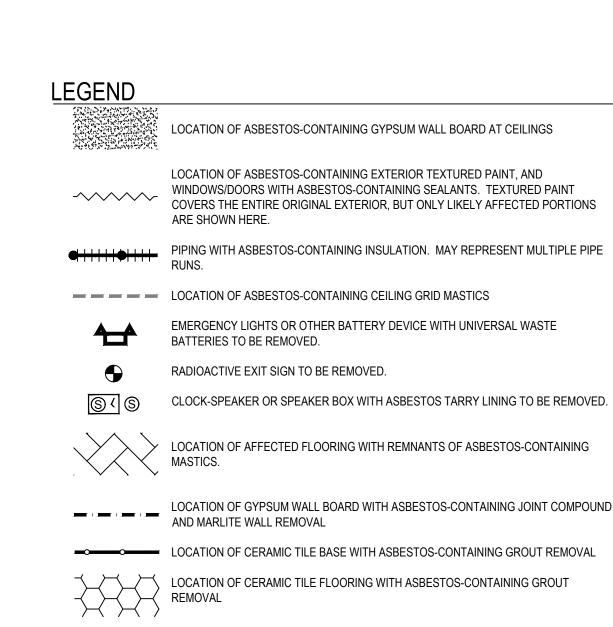
CLASSROOM

**FAN ROOM** 

NER1



**REVISIONS** No Description Date



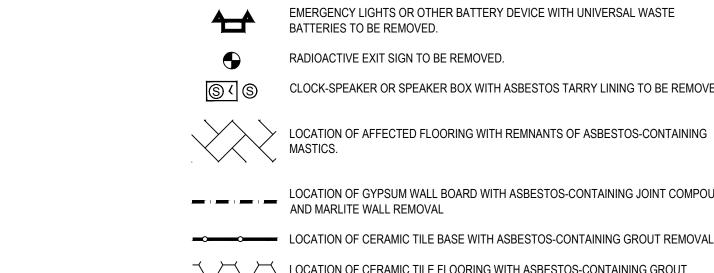
#### SHEET NOTES

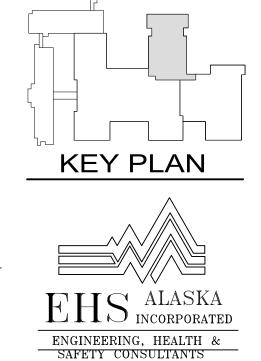
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- 2 REMOVE AND DISPOSE OF CLOCK-SPEAKER OR SPEAKER BOXES WITH ASBESTOS-CONTAINING TARRY LINING.
- (3) DISTURB ASBESTOS-CONTAINING MASTICS TO CEILING GRID "L" CHANNELS ONLY AS REQUIRED TO COMPLETE THE WORK. CEILING GRID MASTIC TO REMAIN IF NOT AFFECTED.
- (4) REMOVE OR DISTURB ASBESTOS-CONTAINING EXTERIOR TEXTURED PAINT AS REQUIRED TO COMPLETE THE WORK.
- (5) REMOVE FLUORESCENT LIGHT FIXTURES WITH CONNECTING WIRING WITH ASBESTOS-CONTAINING INSULATION, PCB-CONTAINING BALLASTS AND MERCURY-CONTAINING LIGHT TUBES.
- (6) REMOVE EXIT SIGNS, EMERGENCY LIGHTS, FIRE ALARM SYSTEM, AND SMOKE DETECTORS WITH UNIVERSAL WASTE BATTERIES. RECYCLE OR PROPERLY DISPOSE OF BATTERIES.

(9) COORDINATE LOCATION, EXTENTS AND QUANTITIES OF DISTURBANCE OF CARPETING, VINYL ASBESTOS FLOOR TILES AND/OR

- (7) REMOVE SELF POWERED EXIT SIGNS AND SMOKE DETECTORS WITH RADIOACTIVE COMPONENTS.
- (8) REMOVE AND DISPOSE OF HEAT TRANSFER FLUIDS AS NECESSARY
- ASBESTOS- CONTAINING FLOORING MASTICS, ASBESTOS-CONTAINING SEALANTS AND OTHER ASBESTOS-CONTAINING COMPONENTS AT CHEMICAL RESISTANT LABORATORY TABLES, BACK-SPLASHES, SINKS, ETC. ALONG WITH ASBESTOS-CONTAINING JOINT COMPOUND OF GYPSUM WALL BOARD (GWB) SYSTEMS TO FACILITATE THE STRUCTURAL REINFORCING OF THE (TYPICALLY) CONCRETE MASONRY UNIT (CMU) WALLS AS SHOWN BY OTHER TRADES. THE WORK INCLUDES NECESSARY REMOVAL AND RE-INSTALLATION OF CABINETRY, LAB TABLES, FLOORING, COVE BASE AND MASTICS, GWB, ETC. TO FACILITATE THE INSTALLATION OF NEW STEEL ANGLE REINFORCING. THE NEW ANGLE REINFORCING IS REQUIRED TO BE INSTALLED ON ONLY ONE SIDE OF THE WALL, AND THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS, ETC. FOR WHERE THE REINFORCING WILL BE INSTALLED THESE DRAWINGS ONLY SHOW THE LOCATION OF THE ASBESTOS-CONTAINING FLOORING MATERIALS, AND NOT ALL LOCATIONS WILL REQUIRE REMOVAL OF THE ABOVE MATERIALS. CABINETRY, LAB TABLES, ETC. ARE NOT SHOWN HERE, REFER TO "AS-BUILT" DRAWINGS WHICH ARE AVAILABLE FROM THE ANCHORAGE SCHOOL DISTRICT THAT SHOW THOSE APPURTENANCES. NOT ALL OF THE LAB TABLES ARE ASBESTOS-CONTAINING, SOME ARE A PLASTIC COVERING OVER WOOD.







Eagle River, AK 99577-7701

PH: 907-694-1383 FAX: 907-694-1382



3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635

W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 19C0002

**BID DOCUMENTS** NOVEMBER 7, 2023

**HAZARDS ABATEMENT** AREA F



TYPICAL 1 -



BASE BID: COORDINATE EXTENT OF CEILING DEMOLITION -

BASE BID: AVOID DISTURBANCE OF TARRY OA DUCTS IN FAN ROOM

#### NOTIFICATION OF CHILD OCCUPIED FACILITY:

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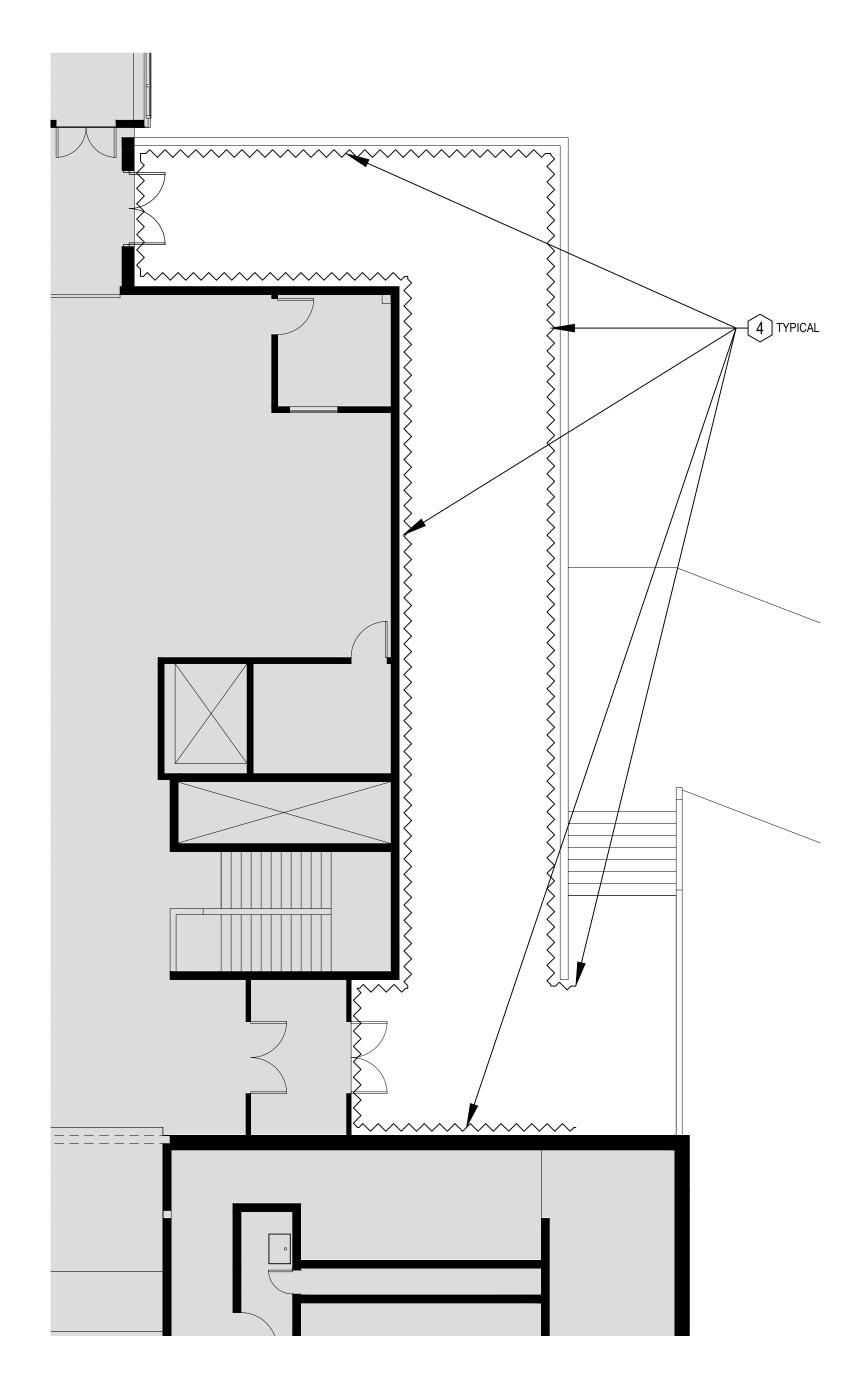
#### NOTIFICATION OF POTENTIAL HAZARDS:

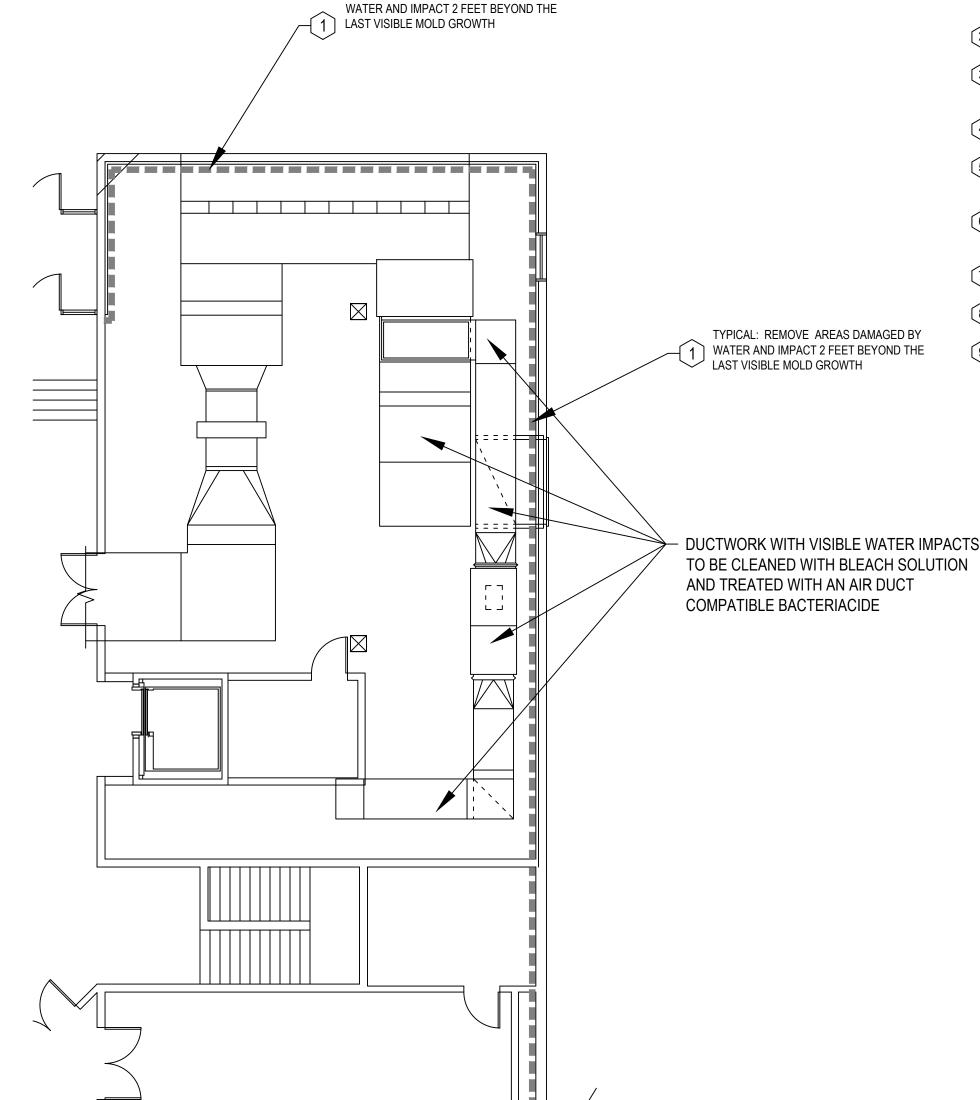
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#### ESTIMATED QUANTITIES TO BE REMOVED (ADDITIVE ALTERNATE #1)

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- 280\* LINEAR FEET OF ASBESTOS-CONTAINING EXTERIOR TEXTURED PAINT TO BE DISTURBED FOR NEW WATERPROOFING MEMBRANE FLASHING
- 20\* SQUARE FEET OF GYPSUM WALL BOARD WITH ASBESTOS-CONTAINING JOINT COMPOUND
- 150\* SQUARE FEET OF MOLD DAMAGED GYPSUM WALL BOARD WITH ASBESTOS-CONTAINING JOINT COMPOUND TO BE REMOVED
- 80\* LINEAR FEET OF WATER IMPACTED DUCTWORK TO BE CLEANED AND TREATED WITH BACTERIACIDE





TYPICAL: REMOVE AREAS DAMAGED BY

#### SHEET NOTES

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- (5) REMOVE FLUORESCENT LIGHT FIXTURES WITH CONNECTING WIRING WITH ASBESTOS-CONTAINING INSULATION, PCB-CONTAINING BALLASTS AND MERCURY-CONTAINING LIGHT TUBES.
- (6) REMOVE EXIT SIGNS, EMERGENCY LIGHTS, FIRE ALARM SYSTEM, AND SMOKE DETECTORS WITH UNIVERSAL WASTE BATTERIES. RECYCLE OR PROPERLY DISPOSE OF BATTERIES.
- (7) REMOVE SELF POWERED EXIT SIGNS AND SMOKE DETECTORS WITH RADIOACTIVE COMPONENTS.
- (8) REMOVE AND DISPOSE OF HEAT TRANSFER FLUIDS AS NECESSARY.

LEGEND

(9) COORDINATE LOCATION, EXTENTS AND QUANTITIES OF DISTURBANCE OF CARPETING, VINYL ASBESTOS FLOOR TILES AND/OR ASBESTOS- CONTAINING FLOORING MASTICS, ASBESTOS-CONTAINING SEALANTS AND OTHER ASBESTOS-CONTAINING COMPONENTS AT CHEMICAL RESISTANT LABORATORY TABLES, BACK-SPLASHES, SINKS, ETC. ALONG WITH ASBESTOS-CONTAINING JOINT COMPOUND OF GYPSUM WALL BOARD (GWB) SYSTEMS TO FACILITATE THE STRUCTURAL REINFORCING OF THE (TYPICALLY) CONCRETE MASONRY UNIT (CMU) WALLS AS SHOWN BY OTHER TRADES. THE WORK INCLUDES NECESSARY REMOVAL AND RE-INSTALLATION OF CABINETRY, LAB TABLES, FLOORING, COVE BASE AND MASTICS, GWB, ETC. TO FACILITATE THE INSTALLATION OF NEW STEEL ANGLE REINFORCING. THE NEW ANGLE REINFORCING IS REQUIRED TO BE INSTALLED ON ONLY ONE SIDE OF THE WALL, AND THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS, ETC. FOR WHERE THE REINFORCING WILL BE INSTALLED. THESE DRAWINGS ONLY SHOW THE LOCATION OF THE ASBESTOS-CONTAINING FLOORING MATERIALS, AND NOT ALL LOCATIONS WILL REQUIRE REMOVAL OF THE ABOVE MATERIALS. CABINETRY, LAB TABLES, ETC. ARE NOT SHOWN HERE, REFER TO "AS-BUILT" DRAWINGS WHICH ARE AVAILABLE FROM THE ANCHORAGE SCHOOL DISTRICT THAT SHOW THOSE APPURTENANCES. NOT ALL OF THE LAB TABLES ARE ASBESTOS-CONTAINING, SOME ARE A PLASTIC COVERING OVER WOOD.

LOCATION OF ASBESTOS-CONTAINING GYPSUM WALL BOARD AT CEILINGS

LOCATION OF ASBESTOS-CONTAINING EXTERIOR TEXTURED PAINT, AND WINDOWS/DOORS WITH ASBESTOS-CONTAINING SEALANTS. TEXTURED PAINT COVERS THE ENTIRE ORIGINAL EXTERIOR, BUT ONLY LIKELY AFFECTED PORTIONS

EMERGENCY LIGHTS OR OTHER BATTERY DEVICE WITH UNIVERSAL WASTE

— — — LOCATION OF ASBESTOS-CONTAINING CEILING GRID MASTICS

RADIOACTIVE EXIT SIGN TO BE REMOVED.

BATTERIES TO BE REMOVED.

AND MARLITE WALL REMOVAL

REMOVAL

PIPING WITH ASBESTOS-CONTAINING INSULATION. MAY REPRESENT MULTIPLE PIPE

CLOCK-SPEAKER OR SPEAKER BOX WITH ASBESTOS TARRY LINING TO BE REMOVED.

LOCATION OF AFFECTED FLOORING WITH REMNANTS OF ASBESTOS-CONTAINING

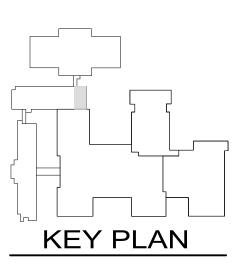
LOCATION OF GYPSUM WALL BOARD WITH ASBESTOS-CONTAINING JOINT COMPOUND

LOCATION OF CERAMIC TILE FLOORING WITH ASBESTOS-CONTAINING GROUT



School District

**REVISIONS** No Description Date







3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635

W: www.bdsak.com BETTYE DAVIS EAST

ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002

ASD Project No.: LOCATION OF CERAMIC TILE BASE WITH ASBESTOS-CONTAINING GROUT REMOVAL

BID DOCUMENTS NOVEMBER 7, 2023







Portions of this building are classified as a Child Occupied Facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1 and 2 for specific information concerning disturbing, removing and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

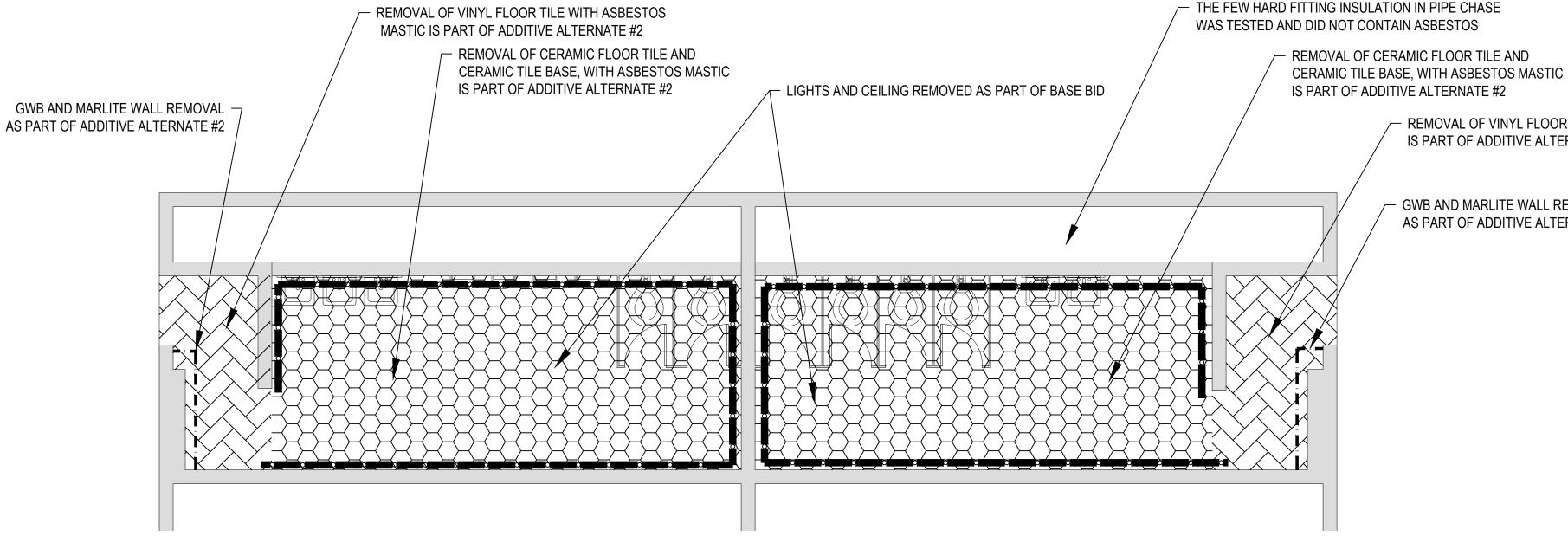
NOTIFICATION OF POTENTIAL HAZARDS: Asbestos, lead, and other hazardous materials are present in the building and may impact the work of all trades. Regulated air contaminants, including asbestos and lead, are also present in settled and concealed dust in and on Architectural, Structural, Mechanical, and Electrical components or systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

# ESTIMATED QUANTITIES TO BE REMOVED (ADDITIVE ALTERNATE #2)

HAZARDS ABATEMENT DRAWINGS DO NOT SHOW ALL DETAILS OF WORK REQUIRED. ALL TRADES SHALL EXAMINE DRAWINGS OF OTHER TRADES AND COORDINATE WITH EACH OTHER TO DETERMINE EXTENT, TIMING AND LOCATIONS OF MATERIALS AFFECTED BY THE PROJECT. INCIDENTAL QUANTITIES OF MATERIALS, INCLUDING LEAD-CONTAINING MATERIALS, THAT ARE REQUIRED TO BE REMOVED OR DISTURBED TO COMPLETE THE WORK, ARE NOT INCLUDED HERE, AS THEY WILL VARY DEPENDING ON THE CONTRACTORS CHOICE OF MEANS AND METHODS

**LEGEND** 

- 400 LINEAR FEET OF FIBERGLASS INSULATED PIPING WITH 100 ASBESTOS-CONTAINING "HARD FITTING" INSULATION ON FITTINGS, VALVES, ETC. CAN BE REMOVED ALONG WITH PIPING
- 125 LINEAR FEET OF CERAMIC TILE BASE WITH ASBESTOS-CONTAINING MASTIC
- 425 SQUARE FEET OF CERAMIC TILE FLOORING WITH ASBESTOS-CONTAINING MASTIC
- 130 SQUARE FEET OF GYPSUM WALL BOARD WITH ASBESTOS-CONTAINING JOINT COMPOUND, COVERED WITH MARLITE
- 100 SQUARE FEET OF VINYL FLOOR TILE WITH ASBESTOS-CONTAINING MASTIC



GWB AND MARLITE WALL REMOVAL

IS PART OF ADDITIVE ALTERNATE #2

REMOVAL OF VINYL FLOOR TILE WITH ASBESTOS MASTIC

**KEY PLAN** 

Anchorage School District

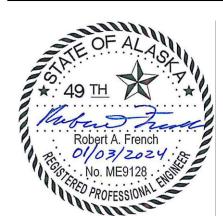
**REVISIONS** 

No Description Date



Eagle River, AK 99577-7701 PH: 907-694-1383 FAX: 907-694-1382

LICENSE# AECC689 www.ehs-alash





T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002

LOCATION OF GYPSUM WALL BOARD WITH ASBESTOS-CONTAINING JOINT COMPOUND

LOCATION OF CERAMIC TILE BASE WITH ASBESTOS-CONTAINING GROUT REMOVAL

CLOCK-SPEAKER OR SPEAKER BOX WITH ASBESTOS TARRY LINING TO BE REMOVED.

LOCATION OF AFFECTED FLOORING WITH REMNANTS OF ASBESTOS-CONTAINING

LOCATION OF ASBESTOS-CONTAINING GYPSUM WALL BOARD AT CEILINGS

LOCATION OF ASBESTOS-CONTAINING EXTERIOR TEXTURED PAINT, AND WINDOWS/DOORS WITH ASBESTOS-CONTAINING SEALANTS. TEXTURED PAINT COVERS THE ENTIRE ORIGINAL EXTERIOR, BUT ONLY LIKELY AFFECTED PORTIONS

EMERGENCY LIGHTS OR OTHER BATTERY DEVICE WITH UNIVERSAL WASTE

LOCATION OF CERAMIC TILE FLOORING WITH ASBESTOS-CONTAINING GROUT REMOVAL

AND MARLITE WALL REMOVAL

— — — LOCATION OF ASBESTOS-CONTAINING CEILING GRID MASTICS

RADIOACTIVE EXIT SIGN TO BE REMOVED.

BATTERIES TO BE REMOVED.



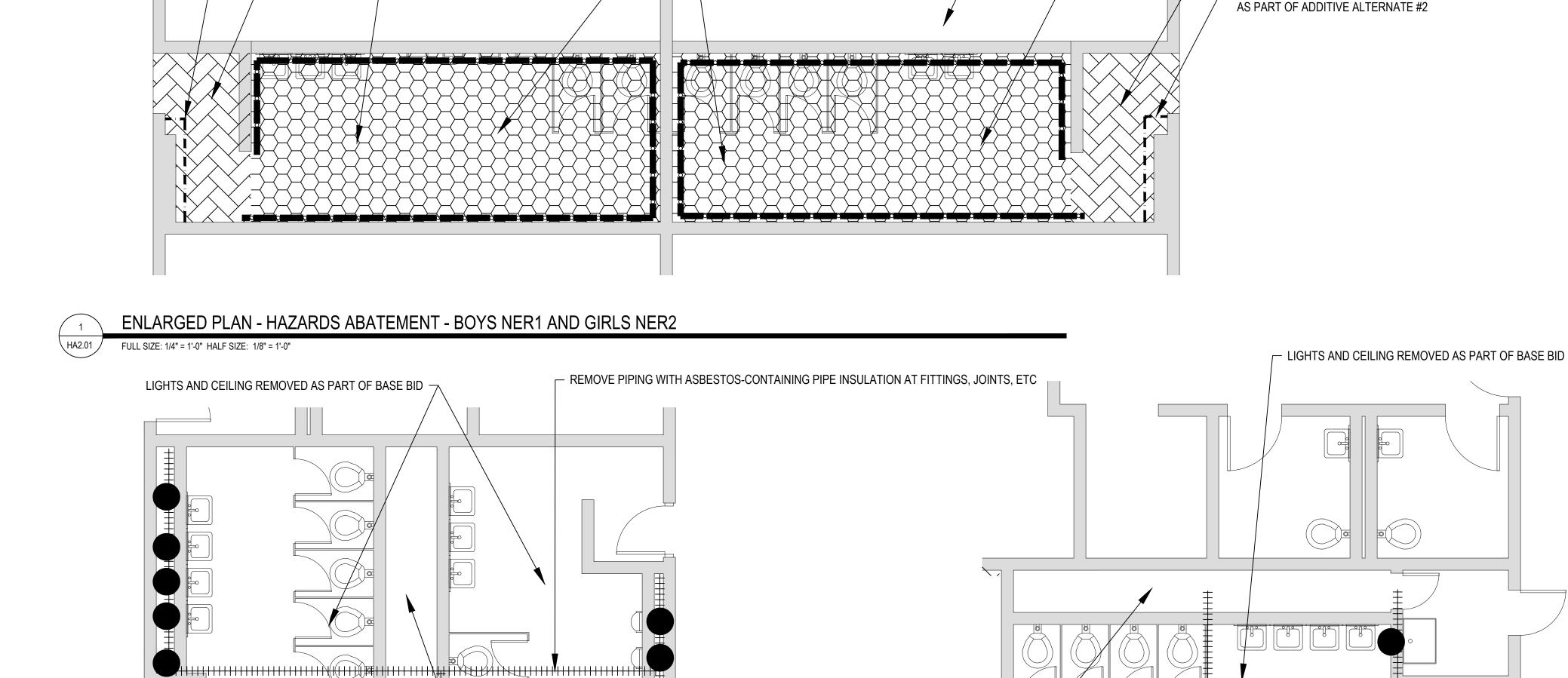
3330 C St, Suite 200, Anchorage, Ak 99503

BETTYE DAVIS EAST

ASD Project No.:

**BID DOCUMENTS** NOVEMBER 7, 2023

ADD. ALT 2 **RESTROOM** HAZ. ABATE. HA2.01

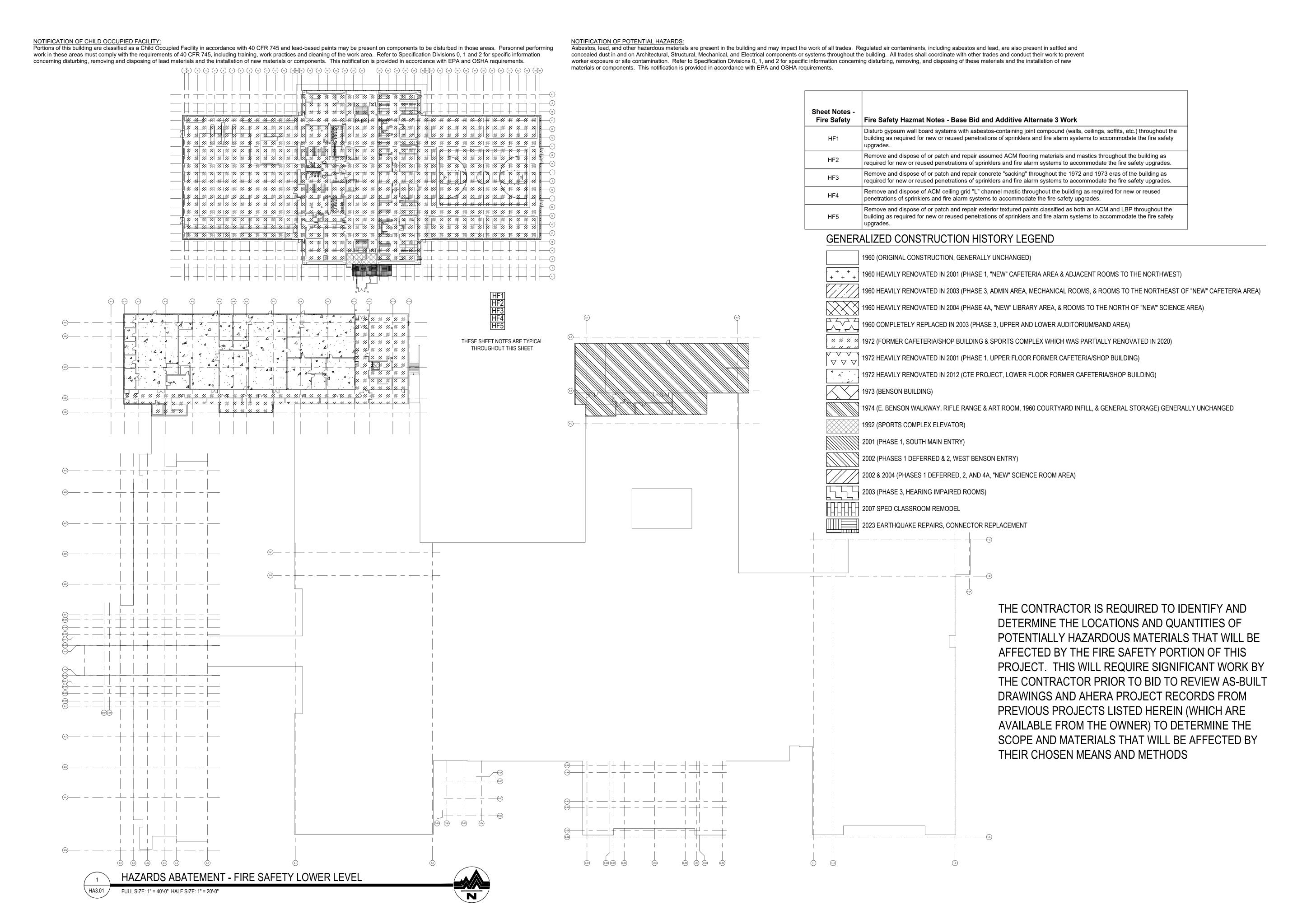


- THIS PIPE CHASE PREVIOUSLY "ABATED". INSPECT AND REMOVE REMNANTS

FULL SIZE: 1/4" = 1'-0" HALF SIZE: 1/8" = 1'-0"

FULL SIZE: 1/4" = 1'-0" HALF SIZE: 1/8" = 1'-0"

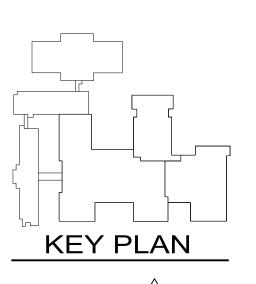
ENLARGED PLAN - HAZARDS ABATEMENT - BOYS NER3





REVISIONS

No Description Date







BDS

ARCHITECTS

Architecture | Planning | Roof Technology

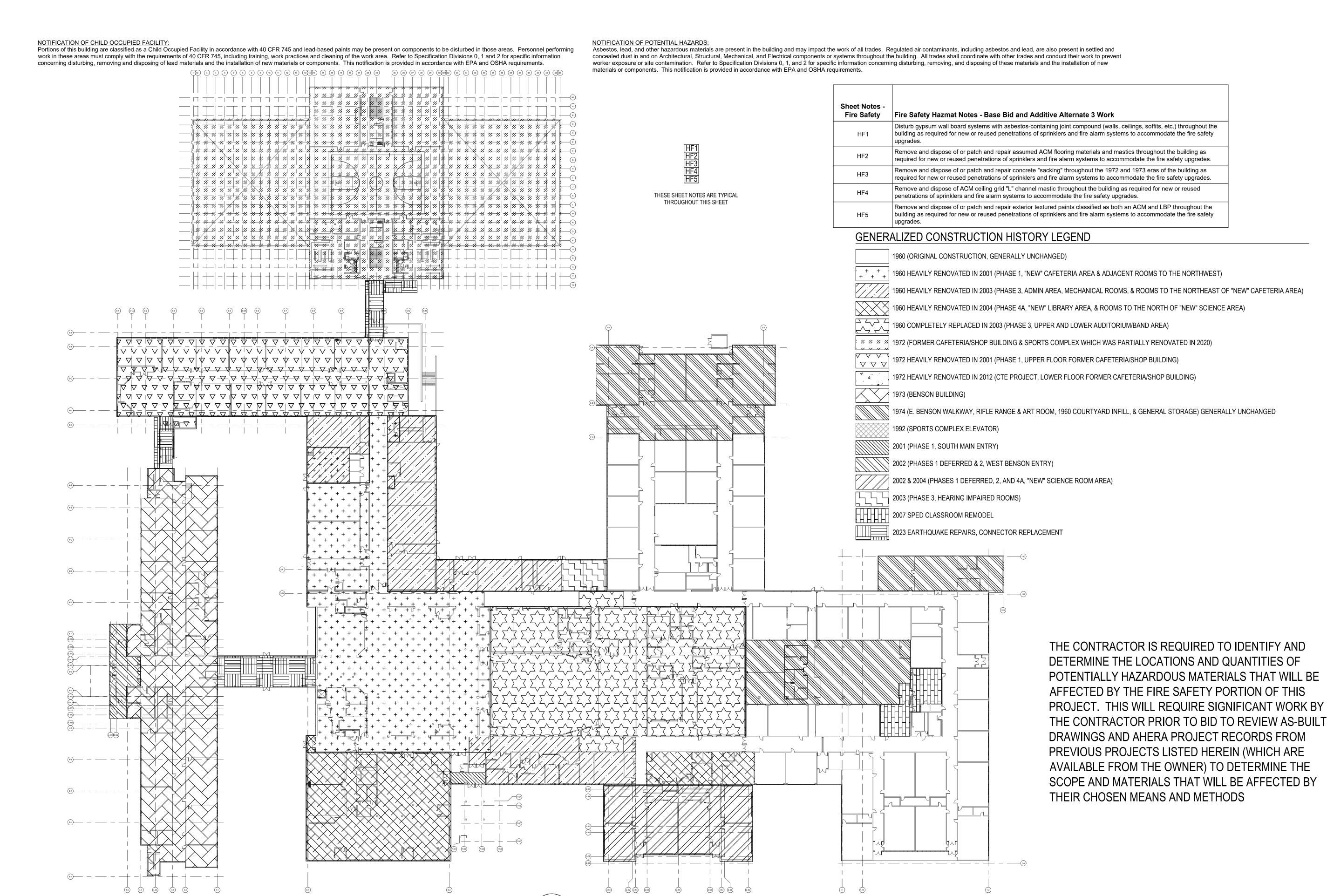
3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights
BDS Project No.: 418001.0
ASD Project No.: 19000

BID DOCUMENTS NOVEMBER 7, 2023

ADD. ALT 3
HAZ ABATE
LOWER
LEVEL
HA3.01



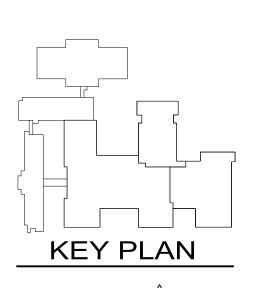
HAZARDS ABATEMENT - FIRE SAFETY MAIN LEVEL

FULL SIZE: 1" = 40'-0" HALF SIZE: 1" = 20'-0"



REVISIONS

No Description Date







BDS

ARCHITECTS

Architecture | Planning | Roof Technology

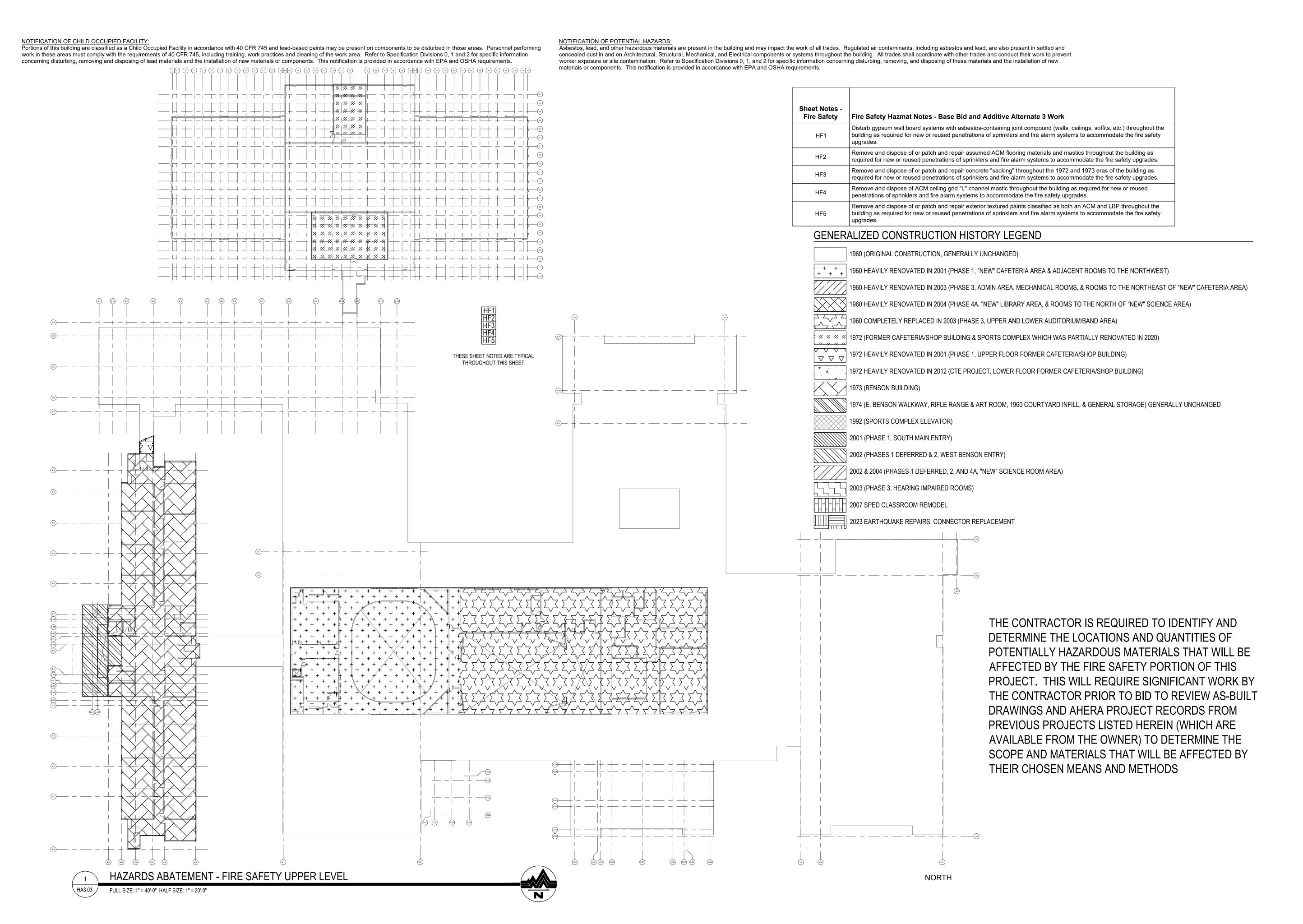
3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA 4025 E Northern Lights

BDS Project No.:

BID DOCUMENTS
NOVEMBER 7, 2023

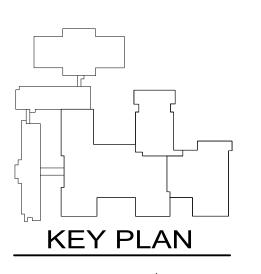
ADD. ALT 3
HAZ ABATE
MAIN LEVEL
HA3.02





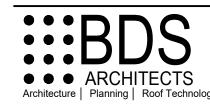
REVISIONS

No Description Date









3330 C St, Suite 200, Anchorage, Ak 99503
T: 907.562.6076 | F: 907.562.6635

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights
BDS Project No.: 418001.00

BID DOCUMENTS NOVEMBER 7, 2023

ADD. ALT 3
HAZ ABATE
UPPER LEVEL
HA3.03

Portions of this building are classified as a Child Occupied Facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1 and 2 for specific information concerning disturbing, removing and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

NOTIFICATION OF POTENTIAL HAZARDS: Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.



REVISIONS

No Description Date

ESTIMATED QUANTITIES TO BE REMOVED (ADDITIVE ALTERNATE #4)

LEGEND

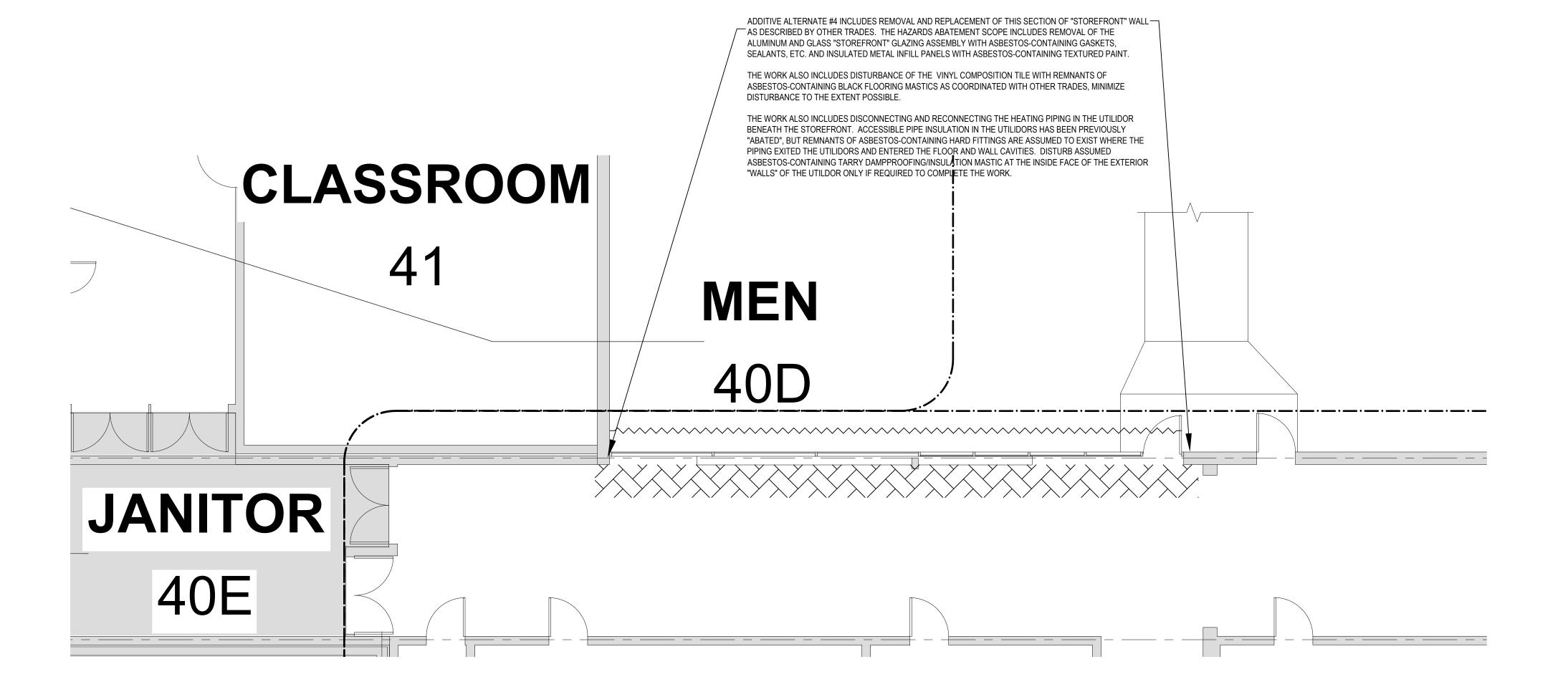
HAZARDS ABATEMENT DRAWINGS DO NOT SHOW ALL DETAILS OF WORK REQUIRED. ALL TRADES SHALL EXAMINE DRAWINGS OF OTHER TRADES AND COORDINATE WITH EACH OTHER TO DETERMINE EXTENT, TIMING AND LOCATIONS OF MATERIALS AFFECTED BY THE PROJECT. INCIDENTAL QUANTITIES OF MATERIALS, INCLUDING LEAD-CONTAINING MATERIALS, THAT ARE REQUIRED TO BE REMOVED OR DISTURBED TO COMPLETE THE WORK, ARE NOT INCLUDED HERE, AS THEY WILL VARY DEPENDING ON THE CONTRACTORS CHOICE OF MEANS AND METHODS

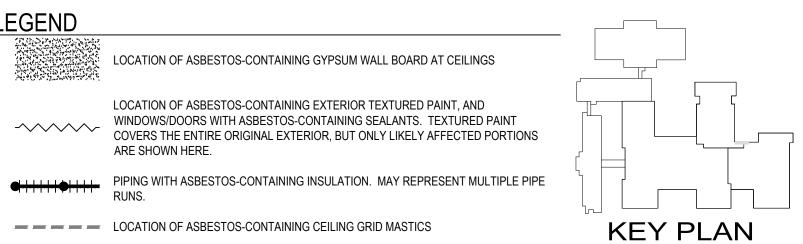
- 450 SQUARE FEET OF ALUMINUM AND GLASS "STOREFRONT" GLAZING ASSEMBLY WITH ASBESTOS-CONTAINING GASKETS, SEALANTS, ETC. AND INSULATED METAL INFILL PANELS WITH ASBESTOS-CONTAINING TEXTURED PAINT TO BE REMOVED.
- 100 SQUARE FEET ALLOWANCE OF VINYL COMPOSITION TILE WITH REMNANTS OF ASBESTOS-CONTAINING BLACK FLOORING MASTICS AFFECTED BY THE WORK. MINIMIZE DISTURBANCE TO THE EXTENT POSSIBLE.
- 6\* ASSUMED REMNANTS OF ASBESTOS-CONTAINING HARD FITTINGS WHERE THE PIPING EXITED THE UTILIDORS AND ENTERED THE FLOOR AND
- 10\* SQUARE FOOT ALLOWANCE FOR DISTURBANCE OF ASBESTOS-CONTAINING TARRY DAMPPROOFING/INSULATION MASTIC AT THE INSIDE FACE OF THE EXTERIOR "WALLS" OF THE UTILDOR.

ARE SHOWN HERE.

BATTERIES TO BE REMOVED.

RADIOACTIVE EXIT SIGN TO BE REMOVED.







Eagle River, AK 99577-7701

PH: 907-694-1383 FAX: 907-694-1382

LOCATION OF GYPSUM WALL BOARD WITH ASBESTOS-CONTAINING JOINT COMPOUND AND MARLITE WALL REMOVAL

LOCATION OF AFFECTED FLOORING WITH REMNANTS OF ASBESTOS-CONTAINING

CLOCK-SPEAKER OR SPEAKER BOX WITH ASBESTOS TARRY LINING TO BE REMOVED.

EMERGENCY LIGHTS OR OTHER BATTERY DEVICE WITH UNIVERSAL WASTE

LOCATION OF CERAMIC TILE BASE WITH ASBESTOS-CONTAINING GROUT REMOVAL

LOCATION OF CERAMIC TILE FLOORING WITH ASBESTOS-CONTAINING GROUT REMOVAL





3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA 4025 E Northern Lights BDS Project No.: ASD Project No.:

> BID DOCUMENTS NOVEMBER 7, 2023

ADD. ALT. 4 STOREFRONT HAZ. ABATE. HA4.01

ADDITIVE ALTERNATE #4, HAZARDS ABATEMENT - STOREFRONT

FULL SIZE: 3/16" = 1'-0" HALF SIZE: 3/32" = 1'-0"



DOUBLE

**DEGREE** 

DEPARTMENT

DIAMETER

DIAGONAL

DIMENSION

DISPENSER

DOWNSPOUT

**DISHWASHER** 

**EXPANSION JOINT** 

DRAWING

**EXISTING** 

**ELECTRICAL** 

**ELEVATION** 

**EQUIPMENT** 

**FAHRENHEIT** 

FLOOR DRAIN

FIRE EXTINGUISHER

FINISHED FLOOR

**FACE OF FINISH** 

FACE OF STUD

**FACE OF MASONRY** 

**FACE OF CONCRETE** 

**EXISTING** 

FINISH

FIXTURE

FLOOR

FRAMING

FOOTING

GAUGE **GALVANIZED** 

FEET

**EQUAL** 

DOWN

DOOR

DEMO

DEPT

DF

DIA

DIM

DISP

DN

DR

DW

DWG

EIFS

ELEC

ELEV

EPS EQ

**EQUIP** 

**EXIST** 

ETR

FD

FΕ FEC

FF&E

FIN

FIXT

FLR

FOF

FOM

FOS

FOC

FRT

FT

FTG

GLB

**GWB** 

GYP

FRM'G

DEMOLISH / DEMOLITION

EXTERIOR INSULATION AND FINISH SYSTEM

ETHYLENE PROPYLENE DIENE MONOMER

EXPANDED POLYSTYRENE INSULATION

FURNITURE, FIXTURES AND EQUIPMENT

FIBERGLASS REINFORCED PLASTIC

FIRE RETARDANT TREATED

GLUE LAMINATED BEAM

**GYPSUM WALL BOARD** 

GYPSUM BOARD

**ELECTRICAL THROUGH ROOF** 

FIRE EXTINGUISHER CABINET

DRINKING FOUNTAIN

OC

OFCI

OFS

ОН

OPN'G

OPP

OSB

ORD

OVHD

PERIM

PLAM

PNL

POLY

PREFAB

PROP

PSF

PTDR

PVC

RCP

RD

RESIL

REST

REQ'D

PLYWD

ON CENTER

INSTALLED

**OVERHEAD** 

**OPENING** 

**OPPOSITE** 

OVER HEAD

PERIMETER **PENTHOUSE** 

PLYWOOD

PREFABRICATE

RECEPTACLE

**RADIUS RETURN AIR** 

**ROOF DRAIN** 

REINFORCE

RESILIENT

**REST ROOM** 

REQUIRED

ROOM

REFRIG REFRIGERATOR

RAIN LEADER

REFERENCE

**ROUGH OPENING** 

PUBLIC ADDRESS

PLASTIC LAMINATE

POLYETHYLENE SHEET

POLYISO POLYISOCYANURATE INSULATION

POUNDS PER SQUARE FOOT

PENETRATION THROUGH ROOF

PAINTED / PAPER TOWEL DISPENSER

PAPER TOWEL DISPENSER AND WASTE

PRESERVATIVE TREATED

POLYVINYL CHLORIDE

REFLECTED CEILING PLAN

OUNCE

PAINT

**OUTSIDE DIAMETER** 

OVERFLOW SCUPPER

**ORIENTED STRAND BOARD** 

OVERFLOW ROOF DRAIN

OWNER FURNISHED, CONTRACTOR

OWNER FURNISHED, OWNER INSTALLED

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SHALL BE MOUNTED 18" MIN

(OR GREATER AS INDICATED

FROM WALL TO CENTERLINE

OF FIXTURE.

NOTIFICATION OF POTENTIAL HAZARDS: Portions of this building are classified as a Child Occupied Facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1 and 2 for specific information concerning disturbing, removing and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements. materials or components. This notification is provided in accordance with EPA and OSHA requirements.

VINYL COMPOSITION TILE

MIRROR -

SHELF -

**VERTICAL** 

**VESTIBULE** 

**VERIFY IN FIELD** 

VAPOR RETARDER

VENT THROUGH ROOF

**VEST** 

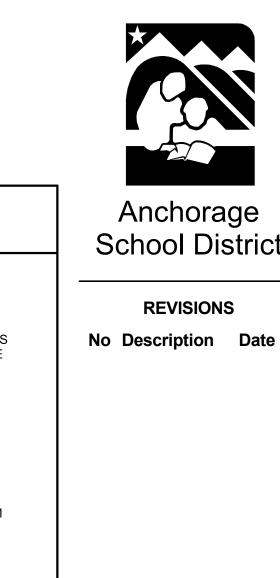
VTR

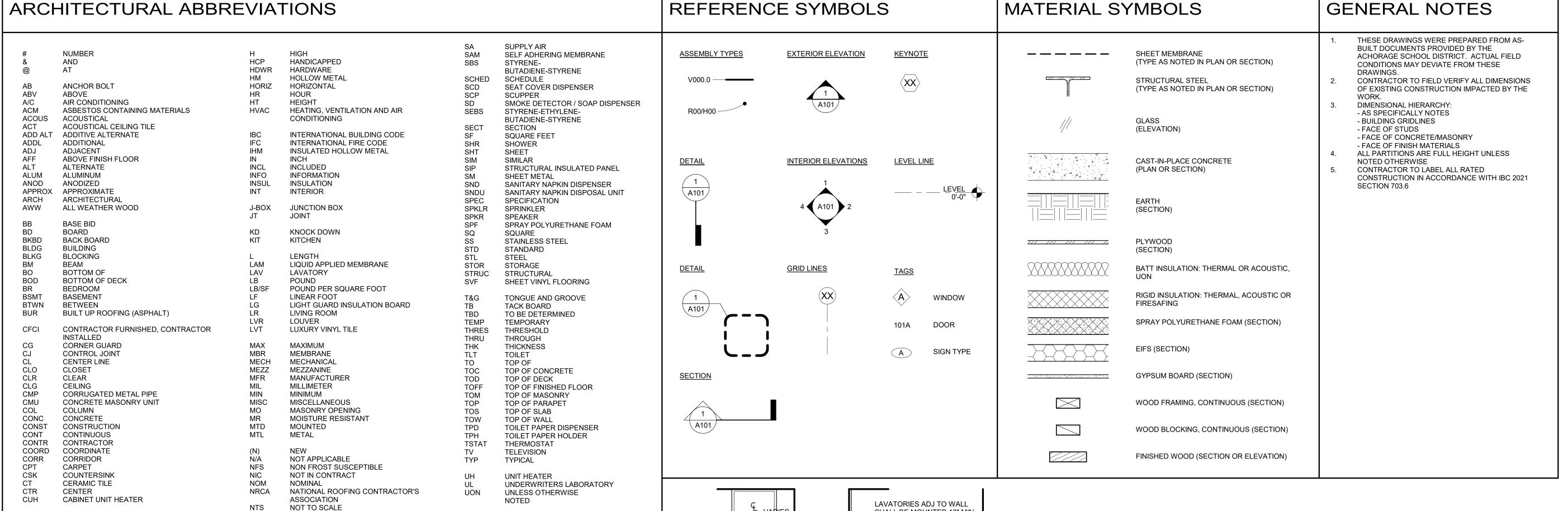
WD

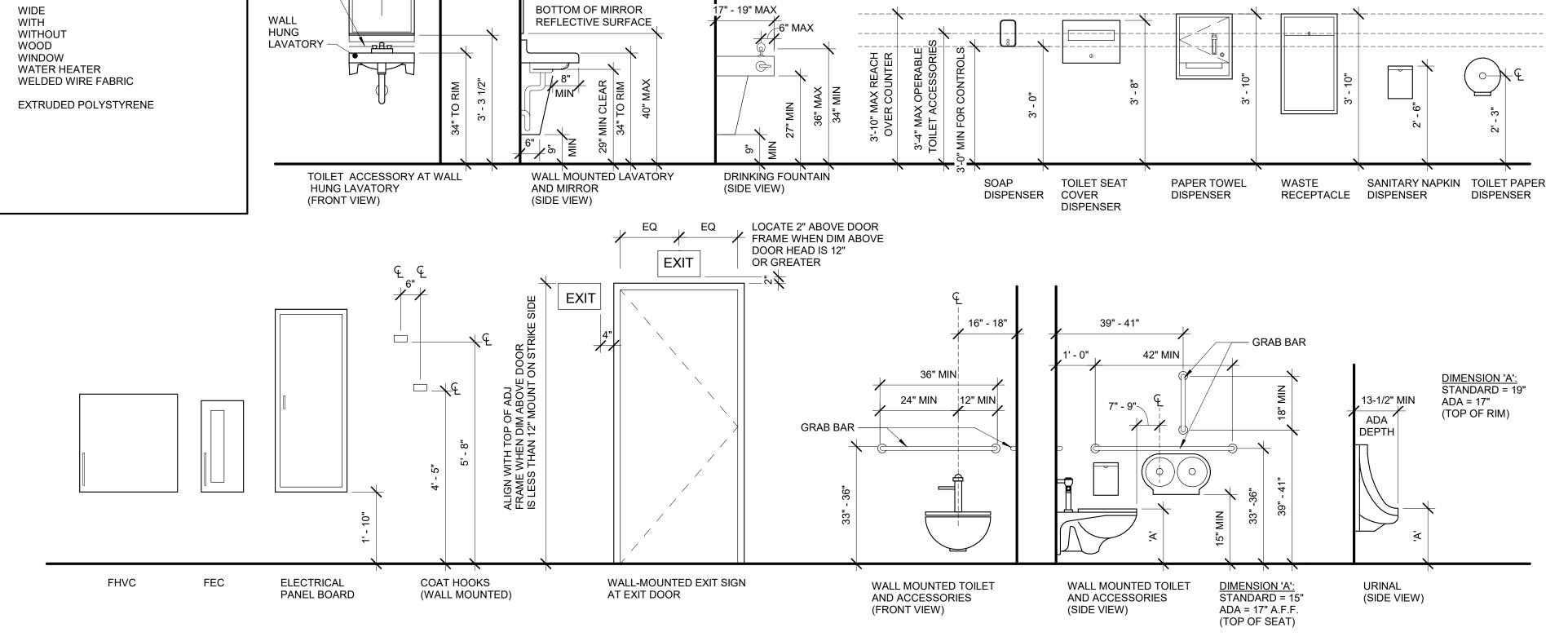
WDW

WH

WWF









ARCHITECTS Architecture | Planning | Roof Tech

3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635

W: www.bdsak.com BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.:

BID DOCUMENTS NOVEMBER 7, 2023

**ABBREVIATIONS** AND SYMBOLS AO.01

Number

GIRLS

GIRLS

BOYS

ABBREVIATIONS: ICB - INTEGRAL COVE BASE

**NOTIFICATION OF POTENTIAL HAZARDS:** Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

NOTIFICATION OF CHILD OCCUPIED FACILITY:
Portions of this building are classified as a Child Occupied Facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1 and 2 for specific information concerning disturbing, removing and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

East

WALLS

South

West

Ceiling

Remarks

SEE INTERIOR ELEVATIONS FOR TILE PATTERN

SEE INTERIOR ELEVATIONS FOR TILE PATTERN

SEE INTERIOR ELEVATIONS FOR TILE PATTERN

SEE INTERIOR ELEVATIONS FOR TILE PATTERN SEE INTERIOR ELEVATIONS FOR TILE PATTERN

	$\star$
	7

Anchorage **School District** 

**REVISIONS** No Description Date

# DOOR SCHEDULE

Door				DO	OOR	FR	AME			Hardware		DETAILS	
Number	Width	Height	Thickness	Type	Material	Type	Material	Fire Rating	Remarks	Group	Head	Jamb	Sill
					•	·							
2000-1	3' - 0"	7' - 0"		G	IHM	2	IHM		ADD ALT 4	HW-1			
NER3	3' - 0"	7' - 0"	I	N/A	N/A				CASED OPENING; ADD ALT 2	NA			
SER1	3' - 0"	7' - 0"	I	N/A	N/A				CASED OPENING; ADD ALT 2	NA			
SER2	3' _ O"	7' - 0"		NI/A	NI/A				CASED OPENING: ADD ALT 2	NΔ			

# **COLOR AND MATERIAL LEGEND**

Room Name Floor Finish

EPOXY-1

EPOXY-1

EPOXY-1

EPOXY-1

EPOXY-1

ROOM FINISH SCHEDULE - ADD ALT 2

ICB

ICB

ICB

North

	CODE	SPEC. NO.	MATERIAL	MANUFACTURER, BASIS OF DESIGN	COLOR / FINISH	REMARKS
INTERIOR	EPOXY-1	09 67 00	EPOXY COATING	SHERWIN WILLIAMS, RESUFLOR DECO FLAKE	1/4" DECO FLAKE MODERN CAMO	
	Ĭ					
┋   "	_					
ц	ц ICB	09 67 00	INTEGRAL COVE BASE	MATCH EPOXY-1	MATCH EPOXY-1	
RAS TRASE	Ś					
=	Ӈ P-1	09 90 00	PAINT	SHERWIN WILLIAMS	SW7004 SNOWBOUND	
14%	TW-1	09 30 00	WALL TILE	MOSA TILES GLOBAL COLLECTION, 4" X 12" WALL TILE	WHITE 13000	FIELD; SATIN FINISH
	TW-2	09 30 00	WALL TILE	MOSA TILES COLORS, 4" X 12" WALL TILE	BRILLIANT BLUE 18910	ACCENT; GLOSS FINISH
	TW-3	09 30 00	WALL TILE	MOSA TILES COLORS, 4" X 12" WALL TILE	SEVRES BLUE 16760	ACCENT; GLOSS FINISH
	TW-4	09 30 00	WALL TILE	MOSA TILES COLORS, 4" X 12" WALL TILE	ACCENT RED 16950	ACCENT; GLOSS FINISH
	WP-1	10 26 00	WALL PROTECTION	KOROSEAL, KOROGUARD SHEETS 4' X 10'	SIMPLY WHITE	
٢	ACT-1	09 51 00	ACOUSTIC CEILING TILE	ARMSTRONG CEILING SYSTEMS, OPTIMA 24" X 48"	WHITE	
UE ING	GB-1	09 21 16	GYPSUM BOARD CEILING		PAINT P-1 UNLESS NOTED OTHERWISE	
ت ا	3					
ر	TP-1	10 21 13	TOILET PARTITION	BRADLEY CORPORATION, BRADMAR SOLID PLASTICS		
N. C.	2					
+						
2						
-						

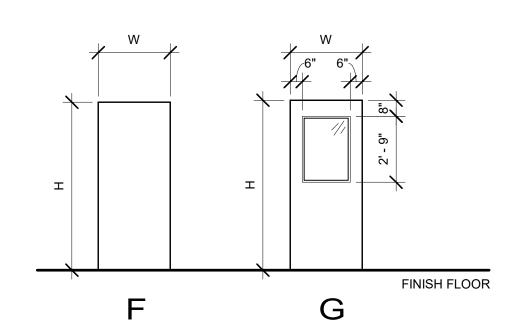
# DOOR SCHEDULE **ABBREVIATIONS**

ALUM ALUMINUM **HOLLOW METAL** INSULATED HOLLOW METAL

NOT APPLICABLE

# DOOR SCHEDULE NOTES

NOTE



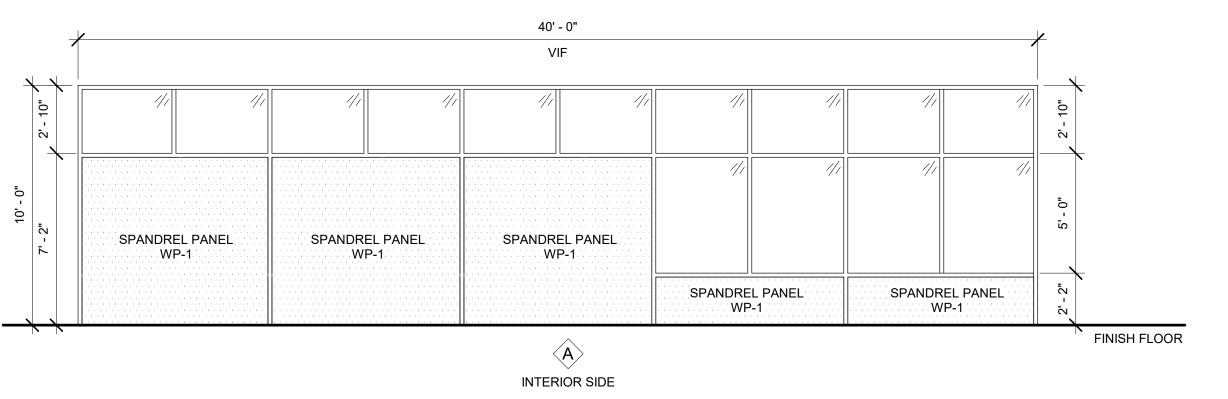


FINISH FLOOR

DOOR AS SCHED

DOOR FRAME TYPES

SCALE: 1/4" = 1'-0"



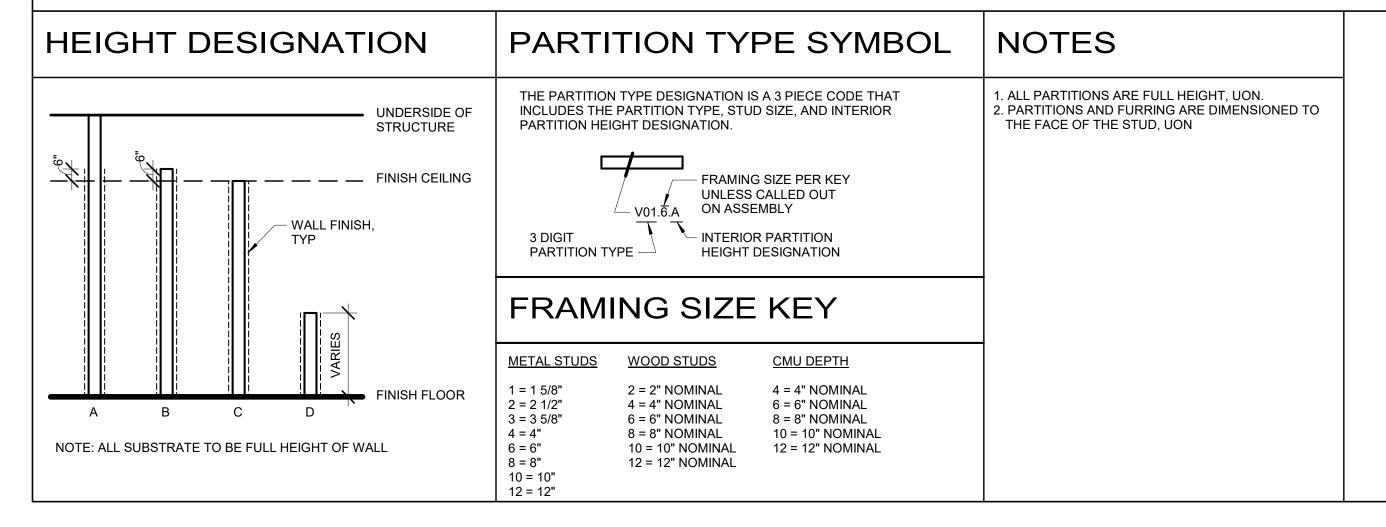
**DOOR TYPES** 

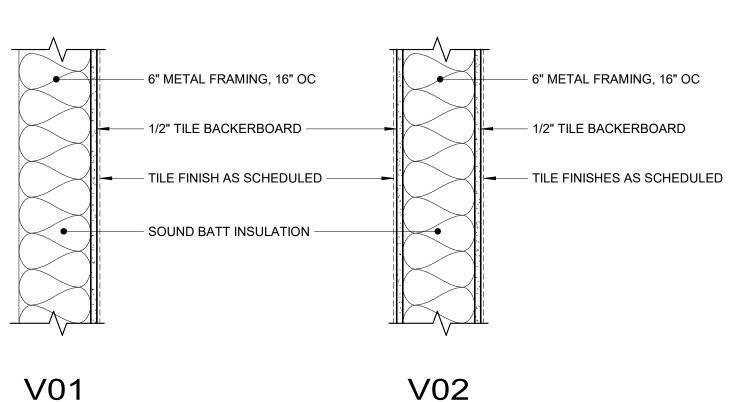
SCALE: 1/4" = 1'-0"

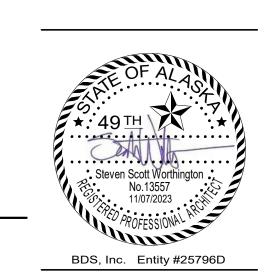
WINDOW TYPES

SCALE: 1/4" = 1'-0"

## **ASSEMBLIES**







• • ARCHITECTS

3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

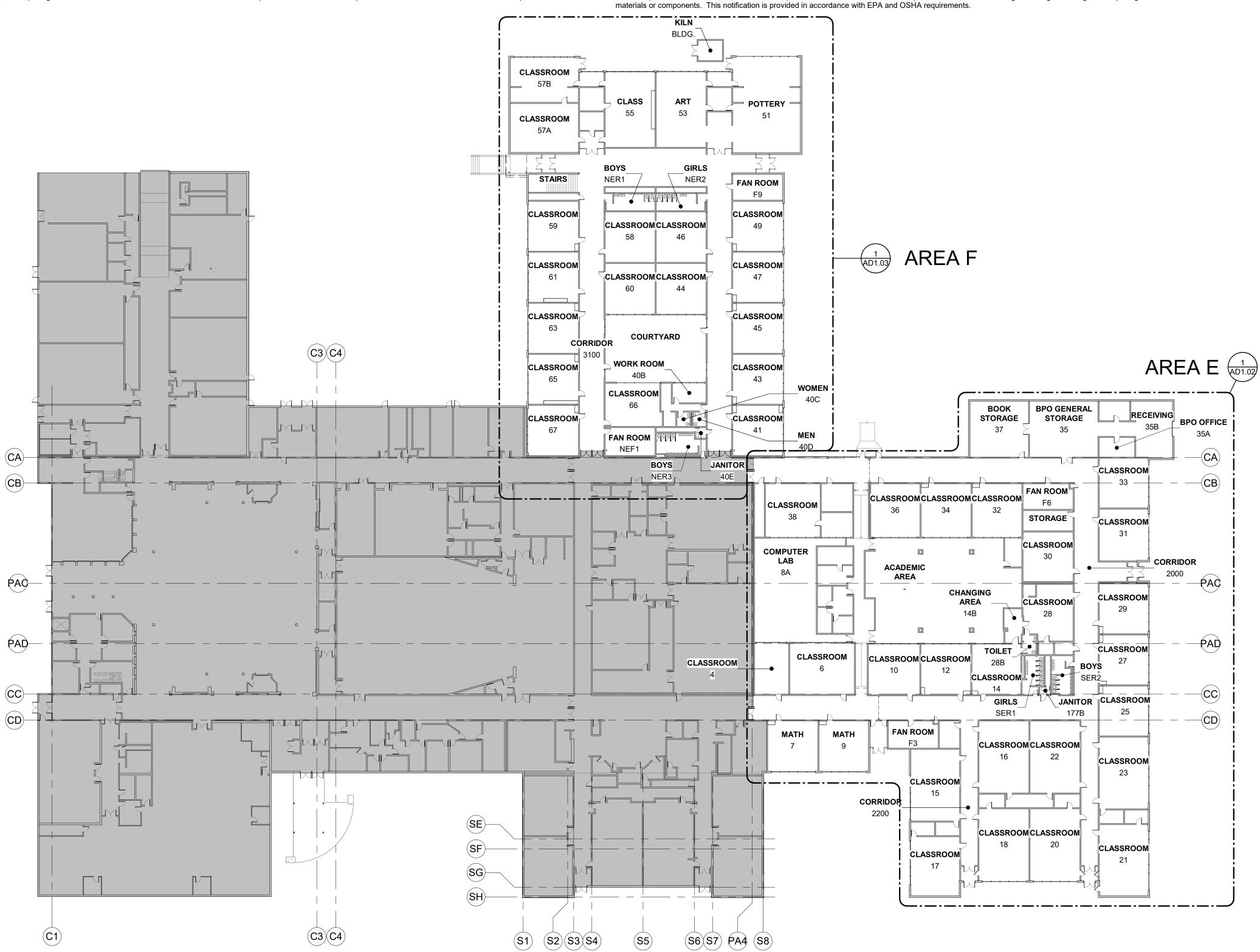
4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 830717

BID DOCUMENTS NOVEMBER 7, 2023

**SCHEDULES ASSEMBLIES** A0.02

NOTIFICATION OF POTENTIAL HAZARDS:

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NOTES

1. NOTE.

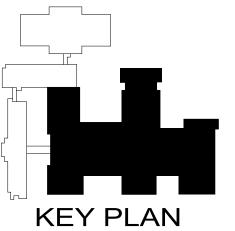
KEYNOTES

NUMBER KEYNOTE

Anchorage School District

REVISIONS

No Description Date





ARCHITECTS
Architecture | Planning | Roof Technology

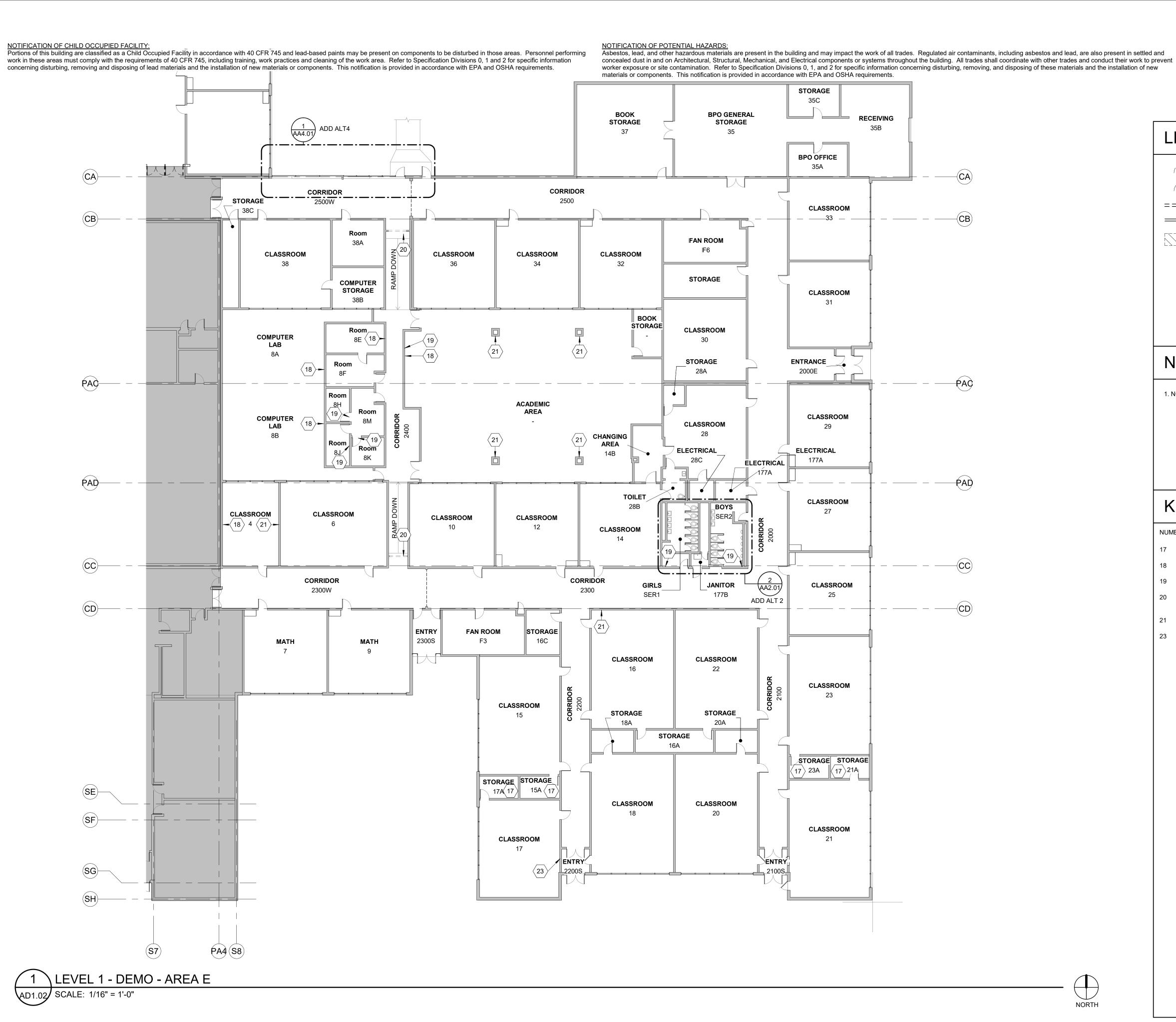
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T: 907.562.6076 | F: 907.562.6635
W: www.bdsak.com

BETTYE DAVIS EAST
ANCHORAGE HIGH SCHOOL
SAFETY UPGRADES
ACADEMIC AREA
4025 E Northern Lights

BDS Project No.: 418001.002 ASD Project No.: 830717

BID DOCUMENTS NOVEMBER 7, 2023

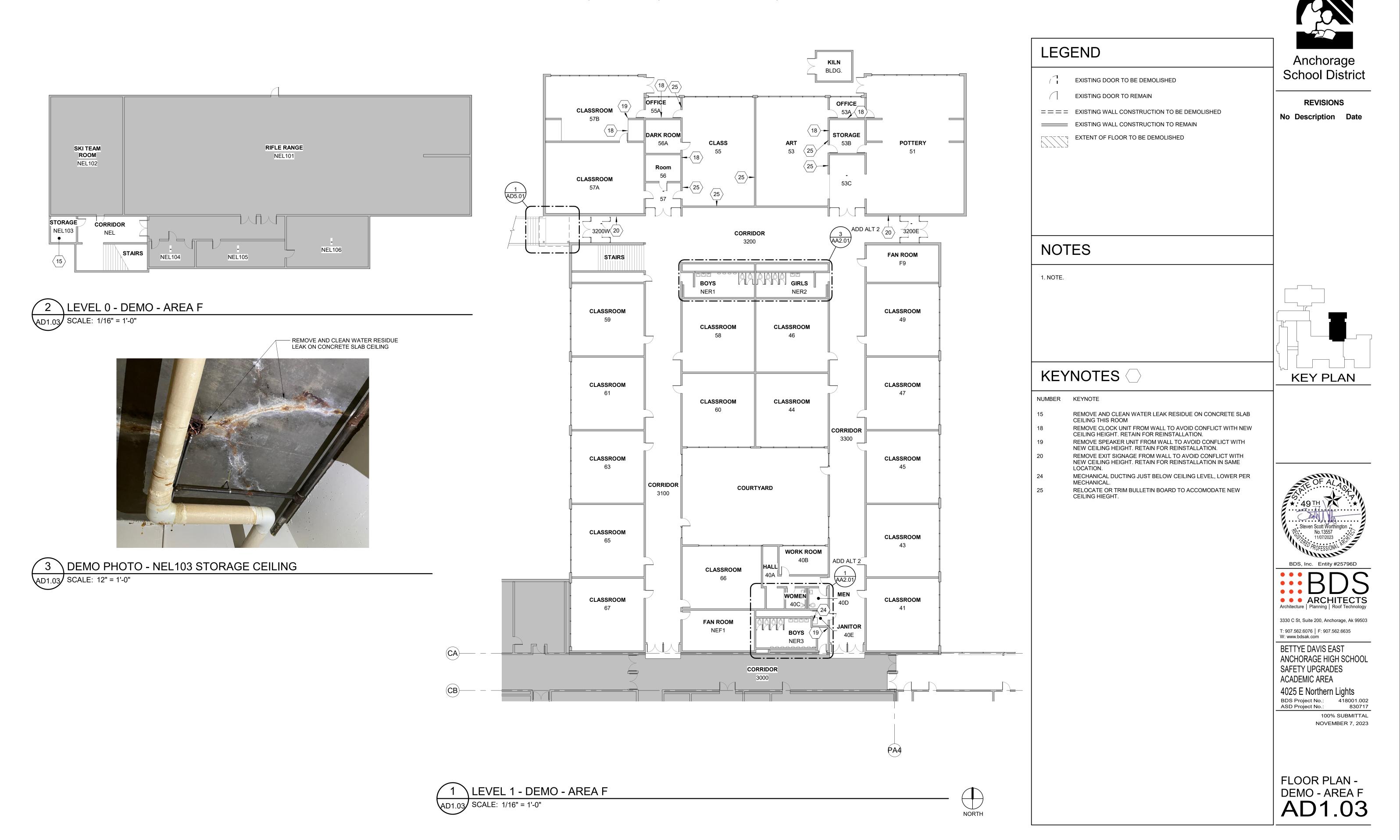
OVERALL
FLOOR PLAN DEMO
AD1.01

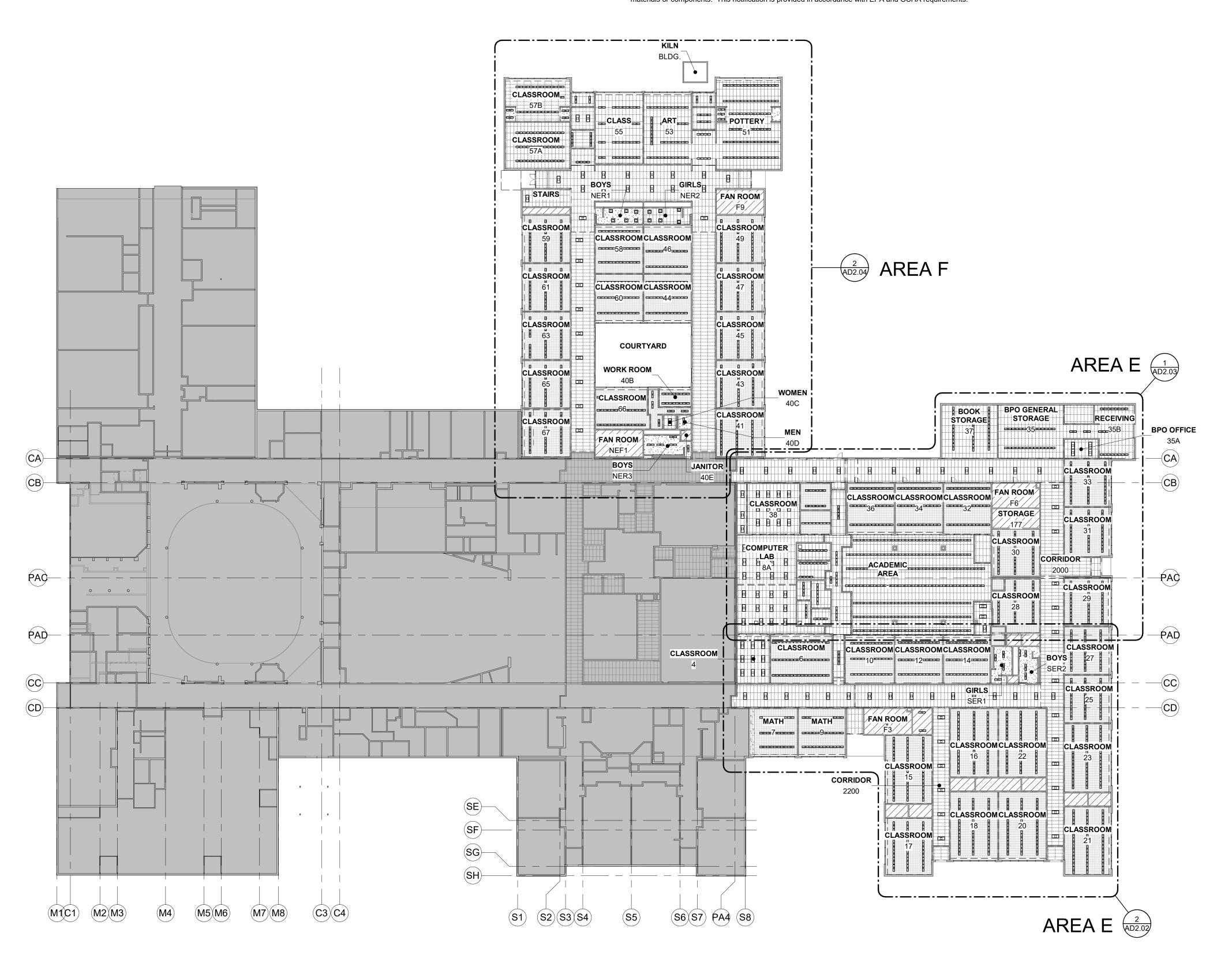


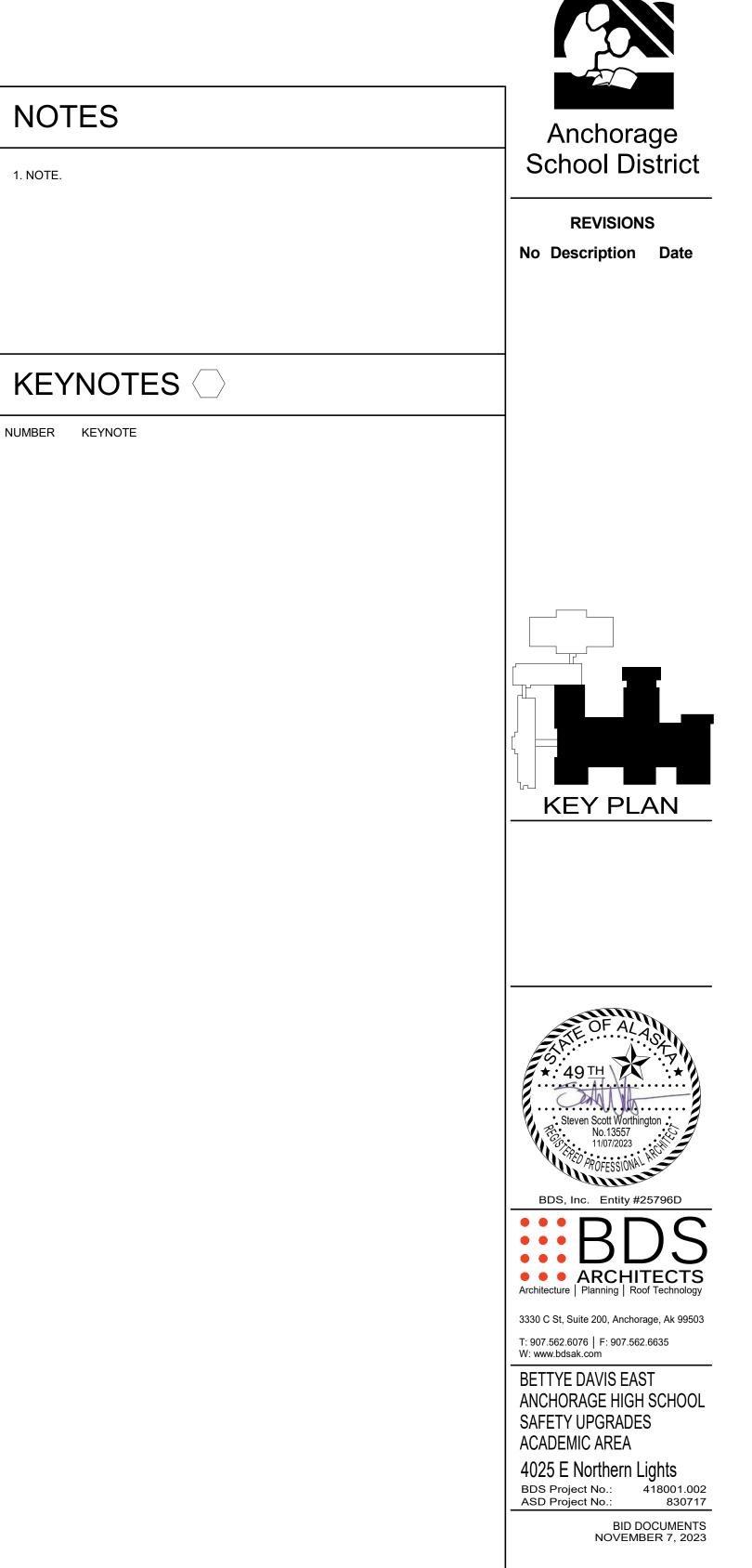
**LEGEND** Anchorage School District EXISTING DOOR TO BE DEMOLISHED EXISTING DOOR TO REMAIN **REVISIONS** = = = EXISTING WALL CONSTRUCTION TO BE DEMOLISHED No Description Date EXISTING WALL CONSTRUCTION TO REMAIN EXTENT OF FLOOR TO BE DEMOLISHED NOTES 1. NOTE. KEYNOTES ( **KEY PLAN** NUMBER KEYNOTE REMOVE ALL SHELVING AND FURNITURE FROM ROOM. RETAIN TO BE RE-INSTALLED AT COMPLETION OF WORK. REMOVE CLOCK UNIT FROM WALL TO AVOID CONFLICT WITH NEW CEILING HEIGHT. RETAIN FOR REINSTALLATION. REMOVE SPEAKER UNIT FROM WALL TO AVOID CONFLICT WITH NEW CEILING HEIGHT. RETAIN FOR REINSTALLATION. REMOVE EXIT SIGNAGE FROM WALL TO AVOID CONFLICT WITH NEW CEILING HEIGHT. RETAIN FOR REINSTALLATION IN SAME REMOVE LIGHTING UNIT FROM WALL TO AVOID CONFLICT WITH NEW CEILING HEIGHT. RETAIN FOR REINSTALLATION. REMOVE ELECTRICAL DEVICE FROM WALL TO AVOID CONFLICT WITH NEW CEILING HEIGHT. RETAIN FOR REINSTALLATION. . Steven Scott Worthington BDS, Inc. Entity #25796D • • ARCHITECTS Architecture | Planning | Roof Technolo 3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA 4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 830717 BID DOCUMENTS NOVEMBER 7, 2023 FLOOR PLAN -DEMO - AREA E AD1.02

NOTIFICATION OF POTENTIAL HAZARDS:

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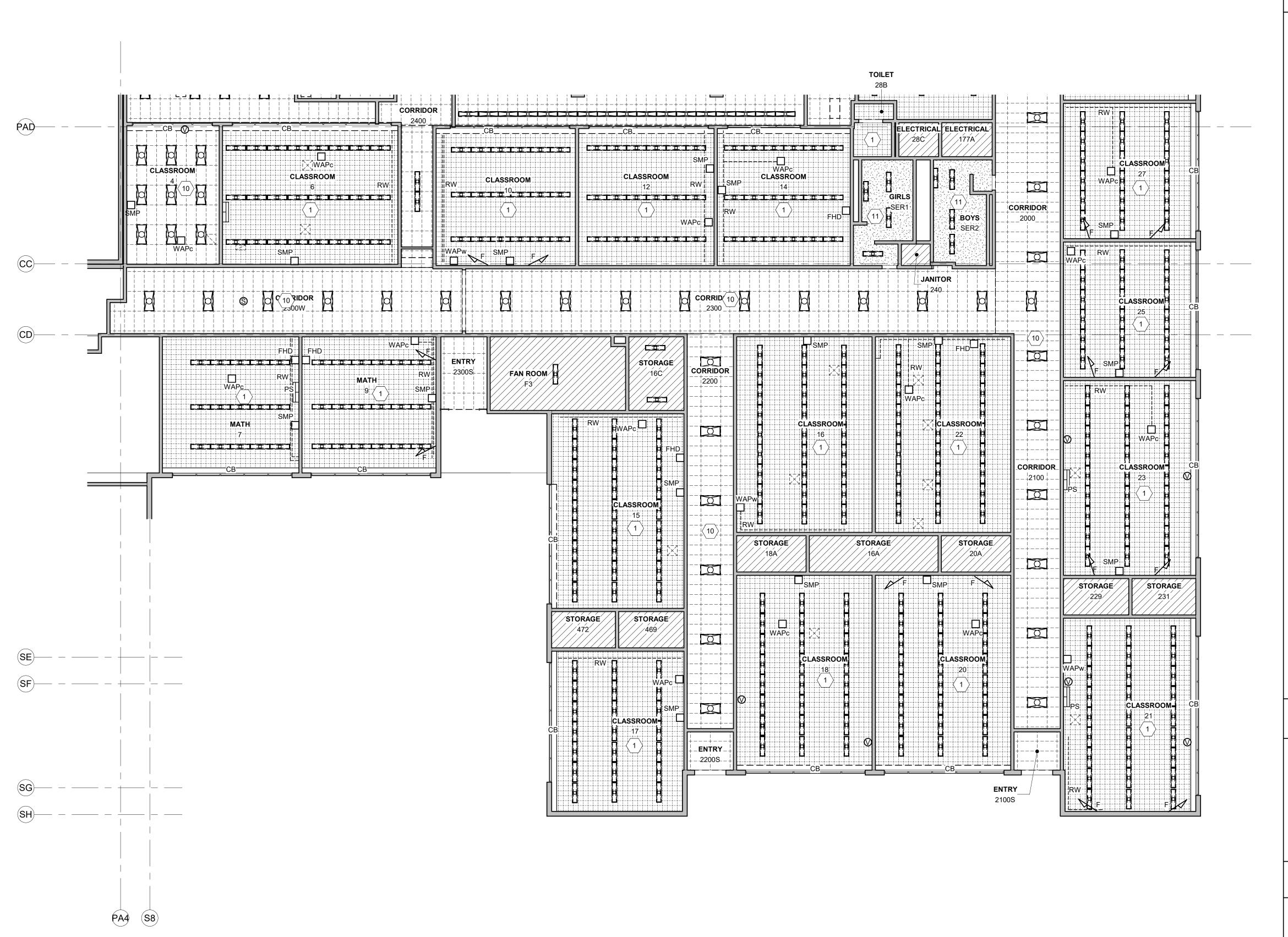
NORTH

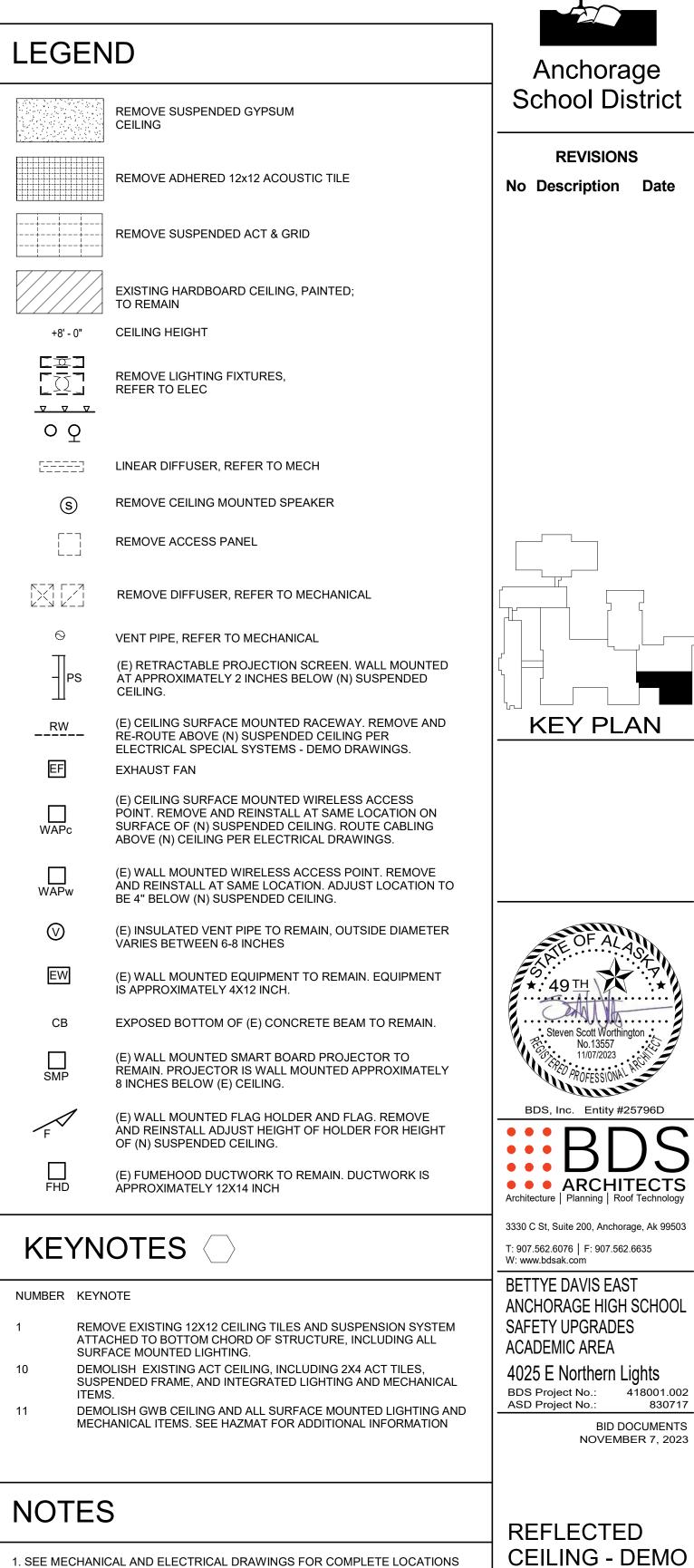
**OVERALL** 

REFLECTED

CEILING - DEMO

AD2.01





AND FIXTURES FOR EACH DISCIPLINE.

NORTH

**REVISIONS** 

No.13557 11/07/2023

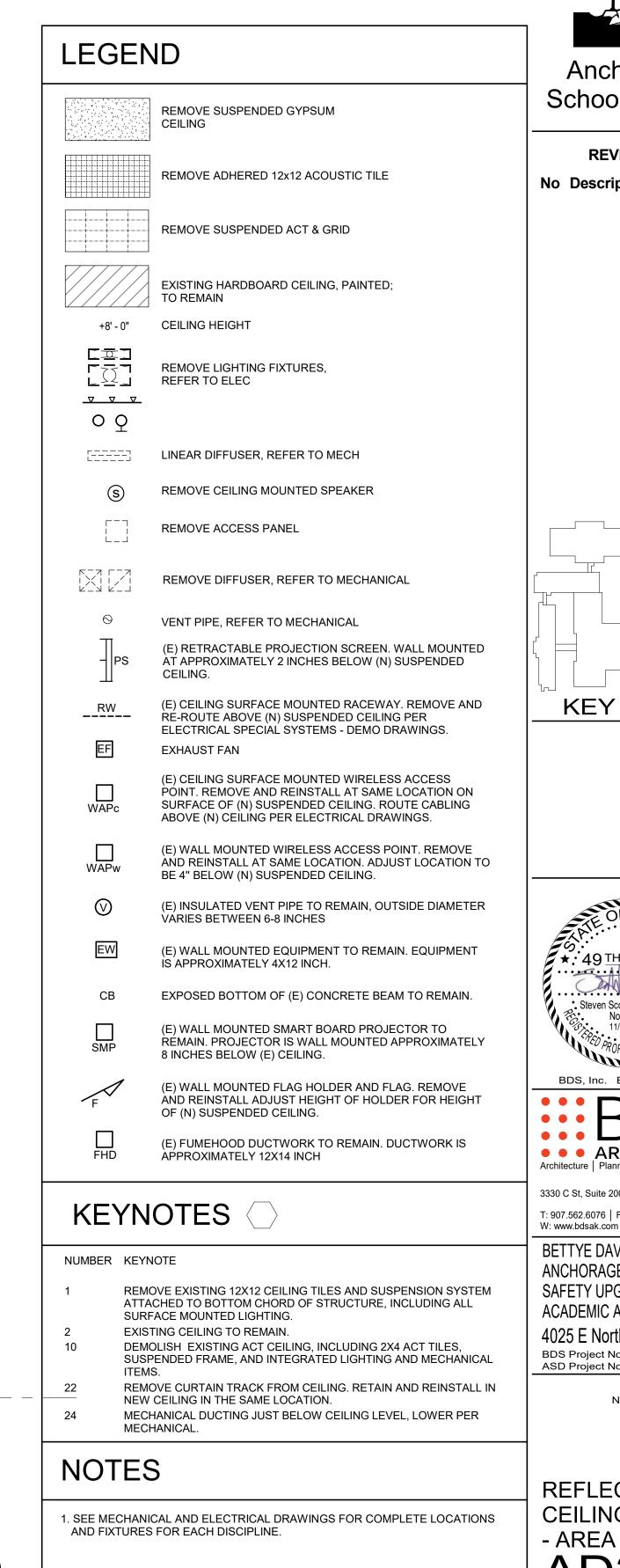
830717

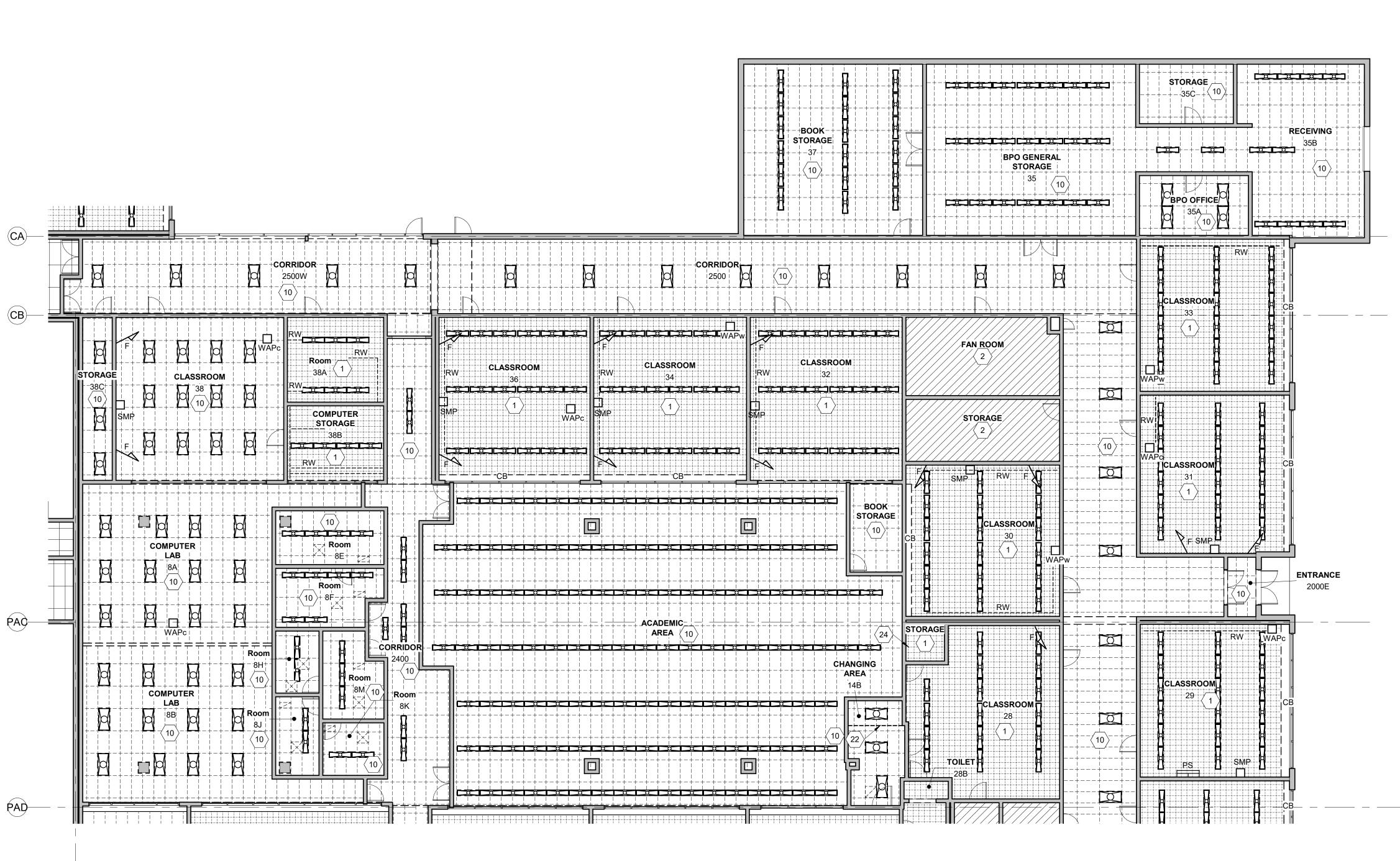
BID DOCUMENTS NOVEMBER 7, 2023

- AREA E

AD2.02

2 \ LEVEL 1 - DEMO - REFLECTED CEILING PLAN - AREA E AD2.02 SCALE: 3/32" = 1'-0"





Anchorage **School District** 

**REVISIONS** 

No Description Date

**KEY PLAN** 

. Steven Scott Worthington .; No.13557 11/07/2023 PROFESSIONAL ARCO BDS, Inc. Entity #25796D

• • ARCHITECTS Architecture | Planning | Roof Tech

3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

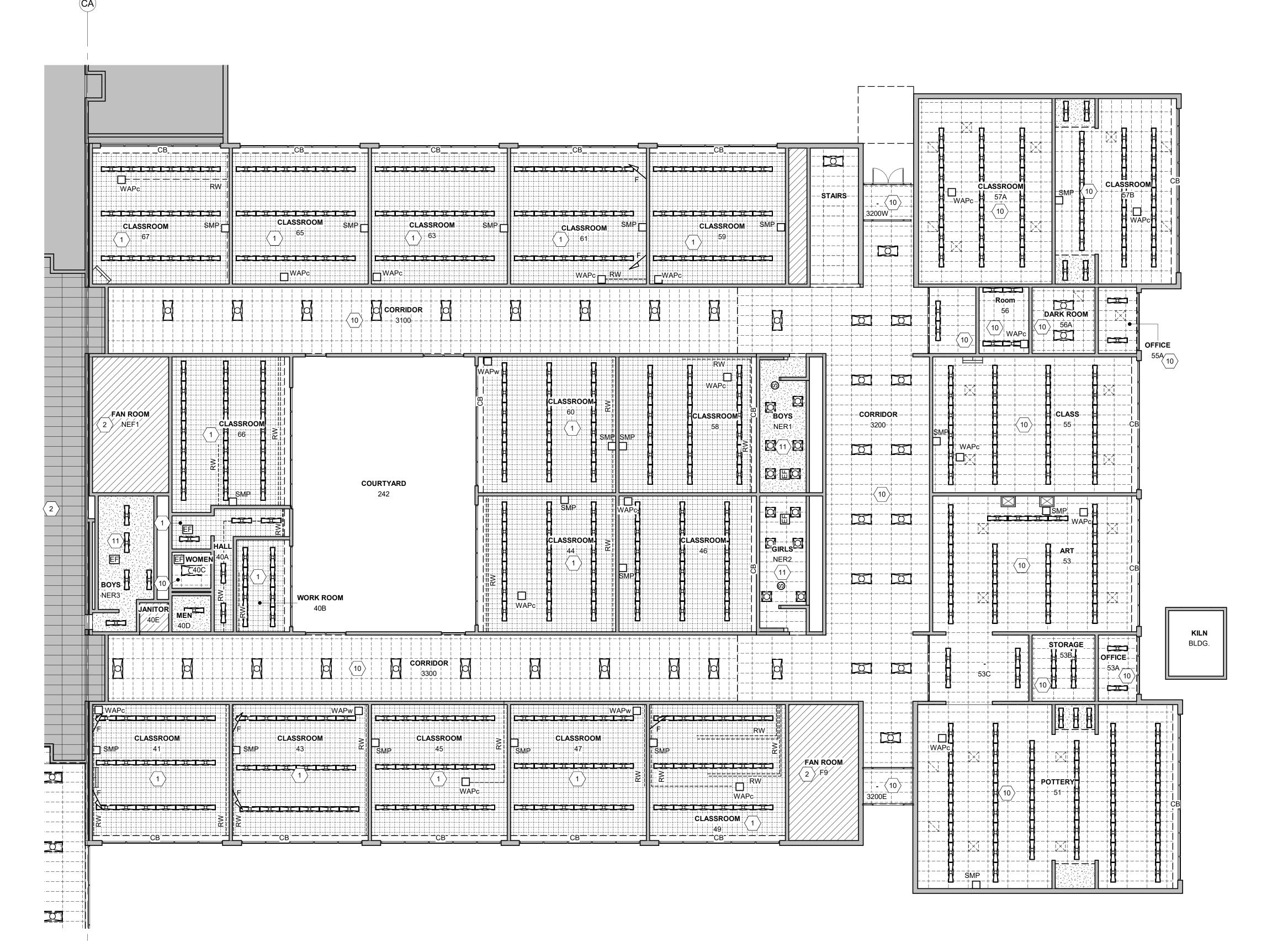
4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 830717

BID DOCUMENTS

NOVEMBER 7, 2023

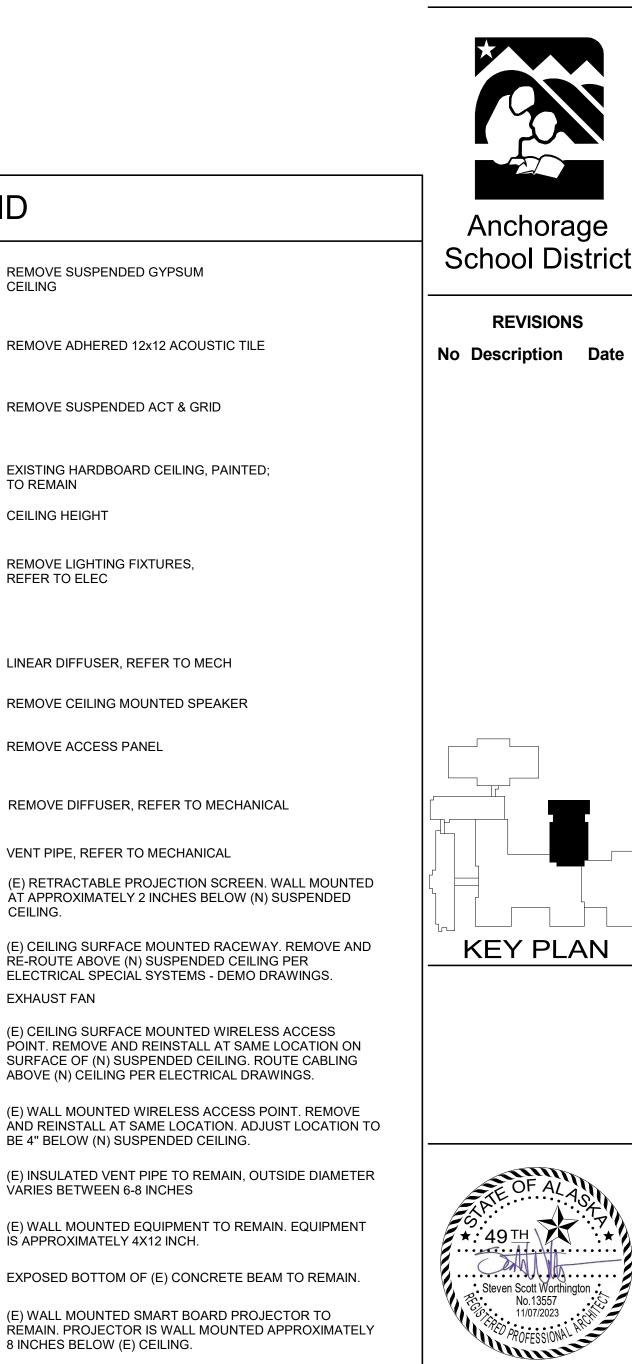
REFLECTED **CEILING - DEMO** - AREA E AD2.03

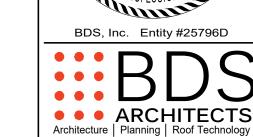
NORTH



NOTE: PLAN NORTH HAS BEEN ROTATED FROM SHEET AD2.01 ORIENTATION







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W: www.bdsak.com BETTYE DAVIS EAST

ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA 4025 E Northern Lights

DEMOLISH EXISTING ACT CEILING, INCLUDING 2X4 ACT TILES, SUSPENDED FRAME, AND INTEGRATED LIGHTING AND MECHANICAL

REMOVE EXISTING 12X12 CEILING TILES AND SUSPENSION SYSTEM

ATTACHED TO BOTTOM CHORD OF STRUCTURE, INCLUDING ALL

DEMOLISH GWB CEILING AND ALL SURFACE MOUNTED LIGHTING AND MECHANICAL ITEMS. SEE HAZMAT FOR ADDITIONAL INFORMATION

### **NOTES**

NUMBER KEYNOTE

**LEGEND** 

 $\nabla$   $\nabla$   $\nabla$ 0 9

REMOVE SUSPENDED GYPSUM

REMOVE ADHERED 12x12 ACOUSTIC TILE

EXISTING HARDBOARD CEILING, PAINTED;

REMOVE SUSPENDED ACT & GRID

REMOVE LIGHTING FIXTURES,

LINEAR DIFFUSER, REFER TO MECH

VENT PIPE, REFER TO MECHANICAL

BE 4" BELOW (N) SUSPENDED CEILING.

VÁRIES BETWEEN 6-8 INCHES

IS APPROXIMATELY 4X12 INCH.

8 INCHES BELOW (E) CEILING.

OF (N) SUSPENDED CEILING.

APPROXIMATELY 12X14 INCH

KEYNOTES  $\bigcirc$ 

SURFACE MOUNTED LIGHTING.

EXISTING CEILING TO REMAIN.

(E) WALL MOUNTED FLAG HOLDER AND FLAG. REMOVE AND REINSTALL ADJUST HEIGHT OF HOLDER FOR HEIGHT

(E) FUMEHOOD DUCTWORK TO REMAIN. DUCTWORK IS

REMOVE ACCESS PANEL

EXHAUST FAN

REMOVE CEILING MOUNTED SPEAKER

CEILING

TO REMAIN

CEILING HEIGHT

REFER TO ELEC

1. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR COMPLETE LOCATIONS AND FIXTURES FOR EACH DISCIPLINE.

BDS Project No.: 418001.002 ASD Project No.: 830717 BID DOCUMENTS

NOVEMBER 7, 2023

REFLECTED **CEILING PLAN** 

AREA F AD2.04



Anchorage School District

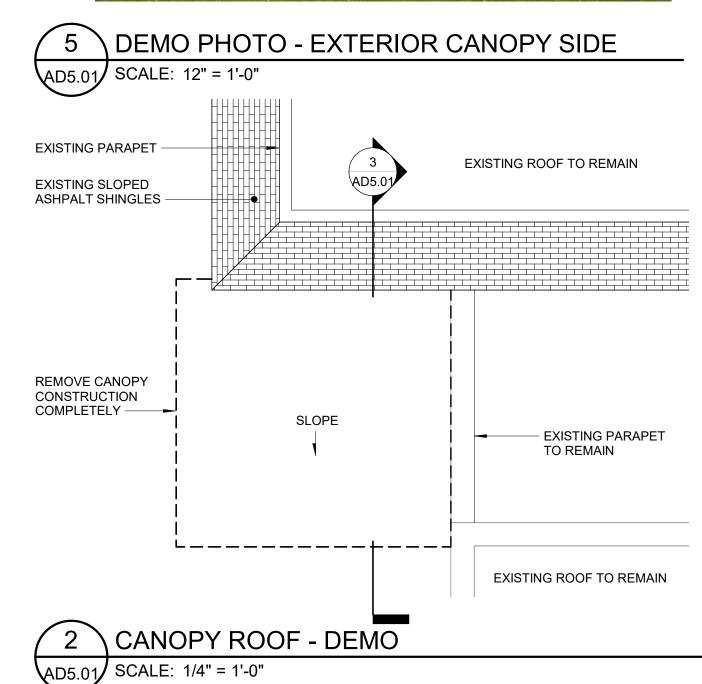
**REVISIONS** No Description Date



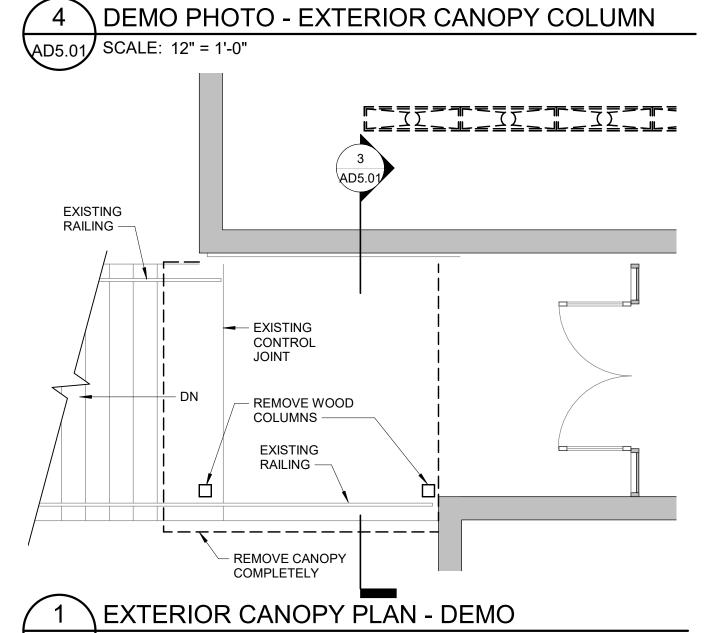
\ DEMO PHOTO - EXTERIOR CANOPY AD5.01 SCALE: 12" = 1'-0"











SCALE: 1/4" = 1'-0"



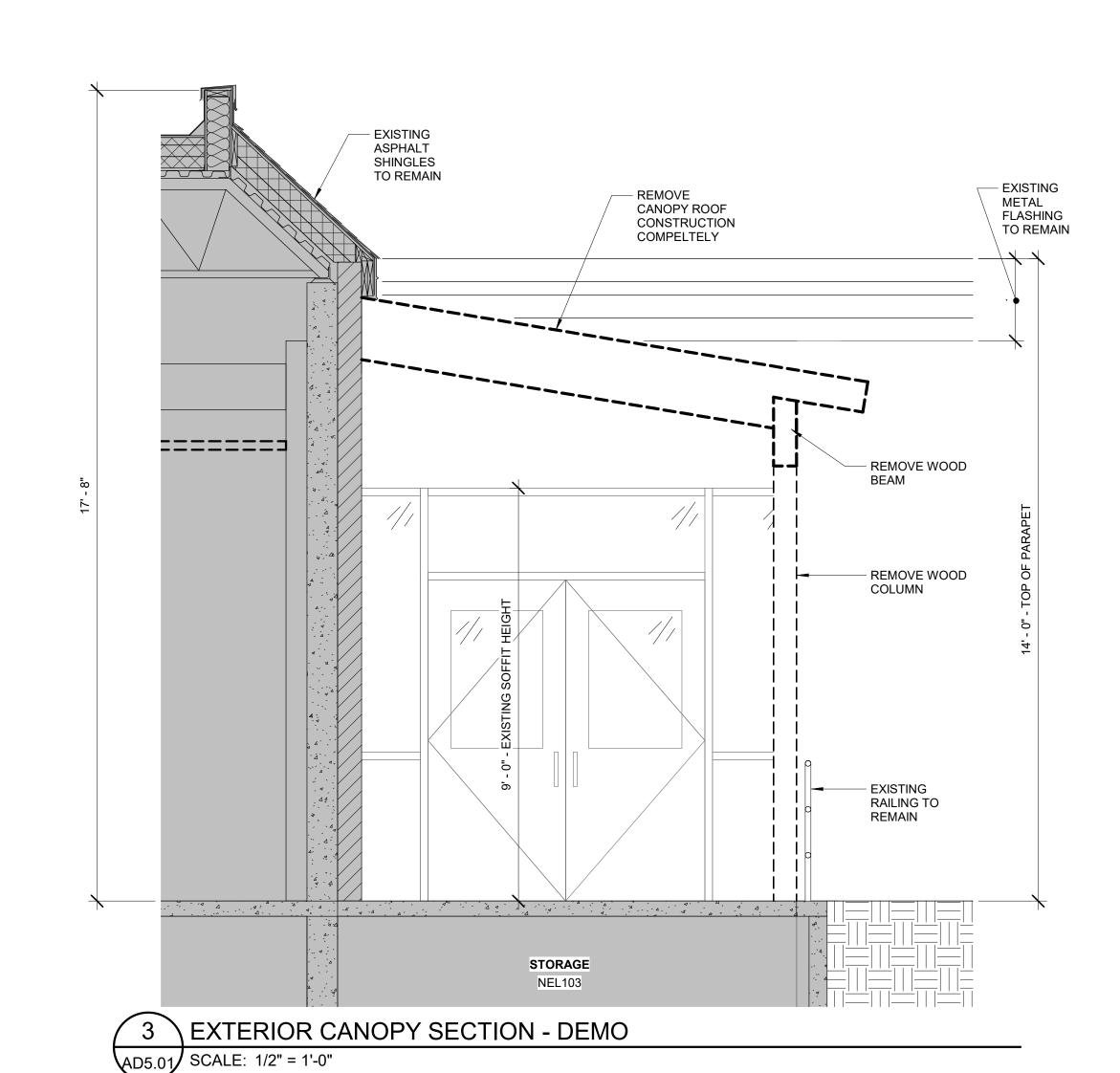
**KEY PLAN** 

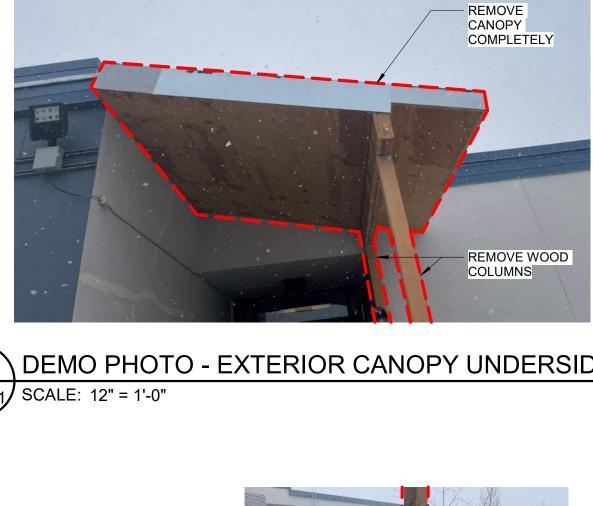
BDS, Inc. Entity #25796D • • ARCHITECTS 3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL

SAFETY UPGRADES ACADEMIC AREA 4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 830717

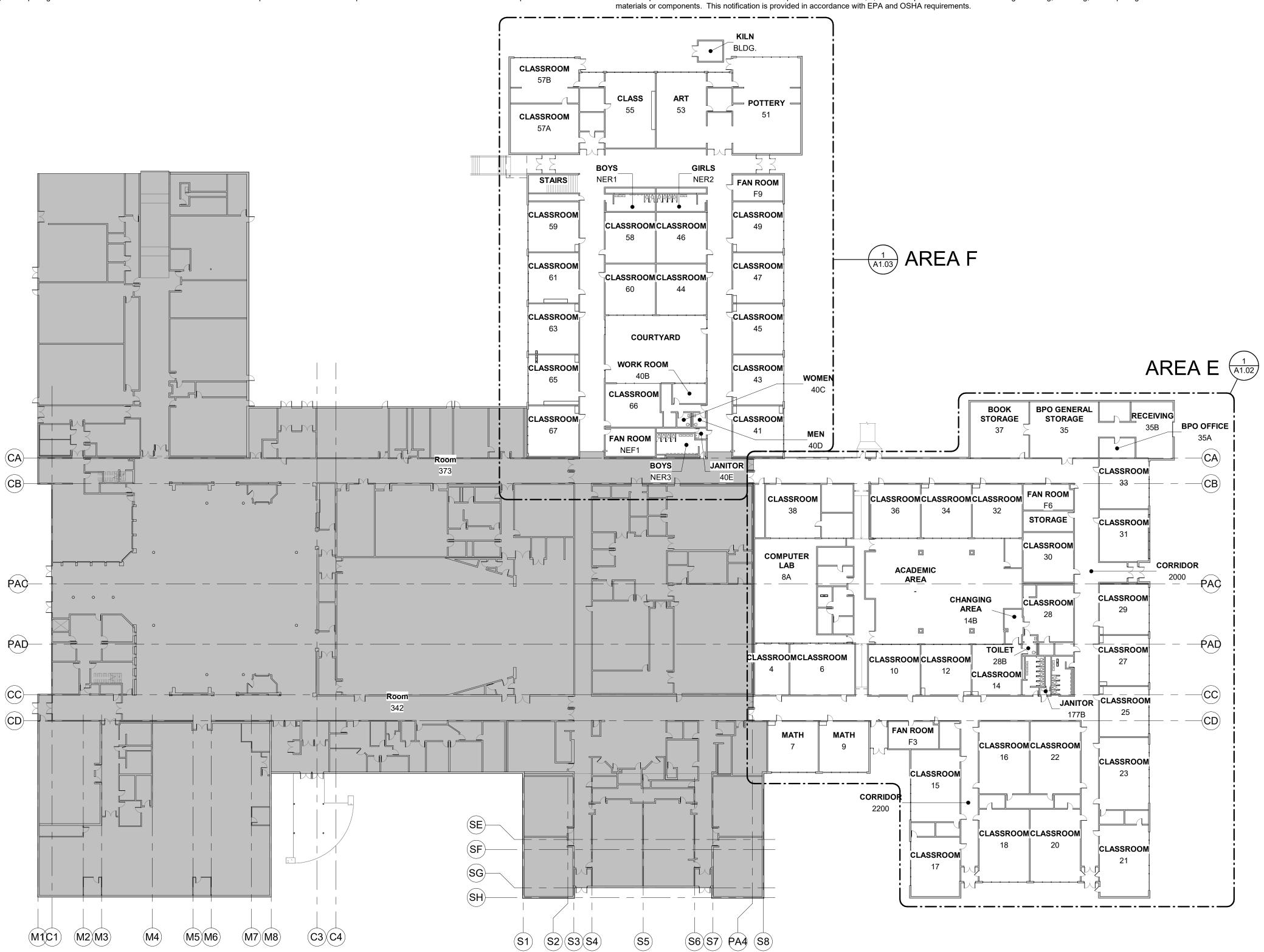
**BID DOCUMENTS** NOVEMBER 7, 2023

**ENLARGED** DRAWINGS -DEMO AD5.01





NOTIFICATION OF POTENTIAL HAZARDS: Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of these materials and the installation of new



**NOTES** Anchorage School District 1. NOTE. No Description Date KEYNOTES  $\bigcirc$ 

NUMBER KEYNOTE

NORTH

**KEY PLAN** 

**REVISIONS** 



• • ARCHITECTS
Architecture | Planning | Roof Technology

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BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 830717

**BID DOCUMENTS** NOVEMBER 7, 2023

**OVERALL** FLOOR PLAN -NEW A1.01

NOTIFICATION OF CHILD OCCUPIED FACILITY:
Portions of this building are classified as a Child Occupied Facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing NOTIFICATION OF POTENTIAL HAZARDS: Asbestos, lead, and other hazardous materials are present in the building and may impact the work of all trades. Regulated air contaminants, including asbestos and lead, are also present in settled and work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1 and 2 for specific information concerning disturbing, removing and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements. concealed dust in and on Architectural, Structural, Mechanical, and Electrical components or systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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. STORAGE 35C BOOK **BPO GENERAL** RECEIVING STORAGE STORAGE 35B **BPO OFFICE** CORRIDOR CLASSROOM CB **(124)** ⟨126⟩→ **FAN ROOM** CLASSROOM CLASSROOM CLASSROOM CLASSROOM STORAGE 126 38C (126) -STORAGE COMPUTER 177 STORAGE CLASSROOM 38B CORRIDOR STORAGE CLASSROOM **COMPUTER** LAB **ACADEMIC** STORAGE **ENTRANCE AREA** 2000E Room 23 Room≡ CLASSROOM **CHANGING** COMPUTER CLASSROOM 29 AREA Room 14B 2400 Room **ELECTRICAL** 28C ELECTRICAL PAD PAD TOILET (126)-CLASSROOM CLASSROOM CLASSROOM CLASSROOM BOYS (126) √126> -124 **CORRIDOR** CORRIDOR CLASSROOM **JANITOR** 2300 177B 2300W CD CD (126) **FAN ROOM ENTRY** STORAGE 2300S 16C CLASSROOM CLASSROOM 22 CLASSROOM CLASSROOM STORAGE STORAGE 20A STORAGE STORAGE STORAGE SE 21A CLASSROOM CLASSROOM STORAGE (SF) CLASSROOM CLASSROOM ENTRY \_ 2100S⊥ SG

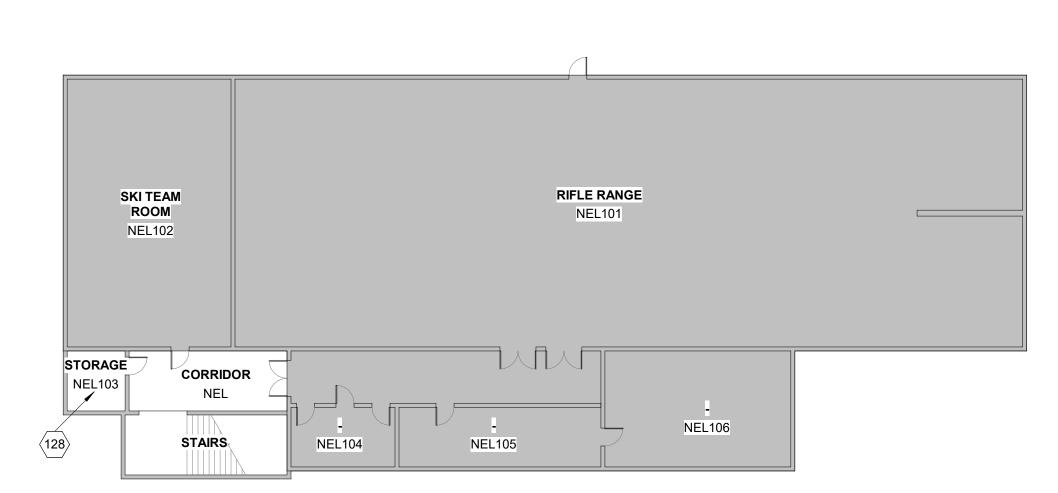
Anchorage School District **EXISTING DOOR NEW DOOR REVISIONS** EXISTING WALL CONSTRUCTION No Description Date NEW WALL CONSTRUCTION LATERAL SUPPORT AT TOP AND BOTTOM OF EXISTING CMU WALL PER STRUCTURAL. REFERENCE DETAILS 1/S1.01 (TOP) AND 2/S1.10 (BOTTOM) LATERAL SUPPORT AT TOP OF EXISTING CMU WALL PER STRUCTURAL. REFERENCE DETAIL 1/S1.01 **NOTES** 1. NOTE. KEYNOTES **KEY PLAN** NUMBER KEYNOTE REMOVE ELECTRICAL DEVICE FROM WALL TO AVOID CONFLICT WITH NEW CEILING HEIGHT. RETAIN FOR REINSTALLATION. FURNITURE SHELVING TO BE MOVED FROM ROOM DURING COURSE OF WORK. LEGS TO BE SHIMMED TO ACCOMODATE NEW STRUCTURAL ANGLES ALONG WALLS, AND SHIM AS REQUIRED TO ATTACH BACK TO WALL. CASEWORK AND CABINETRY TO REMAIN IN PLACE STRUCTURAL REINFORCEMENT AT BASE OF WALL TO STOP SHORT OF CASEWORK, APROXIMATELY 25 LF FROM EXTERIOR WALLS AS INDICATED. STRUCTURAL BASE REINFORCEMENT TO BE INSTALLED ON THIS SIDE OF WALL. STRUCTURAL REINFORCEMENT WORK BASE BID ONLY. SEE ADD ALT 2 FOR ALTERNATIVE WALL WORK. . Steven Scott Worthington BDS, Inc. Entity #25796D ARCHITECTS Architecture | Planning | Roof Tech 3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA 4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 830717 BID DOCUMENTS NOVEMBER 7, 2023 FLOOR PLAN -

NEW - AREA E
A1.02

**LEGEND** 

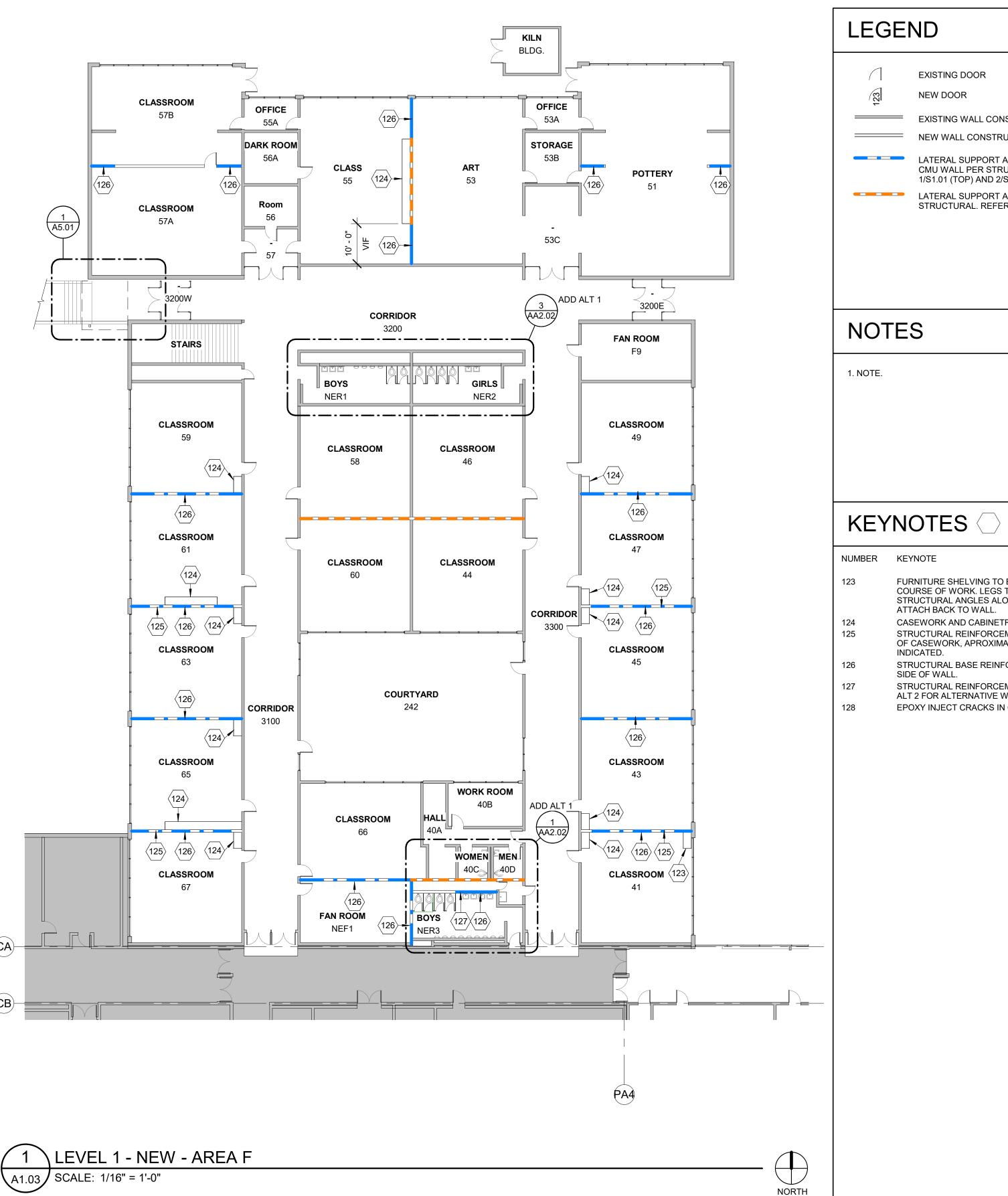
NORTH

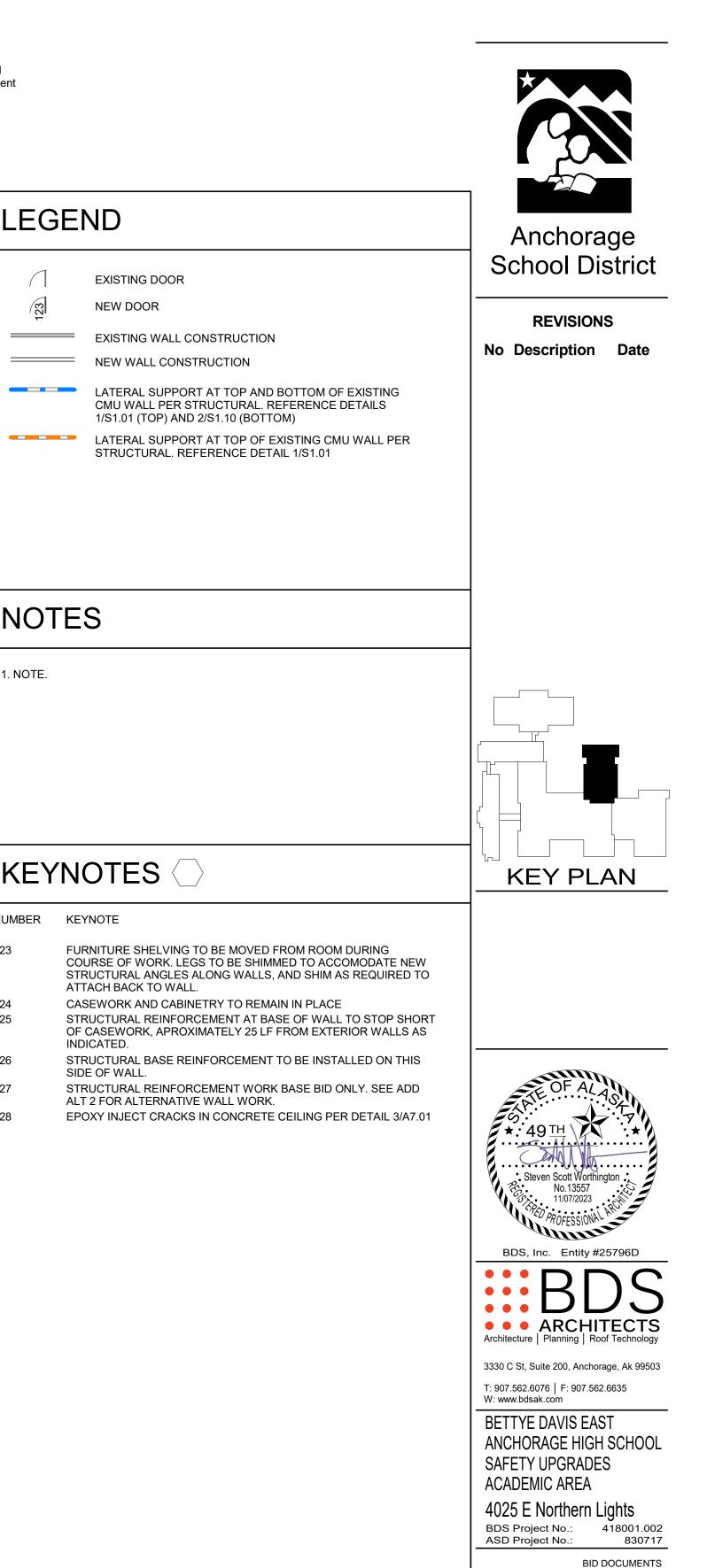
1 LEVEL 1 - NEW - AREA E A1.02 SCALE: 1/16" = 1'-0" NOTIFICATION OF POTENTIAL HAZARDS: Asbestos, lead, and other hazardous materials are present in the building and may impact the work of all trades. Regulated air contaminants, including asbestos and lead, are also present in settled and concealed dust in and on Architectural, Structural, Mechanical, and Electrical components or systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.



LEVEL 0 - NEW - AREA F

A1.03 SCALE: 1/16" = 1'-0"





NOVEMBER 7, 2023

FLOOR PLAN -

NEW - AREA F

**EXISTING DOOR** 

EXISTING WALL CONSTRUCTION

1/S1.01 (TOP) AND 2/S1.10 (BOTTOM)

STRUCTURAL. REFERENCE DETAIL 1/S1.01

NEW WALL CONSTRUCTION

**NEW DOOR** 

ATTACH BACK TO WALL.

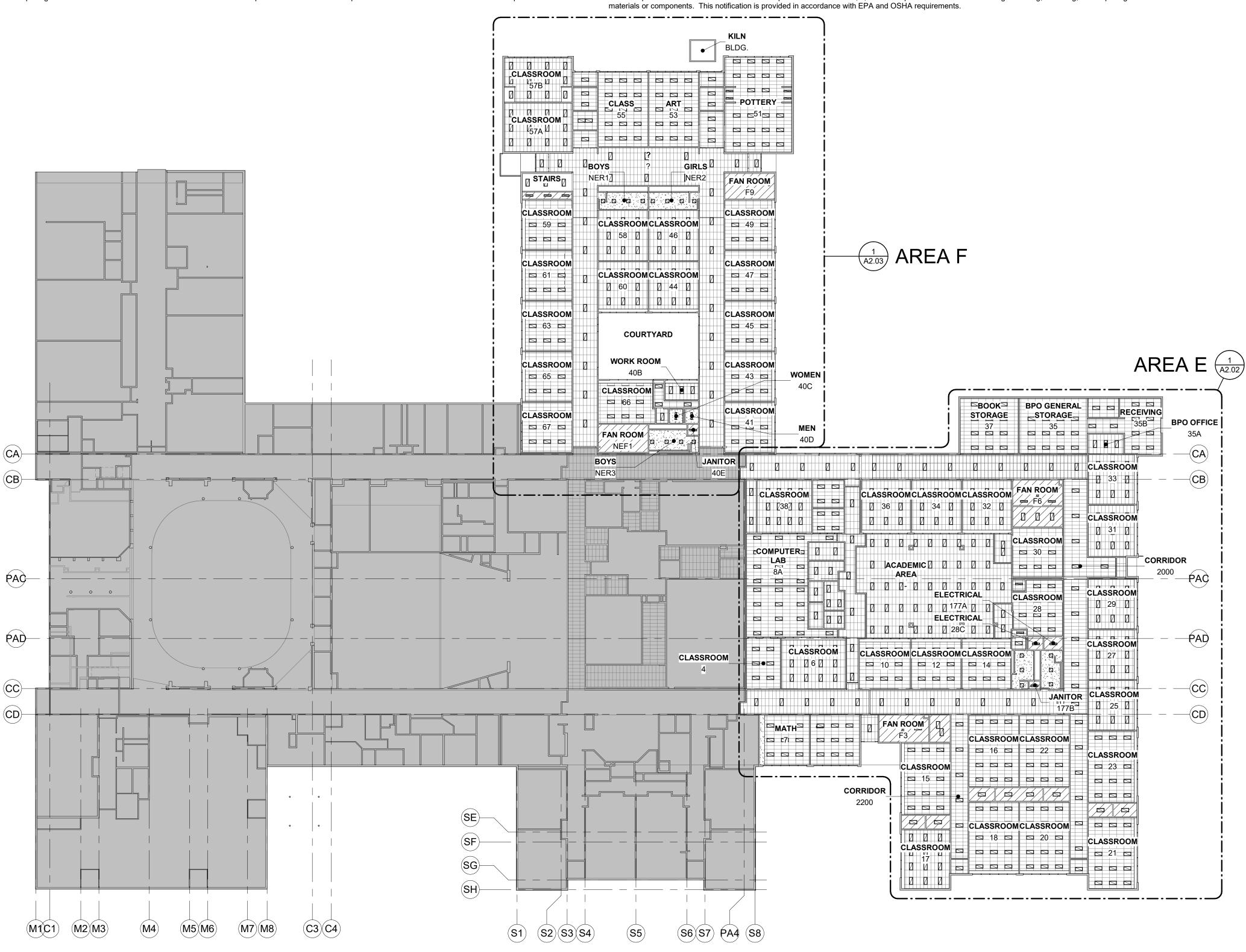
SIDE OF WALL.

CASEWORK AND CABINETRY TO REMAIN IN PLACE

ALT 2 FOR ALTERNATIVE WALL WORK.

concerning disturbing, removing and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

**NOTIFICATION OF POTENTIAL HAZARDS:** Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of these materials and the installation of new



**NOTES** 1. NOTE. No Description Date KEYNOTES  $\bigcirc$ NUMBER KEYNOTE

NORTH

**KEY PLAN** 

Anchorage

**School District** 

**REVISIONS** 



• • ARCHITECTS Architecture | Planning | Roof Technolog

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BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA 4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 830717

**BID DOCUMENTS** NOVEMBER 7, 2023

**OVERALL** REFLECTED **CEILING PLAN -**NEW A2.01

**NOTIFICATION OF POTENTIAL HAZARDS** NOTIFICATION OF CHILD OCCUPIED FACILITY: Portions of this building are classified as a Child Occupied Facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1 and 2 for specific information concerning disturbing, removing and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements. materials or components. This notification is provided in accordance with EPA and OSHA requirements. BPO GENERAL STORAGE RECEIVING STORAGE 35A <u>--+9' - 10"</u> A7.01 |/|CORRIDOR| ∐CLASSROOMĽ Room FAN ROOM 100 130 CLASSROOM CLASSROOM (102)// -COMPUTER-STORAGE STORAGE\* CLASSROOM STORAGE 2 TYP AT CLASSROOMS 1 ¥ AFF OF —CLASSROOM— COMPUTER A7.01 32, 34, AND 36 ALONG 304 CORRIDOR )R 100 PAC CLASSROOM /CHANGING 130 \_COMPUTER\_ LAB-\_CLASSROOM 8B TOILET\_\_ELECTRICAL ELECTRICAL 10, 12, AND 11 ALONG 177A PAD-130 130 \_CLASSROOM, BOYS 129 CLASSROOM CLASSROOM CLASSROOM CLASSROOM (114) SER2 12 14 <del>(</del>100) (130) GIRLS SER1 (CC) CLASSROOM +9' - 10" (CD) -CD STORAGE FÁN ROOM/ ⊢EN<del>+ R</del>Y-2300S 16C 102 7 9 \_CLASSROOM\_ —CLASSROOM-16 22 A7.01 TYP AT ALL 130 -CLASSROOM-CLASSROOMS 23 WITH WINDOWS AND REMOVED \_CLASSROOM\_ ADHERRED 15 12X12 TILE (100) CEILINGS STORAGE STORAGE 23A 102 21A 102 STORAGE STORAGE 17A 102 15A 102 

CLASSROOM

-CLASSROOM-

18

100 (129)

-CLASSROOM-

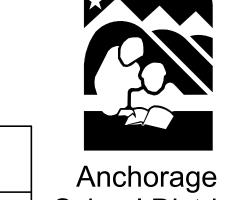
\_\_CLASSROOM\_

21

20

(129)(100)

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of these materials and the installation of new **LEGEND** ㅇ 오 RP



**School District** 

**REVISIONS** 

No Description Date

**KEY PLAN** 

Steven Scott Worthington
No.13557
11/07/2023

BDS, Inc. Entity #25796D

• • ARCHITECTS

3330 C St, Suite 200, Anchorage, Ak 99503

ANCHORAGE HIGH SCHOOL

4025 E Northern Lights

BDS Project No.: 418001.002

BID DOCUMENTS

NOVEMBER 7, 2023

Architecture | Planning | Roof Techr

T: 907.562.6076 | F: 907.562.6635

BETTYE DAVIS EAST

SAFETY UPGRADES

ACADEMIC AREA

ASD Project No.:

W: www.bdsak.com

SUSPENDED ACOUSTICAL CEILING

EXISTING HARD BOARD CEILING

SUSPENDED GYPSUM CEILING

CEILING HEIGHT

LIGHTING, REFER TO ELECTRICAL  $\nabla$   $\nabla$   $\nabla$ 

RADIANT CEILING PANEL, REFER MECHANICAL

LINEAR DIFFUSER, REFER TO MECH

DIFFUSERS, REFER MECHANICAL

EXHAUST FAN, REFER MECHANICAL

SPEAKER, REFER ELECTRICAL

WIRELESS ACCESS POINT (WAP), REFER ELECTRICAL

CEILING MOUNTED PROJECTOR, NIC.

WALL MOUNTED PROJECTOR, NIC.

CEILING MOUNTED CLOSED CIRCUIT TELEVISION CAMERA, REFER ELECTRICAL

CEILING MOUNTED CABINET UNIT HEATER, REFER CUH

CEILING MOUNTED UNIT HEATER, REFER MECHANICAL

AP ACCESS PANEL

# NOTES

1. NOTE.

# KEYNOTES (

NUMBER KEYNOTE

129 CEILING TO BE INSTALLED AT PREVIOUS CEILING HEIGHT. 130

REFLECTED **CEILING PLAN -**NEW - AREA E A2.02

SUSPENDED ACOUSTIC TILE CEILING. 102 EXISTING CEILING TO REMAIN.

114 NEW GWB CEILING, PAINT PER ROOM FINISH SCHEDULE.

CEILING HEIGHT TO BE DETERMINED AND INSTALLED PER DETAIL



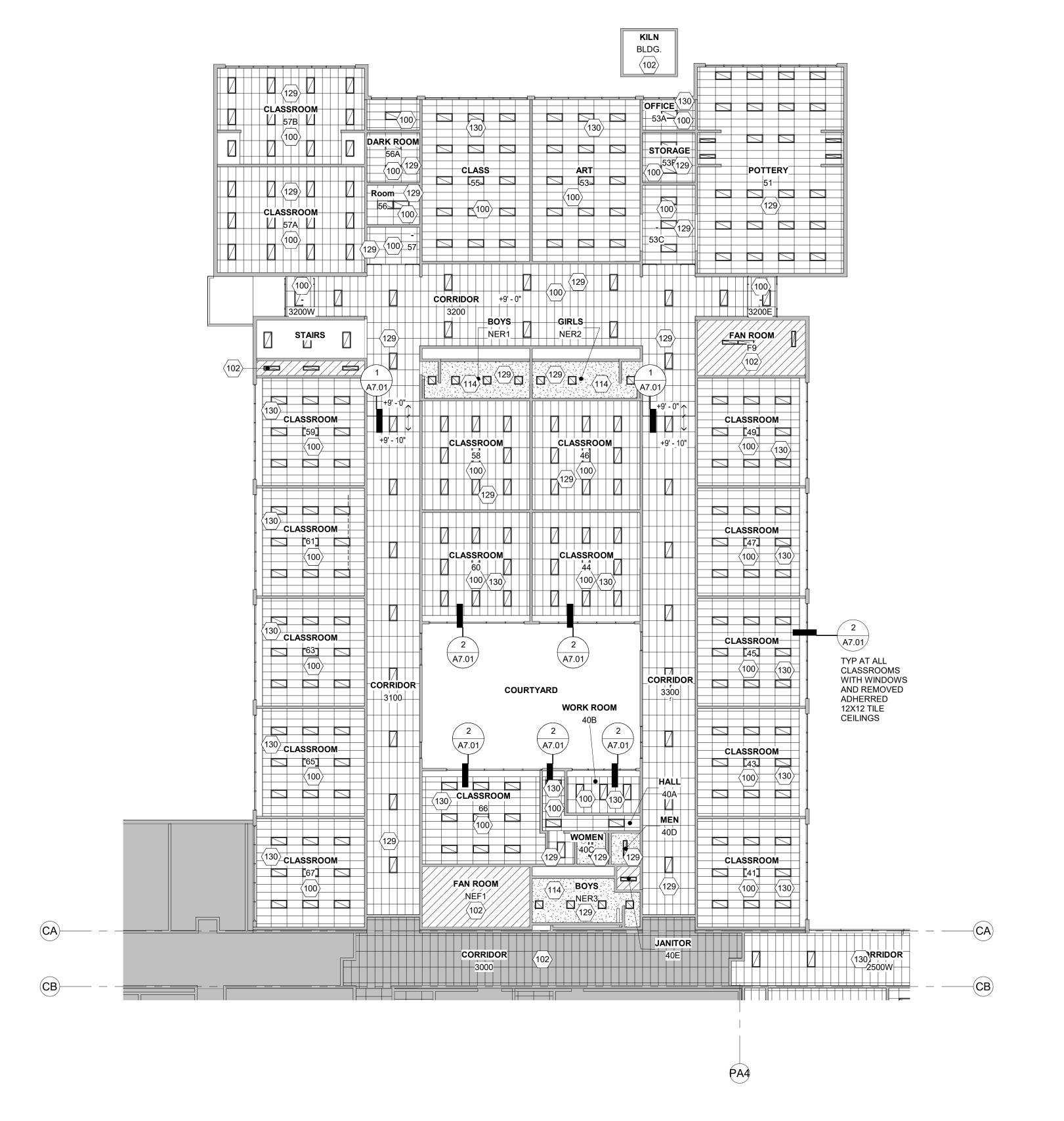
PA4 (S8)

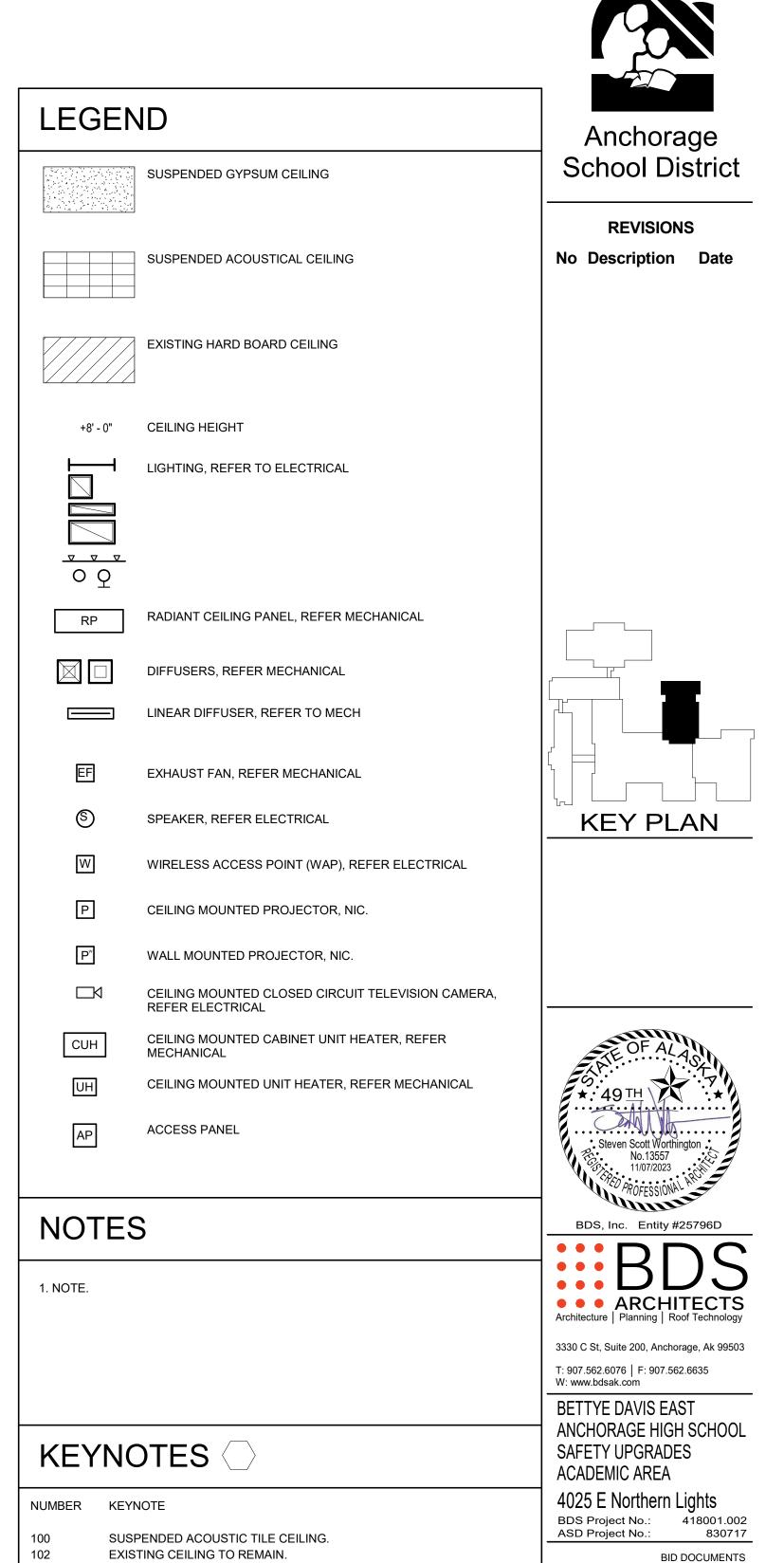
(S7)

SE SF

SG

concerning disturbing, removing and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.





114

129

130

NORTH

NEW GWB CEILING, PAINT PER ROOM FINISH SCHEDULE.

CEILING TO BE INSTALLED AT PREVIOUS CEILING HEIGHT.

CEILING HEIGHT TO BE DETERMINED AND INSTALLED PER DETAIL

NOVEMBER 7, 2023

REFLECTED

**CEILING PLAN -**

NEW - AREA F

SEE OVERFLOW SCUPPER

NOTIFICATION OF CHILD OCCUPIED FACILITY:
Portions of this building are classified as a Child Occupied Facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1 and 2 for specific information concerning disturbing, removing and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

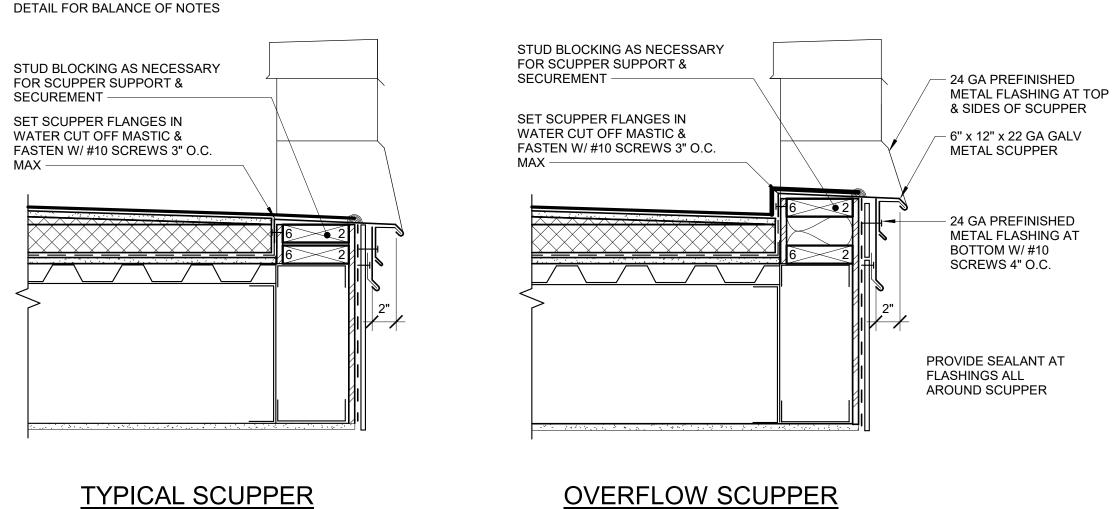
**NOTIFICATION OF POTENTIAL HAZARDS:** Asbestos, lead, and other hazardous materials are present in the building and may impact the work of all trades. Regulated air contaminants, including asbestos and lead, are also present in settled and concealed dust in and on Architectural, Structural, Mechanical, and Electrical components or systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.



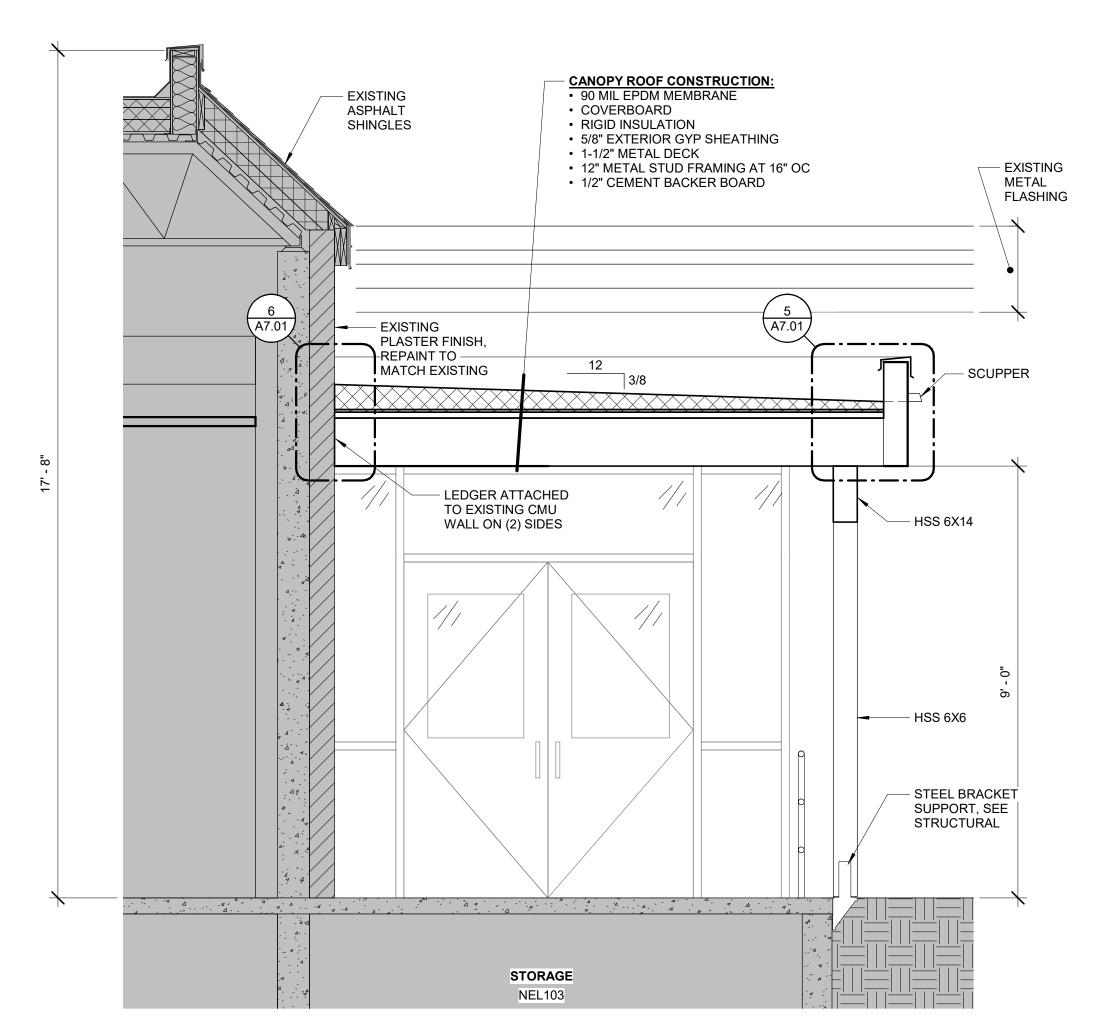
**REVISIONS** No Description Date



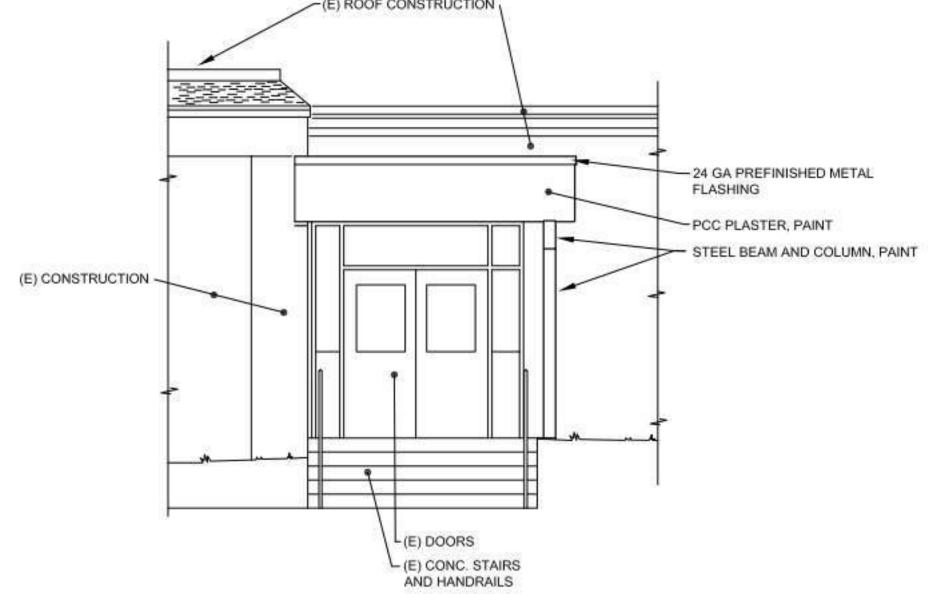




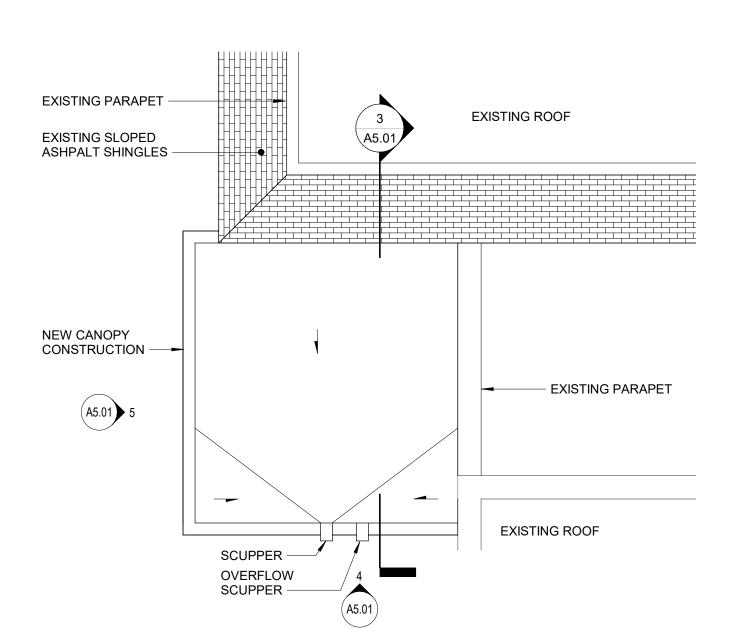
**SCUPPER - TYPICAL** 



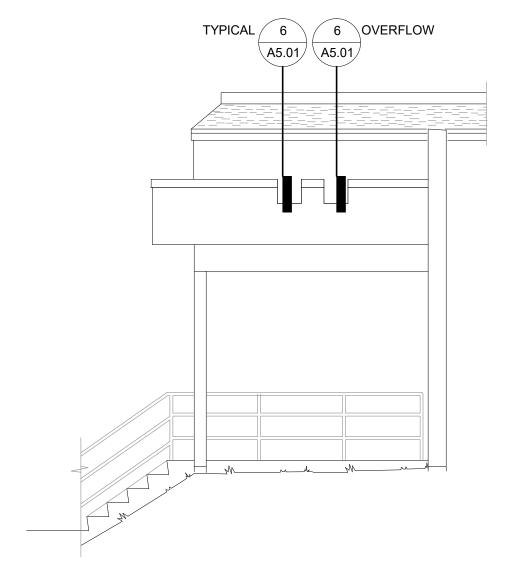


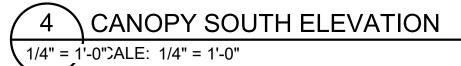


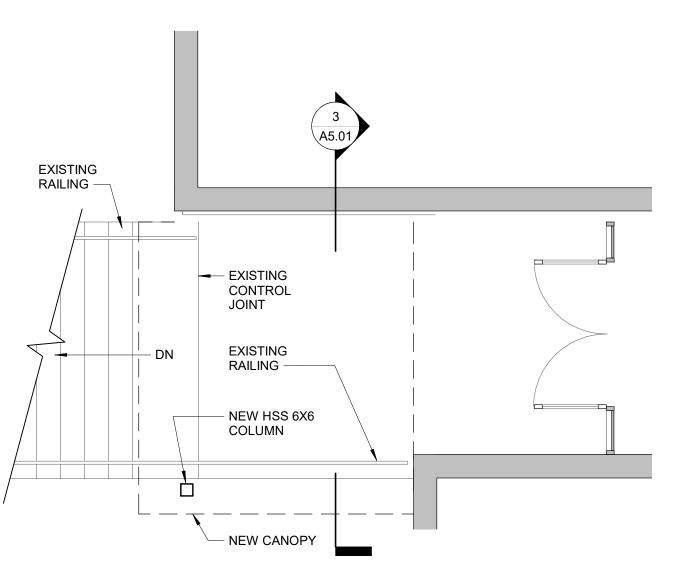


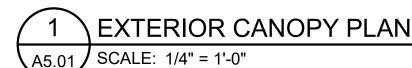














**KEY PLAN** 

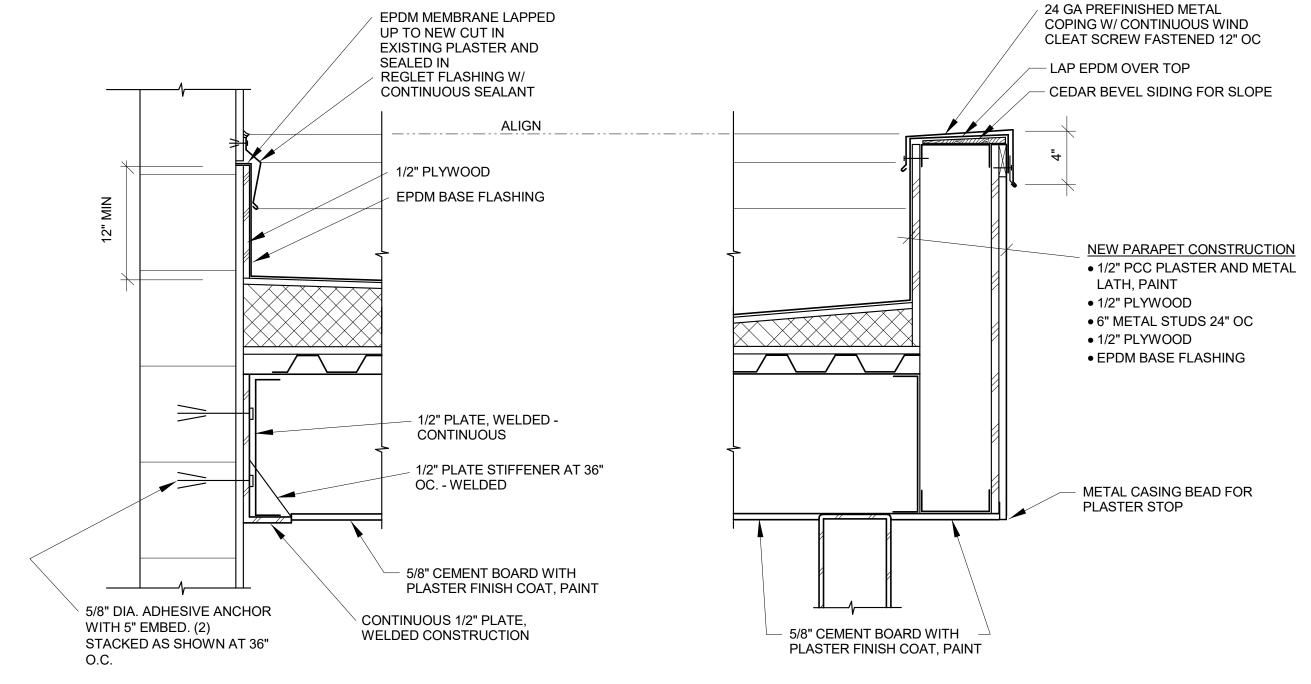
ENLARGED DRAWINGS A5.01

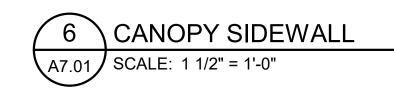
BID DOCUMENTS NOVEMBER 7, 2023

**NOTIFICATION OF POTENTIAL HAZARDS:** Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.



**REVISIONS** No Description Date





(E) CONC CEILING

THRU-CONCRETE

V-GROOVE, NOTE A

NOTES:
A. DETAIL IS FOR CONCRETE CRACKS GREATER THAN OR EQUAL TO 0.020"; FOR CRACKS

LESS THAN 0.020", REFER TO ARCH.
B. ROUTE A V-GROOVE AT CRACK SURFACE UNTIL SOUND MATERIAL IS REACHED, CLEAN

C. APPLY SURFACE SEAL OVER ALL EXTERIOR FACES OF CRACK. INSTALL INJECTION

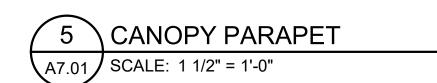
E. DO NOT USE EPOXY INJECTION TO REPAIR WALLS WITH CRACKS LARGER THAN 1/4"

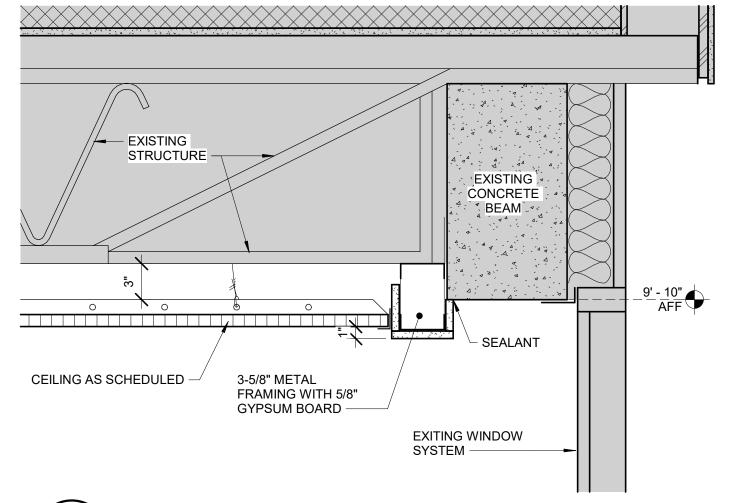
D. PRESSURE INJECT EPOXY. COMPLY WITH ACI 548.12 AND MANUFACTURER'S

AND VENTING PORTS PER MANUFACTURER'S INSTRUCTIONS.

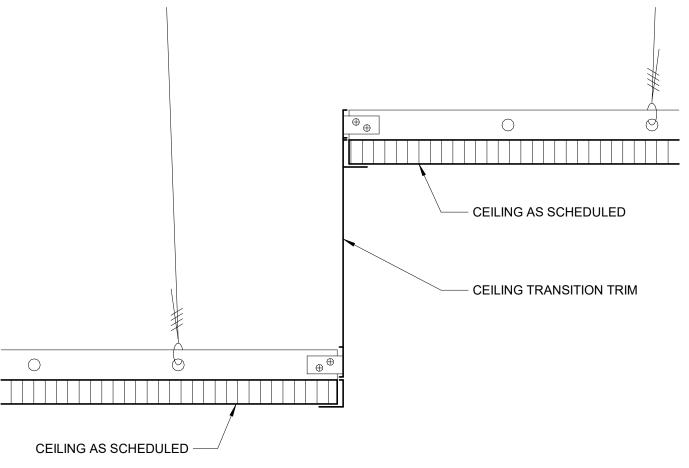
PARTIAL DEPTH CRACK, LESS THAN 1/4" WIDTH

CRACK, LESS THAN 1/4"





CEILING TRANSITION AT CLASSROOM WINDOW SCALE: 1 1/2" = 1'-0"



ACT CEILING TRANSITION AT HALLWAYS SCALE: 3" = 1'-0" A7.01

Steven Scott Worthington No.13557 PROFESSIONAL ARCH BDS, Inc. Entity #25796D ARCHITECTS Architecture | Planning | Roof Technolog 3330 C St, Suite 200, Anchorage, Ak 99503

T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 830717

> BID DOCUMENTS NOVEMBER 7, 2023

A7.01

# CONCRETE CRACK REPAIR

SCALE: 1" = 1'-0"

CRACKS.

SEAL, NOTE B -

(PRIOR TO GROOVING).

NOTIFICATION OF POTENTIAL HAZARDS:

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Anchorage School District

REVISIONS

No Description Date



8 DEMO PHOTO - PLAZA DECK 1

AA1.01 SCALE: 12" = 1'-0"



7 DEMO PHOTO - PLAZA DECK 2

AA1.01 SCALE: 12" = 1'-0"

PLAZA DECK FLOOR PLAN

AA1.01 SCALE: 3/32" = 1'-0"

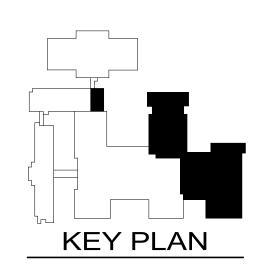


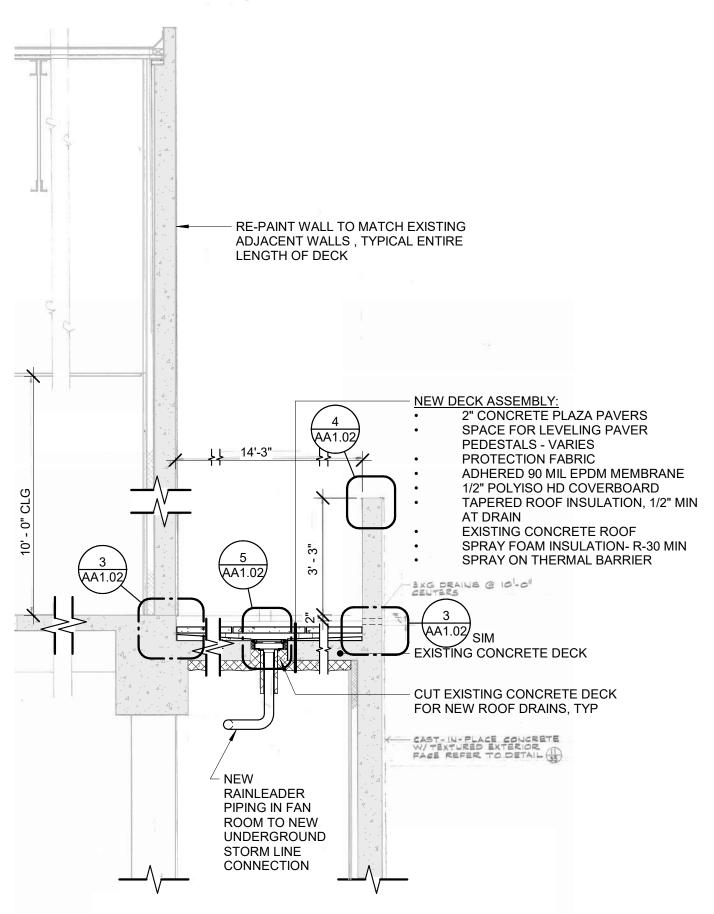
6 DEMO PHOTO - PLAZA DECK 3

5 DEMO PHOTO - PLAZA DECK 4

AA1.01 SCALE: 12" = 1'-0"

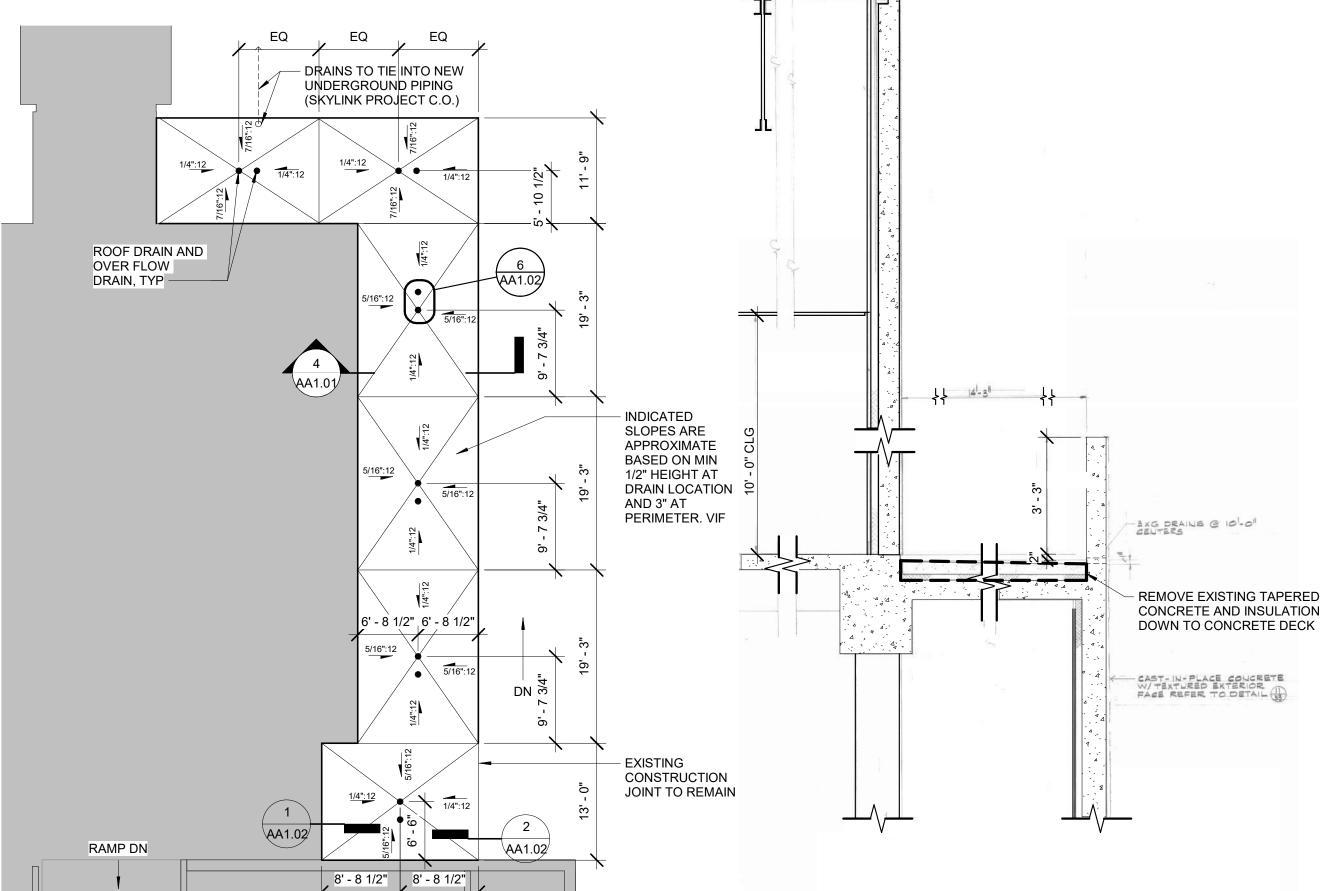
HAZMAT CONTAINING PAINT TO BE DISTURBED AS NECESSARY

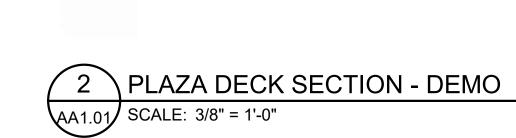


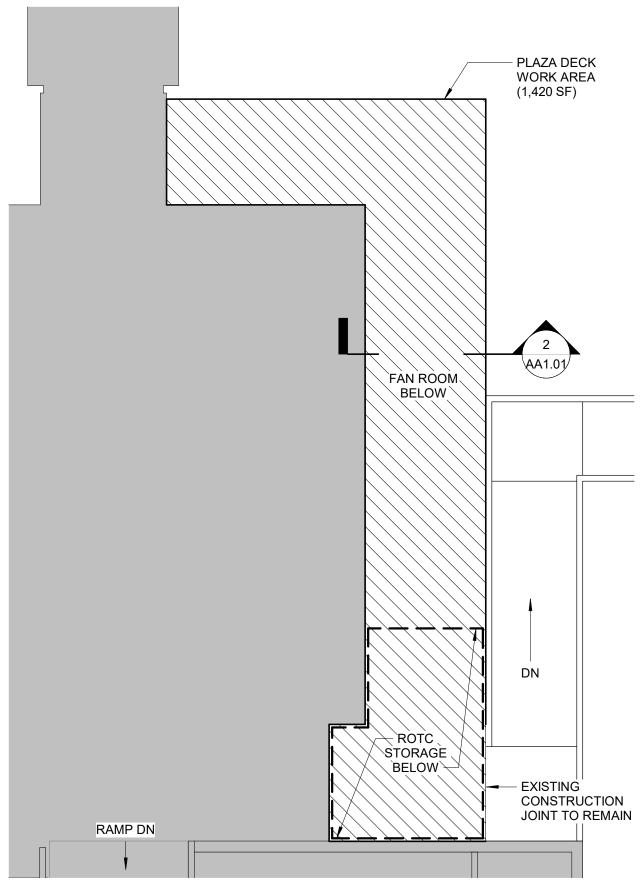


PLAZA DECK SECTION

AA1.01 SCALE: 3/8" = 1'-0"











ADD ALT 1 PLAZA REPAIR
AA1.01

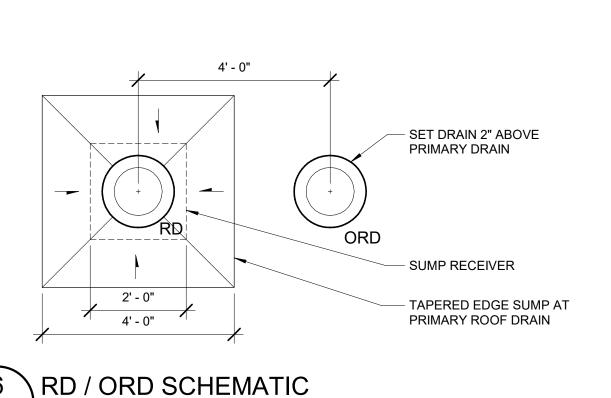
concerning disturbing, removing and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

**NOTIFICATION OF POTENTIAL HAZARDS:** Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.



**REVISIONS** No Description Date

DEAD LOAD ANALYS	SIS		
EXISTING DECK SYSTEM		NEW DECK SYSTEM	
MATERIAL	LBS/SF	MATERIAL	LBS/SF
3-4" TAPERED CONCRETE SLAB (DEMO) 3.5" AVERAGE	40.83	2" CONCRETE PAVERS	5.75
2" RIGID INSULATION (DEMO)	0.52	PEDESTALS	NEGLIGIBLE
WATERPROOFING (ESTIMATED)	1.00	FILTER FABRIC	0.06
		90 MIL EPDM	1.20
		1/2" POLYISO HD COVERBOARD	0.41
		TAPERED EPS FOAM	0.25
		SAM VR	0.28
6" STRUCTURAL CONCRETE SLAB	70.00	6" STRUCTURAL CONCRETE SLAB	70.00
		SPRAY POLYURETHAN INSULATION	0.85
TOTAL (POUNDS/SQ FT)	112.35	TOTAL (POUNDS/SQ FT)	78.80



AA1.02 SCALE: 1/2" = 1'-0"



MARK EACH ROOF DRAIN LOCATION ON PAVER MOST CLOSELY CENTERED ON THE DRAIN - PREDRILL CONCRETE AND

FLUSH W/CONCRETE SURFACE, TYP AT

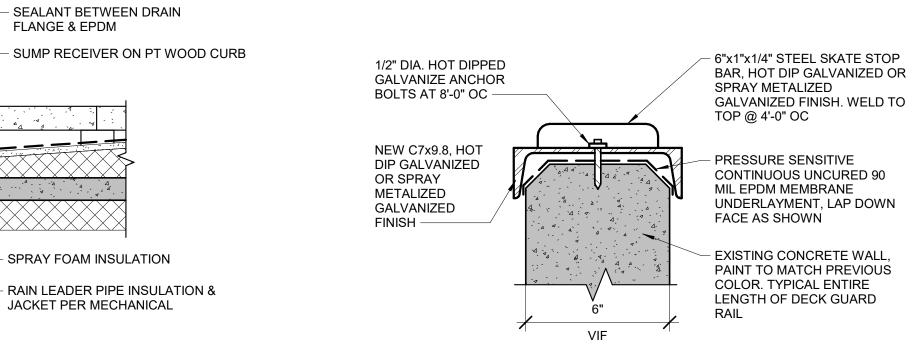
SET SCREW IN EPOXY, HEAD TO BE

**ASSEMBLY** 

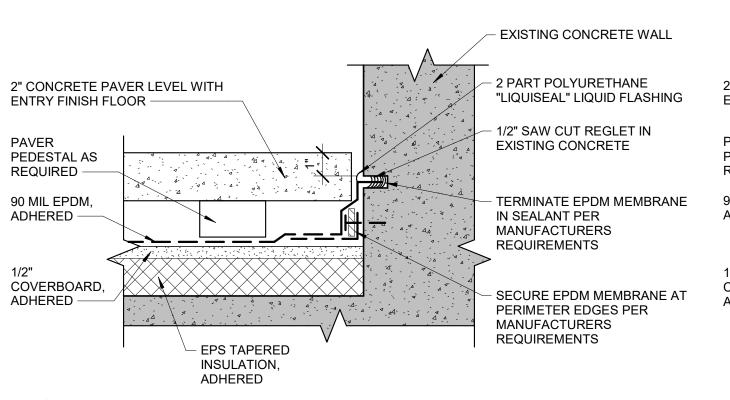
EACH DRAIN -

FILL VOIDS W/ SPRAY

FOAM INSULATION -

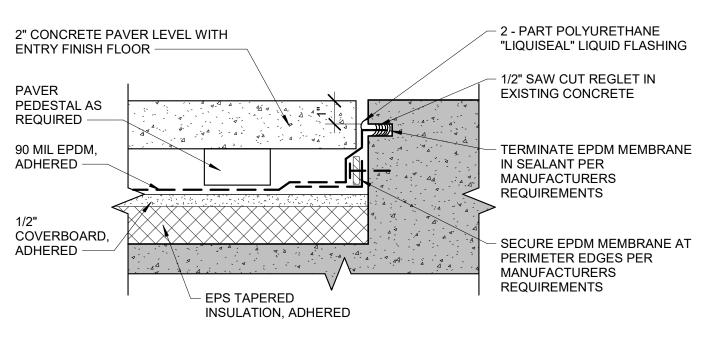






PLAZA ROOF AT WALL

AA1.02 SCALE: 3" = 1'-0"





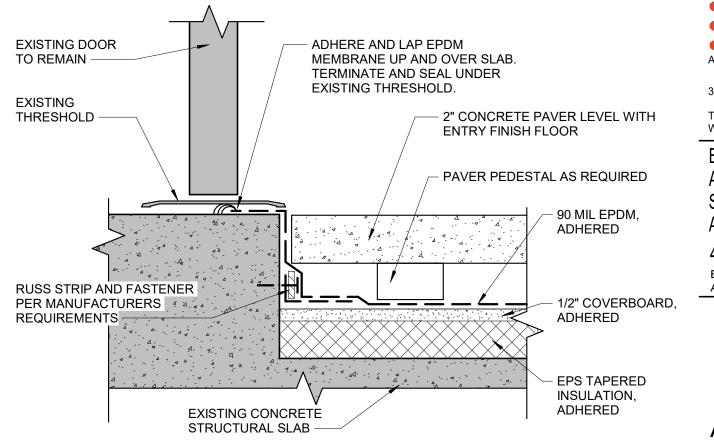
NEW 3" ROOF DRAIN W/ SS 1/4"x1/4" HARDWARE CLOTH

FILTER SCREEN UNDER

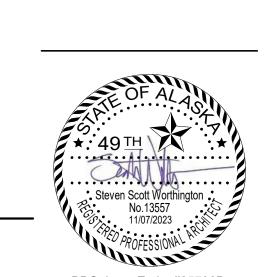
CLAMPING RING

FLANGE & EPDM

4 / 4 4







**KEY PLAN** 



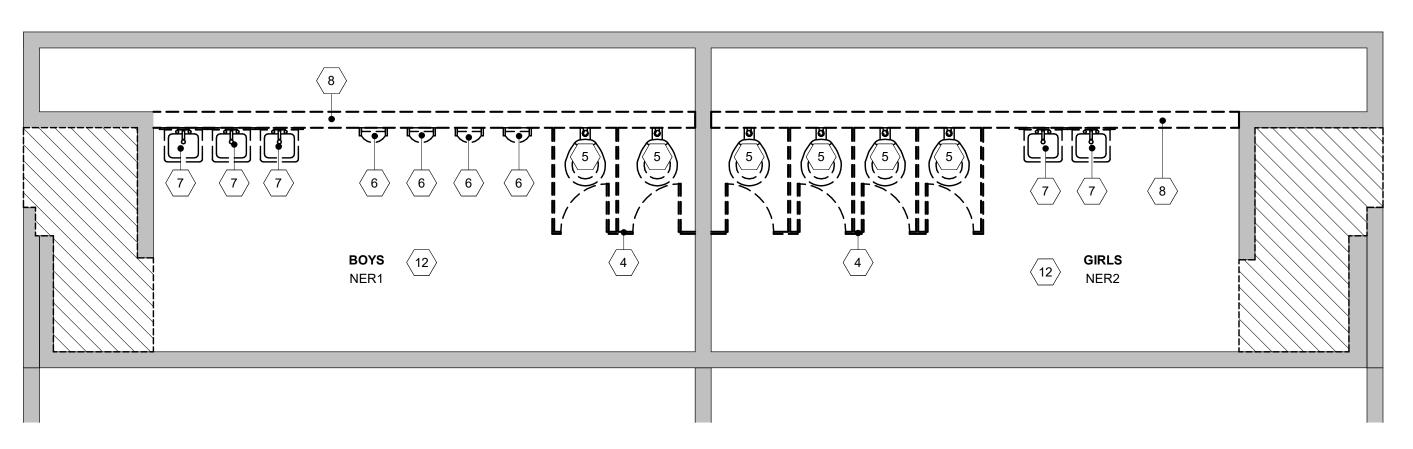
3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635

W: www.bdsak.com BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES

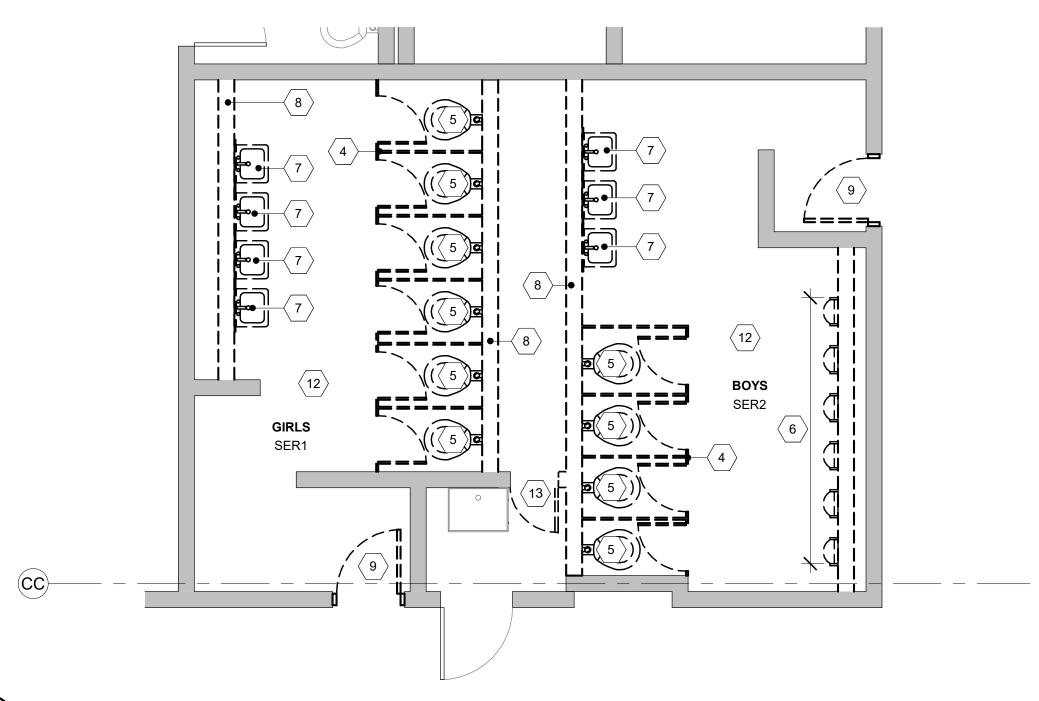
ACADEMIC AREA 4025 E Northern Lights

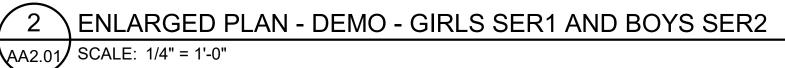
BDS Project No.: 418001.002 ASD Project No.: 830717 BID DOCUMENTS NOVEMBER 7, 2023

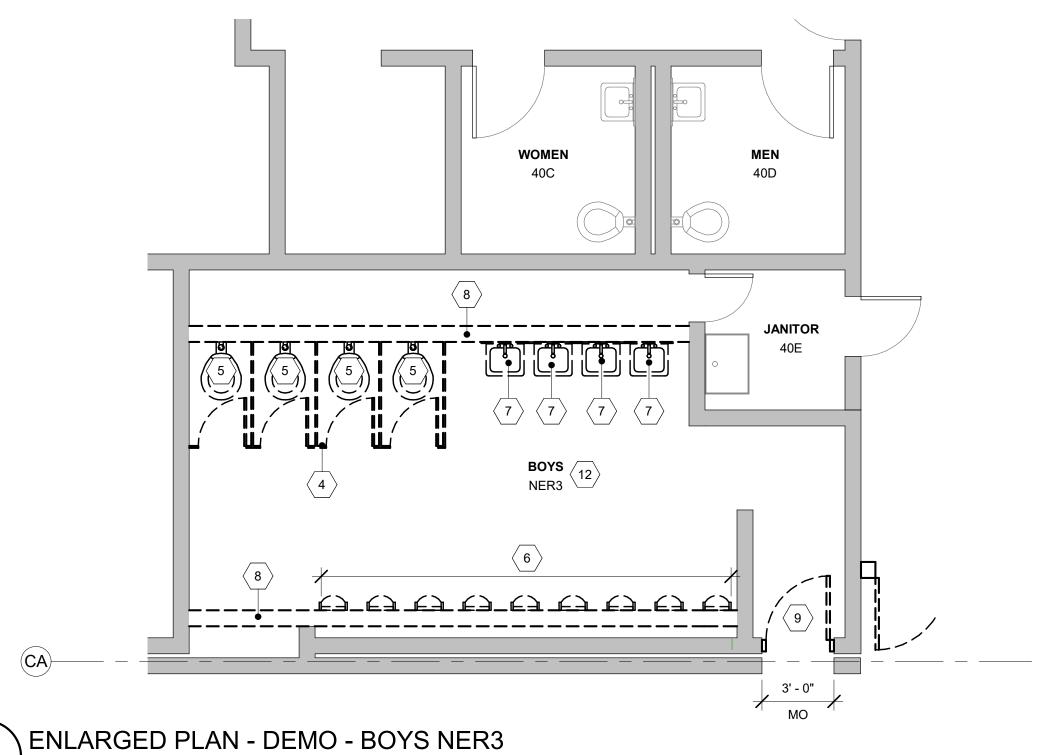
ADD ALT 1 -PLAZA REPAIR DETAILS AA1.02



\ ENLARGED PLAN - DEMO - BOYS NER1 AND GIRLS NER2







AA2.01 SCALE: 1/4" = 1'-0"

**LEGEND** 

DEMOLISHED

**EXISTING WALL CONSTRUCTION** 

EXTENT OF VCT FLOOR FINISH AND WALL RUBBER BASE TO BE DEMOLISHED DOWN TO SUBSTRATE; PREP FOR NEW FINISHES

EXISTING WALL CONSTRUCTION

TO BE DEMOLISHED

NOTES

1. NOTE.

# **KEYNOTES**

NUMBER KEYNOTE

DEMOLISH TOILET PARTITIONS, INCLUDING DOORS, WALLS, AND HARDWARE.

DEMOLISH TOILET FIXTURE. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

DEMOLISH URINAL FIXTURE. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION. DEMOLISH SINK FIXTURE. SEE MECHANICAL DRAWINGS FOR

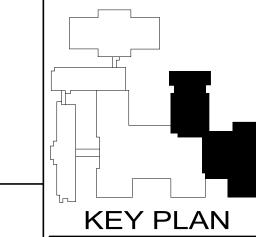
ADDITIONAL INFORMATION. DEMOLISH CMU WALL.

DEMOLISH DOOR, FRAME, AND ASSOCIATED HARDWARE. DEMOLISH EXISTING TILE FLOOR AND WALL BASE DOWN TO SUBSTRATE; PREP FOR NEW FLOOR FINISH

REMOVE ACCESS PANEL AND SURROUNDING CMU WALL FROM FLOOR TO TOP WALL OVER TO JAMB SIDE OF PANEL OPENING

Anchorage School District

**REVISIONS** No Description Date







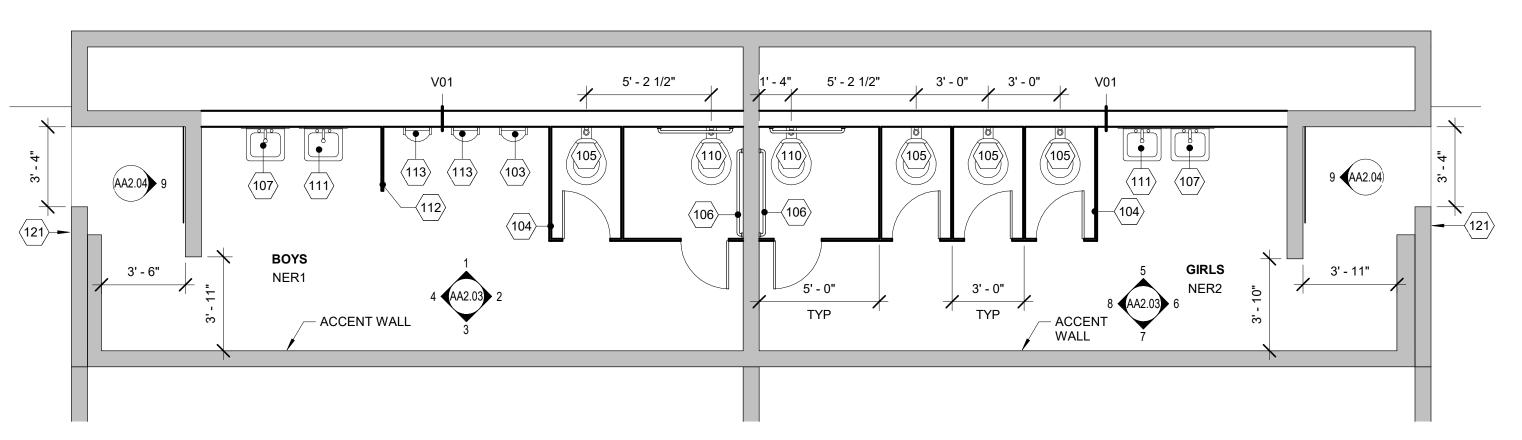
3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

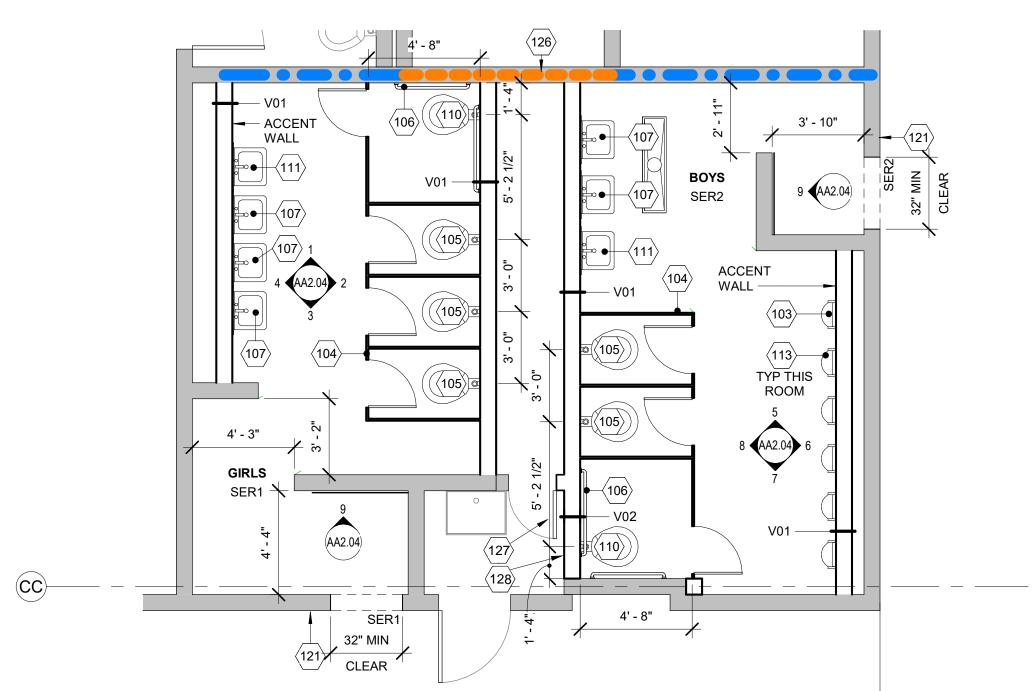
4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 830717

> **BID DOCUMENTS** NOVEMBER 7, 2023

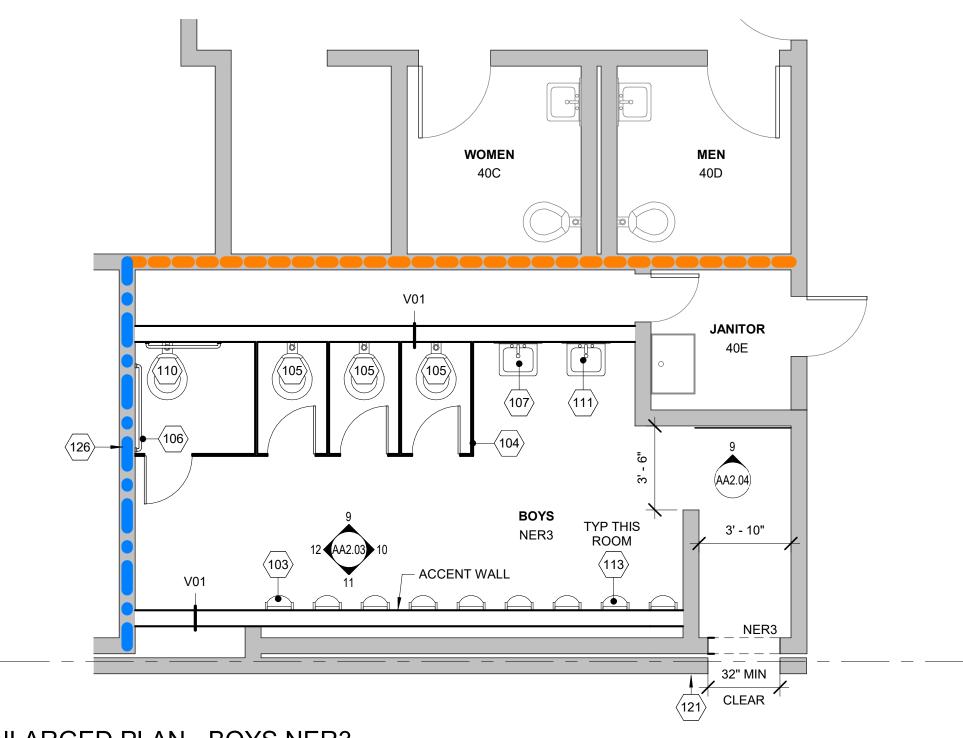
ADD ALT 2 -**ENLARGED** PLANS - DEMO AA2.01 concerning disturbing, removing and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.



\ ENLARGED PLAN - BOYS NER1 AND GIRLS NER2

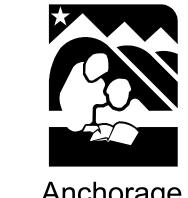






**ENLARGED PLAN - BOYS NER3** 

AA2.02 SCALE: 1/4" = 1'-0"



Anchorage School District

**REVISIONS** 

No Description Date

**EXISTING WALL CONSTRUCTION** 

**NEW DOOR** 

NEW WALL CONSTRUCTION LATERAL SUPPORT AT TOP AND BOTTOM OF EXISTING CMU WALL PER STRUCTURAL. REFERENCE DETAILS

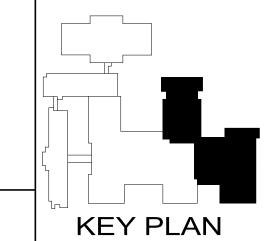
EXISTING DOOR

1/S1.01 (TOP) AND 2/S1.10 (BOTTOM) LATERAL SUPPORT AT TOP OF EXISTING CMU WALL PER STRUCTURAL. REFERENCE DETAIL 1/S1.01

# NOTES

**LEGEND** 

1. SEE SHEET A0.02 FOR SCHEDULES AND MATERIAL LEGEND



# **KEYNOTES**

NUMBER	KEYNOTE

NEW URINAL AT ADA HEIGHT.

104 NEW TOILET PARTITIONS. 105 NEW TOILET FIXTURES. REFERENCE MECHANICAL DRAWINGS FOR

FURTHER INFORMATION. ADA COMPLIANT GRAB BARS.

107 NEW SINK FIXTURE. REFERENCE MECHANICAL DRAWINGS FOR

NEW TOILET FIXTURE AT ADA HEIGHT. REFERENCE MECHANICAL

DRAWINGS FOR FURTHER INFORMATION. NEW SINK FIXTURE AT ADA HEIGHT. REFERENCE MECHANICAL

DRAWINGS FOR FURTHER INFORMATION.

112 NEW URINAL SCREEN 113 NEW URINAL FIXTURE. REFERENCE MECHANICAL DRAWINGS FOR

FURTHER INFORMATION.

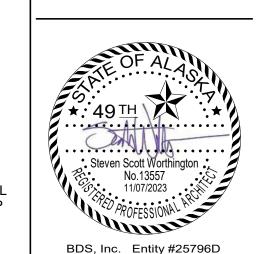
121 RESTROOM SIGNAGE

126 STRUCTURAL BASE REINFORCEMENT TO BE INSTALLED ON THIS SIDE OF WALL.

127 FLUSH UNIVERSAL ACCESS DOOR, EXPOSED FLANGE, ALL STEEL CONSTRUCTION, PAINTED; 32" WIDE BY 40" HIGH; PROVIDE HASP FOR OWNER FURNISHED PADLOCK; MOUNT BOTTOM OF PANEL

AT 28" ABOVE FINISH FLOOR.

PAINT ON BACKER BOARD THIS SIDE OF THIS WALL, NO TILE REQUIRED.



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BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES

ACADEMIC AREA 4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 830717

**BID DOCUMENTS** NOVEMBER 7, 2023

ADD ALT 2 -**ENLARGED** 

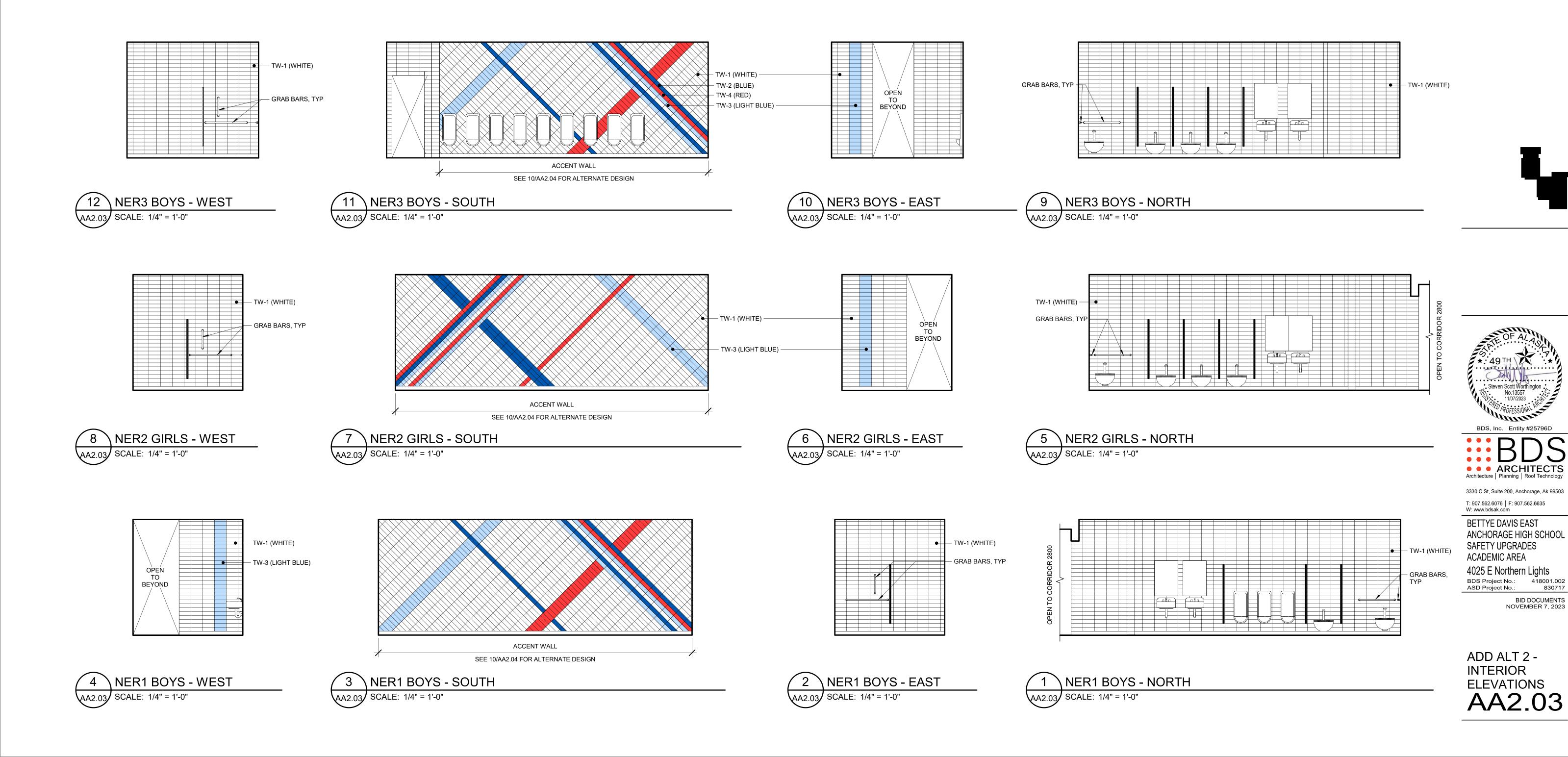
PLANS AA2.02 NOTIFICATION OF POTENTIAL HAZARDS:

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REVISIONS

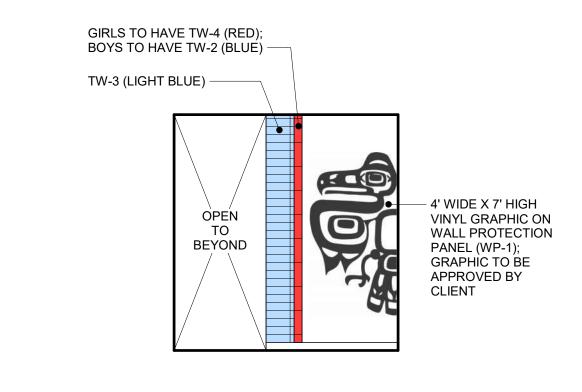
No Description Date



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**REVISIONS** No Description Date



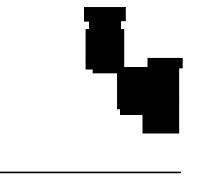


TW-1 (WHITE)

– TW-2 (BLUE)

- TW-4 (RED)

- TW-3 (LIGHT BLUE) -



Steven Scott Worthington No.13557

3330 C St, Suite 200, Anchorage, Ak 99503

ANCHORAGE HIGH SCHOOL

4025 E Northern Lights

BDS Project No.: 418001.002 ASD Project No.: 830717

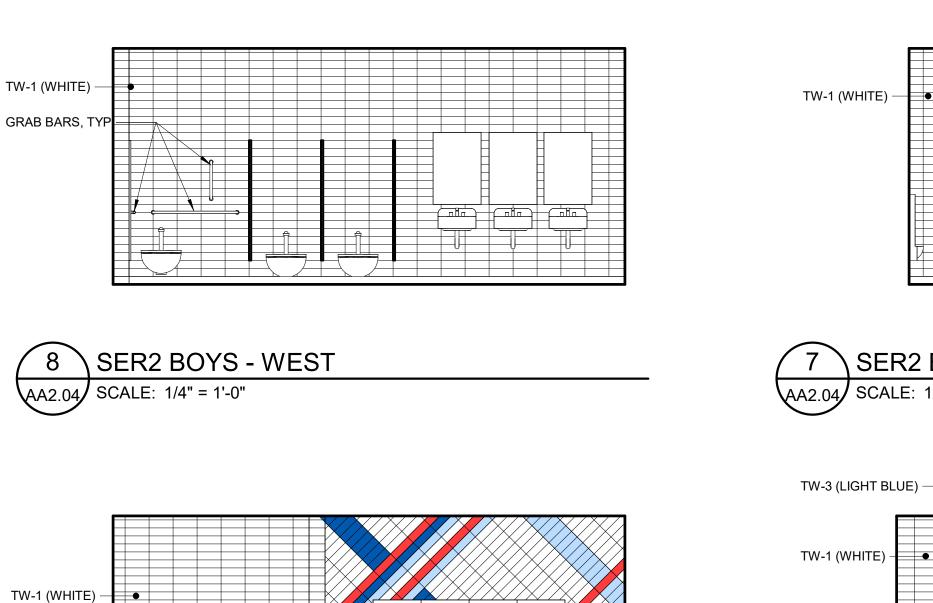
BID DOCUMENTS NOVEMBER 7, 2023

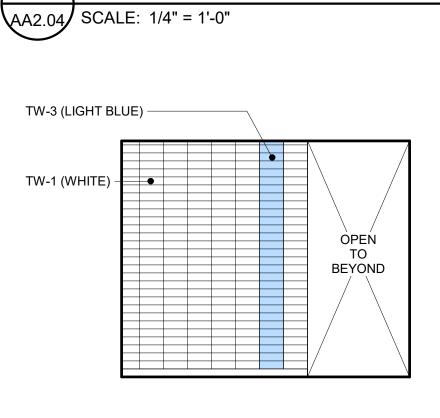
T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST

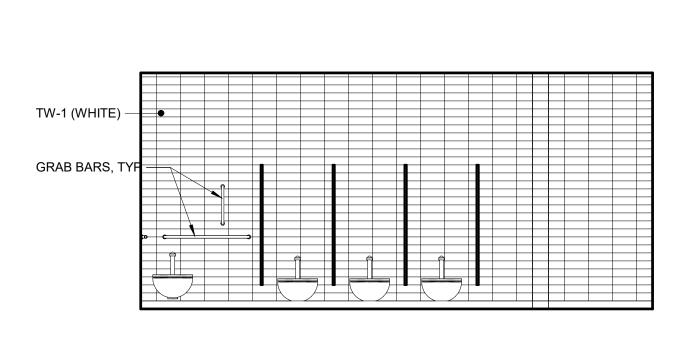
SAFETY UPGRADES ACADEMIC AREA

No. 13557 11/07/2023 PROFESSIONAL ARCHITECTURE OF THE PROFESSIONAL





SER2 BOYS - SOUTH



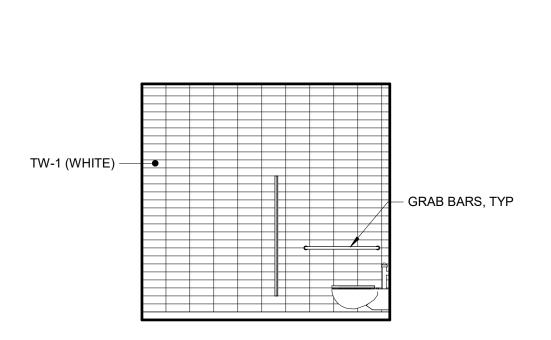
ACCENT WALL SEE 10/AA2.04 FOR ALTERNATE DESIGN

OPEN TO BEYOND

SER2 BOYS - EAST

SCALE: 1/4" = 1'-0"

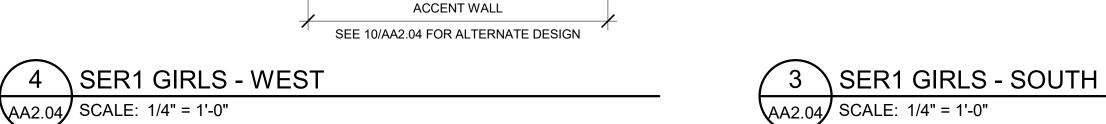
- GRAB BARS, TYP



SER2 BOYS - NORTH

SCALE: 1/4" = 1'-0"



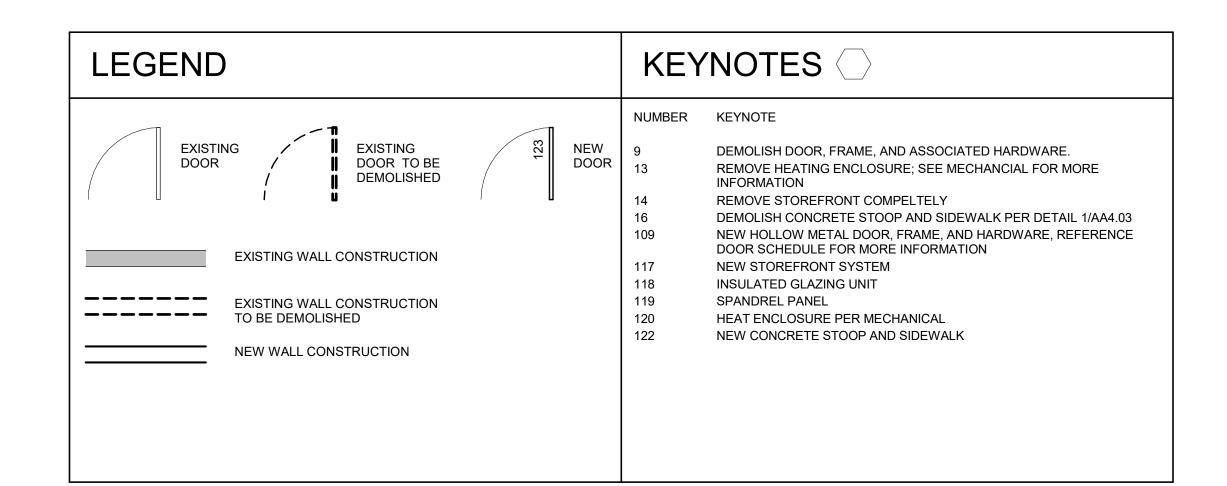


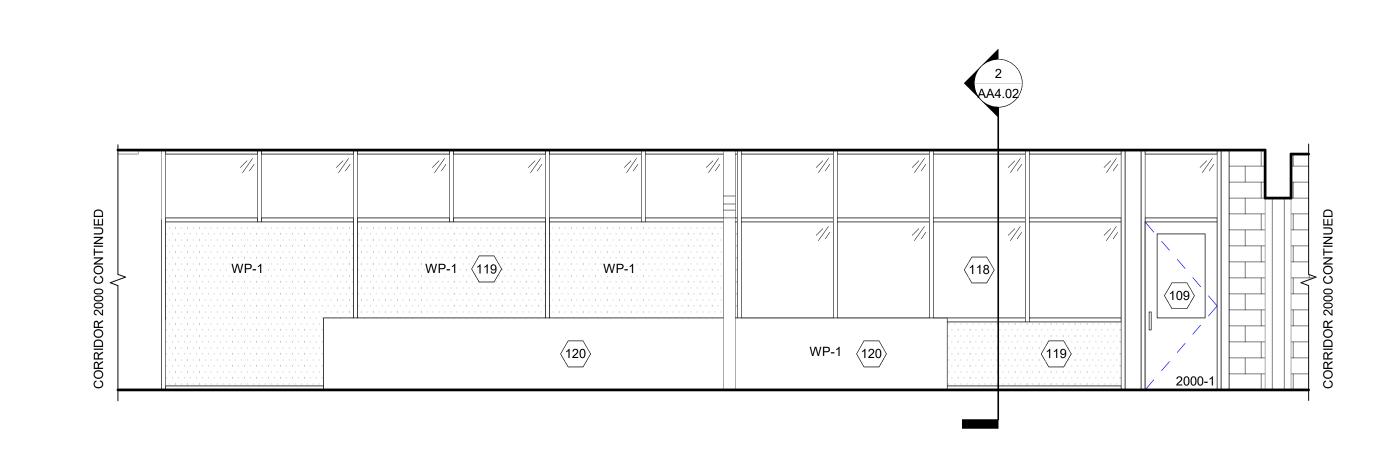


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PARTIAL CORRIDOR 2000 - NORTH

AA4.01 SCALE: 1/4" = 1'-0"







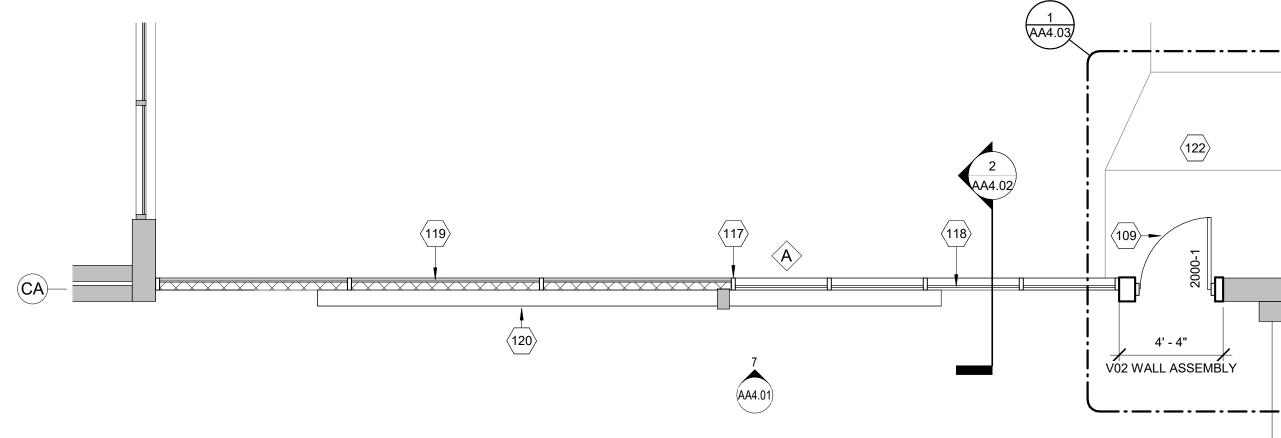
**REVISIONS** No Description Date

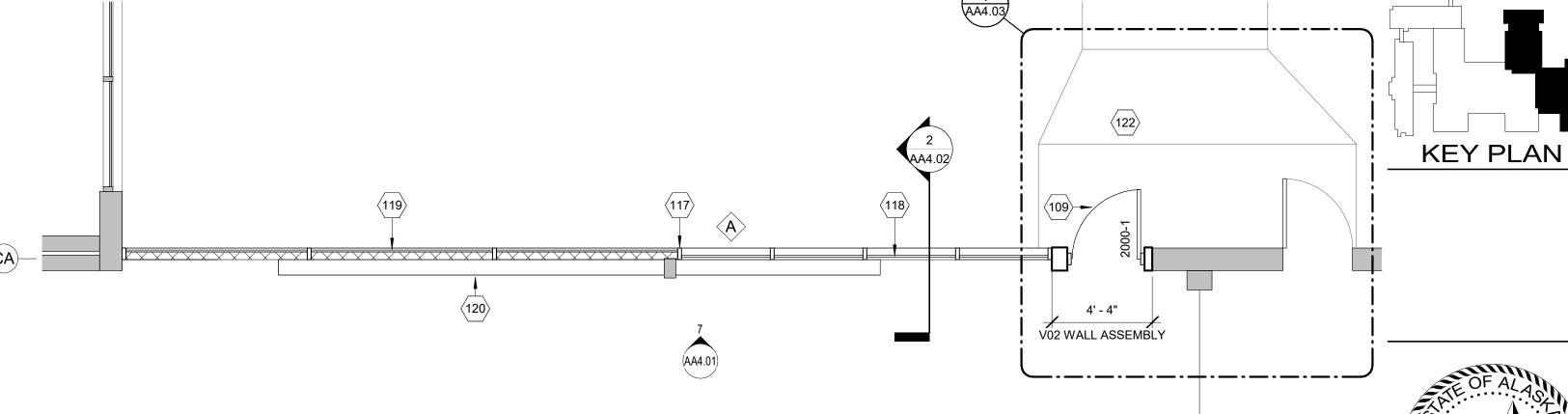


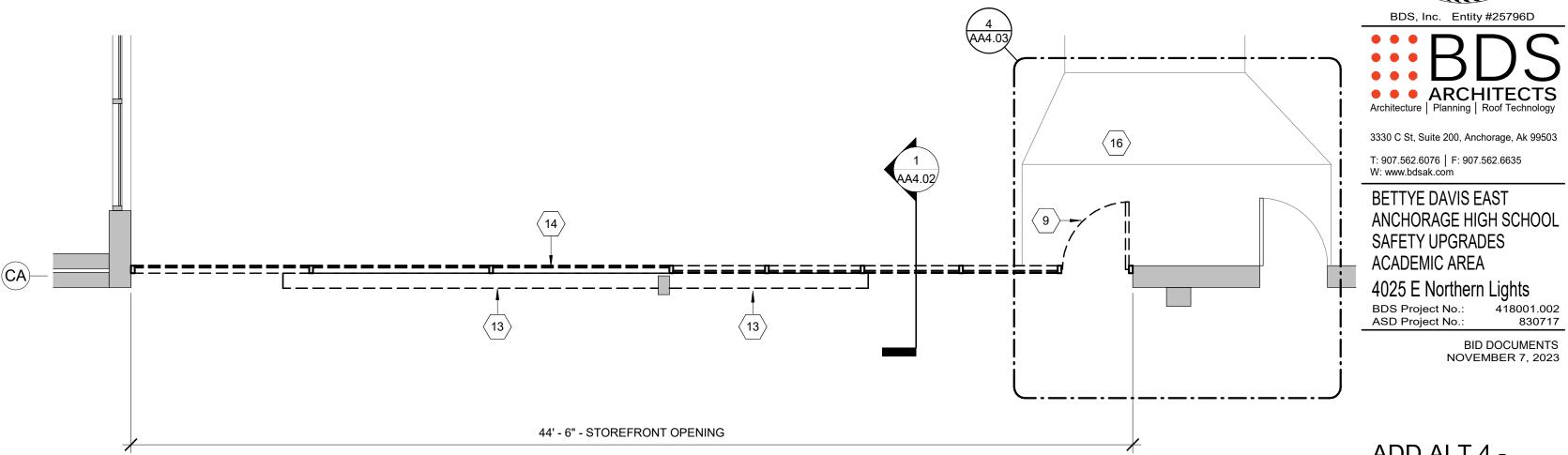




DEMO PHOTO - EXTERIOR STOREFRONT SCALE: 12" = 1'-0"









ENLARGED PLAN - ADD ALT 4

SCALE: 1/4" = 1'-0"



\ DEMO PHOTO - INTERIOR STOREFRONT 2 AA4.01 SCALE: 12" = 1'-0"





ADD ALT 4 -STOREFRONT REPLACEMENT **AA4.01** 

3330 C St, Suite 200, Anchorage, Ak 99503

4025 E Northern Lights

BID DOCUMENTS NOVEMBER 7, 2023

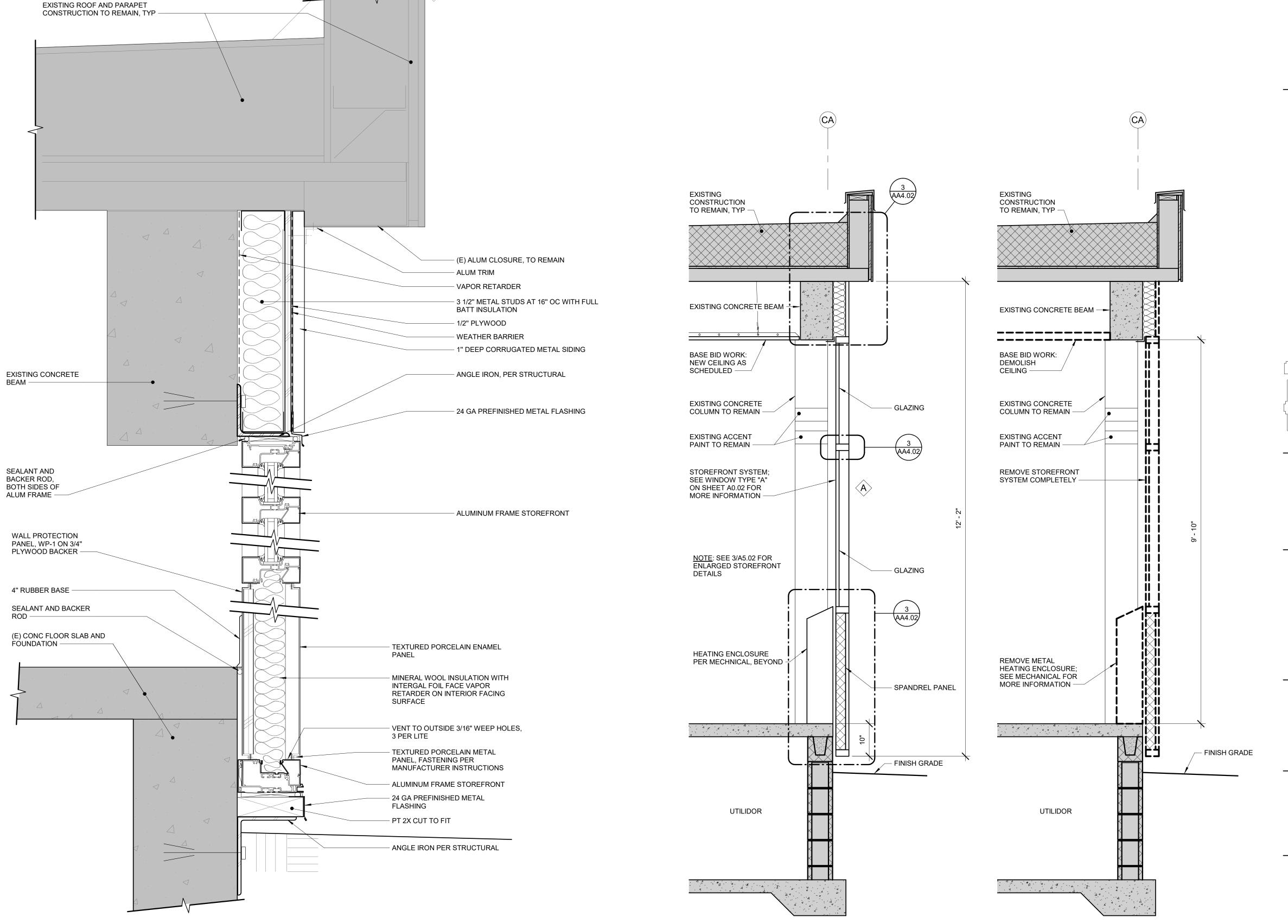
ENLARGED PLAN - ADD ALT 4 - DEMO AA4.01 SCALE: 1/4" = 1'-0"

**ALUM STORE FRONT** 

SCALE: 3" = 1'-0"

NOTIFICATION OF POTENTIAL HAZARDS:

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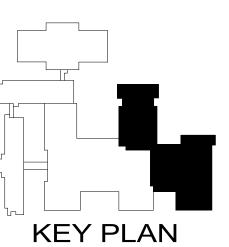
STOREFRONT SECTION

SCALE: 3/4" = 1'-0"

Anchorage School District

REVISIONS

No Description Date





Architecture | Planning | Roof Technology

3330 C St, Suite 200, Anchorage, Ak 99503

T: 907.562.6076 | F: 907.562.6635
W: www.bdsak.com

BETTYE DAVIS EAST
ANCHORAGE HIGH SCHOOL
SAFETY UPGRADES

ACADEMIC AREA

4025 E Northern Lights

BDS Project No.: 418001.002
ASD Project No.: 830717

BID DOCUMENTS NOVEMBER 7, 2023

ADD ALT 4 STOREFRONT
REPLACEMENT
SECTIONS
AA4.02

STOREFRONT SECTION - DEMO

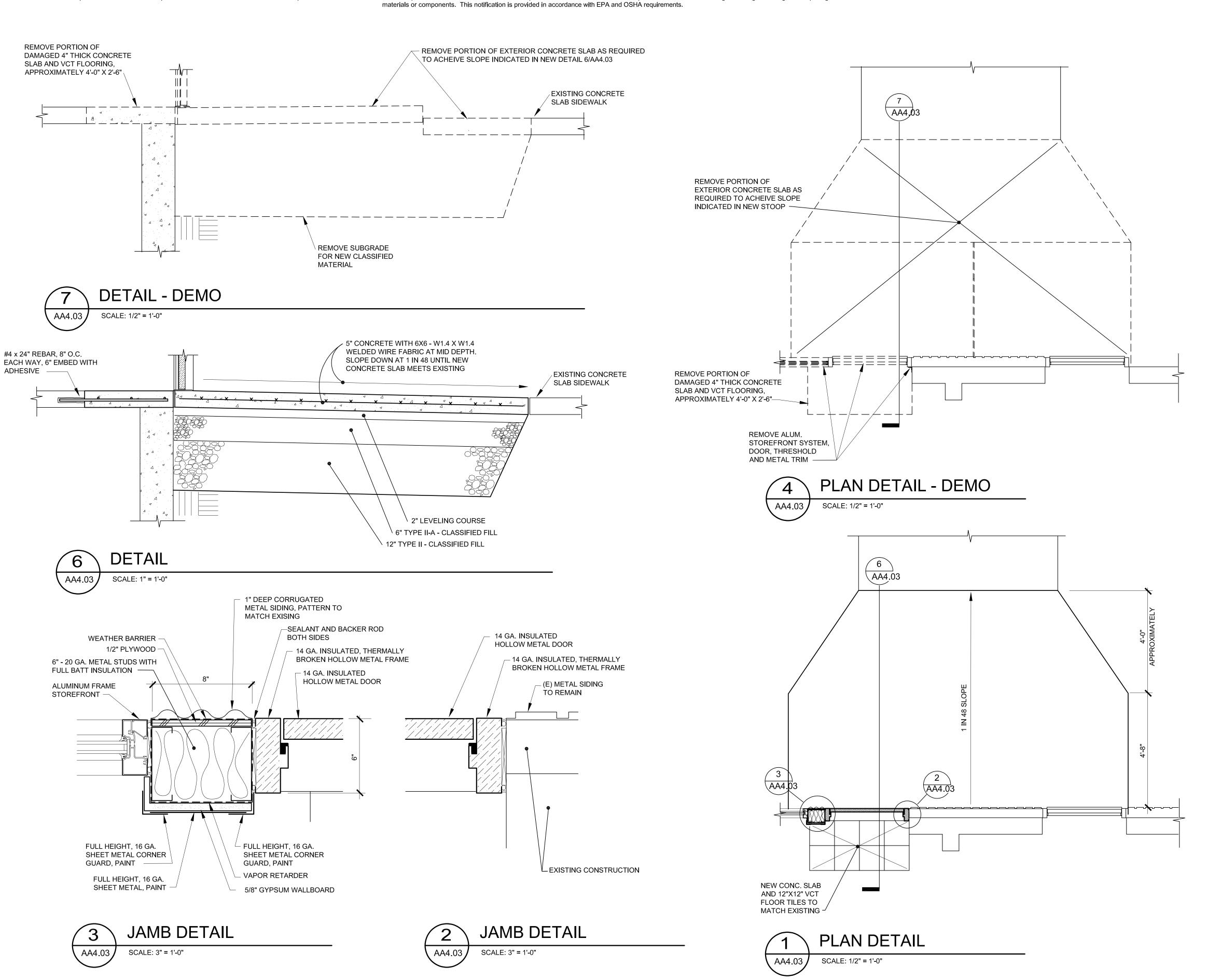
AA4.02 SCALE: 3/4" = 1'-0"

## NOTIFICATION OF CHILD OCCUPIED FACILITY:

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#### NOTIFICATION OF POTENTIAL HAZARD

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REVISIONS

No Description Date



BETTYE DAVIS EAST

SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

BDS Project No.: 418001.002 ASD Project No.: 830717

BID DOCUMENTS

NOVEMBER 7, 2023

ANCHORAGE HIGH SCHOOL

ADD ALT 4
STOREFRONT
DETAILS
AA4.03

THE CONTRACTOR MUST VERIFY AND COORDINATE ALL DIMENSIONS AMONG THE DRAWINGS BEFORE STARTING ANY WORK OR FABRICATION. IN CASE OF DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, REFERENCE STANDARDS, SITE CONDITIONS OR GOVERNING CODE, THE MORE STRINGENT REQUIREMENTS MUST GOVERN. CONTRACTOR MUST NOTIFY THE ENGINEER OF DISCREPANCIES AND OBTAIN DIRECTION PRIOR TO PROCEEDING. NOTES ON INDIVIDUAL STRUCTURAL DRAWINGS MUST TAKE PRIORITY OVER GENERAL STRUCTURAL NOTES. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS. TYPICAL DETAILS MAY NOT NECESSARILY BE INDICATED AS TYP ON THE PLANS BUT MUST APPLY AS SHOWN OR DESCRIBED IN THE DETAILS.

ALL CONSTRUCTION MUST COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED AND ADOPTED BY THE MUNICIPALITY OF ANCHORAGE (MOA).

SAFETY - THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL FEDERAL, STATE AND LOCAL SAFETY STANDARDS. THE CONTRACTOR IS IN CHARGE OF ALL SAFETY MATTERS ON AND AROUND THE JOB SITE.

## STRUCTURAL DESIGN DATA

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE IBC AS AMENDED AND ADOPTED BY THE MUNICIPALITY OF ANCHORAGE. RISK CATEGORY IS III IN ACCORDANCE WITH IBC SECTION 1604.5.

REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATIONS, SLOPES, DEPRESSIONS, NON-BEARING WALLS, FIRE-PROOFING, FASCIA, CURBS, DRAINS, RAILINGS, WATERPROOFING, FINISHES, ETC.

THE STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING OPERATIONAL LOADS ON THE COMPLETED STRUCTURES. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SHORING AND BRACING DURING CONSTRUCTION.

BASIC WIND SPEED (3-SECOND GUTS, Vult)=150 MPH,

EXPOSURE B, INTERNAL PRESSURE GCpi=±0.55 (PARTIALLY ENCLOSED)

SEISMIC LOADS: SITE CLASS D, SEISMIC DESIGN CATEGORY D,

Ss=1.5, S1=0.68, Sds=1.0, Sd1 = 0.77 INTERIOR NONSTRUCTURAL WALLS/PARTITIONS: lp=1.0, Rp=2.5, Ωo=2 NEW CANOPY: le=1.25, R=2 (ORDINARY REINFORCED MASONRY SHEAR WALLS),  $\Omega$ o=2.5

#### **EXISTING CONDITIONS**

WIND LOADS:

CONTRACTOR MUST VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING WORK. DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. EXISTING CONDITIONS SHOWN ON DRAWINGS ARE BASED ON EITHER SITE OBSERVATIONS, ORIGINAL DRAWINGS, OR WERE ASSUMED BASED ON EXPECTED CONDITIONS. IF EXISTING CONDITIONS DO NOT CLOSELY MATCH CONDITIONS SHOWN ON DRAWINGS, OR IF EXISTING MATERIALS ARE OF QUESTIONABLE OR SUBSTANDARD QUALITY, NOTIFY ENGINEER PRIOR TO COMMENCING WORK.

## SPECIAL INSPECTION

THE OWNER MUST ENGAGE A SPECIAL INSPECTOR PER CHAPTER 17 OF THE IBC. SPECIAL INSPECTION IS REQUIRED FOR POST-INSTALLED ANCHORS, ACOUSTICAL CEILINGS (PER MOA HANDOUT A.04), AND METAL DECK DIAPHRAGMS. COPIES OF INSPECTION REPORTS MUST BE AVAILABLE TO THE CONSTRUCTION SITE FOR REVIEW BY THE MOA BUILDING SAFETY PERSONNEL.

## DEFERRED SUBMITTALS

THE FOLLOWING ITEMS ARE NOT INCLUDED IN THESE DRAWINGS AND REQUIRE STRUCTURAL DESIGN TO BE FURNISHED BY THE CONTRACTOR:

- 1. SEISMIC ANCHORAGE OF MECHANICAL & ELECTRICAL EQUIPMENT
- 2. EXTERIOR CLADDING, METAL STUDS, & STOREFRONT WALL SYSTEM
- 3. SEISMIC BRACING OF ACCORDIAN DOOR

DRAWINGS AND CALCULATIONS FOR BUILDER-DESIGNED COMPONENTS. SEALED BY AN ALASKA STATE REGISTERED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN. MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW FOR GENERAL CONFORMANCE TO THE CONTRACT DOCUMENTS PRIOR TO SUBMITTING TO BUILDING SAFETY FOR REVIEW. SUBMITTALS OF BUILDER-DESIGNED ITEMS MUST INCLUDE LOCATIONS, MAGNITUDES, AND DIRECTIONS OF ALL FORCES TRANSFERRED TO THE STRUCTURE. DEFERRED SUBMITTALS MUST BE REVIEWED AND APPROVED BY BUILDING SAFETY PRIOR TO INSTALLATION/CONSTRUCTION.

## SUBMITTALS

THE CONTRACTOR MUST REVIEW, STAMP WITH THEIR APPROVAL, DATE AND SIGN ALL SHOP DRAWINGS AND SUBMITTALS REQUIRED BY THE CONTRACT DRAWINGS PRIOR TO SUBMITTAL TO THE ENGINEER. AT THE TIME OF SUBMISSION, THE CONTRACTOR MUST INFORM THE ENGINEER IN WRITING OF ANY DEVIATION IN THE SHOP DRAWINGS FROM THE REQUIREMENTS OF THE CONTRACT DRAWINGS. DIMENSIONS AND QUANTITIES ARE THE CONTRACTOR'S RESPONSIBILITY AND WILL NOT BE REVIEWED.

(E)

## POST-INSTALLED ANCHORS

INSTALLATION MUST CONFORM TO MANUFACTURER'S INSTRUCTIONS AND REQUIREMENTS OF ICC-ES REPORT. ALL POST-INSTALLED ANCHORS MUST HAVE A CURRENT ICC-ES REPORT AND BE AUTHORIZED FOR USE IN SEISMIC DESIGN CATEGORY D. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR ALL POST-INSTALLED ANCHORS, UON.

THREADED ROD MUST BE ASTM A307, UON (OR ISO898 CLASS 5.8), TENSILE STRENGTH OF 60 KSI MIN, AND GALVANIZED WHERE EXPOSED TO THE WEATHER.

HOLES MUST BE HAMMER DRILLED. EXISTING BASE MUST BE SCANNED PRIOR TO DRILLING HOLES. EXISTING REBAR LOCATIONS MUST BE MARKED, AND NEW ANCHOR LOCATIONS REVISED TO AVOID EXISTING REINFORCING. NO REINFORCING BARS MUST BE CUT TO INSTALL ANCHORS. ALL DEFECTIVE ANCHOR HOLES MUST BE GROUTED AND A NEW HOLE DRILLED A MINIMUM OF 3 BOLT DIAMETERS AWAY.

ADHESIVE ANCHORS FOR THREADED ROD AND REBAR MUST BE ONE OF THE FOLLOWING (OR AN APPROVED EQUIVALENT):

MASONRY (SOLID): -SIMPSON "SET-XP" (IAPMO UES ER-265) -HILTI "HY-270" (ESR-4143) -DEWALT "AC100+gold" (ESR-3200)

SCREW ANCHORS IN CONCRETE AND GROUT FILLED MASONRY MUST BE ONE OF THE FOLLOWING (OR AN APPROVED EQUIVALENT):

-HILTI "KH-EZ" (ESR-3027 CONC, ESR-3056 CMU) -SIMPSON "TITEN HD" (ESR-2713 CONC, ESR-1056 CMU) -ITW "TAPCON+" (ESR-3699 CONC ONLY)

-ITW "TAPCON" (ESR-1671 CMU ONLY)

-DEWALT "SCREW-BOLT+" (ESR-3889 CONC, ESR-4042 CMU)

#### STRUT FRAMING

ALL STRUT FRAMING CONSTRUCTION AND DESIGN MUST CONFORM TO THE AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION.

FRAMING, PRODUCT NUMBERS AND FITTINGS NOTED HERE-IN ARE PER THE UNISTRUT GENERAL ENGINEERING MANUAL. PROVIDE ALL CHANNELS, FITTINGS AND FASTENERS FROM A SINGLE MANUFACTURER. OTHER KNOWN MANUFACTURERS EQUAL TO UNISTRUT ARE B-LINE. SEASAFE. AND STRUT-TECH.

#### STRUCTURAL STEEL

MATERIALS:

ASTM A36 ALL SHAPES & PLATE: STRUCTURAL STEEL TUBES: ASTM A500, GRADE C

ALL DETAILING, FABRICATION AND ERECTIONS MUST CONFORM TO AISC SPECIFICATIONS AND CODES, LATEST EDITION.

ALL WELDING MUST BE DONE BY QUALIFIED WELDERS AND MUST CONFORM TO THE AWS D1.1 AND D1.8, LATEST EDITIONS. ALL WELDING ELECTRODES MUST BE PROPERLY CONDITIONED 70 KSI MINIMUM TENSILE STRENGTH, WITH DIFFUSED HYDROGEN LEVELS OF 16ml/g (H16) OR LESS IN ACCORDANCE WITH AWS A4.3.

STEEL DECK AND COLD-FORMED STEEL MAY BE WELDED WITH E60 ELECTRODES. WELDING MUST BE IN ACCORDANCE WITH AWS D1.3. "SPECIFICATION FOR THE WELDING OF SHEET STEEL IN STRUCTURES".

THERE MUST BE NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

THE CONTRACTOR MUST BE RESPONSIBLE FOR THE CONTROL OF ALL ERECTION PROCEDURES AND SEQUENCES. CONSIDERATION SHOULD BE GIVEN TO TEMPERATURE DIFFERENTIALS, ESPECIALLY WITH RESPECT TO STRUCTURAL STEEL FRAMING INTO CONCRETE WALLS, BEAMS, OR COLUMNS.

ALL STEEL MUST BE CLEANED BY METHODS COMPLYING WITH THE STEEL STRUCTURES PAINTING COUNCIL METHOD SSPC-SP3, POWER TOOL CLEANING. REMOVE OIL. GREASE, AND SIMILAR CONTAMINANTS. EXCEPT FOR MEMBERS TO BE WELDED, APPLY STRUCTURAL STEEL PRIMER PAINT IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS TO A UNIFORM DRY FILM THICKNESS OF 2.0 MILS. AFTER FINAL STEEL INSTALLATION, WIRE BRUSH EXPOSED STEEL SURFACES AND CLEAN WITH SOLVENTS BEFORE TOUCH-UP PAINTING. TOUCH-UP PAINT MUST BE THE SAME AS SHOP PAINT.

STEEL EXPOSED TO WEATHER OR INDICATED AS GALVANIZED MUST BE HOT-DIP GALVANIZED PER ASTM A123. TOUCH-UP AND REPAIR GALVANIZATION MUST CONFORM TO ASTM A780. FASTENERS MUST COMPLY WITH ASTM A153.

THE CONTRACTOR MUST SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW. THESE DRAWINGS MUST BE CHECKED BY THE CONTRACTOR BEFORE SUBMITTAL AND MUST SHOW SHOP FABRICATION DETAILS, FIELD ASSEMBLY DETAILS, AND ERECTION DIAGRAMS FOR ALL STRUCTURAL STEEL. ALSO SUBMIT WELDERS' QUALIFICATIONS.

International Building Code

**IBC** 

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#### STRUCTURAL STEEL DECK

ALL STEEL DECKING MUST MEET ASTM A 653-SS, GRADE 50, WITH A MINIMUM YIELD STRENGTH OF 50 KSI. ALL DECKING MUST BE GALVANIZED PER ASTM A653-G60. ALL ROOF METAL DECK MUST BE LAPPED A MINIMUM OF 2-INCHES.

MINIMUM DECK GAGES ARE SHOWN ON PLANS AND ARE BASED ON 3-SPAN, UNSHORED CONDITIONS. HEAVIER DECK MAY BE REQUIRED FOR OTHER CONDITIONS, DEPENDING ON THE MANUFACTURER'S AND CONTRACTOR'S LAYOUT. ALL DECK MUST SATISFY AISI, "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".

#### FASTEN STEEL DECKING PER SCHEDULE:

### ROOF DECK, Q-design (ASD) = 285 PLF:

SUPPORTING STEEL: q4 PATTERN, #10 SCREW AT 12-INCHES ON CENTER. SIDE LAPS: PUNCHLOK II CONNECTION (VSC2) SIDELAP CONNECTION AT 12-INCHES ON CENTER.

"PUNCHLOK" OR "DELTA-GRIP" OR OTHER ENHANCED PUNCHING CONNECTION SYSTEM MAY BE SUBSTITUTED FOR ROOF SIDE LAPS, AND MECHANICAL 'PAF' FASTENERS MAY BE SUBSTITUTED FOR SUPPORTING STEEL CONNECTIONS. CONTRACTOR MUST SUBMIT CALCULATIONS TO SHOW UNIT SHEAR CAPACITIES OF ALTERNATE FASTENER LAYOUT EXCEEDS THE "Q-design" INDICATED ABOVE.

PROVIDE CONTINUOUS METAL CLOSURES AT ALL SLAB OPENINGS AND SLAB EDGES AND CONTINUOUS DECK CLOSURE AT ALL DECK ENDS. PROVIDE, AS REQUIRED, ALL RIDGE AND VALLEY PLATES, COLUMN CLOSURES, CANT STRIPS, SUMP PLATES AT PIPING PENETRATIONS AND RECESSED SUMP PANS AT ALL ROOF DRAINS. PROVIDE SUPPLEMENTAL FRAMING AT OPENINGS AS REQUIRED FOR SUPPORT OF THE METAL DECK. ALL OPENING SIZES AND LOCATIONS MUST BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS

THE DECK SUPPLIER MUST CONFIRM THE DECK SIZE FOR THE ACTUAL LAYOUT AND PROVIDE THE ENGINEER WITH ENGINEERING CALCULATIONS OR PUBLISHED MANUFACTURER'S DATA VERIFYING THE SPECIFIED DECK REQUIREMENTS.

PROVIDE CHECKED SHOP DRAWINGS INDICATING LOCATION, GAGE, AND SIZE OF EACH PIECE OF DECKING. THE DRAWINGS MUST CLEARLY SHOW WELDING DETAILS TO STRUCTURAL FRAMING AND SIDE LAP CONNECTIONS DETAILS.

COLD FORMED STEEL MUST MEET ASTM A1003 STRUCTURAL GRADE 50 TYPE H (Fy=50 KSI) FOR 14 GAUGE (68 MIL) OR 16 GAUGE (54 MIL) MEMBERS AND ASTM A1003 STRUCTURAL GRADE 33 TYPE H (Fy=33 KSI) FOR 18 GAUGE (43 MIL) AND LIGHTER MEMBERS.

ALL STRUCTURAL MEMBERS MUST BE DESIGNED PER THE AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION.

USE ONLY ONE MANUFACTURER OF COLD FORMED JOIST THROUGHOUT THE WORK, UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR SPECIFICALLY APPROVED IN ADVANCE BY THE ENGINEER. ACCEPTABLE JOIST MANUFACTURERS INCLUDE ANY MEMBER OF THE STEEL STUD MANUFACTURER'S ASSOCIATION.

PROVIDE ALL ACCESSORIES INCLUDING TRACKS, CLIPS, WEB STIFFENERS, ANCHORS, FASTENING DEVICES, RESILIENT CLIPS, AND OTHER ITEMS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION. INSTALL ALL ITEMS RECOMMENDED BY THE MANUFACTURER.

FASTENING OF COMPONENTS MUST BE WITH SELF-DRILLING SCREWS (ASTM C1513) OR WELDS OF SUFFICIENT SIZE TO INSURE THE STRENGTH OF THE CONNECTION. WIRE TYING OF COMPONENTS MUST NOT BE PERMITTED. ALL WELDS MUST BE TOUCHED UP WITH A ZINC-RICH PAINT.

## UNLESS OTHERWISE INDICATED:

1. TRACKS MUST BE CONNECTED WITH TWO #10 SCREWS OR PAF TO SUPPORTING SUBSTRATE AT EACH STUD, OR AN EQUIVALENT EQUAL SPACING; 2. STUDS MUST BE CONNECTED TO TOP AND BOTTOM TRACKS WITH TWO #10 SCREWS, ONE AT EACH FLANGE;

# School District

**REVISIONS** 

No Description

**KEY PLAN** 

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BDS, Inc. Entity #25796D

ARCHITECTS Architecture | Planning | Roof Technolog

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BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES **ACADEMIC AREA** 

4025 E Northern Lights BDS Project No.: ASD Project No.:

> **BID DOCUMENTS** NOVEMBER 7, 2023

418001.002

STRUCTURAL **GENERAL** NOTES & **ABBREVIATIONS** 

BLKG EΑ Each INT  $\mathsf{OH}$ Overhead SIM Similar TYP Typical Blocking Interior LAG BMEQ **OPNG** SOG UON AB Anchor Bolts Beam Equal. Earthquake Lag Screw Opening Slab-on-Grade Unless Otherwise Noted **VERT** BLDG BOT LOC STL EW PLBuilding Bottom Each Way Location Plate Vertical ARCH Architect BTWN EXP LONG PLS T&B W/ With Between Expansion Longitudinal Places Top and Bottom **PSF** T&G MAX W/O Anchor Rod CL FDN Foundation Without Center-Line Maximum Pounds-per-square-foot Tongue and Groove ALT CLR MEZZ PSI T.O. Pounds-per-square-inch Alternate Clear Finished Floor Top of Wide-Flange, Wide Mezzanine FV MIN REQ'D T.O.B. W/C Authority Having Jurisdiction COL Column Field Verify Minimum Required Top of Beam Water / Cement Ratio AFF MFR RO Above Finish Floor CONC GLB Glue-Laminated Beam T.O.S. Top of Steel W.P. Concrete Manufacture Rough Opening Work Point **SBN** ADH CONT Continuous, Continue HORZ (N) **Shearwall Boundary Nailing** T.O.W. Top of Wall Welded Wire Reinforcement Adhesive Horizontal HSS SCH ADD'L DBN **TRANS** Additional Diaphragm Boundary Nailing Hollow Structural Steel On-Center Schedule Transverse

1. SEE ARCH SHEETS A1.02 AND A1.03 FOR REQUIRED

LOCATIONS; IF ADDITIONAL LOCATIONS WITH NO

THIS DETAIL APPLIES.

GAGE.

4

POSITIVE ATTACHMENT BETWEEN CMU PARTITION WALL AND FOUNDATION ARE FOUND DURING CONSTRUCTION,

2. IF EXISTING DOWELS BETWEEN CMU WALL AND SOG ARE

ENCOUNTERED DURING CONSTRUCTION, DO NOT CUT

3. ANGLE CAN BE PLACED ON EITHER SIDE OF WALL. COORD

MINIMUM ANGLE LENGTH = 2'-0"; MINIMUM OF (2) ANCHORS

PER ANGLE. ADJACENT PIECES OF ANGLE DO NOT HAVE

TO BE WELDED TOGETHER. CONTRACTOR OPTION TO

FIELD DRILL HOLES IN ANGLE OR PREDRILL HOLES @ 8"

OC ALONG THE LENGTH TO PROVIDE FLEXIBILITY IN THE

FIELD. INSTALL SCREWS IN ANGLE AT ANGLE WORKABLE

(E) SOG

EXISTING DOWELS. THIS DETAIL IS NOT APPLICABLE.

EPA and OSHA requirements.

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CHIP MORTAR FROM

JOINT AS REQ'D TO

VARIES,

SEE ARCH

SLIDE HORZ LEG

INTO JOINT

\_\_\_\_\_\_

R/O

-CUT OPNG AT

**MORTAR JOINT** 

W/ 1/4"x2" SQ PLATE

WASHER FAR SIDE

–(E) 8" CMU WALL

VERT REINF

**ENGINEER** 

OF R/O IS GRE

**CLOSEST VERT F** 

VERT REINF

NEY LOCATION OF (E)

ROPOSED EDGE

THAN 16" TO

CONTACT

1/2"Ø THRU-BOLT EA END

IN WALL

-L6x4x5/16 Ll

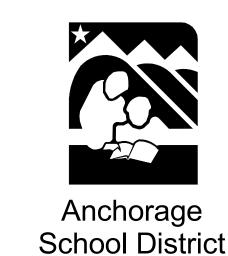
UNGROUTE

MAX 2'-0"

) CMU WALL OPENING IN (E) WALL

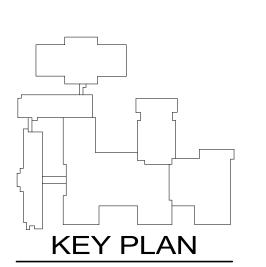
TRIM HORIZ

LEG OF L6

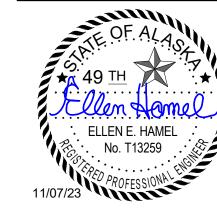


**REVISIONS** 

No Description



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BDS, Inc. Entity #25796D ARCHITECTS

Architecture | Planning | Roof Technology 3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635

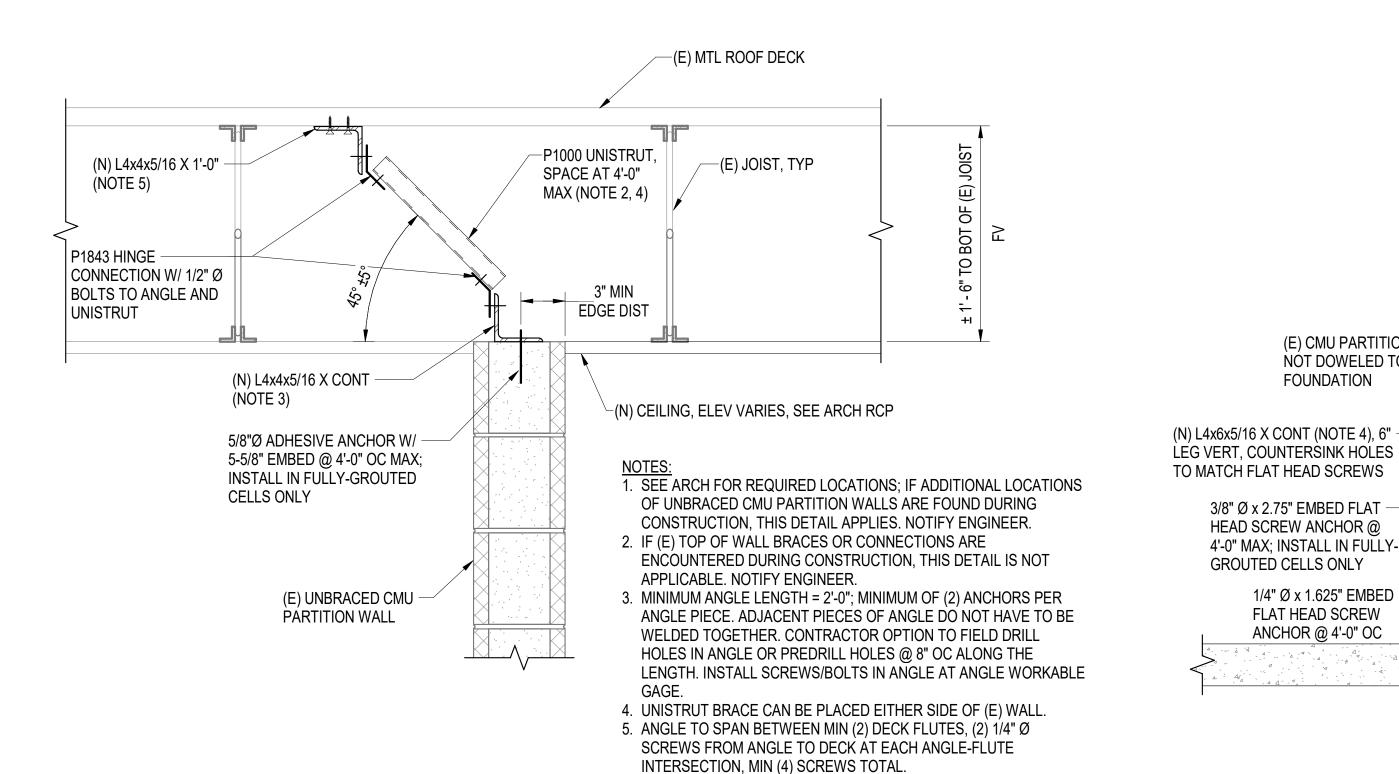
W: www.bdsak.com BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES

ACADEMIC AREA

4025 E Northern Lights BDS Project No.: ASD Project No.: 418001.002

> **BID DOCUMENTS** NOVEMBER 7, 2023

**STRUCTURAL DETAILS** S1.01



\S1.01 \ 11/2" = 1'-0"

2 DETAIL AT BOTTOM OF (E) CMU PARTITION WALL

(E) CMU PARTITION WALL

NOT DOWELED TO

FOUNDATION

3/8" Ø x 2.75" EMBED FLAT

HEAD SCREW ANCHOR @

GROUTED CELLS ONLY

4'-0" MAX; INSTALL IN FULLY-

1/4" Ø x 1.625" EMBED

FLAT HEAD SCREW

ANCHOR @ 4'-0" OC

(N) STOREFRONT, SEE ARCH SHEET AA4.02 -STOREFRONT TO ANGLE CONN PER STOREFRONT SYSTEM MFR -(N) Lx4x4x1/4 X CONT (NOTE 1) (E) CMU WALL -1/4" Ø X 1.625" EMBED MASONRY SCREW @ 16" OC; SCAN TO AVOID (E) REBAR, NOTE 3

1. MINIMUM ANGLE LENGTH = 4'-0". ADJACENT PIECES OF ANGLE DO NOT HAVE TO BE

2. DESIGN WIND LOAD ON STOREFRONT SYSTEM EQUALS 43 PSF GROSS ULTIMATE

ADD ALT 4 - 3. ANCHORS STRESSED TO LESS THAN 50%, SPECIAL INSPECTION NOT REQUIRED. STOREFRONT

SECTION AT BOTTOM STOREFRONT CONNECTION S1.01 1 1/2" = 1'-0"

WELDED TOGETHER. (C&C, ZONE 4, EFFECTIVE WIND AREA = 20 SF).

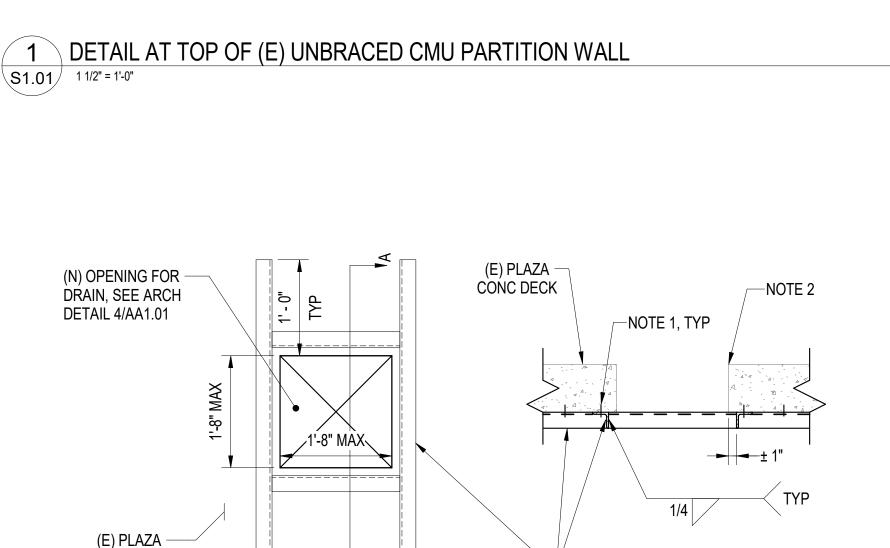
-(E) ROOF DECK -(N) Lx4x4x1/4 X CONT (NOTE 1) -1/4" Ø X 1.625" EMBED CONCRETE SCREW @ 16" OC; SCAN TO AVOID (E) STOREFRONT TO ANGLE CONN (E) CONC BEAM-PER STOREFRONT SYSTEM MFR; MFR TO PROVIDE COMPENSATION CHANNEL (N) STOREFRONT, SEE ARCH SHEET AA4.02

1. MINIMUM ANGLE LENGTH = 4'-0". ADJACENT PIECES OF ANGLE DO NOT HAVE TO BE WELDED TOGETHER.

2. DESIGN WIND LOAD ON STOREFRONT SYSTEM EQUALS 43 PSF GROSS ULTIMATE (C&C, ZONE 4, EFFECTIVE WIND AREA = 20 SF).

ADD ALT 4 -STOREFRONT

> SECTION AT TOP STOREFRONT CONNECTION S1.01 11/2" = 1'-0"



(N) L2x2x1/4, TYP AT

**OPENING PERIMETER** 

SECTION A-A

12" OC MAX, FULL-LENGTH OF (N) ANGLE. SCAN TO AVOID (E) REBAR.

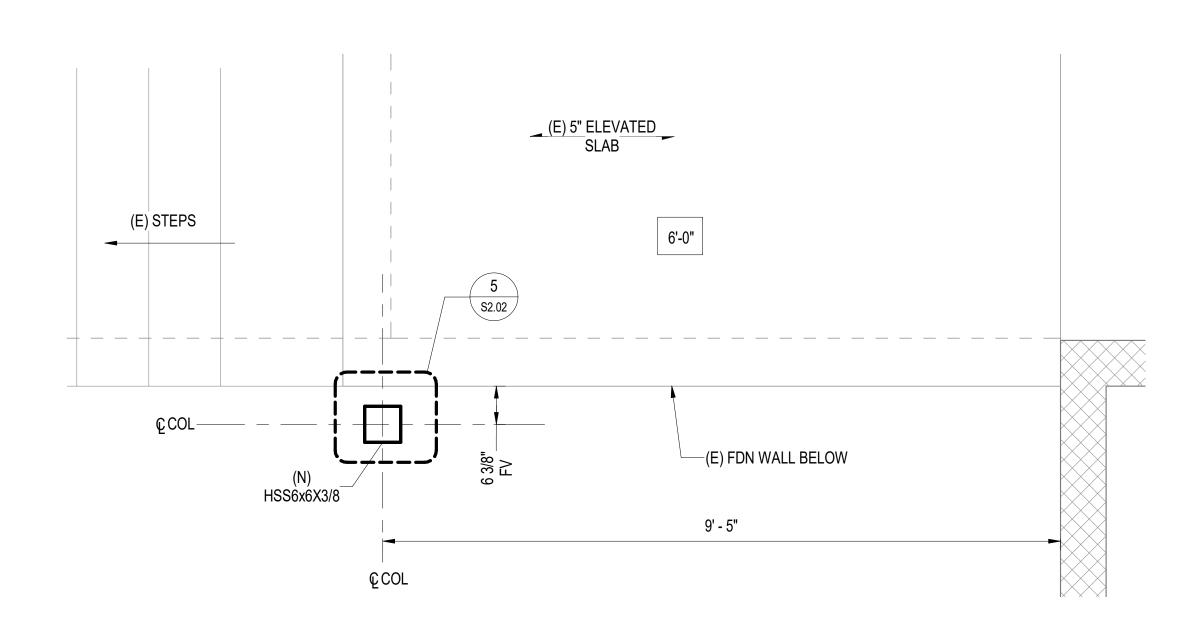
CONC DECK

ADD ALT 1 -PLAZA REPAIR

DETAIL AT PLAZA DECK OPENING

S1.01 1" = 1'-0"

PLAN AT NEW ROOF DRAIN 1. ATTACH (N) ANGLE TO (E) SLAB w/ 1/4" Ø X 1.625" EMBED CONCRETE SCREWS @ 2. SAWCUT (E) CONCRETE. DO NOT OVERCUT CORNERS. MAY CUT UP TO (3) EXISTING REBAR IN EACH DIRECTION.



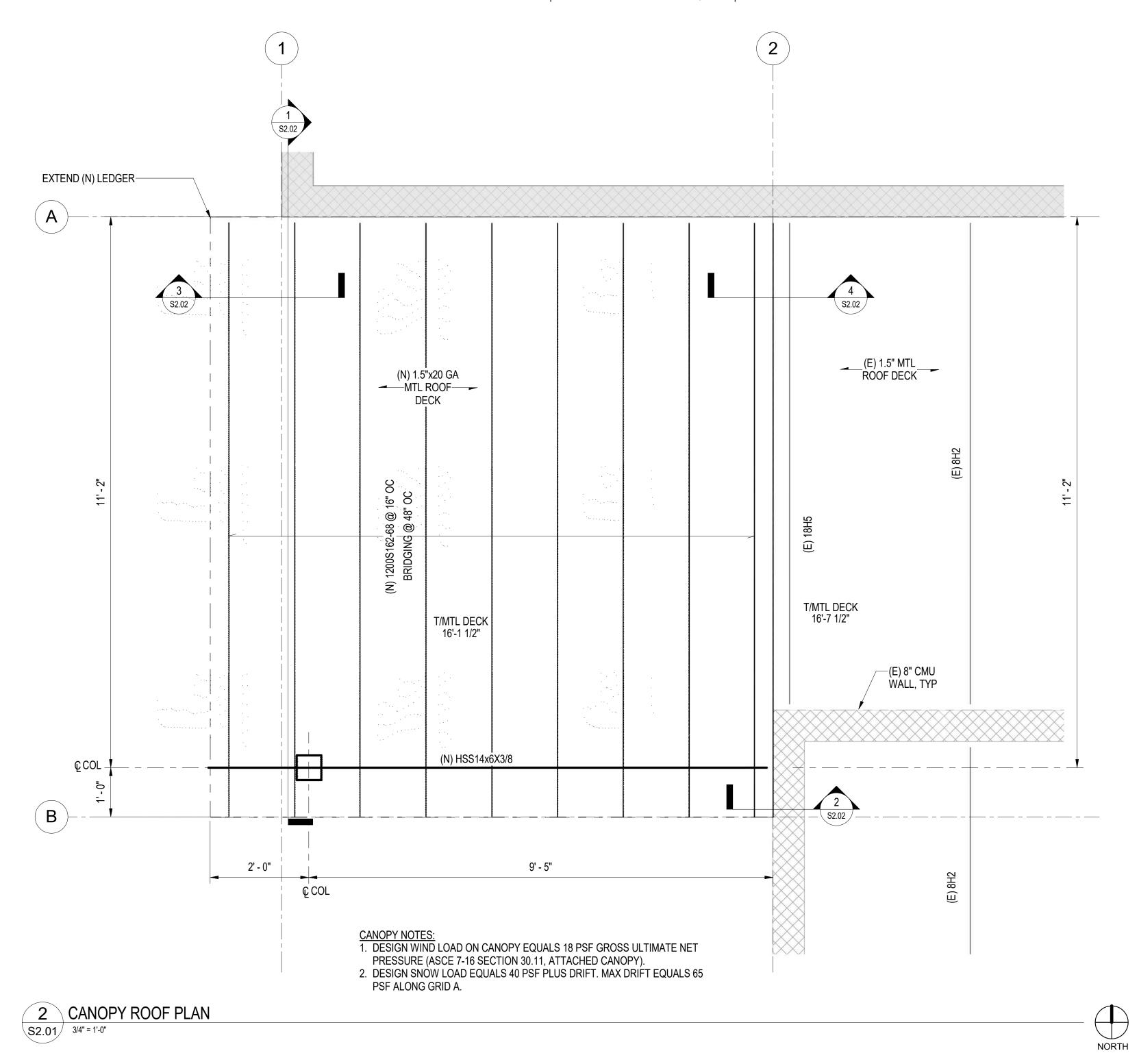
1 CANOPY COLUMN FDN PLAN S2.01 3/4" = 1'-0" NOTIFICATION OF CHILD OCCUPIED FACILITY:
Portions of this building are classified as Child Occupied Facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1 and 2 for specific information concerning disturbing, removing and disposing of lead materials and the installation

of new materials or components. This notification is provided in accordance with

EPA and OSHA requirements.

NORTH

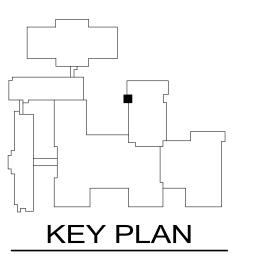
NOTIFICATION OF POTENTIAL HAZARDS:
Asbestos, lead, and other hazardous materials are present in the building and may impact the work of all trades. Regulated air contaminants, including asbestos and lead, are also present in settled and concealed dust in and on Architectural, Structural, Mechanical, and Electrical components or systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.





REVISIONS

No Description Date



Reid Middleton

4300 B St., Suite 302 Anchorage, AK 99503
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BDS, Inc. Entity #25796D



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BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

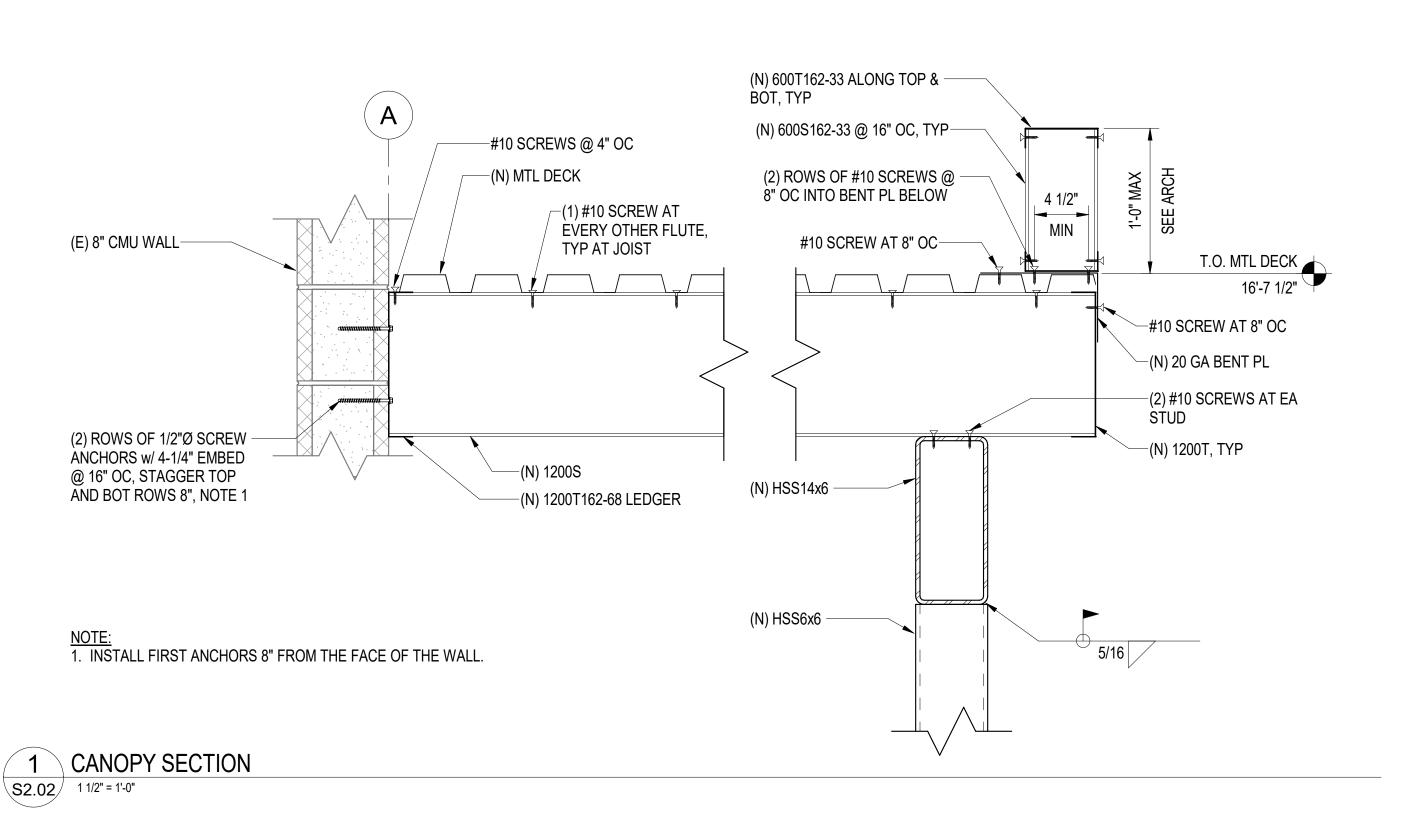
4025 E Northern Lights

BDS Project No.: 418001.002

ASD Project No.: 1900002

BID DOCUMENTS NOVEMBER 7, 2023

EXTERIOR CANOPY PLANS S2.01



(E) CMU WALL-PARAPET PER 1/S2.02 -(N) MTL DECK 0 1200T AROUND PERIMETER, TYP (N) 1200T--(N) SCREW ANCHORS -PÉR 1-/-S2.02 (FIRST ANCHORS OFF GRID NOT STAGGERED)

3 OVERHANG SECTION

S2.02 1 1/2" = 1'-0"



(N) 1200T-

(E) CMU WALL

\_(N) 18 GA BENT PL:

10# SCREW @ 12" OC-

—(N) 1200S

(E) MTL DECK

-(1) #10 SCREW AT **EVERY OTHER FLUTE** 

(N) SCREW ANCHOR

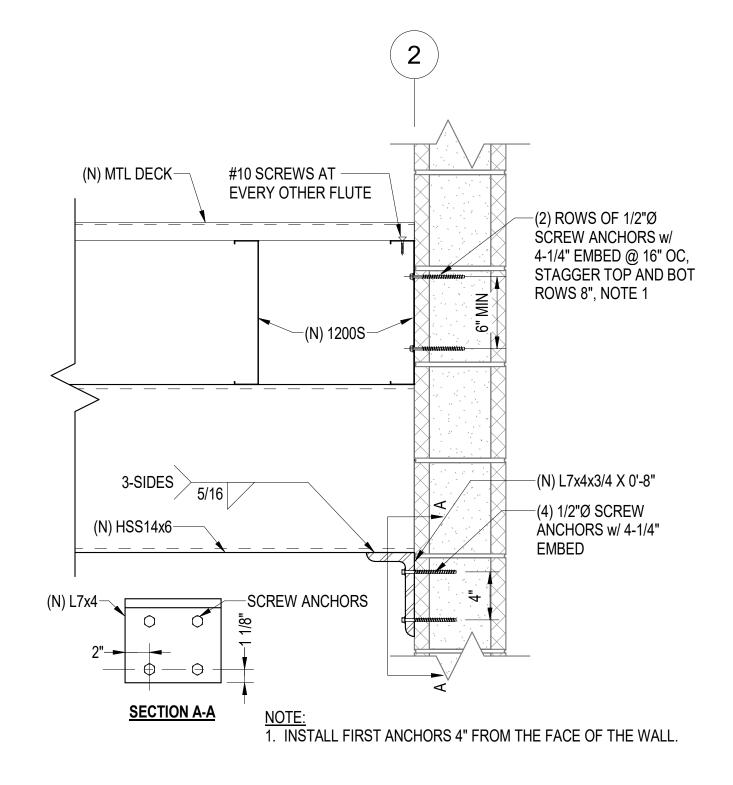
PER 1/S2.02

-(E) JOIST

NOTIFICATION OF CHILD OCCUPIED FACILITY:

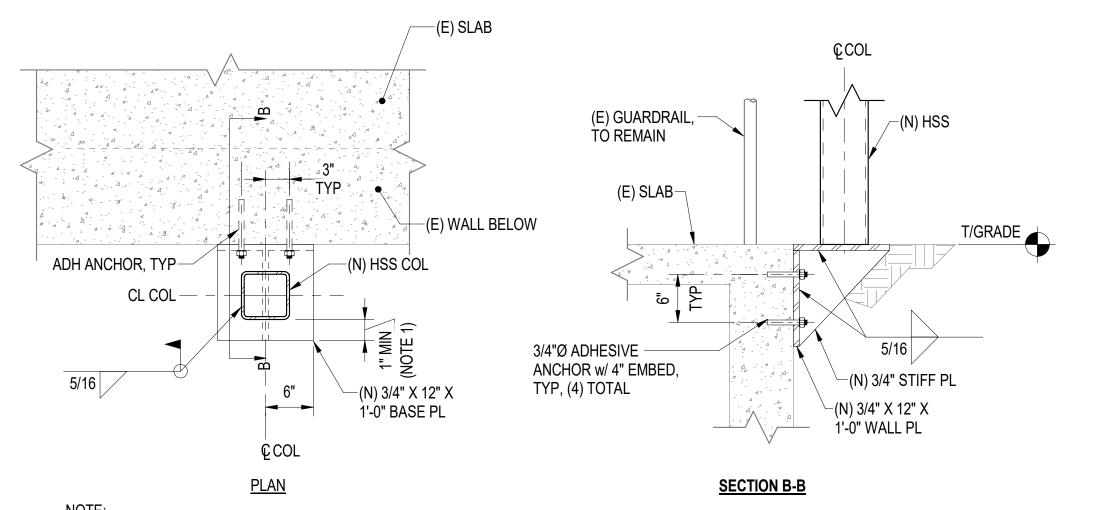
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# 2 CMU CONNECTION AT GRID 2

S2.02 1 1/2" = 1'-0"



NOTE:
1. CONTRACTOR TO CONFIRM PRIOR TO FABRICATION OF BASE PL THAT DIMENSION CAN BE MET IN THE FIELD. CONTACT ENGINEER IF DIMENSION CANNOT BE MET.

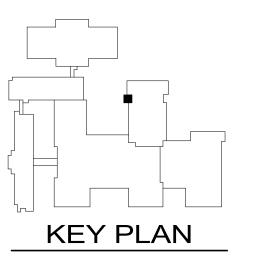
# 5 COLUMN BASE PL DETAIL

S2.02 1" = 1'-0"



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No Description Date





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3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: ASD Project No.: 418001.002

> BID DOCUMENTS NOVEMBER 7, 2023

**EXTERIOR** CANOPY S2.02

**ABBREVIATIONS GENERAL** Portions of this building are classified as a child occupied facility in accordance Asbestos, lead, and other hazardous materials are present in the building and may with 40 CFR 745 and lead-based paints may be present on components to be impact the work of all trades. Regulated air contaminants, including asbestos and DESCRIPTION SYMBOL lead, are also present in settled and concealed dust in and on Architectural, disturbed in those areas. Personnel performing work in these areas must INCHES MERCURY comply with the requirements of 40 CFR 745, including training, work practices Structural, Mechanical, and Electrical components or systems throughout the AND INCHES WATER COLUMN IN WC SHEET NOTE CONVENTION: building. All trades shall coordinate with other trades and conduct their work to and cleaning of the work area. Refer to Specification Divisions 0, 1, and 2 for INSUL NUMBER INSULATION specific information concerning disturbing, removing, and disposing of lead prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, PERCENT IPS INTERNATIONAL PIPE STANDARD REFERENCED SHEET NOTE and 2 for specific information concerning disturbing, removing, and disposing of materials and the installation of new materials or components. This notification ACCESS DOOR THERMAL CONDUCTIVITY these materials and the installation of new materials or components. This is provided in accordance with EPA and OSHA requirements. GENERAL SHEET NOTE AREA ALARM PANEL KW KILOWATT notification is provided in accordance with EPA and OSHA requirements. AMERICANS WITH DISABILITIES ACT KILOWATT HOUR ADA KWH ABOVE FINISHED FLOOR LEAVING AIR TEMPERATURE ABOVE FINISHED GRADE POUNDS PER HOUR AUTHORITY HAVING JURISDICTION POUNDS NORTH ARROW AIR-HANDLING UNIT LINEAR FEET AHU ALTERNATE LENGTH LEAVING WATER TEMPERATURE **GENERAL PIPING PLUMBING GENERAL NOTES** AIR MOVEMENT AND CONTROL ASSOCIATION AMCA LOCATION/LOCATED DETAIL REFERENCE AMERICAN NATIONAL STANDARDS INSTITUTE LOW PRESSURE ansi - DETAIL NUMBER SYMBOL ABBR. DESCRIPTION SYMBOL ABBR. DESCRIPTION DRAWING INFORMATION IS BASED UPON AVAILABLE OWNER DRAWINGS AIR PRESSURE DROP APD LONG RADIUS 、M0.1 <del>↓</del> AND LIMITED FIELD VERIFICATION. DRAWING INFORMATION DOES NOT - SHEET WHERE DETAIL APPEARS APPROX APPROXIMATE MANUAL COLD WATER CW  $-\infty$ BALL VALVE REPRESENT AS-BUILT CONDITIONS. FIELD VERIFY EXISTING PIPES, MIXED AIR TEMPERATURE ACID RESISTANT DUCTS, AND EQUIPMENT LOCATIONS, ROUTING, CONTROLS, AND ARCH ARCHITECTURAL MANUAL AIR VENT PHOTOGRAPH REFERENCE HOT WATER GATE VALVE HW GV \_\_\_\_\_  $\longrightarrow$ APPURTENANCES PRIOR TO START OF WORK. ASME AMERICAN SOCIETY OF MECHANICAL ENGINEERS MAX MAXIMUM PHOTOGRAPH LETTER THOUSAND BTU PER HOUR ATM **ATMOSPHERE** FIELD COORDINATE THE EXACT LOCATIONS OF EQUIPMENT, PIPING, DUCT 、M1.3 <del>√</del> HOT WATER CIRCULATION **---**>●**X**|--GLOBE VALVE HWC AUTO AUTOMATIC MECH MECHANICAL - SHEET WHERE PHOTOGRAPH APPEARS WORK, AND CONTROLS WITH EXISTING AND NEW WORK, INCLUDING RATED AVG AVERAGE MANUFACTURER MFR ASSEMBLIES, CONSTRUCTION PHASING, AND STRUCTURAL REQUIREMENTS. **VENT** BUTTERFLY VALVE \_ — — — — — BV AMERICAN WIRE GAUGE AWG MANHOLF. BAS BUILDING AUTOMATION SYSTEM MINIMUM, MINUTE REMOVE ABANDONED OR INDICATED FOR DEMOLITION PIPES, DUCTS, —₩— TRAP PRIMER TDV TRIPLE DUTY VALVE SECTION REFERENCE BACKDRAFT DAMPER MILES PER HOUR EQUIPMENT AND CONTROLS. REMOVE BRACKETS, STEMS, HANGERS, MTD BRAKE HORSEPOWER, BOILER HORSEPOWER MOUNTED CONDUIT, CONDUCTORS, DEVICES, AND OTHER ACCESSORIES. — SECTION LETTER FORCE MAIN. WASTE WATER CV **-**CHECK VALVE BLDG NOT APPLICABLE BUILDING - SHEET WHERE SECTION APPEARS NOISE CRITERIA, NORMALLY CLOSED PLUG, PATCH, REPAIR HOLES AND SURFACES. REFINISH SURFACE AND BLW BELOW -WASTE WATER BACKFLOW PREVENTER ASSEMBLY BOD BOTTOM OF DUCT NATIONAL FIRE PROTECTION ASSOCIATION REPAIR ASSEMBLIES TO MATCH EXISTING FIRE, TEMPERATURE, AND/OR BOP BOTTOM OF PIPE SMOKE RATINGS. REPAIR DAMAGED SURFACES, INSULATION, CEILING NOT IN CONTRACT **──**⋈ PRV PRESSURE REDUCING VALVE POINT OF CONNECTION SD STORM DRAIN BRITISH THERMAL UNIT NORMALLY OPEN, NUMBER BTU TILES, AND FIREPROOFING. SEAL ROOM PENETRATIONS TO MAINTAIN BTUH BTU PER HOUR NOT TO SCALE PRESSURE RELATIONSHIPS TO ADJACENT SPACES. PLUMBING FIXTURE NUMBER RAINLEADER, OVERFLOW RAINLEADER  $\longrightarrow$  $\bigvee$  $\vdash$ PRV PRESSURE REGULATOR VALVE COMMON, CONDENSATE OUTSIDE DIAMETER OBTAIN EQUIPMENT TAGS AND BAR CODES FROM FACILITY MAINTENANCE; OFOI OWNER FURNISHED, OWNER INSTALLED CENTER TO CENTER  $\mathsf{C}\mathsf{-}\mathsf{C}$ EQUIPMENT TAG ——44—— HB HOSE BIBB PLUG VALVE INCORPORATE INFORMATION ON CONTRACTOR, AS-BUILTS, REDLINES AND CAP CAPACITY, END CAP OUTSIDE AIR CONTROLS WORK. CCW COUNTER-CLOCKWISE - EQUIPMENT DESIGNATION WATER HAMMER ARRESTER **---**|♥ SOV SOLENOID OPERATED VALVE PRESSURE DROP OR DIFFERENCE COOLING FAN, CIRCULATING FAN, CUBIC FOOT OBTAIN AND REVIEW EQUIPMENT VENDOR'S - EQUIPMENT NUMBER CFM PROPYLENE GLYCOL CUBIC FEET PER MINUTE PREINSTALLATION/INSTALLATION DRAWINGS AND MANUALS BEFORE PLUMBING AND DRAINAGE INSTITUTE PLATE CAST IRON MOV 2 WAY MOTOR OPERATED VALVE STARTING WORK. CONFLICTS BETWEEN VENDOR REQUIREMENTS AND **PLUMBING** WATER HAMMER ARRESTER SIZE A, B, C, D, OR CENTER LINE AIR OUTLET TAG CONTRACT DOCUMENTS SHALL BE RESOLVED WITH OWNER AND ENGINEER POC CEILING POINT OF CONNECTION 3 WAY MOTOR OPERATED VALVE BEFORE STARTING WORK. CONFIRM VENDOR FURNISHED EQUIPMENT - AIR OUTLET DESIGNATION AUTOMATIC TRAP PRIMER VALVE CMPR PNL COMPRESSOR AND MATERIALS FOR CONTRACTOR INSTALLATION. COEF PHASE (ELECTRICAL) COEFFICIENT ——▼— 2 WAY PNEUMATIC OPERATED VALVE FCO, YCO | FLOOR CLEANOUT, YARD CLEANOUT CONC PPM PARTS PER MILLION CONCRETE SHOP DRAWINGS AND PHASING PLANS SHALL BE REVIEWED BY COND CONDENSER PSI POUNDS PER SQUARE INCH CONTRACTOR WITH ALL SUB-CONTRACTORS AND SIGNED-OFF AS **──────** BASEBOARD FINTUBE TAG 3 WAY PNEUMATIC OPERATED VALVE PSIA POUNDS PER SQUARE INCH - ABSOLUTE WCO WALL CLEANOUT CTR CENTER ACCEPTABLE BEFORE PROCEEDING WITH WORK. COPIES OF SIGNED-OFF PSID POUNDS PER SQUARE INCH - DIFFERENTIAL LF GPM COPPER, CONDENSING UNIT DRAWINGS SHALL BE SUBMITTED TO OWNER AND ENGINEER. - FINTUBE DESIGNATION POUNDS PER SQUARE INCH - GAUGE FD, FS FLOOR DRAIN, FLOOR SINK CU IN CUBIC INCH BALANCING VALVE COORDINATE PHASING REQUIREMENTS AND SERVICE DISRUPTIONS WITH VALVE FLOW COEFFICIENT PRESS PRESSURE RD, ORD ROOF DRAIN, OVERFLOW ROOF DRAIN THE OWNER. OBTAIN SPECIFIC AGREEMENT OF THE TIMES AND CW CLOCKWISE -FCV AUTOMATIC FLOW CONTROL VALVE - LINEAR FEET OF FINTUBE ELEMENT REFRIGERANT (407C,410A,ETC.) DURATIONS OF SYSTEM DISRUPTIONS BEFORE STARTING WORK. DECIBEL R-407C, DBT DRY-BULB TEMPERATURE R-410A (XXX)AIR TERMINAL UNIT TAG ARRANGE WORK TO PROVIDE WORKABLE ACCESS TO SERVICEABLE OR SAFETY VALVE, PRESSURE RELIEF VALVE **PIPING** DIRECT DIGITAL CONTROL R/A RETURN AIR OPERABLE EQUIPMENT. LOCATION OF VALVES, TRAPS, STRAINERS, DEG OR \* RAD RADIANT OR RADIATION DEGREE MOTORS, DAMPER OPERATORS, ETC., SHALL BE EASILY ACCESSIBLE BY SYMBOL ABBR. DESCRIPTION DEGREE CENTIGRADE RCVR RECEIVER LINE CONVENTION VACUUM BREAK DEG C PERSON STANDING ON THE FLOOR. ITEMS NOT IN THE OPEN SHALL BE DEG F DEGREE FAHRENHEIT RECIRC RECIRCULATE NEW OR REINSTALLED ITEM READILY ACCESSIBLE THROUGH ACCESS OPENINGS IN THE BUILDING HEATING WATER SUPPLY HWS DEMO DEMOLITION RED REDUCER CONSTRUCTION. PROVIDE UL LISTED ACCESS PANELS TO MATCH FIRE REFRIG -----ITEM TO BE DEMOLISHED DENS DENSITY REFRIGERATION AIR VENT, AUTO WITH ISOLATION VALVE RATING OF ASSEMBLIES. HEATING WATER RETURN HWR DIAGRAM REV DGM REVOLUTIONS EXISTING ITEM TO REMAIN DUCTILE IRON RELIEF FAN OR RETURN FAN AIR VENT, MANUAL EXISTING ITEM TO BE RELOCATED GLYCOL HEATING SUPPLY DIA OR DIAMETER RELATIVE HUMIDITY DIFFERENCE OR DELTA DRAWING INDEX RM GLYCOL HEATING RETURN REVOLUTIONS PER MINUTE PRESSURE & TEMP TEST PLUG DUCTILE IRON PIPE RPM **VENTILATION** REVOLUTIONS PER SECOND DIAMETER-INDEX SAFETY SYSTEM DISS FNCLOSURE M0.01 LEGEND & ABBREVIATIONS SUPPLY AIR SYMBOL ABBR. DESCRIPTION STRAINER W/ BLOWDOWN HOSE FITTING BASEBOARD FINTUBE RADIATION M0.02 SCHEDULES DITTO SATURATION FINTUBE ELEMENT SCHEDULE OVERALL PLAN - MECHANICAL - MAIN LEVEL SCHD DOUBLE LINE DUCTWORK EQUIPMENT OR PIPE DRAIN VALVE DOUBLE WIDTH DOUBLE INLET STANDARD CUBIC FEET PER MINUTE DWDI OVERALL PLAN - MECHANICAL - UPPER & LOWER LEVELS UNIT HEATER W/HOSE FITTING DWG DRAWING STORM DRAIN SINGLE LINE DUCTWORK MD1.01 DEMOLITION MAIN LEVEL - MECHANICAL - AREA E EXISTING SECONDARY EQUIPMENT OR PIPE DRAIN PLUG MD1.02 DEMOLITION MAIN LEVEL - MECHANICAL - AREA F CABINET UNIT HEATER, HORIZONTAL OR VERTICAL FLEX DUCTWORK W/HOSE FITTING MAIN LEVEL - MECHANICAL - AREA E EXHAUST AIR SENSIBLE HEAT SLOT GRILLES/REGISTERS/DIFFUSERS ENTERING AIR TEMPERATURE SENSIBLE HEAT GAIN MAIN LEVEL - MECHANICAL - AREA F CONTROLS REDUCER (CONCENTRIC) SHR SHT SENSIBLE HEAT RATIO EXHAUST FAN ADD ALT 2 - MAIN LEVEL - PLUMBING - ENLARGED S/A GRILLES/REGISTERS/DIFFUSERS - SUPPLY AIR EFFICIENCY ADD ALT 2 - MAIN LEVEL - PLUMBING - ENLARGED DESCRIPTION SYMBOL ABBR. FLOW ARROW ETHYLENE GLYCOL, EXHAUST GRILLE SHWR SHOWER ADD ALT 2 - MAIN LEVEL - PLUMBING - ENLARGED GRILLES/REGISTERS/DIFFUSERS - RETURN AIR ELEC R/A ELECTRICAL STATIC PRESSURE (1) $\longrightarrow$ ANCHOR ADD ALT 1 — ENLARGED PLAN PLAZA STATIC PRESSURE DROP TSTAT **THERMOSTAT** ELEV **ELEVATION EMBEDMENT** SPECIFICATION, SPECIFIED FAN ROOM DUCT REPAIR GRILLES/REGISTERS/DIFFUSERS - EXHAUST AIR (H), PIPE GUIDE HUMIDISTAT ENTERING SPRINKLER MECHANICAL DETAILS EQIV FT EQUIVALENT FEET SHORT RADIUS **→** → OR **→** AIR FLOW ARROW M3.02REFERENCE PHOTOS \_----... \_\_\_\_ PIPE SLEEVE EXTERNAL STATIC PRESSURE SINGLE WIDTH SINGLE INLET LOW VOLTAGE CONTROL EVAP **EVAPORATOR** VD AIR VOLUME DAMPER PIPE UNION SS STD STAINLESS STEEL, SANITARY SEWER EXPANSION CS CURRENT SWITCH -FD FIRE DAMPER ENTERING WATER TEMPERATURE EWT STANDARD PIPE FLANGE -SUCT FAHRENHEIT SUCTION SMOKE DAMPER CT CURRENT TRANSMITTER FACE AREA TRANSFER AIR FLEXIBLE CONNECTION FACE TO FACE TEMPERATURE, TEMPORARY FIRE-SMOKE DAMPER FS FLOW SWITCH FIRE DAMPER THRU THROUGH LINE BREAK FLEX TOD TOP OF DUCT FLEXIBLE ACOUSTICAL DUCT LINING TEMPERATURE TRANSMITTER FLR FL00R TONS TONS OF REFRIGERATION END CAP  $\overline{\phantom{a}}$ FOB FLAT ON BOTTOM TOP OF PIPE DUCT INSULATION TEMPERATURE INDICATOR TRANSMITTER FLAT ON TOP TYPICAL PIPE UP / TEE UP --O--UNDERGROUND FREEZING POINT UG FPM FEET PER MINUTE UNLESS NOTED OTHERWISE PRESSURE INDICATOR TRANSMITTER 12ø DUCT: ROUND PIPE DOWN (ELBOW) UNIFORM PLUMBING CODE FEET PER SECOND —DPS— FIRE-SMOKE DAMPER VOLTS OR VOLTAGE DIFFERENTIAL PRESSURE SWITCH PIPE DOWN (TEE) DUCT: RECTANGULAR FSDM FIRE-SMOKE DAMPER, MODULATING 20X12 < VACUUM FT OR FOOT OR FEET VOLTS (ALTERNATING CURRENT) FIRST FIGURE SIDE SHOWN DIFFERENTIAL PRESSURE INDICATOR FACE VELOCITY VALVE 20X12 F.O. DUCT: FLAT OVAL FIRE PROTECTION VAPOR PRESSURE GAGE OR GAUGE VAP P FIRST FIGURE SIDE SHOWN GALLONS VARIABLE PRESSURE INDICATOR, GAUGE SYMBOL ABBR. DESCRIPTION GALLONS PER DAY VARIABLE AIR VOLUME **★** MOD MOTORIZED OPERATED DAMPER VDC VOLTS (DIRECT CURRENT) GALLONS PER HOUR FIRE WATER TEMPERATURE INDICATOR, THERMOMETER GALLONS PER MINUTE VELOCITY <del>\</del>/\/ OBD OPPOSED BLADE DAMPER VERT WET PIPE VERTICAL GRD GRILLES, REGISTERS, DIFFUSERS VFD VARIABLE FREQUENCY DRIVE AFMS AFMS AIRFLOW MEASURING STATION PBD PARALLEL BLADE DAMPER ++++ **PENDANT** VOL VOLUME HDPE HIGH DENSITY POLYETHYLENE VELOCITY PRESSURE BACK DRAFT DAMPER **UPRIGHT** FLOW INDICATOR VARIABLE SPEED DRIVE HEIGHT VENT THROUGH ROOF SIDEWALL DAMPER **HORSEPOWER** UP AND DOWN HOUR(S) RETURN EXHAUST ROUND HVAC HEATING, VENTILATING & AIR-CONDITIONING WITHOUT UNDER WET BULB TEMPERATURE FREQUENCY DUCT TURNING DRY PENDANT IAW IN ACCORDANCE WITH WATER COLUMN UP OR TOWARD WATT-HOUR DRY SIDEWALL WEATHER PROOF, WATER PROOF INVERT ELEVATION INTERNATIONAL BUILDING CODE WATER PRESSURE DROP RETURN EXHAUST ROUND INTERNATIONAL FIRE CODE WEIGHT INTERNATIONAL MECHANICAL CODE DUCT TURNING IN OR " ZONE VALVE BOX INCH OR INCHES DOWN OR AWAY NOTE: THIS IS A STANDARD LEGEND, SOME OF THE SYMBOLS SHOWN ON LEGEND ARE NOT NECESSARILY ON THE DRAWINGS.

NOTIFICATION OF POTENTIAL HAZARDS:



Anchorage School District

REVISIONS

No Description Date



Adams, Morgenthaler & Co., Inc

CoA No. C0342 - 907.257.9100

701 E. Tudor Rd. Suite 250

Anchorage, AK 99503



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ARCHITECTS

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BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights
BDS Project No.: 418001.002
ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

LEGEND &
ABBREVIATIONS

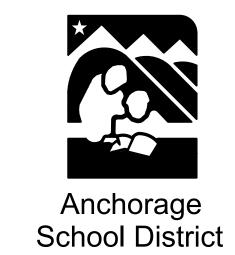
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	PLUMBING F	IXTU	RE CC	DNNE	CTION	SCHE	DULE
SYMBOL	FIXTURE	WASTE (INCH)	VENT (INCH)	HW (INCH)	CW (INCH)	POWER	REMARKS, BASIS OF DESIGN
SECTION 2	2 4000 - PLUMBING FI	XTURES					
P-1	WATER CLOSET	4	2	_	1	_	WALL MOUNTED, TOP SPUD, ELONGATED BOWL, MANUAL FLUSH VALVE, NEOPRENE GASKET.
P-1H	WATER CLOSET	4	2	_	1	-	WALL MOUNTED, TOP SPUD, ELONGATED BOWL, MANUAL FLUSH VALVE, NEOPRENE GASKET, ADA COMPLIANT.
P-2	URINAL	2	1-1/2	_	3/4	_	WALL MOUNTED, MANUAL FLUSH VALVE, SIPHON JET.
P-2H	URINAL	2	1-1/2	_	3/4	-	WALL MOUNTED, MANUAL FLUSH VALVE, SIPHON JET, ADA COMPLIANT.
P-3H	LAVATORY	1-1/2	1-1/2	1/2	1/2	-	WALL MOUNTED, METERED FAUCET, ADA COMPLIANT. VANDAL RESISTANT.
DF-1H	DRINKING FOUNTAIN	1-1/2	1-1/2	_	1/2	120/1	WALL MOUNTED, DUAL HEIGHT, WITH BOTTLE FILL, NON-REFRIGERATED, ADA COMPLIANT.
RD-1	PLAZA ROOF DRAIN	AS NOTED	_	_	-	_	COATED CAST IRON BODY WITH COMBINED FLASHING CLAMP AND GRAVEL STOP, SUMP RECEIVER AND UNDERDECK CLAMP.
RD-2	PLAZA ROOF DRAIN	AS NOTED	_	_	_	_	COATED CAST IRON BODY WITH COMBINED FLASHING CLAMP AND GRAVEL STOP, SUMP RECEIVER AND UNDERDECK CLAMP.

	AIR IN	ILET/	OUT!	LET SC	HEDU	LE	
SYMBOL	SCFM RANGE	MAX NC	MAX APD (IN WC)	ACTIVE FACE SIZE (INCH)	DUCT SIZE (INCH)	BASIS OF DESIGN	REMARKS
SECTION 2	3 3700 – A	IR OUTL	ETS AND	INLETS			
SA	200 MAX	10	0.041	18X18	10	TITUS TDCA-AA	CEILING DIFFUSER: ALUMINUM, 24X24 MODULE, ADJUSTABLE PATTERN, ROUND NECK, LAY-IN CEILING BORDER.
SB	400 MAX	12	0.036	18X18	14	TITUS TDCA—AA	SAME AS SA, EXCEPT SIZE.
SC	525 MAX	12	0.036	18X18	16	TITUS TDCA-AA	SAME AS SA, EXCEPT SIZE.
RA	400 MAX	_	0.037	12X12	-	TITUS 50F	RETURN GRILLE: ALUMINUM, 1/2"X1/2"X1/2" EGGCRATE GRID, LAY-IN CEILING BORDER.
RB	700 MAX	_	0.024	24X12	-	TITUS 50F	SAME AS RA, EXCEPT SIZE.
RC	1875 MAX	_	0.037	24X24	-	TITUS 50F	SAME AS RA, EXCEPT SIZE.
EA	200 MAX	_	0.024	10X10	-	TITUS 50F	EXHAUST GRILLE: ALUMINUM, 1/2" X 1/2" X 1/2" EGGCRATE GRID, SURFACE MOUNT BORDER.
EB	400 MAX	_	0.037	12X12	-	TITUS 50F	SAME AS EA, EXCEPT SIZE.
EC	700 MAX	_	0.024	24X12	_	TITUS 50F	SAME AS EA, EXCEPT SIZE.
ED	1100 MAX	_	0.013	24X24	-	TITUS 50F	SAME AS EA, EXCEPT SIZE.
TA	330 MAX	14	0.04	12X12	-	TITUS 33RL	TRANSFER AIR GRILLE: STEEL 1/2" BLADE SPACING, 38 DEGREE DEFLECTION ANGLE, SURFACE MOUNT BORDER.
TB	750 MAX	-	0.002	24X24	_	TITUS 33RL	SAME AS TA, EXCEPT SIZE.

TERMINAL HEATING UNIT SCHEDULE													
SYMBOL	LOCATION	OUTPUT (MBH) (1)	FLUID	FLOW (GPM)	MAX WPD (FEET)	FLUID TEMP IN/OUT (DEGREES F)	MOTOR (HP,V,PH)	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN				
SECTION 23	8200 - TERMINAL HEA	ATING AND	COOLING	UNITS	İ								
FT-1	SEE PLANS	1159 BTU/LF	WATER	0.5	-	190/170	1	-	FINNED TUBE BASEBOARD: SLOPE TOP ENCLOSURE, 18" CABINET HEIGHT, 1-1/4" COPPER TUBING, SINGLE TIER OF FINS, 4-1/4" X 4-1/4" ALUMINUM FINS, 32 FINS/FOOT. RITTLING 1-1/4C-4-1/4X4-1/4-32, WITH 14 GAUGE S-L ENCLOSURE.				



**REVISIONS** No Description Date





3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

BDS Project No.: 418001.002

ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

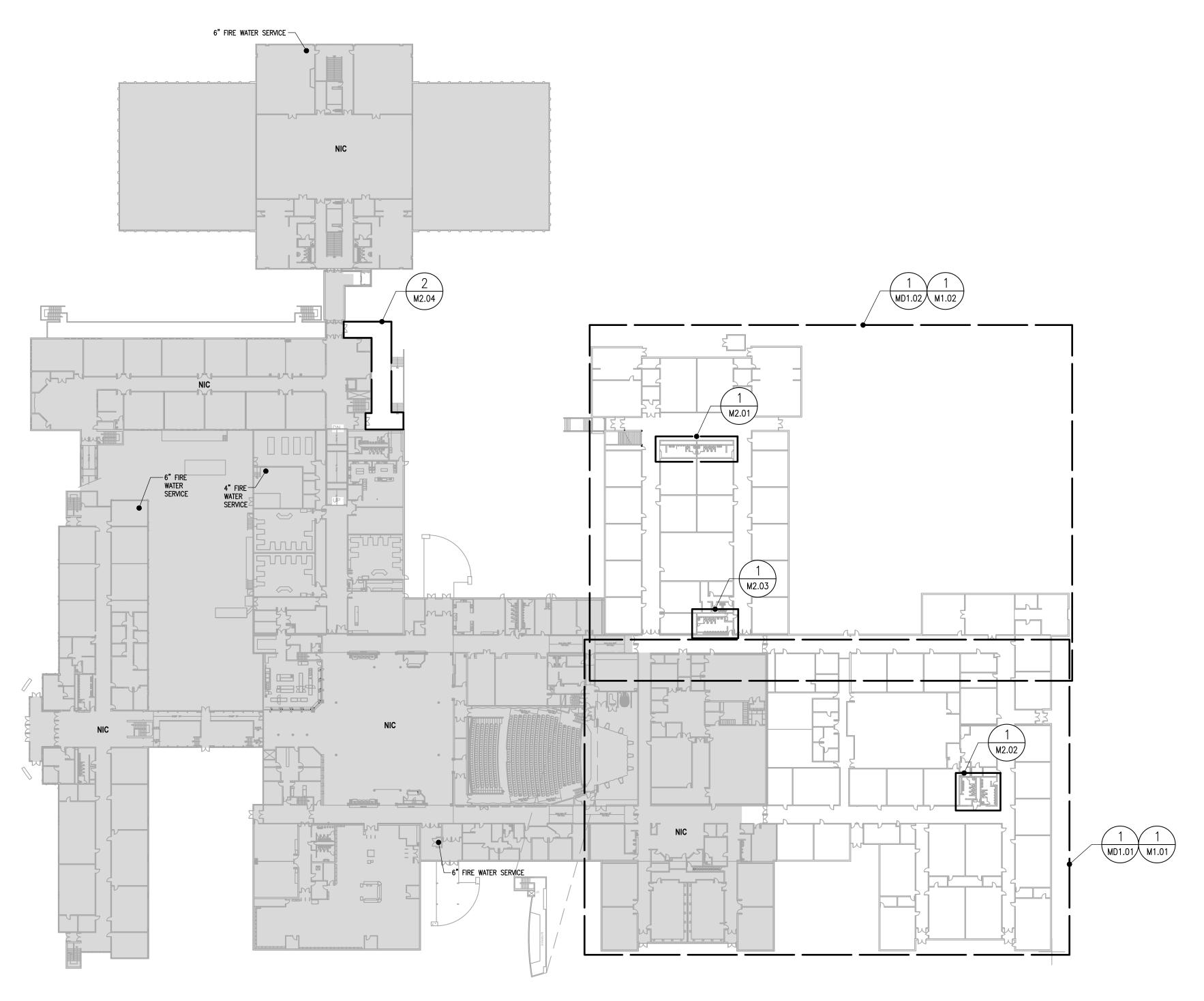
SCHEDULES

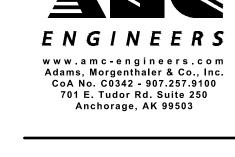
NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.



**REVISIONS** No Description Date







3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

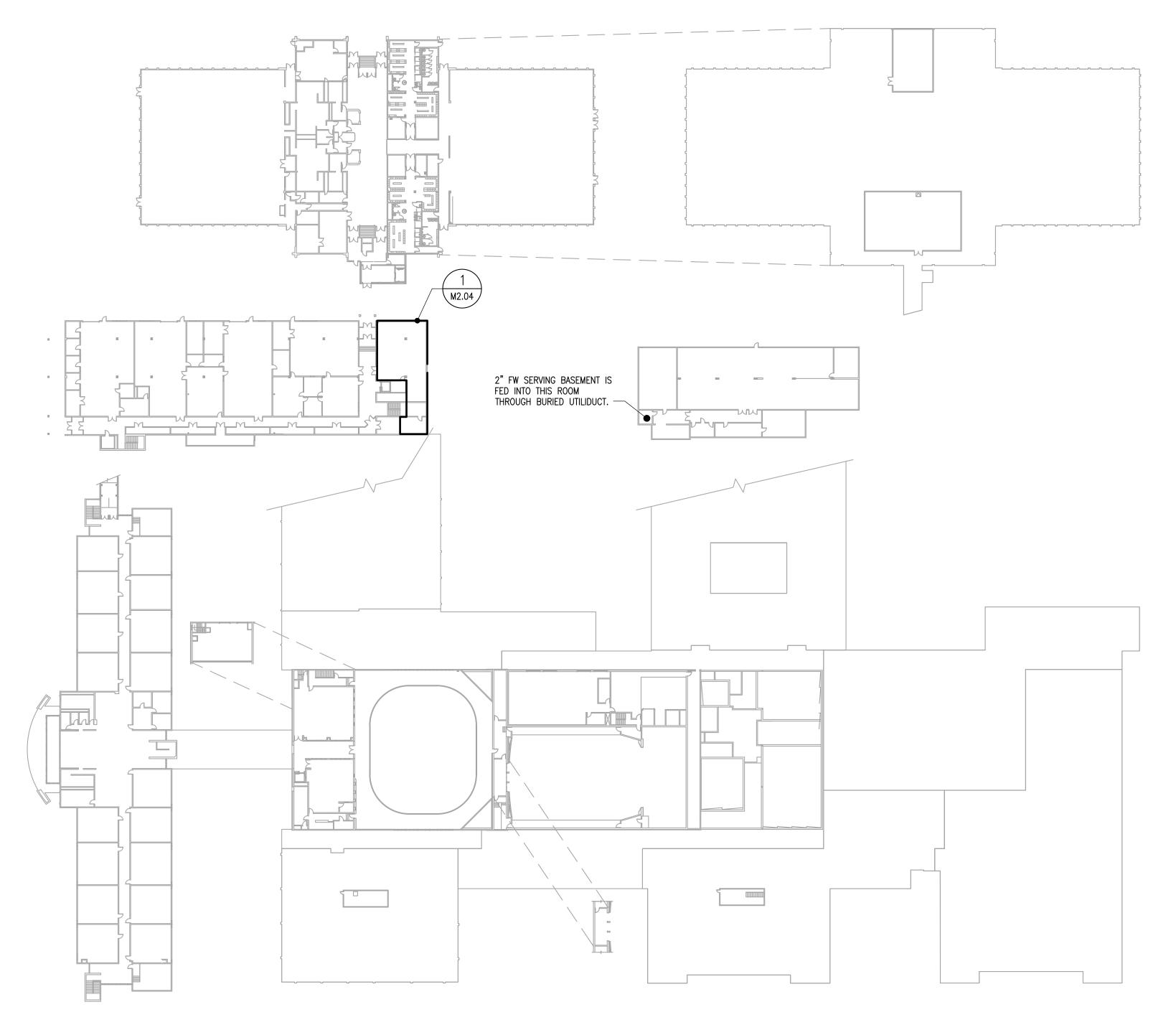
OVERALL PLAN -MECHANICAL -MAIN LEVEL

#### NOTIFICATION OF POTENTIAL HAZARDS:

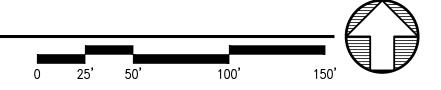
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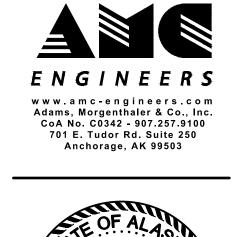


**REVISIONS** No Description Date











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BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

OVERALL PLAN -MECHANICAL -UPPER & LOWER LEVELS

NOTIFICATION OF POTENTIAL HAZARDS:

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# Anchorago

Anchorage School District

**REVISIONS** 

No Description Date

# **GENERAL NOTES**

- EXISTING CONDITIONS ARE BASED ON A LIMITED SITE VISIT AND DESIGN DRAWINGS DATED 1992, 1993 AND 1975. CONDUCT A SITE VISIT PRIOR TO BID SUBMISSION TO BECOME COMPLETELY FAMILIARIZED WITH SCOPE OF WORK. REPORT DISCREPANCIES TO OWNER BEFORE DISTURBING EXISTING CONDITIONS.
- 2. FIELD VERIFY EXISTING CONDITIONS.
- 3. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK.

# **DEMOLITION NOTES (\*)**

- REMOVE AND REPLACE CEILING DIFFUSERS, GRILLES AND FLEX DUCT IN SUPPORT OF SEISMIC UPGRADE AND SPRINKLER WORK ABOVE THE CEILING IN THIS ROOM.
- REMOVE AND RETAIN CABINET UNIT HEATER FOR REINSTALLATION IN SUPPORT OF SEISMIC UPGRADE AND SPRINKLER WORK ABOVE THE CEILING.
- ADD ALT 2: DEMOLISH PLUMBING FIXTURES AND PIPING IN THIS ROOM AND PREPARE FOR NEW FIXTURES IN NEW LOCATIONS. FIXTURES: 6 WATER CLOSETS, 4 LAVATORIES. REMOVE FLOOR DRAIN GRATE.
- ADD ALT 2: DEMOLISH PLUMBING FIXTURES AND PIPING IN THIS ROOM AND PREPARE FOR NEW FIXTURES IN NEW LOCATIONS. FIXTURES: 4 WATER CLOSETS, 6 URINALS, 3 LAVATORIES. REMOVE FLOOR DRAIN GRATE.
- ADD ALT 2: DEMOLISH DRINKING FOUNTAIN AND PREPARE PIPING FOR REPLACEMENT UNIT.
- ADD ALT 2: DEMOLISH BASEBOARD, BASEBOARD ENCLOSURE, VALVES, AND PIPING FED FROM BELOW. CAP PIPES BELOW FLOOR LEVEL. DEMOLISH THERMOSTAT AND WIREMOLD. REPAIR WALL AND FLOOR PER ARCHITECTURAL REQUIREMENTS.
- ADD ALT 4: DEMOLISH BASEBOARD, BASEBOARD ENCLOSURE, VALVES, THERMOSTAT, AND PIPING FED FROM BELOW. PREPARE PIPING FOR RECONNECTION. SEE 1M/3.02 FOR ORIGINAL FINNED TUBE DETAIL.
- ADD ALT 2: DEMOLISH WALL E/A GRILLE AND ASSOCIATED DUCTWORK TO ACCOMMODATE WALL REPLACEMENT. PREPARE DUCT FOR EXTENSION TO NEW GRILLE IN THE CEILING.





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BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

BDS Project No.: 418001.002

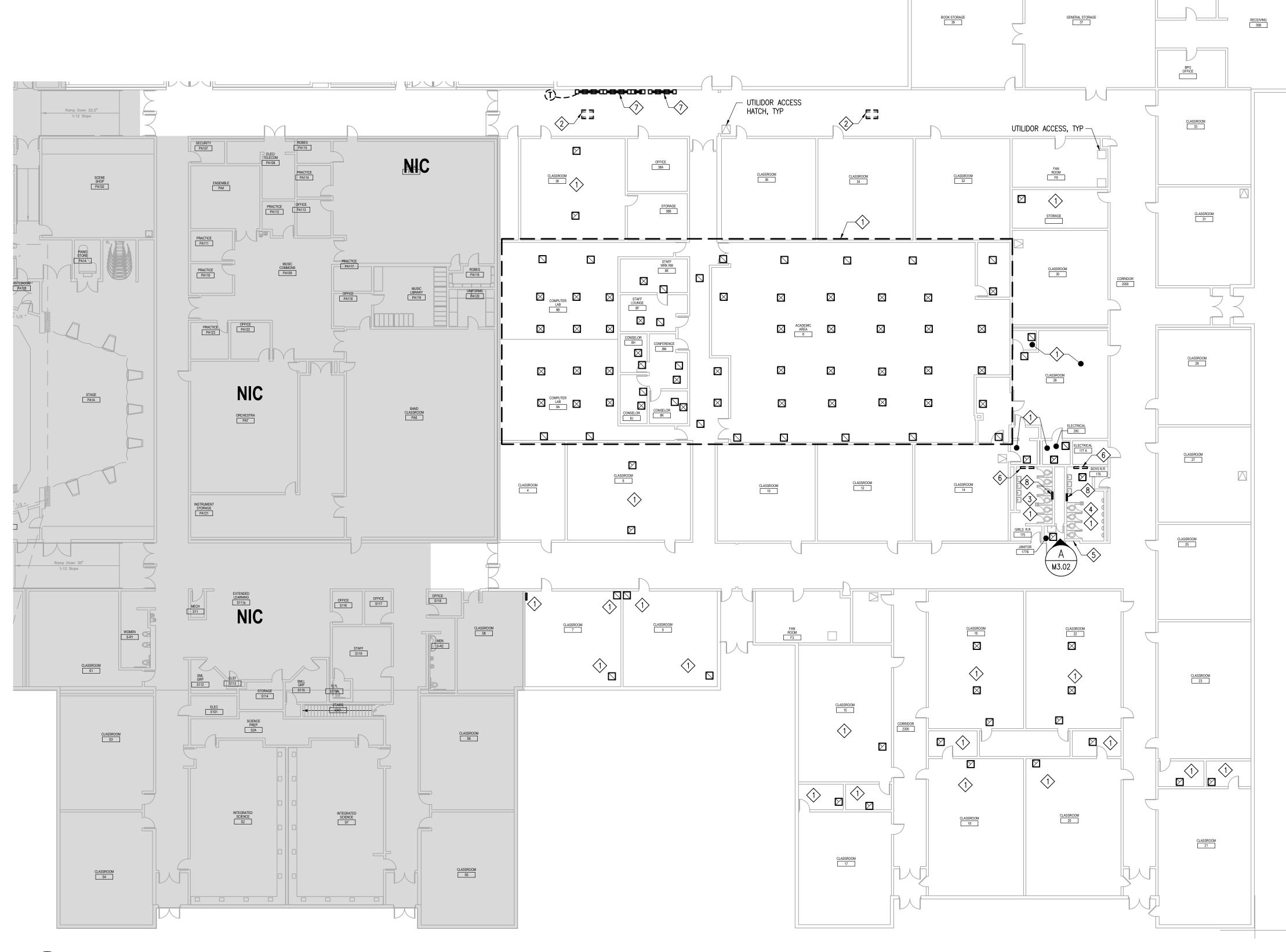
ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023 DEMOLITION MAIN

LEVEL -MECHANICAL -AREA E

MD1.01

**KEY PLAN** 





1 DEMOLITION MAIN LEVEL - MECHANICAL - AREA E

.01 SCALE: 1/16" = 1'-



**NOTIFICATION OF POTENTIAL HAZARDS:** 

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# Anchorage

**School District** 

**REVISIONS** 

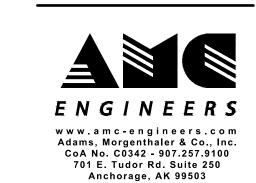
No Description Date

# **GENERAL NOTES**

- 1. EXISTING CONDITIONS ARE BASED ON A LIMITED SITE VISIT AND DESIGN DRAWINGS DATED 1992, 1993 AND 1975. CONDUCT A SITE VISIT PRIOR TO BID SUBMISSION TO BECOME COMPLETELY FAMILIARIZED WITH SCOPE OF WORK. REPORT DISCREPANCIES TO OWNER BEFORE DISTURBING EXISTING CONDITIONS.
- 2. FIELD VERIFY EXISTING CONDITIONS.
- 3. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK.

# **DEMOLITION NOTES (\*)**

- REMOVE AND REPLACE CEILING DIFFUSERS, GRILLES AND FILE DOOR IN COLLECTION OF SEISMIC UPGRADE AND SPRINKLER WORK ABOVE THE CEILING IN THIS ROOM. REMOVE AND REPLACE CEILING DIFFUSERS, GRILLES AND FLEX DUCT IN SUPPORT
- ADD ALT 2: DEMOLISH BASEBOARD, BASEBOARD ENCLOSURE, VALVES, AND PIPING FED FROM BELOW. CAP PIPES BELOW FLOOR LEVEL. DEMOLISH THERMOSTAT AND WIREMOLD. REPAIR WALL AND FLOOR PER ARCHITECTURAL REQUIREMENTS.
- ADD ALT 2: DEMOLISH PLUMBING FIXTURES AND PIPING IN THIS ROOM AND PREPARE FOR NEW FIXTURES IN NEW LOCATIONS FIXTURES. PREPARE FOR NEW FIXTURES IN NEW LOCATIONS. FIXTURES: 4 WATER CLOSETS, 2 LAVATORIES. REMOVE FLOOR DRAIN GRATE.
- ADD ALT 2: DEMOLISH PLUMBING FIXTURES AND PIPING IN THIS ROOM AND PREPARE FOR NEW FIXTURES IN NEW LOCATIONS. FIXTURES: 2 WATER CLOSETS, 4 URINALS, 3 LAVATORIES, REMOVE FLOOR DRAIN GRATE.
- ADD ALT 2: DEMOLISH PLUMBING FIXTURES AND PIPING IN THIS ROOM AND PREPARE FOR NEW FIXTURES IN NEW LOCATIONS SYSTEMS. PREPARE FOR NEW FIXTURES IN NEW LOCATIONS. FIXTURES: 4 WATER CLOSETS, 9 URINALS, 4 LAVATORIES. REMOVE FLOOR DRAIN GRATE.
- ADD ALT 2: DEMOLISH DRINKING FOUNTAIN AND PREPARE PIPING FOR REPLACEMENT UNIT.
- ADD ALT 2: DEMOLISH WALL E/A GRILLE AND ASSOCIATED DUCTWORK TO ACCOMMODATE WALL REPLACEMENT. PREPARE DUCT FOR EXTENSION TO NEW GRILLE IN THE CEILING.







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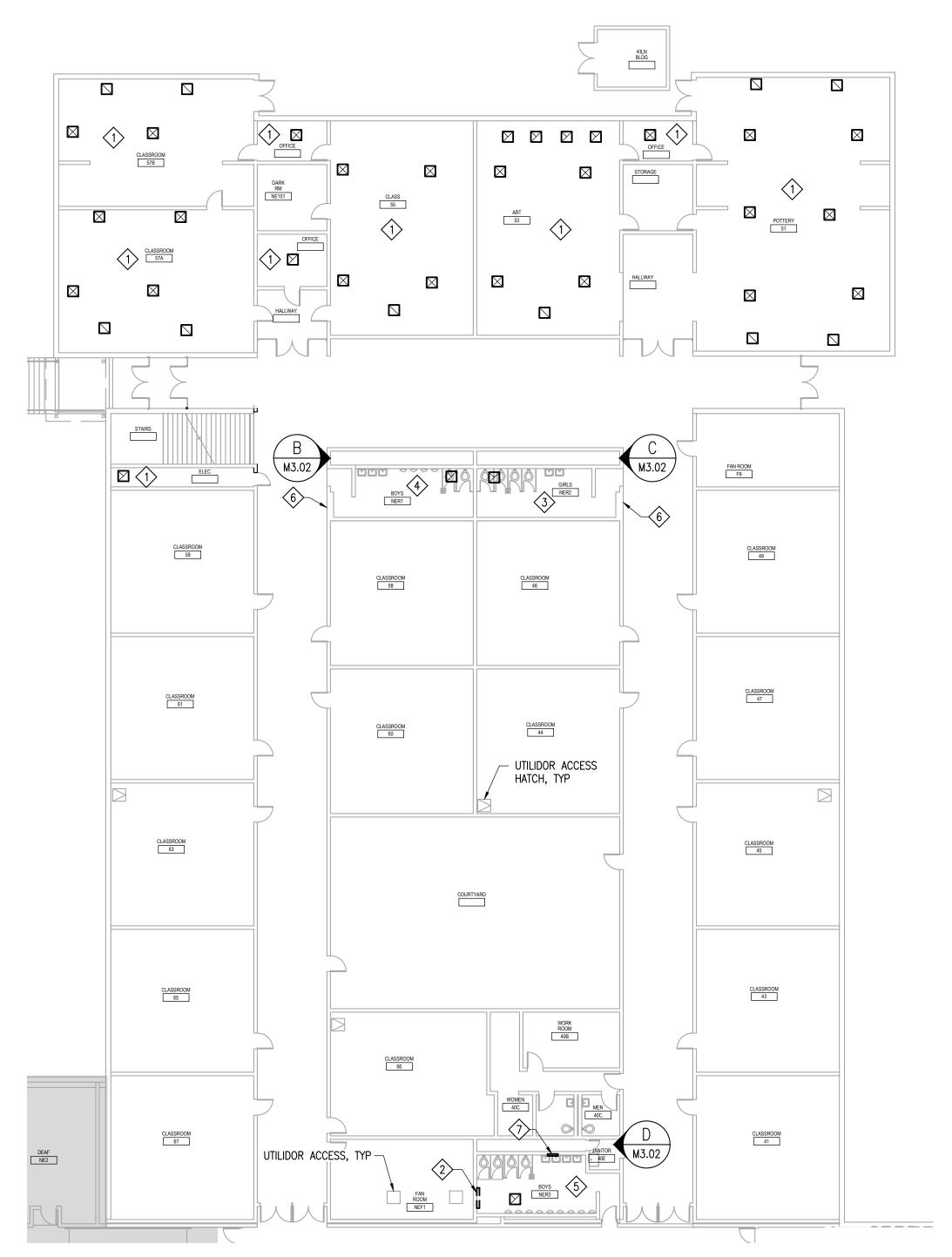
BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023 **DEMOLITION MAIN** 

LEVEL -MECHANICAL -AREA F

MD1.02





MD1.02 | SCALE: 1/16" = 1'-0"





NOTIFICATION OF POTENTIAL HAZARDS:

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Anchorage School District

**REVISIONS** 

No Description Date

## **GENERAL NOTES**

- EXISTING CONDITIONS ARE BASED ON A LIMITED SITE VISIT AND DESIGN DRAWINGS DATED 2003, 2013 AND 2014. CONDUCT A SITE VISIT PRIOR TO BID SUBMISSION IN ORDER TO BECOME COMPLETELY FAMILIARIZED WITH SCOPE OF WORK. REPORT DISCREPANCIES TO OWNER BEFORE DISTURBING EXISTING CONDITIONS.
- 2. FIELD VERIFY EXISTING CONDITIONS.
- 3. PROVIDE SPRINKLER COVERAGE IN ROOMS SHOWN ON DRAWING.
- PROVIDE NEW DIFFUSERS, GRILLES AND FLEX DUCT. DIFFUSERS AND GRILLES FED FROM DUCTWORK IN CEILING, SEE DETAILS 1/M3.01, 2/M3.01, AND 3/M3.01.

# SHEET NOTES (#)

- TIE IN POINT TO EXISTING 6" FIRE WATER MAIN.
- SPRINKLER RISER LOCATION FOR EAST WING (AREA E).
- 3 REINSTALL CUH AND CONNECT TO EXISTING PIPING.
- ADD ALT 4: CONTROL FINTUBE HEATING USING THE BUILDING AUTOMATION SYSTEM (BAS) IN ACCORDANCE WITH STANDARD SEQUENCE OF OPERATIONS AS ESTABLISHED
- 5 EXTEND SOUND LINED DUCT TO TRANSFER AIR GRILLS.



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BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

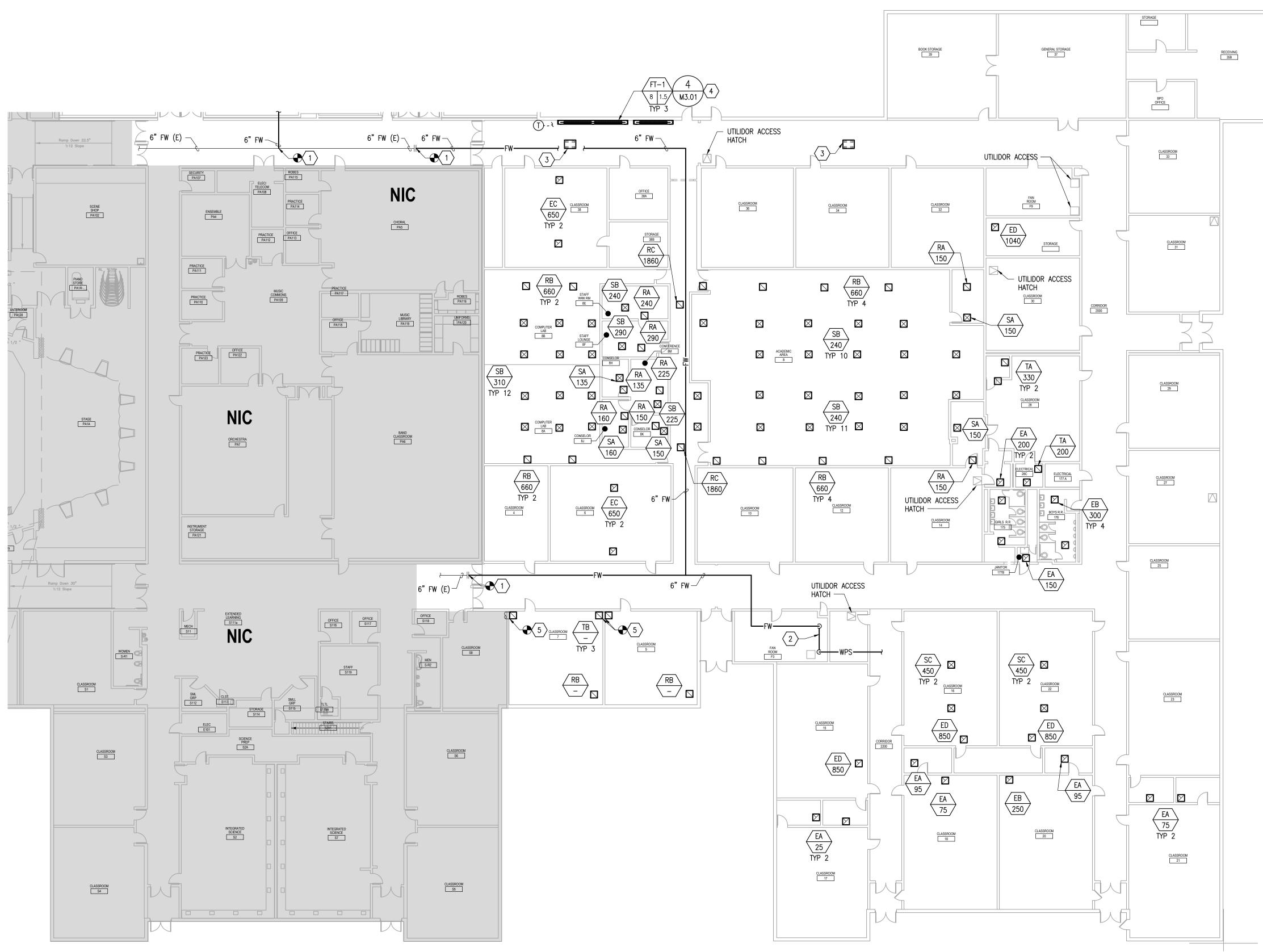
4025 E Northern Lights

BID DOCUMENTS NOVEMBER 7, 2023

MAIN LEVEL -MECHANICAL -AREA E

M1.01

**KEY PLAN** 







#### NOTIFICATION OF POTENTIAL HAZARDS:

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Anchorage **School District** 

**REVISIONS** 

No Description Date

# **GENERAL NOTES**

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- 2. FIELD VERIFY EXISTING CONDITIONS.
- 3. PROVIDE SPRINKLER COVERAGE IN ROOMS SHOWN ON DRAWING.
- 4. PROVIDE NEW DIFFUSERS, GRILLES AND FLEX DUCT. DIFFUSERS AND GRILLES FED FROM DUCTWORK IN CEILING, SEE DETAILS 1/M3.01, 2/M3.01, AND 3/M3.01.

# SHEET NOTES (#)

- 1 SPRINKLER RISER LOCATION FOR NORTH WING (AREA F).
- 2 PROVIDE DRY HEAD SPRINKLER COVERAGE FOR THE ENTRY CANOPY.







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BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 19C0002

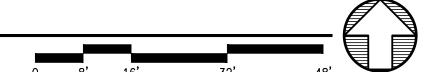
BID DOCUMENTS NOVEMBER 7, 2023

MAIN LEVEL -MECHANICAL -AREA F

M1.02







1 REMOVE AND REPLACE FLOOR DRAIN GRATE. MATCH EXISTING SIZE.

# **GENERAL NOTES**

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- 2. FIELD VERIFY EXISTING CONDITIONS.

#### NOTIFICATION OF CHILD OCCUPIED FACILITY:

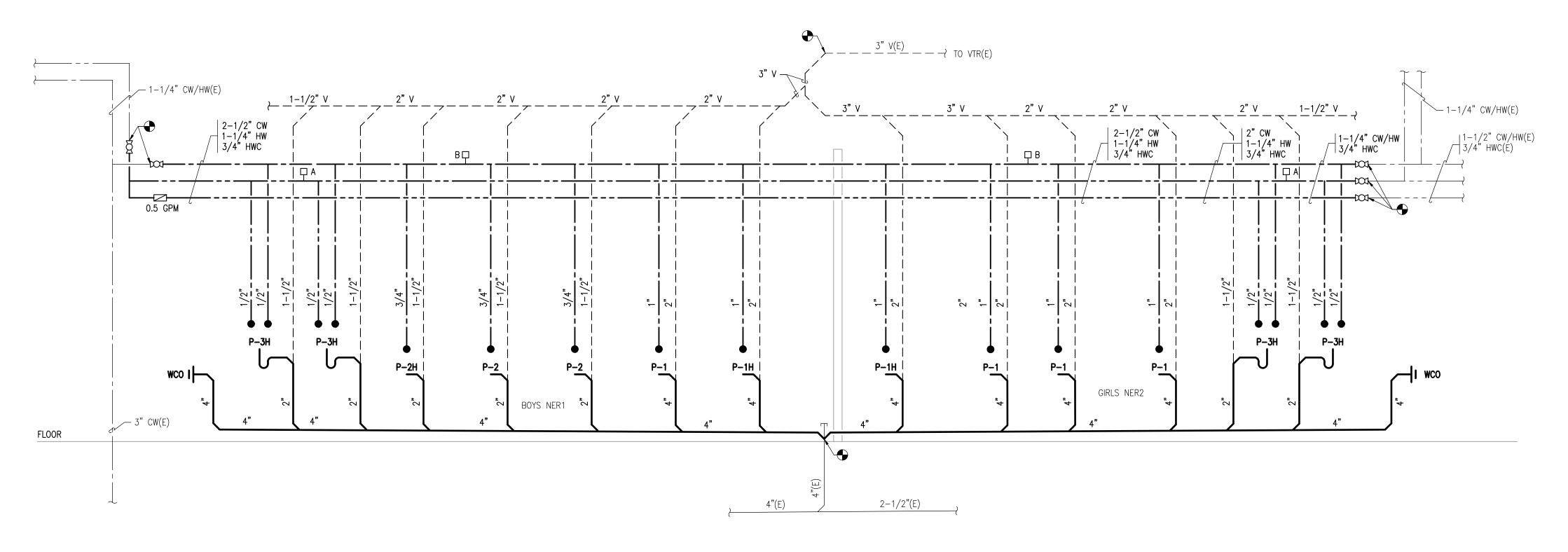
Portions of this building are classified as a child occupied facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

#### NOTIFICATION OF POTENTIAL HAZARDS:

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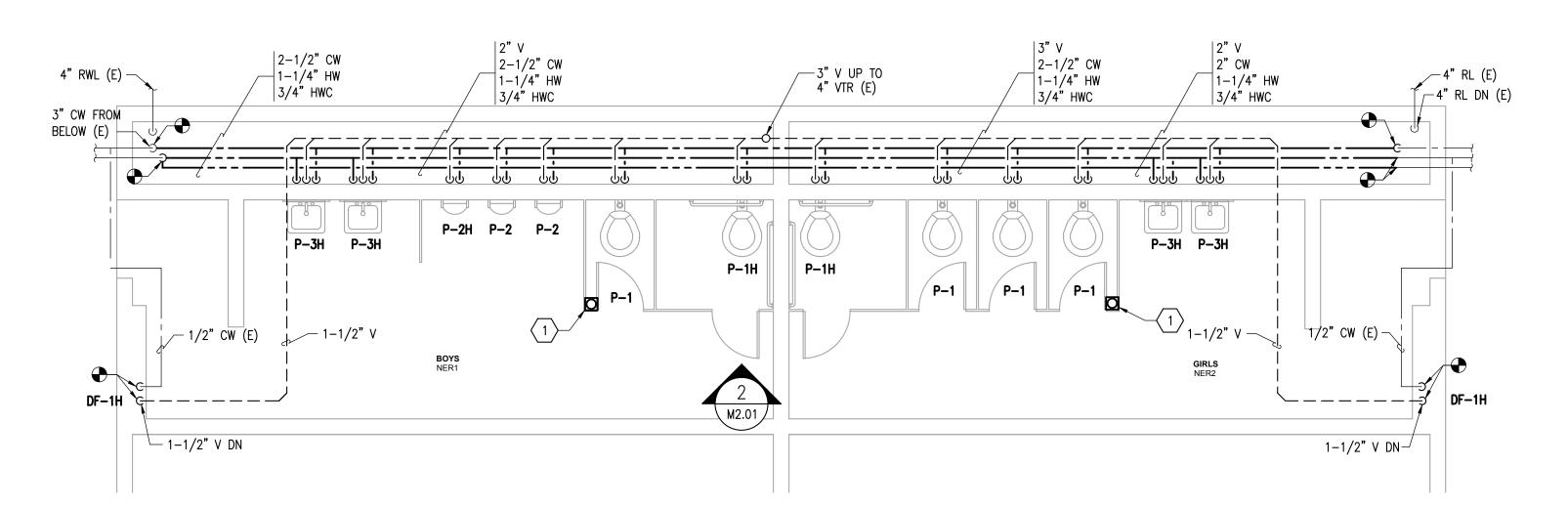
**REVISIONS** No Description Date



PLUMBING DIAGRAM - BOYS NER 1 AND GIRLS NER 2

M2.01 SCALE: NONE

M2.01 | SCALE: 1/4" = 1'-0"











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**KEY PLAN** 

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

BID DOCUMENTS NOVEMBER 7, 2023

ADD ALT 2 - MAIN LEVEL - PLUMBING -ENLARGED

M2.01

| 1/2" CW / 1/2" HW |

IRL R.R. 175

ΠΑ 

wco I

M2.02 | SCALE: 1/4" = 1'-0"

FLOOR

- 1 CONNECT CW, HW, AND V PIPING TO EXISTING JANITOR SINK.
- 2 REMOVE AND REPLACE FLOOR DRAIN GRATE. MATCH EXISTING SIZE.
- $\overline{3}$  CONNECT TO 1" CW (E), SEE 1/M2.02.

# **GENERAL NOTES**

- EXISTING CONDITIONS ARE BASED ON A LIMITED SITE VISIT AND DESIGN DRAWINGS DATED 1992, 1993 AND 1975. CONDUCT A SITE VISIT PRIOR TO BID SUBMISSION IN ORDER TO BECOME COMPLETELY FAMILIARIZED WITH SCOPE OF WORK. REPORT DISCREPANCIES TO OWNER BEFORE DISTURBING EXISTING CONDITIONS.
- 2. FIELD VERIFY EXISTING CONDITIONS.

└\_ 1-1/2" CW

GIRLS R.R. 175

4"(E) 4"(E)

FLOOR

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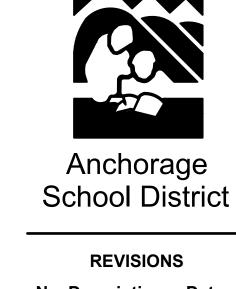
NOTIFICATION OF CHILD OCCUPIED FACILITY:

is provided in accordance with EPA and OSHA requirements.

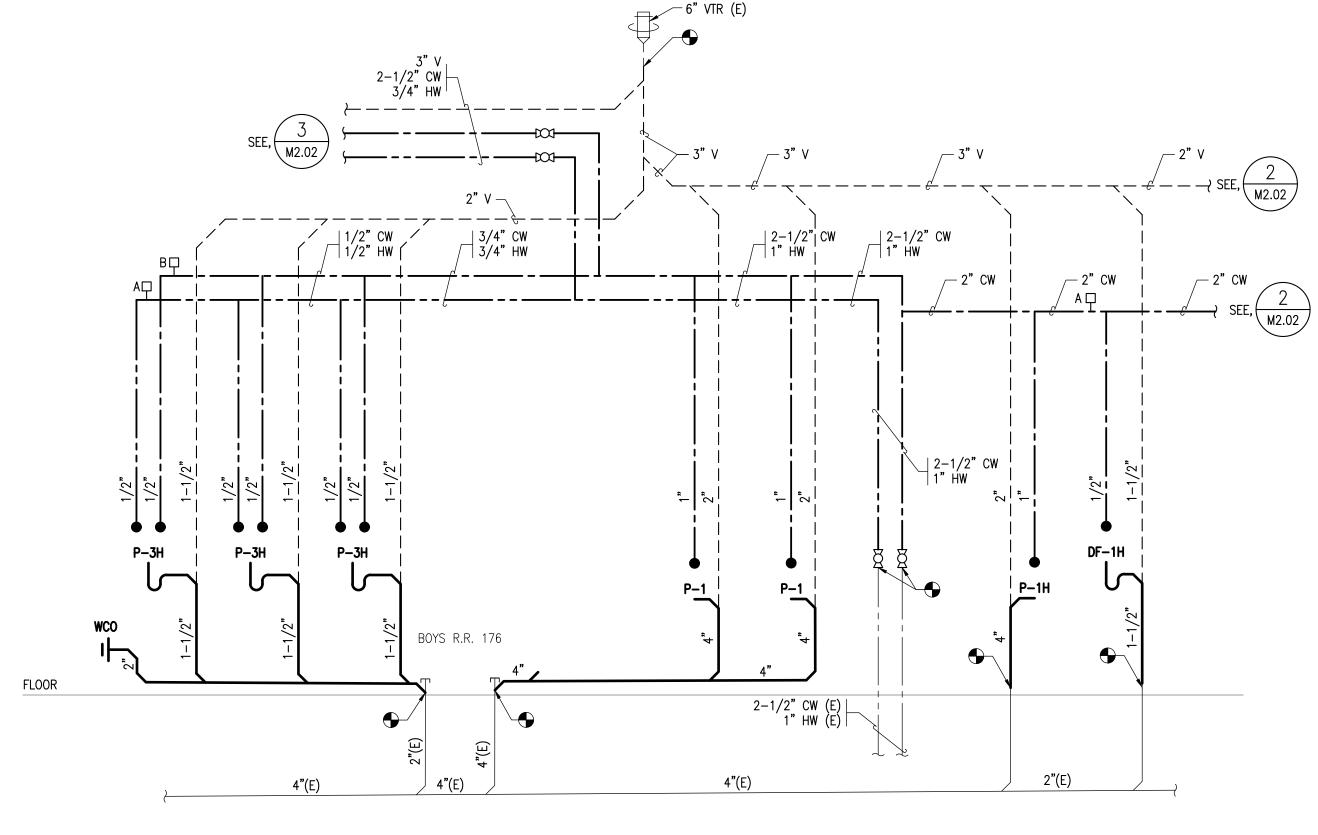
comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of lead materials and the installation of new materials or components. This notification

Asbestos, lead, and other hazardous materials are present in the building and may impact the work of all trades. Regulated air contaminants, including asbestos and

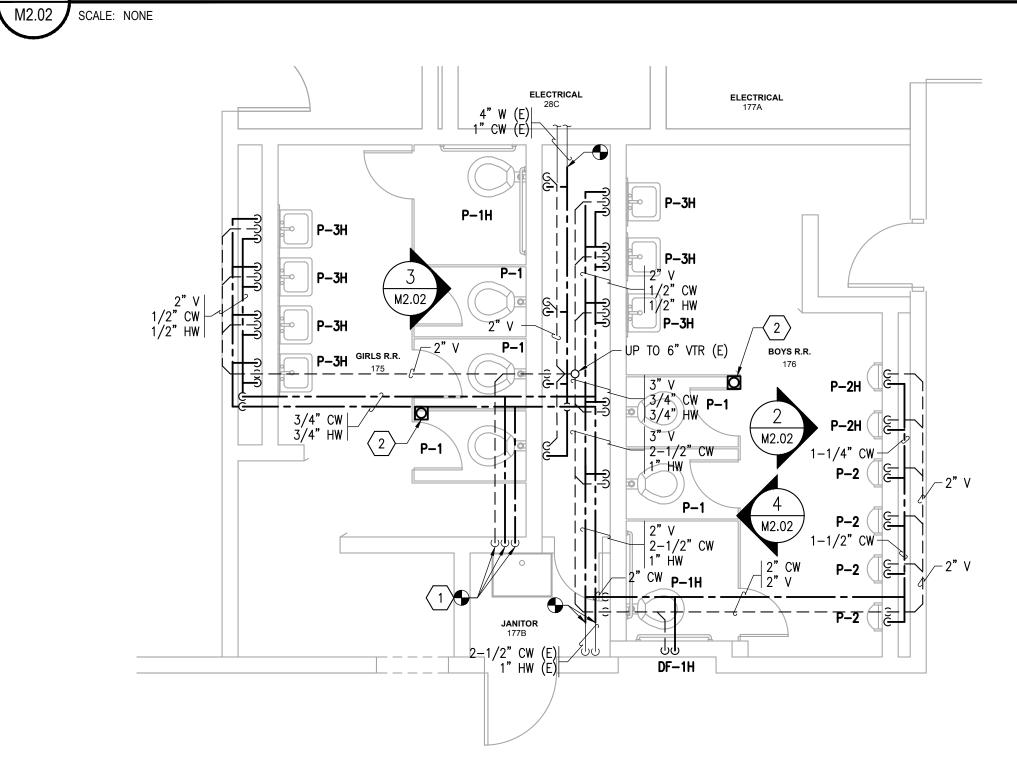
lead, are also present in settled and concealed dust in and on Architectural, Structural, Mechanical, and Electrical components or systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.



No Description Date



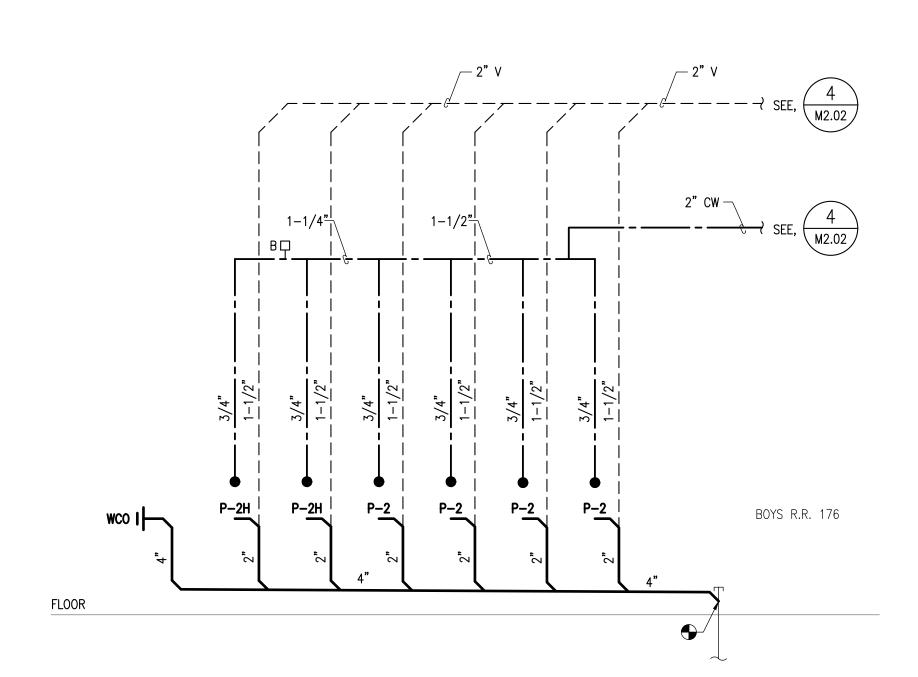
# 3 PLUMBING DIAGRAM - GIRLS R.R. 175



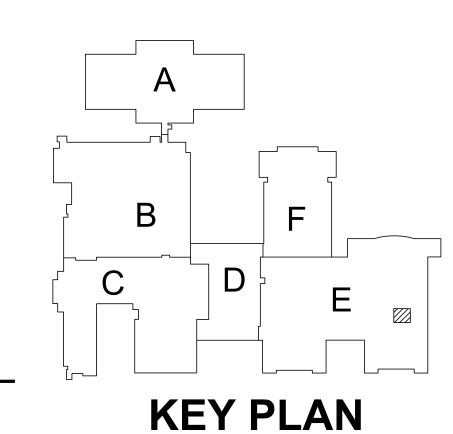
3/4" CW 3/4" HW

ENLARGED PLAN - TOILET ROOM 175-176 AND 177B

**PLUMBING DIAGRAM - BOYS R.R. 176 WEST WALL** M2.02 | SCALE: NONE



PLUMBING DIAGRAM - BOYS R.R. 176 EAST WALL
M2.02 SCALE: NONE



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BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

BID DOCUMENTS NOVEMBER 7, 2023

ADD ALT 2 - MAIN LEVEL - PLUMBING -**ENLARGED** 

M2.02

- 1 REMOVE AND REPLACE FLOOR DRAIN GRATE. MATCH EXISTING SIZE.
- 2 CONNECT COLD WATER AND WASTE VENT TO EXISTING DRINKING FOUNTAIN.

# **GENERAL NOTES**

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- 2. FIELD VERIFY EXISTING CONDITIONS.

#### NOTIFICATION OF CHILD OCCUPIED FACILITY:

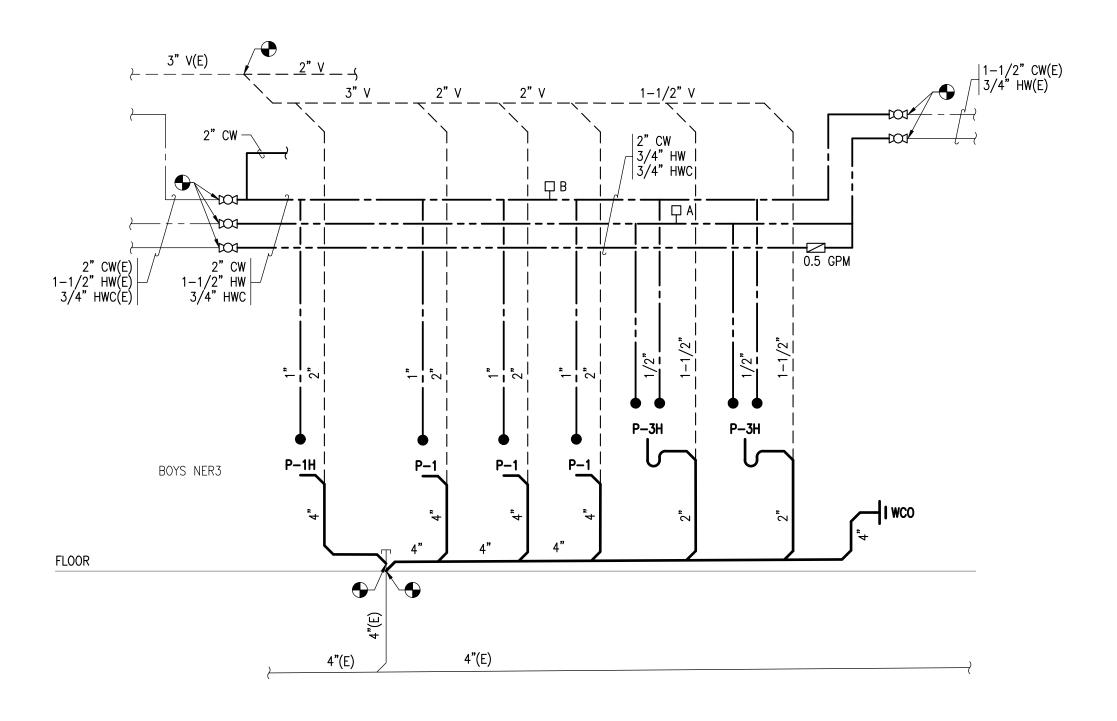
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### NOTIFICATION OF POTENTIAL HAZARDS:

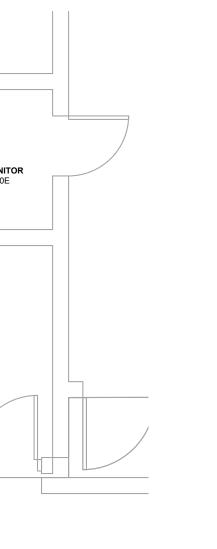
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**REVISIONS** No Description Date



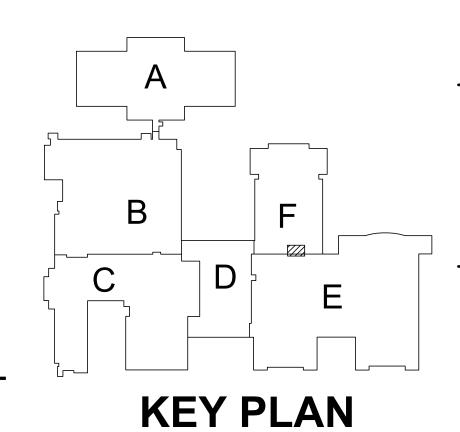
3 PLUMBING DIAGRAM - BOYS NER 3 NORTH WALL



2" V 2" CW -ДС FL00R

PLUMBING DIAGRAM - BOYS NER 3 SOUTH WALL

M2.03 SCALE: NONE



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BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

ADD ALT 2 - MAIN LEVEL - PLUMBING -ENLARGED

M2.03

P-3H P-3H

P-2H P-2H P-2 P-2 P-2 P-2 P-2 P-2

DRINKING FOUNTAIN (E)

## **GENERAL NOTES**

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- 2. FIELD VERIFY EXISTING CONDITIONS.
- CONTROL HEAT TRACE USING THE BUILDING AUTOMATION SYSTEM IN ACCORDANCE WITH STANDARD SEQUENCE OF OPERATIONS AS ESTABLISHED BY SIEMENS.

# SHEET NOTES (#)

- ROUTE 3" OVERFLOW RAIN LEADER PIPE OUT OF THE BUILDING AT APPROXIMATELY 2 FEET ABOVE GROUND LEVEL. TERMINATE WITH DOWNSPOUT FITTING, SEE DETAIL 6/M3.01. PROVIDE 24X24X4 CONCRETE SPLASH BLOCK, COORDINATE WITH
- ROUTE 3" RAIN LEADER TO EXISTING CIVIL PIPE ENTERING UP THROUGH FLOOR AND CONNECT.
- 3 EXISTING YARD CLEAN OUT BY CIVIL.

GYM SKYLINK VESTIBULE

5A1

NORTH-WEST NW115

PROVIDE HEAT TRACE AT RD-1 BOWL AND 5FT INTO RAIN LEADER PIPING, AT FOUR LOCATIONS.

RD-1 RD-2  $\left( 5 \right)$ 

ØØ (M3.01)

SECURITY

NW116

STORAGE NW114 (Ō) RD−2

(Ō) RD-1

(Ĉ) RD−2 (Ō) RD−1

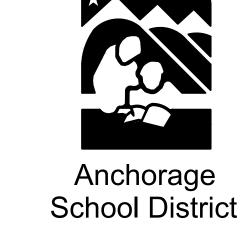
(Ĉ) RD−2

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Portions of this building are classified as a child occupied facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

### NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.



**REVISIONS** No Description Date

ENGINEERS

www.amc-engineers.com

Adams, Morgenthaler & Co., Inc.

CoA No C0342 - 907 257 9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503



A PHOTO - RAINLEADER EXIT AREA



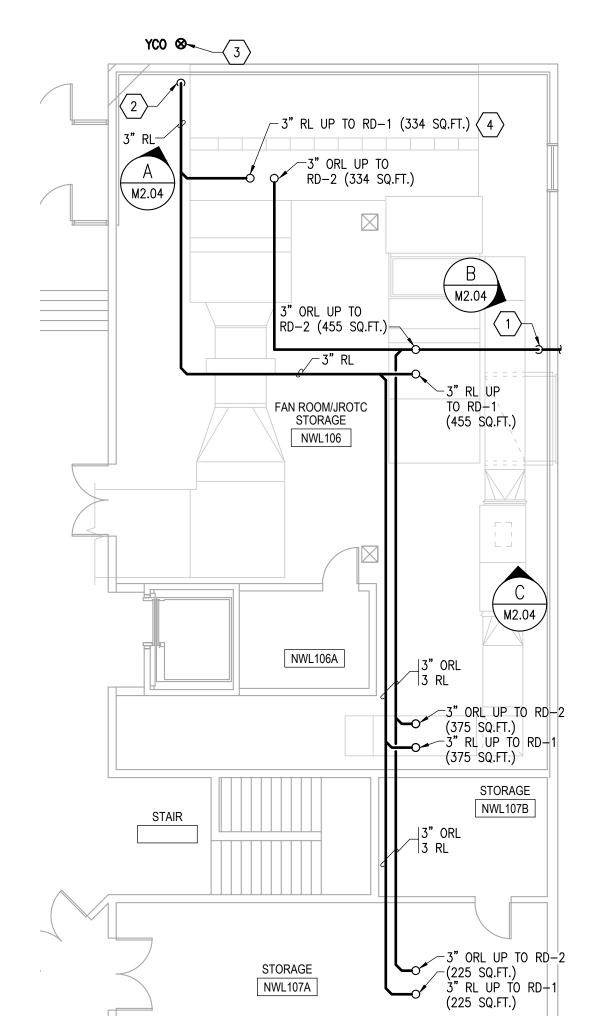


PHOTO - OVERFLOW RAINLEADER EXIT AREA M2.04

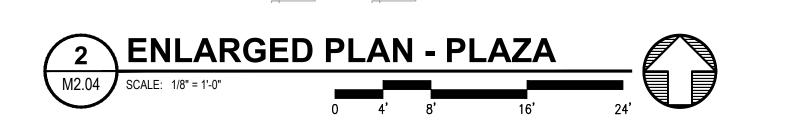


PHOTO - FAN ROOM CEILING M2.04 SCALE: NONE



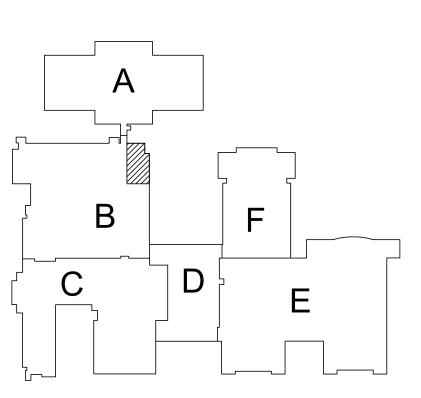


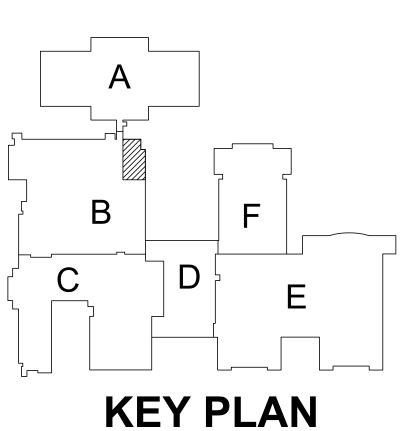




/VESTIBULE

NW112





ADD ALT 1 -ENLARGED PLAN PLAZA

BID DOCUMENTS NOVEMBER 7, 2023

T: 907.562.6076 | F: 907.562.6635

ANCHORAGE HIGH SCHOOL

BETTYE DAVIS EAST

SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

W: www.bdsak.com

M2.04

**NOTIFICATION OF POTENTIAL HAZARDS:** 

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# **GENERAL NOTES**

- EXISTING CONDITIONS ARE BASED ON A LIMITED SITE VISIT AND DESIGN DRAWINGS DATED 2003, 2013 AND 2014. CONDUCT A SITE VISIT PRIOR TO BID SUBMISSION IN ORDER TO BECOME COMPLETELY FAMILIARIZED WITH SCOPE OF WORK. REPORT DISCREPANCIES TO OWNER BEFORE DISTURBING EXISTING CONDITIONS.
- 2. FIELD VERIFY EXISTING CONDITIONS.



**REVISIONS** 

No Description Date

ENGINEERS

www.amc-engineers.com Adams, Morgenthaler & Co., Inc. CoA No C0342 - 907 257 9100 701 E. Tudor Rd. Suite 250

Anchorage, AK 99503

3330 C St, Suite 200, Anchorage, Ak 99503

ANCHORAGE HIGH SCHOOL

T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

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SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

FAN ROOM DUCT REPAIR

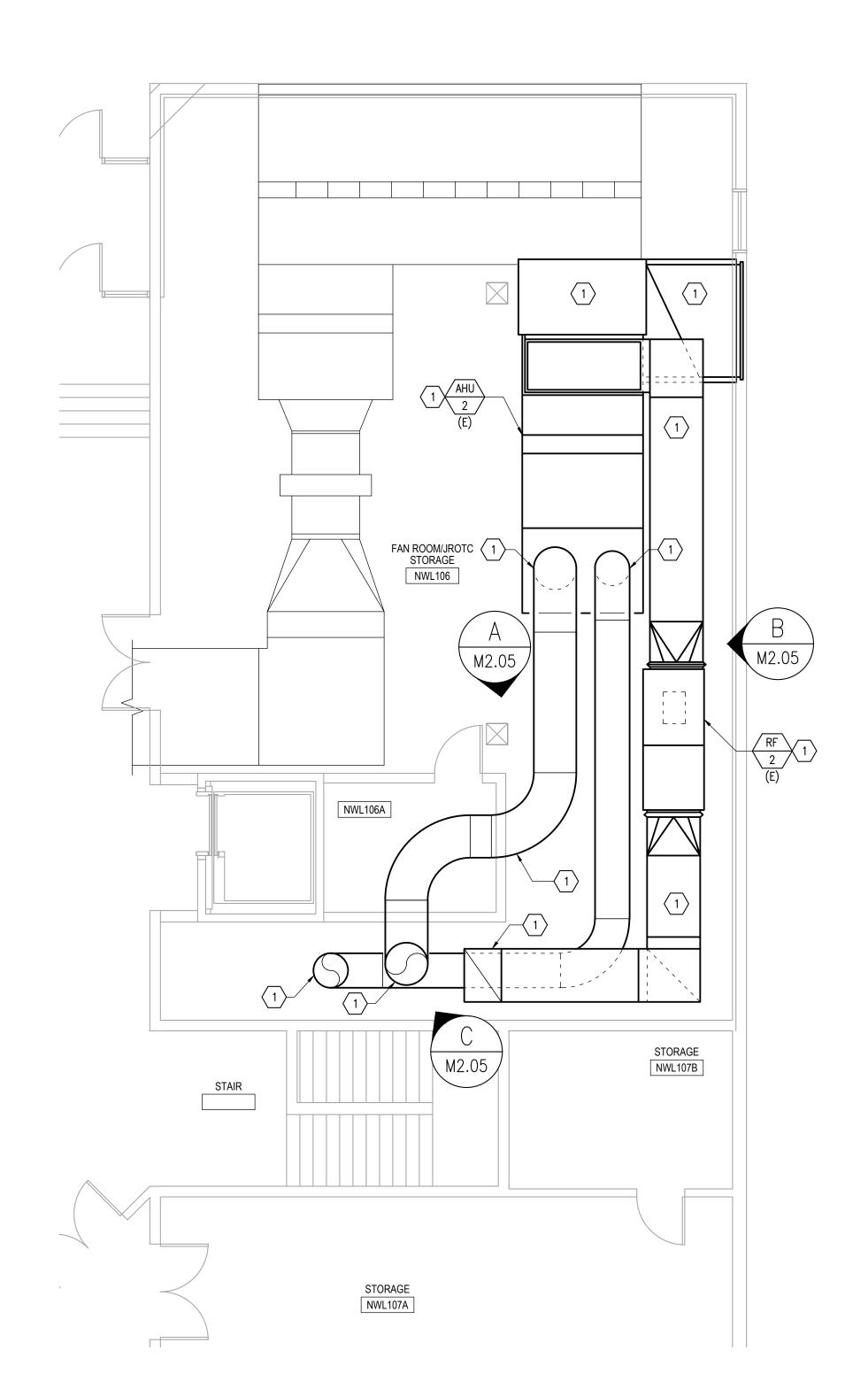
M2.05

BDS Project No.: 418001.002 ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

# SHEET NOTES (#)

PROVIDE DUCT HANGERS AND SUPPORTS TO COMPLY WITH SMACNA REQUIREMENTS AND SEISMIC BRACING TO COMPLY WITH THE IBC AND ASCE-7 REQUIREMENTS. REMOVE EXISTING SOUND LINER AND DUCT INSULATION WITHIN THE FAN ROOM AND 6 FEET UP THE DUCT RISERS. RESEAL EXISTING DUCT WORK. CLEAN AND SANITIZE AHU, RETURN FAN, COILS, SUPPLY AND RETURN DUCTWORK. REPLACE EXISTING SOUND LINER AND DUCT INSULATION WITHIN THE FAN ROOM AND 6 FEET UP THE DUCT RISERS.



**\ ENLARGED PLAN - FAN ROOM** 

M2.05 | SCALE: 3/16" = 1'-0"

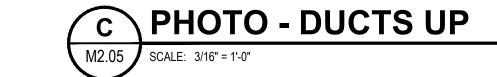




B PHOTO - AHU-2 & R/A DUCT

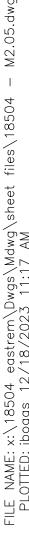
M2.05 SCALE: 3/16" = 1'-0"











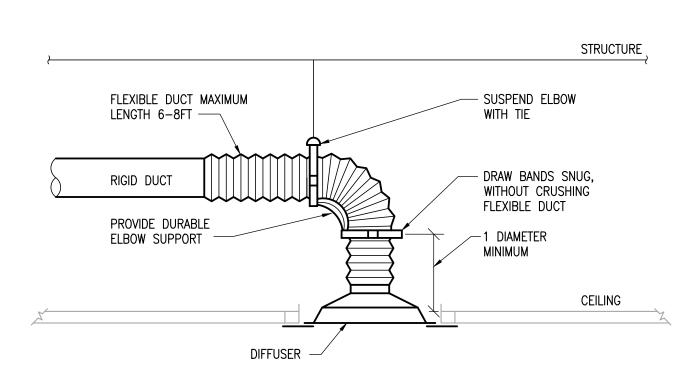
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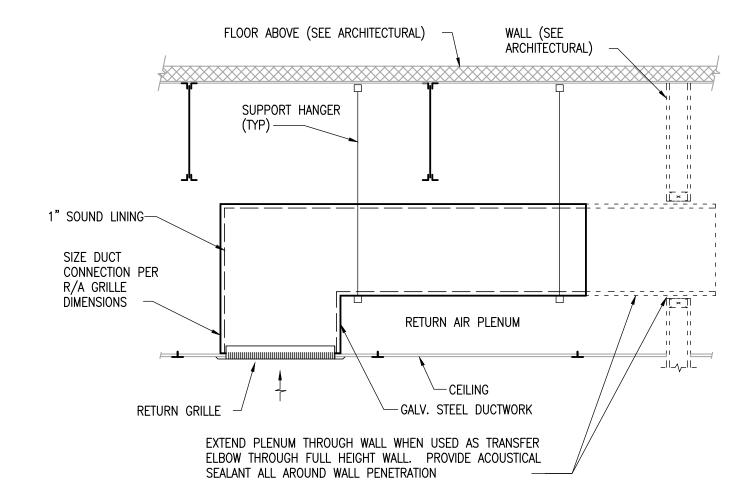
REVISIONS

No Description Date



NOTES

1. WHEN LENGTH OF STRAIGHT DUCT UPSTREAM OF DIFFUSER IS LESS THAN 3 DIAMETERS, PROVIDE AN EQUALIZING GRID.



PAINT VISIBLE INTERIOR PORTIONS OF DUCTWORK WITH FLAT BLACK PAINT

6" MIN.

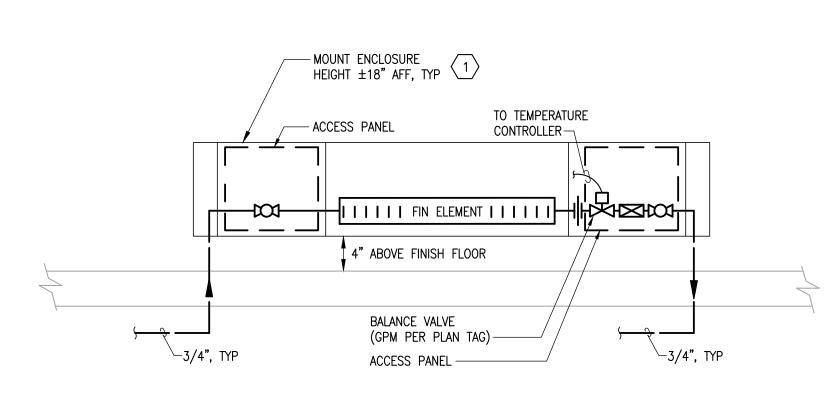
E/A GRILLE

CEILING

# 1 DETAIL - FLEXIBLE DUCT CONNECTION M3.01 SCALE: NONE





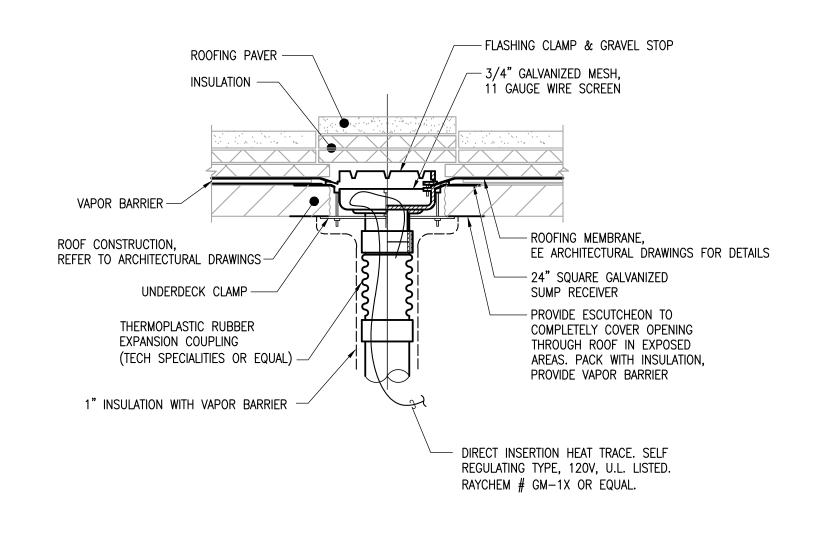


NOTES

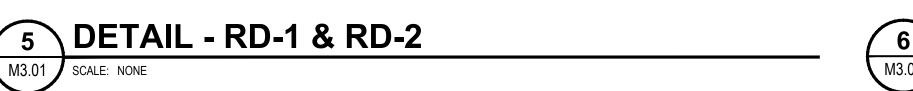
1 SINGLE ELEMENTS SHOWN. CONNECT MULTIPLE ELEMENT IN SERIES AS INDICATED ON PLANS.

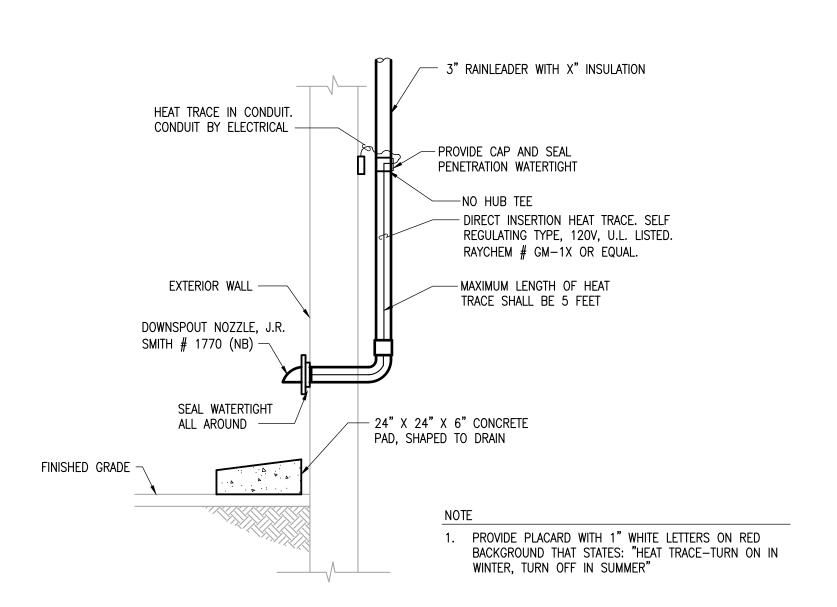
4 DETAIL - SINGLE TIER FINTUBE

M3.01 SCALE: NONE



1. ROOFING THICKNESS MAY VARY. REFER TO ARCHITECTURAL DETAIL 3/A5.01.
2. SIZE DRAIN OUTLET TO MATCH PIPE SIZE INDICATED ON PLANS











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ARCHITECTS

ARCHITECTURE | PLANNING | ROOF TECHNOLOGY

3330 C St, Suite 200, Anchorage, Ak 99503

T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST

ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

BDS Project No.: 418001.002

ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

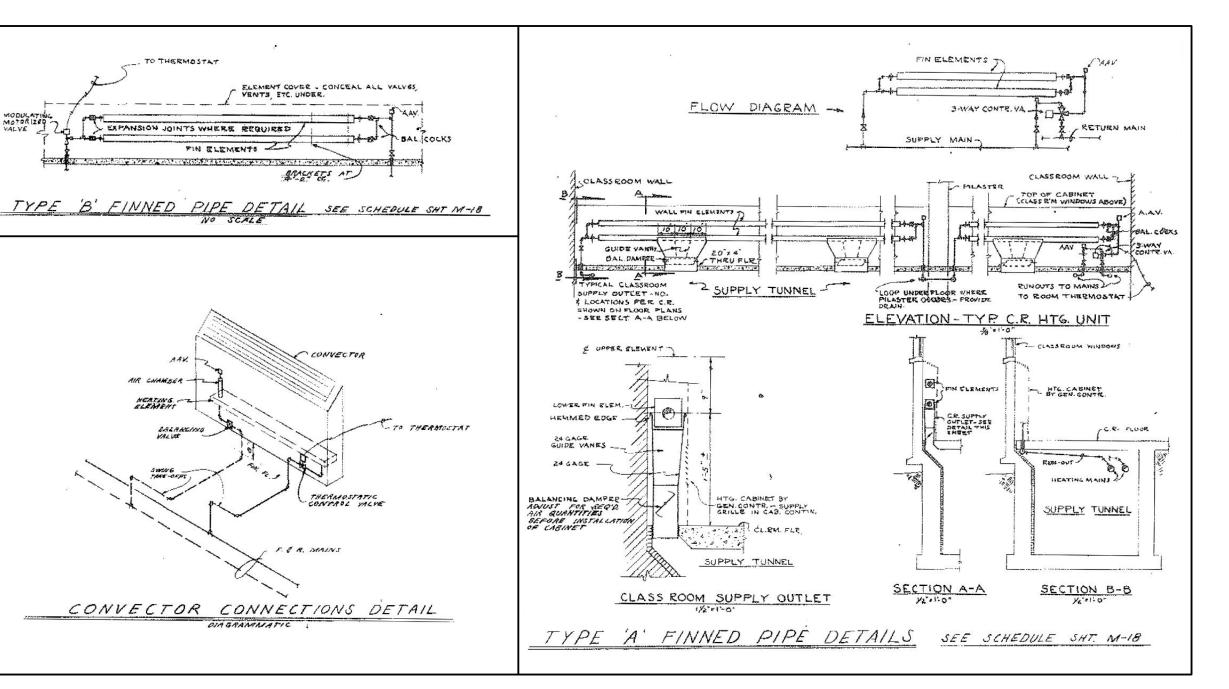
MECHANICAL DETAILS

M3.01

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.



**REVISIONS** No Description Date

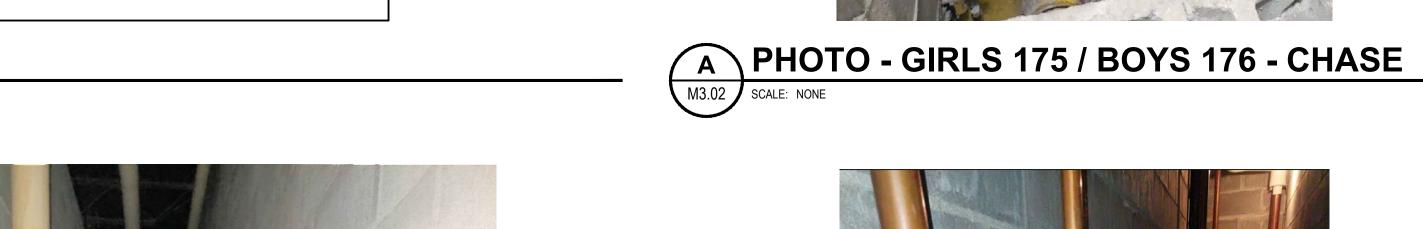


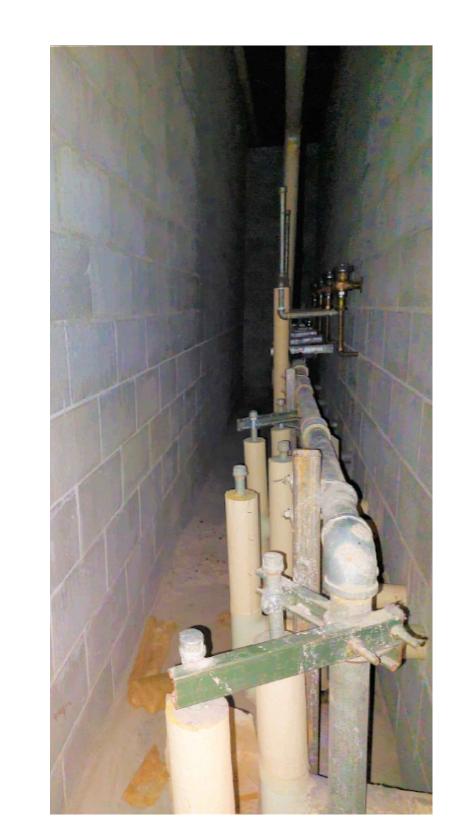
DETAIL - EXISTING FINNED TUBE

FIN ELEMENTS

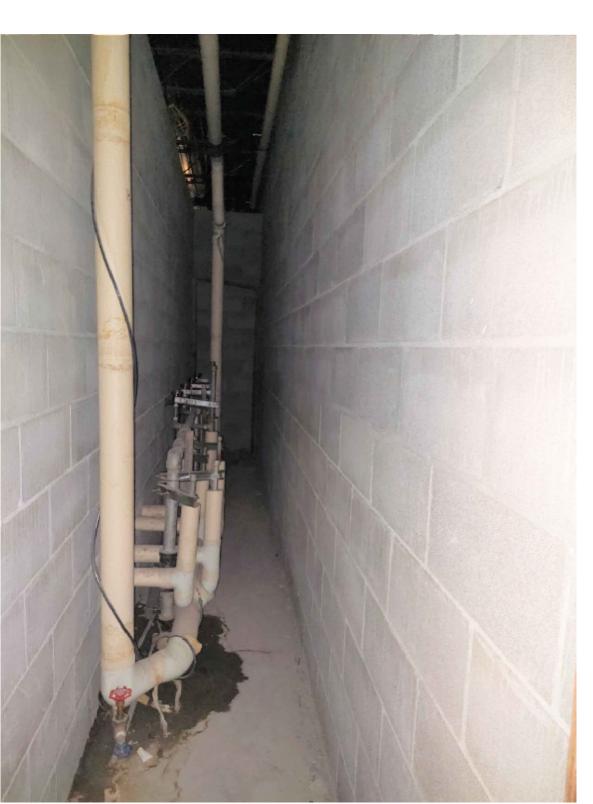
AIR CNAMBER -

NEATHWS -- Z

















BDS Project No.: 418001.002 ASD Project No.: 19C0002 BID DOCUMENTS NOVEMBER 7, 2023

ENGINEERS

www.amc-engineers.com Adams, Morgenthaler & Co., Inc. CoA No. C0342 - 907.257.9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503

REFERENCE PHOTOS

T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST

SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

ANCHORAGE HIGH SCHOOL

M3.02

NOTIFICATION OF POTENTIAL HAZARDS:

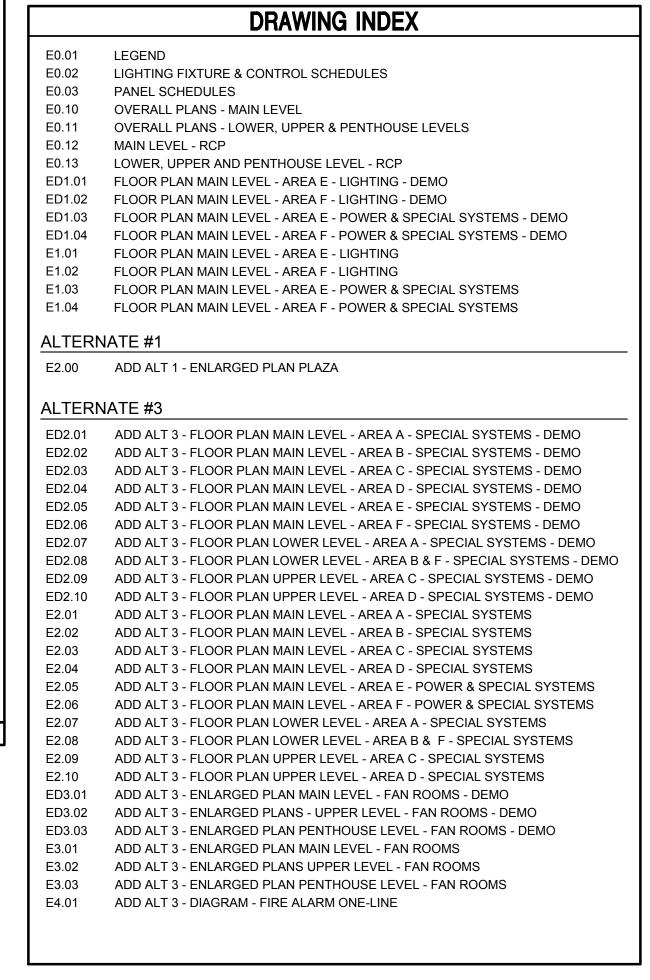
Asbestos, lead, and other hazardous materials are present in the building and may impact the work of all trades. Regulated air contaminants, including asbestos and lead, are also present in settled and concealed dust in and on Architectural, Structural, Mechanical, and Electrical components or systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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	ABBREVIATIONS		LIGHTING		POWER		SPECIAL SYSTEMS
SYMBOL DESCRIPTION		SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
SHEET NOTE CONVENTION:  (1) REFERENCED SHEET NOTE	ACS ACCESS CONTROL SYSTEM AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE		LIGHTING FIXTURE	₩	RECEPTACLE MOUNTING:  RECEPTACLE — WALL MOUNTED	٩x	TELECOMMUNICATION OUTLET — WALL MOUNTED (X DENOTES NUMBER OF PORTS)
2. GENERAL SHEET NOTE	AL ALUMINUM APPROX APPROXIMATE AHJ AUTHORITY HAVING JURISDICTION	᠊᠊᠆᠊ ♀	LIGHTING FIXTURE — WALL MOUNTED		(SEE "RECEPTACLE TYPES" BELOW)	ΔX	TELECOMMUNICATION OUTLET — FLOOR MOUNTED (X DENOTES NUMBER OF PORTS)
FEEDER IDENTIFICATION TAG	BAS BUILDING AUTOMATION SYSTEM CKT CIRCUIT CCTV CLOSED CIRCUIT TELEVISION	0	LIGHTING FIXTURE — SURFACE OR PENDANT MOUNTED		RECEPTACLE — FLOOR MOUNTED (SEE "RECEPTACLE TYPES" BELOW)	<b>⊴</b> c,x	TELECOMMUNICATION OUTLET — CEILING MOUNTED (X DENOTES NUMBER OF PORTS)
FEEDER NUMBER  DETAIL REFERENCE	CMH COMMUNICATIONS MANHOLE C. CONDUIT	0	LIGHTING FIXTURE - RECESS MOUNTED	$\Rightarrow$	RECEPTACLE — CEILING MOUNTED (SEE "RECEPTACLE TYPES" BELOW)	IC F	INTERCOM CALL IN STATION  FIRE ALARM MANUAL PULL STATION
DETAIL NUMBER	C.O. CONDUIT ONLY CU COPPER (D) DEMOLISH		LIGHTING FIXTURE CONNECTED TO EMERGENCY POWER CIRCUIT, NIGHT LIGHT		RECEPTACLE TYPES:		FIRE ALARM STROBE — WALL MOUNTED  (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
SHEET WHERE DETAIL APPEARS	DBÍ DECIBEL EL EMERGENCY LIGHT ELU EMERGENCY LIGHTING UNIT		LIGHTING FIXTURE CONNECTED TO EMERGENCY POWER CIRCUIT	⊭	DUPLEX RECEPTACLE	<b>©</b> x	FIRE ALARM STROBE — CEILING MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
A SECTION REFERENCE	ENL EMERGENCY NIGHT LIGHT (E) EXISTING	<b>₽</b>	EXIT FIXTURE — WALL MOUNTED SHADED AREA(S) DENOTE FACE(S) OF SIGN,	l ₩	GROUND FAULT INTERRUPTER, DUPLEX RECEPTACLE	Hø	FIRE ALARM HORN — WALL MOUNTED
E0.1 SECTION LETTER  SHEET WHERE SECTION APPEAR	17101 1112 1121111 001111102 1711122	1₩1	ARROWS AS NOTED (FIXTURE TYPE EX)  EXIT FIXTURE — CEILING MOUNTED	  ₩	DOUBLE DUPLEX RECEPTACLE	$\mathbb{H}$	FIRE ALARM HORN — CEILING MOUNTED
LINE WORK CONVENTION:	FO FIBER OPTIC FOPP FIBER OPTIC PATCH PANEL FSD FIRE/SMOKE DAMPER		SHADED AREA(S) DENOTE FACE(S) OF SIGN, ARROWS AS NOTED (FIXTURE TYPE EX)		GROUND FAULT INTERRUPTER,	<b>S</b> 1	FIRE ALARM SPEAKER — WALL MOUNTED  FIRE ALARM SPEAKER — CEILING MOUNTED
NEW OR REINSTALLED ITEM	HZ FREQUENCY HP HORSEPOWER	Ľ,	EMERGENCY LIGHTING UNIT — WALL MOUNTED (FIXTURE TYPE XA)	₩#	DOUBLE DUPLEX RECEPTACLE		BELL — WALL MOUNTED
<b>★</b> ITEM TO BE DEMOLISHED	IAW IN ACCORDANCE WITH K KELVIN KVA KILO VOLT—AMPS	1 1	EMERGENCY LIGHTING UNIT — CEILING MOUNTED (FIXTURE TYPE XA)		ELECTRICAL DEVICES:		FIRE ALARM HORN/STROBE — WALL MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
EXISTING ITEM TO REMAIN  FUTURE ITEM	KW KILOWATT  LCP LIGHTING CONTROL PANEL  MCC MOTOR CONTROL CENTER	•• •□	SITE LIGHTING - POLE MOUNTED	•	SPECIAL PURPOSE RECEPTACLE, NEMA TYPE AS NOTED	<b>©</b> 4×	FIRE ALARM HORN/STROBE — CEILING MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
FUTURE ITEM  EXISTING ITEM TO BE RELOCATED	MCP MOTOR CONTROL PANEL MDS MAIN DISTRIBUTION SWITCHBOARD	\$	SINGLE POLE SWITCH	•	POWER POLE	<b>M</b> X	FIRE ALARM SPEAKER/STROBE — WALL MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
CONDUIT/FEEDER LINE CONVENTION:	MM MULTIMODE FIBER OPTIC CABLE MTR MAIN TELECOM ROOM	<b>*</b> 3 <b>*</b> .	THREE-WAY SWITCH FOUR-WAY SWITCH	$\otimes$	DRYER	<b>©1</b> ×	FIRE ALARM SPEAKER/STROBE — CEILING MOUNTED (X DENOTES CANDELA RATING IF OTHER THAN 15cd)
CONCEALED	NEC NATIONAL ELECTRICAL CODE  NFPA NATIONAL FIRE PROTECTION ASSOCIATION  NL NIGHT LIGHT	<b>\$</b>	SWITCH FOR FIXTURES MARKED 'a',	9	MOTOR	(P)	PHOTOELECTRIC SMOKE DETECTOR
UNDERGROUND OR CONCEALED IN FL	OOR NC NORMALLY CLOSED NO NORMALLY OPEN	<b>\$</b> D	DIMMER SWITCH	<b>\$</b> _T	SWITCH — THERMAL TRIP WITH HEATER	(2) (H)	MULTI-TECHNOLOGY SMOKE DETECTOR  HEAT DETECTOR
EXPOSED  FLEXIBLE CONDUIT	N/A NOT APPLICABLE NIC NOT IN CONTRACT NTS NOT TO SCALE	<b>\$</b> <b>\$</b> <b>\$</b>	KEYED SWITCH  MOMENTARY SWITCH		SURFACE MOUNTED RACEWAY  FUSED DISCONNECT	(h)	FIXED TEMPERATURE HEAT DETECTOR
PLEXIBLE CONDUIT	OFC OPTICAL FIBER CABLE OFCI OWNER FURNISHED, CONTRACTOR INSTALLED OFOI OWNER FURNISHED, OWNER INSTALLED	* *	OCCUPANCY SENSOR/SWITCH		NON-FUSED DISCONNECT	DD 135°	(135 DEGREES FAHRENHEIT) DUCT DETECTOR
P-1,3 CIRCUITING CONVENTION  ———————————————————————————————————	PA PUBLIC ADDRESS PH PHASE (ELECTRICAL)	<b>\$</b>	PILOT LIGHTED SWITCH	卤	COMBINATION STARTER/FUSED DISCONNECT	CR	ADDRESSABLE CONTROL RELAY MODULE
PANEL	PLC PROGRAMMABLE LOGIC CONTROLLER PMCS POWER MONITORING CONTROL SYSTEM SM SINGLEMODE FIBER OPTIC CABLE	©S +⊛	DAYLIGHT SENSOR — CEILING MOUNTED  OCCUPANCY SENSOR — WALL MOUNTED		STARTER OR CONTACTOR	FS	FLOW SWITCH
BRANCH CIRCUIT HOMERUN TO PANELBO NUMBER OF MARKS INDICATE NUMBER OF CONDUCTORS IN RACEWA	SPD SURGE PROTECTIVE DEVICE	₩	OCCUPANCY SENSOR — CEILING MOUNTED	<u> </u>	JUNCTION BOX AND/OR CONNECTION TO EQUIPMENT	TS	TAMPER SWITCH
NOT COUNTING GROUNDING CONDUCT (ABSENCE OF MARKS INDICATE TWO	RS. TR TELECOMMUNICATION ROOM TYP TYPICAL	<b>\$</b> a,b,c	LOW VOLTAGE SWITCH(ES) FOR FIXTURES MARKED 'a', 'b', 'c' AS NOTED	M VSD	METERING DEVICE  VARIABLE SPEED DRIVE	RS ZM	REMOTE TEST SWITCH — DUCT DETECTOR  FIRE ALARM ZONE MAP
CONDUCTORS, PLUS REQUIRED GROUND NUMBER OF ARROWS INDICATE	DS) UON UNLESS OTHERWISE NOTED  VR VANDAL RESISTANT  VSD VARIABLE SPEED DRIVE	<b>\$</b> a,b,c	KEYED LOW VOLTAGE SWITCH(ES) FOR FIXTURES	PB <del>)</del>	PUSHBUTTON — SPECIAL	PS	PRESSURE SWITCH
NUMBER OF CIRCUITS  UNSWITCHED CONDUCTORS SHOWN HOMERUN SIDE OF NEUTRAL	VAC VOLTS (ALTERNATING CURRENT)	, KLV	MARKED 'a', 'b', 'c', ETC		PANEL - SURFACE MOUNTED	•	DOOR HOLDER
\ \ \ NEUTRAL	W WATT WP WEATHERPROOF				PANEL — FLUSH MOUNTED	DC	DOOR HOLDER/CLOSER
SWITCHED CONDUCTORS SHOWN ON LOAD SIDE OF NEUTRAL	WG WIRE GUARD				TRANSFORMER	FACP	FIRE ALARM CONTROL PANEL
				R	RELAY	FAA	FIRE ALARM ANNUNCIATOR
				G	GROUND FAULT RELAY	BPS	FIRE ALARM BOOSTER POWER SUPPLY
						H®	GLASS BREAK DETECTOR — WALL MOUNTED
						(B)	GLASS BREAK DETECTOR — CEILING MOUNTED

NOTE: THIS IS A STANDARD LEGEND. NOT ALL SYMBOLS NECESSARILY APPEAR ON THE DRAWINGS

SYMBOL	SPECIAL SYSTEMS  DESCRIPTION
<b>K</b> R}→	SECURITY INFRARED MOTION DETECTOR — LONG RANGE — WALL MOUNTED
(IR) <sub>360</sub>	SECURITY INFRARED MOTION DETECTOR — 360 DEGREE COVERAGE — CEILING MOUNTED
D	DOOR CONTACT
KP	SECURITY KEYPAD
	SECURITY CARD READER
<b>□</b>	CCTV CAMERA - PAN TILT ZOOM
□	CCTV CAMERA — FIXED
Ю	SPEAKER — WALL MOUNTED
S	SPEAKER — CEILING OR PENDANT MOUNTED
+	TELEVISION OUTLET, +90" AFF, UON.
OP	OVERHEAD PROJECTOR





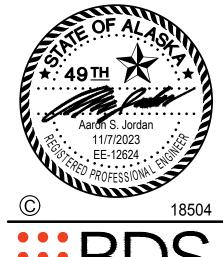
Anchorage School District

REVISIONS

No Description Date



Anchorage, AK 99503



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ARCHITECTURE | PLANNING | ROOF TECHNOLOGY

3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights
BDS Project No.: 418001.002
ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

LEGEND

E0.01

NOTIFICATION OF CHILD OCCUPIED FACILITY:	
Portions of this building are classified as a child occ	
with 40 CFR 745 and lead-based paints may be pre-	esent on components to be
disturbed in those areas. Personnel performing wo	rk in these areas must
comply with the requirements of 40 CFR 745, inclu-	ding training, work practices
and cleaning of the work area. Refer to Specification	on Divisions 0, 1, and 2 for
specific information concerning disturbing, removing	g, and disposing of lead
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			LIC	ЭНТІ	NG	C	ON'	TRO	LS						
			LIGHT	ING COI	NTROL	_ DEV	ICES			TROL PE	SEQUE	ENCE O	F OPER	ations	
<b>♣</b>	ROOM TYPE	OCCUPANCY SENSOR	DIMMING LOW-VOLTAGE SWITCH - SINGLE POLE/ZONE	DIMMING LOW-VOLTAGE SWITCH - MULTI-POLE/ZONE	DAYLIGHT SENSOR	ON/OFF SWITCH	CONTROLLER WITH WIRELESS ANTENNA	TOUCHSCREEN/GRAPHICAL CONTROLS	STANDALONE CONTROLS	NETWORKED CONTROLS	OCCUPANCY SENSOR TIMEOUT — MINUTES	MINIMUM INITIAL AVERAGE HORIZONTAL ILLUMINANCE (FC)	ILLUMINANCE MEASUREMENT POINT (INCHES AFF)	NUMBER OF ZONES, TYPICAL	SEQUENCE OF OPERATIONS TYPE
1	CLASSROOM - W/ WINDOWS	Х		Х	Х					Х	20	50	30	3	А
2	CLASSROOM - W/O WINDOWS	Х		Х						Х	20	50	30	3	Α
3	OFFICES	Х	Х						Х		20	30	30	1	В
4	MULTIPURPOSE ROOM	Х		Х	х			Х		Х	10 TO 50%, 10 TO OFF	30	30	2	F
5	MECH/ELEC/TELECOM					Х	Х		Х			30	36	1	E
6	STORAGE	Х				Х			Х		10	20	0	1	D
7	RESTROOM - SINGLE	Х				Х			Х		10	20	0	1	D
8	CORRIDOR, VESTIBULE	Х								Х	10 TO 50%, 10 TO OFF	20	0	1	С
9	RESTROOM - MULTIPLE	Х								Х	10 TO 50%, 10 TO OFF				

LIGHTING	<b>SYSTEM</b>	REQUI	REMENTS
LIMITITA		ILKUI	

- 1. PROVIDE DAYLIGHT SENSORS IN ROOMS WITH EXTERIOR WINDOWS AND 150 WATTS OR MORE OF LIGHTING WITHIN DAYLIGHTING ZONE.
- 2. PROVIDE CONNECTIONS TO LIGHTING CONTROL SYSTEM FROM SECURITY SYSTEM AND FIRE ALARM SYSTEM TO ILLUMINATE ALL AREAS UPON RECEIPT OF INTRUSION ALARM OR GENERAL FIRE ALARM.
- 3. PROVIDE LIGHTING CONTROLLER IN TELECOM ROOM AND CONNECT TO EXISTING RACK MOUNTED UPS IN EXISTING TELECOM RACK.
- 4. PROVIDE SCALED DRAWINGS SHOWING COVERAGE AND BOUNDARIES OF OCCUPANCY AND DAYLIGHT SENSORS.

		LIG	HTING CONTROL SEQUENCE OF OPERATIONS
TYPE		DESCRIPTION	·
Α	CLASSROOM	MANUAL:	LOCATIONS FOR MANUAL CONTROLS IN THE ROOM:
		1.	THERE IS ONE ON/OFF/DIM STATION NEAR EACH DOOR THAT TURNS ALL OF THE LIGHTS IN THE ROOM ON/OFF AND PROVIDES DIMMING CONTROL OF EACH ZONE. TYPICAL CLASSROOM MAY HAVE 3 ZONES: TEACHING WALLS ON OPPOSITE INTERIOR WALLS, AND THE REMAINDER (CENTER TYPICALLY) OF THE ROOM. 4-POLE WALL STATION WILL HAVE CONTROL FOR THE THREE INDIVIDUAL ZONES, PLUS A ZONE FOR ALL. ZONES MAY BE SELECTED IN ANY COMBINATION.
		2.	IF THERE ARE UPPER CABINETS WITH UNDERCABINET LIGHTING IN THE ROOM, PROVIDE A SEPARATE ON/OFF SWITCH AT THE CABINETS TO CONTROL THE UNDERCABINET LIGHTS.
			THE WALL MOUNTED DIMMING STATION(S) PROVIDE 1%-100% LIGHT LEVEL CONTROL OF THE LUMINAIRES IN THEIR ZONE. IF ONE OF THE SWITCHES IS TURNED OFF, THE LIGHTS IN THAT PARTICULAR ZONE WILL BE TURNED OFF, REGARDLESS OF THE INPUT FROM THE OCCUPANCY SENSOR(S).
		AUTOMATIC:	USER WALKS IN THE ROOM AND AS LONG AS THE DIMMING SWITCH(ES) AND UNDERCABINET SWITCH ARE IN THE "ON" POSITION, ALL OF THE LIGHTS IN THAT PARTICULAR ZONE WILL AUTOMATICALLY TURN ON TO 100% LEVEL OR WHATEVER LEVEL THEY WERE DIMMED AT PREVIOUSLY. WHEN ALL OF THE OCCUPANCY SENSORS IN THE ROOM NO LONGER DETECT OCCUPANCY, ALL OF THE LIGHTS IN THE ROOM (INCLUDING THE UNDERCABINET LIGHTS) WILL BE TURNED COMPLETELY OFF. AFTER ANOTHER TIME—OUT PERIOD BY THE OCCUPANCY SENSORS, THE CLASSROOM LIGHTS WILL RESET TO AUTOMATIC ON. THE UNDERCABINET LIGHTS WILL STAY OFF UNTIL THE NEXT TIME THEY ARE MANUALLY ACTIVATED. DURING ALARM STATE FROM DDC TO LIGHTING CONTROL SYSTEM, ALL NETWORKED LIGHTING SHALL ILLUMINATE IN THE BUILDING.
В	OFFICE	MANUAL:	WALL MOUNTED DIMMING STATION(S) NEAR THE DOOR PROVIDE 1%-100% LIGHT LEVEL CONTROL OF THE LUMINAIRES IN THE ROOM. IF THE SWITCH IS TURNED OFF, THE LIGHTS IN THE ROOM WILL BE TURNED OFF, REGARDLESS OF THE INPUT FROM THE OCCUPANCY SENSOR(S).
		AUTOMATIC:	USER WALKS IN THE ROOM AND AS LONG AS THE DIMMING SWITCH IS IN THE "ON" POSITION, ALL OF THE LIGHTS IN THE ROOM WILL AUTOMATICALLY TURN ON TO 100% LEVEL OR WHATEVER LEVEL THEY WERE DIMMED AT PREVIOUSLY. WHEN ALL OF THE OCCUPANCY SENSORS IN THE ROOM NO LONGER DETECT OCCUPANCY, ALL OF THE LIGHTS IN THE ROOM WILL BE TURNED COMPLETELY OFF.
			NURSE'S AREA SHALL HAVE TWO ZONES, WITH SEPARATE DIMMING FOR AREA NEAR COTS.
С	CORRIDOR	MANUAL:	NO MANUAL CONTROL.
		AUTOMATIC:	LIGHTS ARE CONTROLLED BY OCCUPANCY SENSORS AT ALL TIMES. UPON INITIAL ACTIVATION, LIGHTS WILL ILLUMINATE TO 100%. AFTER INITIAL TIME—OUT, LIGHTS WILL REDUCE TO 25%. AFTER SECOND TIME—OUT PERIOD, LIGHTS WILL TURN OFF. IF OCCUPANCY SENSOR DETECTS MOTION WHILE LIGHTS ARE AT 25% OR OFF, LIGHTS WILL ILLUMINATE TO 100%. ZONES IN HALLWAYS SHALL BE LIMITED TO THE LIGHTS WITHIN LINE OF SIGHT OF OCCUPANCY SENSORS SO THAT ONLY ONE HALLWAY AT A TIME WILL CHANGE LIGHT LEVELS BASED ON INPUT/TIME—OUT. DURING ALARM STATE FROM DDC TO LIGHTING CONTROL SYSTEM, ALL NETWORKED LIGHTING SHALL ILLUMINATE IN THE BUILDING.
D	STORAGE	MANUAL:	WALL SWITCH(ES) NEAR DOOR(S) ALLOW THE USER TO TURN ALL OF THE LIGHTS 100% ON OR OFF. IN SMALL ROOMS, OCCUPANCY SENSOR SWITCH MAY BE USED INSTEAD OF CEILING OR LUMINAIRE MOUNTED SENSOR.
		AUTOMATIC:	USER WALKS IN THE ROOM AND ALL OF THE LIGHTS IN THE ROOM WILL AUTOMATICALLY TURN ON TO 100% LEVEL. WHEN ALL OF THE OCCUPANCY SENSORS IN THE ROOM NO LONGER DETECT OCCUPANCY, ALL OF THE LIGHTS IN THE ROOM WILL BE TURNED COMPLETELY OFF.
E	MECH/ELEC	MANUAL:	WALL SWITCH(ES) NEAR DOOR PROVIDES ON/OFF MANUAL CONTROL OF LIGHTS IN THE ROOM.
		<u>AUTOMATIC</u> :	NONE; MANUAL CONTROLS ONLY.
F	MULTIPURPOSE	MANUAL:	THERE IS ONE ON/OFF/DIM STATION NEAR EACH DOOR THAT TURNS ALL OF THE LIGHTS IN THE ROOM ON/OFF AND PROVIDES DIMMING CONTROL OF EACH ZONE. THERE ARE 2 ZONES: HALF OF THE FIXTURES ON ONE ZONE AND HALF ON THE OTHER. WALL STATION WILL HAVE CONTROL FOR THE TWO INDIVIDUAL ZONES, PLUS A ZONE FOR ALL. ZONES MAY BE SELECTED IN ANY COMBINATION.  THE WALL MOUNTED DIMMING STATION(S) PROVIDE 1%-100% LIGHT LEVEL CONTROL OF THE LUMINAIRES IN THEIR ZONE. IF ONE OF THE SWITCHES IS TURNED OFF, THE LIGHTS IN THAT PARTICULAR ZONE WILL BE TURNED OFF, REGARDLESS OF THE INPUT FROM THE OCCUPANCY SENSOR(S).
		AUTOMATIC:	USER WALKS IN THE ROOM AND AS LONG AS THE DIMMING SWITCH(ES) ARE IN THE "ON" POSITION, ALL OF THE LIGHTS IN THAT PARTICULAR ZONE WILL AUTOMATICALLY TURN ON TO 100% LEVEL OR WHATEVER LEVEL THEY WERE DIMMED AT PREVIOUSLY. WHEN ALL OF THE OCCUPANCY SENSORS IN THE ROOM NO LONGER DETECT OCCUPANCY, ALL OF THE LIGHTS IN THE ROOM WILL BE TURNED COMPLETELY OFF. AFTER ANOTHER TIME—OUT PERIOD BY THE OCCUPANCY SENSORS, THE LIGHTS WILL RESET TO AUTOMATIC ON. DURING ALARM STATE FROM DDC TO LIGHTING CONTROL SYSTEM, ALL NETWORKED LIGHTING SHALL ILLUMINATE IN THE BUILDING.

TYPE	DESCRIPTION	COLOR TEMP	LUMENS	POWER (W)	MOUNTING
A	GLOBE H8424-U-40RS 2'X2', (2) F40CW-U LAMPS	4000K	4400	75	SURFACE CEILING
В	LIGHTOLIER 10633 1'x4' BASKET, (3) F40CW LAMPS	4000K	7800	120	SURFACE CEILING
ı	MILLER ID-2101-4 1'x4' STRIP WITH METAL REFLECTORS, (2) F40CW LAMPS	4000K	5200	60	SURFACE CEILING
K	GLOBE H8204-48RS 2'x4' TROFFER, (4) F40CW LAMPS	4000K	10400	160	SURFACE CEILING
K2	LITHONIA 2SP8G332A12125 2'x4' RECESSED TROFFER, (2) F32T8 LAMPS	3500K	5200	70	RECESSED CEILING
Р	LIGHTOLIER 10642 1'x4' BASKET, (2) F40CW LAMPS	4000K	5200	60	SURFACE CEILING

	LIGHTING FIXTURE S	OUEDOFE	- IAEAA	1	
TYPE	DESCRIPTION	COLOR TEMP	LUMENS	POWER (W)	MOUNTING
Α	LITHONIA 2BLT4-60L-ADSMT-EZ1-LP840-NLTAIR2-RIO 2'x4', LOW PROFILE, VOLUMETRIC LIGHT DISTRIBUTION, CURVED SMOOTH DIFFUSER nLIGHT AIR RADIO MODULE WITHOUT OCCUPANCY SENSOR	4000K	6000	47	RECESSED CEILING
A2	LITHONIA 2BLT4-60L-ADSM-EZ1-LP840-NLTAIR2-RES7PDT SAME AS A, EXCEPT WITH INTEGRAL OCCUPANCY SENSOR	4000K	6000	47	RECESSED CEILING
В	LITHONIA 2BLT4-72L-ADSMT-EZ1-LP840-NLTAIR2-RIO SAME AS A, EXCEPT 7200 LUMENS	4000K	7200	67	RECESSED CEILING
B2	LITHONIA 2BLT4-72L-ADSMT-EZ1-LP840-NLTAIR2-RES7PDT SAME AS B, EXCEPT WITH INTEGRAL OCCUPANCY SENSOR	4000K	7200	67	RECESSED CEILING
С	LITHONIA 2VRTL-F-L24-5000LM-ICW-AP125FL-MVOLT-EZ1-40K-80CRI-WH 2'x2', VANDAL RESISTANT TROFFER, STEEL HOUSING, POLYCARBONATE LENS, WITH FLANGE. PROVIDE ACUITY RPP20 POWER PACK	4000K	4200	42	RECESSED CEILING
D	CLX-L48-5000LM-SEF-RDL-MVOLT-EZ1-40K-80CRI-NLTAIR2-RIO-WH 4' LINEAR STRIP, ACRYLIC LENS, nLIGHT AIR RADIO MODULE WITHOUT OCCUPANCY SENSOR	4000K	5000	31.8	SURFACE CEILING
D2	CLX-L48-5000LM-SEF-RDL-MVOLT-EZ1-40K-80CRI-NLTAIR2-RES7PDT-WH SAME AS D, EXCEPT WITH INTEGRAL OCCUPANCY SENSOR	4000K	5000	31.8	SURFACE CEILING
XA	LITHONIA ELM4L—UVOLT—LTP—SDRT—AELR SELF CONTAINED LED EMERGENCY LIGHTING UNIT WITH SELF DIAGNOSTICS AND AUTOMATED REPORTING, WHITE HOUSING	N/A	N/A	6.6	WALL MOUNT +7'-6" AF OR SURFACE CEILING AS SHOWN

# FIXTURE SCHEDULE NOTES

- 1 CONNECT EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES TO UNSWITCHED LOCAL CIRCUIT (SAME CIRCUIT AS NORMAL/STANDBY POWERED FIXTURES IN AREA)
- 2 SURFACE CEILING MOUNT FIXTURES IN ROOMS/AREAS WITH CEILINGS. IN AREAS WITHOUT CEILINGS, PENDANT FIXTURES DOWN FROM BOTTOM OF STRUCTURE TO HEIGHT INDICATED. IN AREAS WITH MECHANICAL EQUIPMENT, DUCTWORK AND PIPING, PENDANT FIXTURES DOWN TO BOTTOM OF MECHANICAL DUCTWORK OR PIPING AS APPROPRIATE. FIXTURE PENDANTS SHALL BE RIGID (THREADED HANGAR RODS) AND SHALL BE SWAY BRACED WHERE PENDANTS EXCEED 24 INCHES IN LENGTH



REVISIONS

No Description Date





BDS
ARCHITECTS
ARCHITECTURE PLANNING PROF TECHNOLOGY

3330 C St, Suite 200, Anchorage, Ak 99503
T: 907.562.6076 | F: 907.562.6635
W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

BDS Project No.: 418001.002

ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

LIGHTING FIXTURE & CONTROL SCHEDULES

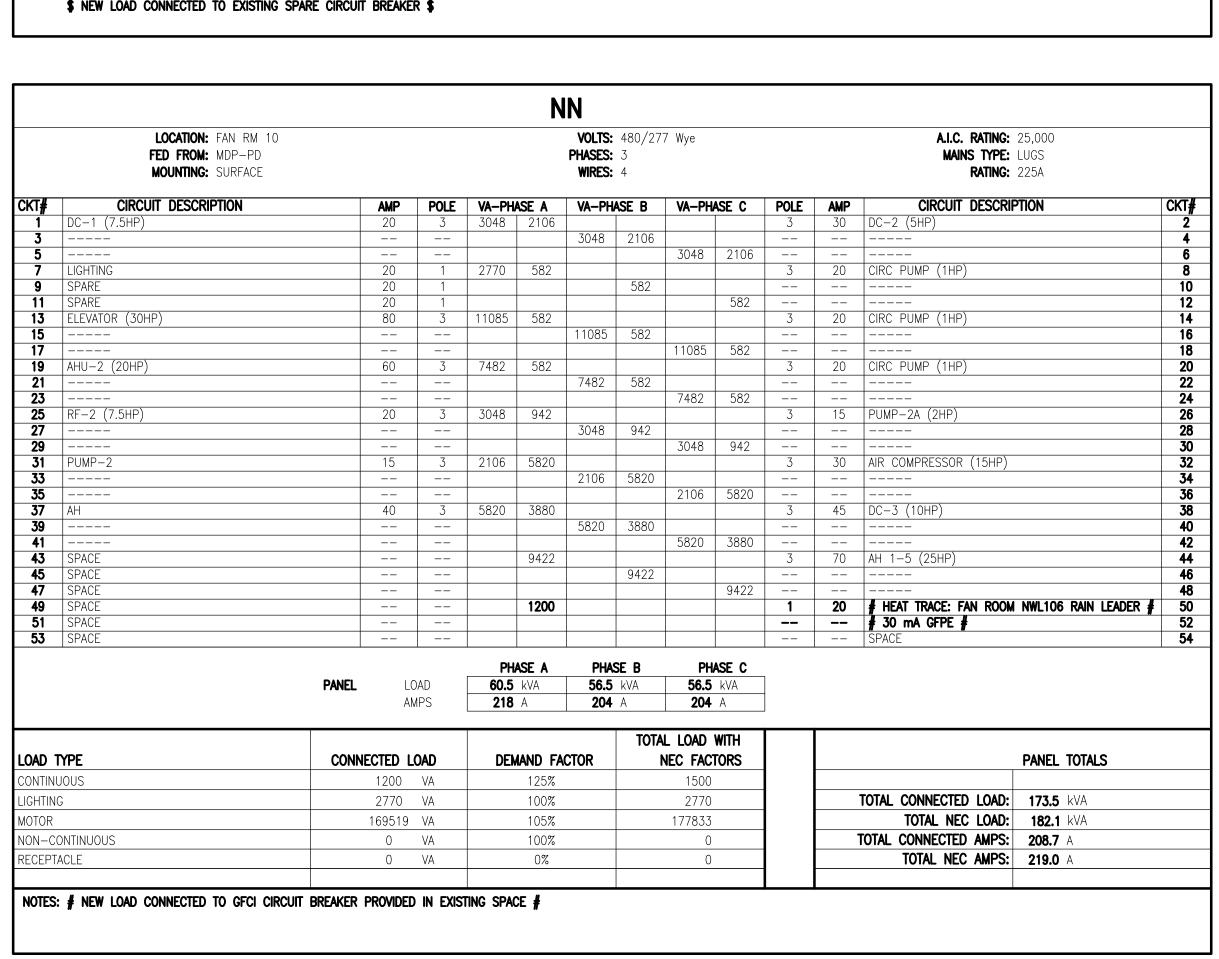
E0.02

NOTIFICATION OF POTENTIAL HAZARDS:

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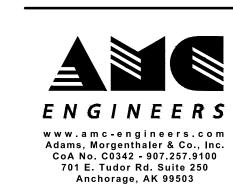
	LOCATION: SE105 FED FROM: PANEL PC MOUNTING: SURFACE		VOLTS: 480/277 Wye PHASES: 3 WIRES: 4									A.I.C. RATING: 14,000  MAINS TYPE: LUGS  RATING: 225A				
CKT#	CIRCUIT DESCRIPTION	N		POLE	VA-PH	ASE A	VA-PH	ASE B	VA-PH/	ASE C	POLE	AMP	CIRCUIT DESCRI	PTION	CKT	
1	PANEL KA		<b>AMP</b> 100	3	12794		***************************************				1	20	LTG: SITE ROADWAY		2	
3							12794	2100			1	20	LTG: SITE PARKING		4	
5									12794	1700	1	20	LTG: SITE SIDEWALK		6	
7	% LTG: ROOMS F9,30,31,33,35A,35B,37,		20	1	2867						1	20	* SPARE *		8	
9	% LTG: RMS 10,12,14,28,28C,30,32,34,3	6,177A,F9 %	20	1 1			3924				1	20	* SPARE *		10	
11	% LTG: 4,6,8A-8K,38,38A,38B %		20	1 1	7470				2773		1	20	* SPARE *		1:	
13	% LTG: ACADEMIC AREA 8 %		20	1 1	3176		0777				1	20	* SPARE *		14	
15	% LTG: 21,23,25,27,29 %		20 20				2773		3008		1	20	* SPARE * * SPARE *		10	
17 19	% LTG: 16,18,20,22 % % LTG: 7,9,15,17,F3 %		20	1 1	3245	1980			3000		1	20	* SPARE *		18 20	
21	% LTG: 7,9,13,17,F3 %  % LTG: SE WING CORRIDOR, RESTROOMS	· *	20	1 1	3243	1300	4272				1	20	* SPARE *		22	
23	EXISTING LOAD	, /0	20	1 1			7212		1500		1	20	* SPARE *		24	
25	ROOF TOP UNIT		15	3	1660				1000		1	20	SPARE		26	
27					1000		1660				1	20	SPARE		28	
29							1000		1660	1800	1	20	LTG: ENTRY		30	
31	ROOF TOP UNIT		15	3	1660					,,,,,,	3		LUGS		32	
33							1660								34	
35									1660						36	
37	SPACE												SPACE		38	
39	SPACE												SPACE		40	
41	* SPARE *		20	1							3		LUGS		42	
43	* SPARE *		20	1											44	
45	* SPARE *		20	1											4(	
47	SPARE		20	1 1		0017					1 1	20	SPARE		48	
49	SPARE		20	1 1		2213		0047			3	20	TRASH COMPACTOR		50	
51	SPACE							2213		0017					52	
53	SPACE									2213					54	
						ASE A	1	SE B		ASE C	٦					
		PANEL		DAC	32.1		31.4		29.1							
			А	MPS	116	A	113	A	105	A						
								L LOAD								
LOAD		CON	NECTED L		DEN	MAND FA	CTOR	<u> </u>	IEC FACT					PANEL TOTALS		
CONTINUOUS		0	VA		125%			0								
_IGHTIN	IG		35638	VA		100%			35638				TOTAL CONNECTED LOAD:	<b>92.6</b> kVA		
MOTOR			16600	VA		110%			18260				TOTAL NEC LOAD:	<b>93.4</b> kVA		
NON-C	CONTINUOUS		38382	VA		100%			38382				TOTAL CONNECTED AMPS:	<b>111.4</b> A		
RECEPT	TACLE		0	VA		0%			0				TOTAL NEC AMPS:	112.3 A		
					1											

LOCATION: TR7 FED FROM: PANEL PC MOUNTING: SURFACE				VOLTS: 480/277 Wye PHASES: 3 WIRES: 4								A.I.C. RATING: 14,000 MAINS TYPE: LUGS RATING: 225A		
CKT#	CIRCUIT DESCRIPTION PANEL FA VIA TRANSFORMER		AMP	<b>POLE</b> 3	VA-PHASE A		VA-PHASE B		VA-PHASE C		POLE	AMP	CIRCUIT DESCRIPTION	СКТ
1			100		13833	8000					3	45	WATER HEATER 1-9	
3							13833	8000						
5									13833	8000	İ			
7	AH-3-9		20	3	2100	1330					3	20	CF 2-9	
9							2100	1330						
<u> 11</u>									2100	1330				
13	* SPARE *		20	1		2115					1	20	\$ LTG: ROOMS 55,56,57A,57B \$	
15	* SPARE *		20	1				2115			1	20	\$ LTG: ROOMS 51,53,53A,53B,53C \$	
17	* SPARE *		20	1						2211	1	20	\$ LTG: ROOMS 59,59A,61,63,65,67 \$	
19	* SPARE *		20	1		2211					1	20	\$ LTG: ROOMS 41,43,45,47,49,F9 \$	
21	* SPARE *		20	1				2624			1	20	\$ LTG: RMS 40,40B,40C,40E,44,46,58,60,66,NEF1 \$	
23	* SPARE *		20	1						3064	1	20	\$ LTG: NE WING CORRIDOR, RESTROOMS \$	
25	LTG: EXTERIOR AREA 9		20	1	2100						1	20	SPARE	
27	LTG: BASEMENT		20	1			3000				1	20	SPARE	
29	* SPARE *		20	1							1	20	SPARE	
31			20	1							1	20	SPARE	
33	SPARE		20	1							1	20	SPARE	
35	EXISTING LOAD		50	3					6917	8300	3	60	PANEL FE	
37					6917	8300								
39							6917	8300						
41	SPACE												SPACE	
		PANEL	L LOAD			PHASE A		PHASE B 48.2 kVA		PHASE C				
		FANEL	AMPS		169 A		174 A		165 A					
			/\l	VII J	103	, A	1/7	<u> </u>	100	Α				
									L LOAD WITH					
LOAD TYPE		CONN	CONNECTED LOAD		DEMAND FACTOR		CTOR						PANEL TOTALS	
CONTINUOUS			24000 VA		125%					30000				
LIGHTING		19440 VA		100%					19440			TOTAL CONNECTED LOAD: 140.9 kVA		
MOTOR			10290 VA		115%				11865				TOTAL NEC LOAD: 148.5 kVA	
NON-CONTINUOUS			87150 VA		100%					87150		<u> </u>	TOTAL CONNECTED AMPS: 169.5 A	
RECEPTACLE			0 VA		0%					0		I	TOTAL NEC AMPS: 178.6 A	





**REVISIONS** No Description Date





3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002

BID DOCUMENTS NOVEMBER 7, 2023

PANEL SCHEDULES E0.03

#### NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

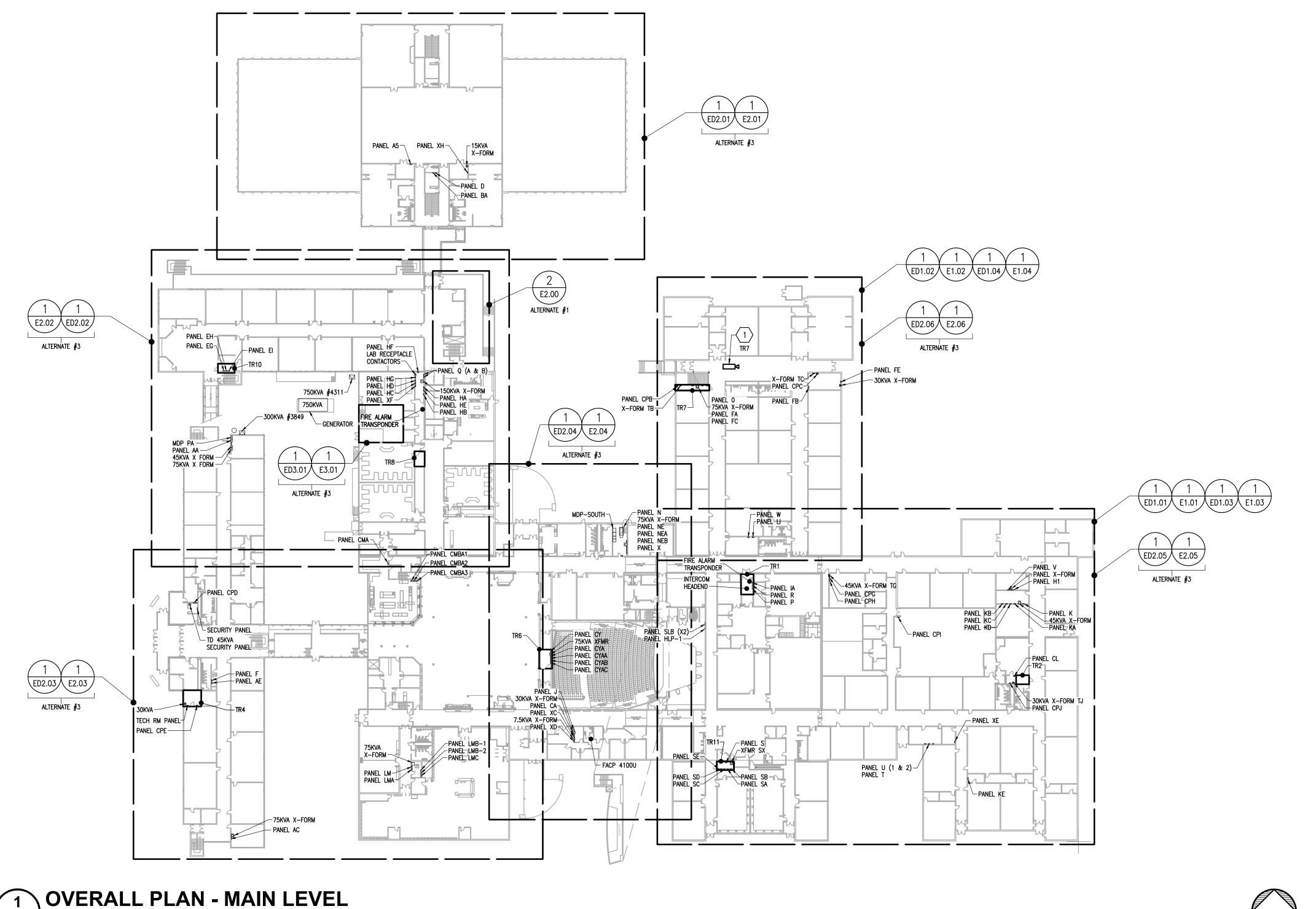
# SHEET NOTES (#)

PROVIDE AXIS M4318—PLVE 12 MEGAPIXEL 360 DEGREE PANORAMIC CAMERA AT LOCATION INDICATED. ROUTE CABLING TO DEDICATED CCTV PATCH PANEL IN TELECOM ROOM NOTED. COORDINATE FINAL LOCATION OF CAMERA WITH ASD PRIOR TO INSTALLATION.



**REVISIONS** 

No Description Date



ENGINEERS w w w . a m c - e n g i n e e r s . c o m Adams, Morgenthaler & Co., Inc. Coa No C0342 907 257 9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503



3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

OVERALL PLANS -MAIN LEVEL

E0.10

#### NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

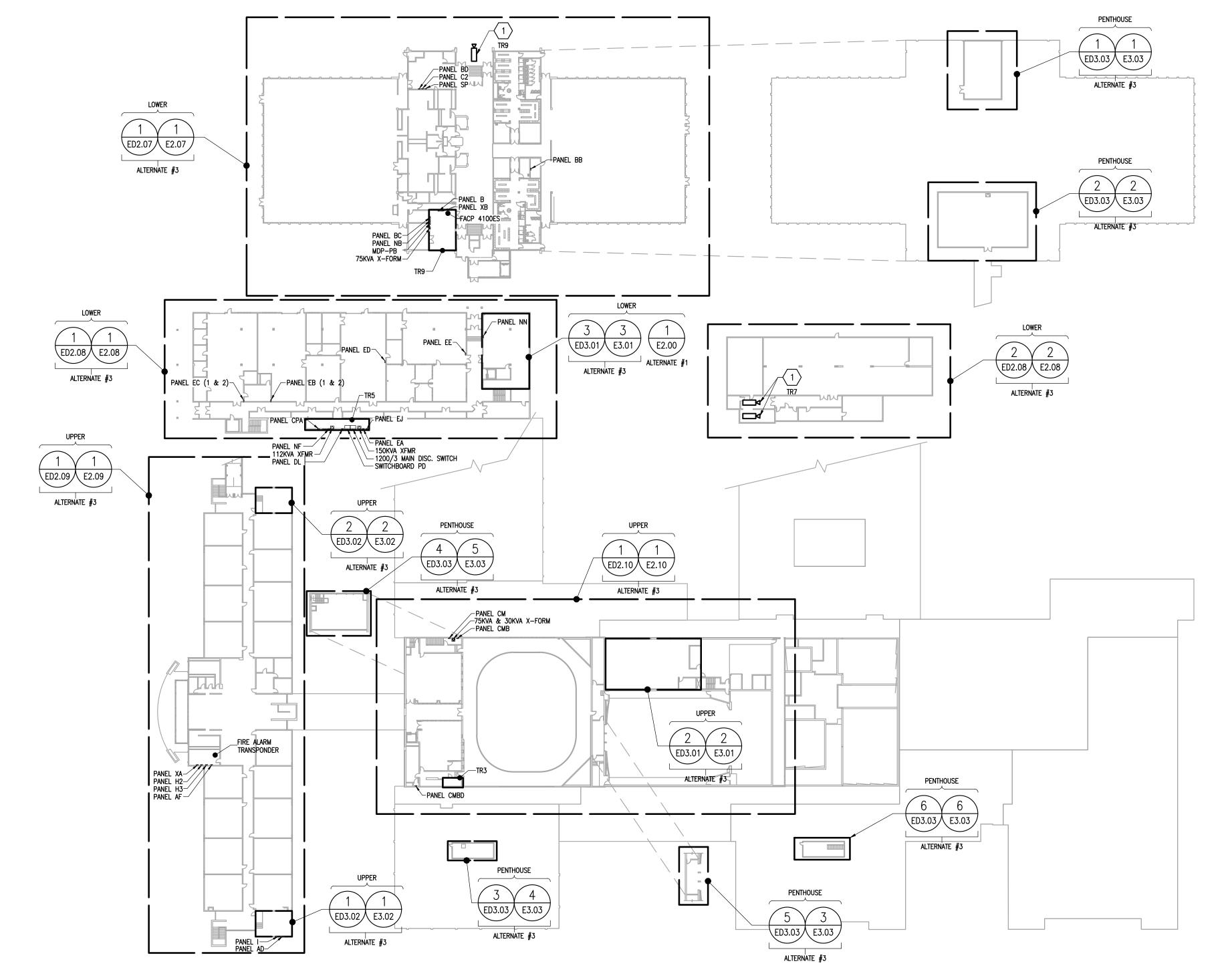
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**REVISIONS** 

No Description Date







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BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

OVERALL PLANS -LOWER, UPPER & PENTHOUSE LEVELS

E0.11

(17S)

NOTIFICATION OF CHILD OCCUPIED FACILITY:
Portions of this building are classified as a child occupied facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

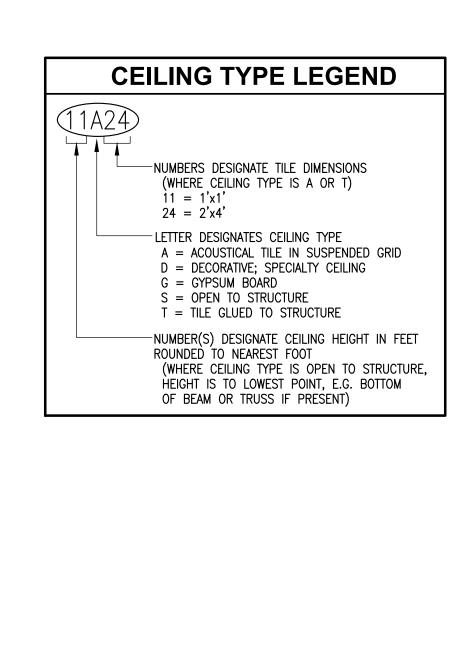
### NOTIFICATION OF POTENTIAL HAZARDS:

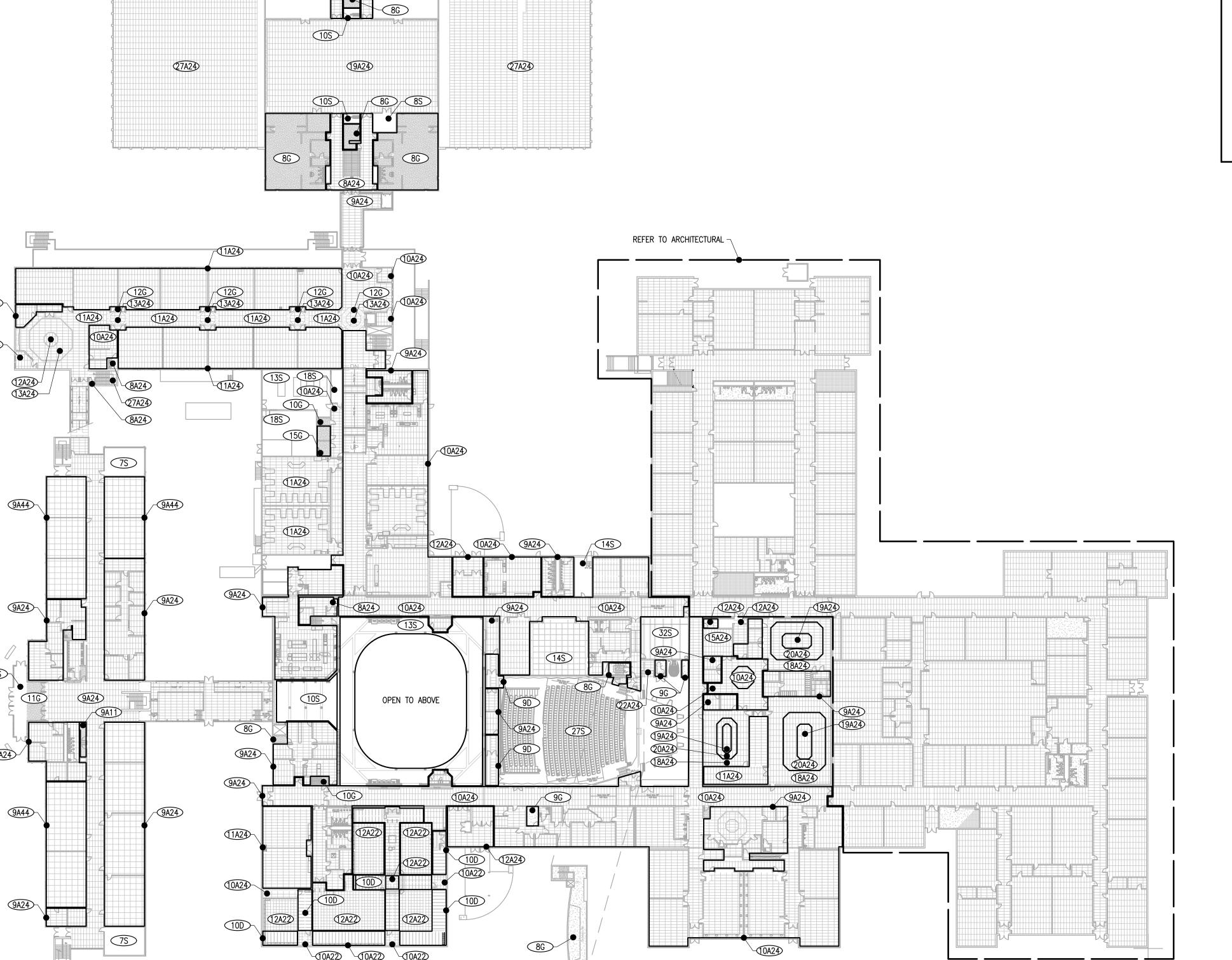
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**REVISIONS** 

No Description Date









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BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

MAIN LEVEL - RCP E0.12

### NOTIFICATION OF POTENTIAL HAZARDS:

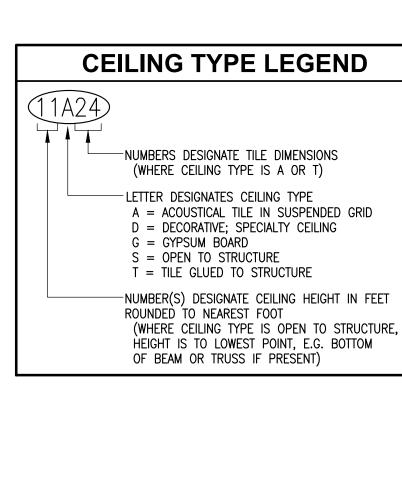
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Anchorage School District

**REVISIONS** 

No Description Date







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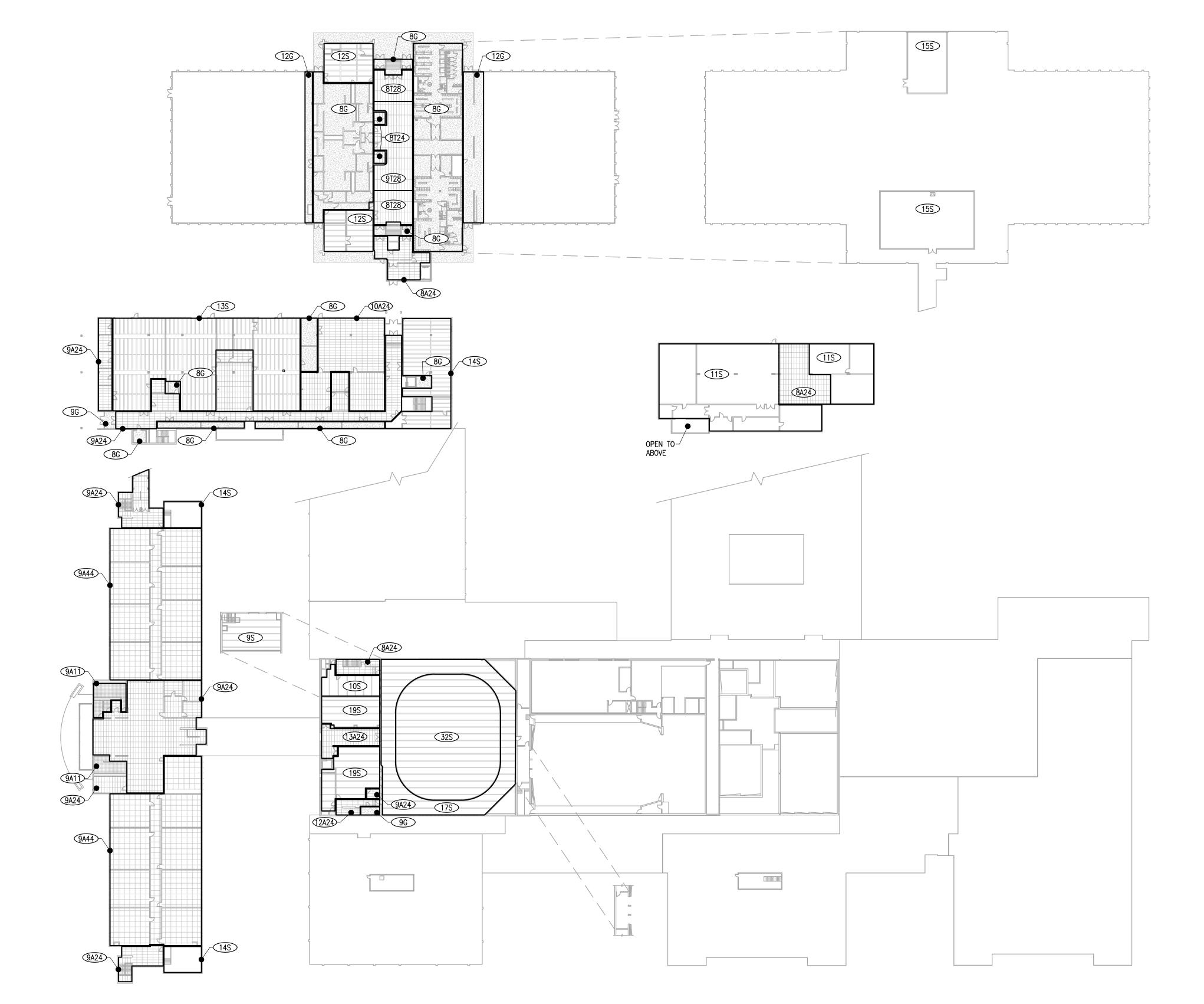
BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

LOWER, UPPER AND PENTHOUSE LEVEL - RCP

E0.13



1 LOWER - UPPER AND PENTHOUSE LEVEL - RCP



NOTIFICATION OF CHILD OCCUPIED FACILITY:

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1. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E0.02 FOR EXISTING LIGHTING

# **DEMOLITION NOTES (\*)**

DEMOLISH LIGHTING FIXTURE AND ASSOCIATED CONDUIT AND CONDUCTORS BACK TO

SOURCE PANEL.

DEMOLISH EXISTING LIGHTING CONTROL SWITCH AND ASSOCIATED CONDUIT AND CONDUCTORS BACK TO SOURCE PANEL. BACKBOX MAY BE RETAINED FOR NEW LIGHTING CONTROLS PROVIDED IAW SHEET E1.01 WHERE PRACTICAL.

No Description Date

**REVISIONS** 





BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

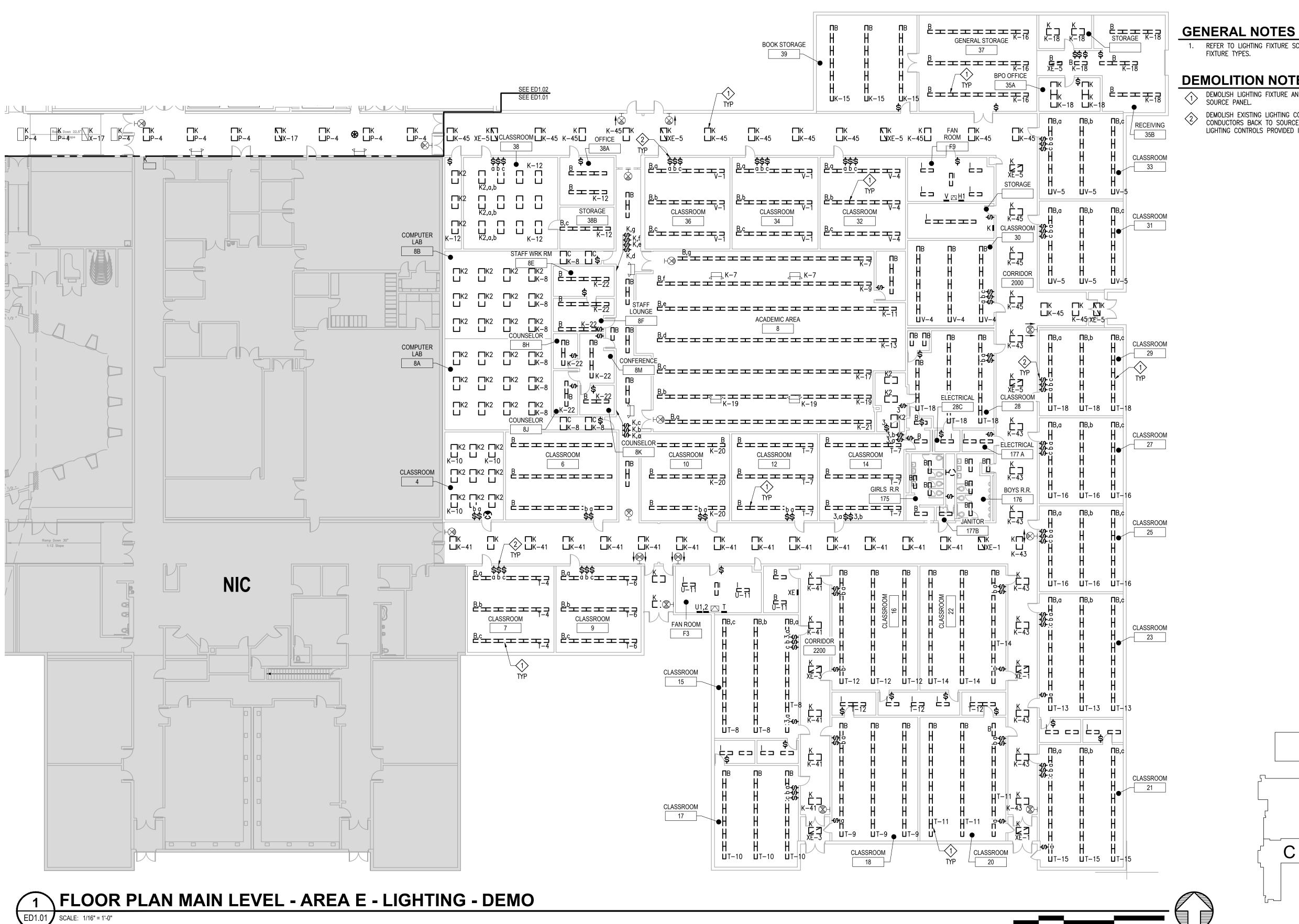
4025 E Northern Lights

BID DOCUMENTS NOVEMBER 7, 2023

FLOOR PLAN MAIN LEVEL - AREA E -LIGHTING - DEMO

ED1.01

**KEY PLAN** 



NOTIFICATION OF CHILD OCCUPIED FACILITY:

Portions of this building are classified as a child occupied facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

#### NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

# Anchorage

# **GENERAL NOTES**

1. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E0.02 FOR EXISTING LIGHTING FIXTURE TYPES.

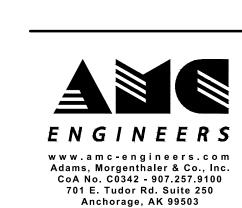
## **DEMOLITION NOTES (\*)**

- DEMOLISH LIGHTING FIXTURE AND ASSOCIATED CONDUIT AND CONDUCTORS BACK TO SOURCE PANEL.
- DEMOLISH EXISTING LIGHTING CONTROL SWITCH AND ASSOCIATED CONDUIT AND CONDUCTORS BACK TO SOURCE PANEL. BACKBOX MAY BE RETAINED FOR NEW LIGHTING CONTROLS PROVIDED IAW SHEET E1.02 WHERE PRACTICAL.

REVISIONS

No Description Date

**School District** 







3330 C St, Suite 200, Anchorage, Ak 9
T: 907.562.6076 | F: 907.562.6635

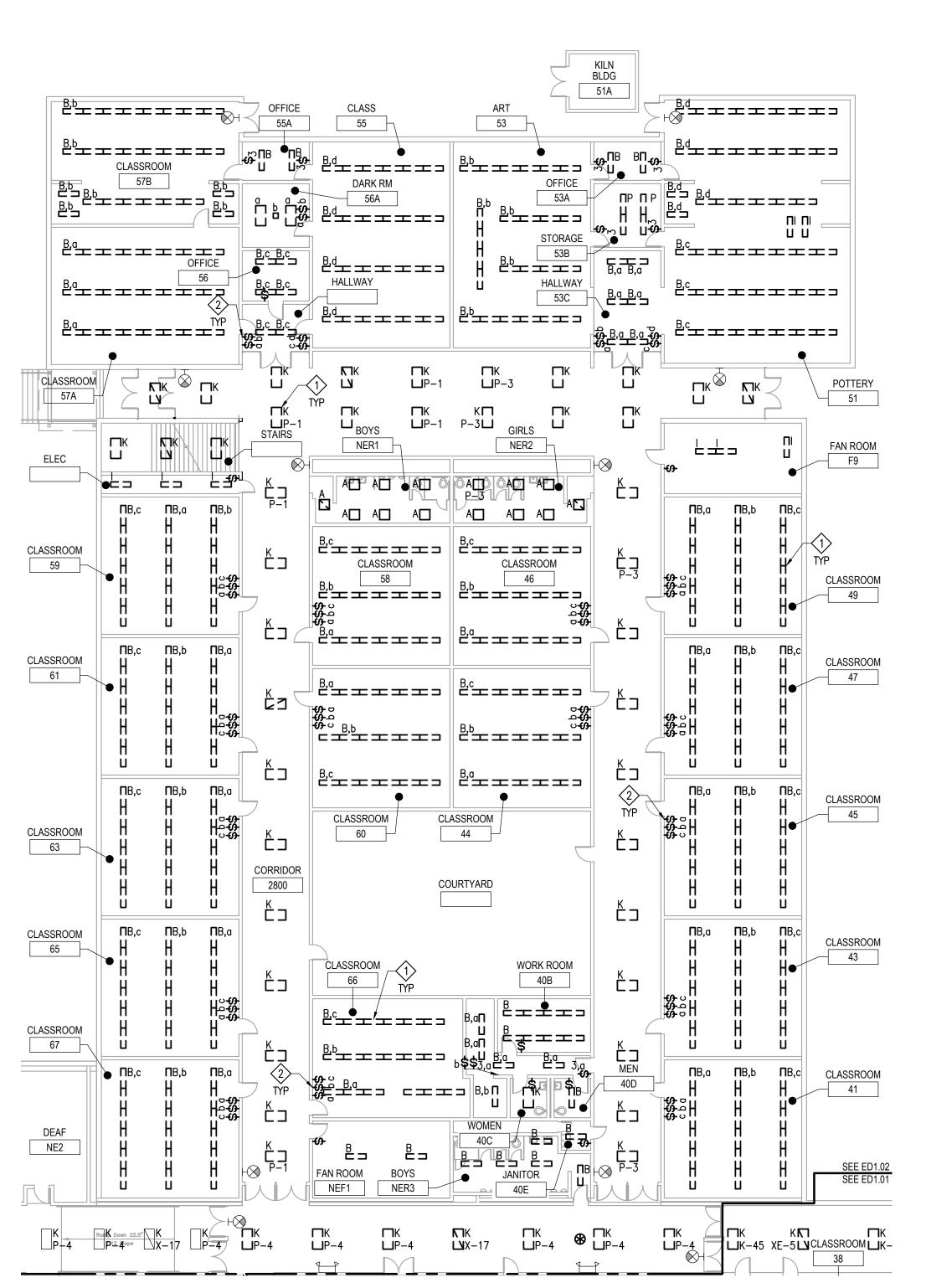
BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

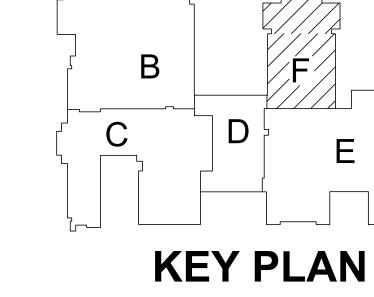
4025 E Northern Lights
BDS Project No.: 418001.002
ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

FLOOR PLAN MAIN LEVEL - AREA F -LIGHTING - DEMO

ED1.02





#### NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

# Anchorage

**REVISIONS** 

**School District** 

No Description Date

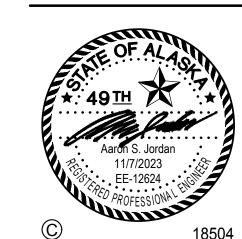
# **GENERAL NOTES**

1. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

# **DEMOLITION NOTES (\*)**

- REMOVE AND RETAIN EXISTING FIRE ALARM DEVICE FOR REINSTALLATION IAW SHEET
- REMOVE AND RETAIN EXISTING INTRUSION DETECTION DEVICE FOR REINSTALLATION IAW SHEET E1.03.
- 3> REMOVE AND RETAIN EXISTING SPEAKER FOR REINSTALLATION IAW SHEET E1.03.
- 4> REMOVE AND RETAIN EXISTING CAMERA FOR REINSTALLATION IAW SHEET E1.03.
- (5) REMOVE AND RETAIN EXISTING UNIT HEATER FOR REINSTALLATION IAW SHEET E1.03.
- SURFACE CEILING MOUNTED RACEWAY. REMOVE AND RE-ROUTE CIRCUITS ABOVE NEW CEILING PROVIDED UNDER THIS PROJECT.
- REMOVE AND RETAIN EXISTING WIRELESS ACCESS POINT FOR REINSTALLATION IAW SHEET E1.03. DEMOLISH ASSOCIATED CABLING BACK TO SOURCE PATCH PANEL.





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BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

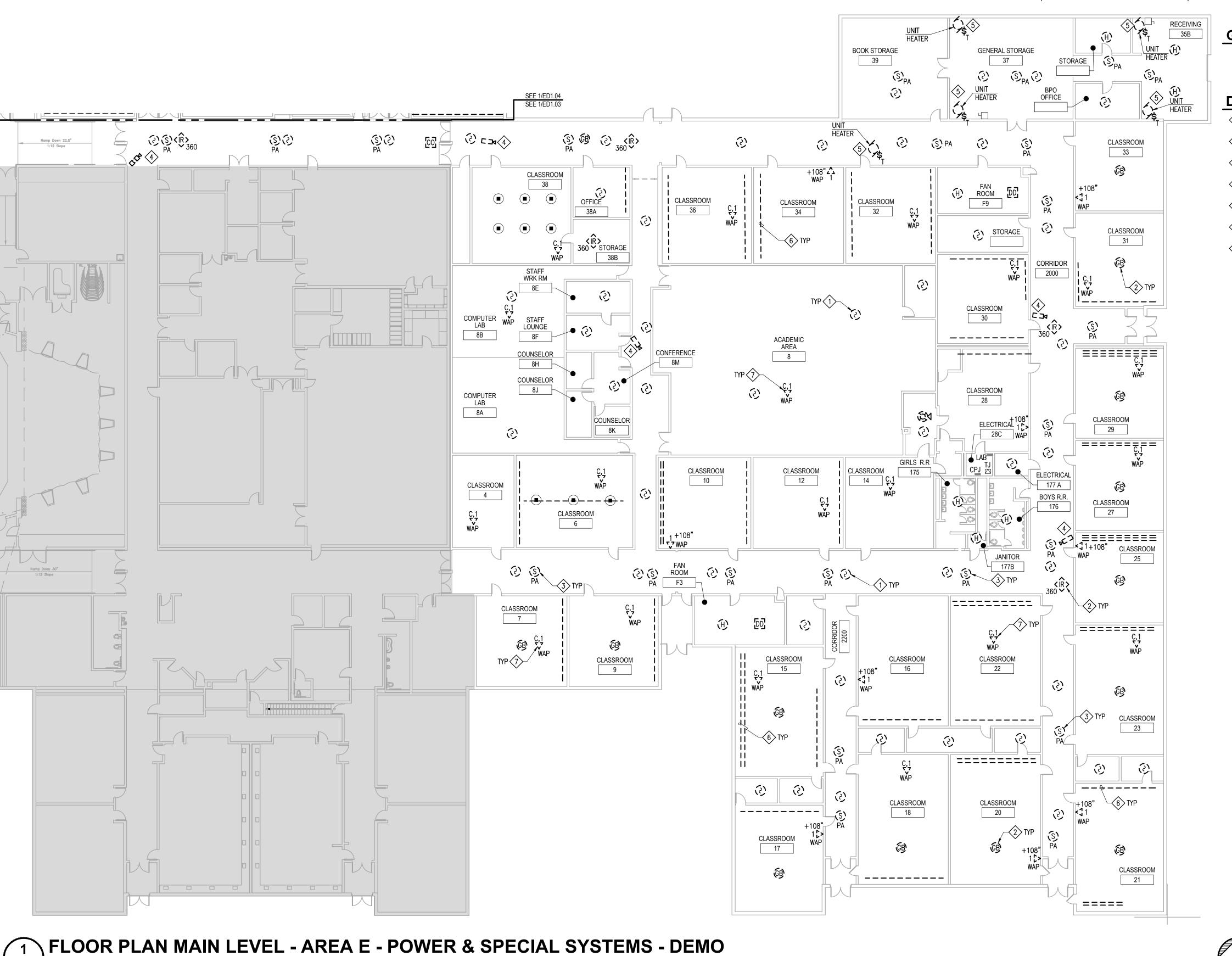
4025 E Northern Lights BDS Project No.: ASD Project No.:

BID DOCUMENTS NOVEMBER 7, 2023

FLOOR PLAN MAIN LEVEL - AREA E -POWER & SPECIAL SYSTEMS - DEMO

ED1.03

**KEY PLAN** 



#### NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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**

1. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

**REVISIONS** 

No Description Date

# **DEMOLITION NOTES (\*)**

- REMOVE AND RETAIN EXISTING FIRE ALARM DEVICE FOR REINSTALLATION IAW SHEET
- REMOVE AND RETAILS IAW SHEET E1.04. REMOVE AND RETAIN EXISTING INTRUSION DETECTION DEVICE FOR REINSTALLATION
- REMOVE AND RETAIN EXISTING SPEAKER FOR REINSTALLATION IAW SHEET E1.04.
- REMOVE AND RETAIN EXISTING CAMERA FOR REINSTALLATION IAW SHEET E1.04.
- 5 NOT USED
- SURFACE CEILING MOUNTED RACEWAY. REMOVE AND RE-ROUTE CIRCUITS ABOVE NEW CEILING PROVIDED UNDER THIS PROJECT.
- REMOVE AND RETAIN EXISTING WIRELESS ACCESS POINT FOR REINSTALLATION IAW SHEET E1.04. DEMOLISH ASSOCIATED CABLING BACK TO SOURCE PATCH PANEL.







T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

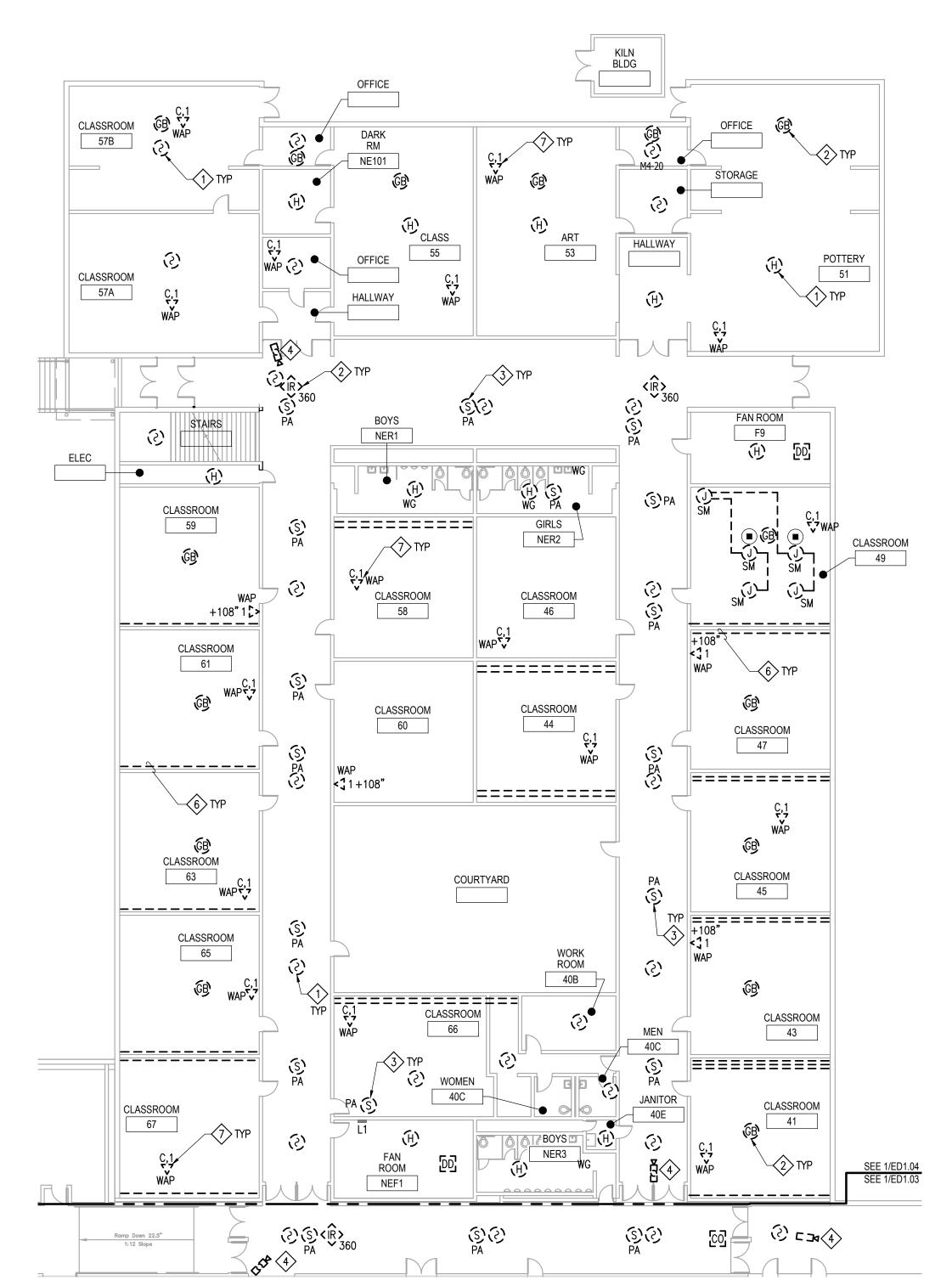
BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

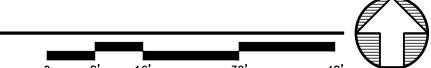
BID DOCUMENTS NOVEMBER 7, 2023

FLOOR PLAN MAIN LEVEL - AREA F -**POWER & SPECIAL** SYSTEMS - DEMO

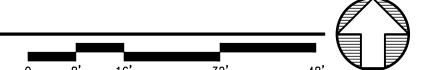
ED1.04











NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

# Anchorage

**REVISIONS** 

**School District** 

SHEET NOTES (#)

PROVIDE LIGHTING FIXTURE AT LOCATION INDICATED. CONNECT FIXTURE TO PANEL

REFER TO PANEL SCHEDULES ON SHEET E0.03 FOR ADDITIONAL INFORMATION ON

REFER TO LIGHTING FIXTURE AND LIGHTING CONTROL SCHEDULES ON SHEET E0.02

FOR ADDITIONAL INFORMATION ON FIXTURE TYPES, LOCATIONS AND LIGHTING

CONTROL REQUIREMENTS.

CIRCUITING.

"K", CIRCUIT AS NOTED. PROVIDE TYPE XA EMERGENCY LIGHTING FIXTURE AT LOCATION INDICATED. CONNECT TO LOCAL UNSWITCHED LIGHTING CIRCUIT.

LOCATION OF EXISTING TEACHING WALL. REFER TO LIGHTING CONTROL SCHEDULES

DIAMOND NOTES ON THIS SHEET REPRESENT LIGHTING CONTROL ZONE. REFER TO LIGHTING CONTROL SCHEDULE ON SHEET E0.02 FOR ADDITIONAL INFORMATION.

PANEL AND CIRCUIT IDENTIFICATION. CIRCUIT LIGHTING IN THIS AREA TO CIRCUIT

MOUNT nLIGHT ECLYPSE CONTROLLER TO WALLBOARD AND CONNECT TO EXISTING

ENGINEERS www.amc-engineers.com Adams, Morgenthaler & Co., Inc CoA No. C0342 - 907.257.9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503



BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

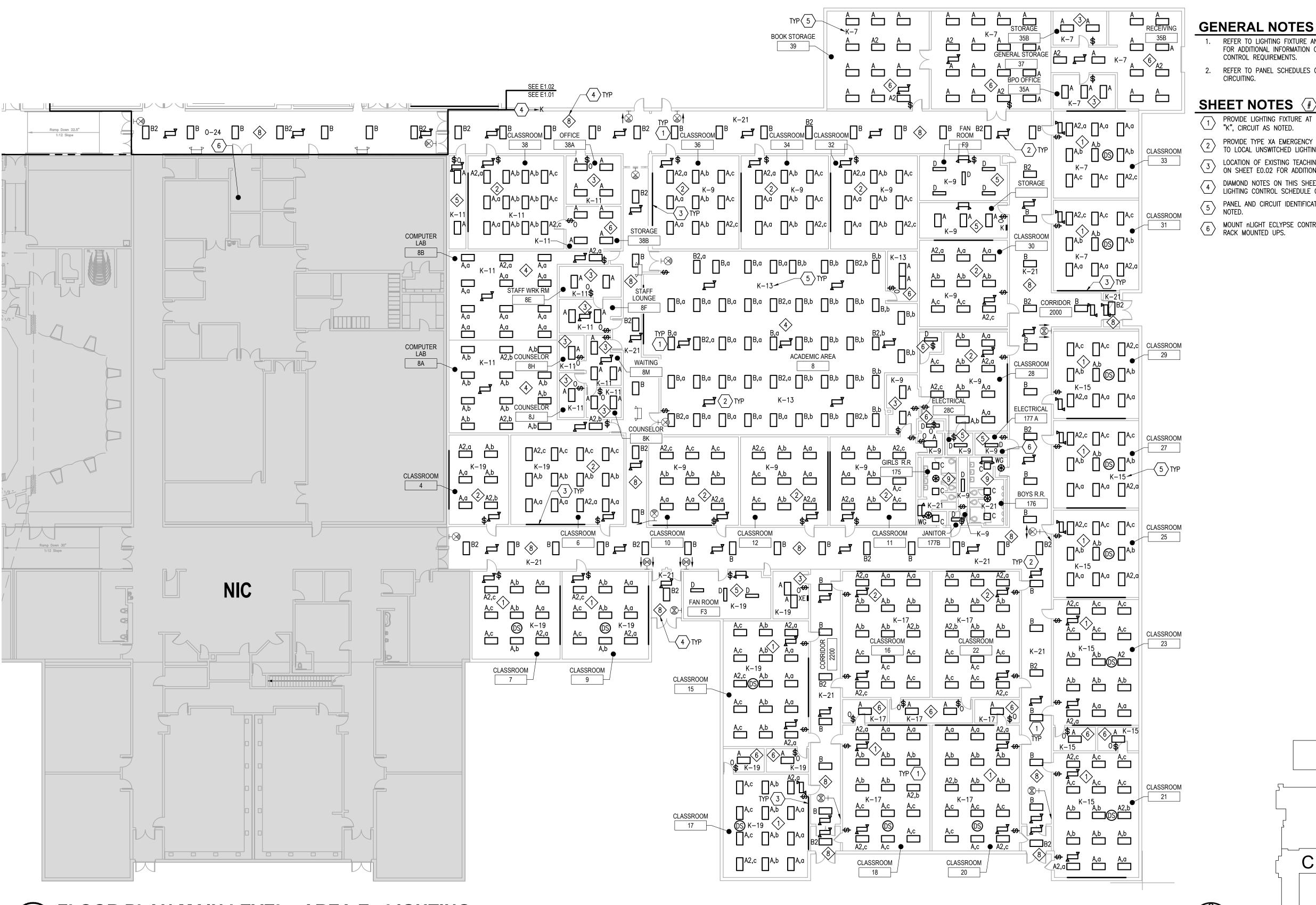
4025 E Northern Lights

BID DOCUMENTS NOVEMBER 7, 2023

FLOOR PLAN MAIN LEVEL - AREA E -LIGHTING

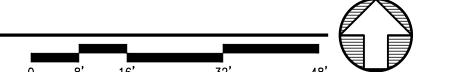
E1.01

**KEY PLAN** 











#### NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

# Anchorage

**REVISIONS** 

No Description Date

**School District** 

# **GENERAL NOTES**

- 1. REFER TO LIGHTING FIXTURE AND LIGHTING CONTROL SCHEDULES ON SHEET E0.02 FOR ADDITIONAL INFORMATION ON FIXTURE TYPES, LOCATIONS AND LIGHTING CONTROL REQUIREMENTS.
- 2. REFER TO PANEL SCHEDULES ON SHEET E0.03 FOR ADDITIONAL INFORMATION ON CIRCUITING.

# SHEET NOTES (#)

- PROVIDE LIGHTING FIXTURE AT LOCATION INDICATED. CONNECT FIXTURE TO PANEL "O", CIRCUIT AS NOTED.
- PROVIDE TYPE XA EMERGENCY LIGHTING FIXTURE AT LOCATION INDICATED. CONNECT TO LOCAL UNSWITCHED LIGHTING CIRCUIT.
- LOCATION OF EXISTING TEACHING WALL. REFER TO LIGHTING CONTROL SCHEDULES ON SHEET E0.02 FOR ADDITIONAL INFORMATION.
- DIAMOND NOTES ON THIS SHEET REPRESENT LIGHTING CONTROL ZONE. REFER TO LIGHTING CONTROL SCHEDULE ON SHEET E0.02 FOR ADDITIONAL INFORMATION.
- MOUNT nLIGHT ECLYPSE CONTROLLER TO WALLBOARD AND CONNECT TO EXISTING RACK MOUNTED UPS.

PANEL AND CIRCUIT IDENTIFICATION. CIRCUIT LIGHTING IN THIS AREA TO CIRCUIT





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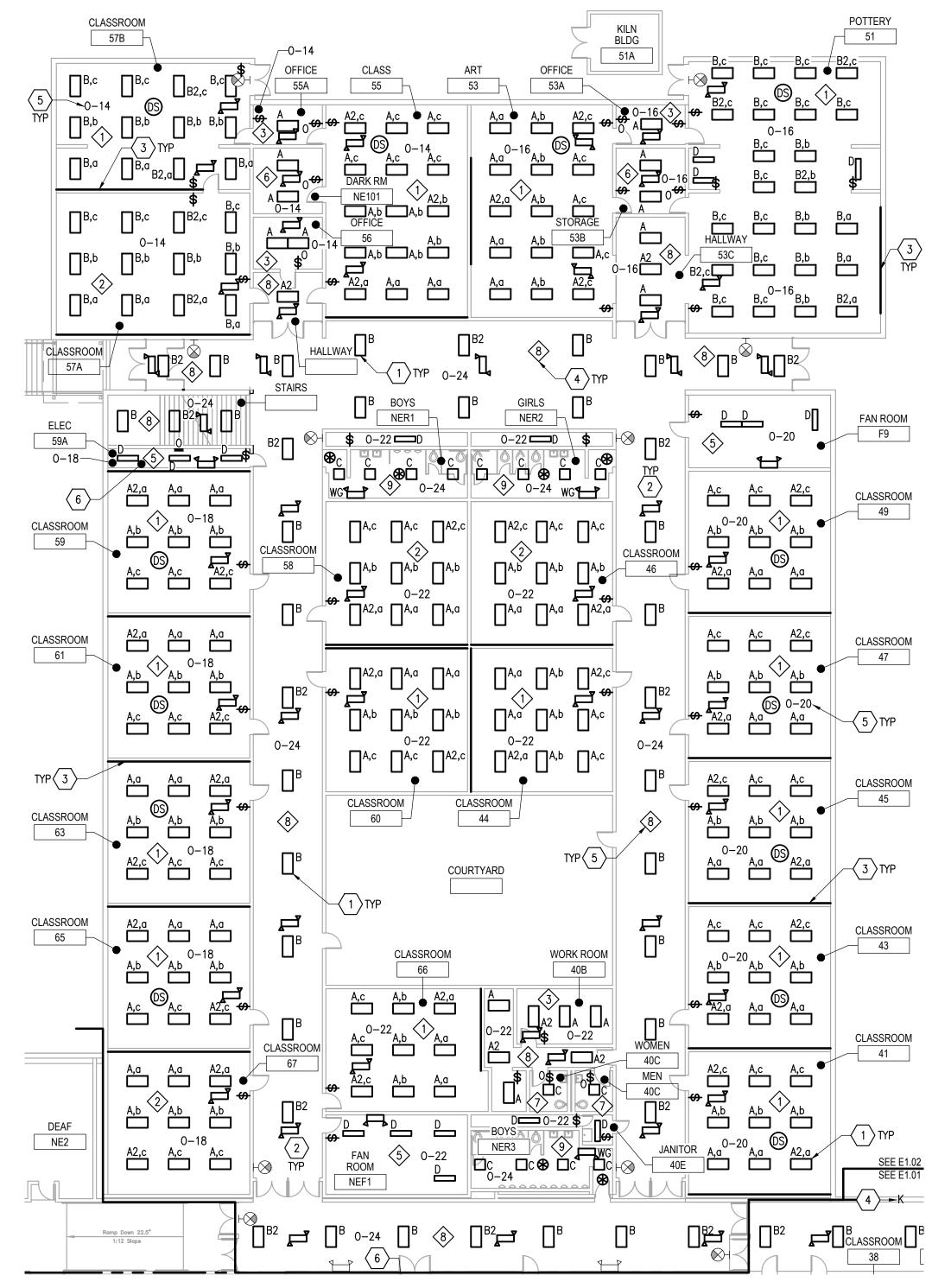
BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights
BDS Project No.: 418001.002

BID DOCUMENTS NOVEMBER 7, 2023

FLOOR PLAN MAIN LEVEL - AREA F -LIGHTING

E1.02





Portions of this building are classified as a child occupied facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of lead materials and the installation of new materials or components. This notification NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

## Anchorage

**REVISIONS** 

**School District** 

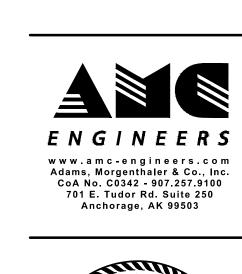
No Description Date

#### **GENERAL NOTES**

- 1. REFER TO SHEET ED1.03 FOR ADDITIONAL INFORMATION ON CEILING MOUNTED DEVICES RETAINED FOR REINSTALLATION.
- 2. RE-ROUTE CIRCUITS PREVIOUSLY ROUTED IN SURFACE CEILING RACEWAY ABOVE NEW CEILING IN CONDUIT. INTERCEPT. EXTEND AND RECONNECT AS REQUIRED. REFER TO DEMOLITION PLAN FOR LOCATIONS OF SURFACE CEILING RACEWAY

#### SHEET NOTES (#)

- REINSTALL FIRE ALARM DEVICE REMOVED UNDER DEMOLITION PHASE. RECONNECT TO EXISTING CIRCUIT.
- REINSTALL INTRUSION DETECTION D'RECONNECT TO EXISTING CIRCUIT. REINSTALL INTRUSION DETECTION DEVICE REMOVED UNDER DEMOLITION PHASE.
- REINSTAL CIRCUIT. REINSTALL SPEAKER REMOVED UNDER DEMOLITION PHASE. RECONNECT TO EXISTING
- REINSTALL CAMERA REMOVED UNDER DEMOLITION PHASE. RECONNECT TO EXISTING 4 REINSTAL CIRCUIT.
- ALTERNATE #2: PROVIDE GFCI RECEPTACLES FOR CONNECTION TO BOTTLE FILL AND DRINKING FOUNTAIN. COORDINATE EXACT LOCATIONS AND ELEVATIONS WITH MANUFACTURERS REQUIREMENTS PRIOR TO INSTALLATION.
- REINSTALL WIRELESS ACCESS POINT REMOVED UNDER DEMOLITION PHASE. PROVIDE CONDUIT AND CABLING AND CONNECT TO CAT 6A PATCH PANEL IN TELECOM ROOM 177A IAW SHEET NOTE 9. LOCATE ACCESS POINT AS CLOSE TO CENTER OF ROOM
- PROVIDE CEILING MOUNTED TELECOM OUTLET FOR FUTURE OFOI WIRELESS ACCESS POINT. PROVIDE CONDUIT AND CABLING AND CONNECT TO CAT 6A PATCH PANEL IN TELECOM ROOM 177A IAW SHEET NOTE 9. LOCATE TELECOM OUTLET AS CLOSE TO CENTER OF ROOM AS PRACTICAL.
- RECONNECT UNIT HEATER REMOVED DURING DEMOLITION PHASE TO EXISTING CIRCUIT.
- DEMOLISH EXISTING 24 PORT CAT 6 ACCESS POINT PATCH PANEL AND PROVIDE 9 DEMOLISH EXISTING 24 PORT CAT & ACCESS FORT CABLING NEW 48 PORT CAT 6A PATCH PANEL, PATCH PANEL AND ACCESS POINT CABLING TO BE BY COMMSCOPE, SUBMIT FOR APPROVAL.





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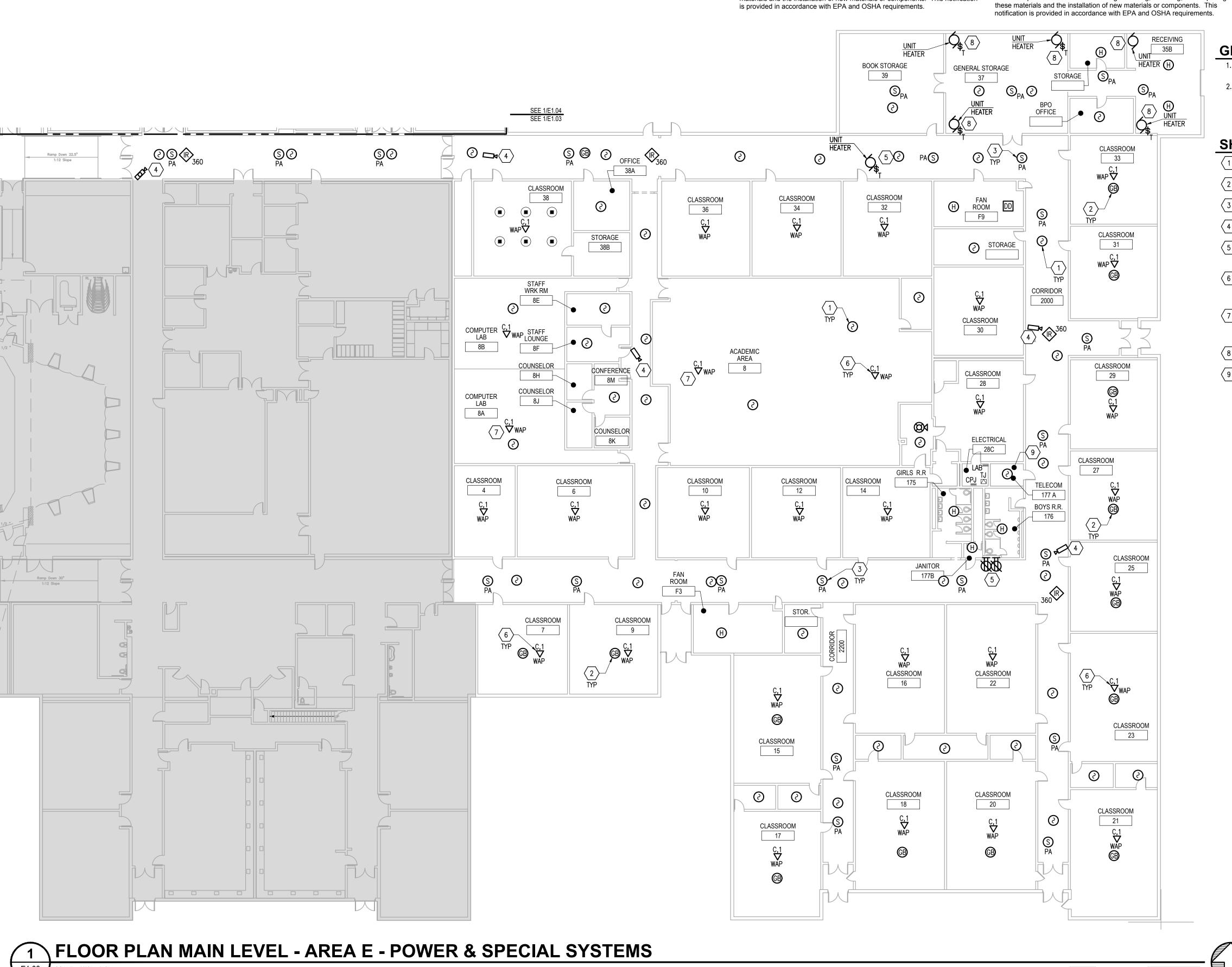
BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: ASD Project No.:

BID DOCUMENTS

FLOOR PLAN MAIN LEVEL - AREA E -POWER & SPECIAL SYSTEMS

E1.03



Portions of this building are classified as a child occupied facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

#### NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

## Anchorage

**School District** 

**REVISIONS** 

No Description Date

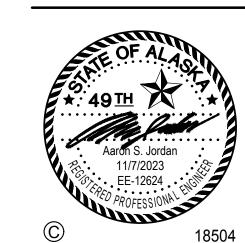
#### **GENERAL NOTES**

- 1. REFER TO SHEET ED1.04 FOR ADDITIONAL INFORMATION ON CEILING MOUNTED DEVICES RETAINED FOR REINSTALLATION.
- 2. RE-ROUTE CIRCUITS PREVIOUSLY ROUTED IN SURFACE CEILING RACEWAY ABOVE NEW CEILING IN CONDUIT. INTERCEPT, EXTEND AND RECONNECT AS REQUIRED. REFER TO DEMOLITION PLAN FOR LOCATIONS OF SURFACE CEILING RACEWAY

#### SHEET NOTES (#)

- REINSTALL FIRE ALARM DEVICE REMOVED UNDER DEMOLITION PHASE. RECONNECT TO EXISTING CIRCUIT.
- REINSTALL INTRUSION DETECTION DRECONNECT TO EXISTING CIRCUIT. REINSTALL INTRUSION DETECTION DEVICE REMOVED UNDER DEMOLITION PHASE.
- REINSTALL SPEAKER REMOVED UNDER DEMOLITION PHASE. RECONNECT TO EXISTING REINSTAL CIRCUIT.
- REINSTALL CAMERA REMOVED UNDER DEMOLITION PHASE. RECONNECT TO EXISTING 4 REINSTAL CIRCUIT.
- 5 NOT USED.
- REINSTALL WIRELESS ACCESS POINT REMOVED UNDER DEMOLITION PHASE. PROVIDE CONDUIT AND CABLING AND CONNECT TO CAT 6A PATCH PANEL IN ELECTRICAL ROOM 100 IAW SHEET NOTE 8. LOCATE ACCESS POINT AS CLOSE TO CENTER OF ROOM AS PRACTICAL.
- ALTERNATE #2: PROVIDE GFCI RECEPTACLES FOR CONNECTION TO BOTTLE FILL AND DRINKING FÖUNTAIN. COORDINATION EXACT LOCATIONS AND ELEVATIONS WITH MANUFACTURERS REQUIREMENTS PRIOR TO INSTALLATION.
- B DEMOLISH EXISTING 24 PORT CAT 6 ACCESS POINT PATCH PANEL AND PROVIDE NEW 24 PORT CAT 6A PATCH PANEL. PATCH PANEL AND ACCESS POINT CABLING TO BE BY COMMSCOPE, SUBMIT FOR APPROVAL.
- REFER TO NOTE 1 ON OVERALL PLANS FOR LOCATIONS AND INFORMATION ON CFCI CAMERAS TO BE PROVIDED UNDER BASE BID.







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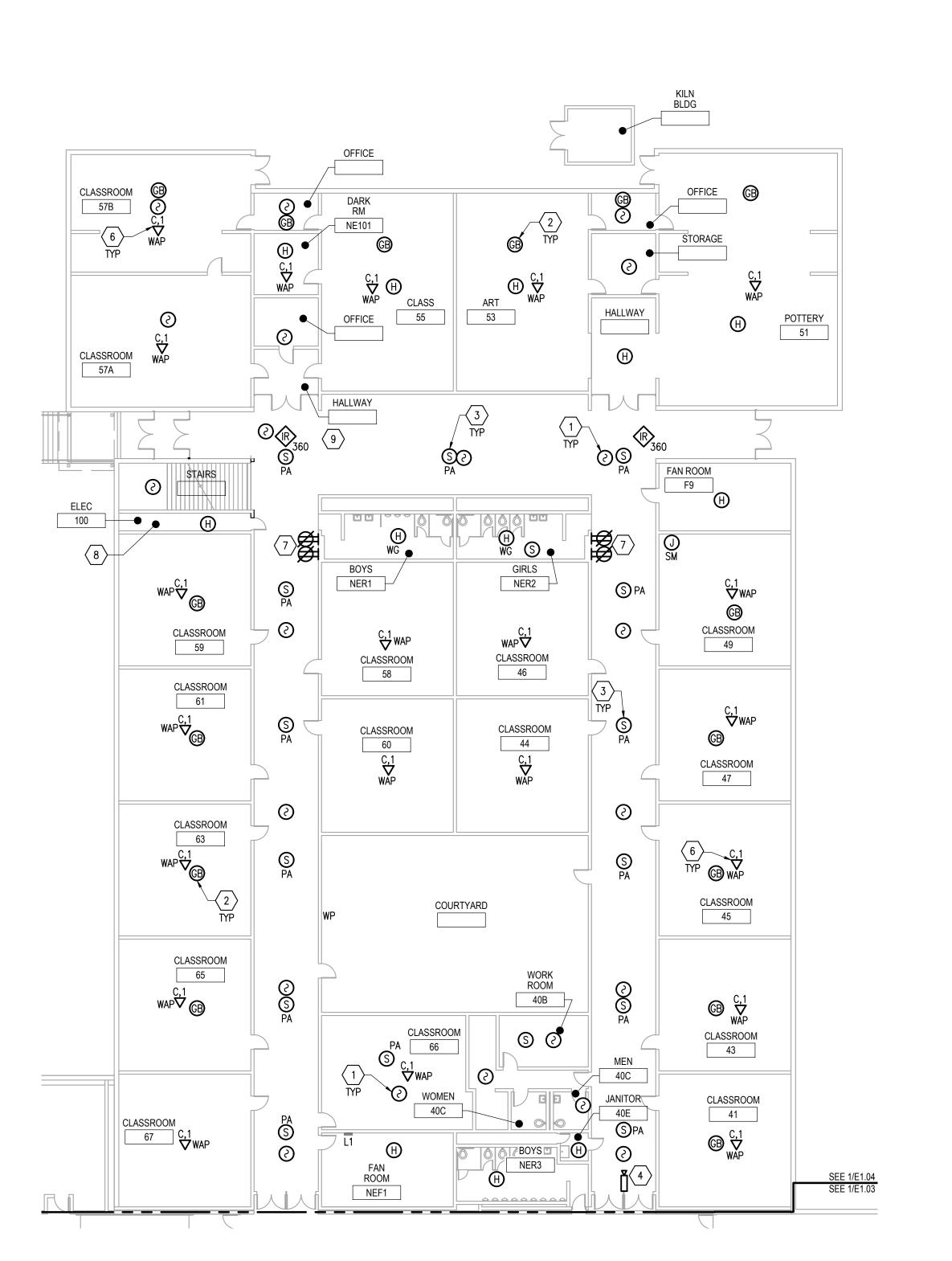
BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

BID DOCUMENTS NOVEMBER 7, 2023

FLOOR PLAN MAIN LEVEL - AREA F -POWER & SPECIAL SYSTEMS

E1.04





#### NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

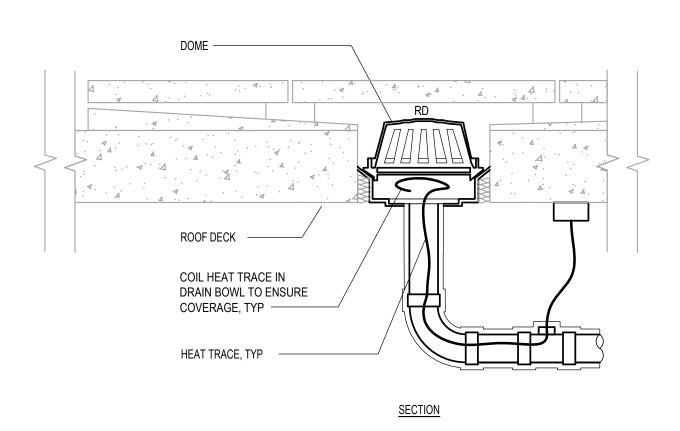
## SHEET NOTES

PROVIDE RELAY FOR CONTROL OF HEAT TRACE BY BUILDING AUTOMATION SYSTEM. CONNECT RAIN LEADER HEAT TRACE TO CIRCUIT NOTED VIA RELAY. REFER TO MECHANICAL SHEET M2.04 AND DETAIL ON THIS SHEET FOR ADDITIONAL

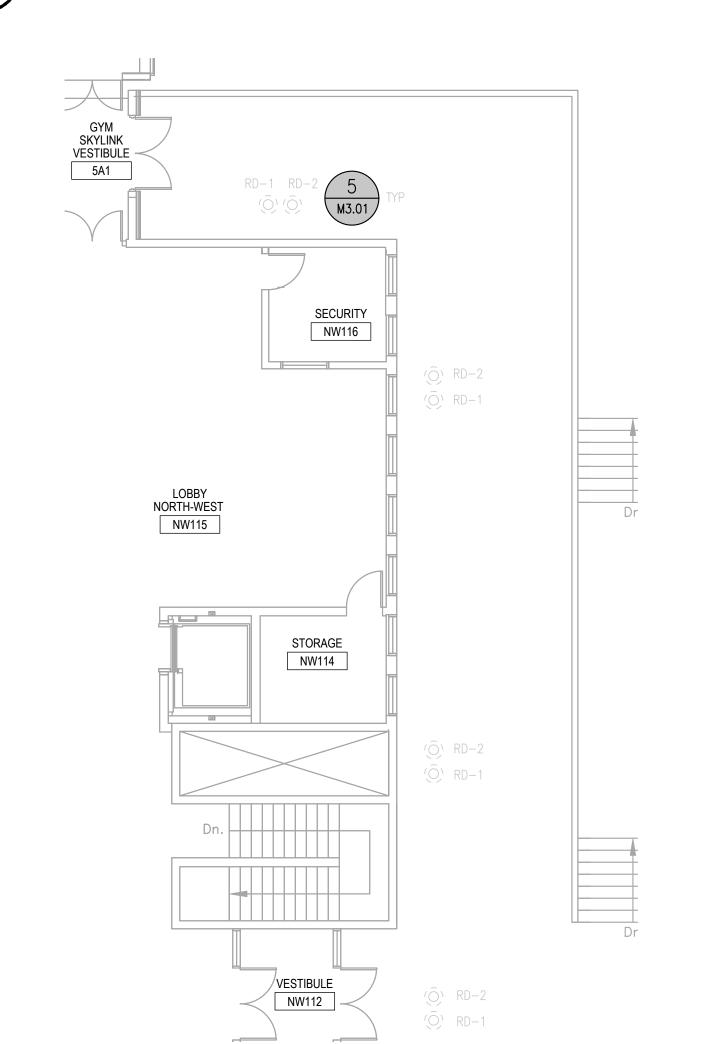


Anchorage School District

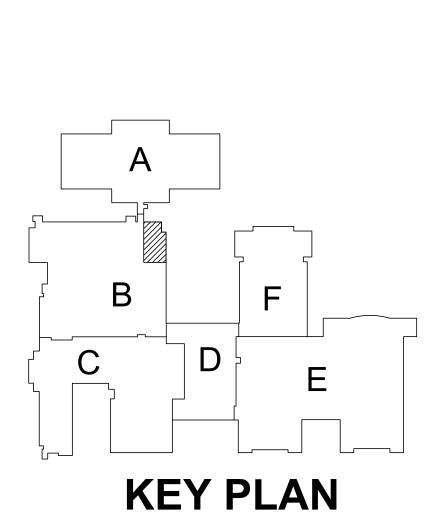
**REVISIONS** No Description Date

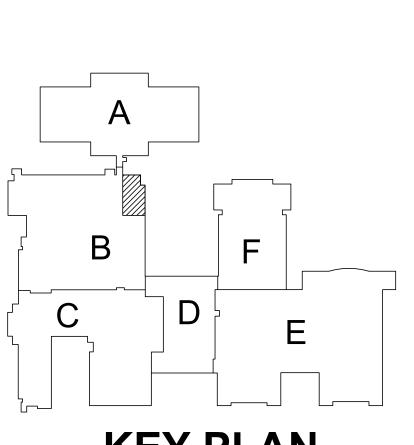


## 3 DETAIL - HEAT TRACE - ROOF DRAINS













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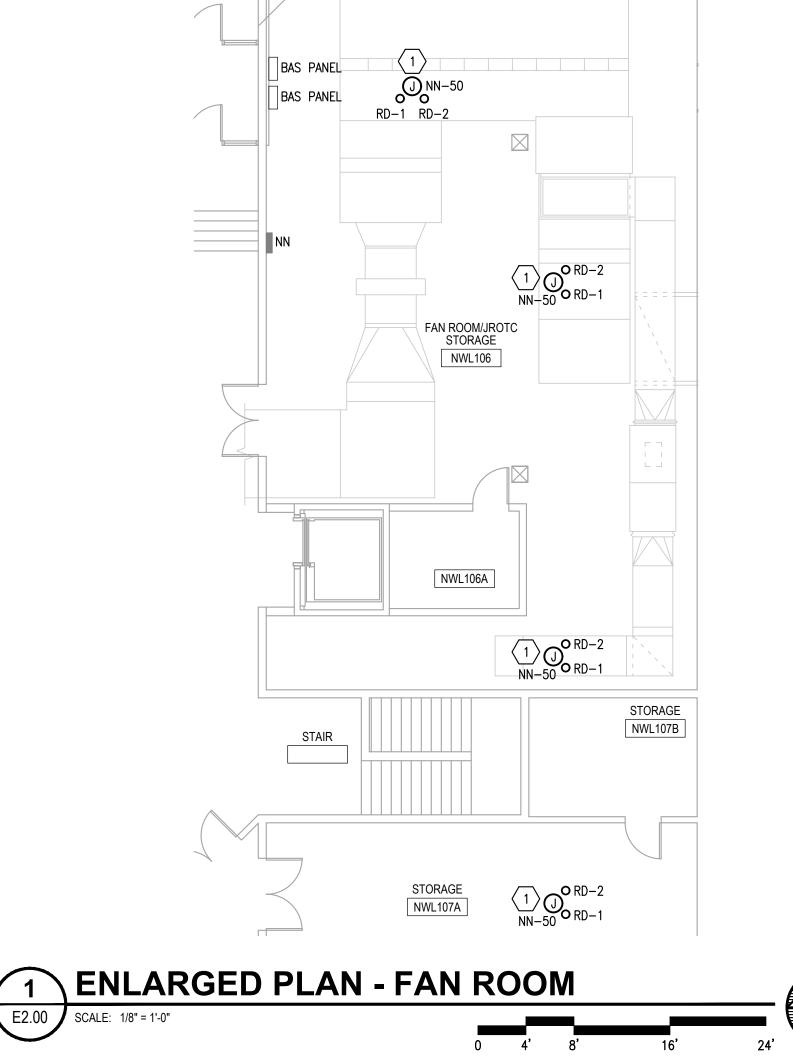
BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

**4025 E Northern Lights**BDS Project No.: 418001.002

ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

ADD ALT 1 -ENLARGED PLAN PLAZA



NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

Anchorage School District

**REVISIONS** 

No Description Date

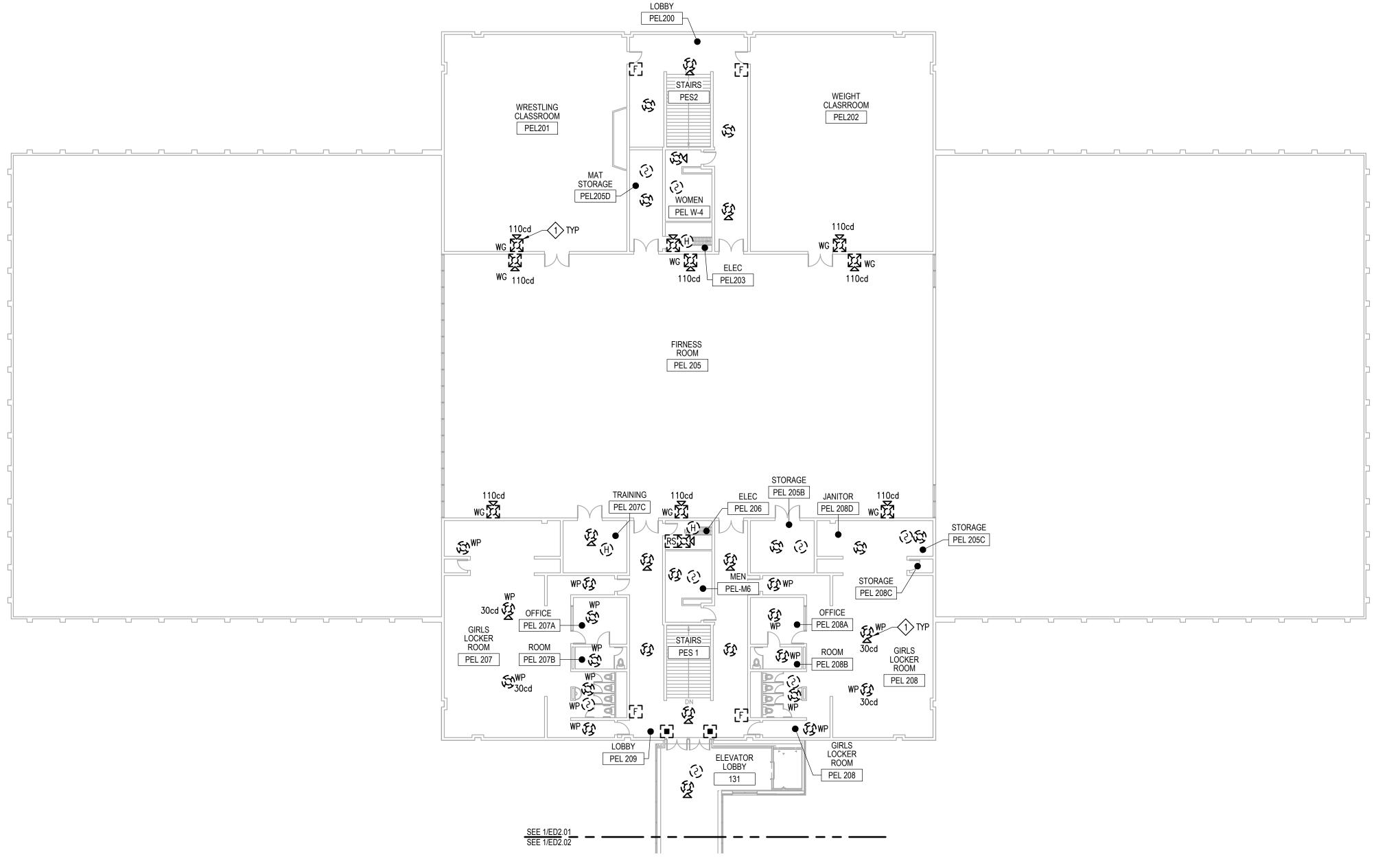
### **GENERAL NOTES**

1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.

2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

#### **DEMOLITION NOTES (4)**

DEMOLISH EXISTING FIRE ALARM DEVICE, BACK BOX AND ASSOCIATED CONDUCTORS BACK TO SOURCE PANEL.





ENGINEERS

w w w . a m c - e n g i n e e r s . c o m Adams, Morgenthaler & Co., Inc.

CoA No C0342 - 907 257 9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA 4025 E Northern Lights

BDS Project No.: 418001.002

ASD Project No.: 19C0002 ADD ALT 3 - FLOOR PLAN MAIN LEVEL

**KEY PLAN** 

AREA A - SPECIAL SYSTEMS - DEMO ED2.01

ADD ALT 3 - FLOOR PLAN MAIN LEVEL - AREA A - SPECIAL SYSTEMS - DEMO



#### NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

Anchorage School District

**REVISIONS** 

No Description Date

#### **GENERAL NOTES**

- 1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.
- 2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

#### **DEMOLITION NOTES (4)**

DEMOLISH EXISTING FIRE ALARM DEVICE, BACK BOX AND ASSOCIATED CONDUCTORS BACK TO SOURCE PANEL.



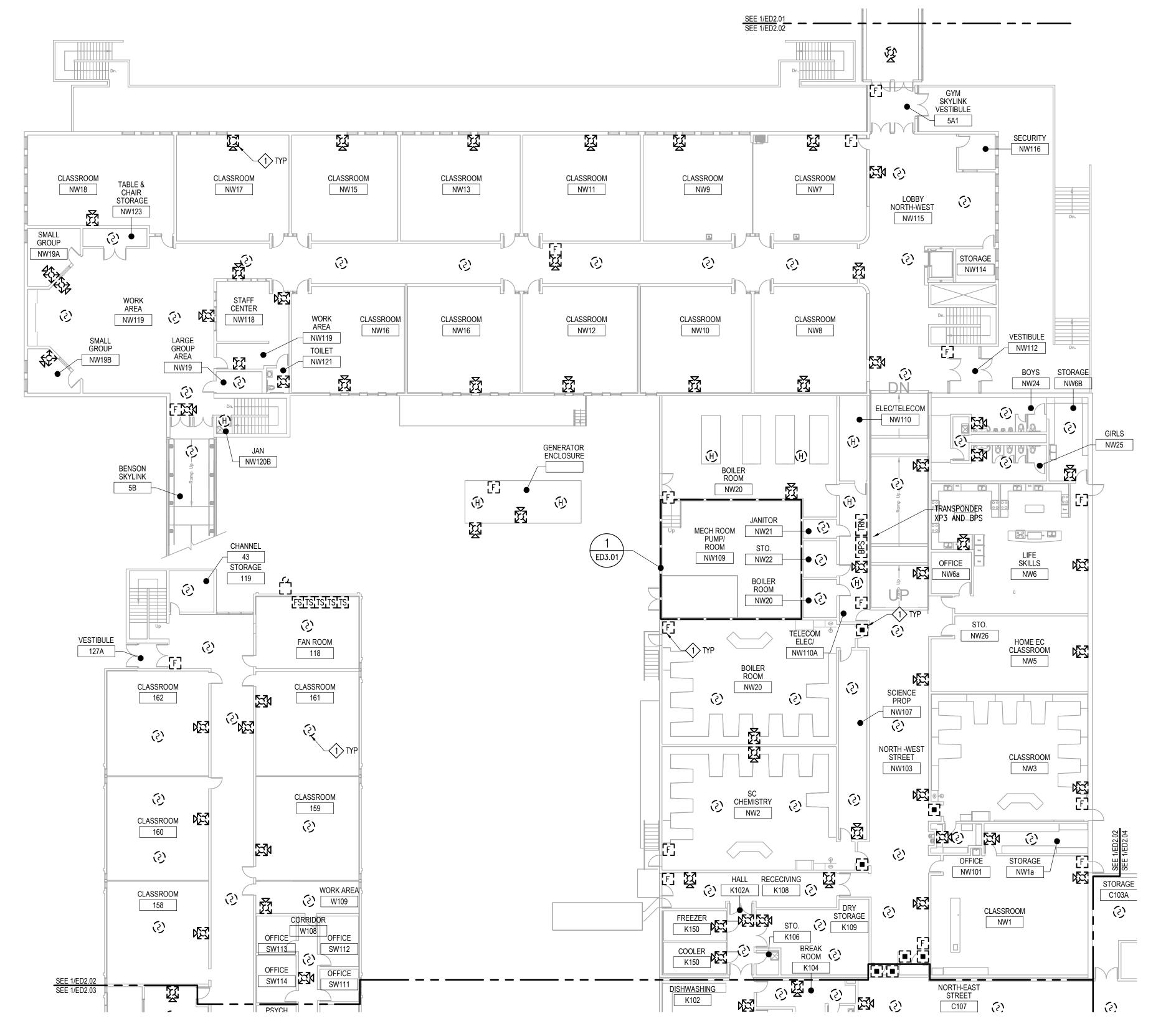


BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES

4025 E Northern Lights

ADD ALT 3 - FLOOR PLAN MAIN LEVEL AREA B - SPECIAL SYSTEMS - DEMO

ED2.02







T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

ACADEMIC AREA

BID DOCUMENTS NOVEMBER 7, 2023

NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

**School District** 

**REVISIONS** 

No Description Date

#### **GENERAL NOTES**

1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.

2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

#### **DEMOLITION NOTES (4)**

DEMOLISH EXISTING FIRE ALARM DEVICE, BACK BOX AND ASSOCIATED CONDUCTORS BACK TO SOURCE PANEL.





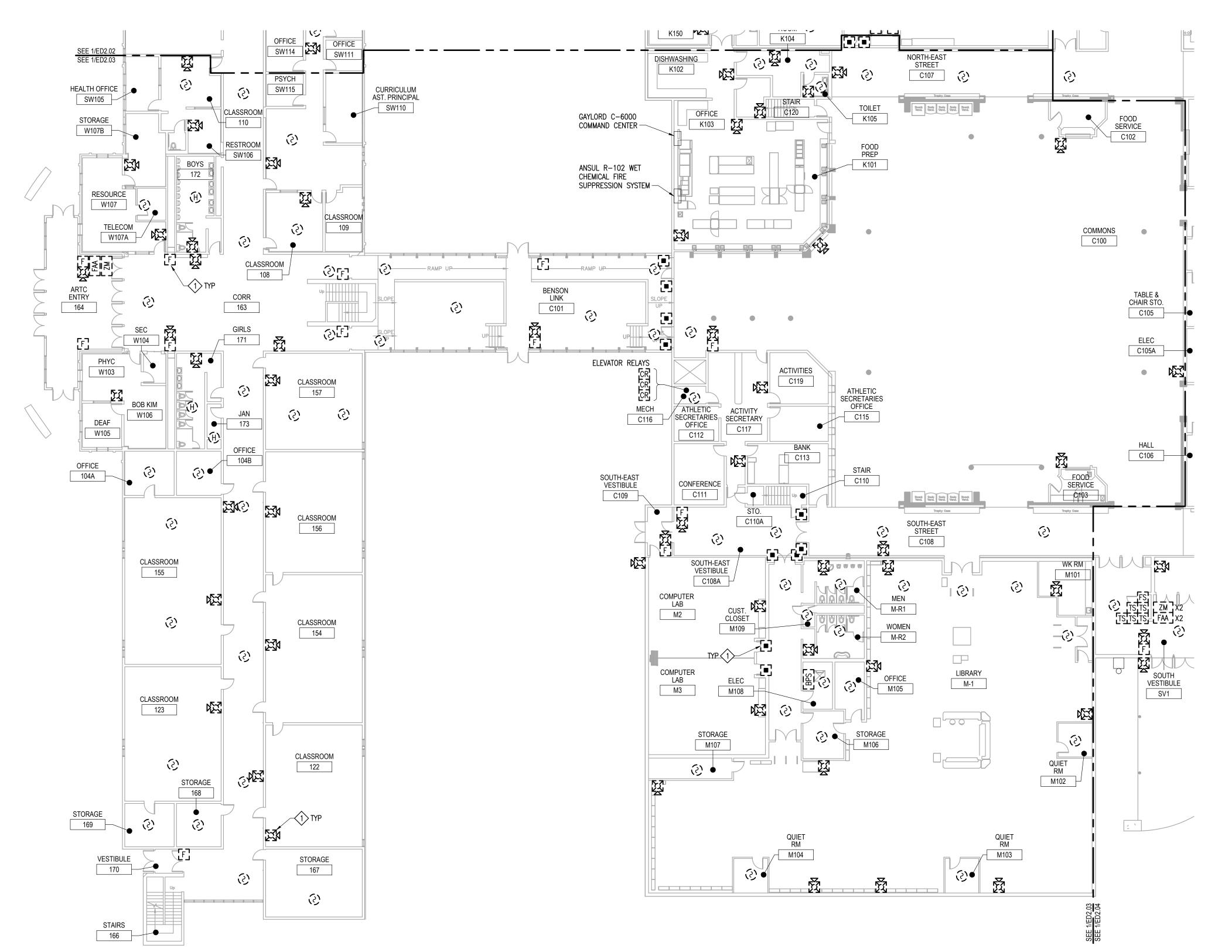
T: 907.562.6076 | F: 907.562.6635

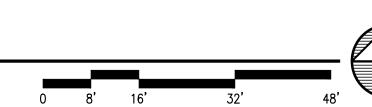
BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

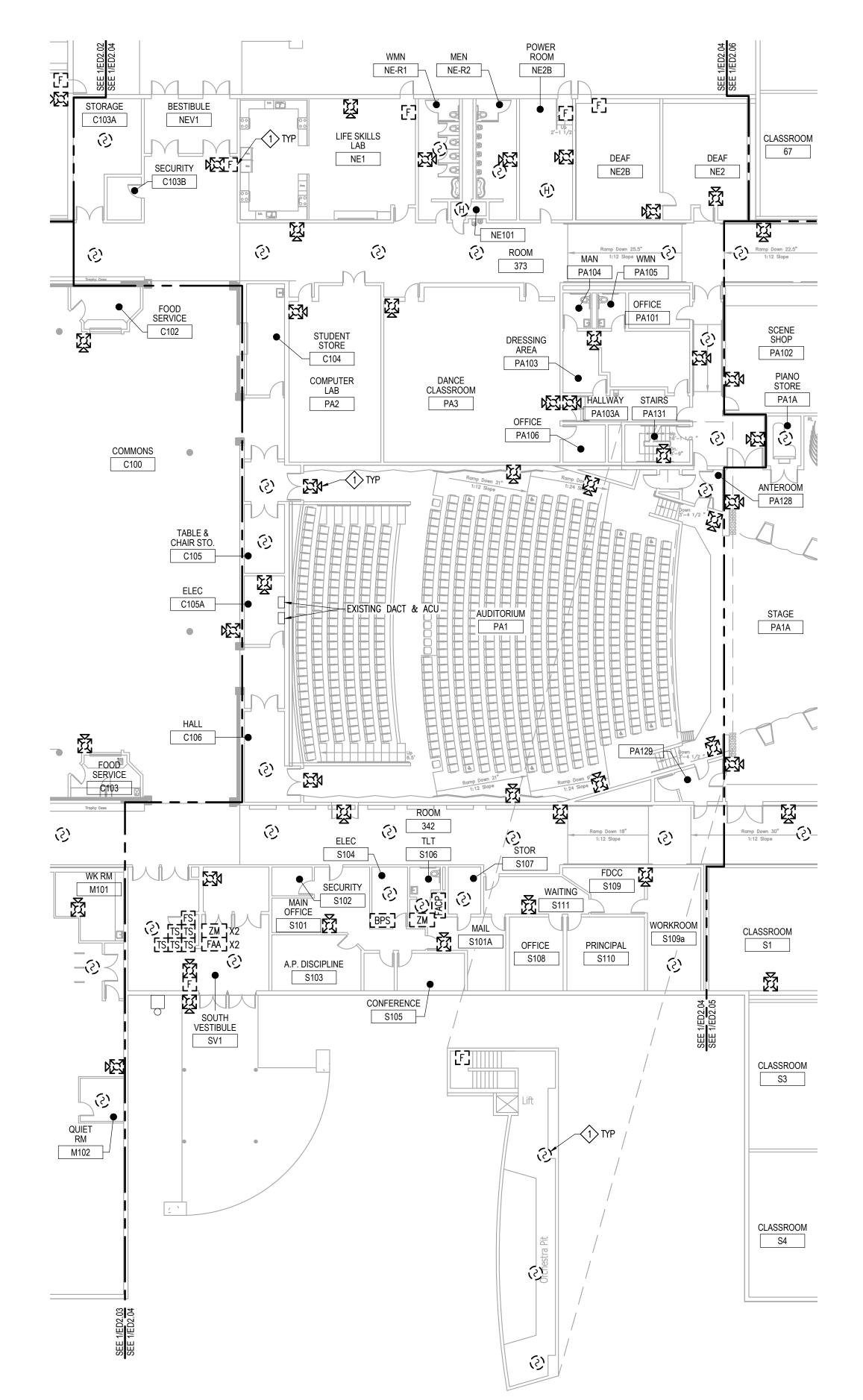
4025 E Northern Lights

BID DOCUMENTS NOVEMBER 7, 2023

ADD ALT 3 - FLOOR PLAN MAIN LEVEL AREA C - SPECIAL SYSTEMS - DEMO







Portions of this building are classified as a child occupied facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

#### NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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**

- 1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.
- 2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

#### **DEMOLITION NOTES (\*)**

DEMOLISH EXISTING FIRE ALARM DEVICE, BACK BOX AND ASSOCIATED CONDUCTORS BACK TO SOURCE PANEL.



Anchorage School District

**REVISIONS** 

No Description Date





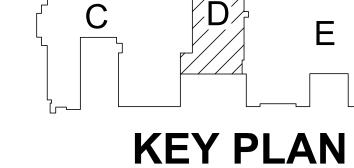
T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

BID DOCUMENTS NOVEMBER 7, 2023

ADD ALT 3 - FLOOR PLAN MAIN LEVEL AREA D - SPECIAL SYSTEMS - DEMO









**BOOK STORAGE** 

39

NOTIFICATION OF POTENTIAL HAZARDS:

STORAGE

GENERAL STORAGE

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.



ENGINEERS

www.amc-engineers.com

Adams, Morgenthaler & Co., Inc

CoA No. C0342 - 907.257.9100 701 E. Tudor Rd. Suite 250

Anchorage, AK 99503

No Description Date

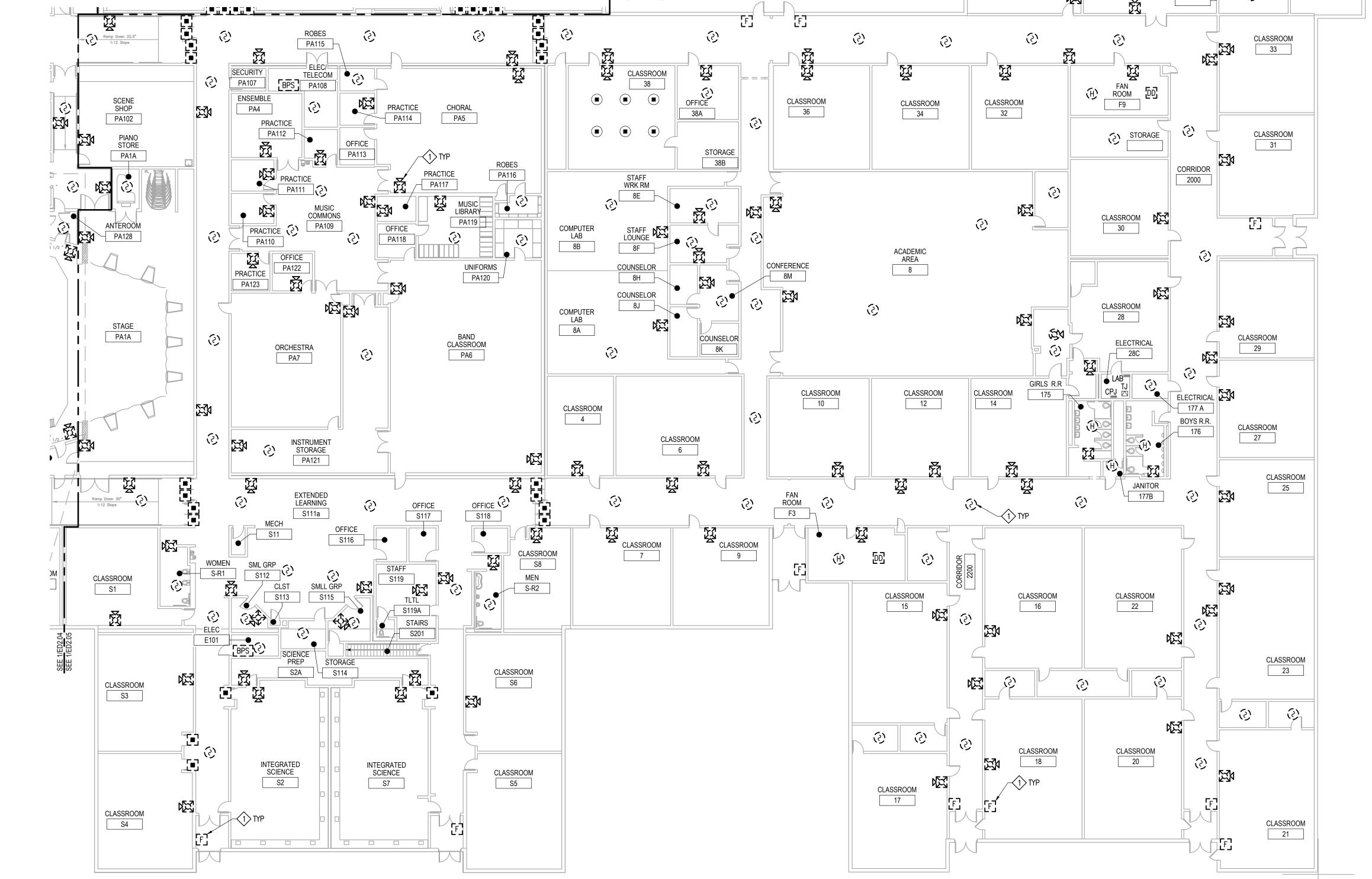


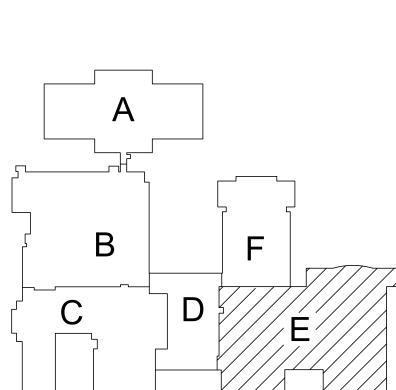
EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.

2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

#### **DEMOLITION NOTES (\*)**

DEMOLISH EXISTING FIRE ALARM DEVICE, BACK BOX AND ASSOCIATED CONDUCTORS BACK TO SOURCE PANEL.





**KEY PLAN** 

T: 907.562.6076 | F: 907.562.6635 BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA 4025 E Northern Lights ADD ALT 3 - FLOOR PLAN MAIN LEVEL AREA E - SPECIAL

SYSTEMS - DEMO ED2.05

BID DOCUMENTS

35B

**REVISIONS** 

#### NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

Anchorage School District

**REVISIONS** 

No Description Date

#### **GENERAL NOTES**

- 1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.
- 2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

#### **DEMOLITION NOTES (\*)**

DEMOLISH EXISTING FIRE ALARM DEVICE, BACK BOX AND ASSOCIATED CONDUCTORS BACK TO SOURCE PANEL.





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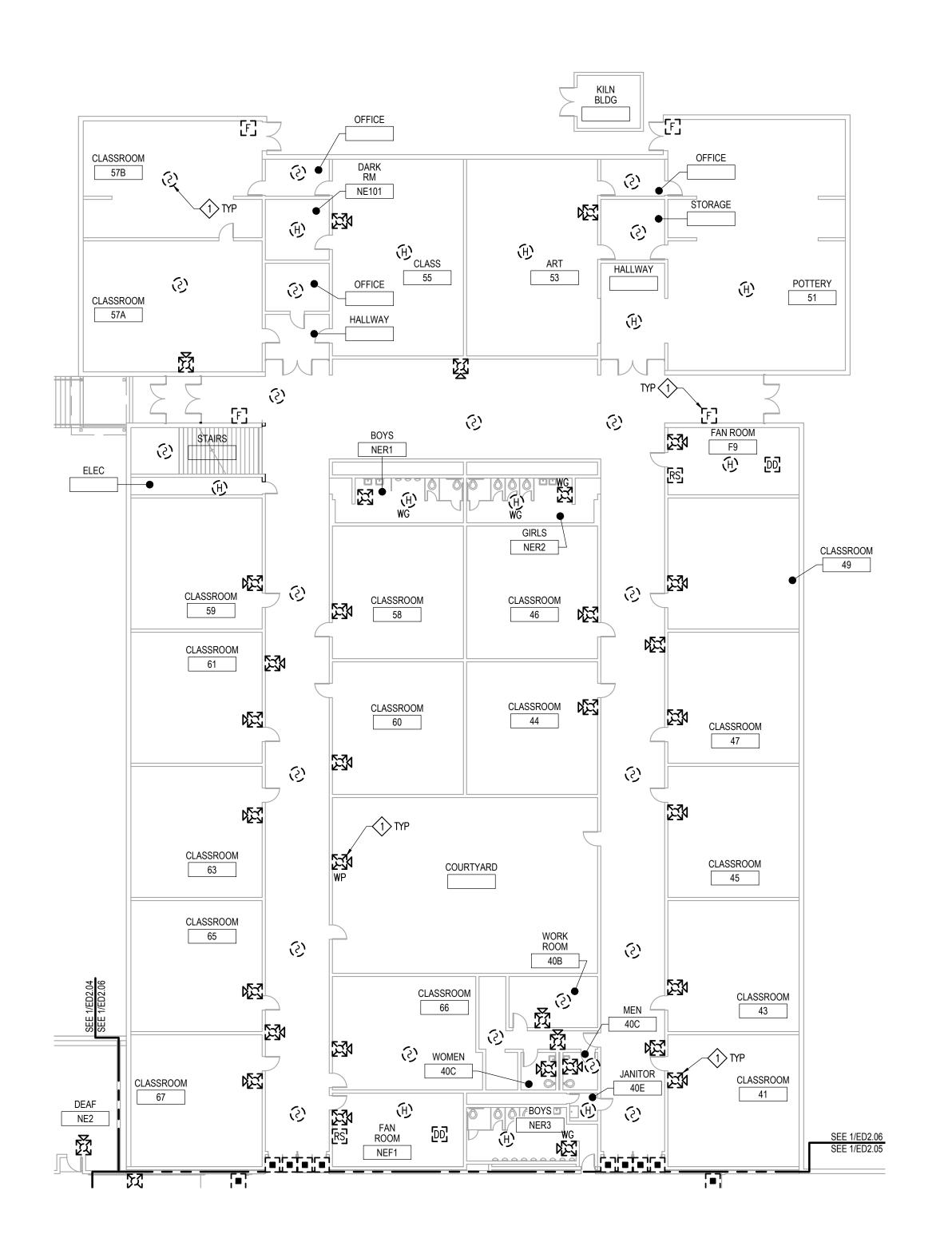
BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

BID DOCUMENTS NOVEMBER 7, 2023

ADD ALT 3 - FLOOR PLAN MAIN LEVEL AREA F - SPECIAL SYSTEMS - DEMO

ED2.06







NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

Anchorage School District

**REVISIONS** 

ENGINEERS

w w w . a m c - e n g i n e e r s . c o m Adams, Morgenthaler & Co., Inc.

CoA No. C0342 - 907.257.9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503

T: 907.562.6076 | F: 907.562.6635

BETTYE DAVIS EAST

SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

ADD ALT 3 - FLOOR PLAN LOWER LEVEL

BID DOCUMENTS

ANCHORAGE HIGH SCHOOL

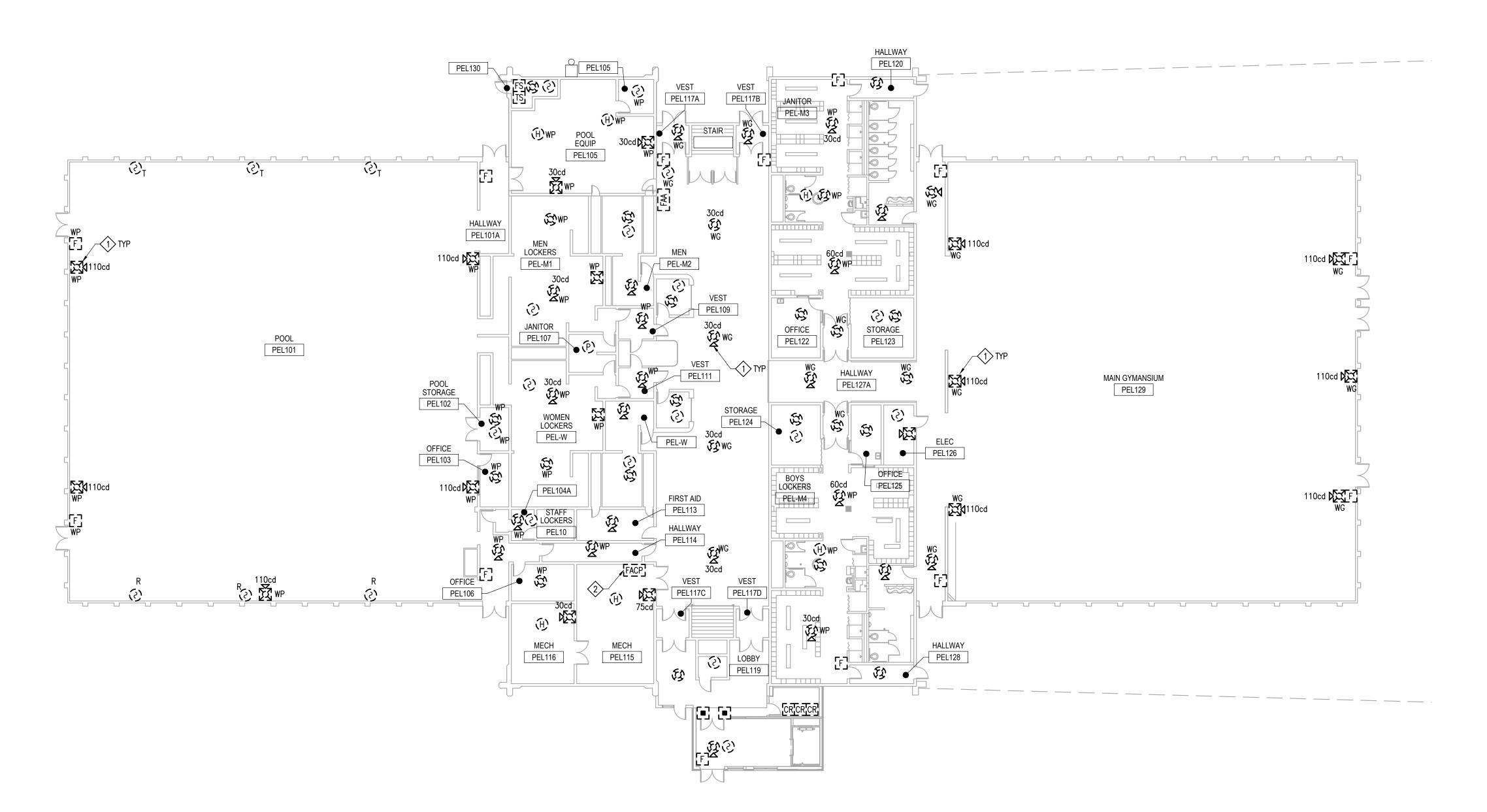
No Description Date

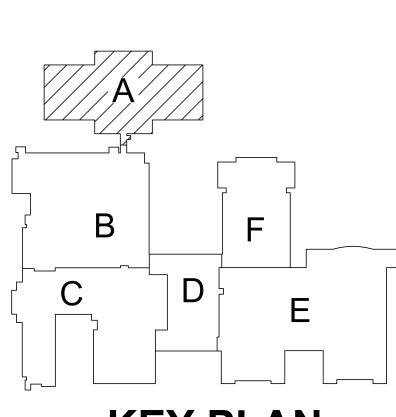
#### **GENERAL NOTES**

- 1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.
- 2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

#### **DEMOLITION NOTES (\*)**

- DEMOLISH EXISTING FIRE ALARM DEVICE, BACK BOX AND ASSOCIATED CONDUCTORS BACK TO SOURCE PANEL.
- REMOVE SIMPLEX 4100ES FACP AND TURN OVER TO ASD.





ADD ALT 3 - FLOOR PLAN LOWER LEVEL - AREA A - SPECIAL SYSTEMS - DEMO

AREA A - SPECIAL SYSTEMS - DEMO **KEY PLAN** ED2.07

#### NOTIFICATION OF POTENTIAL HAZARDS:

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Anchorage School District

**REVISIONS** 

No Description Date

## **DEMOLITION NOTES (4)**

DEMOLISH UNUSED CONDUIT.

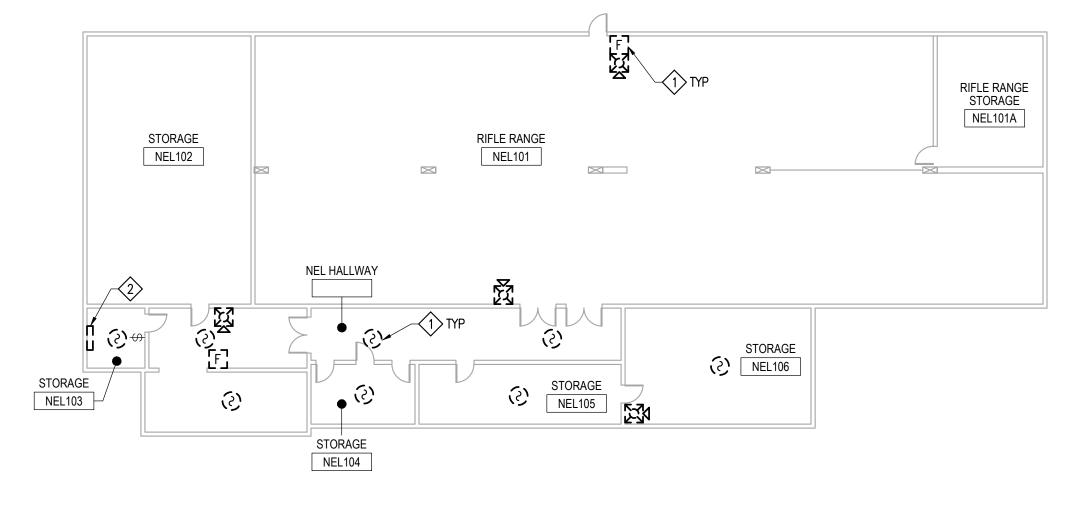
**GENERAL NOTES** 

DEMOLISH EXISTING FIRE ALARM DEVICE, BACK BOX AND ASSOCIATED CONDUCTORS BACK TO SOURCE PANEL.

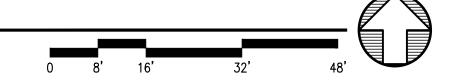
2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

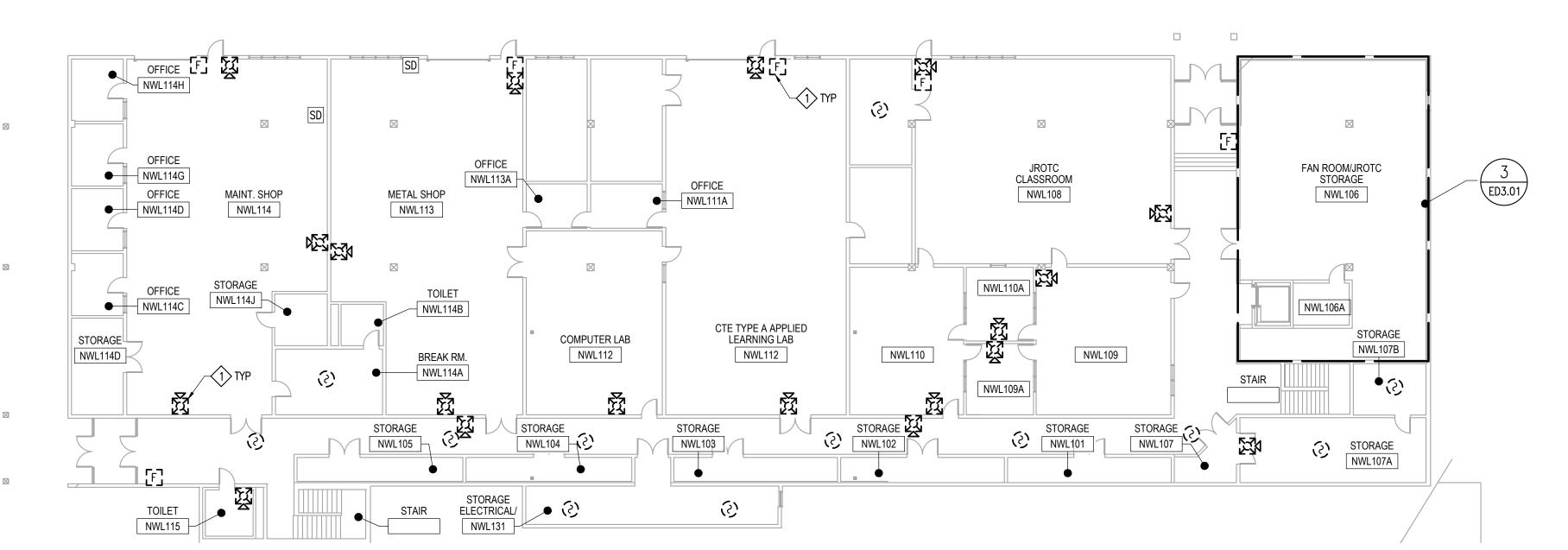
1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL.

BASE BID: DEMOLISH EXISTING LIGHT FIXTURE AND ASSOCIATED CONDUCTORS BACK TO LAST DEVICE TO REMAIN.



## ADD ALT 3 - FLOOR PLAN LOWER LEVEL - AREA F - ELECTRICAL - DEMO ED2.08 | SCALE: 1/16" = 1'-0"





**KEY PLAN** 

ADD ALT 3 - FLOOR PLAN LOWER LEVEL - AREA B - SPECIAL SYSTEMS - DEMO

ENGINEERS www.amc-engineers.com Adams, Morgenthaler & Co., Inc. CoA No C0342 - 907 257 9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503



T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

BID DOCUMENTS NOVEMBER 7, 2023 ADD ALT 3 - FLOOR PLAN LOWER LEVEL AREA B & F - SPECIAL SYSTEMS - DEMO

#### NOTIFICATION OF POTENTIAL HAZARDS:

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# Anchorage School District

**REVISIONS** 

No Description Date

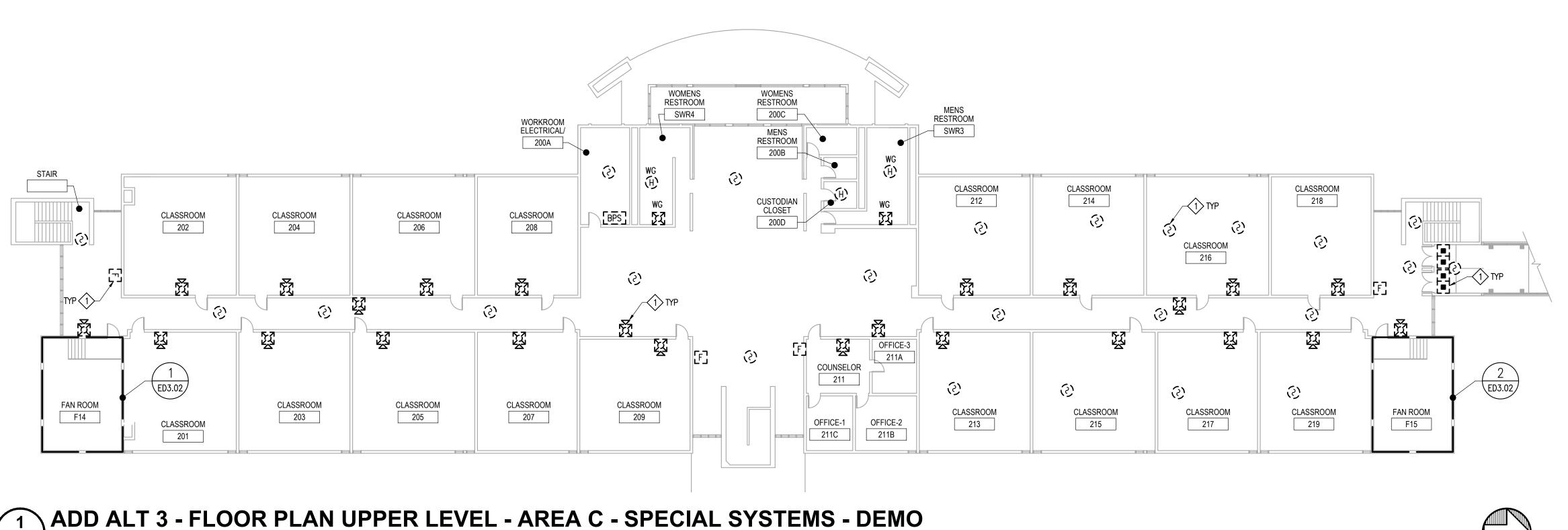
**GENERAL NOTES** 

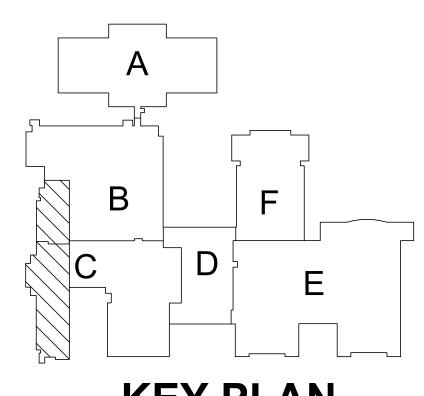
1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.

2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

#### **DEMOLITION NOTES (4)**

DEMOLISH EXISTING FIRE ALARM DEVICE, BACK BOX AND ASSOCIATED CONDUCTORS BACK TO SOURCE PANEL.





**KEY PLAN** 

 4025 E Northern Lights

 BDS Project No.:
 418001.002

 ASD Project No.:
 19C0002

 BID DOCUMENTS NOVEMBER 7, 2023

T: 907.562.6076 | F: 907.562.6635

BETTYE DAVIS EAST

SAFETY UPGRADES

ACADEMIC AREA

ANCHORAGE HIGH SCHOOL

W: www.bdsak.com

ENGINEERS www.amc-engineers.com Adams, Morgenthaler & Co., Inc CoA No C0342 - 907 257 9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503

ADD ALT 3 - FLOOR PLAN UPPER LEVEL AREA C - SPECIAL SYSTEMS - DEMO

NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

# Anchorage School District

No Description Date

**REVISIONS** 

**DEMOLITION NOTES (4)** 

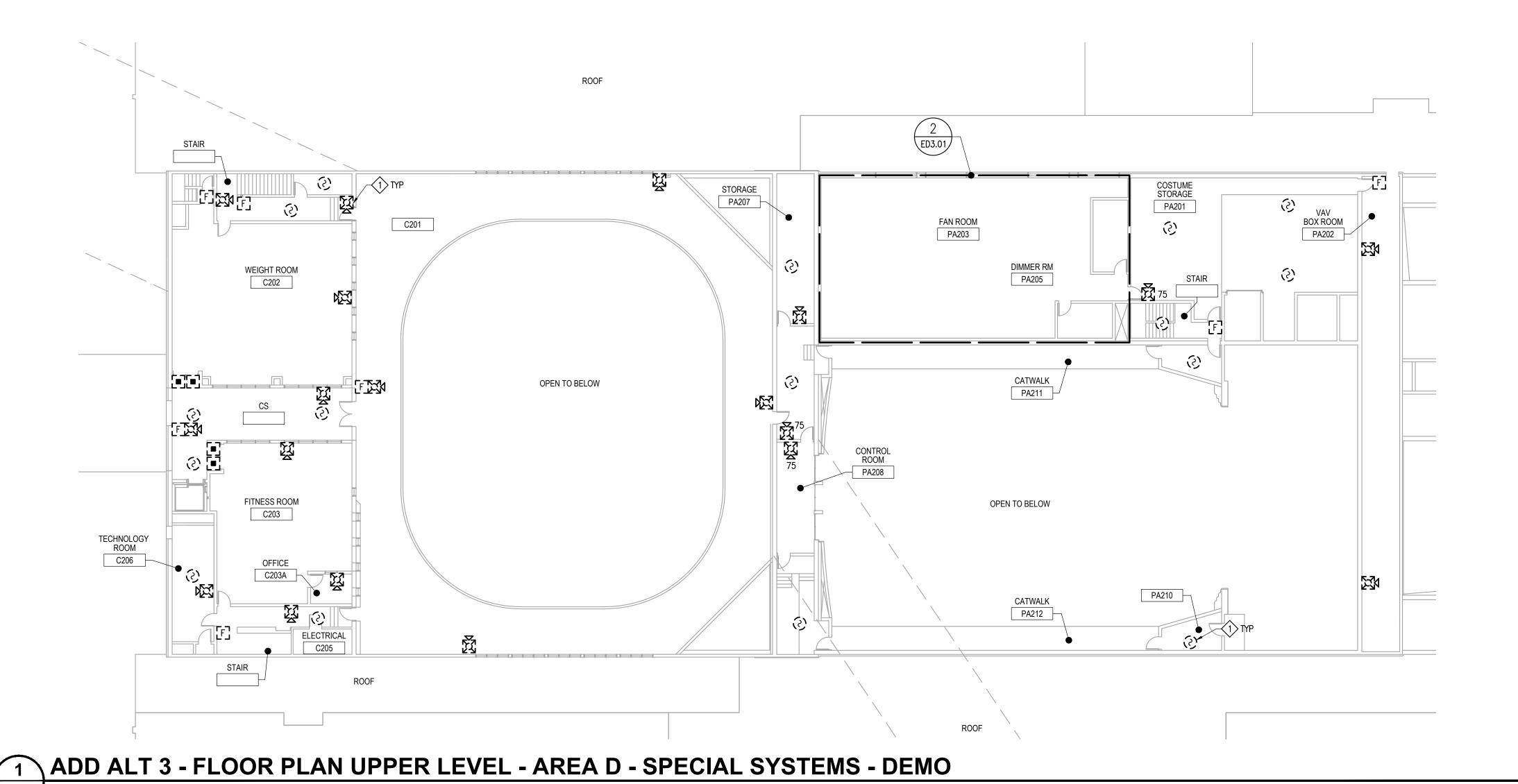
**GENERAL NOTES** 

DEMOLISH UNUSED CONDUIT.

DEMOLISH EXISTING FIRE ALARM DEVICE, BACK BOX AND ASSOCIATED CONDUCTORS BACK TO SOURCE PANEL.

2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL.



**KEY PLAN** 

4025 E Northern Lights BID DOCUMENTS NOVEMBER 7, 2023

ANCHORAGE HIGH SCHOOL

T: 907.562.6076 | F: 907.562.6635

BETTYE DAVIS EAST

SAFETY UPGRADES

ACADEMIC AREA

W: www.bdsak.com

ENGINEERS

www.amc-engineers.com Adams, Morgenthaler & Co., Inc.

CoA No. C0342 - 907.257.9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503

ADD ALT 3 - FLOOR PLAN UPPER LEVEL AREA D - SPECIAL SYSTEMS - DEMO

NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

Anchorage School District

**REVISIONS** 

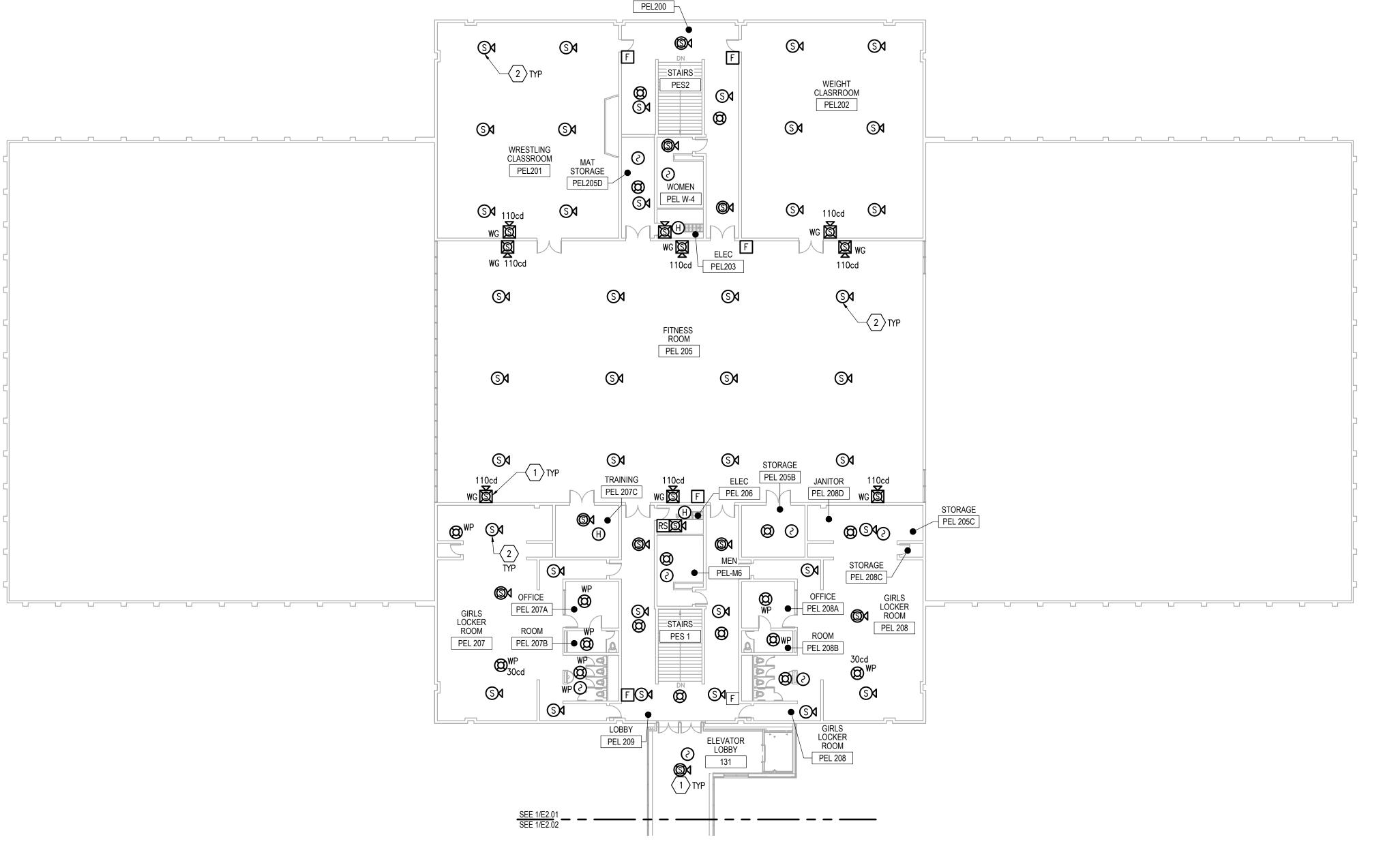
No Description Date

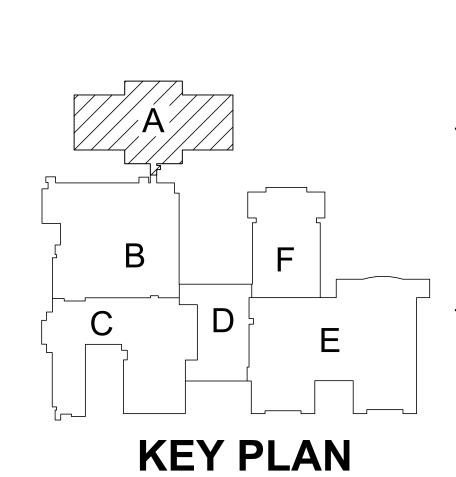
#### **GENERAL NOTES**

- 1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.
- 2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

## SHEET NOTES (#)

- 1 PROVIDE NOTIFICATION DEVICE AT LOCATION INDICATED.
- PROVIDE CEILING MOUNTED FIRE ALARM SPEAKER AT APPROXIMATE LOCATION INDICATED. FIELD COORDINATE EXACT LOCATION WITH EXISTING CEILING MOUNTED DEVICES.





BID DOCUMENTS NOVEMBER 7, 2023

4025 E Northern Lights

BDS Project No.: 418001.002

ASD Project No.: 19C0002

T: 907.562.6076 | F: 907.562.6635

BETTYE DAVIS EAST

SAFETY UPGRADES ACADEMIC AREA

ANCHORAGE HIGH SCHOOL

ENGINEERS

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CoA No C0342 - 907 257 9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503

ADD ALT 3 - FLOOR PLAN MAIN LEVEL AREA A - SPECIAL SYSTEMS

E2.01

ADD ALT 3 - FLOOR PLAN MAIN LEVEL - AREA A - SPECIAL SYSTEMS

#### NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

Anchorage **School District** 

**REVISIONS** 

No Description Date

## **GENERAL NOTES**

- 1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.
- 2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

## SHEET NOTES (#)

- 1 PROVIDE FIRE ALARM DEVICE AT LOCATION INDICATED.
- PROVIDE CEILING MOUNTED FIRE ALARM SPEAKER AT APPROXIMATE LOCATION INDICATED. FIELD COORDINATE EXACT LOCATION WITH EXISTING CEILING MOUNTED PROVIDE CEILING MOUNTED FIRE ALARM SPEAKER AT APPROXIMATE LOCATION DEVICES.
- PROVIDE SMOKE DETECTOR WITH IN FIVE FEET OF FIRE/SMOKE DOORS FOR RELEASE OF DOORS.
- LOCATION OF EXISTING CLASSROOM A/V RACK. PROVIDE INTERCONNECTION WITH FIRE ALARM SIGNAL TO INTERRUPT LOCAL AUDIO SIGNAL WHEN FIRE ALARM SYSTEM IS IN ALARM STATE.







T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

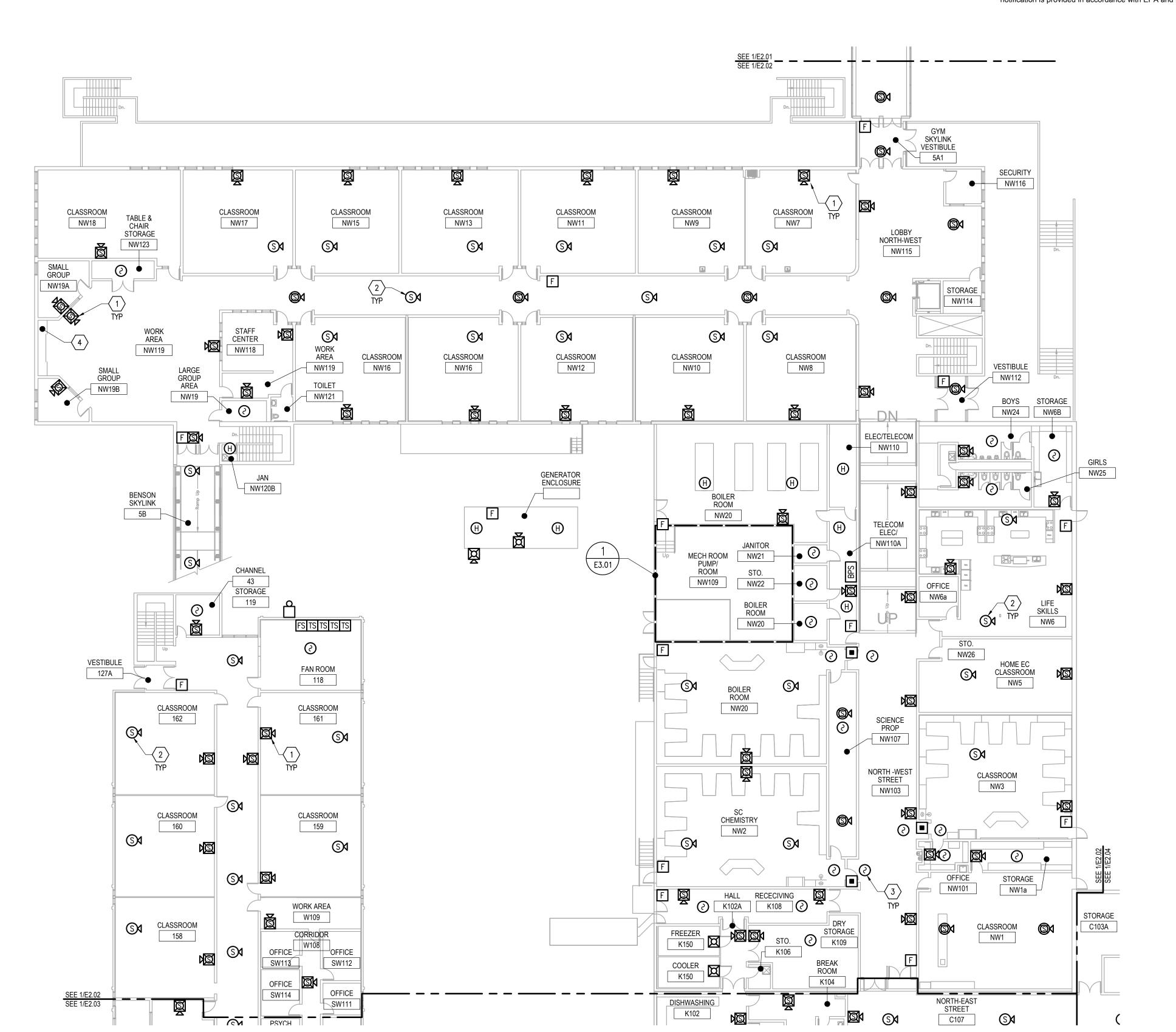
BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

BID DOCUMENTS NOVEMBER 7, 2023

ADD ALT 3 - FLOOR PLAN MAIN LEVEL AREA B - SPECIAL SYSTEMS

E2.02



ADD ALT 3 - FLOOR PLAN MAIN LEVEL - AREA B - SPECIAL SYSTEMS

#### NOTIFICATION OF POTENTIAL HAZARDS:

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Anchorage **School District** 

**REVISIONS** 

No Description Date

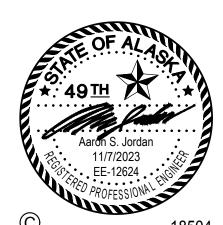
#### **GENERAL NOTES**

- 1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.
- 2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

#### SHEET NOTES (#)

- PROVIDE FIRE ALARM DEVICE AT LOCATION INDICATED.
- PROVIDE CEILING MOUNTED FIRE ALARM SPEAKER AT AFFIOATION LOGATION WITH EXISTING CEILING MOUNTED
- PROVIDE SMOKE DETECTOR WITH IN FIVE FEET OF FIRE/SMOKE DOORS FOR RELEASE OF DOORS.
- PROVIDE CONNECTIONS DETWELLS FOR ALARM AND TROUBLE NOTIFICATION. PROVIDE CONNECTIONS BETWEEN FACP AND KITCHEN HOOD SUPPRESSION SYSTEM







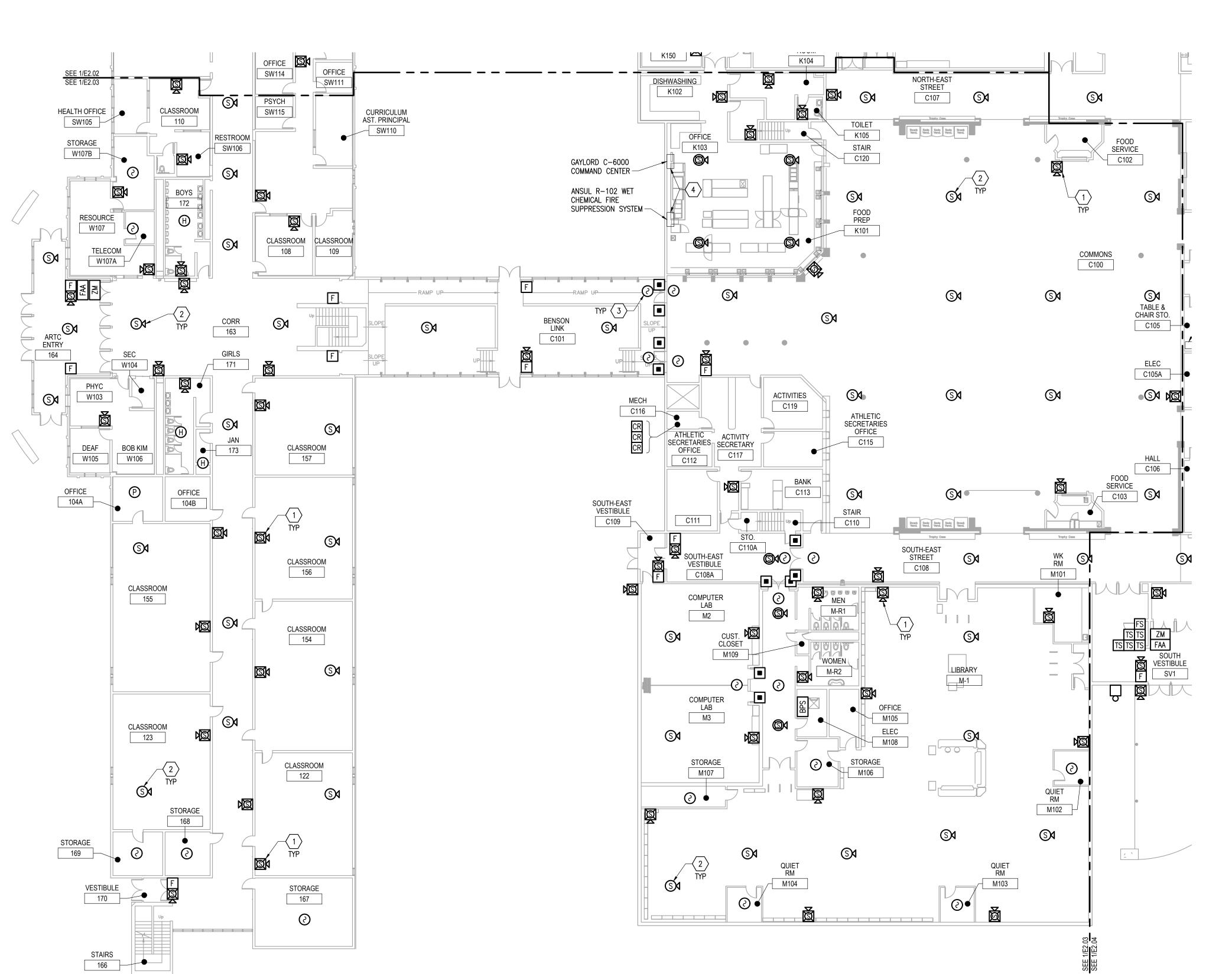
BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

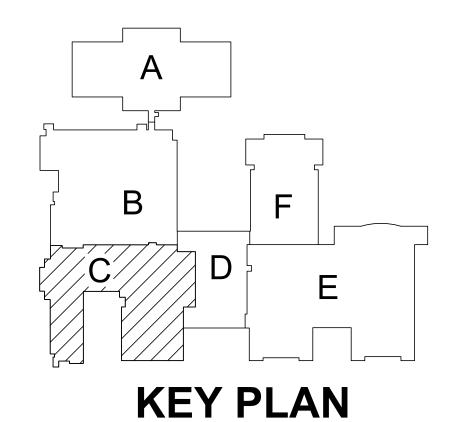
4025 E Northern Lights

BID DOCUMENTS NOVEMBER 7, 2023

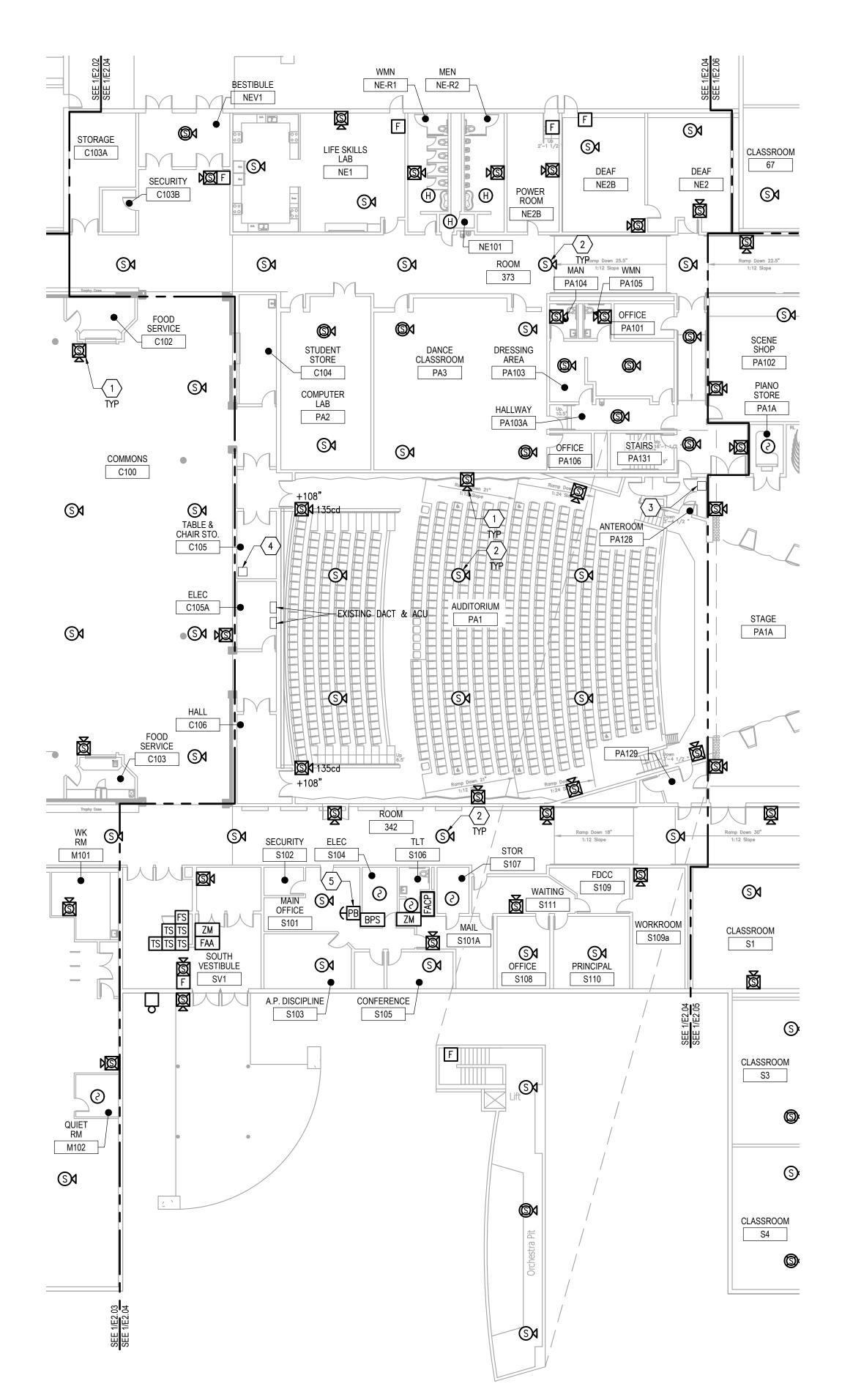
ADD ALT 3 - FLOOR PLAN MAIN LEVEL AREA C - SPECIAL SYSTEMS

E2.03





ADD ALT 3 - FLOOR PLAN MAIN LEVEL - AREA C - SPECIAL SYSTEMS



Portions of this building are classified as a child occupied facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

#### NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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**

- 1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.
- 2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

## SHEET NOTES (#)

- (1) PROVIDE FIRE ALARM DEVICE AT LOCATION INDICATED.
- PROVIDE CEILING MOUNTED FIRE ALARM SFEARLY OF CHILD COUNTED INDICATED. FIELD COORDINATE EXACT LOCATION WITH EXISTING CEILING MOUNTED PROVIDE CEILING MOUNTED FIRE ALARM SPEAKER AT APPROXIMATE LOCATION
- LOCATION OF EXISTING AUDITORIUM AUDIO AMPLIFIER RACK. PROVIDE FIRE ALARM AUDIO SIGNAL TO AMPLIFIERS. PROVIDE UPS AND CONNECT TO EXISTING THREE AMPLIFIERS. PROVIDE CALCULATIONS INDICATING BATTERY CAPACITY FOR 24 HOURS OF QUIESCENT LOAD PLUS 4 HOURS OF ALARM LOAD, LOAD SHALL CONSIST OF ALL EXISTING AMPLIFIERS. ASSUME 5000W OF ALARM LOAD AND 500W OF QUIESCENT LOAD FOR BIDDING PURPOSES, FIELD VERIFY EXACT REQUIREMENTS. ALTERNATIVE SOLUTIONS WILL BE CONSIDERED, SUBMIT FOR APPROVAL. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING FUNCTIONALITY AND PROVIDING ALL CABLING, CONNECTIONS, COMPONENTS AND TERMINATIONS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
- LOCATION OF EXISTING COMMONS AUDIO AMPLIFIER RACK. PROVIDE FIRE ALARM AUDIO SIGNAL TO AMPLIFIERS. PROVIDE UPS AND CONNECT TO EXISTING RACK EQUIPMENT. PROVIDE CALCULATIONS INDICATING BATTERY CAPACITY FOR 24 HOURS OF QUIESCENT LOAD PLUS 4 HOURS OF ALARM LOAD. LOAD SHALL CONSIST OF ALL EXISTING AMPLIFIERS. ASSUME 2000W OF ALARM LOAD AND 250W OF QUIESCENT LOAD FOR BIDDING PURPOSES, FIELD VERIFY EXACT REQUIREMENTS. RECONFIGURE CIRCUIT AND RECEPTACLE AS REQUIRED. CONNECT NEW CIRCUIT TO PANEL CYA LOCATED IN ADJACENT ELECTRICAL ROOM C105A. ALTERNATIVE SOLUTIONS WILL BE CONSIDERED, SUBMIT FOR APPROVAL. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING FUNCTIONALITY AND PROVIDING ALL CABLING, CONNECTIONS, COMPONENTS AND TERMINATIONS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
- PROVIDE MAINTAINED CONTACT RED MUSHROOM PUSHBUTTON TO RELEASE MAGNETIC DOOR HOLDS UPON ACTIVATION. PROVIDE MEGA STOPPERS MODEL 7500H COVER AND LABEL PUSHBUTTON "DOOR HOLDER EMERGENCY SHUT". REFER TO FIRE-ALARM ONE-LINE ON SHEET E4.01 FOR ADDITIONAL INFORMATION.



Anchorage **School District** 

**REVISIONS** 

No Description Date

**KEY PLAN** 

Adams, Morgenthaler & Co., Inc CoA No. C0342 - 907.257.9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503

ENGINEERS

www.amc-engineers.com

T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

BID DOCUMENTS

ADD ALT 3 - FLOOR PLAN MAIN LEVEL AREA D - SPECIAL SYSTEMS

E2.04

ADD ALT 3 - FLOOR PLAN MAIN LEVEL - AREA D - SPECIAL SYSTEMS

Portions of this building are classified as a child occupied facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

#### NOTIFICATION OF POTENTIAL HAZARDS:

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School District

**REVISIONS** 

No Description Date

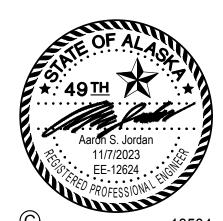
#### **GENERAL NOTES**

- 1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.
- 2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

#### SHEET NOTES (#)

- 1 PROVIDE FIRE ALARM DEVICE AT APPROXIMATE LOCATION INDICATED.
- PROVIDE CEILING MOUNTED FIRE ALARM SPEAKER AT APPROXIMATE LOCATION INDICATED. FIELD COORDINATE EXACT LOCATION WITH EXISTING CEILING MOUNTED DEVICES.
- PROVIDE SMOKE DETECTOR WITH IN FIVE FEET OF FIRE/SMOKE DOORS FOR RELEASE OF DOORS.
- LOCATION OF EXISTING CLASSROOM A/V RACK. PROVIDE INTERCONNECTION WITH FIRE ALARM SIGNAL TO INTERRUPT LOCAL AUDIO SIGNAL WHEN FIRE ALARM SYSTEM IS IN ALARM STATE.





© 185

ARCHITECTURE | PLANNING | ROOF TECHNO 3330 C St, Suite 200, Anchorage, Ak 99 T: 907.562.6076 | F: 907.562.6635

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights
BDS Project No.: 418001.00

No.: 19C0002

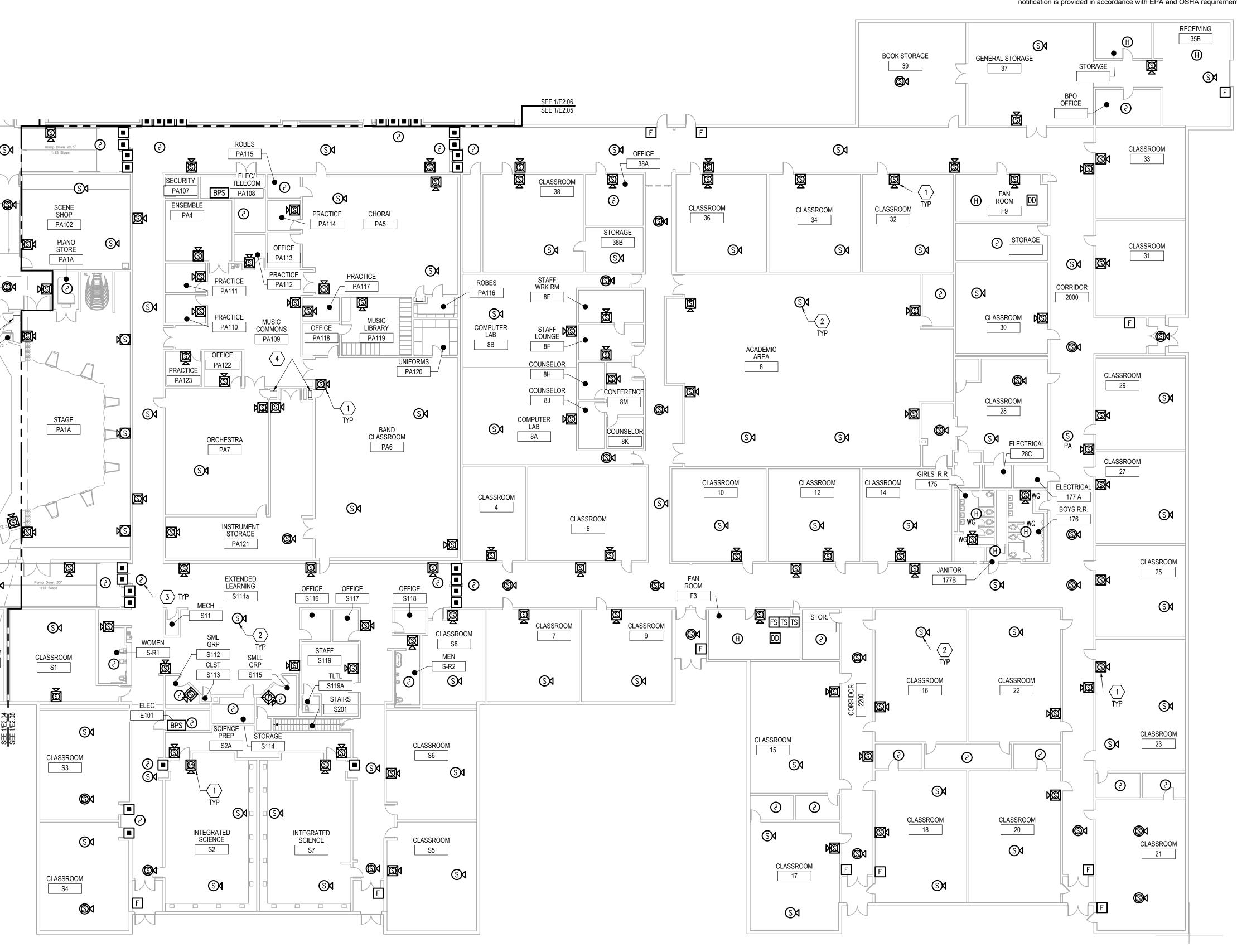
BID DOCUMENTS

NOVEMBER 7, 2023

NOVEMBER 7, 2023
ADD ALT 3 - FLOOR
PLAN MAIN LEVEL AREA E - POWER &
SPECIAL SYSTEMS

E2.05

**KEY PLAN** 



ADD ALT 3 - FLOOR PLAN MAIN LEVEL - AREA E - POWER & SPECIAL SYSTEMS

#### NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

Anchorage **School District** 

**REVISIONS** 

No Description Date

#### **GENERAL NOTES**

- 1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.
- 2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

## SHEET NOTES (#)

- (1) PROVIDE FIRE ALARM DEVICE AT APPROXIMATE LOCATION INDICATED.
- PROVIDE CEILING MOUNTED FIRE ALARM SPEAKER AT APPROXIMATE LOCATION INDICATED. FIELD COORDINATE EXACT LOCATION WITH EXISTING CEILING MOUNTED
- PROVIDE SMOKE DETECTOR WITH IN FIVE FEET OF FIRE/SMOKE DOORS FOR RELEASE OF DOORS.





T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

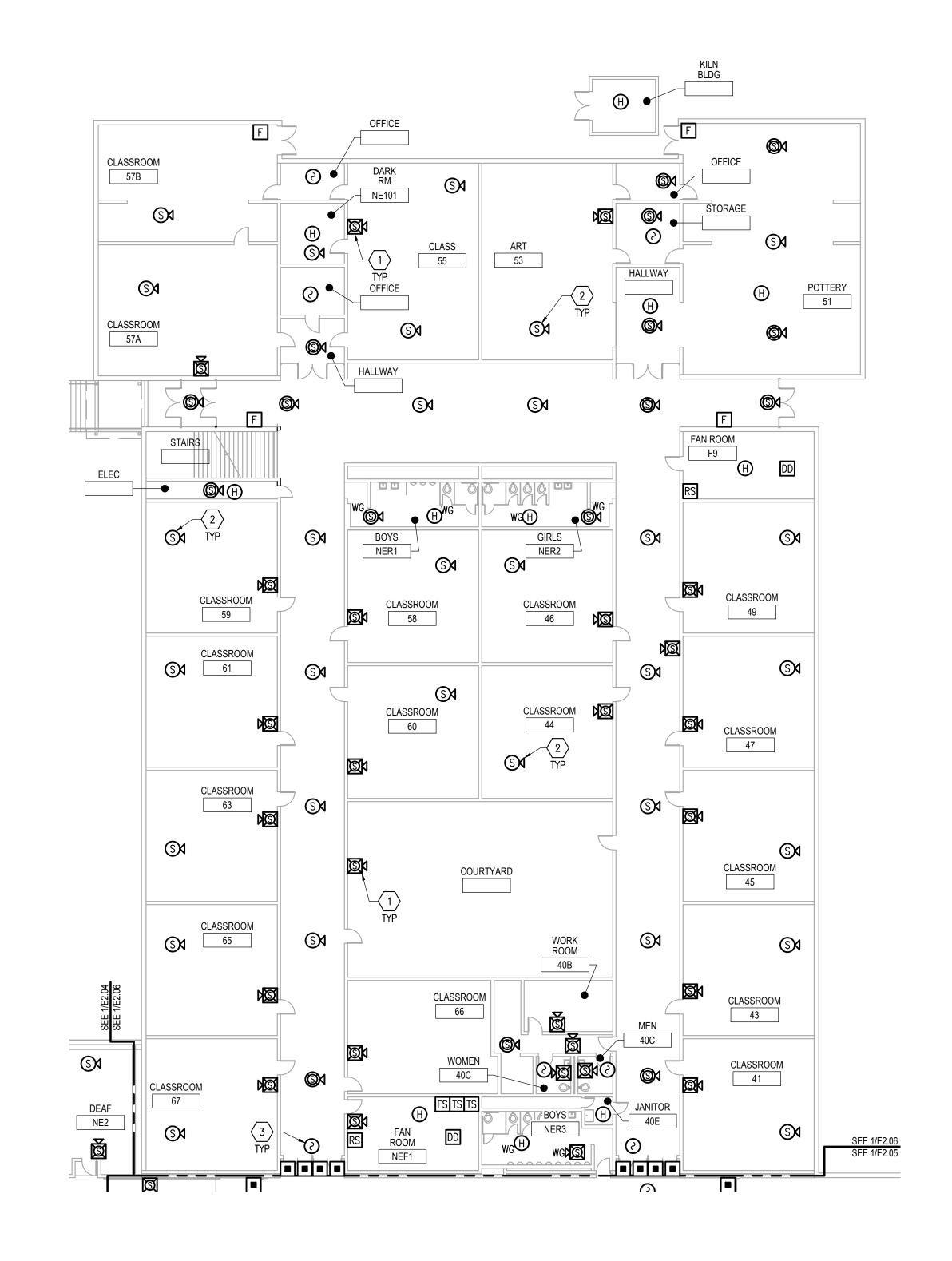
BDS Project No.: 418001.002

ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023 ADD ALT 3 - FLOOR

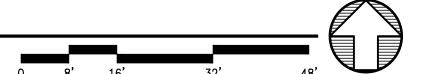
PLAN MAIN LEVEL -AREA F - POWER & SPECIAL SYSTEMS

E2.06









NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

Anchorage School District

**REVISIONS** 

No Description Date

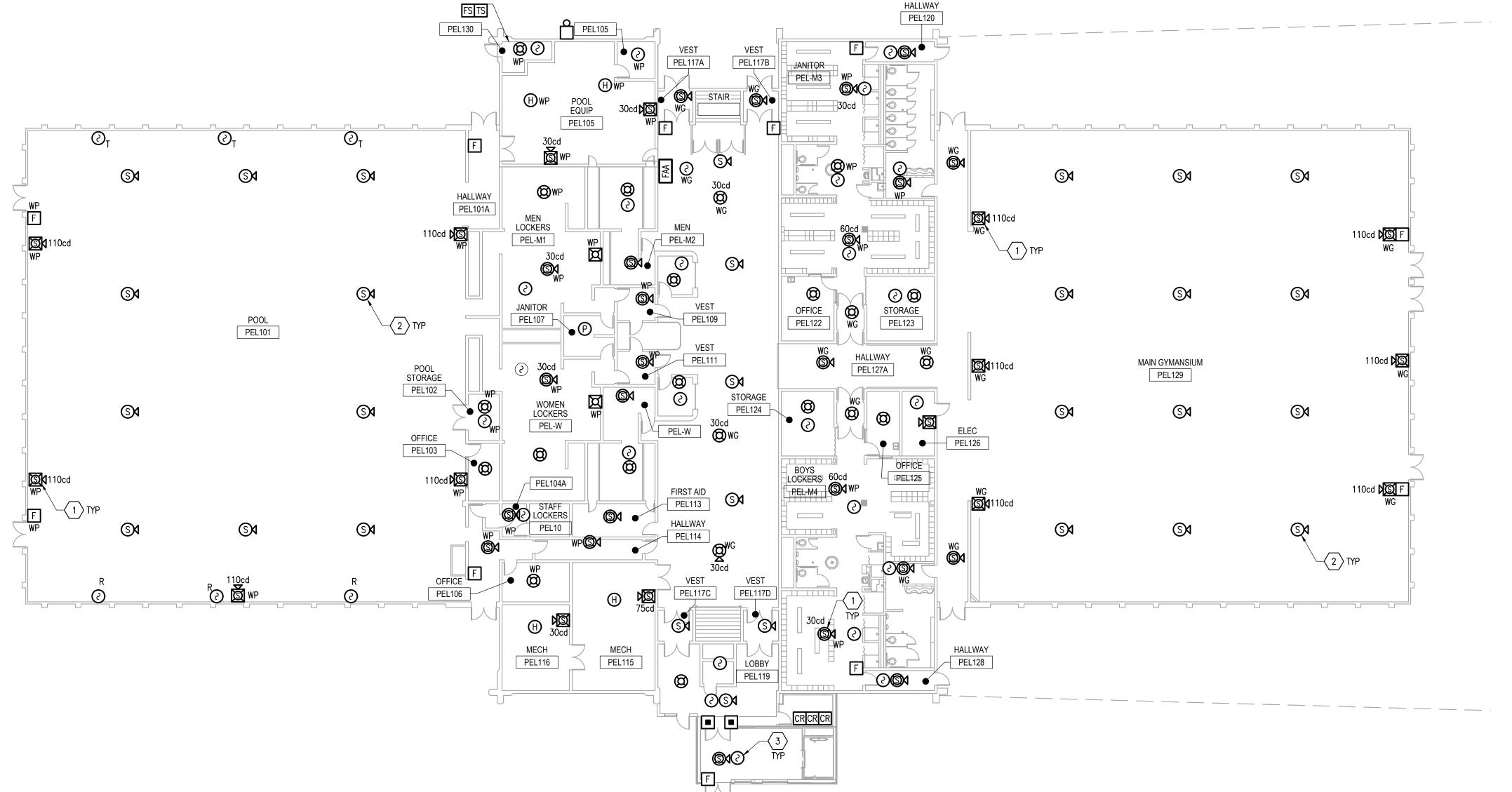
#### 1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.

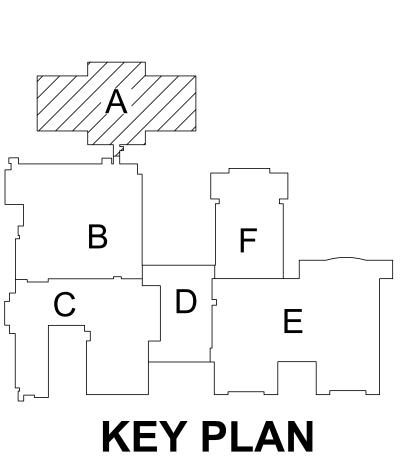
**GENERAL NOTES** 

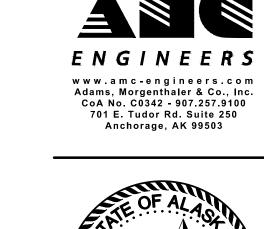
- SHEET NOTES (#) 1 PROVIDE FIRE ALARM DEVICE AT LOCATION INDICATED.
- PROVIDE CEILING MOUNTED FIRE ALARM SPEAKER AT APPROXIMATE LOCATION INDICATED. FIELD COORDINATE EXACT LOCATION WITH EXISTING CEILING MOUNTED

2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

PROVIDE SMOKE DETECTOR WITHIN FIVE FEET OF FIRE/SMOKE DOORS FOR RELEASE OF DOORS.









T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

BID DOCUMENTS NOVEMBER 7, 2023

ADD ALT 3 - FLOOR PLAN LOWER LEVEL AREA A - SPECIAL SYSTEMS

Portions of this building are classified as a child occupied facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

#### NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

Anchorage **School District** 

**REVISIONS** 

No Description Date

#### **GENERAL NOTES** 1. EXISTING FIRE ALARM CONDUIT MAY BE USED TO THE EXTENT PRACTICAL. DEMOLISH

UNUSED CONDUIT.

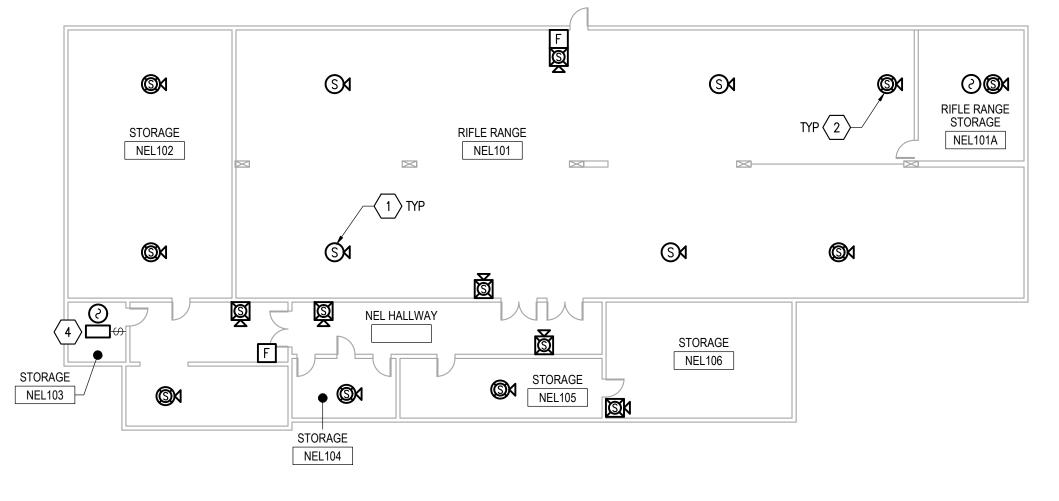
SHEET NOTES (#)

1 PROVIDE FIRE ALARM DEVICE AT LOCATION INDICATED.

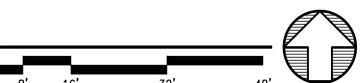
PROVIDE CEILING MOUNTED FIRE ALARM SPEAKER AT APPROXIMATE LOCATION INDICATED. FIELD COORDINATE EXACT LOCATION WITH EXISTING CEILING MOUNTED

2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

- PROVIDE CONNECTION BETWEEN FACP AND DUST COLLECTOR SPARK DETECTION SYSTEM FOR ALARM AND TROUBLE NOTIFICATION.
- BASE BID: PROVIDE TYPE D LIGHTING FIXTURE AT LOCATION INDICATED. CONNECT TO EXISTING ADJACENT HALLWAY LIGHTING CIRCUIT TO EXISTING ADJACENT HALLWAY LIGHTING CIRCUIT.



## ADD ALT 3 - FLOOR PLAN LOWER LEVEL - AREA F - ELECTRICAL E2.08 | SCALE: 1/16" = 1'-0"









T: 907.562.6076 | F: 907.562.6635

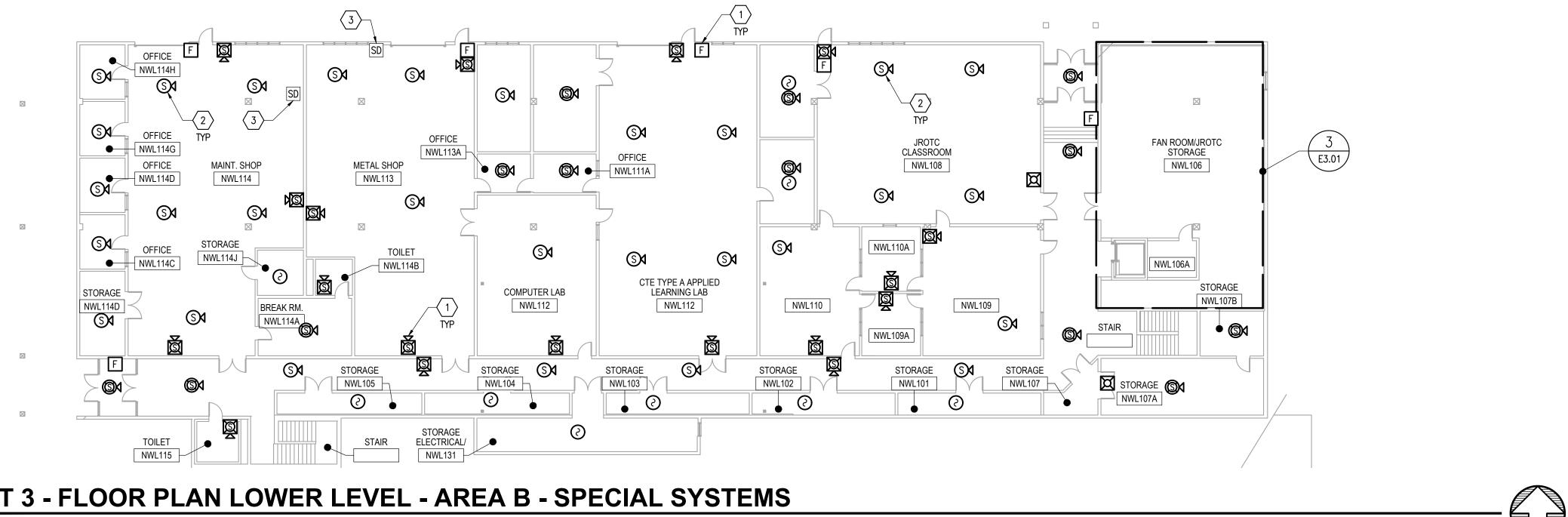
W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: ASD Project No.:

BID DOCUMENTS NOVEMBER 7, 2023 ADD ALT 3 - FLOOR

PLAN LOWER LEVEL AREAB&F-SPECIAL SYSTEMS



NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

## Anchorage

**School District** 

**REVISIONS** 

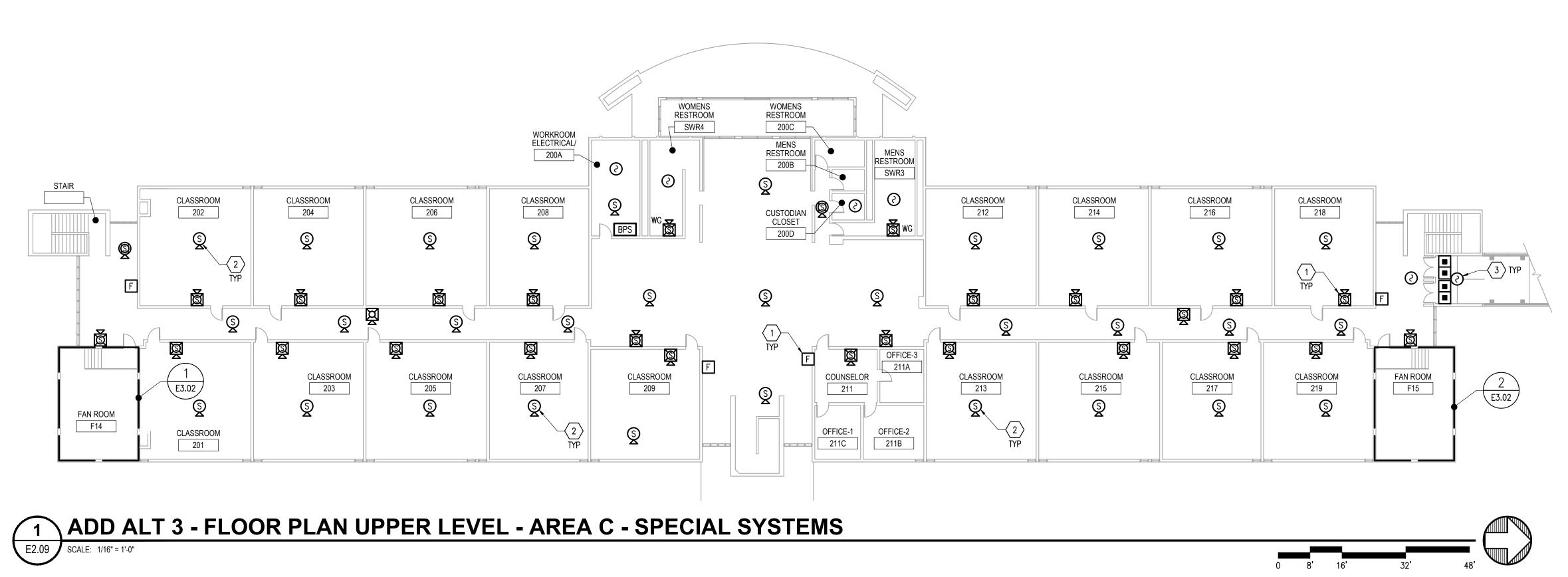
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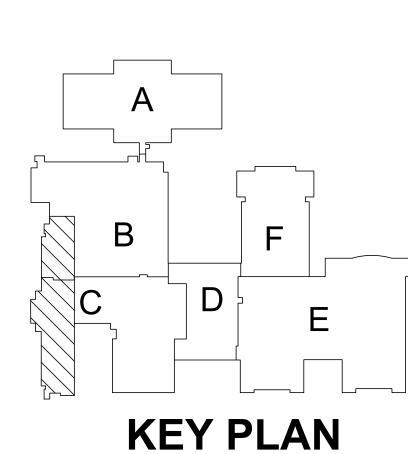
#### **GENERAL NOTES**

- 1. EXISTING FIRE ALARM CONDUIT MAY BE USED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.
- 2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

### SHEET NOTES (#)

- 1 PROVIDE FIRE ALARM DEVICE AT LOCATION INDICATED.
- PROVIDE CEILING MOUNTED FIRE ALARM SPEAKER AT APPROXIMATE LOCATION INDICATED. FIELD COORDINATE EXACT LOCATION WITH EXISTING CEILING MOUNTED
- PROVIDE SMOKE DETECTORS WITHIN FIVE FEET OF FIRE/SMOKE DOORS FOR RELEASE OF DOORS.







ENGINEERS

T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights
BDS Project No.: 418001.002 BDS Project No.: ASD Project No.:

BID DOCUMENTS

NOVEMBER 7, 2023 ADD ALT 3 - FLOOR PLAN UPPER LEVEL AREA C - SPECIAL SYSTEMS

#### NOTIFICATION OF POTENTIAL HAZARDS:

Asbestos, lead, and other hazardous materials are present in the building and 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 systems throughout the building. All trades shall coordinate with other trades and conduct their work to prevent worker exposure or site contamination. Refer to Specification Divisions 0, 1, and 2 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.

Anchorage School District

**REVISIONS** 

ENGINEERS

w w w . a m c - e n g i n e e r s . c o m Adams, Morgenthaler & Co., Inc.

CoA No C0342 - 907 257 9100 701 E. Tudor Rd. Suite 250

Anchorage, AK 99503

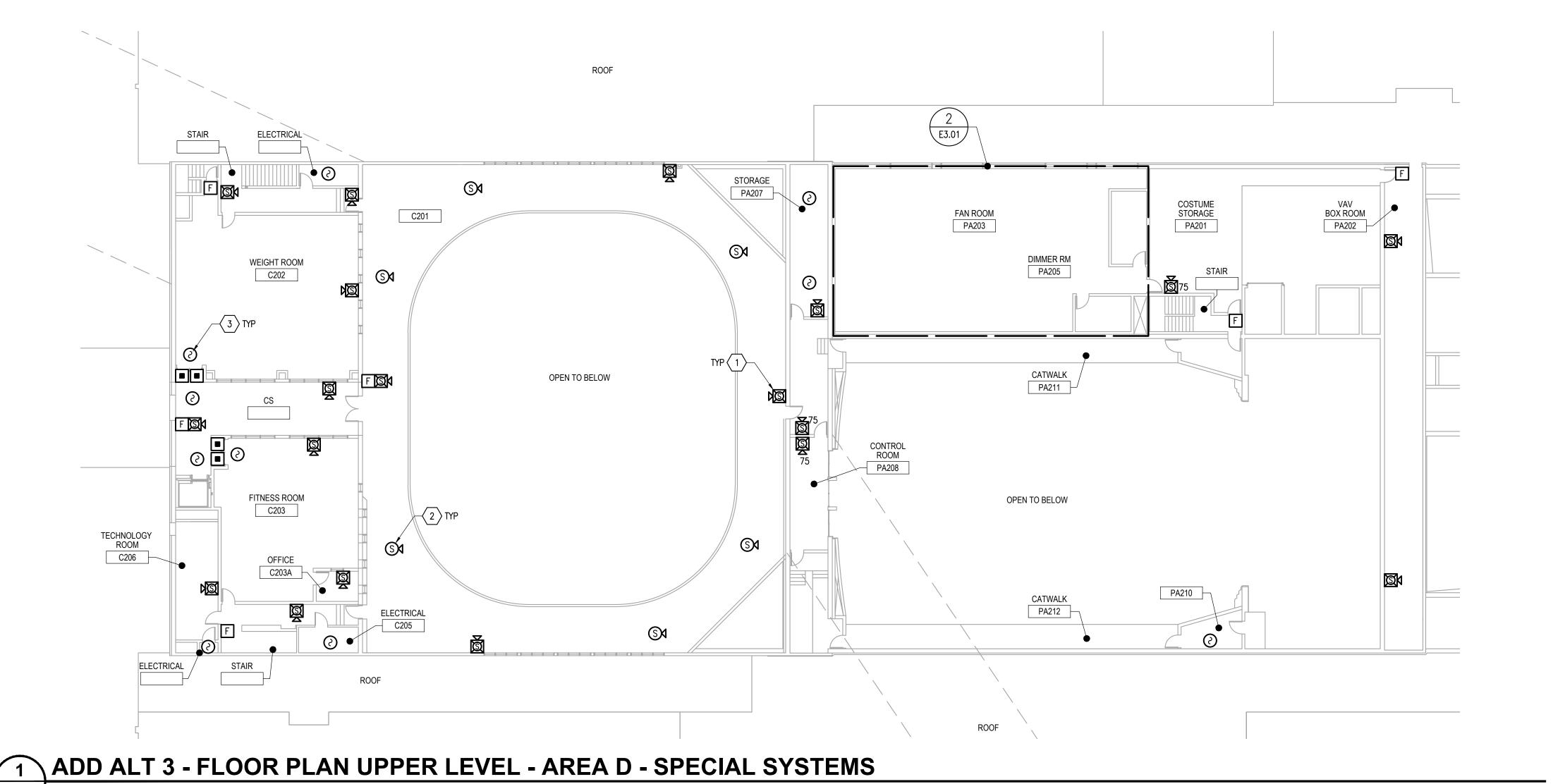
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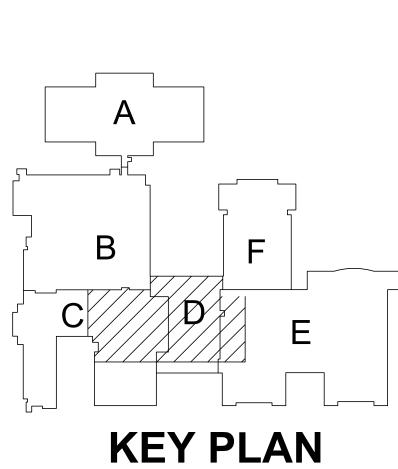
#### **GENERAL NOTES**

- 1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.
- 2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

### SHEET NOTES (#)

- 1 PROVIDE FIRE ALARM DEVICE AT LOCATION INDICATED.
- PROVIDE CEILING MOUNTED FIRE ALARM SPEAKER AT APPROXIMATE LOCATION INDICATED. FIELD COORDINATE EXACT LOCATION WITH EXISTING CEILING MOUNTED
- PROVIDE SMOKE DETECTORS WITHIN FIVE FEET OF FIRE/SMOKE DOORS FOR RELEASE OF DOORS.





PLAN UPPER LEVEL AREA D - SPECIAL SYSTEMS

E2.10

T: 907.562.6076 | F: 907.562.6635

BETTYE DAVIS EAST

SAFETY UPGRADES ACADEMIC AREA

ANCHORAGE HIGH SCHOOL

4025 E Northern Lights

BDS Project No.: 418001.002

ASD Project No.: 19C0002

ADD ALT 3 - FLOOR

BID DOCUMENTS NOVEMBER 7, 2023

W: www.bdsak.com

Portions of this building are classified as a child occupied facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

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## **GENERAL NOTES**

- 1. EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.
- 2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

#### **DEMOLITION NOTES (\*)**

DEMOLISH EXISTING FIRE ALARM DEVICE, BACK BOX AND ASSOCIATED CONDUCTORS BACK TO SOURCE PANEL.

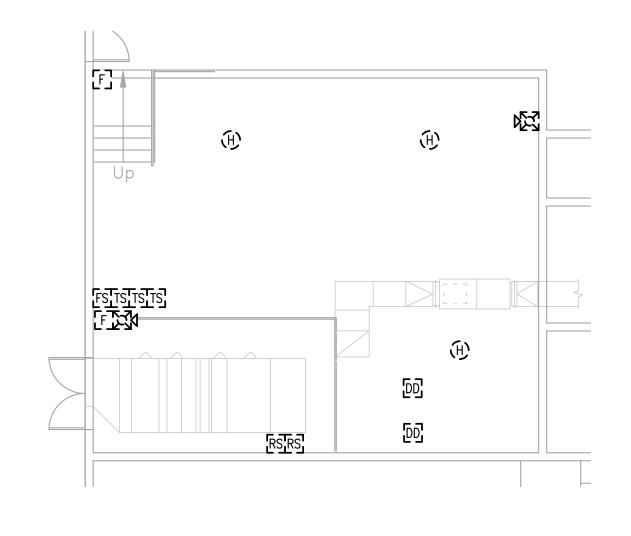


**REVISIONS** 

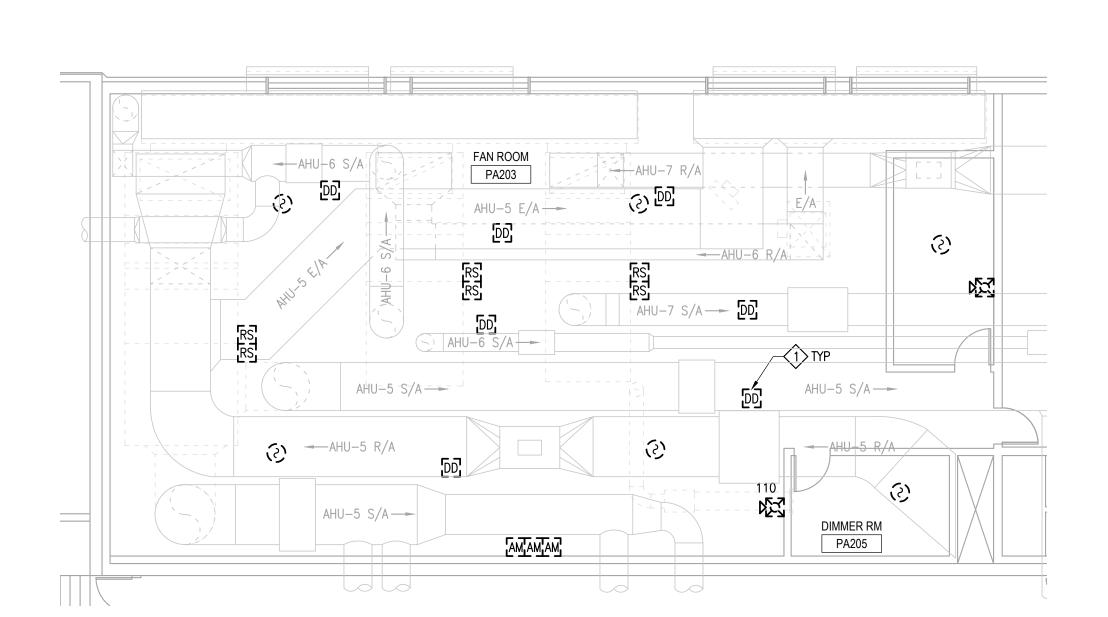
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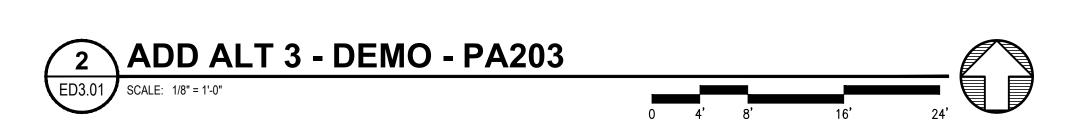
ENGINEERS

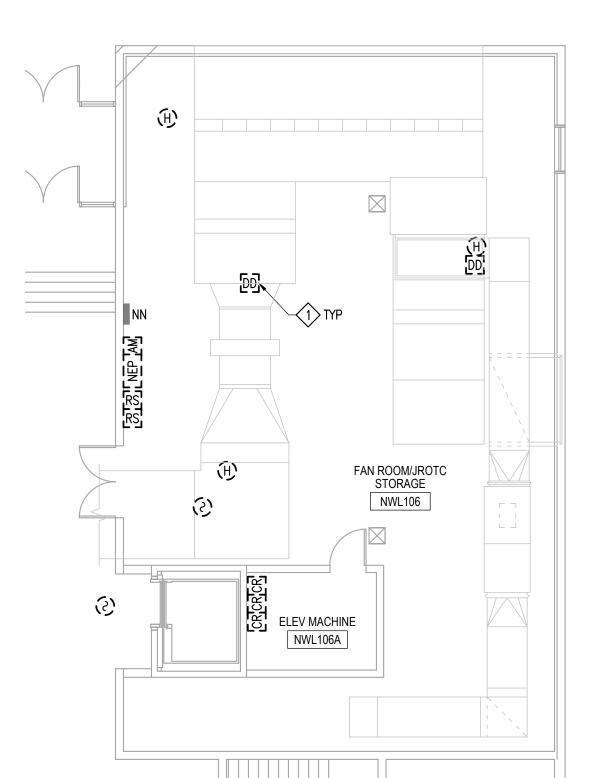
w w w . a m c - e n g i n e e r s . c o m Adams, Morgenthaler & Co., Inc. CoA No C0342 - 907 257 9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503

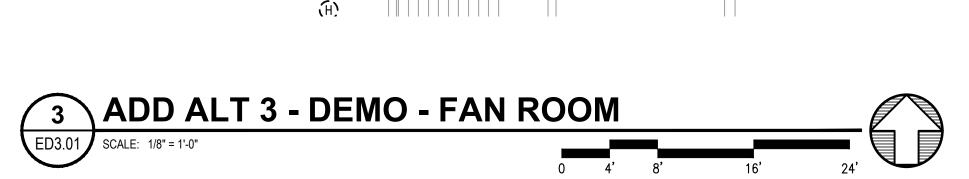


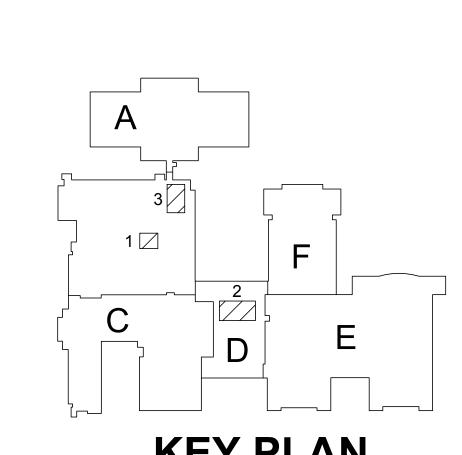


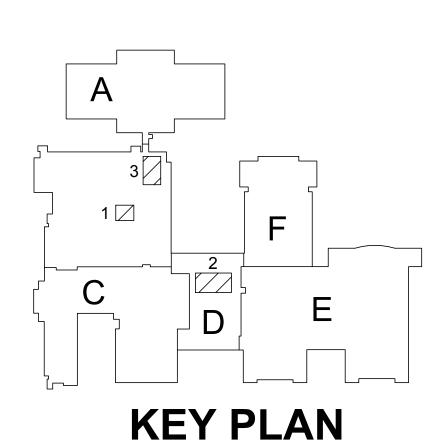


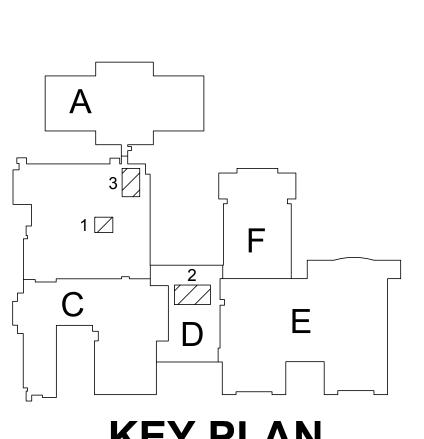












BID DOCUMENTS NOVEMBER 7, 2023 ADD ALT 3 - ENLARGED PLAN MAIN LEVEL -FAN ROOMS - DEMO ED3.01

3330 C St, Suite 200, Anchorage, Ak 99503

ANCHORAGE HIGH SCHOOL

**4025 E Northern Lights**BDS Project No.: 418001.002

ASD Project No.: 19C0002

T: 907.562.6076 | F: 907.562.6635

BETTYE DAVIS EAST

SAFETY UPGRADES ACADEMIC AREA

W: www.bdsak.com

FAN ROOM F14

ADD ALT 3 - ENLARGED DEMO PLAN -

AREA C - FAN ROOM - SOUTH

NOTIFICATION OF CHILD OCCUPIED FACILITY:
Portions of this building are classified as a child occupied facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

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# Anchorage School District

No Description Date

**REVISIONS** 

#### **GENERAL NOTES**

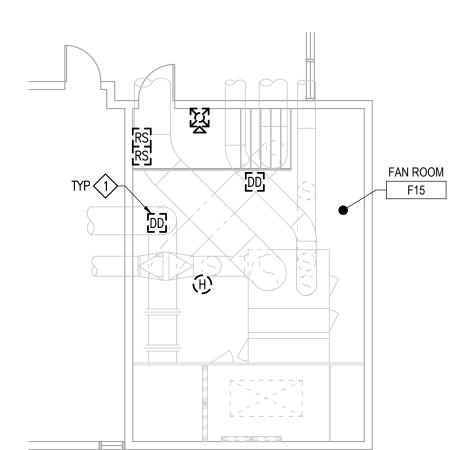
EXISTING FIRE ALARM CONDUIT MAY BE REUSED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.

2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

#### **DEMOLITION NOTES (\*)**

DEMOLISH EXISTING FIRE ALARM DEVICE, BACK BOX AND ASSOCIATED CONDUCTORS BACK TO SOURCE PANEL.

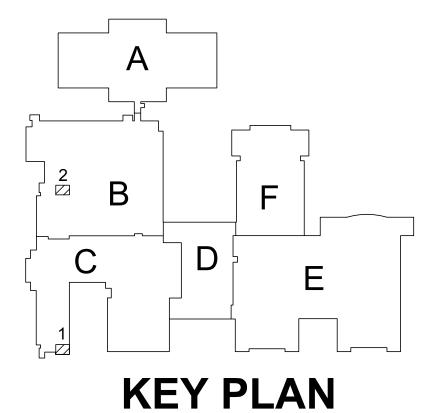


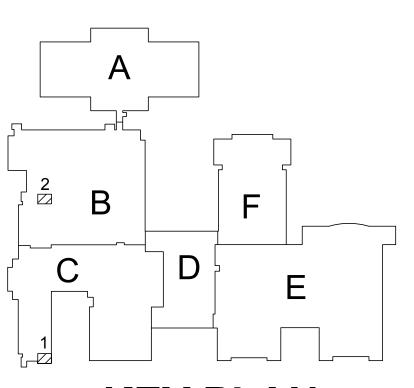


ADD ALT 3 - ENLARGED DEMO PLAN -









BID DOCUMENTS NOVEMBER 7, 2023 ADD ALT 3 - ENLARGED PLANS - UPPER LEVEL - FAN ROOMS - DEMO

ED3.02

T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST

SAFETY UPGRADES ACADEMIC AREA

ANCHORAGE HIGH SCHOOL

4025 E Northern Lights

BDS Project No.: 418001.002

ASD Project No.: 19C0002

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## Anchorage

**School District** 

**REVISIONS** 

No Description Date

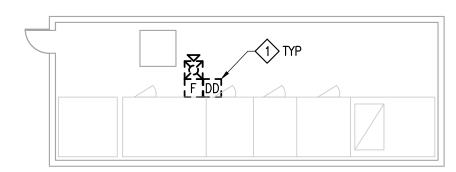
#### **GENERAL NOTES**

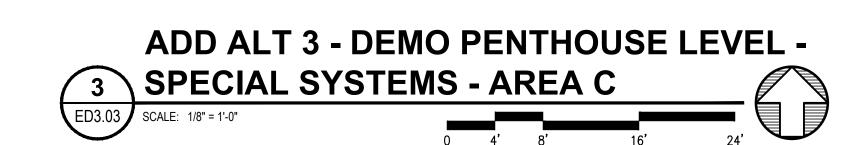
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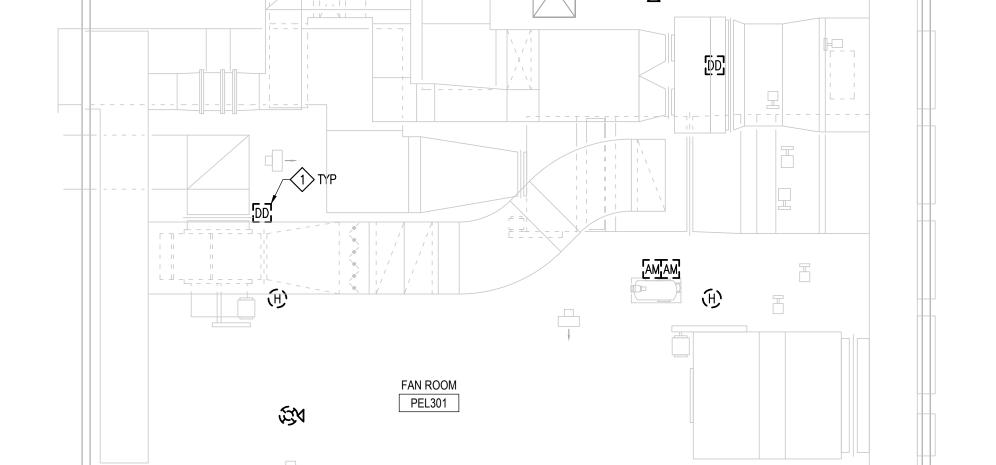
2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

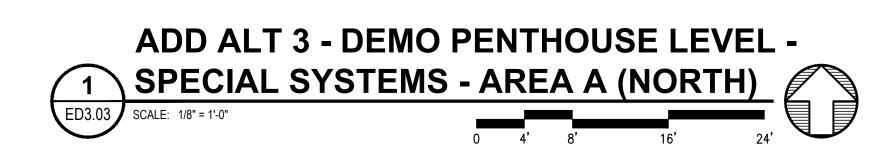
#### **DEMOLITION NOTES (\*)**

DEMOLISH EXISTING FIRE ALARM DEVICE, BACK BOX AND ASSOCIATED CONDUCTORS BACK TO SOURCE PANEL.





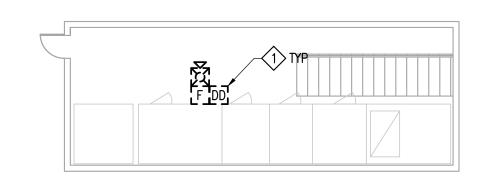




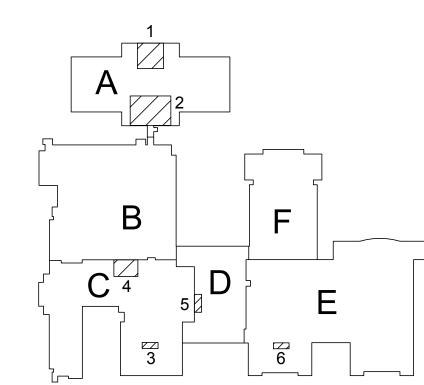
FAN ROOM PEL303

[DD] [RS]RS]

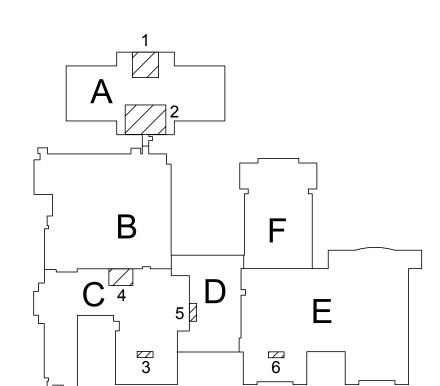


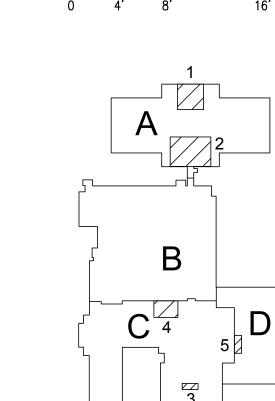






**KEY PLAN** 





4025 E Northern Lights ADD ALT 3 - ENLARGED

PLAN PENTHOUSE

T: 907.562.6076 | F: 907.562.6635

BETTYE DAVIS EAST

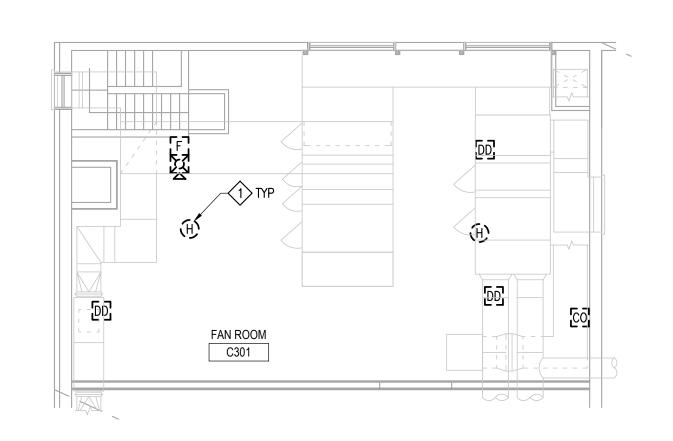
SAFETY UPGRADES ACADEMIC AREA

ANCHORAGE HIGH SCHOOL

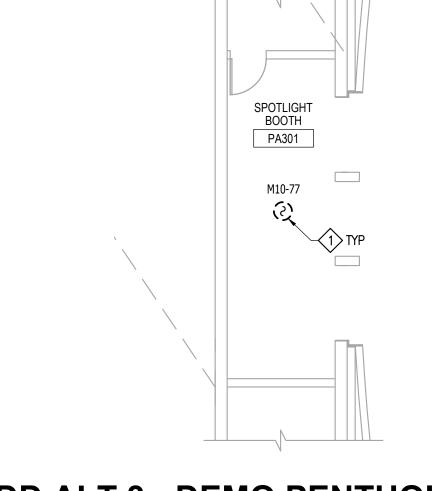
ENGINEERS

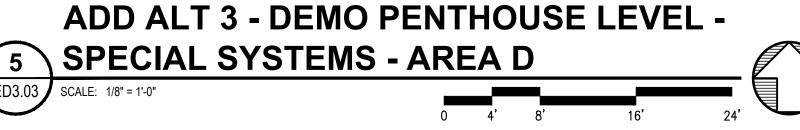
www.amc-engineers.com Adams, Morgenthaler & Co., Inc. CoA No. C0342 - 907.257.9100 701 E. Tudor Rd. Suite 250

LEVEL - FAN ROOMS - DEMO ED3.03



ADD ALT 3 - DEMO PENTHOUSE LEVEL -`\SPECIAL SYSTEMS - AREA C (FAN ROOM)∕





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

#### NOTIFICATION OF CHILD OCCUPIED FACILITY:

Portions of this building are classified as a child occupied facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

#### NOTIFICATION OF POTENTIAL HAZARDS:

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## Anchorage School District

**REVISIONS** 

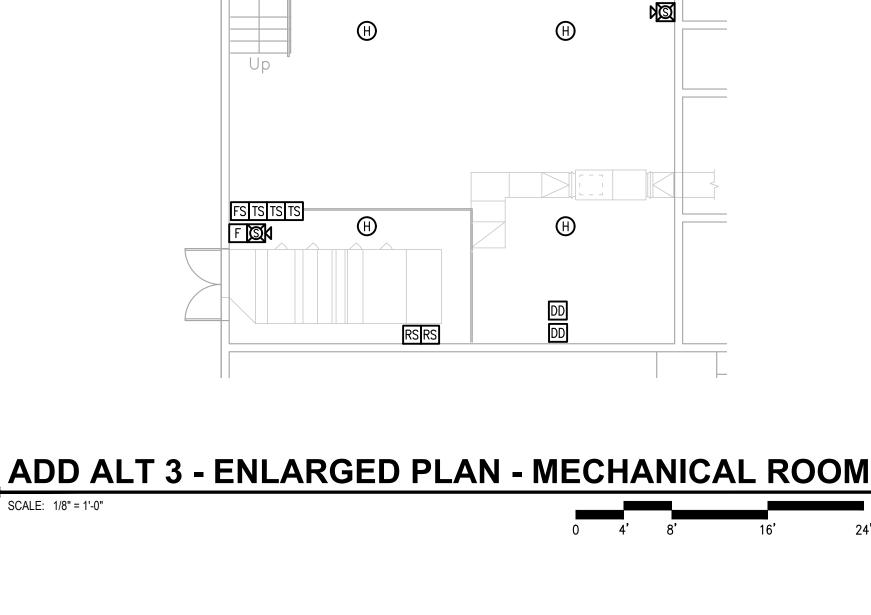
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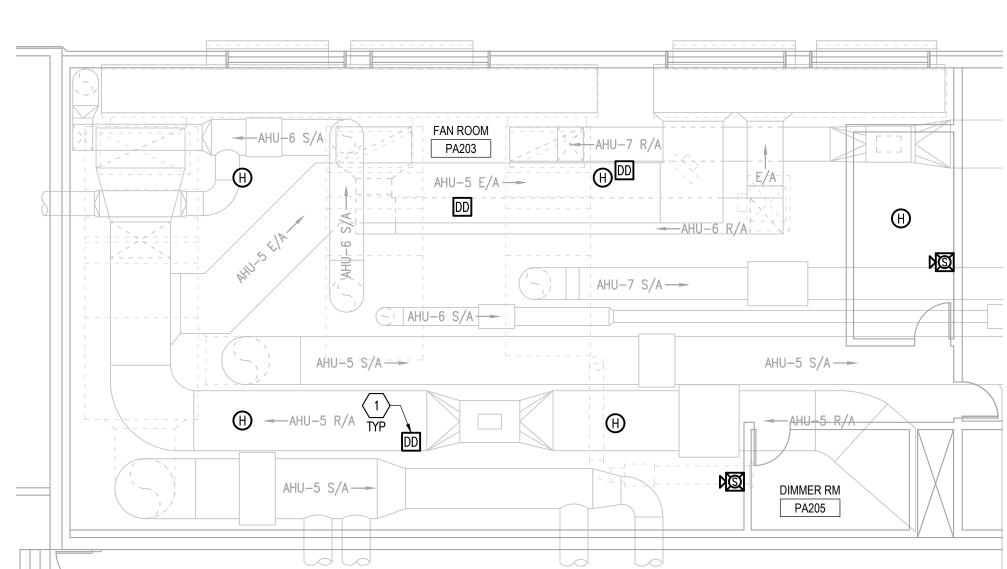
#### **GENERAL NOTES**

- 1. EXISTING FIRE ALARM CONDUIT MAY BE USED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.
- 2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

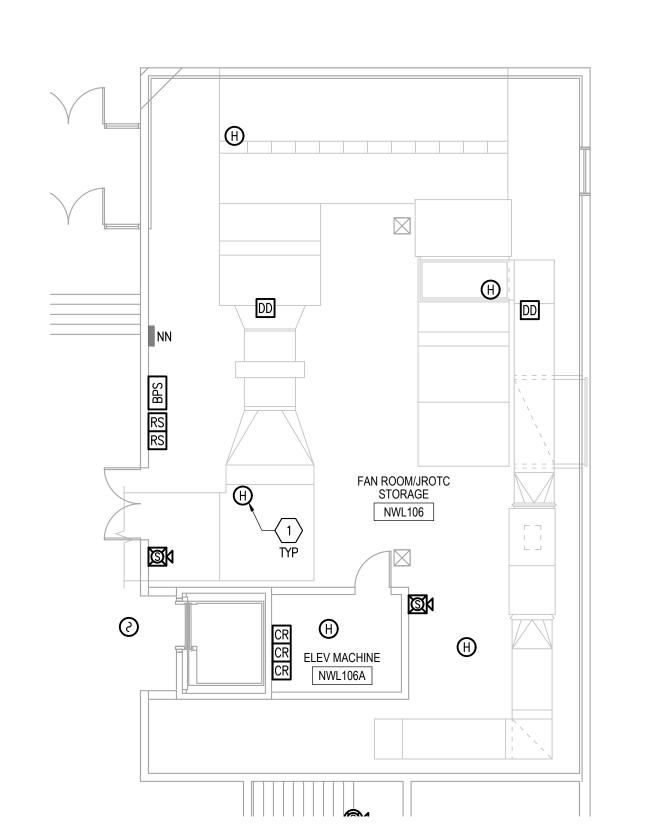
### SHEET NOTES (#)

1 PROVIDE FIRE ALARM DEVICE AT LOCATION INDICATED.

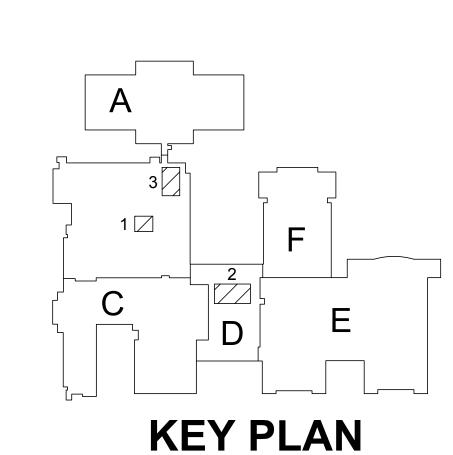


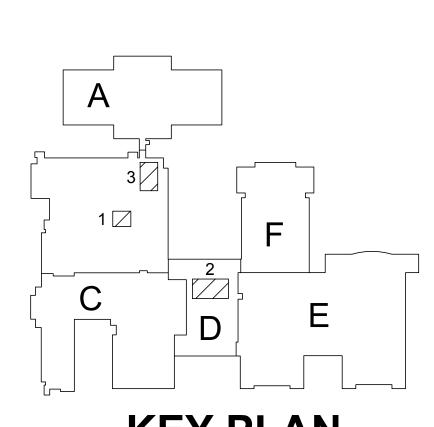


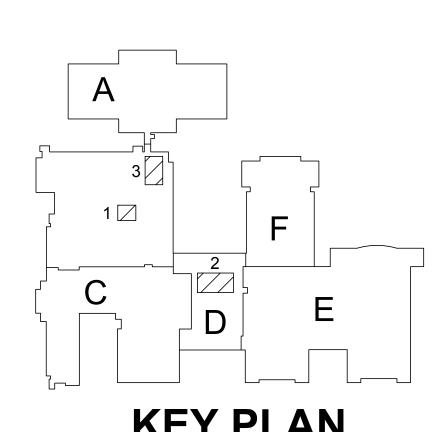














SAFETY UPGRADES ACADEMIC AREA

ENGINEERS

www.amc-engineers.com Adams, Morgenthaler & Co., Inc. CoA No C0342 - 907 257 9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503

BID DOCUMENTS NOVEMBER 7, 2023 ADD ALT 3 - ENLARGED

**4025 E Northern Lights**BDS Project No.: 418001.002

ASD Project No.: 19C0002

PLAN MAIN LEVEL -FAN ROOMS

E3.01

NOTIFICATION OF POTENTIAL HAZARDS:

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**REVISIONS** No Description Date

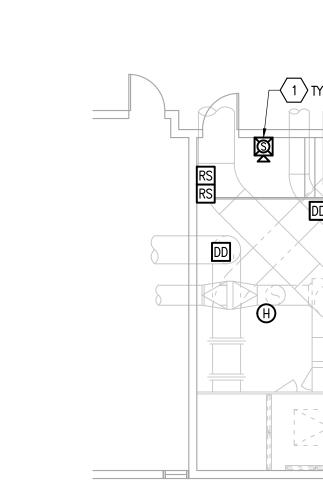
#### **GENERAL NOTES**

1. EXISTING FIRE ALARM CONDUIT MAY BE USED TO THE EXTENT PRACTICAL. DEMOLISH UNUSED CONDUIT.

2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

## SHEET NOTES (#)

1 PROVIDE FIRE ALARM DEVICE AT LOCATION INDICATED.



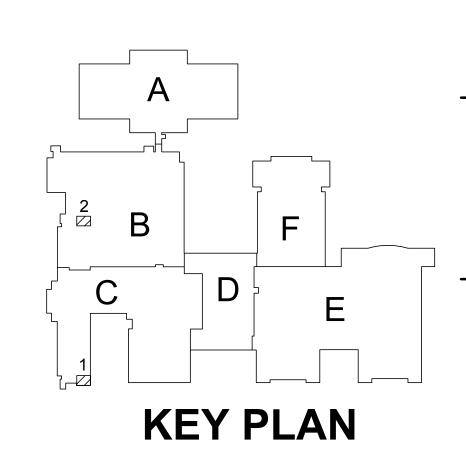


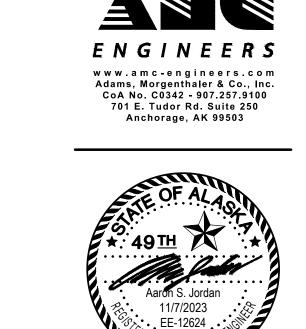


FAN ROOM F14









T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

 4025 E Northern Lights

 BDS Project No.:
 418001.002

 ASD Project No.:
 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

ADD ALT 3 - ENLARGED PLANS UPPER LEVEL
- FAN ROOMS

E3.02

Portions of this building are classified as a child occupied facility in accordance with 40 CFR 745 and lead-based paints may be present on components to be disturbed in those areas. Personnel performing work in these areas must comply with the requirements of 40 CFR 745, including training, work practices and cleaning of the work area. Refer to Specification Divisions 0, 1, and 2 for specific information concerning disturbing, removing, and disposing of lead materials and the installation of new materials or components. This notification is provided in accordance with EPA and OSHA requirements.

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## Anchorage **School District**

**REVISIONS** 

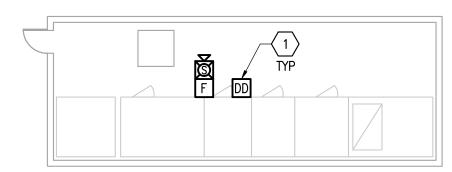
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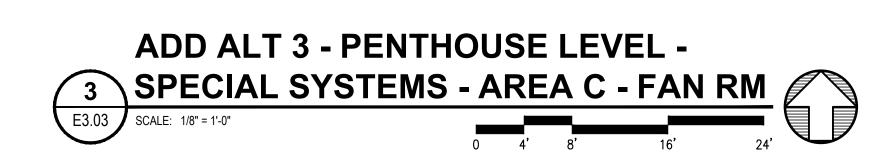
## **GENERAL NOTES**

- 1. EXISTING FIRE ALARM CONDUIT MAY BE USED TO THE EXTENT PRACTICAL. DEMOLISH
- 2. PATCH, PAINT AND REPAIR FINISHES AFFECTED BY DEMOLITION TO MATCH EXISTING.

### SHEET NOTES (#)

- 1 PROVIDE FIRE ALARM DEVICE AT LOCATION INDICATED.
- PROVIDE CEILING MOUNTED FIRE ALARM SPEAKER/STROBE AT APPROXIMATE LOCATION INDICATED. FIELD COORDINATE EXACT LOCATION WITH EXISTING CEILING





## $\Theta$ PEL301 $\oplus$

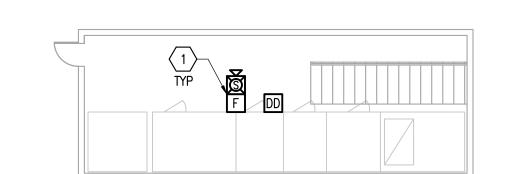


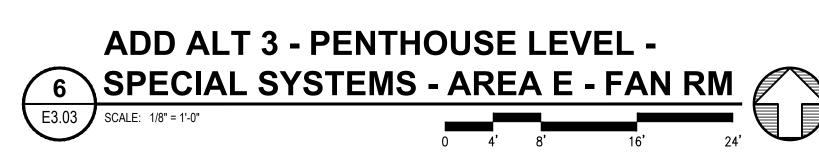
FAN ROOM

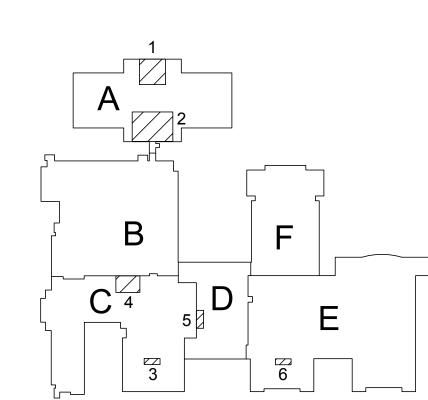
PEL303

FAN ROOM PEL303

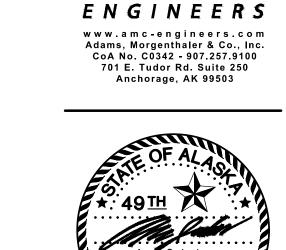








**KEY PLAN** 



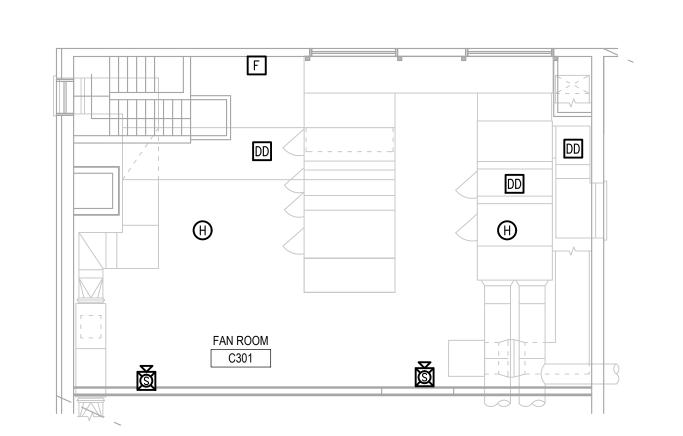
T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights

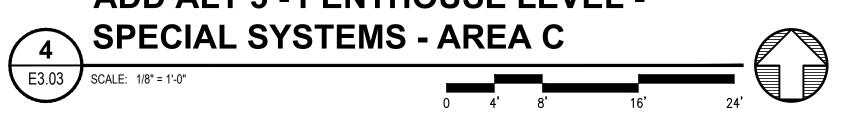
BID DOCUMENTS NOVEMBER 7, 2023

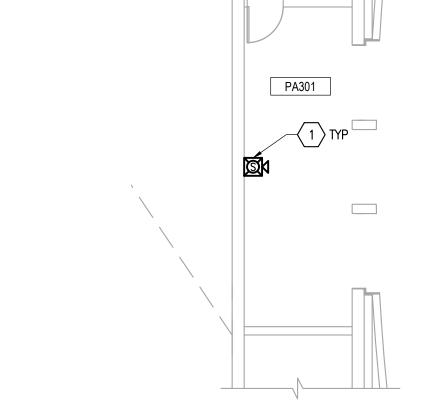
ADD ALT 3 - ENLARGED PLAN PENTHOUSE LEVEL - FAN ROOMS

E3.03









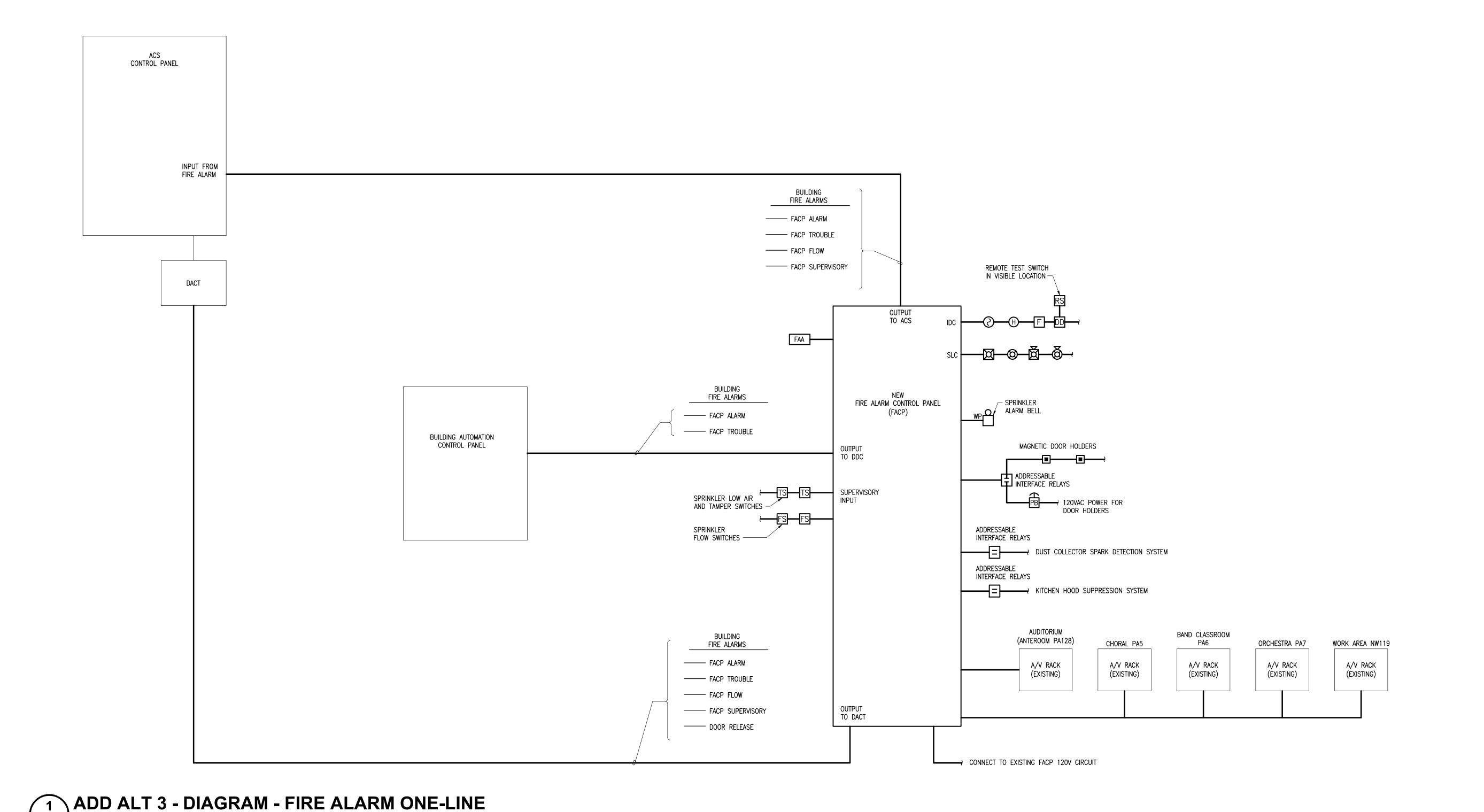


#### NOTIFICATION OF POTENTIAL HAZARDS:

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**REVISIONS** No Description Date



ENGINEERS w w w . a m c - e n g i n e e r s . c o m Adams, Morgenthaler & Co., Inc. CoA No C0342 - 907 257 9100 701 E. Tudor Rd. Suite 250 Anchorage, AK 99503



3330 C St, Suite 200, Anchorage, Ak 99503 T: 907.562.6076 | F: 907.562.6635 W: www.bdsak.com

BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL SAFETY UPGRADES ACADEMIC AREA

4025 E Northern Lights BDS Project No.: 418001.002 ASD Project No.: 19C0002

BID DOCUMENTS NOVEMBER 7, 2023

ADD ALT 3 - DIAGRAM -FIRE ALARM ONE-LINE

E4.01