

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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BETTYE DAVIS EAST ANCHORAGE HIGH SCHOOL (BDEAHS) MAIN GYM FLOOR REPLACEMENT

4025 E Northern Lights Blvd
Anchorage, AK 99508
ASD Project Number: 830720

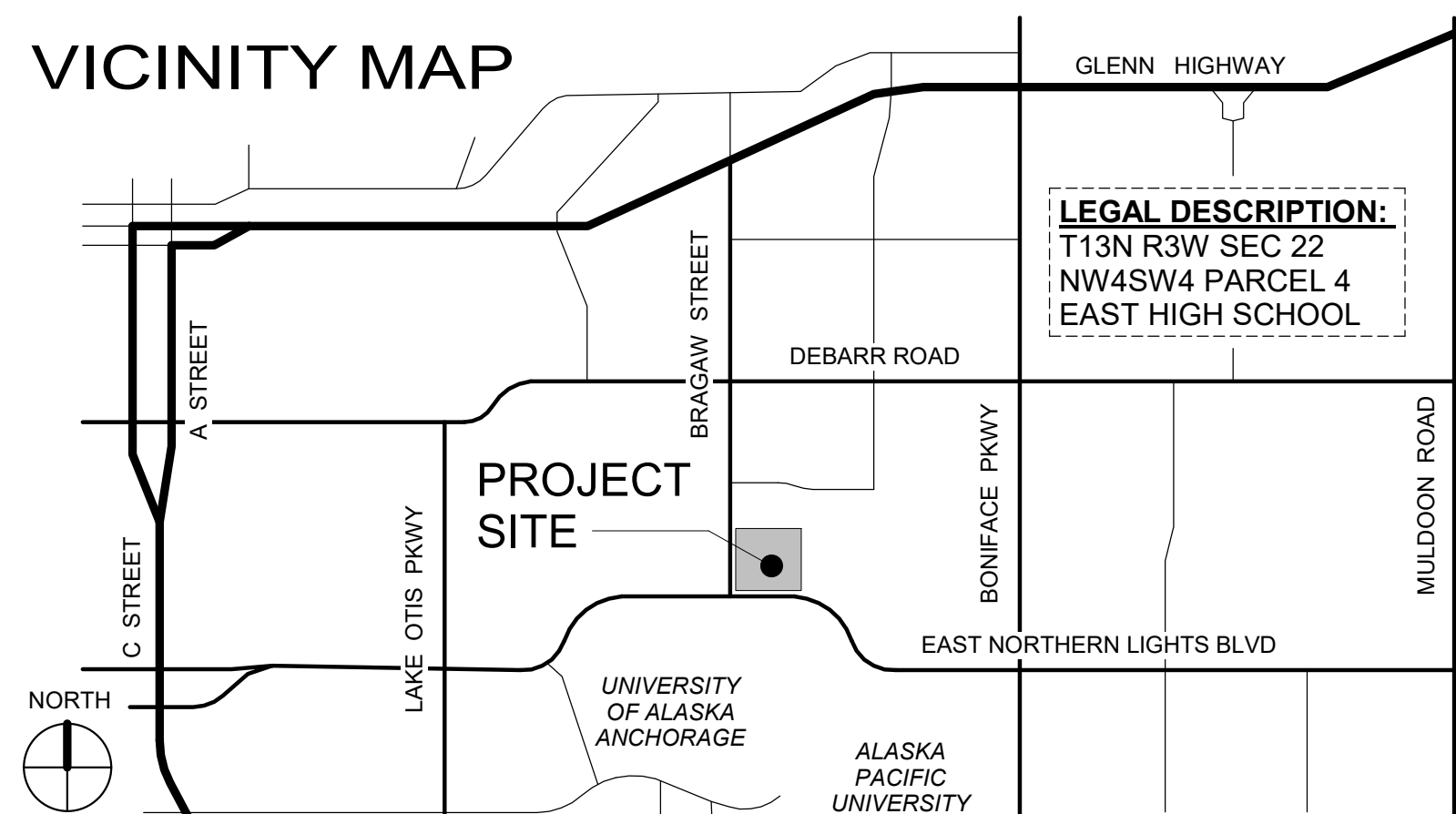


Anchorage
School District

REVISIONS

No	Description	Date

VICINITY MAP



100% BID DOCUMENTS FEBRUARY 7, 2025

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HAZARDOUS MATERIALS

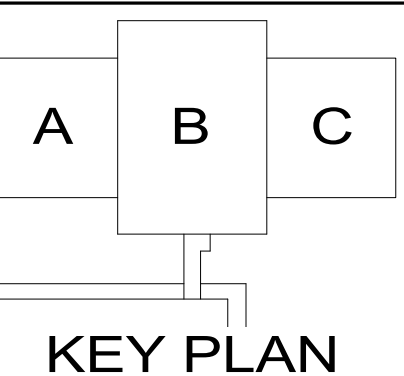
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SCOPE OF WORK

BASE BID:

- MAIN GYMNASIUM PEL 129 FLOOR REPLACEMENT, INCLUDING DEMOLITION OF EXISTING FLOOR, REMEDIATION OF HAZARDS, AND INSTALLATION OF NEW FLOOR, GAME LINES, AND ARTWORK.
- NEW FLOOR IN HALLWAY PEL 127A AND HALLWAY PEL 127B TO MATCH NEW LEVEL OF GYM FLOOR.
- NEW DOORS AS SCHEDULED TO ACCOMMODATE NEW GYMNASIUM FLOOR LEVEL.
- SIDE WALK REPLACEMENT AT EXIT DOORS TO MATCH NEW DOORS AT FLOOR LEVEL.
- DEMOLITION OF BLEACHERS.
- REPLACE 6 RETRACTABLE BASKETBALL HOOPS.
- PAINT HALLWAYS PEL 127A, 127B, AND MAIN GYMNASIUM PEL 129 IF ADDITIVE ALTERNATE 4 IS NOT TAKEN, EXISTING RETRACTABLE BASKETBALL HOOPS TO BE ADJUSTED TO NEW FLOOR HEIGHT, 6 IN TOTAL.

ADDITIVE ALTERNATE #1:

- REPLACE FLOORING IN PEL117 COMMONS
- ADD RECESSED DISPLAY CASES

ADDITIVE ALTERNATE #2:

- REPLACE MAIN GYMNASIUM CURTAIN DIVIDER COMPLETELY. UTILIZE EXISTING CONNECTIONS TO STRUCTURE.

ADDITIVE ALTERNATE #3:

- EXTERIOR ARTWORK.

ADDITIVE ALTERNATE #4:

- REPLACEMENT OF RETRACTABLE BASKETBALL HOOPS, 6 IN TOTAL.

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MED1.01	LEVEL 0 PLAN - MECHANICAL & ELECTRICAL - DEMOLITION
ME1.01	LEVEL 0 PLAN - MECHANICAL & ELECTRICAL - NEW



BDS, Inc. Entity #25796D



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BDEAHS MAIN GYM FLOOR REPLACEMENT

Anchorage, Alaska
BDS Project No.: 419004.003
ASD Project No.: 830720

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FEBRUARY 7, 2025

COVER SHEET G0.01

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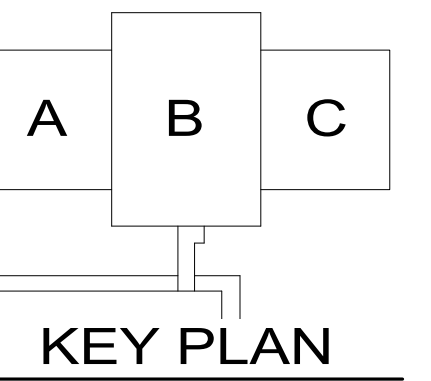
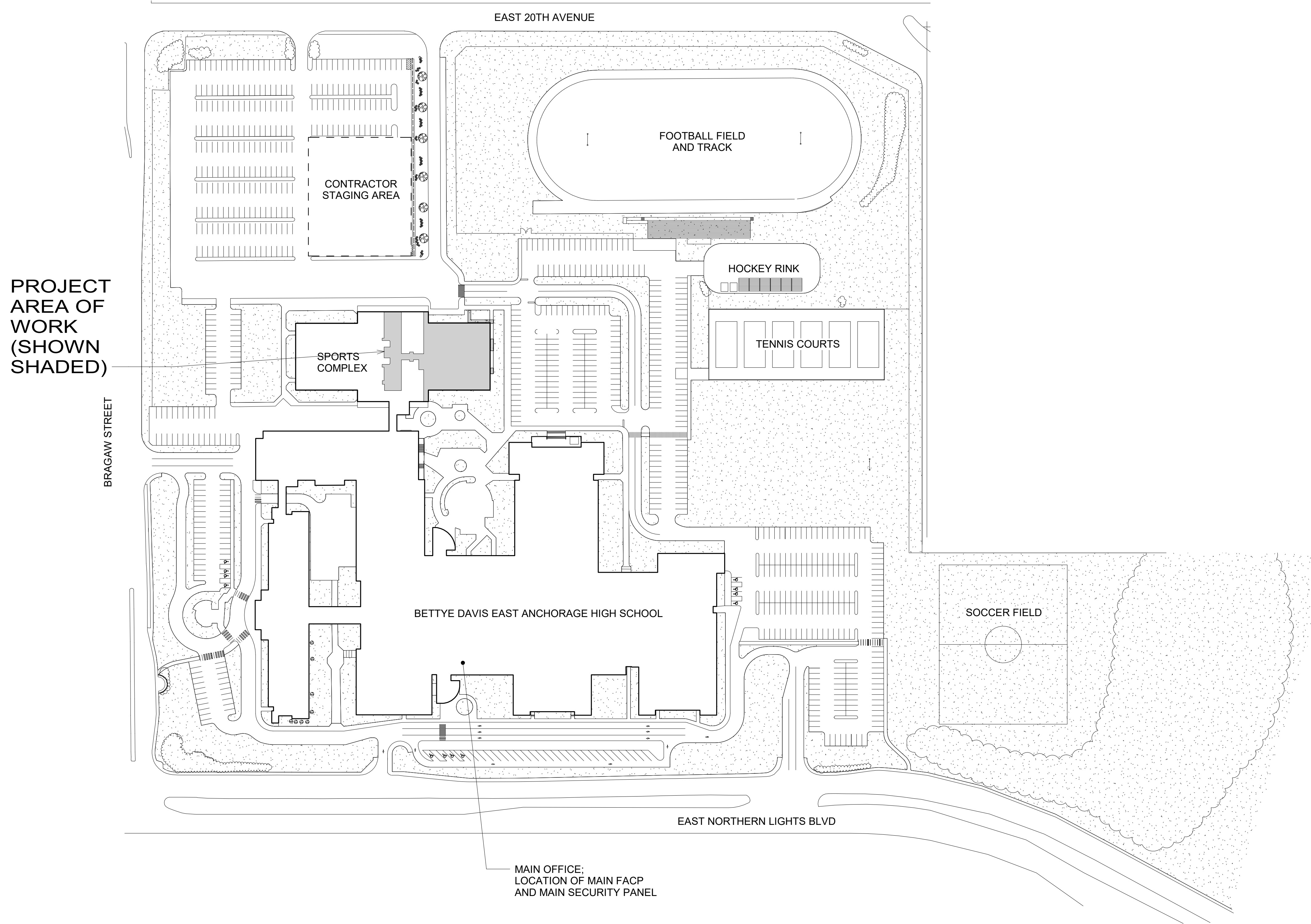
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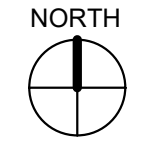
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Anchorage, Alaska
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100% BID DOCUMENTS
FEBRUARY 7, 2025

SITE PLAN - CONTRACTOR STAGING
G0.02

1 SITE PLAN - CONTRACTOR STAGING
G0.02 SCALE: 1" = 100'-0"



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CODE INFORMATION

APPLICABLE CODES:
WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE STATE OF ALASKA AND THE MUNICIPALITY OF ANCHORAGE.

2018 IBC and the INTERNATIONAL EXISTING BUILDING CODE (IEBC) ALTERATIONS LEVEL 2

EXISTING 1975 FACILITY:
OCCUPANCY - E, A-2, NON-SEPARATED USE PROVISIONS OF IBC, SECTION 508.3.1.1, ALLOW THE BUILDING TO COMPLY WITH THE MOST RESTRICTIVE OCCUPANCY WHICH IS E. THE E AND A OCCUPANCIES ARE NOT CONSIDERED SEPARATE OCCUPANCIES PER IBC, SECTION 303.1, EXCEPTION NO.4.

CONSTRUCTION TYPE- II-A (Table 601)
EXISTING PRIMARY STRUCTURE IS 1 HR (CONCRETE). EXISTING EXTERIOR BEARING WALLS: PRECAST AND CAST IN PLACE REINFORCED 6-8" THICK CONCRETE- 1 HR MIN. RATING
EXISTING INTERIOR BEARING WALLS: 6"-12" REINFORCED CONCRETE 1 HR MIN RATING
EXISTING INTERIOR NON-BEARING WALLS: 6"-12" REINFORCED CMU OR 4"-8" STEEL STUD & GYPSUM BOARD 1 HR MIN RATING
EXISTING OVERHEAD FLOOR SLABS: REINFORCED CAST-IN PLACE CONCRETE 8" MINIMUM THICKNESS 1 HR MIN. RATING
EXISTING ROOF DECKING: REINFORCED PRECAST T BEAMS 6"-12 INCH MINIMUM THICKNESS 1 HR MIN. RATING

FIRE PROTECTION: FULLY SPRINKLERED
EXISTING AUTOMATIC SPRINKLERS ON LEVEL 1 (UPPER LEVEL) ONLY. PROJECT TO ADD AUTOMATIC SPRINKLERS ON LEVEL 0 (GROUND LEVEL) ONLY- EXCEPT MOA POOL.

ALLOWABLE AREA:
62,000 (A-2 OCCUPANCY, FULLY SPRINKLERED) x 2 FLOORS = 124,000 SF ALLOWABLE

ACTUAL AREA:
LEVEL 1: 20,628 SF (MECHANICAL PENTHOUSES (4,406 SF) NOT INCLUDED PER SECTION 505)
LEVEL 0 (GROUND): 41,604 SF

EXTERIOR WALL PROTECTION:
PROPERTY LINES AND SETBACK TO OTHER BUILDINGS EXCEED 30 FEET. NO RATINGS REQUIRED

OPENINGS:
UNLIMITED UNPROTECTED OPENINGS ARE PERMITTED IN EXTERIOR WALLS THAT ARE ALLOWED TO BE UNRATED.

CORRIDOR CONSTRUCTION:
NO RATING REQUIRED PER IBC, SECTION / TABLE 1018.1 BECAUSE OF THE AUTOMATIC SPRINKLER SYSTEM. (EXISTING ARE NONCOMBUSTIBLE CMU)

EGRESS HARDWARE
ALL EXIT DOORS SERVING AN OCCUPANT LOAD OF 50 OR MORE OR E OCCUPANCY REQUIRE PANIC HARDWARE PER IBC, SECTION 1008.1.10.

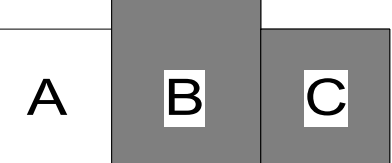
OCCUPANT LOAD:
SEE DATA BELOW POOL AND GYM ON DIAGRAM

PER IBC SECTION 1005, MINIMUM EGRESS WIDTH REQUIRED = 55". ACTUAL >70"

EMERGENCY LIGHTS & ILLUMINATED EXIT SIGNS:
REQUIRED PER IBC, SECTIONS 1006 AND 1011 WHERE ROOMS, OR THE BUILDING, REQUIRE TWO EXITS AND AT EXTERIOR EGRESS

ROOF COVERING:
CLASS B PER IBC, SECTION / TABLE 1505.1 REQUIRED. CLASS A PROVIDED BY THIS DESIGN.

INTERIOR FINISHES:
CLASS C



KEY PLAN



BDS, Inc. Entity #25796D



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BDEAHS MAIN GYM FLOOR REPLACEMENT

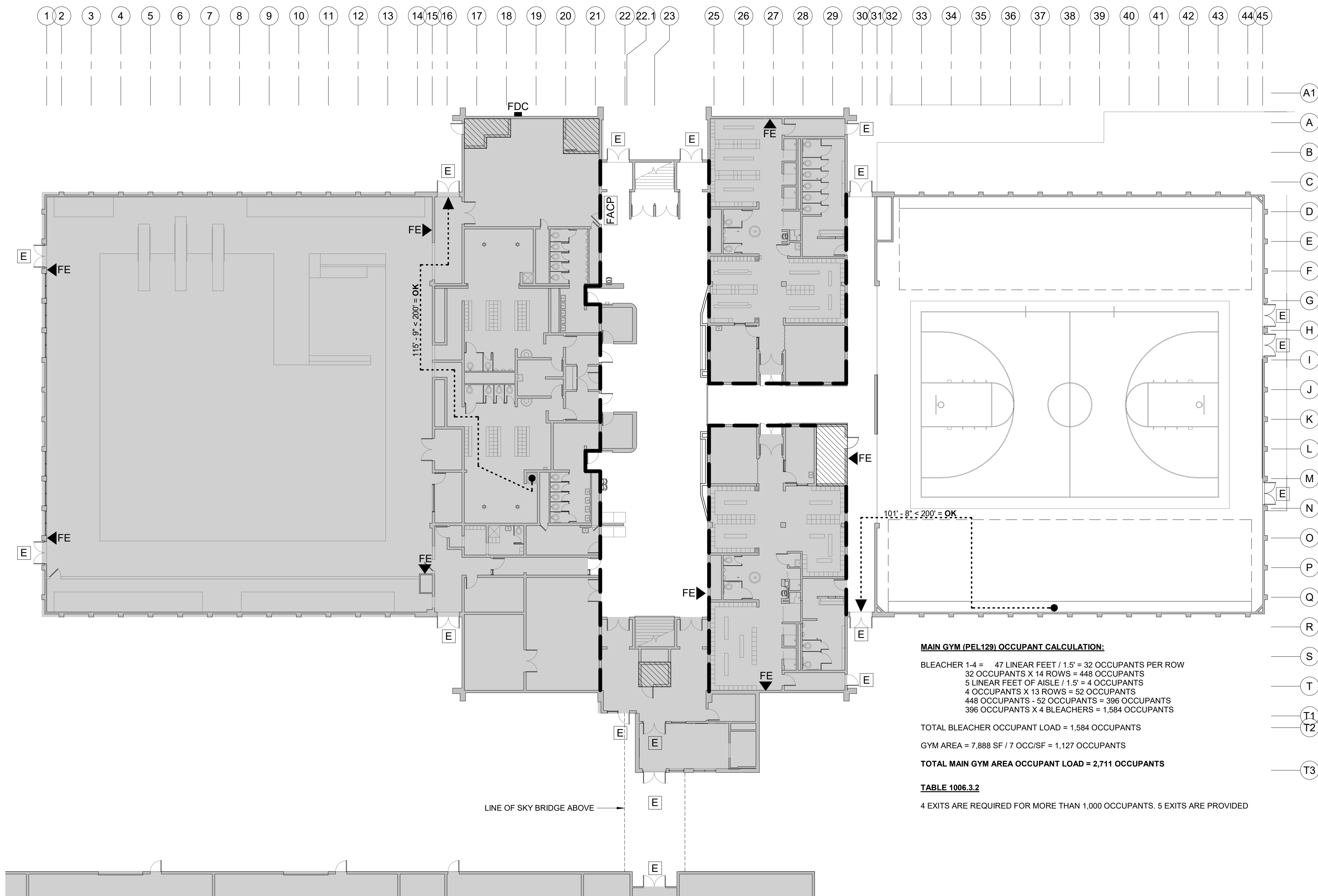
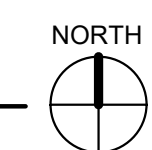
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FEBRUARY 7, 2025

CODE PLAN G0.03

CODE LEGEND

- NO RENOVATIONS IN THIS SHADED AREA. WORK INSIDE THIS AREA MAY OCCUR IF REQUIRED TO COMPLETE THE RENOVATION.
- 1 HOUR FIRE/SMOKE RATED ROOM
- 20 MIN SMOKE BARRIER
- MAXIMUM PATH OF EGRESS
- EXIT
- FIRE ALARM CONTROL PANEL
- FIRE EXTINGUISHER / FIRE EXTINGUISHER CABINET



MAIN GYM (PEL129) OCCUPANT CALCULATION:
BLEACHER 1-4 = 47 LINEAR FEET / 1.5' = 32 OCCUPANTS PER ROW
32 OCCUPANTS X 14 ROWS = 448 OCCUPANTS
5 LINEAR FEET OF AISLE / 1.5' = 4 OCCUPANTS
4 OCCUPANTS X 13 ROWS = 52 OCCUPANTS
448 OCCUPANTS - 52 OCCUPANTS = 396 OCCUPANTS
396 OCCUPANTS X 4 BLEACHERS = 1,584 OCCUPANTS

TOTAL BLEACHER OCCUPANT LOAD = 1,584 OCCUPANTS

GYM AREA = 7,888 SF / 7 OCC/SF = 1,127 OCCUPANTS

TOTAL MAIN GYM AREA OCCUPANT LOAD = 2,711 OCCUPANTS

TABLE 1006.3.2

4 EXITS ARE REQUIRED FOR MORE THAN 1,000 OCCUPANTS. 5 EXITS ARE PROVIDED

1 CODE PLAN - LEVEL 0 - OVERALL
G0.03 SCALE: 1/16" = 1'-0"



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GENERAL NOTES

- THE HAZARDS ABATEMENT PORTION OF THIS PROJECT INCLUDES THE DISTURBANCE AND/OR REMOVAL AND DISPOSAL OF SELECTED ASBESTOS-CONTAINING MATERIALS, MERCURY-CONTAINING MATERIALS, AND LEAD-CONTAINING MATERIALS. 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 OR DEMOLITION SO THAT PERSONNEL CAN SAFELY PERFORM THEIR WORK WITHOUT CREATING HAZARDS TO HEALTH OR THE ENVIRONMENT.
- 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 RUBBER GYM FLOORING 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.
- LEAD-BASED PAINTS (PAINT CONTAINING EQUAL TO OR GREATER THAN 1.0 mg/cm²) WERE NOT IDENTIFIED DURING THE LIMITED LEAD TESTING SHOWN IN THE HAZMAT SURVEY, BUT 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. RELATIVELY HIGH CONCENTRATIONS OF LEAD WERE FOUND IN OLDER CERAMIC TILE GLAZINGS. 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 40 CFR 745 AND 29 CFR 1926.62 AND TO AVOID CONTAMINATION OF THE WORK AREA AND SITE.
- PERFORM INITIAL AIR MONITORING TESTS ON ALL TASKS THAT DISTURB THE RUBBER FLOORING, 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 IS ASSUMED TO 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.
- THE CONTRACTOR'S INDEPENDENT LABORATORY SHALL PROVIDE ALL INSPECTIONS, MONITORING, SAMPLING, ANALYSES AND REPORTING SERVICES AS SPECIFIED. CLEARANCE AIR MONITORING AT THE CONCLUSION OF THE RUBBER FLOORING REMOVAL SHALL BE CONDUCTED IN ACCORDANCE WITH THE SPECIFICATIONS. CLEARANCES FOR ASBESTOS-CONTAINING MATERIALS 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. THE MERCURY-CONTAINING RUBBER GYM FLOORING HAS BEEN SHOWN TO REQUIRE SPECIAL TREATMENT DURING THE DISPOSAL PROCESS, REFER TO SPECIFICATIONS. PERFORM TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP) TEST(S) OF WASTE(S) OF CLEANING MATERIALS, AND DEBRIS FROM THE RUBBER FLOOR REMOVAL. PERFORM 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. COORDINATE REQUIREMENTS OF LANDFILL(S) REGARDING MATERIALS PACKAGING, HANDLING, AND DISPOSAL REQUIREMENTS PRIOR TO SUBMITTING BID.

ESTIMATED QUANTITIES TO BE REMOVED (BASE BID)

INCIDENTAL QUANTITIES OF MATERIALS, INCLUDING LEAD-CONTAINING MATERIALS, THAT ARE REQUIRED TO BE REMOVED TO COMPLETE THE WORK, BUT OTHERWISE ARE TO REMAIN, ARE NOT INCLUDED HERE, AS THEY WILL VARY DEPENDING ON THE CONTRACTOR'S CHOICE OF MEANS AND METHODS.

254 CUBIC FEET OF MERCURY-CONTAINING RUBBER GYM FLOORING CLASSIFIED AS A SPECIAL TREATMENT HAZARDOUS WASTE.

7,660 SQUARE FEET OF ROUGH CONCRETE SUBSTRATE TO BE CLEANED OF ALL VISIBLE REMNANTS OF THE RUBBER GYM FLOORING.

10" SQUARE FEET ALLOWANCE OF GYPSUM WALLBOARD WITH ASBESTOS-CONTAINING JOINT COMPOUND

20" SQUARE FOOT ALLOWANCE OF ASSUMED ASBESTOS-CONTAINING "SACKING" MATERIAL

60" SQUARE FOOT ALLOWANCE OF ASBESTOS-CONTAINING EXTERIOR TEXTURED PAINT

1,555 SQUARE FEET OF VINYL ASBESTOS TILE OR VINYL COMPOSITION TILE AND ASBESTOS-CONTAINING MASTIC TO BE REMOVED

ESTIMATED QUANTITIES TO BE REMOVED (ADDITIVE ALTERNATE #1)

INCIDENTAL QUANTITIES OF MATERIALS, INCLUDING LEAD-CONTAINING MATERIALS, THAT ARE REQUIRED TO BE REMOVED TO COMPLETE THE WORK, BUT OTHERWISE ARE TO REMAIN, ARE NOT INCLUDED HERE, AS THEY WILL VARY DEPENDING ON THE CONTRACTOR'S CHOICE OF MEANS AND METHODS.

20" SQUARE FOOT ALLOWANCE OF ASSUMED ASBESTOS-CONTAINING "SACKING" MATERIAL

3370 SQUARE FEET OF VINYL ASBESTOS TILE OR VINYL COMPOSITION TILE AND ASBESTOS-CONTAINING MASTIC TO BE REMOVED

ESTIMATED QUANTITIES TO BE REMOVED (ADDITIVE ALTERNATE #2)

NO HAZARDOUS MATERIALS ARE ANTICIPATED TO REQUIRE DISTURBANCE FOR ADDITIVE ALTERNATE #2. AVOID DISTURBANCE OF GYPSUM WALL BOARD WITH ASBESTOS-CONTAINING JOINT COMPOUND AT ADJACENT AREAS.

ESTIMATED QUANTITIES TO BE REMOVED (ADDITIVE ALTERNATE #3)

NO HAZARDOUS MATERIALS ARE ANTICIPATED TO REQUIRE DISTURBANCE FOR ADDITIVE ALTERNATE #3. AVOID DISTURBANCE OF EXTERIOR TEXTURED PAINT ON CONCRETE AT ADJACENT AREAS.

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.

① REMOVE MERCURY-CONTAINING RUBBER GYM FLOORING WHICH IS CLASSIFIED AS A SPECIAL TREATMENT HAZARDOUS WASTE. REMOVE ALL VISIBLE REMNANTS OF THE RUBBER FLOOR FROM IMPERFECTIONS IN THE CONCRETE SUBSTRATE. REMOVAL, CHIPPING, GRINDING, POLISHING SHALL BE CONDUCTED IN SUCH A WAY THAT NO WATER OR DEBRIS IS ALLOWED TO GET OUT OF THE WORK AREA, REFER TO SHEET SUMMARY.

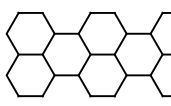
② DISTURB GYPSUM WALL BOARD WITH ASBESTOS-CONTAINING JOINT COMPOUND ONLY AS NECESSARY TO COMPLETE THE WORK. THE GYPSUM WALL BOARD IS TYPICALLY LOCATED UNDERNEATH THE "PANEL 15", METAL COVERED PLYWOOD PANELING WHICH IS THE TYPICAL WALL FINISH ON WALLS THAT ARE NOT CONCRETE.

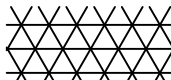
③ DISTURB ASSUMED ASBESTOS-CONTAINING "SACKING" OR SMOOTHING COMPOUND ASSUMED TO BE PRESENT ON THE EXPOSED, FINISHED CONCRETE WALL ONLY AS NECESSARY TO COMPLETE THE WORK.

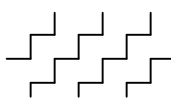
④ REMOVE VINYL ASBESTOS TILE AND COMPLETELY REMOVE ACCOMPANYING ASBESTOS-CONTAINING MASTIC. REFER TO HATCHING WHICH DEPICTS THE AREAS OF THE BASE BID AND ADDITIVE ALTERNATE #1 WORK.


⑤ DISTURB ASBESTOS-CONTAINING EXTERIOR TEXTURED PAINT AS REQUIRED TO REMOVE AND RE-SET DOOR INTO EXISTING DOOR FRAME.

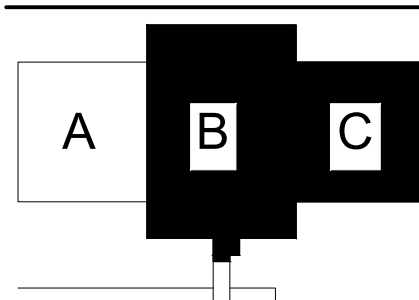
LEGEND

 MERCURY-CONTAINING RUBBER GYM FLOORING TO BE COMPLETELY REMOVED, INCLUDING ALL VISIBLE REMNANTS FROM CRACKS AND IRREGULARITIES IN THE CONCRETE SUBSTRATE.

 VINYL ASBESTOS TILE OR VINYL COMPOSITION TILE FLOORING AND ASBESTOS-CONTAINING FLOORING MASTIC, BASE BID REMOVAL.

 VINYL ASBESTOS TILE OR VINYL COMPOSITION TILE FLOORING AND ASBESTOS-CONTAINING FLOORING MASTIC, ADDITIVE ALTERNATE #1 REMOVAL.

 DISTURB ASBESTOS-CONTAINING EXTERIOR TEXTURED PAINT AS NECESSARY TO REMOVE AND REINSTALL DOOR INTO EXISTING FRAMES.



KEY PLAN



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INCORPORATED

ENGINEERING, HEALTH & SAFETY CONSULTANTS
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Bellaire, AK 99577-7701
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BDS, Inc. Entity #25796D



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BDEAHS MAIN GYM FLOOR REPLACEMENT

Anchorage, Alaska

BDS Project No.: 419004.003
ASD Project No.: 830720

100% BID DOCUMENTS
FEBRUARY 7, 2025

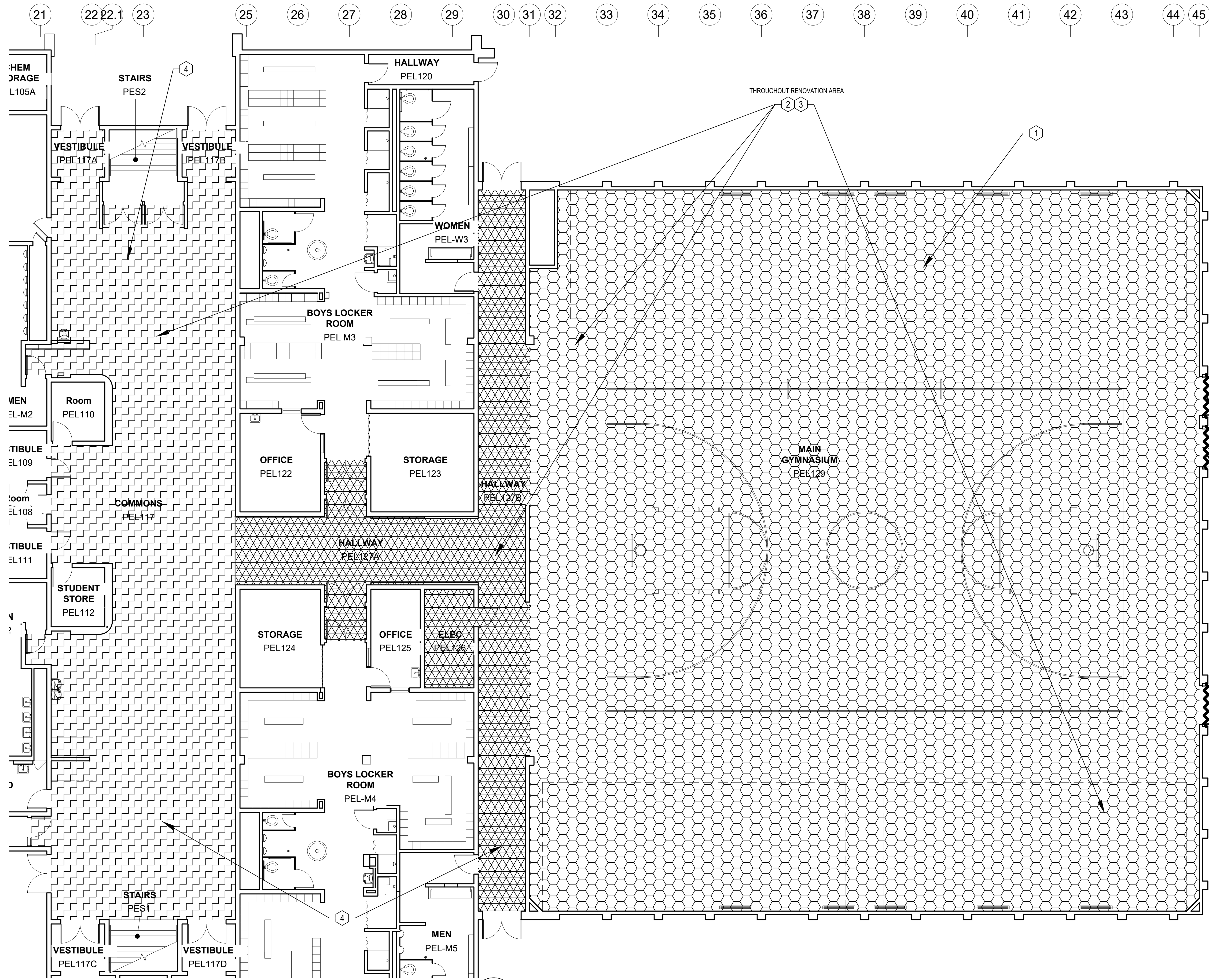
HAZARDS ABATEMENT - GENERAL NOTES

H0.01



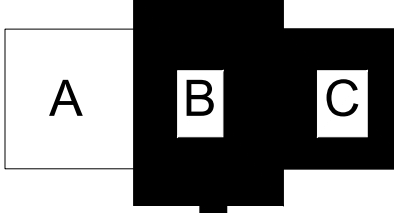
Anchorage School District

REVISIONS
No Description Date



LEGEND

- E MERCURY-CONTAINING RUBBER GYM FLOORING TO BE COMPLETELY REMOVED, INCLUDING ALL VISIBLE REMNANTS FROM CRACKS AND IRREGULARITIES IN THE CONCRETE SUBSTRATE.
- F VINYL ASBESTOS TILE OR VINYL COMPOSITION TILE FLOORING AND ASBESTOS-CONTAINING FLOORING MASTIC, BASE BID REMOVAL.
- G VINYL ASBESTOS TILE OR VINYL COMPOSITION TILE FLOORING AND ASBESTOS-CONTAINING FLOORING MASTIC, ADDITIVE ALTERNATE #1 REMOVAL.
- H DISTURB ASBESTOS-CONTAINING EXTERIOR TEXTURED PAINT AS NECESSARY TO REMOVE AND REINSTALL DOOR INTO EXISTING FRAMES.



KEY PLAN

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STATE OF ALASKA
49 TH
Robert A. French
3-7-2025
No. ME9128
REGISTERED PROFESSIONAL ENGINEER

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Anchorage, Alaska
BDS Project No.: 419004.003
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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.

- 1 REMOVE MERCURY-CONTAINING RUBBER GYM FLOORING WHICH IS CLASSIFIED AS A SPECIAL TREATMENT HAZARDOUS WASTE. REMOVE ALL VISIBLE REMNANTS OF THE RUBBER FLOOR FROM IMPERFECTIONS IN THE CONCRETE SUBSTRATE. REMOVAL, CHIPPING, GRINDING, POLISHING SHALL BE CONDUCTED IN SUCH A WAY THAT NO WATER OR DEBRIS IS ALLOWED TO GET OUT OF THE WORK AREA, REFER TO SHEET SUMMARY.
- 2 DISTURB GYPSUM WALL BOARD WITH ASBESTOS-CONTAINING JOINT COMPOUND ONLY AS NECESSARY TO COMPLETE THE WORK. THE GYPSUM WALL BOARD IS TYPICALLY LOCATED UNDERNEATH THE "PANEL 15" METAL COVERED PLYWOOD PANELING WHICH IS THE TYPICAL WALL FINISH ON WALLS THAT ARE NOT CONCRETE.
- 3 DISTURB ASSUMED ASBESTOS-CONTAINING "SACKING" OR SMOOTHING COMPOUND ASSUMED TO BE PRESENT ON THE EXPOSED, FINISHED CONCRETE WALL ONLY AS NECESSARY TO COMPLETE THE WORK.
- 4 REMOVE VINYL ASBESTOS TILE AND COMPLETELY REMOVE ACCOMPANYING ASBESTOS-CONTAINING MASTIC. REFER TO HATCHING WHICH DEPICTS THE AREAS OF THE BASE BID AND ADDITIVE ALTERNATE #1 WORK.
- 5 DISTURB ASBESTOS-CONTAINING EXTERIOR TEXTURED PAINT AS REQUIRED TO REMOVE AND RE-SET DOOR INTO EXISTING DOOR FRAME.

HAZARDS ABATEMENT - FIRST FLOOR

H1.0 FULL SIZE: 1/16" = 1'-0" HALF SIZE: 1/8" = 1'-0"

HAZARDS ABATEMENT - FIRST FLOOR

H1.01

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Anchorage School District

GENERAL CIVIL NOTES

- SITE WORK CONSTRUCTION MUST BE IN CONFORMANCE WITH THE MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (MASS), CURRENT EDITION.
- DIMENSIONS ARE SHOWN TO EDGE OF CONCRETE, FACE OF BUILDING, OR GRADE BREAK. ELEVATIONS ARE TO FINISHED GRADE. ELEVATIONS ARE TO FINISHED GRADE.
- SAWCUT AND DEMOLISH SIDEWALK AS INDICATED, TO NEAREST JOINT.
- PROVIDE CONTROLS TO LIMIT SEDIMENT DISCHARGE FROM SITE DURING CONSTRUCTION DUE TO SOIL EROSION. THESE CONTROLS MUST INCLUDE, BUT ARE NOT LIMITED TO, REGULAR SWEEPING OF PAVED STREETS ADJACENT TO THE SITE THAT ACCUMULATED SITE SOILS AND IMPLEMENTATION OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY ENTERPRISE ENGINEERING, INC. THE SWPPP IS A LIVING DOCUMENT AND MUST BE UPDATED AS NEEDED DURING CONSTRUCTION.
- HAUL ROUTES MUST BE THE SHORTEST, MOST DIRECT ROUTES TO MINIMIZE TRAVEL ON LOCAL AND COLLECTOR ROADWAYS AND MUST BE AS DELINEATED IN THE SWPPP.
 - ASSUMED HAUL ROUTE IS FROM AS&G TO THE SITE IS EAST ON O'MALLEY ROAD, NORTH ON NEW SEWARD HIGHWAY, RIGHT ON E NORTHERN LIGHTS BOULEVARD TO THE SITE.
 - THE ASSUMED HAUL ROUTE FROM THE SITE TO THE SAND LAKE DISPOSAL SITE IS WEST ON E NORTHERN LIGHTS BOULEVARD, SOUTH ON LAKE OTIS PARKWAY, WEST ON E DOWLING ROAD, SOUTH ON SAND LAKE ROAD TO THE DISPOSAL SITE.
- FOLLOW MOA REGULATIONS FOR NOISE, HOURS OF OPERATION, AND DUST CONTROL.
- RESTORE DISTURBED PROPERTY OUTSIDE OF WORK LIMITS TO ORIGINAL CONDITIONS.
- SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING IMPROVEMENTS OR USED TO DEEMPHASIZE PROPOSED IMPROVEMENTS.
- VERIFY MATCH EXISTING SPOT ELEVATIONS PRIOR TO CONSTRUCTION. NOTIFY CIVIL DESIGNER OF RECORD IF THERE ARE ANY SIGNIFICANT DISCREPANCIES.

PROPERTY AND SURVEY DATA

LEGAL:
EAST ANCHORAGE HIGH SCHOOL, PER PLAT 66-86, ANCHORAGE RECORDING DISTRICT.

VERTICAL CONTROL:
THIS PROJECT IS LOCATED WITHIN ALASKA STATE PLANE ZONE 4 NAD 83. THE VERTICAL DATUM IS NAVD88 COMPUTED USING GEOID12B. VERTICAL CONTROL WAS ESTABLISHED BY AN ON SITE LEVEL LOOP, SETTING THE EXISTING FINISH FLOOR ELEVATION TO 150.70'.

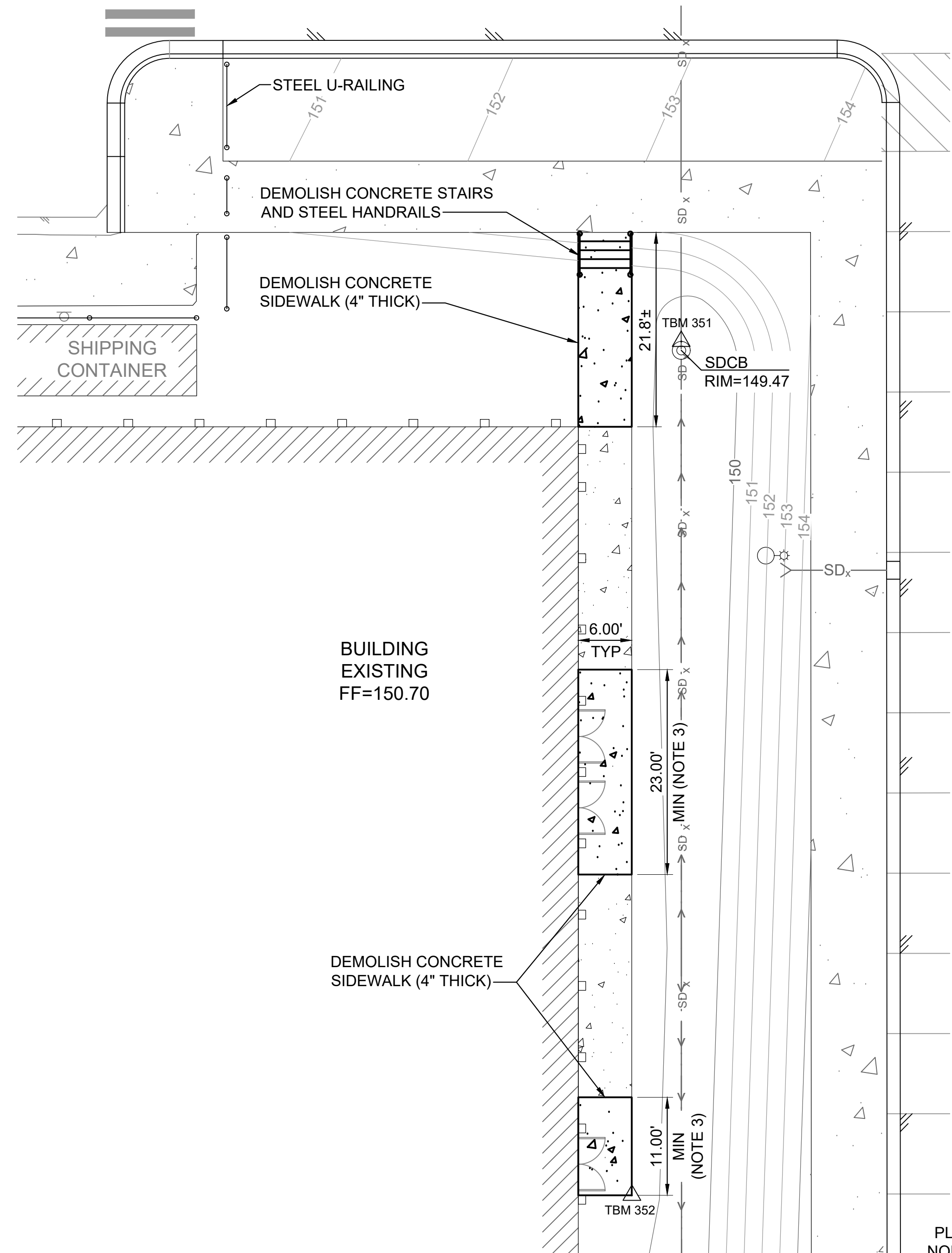
TBM 351:SDCB RIM (ELEVATION = 149.47')
TBM 352: SE CORNER OF CONCRETE SIDEWALK (ELEVATION = 150.59').
FIELD SURVEY: PERFORMED BY AKLANDS SURVEYING ON JUNE 15, 2024

LEGEND

EXISTING	NEW	DESCRIPTION
---	--- GB ---	GRADE BREAK
→---→	→---→	DRAINAGE SWALE
—SD x—		STORM DRAIN
—		EDGE OF ASPHALT
///		BUILDING
204		CONTOUR
□	□	CONCRETE
	124.77	SPOT ELEVATION
⊙		STORM DRAIN MANHOLE
⊙		SIGN
⊙		LIGHT POLE
⊙		TEMPORARY BENCHMARK
△		PLAN NORTH
⊙		GRID REFERENCE
A3		TITLE
		SCALE: 1" = 1'-0"
		DRAWING SCALE
		SCALE BAR

ABBREVIATIONS

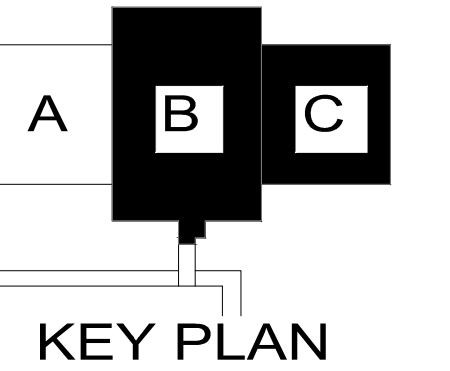
EJ	EXPANSION JOINT
FF	FINISH FLOOR
GB	GRADE BREAK
MASS	MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS
MIN	MINIMUM
ME	MATCH EXISTING
PCC	PORTLAND CEMENT CONCRETE
SDCB	STORM DRAIN CATCH BASIN
TBM	TEMPORARY BENCHMARK
'	FOOT
"	INCH
%	PERCENT
±	PLUS OR MINUS
#	NUMBER



1 EXISTING CONDITIONS AND DEMOLITION PLAN
SCALE: 1" = 10'

REVISIONS

No	Description	Date
	No Description	



EE!
ENTERPRISE ENGINEERING, INC.
3801 C STREET, SUITE 650
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TEL: (907) 563-3835
LICENSE #AECC0291



BDS, Inc. Entity #25796D
BDS
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BDEAHS MAIN GYM FLOOR REPLACEMENT

Anchorage, Alaska
BDS Project No.: 419004.003
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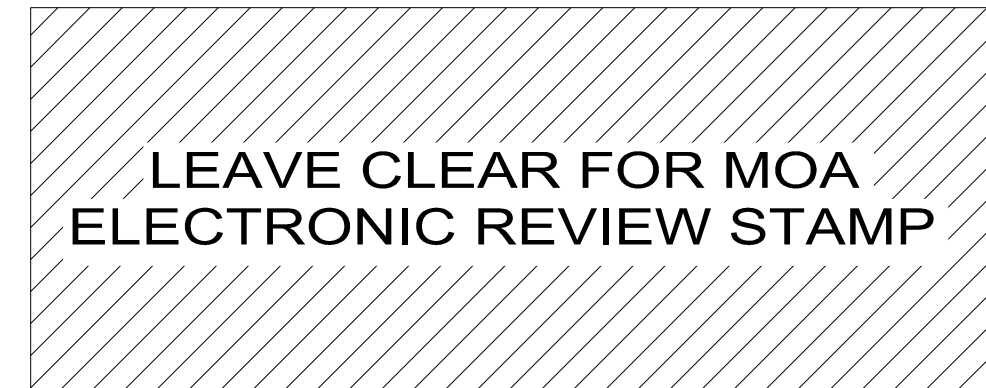
100% BID DOCUMENTS
FEBRUARY 7, 2025

CIVIL EXISTING CONDITIONS AND DEMO PLAN

C1.01

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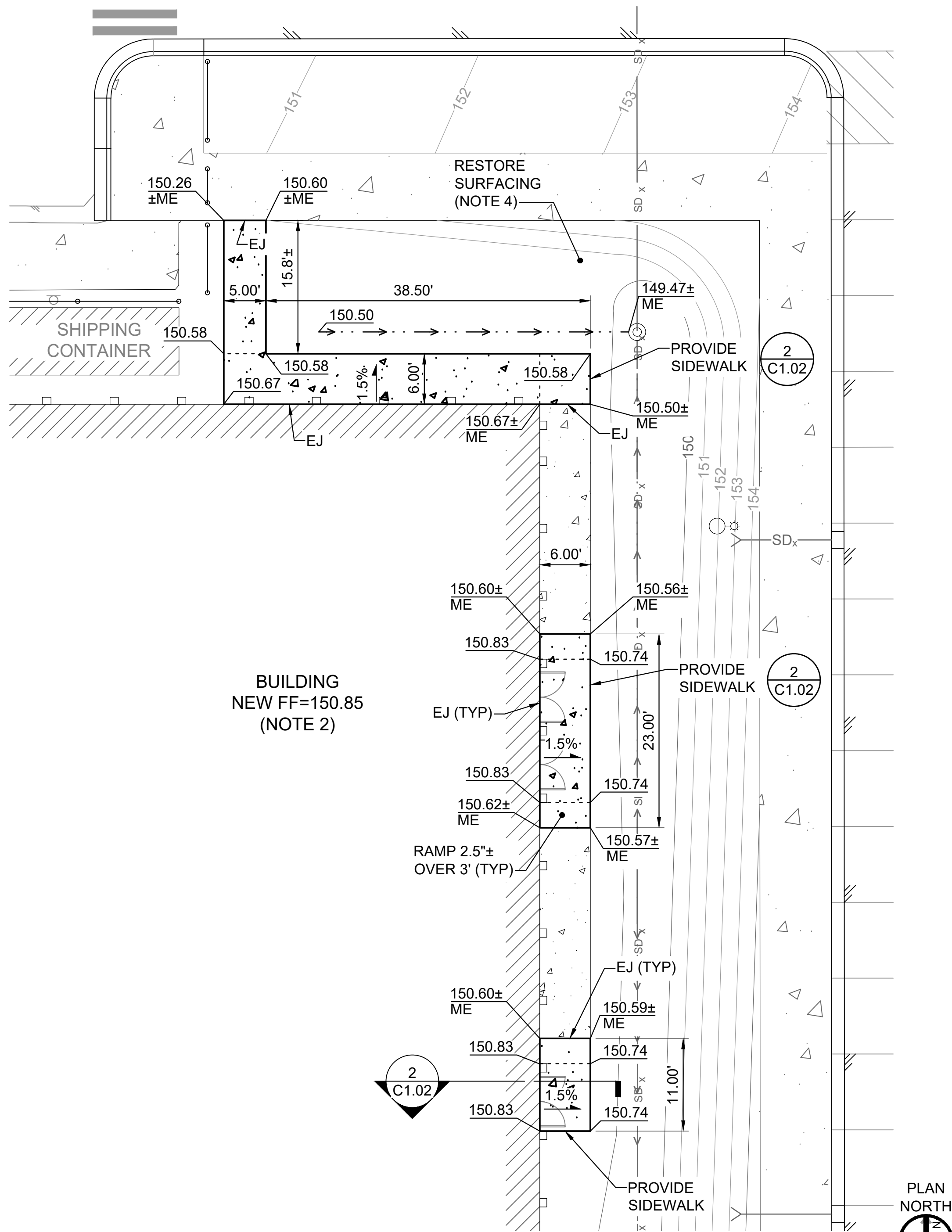
Anchorage School District

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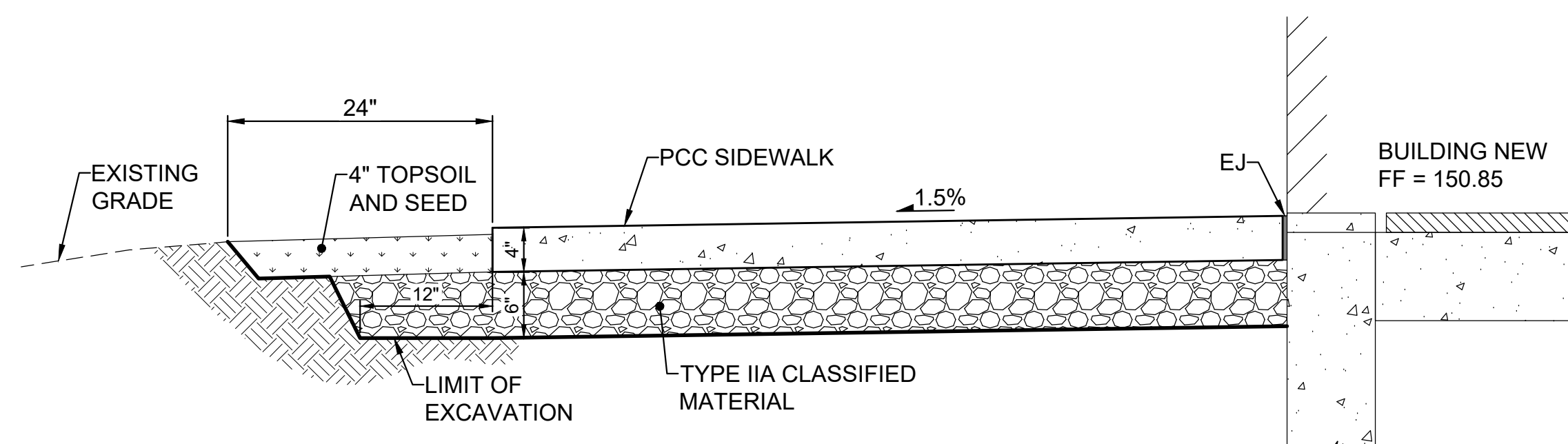
No	Description	Date

NOTES

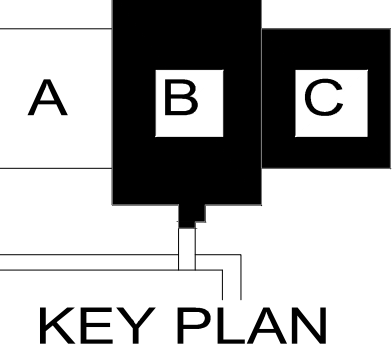
1. PROVIDE PCC SIDEWALK IN ACCORDANCE WITH MASS SECTION 30.03.
2. COORDINATE ELEVATION OF CONCRETE SIDEWALK AT DOORWAYS WITH FINAL FINISH FLOOR ELEVATION.
3. WHERE CONCRETE IS DEMOLISHED AND NOT REPLACED, PROVIDE 4" THICK TOPSOIL AND SEED TO RESTORE EXISTING GRASS SURFACING. GRADE TO MATCH EXISTING ELEVATIONS AND DRAINAGE PATTERNS.
4. TYPE IIA CLASSIFIED MATERIAL MUST BE PER MASS SECTION 20.21.
5. FILL MATERIAL MUST BE PLACED IN LIFTS NO THICKER THAN 12 INCHES, AND COMPACTED TO 95% MINIMUM DENSITY PER ASTM D1557. PROVIDE ONE TEST PER LIFT IN ACCORDANCE WITH ASTM D1556 OR D6983.



1 SIDEWALK PLAN
SCALE: 1" = 10'



2 TYPICAL SIDEWALK SECTION
SCALE: 1" = 1'-0"



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LICENSE #AEC00391



BDS, Inc. Entity #25796D

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BDEAHS MAIN
GYM FLOOR
REPLACEMENT

Anchorage, Alaska
BDS Project No.: 419004.003
ASD Project No.: 830720

100% BID DOCUMENTS
FEBRUARY 7, 2025

CIVIL SITE AND
GRADING PLAN

C1.02

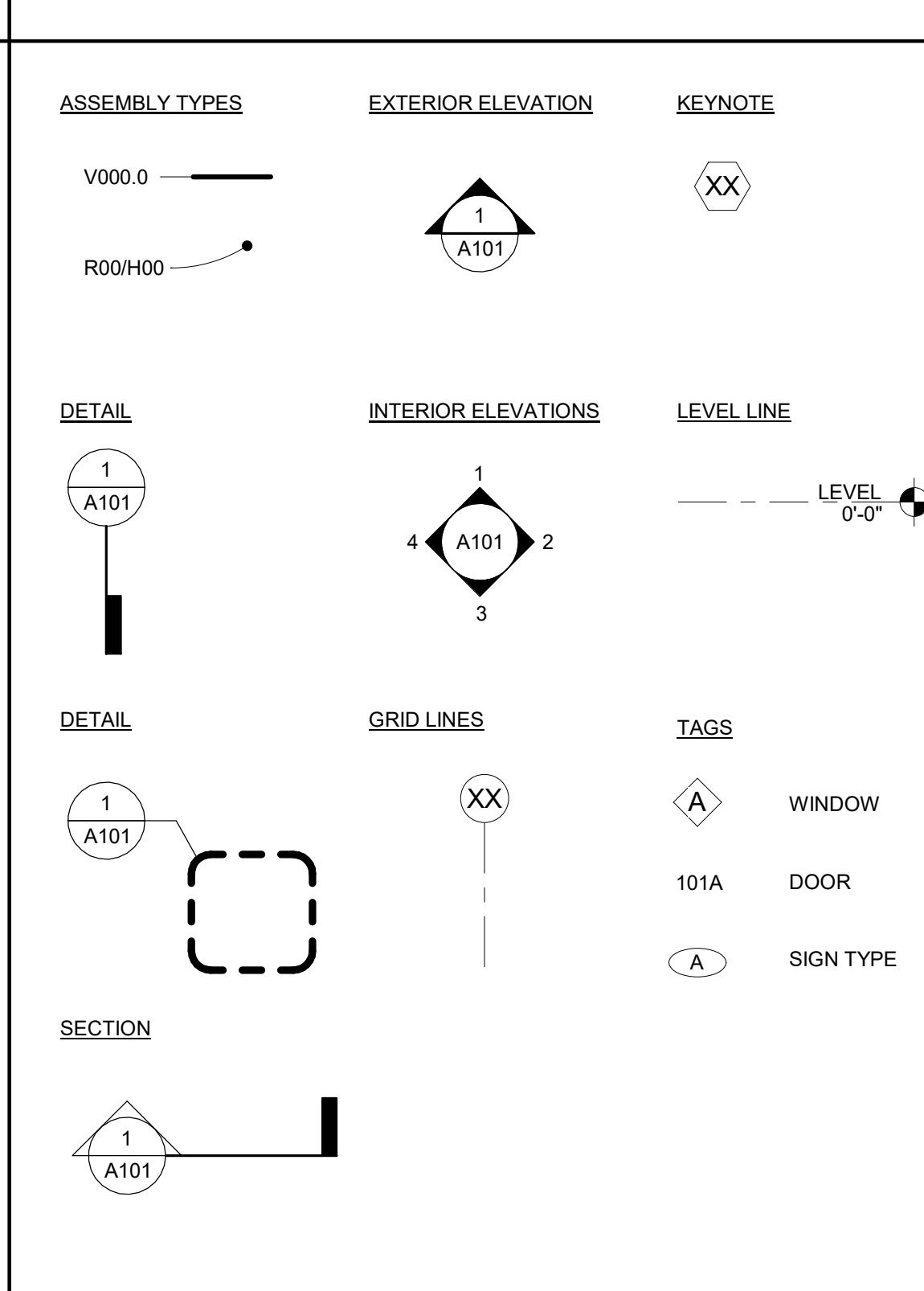
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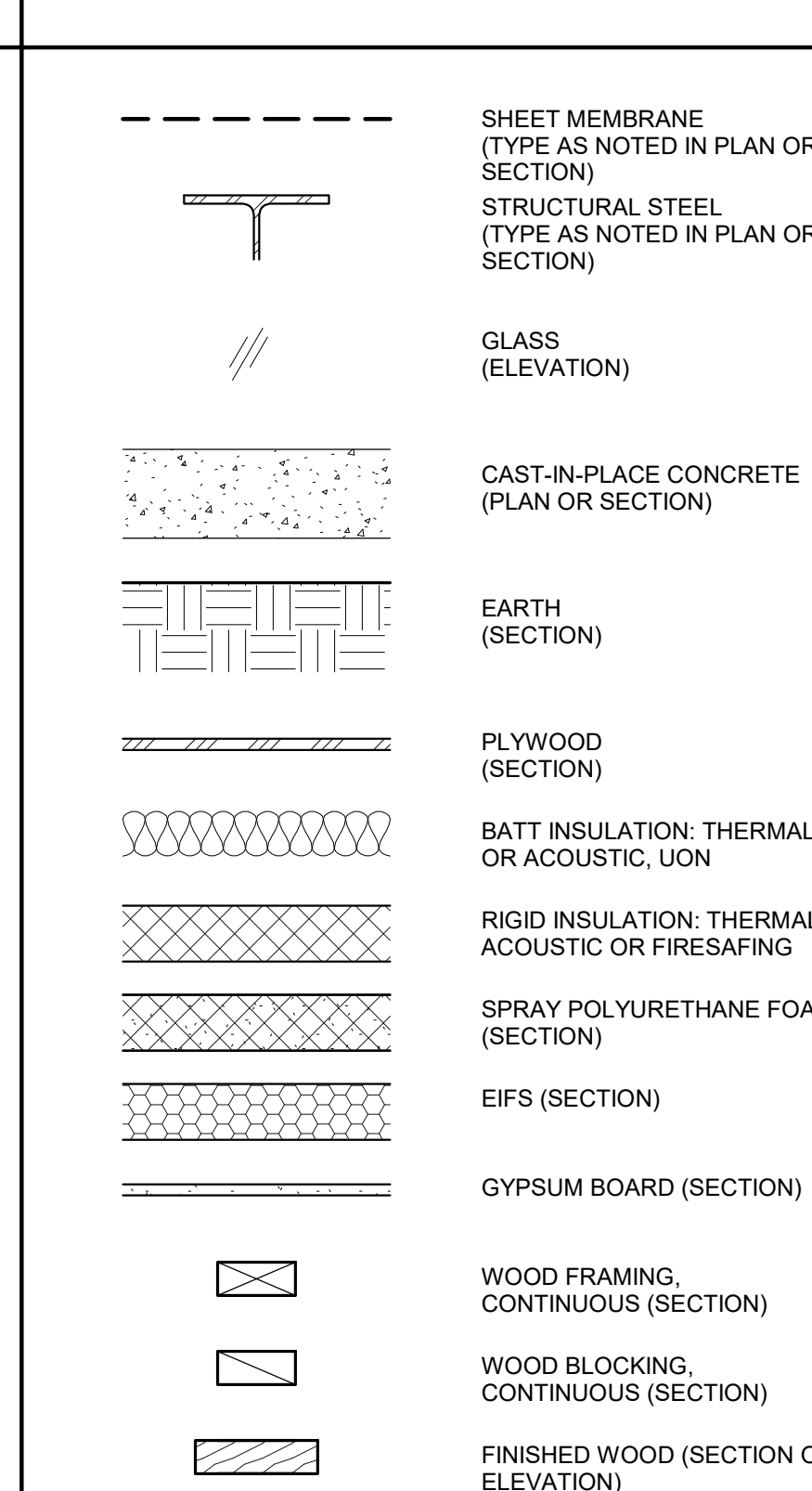
ARCHITECTURAL ABBREVIATIONS

# & @	NUMBER AND AT	H	HIGH	SA	SUPPLY AIR
AB	ANCHOR BOLT	HCP	HANDICAPPED	SAM	SELF ADHERING MEMBRANE
ABV	ABOVE	HDWR	HARDWARE	SBS	STYRENE- BUTADIENE-STYRENE
AC	AIR CONDITIONING	HM	HOLLOW METAL	SCHED	SCHEDULE
ACM	ASBESTOS CONTAINING MATERIALS	HORIZ	HORIZONTAL	SCD	SEAT COVER DISPENSER
ACOUS	ACOUSTICAL	HR	HOUR	SCP	SCUPPER
ACT	ACOUSTICAL CEILING TILE	HT	HEIGHT	SD	SMOKE DETECTOR / SOAP DISPENSER
ADD ALT	ADDITIVE ALTERNATE	HVAC	HEATING, VENTILATION AND AIR CONDITIONING	SEBS	SECTION
ADDL	ADDITIONAL	IBC	INTERNATIONAL BUILDING CODE	SECT	SECTION
ADJ	ADJACENT	IFC	INTERNATIONAL FIRE CODE	SF	SQUARE FEET
AF	ABOVE FINISH FLOOR	IHM	INSULATED HOLLOW METAL	SHR	SHOWER
ALT	ALTERNATE	IN	INCH	SHT	SHEET
ALUM	ALUMINUM	INCL	INCLUDED	SIP	STRUCTURAL INSULATED PANEL
ANOD	ANODIZED	INFO	INFORMATION	SM	SHEET METAL
APPROX	APPROXIMATE	INSUL	INSULATION	SND	SANITARY NAPKIN DISPENSER
ARCH	ARCHITECTURAL	INT	INTERIOR	STDU	SANITARY NAPKIN DISPOSAL UNIT
AWW	ALL WEATHER WOOD	J-BOX	JUNCTION BOX	SPEC	SPECIFICATION
		JT	JOINT	SPKLR	SPRINKLER
BB	BASE BID	JD	KNOCK DOWN	SPKR	SPEAKER
BD	BOARD	KIT	KITCHEN	SPF	SPRAY POLYURETHANE FOAM
BKBD	BACK BOARD	KD	KNOCK DOWN	SQ	SQUARE
BLDG	BUILDING	KT	KITCHEN	SS	STAINLESS STEEL
BLKG	BLOCKING	L	LENGTH	STD	STANDARD
BM	BEAM	LAM	LIQUID APPLIED MEMBRANE	STL	STEEL
BO	BOTTOM OF	LAV	LAVATORY	STOR	STORAGE
BOD	BOTTOM OF DECK	LB	POUND	STRUC	STRUCTURAL
BR	BEDROOM	LB/SF	POUND PER SQUARE FOOT	STRUC	STRUCTURAL
BSMAT	BUSMINT	LF	LINEAR FOOT	SVF	SHEET VINYL FLOORING
BTWN	BETWEEN	LG	LIGHT GUARD INSULATION BOARD	T&G	TONGUE AND GROOVE
BUR	BUILT UP ROOFING (ASPHALT)	LR	LIVING ROOM	TB	TACK BOARD
		LVR	LOUVER	TBD	TO BE DETERMINED
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	LVT	LUXURY VINYL TILE	TEMP	TEMPORARY
CG	CORNER GUARD	MAX	MAXIMUM	THRES	THRESHOLD
CJ	CONTROL JOINT	MBR	MEMBRANE	THRU	THROUGH
CL	CENTER LINE	MECH	MECHANICAL	THK	THICKNESS
CLO	CLOSET	MEZZ	MEZZANINE	TLT	TOILET
CLR	CLEAR	MFR	MANUFACTURER	TO	TOP OF
CLG	CEILING	MIL	MILLIMETER	TOC	TOP OF CONCRETE
CMP	CORRUGATED METAL PIPE	MIN	MINIMUM	TOD	TOP OF DECK
CMU	CONCRETE MASONRY UNIT	MISC	MISCELLANEOUS	TOFF	TOP OF FINISHED FLOOR
COL	COLUMN	MO	MASONRY OPENING	TOM	TOP OF MASONRY
CONC	CONCRETE	MIR	MOISTURE RESISTANT	TOP	TOP OF PARAPET
CONST	CONSTRUCTION	MTD	MOUNTED	TOS	TOP OF SLAB
CONT	CONTINUOUS	MTL	METAL	TOW	TOP OF WALL
CONTR	CONTRACTOR	(N)	NEW	TPD	TOILET PAPER DISPENSER
COORD	COORDINATE	N/A	NOT APPLICABLE	TPH	TOILET PAPER HOLDER
CORR	CORRIDOR	NFS	NON FROST SUSCEPTIBLE	TSTAT	THERMOSTAT
CPT	CARPET	NIC	NOT IN CONTRACT	TV	TELEVISION
CSK	COUNTERSINK	NOM	NOMINAL	TYP	TYPICAL
CT	CERAMIC TILE	NRCA	NATIONAL ROOFING CONTRACTOR'S ASSOCIATION	UH	UNIT HEATER
CTR	CENTER	NTS	NOT TO SCALE	UL	UNDERWRITERS LABORATORY UNLESS OTHERWISE NOTED
CUH	CABINET UNIT HEATER	OC	ON CENTER	UON	UNLESS OTHERWISE NOTED
D	DEEP / DEPTH	OD	OUTSIDE DIAMETER	VCT	VINYL COMPOSITION TILE
DBL	DOUBLE	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED	VERT	VERTICAL
DEG	DEGREE	OFOI	OWNER FURNISHED, OWNER INSTALLED	VEST	VESTIBULE
DEMO	DEMOLISH / DEMOLITION	OFS	OVERFLOW SCUPPER	VIF	VERIFY IN FIELD
DEPT	DEPARTMENT	OH	OVERHEAD	VR	VAPOR RETARDER
DF	DRINKING FOUNTAIN	OPN'G	OPENING	VTR	VENT THROUGH ROOF
DIA	DIAMETER	OPP	OPPOSITE	W	WIDE
DIAG	DIAGONAL	OSB	ORIENTED STRAND BOARD	W/	WITH
DIM	DIMENSION	ORD	OVERFLOW ROOF DRAIN	W/O	WITHOUT
DISP	DISPENSER	OVHD	OVER HEAD	WD	WOOD
DN	DOWN	OZ	OUNCE	WDW	WINDOW
DR	DOOR	P	PAINT	WH	WATER HEATER
DS	DOWNSPOUT	PA	PUBLIC ADDRESS	WWF	WELDED WIRE FABRIC
DTL	DETAIL	PERIM	PERIMETER	XPS	EXTRUDED POLYSTYRENE
DW	DISHWASHER	PH	PENTHOUSE		
DWG	DRAWING	PLAM	PLASTIC LAMINATE		
(E)	EXISTING	PLYWD	PLYWOOD		
EA	EACH	PNL	PANEL		
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	POLY	POLYETHYLENE SHEET		
EJ	EXPANSION JOINT	POLYISO	POLYISOCYANURATE INSULATION		
ELEC	ELECTRICAL	PR	PAIR		
ELEV	ELEVATION	PREFAB	PREFABRICATE		
EPDM	ETHYLENE PROPYLENE DIENE MONOMER	PROP	PROPERTY		
EPS	EXPANDED POLYSTYRENE INSULATION	PSF	POUNDS PER SQUARE FOOT		
EQ	EQUAL	PT	PRESERVATIVE TREATED		
EQUIP	EQUIPMENT	PTD	PAINTED / PAPER TOWEL DISPENSER		
ETR	ELECTRICAL THROUGH ROOF	PTDR	PAPER TOWEL DISPENSER AND WASTE RECEPTACLE		
EXIST	EXISTING	PTR	PENETRATION THROUGH ROOF		
F	FAHRENHEIT	PVC	POLYVINYL CHLORIDE		
FD	FLOOR DRAIN	R	RADIUS		
FE	FIRE EXTINGUISHER	RA	RETURN AIR		
FEC	FIRE EXTINGUISHER CABINET	RCP	REFLECTED CEILING PLAN		
FF	FINISHED FLOOR	RD	ROOF DRAIN		
FF&E	FURNITURE, FIXTURES AND EQUIPMENT	REIN	REINFORCE		
FIN	FINISH	RESIL	RESILIENT		
FIXT	FIXTURE	REST	REST ROOM		
FLR	FLOOR	REQ'D	REQUIRED		
FOP	FACE OF FINISH	RL	RAIN LEADER		
FOM	FACE OF MASONRY	RM	ROOM		
FOS	FACE OF STUD	RO	ROUGH OPENING		
FOC	FACE OF CONCRETE	REF	REFERENCE		
FRM'G	FRAMING	REFRIG	REFRIGERATOR		
FRP	FIBERGLASS REINFORCED PLASTIC				
FRT	FIRE RETARDANT TREATED				
FT	FEET				
FTG	FOOTING				
GA	GAUGE				
GALV	GALVANIZED				
GLB	GLUE LAMINATED BEAM				
GWB	GYPSUM WALL BOARD				
GYP	GYPSUM BOARD				

REFERENCE SYMBOLS



MATERIAL SYMBOLS



GENERAL NOTES

- THESE DRAWINGS WERE PREPARED FROM AS-BUILT DOCUMENTS PROVIDED BY THE ANCHORAGE SCHOOL DISTRICT. ACTUAL FIELD CONDITIONS MAY DEVIATE FROM THESE DRAWINGS.
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS OF EXISTING CONSTRUCTION IMPACTED BY THE WORK.
- DIMENSIONAL HIERARCHY:
 - AS SPECIFICALLY NOTES
 - BUILDING GRIDLINES
 - FACE OF STUDS
 - FACE OF CONCRETE/MASONRY
 - FACE OF FINISH MATERIALS
- ALL PARTITIONS ARE FULL HEIGHT UNLESS NOTED OTHERWISE
- CONTRACTOR TO LABEL ALL RATED CONSTRUCTION IN ACCORDANCE WITH IBC 2018 SECTION 703.6

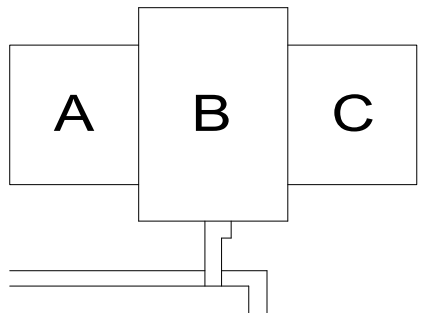


Anchorage School District

REVISIONS

No Description Date

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-
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-
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KEY PLAN



BDS, Inc. Entity #25796D



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BDEAHS MAIN GYM FLOOR REPLACEMENT

Anchorage, Alaska

BDS Project No.: 419004.003

ASD Project No.: 830720

100% BID DOCUMENTS
 FEBRUARY 7, 2025

ABBREVIATIONS AND SYMBOLS A0.01

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DOOR SCHEDULE

Door Number	Width	Height	Thickness	DOOR		FRAME		Fire Rating	Remarks	Hardware Group	DETAILS		
				Type	Material	Type	Material				Head	Jamb	Sill
PEL126	3' - 0"	6' - 8"	1 3/4"	F1	HM		(E) HM		NEW DOOR TO BE FIT INTO EXISTING FRAME. EXISTING HARDWARE TO BE INSTALLED IN NEW DOOR	EXIST			SIM 2/A7.01
PEL129-1	6' - 0"	6' - 8"	1 3/4"	F2	IHM		(E) IHM		NEW DOOR TO BE FIT INTO EXISTING FRAME. EXISTING HARDWARE TO BE INSTALLED IN NEW DOOR	EXIST			2/A7.01
PEL129-2	6' - 0"	6' - 8"	1 3/4"	F2	IHM		(E) IHM		NEW DOOR TO BE FIT INTO EXISTING FRAME. EXISTING HARDWARE TO BE INSTALLED IN NEW DOOR	EXIST			2/A7.01
PEL129-3	6' - 0"	6' - 8"	1 3/4"	F2	IHM		(E) IHM		NEW DOOR TO BE FIT INTO EXISTING FRAME. EXISTING HARDWARE TO BE INSTALLED IN NEW DOOR	EXIST			2/A7.01

DOOR NOTES

- NEW DOORS TO BE FIT INTO EXISTING FRAME, AND FIT WITH EXISTING HARDWARE RETAINED FROM PREVIOUS DOOR. MODIFY NEW DOOR AS SHOWN

DOOR SCHEDULE ABBREVIATIONS

EXIST EXISTING
 (E) HM EXISTING HOLLOW METAL
 (E) IHM EXISTING INSULATED HOLLOW METAL
 HM HOLLOW METAL
 IHM INSULATED HOLLOW METAL

ROOM FINISH SCHEDULE

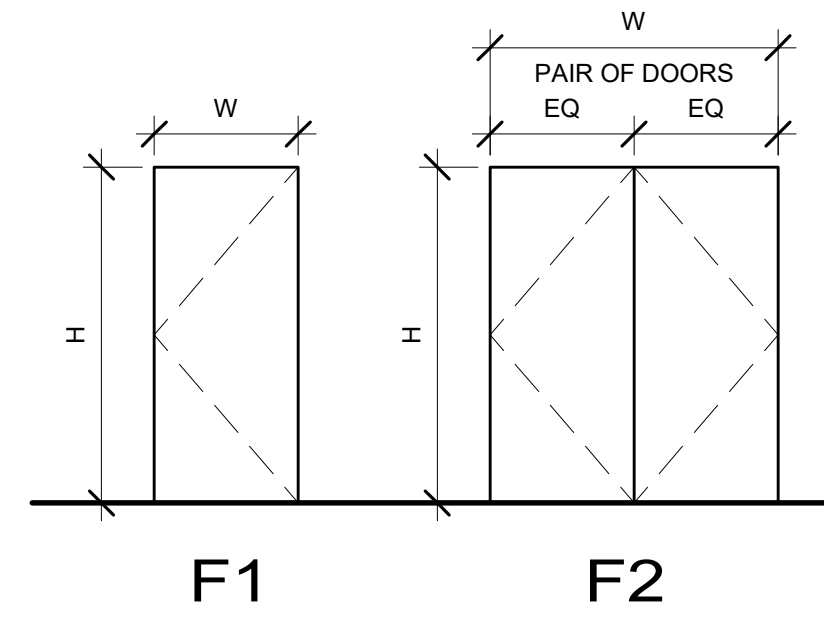
Room Number	Room Name	Floor Finish	Base	WALLS				Ceiling	Remarks
				North	East	South	West		
PEL117	COMMONS	LVT-1	RB-1	PT-1	PT-1/CWP-1	PT-1	PT-1	EXIST	ADD ALT 1 WORK
PEL126	ELEC	SC-1	--	EXIST	EXIST	EXIST	EXIST	EXIST	
PEL129	MAIN GYMNASIUM	WD-1	RB-1	PT-1	PT-1	PT-1	PT-1	EXIST	
PEL117A	VESTIBULE	WOC-1	RB-1	PT-1	PT-1	PT-1	PT-1	EXIST	ADD ALT 1 WORK
PEL117B	VESTIBULE	WOC-1	RB-1	PT-1	PT-1	PT-1	PT-1	EXIST	ADD ALT 1 WORK
PEL127A	HALLWAY	VT-1	RB-1	PT-1	PT-1	PT-1	PT-1	EXIST	
PEL127B	HALLWAY	VT-1	RB-1	PT-1	PT-1	PT-1	PT-1	EXIST	

ROOM FINISH NOTES

- NOTE GOES HERE

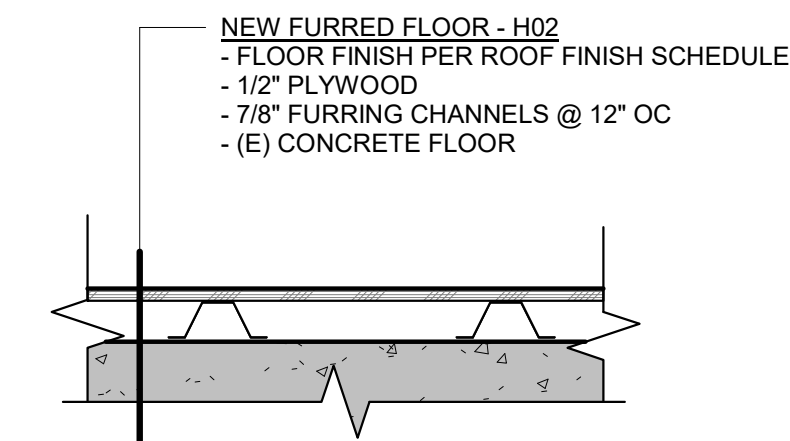
COLOR AND MATERIAL LEGEND

	CODE	SPEC. NO.	MATERIAL	MANUFACTURER, BASIS OF DESIGN	COLOR / FINISH	REMARKS
INTERIOR FLOOR	WOC-1	09 68 13	WALK OFF CARPET	TANDUS CENTIVA	CHROMIUM	ADD ALT 1
	LVT-1	09 65 00	VINYL TILE FLOORING	GERFLOOR: CREATION GUIDEPOINT LVT	SESAME, 1015	FIELD - BASE BID AND ADD ALT 1
	LVT-2	09 65 00	VINYL TILE FLOORING	GERFLOOR: CREATION GUIDEPOINT LVT	NIGELLA, 1005	ACCENT - ADD ALT 1
	LVT-3	09 65 00	VINYL TILE FLOORING	GERFLOOR: CREATION GUIDEPOINT LVT	SMOKED PAPRIKA, 1003	ACCENT - ADD ALT 1
	WD-1	09 64 66	WOOD ATHLETIC FLOORING	ROBBINES SPORTWOOD ULTRA STAR	MAPLE	SEE A1.02 FOR FLOOR GRAPHICS
	BASE	RB-1	09 65 00	RUBBER BASE	TARKETT	TA6 BEDROCK
WALL	CWP-1	06 40 10	COMPOSITE WALL PANEL	STONEWOOD	SHADWELL OAK	1/8" THICK, GLUE UP. ADD ALT 1
	PT-1	09 90 00	INTERIOR PAINT	SHERWIN WILLIAMS	SNOWBOUND, SW 7004	FIELD PAINT
	PT-2	09 90 00	INTERIOR PAINT	SHERWIN WILLIAMS	STOP, SW 6869	DOOR AND FRAMES
	PT-3	09 90 00	INTERIOR PAINT	SHERWIN WILLIAMS	---	ACCENT TO MATCH EXISTING OVERHEAD ROLLING DOOR AT HALLWAY PEL127A
	WP-1	09 90 00	WALL PADS	DRAPER	RED	
CEILING						
MISC	DC-1	10 12 00	RECESSED DISPLAY CASE	AARCO PRODUCTS; MODEL #10-2000, 16" DEEP	BACK PANEL: FORBO BULLETIN BOARD, COLOR 2162 DUCK EGG TOP, BOTTOM, SIDE PANELS: WILSONART LAMIANTE, COLOR 10745-60 FONTHILL PEAR	SEE A6.01 FOR DIMENSIONS
	---	---	ADHESIVE VINYL GRAPHIC	3M SCOTCHAL GRAPHIC FILM 100 "ELECTROCUT"	---	SEE A6.01 FOR MORE INFO
	---	---	TELESCOPIC GYMNASIUM SEATING	HUSSEY	SEAT COLORS: RED AND BLUE PLYWOOD DECK COLOR: STANDARD CLEAR COAT FINISH	OFIC
		11 66 23	GYM DIVIDING CURTAIN	DRAPER	BLUE	ADD ALT 2



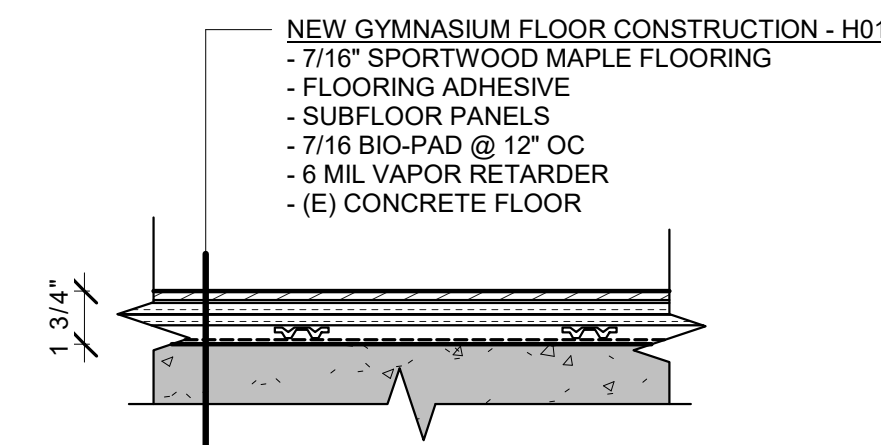
DOOR TYPES

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



2 HALLWAY FLOOR ASSEMBLY - H02

A0.02 SCALE: 1 1/2" = 1'-0"



1 GYM FLOOR ASSEMBLY - H01

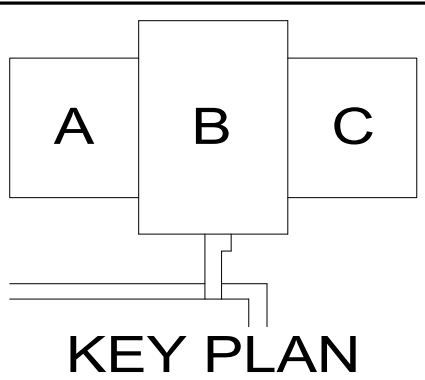
A0.02 SCALE: 1 1/2" = 1'-0"



Anchorage School District

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No Description Date



BDS, Inc. Entity #25796D



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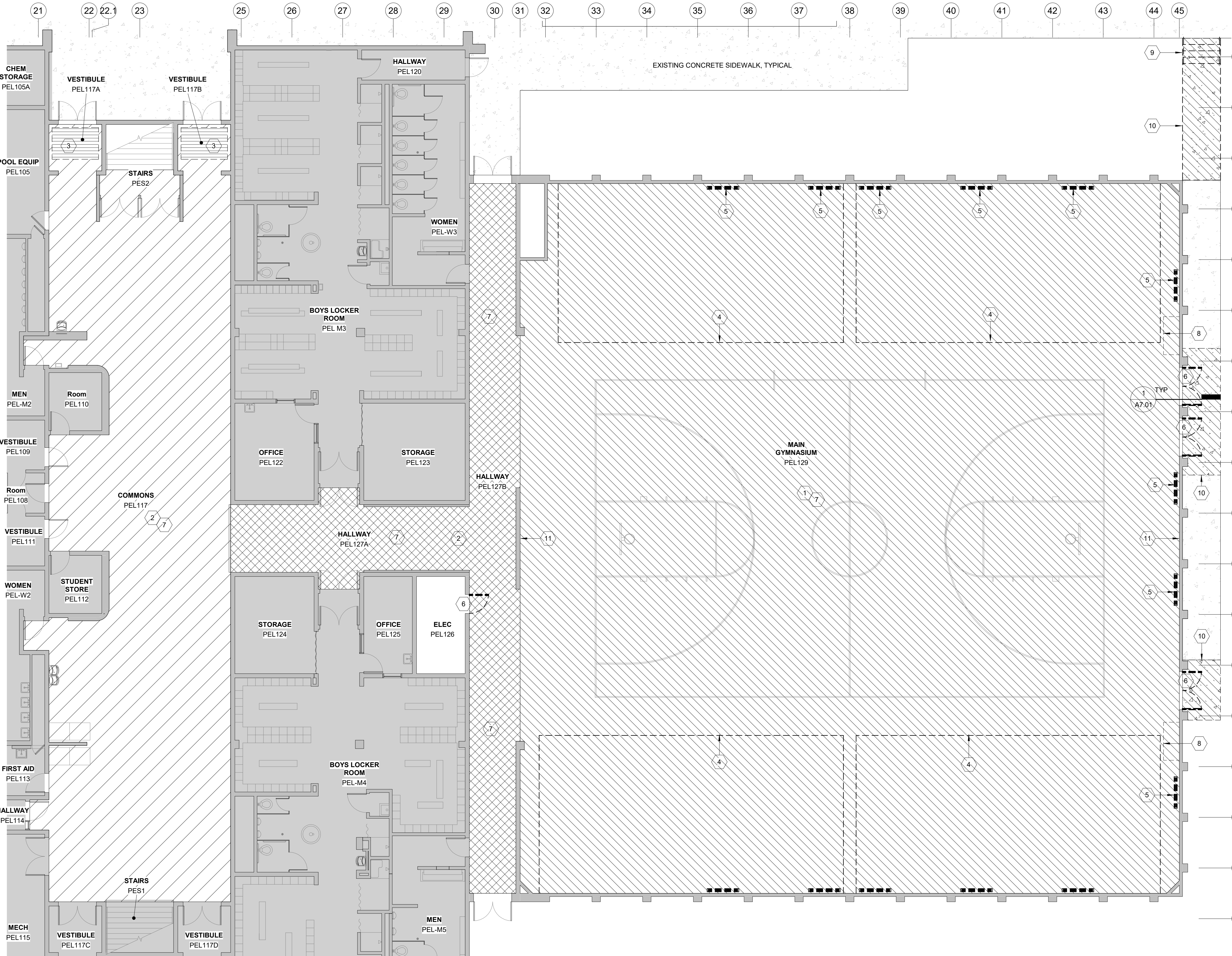
BDEAHS MAIN GYM FLOOR REPLACEMENT

Anchorage, Alaska
 BDS Project No.: 419004.003
 ASD Project No.: 830720
 100% BID DOCUMENTS
 FEBRUARY 7, 2025

ASSEMBLIES AND SCHEDULES A0.02

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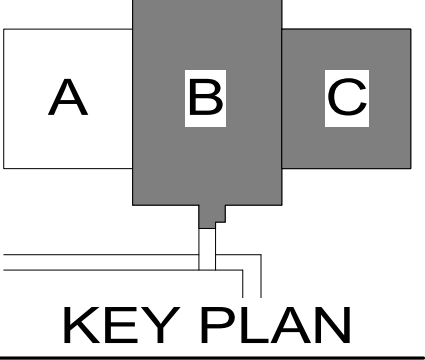


DEMO PLAN LEGEND

- EXISTING DOOR TO RECEIVE WORK; REFER TO KEYNOTE
- EXISTING DOOR TO REMAIN
- EXISTING WALL CONSTRUCTION TO BE DEMOLISHED
- EXISTING WALL CONSTRUCTION TO REMAIN
- EXTENT OF EXISTING RUBBER GYM FLOOR TO BE DEMOLISHED
- EXTENT OF VCT FLOOR TO BE DEMOLISHED
- ADD ALT 1:** EXTENT OF EXISTING VCT FLOOR TO BE DEMOLISHED

NOTES

1. NOTE.



KEYNOTES

NUMBER	KEYNOTE
1	DEMOLISH EXISTING RUBBER SPORTS FLOORING AND ASSOCIATED COMPONENTS DOWN TO SUBSTRATE INCLUDING ADJACENT WALL BASE; SEE HAZ MAT SERIES FOR ADDITIONAL INFORMATION. PREP FOR NEW WORK AND FLOORING.
2	DEMOLISH EXISTING VCT FLOORING DOWN TO SUBSTRATE INCLUDING ADJACENT WALL BASE; SEE HAZ MAT SERIES FOR ADDITIONAL INFORMATION. PREP FOR NEW WORK AND FLOORING.
3	DEMOLISH EXISTING RECESSED ENTRY MAT SYSTEM COMPLETELY. INFILL AND PREP FOR NEW FLOORING. SEE DETAIL 7/A7.01
4	DEMOLISH EXISTING TELESCOPIC BLEACHER SYSTEM COMPLETELY INCLUDING ASSOCIATED COMPONENTS.
5	REMOVE EXISTING FLOOR GRILLE AND INFILL PER DETAIL 7/A7.05; PREP FOR NEW FLOOR FINISH
6	DEMOLISH DOOR. REMOVE ALL HARDWARE FOR INSTALLATION IN NEW DOOR. FRAME TO REMAIN.
7	CLEAN AND PREP ALL WALLS THIS ROOM FOR NEW PAINT EXISTING ABOVE FLOOR DUCT CHASE OUTLINE; SEE A4.01 FOR EXTENT OF WALL DEMO. REMOVE EXISTING GRILLE AND PREP FOR NEW GRILLE
9	DEMOLISH CONCRETE STEPS AND STEEL HANDRAIL PER CIVIL; SEE C-101
10	DEMOLISH CONCRETE SIDEWALK PER CIVIL; SEE C-101
11	REMOVE EXISTING GYM WALL PADS AND RETURN TO OWNER



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BDS Project No.: 419004.003
ASD Project No.: 830720

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FEBRUARY 7, 2025

DEMO FLOOR PLAN - LEVEL 0 - GYM AND COMMONS AD1.01

1 DEMO FLOOR PLAN - LEVEL 0 - GYM AND COMMONS
AD1.01 SCALE: 1/8" = 1'-0"

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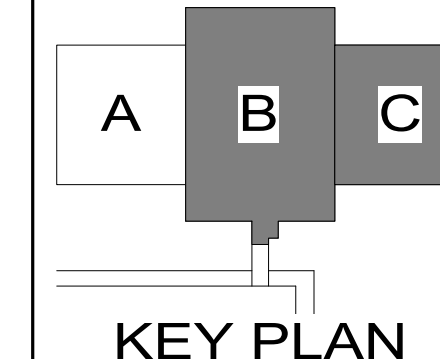
Anchorage School District

REVISIONS

No Description Date

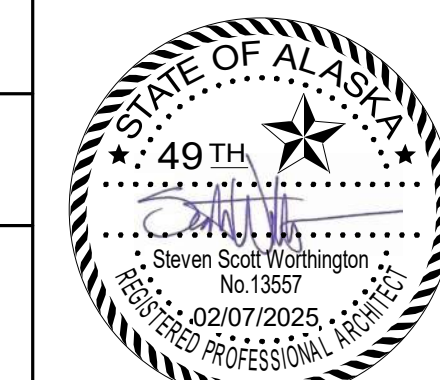
NOTES

1. ALL BANNERS IN GYM TO BE REMOVED PRIOR TO COMMENCEMENT OF WORK. COORDINATE WITH OWNER PRIOR TO REMOVAL AND STORAGE.
2. SCORE BOARDS TO REMAIN. COVER AND PROTECT AS REQUIRED.



KEYNOTES

NUMBER	KEYNOTE
1	DEMOLISH EXISTING RUBBER SPORTS FLOORING AND ASSOCIATED COMPONENTS DOWN TO SUBSTRATE INCLUDING ADJACENT WALL BASE. SEE HAZ MAT SERIES FOR ADDITIONAL INFORMATION. PREP FOR NEW WORK AND FLOORING.
11	REMOVE EXISTING GYM WALL PADS AND RETURN TO OWNER
12	DEMOLISH RETRACTABLE BASKETBALL HOOPS. REPLACE IN KIND WITH NEW RETRACTABLE BASKETBALL HOOPS. ADJUSTED PER NEW FLOOR HEIGHT. ADD ALT #4.
109	PAINT EXISTING DOOR AND FRAME PT-2
112	EXISTING VOLLEYBALL SLEEVES TO BE RE-USED. SEE DETAIL 1/A7.02



BDS, Inc. Entity #25796D



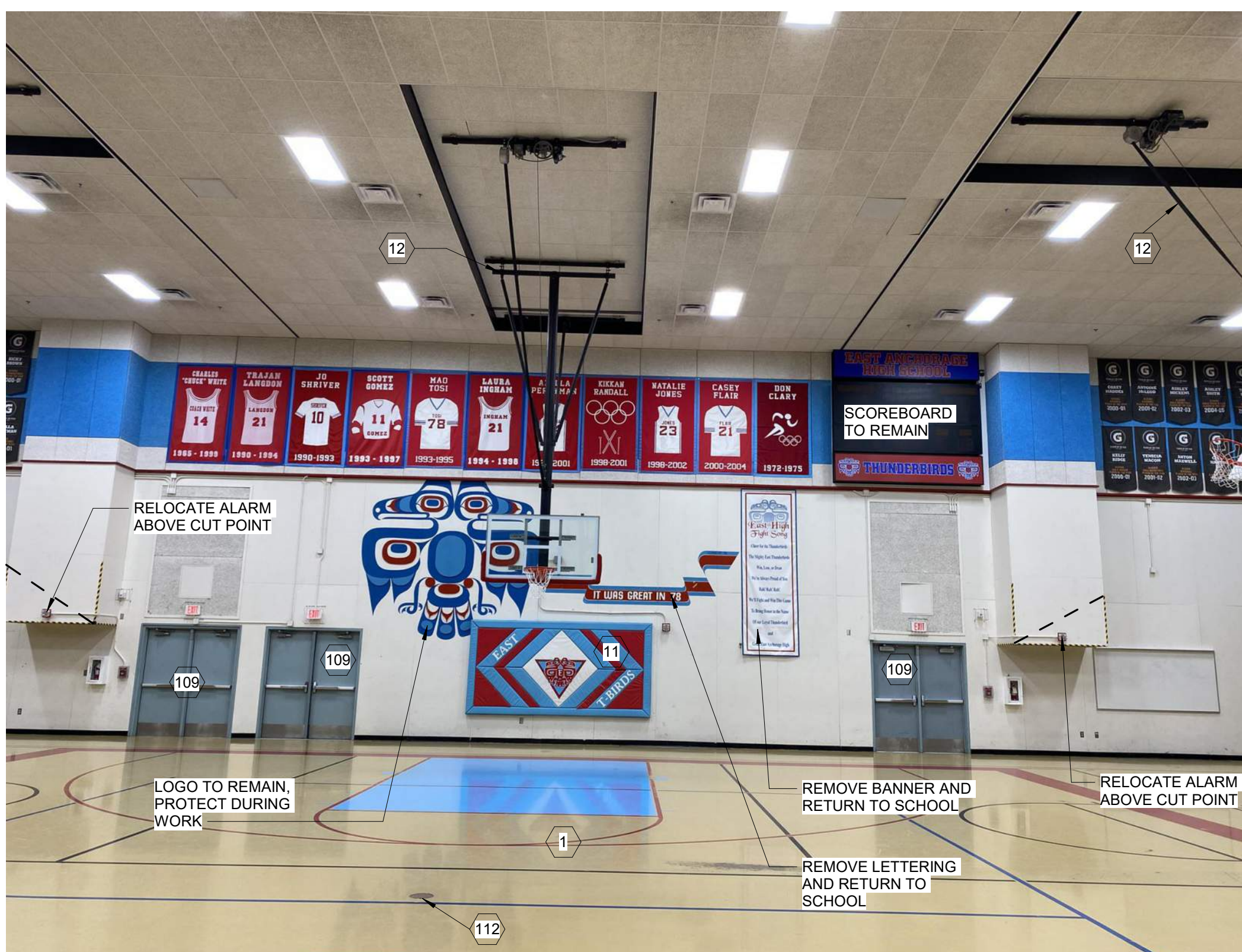
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Anchorage, Alaska

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FEBRUARY 7, 2025

DEMOLITION PHOTOS
AD1.02

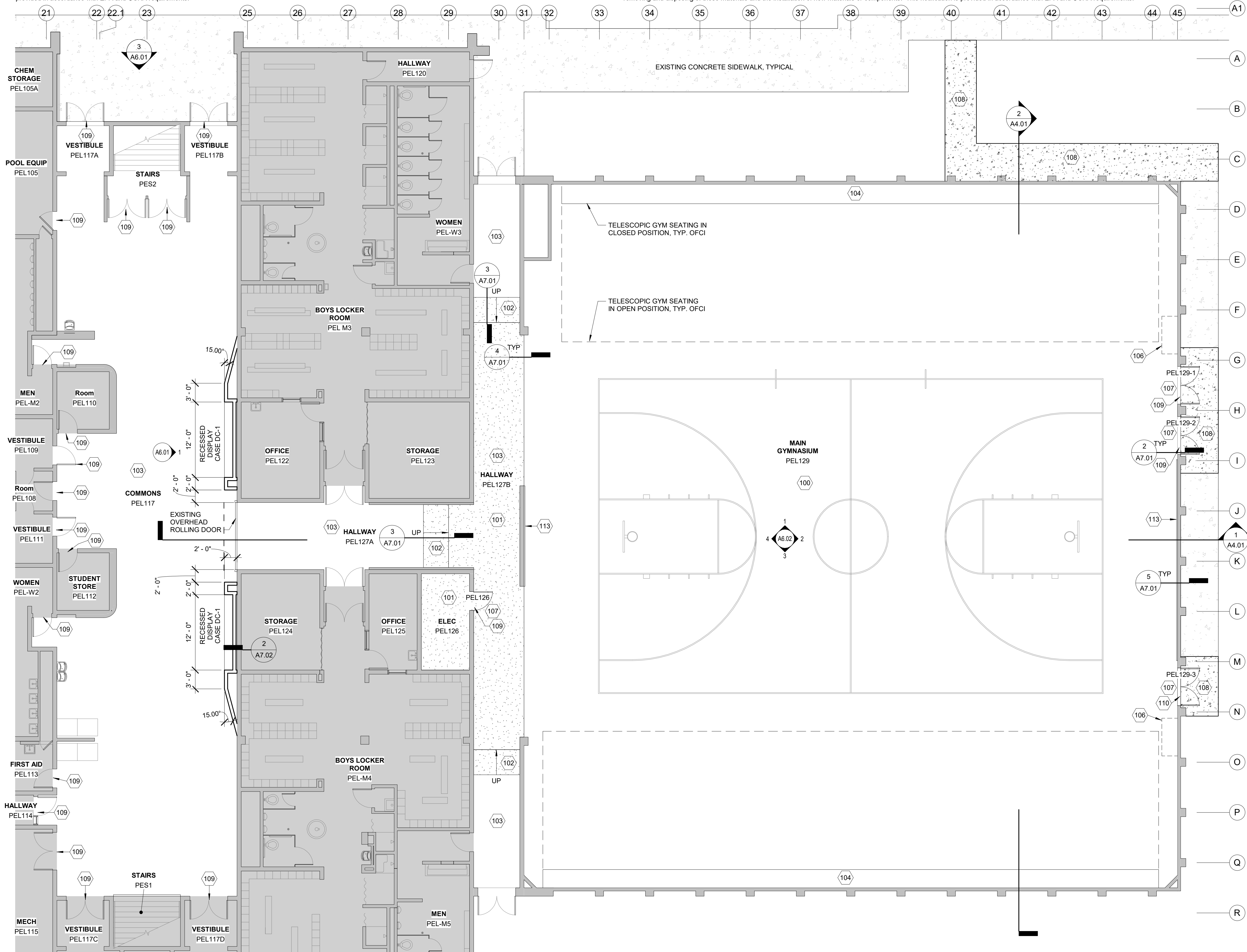


2 DEMOLITION PHOTO - MAIN GYMNASIUM PEL 129 - WEST
AD1.02 SCALE: 1 1/2" = 1'-0"

1 DEMOLITION PHOTO - MAIN GYMNASIUM PEL 129 - EAST
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PLAN LEGEND

NOTES

- SEE A1.02 FOR GYMNASIUM GAME STRIPING
- SEE A0.02 FOR SCHEDULES AND COLOR AND MATERIAL LEGEND
- INSTALLATION OF NEW BLEACHERS IS OFCI.

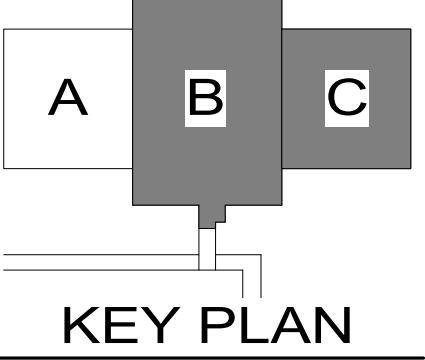
KEYNOTES

NUMBER	KEYNOTE
100	PROVIDE NEW WOOD ATHLETIC FLOORING AT MAIN GYMNASIUM; SEE A1.02 FOR GAME STRIPING PLAN
101	RAISE FLOOR SUBSTRATE TO ALIGN WITH NEW WOOD ATHLETIC FLOORING (APPROXIMATELY 2") IN HATCHED AREA
102	RAMP NEW FLOOR LEVEL TO EXISTING FLOOR LEVEL AT A MAXIMUM OF 1:20. SEE ASSEMBLY H02
103	PROVIDE NEW FLOORING AND WALL BASE IN THIS ROOM PER ROOM FINISH SCHEDULE
104	TELESCOPIC GYMNASIUM SEATING - OFCI
106	EXISTING ABOVE FLOOR DUCT CHASE OUTLINE; SEE A4.01 FOR NEW PROFILE; PATCH AND REPAIR AS REQUIRED; PAINT AND PROVIDE NEW VANDAL PROOF GRILLE AT BOTTOM
107	INSTALL NEW DOOR IN EXISTING FRAME. INSTALL PREVIOUSLY SALVAGE DOOR HARDWARE.
108	NEW CONCRETE SIDEWALK PER CIVIL; SEE C-101
109	PAINT EXISTING DOOR AND FRAME PT-2
110	PAINT EXISTING FRAME BLUE. PAINT EXISTING DOOR RED TO MATCH EXISTING SCHOOL COLOR SCHEME.
113	GYM WALL PROTECTION, WP-1



REVISIONS

No	Description	Date



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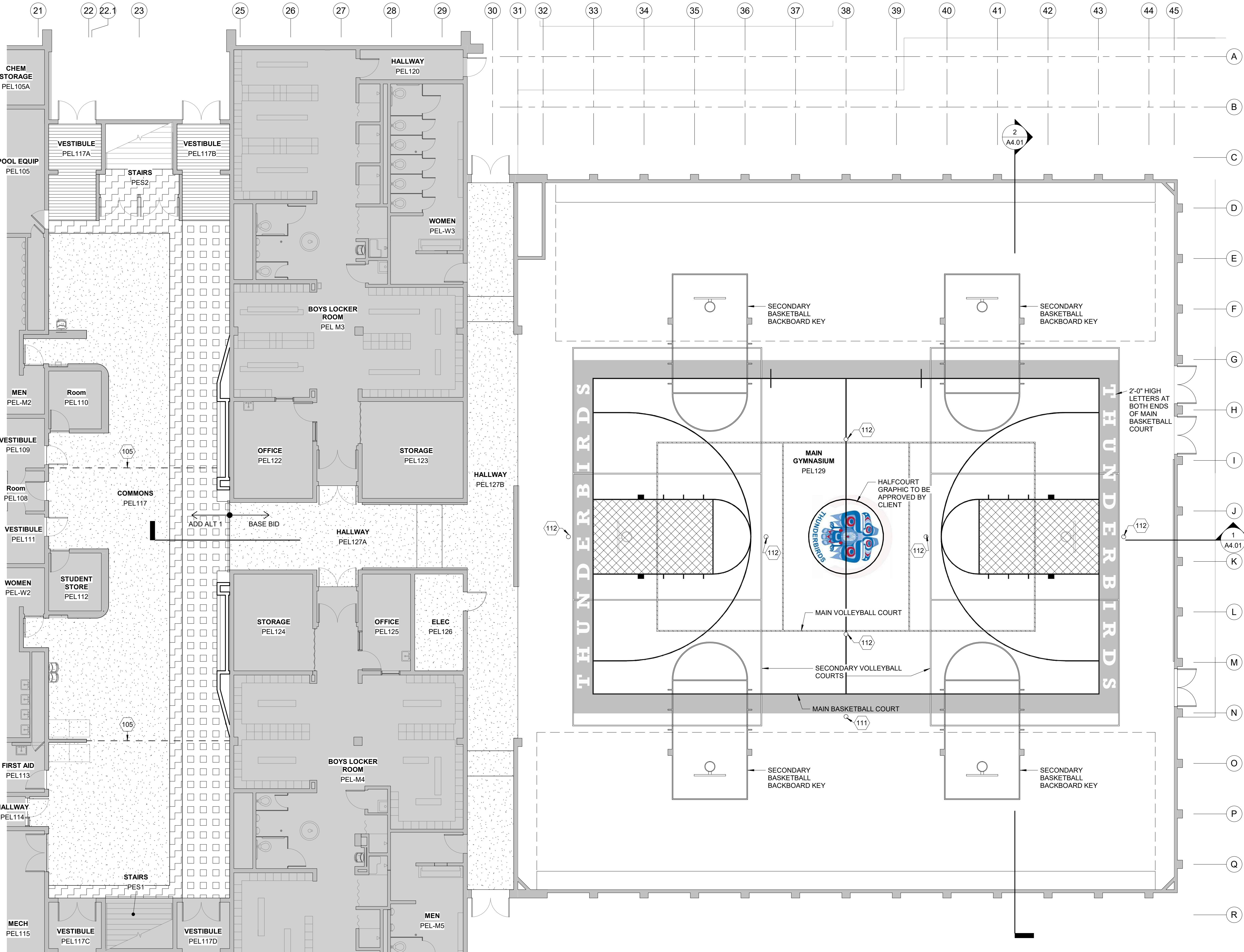
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FEBRUARY 7, 2025

FLOOR PLAN - LEVEL 0 - GYM AND COMMONS A1.01

1 FLOOR PLAN - LEVEL 0 - GYM AND COMMONS
A1.01 SCALE: 1/8" = 1'-0"

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FLOOR FINISH LEGEND

- BASKETBALL MAIN COURT GAME LINES - COLOR 1
- VOLLEYBALL MAIN COURT GAME LINES - COLOR 2
- SECONDARY BASKETBALL COURT GAME LINES - COLOR 3
- SECONDARY VOLLEYBALL COURT GAME LINES - COLOR 4
- BASKETBALL MAIN COURT OUT OF BOUNDS - RED
- BASKETBALL MAIN COURT KEY - BABY BLUE
- FLOOR - LVT-1
- FLOOR - LVT-2
- FLOOR - LVT-3

NOTES

1. NOTE.

KEYNOTES

NUMBER	KEYNOTE
105	SAWCUT CONCRETE EXPANSION JOINT INTO CONCRETE SLAB. NEW FLOORING NOT TO SPAN EXPANSION JOINTS, IN FLOOR POWER. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION. EXACT LOCATION TO BE COORDINATED WITH GYM GAME LINES SHOP DRAWINGS AND SCHOOL.
111	EXISTING VOLLEYBALL SLEEVES TO BE RE-USED. SEE DETAIL 1/A7.02



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KEY PLAN



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ASD Project No.: 830720
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FEBRUARY 7, 2025

FLOOR PLAN - LEVEL 0 - GYM AND COMMONS A1.02

1 FLOOR PLAN - LEVEL 0 - GYM AND COMMONS Copy 1

A1.02 SCALE: 1/8" = 1'-0"

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1 RCP - LEVEL 0 - GYM AND COMMONS
A2.01 SCALE: 1/8" = 1'-0"

RCP LEGEND

	EXISTING SUSPENDED GYPSUM CEILING
	EXISTING TECTUM CEILING
	EXISTING ACOUSTICAL CEILING
+8'-0"	CEILING HEIGHT
OTS	OPEN TO STRUCTURE
	EXISTING LIGHTING
	EXISTING DIFFUSERS
	EXISTING CEILING MOUNTED SPEAKER

NOTES

- ALL CEILINGS ARE EXISTING TO REMAIN. CEILINGS AFFECTED BY NEW WORK TO BE PATCHED AND REPAIRED.

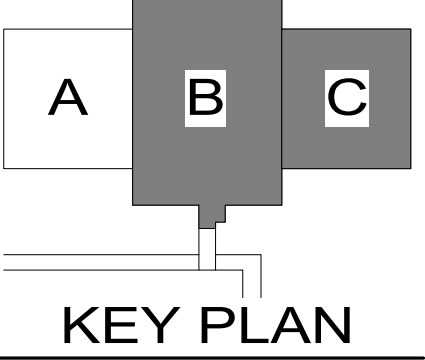
KEYNOTES

NUMBER	KEYNOTE
12	DEMOLISH RETRACTABLE BASKETBALL HOOPS. REPLACE IN KIND WITH NEW RETRACTABLE BASKETBALL HOOPS, ADJUSTED PER NEW FLOOR HEIGHT. ADD ALT #4.
13	DEMOLISH SOFFIT AND SOFFIT SIDE WALL AS NECESSARY TO REPLACE RETRACTABLE BASKETBALL HOOP. REPLACE FRAMING, GWB, AND FINISH TO MATCH EXISTING ADJACENT SOFFIT.



REVISIONS

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RCP - LEVEL 0 - GYM AND COMMONS
A2.01

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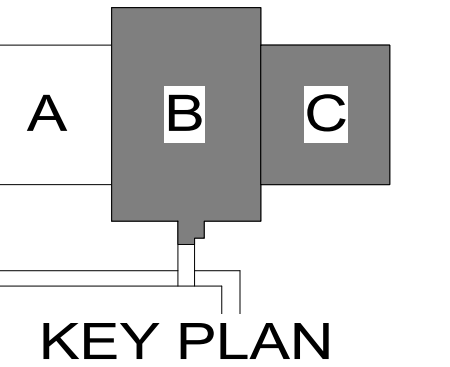
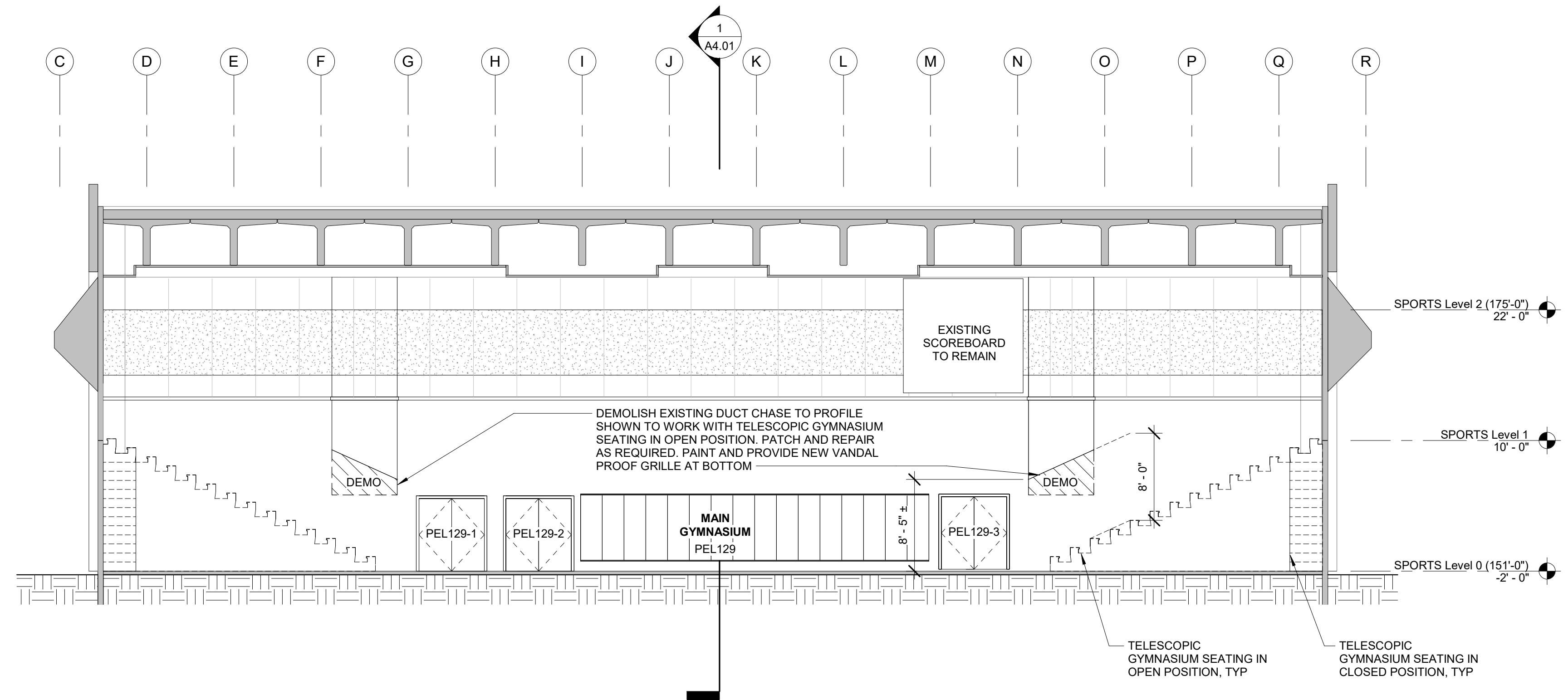
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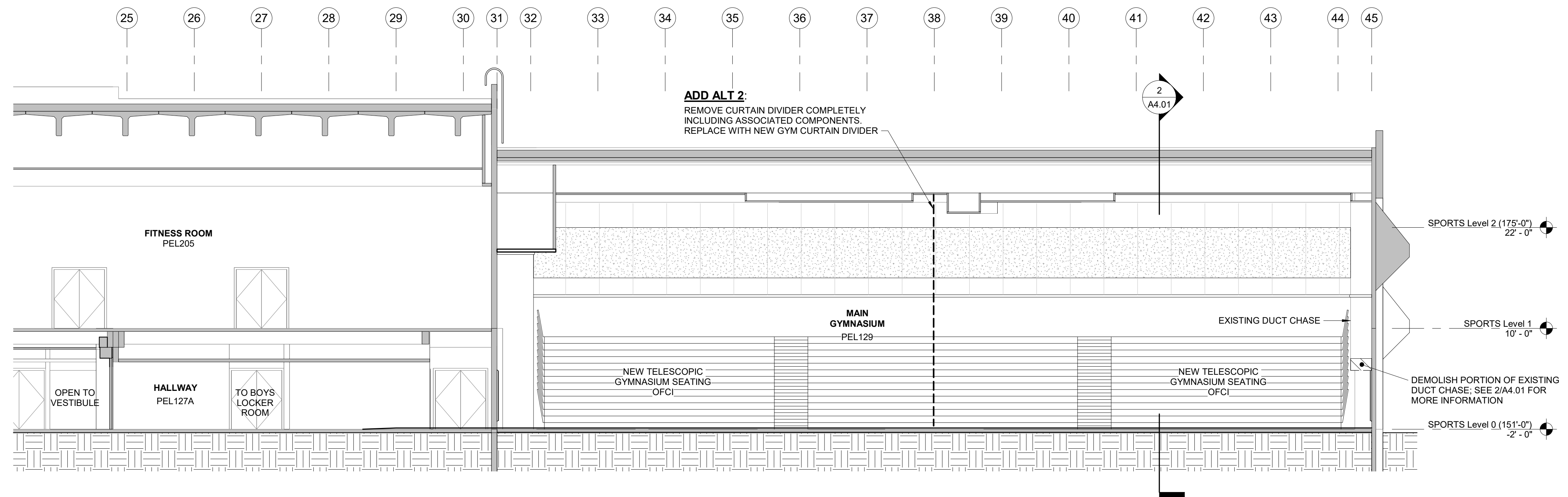
Anchorage School District

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No	Description	Date



2 SECTION - GYM
A4.01 SCALE: 1/8" = 1'-0"



1 SECTION - GYM AND COMMONS
A4.01 SCALE: 1/8" = 1'-0"



BDS, Inc. Entity #25796D
BDS ARCHITECTS

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SECTIONS A4.01

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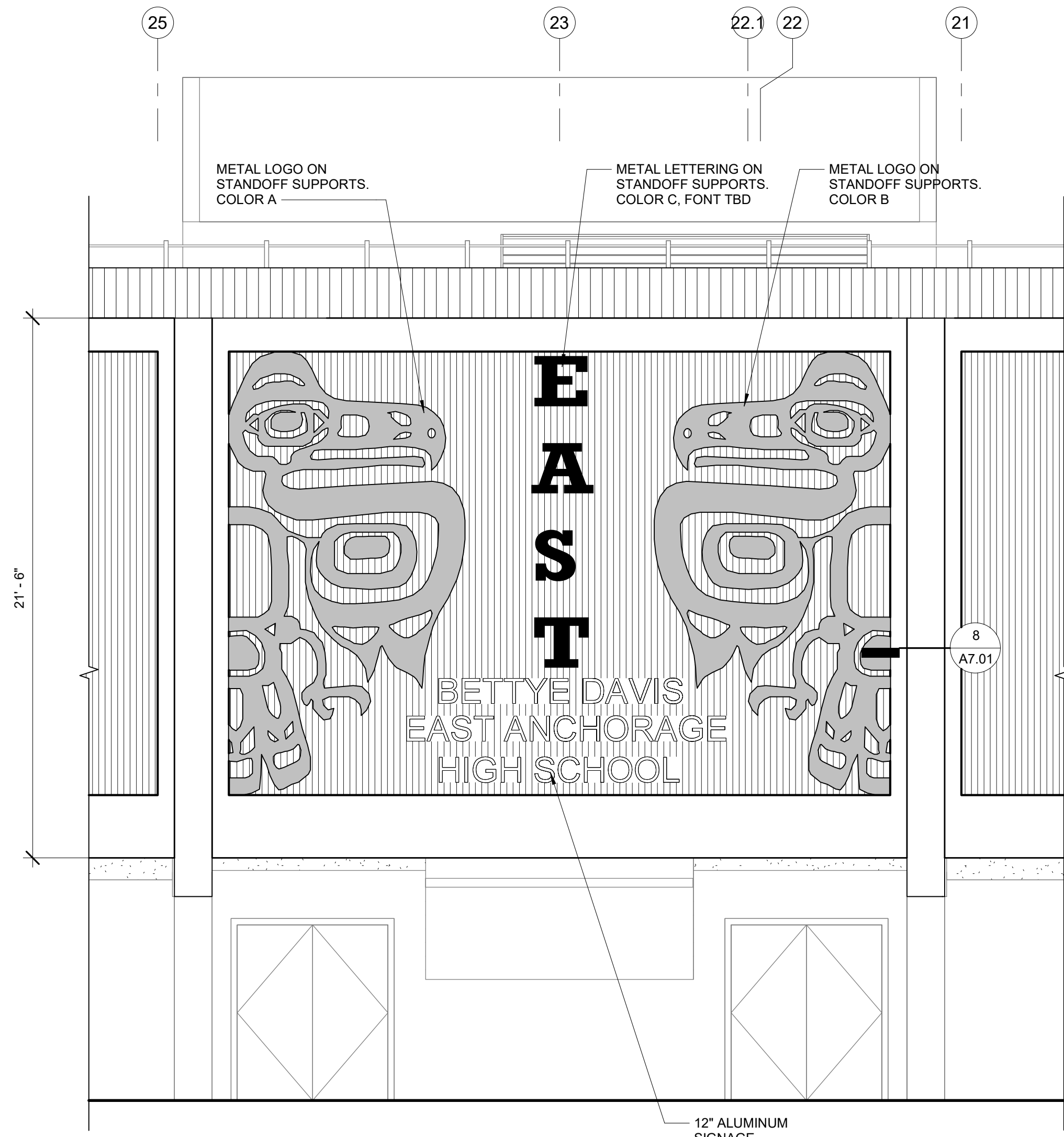
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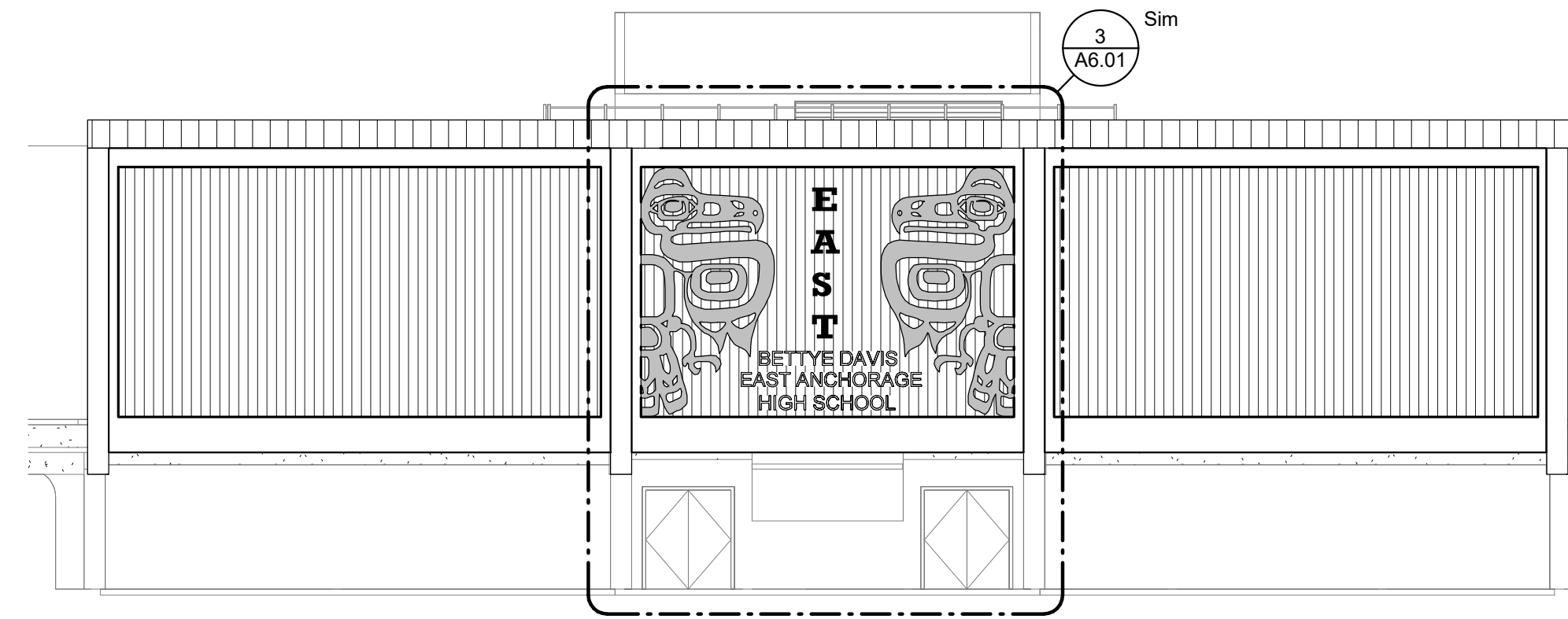
Anchorage School District

REVISIONS
No Description Date

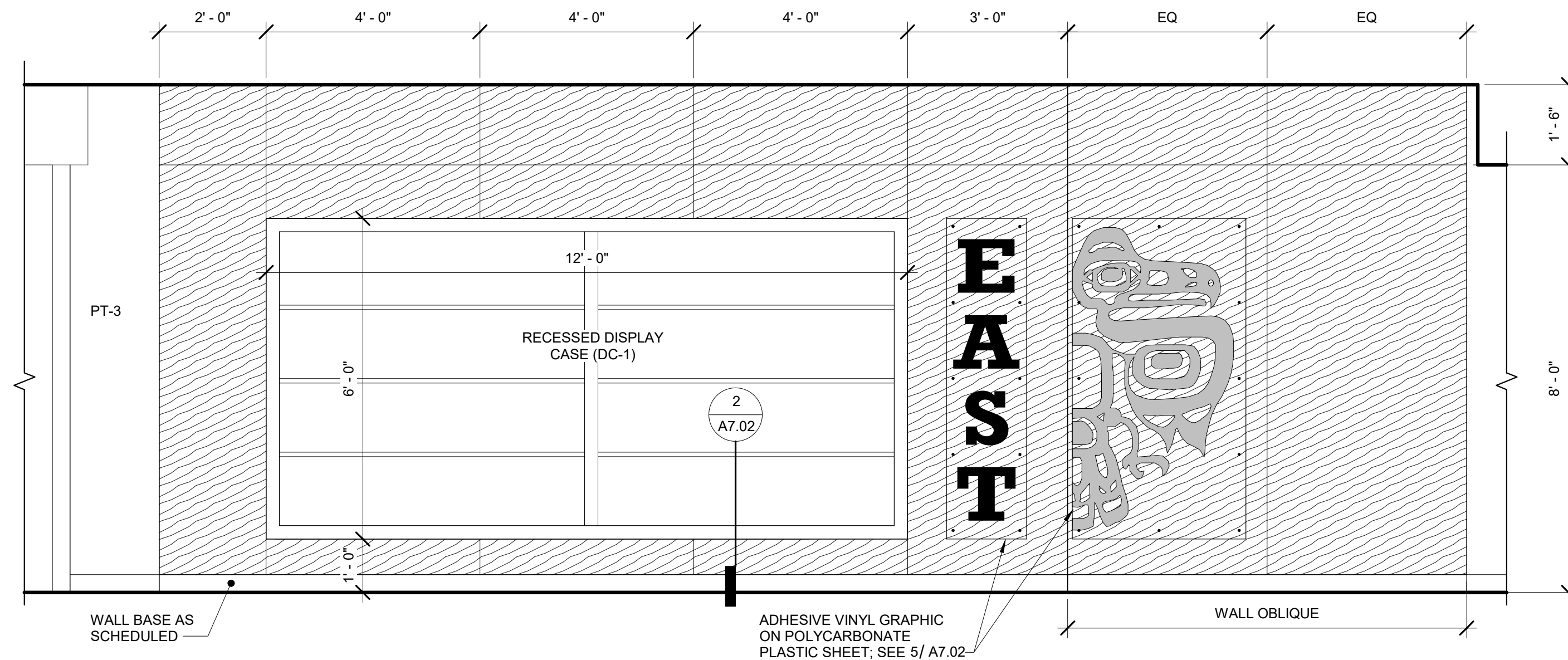
GENERAL NOTES
1. ALL GRAPHICS TO BE FINALIZED WITH THE CLIENT. FONTS AND SPECIFIC LOGOS TO BE PROVIDED.



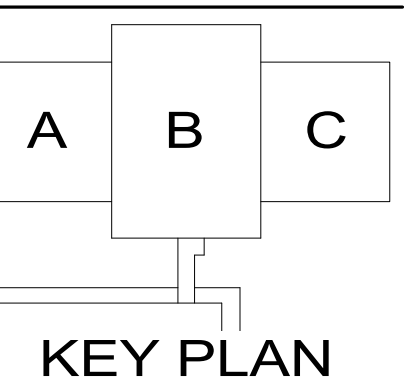
3 EXTERIOR ENTRY - ADD ALT 3
A6.01 SCALE: 1/4" = 1'-0"



4 OVERALL GYM ELEVATION - ADD ALT 3
A6.01 SCALE: 3/32" = 1'-0"



2 COMMONS DISPLAY CASE ELEVATION - ADD ALT 1
A6.01 SCALE: 1/2" = 1'-0"

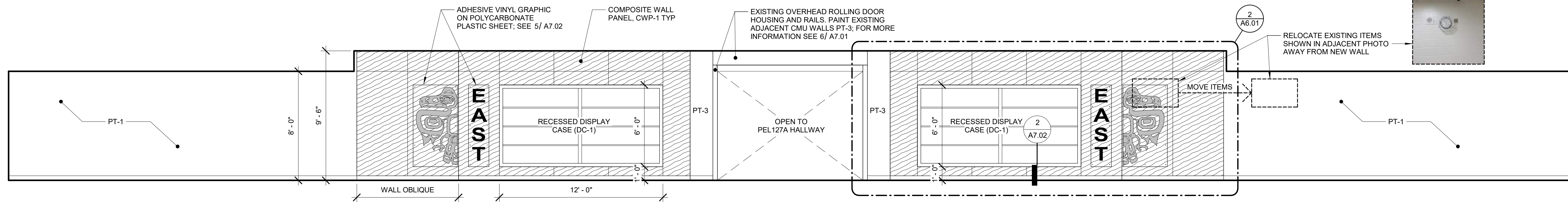


BDS, Inc. Entity #25796D
BDS
ARCHITECTS

701 West 8th Avenue Suite 420
Anchorage, Alaska 99501
T: 907.562.6076 | W: www.bdsak.com

BDEAHS MAIN GYM FLOOR REPLACEMENT

Anchorage, Alaska
BDS Project No.: 419004.003
ASD Project No.: 830720
100% BID DOCUMENTS
FEBRUARY 7, 2025



1 PEL117 COMMONS - EAST ELEVATION - ADD ALT 1
A6.01 SCALE: 1/4" = 1'-0"

ELEVATIONS
A6.01

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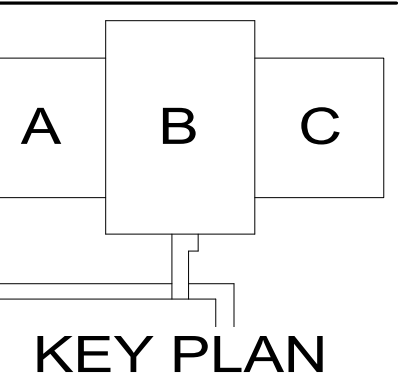
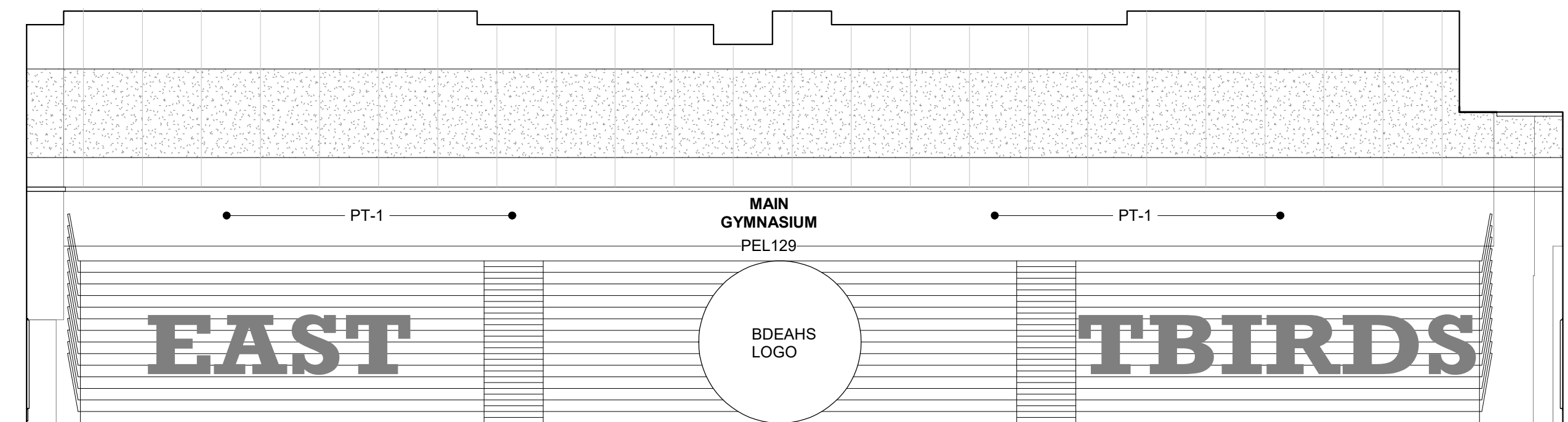
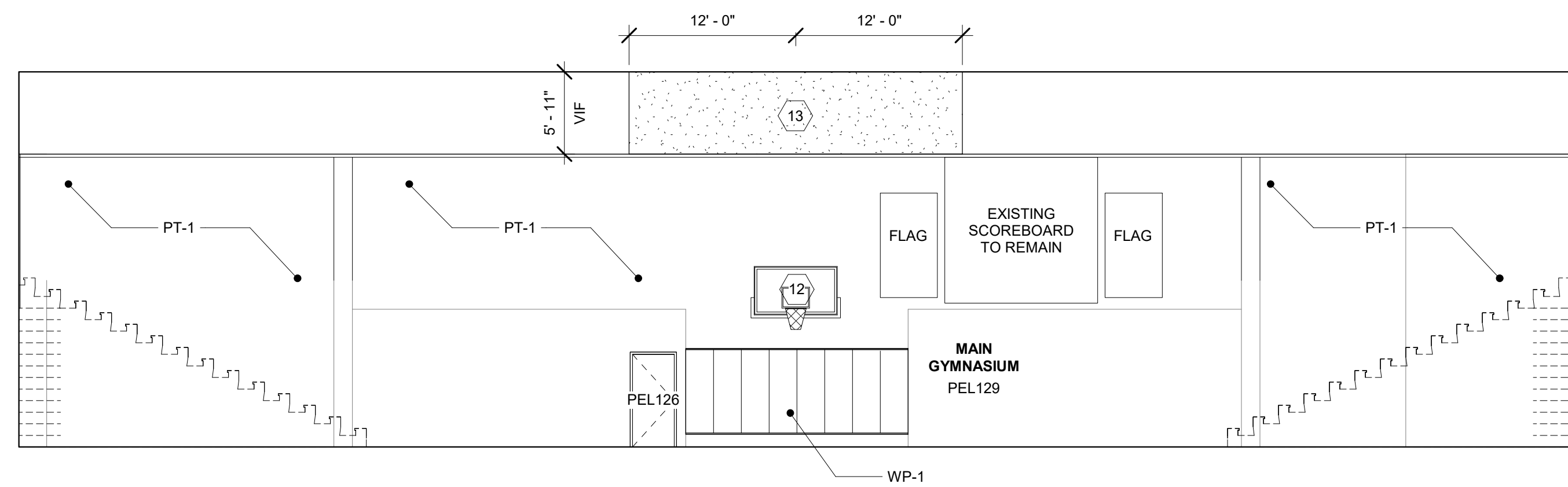
Anchorage School District

GENERAL NOTES

1. TELESCOPIC BLEACHERS ARE OWNER FURNISHED CONTRACTOR INSTALLED. COORDINATE WITH OWNER FOR SHOP DRAWINGS.
2. ALL LOGOS AND LETTERING SHOWN ON BLEACHERS ARE PART OF OFCI BLEACHER CONTRACTOR. BDEAHS AND ASD TO PROVIDE FINAL ACCEPTANCE OF LOGO DESIGN.

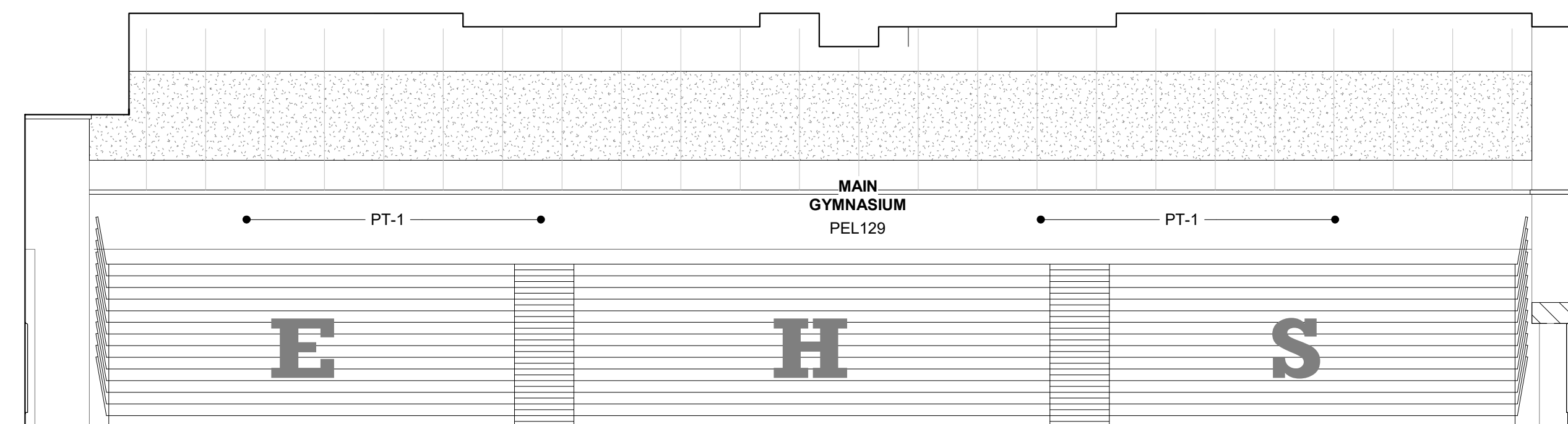
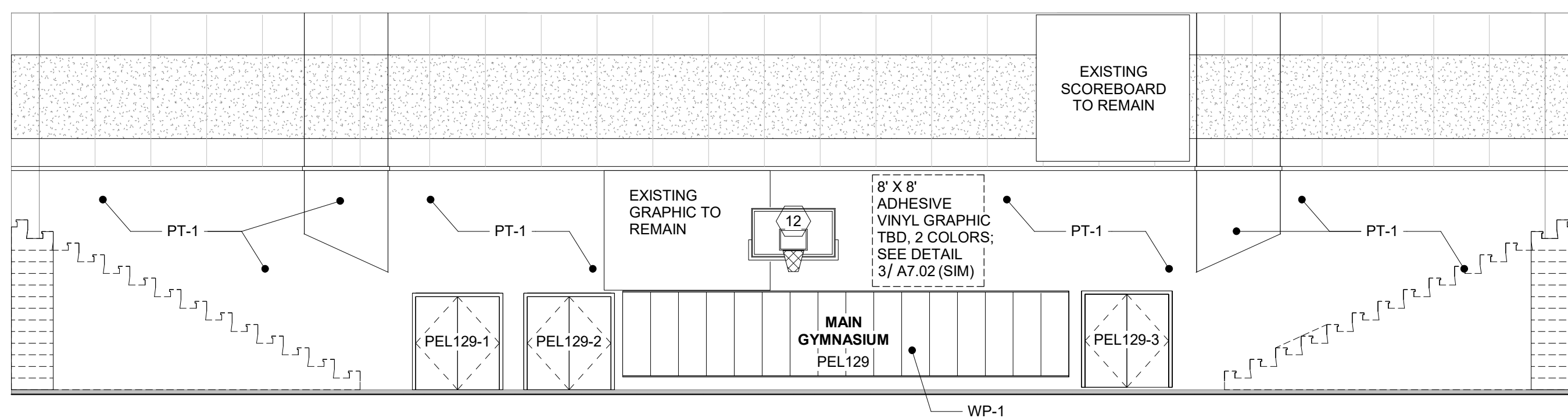
REVISIONS

No	Description	Date



4 MAIN GYMNASIUM PEL129 - WEST
A6.02 SCALE: 1/8" = 1'-0"

3 MAIN GYMNASIUM PEL129 - SOUTH
A6.02 SCALE: 1/8" = 1'-0"



2 MAIN GYMNASIUM PEL129 - EAST
A6.02 SCALE: 1/8" = 1'-0"

1 MAIN GYMNASIUM PEL129 - NORTH
A6.02 SCALE: 1/8" = 1'-0"



BDS, Inc. Entity #25796D



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BDEAHS MAIN GYM FLOOR REPLACEMENT
Anchorage, Alaska

BDS Project No.: 419004.003
ASD Project No.: 830720

100% BID DOCUMENTS
FEBRUARY 7, 2025

**ELEVATIONS
A6.02**

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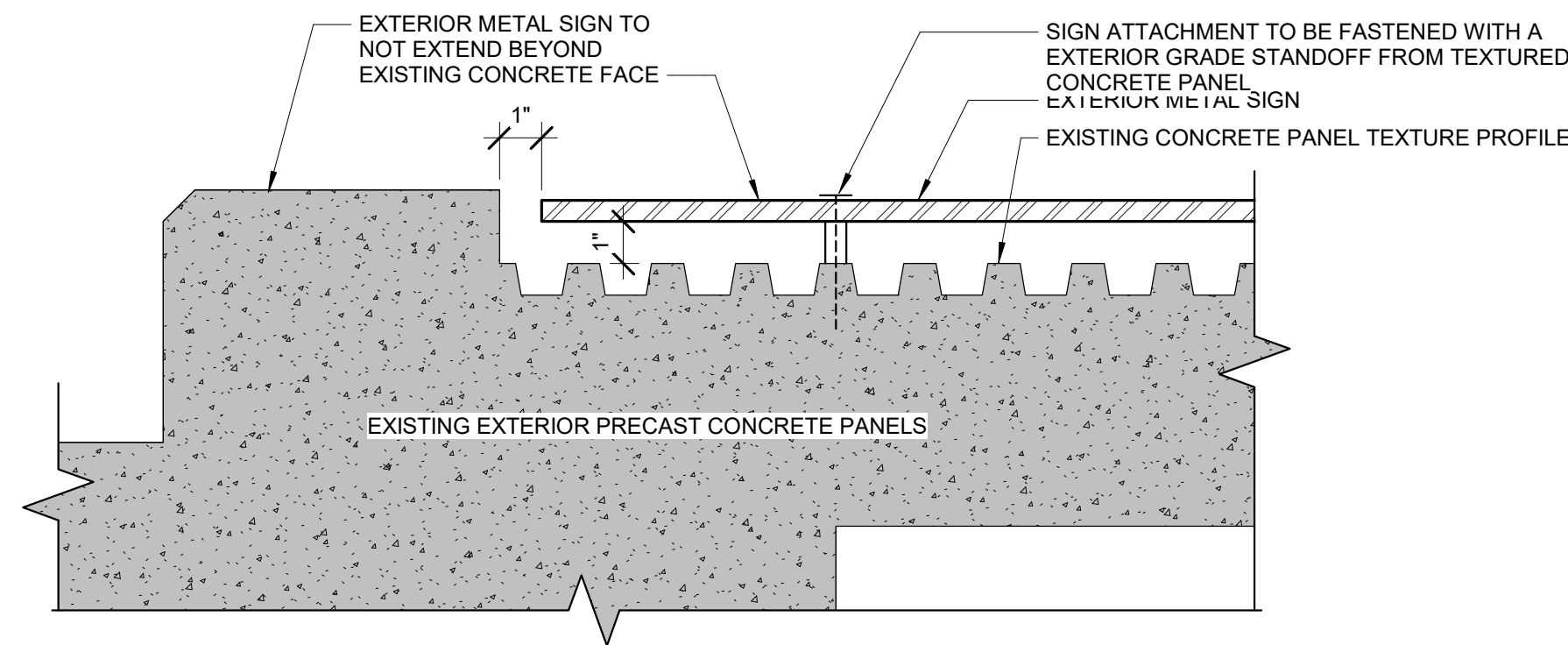
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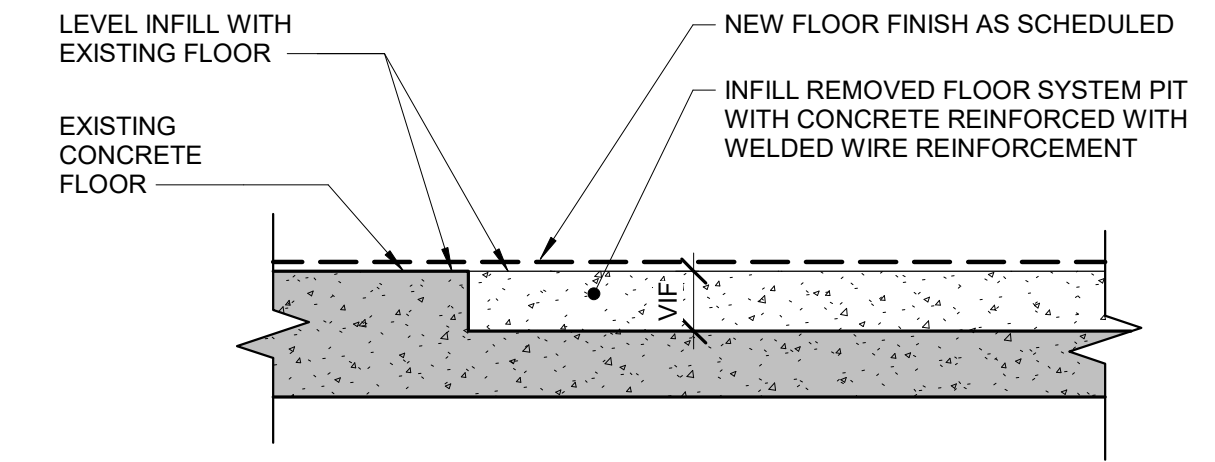
Anchorage School District

REVISIONS

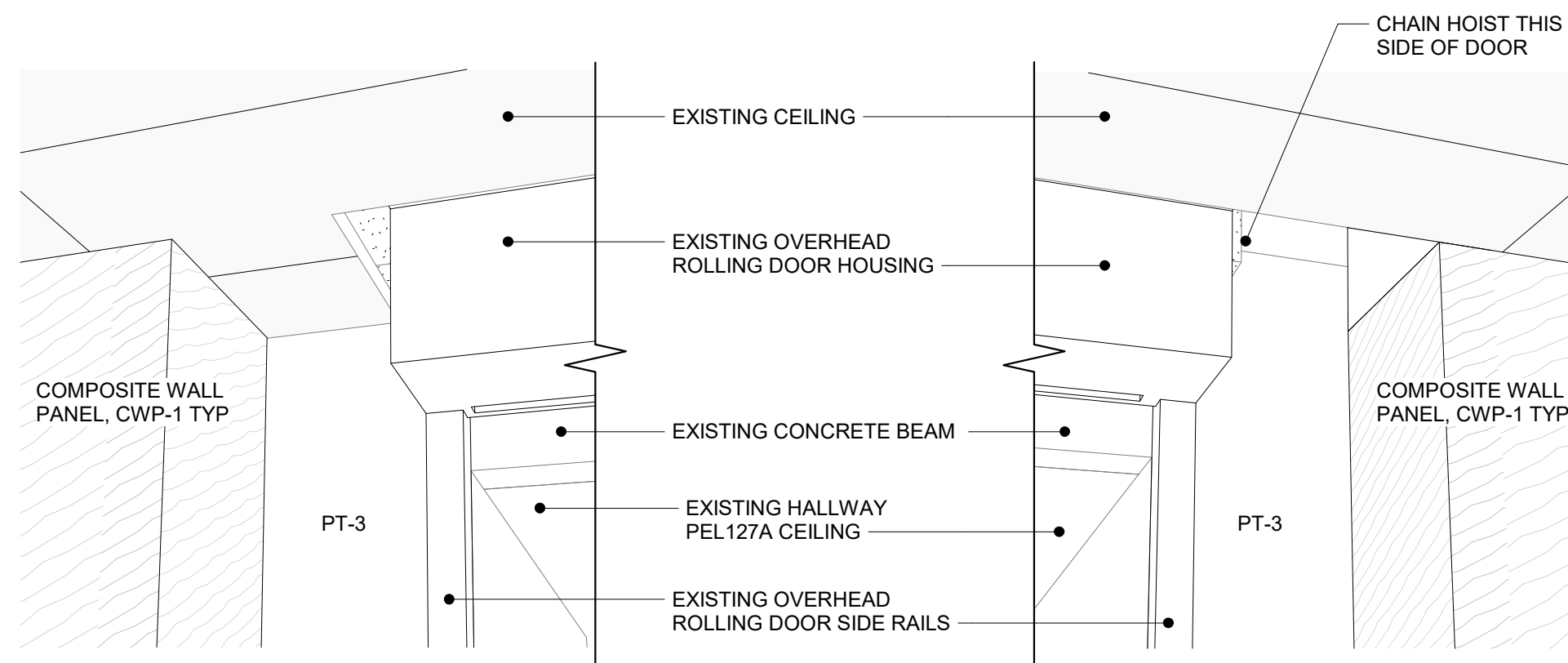
No	Description	Date



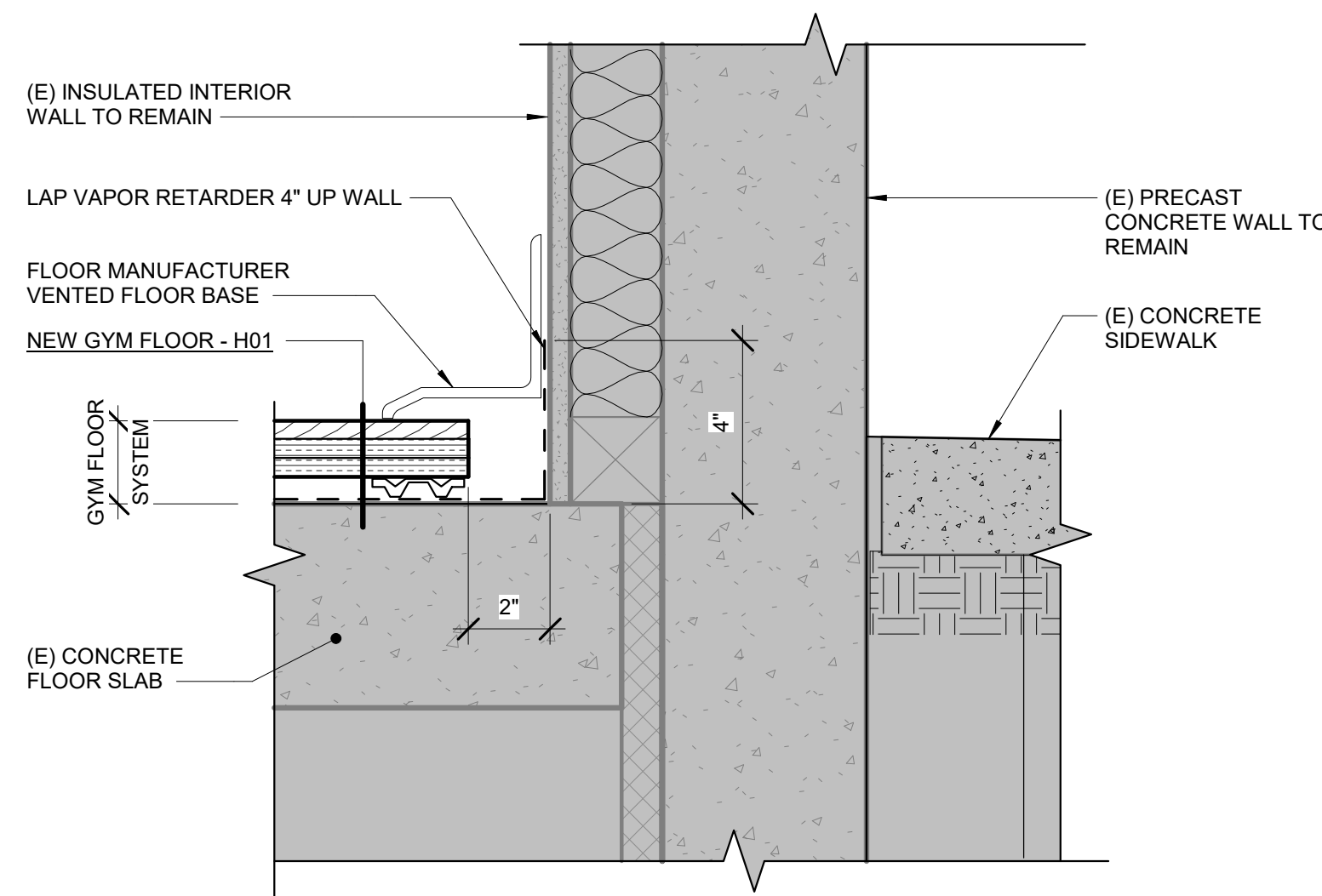
8 EXTERIOR ARTWORK AT PRECAST PANEL - ADD ALT 3
A7.01 SCALE: 3" = 1'-0"



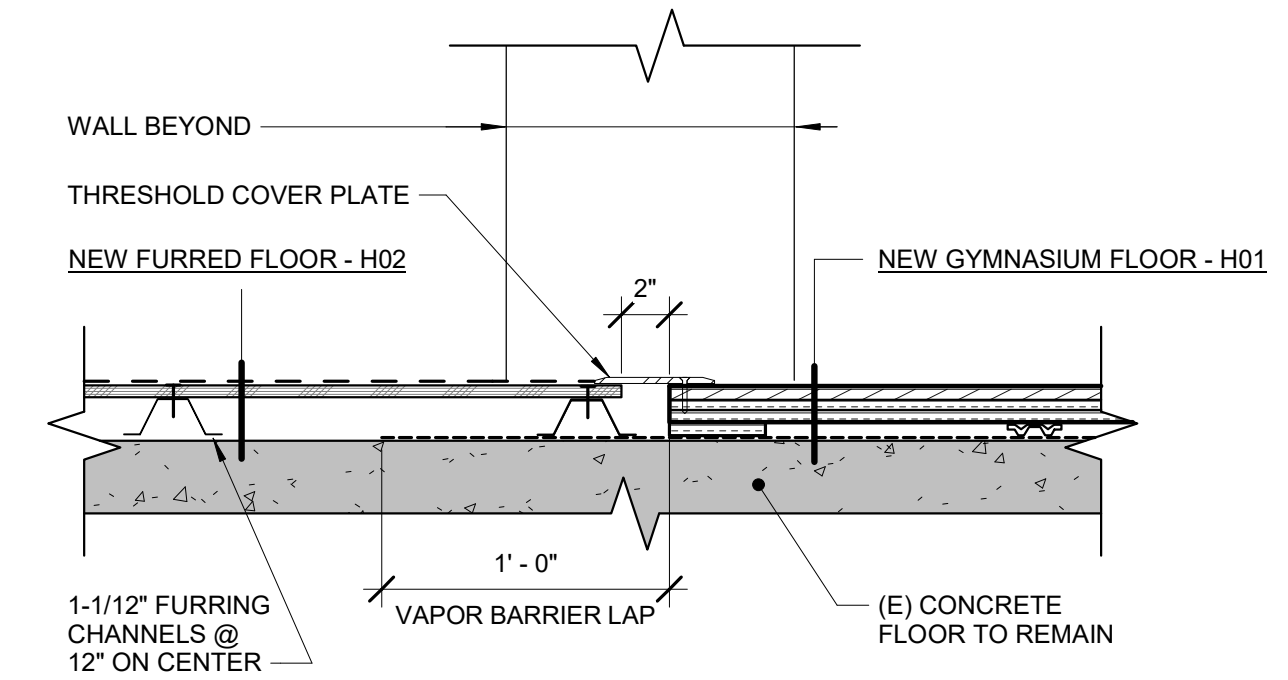
7 FLOOR GRATE INFILL
A7.01 SCALE: 1 1/2" = 1'-0"



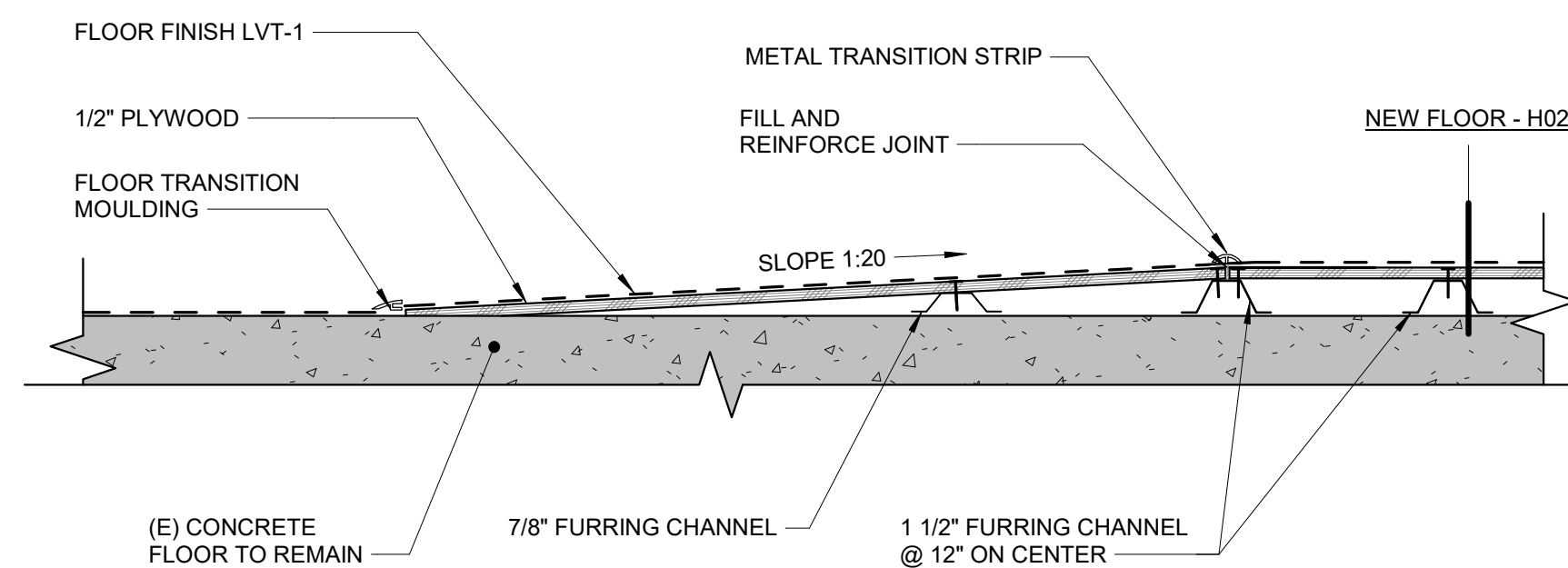
6 3D VIEWS FOR REFERENCE ROLLING DOOR TRANSITION AT COMMONS - ADD ALT 1
A7.01 SCALE:



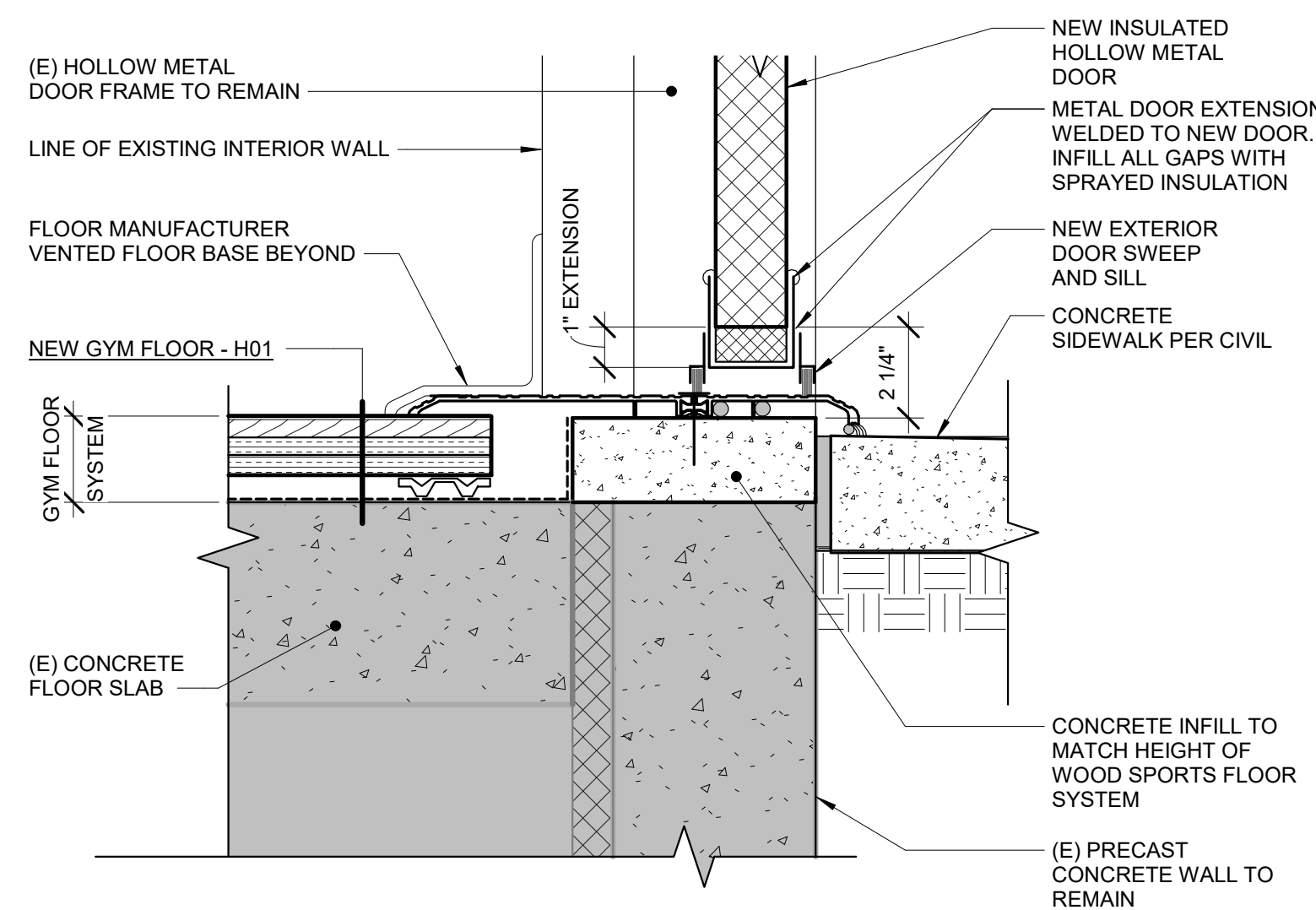
5 GYM FLOOR DETAIL @ EXTERIOR WALL
A7.01 SCALE: 3" = 1'-0"



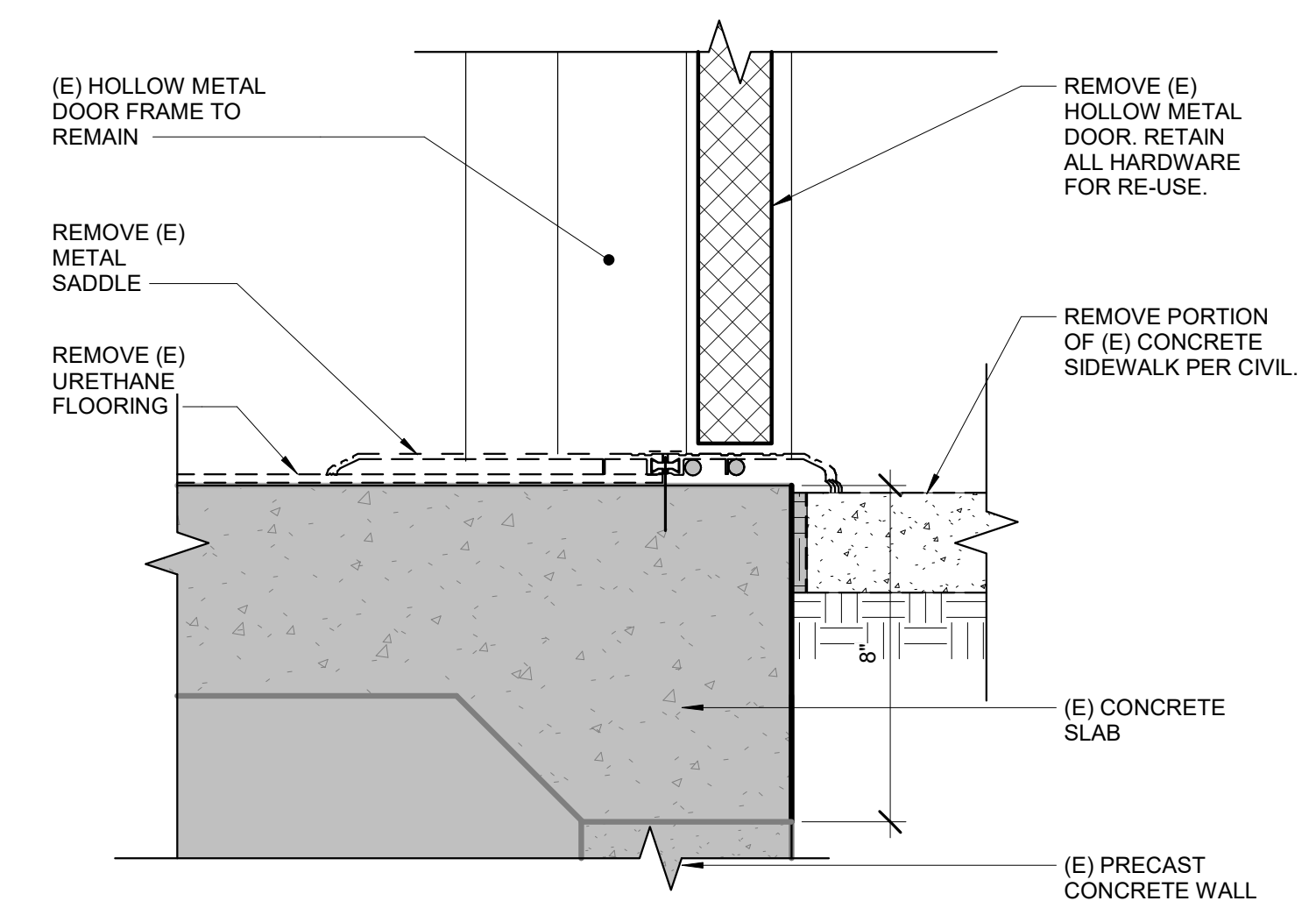
4 TOP OF GRADED FLOOR
A7.01 SCALE: 1 1/2" = 1'-0"



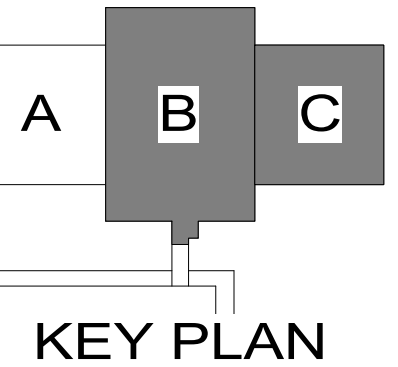
3 BOTTOM OF GRADED FLOOR
A7.01 SCALE: 1 1/2" = 1'-0"



2 GYM FLOOR DETAIL @ NEW SIDEWALK
A7.01 SCALE: 3" = 1'-0"



1 DOOR DEMOLITION DETAIL
A7.01 SCALE: 3" = 1'-0"



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BDS ARCHITECTS

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DETAILS
A7.01

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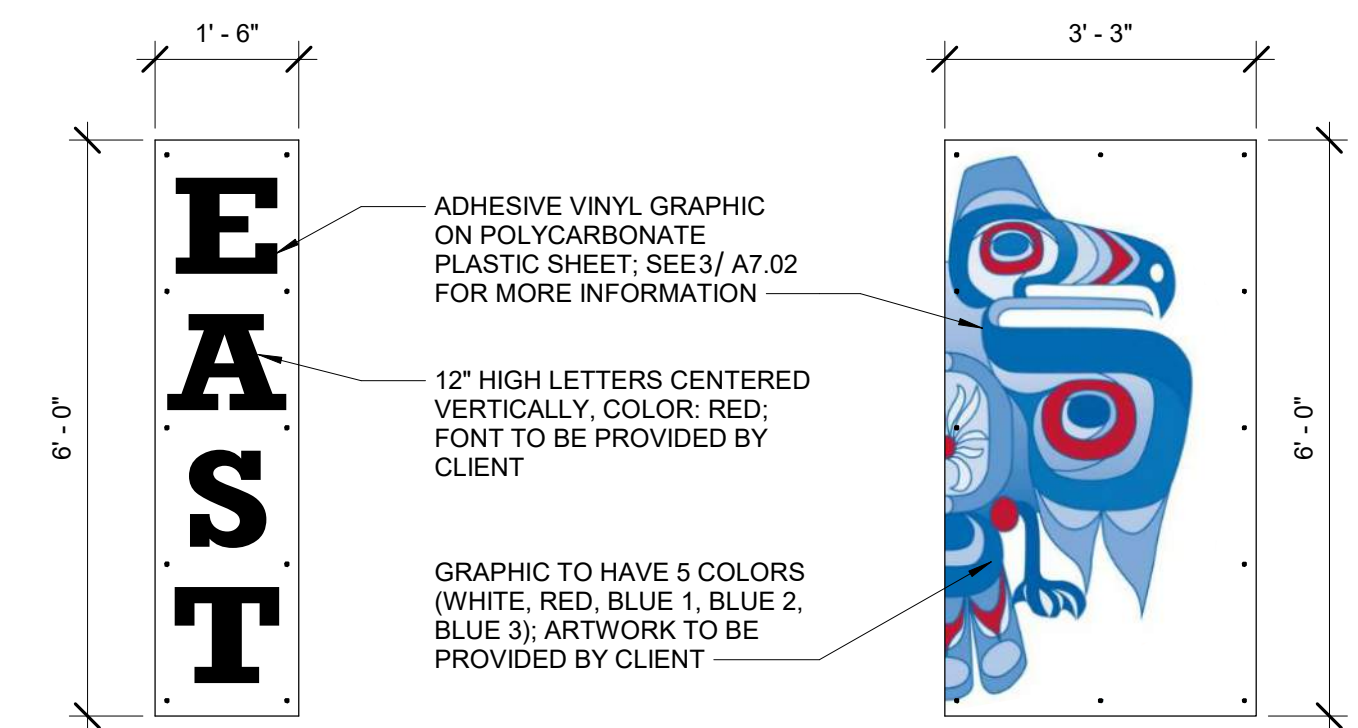
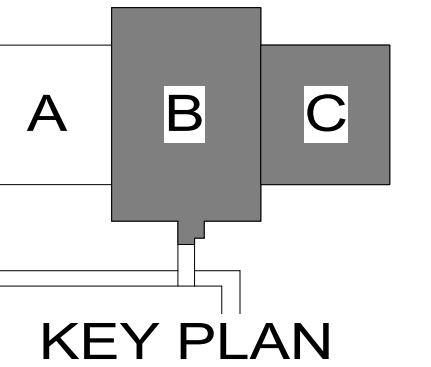
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Anchorage School District

REVISIONS

No	Description	Date
----	-------------	------



5 INTERIOR GRAPHICS AT COMMONS - ADD ALT 1
A7.02 SCALE: 1/2" = 1'-0"



BDS, Inc. Entity #25796D

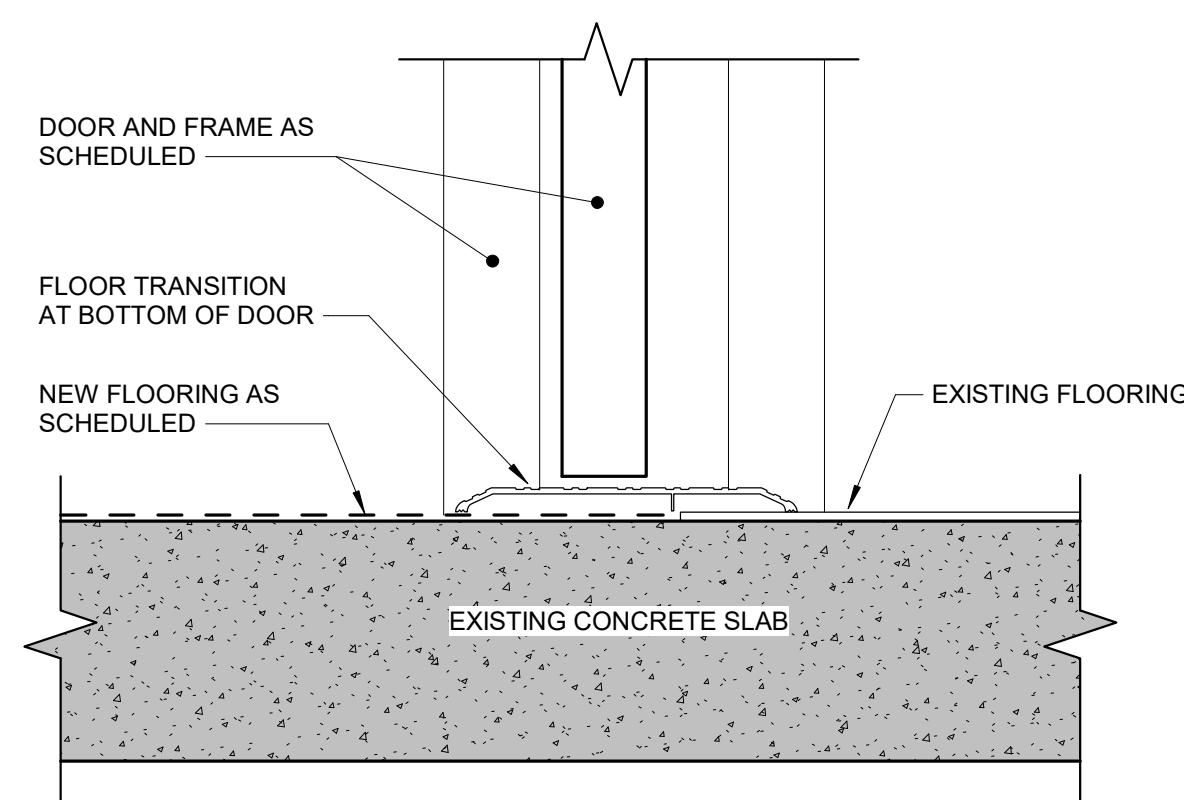


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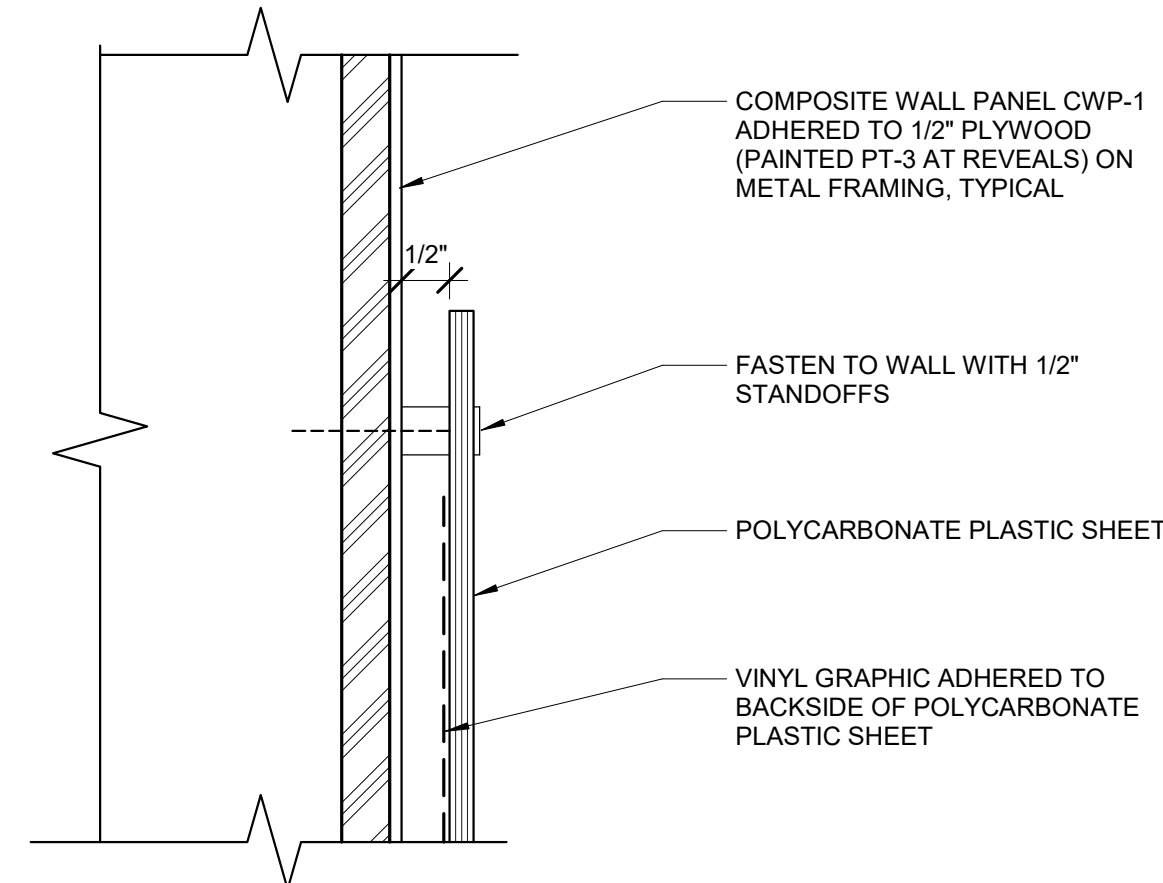
BDEAHS MAIN GYM FLOOR REPLACEMENT
Anchorage, Alaska

BDS Project No.: 419004.003
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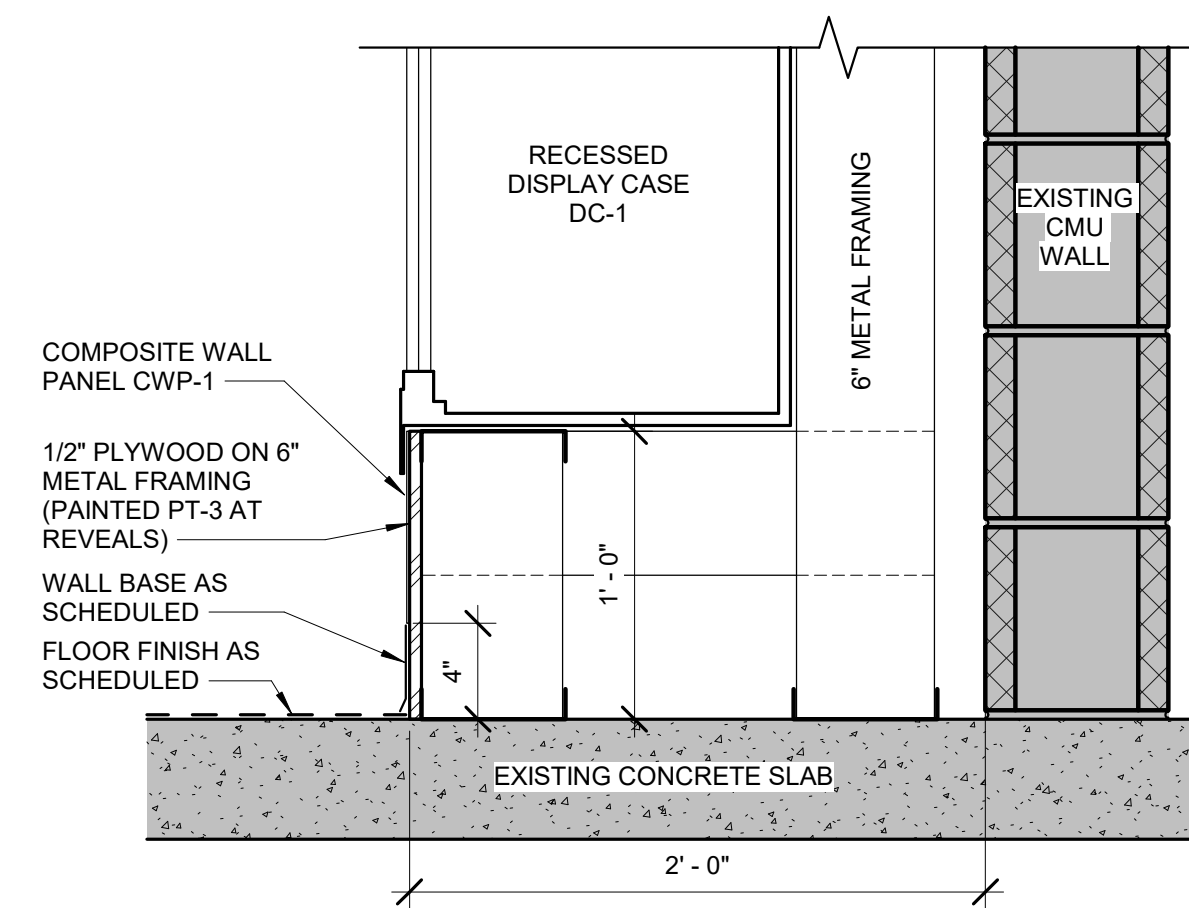
100% BID DOCUMENTS
FEBRUARY 7, 2025



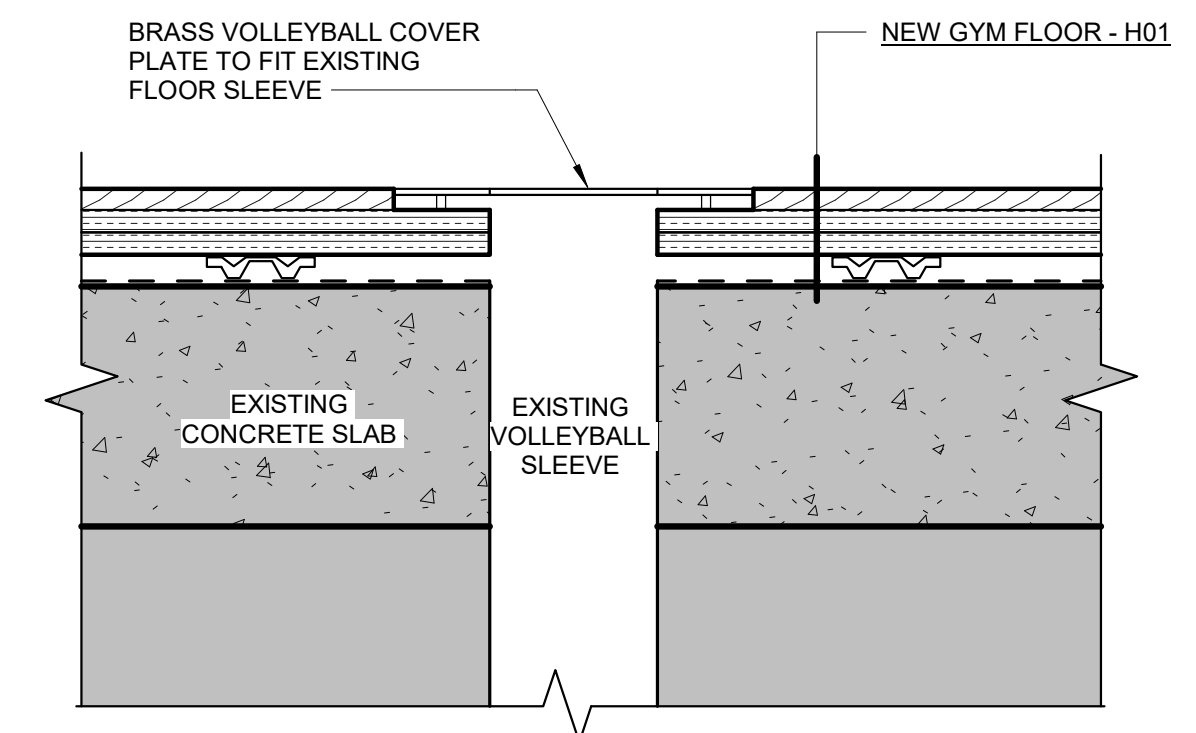
4 FLOOR TRANSITION AT INTERIOR DOOR
A7.02 SCALE: 3" = 1'-0"



3 INTERIOR SIGNAGE ATTACHMENT - ADD ALT 1
A7.02 SCALE: 6" = 1'-0"



2 DISPLAY CASE DETAIL AT FLOOR - ADD ALT 1
A7.02 SCALE: 1 1/2" = 1'-0"



1 GYM FLOOR AT VOLLEYBALL FLOOR SLEEVE
A7.02 SCALE: 3" = 1'-0"

DETAILS
A7.02

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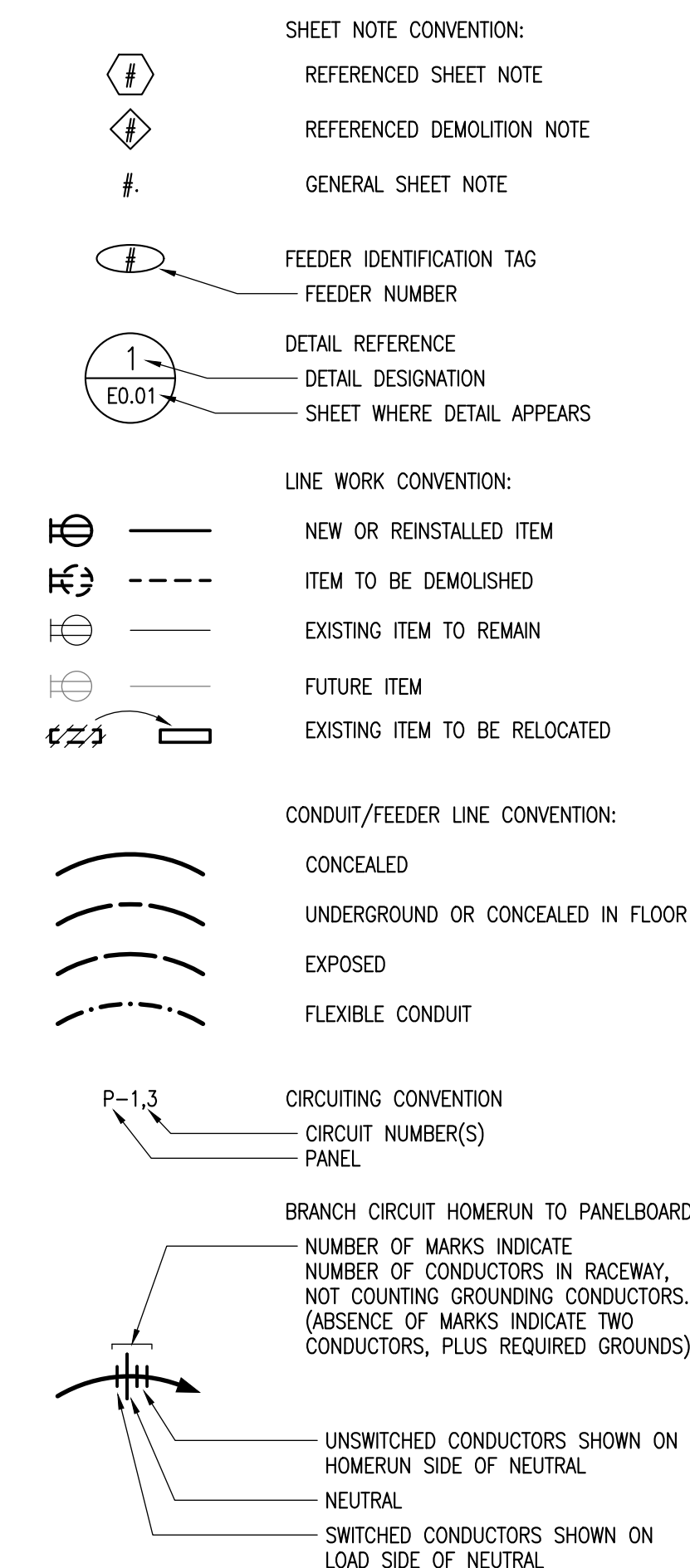
Anchorage School District

GENERAL

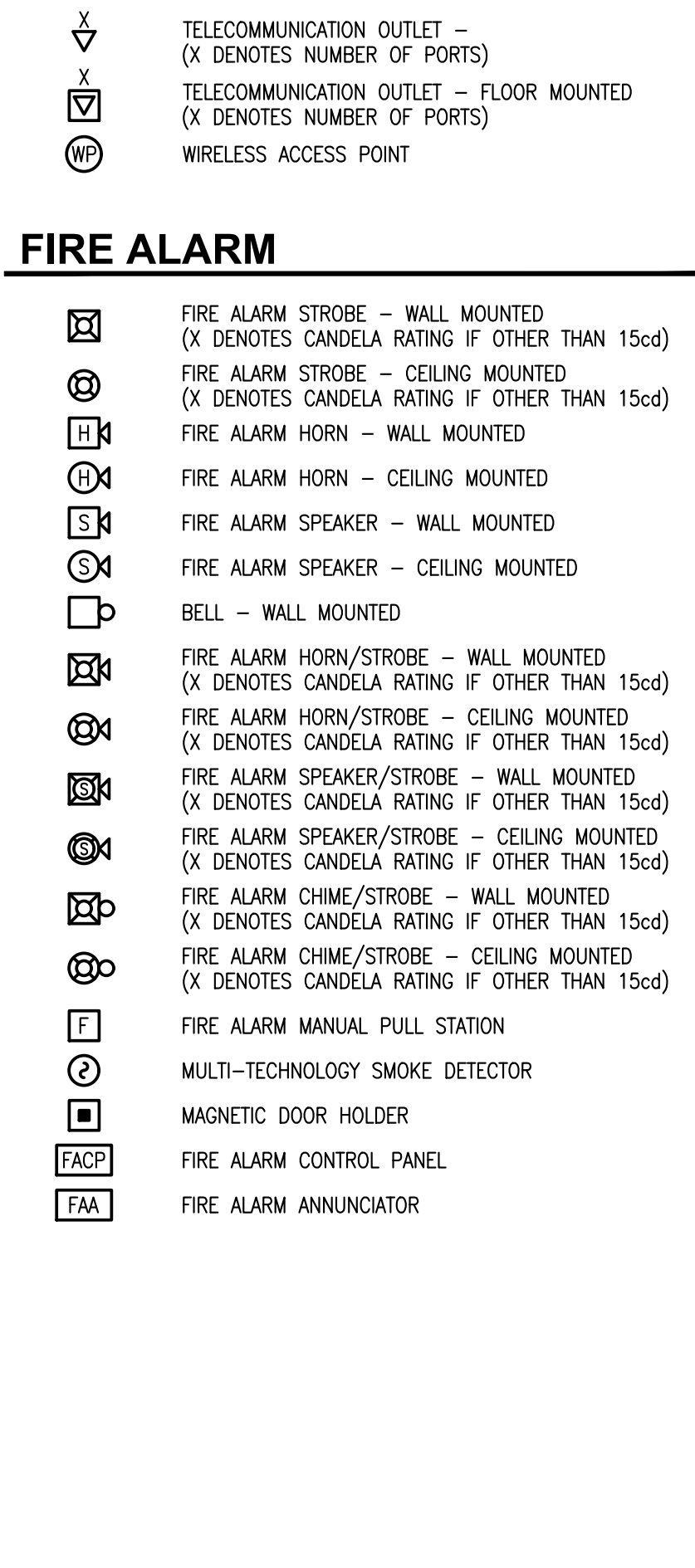
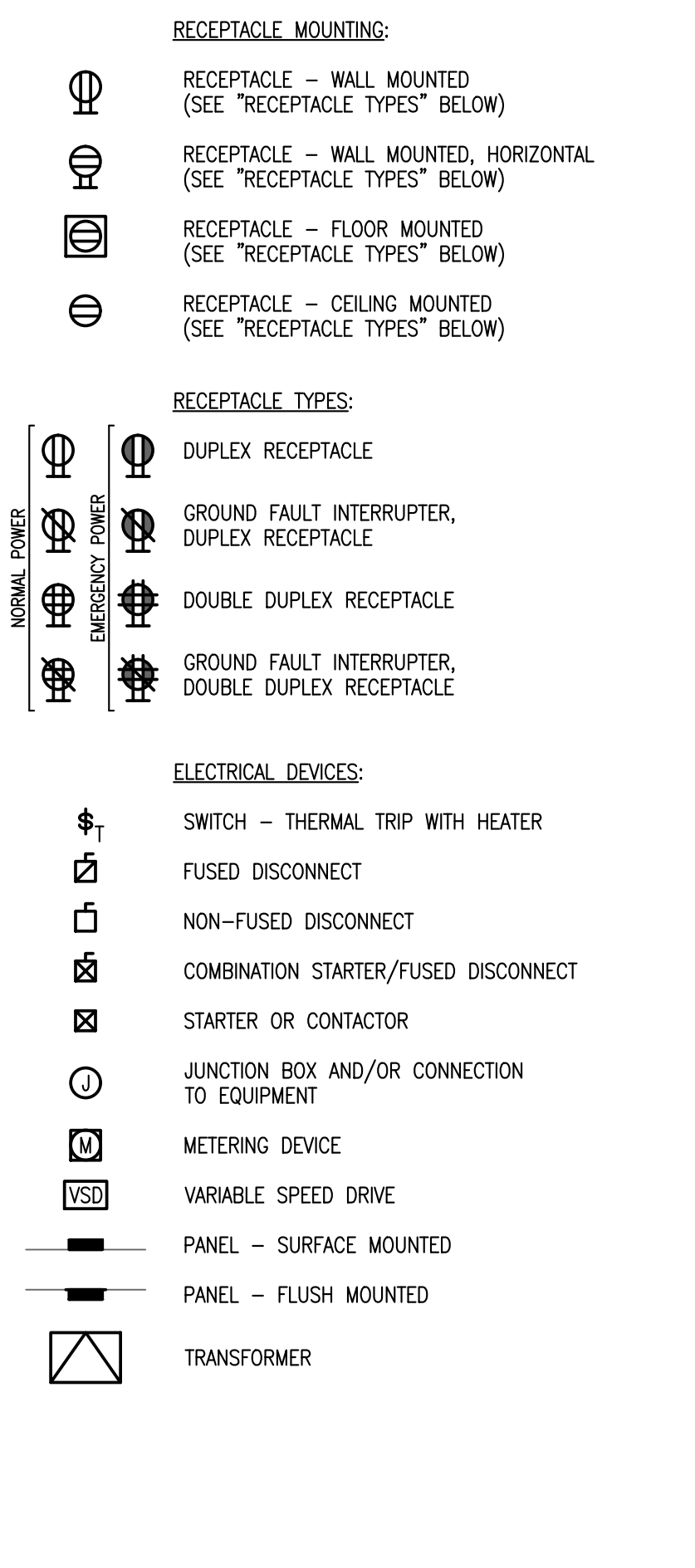
ABBREVIATIONS

POWER

COMMUNICATIONS



ACS	ACCESS CONTROL SYSTEM
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AL	ALUMINUM
APPROX	APPROXIMATE
ARJ	AUTHORITY HAVING JURISDICTION
BAS	BUILDING AUTOMATION SYSTEM
CKT	CIRCUIT
CCTV	CLOSED CIRCUIT TELEVISION
CMH	COMMUNICATIONS MANHOLE
C.	CONDUIT
C.O.	CONDUIT ONLY
CU	COPPER
(D)	DEMOLISH
DB	DECEBEL
(E)	EXISTING
(F)	FUTURE
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FSD	FIRE/SMOKE DAMPER
HZ	FREQUENCY
HP	HORSEPOWER
IAW	IN ACCORDANCE WITH
K	KELVIN
KVA	KILO VOLT-AMPS
KW	KILOWATT
LCP	LIGHTING CONTROL PANEL
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CONTROL PANEL
MDS	MAIN DISTRIBUTION SWITCHBOARD
MIN	MINIMUM
MM	MULTIMODE FIBER OPTIC CABLE
MTR	MAIN TELECOM ROOM
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFB	OPTICAL FIBER CABLE
OFI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PA	PUBLIC ADDRESS
PH	PHASE (ELECTRICAL)
PLC	PROGRAMMABLE LOGIC CONTROLLER
PMCS	POWER MONITORING CONTROL SYSTEM
SM	SINGLEMODE FIBER OPTIC CABLE
SPD	SURFACE MOUNTED RACEWAY SURGE PROTECTIVE DEVICE
TELECOM	TELECOMMUNICATION
TR	TELECOMMUNICATION ROOM
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VR	VANDAL RESISTANT
VAC	VOLTS (ALTERNATING CURRENT)
VDC	VOLTS (DIRECT CURRENT)
V	VOLTS OR VOLTAGE
W	WATT
WP	WEATHERPROOF
WG	WIRE GUARD

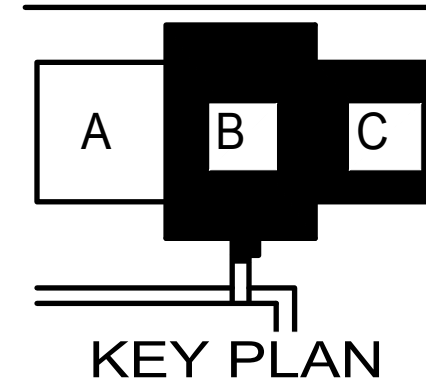
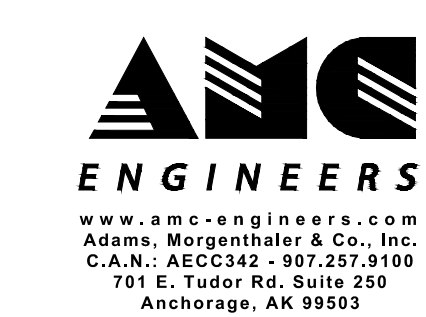


DRAWING INDEX

REVISIONS	No	Description	Date
ME0.01	LEGEND, ABBREVIATIONS, & SCHEDULES		
ME0.02	SPECIFICATIONS		
ME0.03	OVERALL PLANS		
MED1.01	LEVEL 0 PLAN - MECHANICAL & ELECTRICAL - DEMOLITION		
ME1.01	LEVEL 0 PLAN - MECHANICAL & ELECTRICAL - NEW		

REVISIONS

No	Description	Date
ME0.01	LEGEND, ABBREVIATIONS, & SCHEDULES	
ME0.02	SPECIFICATIONS	
ME0.03	OVERALL PLANS	
MED1.01	LEVEL 0 PLAN - MECHANICAL & ELECTRICAL - DEMOLITION	
ME1.01	LEVEL 0 PLAN - MECHANICAL & ELECTRICAL - NEW	



BB											
LOCATION: ELEC PEL126				VOLTS: 208/120 Wye				A.I.C. RATING: EXISTING			
FED FROM: NB				PHASES: 3				MAINS TYPE: LUGS			
MOUNTING: SURFACE				WIRES: 4				RATING: 125A			
CKT#	CIRCUIT DESCRIPTION	AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT#	
1	REC: 155 (W/P)	20	1	720	720		1	20	REC: 143-132 (W/P)	2	
3	REC - 155 (W/P)	20	1				1	20	REC: M3,M4	4	
5	REC: ENTRY 155 & LOWER S. GYM FLOOR	20	1				1	20	REC: ENTRY 155	6	
7	REC: 152-132 (W/P)	20	1	720	500		1	20	BACKSTOP MAIN COURT W	8	
9	REC: 147-146-145	20	1		720	500		1	BACKSTOP SW COURT	10	
11	REC: 149-148	20	1			720	500	1	BACKSTOP SE COURT	12	
13	PEL-126 NAVEPOINT	20	1	1000	1000		1	20	UNKNOWN	14	
15	BACKSTOP NW COURT	20	1		500	1000		1	SCOREBOARDS	16	
17	BACKSTOP NE COURT	20	1			500		1	SCOREBOARDS	18	
19	BACKSTOP MAIN COURT E	20	1	500					BLANK	20	
21	BB-2 (NOTE 1)	50	3		2931	500			MAIN GYM ROLL CURTAIN	22	
23	---	---	---			2931	500	1	SOUND CABINET	24	
25	---	---	---	2931	333			3	SOUND CABINET	26	
27	LEVEL 0 N. AUTO DOOR OPENERS	20	1		1500	333			---	28	
29	LEVEL 0 S. AUTO DOOR OPENERS	20	1			1000	333		---	30	
31	UNKNOWN	20	1	800	180			1	REC: VENDING MACHINES	32	
33	LEVEL 0 W. AUTO DOOR OPENERS	20	1		500	180		1	REC: VENDING MACHINES	34	
35	REC: CONCESSION SIGNAGE	20	1			720	360	1	REC: TRAINING PEL113 - N. WALL	36	
37	REC: WATER COOLER	20	1	180	180			1	REC: VENDING MACHINES	38	
39	CUH-1	15	1		160	180		1	REC: VENDING MACHINES	40	
41	CUH-2	15	1			160	1000	1	FACP PEL-115	42	

PANEL	LOAD AMPS	PHASE A	PHASE B	PHASE C
		9.8 kVA	10.4 kVA	10.2 kVA
		81 A	87 A	85 A

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS
CONTINUOUS	0 VA	125%	0
LIGHTING	0 VA	100%	0
MOTOR	0 VA	0%	0
NON-CONTINUOUS	0 VA	100%	0
RECEPTACLE	21579 VA	73%	15790
LOAD TYPE	0 VA	55%	0

PANEL TOTALS	
CONNECTED LOAD:	30.4 kVA
NEC LOAD:	15.8 kVA
CONNECTED AMPS:	84.3 A
NEC AMPS:	43.8 A

NOTES:

- REMOVE THREE (3) 20A/1P CIRCUIT BREAKERS AND TURNOVER TO OWNER AND REPLACE WITH 50A/3P CIRCUIT BREAKER.

BB-2											
LOCATION: ELEC PEL126				VOLTS: 208/120 Wye				A.I.C. RATING: MATCH EXISTING PANEL BB			
FED FROM: BB				PHASES: 3				MAINS TYPE: LUGS			
MOUNTING: SURFACE				WIRES: 4				RATING: 50A			
CKT#	CIRCUIT DESCRIPTION	AMP	POLE	VA-PHASE A	VA-PHASE B	VA-PHASE C	POLE	AMP	CIRCUIT DESCRIPTION	CKT#	
1	MOTOR: N. BLEACHERS (NOTE 1)	20	3	1274	1274		3	20	MOTOR: S. BLEACHERS (NOTE 1)	2	
3	---	---	---					---	---	4	
5	---	---	---					---	---	6	
7	SPARE	20	1		190			1	20	LTG: BLEACHERS	
9	SPARE	20	1					1	20	SPARE	
11	SPARE	20	1					1	20	SPARE	
13	SPARE	20	1					1	20	SPARE	
15	SPARE	20	1					1	20	SPARE	
17	SPARE	20	1					1	20	SPARE	
19	BLANK	---	---					---	---	20	
21	BLANK	---	---					---	---	22	
23	BLANK	---	---					---	---	24	

PANEL	LOAD AMPS	PHASE A	PHASE B	PHASE C
		2.7 kVA	2.5 kVA	2.5 kVA
		23 A	21 A	21 A

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS
CONTINUOUS	0 VA	125%	0
LIGHTING	190 VA	100%	190
MOTOR	7647 VA	113%	8602
NON-CONTINUOUS	0 VA	100%	0
RECEPTACLE	0 VA	0%	0
LOAD TYPE	0 VA	55%	0

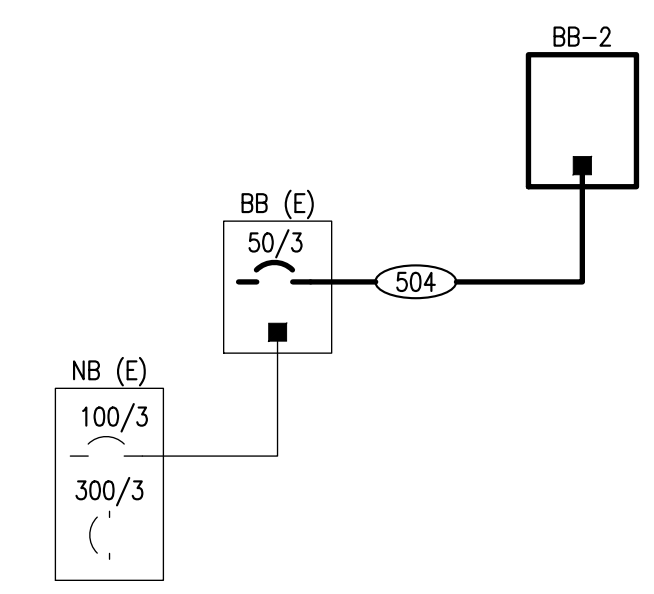
PANEL TOTALS	
CONNECTED LOAD:	7.8 kVA
NEC LOAD:	8.8 kVA
CONNECTED AMPS:	21.8 A
NEC AMPS:	24.4 A

NOTES:

- PROVIDE LOCKABLE MECHANISM FOR CIRCUIT BREAKER CAPABLE OF LOCKING IN THE OFF POSITION.

FEEDER SCHEDULE

504 1" C., 4-#8 AWG + 1-#10 AWG GND



1 PARTIAL POWER ONE-LINE

ME0.01 SCALE: NONE



BDEAHS MAIN GYM FLOOR REPLACEMENT
Anchorage, Alaska
BDS Project No.: 419004.003
ASD Project No.: N90600
100% BID DOCUMENTS
FEBRUARY 7, 2025

LEGEND, ABBREVIATIONS, & SCHEDULES

ME0.01



Anchorage School District

REVISIONS

No Description Date

26 29 00 LOW VOLTAGE CONTROLLERS

- AC FRACTIONAL HORSEPOWER MANUAL STARTERS
 - PROVIDE MANUAL STARTERS FOR FRACTIONAL HORSEPOWER MOTORS CONSISTING OF A MANUALLY OPERATED TOGGLE SWITCH EQUIPPED WITH RED PILOT LIGHT AND MELTING ALLOY TYPE THERMAL OVERLOAD RELAY.
 - THERMAL UNIT SHALL BE ONE PIECE CONSTRUCTION AND INTERCHANGEABLE. STARTER SHALL BE INOPERATIVE IF THERMAL UNIT IS REMOVED.

Notification of Potential Hazards : Asbestos, lead and other potentially hazardous materials are present in the building that may impact the work of all trades. Regulated air contaminants, including asbestos and lead, are also present in settled and concealed dust in and on architectural, structural, mechanical and electrical components or 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.

SPECIFICATIONS

26 00 00 ELECTRICAL GENERAL REQUIREMENTS

- PROVIDE A COMPLETE AND FULLY OPERATIONAL SYSTEM IN ACCORDANCE WITH THESE SPECIFICATIONS.
- PROVIDE MATERIALS, LABOR, SERVICES, TOOLS, APPLIANCES AND APPARATUS NOT SPECIFICALLY MENTIONED IN THE CONTRACT DOCUMENTS, BUT WHICH ARE REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM.
- CONNECT EQUIPMENT AND DEVICES FURNISHED OR INSTALLED BY OTHER TRADES OR FURNISHED BY THE OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF THIS SPECIFICATION.
- PROVIDE LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR COMPLETE, SAFE WORKABLE ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS. COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND APPLICABLE LOCAL, STATE AND NATIONAL CODES AND STANDARDS.
- EMPLOY WORKMEN SKILLED IN THE TRADE AND FAMILIAR WITH TECHNIQUES REQUIRED TO COMPLETE THE WORK IN A NEAT AND WORKMANLIKE MANNER. WORKMANSHIP IS SUBJECT TO APPROVAL BY THE OWNER.
- OBTAIN AND PAY FOR LICENSES, PERMITS AND INSPECTIONS REQUIRED BY LAW, ORDINANCES AND RULES GOVERNING WORK SPECIFIED HEREIN. ARRANGE INSPECTION OF WORK AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION AND GIVE THE INSPECTORS NECESSARY ASSISTANCE TO COMPLETE THEIR INSPECTION.
- USE THE DRAWINGS AS A GUIDE FOR QUANTITY, APPROXIMATE EQUIPMENT LOCATIONS AND DESIGN CRITERIA. COORDINATE WORK WITH OTHER TRADES AND ARCHITECTURAL FEATURES TO PROVIDE SYMMETRICAL APPEARANCE. IMMEDIATELY NOTIFY THE OWNER IN WRITING SHOULD CLARIFICATION BE REQUIRED DUE TO A CONFLICT OF QUANTITY, COORDINATION, LOCATION, ETC. THE OWNER'S DECISION IS FINAL AND BINDING. EXTRA COSTS INVOLVED TO COMPLY WITH THE SPECIFICATIONS AND DRAWINGS CAUSED BY A CONFLICT NOT BROUGHT TO THE ATTENTION OF THE OWNER IMMEDIATELY UPON DISCOVERY SHALL BE BORNE BY THE CONTRACTOR UNLESS EXTRA COST IS APPROVED IN WRITING.
- CONDUCT A SITE VISIT PRIOR TO AWARD OF CONTRACT AND EXAMINE DRAWINGS AND SPECIFICATIONS FOR DISCREPANCIES BETWEEN THIS AND OTHER DIVISIONS OF THE WORK AND EXISTING CONDITIONS. REPORT IN WRITING NO LESS THAN TWO WORK WEEKS PRIOR TO AWARD OF CONTRACT ANY DISCREPANCIES WHICH THE CONTRACTOR BELIEVES ARE CONTRARY TO CODE OR THAT WILL NOT FUNCTION AS SHOWN.
- OBTAIN SUBMITTALS AND SHOP DRAWINGS OF EQUIPMENT WITH ELECTRICAL CONNECTIONS FURNISHED UNDER OTHER DIVISIONS AND/OR BY THE OWNER AND COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDED.
- MATERIALS SHALL BE NEW, FULL WEIGHT AND BEAR THE UL LABEL.
- FURNISH A ONE YEAR GUARANTEE FOR ELECTRICAL MATERIALS AND LABOR. GUARANTEE SHALL COMMENCE AT FINAL PAYMENT. MAKE NECESSARY REPAIRS IN A TIMELY MANNER AT NO COST TO THE OWNER.
- PROVIDE DISRUPTION REQUESTS FOR WORK REQUIRING DISRUPTION TO OWNER. SUBMIT DISRUPTION REQUESTS NOT LESS THAN TWO WEEKS PRIOR TO PROPOSED DISRUPTION. ADHERE TO OWNER POLICIES FOR SERVICE DISRUPTION.
- SUBMITTALS AND SHOP DRAWINGS: PROVIDE SUBMITTALS AND SHOP DRAWINGS WITH ENOUGH TIME TO ALLOW FOR A TWO WEEK REVIEW BY ENGINEER PRIOR TO ORDERING PRODUCT OR BEGINNING WORK AND NO LATER THAN TWO WORKING WEEKS AFTER AWARD OF CONTRACT. PROVIDE SUBMITTALS IN ELECTRONIC (PDF) FORMAT. SUBMIT THE FOLLOWING:
 - PRODUCT INFORMATION:
 - INDICATE EACH PRODUCT AS "BASIS OF DESIGN", "AS SPECIFIED" OR AS "PROPOSED SUBSTITUTION."
 - IDENTIFY CATALOG DESIGNATION AND/OR MODEL NUMBER.
 - NEATLY ANNOTATE EACH SALIENT CHARACTERISTIC AND DESIGN OPTIONS OF THE PRODUCT TO DEMONSTRATE COMPLIANCE WITH THE CONTRACT DOCUMENTS TO INCLUDE: SCHEDULED INFORMATION, DRAWING INFORMATION AND SPECIFIED INFORMATION. CLEARLY INDICATE PRODUCT DEVIATIONS FROM THE CONTRACT DOCUMENTS AND MARK OUT NON-APPLICABLE ITEMS ON CUT-SHEETS.
 - INCLUDE MANUFACTURER PROVIDED DIMENSIONED EQUIPMENT DRAWINGS WITH MECHANICAL AND ELECTRICAL ROUGH-IN CONNECTIONS.
 - INCLUDE OPERATIONAL CHARACTERISTICS, PERFORMANCE CURVES AND RATED CAPACITIES.
 - INCLUDE MOTOR CHARACTERISTICS AND WIRING DIAGRAMS FOR THE SPECIFIC SYSTEM.
 - PROVIDE BASIC MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - O&M MANUAL(S) FOR INSTALLED EQUIPMENT 2 WEEKS PRIOR TO SUBSTITUTIONAL COMPLETION. INFORMATION INCLUDED SHALL BE THE EXACT EQUIPMENT INSTALLED. O&M MANUALS SHALL CONTAIN SUBMITTAL INFORMATION AND INFORMATION NEEDED TO OPERATE AND MAINTAIN SYSTEMS AND EQUIPMENT PROVIDED AND/OR MODIFIED IN THE PROJECT. COORDINATE WITH OWNER FOR MINIMUM REQUIREMENTS.
 - AT PROJECT COMPLETION PROVIDE RECORD DRAWINGS, UPDATED PANEL SCHEDULES, TELECOM CIRCUIT LIST AND OTHER DOCUMENTATION REQUIRED IN CONTRACT DOCUMENTS.
- CONTINUALLY RECORD THE ELECTRICAL INSTALLATION ON A SET OF PRINTS READILY AVAILABLE AT THE PROJECT SITE. MARK RECORD DRAWINGS WITH RED ERASABLE PENCIL. ACCURATELY LOCATE ELECTRICAL DEVICES WITHIN AREA OF WORK (NEW AND EXISTING) WITH DIMENSIONS. SHOW PHYSICAL DEVICE CIRCUITING, INDICATE DEVICE CIRCUITS, JUNCTION BOX LOCATIONS, CONDUITS OVER 1 INCH IN DIAMETER, SYSTEM DEVICES, AND ELECTRICAL APPURTENANCES.

- IDENTIFICATION AND LABELING
 - PROVIDE 3/16 INCH MINIMUM HEIGHT LETTERS ON RECEPTACLE AND LIGHT SWITCH DEVICE PLATES. ENGRAVE BRANCH CIRCUIT DESIGNATION (PANEL AND CIRCUIT NUMBER) ON RECEPTACLE AND LIGHT SWITCH DEVICE PLATES. VERIFY FINAL PANEL DESIGNATIONS WITH CONTRACTING AGENCY PRIOR TO ENGRAVING NAMEPLATES.
 - IN ACCESSIBLE CEILING SPACES AND EXPOSED UNFINISHED AREAS, USE AN INDELIBLE MARKING PEN TO LABEL JUNCTION BOX COVERS WITH CIRCUIT(S) AS FOLLOWS:
 - FED FROM: "PANEL"--"CIRCUIT(S)"
 - "BUILDING" "FLOOR"--"ROOM"
 - IN ACCESSIBLE CEILING SPACES AND EXPOSED UNFINISHED AREAS, USING INDELIBLE MARKING PEN, LABEL CONDUITS 1/2 INCH OR LARGER WITH PANEL AND CIRCUIT NUMBERS OF CONDUCTORS ROUTED THROUGH THE CONDUIT, SIMILAR TO JUNCTION BOX LABELING. LABEL CONDUIT AT 50-FOOT INTERVALS, EXCEPT FOR EMERGENCY POWER SUPPLY SYSTEM CONDUITS, WHICH SHALL BE LABELED AT 25-FOOT INTERVALS PER NEC REQUIREMENTS. ADDITIONALLY, LABEL CONDUITS AT WALL PENETRATIONS (BOTH SIDES) AND CONNECTIONS TO PANELS, JUNCTION BOXES, AND OTHER EQUIPMENT SERVED.
- BASIC MATERIALS AND METHODS
 - APPLY FIRESTOPPING TO ELECTRICAL PENETRATIONS THROUGH FIRE RATED FLOOR AND WALL ASSEMBLIES TO MAINTAIN FIRE RESISTANCE RATING OF ASSEMBLY.
 - WHERE ELECTRICAL RACEWAYS OR OTHER FEATURES PENETRATE WALLS THAT EXTEND TO STRUCTURE, THEY SHALL MAINTAIN THE INTEGRITY OF THE BUILDING SURFACE BEING PENETRATED FOR SOUND ISOLATION BY SEALING WITH FIRESTOPPING. NOTE THAT THIS REQUIREMENT EXISTS REGARDLESS OF WHETHER THE BUILDING SURFACE BEING PENETRATED HAS A FIRE RATING.
 - BOXES (ELECTRICAL BOXES, OUTLET BOXES AND TELECOMMUNICATION BOXES, ETC) PENETRATING WALL TYPES THAT EXTEND TO STRUCTURE OR THAT CONTAIN BATTS SHALL BE SEALED AIRTIGHT USING STI SERIES SSP FIRESTOP PUTTY PADS TO REDUCE SOUND TRANSMISSION. MOLD PUTTY PADS AROUND ELECTRICAL JUNCTION BOXES AND CONDUITS TO FORM AN AIRTIGHT SEAL IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - COMPLY WITH SEISMIC-RESTRAINT REQUIREMENTS OF THE AHJ UNLESS REQUIREMENTS IN THESE CONTRACT DOCUMENTS ARE MORE STRINGENT.
 - MULTIWIRE BRANCH CIRCUITS SHALL NOT BE USED ON THIS PROJECT. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH ITS OWN DEDICATED NEUTRAL CONDUCTOR.

- EXAMINATION
 - DRAWINGS INVOLVING EXISTING CONDITIONS ARE BASED ON BUILDING RECORD DRAWINGS AND/OR LIMITED FIELD OBSERVATION. CONDUCT A SITE INSPECTION PRIOR TO SUBMISSION OF BID TO BECOME THOROUGHLY FAMILIARIZED WITH THE SCOPE OF WORK. REPORT DISCREPANCIES TO THE OWNER BEFORE DISTURBING EXISTING INSTALLATION. VERIFY FIELD MEASUREMENTS AND CIRCUITING ARRANGEMENTS. VERIFY THAT ABANDONED WIRING AND EQUIPMENT SERVE ONLY ABANDONED FACILITIES. BEGINNING OF DEMOLITION IMPLIES CONTRACTOR ACCEPTS EXISTING CONDITIONS.
- DEMOLITION OF EXISTING ELECTRICAL WORK
 - REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.
 - REMOVE ABANDONED, EXPOSED OR UNUSED WIRING, CONDUIT AND HARDWARE TO SOURCE OF SUPPLY. REMOVE EXPOSED AND ACCESSIBLE CONDUIT TO THE POINT WHERE IT BECOMES INACCESSIBLE. CONCEALED CONDUIT WHICH CAN NOT BE REMOVED WITHIN REASON SHALL BE CUT FLUSH AND SURFACE PATCHED AND/OR SEALED AS APPLICABLE.
 - DISCONNECT AND REMOVE ABANDONED DEVICES WITH ASSOCIATED CONDUIT, WIRE AND HARDWARE AS IDENTIFIED ON DRAWINGS. NOTIFY ENGINEER OF ANY DEVICES NOT SHOWN ON DRAWINGS THAT ARE WITHIN AREA OF WORK. DISCONNECT AND REMOVE ABANDONED PANELBOARDS AND DISTRIBUTION EQUIPMENT. REWORK CONDUIT, WIRE AND HARDWARE AS NEEDED TO ACCOMMODATE REMOVAL.
 - REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.
 - MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANELS AS APPROPRIATE.
 - RESTORE CIRCUITS AND SYSTEMS THAT REMAIN THAT ARE AFFECTED IN ANY WAY BY DEMOLITION WORK SUCH AS LOADS DOWNSTREAM OF DEMOLISHED EQUIPMENT, SWITCHED LIGHTING CIRCUITS WHERE SELECTED LIGHT FIXTURES ARE DEMOLISHED, ETC.
 - PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS.
 - MAINTAIN EXISTING SYSTEMS IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR SERVICE. DISABLE SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. PROVIDE DISRUPTION REQUEST AND COORDINATE WITH THE OWNER PRIOR TO DISABLING SYSTEM. CONTRACTOR SHALL NOT BE ENTITLED TO ADDITIONAL COMPENSATION DUE TO INABILITY OF THE OWNER TO GRANT AN OUTAGE AT THE DESIRED TIME. MINIMIZE OUTAGE DURATION. MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA.
 - CLEANING AND REPAIR
 - CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH REMAIN OR ARE TO BE REUSED OR ARE AFFECTED BY THIS WORK.
 - PANELBOARDS: CLEAN EXPOSED SURFACES AND INTERIOR OF CABINET. PROVIDE NEATLY TYPED, FULLY DETAILED BRANCH CIRCUIT DIRECTORY IN PANELS WITH UPDATED LOADS. ODD CIRCUITS ON LEFT, EVEN ON RIGHT.

26 05 19 LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

- BRANCH CIRCUIT WIRING SHALL BE 600 VOLT INSULATED AND SHALL HAVE THE FOLLOWING INSULATION TYPES:
 - HEATED INDOOR SPACES – THHN/THWN OR XHHW
- CONDUCTORS SHALL BE COPPER, SOLID OR STRANDED FOR WIRING #10 OR SMALLER, STRANDED FOR #8 OR LARGER.
- MINIMUM CONDUCTOR SIZE AS FOLLOWS:
 - #12 AWG FOR BRANCH CIRCUITS.
- PROVIDE PROPERLY SIZED AND BONDED GROUNDING CONDUCTORS WITH POWER CIRCUITS.
- BRANCH CIRCUIT CONDUCTORS SHOWN ON THE DRAWINGS ARE SIZED FOR AMPACITY ONLY UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL INCREASE FEEDER SIZES IF REQUIRED TO PREVENT FEEDER VOLTAGE DROP FROM EXCEEDING 3%. VOLTAGE DROP AT OUTLETS SHALL NOT EXCEED 5%.

26 05 26 GROUNDING AND BONDING OF ELECTRICAL SYSTEMS

- GROUNDING CONDUCTORS, GROUND RODS, AND EQUIPMENT REQUIRED FOR GROUND SYSTEMS SHALL BE LISTED FOR THE PURPOSE INTENDED AND APPROVED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL), AND BE IN ACCORDANCE WITH U.L. 467.
- GROUNDING CONDUCTORS SHALL BE COPPER.
- CLAMPS, LUGS, CONNECTORS, BONDING BUSHINGS, AND OTHER SUCH GROUNDING DEVICES SHALL BE MADE (BOTH BODY AND HARDWARE) OF HOT DIP GALVANIZED STEEL, BRONZE, OR OTHER CORROSION RESISTANT ALLOY (EXCEPT BUSHING THROATS SHALL BE PLASTIC).
- THE RACEWAY SYSTEM SHALL BE BONDED IN CONFORMITY WITH NEC REQUIREMENTS TO PROVIDE A CONTINUOUS GROUND PATH.
- PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR SIZED IN CONFORMITY WITH TABLE 250.122 OF THE NEC FOR FEEDER AND BRANCH CIRCUITS.
- PERMANENT GROUNDING CONNECTIONS, WHERE PERMITTED BY THE NEC TO BE CONCEALED, SHALL NOT BE SO CONCEALED UNTIL INSPECTED AND ACCEPTED BY THE CONTRACTING AGENCY.
- CORDS AND NONMETALLIC CABLES SHALL BE FURNISHED WITH INTEGRAL CODE-SIZED GROUNDING CONDUCTOR.
- EXTERNAL BONDING JUMPERS ARE NOT PERMITTED; BONDING JUMPERS SHALL BE RUN INSIDE THE RACEWAYS FOR THE CIRCUITS THEY SERVE.

26 05 29 HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS

- PRE-ENGINEERED SUPPORT SYSTEMS MATERIAL SHALL BE COLD WORKED STEEL. PROVIDE TYPE 304 STAINLESS STEEL FOR USE WITH PVC, LIQUID-TIGHT FLEX, OR PLASTIC-COATED CONDUIT INSTALLED ON WOOD CONSTRUCTION IN OUTDOOR, DAMP, CORROSIVE OR MARINE ENVIRONMENTS.
- FINISH FOR PRE-ENGINEERED SUPPORT SYSTEMS AS FOLLOWS:
 - HEATED INDOOR AREAS: PRE-GALVANIZED ZINC COATING.
 - PAINTED AREAS: PAINTABLE GALVANIZING OR PHOSPHATIZED AND PRIMED.
- PROVIDE ACCESSORIES FROM THE SUPPORT SYSTEM MANUFACTURER DESIGNED FOR THE SPECIFIC EQUIPMENT TO BE SUPPORTED TO INCLUDE BUT NOT LIMITED TO: LIGHT FIXTURE HANGERS, OUTLET BOX ADAPTERS, SNAP-IN CLOSURES, CONDUIT CONNECTION PLATES, JUNCTION BOX ADAPTERS AND STRUT JOINERS.

26 05 33 RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS

- CONDUIT TYPES SPECIFICALLY APPROVED FOR USE ON THIS PROJECT SHALL BE OF THE TYPES LISTED HEREIN OR OTHER TYPES SPECIFICALLY IDENTIFIED ON THE DRAWINGS.
- INTERMEDIATE METAL CONDUIT – IMC.
 - LOCATIONS PERMITTED: DRY INDOOR LOCATIONS CONCEALED OR EXPOSED, WHERE NOT SUSCEPTIBLE TO PHYSICAL DAMAGE.
 - MINIMUM SIZE: 3/4 INCH.
 - FITTINGS SHALL BE GALVANIZED STEEL OR IRON AND SHALL BE THREADED. CONDUIT BUSHINGS SHALL BE PROVIDED AND SHALL BE OF THE INSULATED TYPES. WHERE GROUNDING BUSHINGS ARE REQUIRED, PROVIDE INSULATED GROUNDING BUSHINGS WITH INTEGRAL PRESSURE TYPE GROUND LUGS.
- ELECTRICAL METALLIC TUBING – EMT
 - LOCATIONS PERMITTED: DRY INDOOR LOCATIONS CONCEALED OR EXPOSED, WHERE NOT SUSCEPTIBLE TO PHYSICAL DAMAGE.

- MINIMUM SIZE: 1/2 INCH.
- COUPLINGS AND CONNECTORS SHALL BE MADE OF STEEL OR MALLEABLE IRON. DIE-CAST PRODUCTS SHALL NOT BE USED. CONNECTORS SHALL HAVE INSULATED THROATS. CONNECTORS AND COUPLINGS SHALL BE SETSCREW OR COMPRESSION TYPE.
- FLEXIBLE METAL (STEEL) CONDUIT – FMC OR FLEX.
 - LOCATIONS PERMITTED: MOTOR AND EQUIPMENT FLEXIBLE CONNECTIONS WHERE INSTALLED IN PLENUM SPACES
 - MINIMUM SIZE: 1/2 INCH, EXCEPT FIXTURE WHIPS MAY BE 3/8 INCH AS ALLOWED BY THE NEC.
 - LENGTH OF FMC FOR CONNECTION TO EQUIPMENT SHALL NOT EXCEED 36 INCHES, EXCEPT FOR LIGHTING FIXTURE WHIPS AND WHERE SPECIFICALLY NOTED. FIXTURE WHIPS SHALL NOT EXCEED 72 INCHES.
 - FITTINGS SHALL BE STEEL OR MALLEABLE IRON. THROATS SHALL BE INSULATED.
- LIQUID-TIGHT FLEXIBLE STEEL CONDUIT – LFMC.
 - LOCATIONS PERMITTED: MOTOR AND EQUIPMENT FLEXIBLE CONNECTIONS
 - MINIMUM SIZE: 1/2 INCH, EXCEPT FIXTURE WHIPS MAY BE 3/8 INCH AS ALLOWED BY THE NEC.
 - LENGTH OF LFMC FOR CONNECTION TO EQUIPMENT SHALL NOT EXCEED 36 INCHES, EXCEPT FOR LIGHTING FIXTURE WHIPS AND WHERE SPECIFICALLY NOTED. FIXTURE WHIPS SHALL NOT EXCEED 72 INCHES.
 - FITTINGS SHALL BE STEEL OR MALLEABLE IRON AND SHALL INCORPORATE A THREADED GROUNDING CONE, NYLON OR PLASTIC COMPRESSION RING, AND A TIGHTENING GLAND, PROVIDING A LOW RESISTANCE GROUND CONNECTION. THROATS SHALL BE INSULATED.
- CAST BOXES WITH THREADED HUBS, EXTERNAL MOUNTING BRACKETS OR HOLES, AND GASKETED COVERS SHALL BE USED IN THE FOLLOWING LOCATIONS:
 - EXTERIOR LOCATIONS.
 - WET OR DAMP LOCATIONS.
 - WHERE EXPOSED TO DAMAGE.
- CALVANIZED PRESSED STEEL BOXES MAY BE USED WHEREVER THEY ARE PERMITTED BY CODE. EXCEPT IN AREAS INDICATED IN THE PRECEDING PARAGRAPH, FLUSH MOUNTED, PRESSED STEEL BOXES SHALL BE EQUIPPED WITH EXTERNAL MOUNTING BRACKETS FOR ATTACHMENT TO FRAMING MEMBERS WITH SCREWS OR NAILS.
- IN OCCUPIED AREAS, CONDUIT AND RACEWAYS SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE. IN SERVICE SPACES (MECHANICAL EQUIPMENT ROOMS, ELECTRICAL ROOMS, STORAGE CLOSETS, ETC.), RACEWAYS MAY BE SURFACE MOUNTED FOR CONNECTION TO EQUIPMENT.
- WHERE SPECIFICALLY NOTED ON THE DRAWINGS, RACEWAYS MAY BE MOUNTED ON THE SURFACE OF WALLS AND CEILINGS IN OCCUPIED AREAS. EXPOSED RACEWAYS SHALL BE PAINTED TO MATCH THE SURROUNDING SURFACES.
- PROVIDE FLEXIBLE CONDUIT CONNECTION AT SEISMIC JOINTS TO ALLOW FOR DISPLACEMENT OF CONDUIT IN ALL THREE AXES. PROVIDE APPROPRIATE LENGTHS OF FLEXIBLE CONDUITS AT SEISMIC JOINTS AND APPROPRIATE AMOUNTS OF SLACK IN CONDUIT TO ALLOW MOVEMENT OF CONDUIT/CABLING IN ACCORDANCE WITH THE DESIGN OF THE SEISMIC JOINT.

26 24 16 PANELBOARDS

- THE BASIS OF DESIGN IS EQUIPMENT FROM SIEMENS TO SET A STANDARD FOR QUALITY. EQUIPMENT FROM CUTLER-HAMMER, SQUARE D, GENERAL ELECTRIC, OR ALTERNATIVE SYSTEMS WILL BE CONSIDERED PROVIDING THAT SUFFICIENT DOCUMENTATION IS PROVIDED TO SATISFY THE CONTRACTING AGENCY THAT THE EQUIPMENT MEETS THE REQUIREMENTS OF THE SPECIFICATIONS AND MATCHES THE BASIS OF DESIGN ON ALL POINTS WHICH ARE PERTINENT TO THE PROJECT.
- PANELBOARD ASSEMBLY SHALL BE ENCLOSED IN A STEEL CABINET. FRONTS SHALL INCLUDE LOCKABLE DOORS. PANELBOARD LOCKS SHALL BE KEYPED ALIKE. FRONTS SHALL HAVE ADJUSTABLE, INDICATING TRIM CLAMPS THAT SHALL BE COMPLETELY CONCEALED WHEN THE DOORS ARE CLOSED. FRONTS SHALL NOT BE REMOVABLE WITH DOOR IN THE LOCKED POSITION. A CIRCUIT DIRECTORY FRAME AND CARD WITH A CLEAR PLASTIC COVERING SHALL BE PROVIDED ON THE INSIDE OF THE DOOR. THE DIRECTORY SHALL BE TYPED TO IDENTIFY THE LOAD FED BY EACH CIRCUIT.
- THE PANELBOARD INTERIOR ASSEMBLY SHALL BE DEAD FRONT WITH PANELBOARD FRONT REMOVED.
- PANELBOARD BUS STRUCTURE AND MAIN LUGS SHALL HAVE CURRENT RATINGS AS SHOWN ON THE PANELBOARD SCHEDULE. BUS STRUCTURE SHALL ALLOW 1, 2 AND/OR 3 POLE BREAKERS OF VARIOUS FRAME SIZES TO BE MOUNTED IN ANY LOCATION AND IN ANY COMBINATION UP TO THE CAPABILITY OF THE PANEL.
- EACH PANELBOARD, AS A COMPLETE UNIT, SHALL HAVE A SHORT CIRCUIT CURRENT RATING (SCCR) AS LISTED IN THE DRAWINGS. IF SCCR IS NOT OTHERWISE INDICATED, PANELS SHALL BE RATED EQUAL TO OR GREATER THAN 10,000 AMPS AT 240 VOLTS, AND 14,000 AMPS AT 480 VOLTS.
- PANELBOARD SHALL BE EQUIPPED WITH AN INSULATED NEUTRAL TERMINAL BAR.
- PANELBOARD SHALL BE EQUIPPED WITH AN EQUIPMENT GROUNDING TERMINAL BAR TO TERMINATE EQUIPMENT GROUNDING CONDUCTORS.

26 27 26 WIRING DEVICES

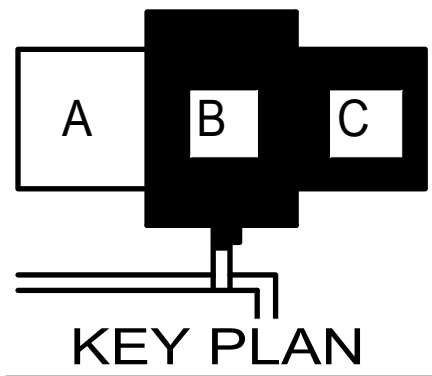
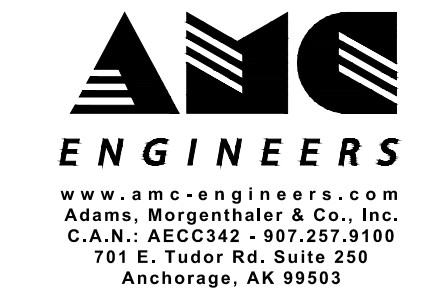
- COLOR OF RECEPTACLES AND SWITCHES SHALL MATCH EXISTING WIRING DEVICES IN AREA OF WORK.
- DEVICE PLATES SHALL BE SATIN FINISHED 302 STAINLESS STEEL.
- THE CATALOG NUMBERS LISTED BELOW ARE THE BASIS OF DESIGN. EQUAL DEVICES MANUFACTURED BY ARROW HART, PASS AND SEYMOUR, LEVITON AND BRYANT ARE ACCEPTABLE.
 - NEMA 5-20, 20A, 125V: HUBBELL WIRING PART NUMBER HBL5362
 - NEMA 5-20, 20A, 125V GFCI: HUBBELL WIRING PART NUMBER GF20
 - NEMA 5-20, 20A, 125V TAMPER RESISTANT: HUBBELL WIRING PART NUMBER HBL5362TR
 - NEMA 5-20, 20A, 125V TAMPER RESISTANT GFCI: HUBBELL WIRING PART NUMBER GF5362SG

26 28 00 LOW-VOLTAGE CIRCUIT PROTECTIVE DEVICES

- MOLDED CASE CIRCUIT BREAKERS
 - WHERE INSTALLED IN AN EXISTING PANELBOARD, CIRCUIT BREAKER SHALL BE OF THE SAME MANUFACTURER AS PANELBOARD AND LISTED FOR USE IN EXISTING PANELBOARD.
 - CIRCUIT BREAKERS SHALL HAVE A PERMANENT TRIP UNIT CONTAINING INDIVIDUAL THERMAL AND MAGNETIC TRIP ELEMENTS IN EACH POLE.
 - AMPERAGE INTERRUPT RATING SHALL BE EQUAL TO OR GREATER THAN THE SHORT CIRCUIT CURRENT RATING OF THE PANEL AND CLEARLY POSTED WITHOUT REMOVAL OF PANEL COVER. SERIES RATING SHALL BE ALLOWED ONLY BY APPROVAL OF ENGINEER OR AS INDICATED IN CONTRACT DOCUMENTS.
 - RATINGS SHALL BE AS SHOWN ON PANEL SCHEDULES AND/OR DRAWINGS.
 - EQUIPMENT PROTECTION DEVICE BREAKER TYPE (EPD) SHALL BE 30mA TRIP.

26 28 16 ENCLOSED SWITCHES AND CIRCUIT BREAKERS

- SAFETY SWITCHES
 - SAFETY SWITCHES, FUSIBLE AND NON-FUSIBLE, SHALL CONFORM TO NEMA STANDARD KS1 FOR TYPE HD (HEAVY DUTY) UNLESS OTHERWISE NOTED.
 - SWITCH INTERIOR: SWITCHES SHALL HAVE SWITCH BLADES THAT ARE FULLY VISIBLE IN THE OFF POSITION WHEN THE DOOR IS OPEN. SWITCHES SHALL BE OF DEAD FRONT CONSTRUCTION WITH PERMANENTLY ATTACHED ARC SUPPRESSERS. LUGS SHALL BE UL LISTED FOR COPPER AND/OR ALUMINUM CABLES AND BE FRONT REMOVABLE.



KEY PLAN



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BDEAHS MAIN GYM FLOOR REPLACEMENT

Anchorage, Alaska

BDS Project No.: 419004.003
ASD Project No.: 830720

100% BID DOCUMENTS

FEBRUARY 7, 2025
SPECIFICATIONS

ME0.02

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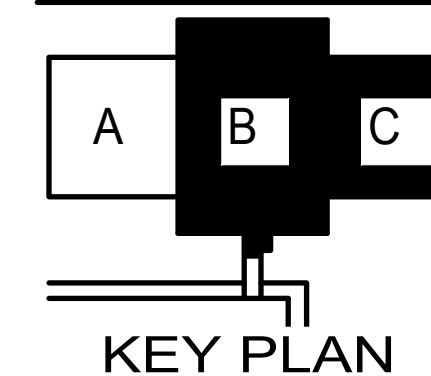
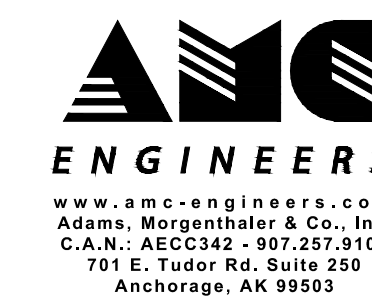
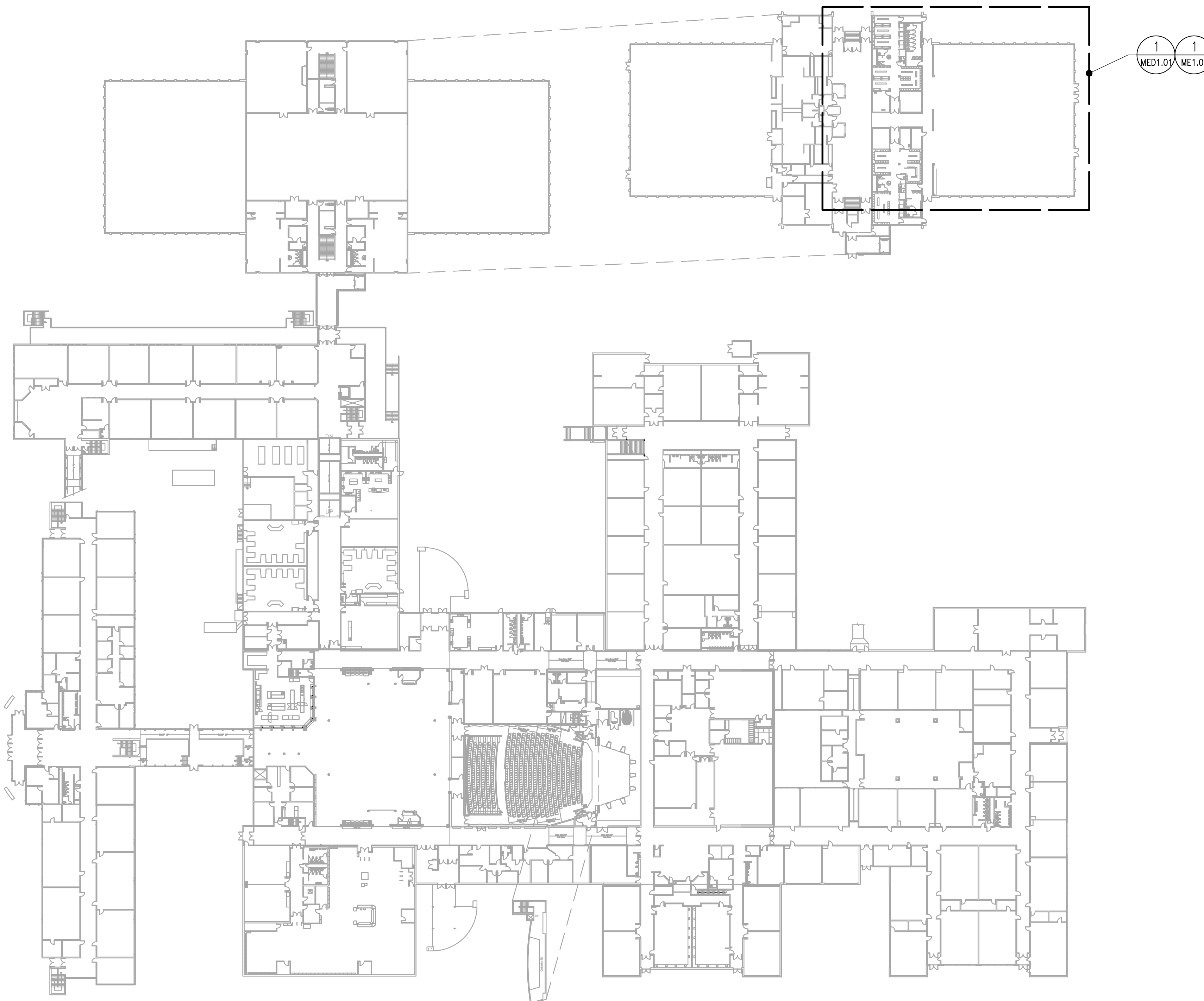
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Anchorage School District

REVISIONS

No Description Date



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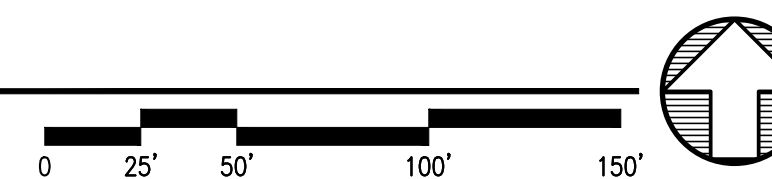
BDEAHS MAIN GYM FLOOR REPLACEMENT

Anchorage, Alaska
BDS Project No.: 419004.003
ASD Project No.: 830720

100% BID DOCUMENTS
FEBRUARY 7, 2025
OVERALL PLANS

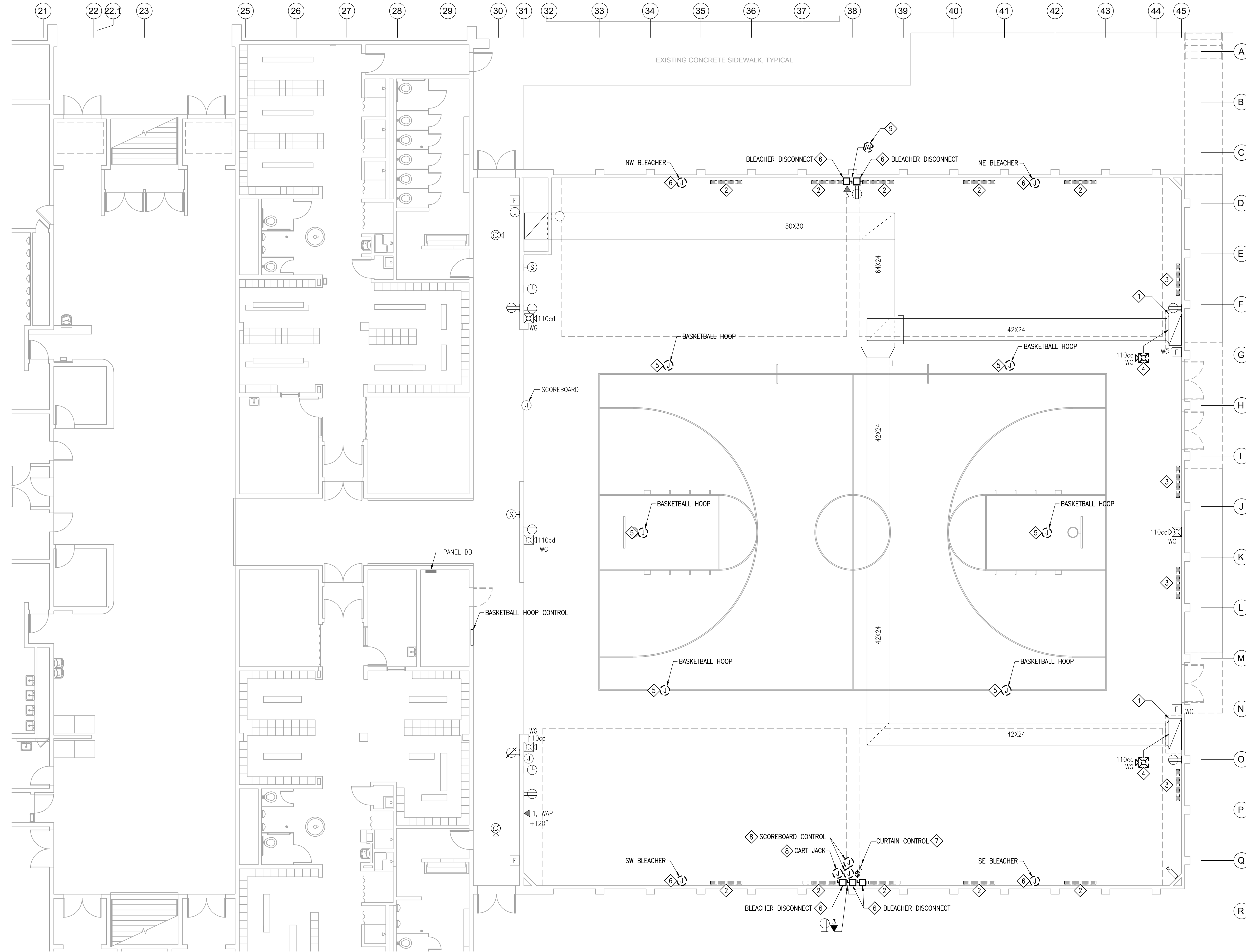
ME0.03

1 OVERALL PLAN
ME0.03 SCALE: 1" = 50'



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 potentially hazardous materials are present in the building that may impact the work of all trades. Regulated air contaminants, including asbestos and lead, are also present in settled and concealed dust in and on architectural, structural, mechanical and electrical components or 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. CIRCUIT INFORMATION AND DEVICE LOCATIONS ARE BASED ON AVAILABLE RECORD DRAWINGS AND LIMITED FIELD OBSERVATION - FIELD VERIFY EXISTING CONDITIONS BEFORE BEGINNING WORK.

DEMOLITION NOTES

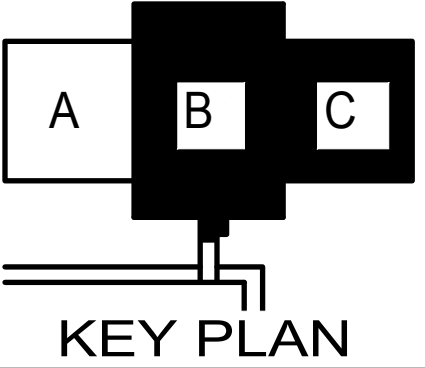
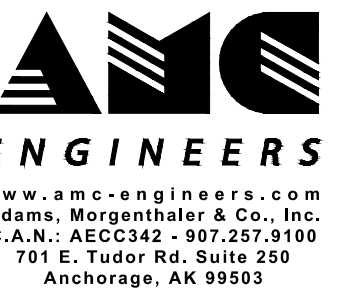
1. EXISTING FRAMED CONSTRUCTION ARCHITECTURAL R/A DUCT IS APPROXIMATELY 72 INCHES WIDE, STICKS OUT FROM THE WALL APPROXIMATELY 36 INCHES, AND TERMINATES APPROXIMATELY 7 FEET AFF. REMOVE WIRE MESH DUCT TERMINATION AND DUCT SMOKE DETECTOR. DEMOLISH THE BOTTOM 3 FEET OF R/A DUCT. PREPARE REMAINING DUCT CONSTRUCTION FOR NEW WORK.
2. DEMOLISH 60 x 6 FLOOR R/A GRILLE AND ASSOCIATED DUCTWORK TO BELOW TOP OF SLAB. COORDINATE WITH SLAB PATCHING AND FLOOR FINISH REQUIREMENTS. FIELD VERIFY DIMENSIONS AND LOCATION.
3. DEMOLISH 84 x 6 FLOOR R/A GRILLE AND ASSOCIATED DUCTWORK TO BELOW TOP OF SLAB. COORDINATE WITH SLAB PATCHING AND FLOOR FINISH REQUIREMENTS. FIELD VERIFY DIMENSIONS AND LOCATION.
4. DISCONNECT AND REMOVE FA DEVICE AND RETAIN DEVICE FOR RELOCATION IN ACCORDANCE WITH 1/ME1.01.
5. ADD ALT #3: DISCONNECT AND REMOVE BASKETBALL HOOP. RETAIN CIRCUIT FOR REUSE IN ACCORDANCE WITH 1/ME1.01.
6. DEMOLISH ELECTRICAL CONNECTION TO BLEACHER MOTORS & LIGHTING, INCLUDING CONDUIT, CONDUCTORS, AND DISCONNECTS BACK TO OVERCURRENT PROTECTIVE DEVICE AND MAKE SAFE.
7. ADD ALT #2: DEMOLISH ELECTRICAL CONNECTION TO DIVIDER CURTAIN INCLUDING CONDUIT AND CONDUCTORS BACK TO OVERCURRENT PROTECTIVE DEVICE AND MAKE SAFE.
8. DISCONNECT AND REMOVE SCOREBOARD CONTROLLERS AND CART JACK DEVICES AND RETAIN FOR REINSTALLATION IN ACCORDANCE WITH DRAWING 1/ME1.01.
9. DISCONNECT AND REMOVE WIRELESS ACCESS POINT AND RETAIN FOR REINSTALLATION IN ACCORDANCE WITH DRAWING 1/ME1.01.



Anchorage School District

REVISIONS

No Description Date



24502



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Anchorage, Alaska

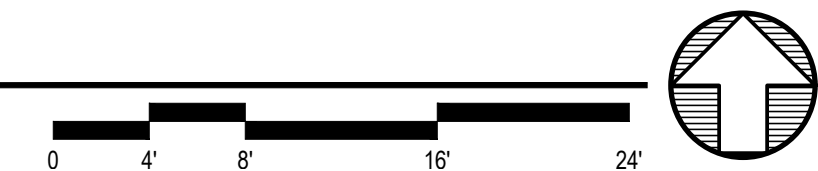
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FEBRUARY 7, 2025
LEVEL 0 PLAN - MECHANICAL & ELECTRICAL - DEMOLITION

MED1.01

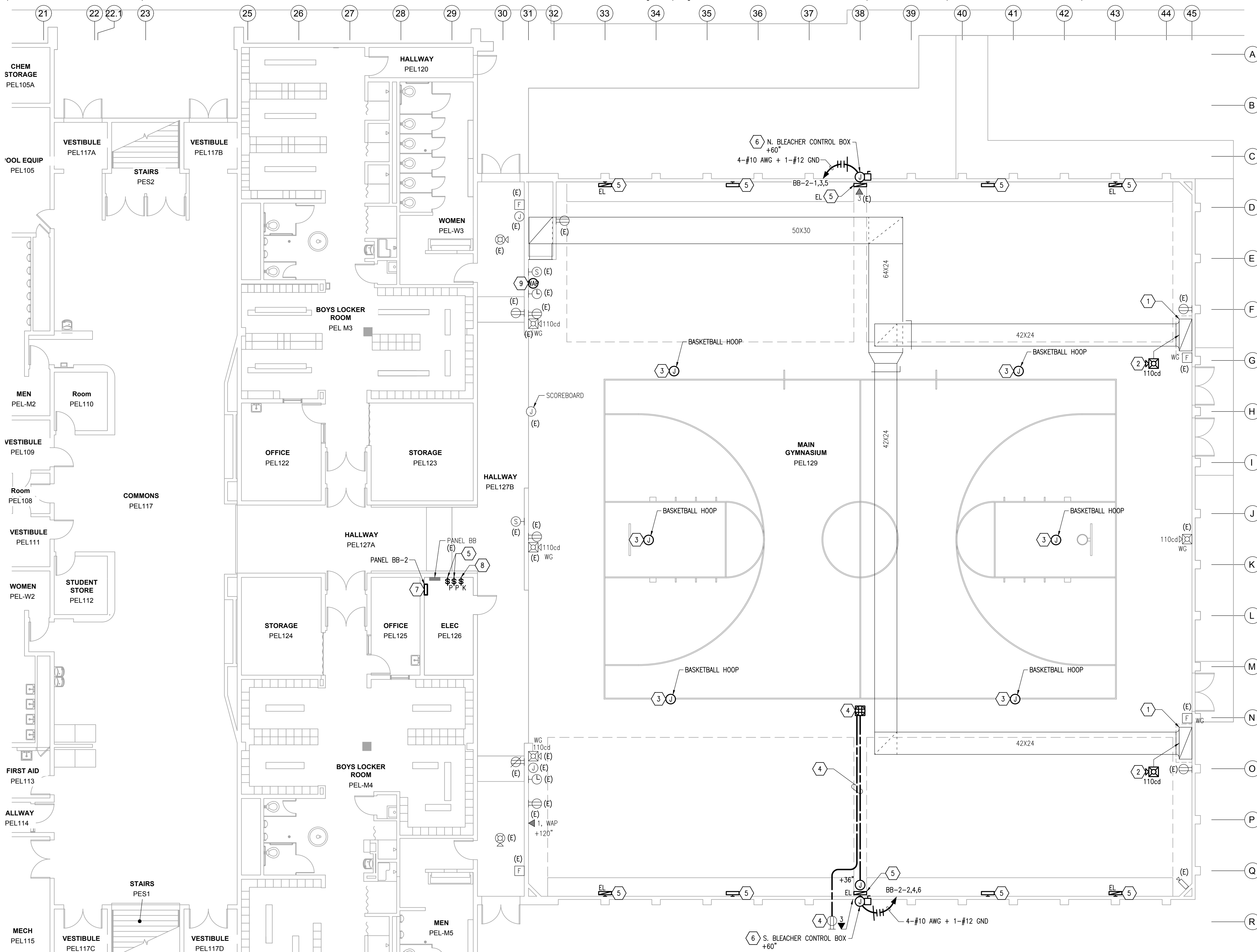
1 LEVEL 0 PLAN - MECHANICAL & ELECTRICAL - DEMOLITION

MED1.01 SCALE: 1/8" = 1'-0"



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GENERAL NOTES

1. CIRCUIT INFORMATION AND DEVICE LOCATIONS ARE BASED ON AVAILABLE RECORD DRAWINGS AND LIMITED FIELD OBSERVATION - FIELD VERIFY EXISTING CONDITIONS BEFORE BEGINNING WORK.

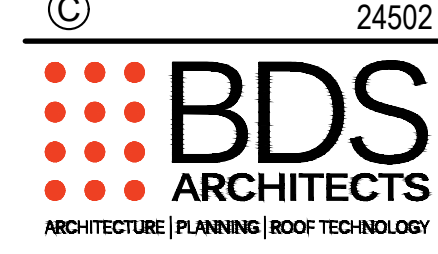
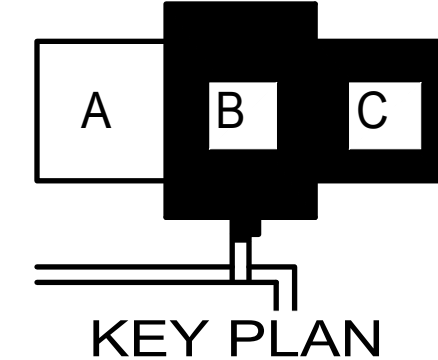
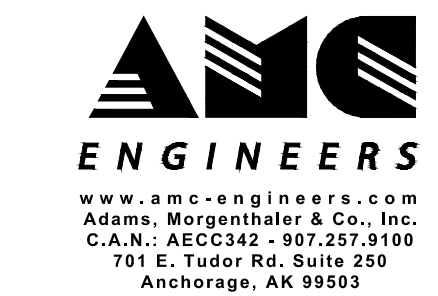
SHEET NOTES

1. REMAINING PORTION OF ARCHITECTURAL R/A DUCT SHALL BE TERMINATED BY FINISHING THE BOTTOM EDGES. REINSTALLING THE WIRE MESH DUCT TERMINATION AND DUCT SMOKE DETECTOR. END RESULT IS TO MATCH THE EXISTING INSTALLATION, ONLY WITH THE BOTTOM OPENING OF THE DUCT 3 FEET HIGHER. COORDINATE WALL AND DUCT FINISHES TO MATCH EXISTING.
2. REINSTALL FA DEVICE RETAINED DURING DEMOLITION PHASE. MATCH LOCATION ON REWORKED DUCT AS WAS EXISTING, ONLY 3 FEET HIGHER TO MATCH NEW DUCT HEIGHT.
3. ADD ALT #3: CONNECT BASKETBALL HOOP TO CIRCUIT RETAINED DURING DEMOLITION PHASE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. PROVIDE FLOOR BOX RECESSED IN CONCRETE SLAB SUCH THAT COVER IS FLUSH WITH GYM FLOOR AT APPROXIMATE LOCATION INDICATED IN GYM FLOOR CUTOUT. WIREMOLD EVOLUTION SERIES OR APPROVED EQUAL WITH SEPARATION FOR POWER AND DATA. SIX (6) GANG MINIMUM. PROVIDE WITH BRASS COVER PLATE. PROVIDE SINGLE-GANG DUPLEX POWER RECEPTACLE. EXTEND SCOREBOARD CONTROLLER & CART JACK CABLING AND/OR CIRCUITING TO FLOOR BOX AND REINSTALL RETAINED DEVICES IN THREE (3) SEPARATE GANG BOXES. PROVIDE NEW CABLING & CONDUCTORS AS NECESSARY FOR A COMPLETE INSTALLATION. EXTEND RECEPTACLE CIRCUIT IN CONCRETE SLAB FROM SOUTH WALL AND CONNECT TO DUPLEX RECEPTACLE IN FLOOR BOX. PROVIDE 1-1/2" CONDUIT IN CONCRETE SLAB FROM FLOOR BOX STUBBED INTO JUNCTION BOX MOUNTED 3'-0" AFF ON SOUTH WALL FOR ROUTING OF TELECOM/AV CABLING. CONDUIT ROUTING SHOWN IS DIAGRAMMATIC, FIELD VERIFY ROUTING BEFORE INSTALLATION.
5. PROVIDE WALL MOUNTED FIXTURE AT LOCATION INDICATED, MOUNTED AT 6'-0" AFF. CATALOG #: LITHONIA ZL1N-L24-SMR-2500LM-FST-MVOLT-40K-80CRI-WH. PROVIDE E7W BATTERY PACK FOR 'EL' FIXTURES. CONNECT TO LOCAL LIGHTING CIRCUIT. PROVIDE TWO (2) PILOT LIGHT SWITCHES IN ELEC PEL 126 AND CONNECT TO FIXTURES FOR INDEPENDENT CONTROL OF NORTH AND SOUTH BLEACHER LIGHTING. LABEL PILOT SWITCHES "SOUTH BLEACHER MAINTENANCE LIGHTING" & "NORTH BLEACHER MAINTENANCE LIGHTING" ACCORDINGLY.
6. PROVIDE ELECTRICAL CONNECTION TO NORTH AND SOUTH BLEACHERS CONTROL BOX PROVIDED BY OTHERS. VOLTAGE DROP NOT TO EXCEED 4%. ADJUST BRANCH CIRCUIT CONDUCTOR SIZES AS NECESSARY TO ACCOMMODATE EXACT ROUTING OF ELECTRICAL FEED. FIELD VERIFY EXACT LOCATION WITH MANUFACTURER INSTALLATION REQUIREMENTS. COORDINATE ADDITIONAL ELECTRICAL REQUIREMENTS WITH BLEACHER MANUFACTURER.
7. PROVIDE 50A, 208Y/120V, 4W 24 SPACE PANELBOARD IN ACCORDANCE WITH PARTIAL POWER ONE-LINE ON SHEET ME0.01. BASIS OF DESIGN: SIEMENS P1 PANELBOARD.
8. ADD ALT #2: PROVIDE ELECTRICAL CONNECTION TO NEW DIVIDER CURTAIN IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE KEYED SWITCH FOR MANUAL OPERATION OF DIVIDER CURTAIN. COORDINATE FINAL LOCATION OF KEY SWITCH WITH OWNER.
9. REINSTALL WIRELESS ACCESS POINT MOUNTED TO WALL AT LOCATION SHOWN. COORDINATE LOCATION AND HEIGHT WITH IT SERVICES.



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ME1.01

1 LEVEL 0 PLAN - MECHANICAL & ELECTRICAL - NEW
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